

Report No.:

Test Time: 2026-09-30 19:09

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 32.11911 36D

Luminous Length (mm): -82

Voltage: 231.2 V

Power: 27.10 W

Lamp Description: BLX V13C 3000K

Luminous Width (mm): -82

Current: 0.122 A

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Measurement Flux: 3179 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H42.5

Vertical Diffuse Angle(50%): V42.5

Luminaire Efficacy Rating (LER): 117.36

Max. Intensity: 4693.34 cd

S/MH(C0/C180): 0.70

Total Rated Lamp Lumens: 3179.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 4693.33 cd

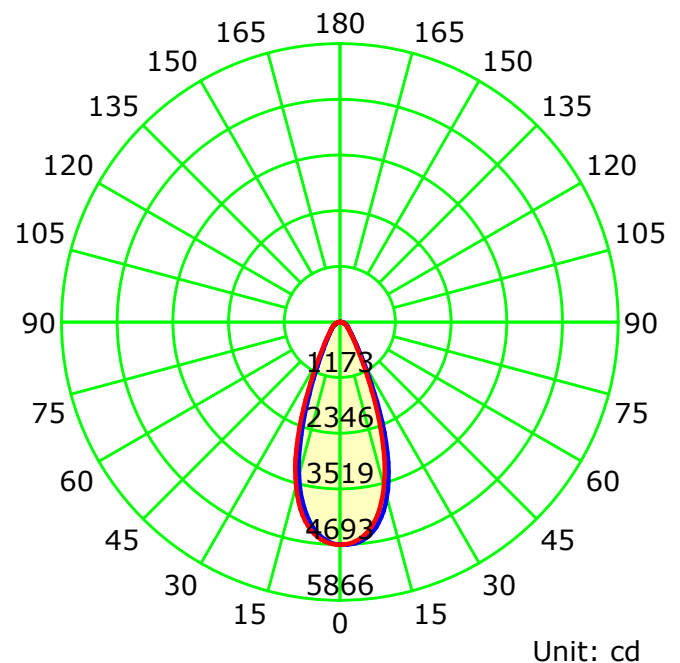
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 0.70

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

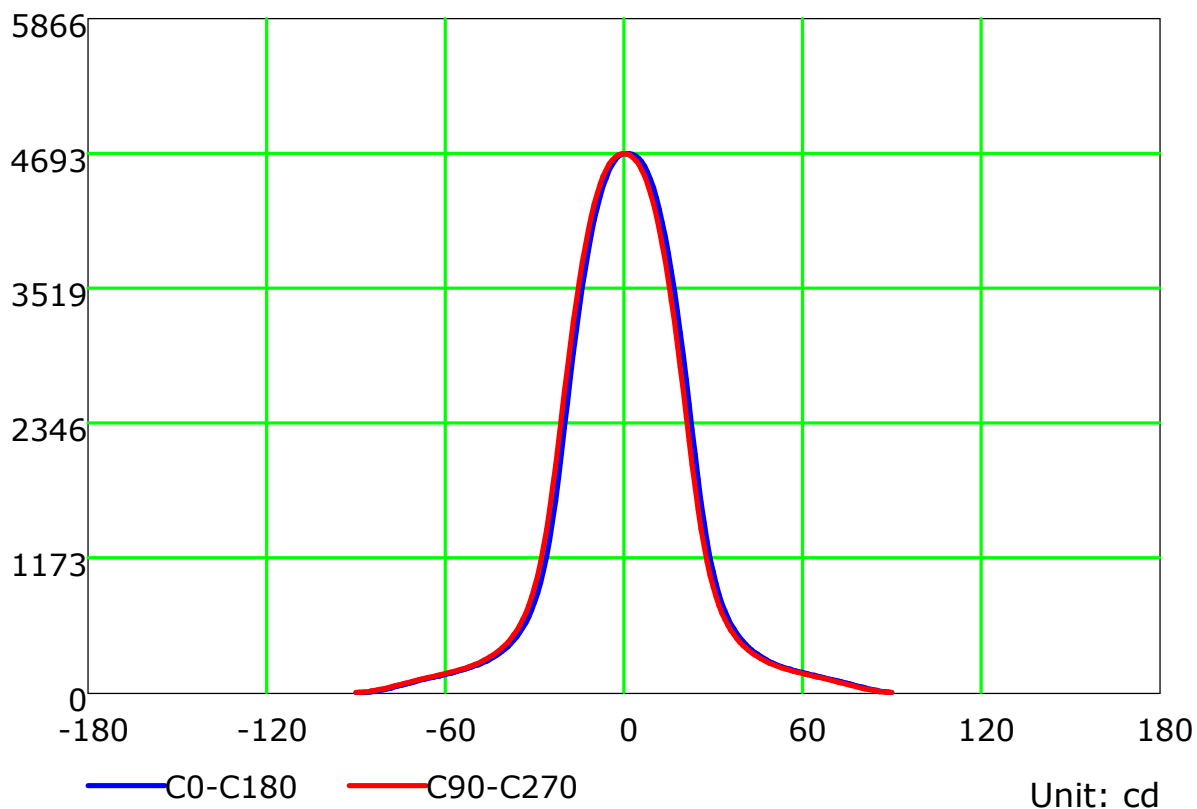
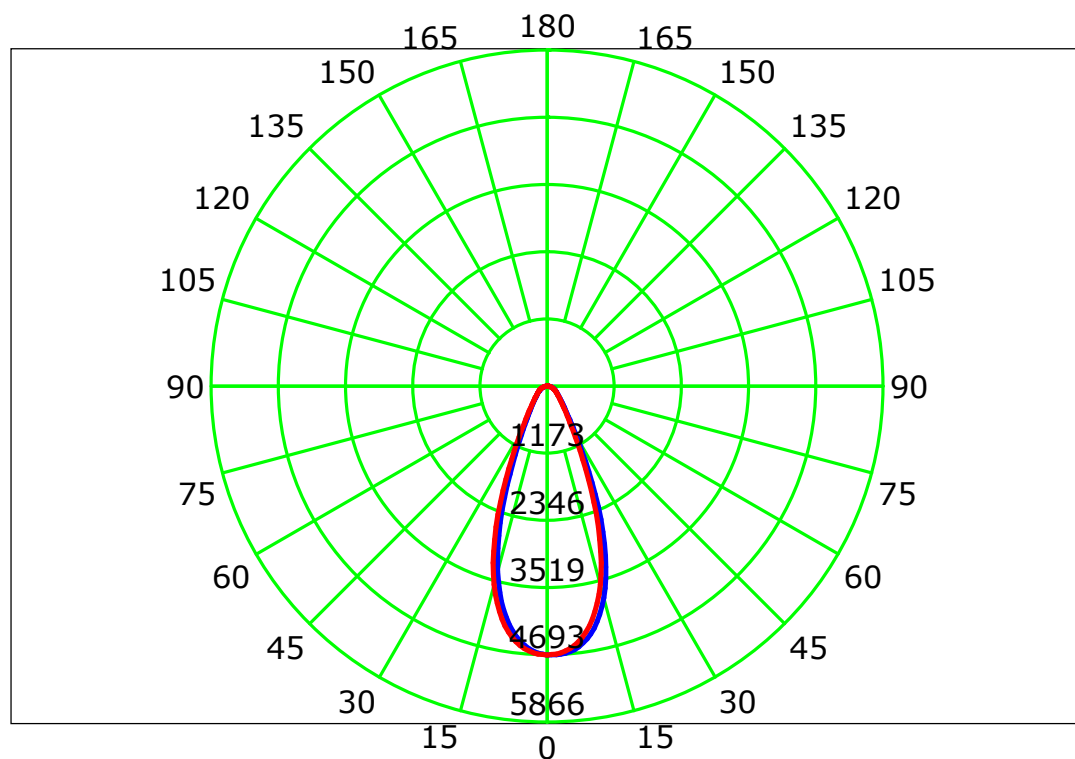
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

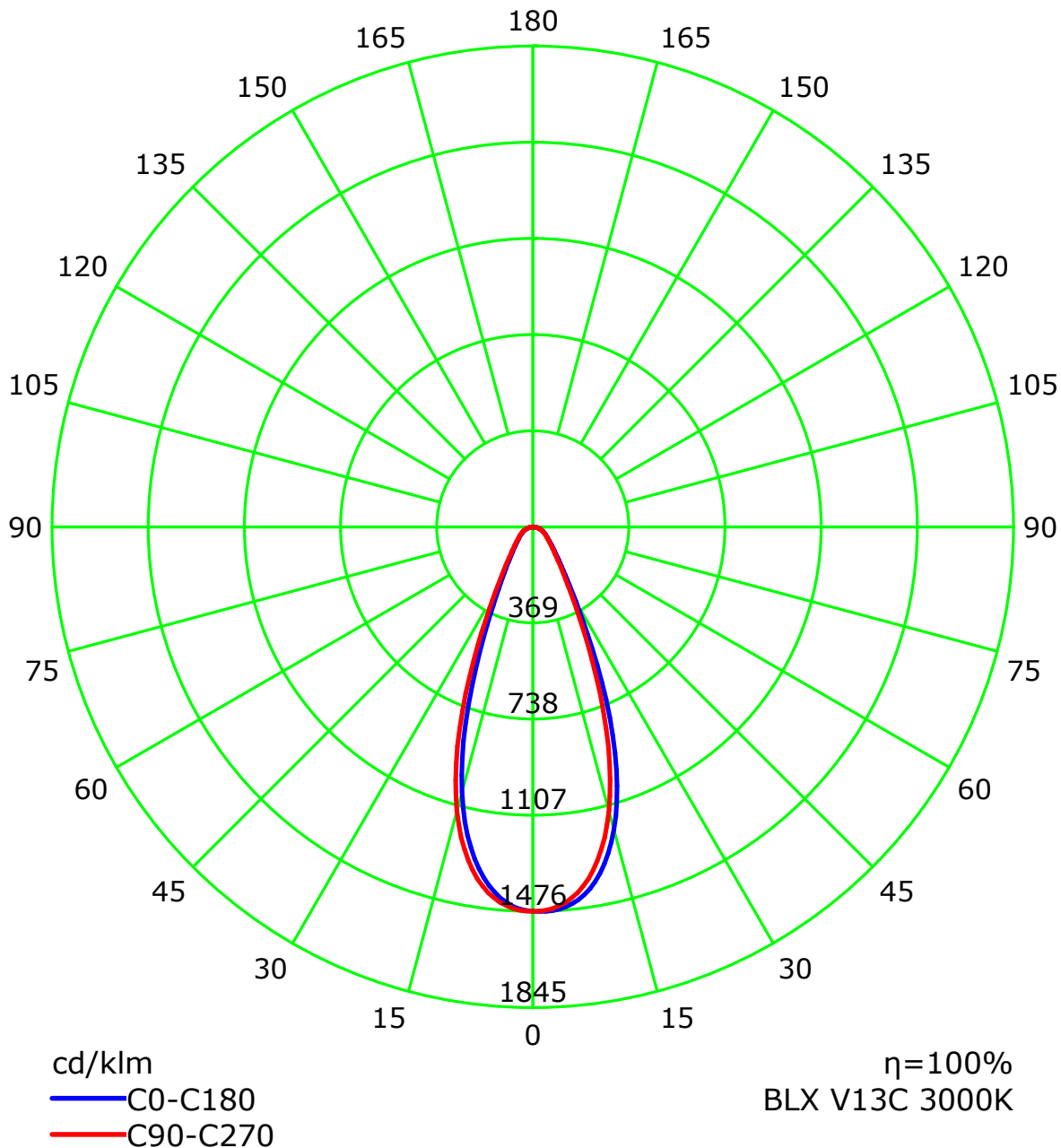
Luminous Intensity Distribution Curve



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:

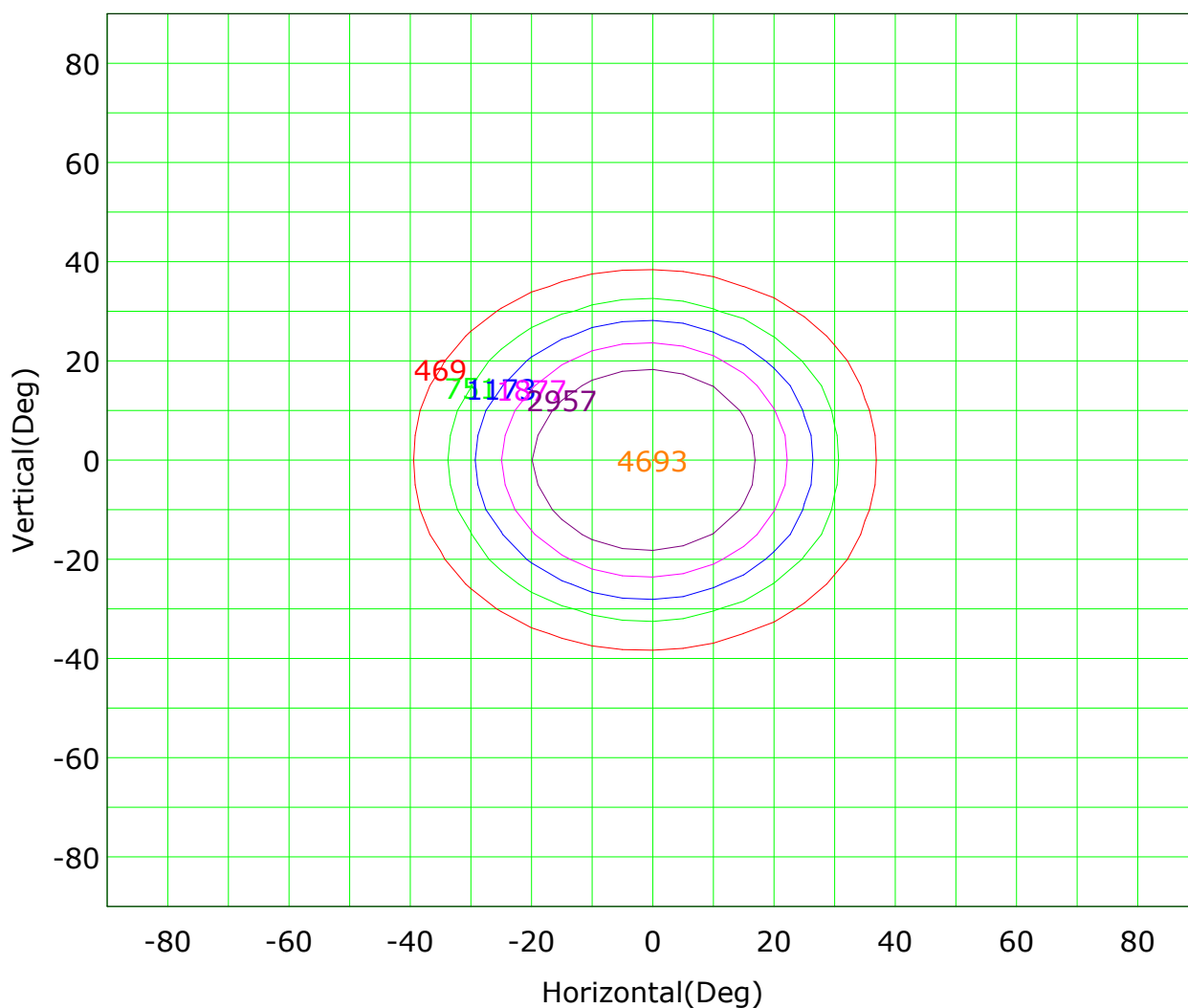
Luminous Intensity Distribution Curve(cd/klm)



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%): 4693 cd

(10%): 469 cd	(16%): 751 cd
(25%): 1173 cd	(40%): 1877 cd
(63%): 2957 cd	(100%): 4693 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

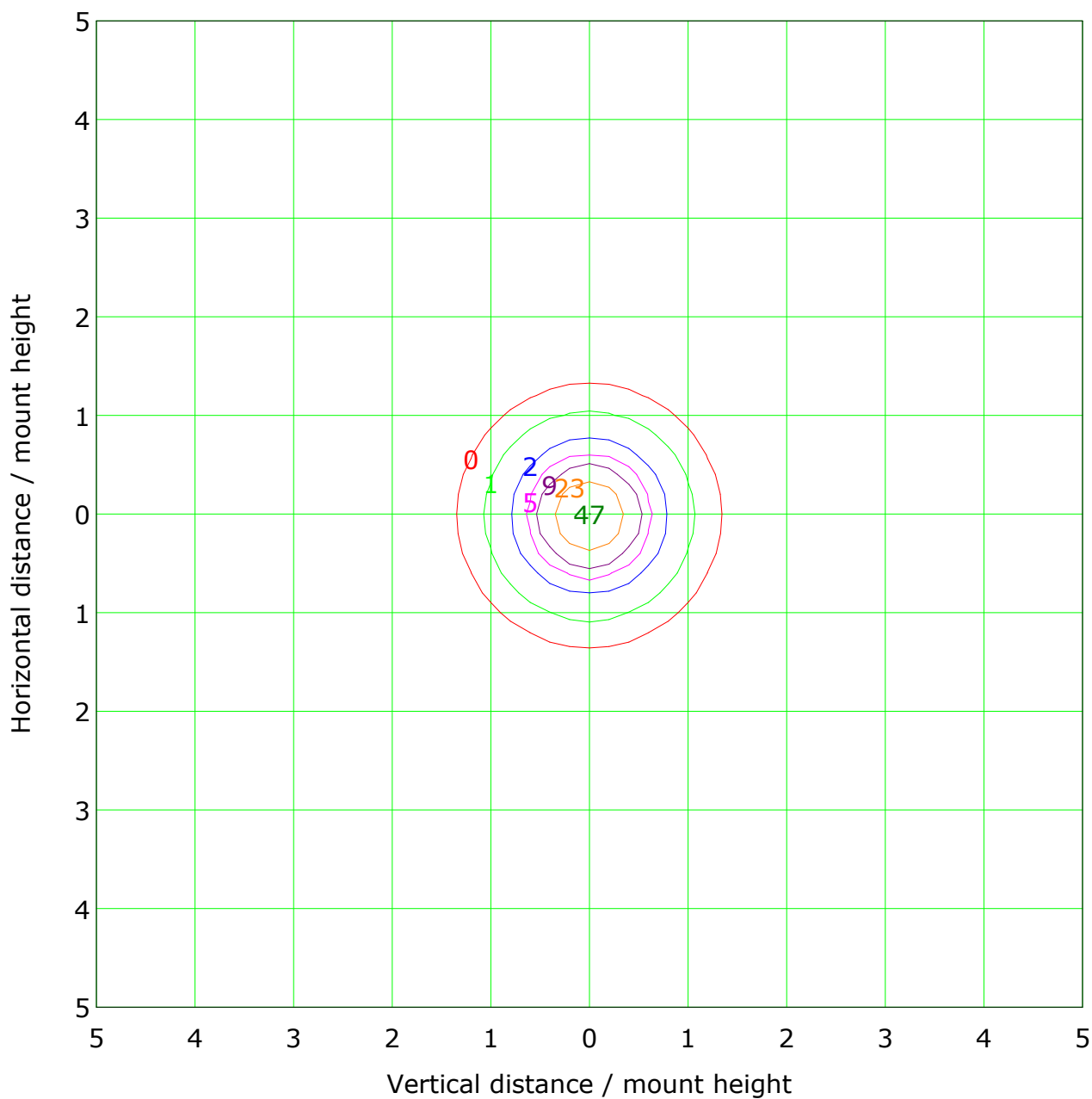
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



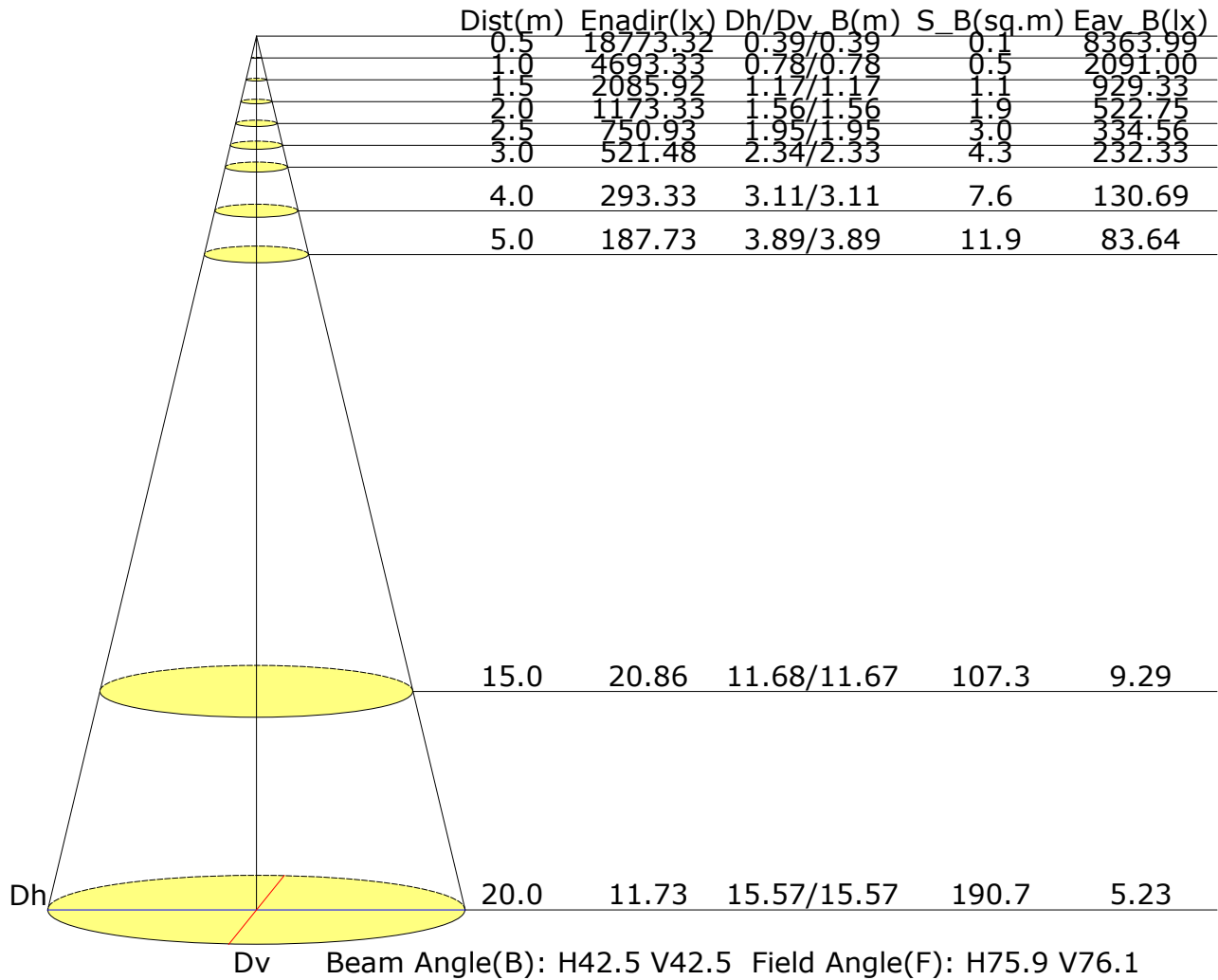
Mounting Height: 10.0m Max Lux(100%): 46.9 lx

(1%): 0.5 lx	(2%): 0.9 lx
(5%): 2.3 lx	(10%): 4.7 lx
(20%): 9.4 lx	(50%): 23.5 lx
(100%): 46.9 lx	

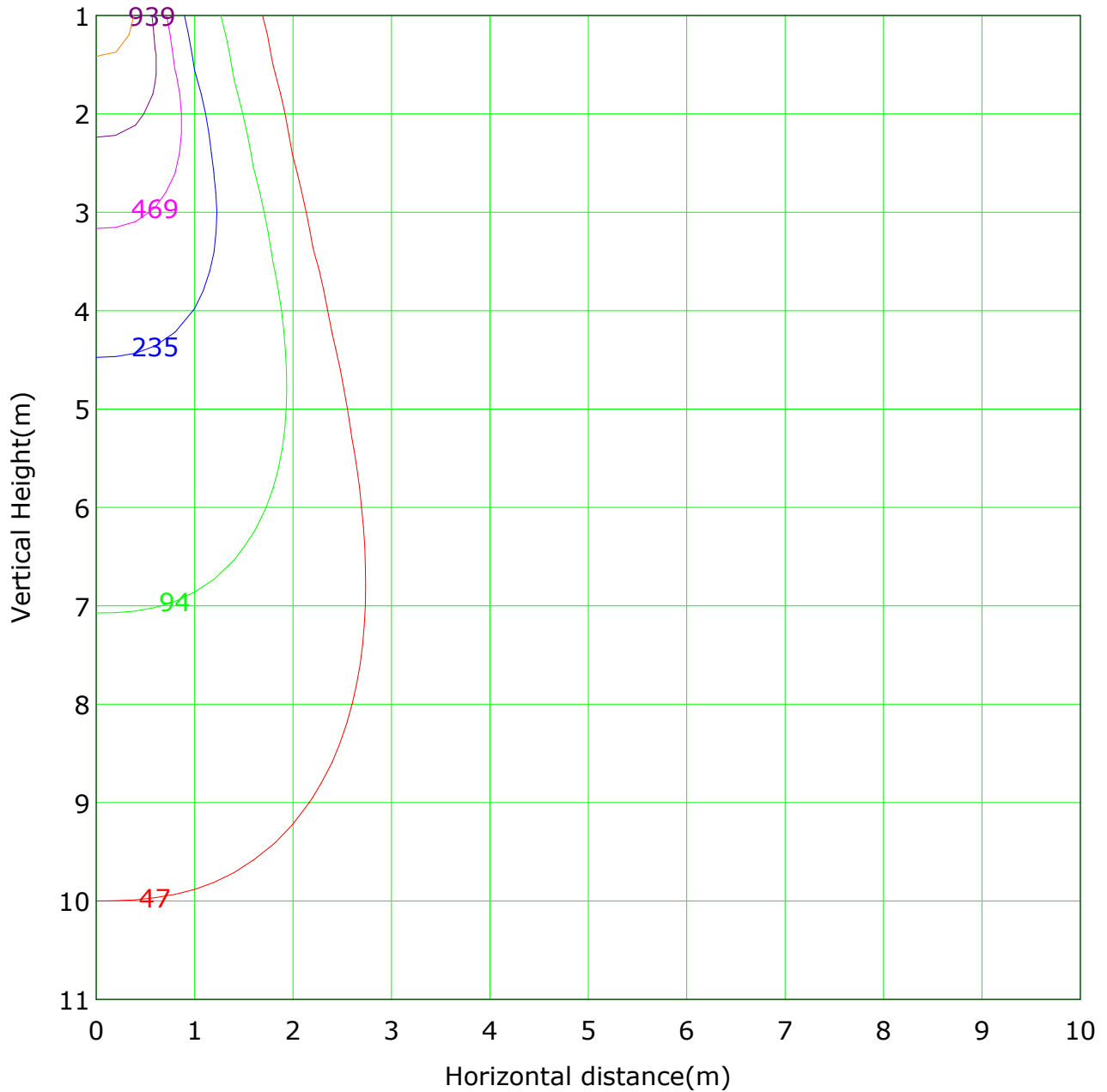
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



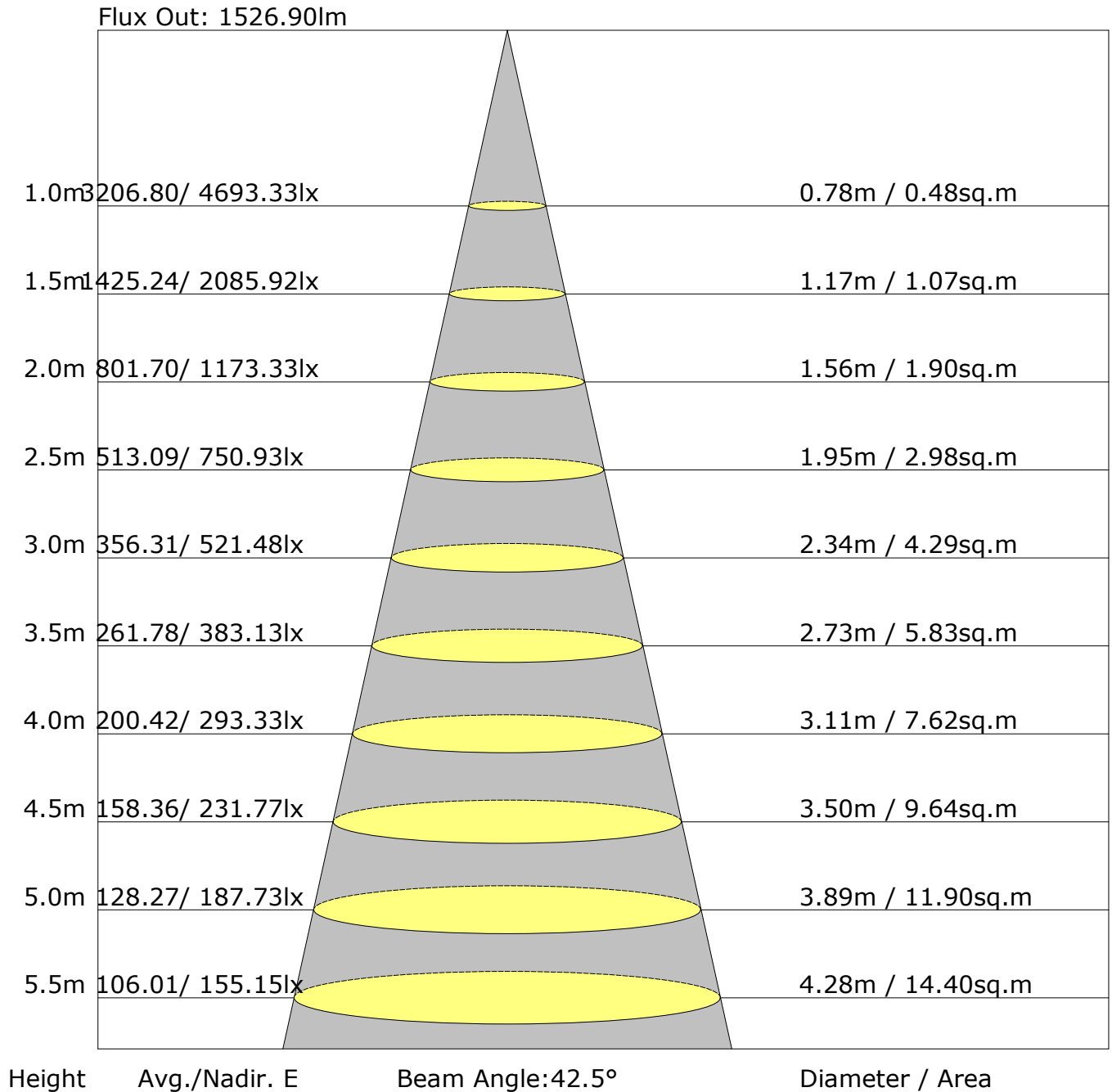
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4693.3 lx
— (1%): 46.9 lx — (2%): 93.9 lx
— (5%): 234.7 lx — (10%): 469.3 lx
— (20%): 938.7 lx — (50%): 2346.7 lx
— (100%): 4693.3 lx

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: 3.010 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	24.7	25.6	24.9	25.8	26.0	24.4	25.4	24.7	25.6	25.8
3H	26.0	26.9	26.3	27.1	27.4	25.7	26.6	26.0	26.8	27.1
4H	26.6	27.4	26.9	27.7	28.0	26.3	27.1	26.6	27.3	27.6
6H	27.0	27.8	27.4	28.1	28.4	26.6	27.4	26.9	27.6	27.9
8H	27.2	27.9	27.5	28.2	28.5	26.7	27.4	27.0	27.7	28.0
12H	27.3	27.9	27.6	28.3	28.6	26.7	27.4	27.1	27.7	28.1
X=4H Y=2H	25.2	26.0	25.5	26.3	26.5	25.0	25.8	25.3	26.1	26.3
3H	26.7	27.4	27.1	27.8	28.1	26.5	27.2	26.9	27.5	27.8
4H	27.5	28.1	27.9	28.4	28.8	27.2	27.8	27.6	28.1	28.5
6H	28.0	28.6	28.4	29.0	29.3	27.6	28.2	28.0	28.6	28.9
8H	28.2	28.7	28.6	29.1	29.5	27.8	28.3	28.2	28.6	29.1
12H	28.3	28.8	28.8	29.2	29.6	27.8	28.3	28.2	28.7	29.1
X=8H Y=4H	27.7	28.2	28.2	28.6	29.0	27.5	28.0	27.9	28.4	28.8
6H	28.4	28.8	28.9	29.2	29.7	28.0	28.4	28.5	28.9	29.3
8H	28.6	29.0	29.1	29.4	29.9	28.2	28.6	28.7	29.0	29.5
12H	28.8	29.1	29.3	29.6	30.1	28.3	28.6	28.8	29.1	29.6
X=12H Y=4H	27.7	28.2	28.2	28.6	29.0	27.5	27.9	27.9	28.3	28.8
6H	28.4	28.8	28.9	29.2	29.7	28.1	28.4	28.5	28.9	29.4
8H	28.7	29.0	29.2	29.5	30.0	28.3	28.6	28.8	29.1	29.6
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.3					+0.3/-0.3				
S=1.5H	+0.8/-0.6					+0.7/-0.7				
S=2.0H	+1.4/-1.0					+1.3/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 3179lm ($8\log(F/F_0) = 4.0$).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1660	52.2
	FL (0°-30°)	1121	35.3
	FM (30°-60°)	419	13.2
	FH (60°-80°)	110	3.5
	FVH (80°-90°)	10	0.3
	BACK LIGHT	1519	47.8
	BL (0°-30°)	1026	32.3
	BM (30°-60°)	385	12.1
	BH (60°-80°)	101	3.2
	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)	B3 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 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	4690.7	4.5	4.5	0.14	0.14
1.0-2.0	4684.3	13.4	17.9	0.42	0.56
2.0-3.0	4671.1	22.3	40.3	0.70	1.27
3.0-4.0	4648.1	31.1	71.4	0.98	2.25
4.0-5.0	4617.9	39.7	111.1	1.25	3.50
5.0-6.0	4576.9	48.1	159.2	1.51	5.01
6.0-7.0	4524.5	56.2	215.4	1.77	6.78
7.0-8.0	4461.5	63.9	279.3	2.01	8.78
8.0-9.0	4386.1	71.1	350.4	2.24	11.02
9.0-10.0	4299.1	77.8	428.2	2.45	13.47
10.0-11.0	4198.4	83.9	512.1	2.64	16.11
11.0-12.0	4084.6	89.3	601.4	2.81	18.92
12.0-13.0	3958.7	94.0	695.3	2.96	21.87
13.0-14.0	3819.6	97.8	793.1	3.08	24.95
14.0-15.0	3666.6	100.7	893.8	3.17	28.12
15.0-16.0	3501.1	102.6	996.4	3.23	31.34
16.0-17.0	3323.2	103.5	1099.9	3.26	34.60
17.0-18.0	3132.9	103.3	1203.2	3.25	37.85
18.0-19.0	2932.8	102.0	1305.2	3.21	41.06
19.0-20.0	2724.7	99.7	1405.0	3.14	44.20
20.0-21.0	2511.0	96.4	1501.4	3.03	47.23
21.0-22.0	2296.2	92.3	1593.7	2.90	50.13
22.0-23.0	2084.3	87.5	1681.2	2.75	52.88
23.0-24.0	1880.8	82.2	1763.4	2.59	55.47
24.0-25.0	1687.8	76.8	1840.2	2.41	57.89
25.0-26.0	1508.8	71.2	1911.4	2.24	60.13
26.0-27.0	1347.8	66.0	1977.4	2.07	62.20
27.0-28.0	1204.6	61.0	2038.3	1.92	64.12
28.0-29.0	1079.5	56.5	2094.8	1.78	65.90
29.0-30.0	970.9	52.4	2147.3	1.65	67.55
30.0-31.0	877.1	48.8	2196.1	1.54	69.08
31.0-32.0	796.0	45.6	2241.7	1.43	70.52
32.0-33.0	724.8	42.7	2284.4	1.34	71.86
33.0-34.0	664.1	40.2	2324.6	1.26	73.12
34.0-35.0	612.5	38.0	2362.6	1.20	74.32
35.0-36.0	565.4	36.0	2398.6	1.13	75.45

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	524.3	34.2	2432.8	1.08	76.53
37.0-38.0	488.1	32.6	2465.4	1.03	77.55
38.0-39.0	454.9	31.1	2496.5	0.98	78.53
39.0-40.0	425.5	29.7	2526.2	0.93	79.46
40.0-41.0	400.7	28.5	2554.7	0.90	80.36
41.0-42.0	378.0	27.5	2582.2	0.86	81.23
42.0-43.0	356.2	26.4	2608.6	0.83	82.06
43.0-44.0	337.0	25.4	2634.0	0.80	82.86
44.0-45.0	320.4	24.6	2658.6	0.77	83.63
45.0-46.0	304.5	23.8	2682.4	0.75	84.38
46.0-47.0	289.5	23.0	2705.5	0.72	85.11
47.0-48.0	275.9	22.3	2727.8	0.70	85.81
48.0-49.0	262.3	21.5	2749.3	0.68	86.48
49.0-50.0	251.0	20.9	2770.2	0.66	87.14
50.0-51.0	240.8	20.4	2790.6	0.64	87.78
51.0-52.0	230.7	19.8	2810.4	0.62	88.41
52.0-53.0	221.6	19.3	2829.7	0.61	89.01
53.0-54.0	213.0	18.8	2848.5	0.59	89.60
54.0-55.0	205.0	18.3	2866.8	0.58	90.18
55.0-56.0	197.9	17.9	2884.7	0.56	90.74
56.0-57.0	190.3	17.4	2902.1	0.55	91.29
57.0-58.0	182.4	16.9	2918.9	0.53	91.82
58.0-59.0	176.0	16.5	2935.4	0.52	92.34
59.0-60.0	170.0	16.1	2951.5	0.51	92.84
60.0-61.0	163.6	15.6	2967.1	0.49	93.33
61.0-62.0	157.5	15.2	2982.3	0.48	93.81
62.0-63.0	151.1	14.7	2997.0	0.46	94.27
63.0-64.0	144.7	14.2	3011.2	0.45	94.72
64.0-65.0	139.1	13.8	3024.9	0.43	95.15
65.0-66.0	133.8	13.4	3038.3	0.42	95.57
66.0-67.0	127.4	12.8	3051.1	0.40	95.98
67.0-68.0	121.0	12.3	3063.4	0.39	96.36
68.0-69.0	115.0	11.7	3075.1	0.37	96.73
69.0-70.0	108.2	11.1	3086.2	0.35	97.08
70.0-71.0	101.4	10.5	3096.7	0.33	97.41
71.0-72.0	94.6	9.8	3106.5	0.31	97.72

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	4693.3	4693.3								
G1.0	4693.3	4682.8								
G2.0	4693.3	4667.7								
G3.0	4685.8	4637.5								
G4.0	4673.7	4595.3								
G5.0	4654.1	4548.6								
G6.0	4624.0	4480.8								
G7.0	4583.3	4409.9								
G8.0	4530.5	4322.4								
G9.0	4468.7	4222.9								
G10.0	4393.3	4111.4								
G11.0	4305.9	3983.2								
G12.0	4203.3	3846.0								
G13.0	4090.3	3695.3								
G14.0	3963.6	3529.4								
G15.0	3824.9	3348.5								
G16.0	3672.6	3158.5								
G17.0	3505.3	2956.5								
G18.0	3324.4	2745.4								
G19.0	3137.4	2523.8								
G20.0	2933.9	2303.7								
G21.0	2725.8	2080.6								
G22.0	2510.2	1868.0								
G23.0	2288.6	1670.5								
G24.0	2071.5	1492.6								
G25.0	1858.9	1328.2								
G26.0	1659.9	1188.0								
G27.0	1479.0	1064.4								
G28.0	1317.7	957.4								
G29.0	1176.0	866.9								
G30.0	1053.8	787.0								
G31.0	948.3	719.2								
G32.0	856.3	660.3								
G33.0	774.9	607.6								
G34.0	710.1	563.9								
G35.0	651.3	524.7								
G36.0	598.5	487.0								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	554.8	456.8								
G38.0	514.1	426.7								
G39.0	479.4	399.5								
G40.0	446.3	376.9								
G41.0	420.6	358.8								
G42.0	395.0	337.7								
G43.0	370.9	321.1								
G44.0	349.8	306.0								
G45.0	334.7	291.0								
G46.0	316.6	275.9								
G47.0	300.0	265.4								
G48.0	285.0	253.3								
G49.0	269.9	241.2								
G50.0	257.8	235.2								
G51.0	245.8	224.6								
G52.0	236.7	215.6								
G53.0	227.7	206.6								
G54.0	217.1	200.5								
G55.0	209.6	193.0								
G56.0	203.5	185.4								
G57.0	194.5	177.9								
G58.0	188.5	168.9								
G59.0	180.9	165.8								
G60.0	176.4	156.8								
G61.0	168.9	152.3								
G62.0	164.3	144.7								
G63.0	155.3	140.2								
G64.0	150.8	132.7								
G65.0	143.2	129.7								
G66.0	138.7	123.6								
G67.0	131.2	116.1								
G68.0	125.1	111.6								
G69.0	119.1	104.0								
G70.0	113.1	96.5								
G71.0	107.0	88.9								
G72.0	101.0	81.4								
G73.0	95.0	75.4								

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

[illegible]

Inspector: