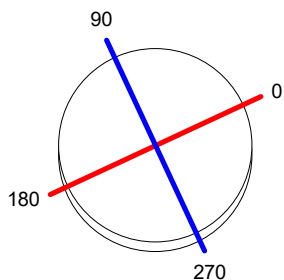


<b>Luminaire</b>			<b>Measurem.</b>			<b>Lamp</b>	
Code	TRL-20250047		Code	TRL-20250047		Code	Led
Name	SPOT medio GX53 lente Fresnel		Name	SPOT medio GX53 lente Fresnel		Number	1
Line	Eulumdat		Date	11-02-2025		Position	
Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical
Round Luminaire		Diam.	157 mm	Height	70 mm		
Round Luminous Area		Diam.	150 mm	Height	0 mm		
Horizontal Luminous Area		0.017671 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.004275 m2	
Coordinate system		CG		Symmetry Type		Asymmetrical	
Date		11-02-2025		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		649.65 lm	
Operator		Palazzoli S.p.A. - Mirco Scebba		Source voltage			
Temperature		25.00 °C		Source current			
Humidity		60.00 %		Photocell			
Notes							
<b>Luminaire Lamps</b>							
Line		Code	Name	Flux [lm]	Pow. [W]	Q.ty	
		Led	Led - 7.83 W	649.65	7.83	1	
C.I.E.	69 94 98 100 100		D DIN 5040	A50			
F UTE	1.00 C		B NBN	BZ 2			

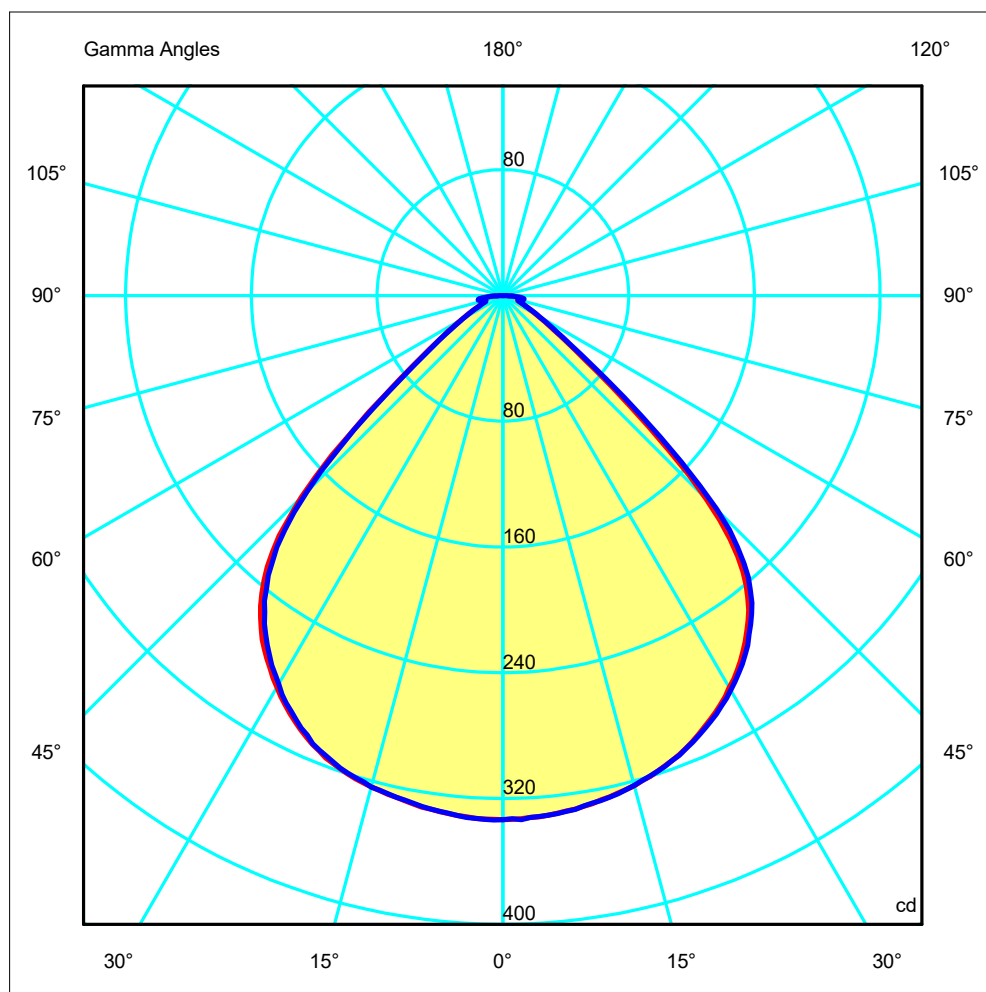
Diam=157mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0

ULOR 0.03 %  
DLOR 99.98 %  
RN 0.03 %



Luminaire				Measurem.				Lamp	
Code	TRL-20250047			Code	TRL-20250047			Code	Led
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1
Line	Eulumdat			Date	11-02-2025			Position	

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
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Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG Asymmetrical	
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	Luminous Intensity Table cd												Table 1/18
	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 0.0	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34
G 1.0	333.24	333.24	332.99	333.38	333.22	333.32	333.25	333.12	333.29	333.08	333.42	333.28	333.40
G 2.0	333.06	332.97	332.86	333.43	333.44	333.07	333.35	332.85	333.28	332.78	333.62	333.40	333.19
G 3.0	332.37	332.65	332.51	333.20	332.91	332.69	333.20	332.52	332.95	332.47	333.04	332.99	332.79
G 4.0	332.38	332.47	332.10	332.95	332.55	332.36	332.76	331.96	332.32	331.69	332.87	332.45	332.37
G 5.0	331.73	331.85	331.61	332.79	332.01	331.96	332.44	331.71	331.81	330.87	332.33	331.72	331.89
G 6.0	331.06	331.50	331.11	331.94	331.39	331.31	331.67	330.90	331.35	330.94	331.77	331.43	331.48
G 7.0	330.35	330.43	330.52	331.06	330.53	330.75	331.03	330.33	330.70	330.42	330.79	330.55	330.92
G 8.0	329.81	329.59	329.69	329.82	329.68	329.67	330.51	329.42	329.98	329.54	330.09	329.93	329.92
G 9.0	328.90	328.80	328.86	329.40	329.23	328.66	329.49	328.62	329.19	329.02	329.26	329.11	329.05
G 10.0	328.22	328.13	327.94	328.55	328.29	327.60	328.66	327.52	327.60	328.32	328.41	327.83	327.63
G 11.0	326.72	326.90	326.93	327.43	327.11	327.12	327.63	326.90	327.19	327.06	326.94	326.24	327.32
G 12.0	326.02	325.83	325.92	326.29	325.75	326.14	326.49	326.04	326.40	325.56	326.10	325.99	326.15
G 13.0	324.81	324.62	325.02	325.55	324.78	324.81	325.20	324.58	325.05	324.38	324.52	324.81	324.47
G 14.0	323.81	323.68	323.78	324.21	323.49	323.75	323.84	323.28	323.93	323.32	323.89	323.25	323.60
G 15.0	322.71	322.47	322.59	322.71	322.38	322.61	322.88	322.21	322.56	322.35	322.78	322.42	322.43
G 16.0	320.97	321.28	320.99	321.82	321.02	320.91	321.61	320.89	321.25	321.06	321.40	321.10	321.07
G 17.0	319.80	319.83	319.72	320.11	319.01	319.36	320.25	319.34	319.72	319.38	320.01	319.59	319.44
G 18.0	318.20	318.25	318.16	318.73	317.75	317.78	318.02	317.72	318.08	317.44	318.64	317.99	318.00
G 19.0	316.44	316.57	316.47	316.97	316.44	316.03	316.58	316.02	316.32	315.94	316.25	316.63	316.39
G 20.0	314.70	314.67	314.72	314.65	314.58	314.31	314.64	313.84	314.44	314.27	314.52	314.44	314.41
G 21.0	312.73	312.72	312.64	313.21	312.35	312.40	312.96	312.02	312.34	312.03	312.66	312.19	312.38
G 22.0	310.52	310.39	310.50	310.54	310.05	309.99	310.77	310.02	310.29	310.04	310.23	310.47	310.05
G 23.0	308.19	308.00	307.76	307.89	307.65	307.51	308.03	307.51	307.66	307.48	308.11	307.75	307.67
G 24.0	305.71	305.49	305.45	305.73	305.28	305.07	305.47	305.01	305.46	305.22	305.63	305.31	305.52
G 25.0	302.99	302.83	302.90	303.03	302.75	302.57	302.97	302.14	302.75	302.46	302.92	302.57	303.15
G 26.0	300.22	300.19	300.19	300.40	299.98	300.00	300.30	299.19	300.06	299.80	300.11	299.99	300.49
G 27.0	297.71	297.55	297.38	297.60	297.16	297.01	297.52	296.57	297.13	296.93	297.58	297.40	297.55
G 28.0	294.65	294.35	294.35	294.60	294.14	294.05	294.52	293.61	294.40	293.87	294.55	294.19	294.75
G 29.0	291.57	291.12	291.43	291.60	291.17	290.79	291.56	290.69	291.23	290.72	291.40	290.84	291.43
G 30.0	287.94	287.97	288.23	288.38	287.88	287.55	288.40	287.46	288.05	287.37	288.06	287.47	288.36
G 31.0	284.79	283.96	284.95	284.91	284.49	283.83	284.68	283.93	284.42	284.11	284.96	284.39	284.98
G 32.0	281.28	280.85	280.96	280.92	280.77	280.72	281.06	280.01	281.11	280.31	281.46	280.58	281.38
G 33.0	277.30	276.80	277.04	277.23	277.01	277.03	277.57	276.46	277.33	277.19	277.75	277.48	277.66
G 34.0	273.16	272.72	273.01	273.22	273.00	273.39	273.91	272.89	273.55	273.05	273.70	273.28	274.39
G 35.0	268.75	268.55	268.87	268.93	268.97	268.76	269.27	268.62	269.30	268.88	270.28	269.49	269.97
G 36.0	263.94	263.75	263.97	264.35	264.41	264.50	265.04	264.11	265.02	264.84	265.55	265.20	265.63
G 37.0	259.13	259.29	259.23	259.37	259.36	259.13	260.11	259.95	260.34	260.31	261.34	261.30	261.46
G 38.0	253.77	253.41	253.56	254.40	253.39	254.24	255.05	254.27	255.39	255.42	256.48	255.90	256.48
G 39.0	247.41	246.74	247.77	248.37	248.25	248.06	249.40	249.09	250.38	250.18	251.13	250.49	250.78
G 40.0	240.62	240.56	241.13	241.75	241.20	242.11	242.97	242.97	244.27	244.31	245.07	244.40	245.29
G 41.0	232.74	232.95	233.76	234.27	234.56	234.70	236.00	236.75	236.92	236.96	238.37	238.45	238.91
G 42.0	223.34	224.03	224.11	225.63	225.81	226.90	228.53	228.07	229.52	229.67	230.45	229.73	230.68
G 43.0	212.00	213.07	213.58	213.65	215.61	215.77	217.42	219.22	219.59	220.36	220.56	220.79	220.79
G 44.0	198.34	199.94	199.36	202.35	203.24	204.76	206.30	205.86	207.57	207.96	209.64	209.07	210.26
G 45.0	182.79	184.93	186.39	186.87	188.40	189.77	191.67	192.10	193.11	193.79	193.99	194.76	195.51
G 46.0	164.61	166.16	168.78	170.38	169.50	172.29	174.11	174.67	177.42	176.10	177.88	173.87	178.10
G 47.0	144.76	149.07	149.33	151.86	152.19	152.38	155.65	156.00	155.39	155.62	157.90	158.23	158.68
G 48.0	124.91	127.13	129.07	130.93	131.64	132.76	134.56	134.00	137.08	136.24	137.06	137.50	137.83
G 49.0	107.37	108.88	110.65	111.98	110.87	114.71	113.97	115.76	114.37	116.82	117.31	117.40	117.63
G 50.0	90.97	92.00	92.97	94.88	95.36	95.61	98.08	97.35	97.98	98.43	98.06	99.01	102.54
G 51.0	77.20	79.86	80.28	82.25	81.16	81.23	81.63	83.94	83.42	83.49	84.49	83.77	85.02
G 52.0	66.38	67.62	67.92	68.13	69.55	70.37	70.67	70.28	71.07	71.17	71.41	71.36	71.26
G 53.0	57.79	58.79	59.75	60.26	60.27	60.64	60.88	61.52	61.09	60.98	61.62	62.07	61.80
G 54.0	50.49	51.34	52.09	52.15	52.50	52.70	52.91	53.08	52.70	53.29	53.35	53.62	53.05
G 55.0	44.30	45.15	45.67	46.02	45.93	46.05	46.14	46.27	45.97	46.53	46.18	46.88	47.00
G 56.0	39.21	40.10	40.12	40.26	40.50	40.55	40.76	40.70	40.32	41.09	40.59	40.54	41.06
G 57.0	35.17	35.62	35.79	36.23	36.17	35.90	36.02	36.07	36.31	36.21	36.23	36.24	36.69
G 58.0	31.56	31.86	31.95	32.06	32.19	31.97	32.19	32.10	32.01	32.32	31.97	32.29	32.27
G 59.0	28.43	28.55	28.45	28.87	28.86	28.81	28.58	28.71	28.97	28.85	28.93	28.88	28.96
G 60.0	25.52	25.50	25.71	25.92	25.82	25.76	25.92	25.81	25.65	25.91	25.79	26.10	25.84
G 61.0	22.80	23.29	23.14	23.48	23.31	23.51	23.33	23.41	23.21	23.08	23.33	23.50	23.40
G 62.0	20.98	21.16	21.06	21.26	21.26	21.14	21.23	20.97	21.06	21.14	21.11	21.17	21.16
G 63.0	19.12	19.39	19.23	19.40	19.05	19.20	19.06	19.29	19.25	19.17	19.20	19.30	19.26
G 64.0	17.44	17.57	17.53	17.45	17.42	17.46	17.43	17.55	17.38	17.48	17.47	17.48	17.42
G 65.0	15.97	16.09	15.99	16.14	15.91	15.90	15.95	16.02	15.99	15.98	16.07	16.01	15.85
G 66.0	14.56	14.73	14.68	14.82	14.59	14.65	14.66	14.68	14.57	14.76	14.56	14.65	14.68
G 67.0	13.49	13.58	13.50	13.65	13.57	13.58	13.45	13.60	13.53	13.61	13.53	13.52	13.52
G 68.0	12.51	12.61	12.50	12.64	12.53	12.66	12.60	12.53	12.52	12.60	12.55	12.56	12.58
G 69.0	11.61	11.71	11.66	11.72	11.64	11.71	11.65	11.74	11.63	11.70	11.67	11.66	11.70
G 70.0	10.72	10.88	10.87	10.93	10.89	10.94	10.98	10.97	10.96				

Luminaire				Measurem.				Lamp						
Code	TRL-20250047			Code	TRL-20250047			Code	Led					
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1					
Line	Eulumdat			Date	11-02-2025			Position						
Luminaire Flux	649.70 lm			Luminaire Power	7.83 W			Efficacy	82.99 lm/W			Efficiency	100.01%	
Lamps Flux	649.65 lm			Maximum value	334.78 cd			Position	C=345.00 G=1.00			CG	Asymmetrical	
Luminous Intensity Table cd														
Table 2/18														
	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00	
G 0.0	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	
G 1.0	332.82	333.52	333.16	333.17	333.46	332.78	333.02	333.08	333.05	333.43	333.30	332.77	333.75	
G 2.0	332.97	333.31	332.41	332.78	333.45	333.62	333.18	333.19	333.20	333.24	332.55	332.01	333.76	
G 3.0	332.45	332.87	332.64	332.70	332.60	332.52	332.55	332.93	332.93	332.89	331.82	330.82	333.64	
G 4.0	332.18	332.43	332.26	332.44	332.29	332.21	332.44	332.28	332.27	332.68	331.50	329.88	333.52	
G 5.0	332.25	331.91	331.70	331.86	332.54	331.72	331.83	332.10	331.98	332.32	331.69	330.70	332.25	
G 6.0	331.71	331.58	331.30	331.19	331.64	331.33	330.99	331.62	331.93	331.63	331.46	331.21	331.97	
G 7.0	330.88	331.41	330.58	330.75	330.79	330.50	330.40	330.88	329.71	331.19	330.68	330.56	331.23	
G 8.0	329.96	330.69	329.52	329.93	329.55	330.10	329.80	330.00	329.95	330.52	329.64	328.98	330.37	
G 9.0	329.22	329.80	328.85	329.09	328.82	328.70	328.79	329.43	329.31	329.23	328.44	328.32	329.86	
G 10.0	328.16	328.73	327.87	328.22	328.32	327.87	327.77	327.67	328.66	328.73	328.48	327.42	328.95	
G 11.0	327.20	327.62	326.54	327.14	326.68	327.21	326.63	327.33	327.08	327.31	327.38	326.41	328.12	
G 12.0	326.17	326.46	326.19	325.95	326.77	326.23	326.10	326.29	325.86	326.64	326.56	325.54	327.18	
G 13.0	324.79	325.49	325.00	324.93	325.08	325.16	324.83	325.30	324.92	325.65	325.37	324.92	326.09	
G 14.0	323.63	324.41	323.66	323.66	323.90	323.94	323.33	324.10	323.83	324.17	324.22	323.70	324.88	
G 15.0	322.61	323.00	322.04	322.53	322.43	322.59	322.00	322.73	322.63	323.28	322.88	322.19	323.52	
G 16.0	321.03	321.57	321.35	320.99	321.58	320.94	321.60	321.30	321.62	321.90	321.47	321.14	322.42	
G 17.0	319.54	320.10	319.47	319.83	320.07	319.69	319.75	319.92	319.87	320.36	320.28	319.92	320.97	
G 18.0	317.87	318.16	317.77	318.08	318.30	318.26	318.22	318.63	318.66	318.59	318.85	318.34	319.62	
G 19.0	316.47	316.87	316.04	316.29	316.76	316.65	316.52	316.94	316.97	317.20	317.17	316.75	318.04	
G 20.0	314.56	315.52	314.00	314.40	314.92	314.72	315.27	315.42	315.11	315.71	315.47	315.46	316.31	
G 21.0	312.41	313.05	312.23	312.75	312.93	313.16	312.94	313.50	313.39	314.37	313.69	313.26	314.60	
G 22.0	310.09	311.08	309.61	310.65	310.84	310.84	311.04	311.37	311.42	312.23	311.76	311.81	312.76	
G 23.0	308.03	308.60	307.83	308.37	308.70	308.69	308.75	309.53	309.52	310.24	309.81	309.73	310.67	
G 24.0	305.82	306.15	305.50	305.60	305.92	306.33	306.40	307.21	307.27	307.84	307.24	307.46	308.65	
G 25.0	302.91	303.70	303.01	303.50	303.47	303.93	303.61	304.53	304.94	305.29	305.14	305.11	306.02	
G 26.0	299.97	301.23	300.73	301.04	301.42	301.43	301.44	301.94	302.01	302.70	302.55	302.16	303.31	
G 27.0	297.54	298.72	297.70	298.26	298.55	298.80	298.88	299.32	299.49	300.20	299.89	299.56	300.69	
G 28.0	294.64	295.81	294.78	295.43	295.78	295.85	295.74	296.39	296.31	296.94	296.91	296.74	297.56	
G 29.0	291.67	292.53	291.83	292.58	292.64	293.18	292.87	293.76	293.54	294.30	293.68	293.48	294.48	
G 30.0	288.27	289.51	288.46	289.10	289.66	289.79	289.43	290.42	290.16	290.98	290.32	290.39	291.19	
G 31.0	284.69	285.89	285.07	285.75	286.37	286.60	286.47	287.22	287.02	287.89	286.77	287.24	287.82	
G 32.0	281.21	282.44	281.69	282.30	282.86	282.97	282.59	283.53	283.12	284.27	283.78	283.26	284.36	
G 33.0	277.31	278.20	278.03	279.08	279.26	279.49	279.20	279.93	279.81	280.64	280.52	280.01	280.53	
G 34.0	273.70	274.85	274.02	274.89	275.12	275.36	275.15	276.21	275.82	276.59	276.36	276.20	277.12	
G 35.0	269.85	270.71	269.91	270.76	271.00	271.40	271.00	271.61	271.51	272.93	272.13	272.04	272.44	
G 36.0	265.72	266.29	265.65	266.45	266.45	266.39	266.05	267.52	267.08	267.87	267.58	267.82	268.48	
G 37.0	261.04	261.66	260.92	261.43	262.02	261.86	261.88	262.67	262.44	263.11	262.70	263.08	263.82	
G 38.0	255.96	257.12	256.07	256.31	256.43	257.03	256.59	257.41	256.98	258.12	258.08	257.83	258.35	
G 39.0	250.68	251.11	250.47	250.85	251.09	251.56	251.61	251.81	251.86	252.94	252.01	251.90	252.49	
G 40.0	245.23	245.83	244.86	244.81	244.76	244.72	245.15	245.40	245.16	246.36	245.47	244.71	245.96	
G 41.0	238.12	238.32	237.76	238.46	237.93	237.85	237.86	238.39	237.91	238.31	237.82	238.44	238.25	
G 42.0	229.87	230.86	229.82	229.27	229.51	229.07	229.38	229.24	229.27	230.15	230.23	229.29	230.33	
G 43.0	221.32	221.10	220.10	220.40	220.09	218.86	219.14	218.31	218.93	219.01	218.62	219.46	219.03	
G 44.0	208.58	209.10	208.00	208.27	207.18	207.31	206.58	205.95	205.86	208.02	206.85	205.49	206.33	
G 45.0	194.57	194.41	193.17	193.61	192.51	192.13	191.26	190.73	190.81	192.67	191.83	191.74	193.04	
G 46.0	178.96	177.60	175.60	175.09	173.49	174.42	175.38	175.21	174.52	173.26	173.89	172.62	174.41	
G 47.0	157.80	158.84	156.56	157.74	155.73	154.88	154.21	153.04	153.06	153.68	153.44	153.65	156.57	
G 48.0	137.14	136.18	136.53	137.77	136.91	134.70	135.55	133.77	130.91	133.03	132.14	132.87	132.34	
G 49.0	118.58	119.06	118.67	116.42	117.67	116.68	115.55	115.10	113.66	113.76	111.94	111.40	113.74	
G 50.0	100.47	101.95	100.26	99.58	100.88	100.63	98.12	96.88	96.00	93.91	93.59	94.07	93.97	
G 51.0	85.03	85.49	85.33	85.04	84.60	84.47	83.20	82.44	80.98	80.66	78.04	77.62	77.54	
G 52.0	72.43	72.90	73.10	72.28	73.32	71.28	70.73	69.80	68.58	68.03	67.18	66.14	65.51	
G 53.0	62.12	63.01	62.15	62.59	61.85	61.63	60.82	59.73	58.85	58.37	57.17	56.10	55.39	
G 54.0	54.47	53.95	54.23	53.88	54.21	53.59	52.85	52.12	51.06	50.19	48.70	48.27	47.35	
G 55.0	46.93	47.53	47.36	47.78	47.88	46.92	46.45	45.66	44.70	43.85	43.50	41.89	41.82	
G 56.0	41.64	41.84	41.62	41.63	41.56	41.40	41.64	40.22	39.55	38.55	37.92	36.87	36.34	
G 57.0	36.67	36.73	37.20	37.05	36.88	37.17	36.72	36.34	35.60	34.67	33.77	32.65	31.85	
G 58.0	32.30	32.83	33.10	33.05	32.90	32.73	33.01	32.46	31.67	30.87	30.50	29.21	28.84	
G 59.0	29.18	29.30	29.48	29.29	29.82	29.43	29.53	29.15	28.68	28.13	27.46	26.31	25.86	
G 60.0	26.21	26.16	26.54	26.63	26.82	26.46	26.59	26.23	25.90	25.27	24.63	24.08	23.43	
G 61.0	23.75	23.79	23.81	23.97	24.16	24.01	24.00	23.73	23.52	23.02	22.59	21.92	21.55	
G 62.0	21.27	21.21	21.67	21.69	21.76	21.71	21.78	21.46	21.26	20.92	20.52	19.92	19.65	
G 63.0	19.39	19.51	19.79	19.70	19.78	19.75	19.68	19.59	19.44	19.06	18.73	18.16	17.94	
G 64.0	17.59	17.67	17.80	17.9										

Luminaire			Measurem.			Lamp	
Code	TRL-20250047		Code	TRL-20250047		Code	Led
Name	SPOT medio GX53 lente Fresnel		Name	SPOT medio GX53 lente Fresnel		Number	1
Line	Eulumdat		Date	11-02-2025		Position	

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG Asymmetrical	

	Luminous Intensity Table cd						Table 3/18						
	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G 0.0	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34
G 1.0	333.12	333.52	333.36	332.29	333.57	334.19	333.73	333.89	333.33	333.39	333.33	333.42	333.26
G 2.0	332.92	333.19	333.30	331.71	333.44	334.34	333.99	333.84	332.98	333.42	333.21	333.20	333.09
G 3.0	332.85	332.98	333.10	330.32	333.52	333.76	333.60	333.78	332.63	333.22	333.06	333.06	332.82
G 4.0	332.62	332.79	332.95	332.26	333.29	333.30	332.95	332.88	332.31	332.60	332.47	332.74	332.22
G 5.0	332.34	331.64	332.43	331.61	333.12	333.12	332.40	331.60	331.62	332.00	331.92	332.22	332.12
G 6.0	331.00	331.16	331.85	330.95	332.27	332.23	331.55	331.73	330.92	331.19	331.24	331.65	331.80
G 7.0	330.26	330.54	331.08	330.16	330.93	331.38	330.91	331.34	330.13	330.40	330.68	331.01	330.61
G 8.0	329.77	330.82	330.74	329.15	330.40	330.36	330.12	330.87	329.58	329.77	329.95	330.32	329.62
G 9.0	329.18	329.92	329.90	328.14	329.20	329.54	329.46	329.63	328.85	328.65	329.50	329.21	329.17
G 10.0	328.36	328.71	329.08	327.72	328.67	329.00	328.52	327.87	327.75	327.99	328.36	328.73	327.91
G 11.0	327.19	327.54	328.05	327.10	327.68	328.24	327.82	327.99	326.77	326.54	327.37	327.58	326.97
G 12.0	326.18	326.60	326.95	325.79	326.80	326.99	326.40	326.28	325.53	325.44	326.34	326.64	326.13
G 13.0	325.27	325.41	325.90	324.95	325.94	325.84	325.18	325.39	324.46	324.38	325.65	325.63	325.20
G 14.0	324.15	324.55	324.58	323.61	325.00	324.77	324.41	324.33	323.33	323.12	324.45	324.64	324.26
G 15.0	322.92	323.19	323.74	322.36	323.43	323.73	323.08	323.24	322.22	322.73	323.56	323.41	323.20
G 16.0	321.75	322.03	322.37	321.59	322.21	322.48	321.70	322.14	320.93	321.22	322.41	322.25	322.05
G 17.0	320.19	320.54	321.06	319.72	321.05	321.30	320.51	320.51	319.64	319.39	321.43	321.13	320.83
G 18.0	318.97	319.20	319.59	318.56	319.31	319.69	319.28	319.22	318.13	318.25	319.97	319.58	319.17
G 19.0	317.46	317.67	318.12	317.05	317.91	318.09	317.75	317.83	316.67	316.65	318.31	318.35	317.91
G 20.0	315.98	316.11	316.48	315.59	316.33	316.51	316.02	316.03	315.02	315.16	316.58	316.78	316.50
G 21.0	314.05	314.49	314.63	314.07	314.66	314.61	314.33	314.15	313.63	313.50	314.95	314.53	314.07
G 22.0	312.02	312.61	312.89	311.44	312.92	312.68	311.85	312.46	311.12	311.26	312.32	312.47	312.03
G 23.0	310.31	310.49	310.93	310.00	310.46	310.69	310.20	309.85	309.17	308.79	310.13	310.35	309.39
G 24.0	308.01	308.47	308.59	307.45	308.25	308.36	307.41	307.30	306.69	306.48	307.44	307.26	306.83
G 25.0	305.51	305.91	306.30	305.01	305.99	305.84	305.09	305.19	304.23	303.50	304.70	304.44	303.89
G 26.0	302.96	302.84	303.59	302.35	303.40	303.13	302.38	301.75	301.15	301.19	301.54	301.08	301.05
G 27.0	299.95	300.16	300.81	299.49	300.32	299.91	300.09	299.91	298.39	297.79	298.61	298.15	297.66
G 28.0	297.12	297.07	297.93	296.37	297.51	297.10	296.83	296.28	295.48	294.59	295.10	294.86	293.92
G 29.0	293.97	293.98	294.65	292.94	294.16	294.16	293.56	293.01	292.06	291.77	291.57	291.39	290.75
G 30.0	290.61	291.02	291.71	290.13	291.33	290.33	290.01	289.27	288.07	287.94	287.71	287.37	286.89
G 31.0	287.61	287.22	288.01	286.22	287.13	286.76	286.29	285.82	284.87	283.85	284.01	283.48	282.58
G 32.0	283.76	283.59	284.61	282.92	283.65	283.31	282.70	282.04	281.00	280.41	279.71	279.41	278.84
G 33.0	280.13	279.63	280.36	279.11	279.40	279.01	278.59	278.21	276.91	276.06	275.55	275.36	274.06
G 34.0	276.34	275.85	276.70	274.95	275.85	275.08	274.77	273.77	273.22	271.66	271.56	271.01	269.68
G 35.0	272.16	272.07	272.32	271.01	271.08	270.73	270.43	269.26	268.74	267.40	267.04	265.71	266.10
G 36.0	267.70	267.57	267.94	266.44	266.87	266.43	266.10	264.70	263.50	262.60	261.85	260.72	260.30
G 37.0	263.02	262.80	262.99	261.75	262.12	261.31	260.39	259.51	258.75	258.09	256.28	255.68	254.67
G 38.0	257.40	257.46	257.39	255.65	256.66	255.83	255.16	254.01	253.01	252.18	250.65	249.63	248.97
G 39.0	251.96	252.06	251.41	250.05	250.59	250.16	249.04	248.46	246.95	246.00	243.81	242.99	241.83
G 40.0	244.79	245.23	245.06	243.15	244.27	243.32	242.33	241.53	239.97	238.84	236.45	235.75	234.49
G 41.0	238.25	238.22	237.61	236.30	235.99	235.65	234.50	233.58	232.10	231.40	228.68	228.10	226.96
G 42.0	229.12	228.86	229.32	227.99	227.75	227.31	225.06	224.84	222.80	222.04	218.92	217.73	217.50
G 43.0	218.70	219.33	218.41	218.22	217.62	217.22	215.82	214.47	213.32	212.31	208.81	207.54	206.86
G 44.0	206.83	207.40	207.24	205.90	205.43	204.73	203.75	202.33	201.55	200.36	194.73	194.88	194.26
G 45.0	192.04	191.41	193.03	191.57	191.58	190.44	189.52	189.41	188.34	186.44	181.58	180.71	180.08
G 46.0	175.46	175.50	175.47	172.14	174.56	173.15	173.77	172.99	170.97	171.09	166.12	164.23	163.50
G 47.0	153.13	154.09	154.92	156.98	155.35	155.42	154.48	155.67	154.47	155.40	148.69	147.80	148.33
G 48.0	133.61	132.97	134.33	133.45	133.58	136.64	134.28	135.13	134.81	135.38	129.27	129.51	130.86
G 49.0	111.89	114.54	112.88	114.18	114.51	116.16	115.99	116.68	117.84	118.91	113.47	112.86	114.91
G 50.0	94.73	95.02	93.71	95.34	95.36	97.89	99.07	99.00	101.07	102.09	96.27	97.41	99.65
G 51.0	77.90	79.73	79.90	80.38	80.40	82.36	83.11	85.00	86.40	87.21	84.51	84.67	87.61
G 52.0	64.93	65.67	66.42	66.36	67.56	69.30	70.35	72.88	73.61	75.39	73.52	74.47	75.81
G 53.0	55.03	55.25	55.94	56.53	57.11	59.14	60.62	63.38	64.81	65.74	64.56	66.11	67.63
G 54.0	46.92	47.48	48.09	48.40	49.86	50.98	52.69	54.75	56.27	57.87	57.24	58.13	59.82
G 55.0	40.12	40.92	41.10	41.73	42.72	44.45	46.15	48.47	50.32	51.75	51.40	51.92	53.48
G 56.0	35.74	35.56	35.62	36.62	37.80	39.53	40.77	42.63	44.24	46.21	45.63	46.73	47.88
G 57.0	31.47	31.36	31.48	32.34	32.97	34.75	36.06	38.31	39.86	41.29	41.31	42.01	43.39
G 58.0	28.22	28.09	27.99	28.81	29.79	31.31	32.73	34.03	35.39	37.22	36.91	38.03	38.76
G 59.0	25.41	25.15	25.38	25.85	26.72	28.21	29.31	30.82	32.17	33.49	33.70	34.09	35.23
G 60.0	23.01	22.85	22.94	23.17	24.15	25.48	26.54	27.93	29.09	30.26	30.43	30.91	31.77
G 61.0	20.91	20.96	20.87	21.30	22.03	23.15	24.17	25.18	26.30	27.45	27.61	28.04	28.72
G 62.0	19.04	19.16	19.06	19.33	20.14	21.15	22.05	22.98	23.86	25.00	24.97	25.42	26.05
G 63.0	17.53	17.52	17.49	17.85	18.43	19.22	20.11	21.10	21.75	22.71	22.74	23.05	23.67
G 64.0	16.07	16.09	16.01	16.37	16.94	17.63	18.35	19.32	19.92	20.62	20.76	21.04	21.65
G 65.0	14.86	14.83	14.81	15.11	15.61	16.22	16.74	17.78	18.33	18.99	19.06	19.28	19.79
G 66.0	13.70	13.84	13.84	14.00	14.47	15.03	15.55	16.35	16.78	17.39	17.40	17.82	18.06
G 67.0	12.92	12.87	12.88	13.03	13.38	13.81	14.41	15.08	15.56	16.10	16.21	16.40	16.64
G 68.0	12.00	12.08	12.09	12.21	12.54	12.95	13.45	13.99	14.37	14.93	14.99	15.25	15.57
G 69.0	11.36	11.32	11.35	11.56	11.74	12.21	12.62	13.07	13.46	13.90	14.11	14.29	14.40
G 70.0	10.63	10.73	10.70	10.96	11.10	11.							

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG Asymmetrical	

	Luminous Intensity Table cd												Table 4/18
	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 0.0	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34
G 1.0	333.53	333.34	333.24	333.64	333.13	333.35	333.23	333.34	333.41	333.37	333.58	333.42	333.21
G 2.0	333.58	333.15	333.21	333.94	333.11	333.20	333.05	333.24	333.06	333.08	333.37	333.61	332.77
G 3.0	333.49	332.97	333.04	333.44	332.87	332.83	332.61	333.06	332.66	333.08	333.00	333.30	332.21
G 4.0	333.26	332.40	332.58	332.83	332.30	332.32	332.16	332.57	332.25	332.66	332.49	332.79	332.44
G 5.0	332.57	331.61	332.11	332.34	331.91	331.75	331.93	331.96	332.03	331.91	332.15	332.44	332.03
G 6.0	332.34	331.04	331.57	331.74	331.08	331.19	331.45	331.44	331.58	331.25	331.53	331.90	331.29
G 7.0	331.34	330.69	330.85	331.10	330.42	330.29	329.76	330.92	330.47	330.63	330.70	331.33	330.40
G 8.0	330.57	329.68	329.74	330.16	329.40	329.30	329.34	330.08	329.68	329.65	329.56	330.97	329.56
G 9.0	329.68	328.64	328.76	329.22	328.44	328.83	328.89	329.27	328.99	328.60	328.75	330.12	328.65
G 10.0	328.91	328.22	327.70	328.26	327.73	327.94	327.73	328.02	327.49	327.51	327.93	328.60	328.10
G 11.0	327.40	326.71	326.94	327.04	326.53	326.72	326.74	327.02	326.65	327.21	327.02	327.23	326.80
G 12.0	326.59	325.97	326.08	326.17	325.52	325.61	325.67	325.80	325.54	326.16	326.11	326.05	326.03
G 13.0	325.35	325.12	325.13	325.14	324.48	324.34	324.29	325.06	324.50	325.29	325.19	325.48	324.89
G 14.0	324.52	323.96	324.04	324.26	323.36	323.31	323.44	324.07	323.47	323.64	324.07	324.22	323.77
G 15.0	323.30	322.54	322.40	323.17	322.37	322.35	322.38	322.76	322.54	322.66	322.87	323.08	322.52
G 16.0	322.42	321.68	321.49	322.03	321.16	321.27	321.33	321.28	321.19	321.52	321.39	321.91	322.03
G 17.0	321.11	320.24	320.16	320.66	319.73	319.92	319.88	320.33	319.30	319.96	320.23	321.12	320.19
G 18.0	319.48	319.28	318.97	319.45	318.74	318.59	317.82	319.04	318.56	318.59	318.80	319.33	318.91
G 19.0	318.10	318.04	316.84	317.39	316.99	316.98	317.13	317.58	317.22	317.64	317.30	318.06	317.34
G 20.0	316.87	315.94	315.67	316.33	315.56	315.32	315.16	315.79	316.35	315.86	315.84	316.40	315.03
G 21.0	315.02	313.82	313.72	314.49	313.66	313.77	313.53	313.76	313.14	313.54	314.18	314.34	314.21
G 22.0	312.51	312.08	311.53	312.41	311.05	311.77	311.22	311.76	311.04	311.93	311.62	312.66	311.31
G 23.0	309.77	309.10	309.04	309.76	308.56	309.37	308.80	309.43	308.44	309.15	309.14	309.75	308.75
G 24.0	306.87	306.32	306.42	306.53	305.89	305.80	305.60	306.26	305.74	306.32	305.97	307.16	306.30
G 25.0	303.91	303.67	303.10	303.56	303.03	302.89	302.44	303.18	302.67	302.71	303.04	303.24	302.75
G 26.0	300.84	300.00	300.06	299.96	299.49	299.32	298.89	299.44	299.00	299.42	299.33	299.70	299.98
G 27.0	297.23	296.95	296.79	296.92	296.20	296.25	295.86	296.32	295.89	295.69	296.19	296.75	296.16
G 28.0	294.15	293.28	292.96	293.36	292.32	292.31	292.14	292.18	292.24	292.05	292.69	292.89	292.88
G 29.0	290.53	289.45	289.36	289.61	288.61	288.49	288.04	289.01	288.49	288.25	289.26	289.23	288.64
G 30.0	287.34	285.88	285.48	285.40	284.63	285.04	283.95	284.35	284.35	284.65	284.56	285.46	284.74
G 31.0	282.66	281.80	281.31	281.18	280.67	280.96	279.94	280.14	280.21	279.35	280.48	281.13	280.13
G 32.0	278.76	277.55	277.22	276.97	276.05	276.19	275.80	275.58	275.26	275.93	275.81	276.68	276.41
G 33.0	274.32	273.31	272.93	272.64	271.76	271.90	270.37	270.45	270.90	271.10	271.34	272.26	271.27
G 34.0	270.31	268.87	268.14	267.94	267.22	267.22	266.43	266.72	266.68	266.70	266.24	267.20	266.46
G 35.0	264.76	263.43	263.52	263.12	262.30	261.75	261.44	262.01	261.57	261.27	261.61	262.20	261.80
G 36.0	260.21	259.02	258.04	258.36	256.94	256.10	256.42	256.90	256.14	256.33	256.30	256.72	257.04
G 37.0	254.14	253.57	252.41	252.31	251.33	252.13	250.10	251.62	250.20	250.49	251.05	251.43	250.31
G 38.0	248.49	247.71	246.37	246.81	245.15	245.40	244.88	244.75	244.78	245.16	244.46	245.24	244.74
G 39.0	241.80	240.74	240.28	239.99	238.81	239.60	238.29	239.20	238.86	238.56	238.30	238.93	238.14
G 40.0	234.50	233.82	232.39	233.40	232.05	232.72	231.70	231.75	232.09	231.89	231.52	230.82	230.34
G 41.0	225.52	226.03	225.09	225.62	224.14	224.75	224.08	225.16	223.85	222.71	223.50	222.57	222.41
G 42.0	216.91	216.36	216.12	216.76	215.97	215.81	216.06	216.31	215.10	215.06	214.64	214.99	213.54
G 43.0	206.03	206.64	206.26	206.87	206.25	206.93	205.67	206.25	205.44	204.71	205.23	205.20	203.46
G 44.0	194.77	192.99	193.09	194.83	194.33	194.38	194.13	195.01	193.92	193.84	193.37	193.45	191.70
G 45.0	179.67	181.16	181.18	180.78	179.34	181.08	181.15	182.17	181.39	181.08	180.08	179.31	178.42
G 46.0	164.96	166.35	165.58	166.72	166.10	167.38	166.44	167.26	166.78	165.55	166.52	165.65	164.27
G 47.0	148.67	148.54	150.71	150.03	149.78	151.06	150.84	152.15	150.61	150.97	150.52	148.61	147.94
G 48.0	131.89	134.42	133.13	134.91	133.17	134.35	133.83	134.76	133.76	134.05	132.57	133.67	130.95
G 49.0	115.27	115.99	117.74	118.36	116.73	118.93	117.69	118.36	117.08	117.33	116.35	116.34	114.14
G 50.0	102.63	102.46	100.76	102.88	101.28	102.47	102.21	103.47	101.46	101.68	100.23	101.31	99.96
G 51.0	86.71	88.04	88.73	89.53	88.99	89.59	89.29	89.75	89.56	88.24	87.87	87.77	86.22
G 52.0	76.93	78.47	77.61	78.46	77.93	78.42	76.92	77.41	77.15	77.45	76.60	77.20	75.94
G 53.0	67.67	68.41	68.31	69.24	69.57	69.12	68.47	68.57	67.74	67.73	67.60	66.96	66.48
G 54.0	60.61	61.32	60.80	61.13	60.61	61.23	60.49	60.98	60.57	60.42	59.60	59.23	58.79
G 55.0	53.55	54.44	54.44	54.40	54.43	54.41	54.24	54.28	53.77	53.35	53.10	52.91	51.92
G 56.0	47.87	48.62	49.01	49.22	48.73	49.04	47.81	48.56	47.98	47.73	47.20	47.29	46.57
G 57.0	43.07	43.91	43.75	43.95	43.75	43.95	43.44	43.56	42.93	43.01	42.73	42.68	41.81
G 58.0	38.75	39.27	39.41	39.67	39.18	39.47	38.85	39.23	38.57	38.73	38.49	38.17	37.52
G 59.0	35.44	35.49	35.50	35.85	35.39	35.48	35.17	35.36	34.83	34.71	34.58	34.52	34.23
G 60.0	31.74	32.12	31.87	32.10	31.95	32.12	32.03	31.95	31.71	31.61	31.06	31.31	30.76
G 61.0	28.69	28.93	29.00	29.16	28.97	29.14	28.81	29.16	28.49	28.50	28.34	28.18	27.55
G 62.0	26.02	26.54	26.33	26.57	26.21	26.66	26.42	26.30	25.95	25.88	25.67	25.60	25.31
G 63.0	23.76	24.09	24.12	24.13	24.00	24.16	23.77	23.83	23.51	23.39	23.29	23.30	22.96
G 64.0	21.77	22.01	22.10	22.06	21.80	21.99	21.69	21.63	21.31	21.41	21.28	21.12	20.87
G 65.0	20.08	20.05	20.02	20.11	20.02	20.04	19.73	19.65	19.41	19.27	19.28	19.31	18.91
G 66.0	18.14	18.42	18.33	18.34	18.23	18.13	17.94	18.01	17.67	17.67	17.53	17.55	17.39
G 67.0	16.73	16.87	16.78	16.84	16.62	16.45	16.39	16.48	16.18	16.32	16.07	16.25	15.96
G 68.0	15.53	15.55	15.45	15.50	15.20	15.31	15.12	15.14	14.97	15.09	14.92	14.94	14.78
G 69.0	14.38	14.42	14.25	14.43	14.19	14.19	13.98	14.18	14.04	14.08	13.90	13.94	13.71
G 70.0	13.56	13.60	13.49	13.39	13.20	13.21							

Luminaire				Measur.				Lamp							
Code	TRL-20250047			Code	TRL-20250047			Code	Led						
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1						
Line	Eulumdat			Date	11-02-2025			Position							
Luminaire Flux		649.70 lm		Luminaire Power		7.83 W		Efficacy		82.99 lm/W		Efficiency		100.01%	
Lamps Flux		649.65 lm		Maximum value		334.78 cd		Position		C=345.00 G=1.00		CG		Asymmetrical	
Luminous Intensity Table cd														Table 5/18	
	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00		
G 0.0	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	333.34	
G 1.0	333.70	333.54	333.74	332.55	333.16	332.55	333.59	332.92	333.02	332.80	333.55	333.58	333.68	333.68	
G 2.0	333.38	333.29	333.37	333.19	333.76	331.71	333.27	332.81	332.48	333.87	333.28	333.54	333.85	333.85	
G 3.0	332.61	333.07	333.02	332.50	333.12	332.28	333.35	332.83	332.90	334.51	332.88	333.61	333.10	333.10	
G 4.0	332.31	333.15	332.69	332.13	332.22	333.52	333.02	331.92	332.45	334.15	332.29	333.24	332.62	332.62	
G 5.0	331.82	332.03	331.98	332.08	331.48	332.43	332.01	331.75	331.64	333.27	331.79	332.79	332.68	332.68	
G 6.0	330.81	332.09	331.21	331.06	332.03	331.99	331.19	331.17	330.76	332.58	331.57	332.34	332.35	332.35	
G 7.0	330.26	331.38	330.61	330.55	331.54	330.82	331.35	330.88	329.79	331.40	331.10	330.91	332.12	332.12	
G 8.0	329.47	330.18	329.90	329.22	330.47	330.38	330.55	330.52	330.14	331.04	330.72	330.68	331.62	331.62	
G 9.0	328.40	329.05	329.01	329.37	329.56	329.30	329.74	329.99	329.16	330.35	329.93	330.28	330.67	330.67	
G 10.0	328.38	328.30	328.06	328.55	328.57	329.02	328.87	329.03	328.51	329.34	328.52	329.28	329.58	329.58	
G 11.0	327.37	327.36	327.05	327.46	327.21	328.13	327.81	327.77	327.41	328.64	327.50	328.16	328.74	328.74	
G 12.0	326.25	326.30	326.32	326.44	326.36	326.75	327.34	326.91	326.92	327.80	327.38	327.42	327.62	327.62	
G 13.0	325.21	325.36	325.16	325.33	325.46	325.71	326.33	326.36	325.61	326.61	326.21	326.80	326.72	326.72	
G 14.0	324.04	324.34	324.33	323.86	324.39	324.21	325.87	325.13	324.74	325.94	325.12	325.88	325.81	325.81	
G 15.0	322.68	323.19	323.60	322.83	323.11	323.29	323.96	324.18	323.44	324.11	324.33	324.76	324.76	324.76	
G 16.0	321.48	322.45	321.91	321.88	322.22	322.39	323.69	322.85	322.96	323.51	323.29	323.63	323.68	323.68	
G 17.0	320.30	320.32	320.71	320.31	321.25	320.95	321.46	321.35	321.10	323.04	322.17	322.22	322.78	322.78	
G 18.0	319.07	318.73	319.41	318.93	319.39	319.73	319.86	320.25	319.56	321.11	320.36	320.60	321.02	321.02	
G 19.0	317.10	317.39	317.84	317.44	318.09	318.22	318.14	318.40	318.37	319.95	319.00	319.02	319.68	319.68	
G 20.0	315.95	315.87	315.75	315.00	316.39	316.61	316.94	317.24	316.45	318.04	317.46	317.04	318.26	318.26	
G 21.0	313.79	314.42	313.78	313.83	314.18	314.88	314.71	314.54	314.50	316.07	315.35	315.67	316.05	316.05	
G 22.0	311.96	311.18	311.91	312.02	312.55	312.48	313.28	312.68	312.90	314.00	313.47	313.39	313.69	313.69	
G 23.0	309.31	309.56	309.77	307.88	309.43	310.38	310.65	309.06	310.74	311.29	310.81	311.11	311.41	311.41	
G 24.0	306.69	306.41	306.03	305.99	306.49	306.44	307.87	307.23	308.13	308.34	308.58	308.54	308.59	308.59	
G 25.0	303.27	303.57	303.68	302.95	303.59	304.25	304.95	304.64	304.51	305.77	305.70	305.37	306.08	306.08	
G 26.0	299.68	300.50	300.21	300.24	300.18	301.31	301.55	301.63	301.59	302.72	302.12	302.40	302.15	302.15	
G 27.0	295.94	296.86	296.90	296.78	297.15	297.18	298.15	298.01	298.39	299.58	298.22	299.31	299.19	299.19	
G 28.0	293.22	293.50	293.63	293.91	294.20	294.00	294.88	294.87	294.83	296.08	295.33	295.84	296.08	296.08	
G 29.0	289.67	289.51	290.21	289.19	290.45	290.30	291.51	291.28	290.43	292.57	291.91	292.30	292.91	292.91	
G 30.0	285.37	286.03	285.43	285.70	286.84	286.73	287.34	287.50	287.19	289.14	288.67	289.11	289.34	289.34	
G 31.0	280.44	282.03	281.37	282.21	282.61	283.23	283.74	283.70	284.13	284.76	284.87	285.23	285.09	285.09	
G 32.0	276.32	277.17	277.50	277.52	278.30	278.37	279.65	279.15	279.52	280.44	281.26	281.16	282.26	282.26	
G 33.0	272.10	272.24	272.84	273.19	273.99	274.14	274.86	275.10	275.42	276.37	276.68	277.17	278.20	278.20	
G 34.0	267.24	267.92	268.22	267.98	269.23	269.80	270.39	270.85	271.30	272.08	271.88	272.95	273.67	273.67	
G 35.0	262.27	263.09	263.28	263.84	264.33	265.04	265.91	265.73	266.32	267.56	267.82	268.33	269.01	269.01	
G 36.0	256.48	257.75	258.11	258.49	259.35	259.77	260.67	261.34	261.00	263.01	262.30	263.11	264.38	264.38	
G 37.0	250.98	251.95	252.04	252.15	254.02	254.35	255.54	255.21	256.35	257.96	257.47	257.69	258.81	258.81	
G 38.0	245.26	245.58	246.61	246.15	247.95	248.21	248.96	249.90	248.66	251.22	251.48	251.79	253.29	253.29	
G 39.0	238.96	239.64	239.07	239.47	241.42	241.90	242.66	243.16	243.50	245.21	245.26	246.04	246.27	246.27	
G 40.0	231.67	231.38	232.49	232.64	233.55	233.98	234.90	235.22	235.98	237.47	237.77	238.03	239.39	239.39	
G 41.0	222.77	222.77	223.37	223.94	224.68	225.19	226.41	226.78	228.36	228.78	229.87	229.79	230.93	230.93	
G 42.0	213.62	214.21	215.10	213.54	215.84	214.27	217.31	218.24	218.44	219.00	219.75	220.01	220.61	220.61	
G 43.0	204.40	203.73	203.61	203.62	203.72	205.57	206.39	205.87	206.64	206.94	207.51	208.11	209.73	209.73	
G 44.0	191.24	191.28	191.38	190.38	191.33	191.09	191.54	192.09	192.09	192.37	194.31	193.49	194.13	194.13	
G 45.0	177.82	177.99	176.77	176.54	175.47	176.36	177.98	176.82	177.43	177.84	177.03	176.01	175.76	175.76	
G 46.0	163.92	161.83	160.52	159.05	160.13	159.23	159.06	158.14	157.24	157.35	157.78	156.99	157.37	157.37	
G 47.0	146.67	144.95	143.21	142.48	142.24	140.88	140.36	139.06	139.61	139.34	137.26	137.84	135.55	135.55	
G 48.0	130.53	127.67	127.60	123.40	123.67	121.91	121.24	120.51	117.94	116.22	117.67	115.43	115.05	115.05	
G 49.0	113.13	110.72	110.01	104.91	107.02	103.69	102.21	99.98	100.51	96.14	98.02	97.34	94.49	94.49	
G 50.0	97.53	95.06	94.65	92.30	90.20	87.78	86.67	86.07	83.24	82.48	81.62	79.04	79.73	79.73	
G 51.0	84.49	82.74	80.70	80.27	78.07	75.87	73.13	70.94	71.07	67.86	67.68	66.67	66.13	66.13	
G 52.0	74.80	72.32	71.23	69.60	67.17	65.03	63.50	60.25	58.74	56.49	55.77	55.76	55.49	55.49	
G 53.0	65.72	63.86	62.54	59.93	59.28	56.24	54.33	52.73	50.37	48.77	48.28	47.49	47.08	47.08	
G 54.0	58.29	57.11	55.45	53.77	52.06	50.23	48.15	45.89	43.76	42.66	42.05	40.60	40.70	40.70	
G 55.0	52.13	50.34	49.57	47.50	46.54	43.91	42.56	40.36	38.46	36.98	36.12	35.43	35.53	35.53	
G 56.0	46.60	45.58	44.78	42.86	41.58	39.74	37.86	35.93	34.43	32.93	31.87	31.10	31.64	31.64	
G 57.0	41.43	40.80	39.86	38.72	37.42	35.67	33.90	31.96	30.66	29.05	28.51	28.09</			

Luminaire		Measurem.		Lamp	
Code	TRL-20250047	Code	TRL-20250047	Code	Led
Name	SPOT medio GX53 lente Fresnel	Name	SPOT medio GX53 lente Fresnel	Number	1
Line	Eulumdat	Date	11-02-2025	Position	

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 6/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	333.34	333.34	333.34	333.34	333.34	333.34	333.34
G 1.0	333.94	333.22	333.39	333.62	334.78	333.10	332.92
G 2.0	332.81	333.27	334.29	332.88	334.39	332.65	332.45
G 3.0	332.83	333.47	334.12	332.13	333.57	332.74	331.37
G 4.0	332.65	333.55	333.47	333.30	333.31	332.22	332.39
G 5.0	331.45	333.27	332.89	333.97	334.11	331.87	332.92
G 6.0	331.04	331.65	331.82	333.43	333.43	331.57	332.43
G 7.0	330.84	331.55	332.10	332.40	332.84	330.89	332.39
G 8.0	329.54	331.57	331.80	331.46	330.97	329.90	331.21
G 9.0	329.15	330.69	330.87	330.47	330.54	329.73	329.97
G 10.0	328.67	329.90	329.87	329.37	329.92	329.69	329.25
G 11.0	328.29	328.84	328.95	328.69	328.89	328.46	328.22
G 12.0	326.60	328.41	328.54	327.91	328.46	327.21	327.65
G 13.0	326.15	327.38	327.61	326.69	327.09	326.39	326.58
G 14.0	325.41	326.15	326.20	325.95	326.08	325.16	325.45
G 15.0	323.32	325.06	325.18	324.88	324.65	324.13	324.33
G 16.0	322.53	323.65	324.12	323.66	323.66	323.14	323.20
G 17.0	321.55	322.19	322.69	322.67	322.81	321.71	321.68
G 18.0	319.91	321.32	321.21	321.06	321.55	320.44	320.38
G 19.0	318.64	319.84	319.72	319.98	319.59	318.54	318.73
G 20.0	316.85	317.59	318.17	318.05	318.06	316.69	316.86
G 21.0	315.00	315.78	316.40	316.09	315.91	314.60	314.75
G 22.0	312.70	313.39	313.96	314.05	313.93	313.05	312.34
G 23.0	310.40	311.31	311.45	311.72	311.24	310.40	310.30
G 24.0	307.69	308.57	308.90	308.48	308.81	307.33	307.84
G 25.0	305.39	305.94	306.20	305.53	306.32	305.07	304.28
G 26.0	302.10	303.53	303.84	302.87	302.75	302.34	301.90
G 27.0	299.12	299.28	299.61	299.70	300.18	299.52	299.58
G 28.0	295.40	296.82	296.63	296.65	296.26	296.40	296.75
G 29.0	292.14	293.84	293.26	293.51	293.64	292.98	291.45
G 30.0	289.08	289.41	290.38	289.76	290.42	289.31	289.55
G 31.0	284.67	286.25	286.32	286.23	286.78	284.94	285.47
G 32.0	281.08	282.49	282.85	282.13	283.26	281.18	282.42
G 33.0	277.26	277.45	278.66	278.84	279.60	277.63	277.62
G 34.0	272.58	273.39	274.00	274.67	273.98	273.82	274.11
G 35.0	268.31	269.30	270.30	270.05	270.27	270.03	269.07
G 36.0	263.80	264.60	264.63	265.35	265.36	264.22	264.69
G 37.0	258.07	259.07	258.45	259.96	259.77	258.52	259.03
G 38.0	251.70	253.82	254.27	253.92	253.96	253.66	254.31
G 39.0	245.73	246.92	247.25	246.92	247.94	246.86	246.60
G 40.0	238.39	239.32	239.89	239.74	240.73	239.89	239.18
G 41.0	229.86	230.88	231.46	231.17	230.76	231.11	230.44
G 42.0	219.26	221.16	220.51	221.10	221.27	219.83	220.48
G 43.0	206.36	207.96	208.51	208.29	208.34	207.81	208.08
G 44.0	192.98	193.69	193.14	194.00	192.38	191.19	192.70
G 45.0	175.42	172.18	175.17	173.93	175.03	176.66	175.50
G 46.0	155.31	155.75	154.73	155.62	154.42	155.92	158.36
G 47.0	133.09	134.67	133.08	133.27	133.29	134.92	134.97
G 48.0	112.31	112.99	114.26	112.32	113.22	114.53	115.95
G 49.0	93.41	94.24	93.38	95.84	96.09	96.41	98.77
G 50.0	77.59	79.10	77.74	79.46	80.43	81.27	83.23
G 51.0	64.42	65.12	65.84	67.37	68.22	69.92	71.21
G 52.0	55.18	56.11	56.44	57.85	59.16	59.83	61.54
G 53.0	47.36	48.07	49.08	50.12	51.63	52.58	53.44
G 54.0	40.72	42.20	42.60	43.89	44.83	46.57	47.24
G 55.0	35.78	36.61	37.58	39.06	39.73	40.78	41.63
G 56.0	31.75	32.75	33.43	34.84	35.89	36.77	37.47
G 57.0	28.24	29.23	30.24	31.13	31.75	32.63	33.01
G 58.0	25.45	26.34	26.97	27.98	28.68	29.56	29.67
G 59.0	22.94	23.75	24.38	25.51	26.05	26.49	26.97
G 60.0	20.97	21.57	22.31	23.18	23.59	24.10	24.41
G 61.0	19.04	19.79	20.39	21.09	21.50	21.96	21.99
G 62.0	17.70	18.19	18.68	19.26	19.69	20.03	20.19
G 63.0	16.16	16.76	17.18	17.76	17.82	18.36	18.42
G 64.0	14.94	15.45	15.75	16.24	16.46	16.73	16.93
G 65.0	13.73	14.14	14.45	14.84	15.21	15.29	15.30
G 66.0	12.72	13.12	13.33	13.71	13.84	14.09	14.12
G 67.0	11.75	12.13	12.34	12.77	12.85	12.98	12.94
G 68.0	11.00	11.28	11.45	11.76	11.90	12.00	12.14
G 69.0	10.37	10.66	10.68	10.87	10.97	11.24	11.13
G 70.0	9.73	9.89	9.99	10.22	10.33	10.46	10.44
G 71.0	9.24	9.43	9.47	9.75	9.82	9.93	9.89
G 72.0	8.95	9.13	9.19	9.42	9.48	9.65	9.69

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 7/18

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 73.0	9.70	9.85	9.94	10.08	10.12	10.20	10.16	10.19	10.17	10.22	10.21	10.25	10.19
G 74.0	9.99	10.16	10.34	10.38	10.40	10.48	10.47	10.47	10.47	10.42	10.41	10.46	10.47
G 75.0	10.60	10.82	10.97	11.04	11.07	11.05	10.99	11.00	10.96	10.90	10.90	10.87	10.96
G 76.0	11.30	11.55	11.76	11.78	11.75	11.68	11.65	11.56	11.44	11.30	11.32	11.38	11.53
G 77.0	12.04	12.32	12.52	12.59	12.62	12.56	12.58	12.41	12.12	11.85	11.92	12.11	12.42
G 78.0	12.81	12.98	13.18	13.38	13.43	13.35	13.26	13.21	12.72	12.23	12.34	12.73	13.03
G 79.0	13.18	13.43	13.65	13.87	13.86	13.88	13.81	13.53	12.96	12.48	12.51	13.03	13.54
G 80.0	13.38	13.61	13.78	13.99	14.08	14.13	14.11	13.69	12.86	12.44	12.39	12.99	13.78
G 81.0	13.16	13.37	13.49	13.72	13.89	14.05	14.06	13.40	12.32	12.20	12.07	12.49	13.65
G 82.0	12.62	12.77	12.88	13.22	13.26	13.65	13.65	12.70	11.66	11.79	11.75	11.84	13.18
G 83.0	11.86	11.83	11.84	12.09	12.25	12.75	12.64	11.62	10.59	10.96	10.88	10.71	12.04
G 84.0	10.41	10.28	10.24	10.63	10.53	10.99	10.77	9.84	8.83	9.41	9.07	9.14	10.28
G 85.0	8.66	8.58	8.62	8.80	8.63	8.97	8.83	7.54	6.96	7.35	7.21	7.24	8.22
G 86.0	6.81	6.83	6.64	6.65	6.73	6.71	6.45	5.62	5.24	5.19	5.22	5.44	6.05
G 87.0	5.08	5.18	5.16	5.13	4.93	5.02	4.58	3.96	3.57	3.71	3.69	3.77	4.32
G 88.0	3.71	3.71	3.57	3.61	3.62	3.53	3.19	2.74	2.46	2.51	2.58	2.57	2.88
G 89.0	2.45	2.52	2.47	2.55	2.50	2.42	2.12	1.88	1.64	1.70	1.73	1.71	1.96
G 90.0	1.52	1.60	1.48	1.61	1.57	1.56	1.40	1.15	1.04	1.07	1.04	1.11	1.27
G 91.0	0.65	0.71	0.78	0.77	0.83	0.83	0.76	0.66	0.58	0.62	0.56	0.64	0.73
G 92.0	0.04	0.06	0.05	0.08	0.11	0.12	0.17	0.15	0.14	0.18	0.14	0.19	0.29
G 93.0	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.00	0.01	0.02
G 94.0	0.02	0.04	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.03
G 95.0	0.02	0.02	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 8/18

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G 73.0	10.24	10.25	10.28	10.26	10.23	10.15	10.07	9.96	9.89	9.65	9.54	9.37	9.30
G 74.0	10.53	10.49	10.52	10.44	10.50	10.37	10.22	10.07	9.89	9.64	9.42	9.22	9.12
G 75.0	10.99	11.05	11.01	11.02	10.95	10.82	10.67	10.33	10.15	9.83	9.58	9.33	9.17
G 76.0	11.58	11.59	11.57	11.53	11.54	11.38	11.14	10.86	10.55	10.26	9.90	9.61	9.48
G 77.0	12.27	12.35	12.39	12.24	12.22	12.06	11.85	11.47	11.06	10.70	10.39	10.04	9.88
G 78.0	13.15	13.13	13.11	13.04	13.02	12.79	12.54	12.26	11.87	11.40	11.15	10.76	10.56
G 79.0	13.65	13.67	13.66	13.59	13.49	13.31	13.14	12.86	12.54	12.24	11.92	11.72	11.52
G 80.0	14.04	13.99	13.88	13.79	13.76	13.58	13.40	13.30	13.11	12.87	12.69	12.52	12.44
G 81.0	14.09	13.95	13.84	13.70	13.65	13.52	13.45	13.40	13.36	13.23	13.22	13.27	13.39
G 82.0	13.76	13.59	13.50	13.24	13.20	13.11	13.14	13.08	13.15	13.20	13.34	13.50	13.76
G 83.0	12.89	12.58	12.54	12.36	12.28	12.23	12.34	12.22	12.42	12.63	12.91	13.08	13.44
G 84.0	11.22	11.14	10.97	10.72	10.73	10.67	10.94	10.91	11.09	11.42	11.57	11.81	12.05
G 85.0	9.16	9.17	9.07	9.02	8.99	8.99	9.16	9.12	9.25	9.55	9.69	9.83	9.96
G 86.0	6.93	7.09	7.02	6.82	7.08	7.11	7.34	7.34	7.55	7.58	7.70	7.88	7.87
G 87.0	4.92	4.98	5.11	5.01	5.32	5.21	5.45	5.57	5.65	5.82	5.88	5.78	6.05
G 88.0	3.48	3.63	3.65	3.71	3.73	3.76	3.90	3.83	4.07	4.11	4.19	4.04	4.23
G 89.0	2.36	2.40	2.52	2.48	2.52	2.59	2.62	2.58	2.61	2.60	2.71	2.75	2.80
G 90.0	1.52	1.55	1.65	1.66	1.69	1.61	1.71	1.62	1.56	1.55	1.57	1.54	1.54
G 91.0	0.89	0.91	0.92	0.92	0.95	0.90	0.95	0.90	0.89	0.87	0.86	0.75	0.69
G 92.0	0.30	0.32	0.31	0.32	0.25	0.24	0.24	0.20	0.11	0.09	0.12	0.06	0.06
G 93.0	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.02
G 94.0	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
G 95.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 9/18

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G 73.0	9.19	9.25	9.21	9.36	9.61	9.89	10.18	10.62	10.92	11.22	11.61	11.66	11.78
G 74.0	9.03	9.11	9.11	9.22	9.50	9.82	10.15	10.57	10.92	11.20	11.73	11.72	11.89
G 75.0	9.03	9.09	9.17	9.31	9.54	9.86	10.28	10.74	11.09	11.40	11.94	12.06	12.28
G 76.0	9.33	9.28	9.33	9.50	9.80	10.18	10.60	11.14	11.49	11.80	12.53	12.65	12.92
G 77.0	9.75	9.70	9.80	10.03	10.31	10.78	11.26	11.75	12.17	12.52	13.42	13.61	13.96
G 78.0	10.45	10.46	10.55	10.66	11.03	11.47	12.01	12.55	12.99	13.38	14.40	14.68	14.94
G 79.0	11.54	11.46	11.53	11.64	11.90	12.42	12.80	13.39	13.76	14.23	15.19	15.59	16.05
G 80.0	12.45	12.41	12.46	12.47	12.73	13.13	13.56	14.01	14.37	14.85	15.71	16.06	16.57
G 81.0	13.32	13.30	13.38	13.33	13.42	13.67	14.02	14.39	14.69	15.17	15.67	16.07	16.58
G 82.0	13.75	13.81	13.80	13.80	13.78	13.82	14.06	14.32	14.54	14.90	15.18	15.45	15.93
G 83.0	13.36	13.53	13.59	13.50	13.35	13.42	13.42	13.51	13.71	13.91	13.65	14.05	14.38
G 84.0	11.93	12.33	12.19	12.34	12.18	12.24	11.91	12.09	12.07	12.37	11.83	11.87	12.09
G 85.0	9.87	10.02	10.13	10.24	10.20	10.13	10.01	10.16	10.14	10.27	9.51	9.53	9.86
G 86.0	7.80	7.87	7.94	8.11	8.35	8.43	8.10	8.37	8.23	8.34	7.52	7.59	7.98
G 87.0	5.83	5.89	6.07	6.01	6.19	6.19	6.18	6.21	6.16	6.20	5.35	5.39	5.46
G 88.0	4.21	4.18	4.11	4.07	4.15	4.39	4.29	4.39	4.36	4.42	3.74	3.72	3.83
G 89.0	2.63	2.70	2.66	2.84	2.79	2.80	2.92	3.01	2.83	2.93	2.56	2.48	2.47
G 90.0	1.58	1.60	1.65	1.62	1.58	1.69	1.75	1.71	1.69	1.72	1.40	1.37	1.38
G 91.0	0.70	0.75	0.78	0.72	0.84	0.88	0.82	0.88	0.87	0.93	0.64	0.68	0.74
G 92.0	0.07	0.07	0.05	0.05	0.08	0.11	0.08	0.14	0.12	0.15	0.06	0.05	0.08
G 93.0	0.04	0.04	0.04	0.04	0.04	0.03	0.05	0.05	0.06	0.04	0.03	0.05	0.05
G 94.0	0.01	0.02	0.03	0.02	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
G 95.0	0.02	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 10/18

	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 73.0	11.74	11.84	11.73	11.76	11.59	11.64	11.49	11.60	11.57	11.63	11.60	11.70	11.56
G 74.0	11.92	11.98	11.87	11.85	11.66	11.74	11.63	11.75	11.66	11.80	11.75	11.84	11.69
G 75.0	12.23	12.38	12.25	12.26	12.10	12.17	12.04	12.03	12.05	12.14	12.13	12.19	12.12
G 76.0	12.94	13.05	12.87	13.08	12.94	12.89	12.70	12.58	12.71	12.86	12.72	12.97	12.91
G 77.0	14.00	14.07	14.04	13.99	13.85	13.71	13.35	13.38	13.50	13.68	13.73	13.86	13.73
G 78.0	15.09	15.24	15.20	15.33	15.02	14.58	14.18	14.36	14.60	14.98	14.83	15.00	14.97
G 79.0	16.18	16.41	16.32	16.32	16.07	15.37	14.48	14.67	15.25	16.00	16.04	16.16	16.00
G 80.0	16.85	17.06	16.98	17.17	16.63	15.39	14.27	14.48	15.47	16.78	16.92	17.02	16.60
G 81.0	16.90	17.17	17.19	17.44	16.59	15.10	14.01	14.21	15.26	16.96	17.29	17.24	16.86
G 82.0	16.14	16.60	16.66	16.86	15.66	13.94	12.84	13.18	14.00	16.05	16.59	16.68	16.25
G 83.0	14.59	15.09	15.23	15.55	14.01	12.15	11.47	11.61	12.18	14.20	14.97	15.01	14.75
G 84.0	12.23	12.95	13.08	13.18	11.44	9.82	9.76	9.78	9.98	11.96	12.61	12.90	12.43
G 85.0	10.14	10.31	10.41	10.08	8.74	7.72	7.55	7.60	7.84	9.25	10.19	10.34	10.17
G 86.0	8.00	8.08	7.89	7.78	6.54	5.85	5.76	6.12	5.76	6.75	7.49	7.77	7.44
G 87.0	5.58	5.56	5.40	5.17	4.40	4.06	3.94	4.14	4.00	4.70	5.12	5.56	5.30
G 88.0	3.74	3.82	3.77	3.58	2.96	2.73	2.68	2.75	2.69	3.13	3.50	3.57	3.59
G 89.0	2.51	2.57	2.43	2.31	2.02	1.80	1.76	1.77	1.76	2.03	2.29	2.40	2.39
G 90.0	1.42	1.48	1.43	1.36	1.15	1.09	1.07	1.08	1.03	1.19	1.38	1.48	1.41
G 91.0	0.76	0.73	0.80	0.81	0.67	0.58	0.54	0.59	0.53	0.65	0.77	0.74	0.63
G 92.0	0.07	0.08	0.11	0.08	0.10	0.07	0.07	0.05	0.08	0.08	0.07	0.04	0.05
G 93.0	0.05	0.05	0.06	0.01	0.05	0.02	0.00	0.03	0.02	0.01	0.01	0.02	0.04
G 94.0	0.04	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.02	0.02	0.02
G 95.0	0.04	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.02	0.02
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 11/18

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G 73.0	11.56	11.42	11.35	11.01	10.85	10.46	10.17	9.74	9.46	9.16	8.99	8.83	8.82
G 74.0	11.73	11.64	11.53	11.25	11.09	10.69	10.34	9.86	9.54	9.28	9.10	8.89	8.87
G 75.0	12.06	12.01	11.90	11.61	11.51	11.12	10.74	10.19	9.91	9.64	9.43	9.22	9.18
G 76.0	12.86	12.59	12.55	12.30	12.13	11.75	11.32	10.82	10.51	10.12	9.89	9.74	9.72
G 77.0	13.78	13.55	13.40	13.08	12.98	12.58	12.23	11.64	11.33	10.94	10.77	10.59	10.55
G 78.0	15.02	14.71	14.50	14.19	14.01	13.48	13.30	12.73	12.28	11.86	11.69	11.64	11.65
G 79.0	15.98	15.60	15.38	14.91	14.73	14.36	14.00	13.58	13.18	12.93	12.93	12.83	12.98
G 80.0	16.54	16.22	15.97	15.54	15.28	14.86	14.66	14.27	14.06	13.87	13.88	13.83	13.91
G 81.0	16.70	16.27	16.05	15.53	15.32	14.93	14.74	14.48	14.43	14.32	14.40	14.35	14.37
G 82.0	16.06	15.57	15.35	14.78	14.66	14.28	14.29	13.99	14.10	14.03	14.10	14.03	13.99
G 83.0	14.56	14.02	13.80	13.42	13.38	13.02	13.05	12.92	13.05	13.00	12.97	12.65	12.78
G 84.0	12.39	12.03	11.88	11.34	11.39	11.08	11.29	10.99	11.43	10.91	11.08	10.60	10.58
G 85.0	10.05	9.97	9.73	9.56	9.36	9.17	9.36	9.14	9.20	9.04	8.75	8.50	8.59
G 86.0	7.65	7.32	7.46	7.28	7.17	6.95	7.01	6.59	6.79	6.63	6.65	6.31	6.24
G 87.0	5.49	5.18	5.22	5.07	5.12	5.03	4.96	4.78	4.82	4.63	4.57	4.47	4.52
G 88.0	3.74	3.63	3.78	3.61	3.62	3.49	3.36	3.20	3.33	3.23	3.17	3.05	3.07
G 89.0	2.38	2.32	2.29	2.18	2.17	2.10	2.11	2.07	2.06	2.06	2.00	1.91	1.92
G 90.0	1.46	1.39	1.36	1.29	1.29	1.17	1.21	1.13	1.12	1.20	1.12	1.01	1.05
G 91.0	0.52	0.53	0.53	0.50	0.46	0.36	0.39	0.26	0.25	0.15	0.16	0.14	0.14
G 92.0	0.02	0.04	0.04	0.04	0.02	0.04	0.03	0.04	0.03	0.02	0.03	0.04	0.04
G 93.0	0.01	0.03	0.03	0.02	0.01	0.03	0.01	0.03	0.02	0.03	0.02	0.03	0.04
G 94.0	0.02	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.01	0.01	0.00	0.01	0.01
G 95.0	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.00	0.02	0.02
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measurem.		Lamp	
Code	TRL-20250047	Code	TRL-20250047	Code	Led
Name	SPOT medio GX53 lente Fresnel	Name	SPOT medio GX53 lente Fresnel	Number	1
Line	Eulumdat	Date	11-02-2025	Position	

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 12/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 73.0	8.79	9.02	9.04	9.23	9.42	9.64	9.76
G 74.0	8.82	9.03	9.13	9.42	9.68	9.94	10.11
G 75.0	9.20	9.30	9.54	9.96	10.17	10.43	10.66
G 76.0	9.68	9.95	10.13	10.49	10.72	11.08	11.43
G 77.0	10.62	10.82	10.96	11.21	11.47	11.77	12.12
G 78.0	11.58	11.89	11.92	12.09	12.29	12.65	12.88
G 79.0	12.88	12.87	12.90	12.92	12.96	13.14	13.24
G 80.0	13.82	13.84	13.60	13.50	13.35	13.38	13.32
G 81.0	14.13	14.12	13.85	13.67	13.35	13.21	12.98
G 82.0	13.69	13.72	13.35	13.30	12.84	12.65	12.40
G 83.0	12.25	12.34	11.87	11.86	11.61	11.45	11.27
G 84.0	10.18	10.17	10.06	10.20	9.98	9.94	9.64
G 85.0	8.31	8.17	8.10	8.22	8.05	7.96	7.91
G 86.0	6.15	6.28	6.25	6.15	6.14	6.24	6.10
G 87.0	4.50	4.56	4.35	4.60	4.54	4.53	4.41
G 88.0	2.99	3.07	2.97	3.11	3.15	3.25	3.16
G 89.0	1.84	1.91	1.85	1.95	1.93	2.01	1.93
G 90.0	1.02	0.97	1.03	1.10	1.13	1.13	1.13
G 91.0	0.14	0.13	0.14	0.17	0.15	0.22	0.22
G 92.0	0.05	0.03	0.05	0.04	0.05	0.05	0.05
G 93.0	0.03	0.02	0.03	0.05	0.03	0.04	0.03
G 94.0	0.03	0.01	0.03	0.04	0.02	0.02	0.02
G 95.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 13/18

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 14/18

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
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Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical
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Luminous Intensity Table cd Table 15/18

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00





Luminaire				Measurem.				Lamp			
Code	TRL-20250047			Code	TRL-20250047			Code	Led		
Name	SPOT medio GX53 lente Fresnel			Name	SPOT medio GX53 lente Fresnel			Number	1		
Line	Eulumdat			Date	11-02-2025			Position			

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

Luminous Intensity Table cd Table 17/18

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0										

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	TRL-20250047	Code	TRL-20250047	Code	Led
Name	SPOT medio GX53 lente Fresnel	Name	SPOT medio GX53 lente Fresnel	Number	1
Line	Eulumdat	Date	11-02-2025	Position	

Luminaire Flux	649.70 lm	Luminaire Power	7.83 W	Efficacy	82.99 lm/W	Efficiency	100.01%
Lamps Flux	649.65 lm	Maximum value	334.78 cd	Position	C=345.00 G=1.00	CG	Asymmetrical

**Luminous Intensity Table cd      Table 18/18**

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00