

Report No.:

Test Time: 2026-09-10 17:30

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 51.07533 36D

Luminous Width (mm): -67

Current: 0.145 A

Power Factor: 0.950

Luminous Length (mm): -67

Voltage: 231.2 V

Power: 32.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3310.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H52.6

Vertical Diffuse Angle(50%): V52.6

Luminaire Efficacy Rating (LER): 103.51

Max. Intensity: 4688.8 cd

S/MH(C0/C180): 0.85

Total Rated Lamp Lumens: 3310.7 lm

Efficiency: 100%

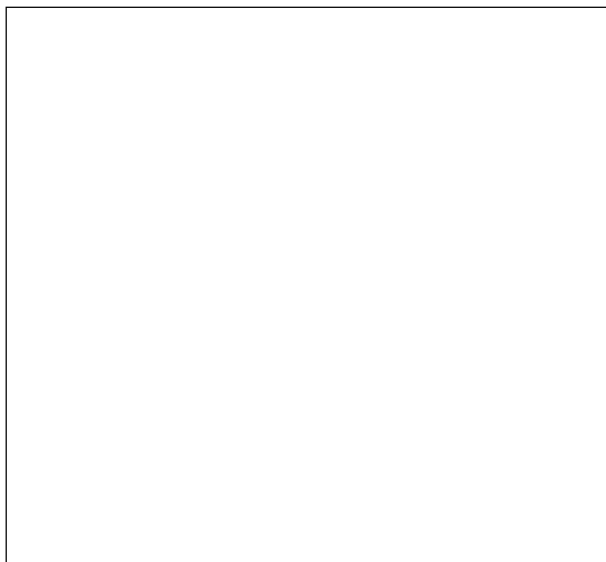
Upward Ratio: 0%

Central Intensity: 4562.16 cd

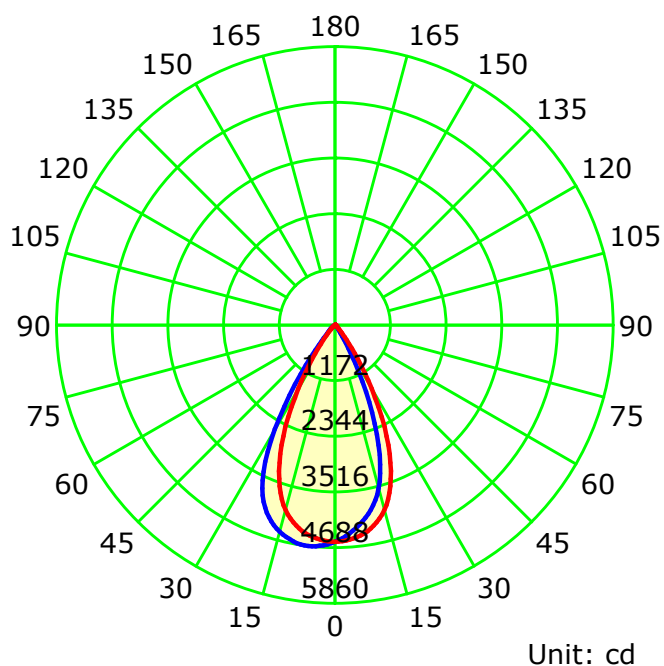
Pos of Max. Intensity: H180 V7

S/MH(C90/C270): 0.85

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

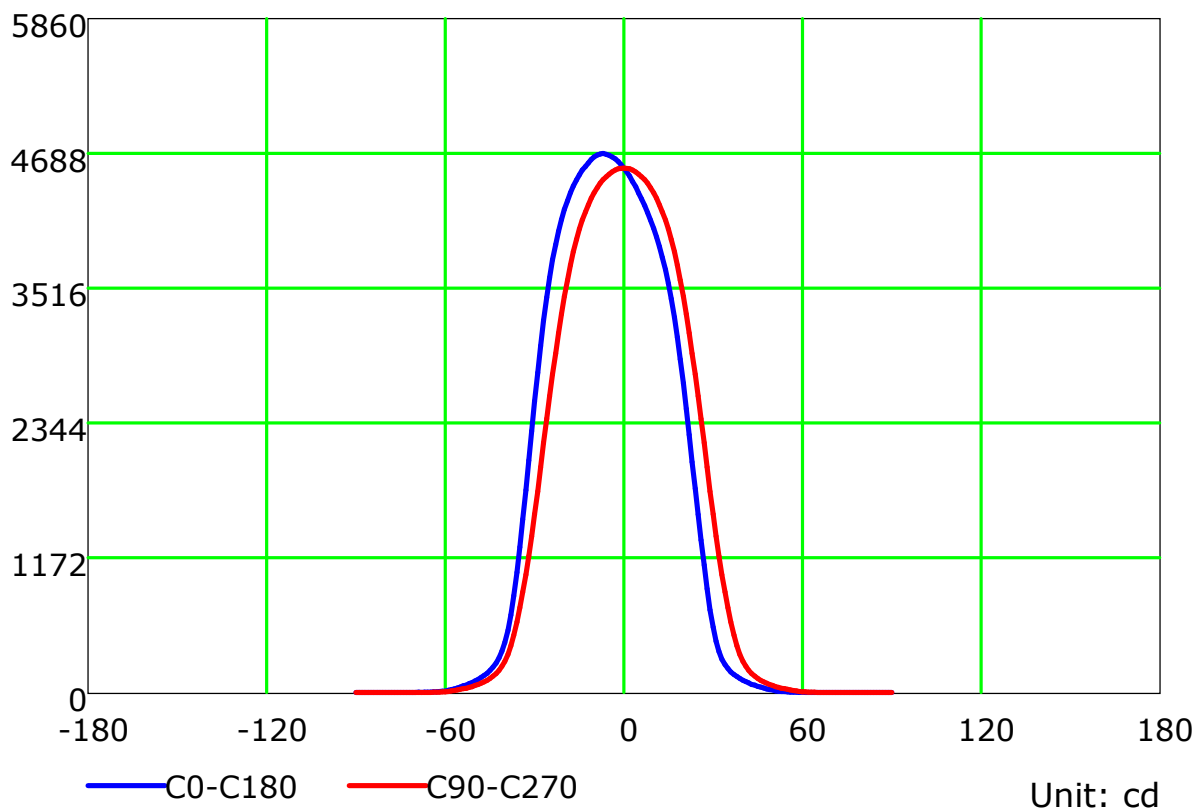
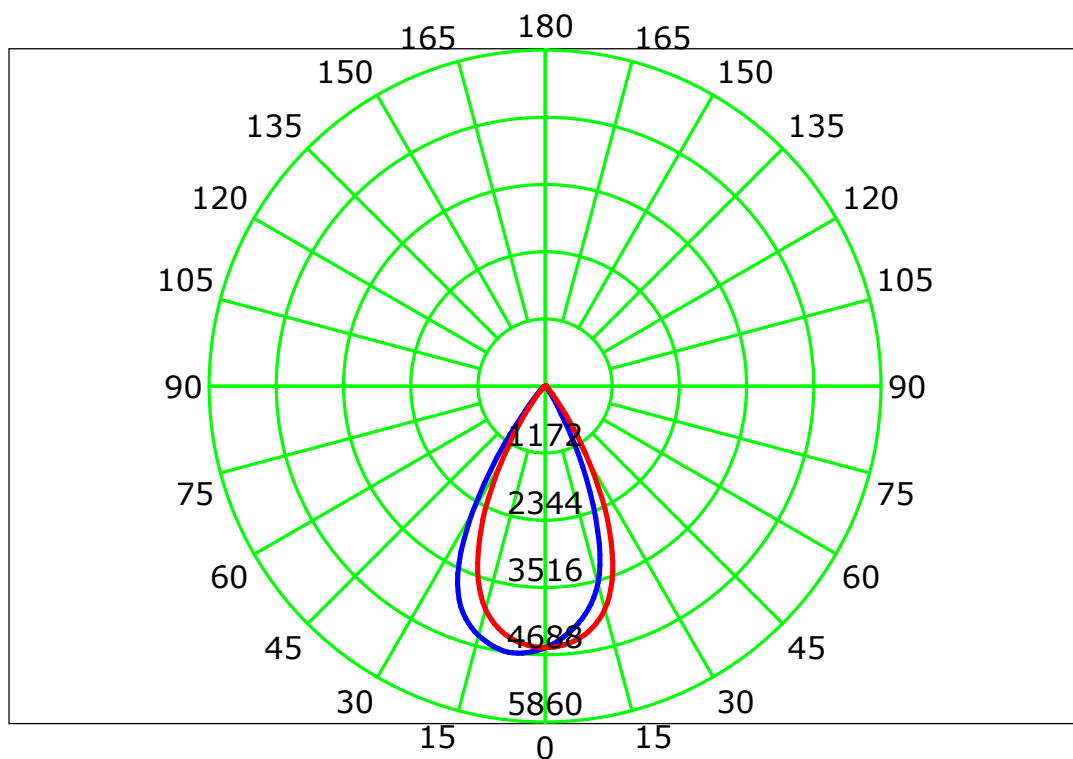
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

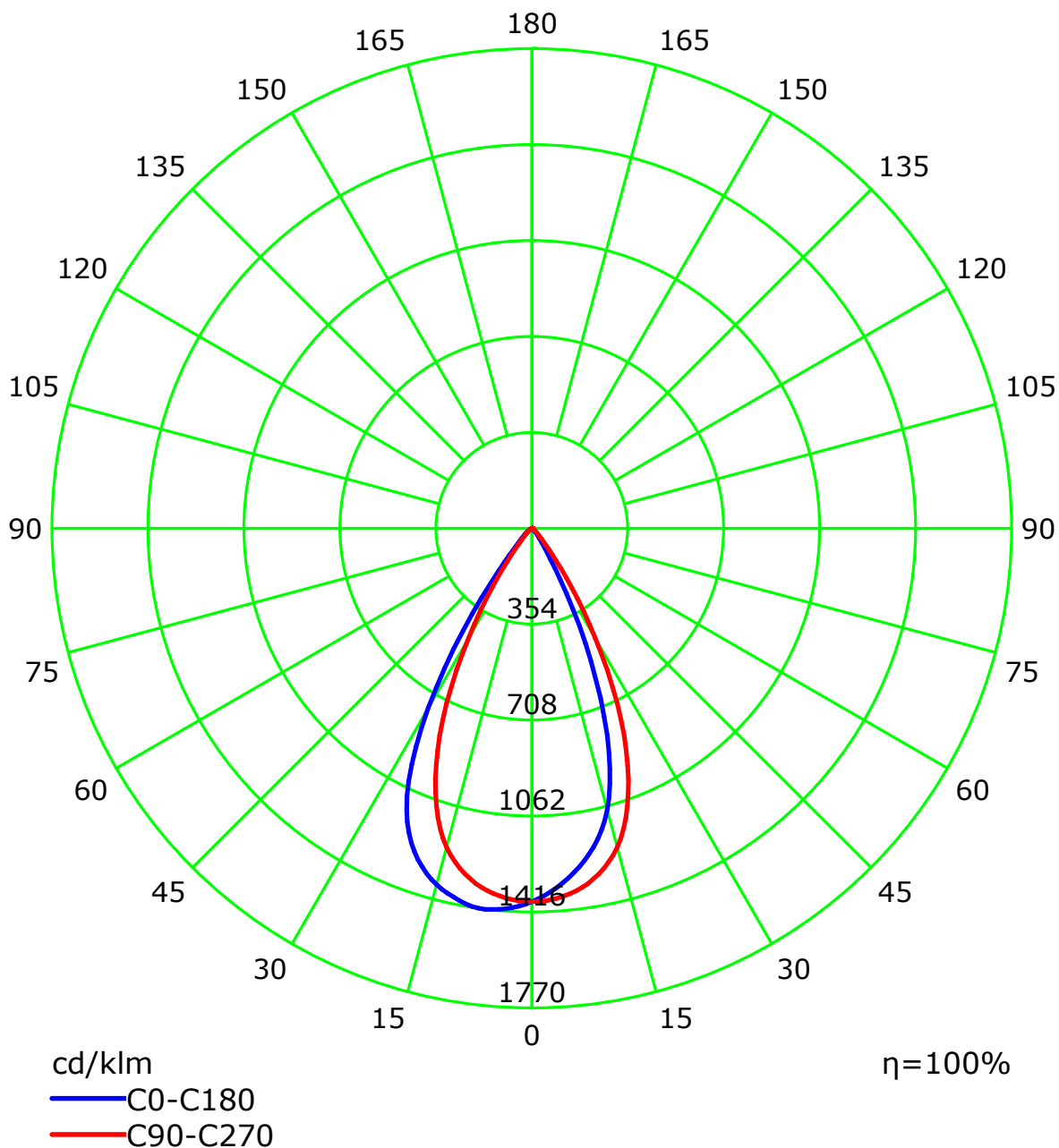
Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

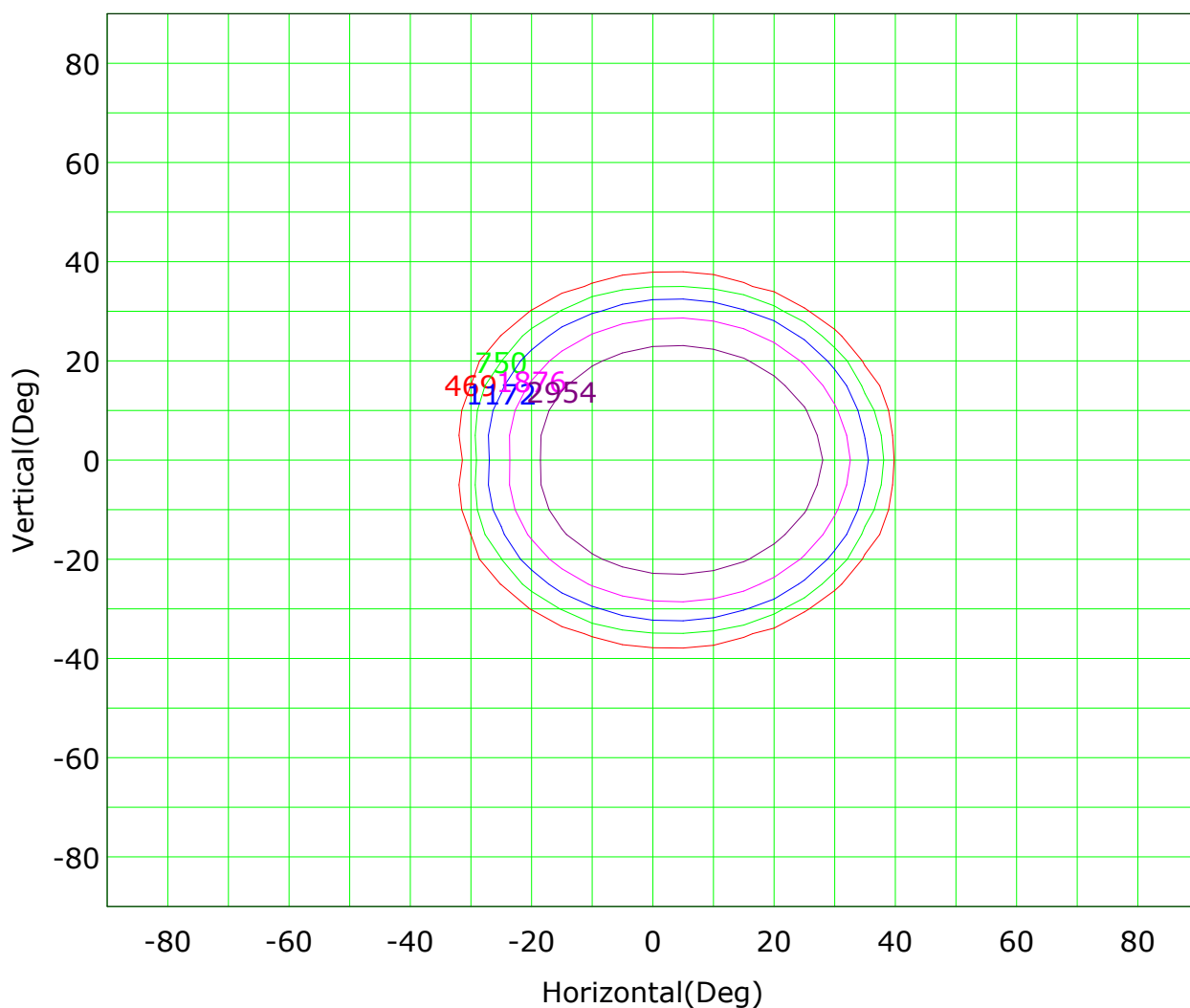
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 4689 cd

(10%): 469 cd	(16%): 750 cd
(25%): 1172 cd	(40%): 1876 cd
(63%): 2954 cd	(100%): 4689 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

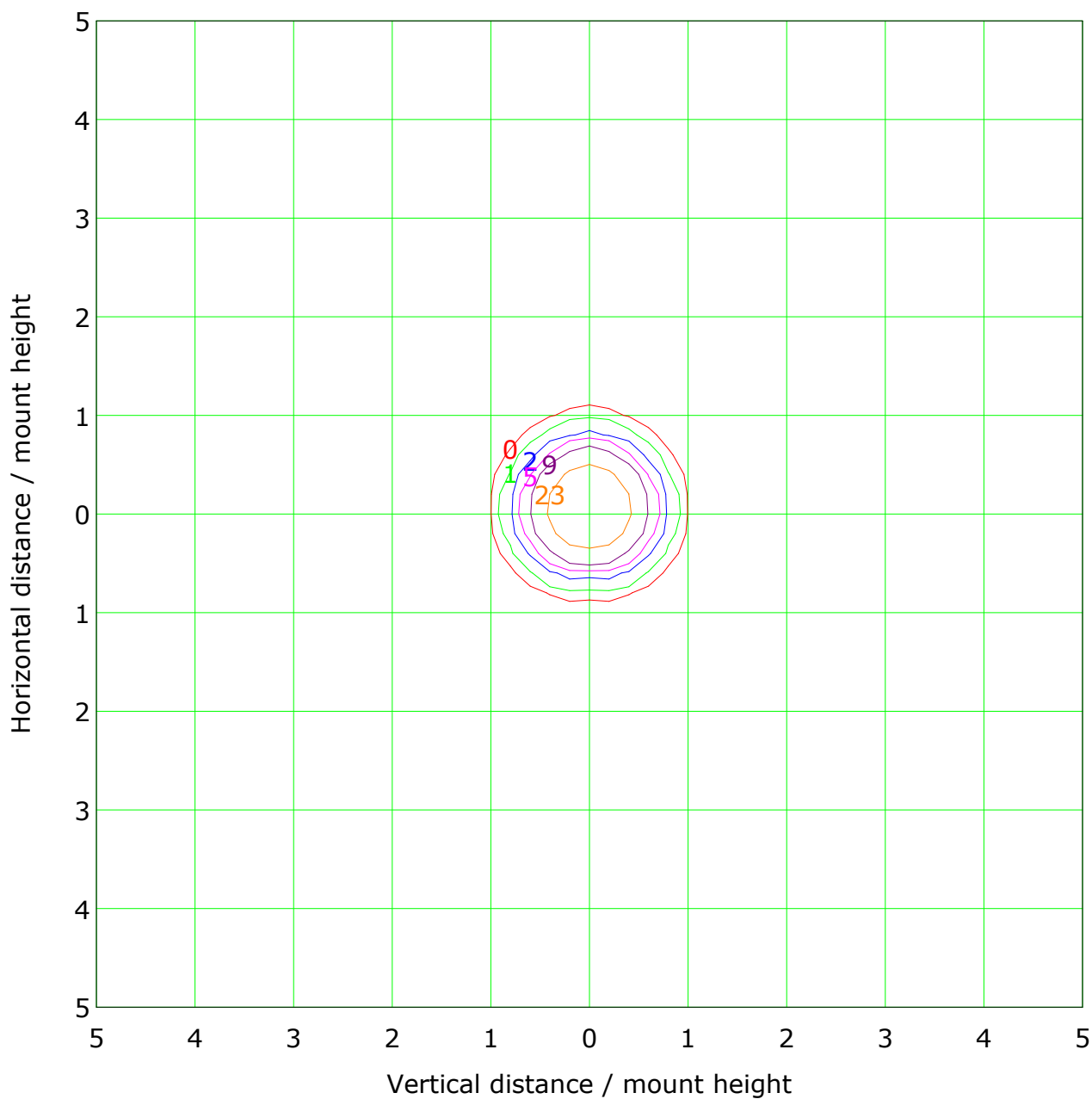
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



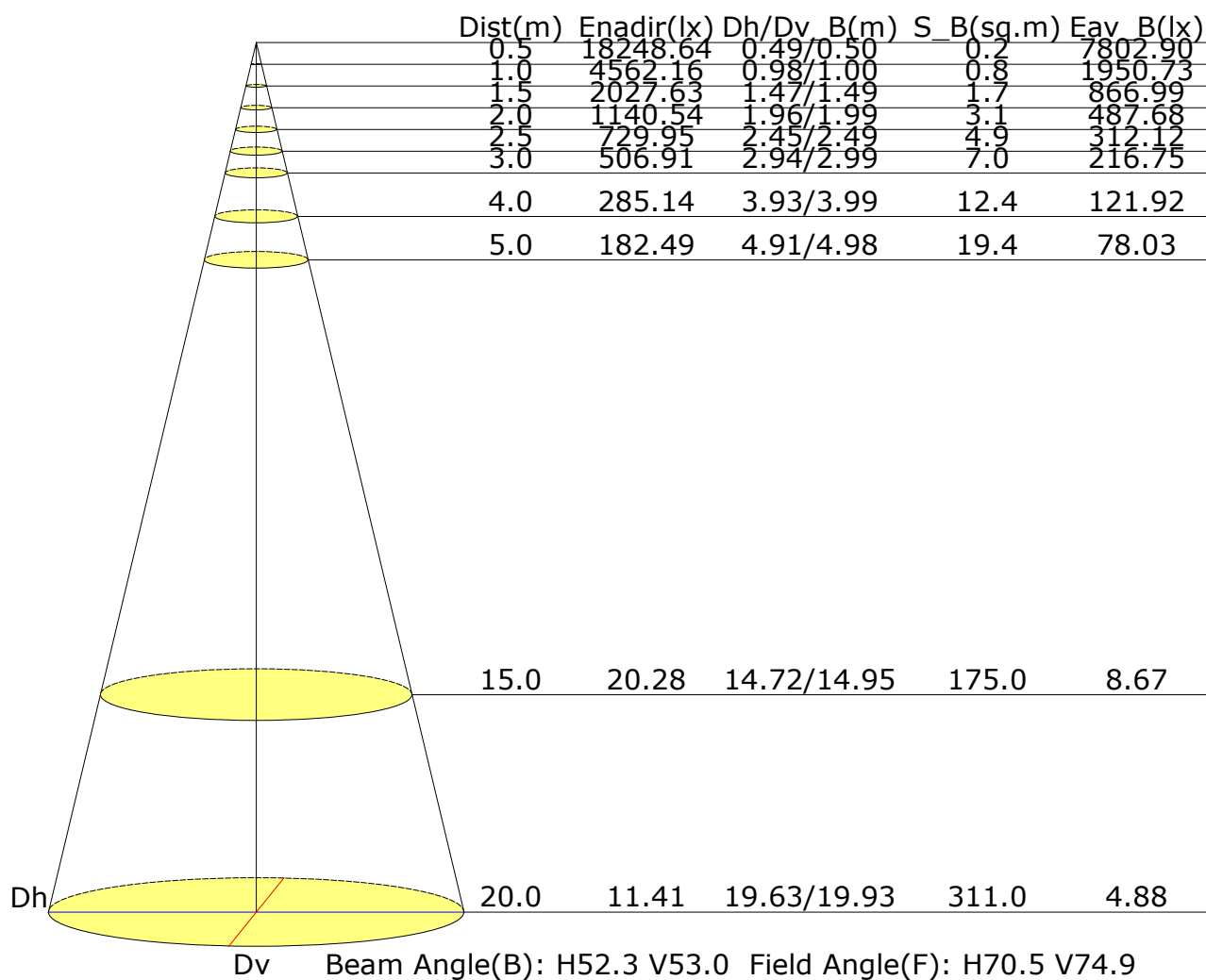
Mounting Height: 10.0m Max Lux(100%): 46.2 lx

(1%): 0.5 lx	(2%): 0.9 lx
(5%): 2.3 lx	(10%): 4.6 lx
(20%): 9.2 lx	(50%): 23.1 lx
(100%): 46.2 lx	

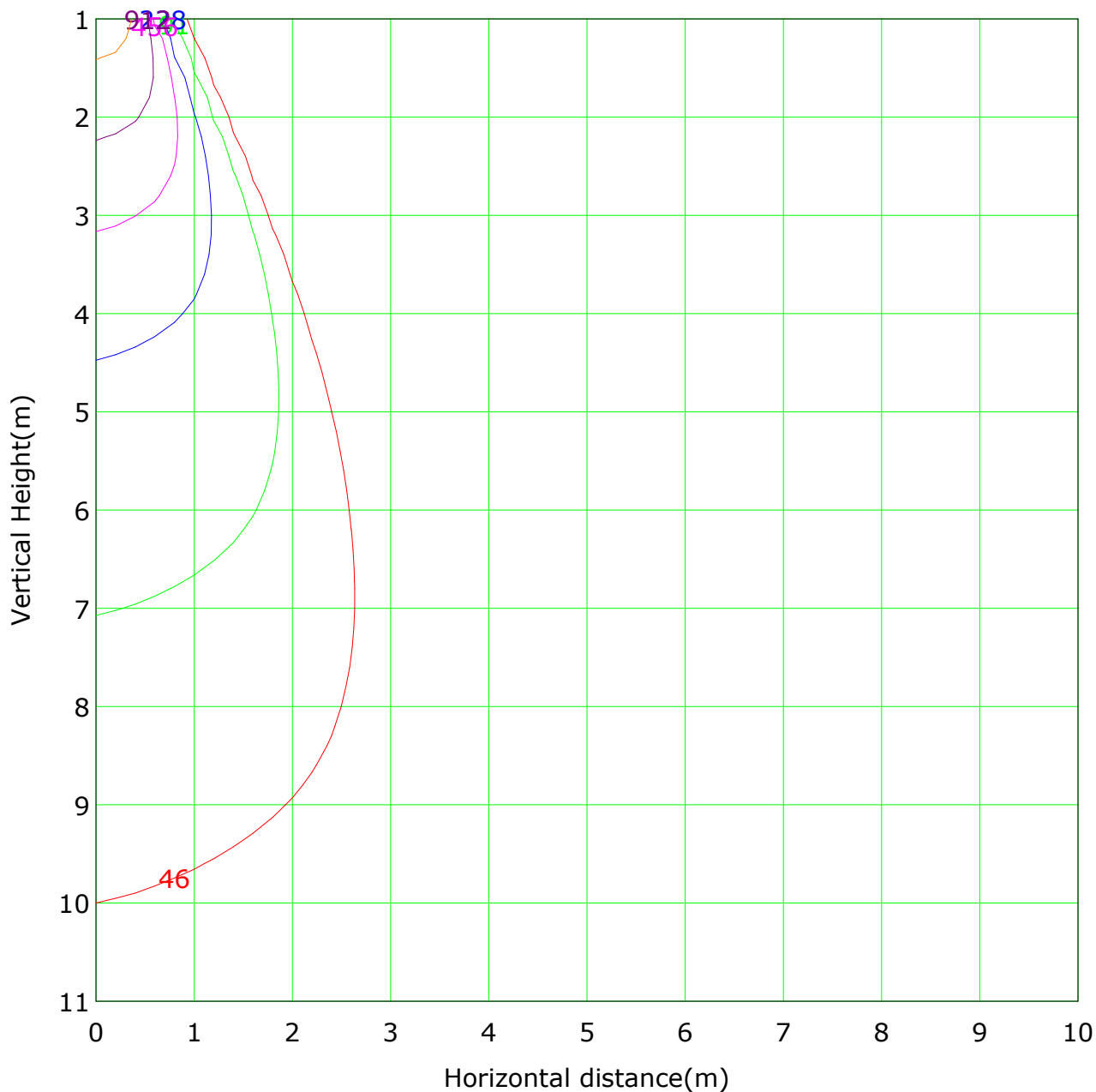
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4562.2 lx

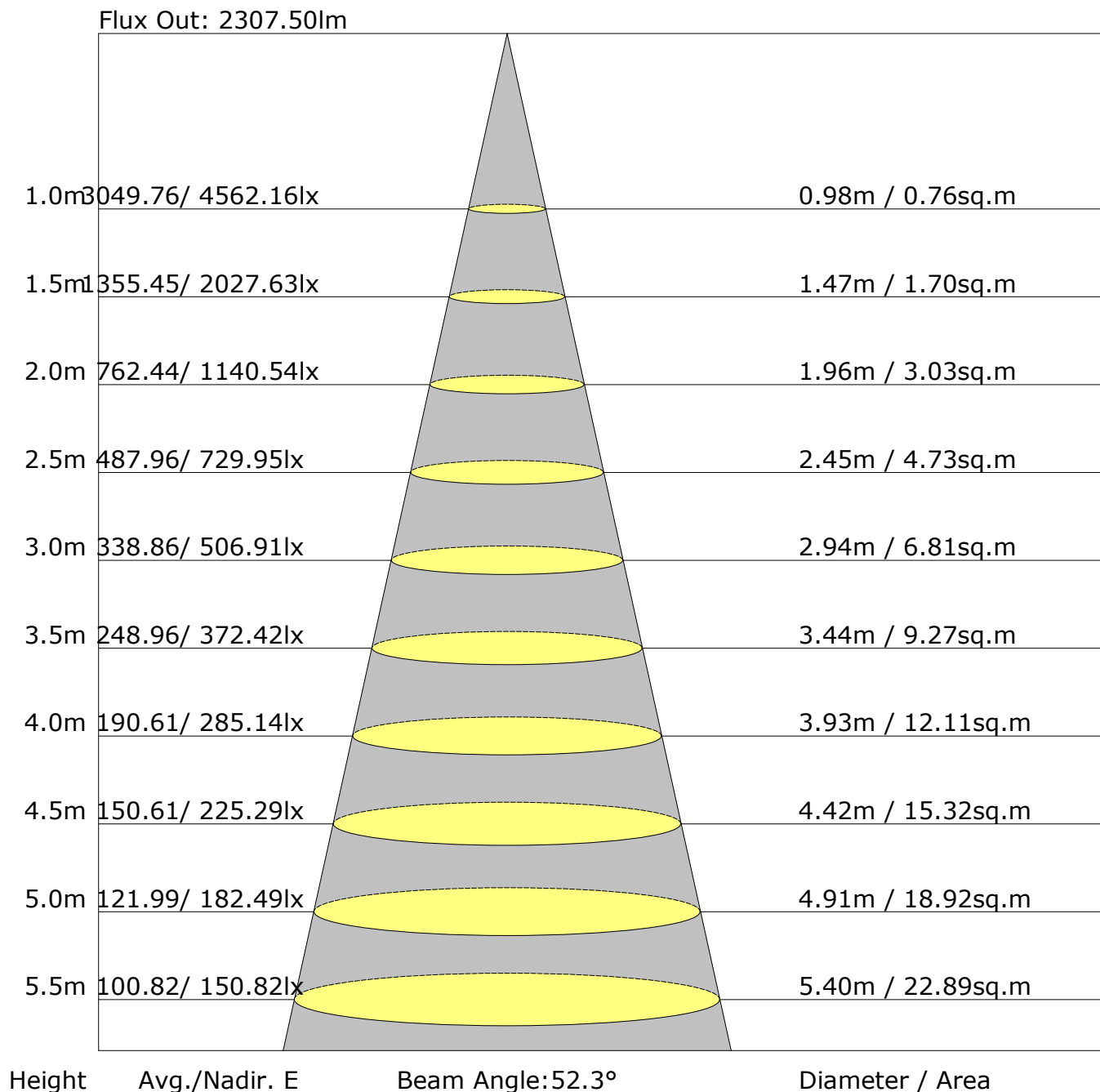
(1%): 45.6 lx	(2%): 91.2 lx
(5%): 228.1 lx	(10%): 456.2 lx
(20%): 912.4 lx	(50%): 2281.1 lx
(100%): 4562.2 lx	

C Plane (°): 0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	16.0	16.8	16.2	17.0	17.2	20.6	21.4	20.8	21.6	21.8
3H	15.8	16.6	16.1	16.8	17.0	20.4	21.1	20.7	21.4	21.6
4H	15.8	16.4	16.1	16.7	17.0	20.4	21.0	20.7	21.3	21.6
6H	15.7	16.3	16.0	16.6	16.9	20.3	20.9	20.6	21.2	21.5
8H	15.6	16.2	16.0	16.5	16.8	20.2	20.8	20.6	21.1	21.4
12H	15.6	16.2	16.0	16.5	16.8	20.2	20.8	20.6	21.1	21.4
X=4H Y=2H	15.8	16.5	16.1	16.7	17.0	20.4	21.0	20.7	21.3	21.6
3H	15.6	16.2	16.0	16.5	16.8	20.2	20.8	20.6	21.1	21.4
4H	15.5	16.0	15.9	16.4	16.7	20.1	20.6	20.5	21.0	21.3
6H	15.5	15.9	15.9	16.3	16.7	20.0	20.5	20.4	20.9	21.2
8H	15.4	15.8	15.8	16.2	16.6	20.0	20.4	20.4	20.8	21.2
12H	15.4	15.7	15.8	16.1	16.6	19.9	20.3	20.4	20.7	21.2
X=8H Y=4H	15.4	15.8	15.8	16.2	16.6	20.0	20.4	20.4	20.8	21.2
6H	15.3	15.6	15.8	16.1	16.5	19.9	20.2	20.4	20.7	21.1
8H	15.3	15.6	15.7	16.0	16.5	19.9	20.1	20.3	20.6	21.1
12H	15.2	15.5	15.7	15.9	16.4	19.8	20.1	20.3	20.5	21.0
X=12H Y=4H	15.4	15.7	15.8	16.1	16.6	19.9	20.3	20.4	20.7	21.2
6H	15.3	15.6	15.7	16.0	16.5	19.9	20.1	20.3	20.6	21.1
8H	15.2	15.5	15.7	15.9	16.4	19.8	20.1	20.3	20.5	21.0
Variations with the observer position at spacings:										
S=1.0H	+4.5/-12.7					+5.9/-11.5				
S=1.5H	+7.2/-27.9					+8.7/-21.3				
S=2.0H	+9.2/-42.1					+10.7/-28.2				

Calculate in accordance with CIE Pub.117. The table is revised with 3311lm ($8\log(F/F_0) = 4.2$).

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1396	42.2
	FL (0°-30°)	1191	36.0
	FM (30°-60°)	204	6.2
	FH (60°-80°)	1	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	1914	57.8
	BL (0°-30°)	1503	45.4
	BM (30°-60°)	410	12.4
	BH (60°-80°)	2	0.1
	BVH (80°-90°)	0	0.0
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U0 G0

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4561.0	4.4	4.4	0.13	0.13
1.0-2.0	4558.0	13.1	17.4	0.40	0.53
2.0-3.0	4550.1	21.8	39.2	0.66	1.18
3.0-4.0	4536.9	30.4	69.6	0.92	2.10
4.0-5.0	4519.6	38.9	108.5	1.17	3.28
5.0-6.0	4498.8	47.3	155.8	1.43	4.70
6.0-7.0	4475.5	55.6	211.3	1.68	6.38
7.0-8.0	4446.4	63.6	275.0	1.92	8.31
8.0-9.0	4411.8	71.5	346.5	2.16	10.47
9.0-10.0	4371.1	79.1	425.6	2.39	12.85
10.0-11.0	4324.0	86.4	512.0	2.61	15.46
11.0-12.0	4271.2	93.4	605.4	2.82	18.29
12.0-13.0	4212.0	100.0	705.3	3.02	21.30
13.0-14.0	4146.4	106.1	811.5	3.21	24.51
14.0-15.0	4072.2	111.8	923.3	3.38	27.89
15.0-16.0	3987.4	116.9	1040.2	3.53	31.42
16.0-17.0	3889.4	121.1	1161.3	3.66	35.08
17.0-18.0	3777.4	124.6	1285.9	3.76	38.84
18.0-19.0	3653.8	127.1	1413.0	3.84	42.68
19.0-20.0	3517.7	128.8	1541.8	3.89	46.57
20.0-21.0	3368.9	129.4	1671.1	3.91	50.48
21.0-22.0	3209.8	129.0	1800.1	3.90	54.37
22.0-23.0	3039.8	127.6	1927.7	3.85	58.23
23.0-24.0	2860.8	125.1	2052.8	3.78	62.00
24.0-25.0	2675.0	121.6	2174.4	3.67	65.68
25.0-26.0	2480.8	117.1	2291.6	3.54	69.22
26.0-27.0	2277.3	111.4	2403.0	3.37	72.58
27.0-28.0	2066.6	104.6	2507.6	3.16	75.74
28.0-29.0	1855.5	97.1	2604.7	2.93	78.68
29.0-30.0	1650.9	89.1	2693.9	2.69	81.37
30.0-31.0	1456.0	81.0	2774.9	2.45	83.82
31.0-32.0	1274.7	73.0	2848.0	2.21	86.02
32.0-33.0	1107.4	65.2	2913.2	1.97	87.99
33.0-34.0	951.0	57.6	2970.8	1.74	89.73
34.0-35.0	807.0	50.1	3020.9	1.51	91.25
35.0-36.0	675.4	43.0	3063.9	1.30	92.55

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	556.3	36.3	3100.2	1.10	93.64
37.0-38.0	453.8	30.3	3130.5	0.92	94.56
38.0-39.0	370.1	25.3	3155.7	0.76	95.32
39.0-40.0	302.3	21.1	3176.8	0.64	95.96
40.0-41.0	250.6	17.9	3194.7	0.54	96.50
41.0-42.0	211.1	15.3	3210.0	0.46	96.96
42.0-43.0	178.7	13.2	3223.3	0.40	97.36
43.0-44.0	153.8	11.6	3234.9	0.35	97.71
44.0-45.0	133.4	10.3	3245.1	0.31	98.02
45.0-46.0	115.7	9.1	3254.2	0.27	98.29
46.0-47.0	100.6	8.0	3262.2	0.24	98.53
47.0-48.0	87.8	7.1	3269.3	0.21	98.75
48.0-49.0	76.9	6.3	3275.6	0.19	98.94
49.0-50.0	66.7	5.6	3281.2	0.17	99.11
50.0-51.0	56.9	4.8	3286.0	0.15	99.25
51.0-52.0	48.6	4.2	3290.1	0.13	99.38
52.0-53.0	41.8	3.6	3293.8	0.11	99.49
53.0-54.0	36.6	3.2	3297.0	0.10	99.59
54.0-55.0	31.3	2.8	3299.8	0.08	99.67
55.0-56.0	25.3	2.3	3302.1	0.07	99.74
56.0-57.0	20.7	1.9	3304.0	0.06	99.80
57.0-58.0	16.6	1.5	3305.5	0.05	99.84
58.0-59.0	12.4	1.2	3306.7	0.04	99.88
59.0-60.0	9.4	0.9	3307.6	0.03	99.91
60.0-61.0	7.2	0.7	3308.3	0.02	99.93
61.0-62.0	5.3	0.5	3308.8	0.02	99.94
62.0-63.0	4.1	0.4	3309.2	0.01	99.95
63.0-64.0	3.8	0.4	3309.5	0.01	99.96
64.0-65.0	3.0	0.3	3309.8	0.01	99.97
65.0-66.0	2.3	0.2	3310.1	0.01	99.98
66.0-67.0	2.3	0.2	3310.3	0.01	99.99
67.0-68.0	1.5	0.2	3310.4	0.00	99.99
68.0-69.0	1.1	0.1	3310.6	0.00	100.00
69.0-70.0	1.1	0.1	3310.7	0.00	100.00
70.0-71.0	0.4	0.0	3310.7	0.00	100.00
71.0-72.0	0.0	0.0	3310.7	0.00	100.00

C Plane (°):0.0-180.0: 180.0
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Test Device: CHL-6E
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Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	4562.2	4562.2								
G1.0	4527.5	4592.3								
G2.0	4491.3	4621.0								
G3.0	4446.1	4642.1								
G4.0	4400.8	4658.6								
G5.0	4345.1	4673.7								
G6.0	4295.3	4681.3								
G7.0	4236.5	4688.8								
G8.0	4174.7	4685.8								
G9.0	4109.9	4676.7								
G10.0	4039.0	4658.6								
G11.0	3962.1	4636.0								
G12.0	3879.2	4607.4								
G13.0	3784.2	4577.2								
G14.0	3680.2	4544.1								
G15.0	3559.6	4504.9								
G16.0	3425.4	4459.6								
G17.0	3265.6	4406.9								
G18.0	3090.7	4346.6								
G19.0	2899.2	4278.7								
G20.0	2691.2	4201.8								
G21.0	2468.0	4114.4								
G22.0	2241.9	4014.9								
G23.0	2005.2	3897.3								
G24.0	1776.0	3764.6								
G25.0	1548.4	3610.8								
G26.0	1326.7	3437.4								
G27.0	1109.6	3235.4								
G28.0	904.6	3016.8								
G29.0	719.2	2781.6								
G30.0	568.4	2534.4								
G31.0	446.3	2275.1								
G32.0	358.8	2018.8								
G33.0	291.0	1760.9								
G34.0	244.2	1507.7								
G35.0	209.6	1266.4								
G36.0	180.9	1044.8								

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Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	156.8	842.8								
G38.0	141.7	673.9								
G39.0	123.6	541.3								
G40.0	108.6	435.7								
G41.0	96.5	361.8								
G42.0	84.4	301.5								
G43.0	72.4	256.3								
G44.0	64.8	221.6								
G45.0	54.3	193.0								
G46.0	48.2	167.4								
G47.0	39.2	147.8								
G48.0	33.2	131.2								
G49.0	27.1	116.1								
G50.0	22.6	101.0								
G51.0	15.1	88.9								
G52.0	12.1	78.4								
G53.0	10.6	66.3								
G54.0	10.6	58.8								
G55.0	7.5	48.2								
G56.0	4.5	40.7								
G57.0	4.5	33.2								
G58.0	3.0	25.6								
G59.0	1.5	19.6								
G60.0	3.0	13.6								
G61.0	0.0	12.1								
G62.0	0.0	9.1								
G63.0	0.0	7.5								
G64.0	0.0	7.5								
G65.0	0.0	4.5								
G66.0	0.0	4.5								
G67.0	0.0	4.5								
G68.0	0.0	1.5								
G69.0	0.0	3.0								
G70.0	0.0	1.5								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Unit: cd

Inspector: