

Report No.:

Test Time: 2026-09-28 19:15

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 15D

Luminous Length (mm): -52

Voltage: 230.0 V

Power: 13.60 W

Lamp Description: BLX V6HD F90 3000K

Luminous Width (mm): -52

Current: 0.063 A

Power Factor: 0.942

Photometric Results

CIE Class: Direct

Measurement Flux: 929.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H21.5

Vertical Diffuse Angle(50%): V21.5

Luminaire Efficacy Rating (LER): 68.39

Max. Intensity: 4361.71 cd

S/MH(C0/C180): 0.37

Total Rated Lamp Lumens: 929.5 lm

Efficiency: 100%

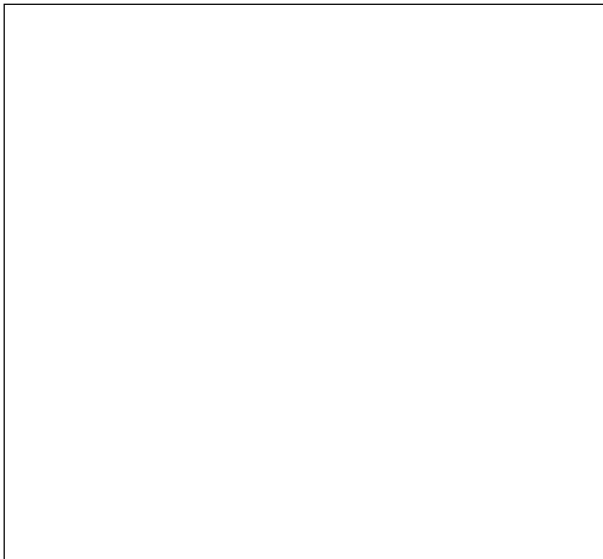
Upward Ratio: 0%

Central Intensity: 4329.43 cd

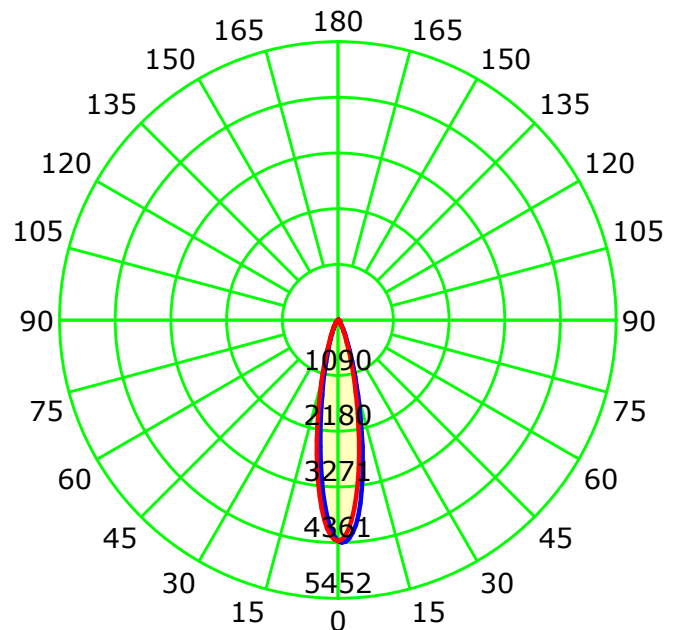
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 0.37

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

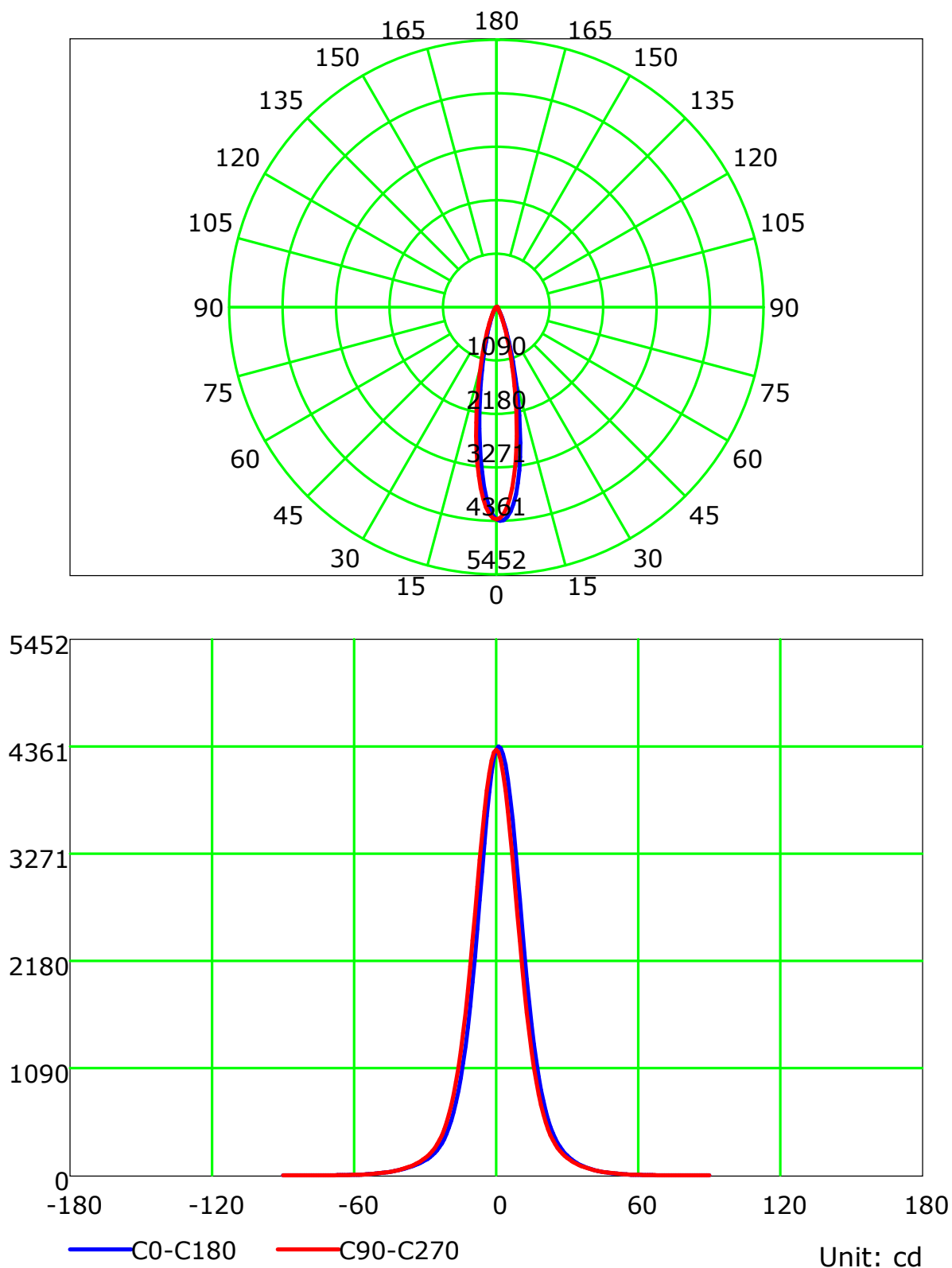
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

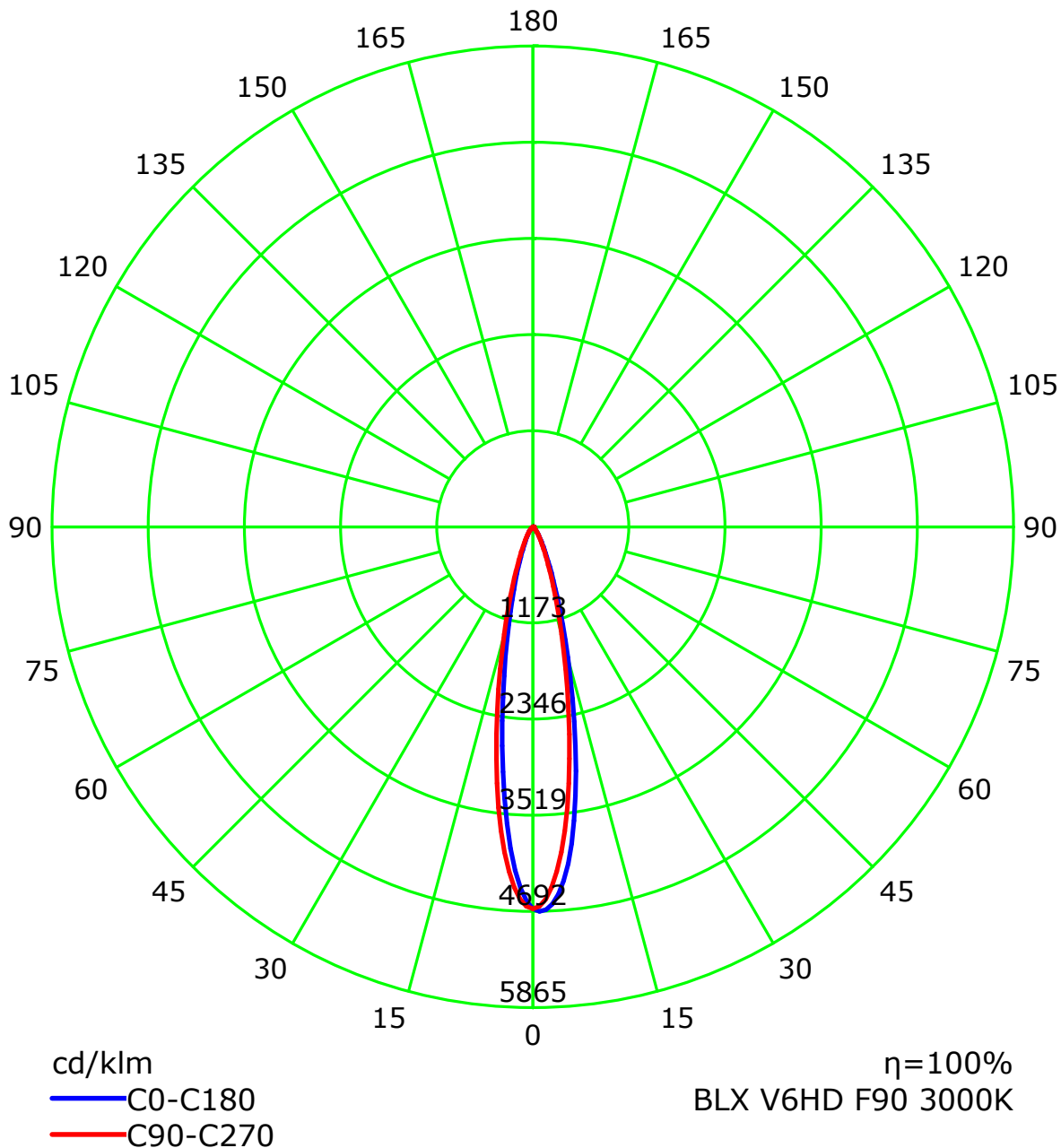
Luminous Intensity Distribution Curve



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:

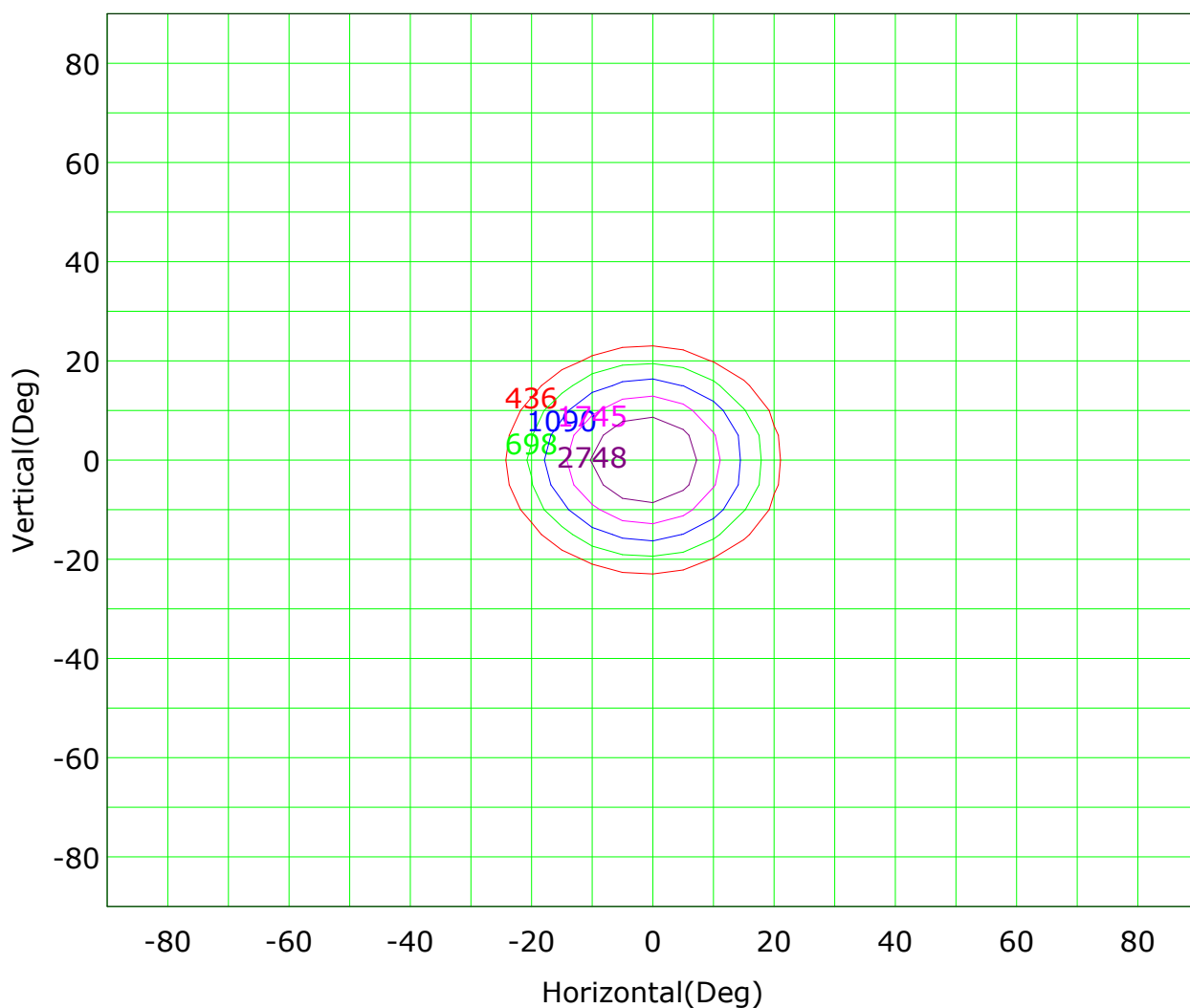
Luminous Intensity Distribution Curve(cd/klm)



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%): 4362 cd

(10%): 436 cd	(16%): 698 cd
(25%): 1090 cd	(40%): 1745 cd
(63%): 2748 cd	(100%): 4362 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

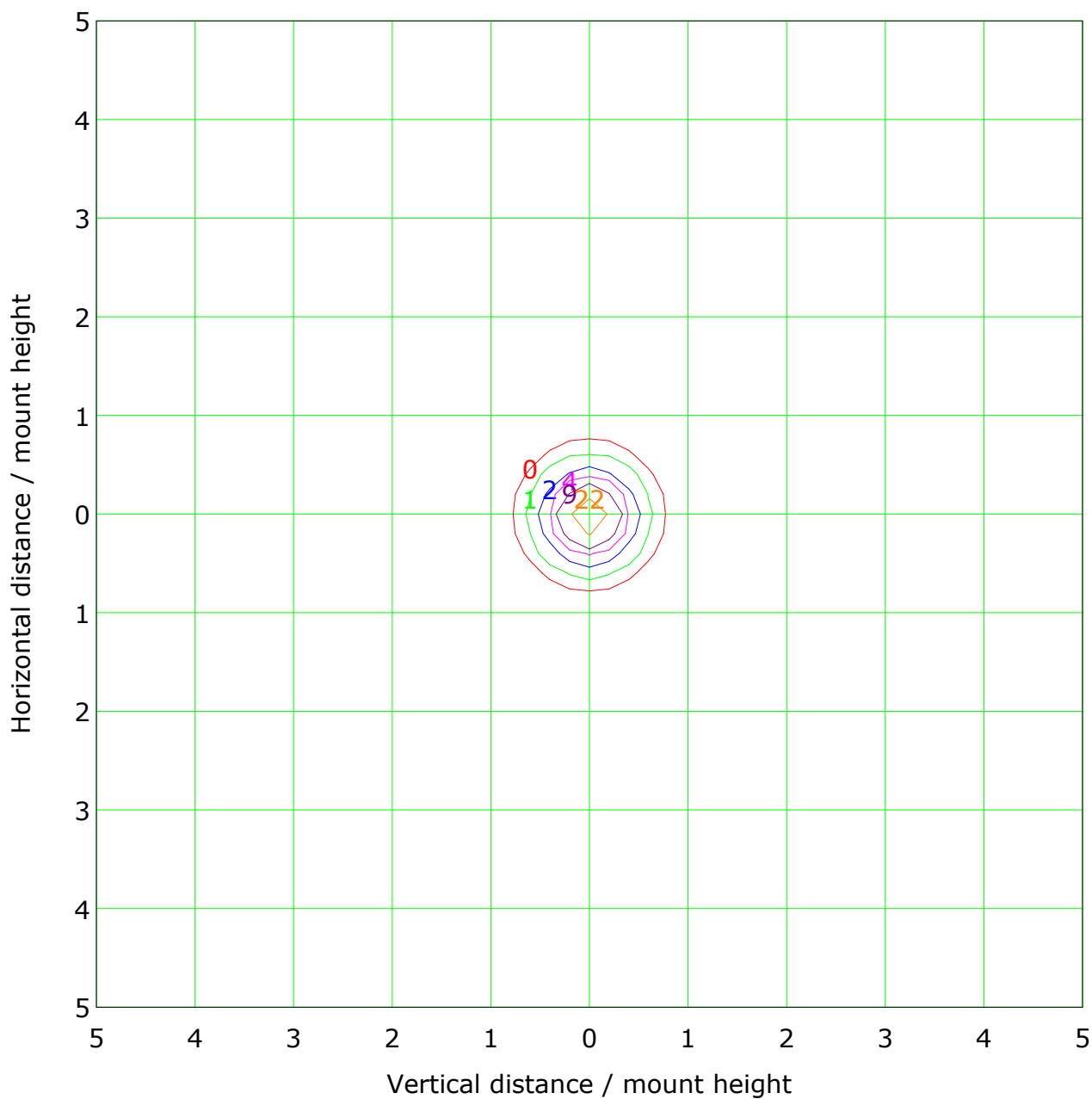
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 43.6 lx

(1%): 0.4 lx	(2%): 0.9 lx
(5%): 2.2 lx	(10%): 4.4 lx
(20%): 8.7 lx	(50%): 21.8 lx
(100%): 43.6 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

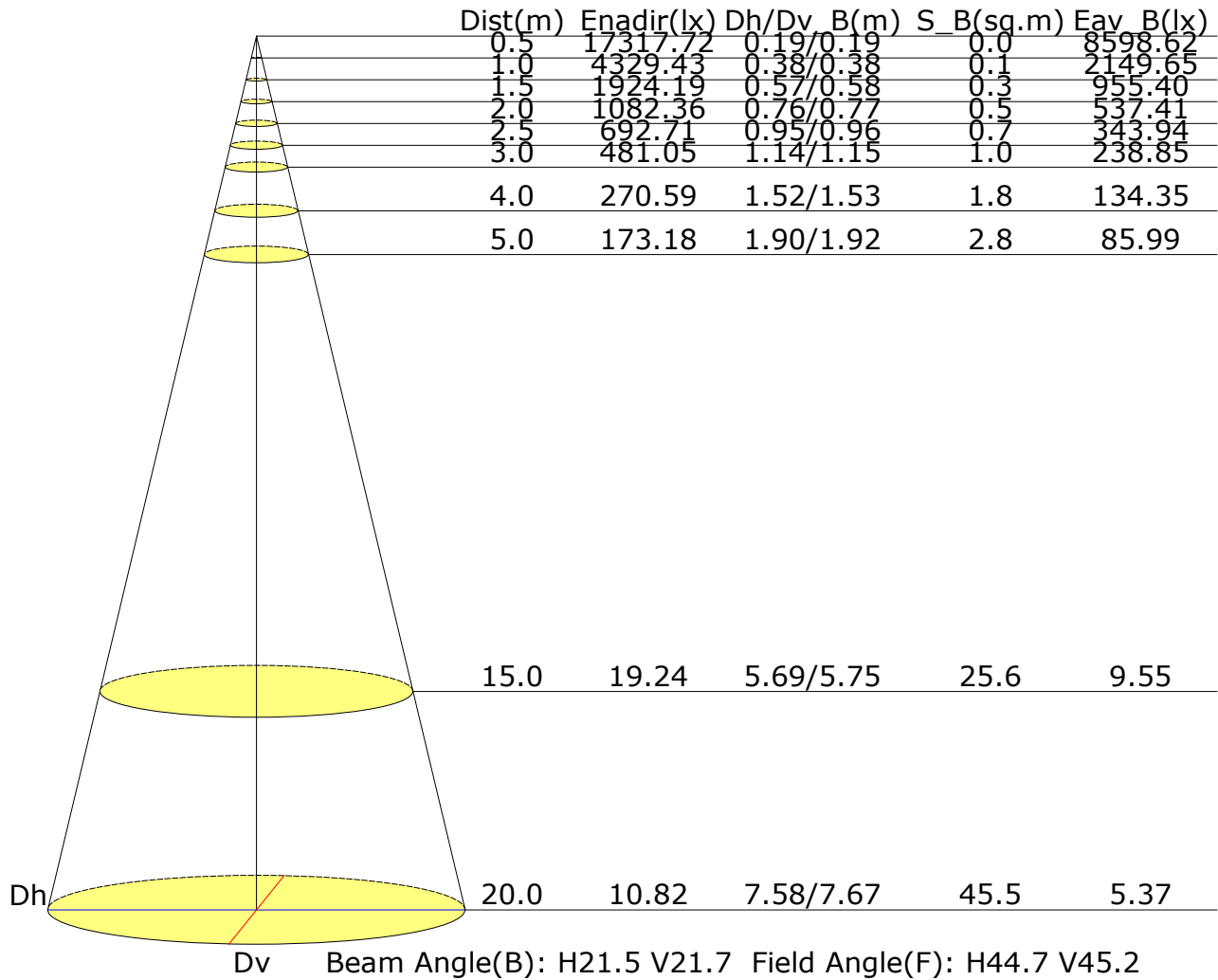
Test Device: CHL-6E

Distance: 3.010 m

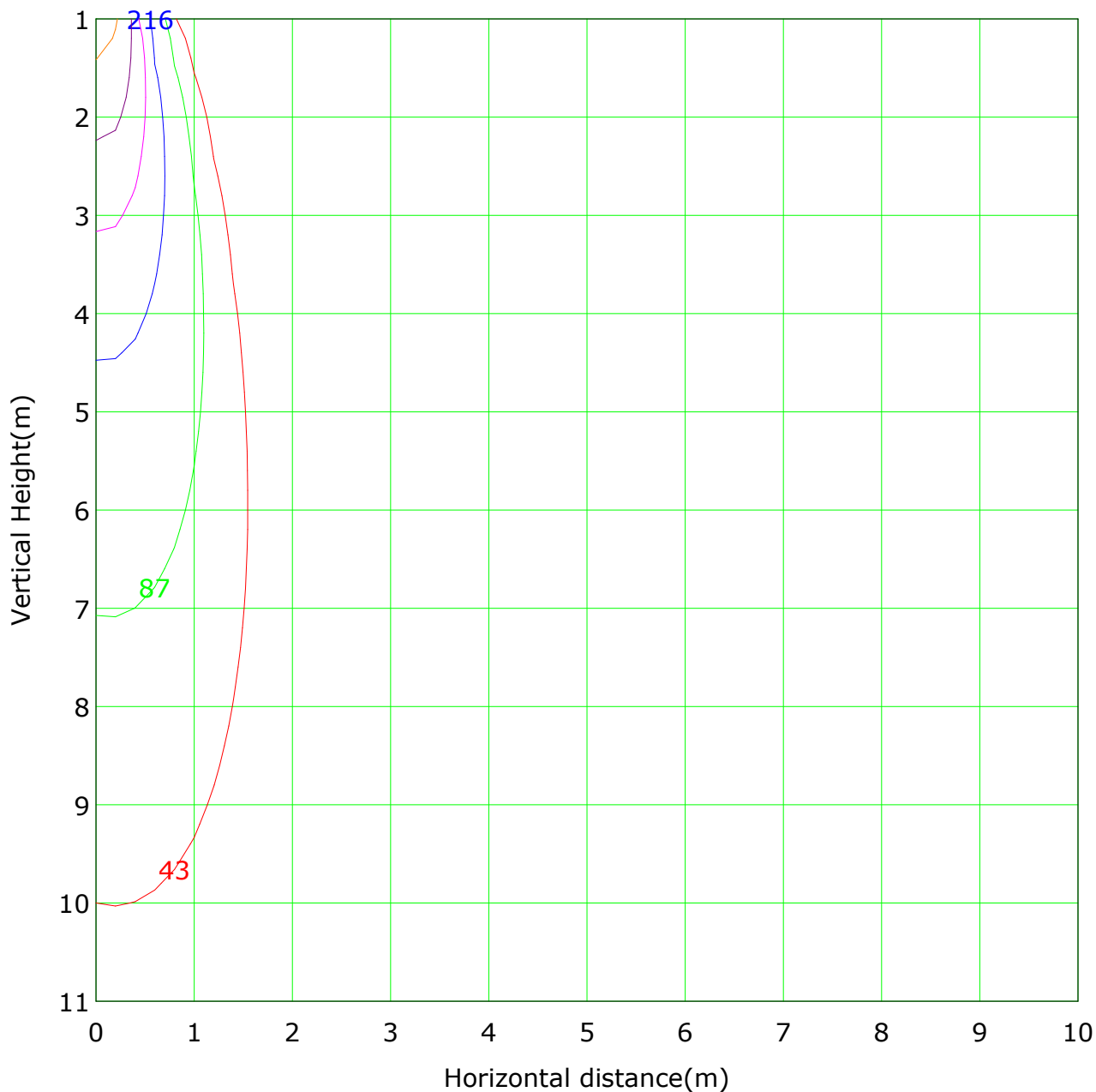
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



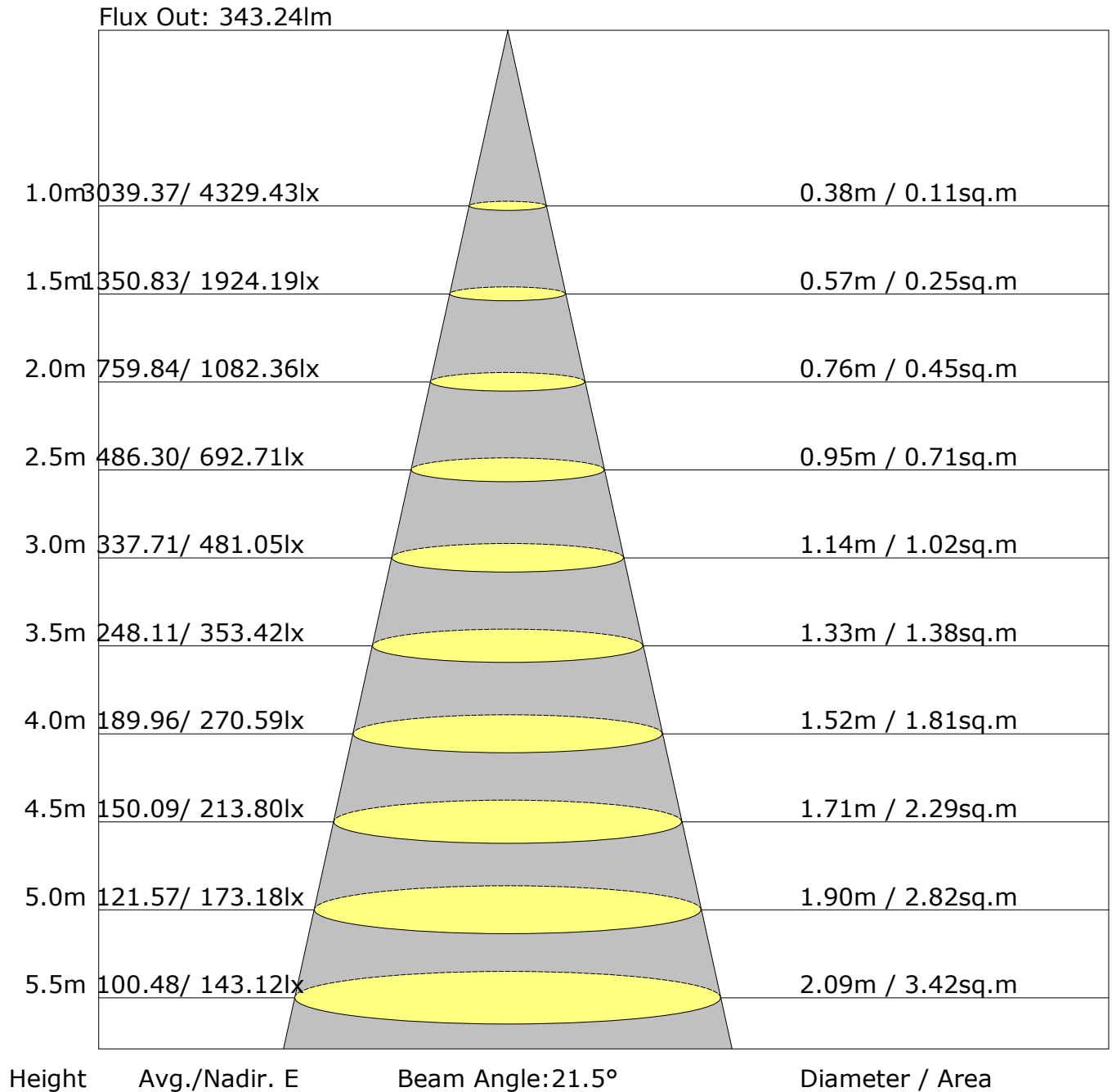
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4329.4 lx
— (1%): 43.3 lx — (2%): 86.6 lx
— (5%): 216.5 lx — (10%): 432.9 lx
— (20%): 865.9 lx — (50%): 2164.7 lx
— (100%): 4329.4 lx

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: 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



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	15.8	16.5	16.1	16.7	16.9	15.7	16.3	15.9	16.5	16.7
3H	15.8	16.4	16.0	16.6	16.8	15.6	16.2	15.9	16.4	16.6
4H	15.7	16.3	16.0	16.5	16.8	15.5	16.1	15.8	16.3	16.6
6H	15.6	16.2	16.0	16.4	16.7	15.4	16.0	15.8	16.2	16.5
8H	15.6	16.1	15.9	16.4	16.7	15.4	15.9	15.7	16.2	16.5
12H	15.6	16.0	15.9	16.3	16.7	15.4	15.8	15.7	16.2	16.5
X=4H Y=2H	15.7	16.3	16.0	16.5	16.8	15.5	16.1	15.8	16.4	16.6
3H	15.6	16.1	16.0	16.4	16.7	15.5	15.9	15.8	16.3	16.6
4H	15.6	16.0	15.9	16.3	16.7	15.4	15.8	15.8	16.2	16.5
6H	15.5	15.9	15.9	16.2	16.6	15.3	15.7	15.7	16.1	16.4
8H	15.4	15.8	15.9	16.2	16.6	15.3	15.6	15.7	16.0	16.4
12H	15.4	15.7	15.8	16.1	16.5	15.2	15.5	15.6	15.9	16.4
X=8H Y=4H	15.4	15.8	15.9	16.2	16.6	15.3	15.6	15.7	16.0	16.4
6H	15.3	15.6	15.8	16.1	16.5	15.2	15.4	15.6	15.9	16.3
8H	15.3	15.5	15.8	16.0	16.5	15.1	15.4	15.6	15.8	16.3
12H	15.2	15.5	15.7	15.9	16.4	15.1	15.3	15.6	15.7	16.2
X=12H Y=4H	15.4	15.7	15.8	16.1	16.5	15.2	15.5	15.6	15.9	16.4
6H	15.3	15.5	15.8	16.0	16.5	15.1	15.4	15.6	15.8	16.3
8H	15.2	15.5	15.7	15.9	16.4	15.1	15.3	15.6	15.7	16.2
Variations with the observer position at spacings:										
S=1.0H	+3.7/-5.6					+3.4/-5.3				
S=1.5H	+6.3/-7.9					+5.9/-7.4				
S=2.0H	+8.2/-12.1					+7.9/-12.1				

Calculate in accordance with CIE Pub.117. The table is revised with 929lm ($8\log(F/F_0) = -0.3$).

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	500	53.8
	FL (0°-30°)	443	47.7
	FM (30°-60°)	55	5.9
	FH (60°-80°)	2	0.2
	FVH (80°-90°)	0	0.0
	BACK LIGHT	429	46.2
	BL (0°-30°)	375	40.3
	BM (30°-60°)	52	5.6
	BH (60°-80°)	2	0.2
	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)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 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: 3.010 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	4316.0	4.1	4.1	0.44	0.44
1.0-2.0	4262.0	12.2	16.4	1.32	1.76
2.0-3.0	4156.5	19.9	36.2	2.14	3.90
3.0-4.0	4003.9	26.8	63.1	2.88	6.78
4.0-5.0	3809.8	32.8	95.8	3.53	10.31
5.0-6.0	3584.9	37.7	133.5	4.05	14.36
6.0-7.0	3337.3	41.4	174.9	4.46	18.82
7.0-8.0	3071.9	44.0	218.9	4.73	23.55
8.0-9.0	2798.0	45.4	264.3	4.88	28.43
9.0-10.0	2524.7	45.7	310.0	4.92	33.35
10.0-11.0	2257.5	45.1	355.1	4.85	38.20
11.0-12.0	2004.1	43.8	398.9	4.71	42.92
12.0-13.0	1769.1	42.0	440.9	4.52	47.43
13.0-14.0	1552.5	39.7	480.6	4.28	51.71
14.0-15.0	1356.1	37.2	517.9	4.01	55.72
15.0-16.0	1181.0	34.6	552.5	3.72	59.44
16.0-17.0	1025.5	31.9	584.4	3.44	62.88
17.0-18.0	888.5	29.3	613.7	3.15	66.03
18.0-19.0	769.8	26.8	640.5	2.88	68.91
19.0-20.0	667.0	24.4	664.9	2.63	71.54
20.0-21.0	578.1	22.2	687.1	2.39	73.93
21.0-22.0	502.4	20.2	707.3	2.17	76.10
22.0-23.0	438.2	18.4	725.7	1.98	78.08
23.0-24.0	383.7	16.8	742.5	1.81	79.88
24.0-25.0	337.4	15.3	757.8	1.65	81.53
25.0-26.0	297.8	14.1	771.9	1.51	83.05
26.0-27.0	263.9	12.9	784.8	1.39	84.44
27.0-28.0	234.7	11.9	796.7	1.28	85.71
28.0-29.0	209.6	11.0	807.6	1.18	86.89
29.0-30.0	187.9	10.1	817.8	1.09	87.99
30.0-31.0	169.2	9.4	827.2	1.01	89.00
31.0-32.0	152.8	8.8	836.0	0.94	89.94
32.0-33.0	137.6	8.1	844.1	0.87	90.81
33.0-34.0	123.8	7.5	851.6	0.81	91.62
34.0-35.0	111.5	6.9	858.5	0.74	92.36
35.0-36.0	100.4	6.4	864.9	0.69	93.05

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	90.7	5.9	870.8	0.64	93.69
37.0-38.0	82.0	5.5	876.3	0.59	94.28
38.0-39.0	73.9	5.0	881.3	0.54	94.82
39.0-40.0	66.6	4.6	886.0	0.50	95.32
40.0-41.0	59.9	4.3	890.2	0.46	95.78
41.0-42.0	53.6	3.9	894.1	0.42	96.20
42.0-43.0	47.7	3.5	897.7	0.38	96.58
43.0-44.0	42.4	3.2	900.9	0.34	96.92
44.0-45.0	37.9	2.9	903.8	0.31	97.24
45.0-46.0	34.3	2.7	906.5	0.29	97.53
46.0-47.0	30.9	2.5	908.9	0.26	97.79
47.0-48.0	27.7	2.2	911.2	0.24	98.03
48.0-49.0	24.7	2.0	913.2	0.22	98.25
49.0-50.0	22.1	1.8	915.0	0.20	98.45
50.0-51.0	19.7	1.7	916.7	0.18	98.63
51.0-52.0	17.5	1.5	918.2	0.16	98.79
52.0-53.0	15.4	1.3	919.5	0.14	98.93
53.0-54.0	13.5	1.2	920.7	0.13	99.06
54.0-55.0	11.9	1.1	921.8	0.11	99.18
55.0-56.0	10.2	0.9	922.7	0.10	99.27
56.0-57.0	8.5	0.8	923.5	0.08	99.36
57.0-58.0	7.0	0.6	924.1	0.07	99.43
58.0-59.0	6.1	0.6	924.7	0.06	99.49
59.0-60.0	5.8	0.6	925.3	0.06	99.55
60.0-61.0	5.6	0.5	925.8	0.06	99.61
61.0-62.0	5.3	0.5	926.3	0.06	99.66
62.0-63.0	5.0	0.5	926.8	0.05	99.71
63.0-64.0	4.7	0.5	927.2	0.05	99.76
64.0-65.0	4.4	0.4	927.7	0.05	99.81
65.0-66.0	3.9	0.4	928.1	0.04	99.85
66.0-67.0	3.1	0.3	928.4	0.03	99.89
67.0-68.0	2.1	0.2	928.6	0.02	99.91
68.0-69.0	1.5	0.1	928.8	0.02	99.92
69.0-70.0	1.2	0.1	928.9	0.01	99.94
70.0-71.0	1.1	0.1	929.0	0.01	99.95
71.0-72.0	0.9	0.1	929.1	0.01	99.96

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: 3.010 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	4329.4	4329.4								
G1.0	4361.7	4243.3								
G2.0	4344.5	4098.7								
G3.0	4282.1	3900.9								
G4.0	4175.5	3656.8								
G5.0	4027.2	3379.8								
G6.0	3840.6	3092.1								
G7.0	3619.0	2797.7								
G8.0	3364.8	2506.1								
G9.0	3094.1	2227.0								
G10.0	2812.6	1965.0								
G11.0	2530.2	1722.4								
G12.0	2257.1	1506.8								
G13.0	1998.8	1313.7								
G14.0	1755.0	1142.6								
G15.0	1534.9	992.0								
G16.0	1336.6	860.5								
G17.0	1160.1	744.7								
G18.0	1003.4	645.8								
G19.0	870.1	560.2								
G20.0	751.2	486.8								
G21.0	650.7	423.7								
G22.0	565.1	370.1								
G23.0	492.6	324.9								
G24.0	429.7	287.7								
G25.0	376.1	256.0								
G26.0	330.2	229.1								
G27.0	290.7	205.8								
G28.0	256.6	185.7								
G29.0	227.6	168.3								
G30.0	202.4	153.3								
G31.0	181.1	140.2								
G32.0	161.4	128.5								
G33.0	143.4	117.1								
G34.0	127.8	106.9								
G35.0	114.0	97.3								
G36.0	101.9	88.6								

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Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	91.3	80.9								
G38.0	81.7	74.0								
G39.0	72.8	67.3								
G40.0	65.2	61.3								
G41.0	57.8	55.5								
G42.0	50.9	50.3								
G43.0	44.7	45.0								
G44.0	39.6	40.1								
G45.0	36.0	36.0								
G46.0	32.4	32.7								
G47.0	29.0	29.6								
G48.0	25.8	26.4								
G49.0	23.1	23.6								
G50.0	20.7	20.9								
G51.0	18.5	18.6								
G52.0	16.2	16.5								
G53.0	14.3	14.4								
G54.0	12.3	13.1								
G55.0	10.7	11.6								
G56.0	8.9	9.8								
G57.0	7.2	8.3								
G58.0	6.0	6.5								
G59.0	5.7	6.2								
G60.0	5.4	6.0								
G61.0	5.3	5.7								
G62.0	4.8	5.6								
G63.0	4.7	4.9								
G64.0	4.5	4.8								
G65.0	4.2	4.2								
G66.0	3.6	3.6								
G67.0	2.4	2.8								
G68.0	1.6	1.5								
G69.0	1.5	1.2								
G70.0	1.2	1.0								
G71.0	1.2	0.8								
G72.0	1.0	0.8								
G73.0	0.8	0.6								

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:

Unit: cd

Inspector: