

Report No.:

Test Time: 2026-09-30 19:12

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 32.11911 60D

Luminous Length (mm): -82

Voltage: 230.9 V

Power: 27.10 W

Lamp Description: BLX V13C 3000K

Luminous Width (mm): -82

Current: 0.121 A

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 3404.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H54.7

Vertical Diffuse Angle(50%): V54.7

Luminaire Efficacy Rating (LER): 125.66

Max. Intensity: 3926.62 cd

S/MH(C0/C180): 0.82

Total Rated Lamp Lumens: 3404.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 3897.63 cd

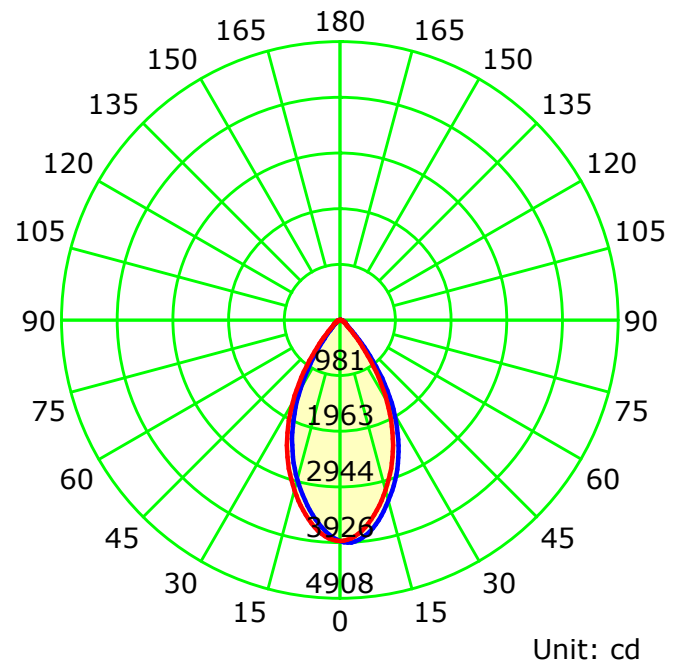
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.82

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

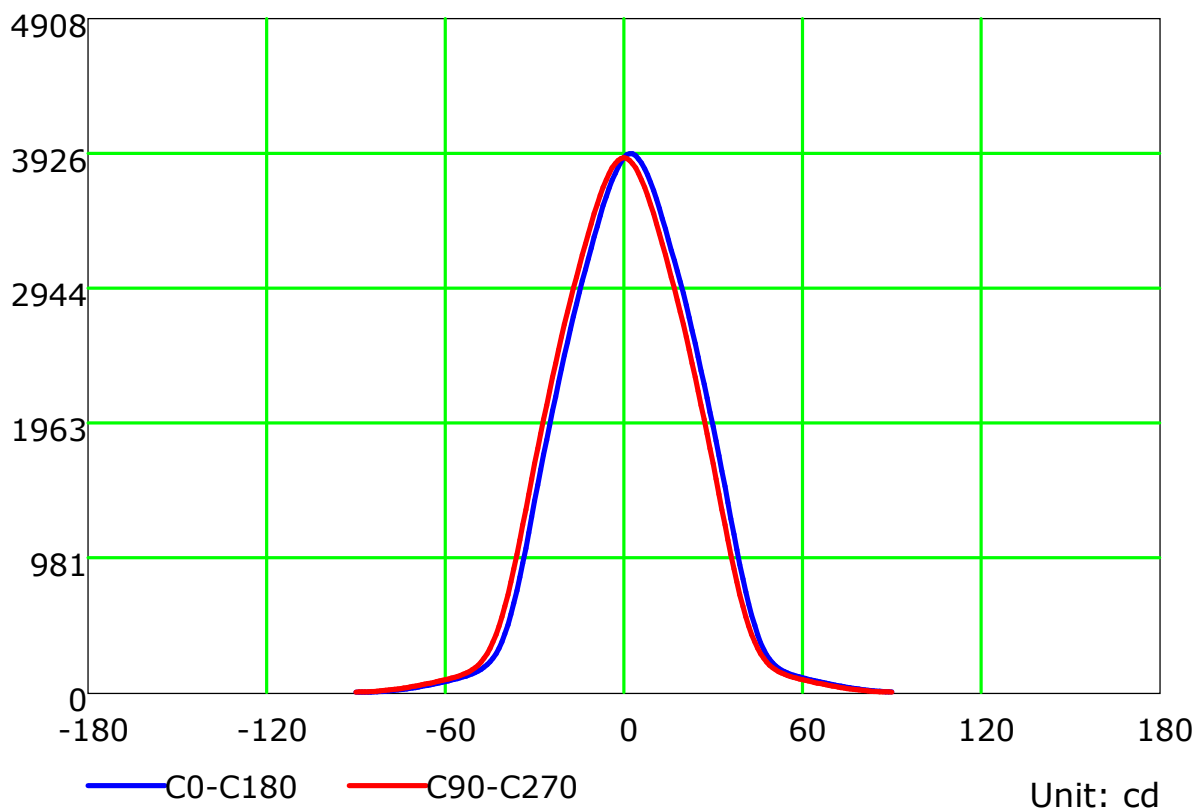
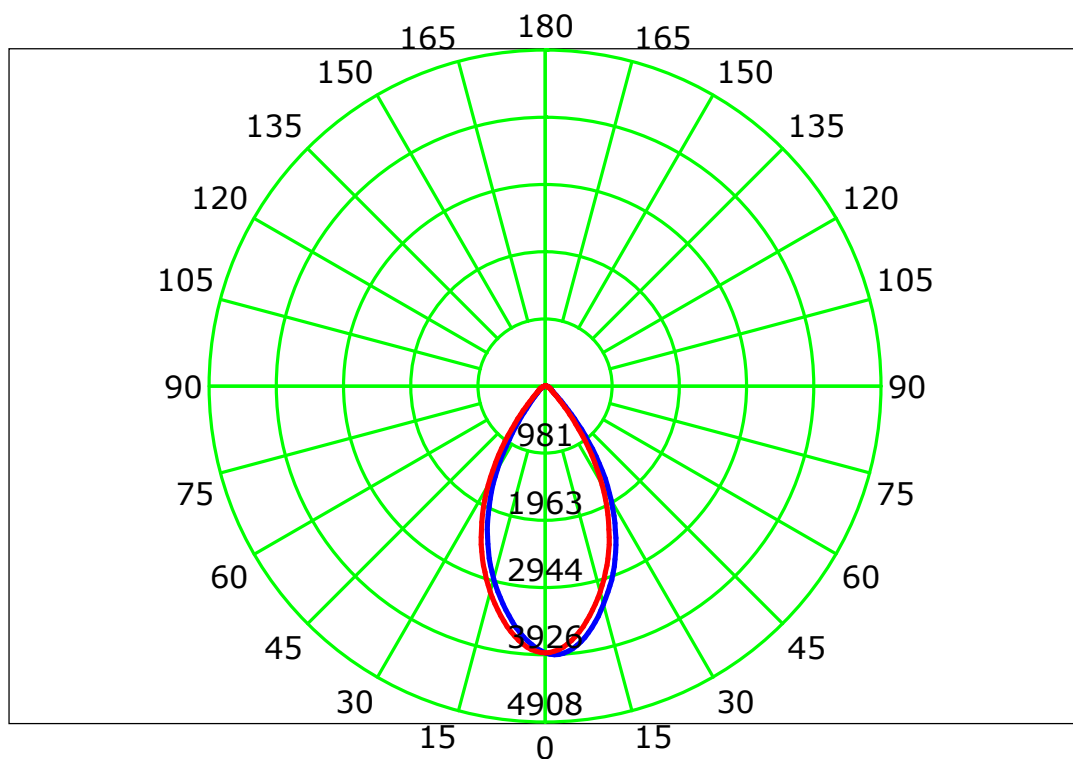
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

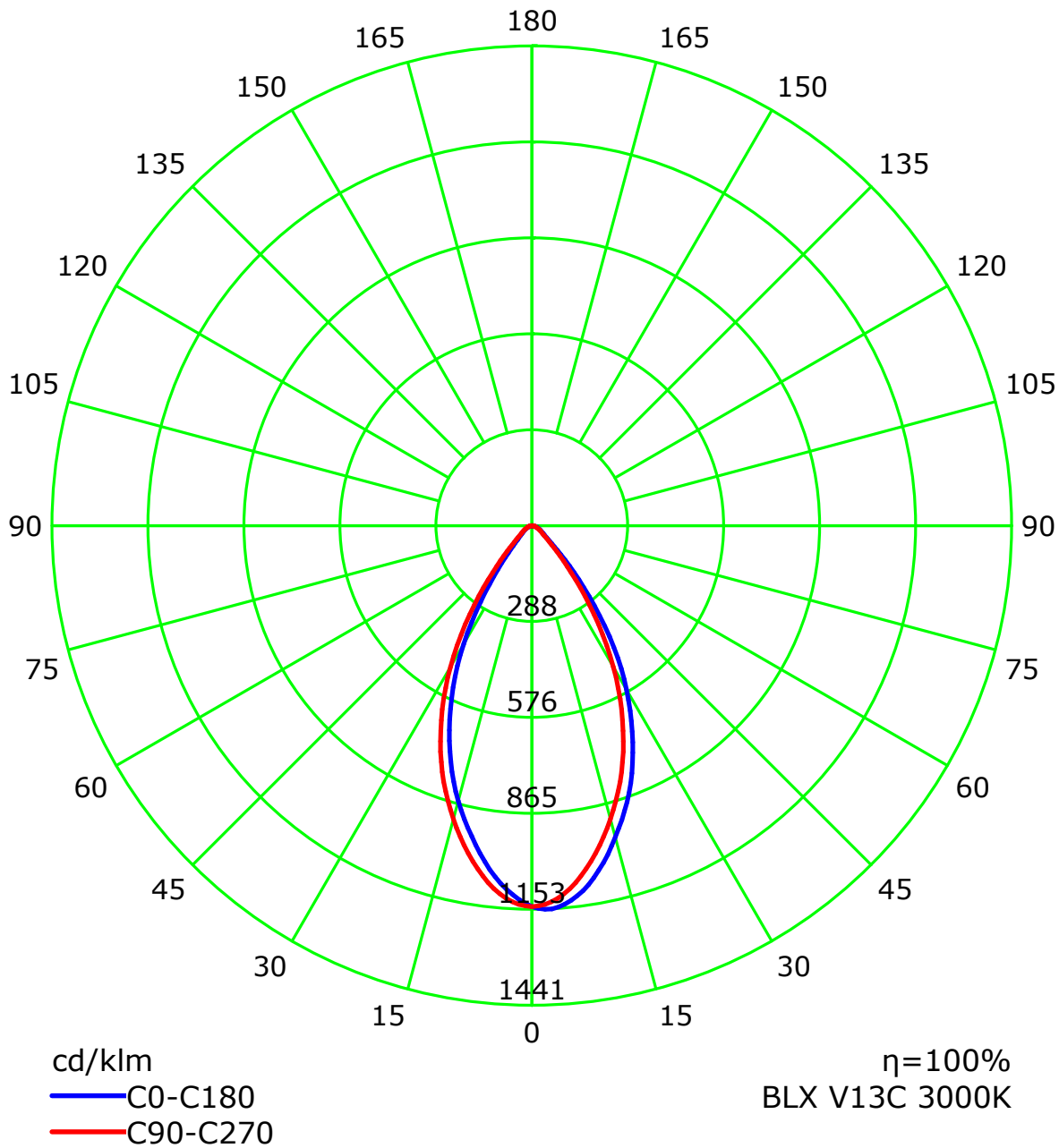
Luminous Intensity Distribution Curve



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:

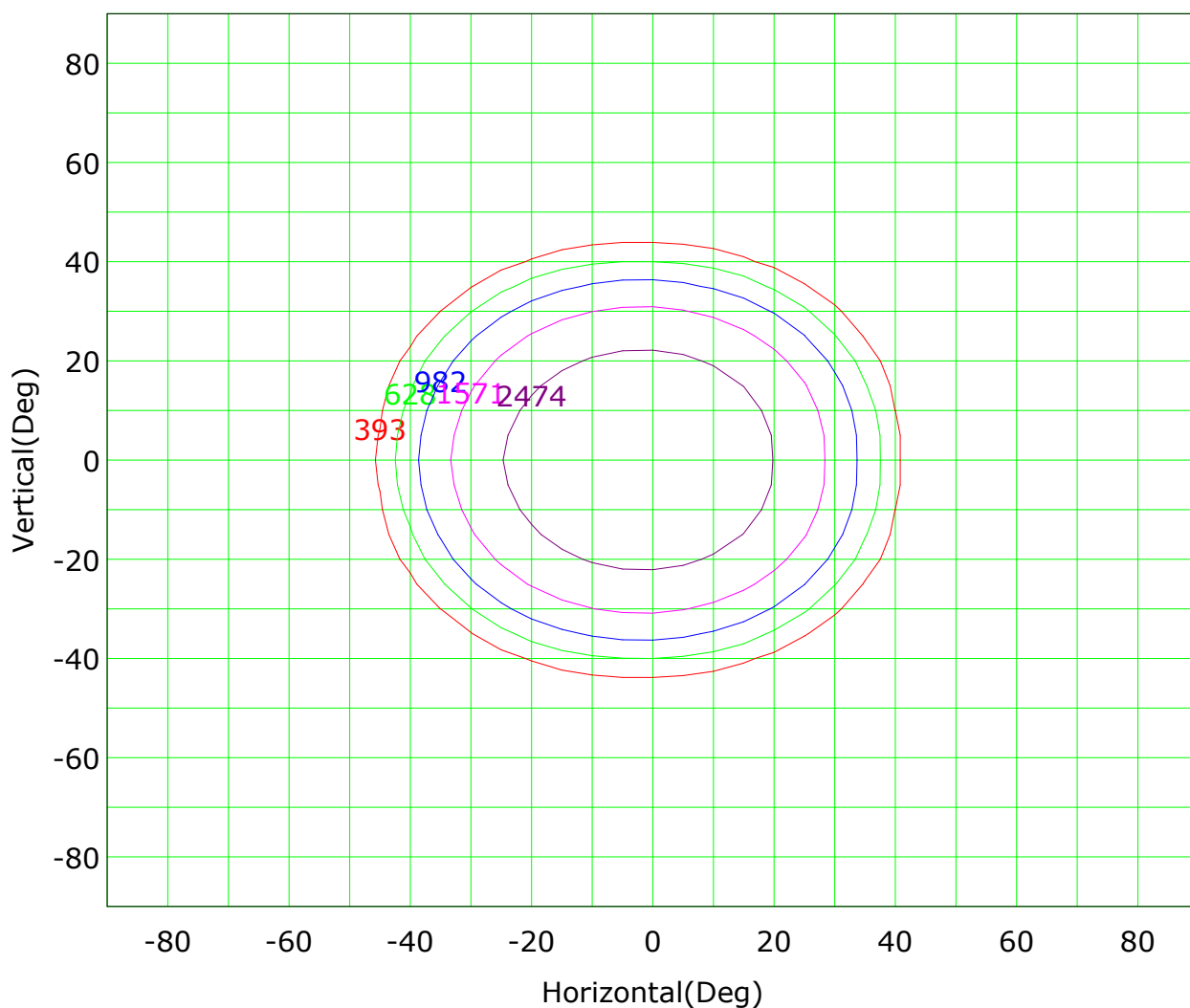
Luminous Intensity Distribution Curve(cd/klm)



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%): 3927 cd

(10%): 393 cd	(16%): 628 cd
(25%): 982 cd	(40%): 1571 cd
(63%): 2474 cd	(100%): 3927 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

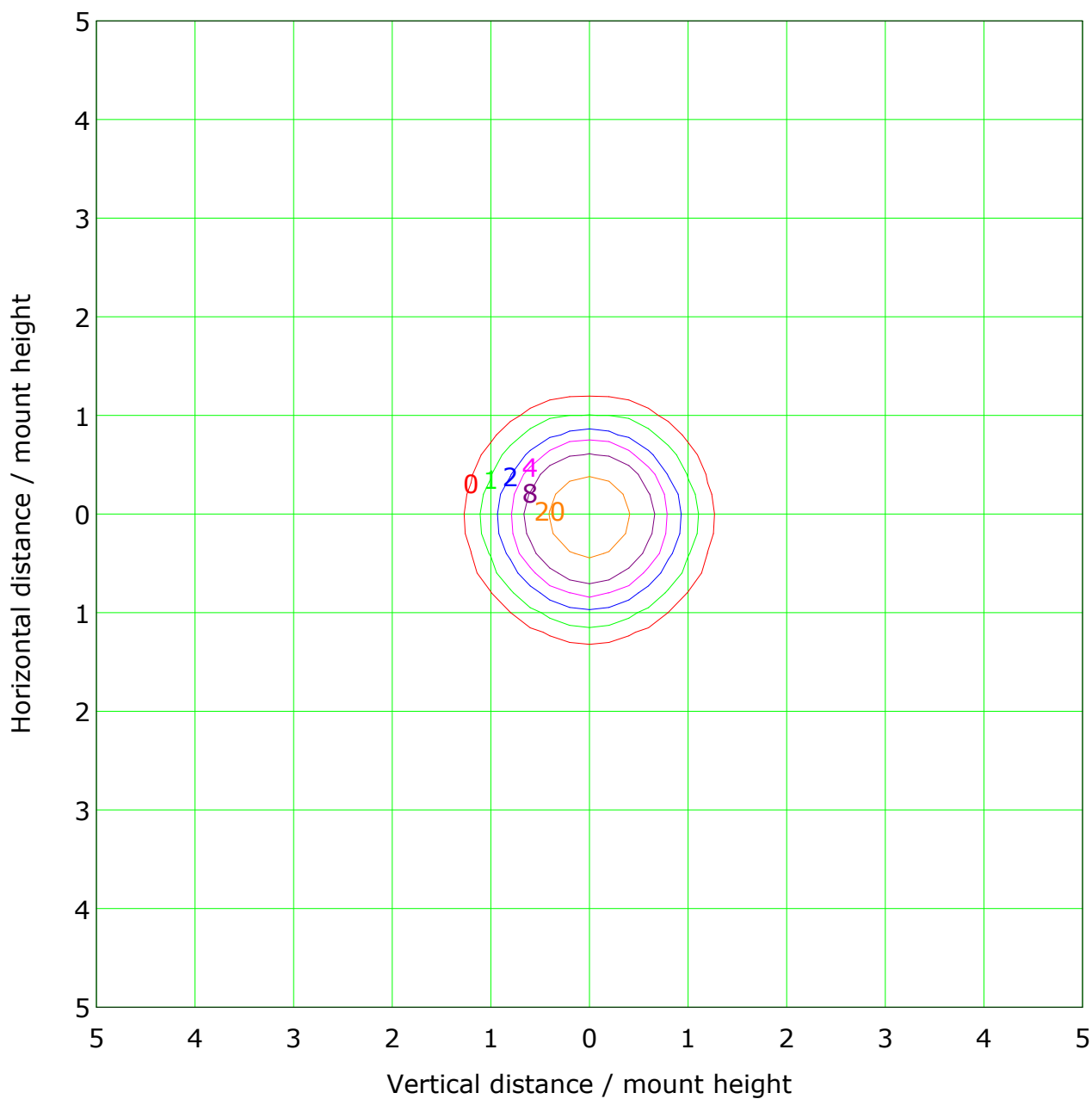
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



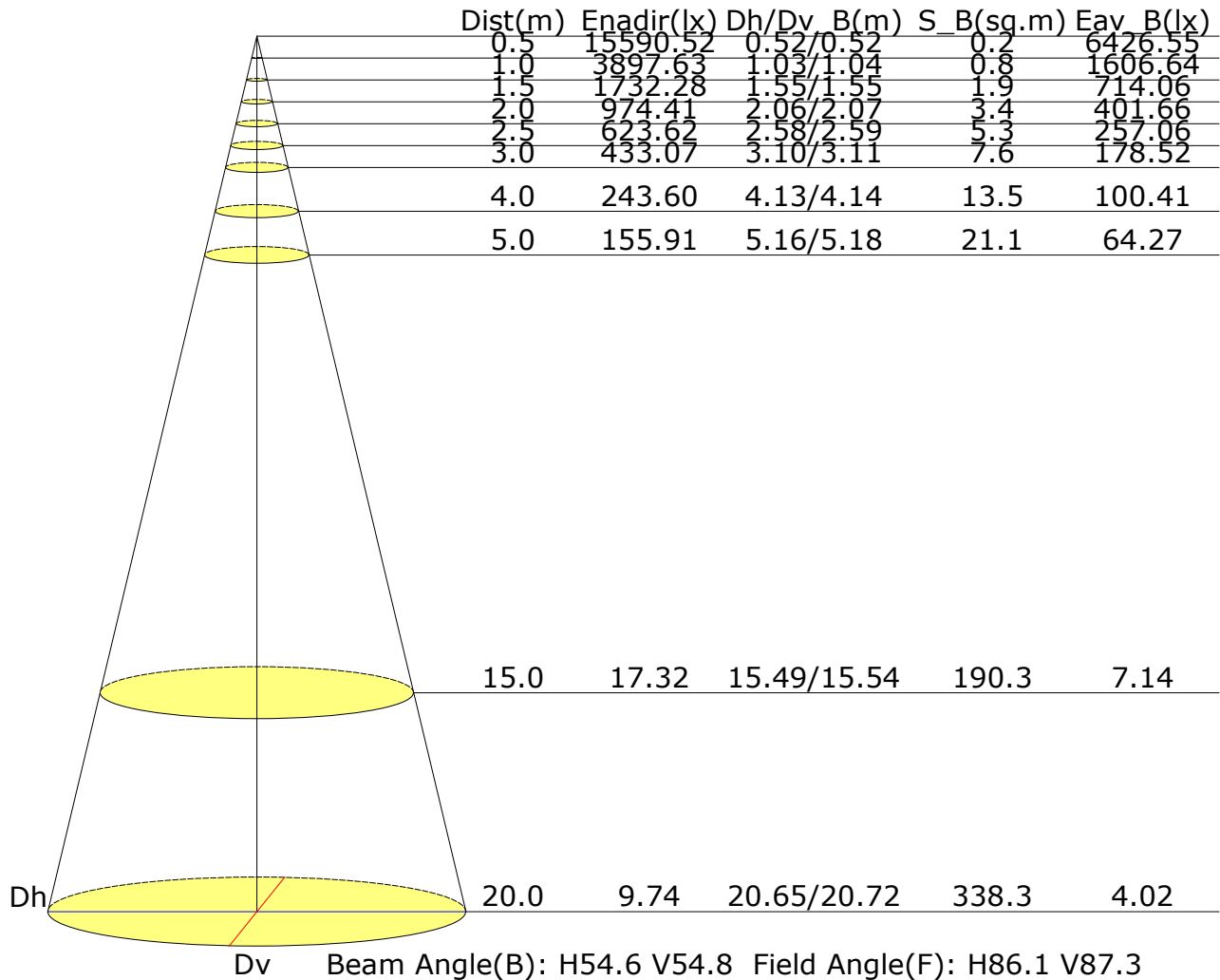
Mounting Height: 10.0m Max Lux(100%): 39.2 lx

(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	

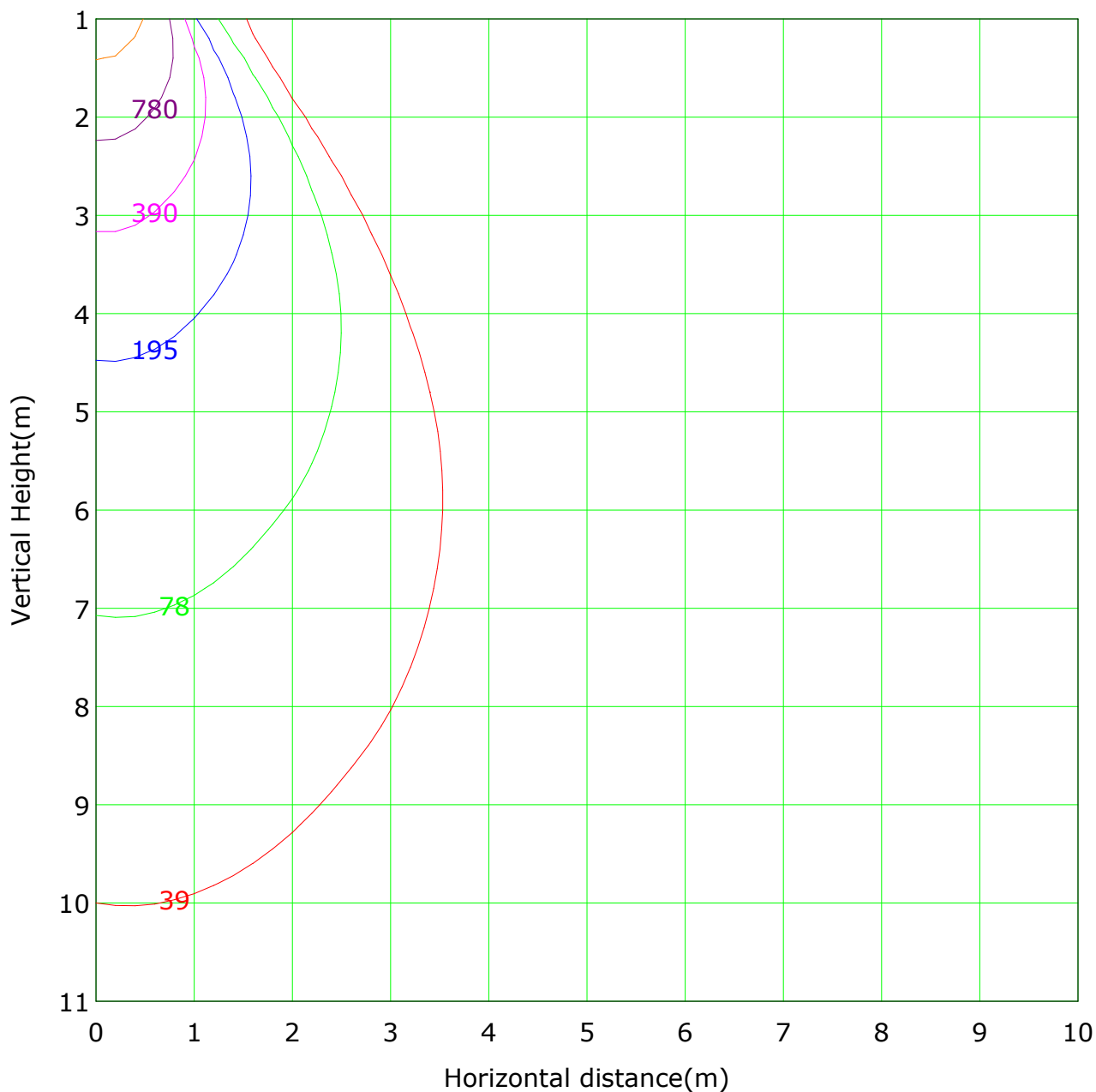
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3897.6 lx

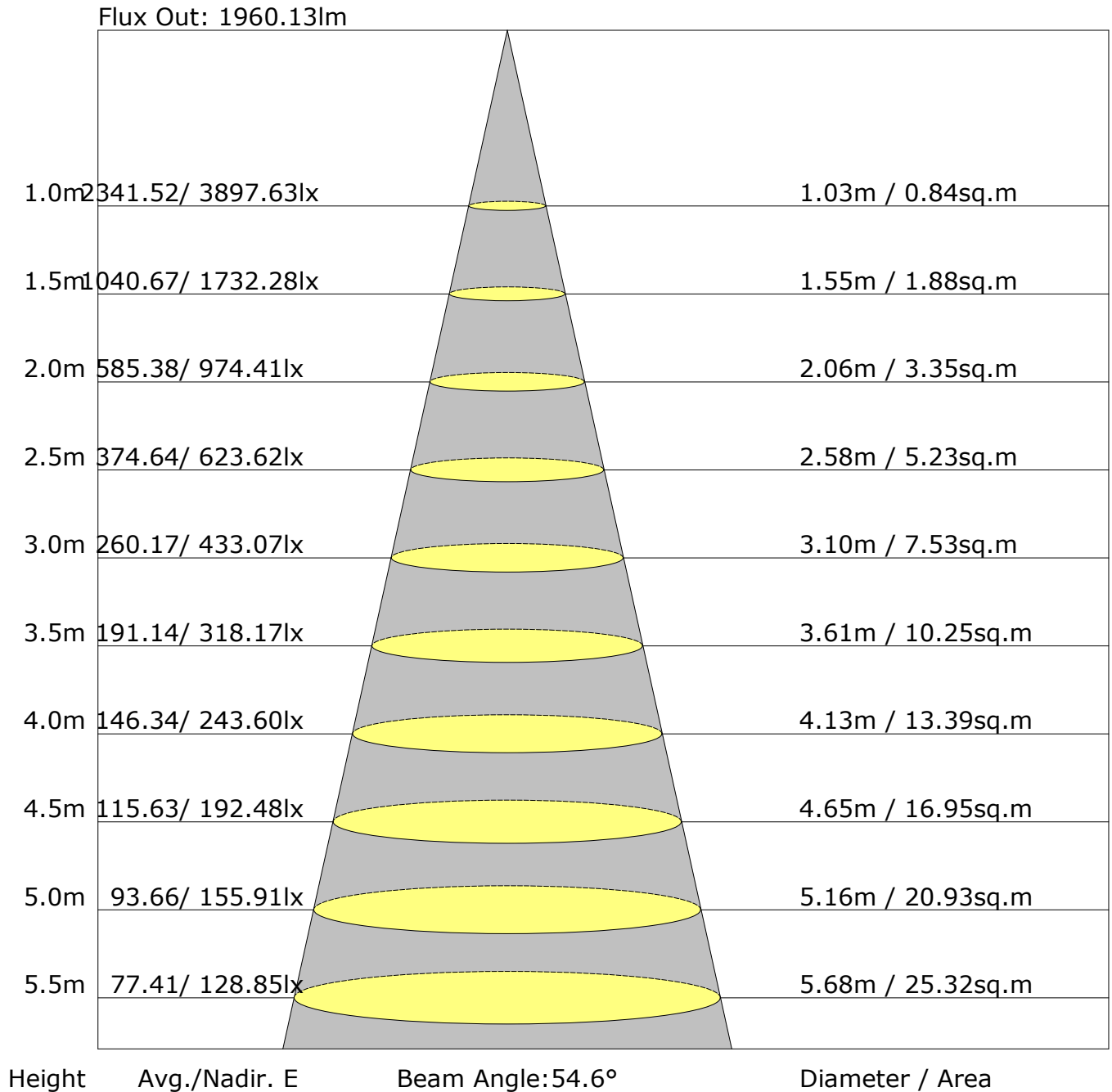
(1%): 39.0 lx	(2%): 78.0 lx
(5%): 194.9 lx	(10%): 389.8 lx
(20%): 779.5 lx	(50%): 1948.8 lx
(100%): 3897.6 lx	

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:

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

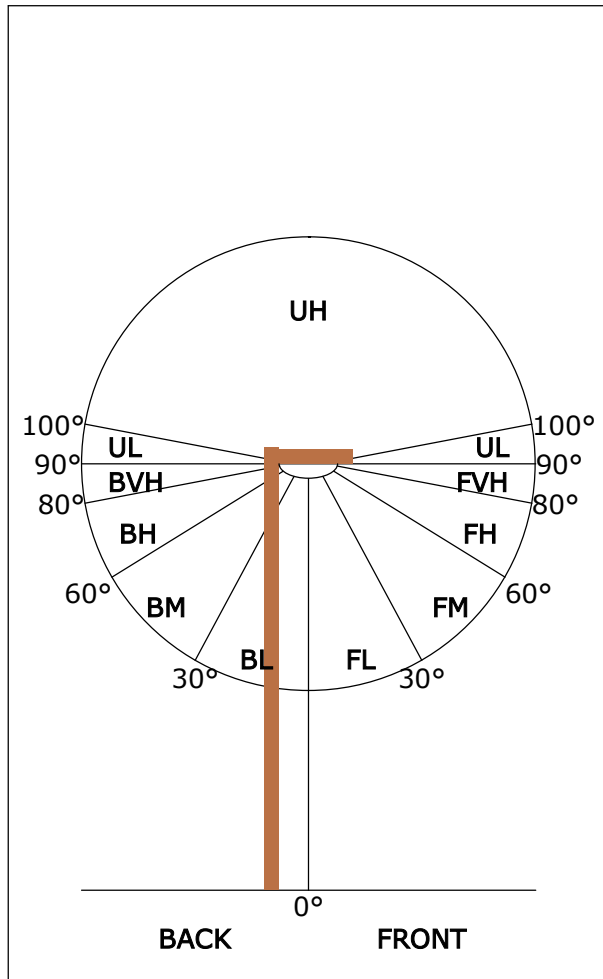
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	25.2	26.1	25.5	26.3	26.5	24.4	25.3	24.7	25.5	25.7
3H	25.4	26.3	25.7	26.5	26.8	24.6	25.5	24.9	25.7	26.0
4H	25.6	26.3	25.9	26.6	26.9	24.7	25.5	25.0	25.8	26.0
6H	25.6	26.4	26.0	26.7	26.9	24.7	25.5	25.1	25.8	26.1
8H	25.7	26.4	26.0	26.7	27.0	24.7	25.5	25.1	25.8	26.1
12H	25.7	26.3	26.0	26.6	27.0	24.7	25.4	25.1	25.7	26.1
X=4H Y=2H	25.2	26.0	25.5	26.2	26.5	24.4	25.2	24.7	25.5	25.8
3H	25.5	26.2	25.9	26.5	26.9	24.8	25.5	25.1	25.8	26.1
4H	25.7	26.3	26.1	26.7	27.0	24.9	25.5	25.3	25.9	26.2
6H	25.9	26.4	26.3	26.8	27.2	25.0	25.6	25.5	25.9	26.3
8H	25.9	26.4	26.4	26.8	27.2	25.1	25.6	25.5	25.9	26.4
12H	26.0	26.4	26.4	26.8	27.3	25.1	25.5	25.5	25.9	26.4
X=8H Y=4H	25.7	26.2	26.2	26.6	27.0	25.0	25.5	25.4	25.8	26.3
6H	25.9	26.3	26.4	26.8	27.2	25.1	25.5	25.6	26.0	26.4
8H	26.0	26.4	26.5	26.8	27.3	25.2	25.5	25.7	26.0	26.5
12H	26.1	26.4	26.6	26.9	27.4	25.3	25.5	25.7	26.0	26.5
X=12H Y=4H	25.7	26.1	26.1	26.5	27.0	25.0	25.4	25.4	25.8	26.2
6H	25.9	26.3	26.4	26.7	27.2	25.1	25.5	25.6	25.9	26.4
8H	26.0	26.3	26.5	26.8	27.3	25.2	25.5	25.7	26.0	26.5
Variations with the observer position at spacings:										
S=1.0H	+2.6/-2.4					+2.5/-2.4				
S=1.5H	+4.8/-3.0					+4.6/-3.0				
S=2.0H	+6.6/-3.5					+6.4/-3.6				

Calculate in accordance with CIE Pub.117. The table is revised with 3404lm ($8\log(F/F_0) = 4.3$).

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	1819	53.4
FL (0°-30°)	1155	33.9
FM (30°-60°)	602	17.7
FH (60°-80°)	57	1.7
FVH (80°-90°)	6	0.2
BACK LIGHT	1585	46.6
BL (0°-30°)	1063	31.2
BM (30°-60°)	473	13.9
BH (60°-80°)	46	1.3
BVH (80°-90°)	4	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)	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	3894.6	3.7	3.7	0.11	0.11
1.0-2.0	3884.5	11.2	14.9	0.33	0.44
2.0-3.0	3865.9	18.5	33.4	0.54	0.98
3.0-4.0	3838.4	25.7	59.1	0.75	1.74
4.0-5.0	3801.6	32.7	91.8	0.96	2.70
5.0-6.0	3757.9	39.5	131.3	1.16	3.86
6.0-7.0	3708.1	46.0	177.3	1.35	5.21
7.0-8.0	3651.2	52.3	229.6	1.54	6.74
8.0-9.0	3589.0	58.2	287.7	1.71	8.45
9.0-10.0	3522.7	63.8	351.5	1.87	10.33
10.0-11.0	3452.2	69.0	420.5	2.03	12.35
11.0-12.0	3379.4	73.9	494.4	2.17	14.52
12.0-13.0	3304.9	78.4	572.8	2.30	16.83
13.0-14.0	3227.5	82.6	655.4	2.43	19.25
14.0-15.0	3147.8	86.4	741.9	2.54	21.79
15.0-16.0	3066.5	89.9	831.7	2.64	24.43
16.0-17.0	2984.4	93.0	924.7	2.73	27.16
17.0-18.0	2900.8	95.7	1020.3	2.81	29.97
18.0-19.0	2815.6	98.0	1118.3	2.88	32.85
19.0-20.0	2727.9	99.9	1218.2	2.93	35.79
20.0-21.0	2636.9	101.3	1319.4	2.97	38.76
21.0-22.0	2543.3	102.2	1421.7	3.00	41.76
22.0-23.0	2446.5	102.7	1524.3	3.02	44.78
23.0-24.0	2347.2	102.6	1627.0	3.02	47.79
24.0-25.0	2246.5	102.2	1729.1	3.00	50.80
25.0-26.0	2144.3	101.2	1830.3	2.97	53.77
26.0-27.0	2041.1	99.9	1930.2	2.93	56.70
27.0-28.0	1937.1	98.1	2028.3	2.88	59.58
28.0-29.0	1831.1	95.8	2124.1	2.81	62.40
29.0-30.0	1722.9	93.0	2217.2	2.73	65.13
30.0-31.0	1612.7	89.8	2306.9	2.64	67.77
31.0-32.0	1501.2	86.0	2392.9	2.53	70.30
32.0-33.0	1389.5	81.9	2474.8	2.41	72.70
33.0-34.0	1278.1	77.4	2552.2	2.27	74.97
34.0-35.0	1167.4	72.5	2624.7	2.13	77.10
35.0-36.0	1058.6	67.4	2692.1	1.98	79.08

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	953.7	62.2	2754.3	1.83	80.91
37.0-38.0	853.5	57.0	2811.3	1.67	82.59
38.0-39.0	758.8	51.8	2863.1	1.52	84.11
39.0-40.0	670.5	46.8	2909.8	1.37	85.48
40.0-41.0	590.0	42.0	2951.9	1.23	86.72
41.0-42.0	517.7	37.6	2989.5	1.11	87.82
42.0-43.0	453.6	33.6	3023.1	0.99	88.81
43.0-44.0	397.1	30.0	3053.1	0.88	89.69
44.0-45.0	346.9	26.7	3079.7	0.78	90.47
45.0-46.0	303.2	23.7	3103.4	0.70	91.17
46.0-47.0	266.3	21.2	3124.6	0.62	91.79
47.0-48.0	236.0	19.1	3143.7	0.56	92.35
48.0-49.0	211.1	17.3	3161.0	0.51	92.86
49.0-50.0	190.5	15.9	3176.9	0.47	93.33
50.0-51.0	173.3	14.7	3191.6	0.43	93.76
51.0-52.0	159.3	13.7	3205.3	0.40	94.16
52.0-53.0	147.6	12.8	3218.1	0.38	94.54
53.0-54.0	137.8	12.1	3230.3	0.36	94.89
54.0-55.0	129.3	11.5	3241.8	0.34	95.23
55.0-56.0	121.8	11.0	3252.8	0.32	95.56
56.0-57.0	115.0	10.5	3263.3	0.31	95.87
57.0-58.0	108.6	10.0	3273.4	0.30	96.16
58.0-59.0	102.8	9.6	3283.0	0.28	96.44
59.0-60.0	97.3	9.2	3292.2	0.27	96.71
60.0-61.0	92.0	8.8	3301.0	0.26	96.97
61.0-62.0	86.9	8.4	3309.3	0.25	97.22
62.0-63.0	81.9	8.0	3317.3	0.23	97.45
63.0-64.0	77.0	7.6	3324.9	0.22	97.67
64.0-65.0	72.2	7.1	3332.0	0.21	97.88
65.0-66.0	67.6	6.7	3338.8	0.20	98.08
66.0-67.0	63.2	6.4	3345.1	0.19	98.27
67.0-68.0	58.8	6.0	3351.1	0.17	98.44
68.0-69.0	54.5	5.6	3356.6	0.16	98.61
69.0-70.0	50.3	5.2	3361.8	0.15	98.76
70.0-71.0	46.4	4.8	3366.6	0.14	98.90
71.0-72.0	42.5	4.4	3371.0	0.13	99.03

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	3897.6	3897.6								
G1.0	3917.8	3865.4								
G2.0	3926.6	3828.4								
G3.0	3926.6	3782.0								
G4.0	3912.5	3732.5								
G5.0	3886.7	3674.8								
G6.0	3856.8	3613.4								
G7.0	3815.7	3546.6								
G8.0	3770.5	3472.0								
G9.0	3717.6	3395.9								
G10.0	3658.5	3318.7								
G11.0	3593.3	3238.2								
G12.0	3525.6	3160.4								
G13.0	3453.1	3080.4								
G14.0	3376.5	2999.9								
G15.0	3299.0	2915.7								
G16.0	3221.6	2829.8								
G17.0	3147.2	2739.1								
G18.0	3069.0	2647.9								
G19.0	2993.0	2552.4								
G20.0	2909.6	2456.4								
G21.0	2822.9	2358.9								
G22.0	2731.9	2259.6								
G23.0	2638.3	2156.0								
G24.0	2542.5	2052.1								
G25.0	2444.9	1946.7								
G26.0	2345.5	1840.1								
G27.0	2246.1	1732.6								
G28.0	2145.5	1624.4								
G29.0	2042.3	1512.2								
G30.0	1938.8	1398.3								
G31.0	1832.8	1281.1								
G32.0	1725.9	1164.9								
G33.0	1615.5	1051.6								
G34.0	1502.4	942.9								
G35.0	1384.6	839.6								
G36.0	1267.8	742.6								

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	1152.6	651.9								
G38.0	1040.0	569.5								
G39.0	931.5	494.1								
G40.0	829.2	427.3								
G41.0	733.3	370.2								
G42.0	644.8	322.5								
G43.0	564.1	283.2								
G44.0	489.9	251.2								
G45.0	421.9	224.8								
G46.0	363.0	203.1								
G47.0	314.2	185.0								
G48.0	274.8	170.0								
G49.0	242.8	156.9								
G50.0	216.1	146.1								
G51.0	194.6	136.6								
G52.0	177.3	128.5								
G53.0	163.5	121.0								
G54.0	152.4	114.3								
G55.0	142.6	108.1								
G56.0	134.4	102.1								
G57.0	127.0	96.4								
G58.0	120.1	91.0								
G59.0	114.3	85.9								
G60.0	108.4	80.6								
G61.0	103.2	76.0								
G62.0	97.6	71.0								
G63.0	92.5	66.5								
G64.0	87.4	61.7								
G65.0	82.4	57.3								
G66.0	77.8	53.0								
G67.0	72.8	49.1								
G68.0	68.2	45.0								
G69.0	63.7	41.0								
G70.0	59.3	37.2								
G71.0	55.0	33.9								
G72.0	50.6	30.5								
G73.0	46.8	27.3								

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:

Unit: cd

[illegible]

Inspector: