

Report No.:

Test Time: 2026-10-10 16:56

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 24D

Luminous Length (mm): -72

Voltage: 228.0 V

Power: 10.40 W

Lamp Description: BLX V6HD F90 3000K

Luminous Width (mm): -72

Current: 0.049 A

Power Factor: 0.932

Photometric Results

CIE Class: Direct

Measurement Flux: 809.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24

Vertical Diffuse Angle(50%): V24

Luminaire Efficacy Rating (LER): 77.87

Max. Intensity: 3918.48 cd

S/MH(C0/C180): 0.41

Total Rated Lamp Lumens: 809.3 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 3918.3 cd

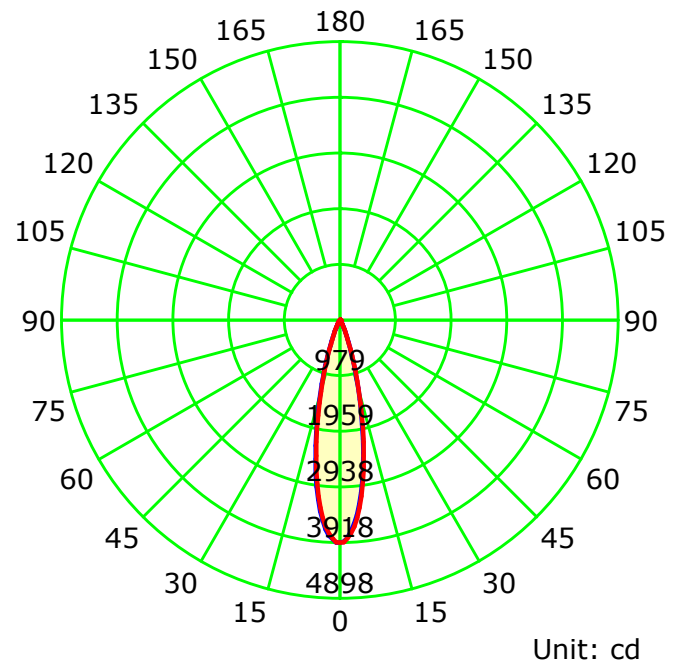
Pos of Max. Intensity: H180 V1

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

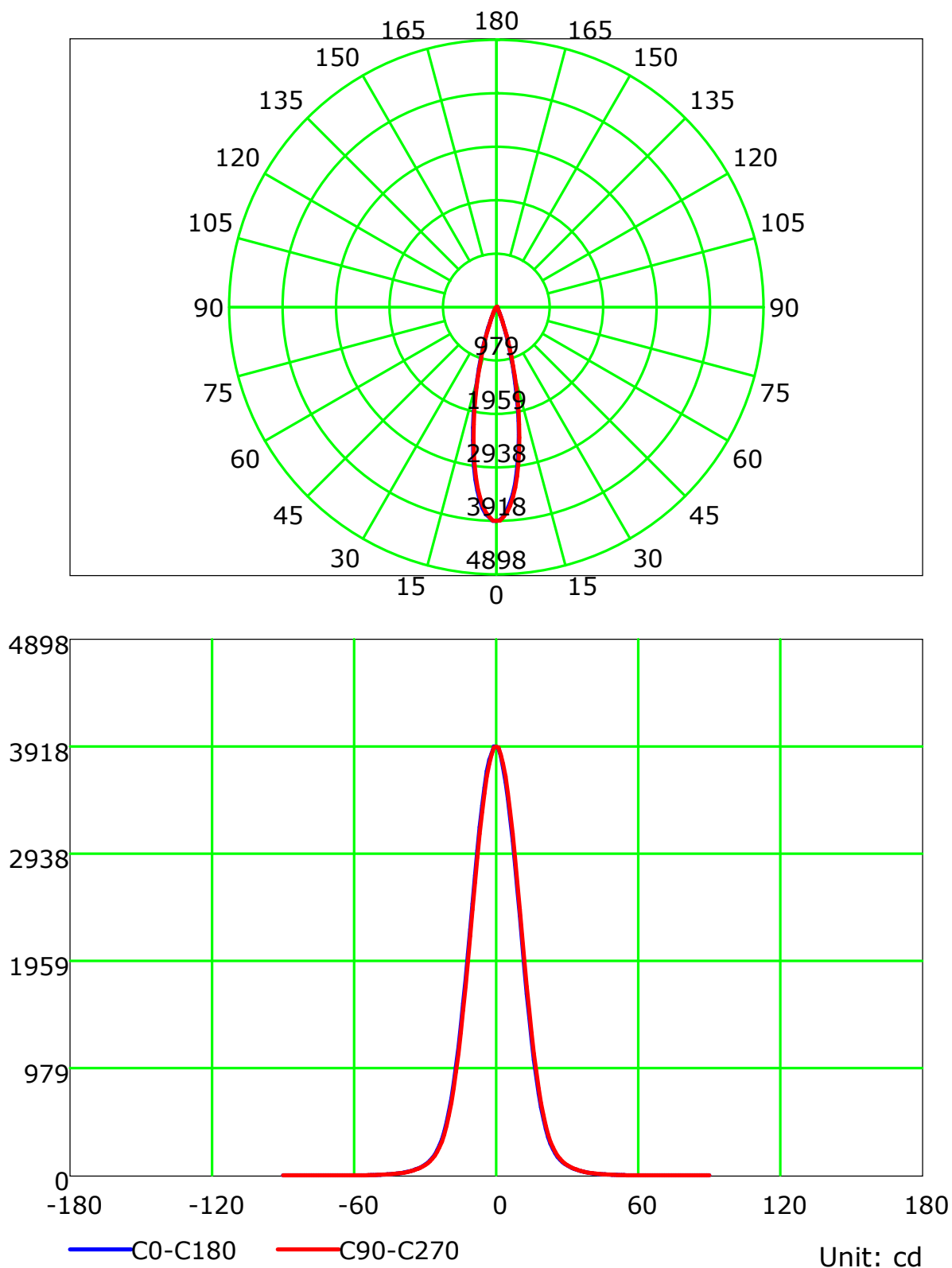
Test Device: CHL-6E

Distance: 3.218 m

Humidity:

Inspector:

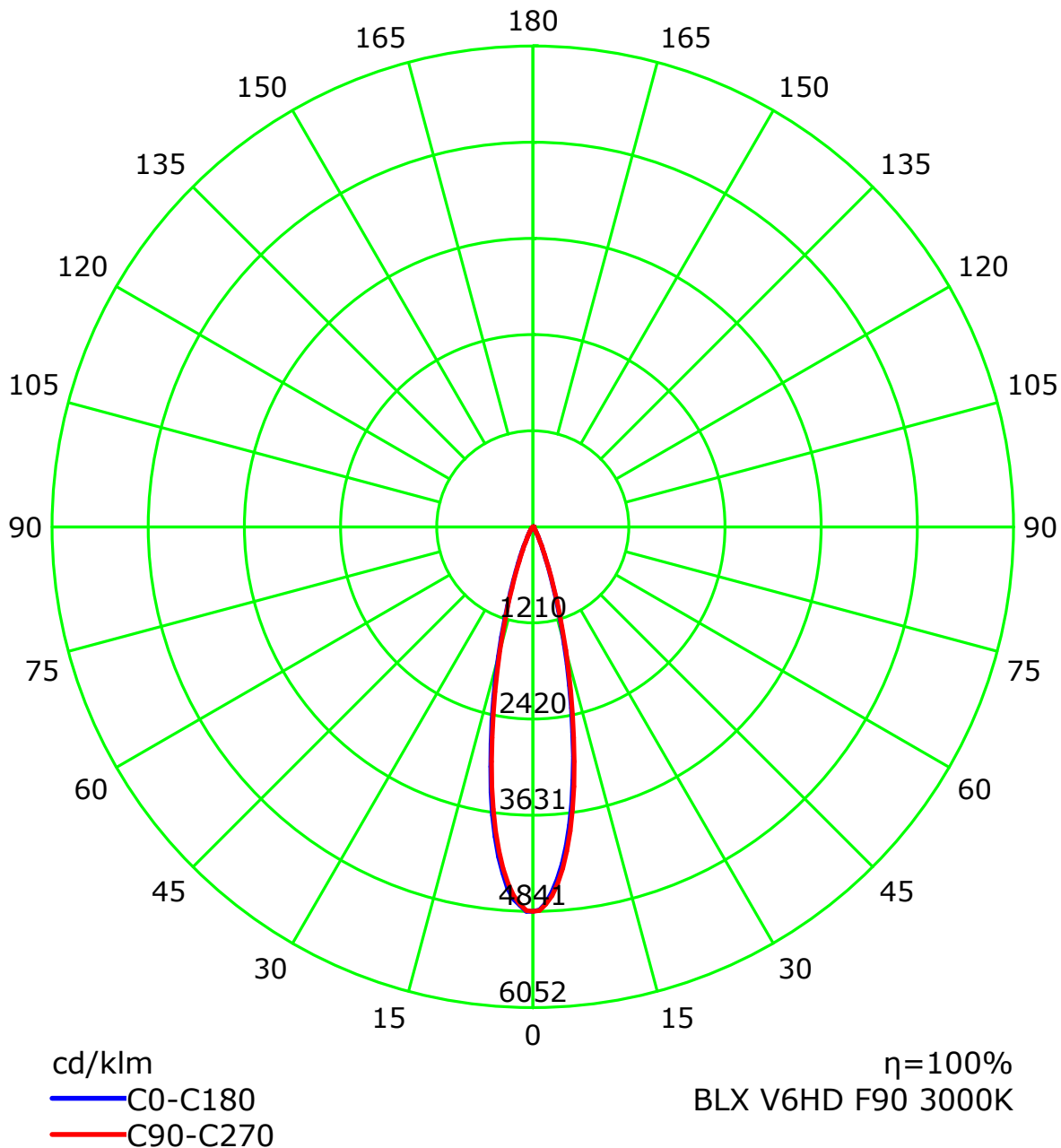
Luminous Intensity Distribution Curve



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: 3.218 m
Humidity:
Inspector:

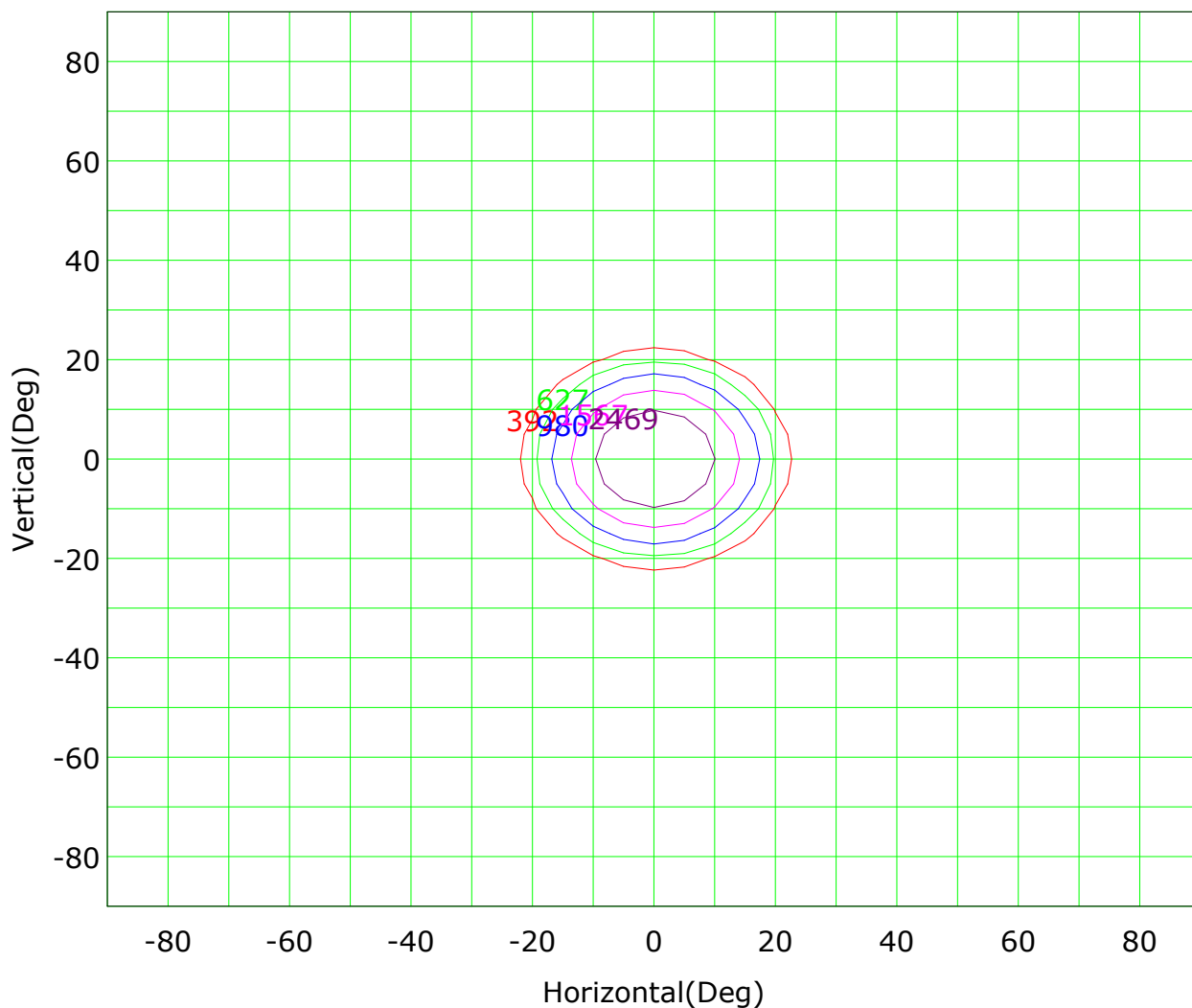
Luminous Intensity Distribution Curve(cd/klm)



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: 3.218 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 3918 cd

(10%): 392 cd	(16%): 627 cd
(25%): 980 cd	(40%): 1567 cd
(63%): 2469 cd	(100%): 3918 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

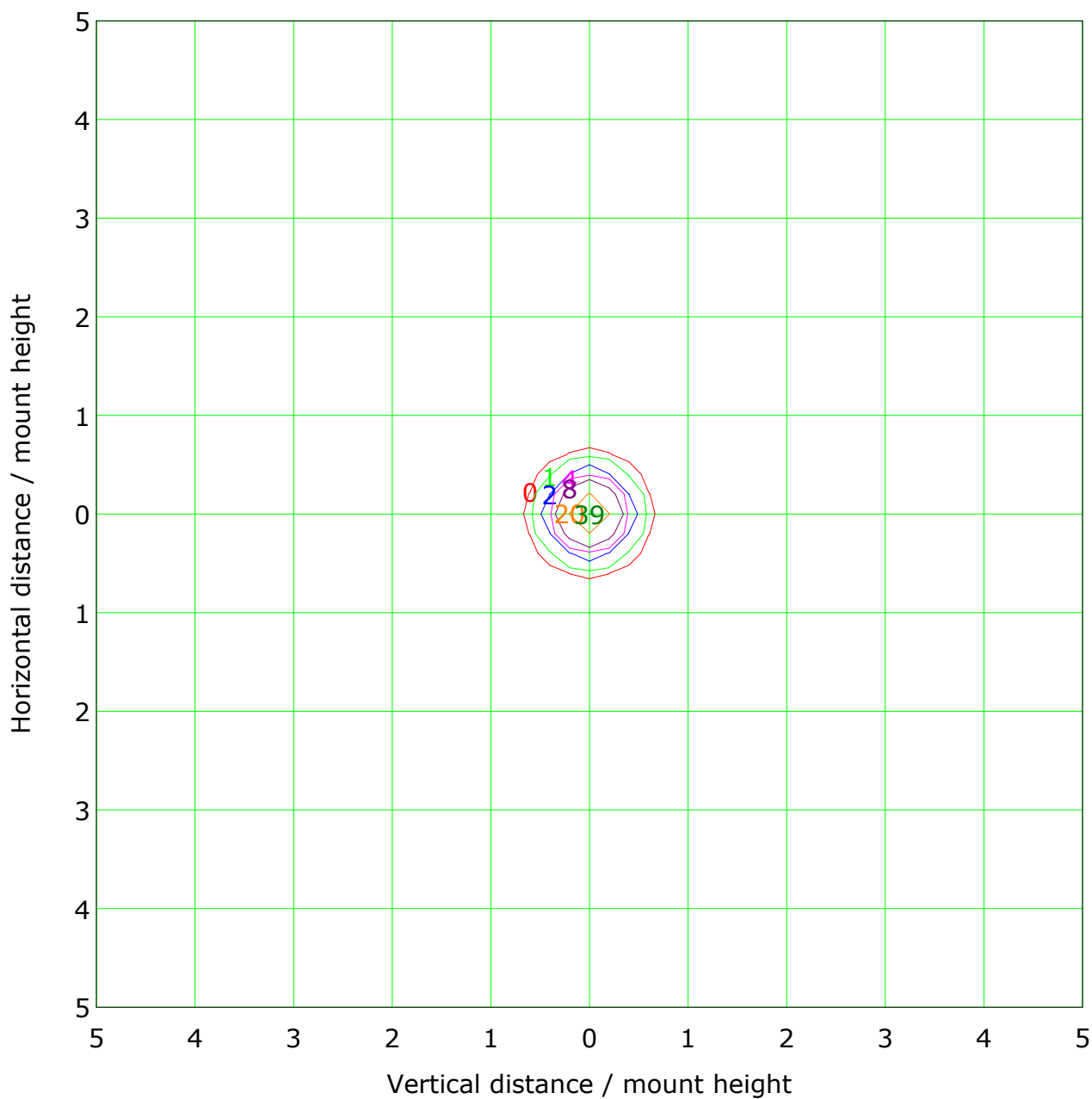
Test Device: CHL-6E

Distance: 3.218 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 39.2 lx

(1%): 0.4 lx	(2%): 0.8 lx
(5%): 2.0 lx	(10%): 3.9 lx
(20%): 7.8 lx	(50%): 19.6 lx
(100%): 39.2 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

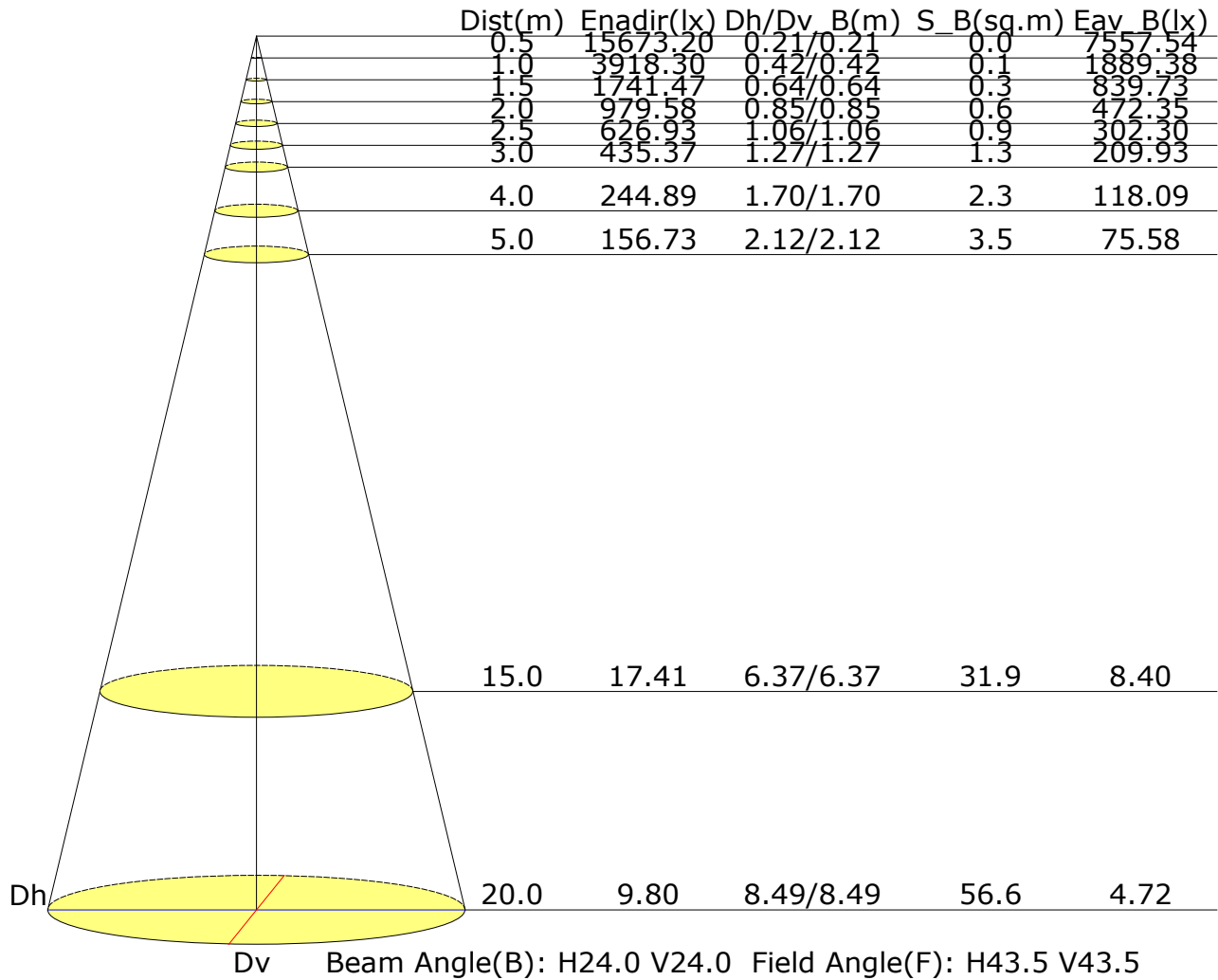
Test Device: CHL-6E

Distance: 3.218 m

Humidity:

Inspector:

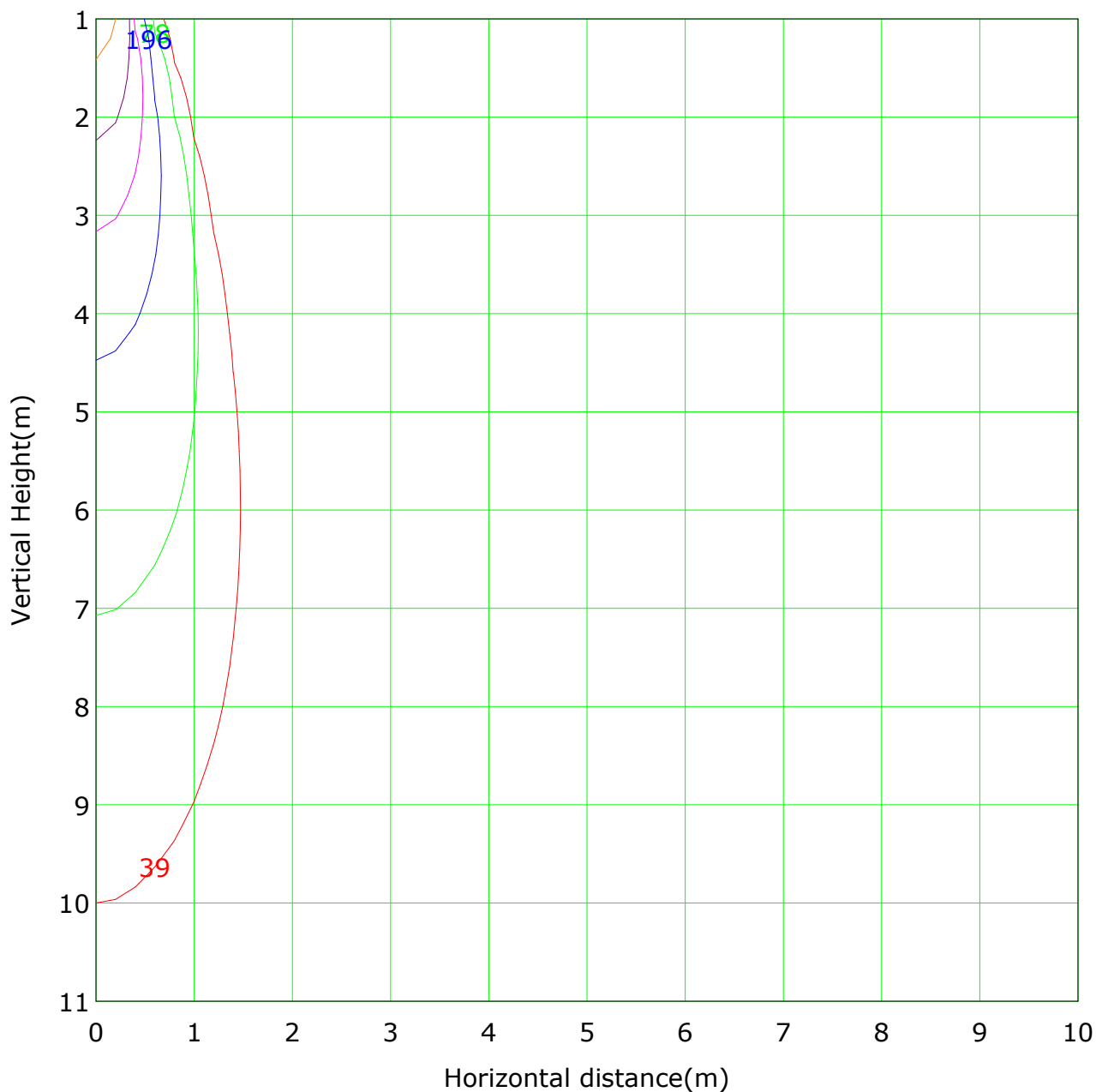
Illuminance at a Distance



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: 3.218 m
Humidity:
Inspector:

Vertical IsoLux Plot



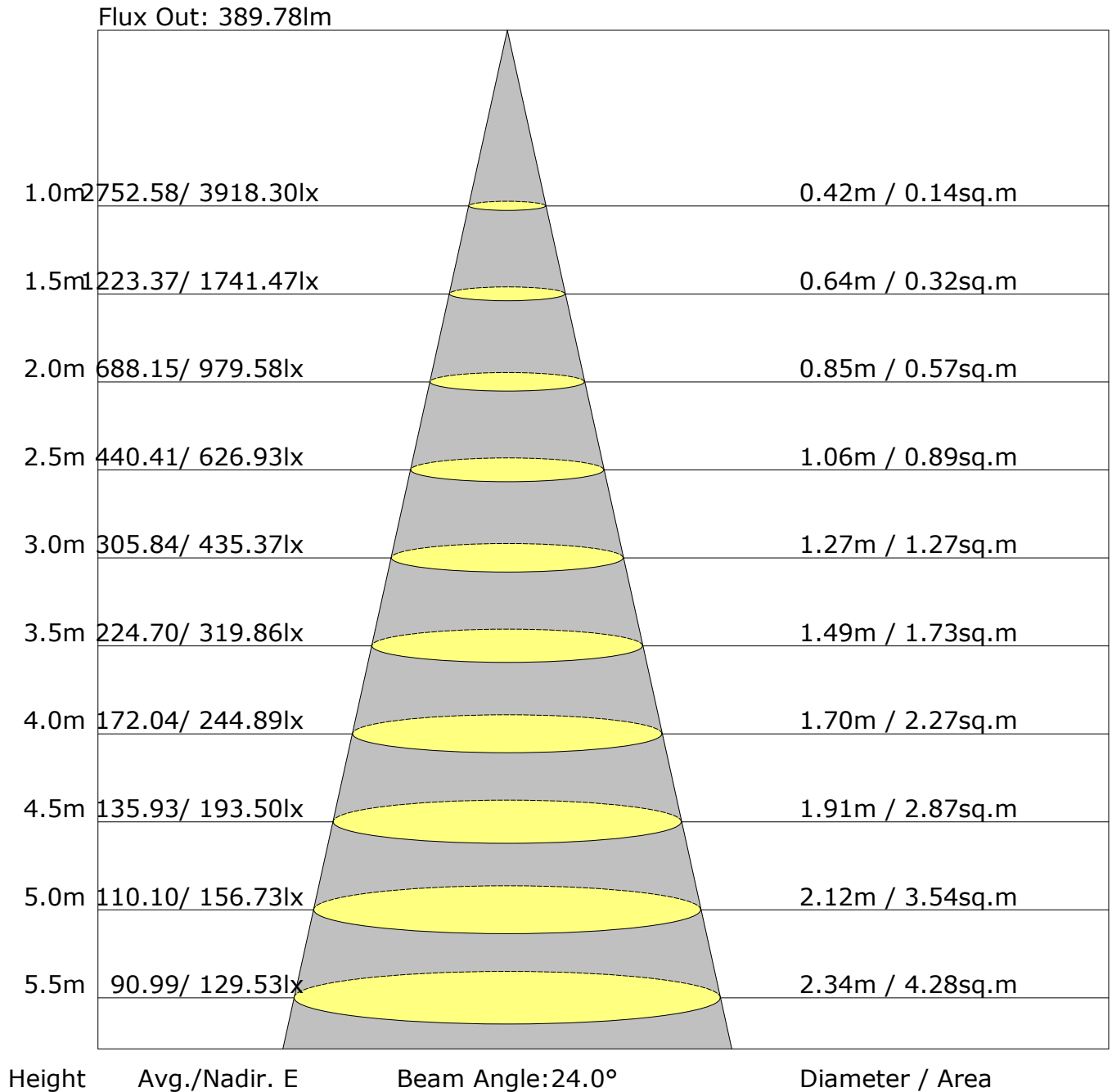
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3918.3 lx
— (1%): 39.2 lx — (2%): 78.4 lx
— (5%): 195.9 lx — (10%): 391.8 lx
— (20%): 783.7 lx — (50%): 1959.2 lx
— (100%): 3918.3 lx

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: 3.218 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.218 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: 3.218 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	6.9	7.5	7.2	7.7	7.9	7.1	7.6	7.3	7.8	8.0
3H	6.8	7.3	7.1	7.6	7.8	6.9	7.5	7.2	7.7	7.9
4H	6.7	7.2	7.0	7.5	7.7	6.8	7.4	7.1	7.6	7.9
6H	6.6	7.1	7.0	7.4	7.7	6.8	7.2	7.1	7.5	7.8
8H	6.6	7.1	6.9	7.4	7.7	6.7	7.2	7.1	7.5	7.8
12H	6.6	7.0	6.9	7.3	7.6	6.7	7.1	7.0	7.4	7.7
X=4H Y=2H	6.7	7.2	7.0	7.5	7.7	6.9	7.4	7.2	7.6	7.9
3H	6.6	7.0	6.9	7.3	7.6	6.7	7.1	7.0	7.4	7.8
4H	6.5	6.9	6.9	7.2	7.6	6.6	7.0	7.0	7.3	7.7
6H	6.4	6.8	6.8	7.1	7.5	6.5	6.9	6.9	7.2	7.6
8H	6.4	6.7	6.8	7.1	7.5	6.5	6.8	6.9	7.2	7.6
12H	6.3	6.6	6.7	7.0	7.4	6.4	6.7	6.9	7.1	7.5
X=8H Y=4H	6.4	6.7	6.8	7.1	7.5	6.5	6.8	6.9	7.2	7.6
6H	6.3	6.5	6.7	6.9	7.4	6.4	6.6	6.8	7.1	7.5
8H	6.2	6.4	6.7	6.9	7.4	6.3	6.6	6.8	7.0	7.5
12H	6.2	6.4	6.6	6.8	7.3	6.3	6.5	6.8	6.9	7.4
X=12H Y=4H	6.3	6.6	6.7	7.0	7.4	6.4	6.7	6.9	7.1	7.5
6H	6.2	6.4	6.7	6.9	7.4	6.3	6.6	6.8	7.0	7.5
8H	6.2	6.4	6.6	6.8	7.3	6.3	6.5	6.8	6.9	7.4
Variations with the observer position at spacings:										
S=1.0H	+4.9/-11.7					+5.0/-12.0				
S=1.5H	+7.7/-21.9					+7.7/-22.4				
S=2.0H	+9.7/-26.9					+9.7/-29.6				

Calculate in accordance with CIE Pub.117. The table is revised with 809lm ($8\log(F/F_0) = -0.7$).

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: 3.218 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	398	49.1
	FL (0°-30°)	377	46.6
	FM (30°-60°)	21	2.5
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	412	50.9
	BL (0°-30°)	391	48.3
	BM (30°-60°)	21	2.6
	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)	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: 3.218 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	3914.3	3.7	3.7	0.46	0.46
1.0-2.0	3877.6	11.1	14.9	1.38	1.84
2.0-3.0	3803.5	18.2	33.1	2.25	4.09
3.0-4.0	3703.1	24.8	57.9	3.06	7.15
4.0-5.0	3568.3	30.7	88.6	3.79	10.94
5.0-6.0	3406.8	35.8	124.4	4.42	15.37
6.0-7.0	3221.5	40.0	164.4	4.94	20.31
7.0-8.0	3013.8	43.1	207.5	5.33	25.64
8.0-9.0	2791.9	45.3	252.8	5.59	31.23
9.0-10.0	2553.2	46.2	299.0	5.71	36.94
10.0-11.0	2308.6	46.1	345.1	5.70	42.64
11.0-12.0	2071.6	45.3	390.4	5.60	48.24
12.0-13.0	1839.8	43.7	434.1	5.40	53.64
13.0-14.0	1616.6	41.4	475.4	5.11	58.75
14.0-15.0	1405.2	38.6	514.0	4.77	63.52
15.0-16.0	1207.9	35.4	549.4	4.37	67.89
16.0-17.0	1029.1	32.1	581.5	3.96	71.85
17.0-18.0	870.1	28.7	610.2	3.55	75.40
18.0-19.0	728.7	25.4	635.5	3.13	78.53
19.0-20.0	605.7	22.2	657.7	2.74	81.27
20.0-21.0	501.4	19.3	677.0	2.38	83.65
21.0-22.0	413.6	16.6	693.6	2.05	85.70
22.0-23.0	341.3	14.3	707.9	1.77	87.47
23.0-24.0	283.2	12.4	720.3	1.53	89.00
24.0-25.0	236.3	10.7	731.0	1.33	90.33
25.0-26.0	197.7	9.3	740.4	1.15	91.48
26.0-27.0	166.0	8.1	748.5	1.00	92.49
27.0-28.0	140.6	7.1	755.6	0.88	93.37
28.0-29.0	119.7	6.3	761.9	0.77	94.14
29.0-30.0	102.6	5.5	767.4	0.68	94.83
30.0-31.0	88.5	4.9	772.3	0.61	95.43
31.0-32.0	76.7	4.4	776.7	0.54	95.98
32.0-33.0	66.8	3.9	780.7	0.49	96.46
33.0-34.0	58.3	3.5	784.2	0.44	96.90
34.0-35.0	50.4	3.1	787.3	0.39	97.29
35.0-36.0	43.2	2.8	790.1	0.34	97.63

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: 3.218 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	37.1	2.4	792.5	0.30	97.93
37.0-38.0	32.0	2.1	794.6	0.26	98.19
38.0-39.0	27.5	1.9	796.5	0.23	98.42
39.0-40.0	23.6	1.6	798.2	0.20	98.62
40.0-41.0	20.4	1.5	799.6	0.18	98.80
41.0-42.0	17.7	1.3	800.9	0.16	98.96
42.0-43.0	15.4	1.1	802.0	0.14	99.10
43.0-44.0	13.4	1.0	803.0	0.13	99.23
44.0-45.0	11.9	0.9	804.0	0.11	99.34
45.0-46.0	10.5	0.8	804.8	0.10	99.44
46.0-47.0	9.1	0.7	805.5	0.09	99.53
47.0-48.0	7.8	0.6	806.1	0.08	99.61
48.0-49.0	6.7	0.5	806.7	0.07	99.68
49.0-50.0	5.8	0.5	807.2	0.06	99.74
50.0-51.0	5.0	0.4	807.6	0.05	99.79
51.0-52.0	4.2	0.4	807.9	0.04	99.83
52.0-53.0	3.3	0.3	808.2	0.04	99.87
53.0-54.0	2.6	0.2	808.5	0.03	99.90
54.0-55.0	2.0	0.2	808.6	0.02	99.92
55.0-56.0	1.5	0.1	808.8	0.02	99.94
56.0-57.0	1.2	0.1	808.9	0.01	99.95
57.0-58.0	0.9	0.1	809.0	0.01	99.96
58.0-59.0	0.7	0.1	809.0	0.01	99.97
59.0-60.0	0.4	0.0	809.1	0.00	99.97
60.0-61.0	0.4	0.0	809.1	0.01	99.98
61.0-62.0	0.5	0.0	809.2	0.01	99.98
62.0-63.0	0.3	0.0	809.2	0.00	99.99
63.0-64.0	0.2	0.0	809.2	0.00	99.99
64.0-65.0	0.1	0.0	809.2	0.00	99.99
65.0-66.0	0.1	0.0	809.2	0.00	99.99
66.0-67.0	0.1	0.0	809.2	0.00	99.99
67.0-68.0	0.1	0.0	809.2	0.00	100.00
68.0-69.0	0.0	0.0	809.2	0.00	100.00
69.0-70.0	0.0	0.0	809.3	0.00	100.00
70.0-71.0	0.1	0.0	809.3	0.00	100.00
71.0-72.0	0.0	0.0	809.3	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
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Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.218 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	3918.3	3918.3								
G1.0	3902.0	3918.5								
G2.0	3834.4	3855.5								
G3.0	3725.9	3798.0								
G4.0	3594.3	3694.0								
G5.0	3442.8	3542.1								
G6.0	3261.4	3380.8								
G7.0	3062.2	3181.8								
G8.0	2843.9	2967.4								
G9.0	2614.9	2741.3								
G10.0	2374.9	2481.8								
G11.0	2128.1	2249.8								
G12.0	1886.5	2022.2								
G13.0	1658.4	1792.3								
G14.0	1443.0	1572.6								
G15.0	1240.7	1364.6								
G16.0	1055.6	1170.5								
G17.0	892.9	997.4								
G18.0	748.7	841.6								
G19.0	622.3	702.2								
G20.0	514.8	583.5								
G21.0	424.7	482.7								
G22.0	347.9	399.0								
G23.0	288.8	329.7								
G24.0	240.3	274.1								
G25.0	201.8	228.9								
G26.0	169.7	190.3								
G27.0	144.1	159.9								
G28.0	122.5	135.9								
G29.0	105.2	115.3								
G30.0	91.1	98.7								
G31.0	79.3	84.9								
G32.0	69.0	73.6								
G33.0	59.9	64.7								
G34.0	52.2	56.3								
G35.0	44.8	48.2								
G36.0	38.8	41.0								

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: 3.218 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	33.5	35.2								
G38.0	28.8	30.4								
G39.0	24.7	26.1								
G40.0	21.5	22.3								
G41.0	18.5	19.2								
G42.0	16.0	17.2								
G43.0	13.9	14.6								
G44.0	12.4	12.9								
G45.0	11.0	11.3								
G46.0	9.8	9.8								
G47.0	8.4	8.2								
G48.0	7.2	7.2								
G49.0	6.2	6.2								
G50.0	5.5	5.5								
G51.0	4.8	4.3								
G52.0	4.0	3.6								
G53.0	2.8	2.8								
G54.0	2.6	2.2								
G55.0	1.5	1.7								
G56.0	1.4	1.2								
G57.0	1.2	0.9								
G58.0	0.9	0.9								
G59.0	0.5	0.5								
G60.0	0.5	0.2								
G61.0	0.7	0.3								
G62.0	0.5	0.3								
G63.0	0.2	0.2								
G64.0	0.2	0.2								
G65.0	0.2	0.0								
G66.0	0.2	0.0								
G67.0	0.3	0.0								
G68.0	0.2	0.0								
G69.0	0.0	0.0								
G70.0	0.2	0.0								
G71.0	0.2	0.0								
G72.0	0.0	0.0								
G73.0	0.3	0.0								

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: 3.218 m

Humidity:

Inspector:

Unit: cd

Inspector: