

Report No.:

Test Time: 2025-08-23 17:02

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 32.04530 24D

Luminous Width (mm): -93

Current: 0.179 A

Power Factor: 0.985

Luminous Length (mm): -93

Voltage: 228.1 V

Power: 40.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 4839.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H45

Vertical Diffuse Angle(50%): V45

Luminaire Efficacy Rating (LER): 120.13

Max. Intensity: 7931.51 cd

S/MH(C0/C180): 0.75

Total Rated Lamp Lumens: 4839.3 lm

Efficiency: 100%

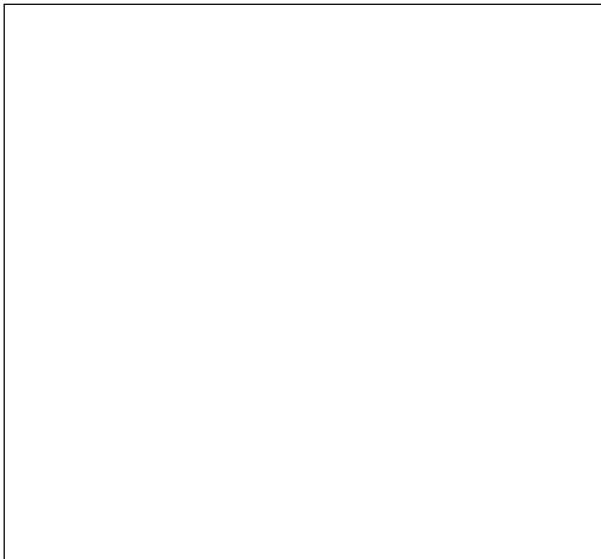
Upward Ratio: 0%

Central Intensity: 7931.51 cd

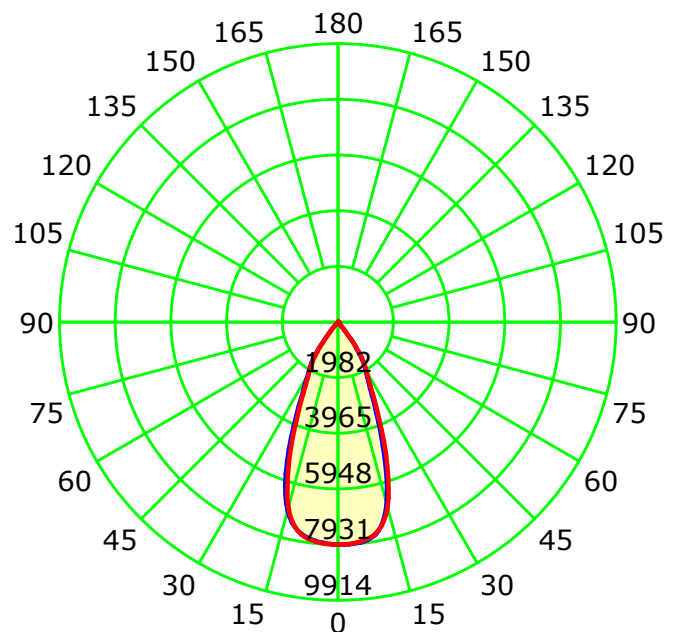
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 0.75

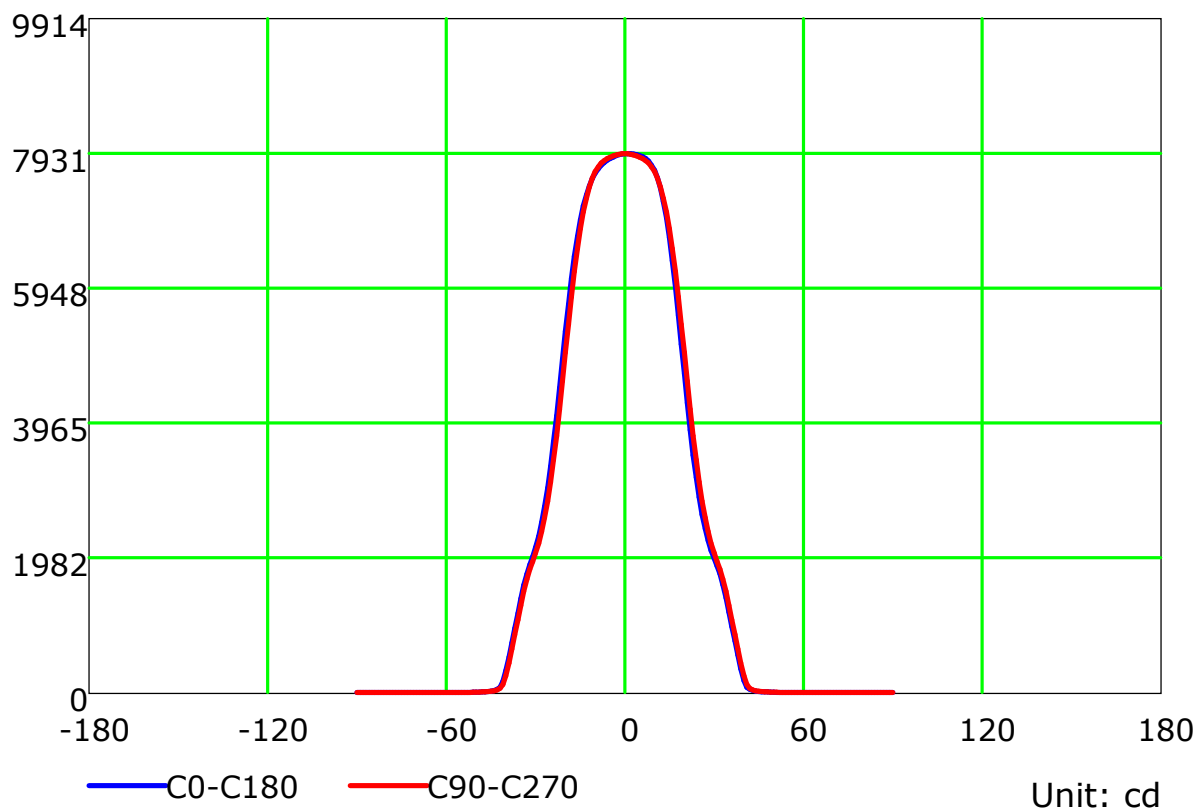
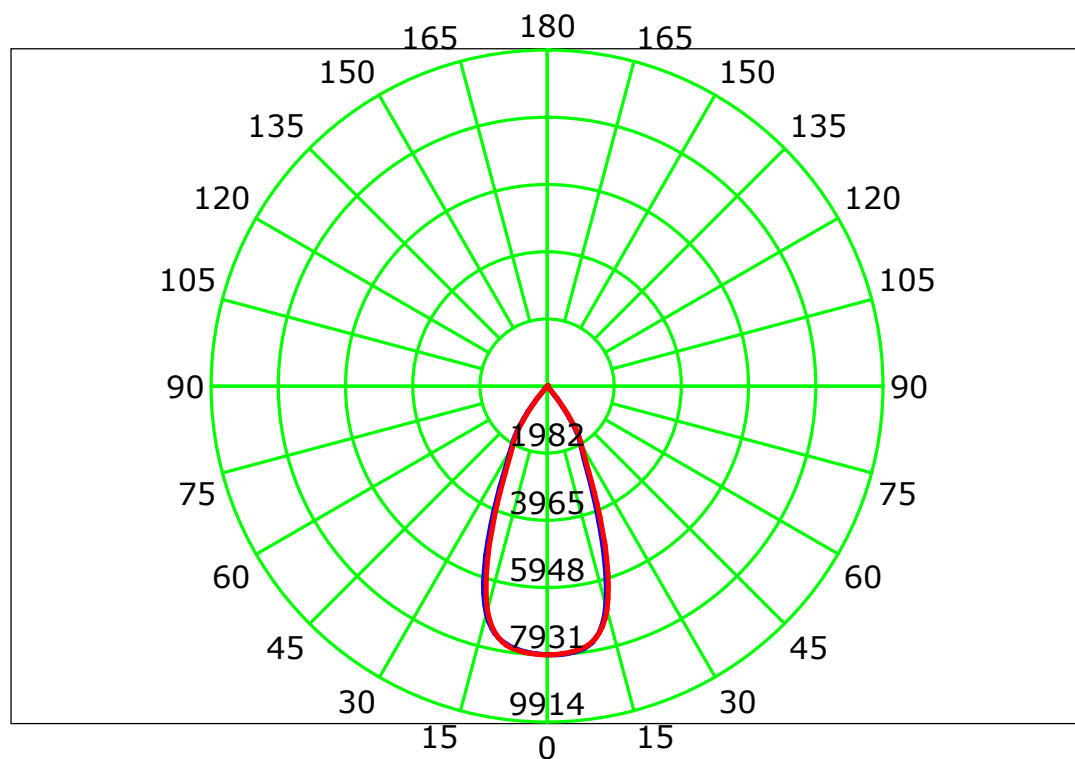
Picture Of Luminaire



Luminous Intensity Distribution Curve



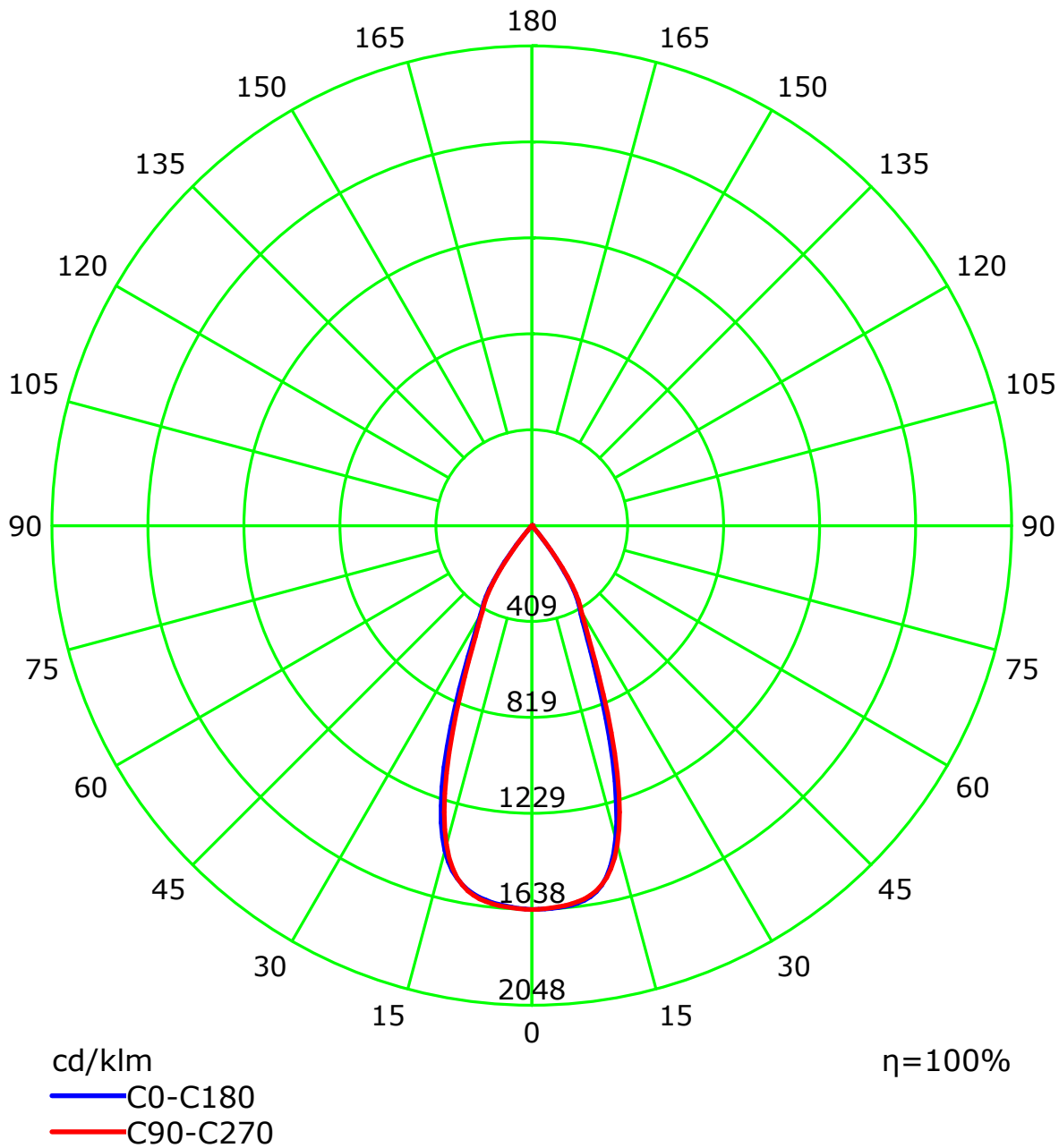
Luminous Intensity Distribution Curve



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:

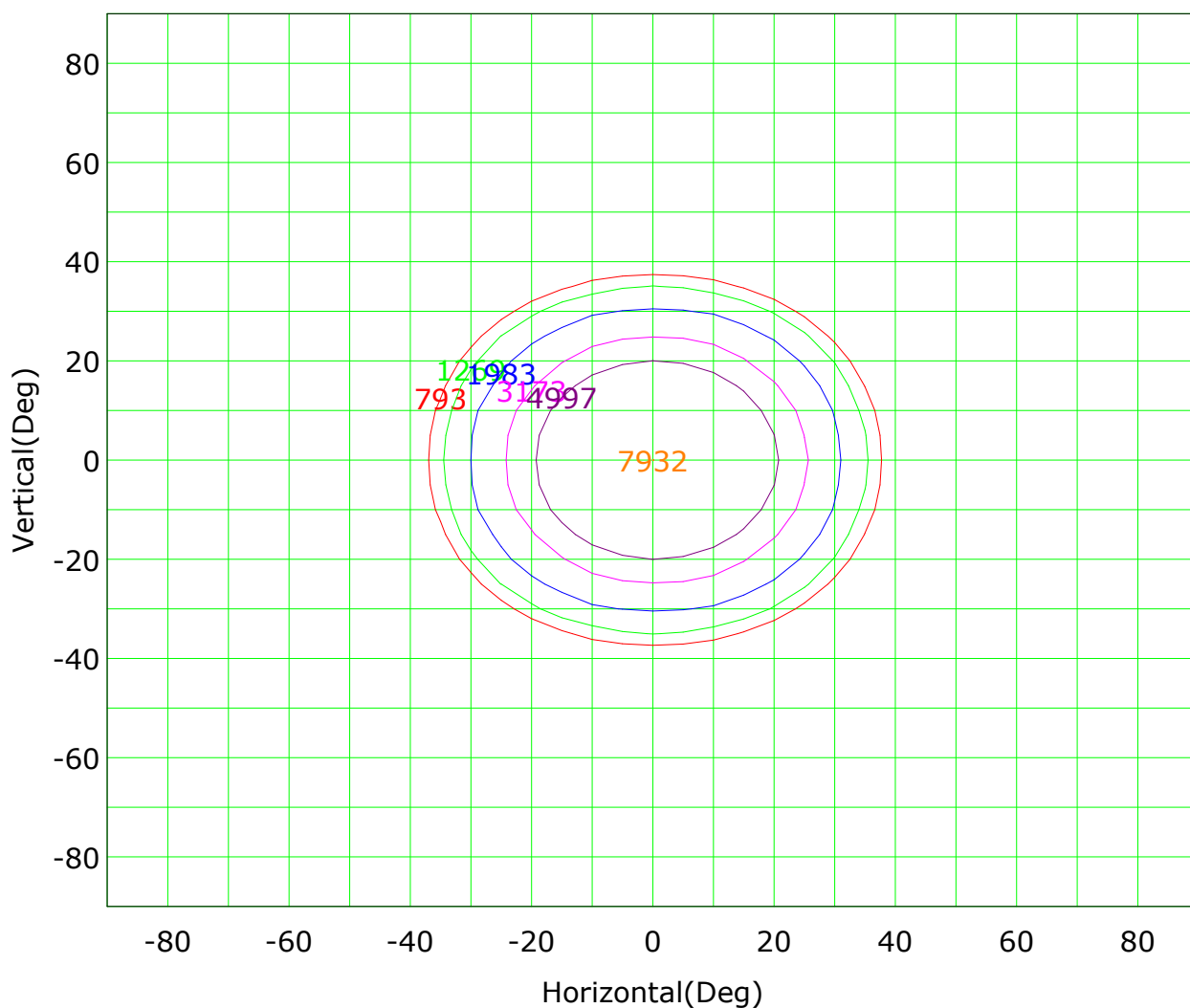
Luminous Intensity Distribution Curve(cd/klm)



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%): 7932 cd

(10%): 793 cd	(16%): 1269 cd
(25%): 1983 cd	(40%): 3173 cd
(63%): 4997 cd	(100%): 7932 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

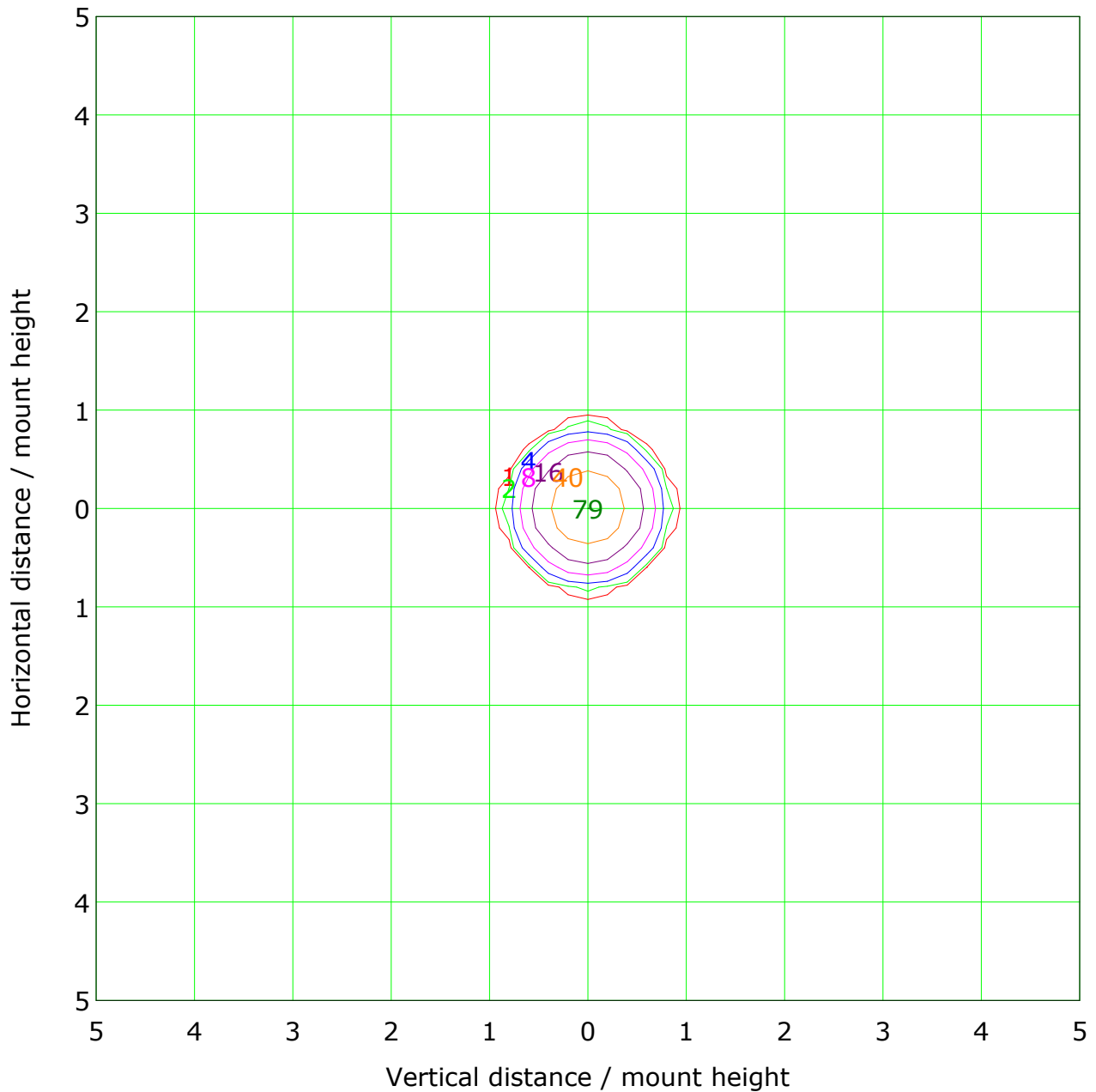
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



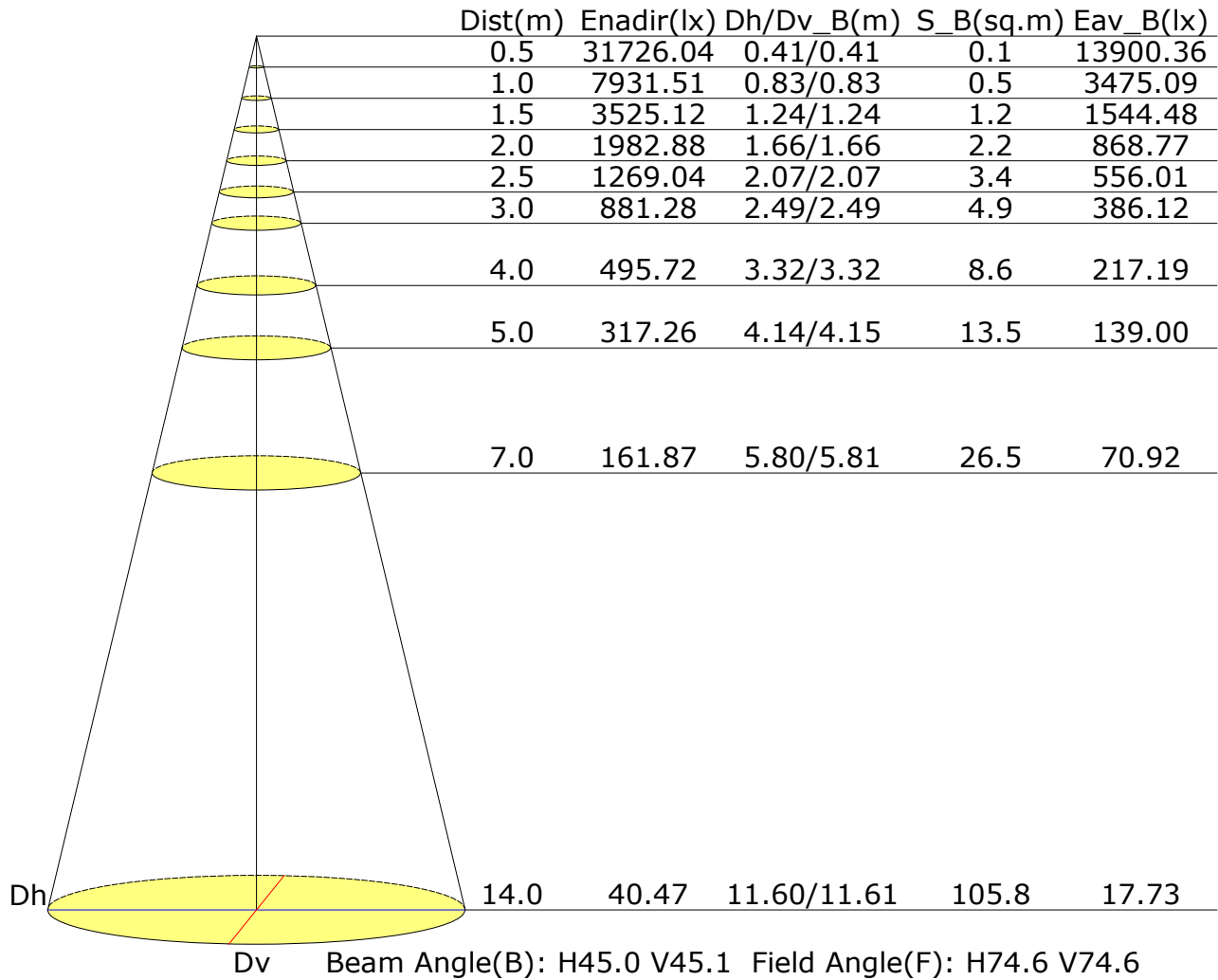
Mounting Height: 10.0m Max Lux(100%): 79.3 lx

(1%): 0.8 lx	(2%): 1.6 lx
(5%): 4.0 lx	(10%): 7.9 lx
(20%): 15.9 lx	(50%): 39.7 lx
(100%): 79.3 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: 2.905 m
Humidity:
Inspector:

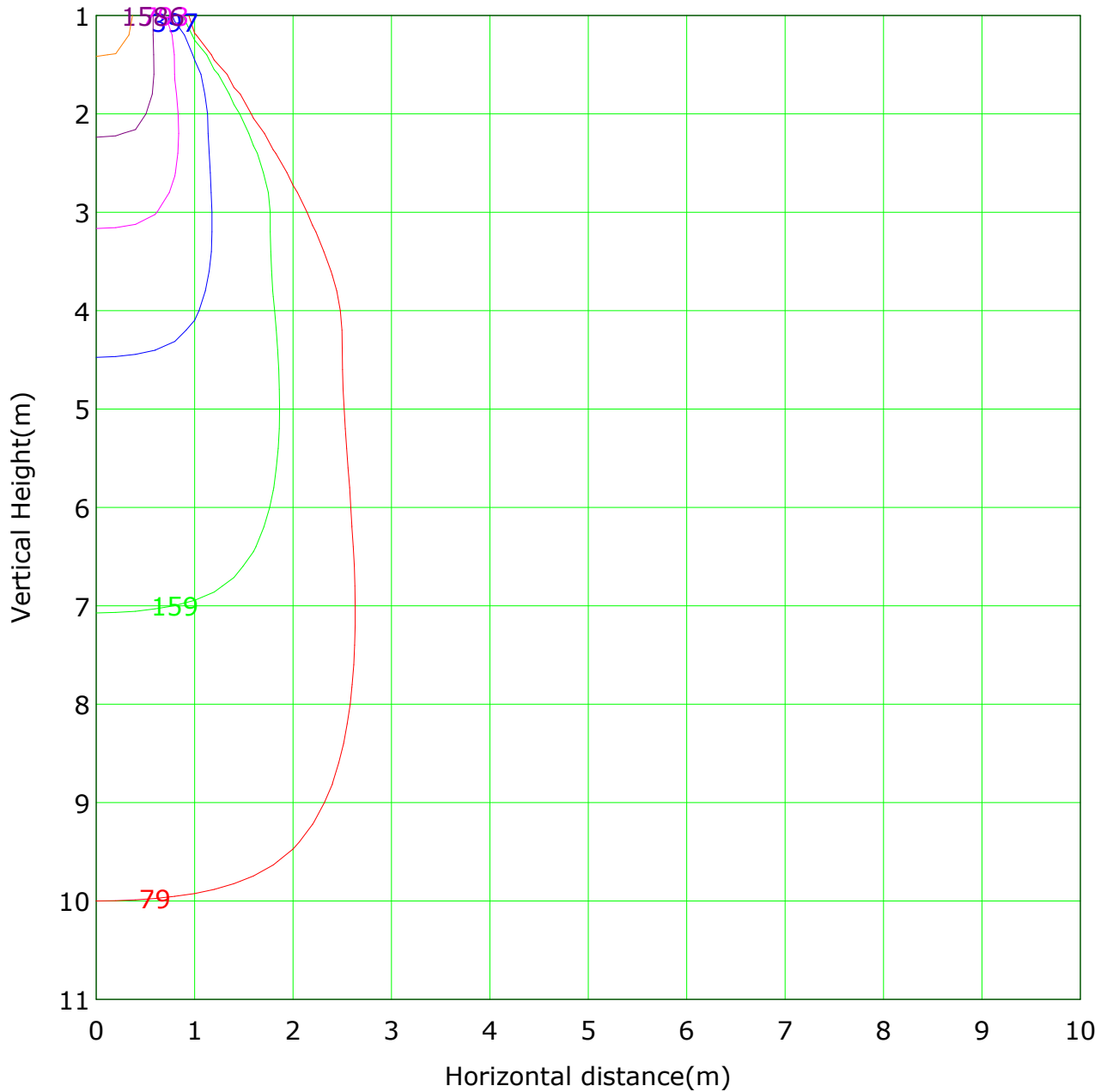
Illuminance at a Distance



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: 7931.5 lx

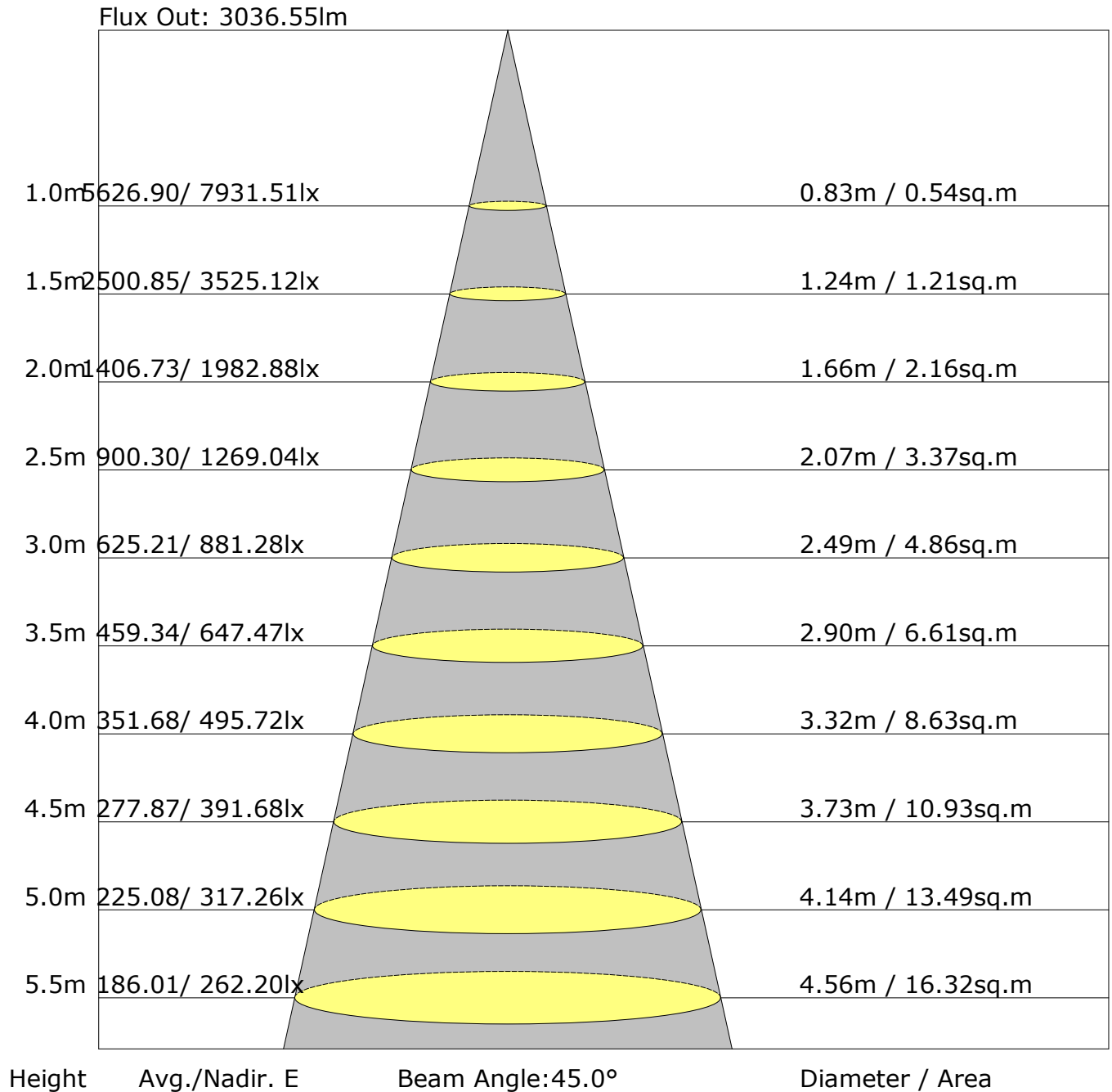
— (1%): 79.3 lx	— (2%): 158.6 lx
— (5%): 396.6 lx	— (10%): 793.2 lx
— (20%):1586.3 lx	— (50%):3965.8 lx
— (100%):7931.5 lx	

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



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	20.3	21.1	20.6	21.3	21.5	20.5	21.3	20.8	21.5	21.7
3H	20.2	20.8	20.4	21.1	21.3	20.4	21.1	20.7	21.3	21.5
4H	20.1	20.7	20.4	21.0	21.2	20.3	21.0	20.6	21.2	21.5
6H	20.0	20.6	20.3	20.9	21.2	20.2	20.8	20.6	21.1	21.4
8H	20.0	20.5	20.3	20.8	21.1	20.2	20.8	20.5	21.1	21.4
12H	19.9	20.5	20.3	20.8	21.1	20.2	20.7	20.5	21.0	21.3
X=4H Y=2H	20.1	20.7	20.4	21.0	21.2	20.3	21.0	20.6	21.2	21.5
3H	19.9	20.5	20.3	20.8	21.1	20.2	20.7	20.5	21.0	21.3
4H	19.8	20.3	20.2	20.7	21.0	20.1	20.6	20.5	20.9	21.2
6H	19.8	20.2	20.2	20.6	20.9	20.0	20.4	20.4	20.8	21.2
8H	19.7	20.1	20.1	20.5	20.9	19.9	20.3	20.4	20.7	21.1
12H	19.7	20.0	20.1	20.4	20.9	19.9	20.2	20.3	20.7	21.1
X=8H Y=4H	19.7	20.1	20.1	20.5	20.9	19.9	20.3	20.4	20.7	21.1
6H	19.6	19.9	20.1	20.4	20.8	19.8	20.2	20.3	20.6	21.0
8H	19.6	19.9	20.0	20.3	20.8	19.8	20.1	20.3	20.5	21.0
12H	19.5	19.8	20.0	20.2	20.7	19.8	20.0	20.2	20.5	21.0
X=12H Y=4H	19.7	20.0	20.1	20.4	20.9	19.9	20.2	20.3	20.7	21.1
6H	19.6	19.9	20.0	20.3	20.8	19.8	20.1	20.3	20.5	21.0
8H	19.5	19.8	20.0	20.2	20.7	19.8	20.0	20.2	20.5	21.0
Variations with the observer position at spacings:										
S=1.0H	+6.1/-56.3					+6.1/-41.9				
S=1.5H	+8.9/-1.\$					+8.9/-1.\$				
S=2.0H	+10.9/-1.\$					+10.9/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 4839lm ($8\log(F/F_0) = 5.5$).

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Distance: 2.905 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2369	49.0
	FL (0°-30°)	1992	41.2
	FM (30°-60°)	377	7.8
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	2470	51.0
	BL (0°-30°)	2062	42.6
	BM (30°-60°)	408	8.4
	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)	B3 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U0 G0

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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	7929.4	7.6	7.6	0.16	0.16
1.0-2.0	7924.1	22.7	30.3	0.47	0.63
2.0-3.0	7916.4	37.9	68.2	0.78	1.41
3.0-4.0	7904.5	52.9	121.1	1.09	2.50
4.0-5.0	7888.3	67.9	189.0	1.40	3.91
5.0-6.0	7869.7	82.7	271.7	1.71	5.61
6.0-7.0	7843.7	97.4	369.1	2.01	7.63
7.0-8.0	7809.0	111.8	480.9	2.31	9.94
8.0-9.0	7763.0	125.8	606.7	2.60	12.54
9.0-10.0	7700.1	139.4	746.0	2.88	15.42
10.0-11.0	7614.8	152.2	898.2	3.14	18.56
11.0-12.0	7502.1	164.0	1062.2	3.39	21.95
12.0-13.0	7357.5	174.6	1236.9	3.61	25.56
13.0-14.0	7174.9	183.7	1420.5	3.80	29.35
14.0-15.0	6950.3	190.8	1611.4	3.94	33.30
15.0-16.0	6679.6	195.7	1807.1	4.05	37.34
16.0-17.0	6364.0	198.2	2005.3	4.10	41.44
17.0-18.0	6009.4	198.2	2203.5	4.09	45.53
18.0-19.0	5622.1	195.6	2399.1	4.04	49.58
19.0-20.0	5212.1	190.8	2589.9	3.94	53.52
20.0-21.0	4793.2	184.1	2774.0	3.80	57.32
21.0-22.0	4377.9	176.0	2950.0	3.64	60.96
22.0-23.0	3977.3	166.9	3116.9	3.45	64.41
23.0-24.0	3604.8	157.6	3274.5	3.26	67.66
24.0-25.0	3264.6	148.5	3423.0	3.07	70.73
25.0-26.0	2959.2	139.7	3562.7	2.89	73.62
26.0-27.0	2695.6	131.9	3694.6	2.73	76.35
27.0-28.0	2473.3	125.2	3819.8	2.59	78.93
28.0-29.0	2285.2	119.6	3939.4	2.47	81.40
29.0-30.0	2127.5	114.9	4054.2	2.37	83.78
30.0-31.0	1994.1	111.0	4165.2	2.29	86.07
31.0-32.0	1872.6	107.3	4272.5	2.22	88.29
32.0-33.0	1741.0	102.6	4375.1	2.12	90.41
33.0-34.0	1578.4	95.5	4470.6	1.97	92.38
34.0-35.0	1386.0	86.1	4556.7	1.78	94.16
35.0-36.0	1176.1	74.9	4631.6	1.55	95.71

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:

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	961.6	62.7	4694.4	1.30	97.01
37.0-38.0	748.1	49.9	4744.3	1.03	98.04
38.0-39.0	539.3	36.8	4781.1	0.76	98.80
39.0-40.0	342.7	23.9	4805.0	0.49	99.29
40.0-41.0	185.7	13.2	4818.2	0.27	99.57
41.0-42.0	92.7	6.7	4825.0	0.14	99.70
42.0-43.0	52.0	3.8	4828.8	0.08	99.78
43.0-44.0	34.1	2.6	4831.4	0.05	99.84
44.0-45.0	23.5	1.8	4833.2	0.04	99.87
45.0-46.0	17.6	1.4	4834.6	0.03	99.90
46.0-47.0	13.7	1.1	4835.7	0.02	99.93
47.0-48.0	11.2	0.9	4836.6	0.02	99.94
48.0-49.0	9.1	0.7	4837.3	0.02	99.96
49.0-50.0	7.4	0.6	4837.9	0.01	99.97
50.0-51.0	6.0	0.5	4838.4	0.01	99.98
51.0-52.0	4.2	0.4	4838.8	0.01	99.99
52.0-53.0	2.5	0.2	4839.0	0.00	99.99
53.0-54.0	1.4	0.1	4839.1	0.00	100.00
54.0-55.0	1.1	0.1	4839.2	0.00	100.00
55.0-56.0	0.3	0.0	4839.3	0.00	100.00
56.0-57.0	0.0	0.0	4839.3	0.00	100.00
57.0-58.0	0.0	0.0	4839.3	0.00	100.00
58.0-59.0	0.0	0.0	4839.3	0.00	100.00
59.0-60.0	0.0	0.0	4839.3	0.00	100.00
60.0-61.0	0.0	0.0	4839.3	0.00	100.00
61.0-62.0	0.0	0.0	4839.3	0.00	100.00
62.0-63.0	0.0	0.0	4839.3	0.00	100.00
63.0-64.0	0.0	0.0	4839.3	0.00	100.00
64.0-65.0	0.0	0.0	4839.3	0.00	100.00
65.0-66.0	0.0	0.0	4839.3	0.00	100.00
66.0-67.0	0.0	0.0	4839.3	0.00	100.00
67.0-68.0	0.0	0.0	4839.3	0.00	100.00
68.0-69.0	0.0	0.0	4839.3	0.00	100.00
69.0-70.0	0.0	0.0	4839.3	0.00	100.00
70.0-71.0	0.0	0.0	4839.3	0.00	100.00
71.0-72.0	0.0	0.0	4839.3	0.00	100.00

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:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	7931.5	7931.5								
G1.0	7931.5	7923.1								
G2.0	7928.7	7913.3								
G3.0	7924.5	7899.2								
G4.0	7914.6	7879.5								
G5.0	7899.2	7859.9								
G6.0	7886.6	7833.2								
G7.0	7857.1	7798.1								
G8.0	7819.2	7761.6								
G9.0	7761.6	7709.6								
G10.0	7685.8	7643.6								
G11.0	7569.2	7560.8								
G12.0	7424.5	7454.0								
G13.0	7228.0	7323.4								
G14.0	6989.2	7159.1								
G15.0	6698.5	6954.1								
G16.0	6357.3	6708.4								
G17.0	5971.1	6419.1								
G18.0	5556.8	6090.5								
G19.0	5128.5	5712.7								
G20.0	4691.8	5315.3								
G21.0	4266.3	4899.6								
G22.0	3866.1	4479.7								
G23.0	3493.9	4069.7								
G24.0	3166.7	3689.1								
G25.0	2873.2	3329.6								
G26.0	2621.8	3012.2								
G27.0	2412.6	2735.6								
G28.0	2241.3	2503.9								
G29.0	2093.8	2301.6								
G30.0	1977.3	2137.4								
G31.0	1863.5	1998.3								
G32.0	1748.4	1880.4								
G33.0	1589.7	1745.6								
G34.0	1398.7	1579.8								
G35.0	1183.8	1381.8								
G36.0	971.8	1167.0								

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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	762.5	945.1								
G38.0	554.7	730.2								
G39.0	352.5	519.6								
G40.0	176.9	321.6								
G41.0	78.6	165.7								
G42.0	50.5	75.8								
G43.0	33.7	47.8								
G44.0	22.5	32.3								
G45.0	16.9	22.5								
G46.0	14.0	16.9								
G47.0	9.8	14.0								
G48.0	9.8	11.2								
G49.0	7.0	8.4								
G50.0	7.0	7.0								
G51.0	2.8	7.0								
G52.0	2.8	4.2								
G53.0	1.4	1.4								
G54.0	0.0	2.8								
G55.0	0.0	1.4								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
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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Temperature:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

Unit: cd

[illegible]

Inspector: