

Report No.:AX-MG-FL-DL-27W-220

Test Time: 2025-09-23 16:32

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 长

Luminous Width (mm): -20

Current: 0.120 A

Power Factor: 0.960

Luminous Length (mm): -650

Voltage: 230.2 V

Power: 26.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2642.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H87.3

Vertical Diffuse Angle(50%): V87.3

Luminaire Efficacy Rating (LER): 99.38

Max. Intensity: 1341.29 cd

S/MH(C0/C180): 1.22

Total Rated Lamp Lumens: 2642.2 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1341.28 cd

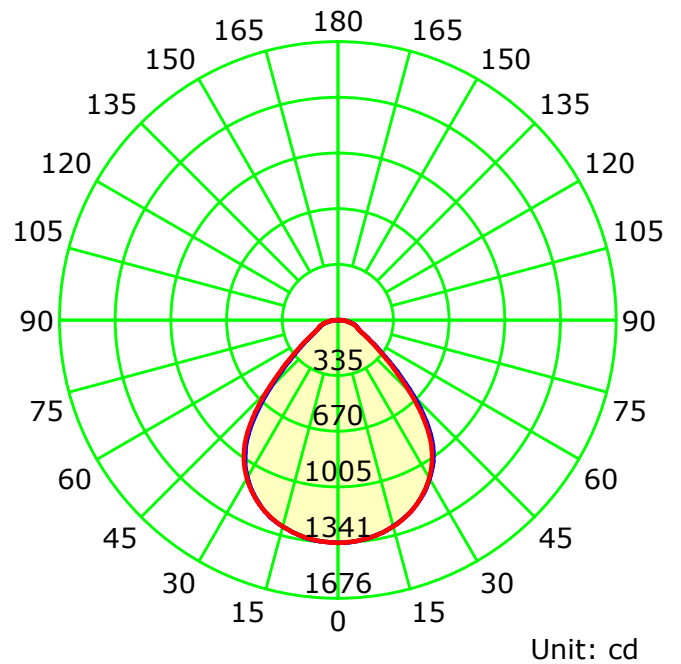
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.22

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

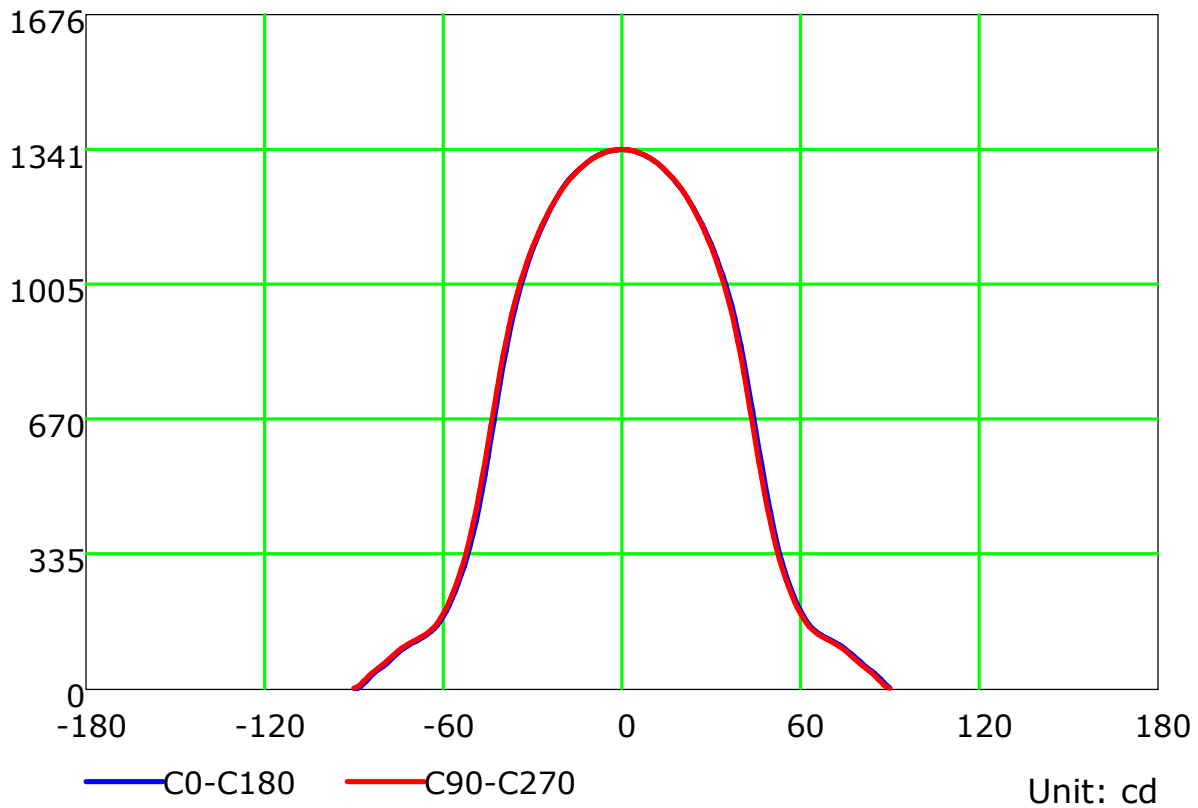
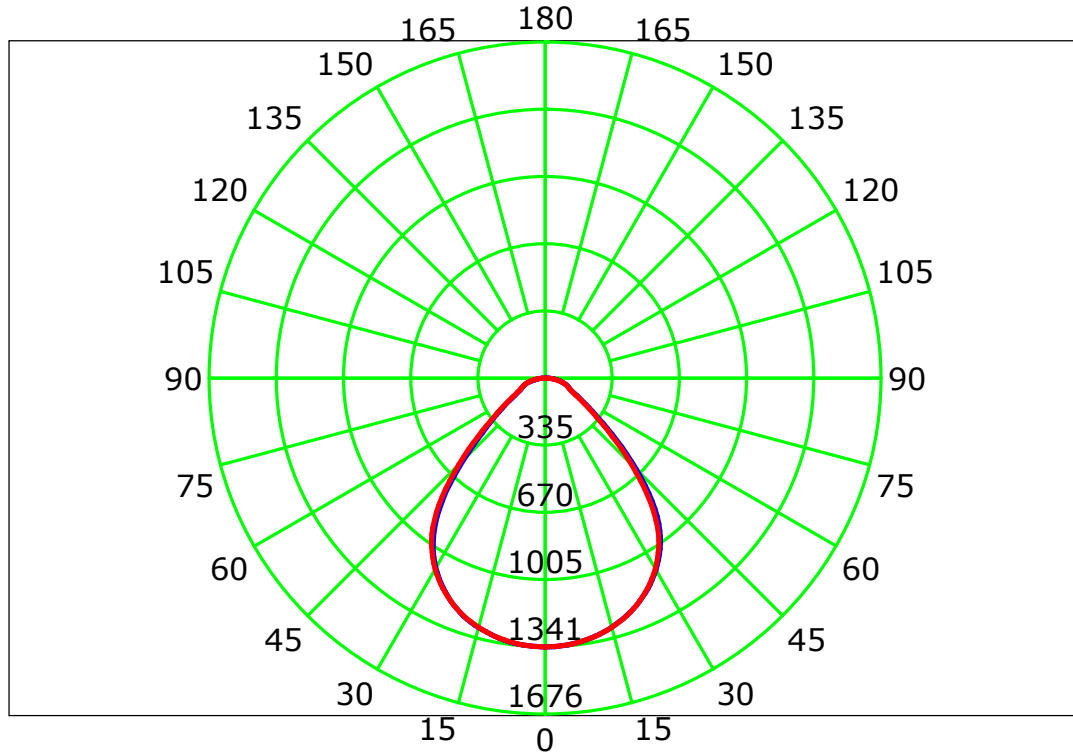
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

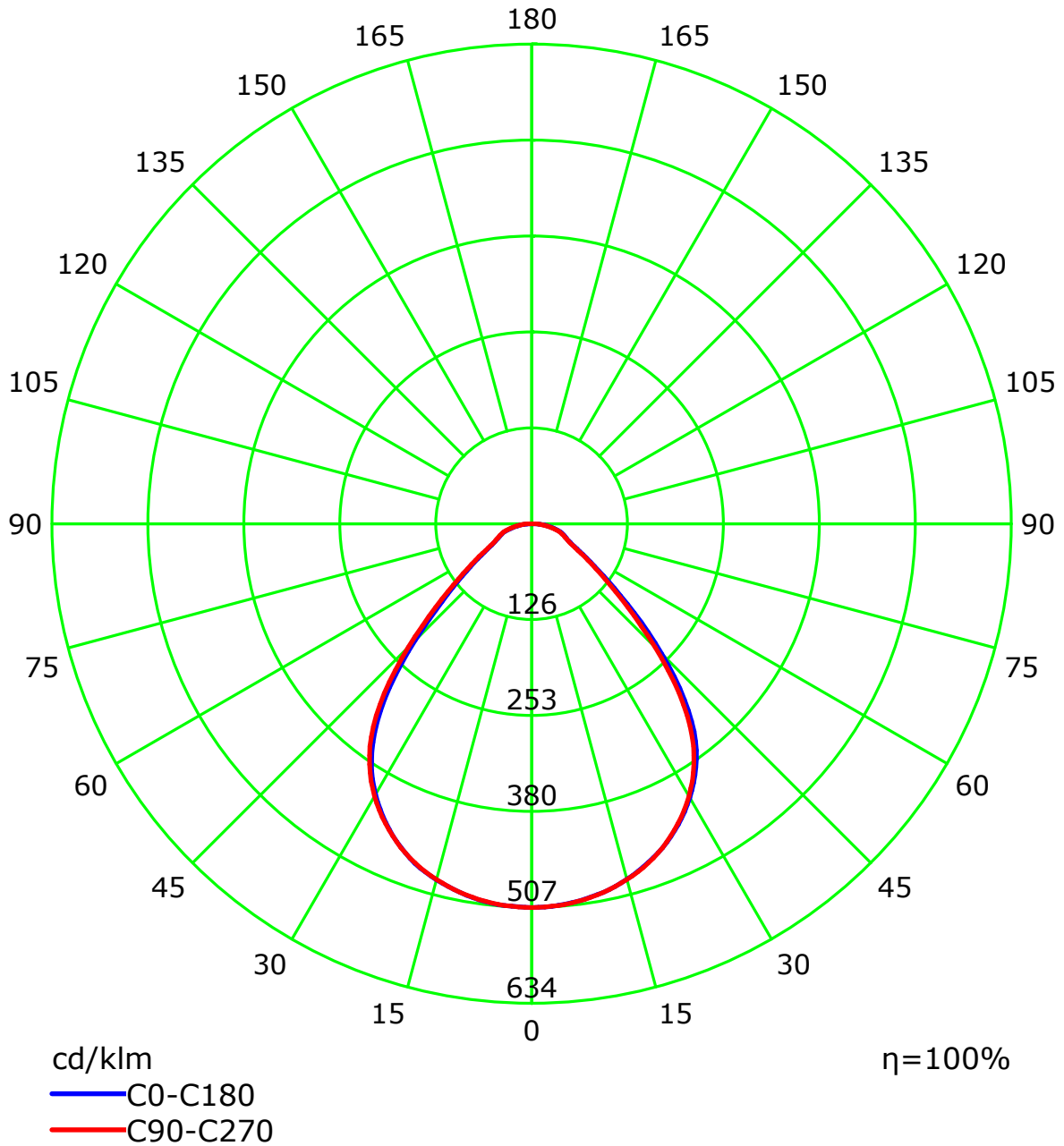
Luminous Intensity Distribution Curve



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: 2.905 m
Humidity:
Inspector:

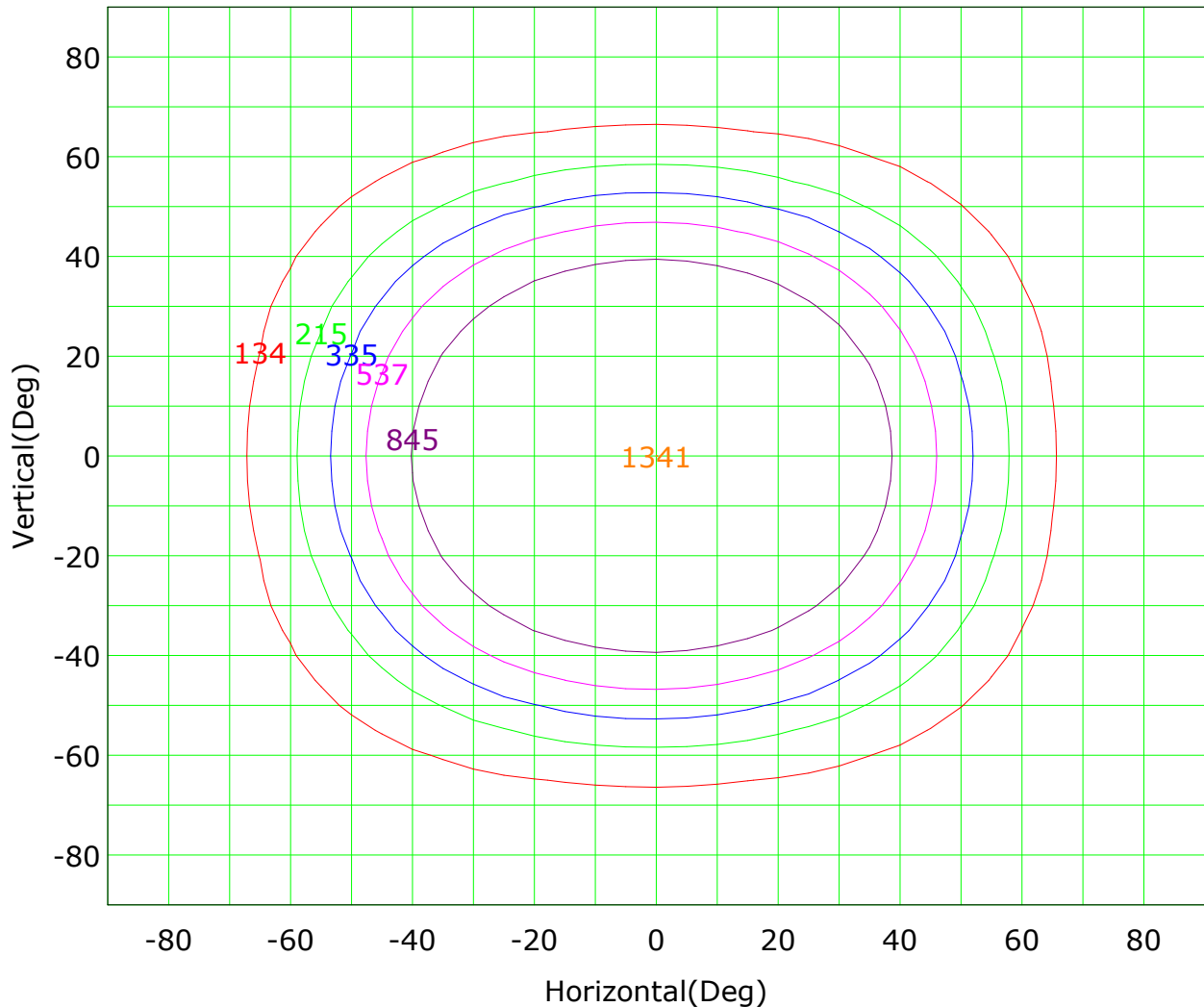
Luminous Intensity Distribution Curve(cd/klm)



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: 2.905 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 1341 cd

(10%): 134 cd	(16%): 215 cd
(25%): 335 cd	(40%): 537 cd
(63%): 845 cd	(100%): 1341 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

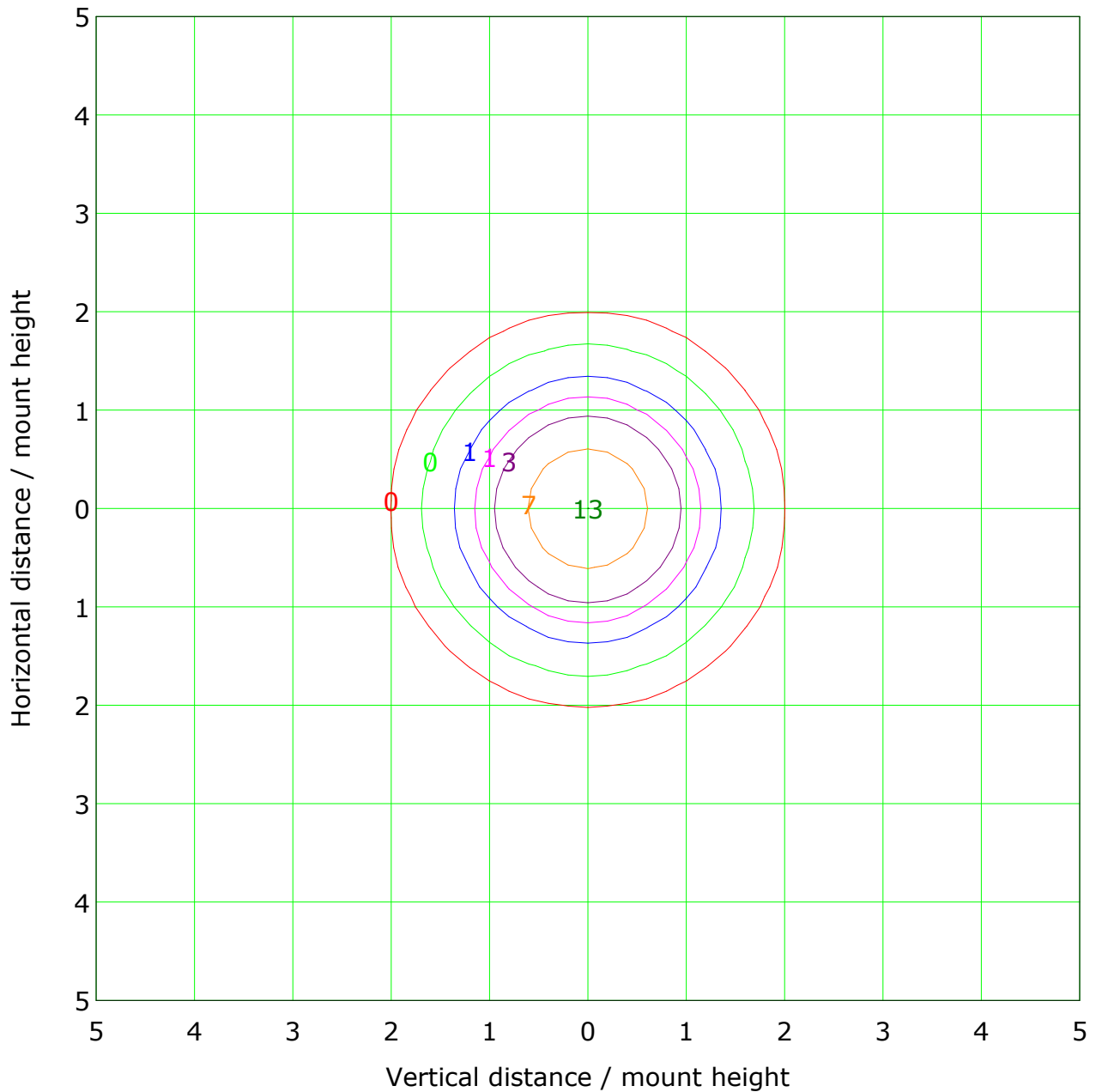
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



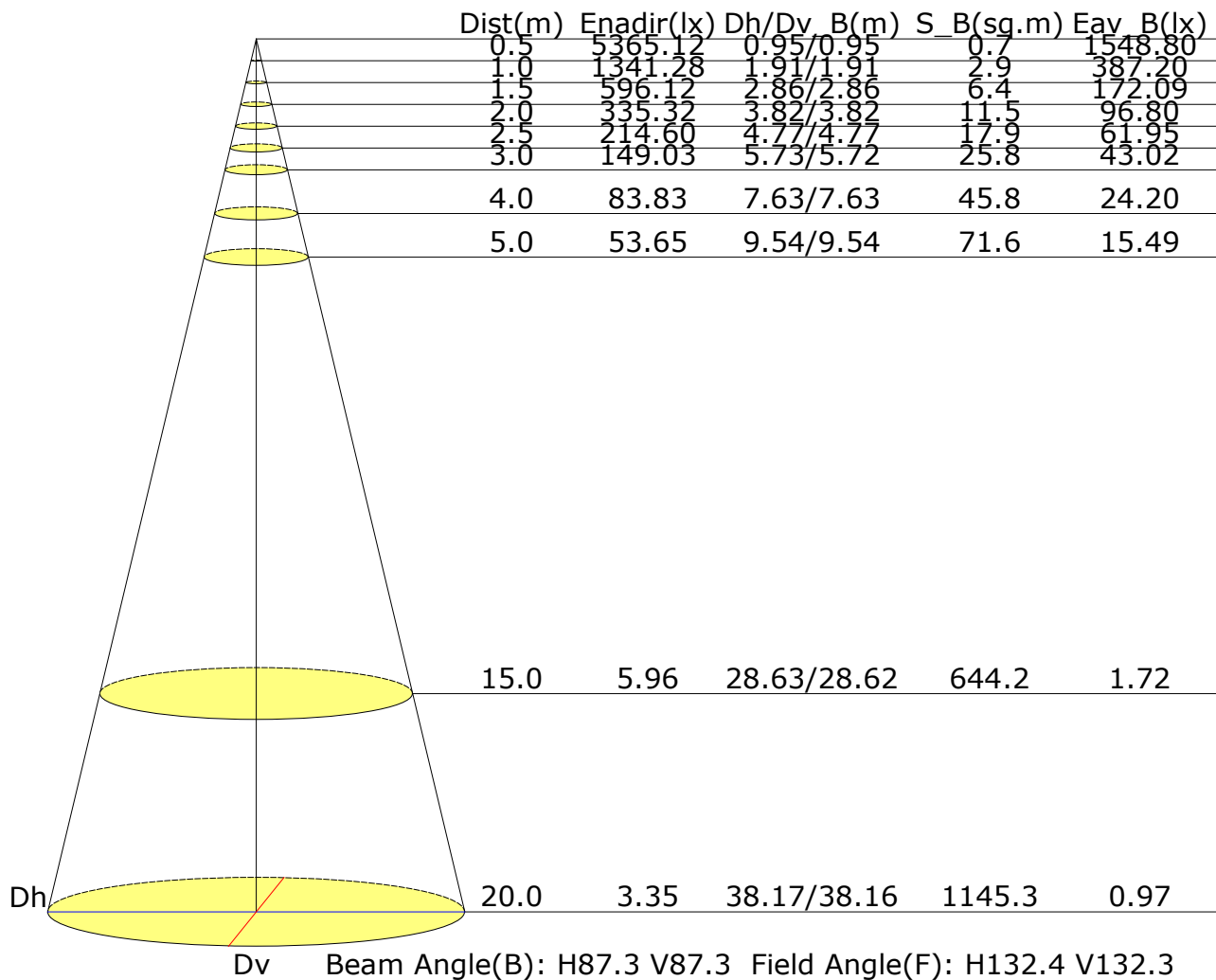
Mounting Height: 10.0m Max Lux(100%): 13.4 lx

(1%): 0.1 lx	(2%): 0.3 lx
(5%): 0.7 lx	(10%): 1.3 lx
(20%): 2.7 lx	(50%): 6.7 lx
(100%): 13.4 lx	

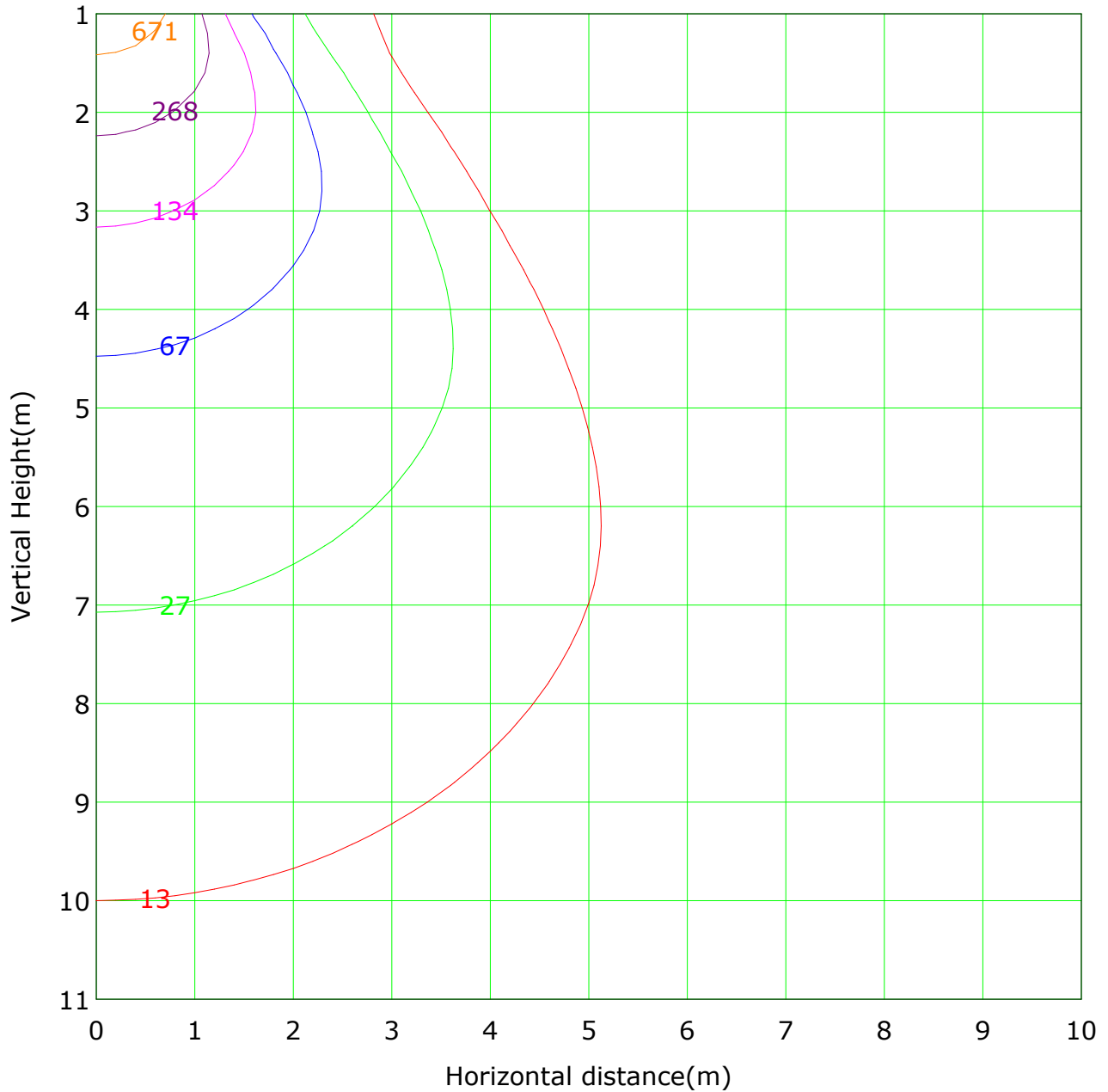
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1341.3 lx

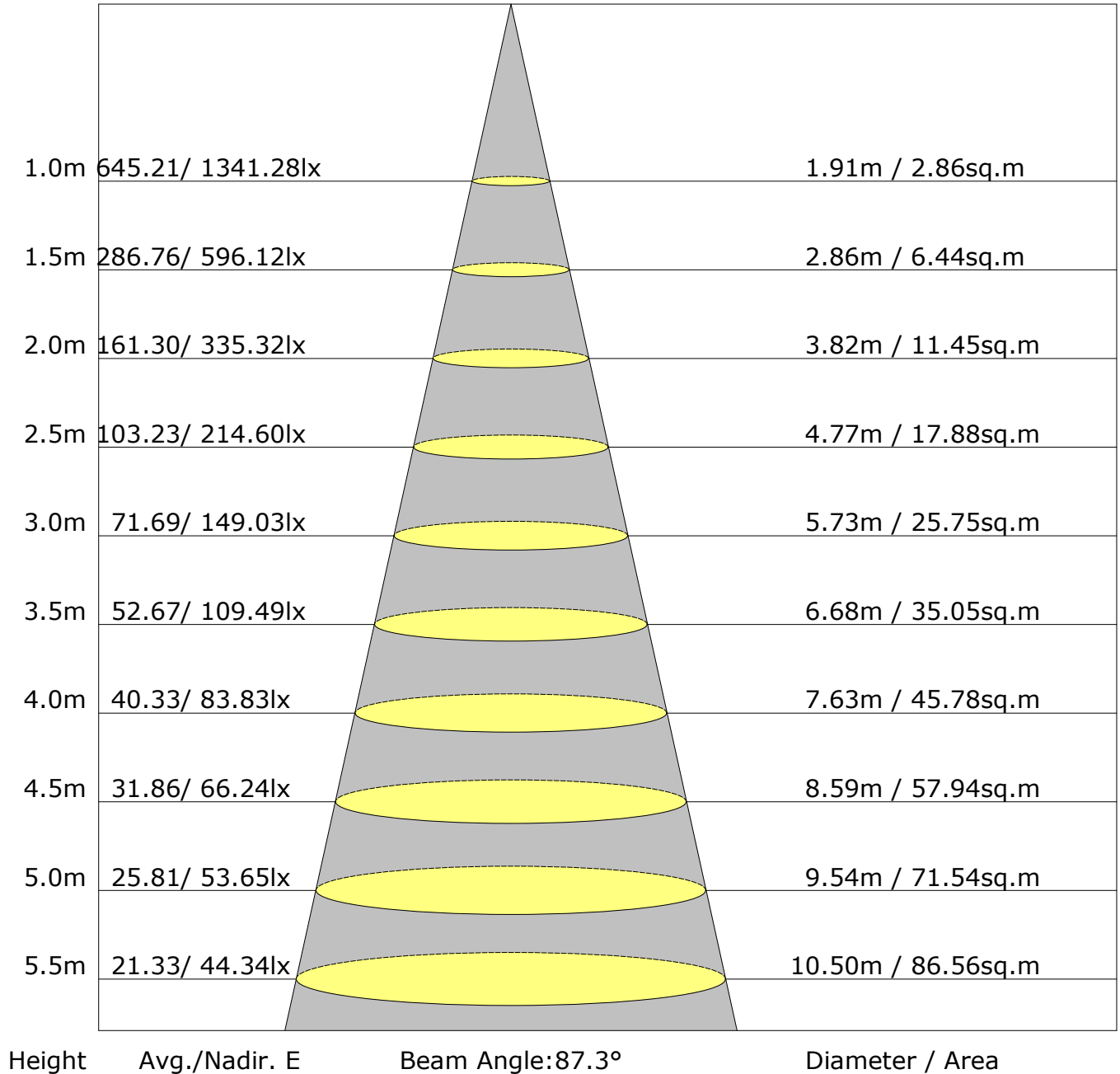
(1%): 13.4 lx	(2%): 26.8 lx
(5%): 67.1 lx	(10%): 134.1 lx
(20%): 268.3 lx	(50%): 670.6 lx
(100%):1341.3 lx	

Unit: 1m

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

The Average Illuminance Effective Figure

Flux Out: 1846.24lm



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: 2.905 m
Humidity:
Inspector:

UGR Table

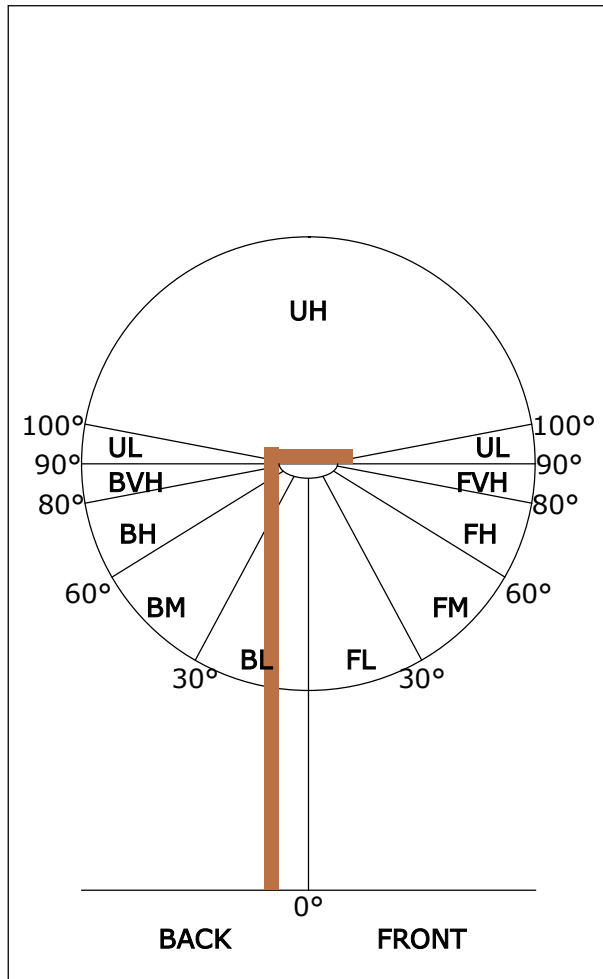
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	25.6	26.8	25.8	27.0	27.2	25.4	26.6	25.7	26.8	27.0
3H	26.2	27.3	26.6	27.6	27.9	26.1	27.2	26.4	27.4	27.7
4H	26.7	27.7	27.1	28.0	28.3	26.6	27.6	26.9	27.9	28.1
6H	27.2	28.1	27.5	28.4	28.7	27.0	27.9	27.3	28.2	28.5
8H	27.4	28.3	27.7	28.6	28.9	27.1	28.1	27.5	28.4	28.7
12H	27.5	28.4	27.9	28.7	29.1	27.3	28.2	27.7	28.5	28.8
X=4H Y=2H	25.7	26.8	26.1	27.0	27.3	25.6	26.6	25.9	26.9	27.2
3H	26.7	27.6	27.1	27.9	28.2	26.6	27.5	27.0	27.8	28.1
4H	27.4	28.1	27.8	28.5	28.9	27.2	28.0	27.6	28.4	28.7
6H	28.0	28.7	28.4	29.1	29.5	27.8	28.5	28.2	28.9	29.3
8H	28.3	28.9	28.7	29.3	29.7	28.1	28.7	28.5	29.1	29.5
12H	28.5	29.1	29.0	29.5	29.9	28.3	28.8	28.7	29.3	29.7
X=8H Y=4H	27.6	28.3	28.1	28.6	29.1	27.5	28.1	27.9	28.5	28.9
6H	28.4	28.9	28.9	29.4	29.8	28.3	28.8	28.7	29.2	29.7
8H	28.8	29.3	29.3	29.7	30.2	28.6	29.1	29.1	29.5	30.0
12H	29.2	29.6	29.7	30.0	30.5	28.9	29.3	29.4	29.8	30.3
X=12H Y=4H	27.6	28.2	28.1	28.6	29.1	27.5	28.1	28.0	28.5	28.9
6H	28.5	29.0	29.0	29.4	29.9	28.3	28.8	28.8	29.2	29.7
8H	28.9	29.3	29.4	29.8	30.3	28.8	29.1	29.2	29.6	30.1
Variations with the observer position at spacings:										
S=1.0H	+0.5/-0.6					+0.5/-0.7				
S=1.5H	+1.0/-1.2					+1.0/-1.3				
S=2.0H	+2.0/-1.7					+2.0/-1.7				

Calculate in accordance with CIE Pub.117. The table is revised with 2642lm ($8\log(F/F_0) = 3.4$).

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: 2.905 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1337	50.6
FL (0°-30°)	517	19.6
FM (30°-60°)	679	25.7
FH (60°-80°)	123	4.6
FVH (80°-90°)	18	0.7
BACK LIGHT	1306	49.4
BL (0°-30°)	516	19.5
BM (30°-60°)	655	24.8
BH (60°-80°)	118	4.5
BVH (80°-90°)	15	0.6
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)	B2 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U1 G1

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: 2.905 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	1341.1	1.3	1.3	0.05	0.05
1.0-2.0	1340.6	3.8	5.1	0.15	0.19
2.0-3.0	1339.7	6.4	11.5	0.24	0.44
3.0-4.0	1338.4	9.0	20.5	0.34	0.78
4.0-5.0	1336.8	11.5	32.0	0.44	1.21
5.0-6.0	1334.5	14.0	46.0	0.53	1.74
6.0-7.0	1331.5	16.5	62.6	0.63	2.37
7.0-8.0	1328.2	19.0	81.6	0.72	3.09
8.0-9.0	1324.4	21.5	103.0	0.81	3.90
9.0-10.0	1320.0	23.9	126.9	0.90	4.80
10.0-11.0	1315.2	26.3	153.2	0.99	5.80
11.0-12.0	1310.1	28.6	181.9	1.08	6.88
12.0-13.0	1304.2	31.0	212.8	1.17	8.05
13.0-14.0	1297.7	33.2	246.0	1.26	9.31
14.0-15.0	1290.9	35.4	281.5	1.34	10.65
15.0-16.0	1283.6	37.6	319.1	1.42	12.08
16.0-17.0	1275.9	39.7	358.8	1.50	13.58
17.0-18.0	1267.7	41.8	400.6	1.58	15.16
18.0-19.0	1258.8	43.8	444.4	1.66	16.82
19.0-20.0	1248.9	45.7	490.1	1.73	18.55
20.0-21.0	1238.3	47.6	537.7	1.80	20.35
21.0-22.0	1227.0	49.3	587.0	1.87	22.22
22.0-23.0	1214.8	51.0	638.0	1.93	24.15
23.0-24.0	1201.9	52.6	690.5	1.99	26.14
24.0-25.0	1188.2	54.0	744.6	2.05	28.18
25.0-26.0	1173.7	55.4	800.0	2.10	30.28
26.0-27.0	1158.7	56.7	856.7	2.15	32.42
27.0-28.0	1142.7	57.9	914.5	2.19	34.61
28.0-29.0	1125.9	58.9	973.5	2.23	36.84
29.0-30.0	1108.3	59.8	1033.3	2.27	39.11
30.0-31.0	1089.7	60.6	1094.0	2.30	41.40
31.0-32.0	1070.0	61.3	1155.3	2.32	43.72
32.0-33.0	1048.8	61.8	1217.1	2.34	46.06
33.0-34.0	1026.1	62.1	1279.2	2.35	48.41
34.0-35.0	1001.9	62.2	1341.4	2.36	50.77
35.0-36.0	975.8	62.1	1403.5	2.35	53.12

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: 2.905 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	947.4	61.8	1465.3	2.34	55.46
37.0-38.0	916.1	61.2	1526.5	2.31	57.77
38.0-39.0	881.9	60.2	1586.7	2.28	60.05
39.0-40.0	845.1	58.9	1645.6	2.23	62.28
40.0-41.0	806.1	57.4	1703.0	2.17	64.46
41.0-42.0	764.9	55.6	1758.6	2.10	66.56
42.0-43.0	721.7	53.5	1812.1	2.02	68.58
43.0-44.0	677.3	51.1	1863.2	1.94	70.52
44.0-45.0	632.6	48.6	1911.8	1.84	72.36
45.0-46.0	588.4	46.0	1957.9	1.74	74.10
46.0-47.0	545.4	43.4	2001.2	1.64	75.74
47.0-48.0	504.2	40.8	2042.0	1.54	77.29
48.0-49.0	465.1	38.2	2080.2	1.45	78.73
49.0-50.0	428.4	35.7	2115.9	1.35	80.08
50.0-51.0	394.3	33.4	2149.3	1.26	81.35
51.0-52.0	363.1	31.2	2180.5	1.18	82.52
52.0-53.0	334.7	29.1	2209.6	1.10	83.63
53.0-54.0	309.1	27.2	2236.8	1.03	84.66
54.0-55.0	285.9	25.5	2262.3	0.97	85.62
55.0-56.0	264.4	23.9	2286.2	0.90	86.53
56.0-57.0	244.5	22.4	2308.6	0.85	87.37
57.0-58.0	226.0	20.9	2329.5	0.79	88.17
58.0-59.0	209.1	19.6	2349.1	0.74	88.91
59.0-60.0	194.1	18.3	2367.4	0.69	89.60
60.0-61.0	180.9	17.3	2384.7	0.65	90.25
61.0-62.0	169.2	16.3	2401.0	0.62	90.87
62.0-63.0	159.1	15.5	2416.4	0.59	91.46
63.0-64.0	150.6	14.8	2431.2	0.56	92.02
64.0-65.0	143.6	14.2	2445.4	0.54	92.55
65.0-66.0	137.6	13.7	2459.2	0.52	93.07
66.0-67.0	132.4	13.3	2472.5	0.50	93.58
67.0-68.0	127.9	13.0	2485.4	0.49	94.07
68.0-69.0	123.9	12.6	2498.1	0.48	94.55
69.0-70.0	120.1	12.3	2510.4	0.47	95.01
70.0-71.0	116.3	12.0	2522.4	0.46	95.47
71.0-72.0	112.3	11.7	2534.1	0.44	95.91

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: 2.905 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	1341.3	1341.3								
G1.0	1340.7	1341.1								
G2.0	1340.6	1340.0								
G3.0	1339.3	1338.9								
G4.0	1337.5	1337.9								
G5.0	1335.3	1336.4								
G6.0	1332.3	1333.9								
G7.0	1329.3	1330.7								
G8.0	1325.6	1327.3								
G9.0	1321.4	1323.1								
G10.0	1316.8	1318.5								
G11.0	1312.5	1313.0								
G12.0	1307.3	1307.6								
G13.0	1300.9	1300.9								
G14.0	1294.2	1294.8								
G15.0	1286.3	1288.3								
G16.0	1278.9	1280.9								
G17.0	1270.5	1273.2								
G18.0	1261.4	1265.5								
G19.0	1252.2	1256.0								
G20.0	1242.8	1244.8								
G21.0	1232.8	1232.8								
G22.0	1221.8	1220.4								
G23.0	1209.4	1207.6								
G24.0	1196.8	1193.7								
G25.0	1183.4	1178.8								
G26.0	1169.7	1163.0								
G27.0	1155.1	1146.9								
G28.0	1139.3	1129.6								
G29.0	1123.0	1111.7								
G30.0	1105.8	1092.8								
G31.0	1087.9	1072.2								
G32.0	1068.7	1051.2								
G33.0	1047.9	1027.5								
G34.0	1027.2	1001.9								
G35.0	1004.1	974.3								
G36.0	979.6	945.0								

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: 2.905 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	952.4	912.7								
G38.0	922.0	877.5								
G39.0	888.6	839.4								
G40.0	853.1	799.4								
G41.0	814.5	757.4								
G42.0	774.3	713.2								
G43.0	732.1	667.2								
G44.0	688.5	621.6								
G45.0	643.9	576.5								
G46.0	600.7	532.5								
G47.0	557.7	490.6								
G48.0	516.0	452.3								
G49.0	475.8	416.3								
G50.0	437.0	384.3								
G51.0	400.4	355.5								
G52.0	367.2	329.2								
G53.0	337.5	304.9								
G54.0	310.9	283.2								
G55.0	287.1	262.4								
G56.0	265.3	242.9								
G57.0	245.0	224.7								
G58.0	226.3	208.1								
G59.0	209.4	192.9								
G60.0	194.4	179.7								
G61.0	181.1	168.2								
G62.0	169.1	158.3								
G63.0	159.0	149.9								
G64.0	150.5	143.1								
G65.0	143.8	137.1								
G66.0	137.9	131.9								
G67.0	133.1	126.8								
G68.0	128.9	122.8								
G69.0	125.2	118.6								
G70.0	121.5	115.1								
G71.0	117.8	110.9								
G72.0	113.7	106.7								
G73.0	109.5	101.8								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

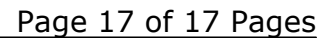
Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:



Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector: