

Report No.:

Test Time: 2025-08-23 16:48

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 32.04530 24D

Luminous Width (mm): -78

Current: 0.118 A

Power Factor: 0.967

Luminous Length (mm): -78

Voltage: 230.1 V

Power: 26.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3405.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H63.3

Vertical Diffuse Angle(50%): V63.3

Luminaire Efficacy Rating (LER): 129.53

Max. Intensity: 3875.61 cd

S/MH(C0/C180): 0.96

Total Rated Lamp Lumens: 3405.3 lm

Efficiency: 100%

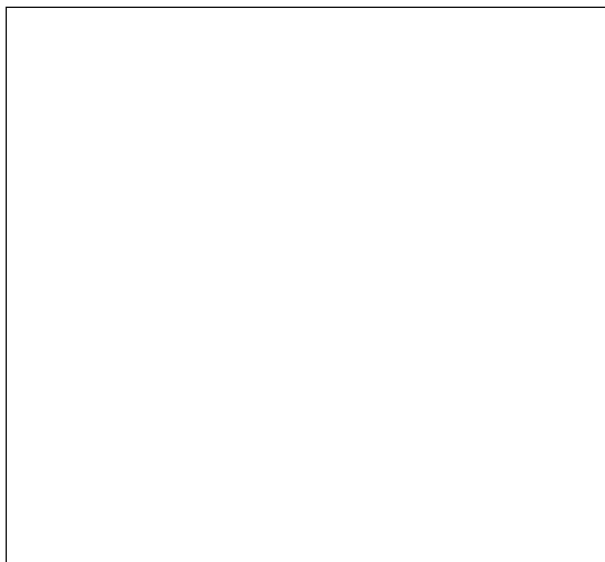
Upward Ratio: 0%

Central Intensity: 3839.52 cd

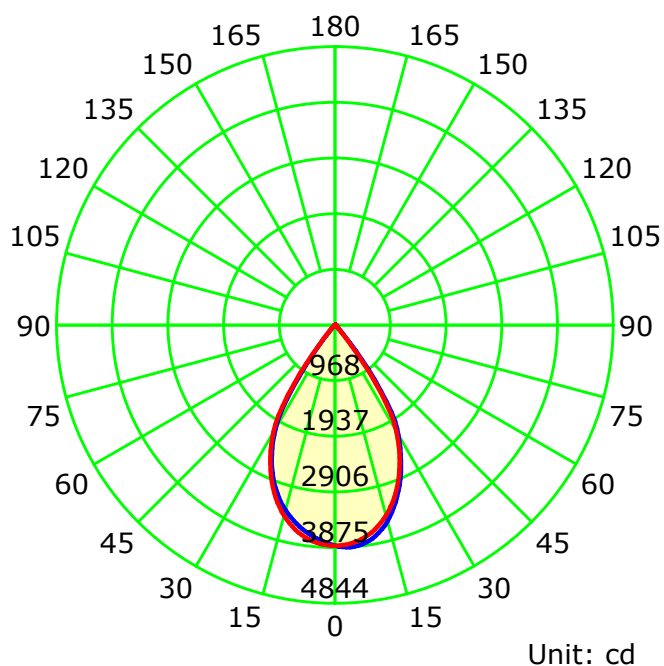
Pos of Max. Intensity: H0 V4

S/MH(C90/C270): 0.96

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

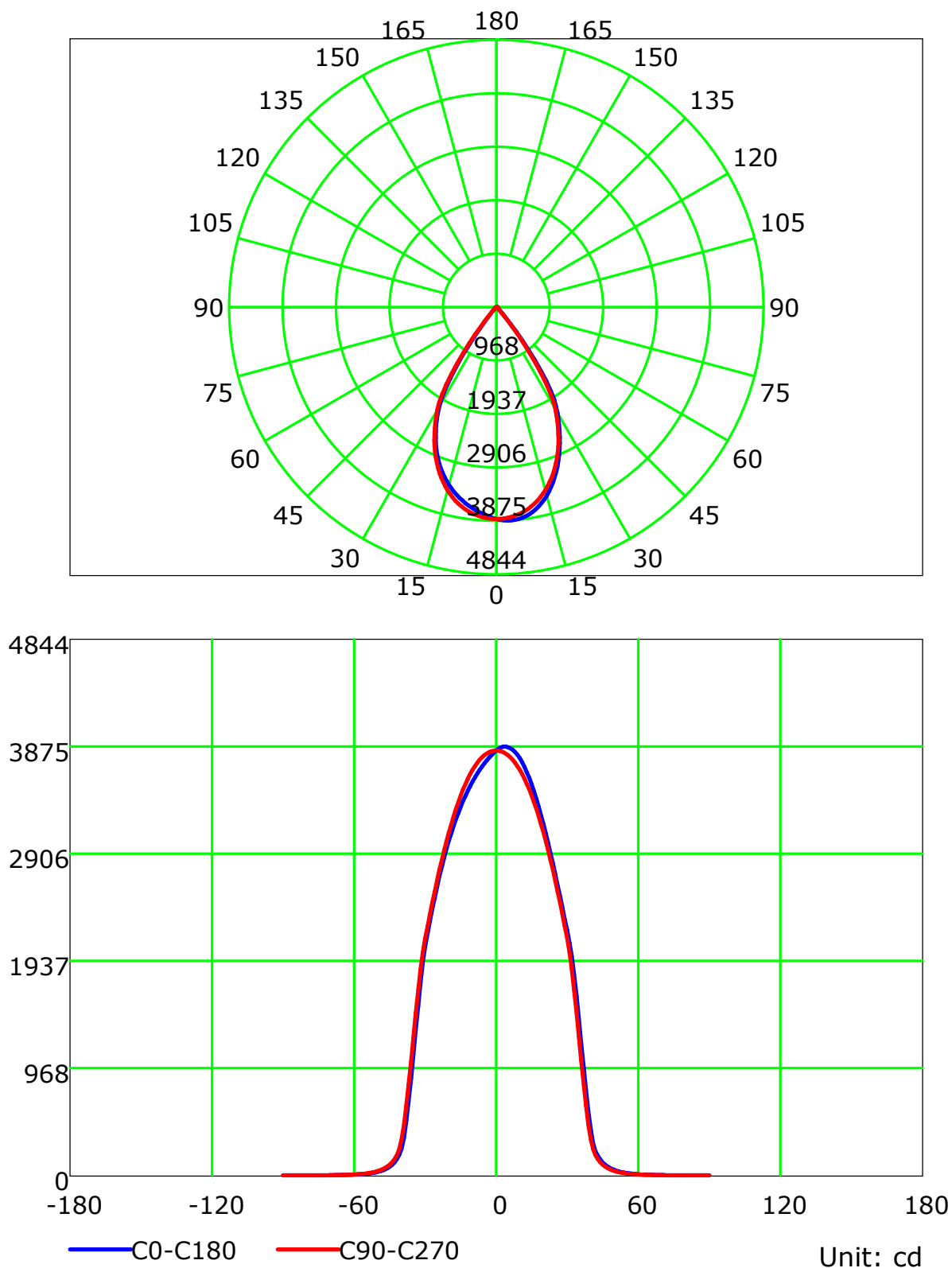
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

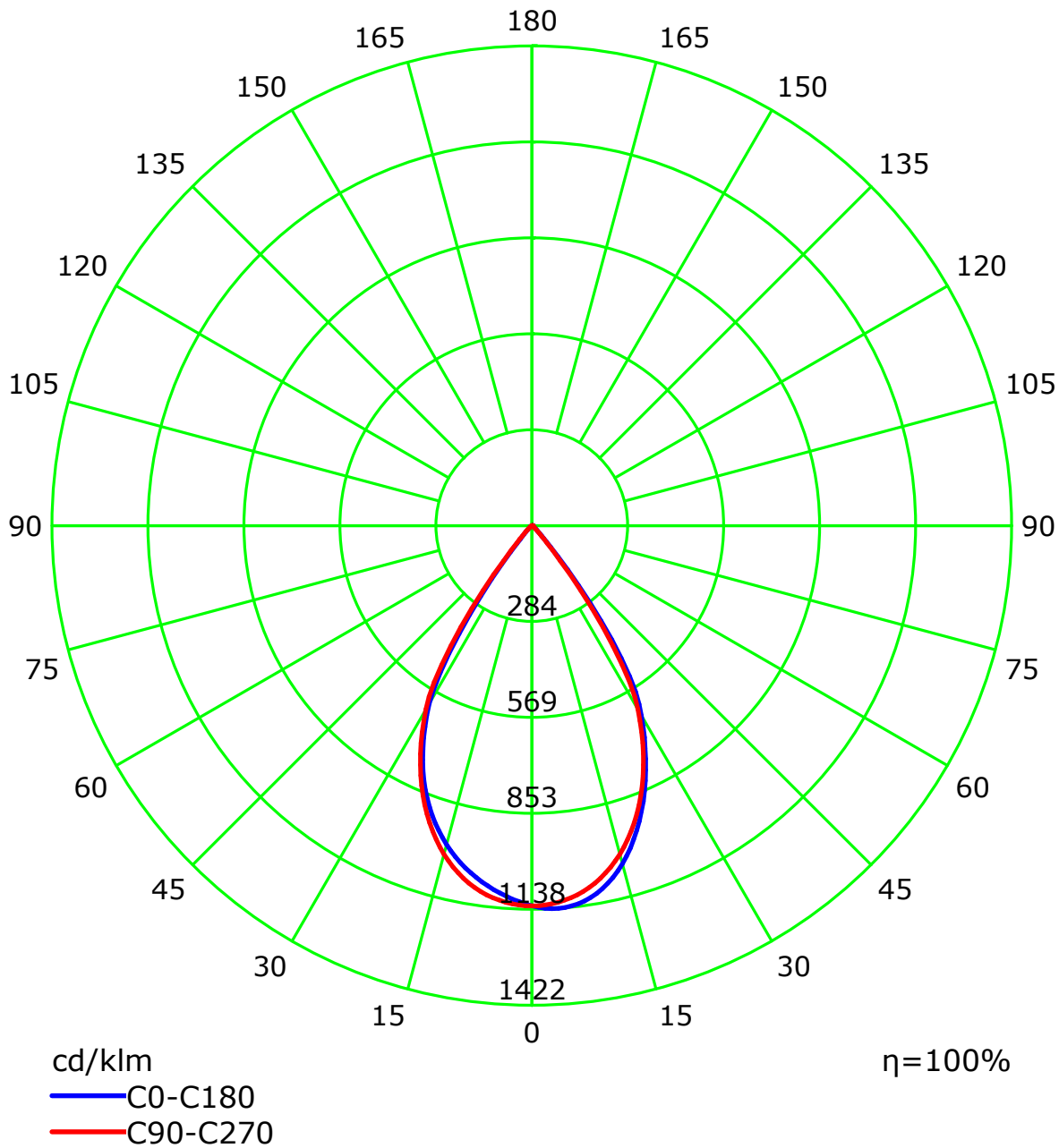
Luminous Intensity Distribution Curve



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:

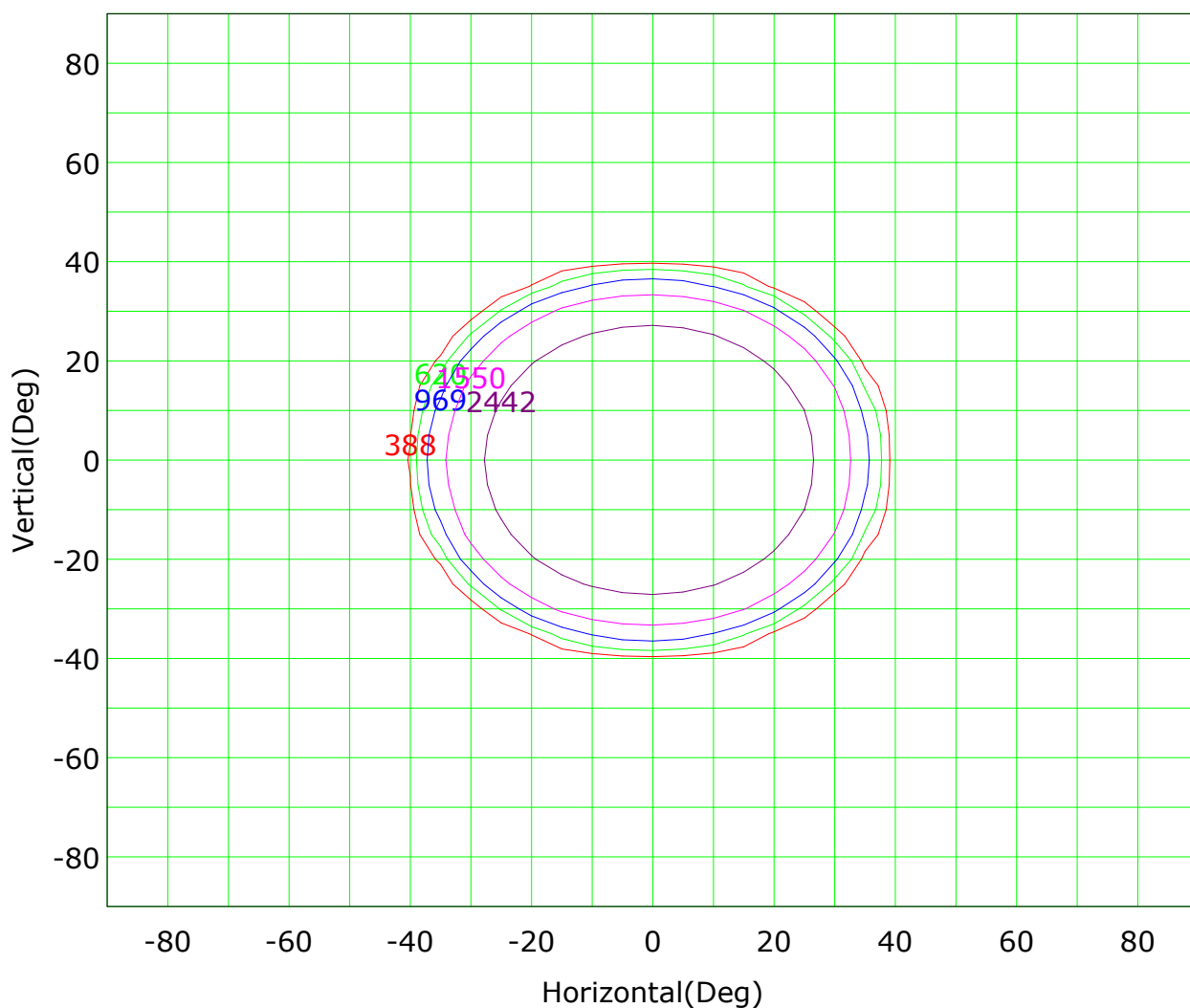
Luminous Intensity Distribution Curve(cd/klm)



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%): 3876 cd

(10%): 388 cd	(16%): 620 cd
(25%): 969 cd	(40%): 1550 cd
(63%): 2442 cd	(100%): 3876 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

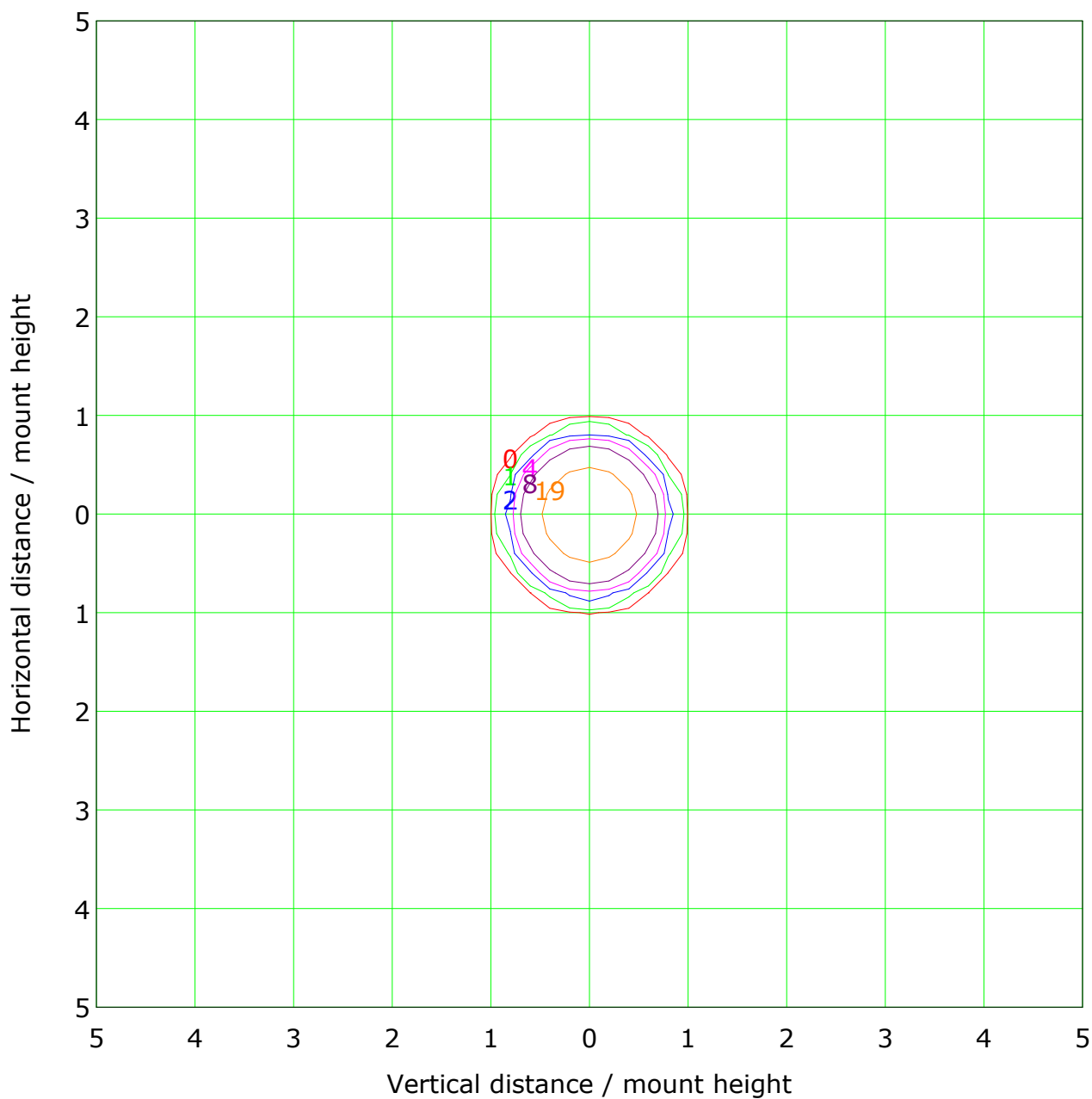
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



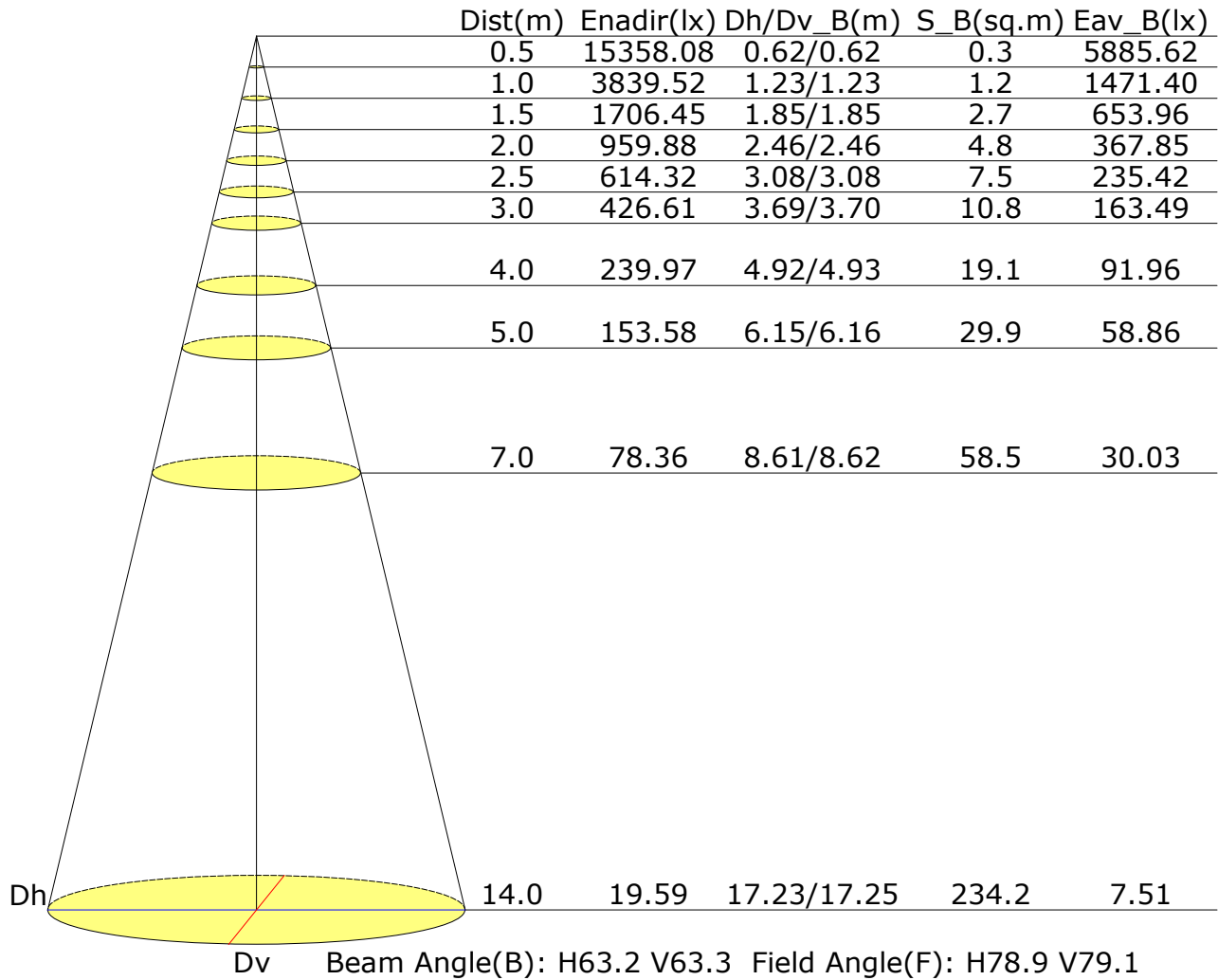
Mounting Height: 10.0m Max Lux(100%): 38.6 lx

(1%): 0.4 lx	(2%): 0.8 lx
(5%): 1.9 lx	(10%): 3.9 lx
(20%): 7.7 lx	(50%): 19.3 lx
(100%): 38.6 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: 2.905 m
Humidity:
Inspector:

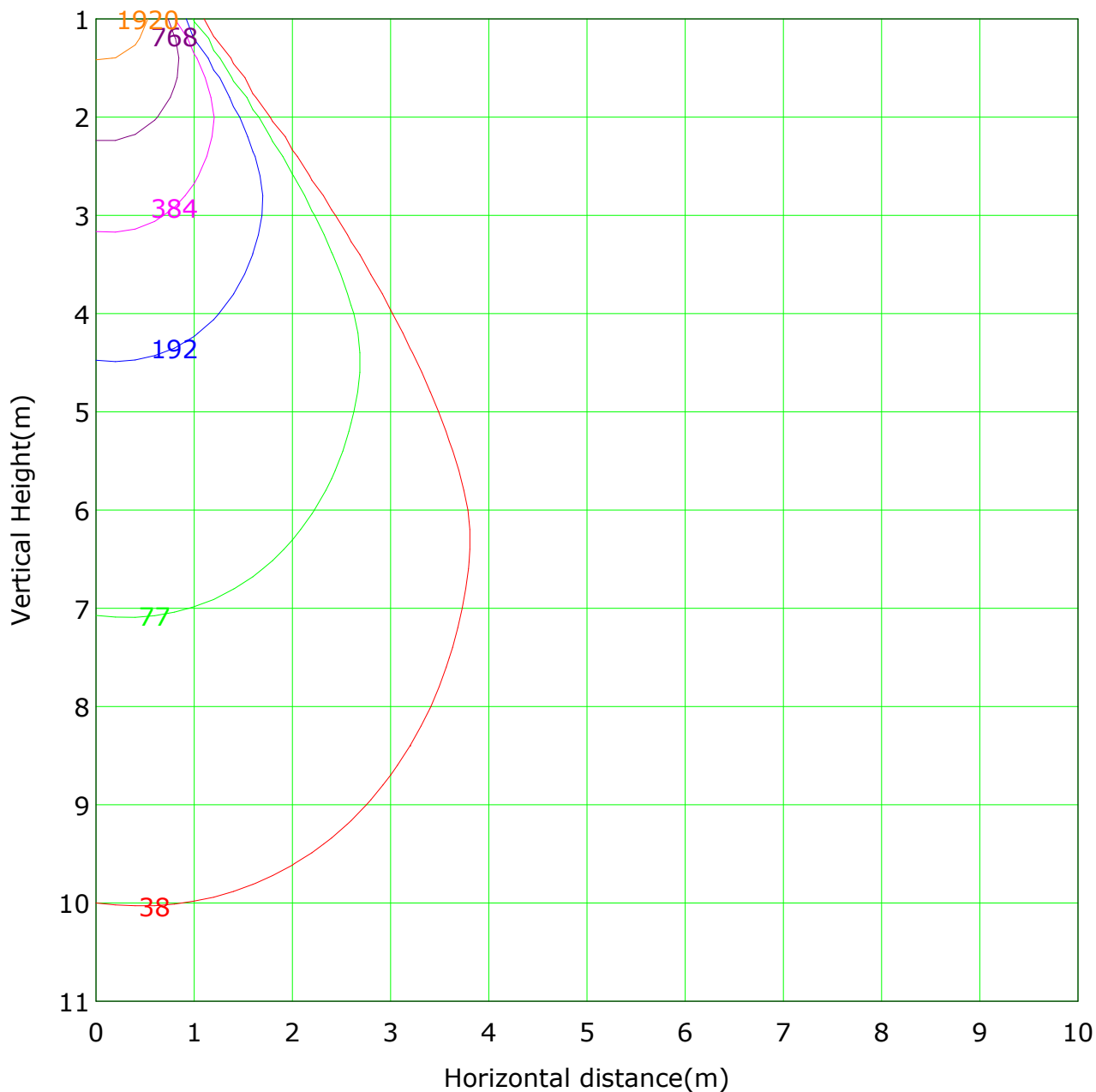
Illuminance at a Distance



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:

Vertical IsoLux Plot



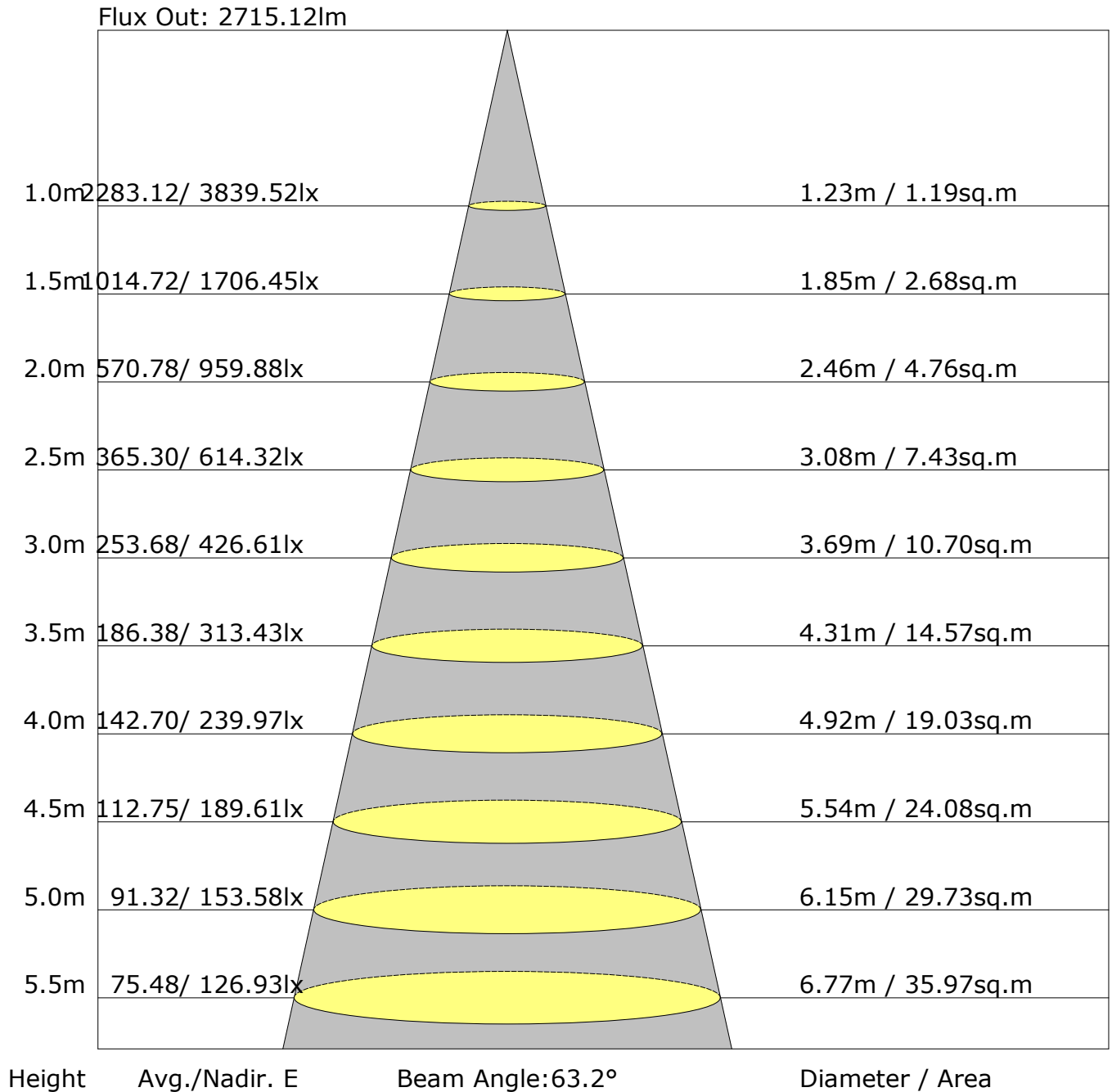
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3839.5 lx
— (1%): 38.4 lx — (2%): 76.8 lx
— (5%): 192.0 lx — (10%): 384.0 lx
— (20%): 767.9 lx — (50%): 1919.8 lx
— (100%): 3839.5 lx

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: 2.905 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 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	23.8	24.6	24.0	24.8	25.0	23.4	24.2	23.6	24.4	24.6
3H	23.6	24.4	23.9	24.6	24.9	23.2	24.0	23.5	24.2	24.5
4H	23.5	24.2	23.8	24.5	24.8	23.2	23.9	23.5	24.1	24.4
6H	23.5	24.1	23.8	24.4	24.7	23.1	23.7	23.4	24.0	24.3
8H	23.4	24.1	23.8	24.4	24.7	23.1	23.7	23.4	24.0	24.3
12H	23.4	24.0	23.7	24.3	24.6	23.0	23.6	23.4	23.9	24.2
X=4H Y=2H	23.5	24.2	23.8	24.5	24.8	23.2	23.9	23.5	24.1	24.4
3H	23.4	24.0	23.7	24.3	24.6	23.0	23.6	23.4	23.9	24.2
4H	23.3	23.8	23.7	24.2	24.5	22.9	23.5	23.3	23.8	24.2
6H	23.2	23.7	23.6	24.1	24.5	22.9	23.3	23.3	23.7	24.1
8H	23.2	23.6	23.6	24.0	24.4	22.8	23.2	23.2	23.6	24.0
12H	23.1	23.5	23.6	23.9	24.4	22.8	23.2	23.2	23.6	24.0
X=8H Y=4H	23.2	23.6	23.6	24.0	24.4	22.8	23.2	23.2	23.6	24.0
6H	23.1	23.4	23.5	23.9	24.3	22.7	23.1	23.2	23.5	23.9
8H	23.0	23.4	23.5	23.8	24.3	22.7	23.0	23.1	23.4	23.9
12H	23.0	23.3	23.5	23.7	24.2	22.6	22.9	23.1	23.4	23.9
X=12H Y=4H	23.1	23.5	23.6	23.9	24.4	22.8	23.2	23.2	23.6	24.0
6H	23.0	23.4	23.5	23.8	24.3	22.7	23.0	23.1	23.4	23.9
8H	23.0	23.3	23.5	23.7	24.2	22.6	22.9	23.1	23.4	23.9
Variations with the observer position at spacings:										
S=1.0H	+5.8/-15.8					+5.8/-16.3				
S=1.5H	+8.6/-19.3					+8.6/-19.7				
S=2.0H	+10.6/-21.4					+10.6/-21.6				

Calculate in accordance with CIE Pub.117. The table is revised with 3405lm ($8\log(F/F_0) = 4.3$).

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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	1745	51.2
	FL (0°-30°)	1282	37.6
	FM (30°-60°)	459	13.5
	FH (60°-80°)	3	0.1
	FVH (80°-90°)	0	0.0
	BACK LIGHT	1660	48.8
	BL (0°-30°)	1250	36.7
	BM (30°-60°)	407	12.0
	BH (60°-80°)	3	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: 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	3839.1	3.7	3.7	0.11	0.11
1.0-2.0	3835.8	11.0	14.7	0.32	0.43
2.0-3.0	3829.2	18.3	33.0	0.54	0.97
3.0-4.0	3819.2	25.6	58.6	0.75	1.72
4.0-5.0	3805.3	32.7	91.3	0.96	2.68
5.0-6.0	3788.4	39.8	131.1	1.17	3.85
6.0-7.0	3767.9	46.8	177.9	1.37	5.22
7.0-8.0	3743.4	53.6	231.5	1.57	6.80
8.0-9.0	3715.4	60.2	291.7	1.77	8.57
9.0-10.0	3683.2	66.7	358.4	1.96	10.52
10.0-11.0	3646.7	72.9	431.2	2.14	12.66
11.0-12.0	3606.7	78.9	510.1	2.32	14.98
12.0-13.0	3562.7	84.6	594.7	2.48	17.46
13.0-14.0	3514.3	90.0	684.6	2.64	20.11
14.0-15.0	3462.0	95.1	779.7	2.79	22.90
15.0-16.0	3405.5	99.8	879.5	2.93	25.83
16.0-17.0	3344.1	104.2	983.6	3.06	28.89
17.0-18.0	3278.9	108.1	1091.8	3.18	32.06
18.0-19.0	3210.1	111.7	1203.5	3.28	35.34
19.0-20.0	3137.2	114.8	1318.3	3.37	38.71
20.0-21.0	3060.7	117.5	1435.8	3.45	42.17
21.0-22.0	2980.8	119.8	1555.6	3.52	45.68
22.0-23.0	2896.1	121.5	1677.2	3.57	49.25
23.0-24.0	2807.4	122.8	1799.9	3.60	52.86
24.0-25.0	2714.2	123.4	1923.4	3.62	56.48
25.0-26.0	2616.6	123.5	2046.9	3.63	60.11
26.0-27.0	2516.6	123.1	2170.0	3.62	63.73
27.0-28.0	2414.1	122.2	2292.3	3.59	67.32
28.0-29.0	2308.3	120.8	2413.1	3.55	70.86
29.0-30.0	2198.8	118.7	2531.8	3.49	74.35
30.0-31.0	2079.7	115.7	2647.5	3.40	77.75
31.0-32.0	1939.6	111.1	2758.7	3.26	81.01
32.0-33.0	1769.5	104.3	2862.9	3.06	84.07
33.0-34.0	1572.0	95.1	2958.1	2.79	86.87
34.0-35.0	1359.4	84.4	3042.5	2.48	89.35
35.0-36.0	1142.2	72.7	3115.3	2.14	91.48

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	928.4	60.6	3175.8	1.78	93.26
37.0-38.0	727.3	48.6	3224.4	1.43	94.69
38.0-39.0	545.1	37.2	3261.6	1.09	95.78
39.0-40.0	391.5	27.3	3288.9	0.80	96.58
40.0-41.0	280.0	19.9	3308.8	0.59	97.17
41.0-42.0	209.2	15.2	3324.0	0.45	97.62
42.0-43.0	165.2	12.2	3336.3	0.36	97.97
43.0-44.0	133.6	10.1	3346.4	0.30	98.27
44.0-45.0	108.6	8.3	3354.7	0.25	98.52
45.0-46.0	89.3	7.0	3361.7	0.21	98.72
46.0-47.0	74.5	5.9	3367.6	0.17	98.89
47.0-48.0	62.4	5.0	3372.7	0.15	99.04
48.0-49.0	52.4	4.3	3377.0	0.13	99.17
49.0-50.0	44.3	3.7	3380.7	0.11	99.28
50.0-51.0	37.4	3.2	3383.8	0.09	99.37
51.0-52.0	31.7	2.7	3386.6	0.08	99.45
52.0-53.0	27.0	2.4	3388.9	0.07	99.52
53.0-54.0	23.0	2.0	3390.9	0.06	99.58
54.0-55.0	19.6	1.8	3392.7	0.05	99.63
55.0-56.0	16.9	1.5	3394.2	0.04	99.68
56.0-57.0	14.6	1.3	3395.5	0.04	99.71
57.0-58.0	12.6	1.2	3396.7	0.03	99.75
58.0-59.0	10.9	1.0	3397.7	0.03	99.78
59.0-60.0	9.4	0.9	3398.6	0.03	99.81
60.0-61.0	8.3	0.8	3399.4	0.02	99.83
61.0-62.0	7.2	0.7	3400.1	0.02	99.85
62.0-63.0	6.2	0.6	3400.7	0.02	99.87
63.0-64.0	5.5	0.5	3401.2	0.02	99.88
64.0-65.0	4.9	0.5	3401.7	0.01	99.90
65.0-66.0	4.3	0.4	3402.2	0.01	99.91
66.0-67.0	3.8	0.4	3402.5	0.01	99.92
67.0-68.0	3.4	0.3	3402.9	0.01	99.93
68.0-69.0	3.0	0.3	3403.2	0.01	99.94
69.0-70.0	2.6	0.3	3403.5	0.01	99.95
70.0-71.0	2.3	0.2	3403.7	0.01	99.95
71.0-72.0	2.0	0.2	3403.9	0.01	99.96

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: 2.905 m
Humidity:
Inspector:

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	3839.5	3839.5								
G1.0	3855.7	3821.5								
G2.0	3866.6	3799.2								
G3.0	3873.6	3777.3								
G4.0	3875.6	3750.4								
G5.0	3870.3	3724.7								
G6.0	3861.8	3697.0								
G7.0	3847.6	3665.1								
G8.0	3827.2	3633.5								
G9.0	3802.7	3598.3								
G10.0	3771.6	3560.2								
G11.0	3734.1	3521.1								
G12.0	3692.7	3479.1								
G13.0	3645.4	3433.5								
G14.0	3592.7	3385.4								
G15.0	3535.9	3334.0								
G16.0	3473.1	3278.9								
G17.0	3403.6	3220.8								
G18.0	3330.9	3160.1								
G19.0	3254.1	3095.1								
G20.0	3173.4	3026.2								
G21.0	3089.9	2953.4								
G22.0	3003.4	2876.3								
G23.0	2912.6	2792.2								
G24.0	2820.3	2704.4								
G25.0	2723.0	2609.0								
G26.0	2622.6	2511.9								
G27.0	2522.6	2409.4								
G28.0	2421.9	2302.3								
G29.0	2317.4	2191.7								
G30.0	2215.2	2071.0								
G31.0	2102.2	1930.3								
G32.0	1980.1	1745.9								
G33.0	1815.8	1536.4								
G34.0	1618.7	1316.9								
G35.0	1407.3	1094.6								
G36.0	1188.2	878.8								

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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	973.3	673.5								
G38.0	768.0	494.5								
G39.0	575.8	341.9								
G40.0	411.3	237.2								
G41.0	287.1	184.5								
G42.0	217.5	148.0								
G43.0	177.6	117.8								
G44.0	143.9	95.0								
G45.0	116.8	78.6								
G46.0	97.1	64.9								
G47.0	81.7	54.3								
G48.0	68.3	45.6								
G49.0	57.8	38.2								
G50.0	48.8	32.4								
G51.0	41.3	27.3								
G52.0	35.1	23.4								
G53.0	29.8	19.9								
G54.0	25.5	16.9								
G55.0	21.7	14.5								
G56.0	18.7	12.6								
G57.0	16.2	10.8								
G58.0	14.0	9.4								
G59.0	12.2	8.1								
G60.0	10.5	7.0								
G61.0	9.1	6.4								
G62.0	7.8	5.6								
G63.0	6.7	4.8								
G64.0	6.0	4.3								
G65.0	5.3	3.9								
G66.0	4.8	3.4								
G67.0	4.1	3.1								
G68.0	3.6	2.8								
G69.0	3.2	2.2								
G70.0	2.8	2.1								
G71.0	2.5	1.8								
G72.0	2.2	1.5								
G73.0	2.1	1.4								

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: 2.905 m

Humidity:

Inspector:

Unit: cd

Inspector: