

Report No.:

Test Time: 2026-09-30 19:15

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 32.10112 15D

Luminous Length (mm): -60

Voltage: 231.0 V

Power: 20.10 W

Lamp Description: BLX V10C 3000K

Luminous Width (mm): -60

Current: 0.092 A

Power Factor: 0.938

Photometric Results

CIE Class: Direct

Measurement Flux: 1955.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H15.4

Vertical Diffuse Angle(50%): V15.4

Luminaire Efficacy Rating (LER): 97.34

Max. Intensity: 11406.92 cd

S/MH(C0/C180): 0.27

Total Rated Lamp Lumens: 1955.6 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 11373.74 cd

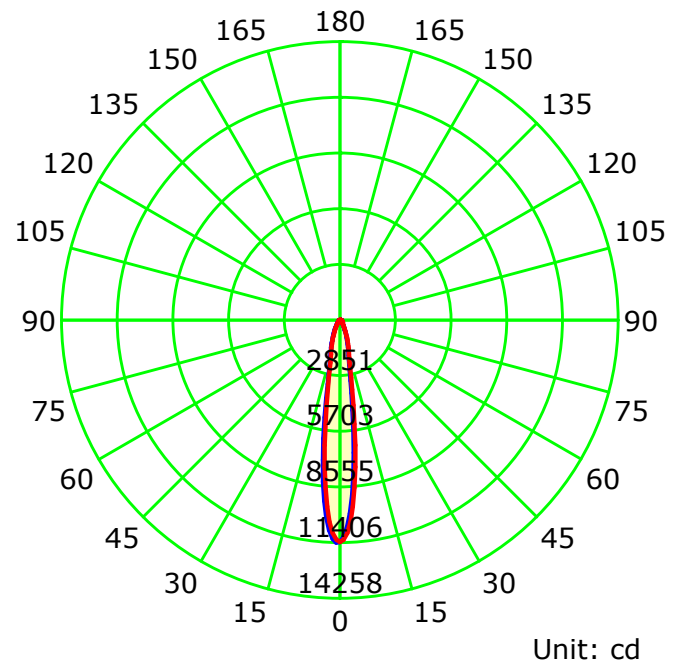
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 0.27

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

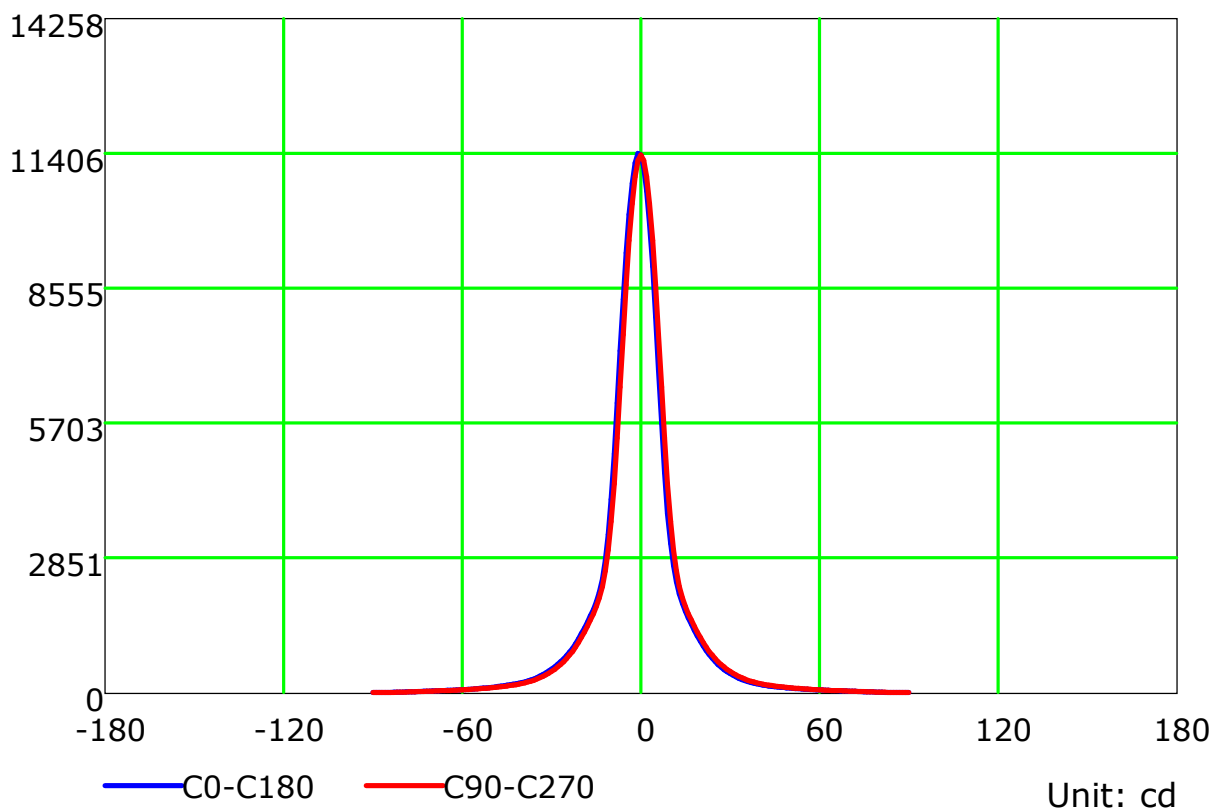
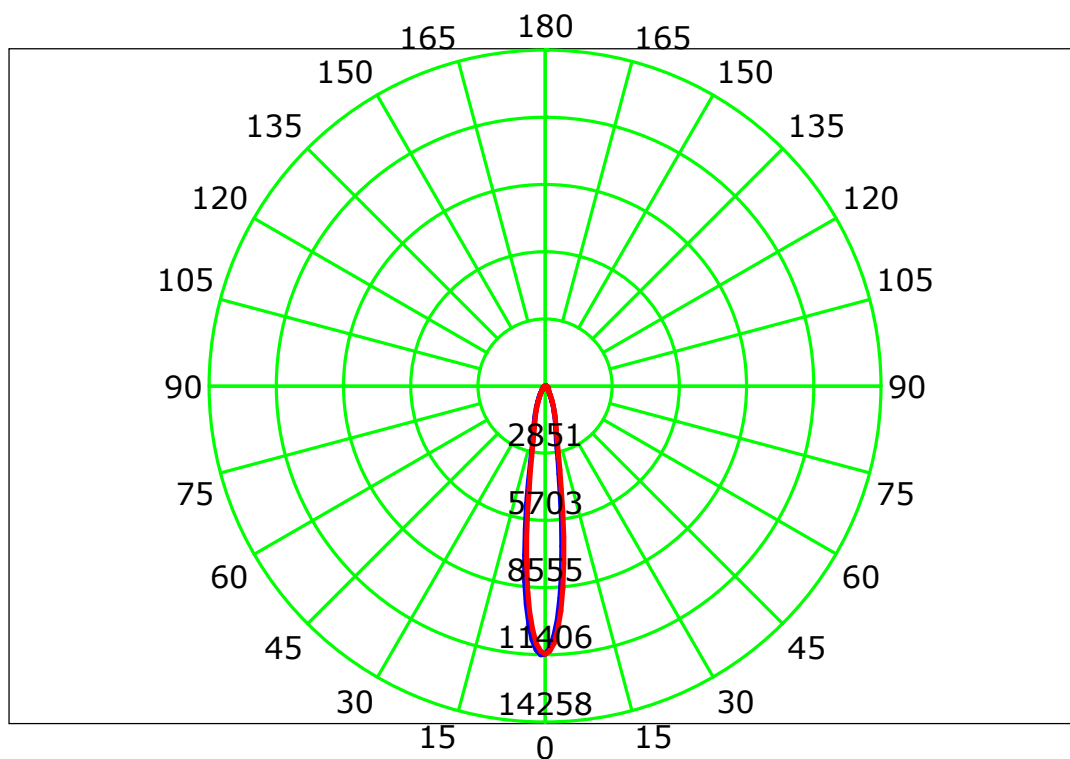
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

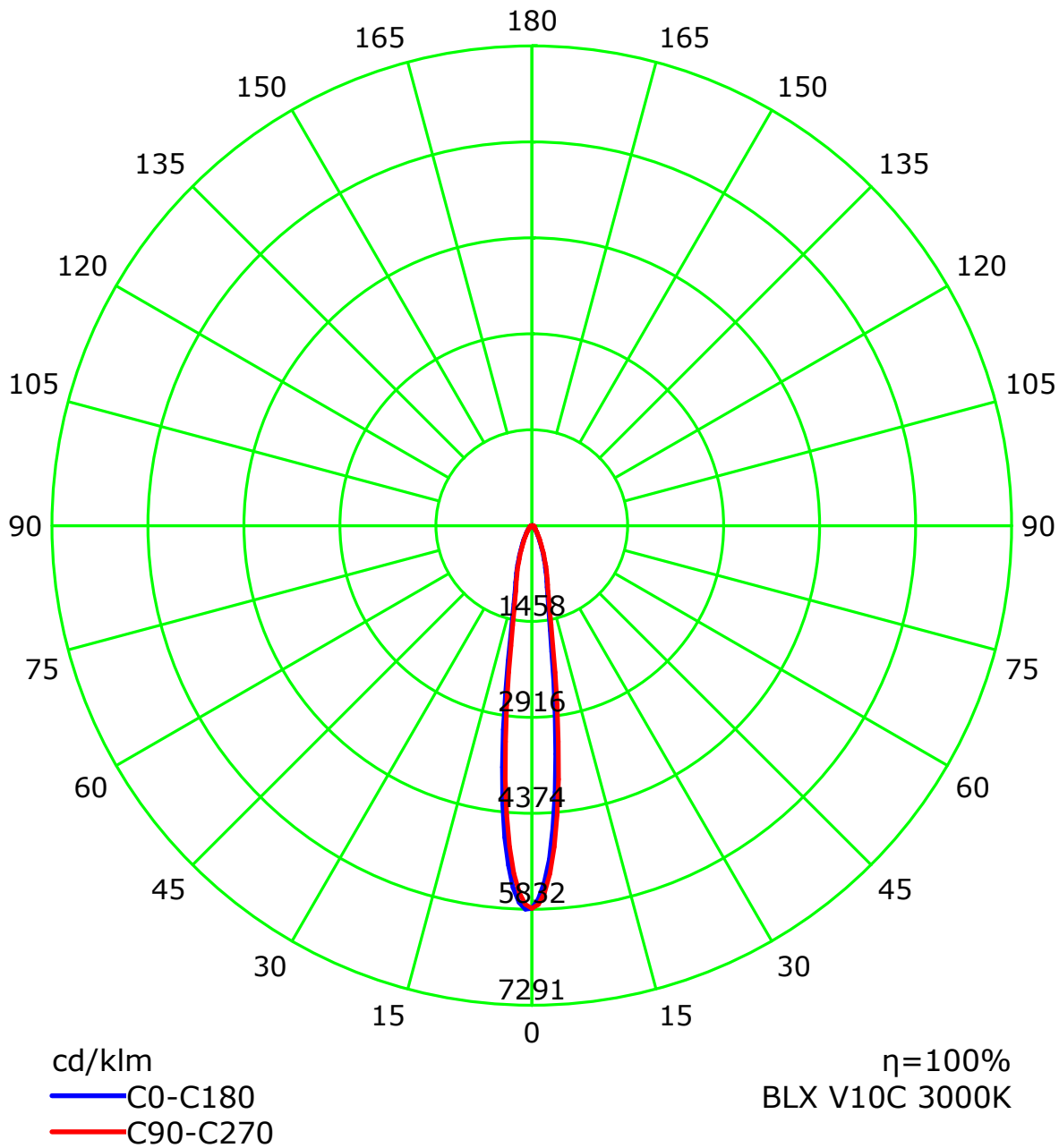
Luminous Intensity Distribution Curve



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:

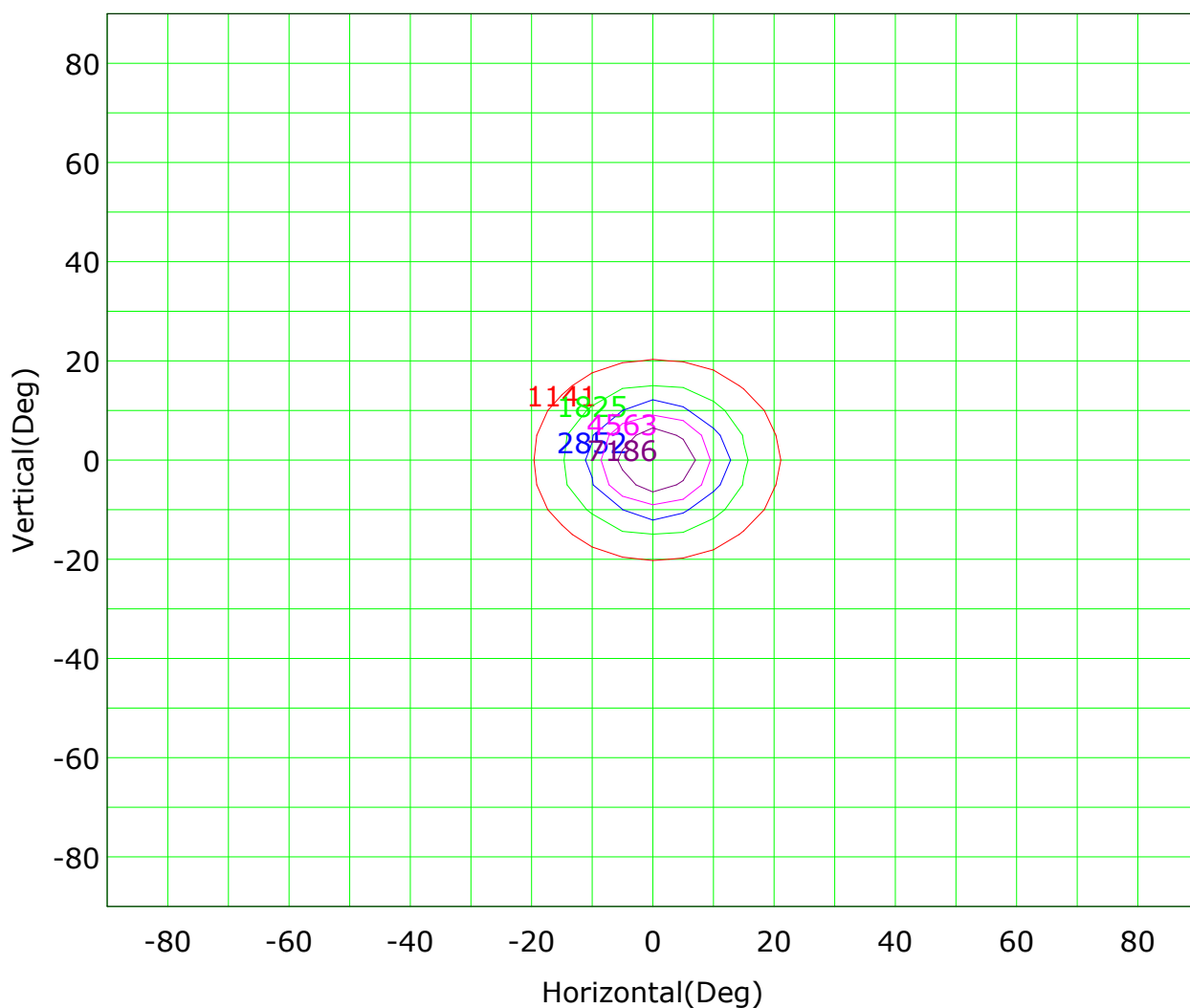
Luminous Intensity Distribution Curve(cd/klm)



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%): 11407 cd

(10%): 1141 cd	(16%): 1825 cd
(25%): 2852 cd	(40%): 4563 cd
(63%): 7186 cd	(100%): 11407 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

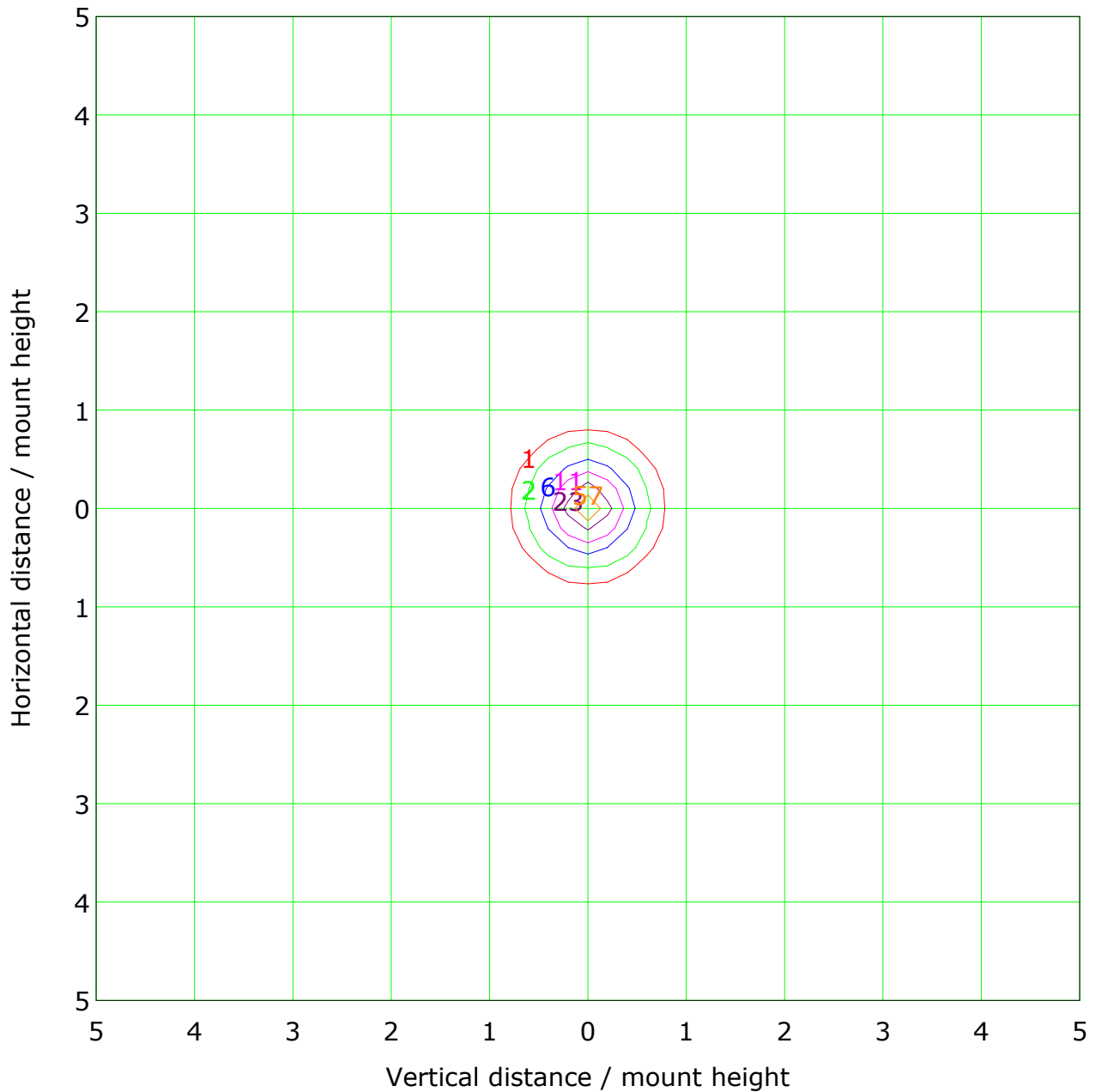
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 114.0 lx

(1%): 1.1 lx	(2%): 2.3 lx
(5%): 5.7 lx	(10%): 11.4 lx
(20%): 22.8 lx	(50%): 57.0 lx
(100%): 114.0 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

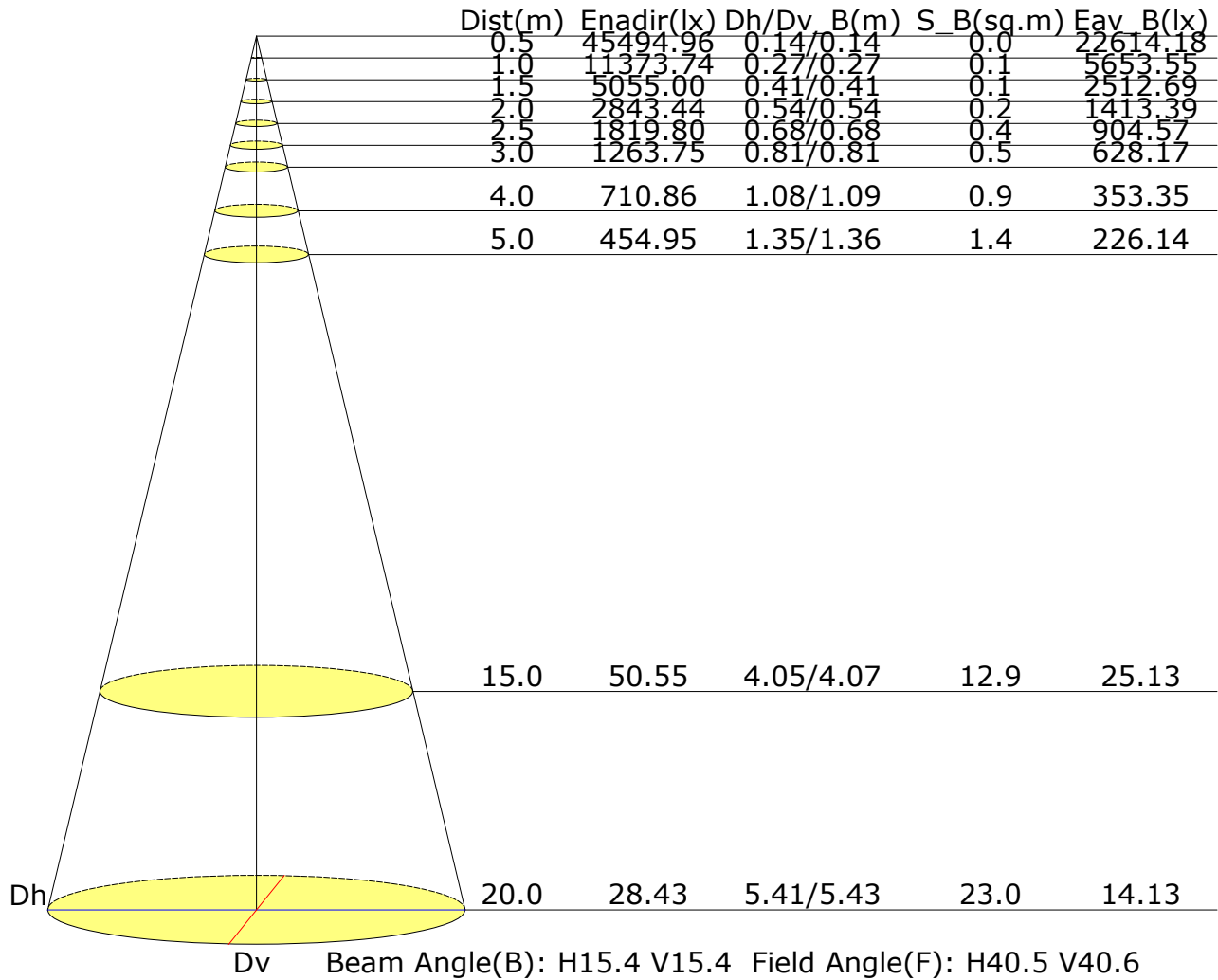
Test Device: CHL-6E

Distance: 3.010 m

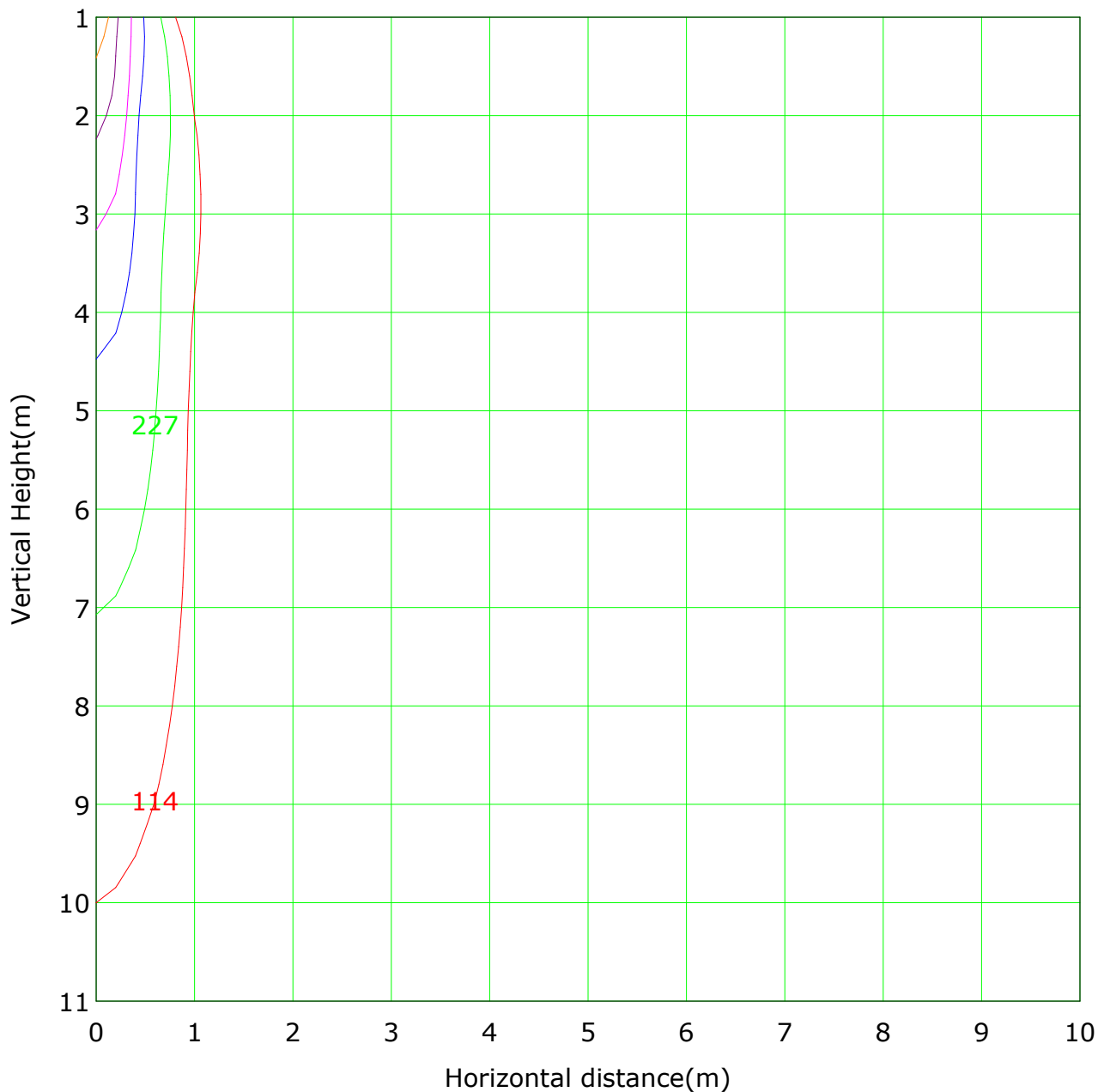
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 11373.7 lx

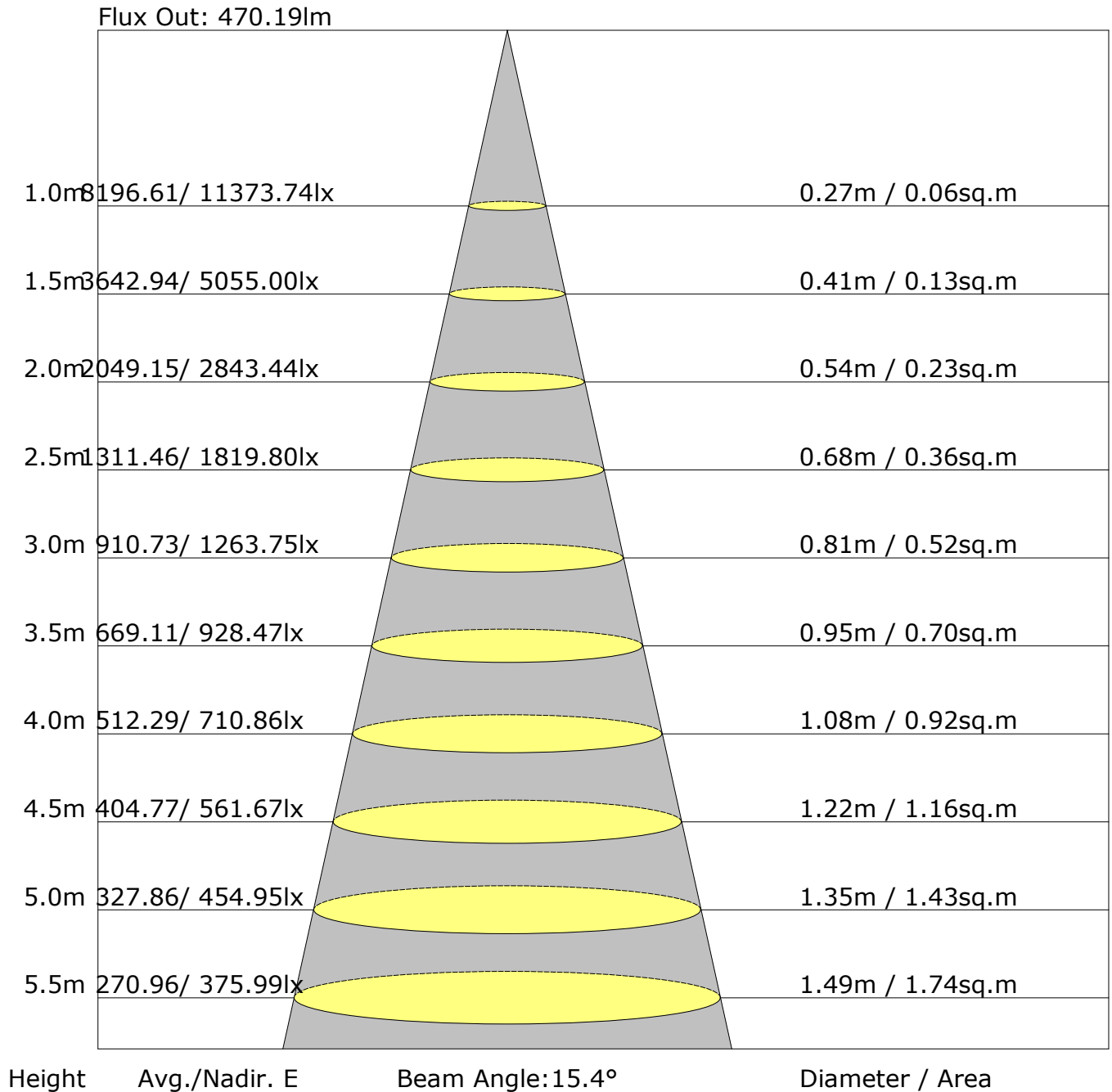
(1%): 113.7 lx	(2%): 227.5 lx
(5%): 568.7 lx	(10%): 1137.4 lx
(20%): 2274.7 lx	(50%): 5686.9 lx
(100%): 11373.7 lx	

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	21.5	22.3	21.8	22.5	22.7	21.9	22.6	22.1	22.8	23.0
3H	22.5	23.1	22.7	23.4	23.6	22.7	23.4	23.0	23.7	23.9
4H	22.8	23.4	23.1	23.7	24.0	23.1	23.7	23.4	24.0	24.3
6H	23.0	23.6	23.3	23.9	24.2	23.3	23.9	23.6	24.2	24.5
8H	23.0	23.6	23.3	23.9	24.2	23.3	23.9	23.7	24.2	24.5
12H	23.0	23.5	23.3	23.8	24.1	23.3	23.9	23.7	24.2	24.5
X=4H Y=2H	21.9	22.6	22.2	22.9	23.1	22.2	22.9	22.5	23.1	23.4
3H	23.0	23.6	23.4	23.9	24.2	23.3	23.9	23.6	24.2	24.5
4H	23.5	24.0	23.8	24.3	24.7	23.7	24.2	24.1	24.6	24.9
6H	23.7	24.2	24.1	24.6	24.9	24.0	24.5	24.4	24.8	25.2
8H	23.8	24.2	24.2	24.6	25.0	24.1	24.5	24.5	24.9	25.3
12H	23.7	24.1	24.2	24.5	24.9	24.1	24.4	24.5	24.8	25.3
X=8H Y=4H	23.6	24.0	24.0	24.4	24.8	23.8	24.3	24.3	24.6	25.1
6H	24.0	24.3	24.4	24.7	25.2	24.2	24.5	24.7	25.0	25.4
8H	24.0	24.3	24.5	24.7	25.2	24.3	24.6	24.8	25.0	25.5
12H	24.0	24.2	24.5	24.7	25.2	24.3	24.6	24.8	25.0	25.5
X=12H Y=4H	23.6	24.0	24.0	24.4	24.8	23.8	24.2	24.3	24.6	25.0
6H	24.0	24.2	24.4	24.7	25.2	24.2	24.5	24.7	24.9	25.4
8H	24.0	24.3	24.5	24.7	25.2	24.3	24.6	24.8	25.0	25.5
Variations with the observer position at spacings:										
S=1.0H	+0.6/-0.6					+0.7/-0.6				
S=1.5H	+1.4/-1.3					+1.6/-1.3				
S=2.0H	+2.4/-1.5					+2.7/-1.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1956lm ($8\log(F/F_0) = 2.3$).

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	936	47.8
	FL (0°-30°)	727	37.2
	FM (30°-60°)	174	8.9
	FH (60°-80°)	33	1.7
	FVH (80°-90°)	2	0.1
	BACK LIGHT	1020	52.2
	BL (0°-30°)	791	40.4
	BM (30°-60°)	192	9.8
	BH (60°-80°)	35	1.8
	BVH (80°-90°)	2	0.1
	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 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 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	11316.1	10.8	10.8	0.55	0.55
1.0-2.0	11086.2	31.8	42.7	1.63	2.18
2.0-3.0	10631.2	50.9	93.5	2.60	4.78
3.0-4.0	9958.4	66.7	160.2	3.41	8.19
4.0-5.0	9097.6	78.3	238.4	4.00	12.19
5.0-6.0	8101.0	85.1	323.6	4.35	16.55
6.0-7.0	7021.1	87.2	410.8	4.46	21.00
7.0-8.0	5928.1	84.9	495.6	4.34	25.34
8.0-9.0	4904.0	79.5	575.1	4.06	29.41
9.0-10.0	4020.5	72.8	647.9	3.72	33.13
10.0-11.0	3319.5	66.3	714.2	3.39	36.52
11.0-12.0	2795.6	61.1	775.3	3.13	39.65
12.0-13.0	2409.2	57.2	832.5	2.92	42.57
13.0-14.0	2123.9	54.4	886.9	2.78	45.35
14.0-15.0	1913.2	52.5	939.4	2.69	48.04
15.0-16.0	1746.6	51.2	990.6	2.62	50.65
16.0-17.0	1601.5	49.9	1040.5	2.55	53.20
17.0-18.0	1468.8	48.4	1088.9	2.48	55.68
18.0-19.0	1344.8	46.8	1135.7	2.39	58.07
19.0-20.0	1226.1	44.9	1180.6	2.30	60.37
20.0-21.0	1114.2	42.8	1223.4	2.19	62.56
21.0-22.0	1011.6	40.7	1264.0	2.08	64.64
22.0-23.0	918.2	38.5	1302.6	1.97	66.61
23.0-24.0	833.4	36.4	1339.0	1.86	68.47
24.0-25.0	757.6	34.5	1373.5	1.76	70.23
25.0-26.0	689.4	32.5	1406.0	1.66	71.90
26.0-27.0	626.1	30.6	1436.6	1.57	73.46
27.0-28.0	568.8	28.8	1465.4	1.47	74.93
28.0-29.0	517.1	27.1	1492.5	1.38	76.32
29.0-30.0	470.8	25.4	1517.9	1.30	77.62
30.0-31.0	430.4	24.0	1541.9	1.23	78.84
31.0-32.0	393.9	22.6	1564.4	1.15	80.00
32.0-33.0	359.6	21.2	1585.6	1.08	81.08
33.0-34.0	328.3	19.9	1605.5	1.02	82.10
34.0-35.0	299.3	18.6	1624.1	0.95	83.05
35.0-36.0	273.6	17.4	1641.5	0.89	83.94

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	252.5	16.5	1658.0	0.84	84.78
37.0-38.0	233.3	15.6	1673.6	0.80	85.58
38.0-39.0	215.6	14.7	1688.3	0.75	86.33
39.0-40.0	200.1	14.0	1702.2	0.71	87.04
40.0-41.0	185.8	13.2	1715.5	0.68	87.72
41.0-42.0	173.4	12.6	1728.1	0.64	88.36
42.0-43.0	163.2	12.1	1740.2	0.62	88.98
43.0-44.0	153.8	11.6	1751.8	0.59	89.58
44.0-45.0	145.5	11.2	1762.9	0.57	90.15
45.0-46.0	137.6	10.8	1773.7	0.55	90.70
46.0-47.0	130.0	10.3	1784.1	0.53	91.23
47.0-48.0	123.3	10.0	1794.0	0.51	91.74
48.0-49.0	115.3	9.5	1803.5	0.48	92.22
49.0-50.0	108.2	9.0	1812.5	0.46	92.68
50.0-51.0	101.8	8.6	1821.1	0.44	93.12
51.0-52.0	95.4	8.2	1829.3	0.42	93.54
52.0-53.0	90.8	7.9	1837.2	0.40	93.95
53.0-54.0	85.6	7.5	1844.7	0.39	94.33
54.0-55.0	79.9	7.1	1851.9	0.36	94.70
55.0-56.0	76.1	6.9	1858.8	0.35	95.05
56.0-57.0	72.0	6.6	1865.3	0.34	95.38
57.0-58.0	67.8	6.3	1871.6	0.32	95.71
58.0-59.0	64.1	6.0	1877.6	0.31	96.01
59.0-60.0	60.7	5.7	1883.3	0.29	96.30
60.0-61.0	58.4	5.6	1888.9	0.29	96.59
61.0-62.0	54.3	5.2	1894.2	0.27	96.86
62.0-63.0	51.3	5.0	1899.1	0.25	97.11
63.0-64.0	48.6	4.8	1903.9	0.24	97.36
64.0-65.0	46.4	4.6	1908.5	0.23	97.59
65.0-66.0	45.2	4.5	1913.0	0.23	97.82
66.0-67.0	42.2	4.2	1917.3	0.22	98.04
67.0-68.0	39.2	4.0	1921.2	0.20	98.24
68.0-69.0	36.6	3.7	1925.0	0.19	98.43
69.0-70.0	34.3	3.5	1928.5	0.18	98.61
70.0-71.0	32.0	3.3	1931.8	0.17	98.78
71.0-72.0	30.2	3.1	1934.9	0.16	98.94

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	11373.7	11373.7								
G1.0	11109.9	11406.9								
G2.0	10619.9	11207.9								
G3.0	9923.4	10773.7								
G4.0	9018.8	10117.9								
G5.0	7952.9	9300.7								
G6.0	6828.2	8322.3								
G7.0	5703.5	7230.7								
G8.0	4654.1	6124.1								
G9.0	3788.7	5049.1								
G10.0	3157.0	4087.3								
G11.0	2691.2	3342.5								
G12.0	2347.4	2801.2								
G13.0	2089.6	2398.7								
G14.0	1887.6	2119.8								
G15.0	1723.3	1922.3								
G16.0	1580.0	1760.9								
G17.0	1444.3	1620.7								
G18.0	1320.7	1489.6								
G19.0	1203.1	1365.9								
G20.0	1088.5	1246.8								
G21.0	986.0	1135.3								
G22.0	892.5	1032.7								
G23.0	806.6	940.8								
G24.0	729.7	856.3								
G25.0	660.3	784.0								
G26.0	595.5	717.6								
G27.0	538.2	652.8								
G28.0	485.5	598.5								
G29.0	441.7	542.8								
G30.0	402.5	496.0								
G31.0	367.9	455.3								
G32.0	334.7	417.6								
G33.0	304.5	381.4								
G34.0	277.4	349.8								
G35.0	253.3	316.6								
G36.0	233.7	291.0								

C Plane (°):0.0-180.0: 180.0
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Gamma Plane (°):0.0-90.0:1.0
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Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	215.6	269.9								
G38.0	200.5	247.3								
G39.0	185.4	229.2								
G40.0	173.4	212.6								
G41.0	159.8	197.5								
G42.0	150.8	185.4								
G43.0	140.2	176.4								
G44.0	132.7	165.8								
G45.0	126.6	156.8								
G46.0	119.1	147.8								
G47.0	114.6	138.7								
G48.0	108.6	131.2								
G49.0	101.0	120.6								
G50.0	96.5	114.6								
G51.0	88.9	107.0								
G52.0	85.9	99.5								
G53.0	82.9	95.0								
G54.0	75.4	88.9								
G55.0	72.4	82.9								
G56.0	69.3	79.9								
G57.0	64.8	73.9								
G58.0	61.8	70.9								
G59.0	58.8	64.8								
G60.0	57.3	61.8								
G61.0	54.3	60.3								
G62.0	48.2	54.3								
G63.0	49.8	52.8								
G64.0	43.7	48.2								
G65.0	45.2	48.2								
G66.0	42.2	45.2								
G67.0	39.2	42.2								
G68.0	36.2	39.2								
G69.0	34.7	36.2								
G70.0	31.7	34.7								
G71.0	30.1	31.7								
G72.0	27.1	31.7								
G73.0	24.1	27.1								

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

[illegible]

Inspector: