

Report No.:

Test Time: 2025-12-10 17:50

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 36D

Luminous Width (mm): -80

Current: 0.114 A

Power Factor: 0.535

Luminous Length (mm): -80

Voltage: 232.3 V

Power: 14.20 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1402.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H43.2

Vertical Diffuse Angle(50%): V43.2

Luminaire Efficacy Rating (LER): 98.81

Max. Intensity: 2758.48 cd

S/MH(C0/C180): 0.73

Total Rated Lamp Lumens: 1402.4 lm

Efficiency: 100%

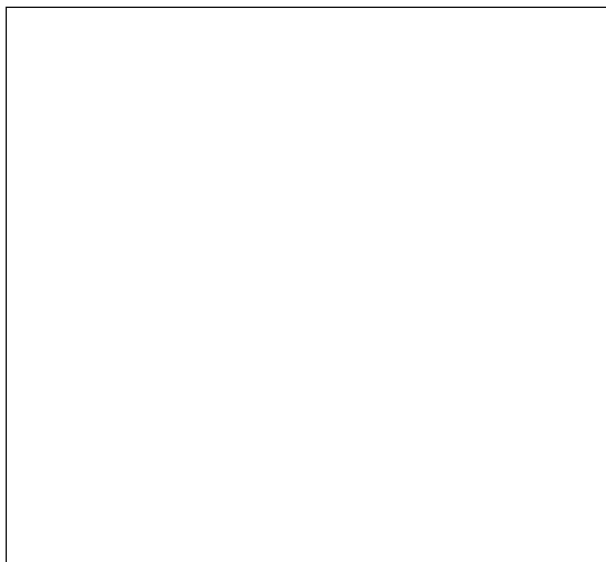
Upward Ratio: 0%

Central Intensity: 2726.68 cd

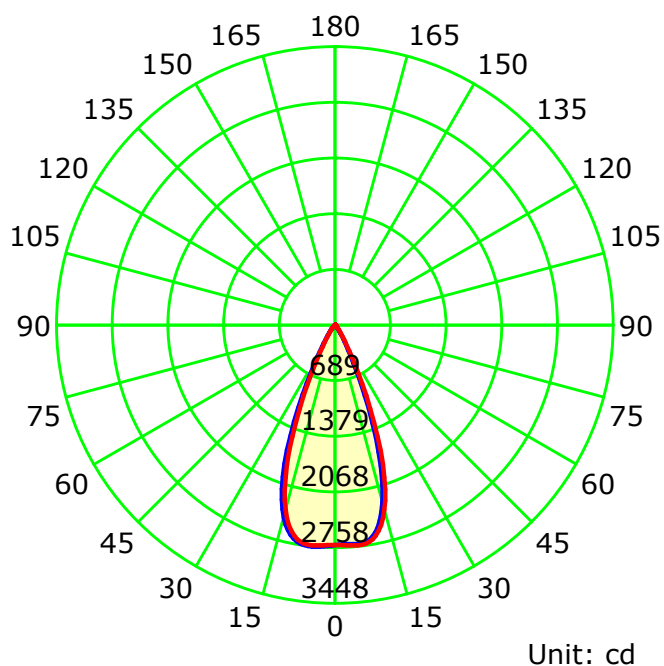
Pos of Max. Intensity: H180 V6

S/MH(C90/C270): 0.73

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

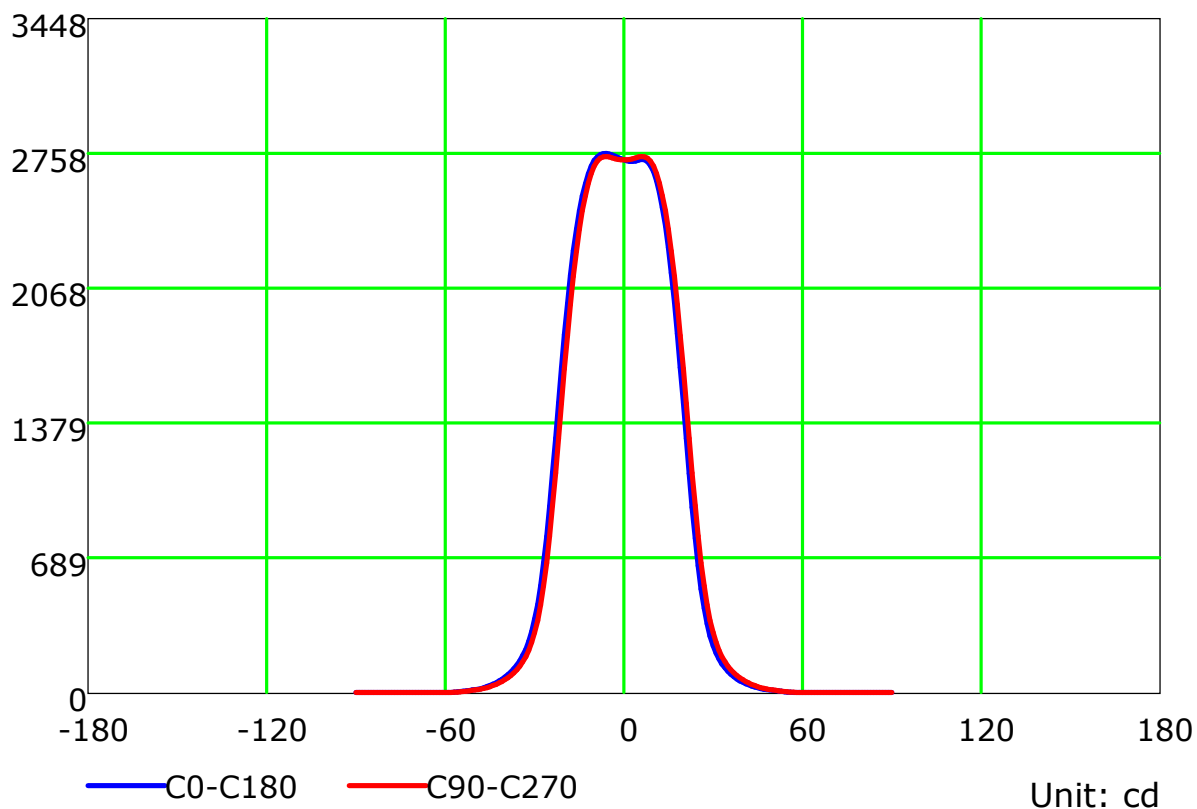
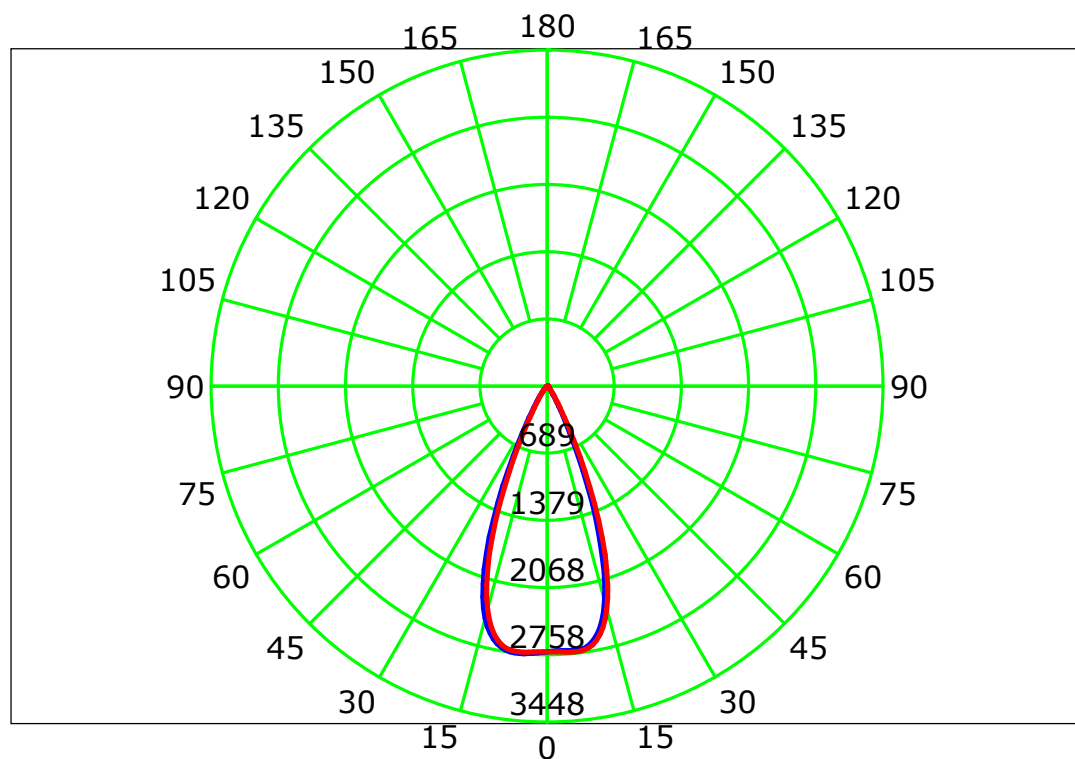
Test Device: CHL-6E

Distance: 3.030 m

Humidity:

Inspector:

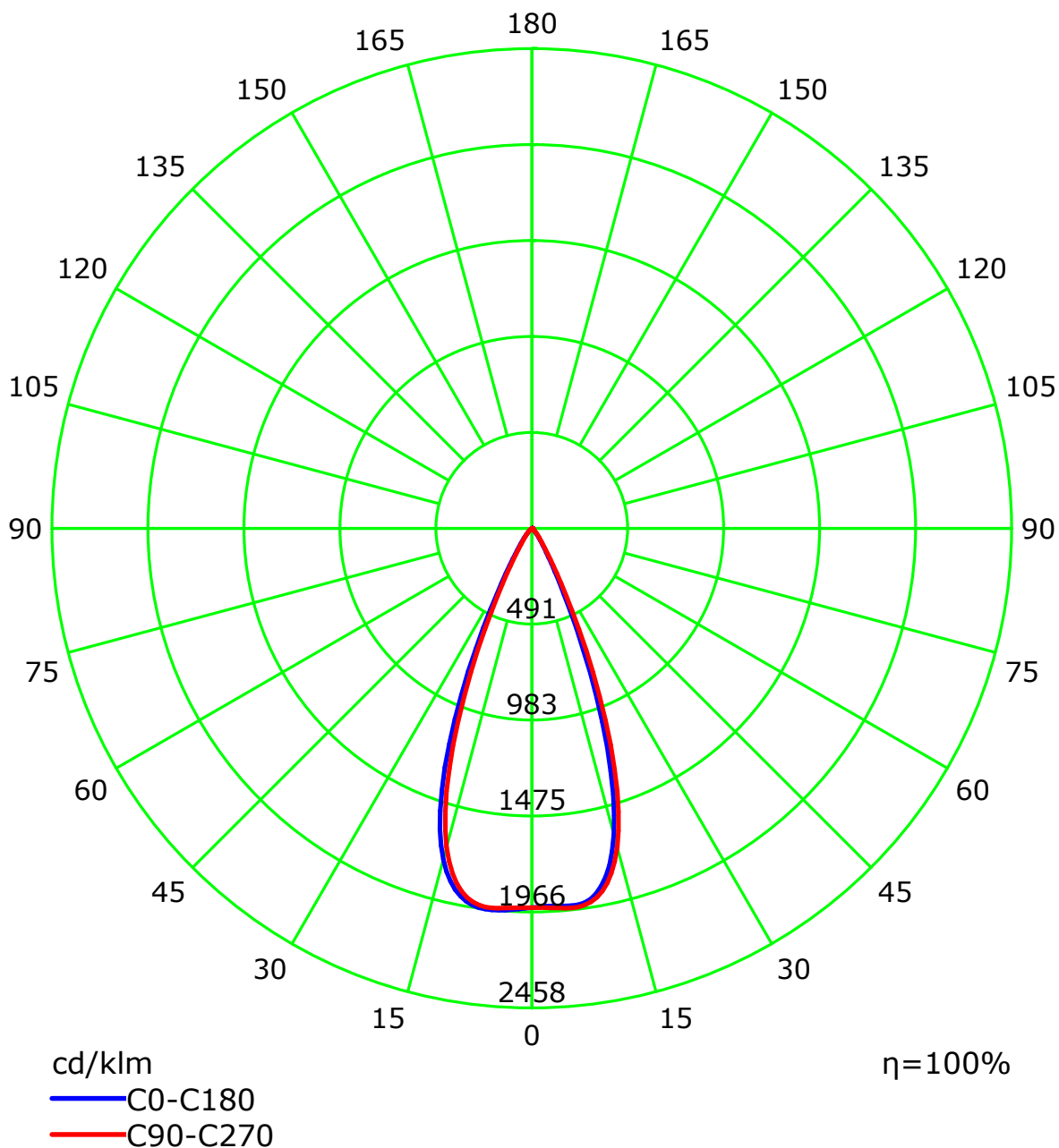
Luminous Intensity Distribution Curve



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: 3.030 m
Humidity:
Inspector:

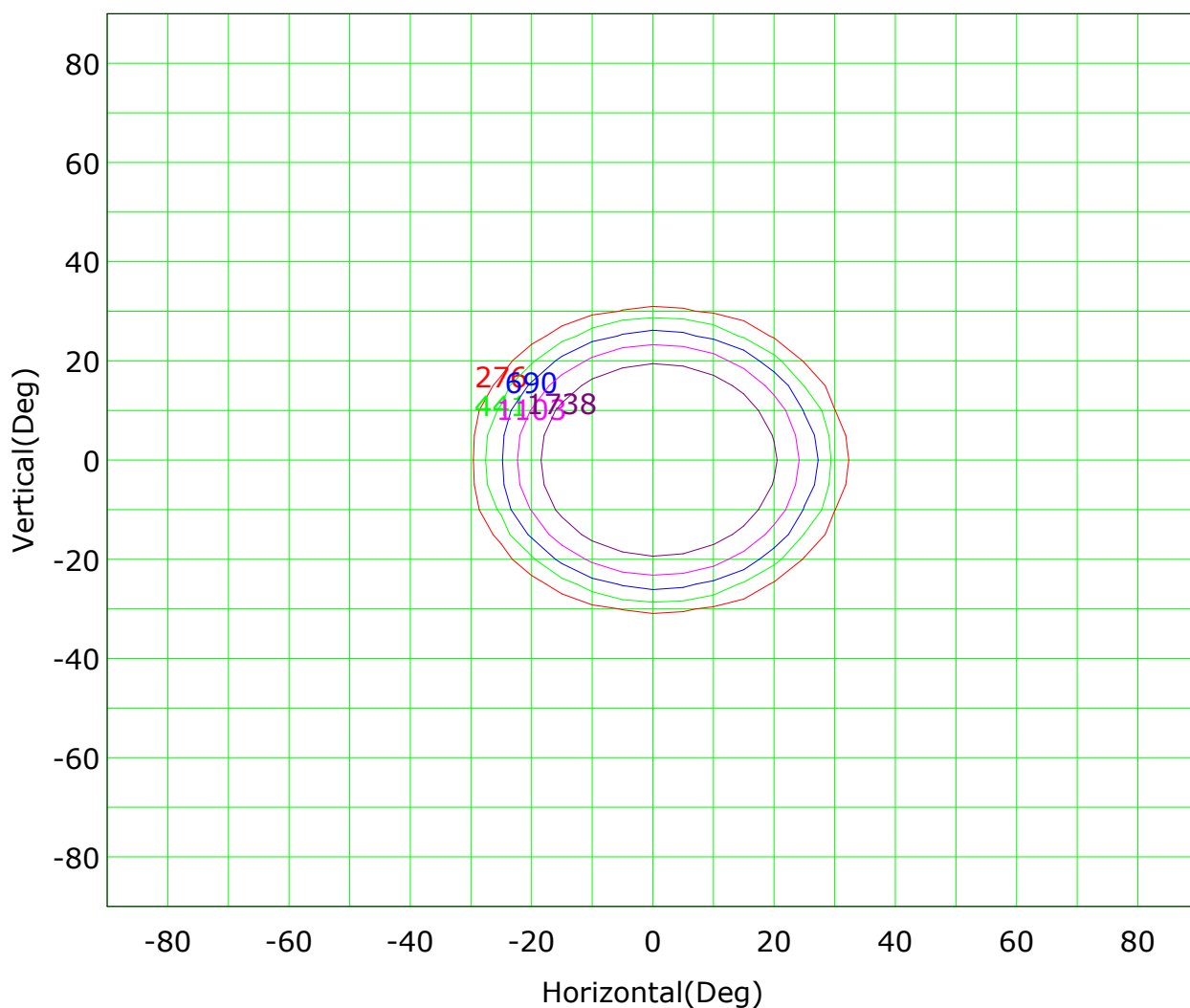
Luminous Intensity Distribution Curve(cd/klm)



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: 3.030 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 2758 cd

(10%): 276 cd	(16%): 441 cd
(25%): 690 cd	(40%): 1103 cd
(63%): 1738 cd	(100%): 2758 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

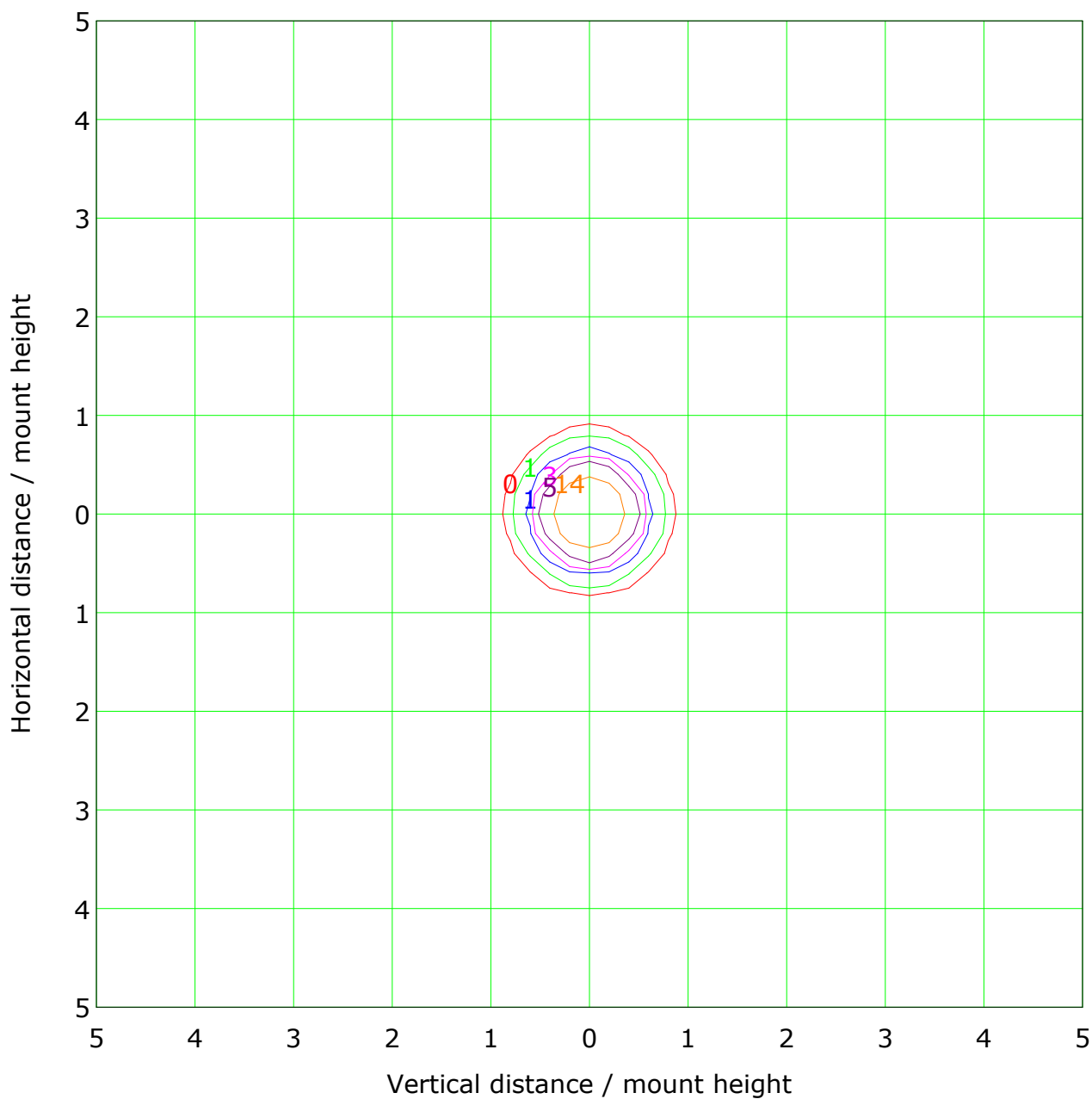
Test Device: CHL-6E

Distance: 3.030 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 27.3 lx

(1%): 0.3 lx	(2%): 0.5 lx
(5%): 1.4 lx	(10%): 2.7 lx
(20%): 5.5 lx	(50%): 13.7 lx
(100%): 27.3 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

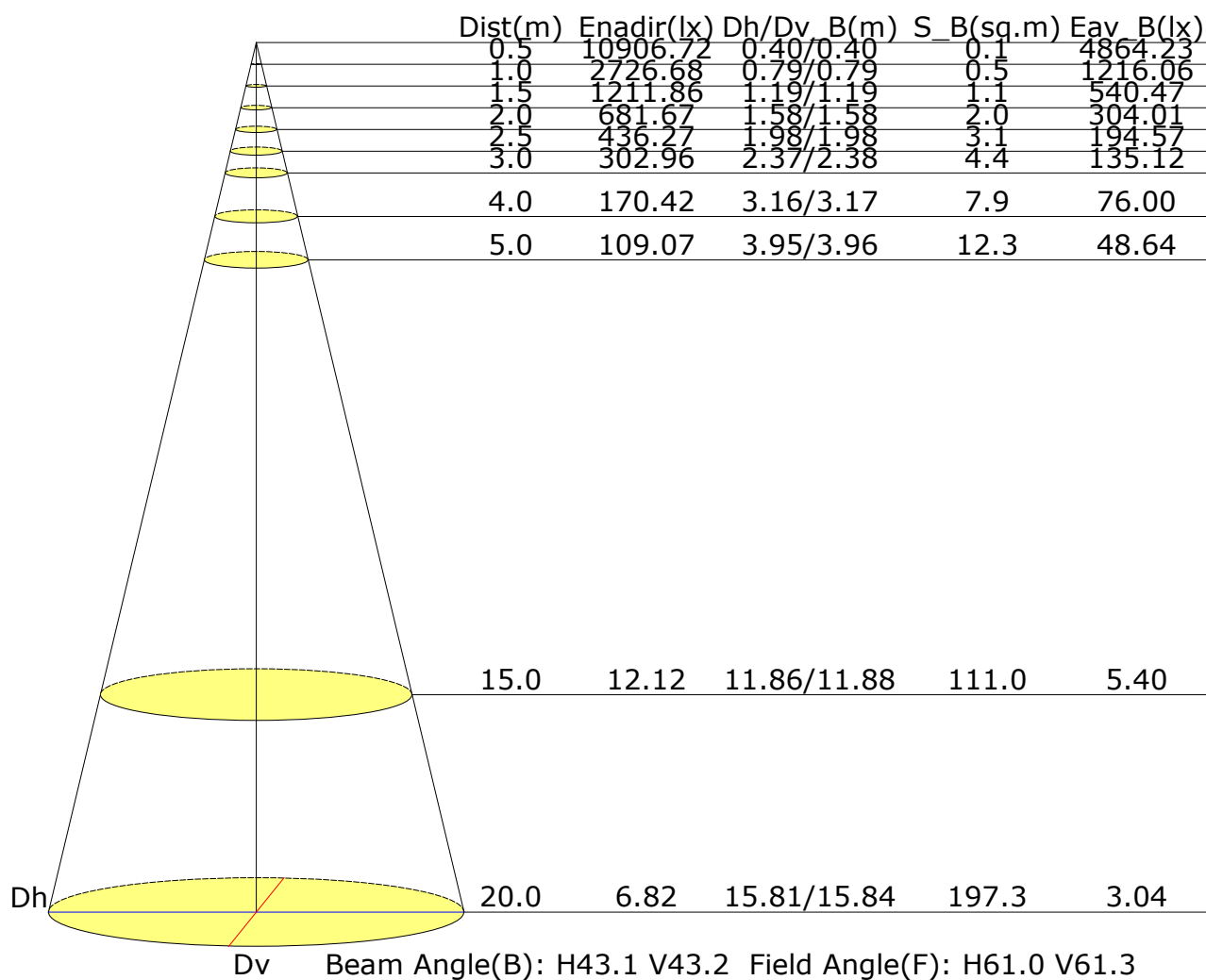
Test Device: CHL-6E

Distance: 3.030 m

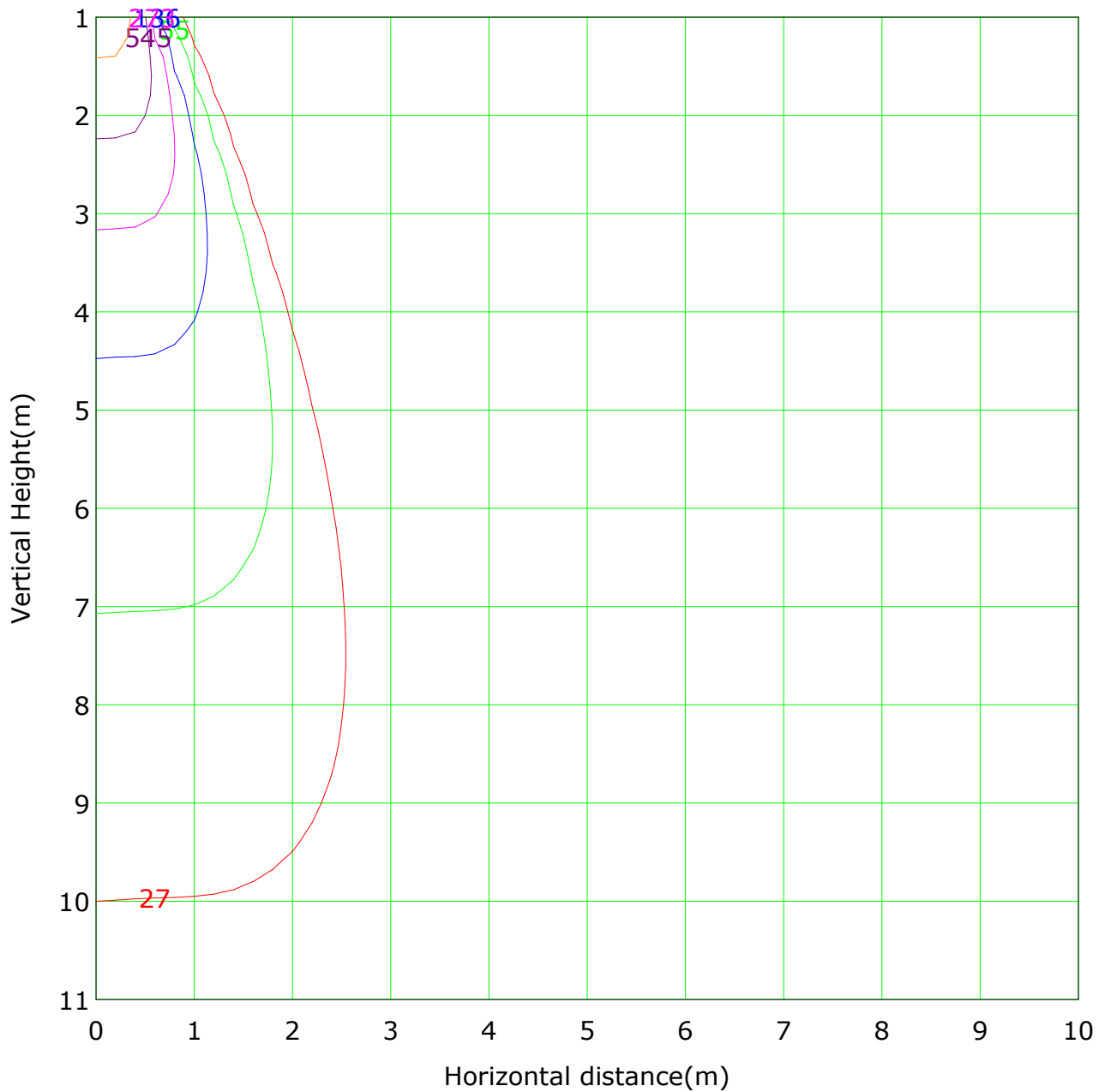
Humidity:

Inspector:

Illuminance at a Distance



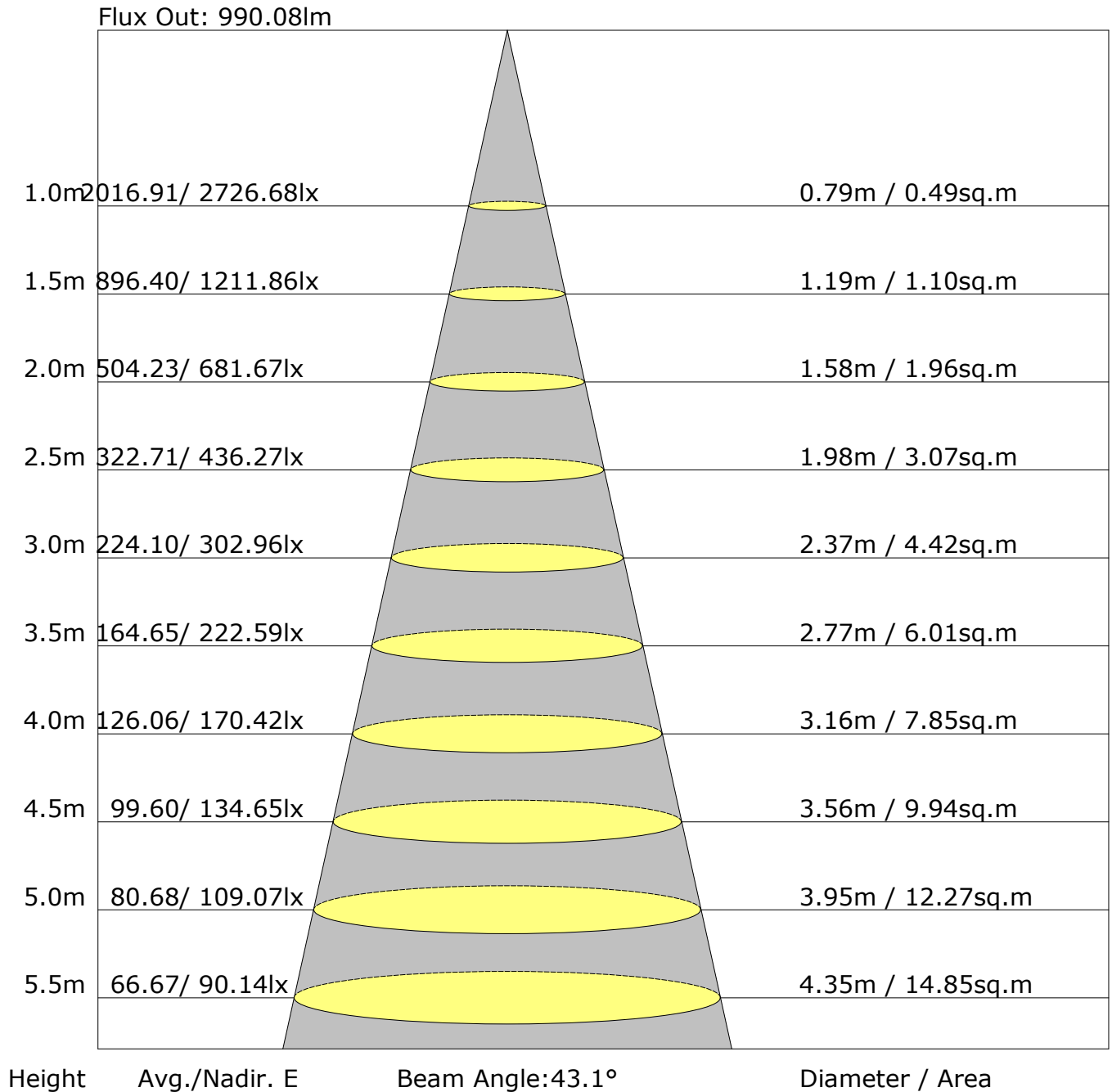
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2726.7 lx
— (1%): 27.3 lx — (2%): 54.5 lx
— (5%): 136.3 lx — (10%): 272.7 lx
— (20%): 545.3 lx — (50%): 1363.3 lx
— (100%): 2726.7 lx

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.030 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	10.7	11.4	11.0	11.6	11.8	11.6	12.3	11.9	12.5	12.7
3H	10.6	11.2	10.8	11.4	11.7	11.5	12.1	11.8	12.4	12.6
4H	10.5	11.1	10.8	11.3	11.6	11.4	12.0	11.7	12.3	12.5
6H	10.4	11.0	10.7	11.3	11.5	11.4	11.9	11.7	12.2	12.5
8H	10.4	10.9	10.7	11.2	11.5	11.3	11.9	11.7	12.1	12.4
12H	10.3	10.9	10.7	11.2	11.5	11.3	11.8	11.6	12.1	12.4
X=4H Y=2H	10.5	11.1	10.8	11.4	11.6	11.4	12.0	11.7	12.3	12.5
3H	10.3	10.9	10.7	11.2	11.5	11.3	11.8	11.6	12.1	12.4
4H	10.3	10.7	10.6	11.1	11.4	11.2	11.7	11.6	12.0	12.3
6H	10.2	10.6	10.6	10.9	11.3	11.1	11.5	11.5	11.9	12.3
8H	10.1	10.5	10.5	10.9	11.3	11.1	11.4	11.5	11.8	12.2
12H	10.1	10.4	10.5	10.8	11.2	11.0	11.3	11.4	11.8	12.2
X=8H Y=4H	10.1	10.5	10.5	10.9	11.3	11.1	11.4	11.5	11.8	12.2
6H	10.0	10.3	10.5	10.8	11.2	11.0	11.3	11.4	11.7	12.1
8H	10.0	10.2	10.5	10.7	11.2	10.9	11.2	11.4	11.6	12.1
12H	9.9	10.2	10.4	10.6	11.1	10.9	11.1	11.4	11.6	12.1
X=12H Y=4H	10.1	10.4	10.5	10.8	11.2	11.0	11.3	11.4	11.8	12.2
6H	10.0	10.2	10.5	10.7	11.2	10.9	11.2	11.4	11.6	12.1
8H	9.9	10.2	10.4	10.6	11.1	10.9	11.1	11.4	11.6	12.1
Variations with the observer position at spacings:										
S=1.0H	+4.9/-13.8					+5.2/-13.3				
S=1.5H	+7.7/-28.0					+8.0/-31.8				
S=2.0H	+9.7/-28.8					+10.0/-31.7				

Calculate in accordance with CIE Pub.117. The table is revised with 1402lm ($8\log(F/F_0) = 1.2$).

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: 3.030 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	671	47.9
	FL (0°-30°)	616	43.9
	FM (30°-60°)	55	3.9
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	731	52.1
	BL (0°-30°)	663	47.3
	BM (30°-60°)	68	4.8
	BH (60°-80°)	0	0.0
	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)	B2 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 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: 3.030 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	2726.8	2.6	2.6	0.19	0.19
1.0-2.0	2727.5	7.8	10.4	0.56	0.74
2.0-3.0	2729.8	13.1	23.5	0.93	1.68
3.0-4.0	2733.6	18.3	41.8	1.30	2.98
4.0-5.0	2738.2	23.6	65.4	1.68	4.66
5.0-6.0	2741.9	28.8	94.2	2.05	6.72
6.0-7.0	2742.6	34.0	128.2	2.43	9.14
7.0-8.0	2738.5	39.2	167.4	2.79	11.94
8.0-9.0	2727.5	44.2	211.6	3.15	15.09
9.0-10.0	2707.1	49.0	260.6	3.49	18.58
10.0-11.0	2675.6	53.5	314.1	3.81	22.40
11.0-12.0	2631.9	57.5	371.6	4.10	26.50
12.0-13.0	2575.5	61.1	432.8	4.36	30.86
13.0-14.0	2504.7	64.1	496.9	4.57	35.43
14.0-15.0	2418.4	66.4	563.3	4.73	40.16
15.0-16.0	2315.5	67.9	631.1	4.84	45.00
16.0-17.0	2195.0	68.4	699.5	4.87	49.88
17.0-18.0	2058.1	67.9	767.4	4.84	54.72
18.0-19.0	1906.4	66.3	833.7	4.73	59.45
19.0-20.0	1742.1	63.8	897.5	4.55	63.99
20.0-21.0	1568.9	60.3	957.7	4.30	68.29
21.0-22.0	1390.9	55.9	1013.6	3.99	72.28
22.0-23.0	1213.0	50.9	1064.5	3.63	75.91
23.0-24.0	1041.0	45.5	1110.1	3.25	79.15
24.0-25.0	879.3	40.0	1150.0	2.85	82.00
25.0-26.0	732.9	34.6	1184.6	2.47	84.47
26.0-27.0	605.7	29.6	1214.3	2.11	86.58
27.0-28.0	498.3	25.2	1239.5	1.80	88.38
28.0-29.0	409.7	21.4	1260.9	1.53	89.91
29.0-30.0	338.8	18.3	1279.2	1.30	91.22
30.0-31.0	282.6	15.7	1295.0	1.12	92.34
31.0-32.0	237.3	13.6	1308.6	0.97	93.31
32.0-33.0	201.0	11.8	1320.4	0.84	94.15
33.0-34.0	171.5	10.4	1330.8	0.74	94.89
34.0-35.0	147.1	9.1	1339.9	0.65	95.54
35.0-36.0	126.7	8.1	1348.0	0.58	96.12

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: 3.030 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	109.5	7.1	1355.1	0.51	96.63
37.0-38.0	94.8	6.3	1361.5	0.45	97.08
38.0-39.0	82.1	5.6	1367.1	0.40	97.48
39.0-40.0	71.0	5.0	1372.0	0.35	97.83
40.0-41.0	61.4	4.4	1376.4	0.31	98.14
41.0-42.0	53.1	3.9	1380.3	0.28	98.42
42.0-43.0	45.8	3.4	1383.6	0.24	98.66
43.0-44.0	39.3	3.0	1386.6	0.21	98.87
44.0-45.0	33.7	2.6	1389.2	0.18	99.06
45.0-46.0	28.6	2.2	1391.4	0.16	99.22
46.0-47.0	24.0	1.9	1393.4	0.14	99.35
47.0-48.0	20.0	1.6	1395.0	0.12	99.47
48.0-49.0	16.8	1.4	1396.4	0.10	99.57
49.0-50.0	14.5	1.2	1397.6	0.09	99.65
50.0-51.0	12.6	1.1	1398.6	0.08	99.73
51.0-52.0	10.8	0.9	1399.5	0.07	99.79
52.0-53.0	8.9	0.8	1400.3	0.06	99.85
53.0-54.0	7.1	0.6	1401.0	0.04	99.89
54.0-55.0	5.3	0.5	1401.4	0.03	99.93
55.0-56.0	3.7	0.3	1401.8	0.02	99.95
56.0-57.0	2.4	0.2	1402.0	0.02	99.97
57.0-58.0	1.5	0.1	1402.1	0.01	99.98
58.0-59.0	1.0	0.1	1402.2	0.01	99.98
59.0-60.0	0.5	0.1	1402.3	0.00	99.99
60.0-61.0	0.3	0.0	1402.3	0.00	99.99
61.0-62.0	0.1	0.0	1402.3	0.00	99.99
62.0-63.0	0.1	0.0	1402.3	0.00	99.99
63.0-64.0	0.1	0.0	1402.3	0.00	99.99
64.0-65.0	0.1	0.0	1402.3	0.00	99.99
65.0-66.0	0.1	0.0	1402.4	0.00	99.99
66.0-67.0	0.1	0.0	1402.4	0.00	99.99
67.0-68.0	0.1	0.0	1402.4	0.00	100.00
68.0-69.0	0.1	0.0	1402.4	0.00	100.00
69.0-70.0	0.1	0.0	1402.4	0.00	100.00
70.0-71.0	0.1	0.0	1402.4	0.00	100.00
71.0-72.0	0.1	0.0	1402.4	0.00	100.00

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: 3.030 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.030 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	2726.7	2726.7								
G1.0	2722.1	2731.6								
G2.0	2718.3	2737.9								
G3.0	2717.9	2744.9								
G4.0	2720.3	2751.5								
G5.0	2724.9	2756.2								
G6.0	2728.1	2758.5								
G7.0	2726.2	2757.6								
G8.0	2717.3	2752.9								
G9.0	2697.8	2742.1								
G10.0	2665.7	2723.0								
G11.0	2619.3	2694.3								
G12.0	2559.0	2655.2								
G13.0	2483.3	2604.4								
G14.0	2389.1	2542.0								
G15.0	2277.7	2464.9								
G16.0	2148.4	2371.0								
G17.0	1999.9	2260.8								
G18.0	1837.3	2134.4								
G19.0	1663.7	1990.2								
G20.0	1483.4	1831.3								
G21.0	1301.3	1659.7								
G22.0	1121.6	1480.9								
G23.0	948.3	1301.0								
G24.0	790.4	1124.2								
G25.0	649.7	953.2								
G26.0	530.2	798.4								
G27.0	431.5	662.6								
G28.0	352.2	546.8								
G29.0	288.9	450.8								
G30.0	240.2	375.3								
G31.0	202.4	312.4								
G32.0	172.2	262.1								
G33.0	146.8	222.7								
G34.0	126.4	190.0								
G35.0	108.3	163.6								
G36.0	93.7	141.2								

C Plane (°):0.0-180.0: 180.0
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Temperature:
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.030 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	80.9	122.0								
G38.0	70.3	105.9								
G39.0	60.5	91.7								
G40.0	52.6	79.3								
G41.0	45.6	68.2								
G42.0	39.7	59.0								
G43.0	34.1	50.5								
G44.0	29.2	43.4								
G45.0	25.3	37.0								
G46.0	21.1	31.2								
G47.0	17.8	25.9								
G48.0	15.2	21.1								
G49.0	13.4	17.5								
G50.0	12.0	14.9								
G51.0	10.2	13.2								
G52.0	8.5	11.1								
G53.0	7.0	9.1								
G54.0	4.9	7.4								
G55.0	3.2	5.8								
G56.0	2.0	4.0								
G57.0	1.2	2.4								
G58.0	1.2	1.2								
G59.0	0.8	0.8								
G60.0	0.2	0.5								
G61.0	0.2	0.3								
G62.0	0.2	0.0								
G63.0	0.3	0.0								
G64.0	0.2	0.0								
G65.0	0.3	0.0								
G66.0	0.2	0.0								
G67.0	0.2	0.0								
G68.0	0.2	0.0								
G69.0	0.2	0.0								
G70.0	0.3	0.0								
G71.0	0.2	0.0								
G72.0	0.3	0.0								
G73.0	0.2	0.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

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Temperature:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.030 m

Humidity:

Inspector:

Unit: cd

Inspector: