

Report No.:

Test Time: 2026-09-28 18:14

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 60D

Luminous Length (mm): -76

Voltage: 230.8 V

Power: 35.90 W

Lamp Description: BLX V13C F90 3000K

Luminous Width (mm): -76

Current: 0.161 A

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 4105.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H58

Vertical Diffuse Angle(50%): V58

Luminaire Efficacy Rating (LER): 114.40

Max. Intensity: 4464.71 cd

S/MH(C0/C180): 0.95

Total Rated Lamp Lumens: 4105.2 lm

Efficiency: 100%

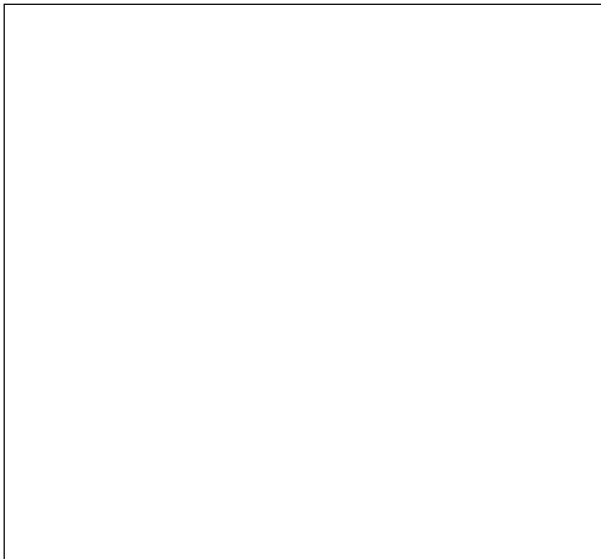
Upward Ratio: 0%

Central Intensity: 4450.6 cd

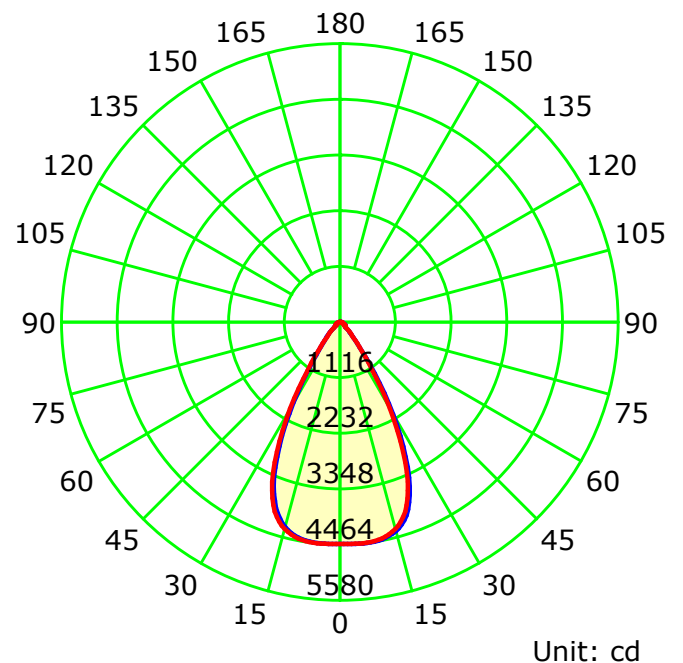
Pos of Max. Intensity: H0 V7

S/MH(C90/C270): 0.95

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

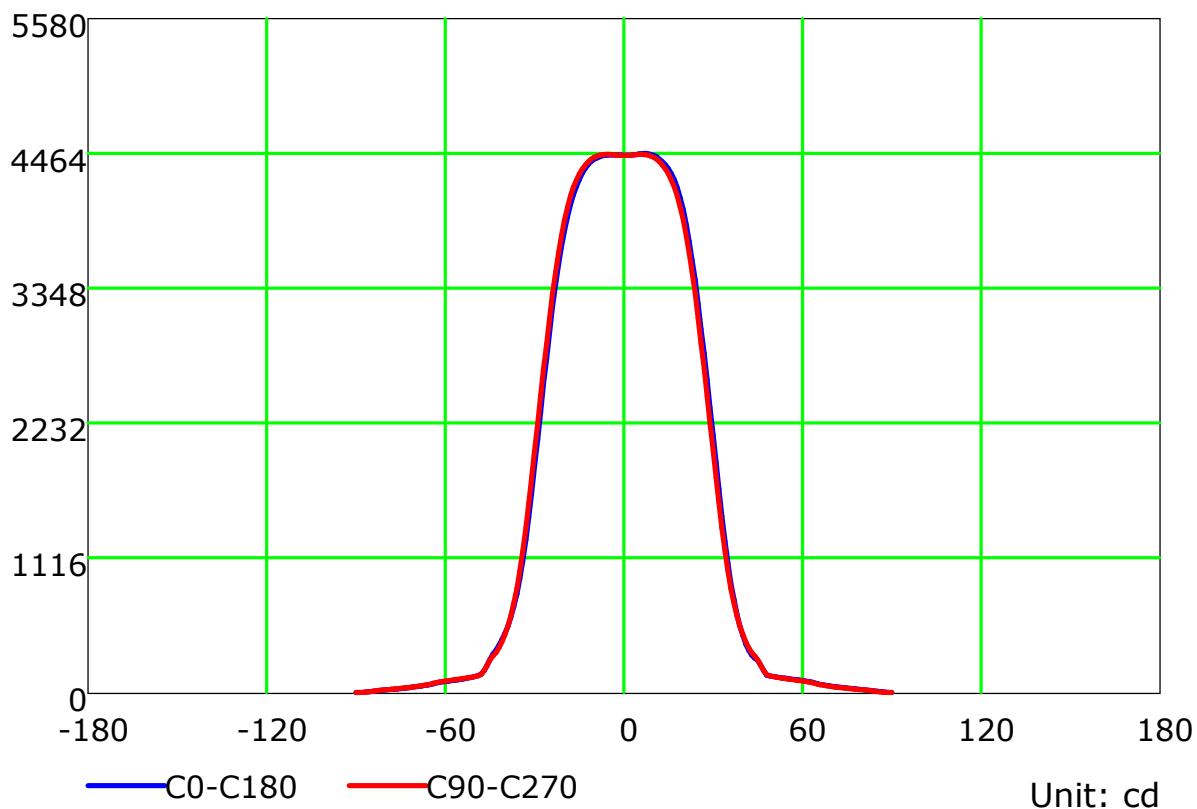
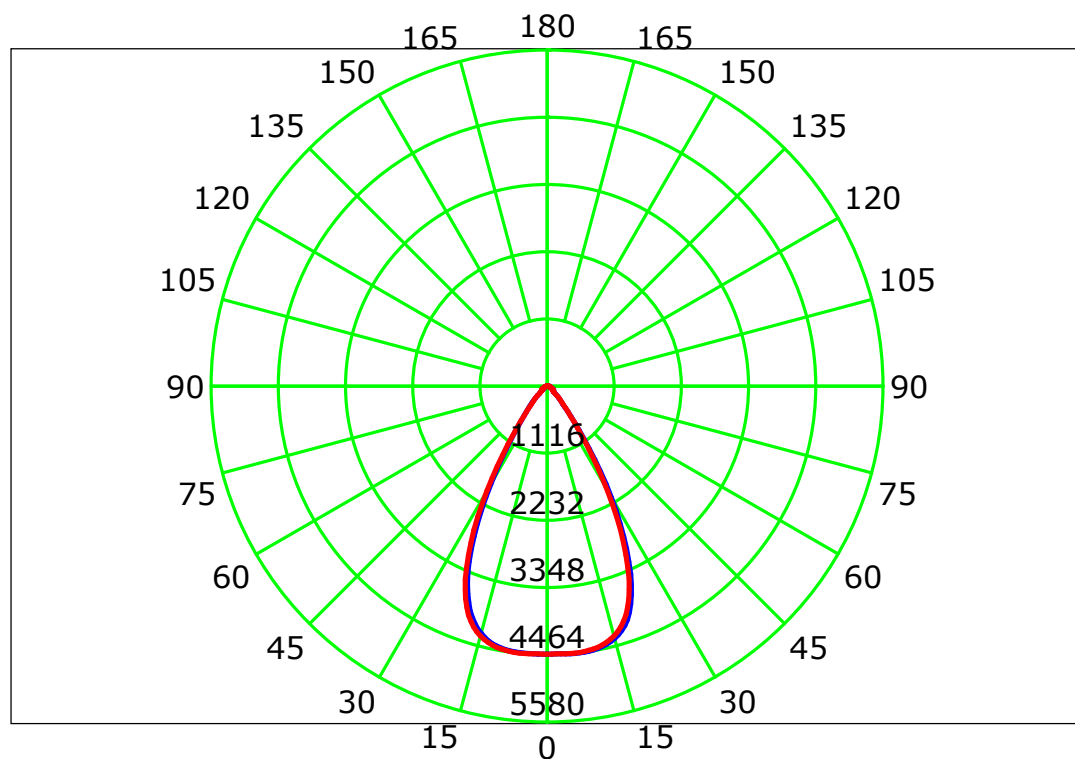
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

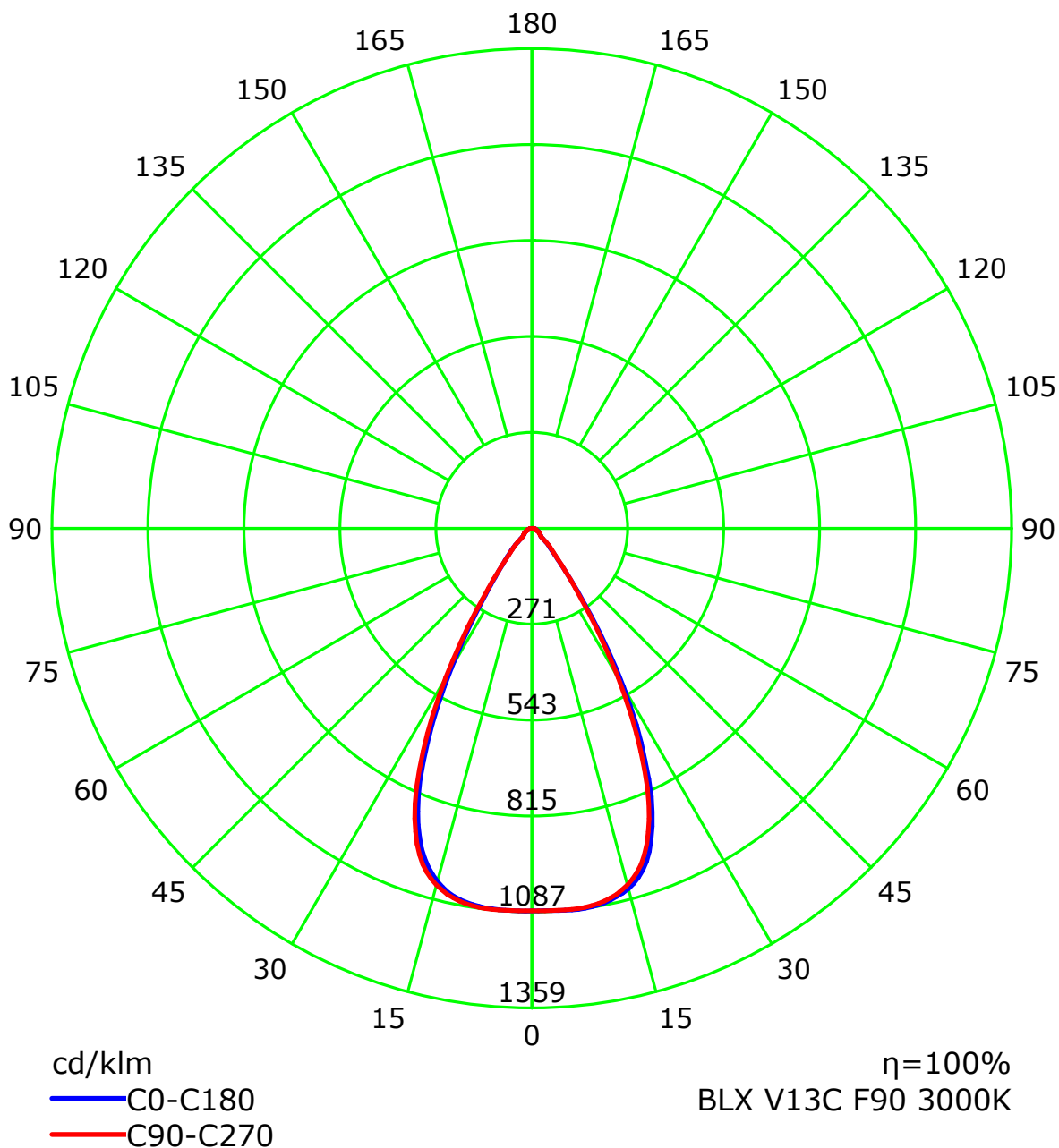
Luminous Intensity Distribution Curve



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:

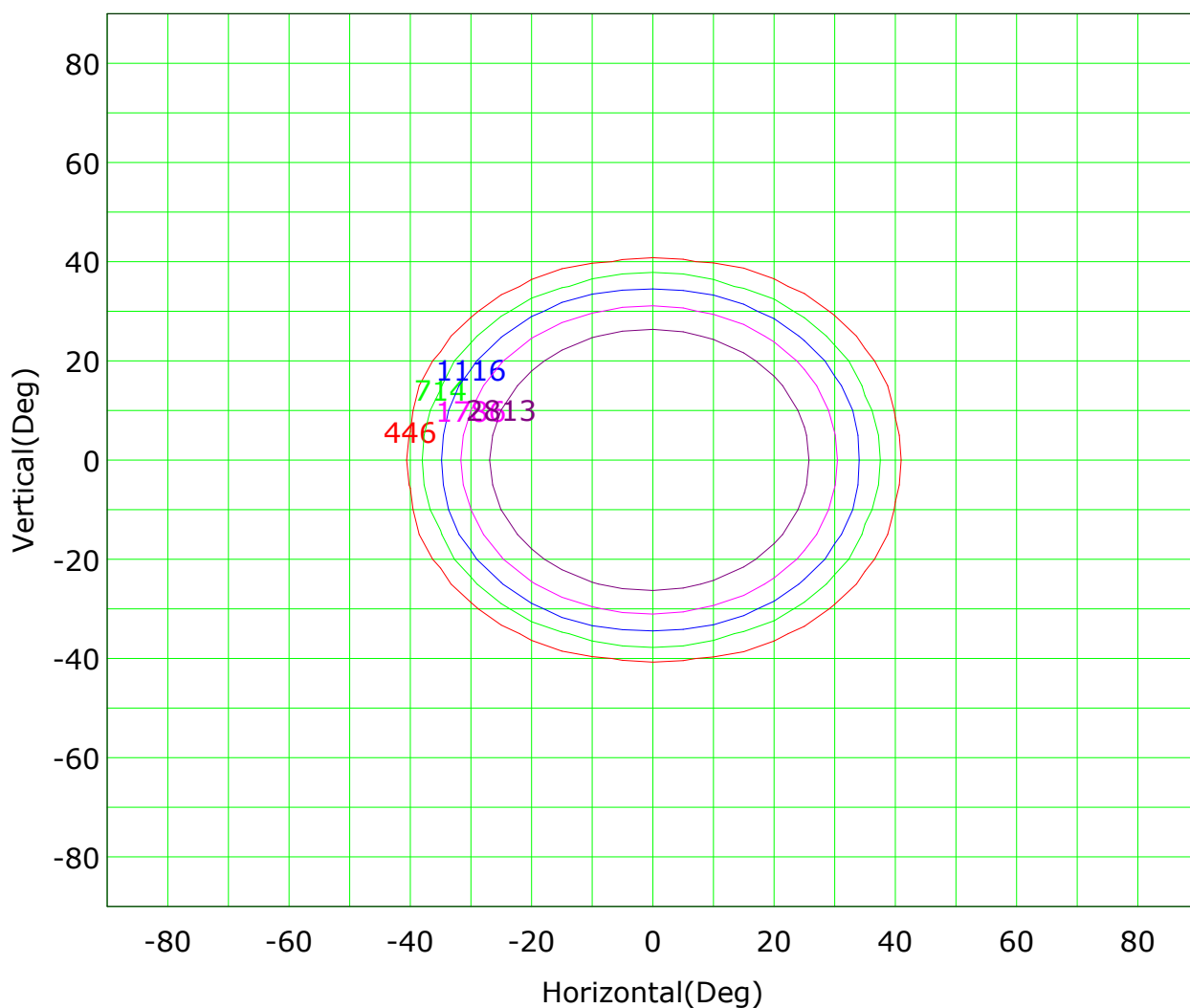
Luminous Intensity Distribution Curve(cd/klm)



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%): 4465 cd

(10%): 446 cd	(16%): 714 cd
(25%): 1116 cd	(40%): 1786 cd
(63%): 2813 cd	(100%): 4465 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

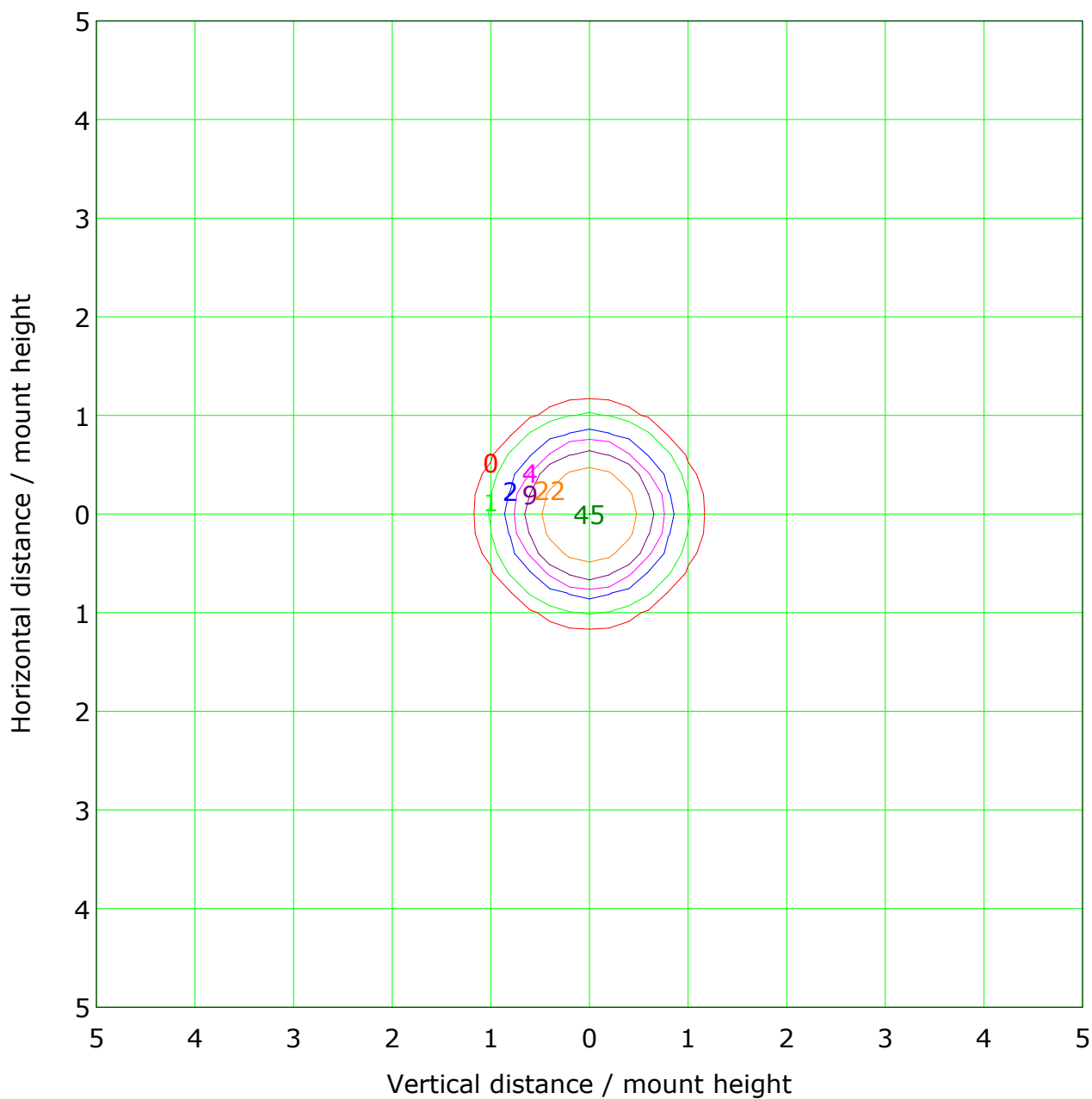
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot

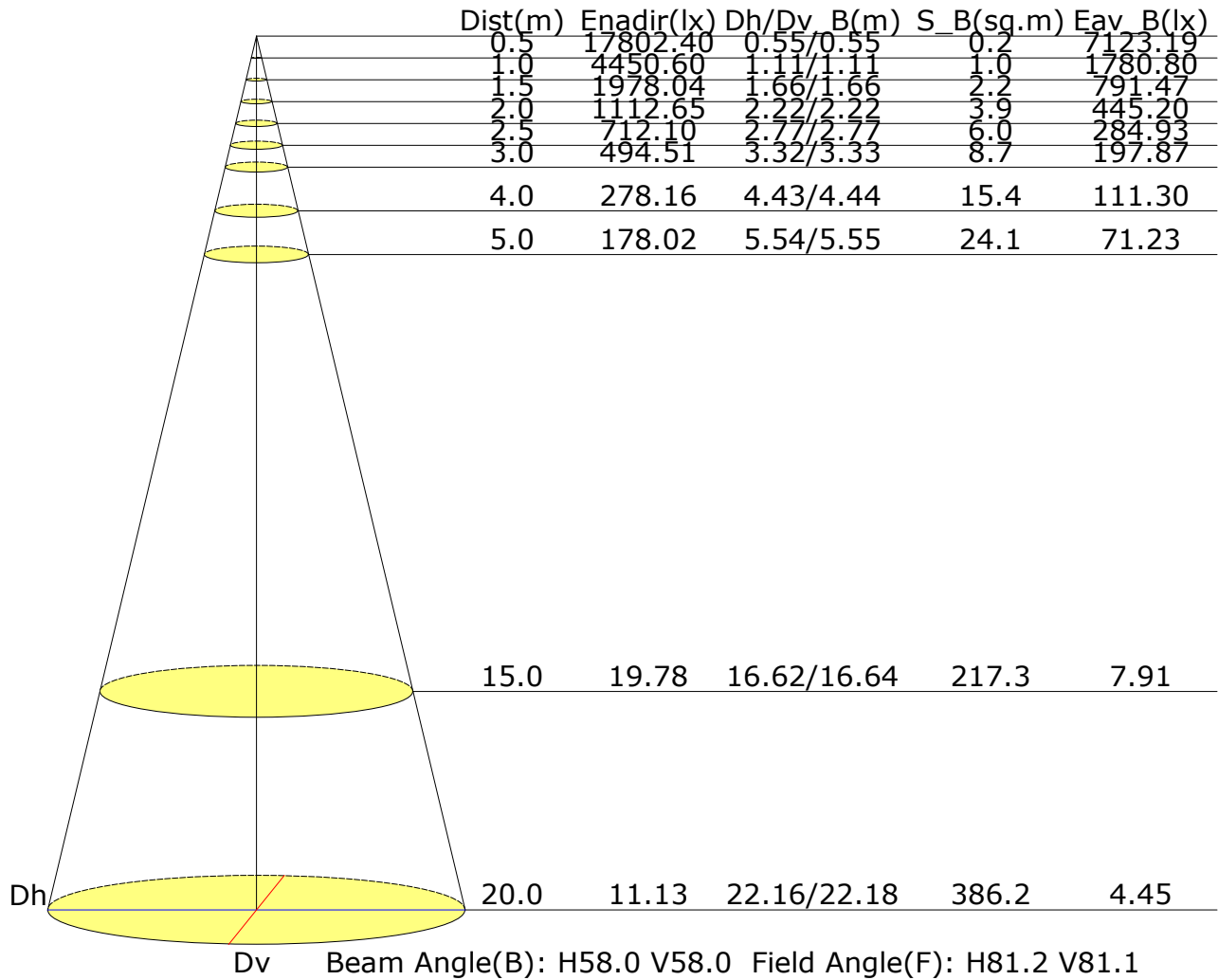


Mounting Height: 10.0m		Max Lux(100%): 44.5 lx	
— (1%):	0.4 lx	— (2%):	0.9 lx
— (5%):	2.2 lx	— (10%):	4.5 lx
— (20%):	8.9 lx	— (50%):	22.3 lx
— (100%):	44.5 lx		

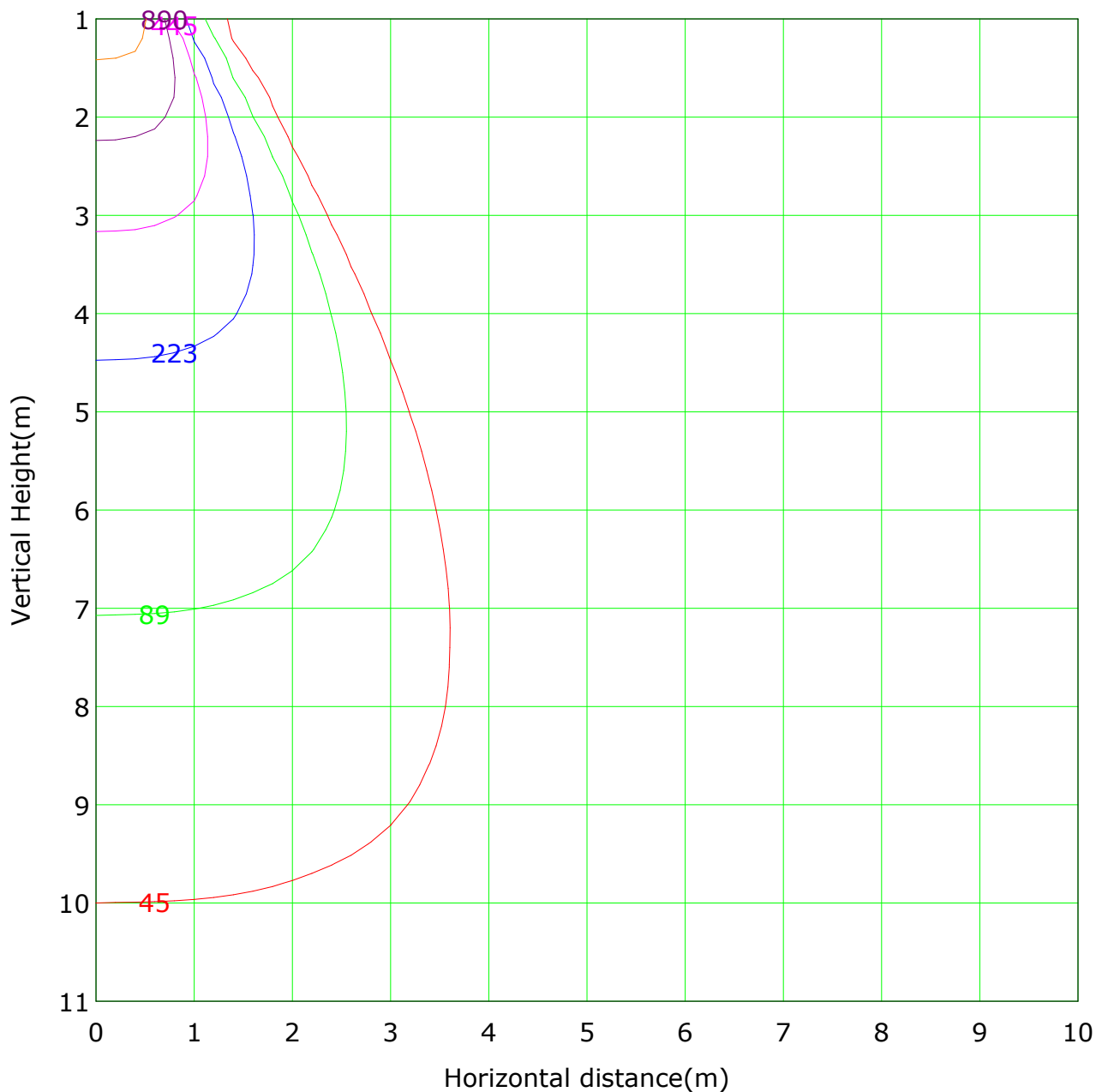
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



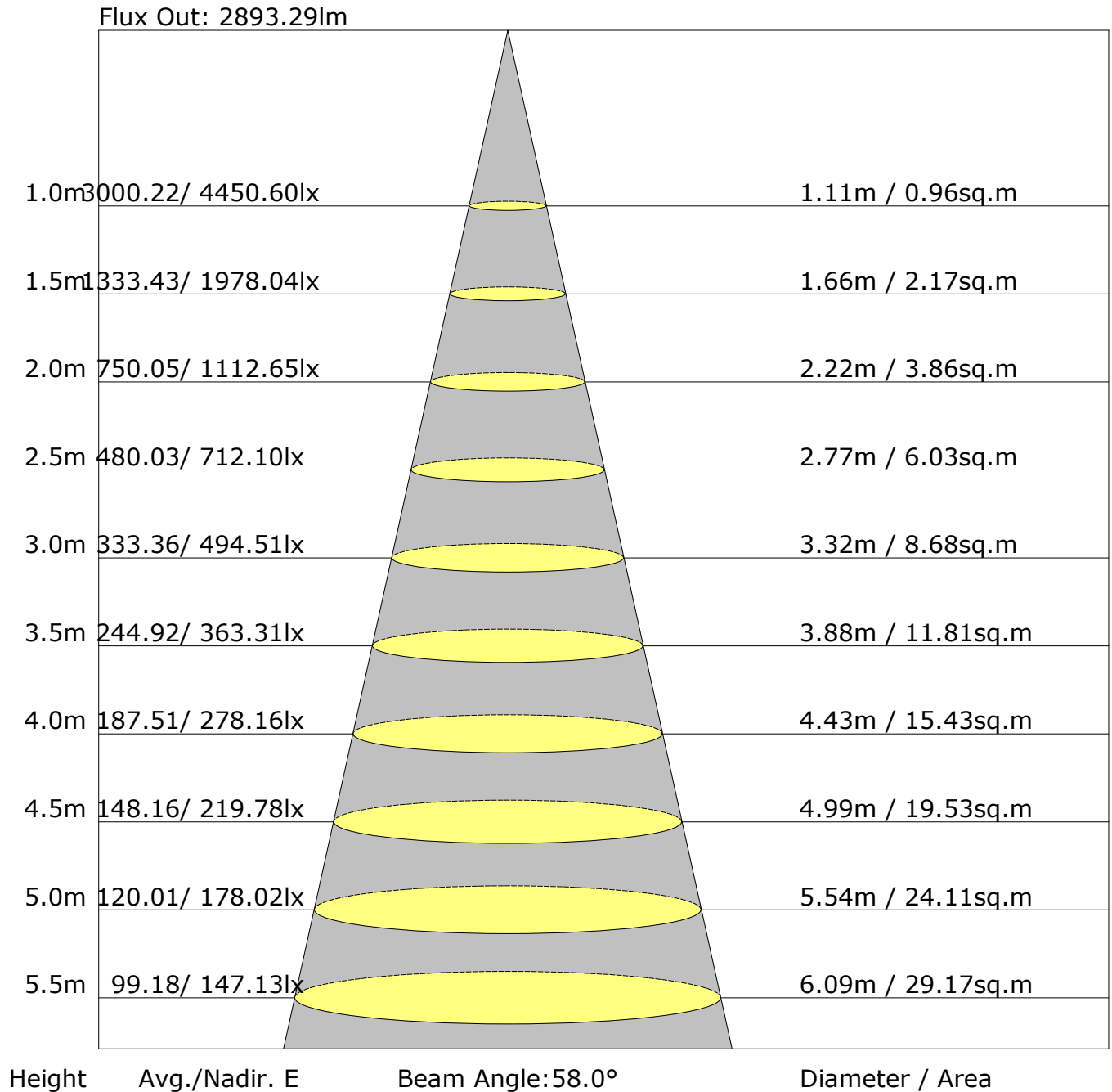
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4450.6 lx
— (1%): 44.5 lx — (2%): 89.0 lx
— (5%): 222.5 lx — (10%): 445.1 lx
— (20%): 890.1 lx — (50%): 2225.3 lx
— (100%): 4450.6 lx

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



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:

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	23.5	24.4	23.8	24.6	24.8	23.4	24.2	23.6	24.5	24.7
3H	23.9	24.7	24.2	24.9	25.2	23.7	24.5	24.0	24.8	25.0
4H	24.1	24.8	24.4	25.1	25.4	23.9	24.6	24.2	24.9	25.2
6H	24.3	25.0	24.6	25.2	25.5	24.1	24.7	24.4	25.0	25.3
8H	24.3	25.0	24.7	25.3	25.6	24.1	24.8	24.5	25.1	25.4
12H	24.4	25.0	24.7	25.3	25.7	24.2	24.8	24.5	25.1	25.4
X=4H Y=2H	23.6	24.4	23.9	24.6	24.9	23.4	24.2	23.8	24.5	24.7
3H	24.1	24.8	24.5	25.1	25.4	23.9	24.6	24.3	24.9	25.2
4H	24.4	25.0	24.8	25.3	25.7	24.2	24.8	24.6	25.1	25.5
6H	24.7	25.2	25.1	25.6	26.0	24.5	25.0	24.9	25.4	25.8
8H	24.8	25.3	25.3	25.7	26.1	24.6	25.1	25.0	25.5	25.9
12H	24.9	25.3	25.4	25.7	26.2	24.7	25.1	25.1	25.5	25.9
X=8H Y=4H	24.5	24.9	24.9	25.3	25.7	24.3	24.8	24.7	25.2	25.6
6H	24.9	25.3	25.3	25.7	26.1	24.7	25.1	25.2	25.5	26.0
8H	25.1	25.4	25.6	25.9	26.3	24.9	25.2	25.4	25.7	26.1
12H	25.3	25.5	25.7	26.0	26.5	25.0	25.3	25.5	25.8	26.3
X=12H Y=4H	24.5	24.9	24.9	25.3	25.7	24.3	24.7	24.7	25.1	25.6
6H	24.9	25.2	25.4	25.7	26.2	24.7	25.1	25.2	25.5	26.0
8H	25.1	25.4	25.6	25.9	26.4	24.9	25.2	25.4	25.7	26.2
Variations with the observer position at spacings:										
S=1.0H	+3.2/-1.8					+3.0/-1.8				
S=1.5H	+5.4/-2.1					+5.2/-2.1				
S=2.0H	+7.2/-2.8					+7.0/-2.8				

Calculate in accordance with CIE Pub.117. The table is revised with 4105lm ($8\log(F/F_0) = 4.9$).

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	2080	50.7
	FL (0°-30°)	1522	37.1
	FM (30°-60°)	496	12.1
	FH (60°-80°)	56	1.4
	FVH (80°-90°)	6	0.2
	BACK LIGHT	2025	49.3
	BL (0°-30°)	1487	36.2
	BM (30°-60°)	479	11.7
	BH (60°-80°)	54	1.3
	BVH (80°-90°)	6	0.1
	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	4450.9	4.3	4.3	0.10	0.10
1.0-2.0	4451.3	12.8	17.0	0.31	0.42
2.0-3.0	4452.3	21.3	38.3	0.52	0.93
3.0-4.0	4454.1	29.8	68.2	0.73	1.66
4.0-5.0	4456.2	38.3	106.5	0.93	2.59
5.0-6.0	4457.4	46.8	153.3	1.14	3.74
6.0-7.0	4457.0	55.3	208.7	1.35	5.08
7.0-8.0	4454.0	63.8	272.4	1.55	6.64
8.0-9.0	4447.9	72.1	344.5	1.76	8.39
9.0-10.0	4439.2	80.3	424.9	1.96	10.35
10.0-11.0	4426.4	88.5	513.3	2.15	12.50
11.0-12.0	4407.9	96.4	609.7	2.35	14.85
12.0-13.0	4383.6	104.0	713.7	2.53	17.39
13.0-14.0	4353.5	111.4	825.2	2.71	20.10
14.0-15.0	4316.0	118.5	943.7	2.89	22.99
15.0-16.0	4270.5	125.1	1068.8	3.05	26.04
16.0-17.0	4214.9	131.3	1200.1	3.20	29.23
17.0-18.0	4146.8	136.7	1336.9	3.33	32.56
18.0-19.0	4064.7	141.4	1478.3	3.45	36.01
19.0-20.0	3964.4	145.1	1623.4	3.53	39.55
20.0-21.0	3845.7	147.7	1771.1	3.60	43.14
21.0-22.0	3712.5	149.2	1920.3	3.63	46.78
22.0-23.0	3563.2	149.5	2069.8	3.64	50.42
23.0-24.0	3395.0	148.5	2218.3	3.62	54.04
24.0-25.0	3204.0	145.7	2364.0	3.55	57.59
25.0-26.0	2996.4	141.5	2505.5	3.45	61.03
26.0-27.0	2787.2	136.4	2641.8	3.32	64.35
27.0-28.0	2570.7	130.2	2772.0	3.17	67.52
28.0-29.0	2344.2	122.7	2894.7	2.99	70.51
29.0-30.0	2118.4	114.4	3009.1	2.79	73.30
30.0-31.0	1894.3	105.4	3114.5	2.57	75.87
31.0-32.0	1676.8	96.1	3210.6	2.34	78.21
32.0-33.0	1467.8	86.5	3297.1	2.11	80.31
33.0-34.0	1267.0	76.7	3373.7	1.87	82.18
34.0-35.0	1089.7	67.7	3441.4	1.65	83.83
35.0-36.0	936.6	59.6	3501.1	1.45	85.28

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	802.8	52.4	3553.4	1.28	86.56
37.0-38.0	690.0	46.1	3599.5	1.12	87.68
38.0-39.0	594.9	40.6	3640.1	0.99	88.67
39.0-40.0	515.8	36.0	3676.1	0.88	89.55
40.0-41.0	449.7	32.0	3708.1	0.78	90.33
41.0-42.0	395.8	28.8	3736.9	0.70	91.03
42.0-43.0	352.5	26.1	3763.0	0.64	91.66
43.0-44.0	318.1	24.0	3787.0	0.58	92.25
44.0-45.0	287.5	22.1	3809.1	0.54	92.79
45.0-46.0	250.2	19.6	3828.7	0.48	93.26
46.0-47.0	204.6	16.3	3845.0	0.40	93.66
47.0-48.0	165.6	13.4	3858.3	0.33	93.99
48.0-49.0	145.0	11.9	3870.3	0.29	94.28
49.0-50.0	136.5	11.4	3881.6	0.28	94.55
50.0-51.0	131.0	11.1	3892.7	0.27	94.82
51.0-52.0	126.8	10.9	3903.6	0.26	95.09
52.0-53.0	122.7	10.7	3914.3	0.26	95.35
53.0-54.0	118.8	10.5	3924.8	0.26	95.60
54.0-55.0	115.1	10.3	3935.0	0.25	95.85
55.0-56.0	111.6	10.1	3945.1	0.25	96.10
56.0-57.0	108.1	9.9	3955.0	0.24	96.34
57.0-58.0	104.7	9.7	3964.7	0.24	96.58
58.0-59.0	101.3	9.5	3974.1	0.23	96.81
59.0-60.0	97.8	9.2	3983.4	0.23	97.03
60.0-61.0	94.3	9.0	3992.4	0.22	97.25
61.0-62.0	90.7	8.7	4001.1	0.21	97.46
62.0-63.0	86.2	8.4	4009.5	0.20	97.67
63.0-64.0	80.3	7.9	4017.4	0.19	97.86
64.0-65.0	74.1	7.3	4024.7	0.18	98.04
65.0-66.0	68.5	6.8	4031.6	0.17	98.21
66.0-67.0	63.7	6.4	4038.0	0.16	98.36
67.0-68.0	59.6	6.0	4044.0	0.15	98.51
68.0-69.0	55.7	5.7	4049.7	0.14	98.65
69.0-70.0	52.0	5.3	4055.0	0.13	98.78
70.0-71.0	48.7	5.0	4060.1	0.12	98.90
71.0-72.0	45.6	4.7	4064.8	0.12	99.02

C Plane (°):0.0-180.0: 180.0
Test Lab:
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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:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	4450.6	4450.6								
G1.0	4449.9	4452.5								
G2.0	4449.0	4453.9								
G3.0	4452.9	4453.5								
G4.0	4456.8	4453.3								
G5.0	4461.3	4453.3								
G6.0	4464.3	4450.8								
G7.0	4464.7	4448.2								
G8.0	4462.5	4440.5								
G9.0	4459.0	4429.6								
G10.0	4450.9	4417.1								
G11.0	4438.6	4399.1								
G12.0	4418.8	4375.1								
G13.0	4396.7	4344.0								
G14.0	4371.5	4301.8								
G15.0	4340.1	4250.8								
G16.0	4299.4	4191.8								
G17.0	4245.7	4122.7								
G18.0	4180.0	4038.9								
G19.0	4098.7	3941.2								
G20.0	3997.9	3819.7								
G21.0	3873.9	3691.2								
G22.0	3738.0	3546.9								
G23.0	3584.4	3383.3								
G24.0	3416.3	3195.9								
G25.0	3219.1	2984.8								
G26.0	3009.3	2772.3								
G27.0	2807.8	2559.4								
G28.0	2591.4	2324.2								
G29.0	2360.6	2100.8								
G30.0	2133.9	1878.3								
G31.0	1910.1	1655.0								
G32.0	1684.7	1457.4								
G33.0	1463.7	1265.2								
G34.0	1251.4	1087.6								
G35.0	1074.4	945.3								
G36.0	909.3	817.7								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	772.8	711.7								
G38.0	652.5	623.2								
G39.0	553.9	550.1								
G40.0	470.7	488.6								
G41.0	402.2	437.5								
G42.0	350.3	393.4								
G43.0	312.4	354.0								
G44.0	286.0	319.8								
G45.0	267.1	277.2								
G46.0	230.5	226.0								
G47.0	182.1	179.9								
G48.0	145.2	155.4								
G49.0	138.1	141.1								
G50.0	134.1	132.6								
G51.0	130.6	126.9								
G52.0	127.2	122.4								
G53.0	123.7	117.7								
G54.0	120.6	113.4								
G55.0	117.1	109.4								
G56.0	114.0	105.7								
G57.0	110.5	102.3								
G58.0	107.2	98.8								
G59.0	103.9	95.2								
G60.0	100.3	91.7								
G61.0	96.7	88.6								
G62.0	92.6	85.0								
G63.0	87.7	79.6								
G64.0	81.8	72.2								
G65.0	74.8	67.4								
G66.0	68.8	63.2								
G67.0	64.0	59.0								
G68.0	60.1	55.3								
G69.0	56.2	51.3								
G70.0	52.4	48.2								
G71.0	49.0	45.3								
G72.0	45.9	42.3								
G73.0	43.2	39.3								

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:

Unit: cd

Inspector: