

Report No.:

Test Time: 2026-09-30 19:07

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 32.11911 24D

Luminous Length (mm): -82

Voltage: 230.5 V

Power: 27.30 W

Lamp Description: BLX V13C 3000K

Luminous Width (mm): -82

Current: 0.123 A

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 3225.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24

Vertical Diffuse Angle(50%): V24

Luminaire Efficacy Rating (LER): 118.20

Max. Intensity: 9196.7 cd

S/MH(C0/C180): 0.41

Total Rated Lamp Lumens: 3225.4 lm

Efficiency: 100%

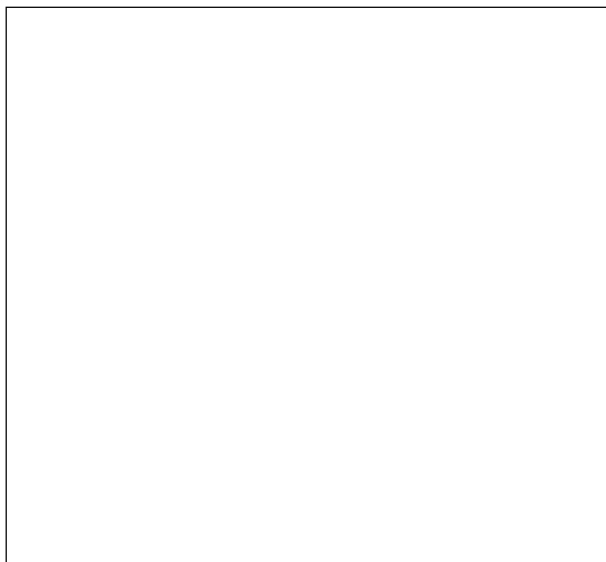
Upward Ratio: 0%

Central Intensity: 9083.61 cd

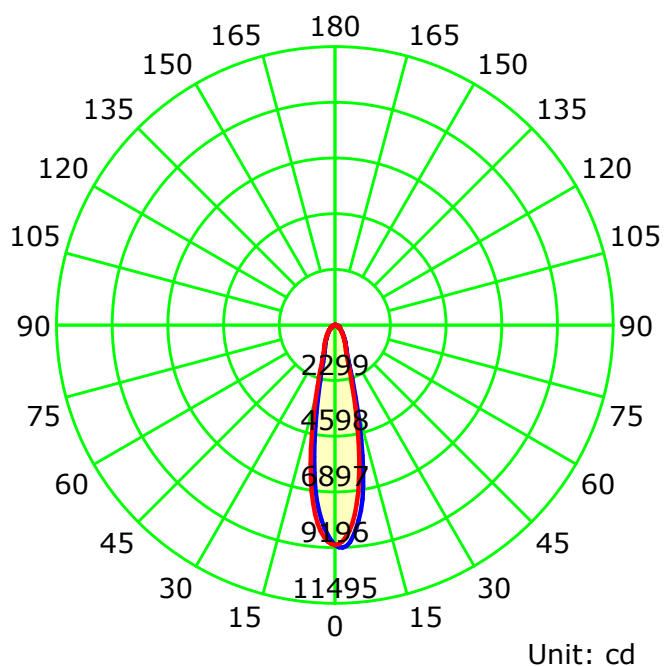
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.41

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

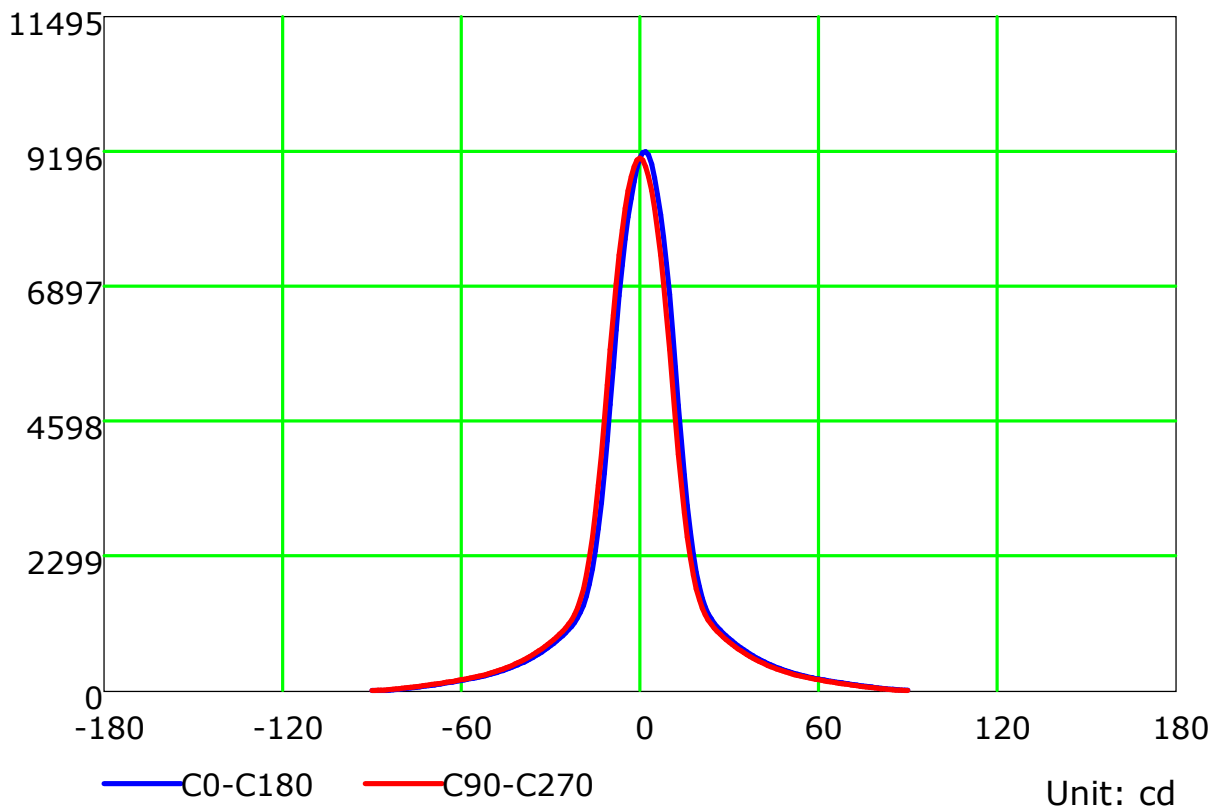
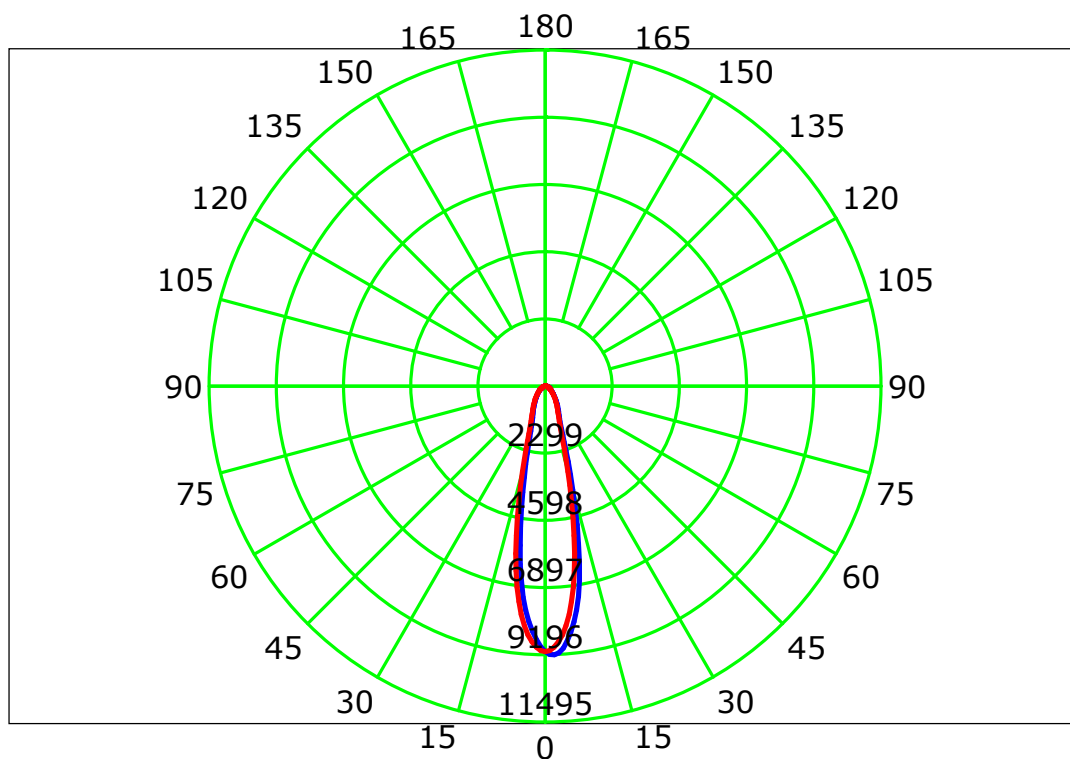
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

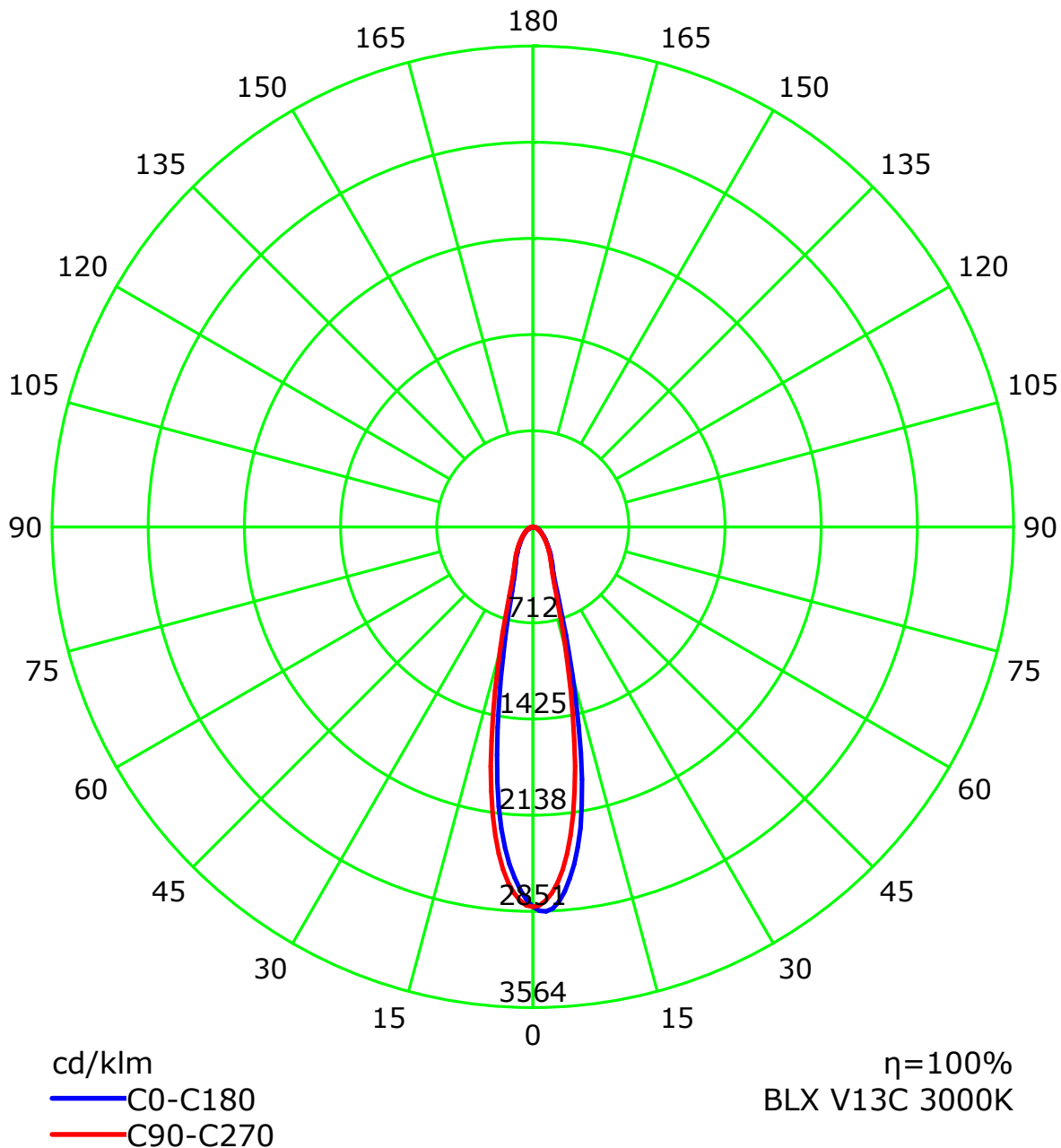
Luminous Intensity Distribution Curve



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:

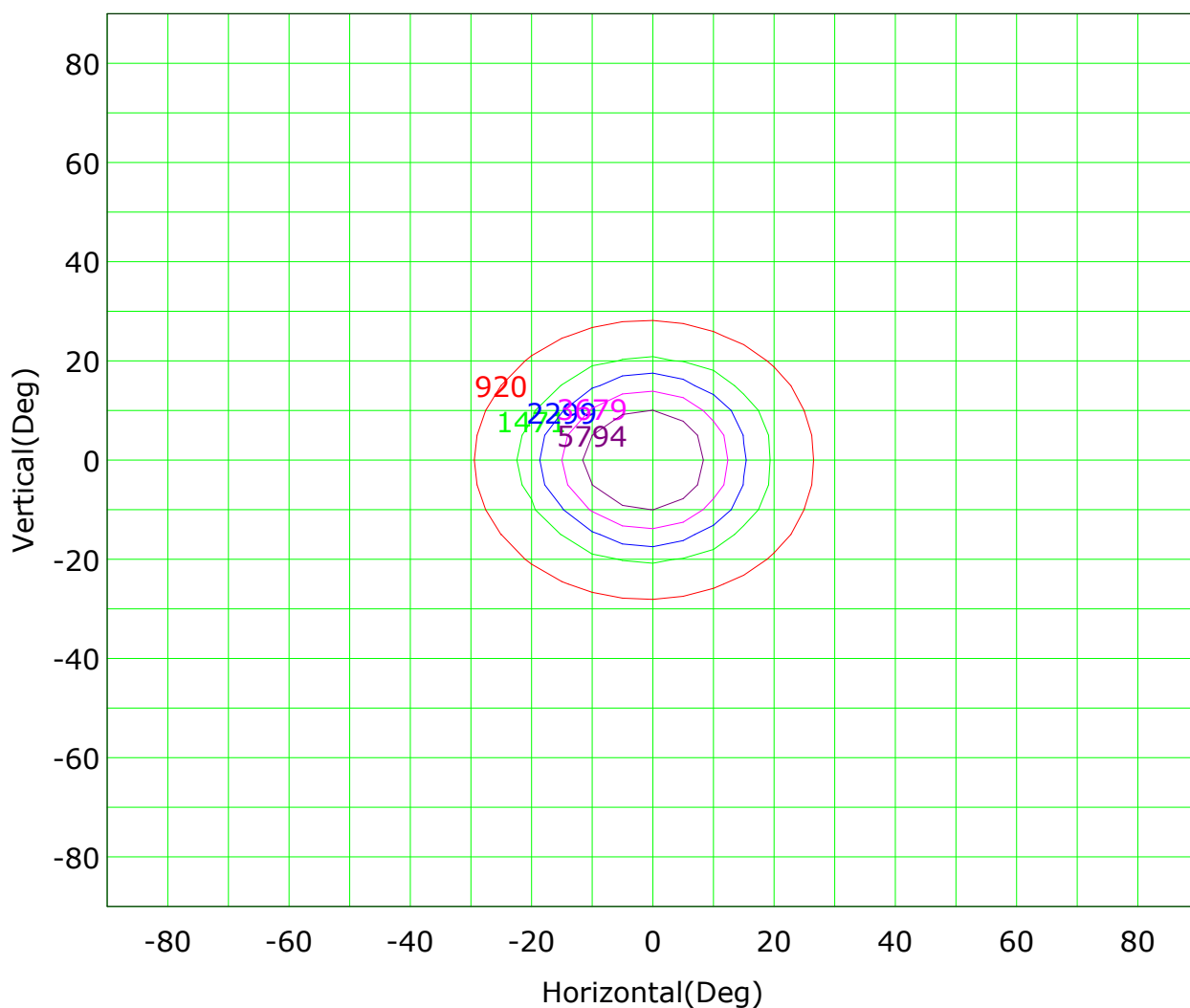
Luminous Intensity Distribution Curve(cd/klm)



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%): 9197 cd

(10%): 920 cd	(16%): 1471 cd
(25%): 2299 cd	(40%): 3679 cd
(63%): 5794 cd	(100%): 9197 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

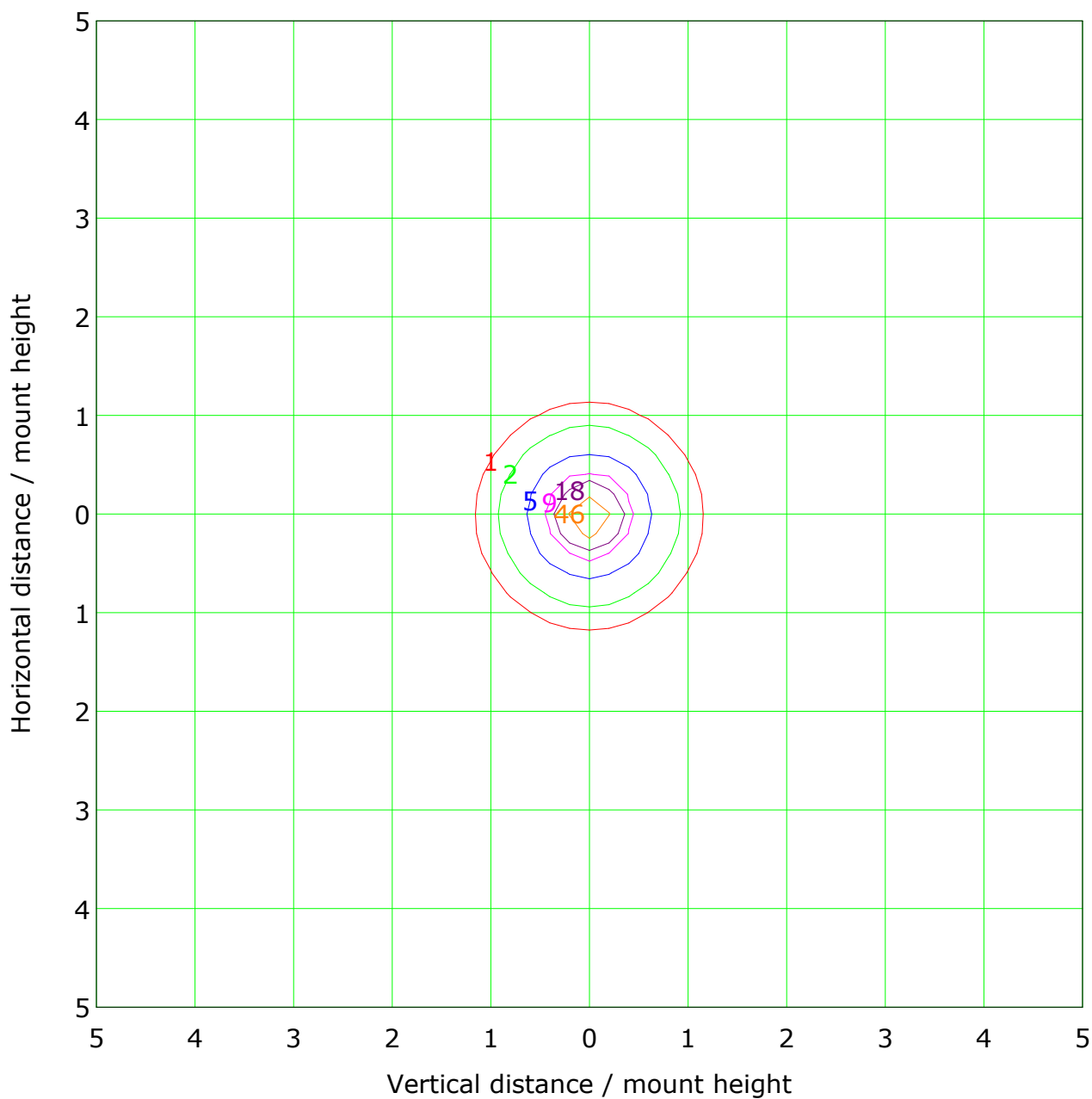
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 91.8 lx

(1%): 0.9 lx	(2%): 1.8 lx
(5%): 4.6 lx	(10%): 9.2 lx
(20%): 18.4 lx	(50%): 45.9 lx
(100%): 91.8 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

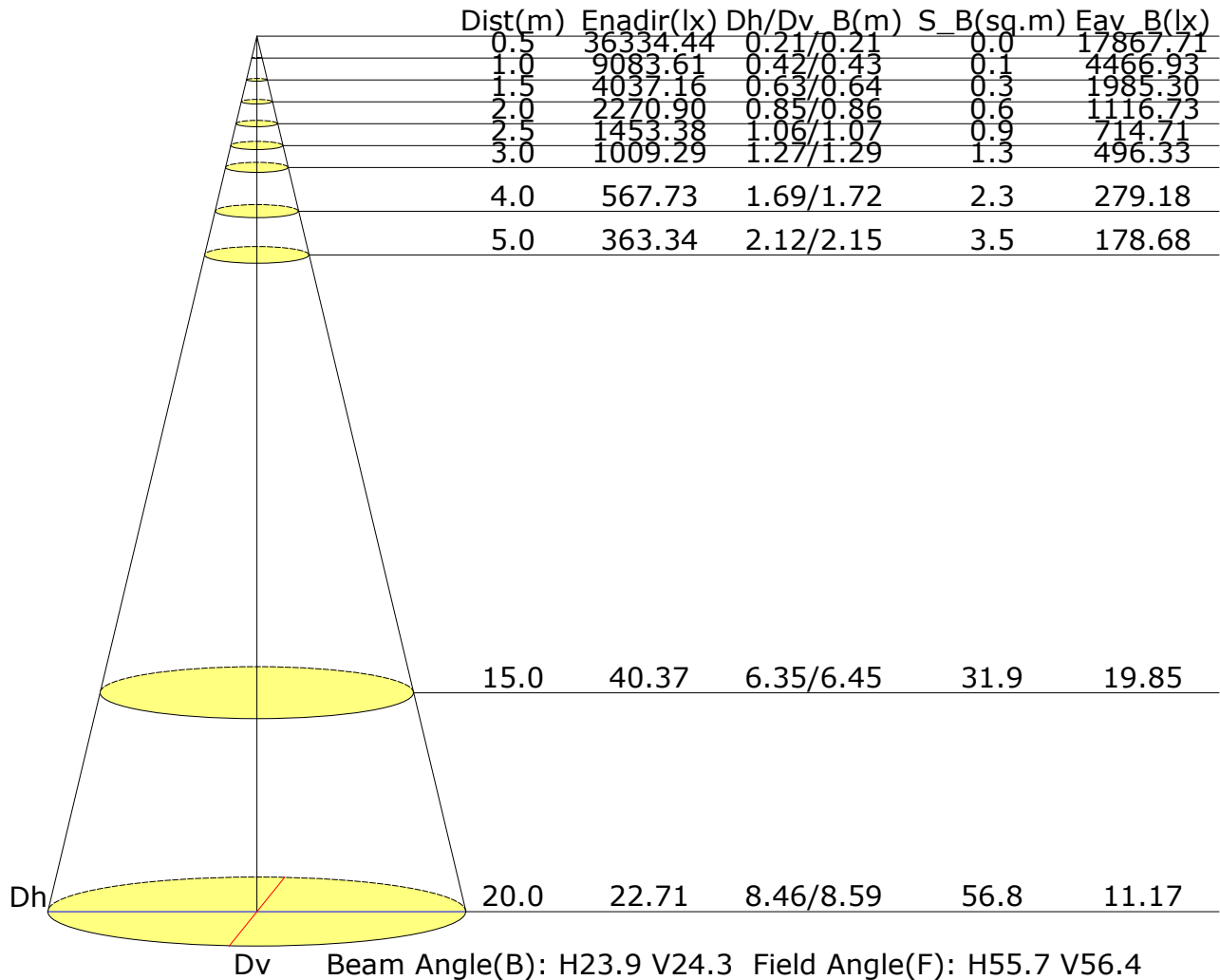
Test Device: CHL-6E

Distance: 3.010 m

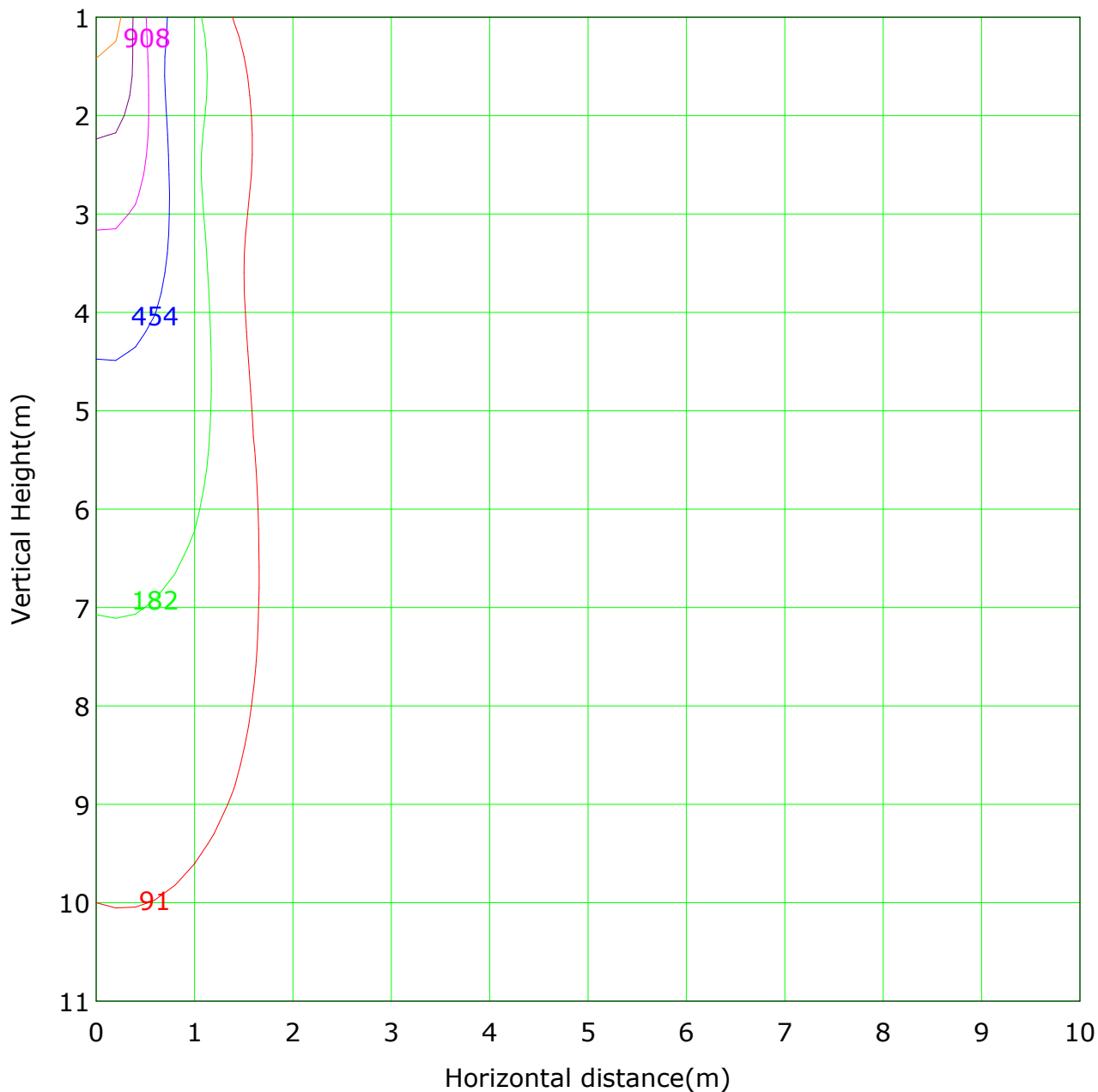
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



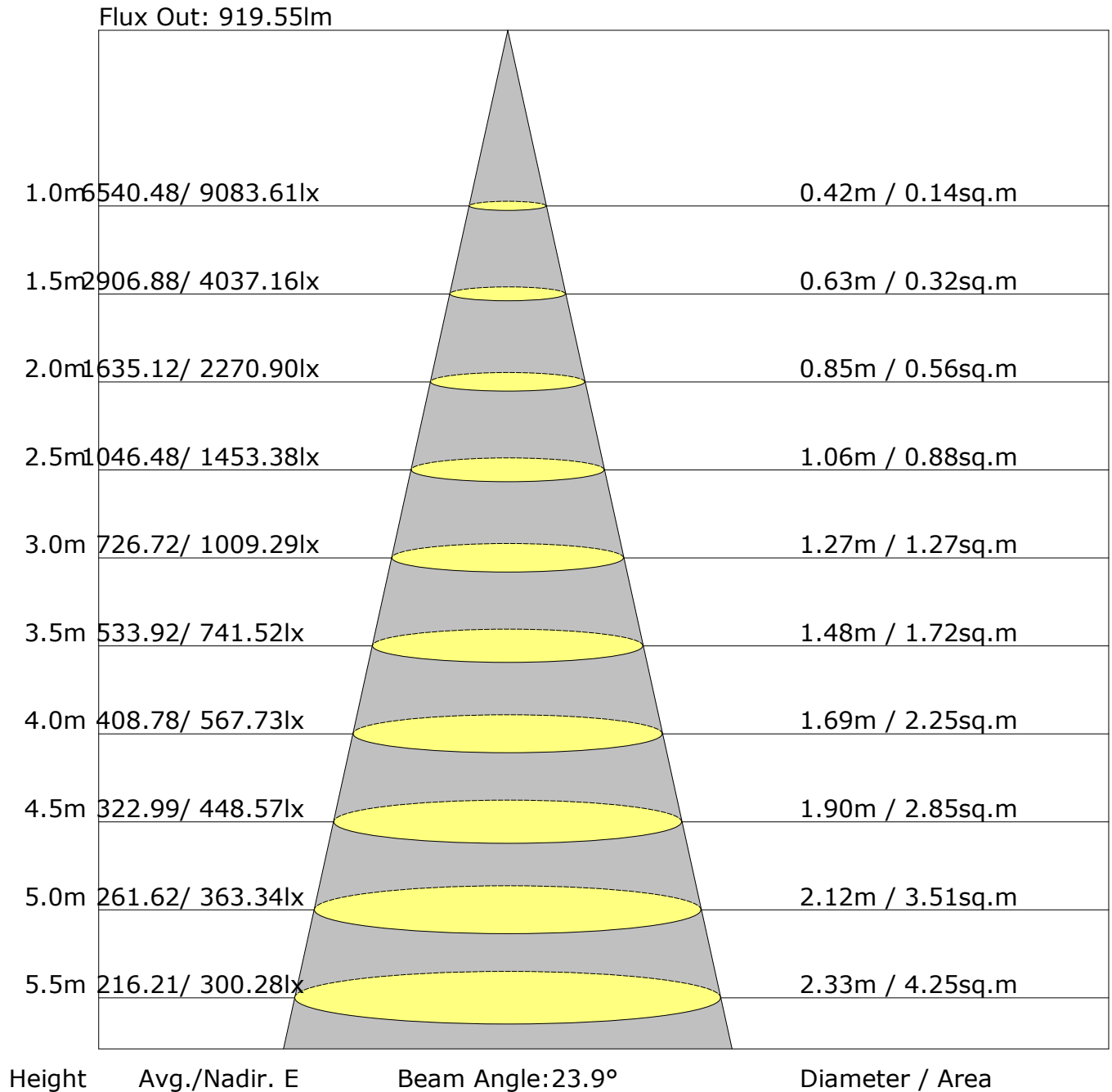
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 9083.6 lx
— (1%): 90.8 lx — (2%): 181.7 lx
— (5%): 454.2 lx — (10%): 908.4 lx
— (20%): 1816.7 lx — (50%): 4541.8 lx
— (100%): 9083.6 lx

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	25.7	26.6	25.9	26.8	27.0	25.4	26.3	25.7	26.5	26.7
3H	26.7	27.6	27.0	27.8	28.1	26.4	27.2	26.7	27.5	27.7
4H	27.2	28.0	27.5	28.3	28.5	26.8	27.6	27.1	27.8	28.1
6H	27.5	28.3	27.9	28.6	28.9	27.1	27.8	27.4	28.1	28.4
8H	27.7	28.4	28.0	28.7	29.0	27.1	27.8	27.5	28.1	28.4
12H	27.7	28.4	28.1	28.7	29.0	27.1	27.8	27.5	28.1	28.5
X=4H Y=2H	26.1	26.9	26.4	27.2	27.4	25.9	26.7	26.2	26.9	27.2
3H	27.4	28.1	27.7	28.4	28.7	27.1	27.8	27.4	28.1	28.4
4H	27.9	28.6	28.3	28.9	29.3	27.6	28.2	28.0	28.5	28.9
6H	28.4	28.9	28.8	29.3	29.7	27.9	28.5	28.4	28.9	29.3
8H	28.6	29.1	29.0	29.5	29.9	28.1	28.6	28.5	28.9	29.4
12H	28.7	29.1	29.1	29.5	30.0	28.1	28.6	28.5	29.0	29.4
X=8H Y=4H	28.1	28.6	28.6	29.0	29.4	27.8	28.3	28.2	28.7	29.1
6H	28.7	29.1	29.2	29.5	30.0	28.3	28.7	28.7	29.1	29.6
8H	28.9	29.3	29.4	29.7	30.2	28.4	28.8	28.9	29.2	29.7
12H	29.1	29.4	29.6	29.9	30.4	28.5	28.8	29.0	29.3	29.8
X=12H Y=4H	28.1	28.6	28.6	29.0	29.4	27.8	28.2	28.2	28.7	29.1
6H	28.7	29.1	29.2	29.5	30.0	28.3	28.7	28.8	29.1	29.6
8H	29.0	29.3	29.5	29.8	30.3	28.5	28.8	29.0	29.3	29.8
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.3/-0.4				
S=1.5H	+0.5/-0.8					+0.5/-0.9				
S=2.0H	+1.0/-1.3					+0.9/-1.4				

Calculate in accordance with CIE Pub.117. The table is revised with 3225lm ($8\log(F/F_0) = 4.1$).

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	1706	52.9
	FL (0°-30°)	1103	34.2
	FM (30°-60°)	478	14.8
	FH (60°-80°)	113	3.5
	FVH (80°-90°)	11	0.3
	BACK LIGHT	1520	47.1
	BL (0°-30°)	967	30.0
	BM (30°-60°)	445	13.8
	BH (60°-80°)	101	3.1
	BVH (80°-90°)	7	0.2
	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: 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	9066.7	8.7	8.7	0.27	0.27
1.0-2.0	8994.3	25.8	34.5	0.80	1.07
2.0-3.0	8852.9	42.3	76.8	1.31	2.38
3.0-4.0	8648.3	57.9	134.7	1.80	4.18
4.0-5.0	8377.3	72.1	206.8	2.23	6.41
5.0-6.0	8040.7	84.5	291.3	2.62	9.03
6.0-7.0	7642.3	94.9	386.2	2.94	11.97
7.0-8.0	7186.6	102.9	489.1	3.19	15.16
8.0-9.0	6673.3	108.2	597.2	3.35	18.52
9.0-10.0	6109.4	110.6	707.8	3.43	21.94
10.0-11.0	5513.9	110.2	818.0	3.42	25.36
11.0-12.0	4912.3	107.4	925.4	3.33	28.69
12.0-13.0	4324.7	102.6	1028.0	3.18	31.87
13.0-14.0	3769.1	96.5	1124.5	2.99	34.86
14.0-15.0	3268.2	89.7	1214.3	2.78	37.65
15.0-16.0	2826.5	82.8	1297.1	2.57	40.22
16.0-17.0	2440.1	76.0	1373.1	2.36	42.57
17.0-18.0	2116.4	69.8	1442.9	2.16	44.74
18.0-19.0	1854.0	64.5	1507.4	2.00	46.74
19.0-20.0	1644.5	60.2	1567.6	1.87	48.60
20.0-21.0	1480.9	56.9	1624.5	1.76	50.36
21.0-22.0	1352.0	54.3	1678.8	1.68	52.05
22.0-23.0	1250.6	52.5	1731.3	1.63	53.68
23.0-24.0	1169.2	51.1	1782.4	1.59	55.26
24.0-25.0	1100.6	50.0	1832.5	1.55	56.81
25.0-26.0	1040.7	49.1	1881.6	1.52	58.34
26.0-27.0	987.5	48.3	1929.9	1.50	59.83
27.0-28.0	939.6	47.6	1977.5	1.48	61.31
28.0-29.0	894.4	46.8	2024.3	1.45	62.76
29.0-30.0	850.7	45.9	2070.2	1.42	64.19
30.0-31.0	809.2	45.0	2115.3	1.40	65.58
31.0-32.0	770.8	44.2	2159.4	1.37	66.95
32.0-33.0	733.5	43.2	2202.6	1.34	68.29
33.0-34.0	696.9	42.2	2244.8	1.31	69.60
34.0-35.0	663.0	41.2	2286.0	1.28	70.88
35.0-36.0	630.6	40.2	2326.2	1.24	72.12

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: 3.010 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	598.5	39.0	2365.2	1.21	73.33
37.0-38.0	568.0	37.9	2403.1	1.18	74.51
38.0-39.0	539.7	36.8	2440.0	1.14	75.65
39.0-40.0	514.1	35.9	2475.8	1.11	76.76
40.0-41.0	488.9	34.8	2510.6	1.08	77.84
41.0-42.0	464.7	33.8	2544.4	1.05	78.89
42.0-43.0	442.1	32.8	2577.2	1.02	79.90
43.0-44.0	419.9	31.7	2608.9	0.98	80.89
44.0-45.0	399.9	30.7	2639.6	0.95	81.84
45.0-46.0	380.7	29.8	2669.4	0.92	82.76
46.0-47.0	361.8	28.8	2698.2	0.89	83.65
47.0-48.0	344.1	27.8	2726.0	0.86	84.52
48.0-49.0	327.2	26.9	2752.9	0.83	85.35
49.0-50.0	311.0	25.9	2778.8	0.80	86.15
50.0-51.0	295.9	25.0	2803.8	0.78	86.93
51.0-52.0	280.8	24.1	2827.9	0.75	87.68
52.0-53.0	266.5	23.2	2851.1	0.72	88.40
53.0-54.0	254.8	22.5	2873.6	0.70	89.09
54.0-55.0	243.9	21.8	2895.3	0.67	89.77
55.0-56.0	232.6	21.0	2916.4	0.65	90.42
56.0-57.0	221.6	20.3	2936.6	0.63	91.05
57.0-58.0	211.4	19.6	2956.2	0.61	91.65
58.0-59.0	200.5	18.7	2974.9	0.58	92.23
59.0-60.0	190.7	18.0	2992.9	0.56	92.79
60.0-61.0	182.0	17.4	3010.3	0.54	93.33
61.0-62.0	172.6	16.6	3027.0	0.52	93.85
62.0-63.0	163.2	15.9	3042.8	0.49	94.34
63.0-64.0	154.2	15.1	3058.0	0.47	94.81
64.0-65.0	146.6	14.5	3072.5	0.45	95.26
65.0-66.0	137.9	13.8	3086.2	0.43	95.69
66.0-67.0	128.9	13.0	3099.2	0.40	96.09
67.0-68.0	122.5	12.4	3111.6	0.38	96.47
68.0-69.0	115.0	11.7	3123.3	0.36	96.84
69.0-70.0	107.0	11.0	3134.3	0.34	97.18
70.0-71.0	99.9	10.3	3144.7	0.32	97.50
71.0-72.0	92.3	9.6	3154.3	0.30	97.79

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: 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	9083.6	9083.6								
G1.0	9180.1	8919.3								
G2.0	9196.7	8681.1								
G3.0	9139.4	8394.6								
G4.0	8981.1	8078.0								
G5.0	8747.4	7702.6								
G6.0	8454.9	7257.9								
G7.0	8120.2	6736.2								
G8.0	7735.8	6154.2								
G9.0	7285.0	5518.0								
G10.0	6757.3	4877.3								
G11.0	6155.8	4265.1								
G12.0	5521.0	3707.3								
G13.0	4869.7	3200.8								
G14.0	4244.0	2762.0								
G15.0	3675.7	2391.1								
G16.0	3161.6	2077.6								
G17.0	2703.2	1818.2								
G18.0	2327.8	1616.2								
G19.0	2017.2	1454.9								
G20.0	1771.5	1334.3								
G21.0	1577.0	1240.8								
G22.0	1427.8	1162.4								
G23.0	1314.7	1097.6								
G24.0	1225.7	1038.8								
G25.0	1151.8	986.0								
G26.0	1088.5	936.3								
G27.0	1032.7	892.5								
G28.0	983.0	850.3								
G29.0	936.3	808.1								
G30.0	889.5	768.9								
G31.0	847.3	731.2								
G32.0	808.1	696.5								
G33.0	768.9	660.3								
G34.0	731.2	627.2								
G35.0	696.5	597.0								
G36.0	661.9	566.9								

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: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	627.2	538.2								
G38.0	595.5	511.1								
G39.0	566.9	485.5								
G40.0	539.7	464.4								
G41.0	511.1	440.2								
G42.0	487.0	420.6								
G43.0	461.3	399.5								
G44.0	438.7	379.9								
G45.0	417.6	363.3								
G46.0	398.0	343.8								
G47.0	376.9	328.7								
G48.0	360.3	310.6								
G49.0	342.2	295.5								
G50.0	325.6	280.4								
G51.0	309.1	268.4								
G52.0	292.5	253.3								
G53.0	278.9	241.2								
G54.0	266.9	232.2								
G55.0	254.8	221.6								
G56.0	241.2	212.6								
G57.0	229.2	203.5								
G58.0	220.1	193.0								
G59.0	206.6	182.4								
G60.0	200.5	173.4								
G61.0	190.0	164.3								
G62.0	180.9	155.3								
G63.0	171.9	144.7								
G64.0	162.8	137.2								
G65.0	155.3	131.2								
G66.0	144.7	120.6								
G67.0	137.2	113.1								
G68.0	132.7	107.0								
G69.0	122.1	98.0								
G70.0	116.1	92.0								
G71.0	107.0	84.4								
G72.0	101.0	76.9								
G73.0	95.0	72.4								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector: