

Report No.:

Test Time: 2026-09-29 11:36

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 36D

Luminous Length (mm): -68

Voltage: 226.3 V

Power: 24.30 W

Lamp Description: BLX V10A F90 3000K

Luminous Width (mm): -68

Current: 0.111 A

Power Factor: 0.969

Photometric Results

CIE Class: Direct

Measurement Flux: 2232.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H40

Vertical Diffuse Angle(50%): V40

Luminaire Efficacy Rating (LER): 91.90

Max. Intensity: 4939.07 cd

S/MH(C0/C180): 0.67

Total Rated Lamp Lumens: 2232.1 lm

Efficiency: 100%

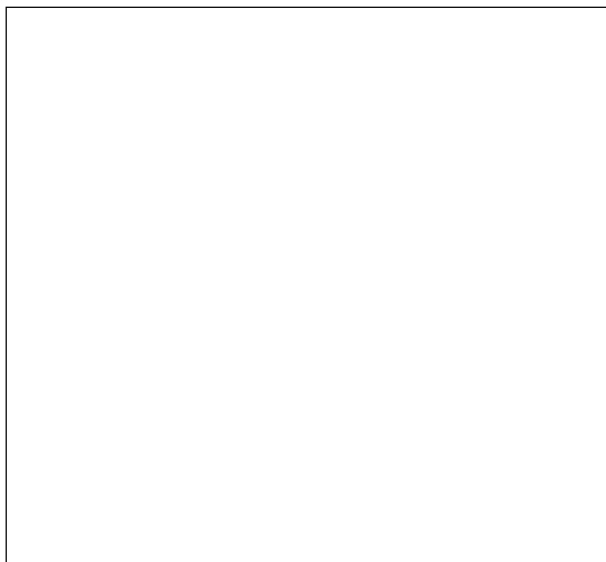
Upward Ratio: 0%

Central Intensity: 4936.06 cd

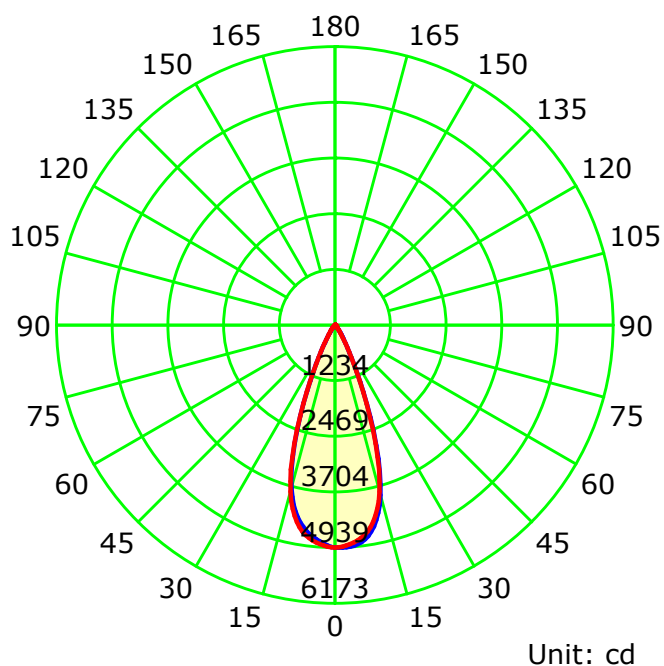
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.67

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

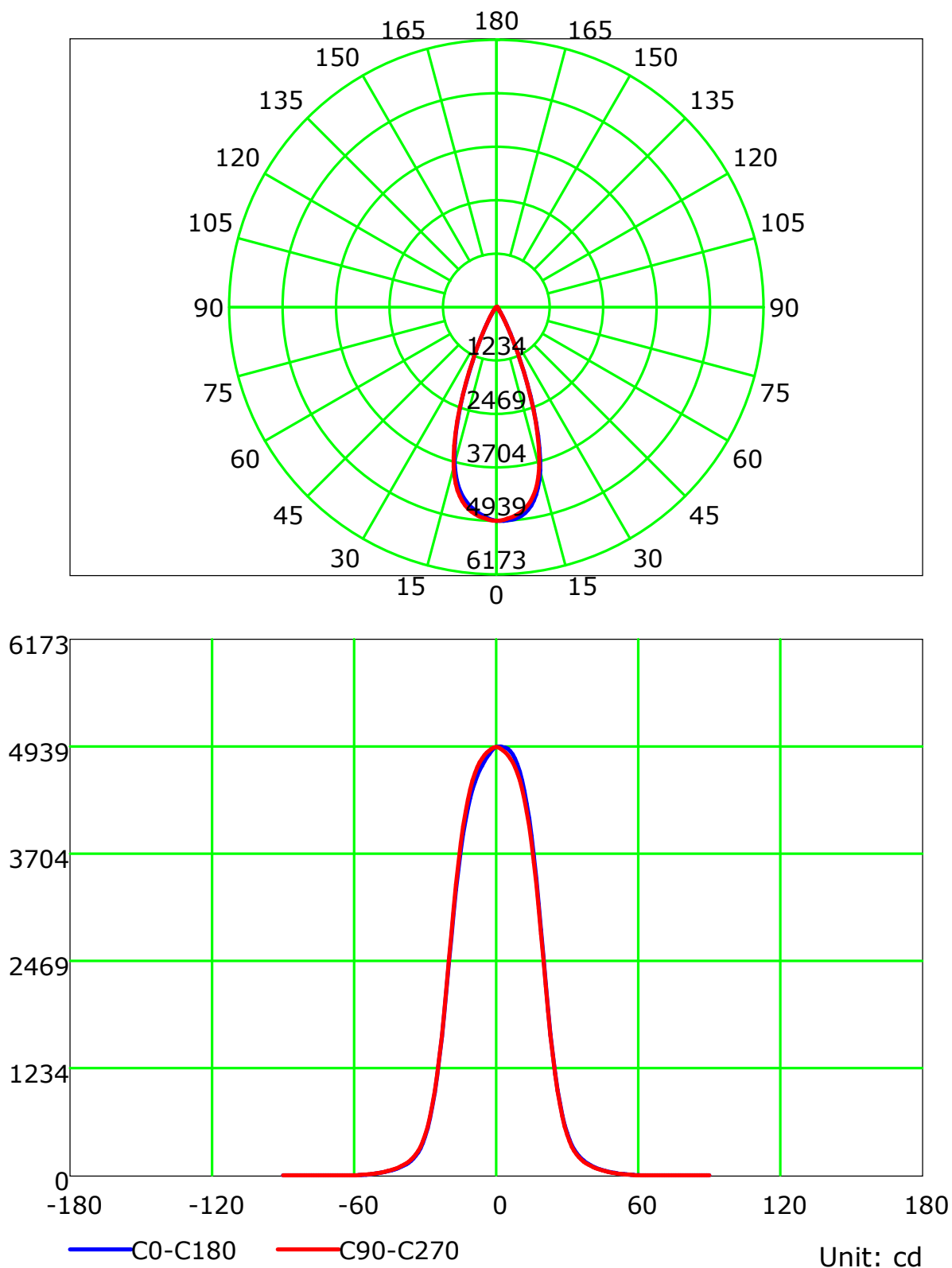
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

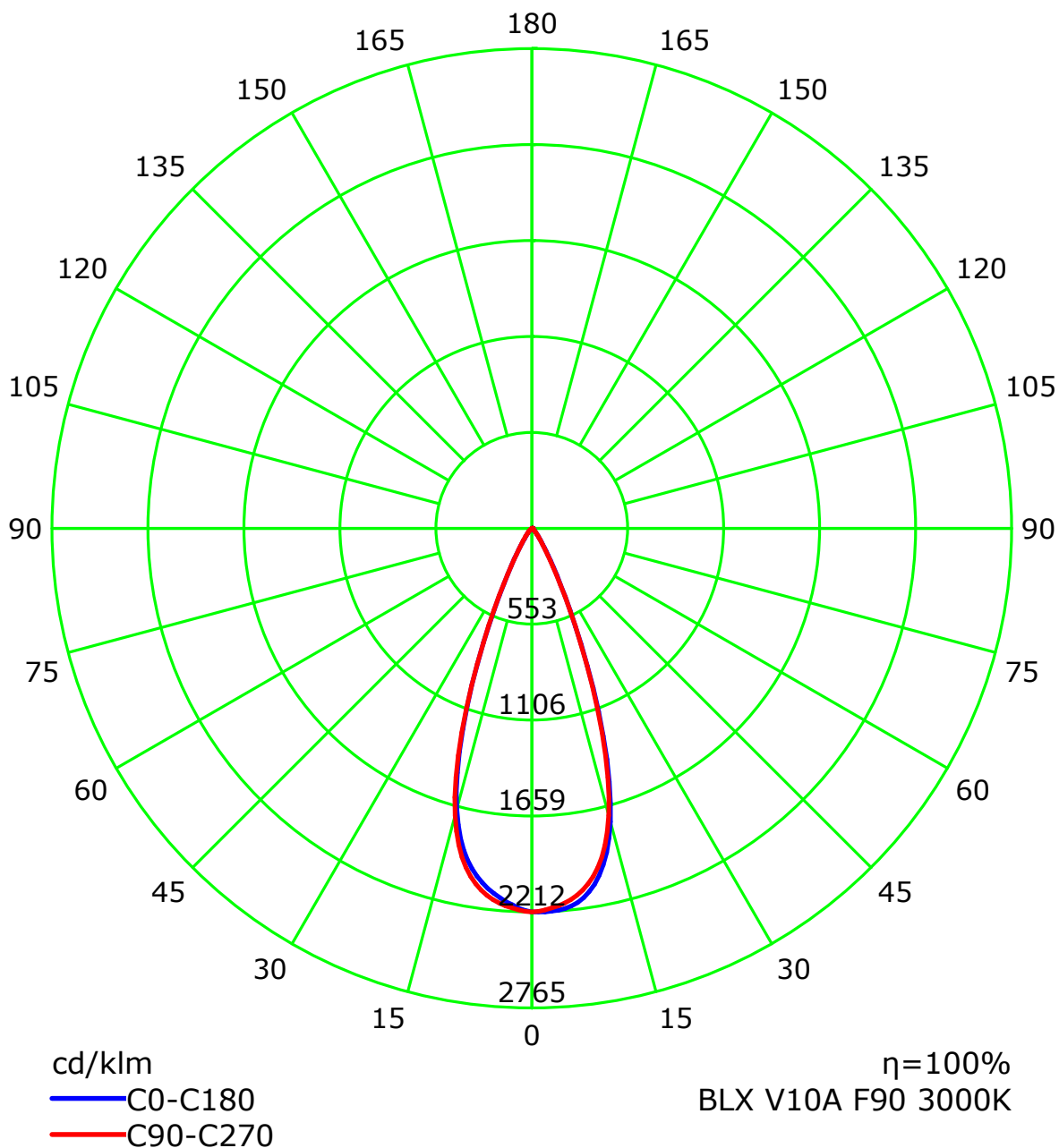
Luminous Intensity Distribution Curve



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:

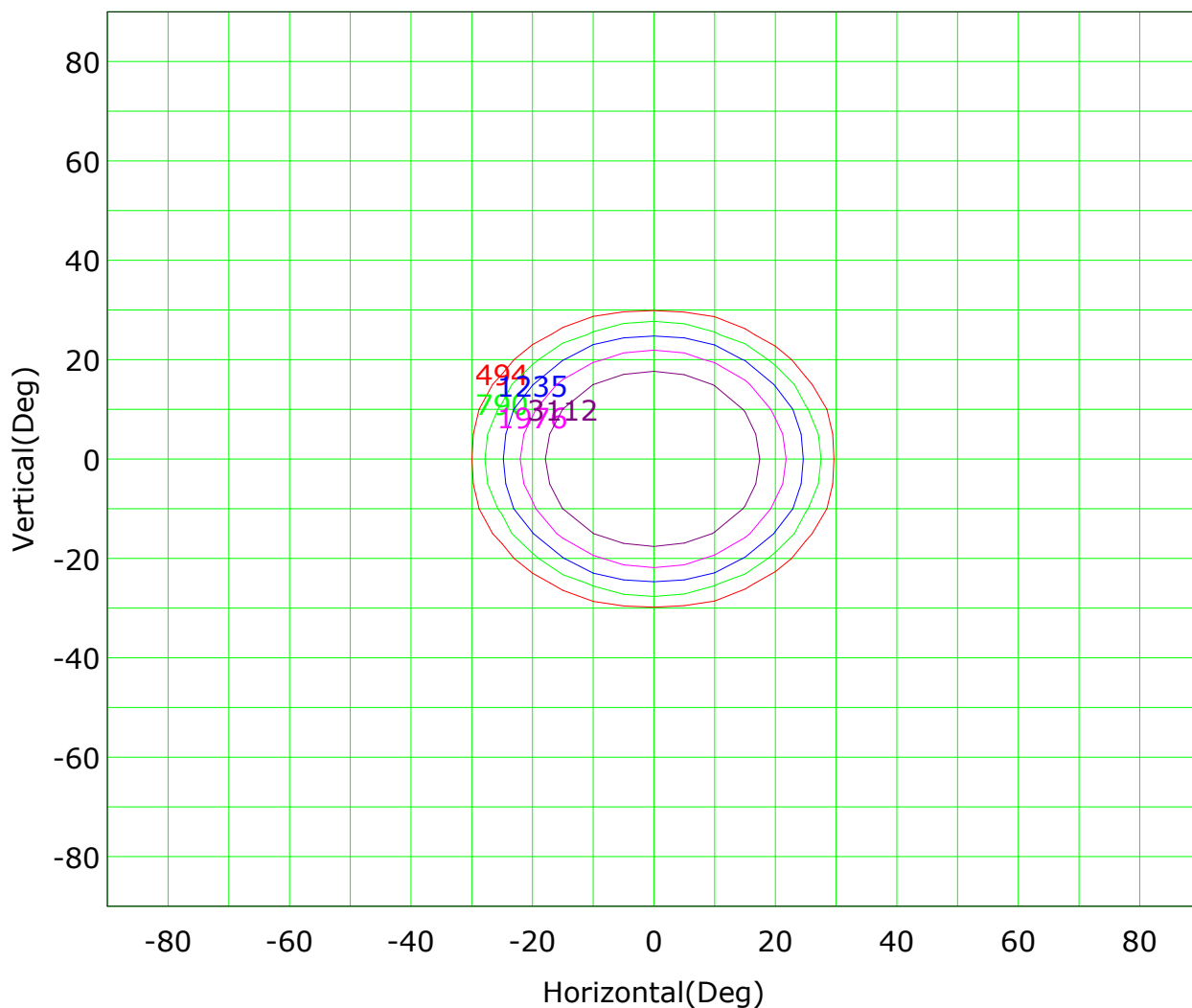
Luminous Intensity Distribution Curve(cd/klm)



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%): 4939 cd

(10%): 494 cd	(16%): 790 cd
(25%): 1235 cd	(40%): 1976 cd
(63%): 3112 cd	(100%): 4939 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

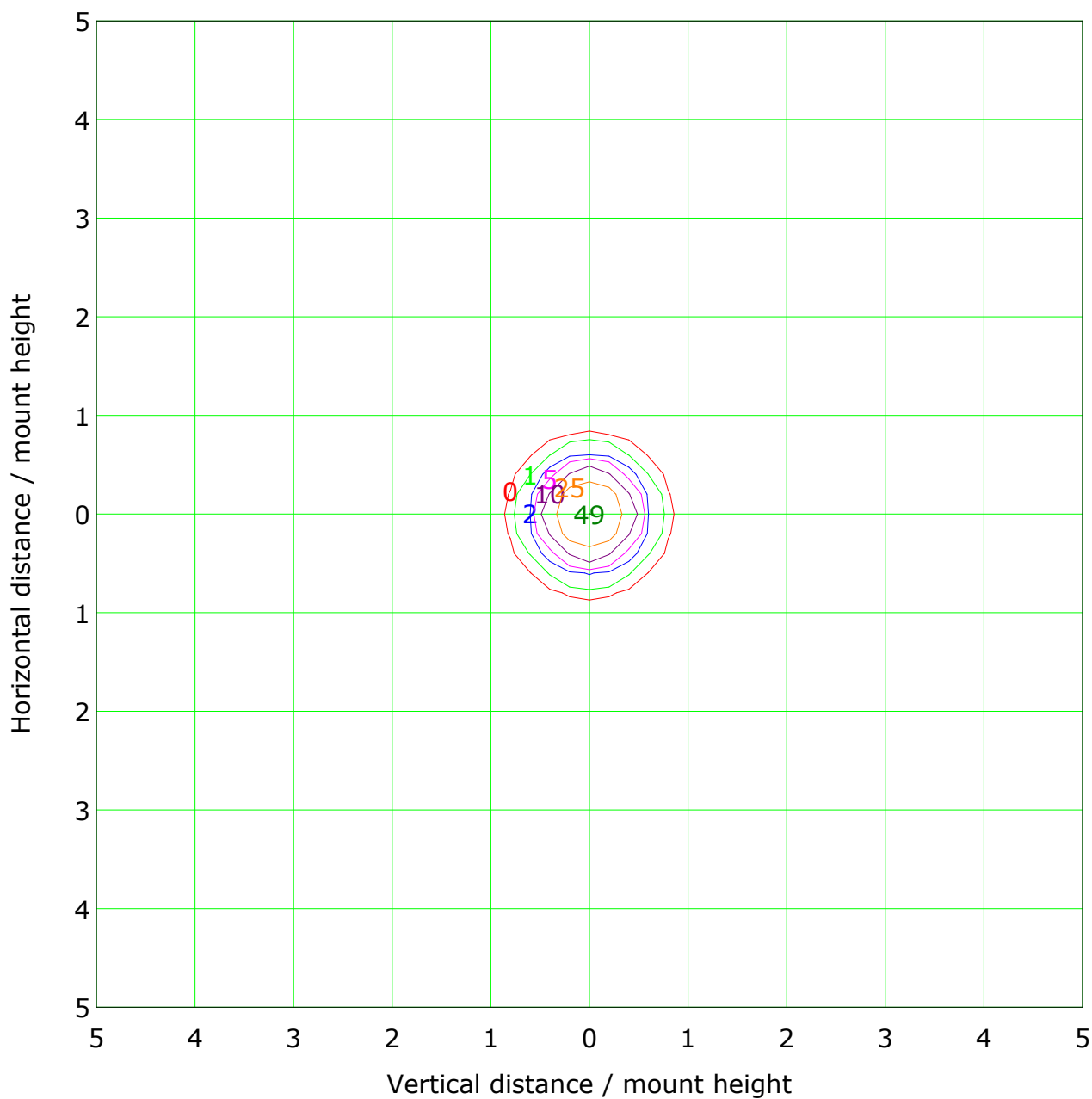
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



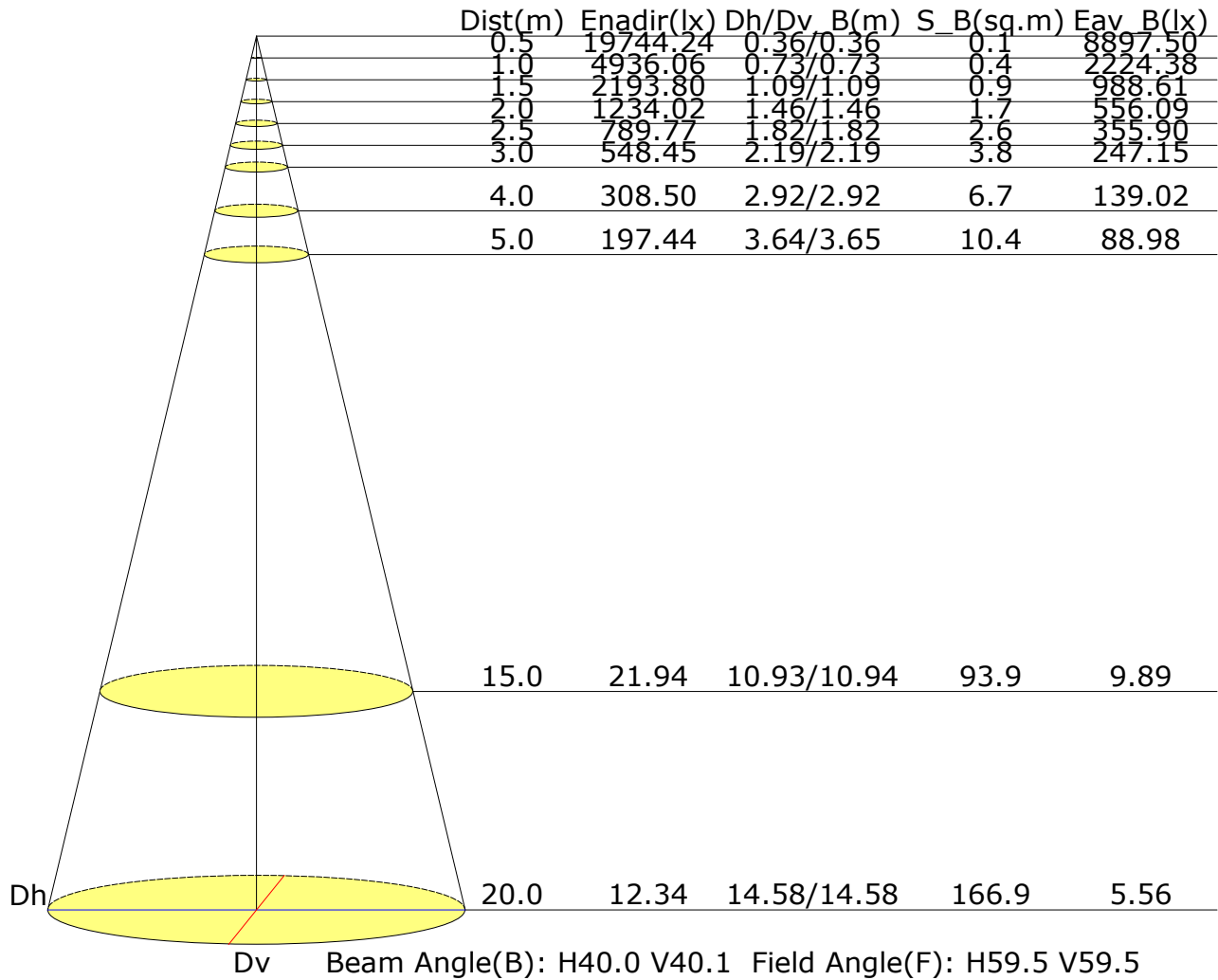
Mounting Height: 10.0m Max Lux(100%): 49.4 lx

— (1%): 0.5 lx	— (2%): 1.0 lx
— (5%): 2.5 lx	— (10%): 4.9 lx
— (20%): 9.9 lx	— (50%): 24.7 lx
— (100%): 49.4 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:

Illuminance at a Distance



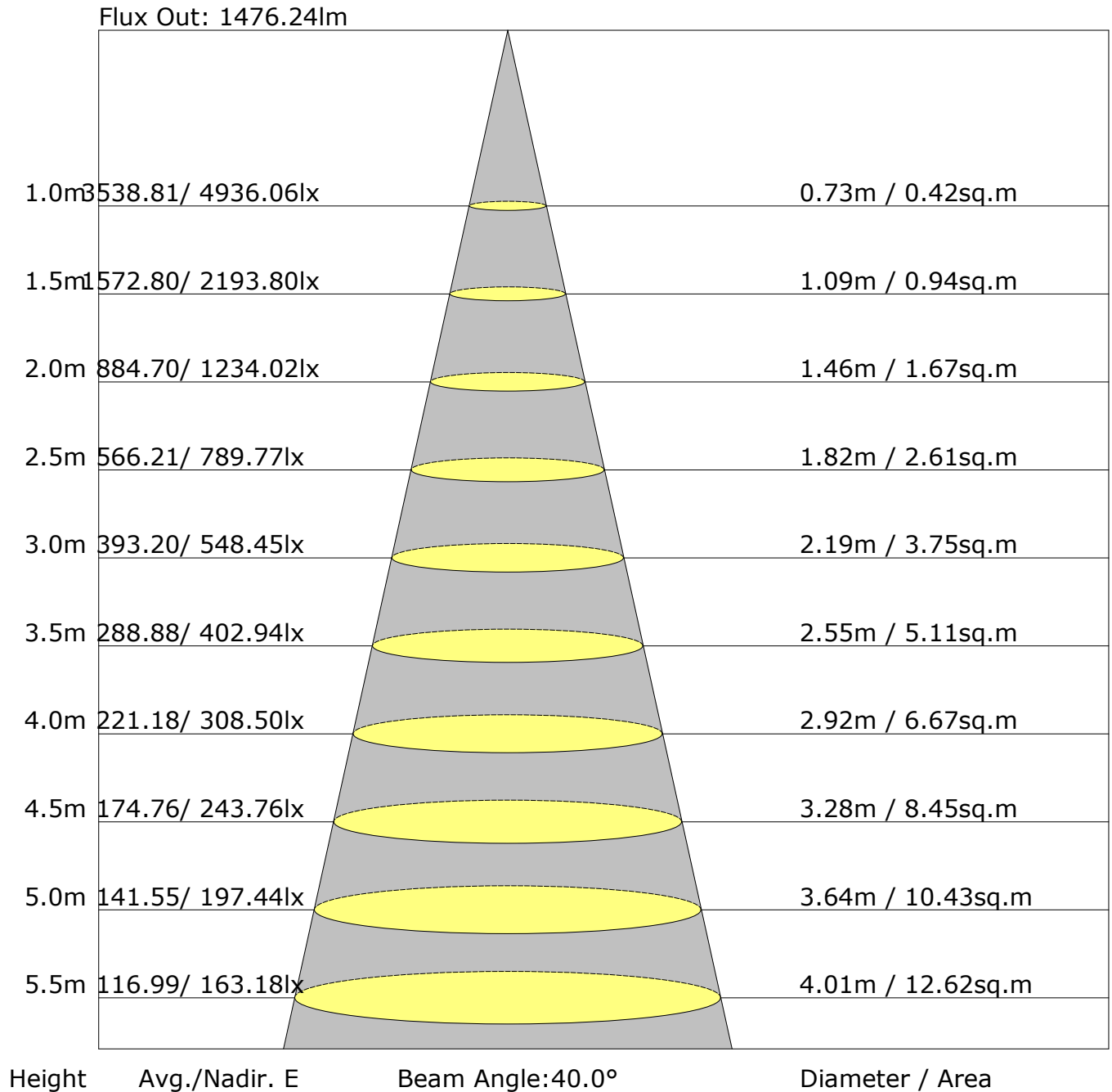
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

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	15.1	15.8	15.3	16.0	16.2	14.8	15.5	15.1	15.7	15.9
3H	14.9	15.6	15.2	15.8	16.0	14.7	15.3	15.0	15.6	15.8
4H	14.9	15.5	15.2	15.7	16.0	14.6	15.2	14.9	15.5	15.7
6H	14.8	15.3	15.1	15.6	15.9	14.5	15.1	14.9	15.4	15.7
8H	14.8	15.3	15.1	15.6	15.9	14.5	15.0	14.8	15.3	15.6
12H	14.7	15.2	15.1	15.5	15.8	14.5	15.0	14.8	15.3	15.6
X=4H Y=2H	14.9	15.5	15.2	15.7	16.0	14.6	15.2	14.9	15.5	15.7
3H	14.7	15.2	15.1	15.5	15.9	14.5	15.0	14.8	15.3	15.6
4H	14.6	15.1	15.0	15.4	15.8	14.4	14.8	14.8	15.2	15.5
6H	14.6	15.0	15.0	15.3	15.7	14.3	14.7	14.7	15.1	15.5
8H	14.5	14.9	14.9	15.3	15.7	14.3	14.6	14.7	15.0	15.4
12H	14.5	14.8	14.9	15.2	15.6	14.2	14.5	14.6	14.9	15.4
X=8H Y=4H	14.5	14.9	14.9	15.3	15.7	14.3	14.6	14.7	15.0	15.4
6H	14.4	14.7	14.9	15.1	15.6	14.2	14.5	14.6	14.9	15.3
8H	14.4	14.6	14.8	15.1	15.5	14.1	14.4	14.6	14.8	15.3
12H	14.3	14.5	14.8	15.0	15.5	14.1	14.3	14.6	14.8	15.3
X=12H Y=4H	14.5	14.8	14.9	15.2	15.6	14.2	14.5	14.6	14.9	15.4
6H	14.4	14.6	14.8	15.1	15.5	14.1	14.4	14.6	14.8	15.3
8H	14.3	14.5	14.8	15.0	15.5	14.1	14.3	14.6	14.8	15.3
Variations with the observer position at spacings:										
S=1.0H	+4.8/-9.7					+4.7/-10.7				
S=1.5H	+7.5/-1.\$					+7.5/-1.\$				
S=2.0H	+9.5/-1.\$					+9.5/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 2232lm ($8\log(F/F_0) = 2.8$).

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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: 3.010 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1128	50.6
	FL (0°-30°)	1026	45.9
	FM (30°-60°)	103	4.6
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	1104	49.4
	BL (0°-30°)	1007	45.1
	BM (30°-60°)	96	4.3
	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

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	4932.7	4.7	4.7	0.21	0.21
1.0-2.0	4922.1	14.1	18.8	0.63	0.84
2.0-3.0	4903.6	23.5	42.3	1.05	1.90
3.0-4.0	4881.4	32.7	75.0	1.46	3.36
4.0-5.0	4856.2	41.8	116.8	1.87	5.23
5.0-6.0	4823.0	50.7	167.5	2.27	7.50
6.0-7.0	4781.9	59.4	226.8	2.66	10.16
7.0-8.0	4731.8	67.7	294.5	3.03	13.20
8.0-9.0	4669.2	75.7	370.2	3.39	16.59
9.0-10.0	4592.3	83.1	453.4	3.72	20.31
10.0-11.0	4499.2	89.9	543.3	4.03	24.34
11.0-12.0	4388.4	95.9	639.2	4.30	28.64
12.0-13.0	4257.2	101.0	740.3	4.53	33.16
13.0-14.0	4103.1	105.0	845.3	4.71	37.87
14.0-15.0	3922.9	107.7	953.0	4.83	42.70
15.0-16.0	3714.5	108.9	1061.9	4.88	47.57
16.0-17.0	3476.6	108.3	1170.1	4.85	52.42
17.0-18.0	3212.8	105.9	1276.1	4.75	57.17
18.0-19.0	2928.6	101.9	1378.0	4.57	61.74
19.0-20.0	2629.3	96.2	1474.2	4.31	66.05
20.0-21.0	2326.3	89.3	1563.6	4.00	70.05
21.0-22.0	2030.4	81.6	1645.2	3.66	73.71
22.0-23.0	1747.7	73.3	1718.5	3.29	76.99
23.0-24.0	1490.7	65.2	1783.7	2.92	79.91
24.0-25.0	1263.8	57.5	1841.2	2.57	82.49
25.0-26.0	1063.7	50.2	1891.4	2.25	84.74
26.0-27.0	891.0	43.6	1935.0	1.95	86.69
27.0-28.0	742.9	37.6	1972.6	1.69	88.38
28.0-29.0	618.1	32.3	2005.0	1.45	89.83
29.0-30.0	515.2	27.8	2032.8	1.25	91.07
30.0-31.0	431.2	24.0	2056.8	1.08	92.15
31.0-32.0	362.2	20.8	2077.5	0.93	93.08
32.0-33.0	307.2	18.1	2095.6	0.81	93.89
33.0-34.0	262.7	15.9	2111.5	0.71	94.60
34.0-35.0	225.8	14.0	2125.6	0.63	95.23
35.0-36.0	196.0	12.5	2138.0	0.56	95.79

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	170.0	11.1	2149.1	0.50	96.28
37.0-38.0	147.7	9.9	2159.0	0.44	96.73
38.0-39.0	130.8	8.9	2167.9	0.40	97.13
39.0-40.0	116.1	8.1	2176.0	0.36	97.49
40.0-41.0	101.8	7.2	2183.3	0.32	97.81
41.0-42.0	89.3	6.5	2189.7	0.29	98.10
42.0-43.0	78.8	5.8	2195.6	0.26	98.37
43.0-44.0	69.4	5.2	2200.8	0.23	98.60
44.0-45.0	61.1	4.7	2205.5	0.21	98.81
45.0-46.0	54.3	4.2	2209.8	0.19	99.00
46.0-47.0	46.7	3.7	2213.5	0.17	99.17
47.0-48.0	40.0	3.2	2216.7	0.14	99.31
48.0-49.0	34.7	2.8	2219.6	0.13	99.44
49.0-50.0	29.4	2.5	2222.0	0.11	99.55
50.0-51.0	25.3	2.1	2224.1	0.10	99.65
51.0-52.0	21.1	1.8	2226.0	0.08	99.73
52.0-53.0	17.0	1.5	2227.4	0.07	99.79
53.0-54.0	13.6	1.2	2228.6	0.05	99.85
54.0-55.0	10.9	1.0	2229.6	0.04	99.89
55.0-56.0	9.4	0.9	2230.5	0.04	99.93
56.0-57.0	7.5	0.7	2231.1	0.03	99.96
57.0-58.0	5.3	0.5	2231.6	0.02	99.98
58.0-59.0	2.6	0.2	2231.9	0.01	99.99
59.0-60.0	1.1	0.1	2232.0	0.00	100.00
60.0-61.0	0.8	0.1	2232.1	0.00	100.00
61.0-62.0	0.0	0.0	2232.1	0.00	100.00
62.0-63.0	0.0	0.0	2232.1	0.00	100.00
63.0-64.0	0.0	0.0	2232.1	0.00	100.00
64.0-65.0	0.0	0.0	2232.1	0.00	100.00
65.0-66.0	0.0	0.0	2232.1	0.00	100.00
66.0-67.0	0.0	0.0	2232.1	0.00	100.00
67.0-68.0	0.0	0.0	2232.1	0.00	100.00
68.0-69.0	0.0	0.0	2232.1	0.00	100.00
69.0-70.0	0.0	0.0	2232.1	0.00	100.00
70.0-71.0	0.0	0.0	2232.1	0.00	100.00
71.0-72.0	0.0	0.0	2232.1	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: 3.010 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	4936.1	4936.1								
G1.0	4937.6	4921.0								
G2.0	4939.1	4890.8								
G3.0	4933.0	4851.6								
G4.0	4925.5	4815.5								
G5.0	4913.4	4770.2								
G6.0	4886.3	4722.0								
G7.0	4850.1	4669.2								
G8.0	4800.4	4607.4								
G9.0	4735.5	4533.5								
G10.0	4651.1	4449.1								
G11.0	4548.6	4348.1								
G12.0	4425.0	4232.0								
G13.0	4278.7	4093.3								
G14.0	4109.9	3930.4								
G15.0	3907.8	3743.5								
G16.0	3675.7	3530.9								
G17.0	3411.8	3288.2								
G18.0	3125.4	3025.9								
G19.0	2828.4	2734.9								
G20.0	2511.8	2442.4								
G21.0	2201.2	2149.9								
G22.0	1905.7	1865.0								
G23.0	1625.3	1595.1								
G24.0	1384.0	1358.4								
G25.0	1171.4	1141.3								
G26.0	986.0	955.8								
G27.0	827.7	794.5								
G28.0	692.0	657.3								
G29.0	580.5	542.8								
G30.0	487.0	450.8								
G31.0	411.6	375.4								
G32.0	348.3	313.6								
G33.0	300.0	266.9								
G34.0	256.3	227.7								
G35.0	224.6	194.5								
G36.0	196.0	168.9								

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Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	170.4	144.7								
G38.0	147.8	128.1								
G39.0	132.7	114.6								
G40.0	116.1	101.0								
G41.0	101.0	88.9								
G42.0	90.5	76.9								
G43.0	78.4	69.3								
G44.0	69.3	60.3								
G45.0	60.3	54.3								
G46.0	54.3	48.2								
G47.0	45.2	39.2								
G48.0	39.2	36.2								
G49.0	33.2	30.1								
G50.0	30.1	24.1								
G51.0	24.1	22.6								
G52.0	19.6	18.1								
G53.0	16.6	13.6								
G54.0	15.1	9.1								
G55.0	12.1	7.5								
G56.0	10.6	7.5								
G57.0	7.5	4.5								
G58.0	6.0	3.0								
G59.0	1.5	0.0								
G60.0	3.0	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

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:

Unit: cd

Inspector: