Report No.: Test Time: 2026-09-16 18:23

Luminaire Property

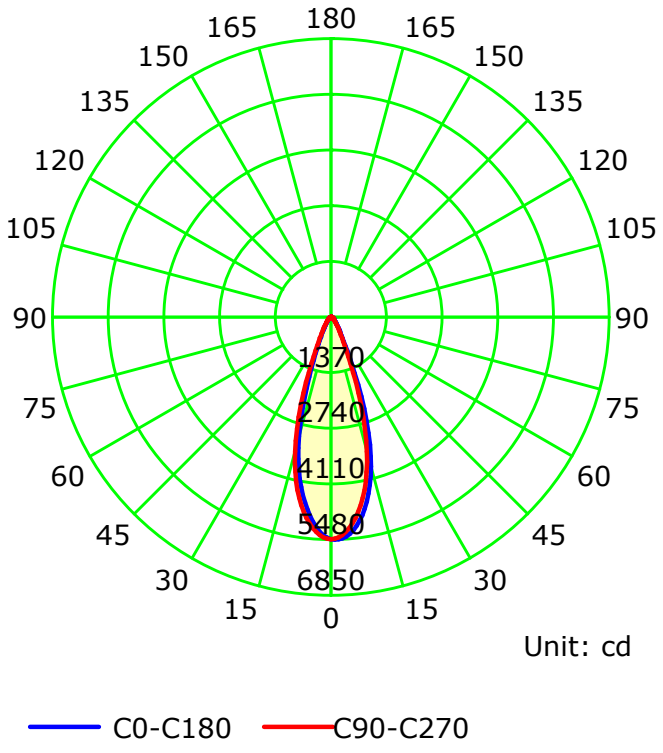
Luminaire Manufacturer:
Luminaire Description: ADJ 101 36D
Luminous Length (mm): -95
Luminous Width (mm): -95
Voltage: 227.3 V
Current: 0.094 A
Power: 20.10 W
Power Factor: 0.939

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 2206.3 lm
Measurement Flux: 2206.3 lm
Efficiency: 100%
Downward Ratio: 100%
Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H35
Vertical Diffuse Angle(50%): V35
Luminaire Efficacy Rating (LER): 109.81
Central Intensity: 5465.25 cd
Max. Intensity: 5480.32 cd
Pos of Max. Intensity: H0 V1
S/MH(C0/C180): 0.58
S/MH(C90/C270): 0.58

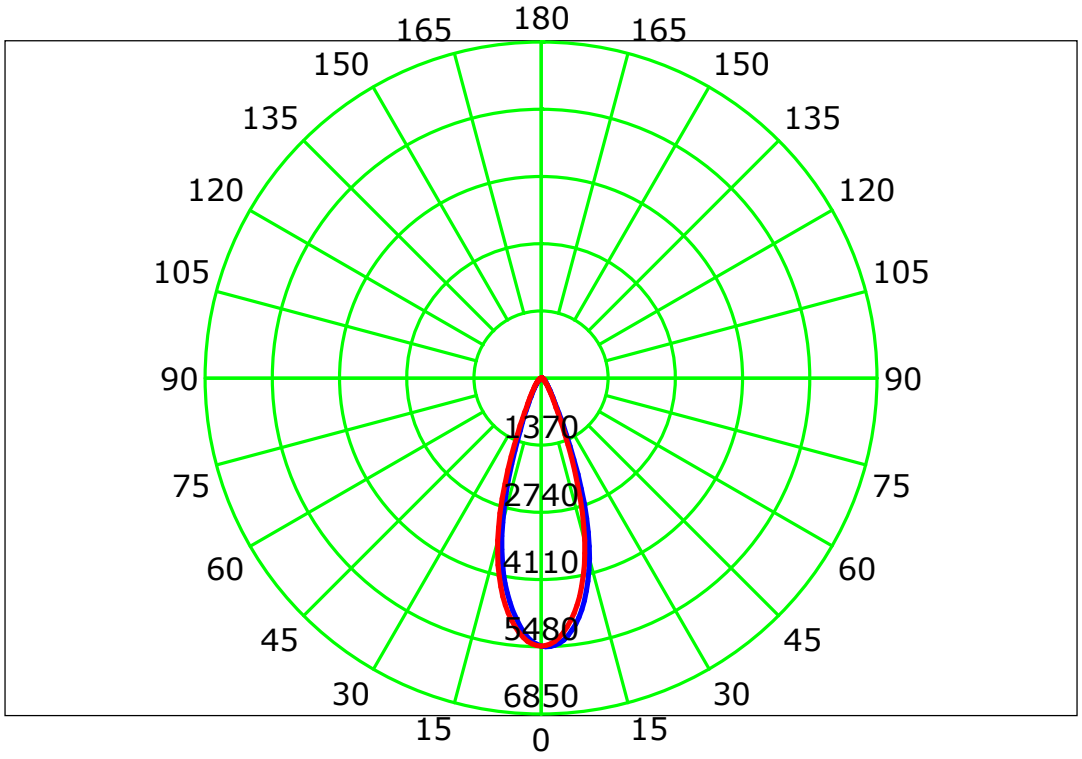
Picture Of Luminaire

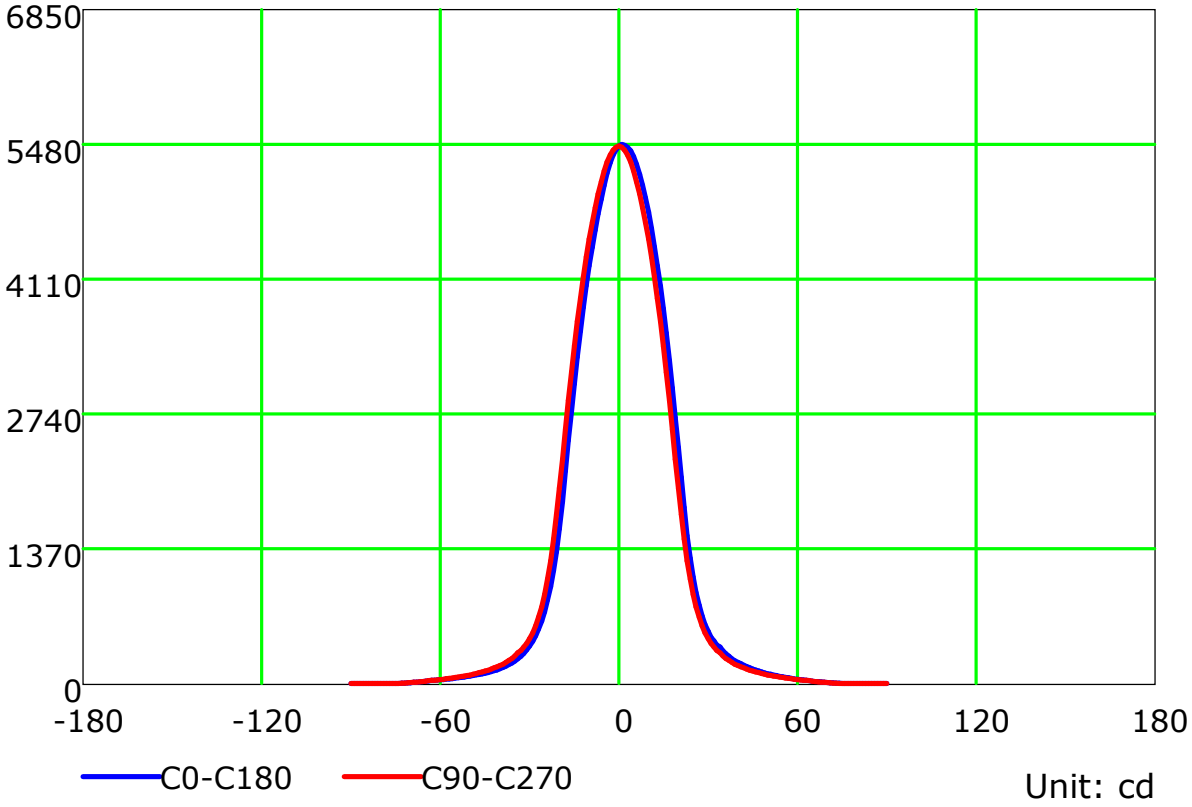
Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.010 m
Temperature:
Humidity:
Operator:
Inspector:

Luminous Intensity Distribution Curve

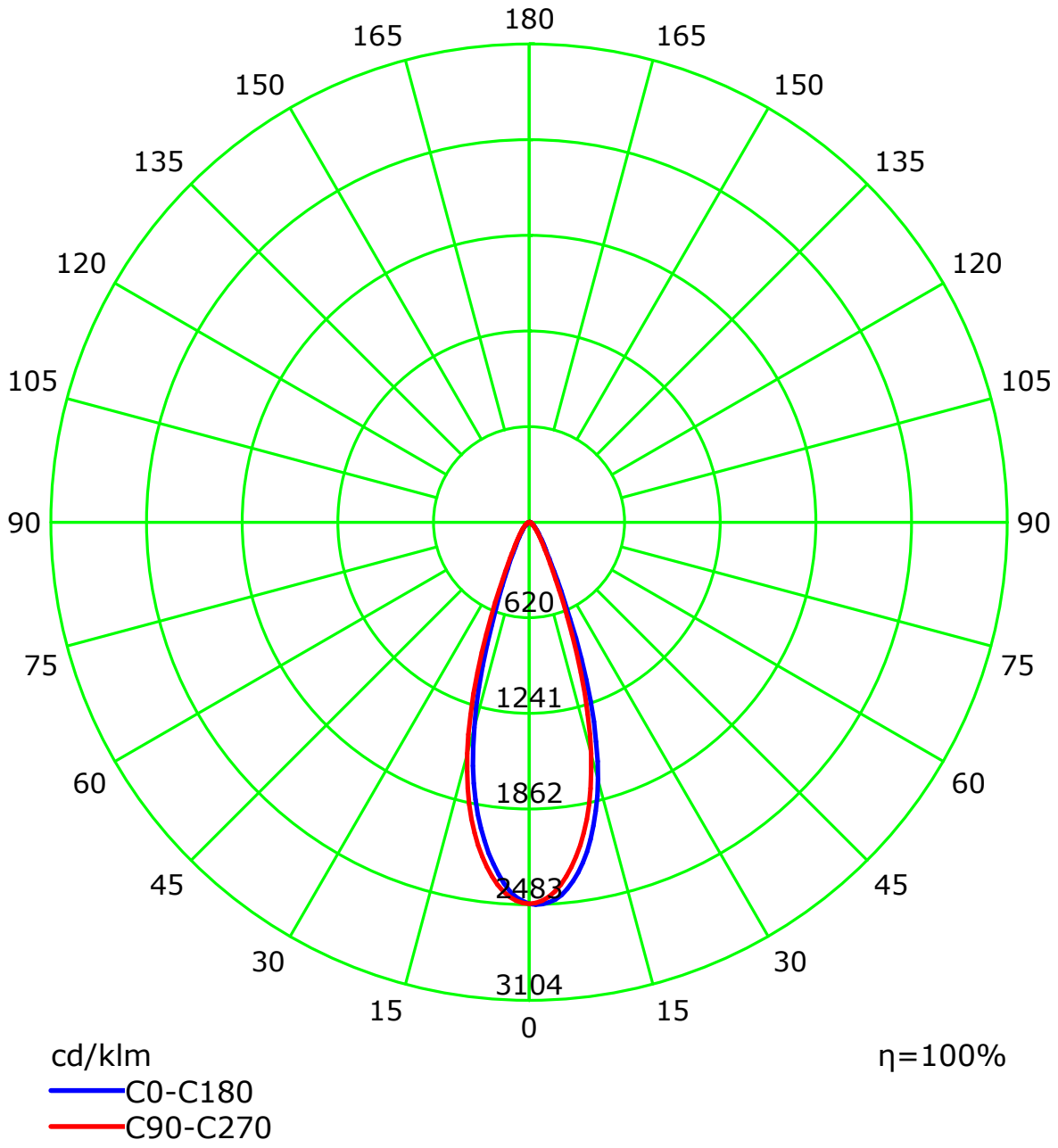




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

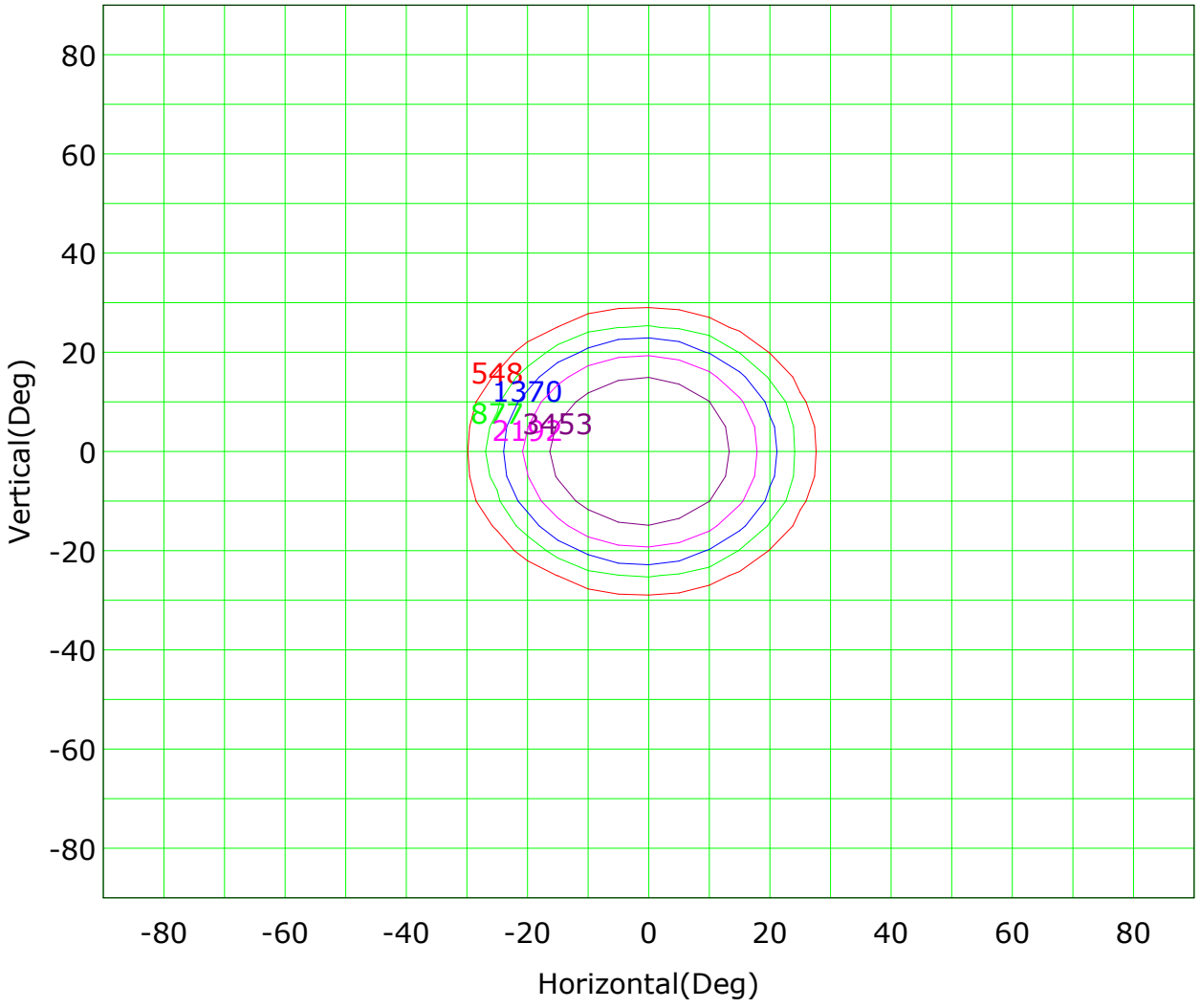
Luminous Intensity Distribution Curve(cd/klm)



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)

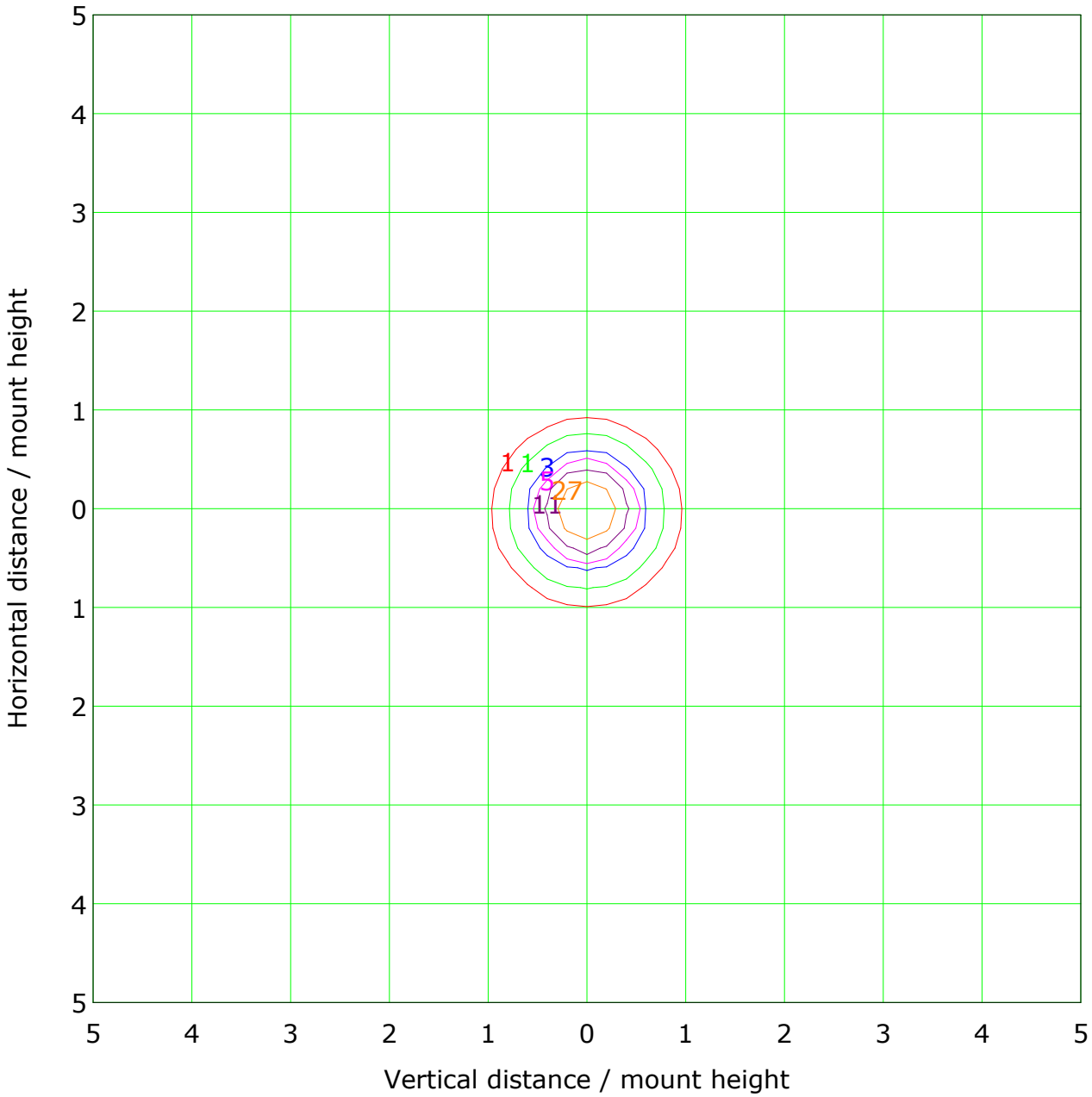


Imax (100%): 5480 cd

(10%): 548 cd
(16%): 877 cd
(25%): 1370 cd
(40%): 2192 cd
(63%): 3453 cd
(100%): 5480 cd

C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.010 m
Temperature:
Humidity:
Operator:
Inspector:

IsoLux Plot

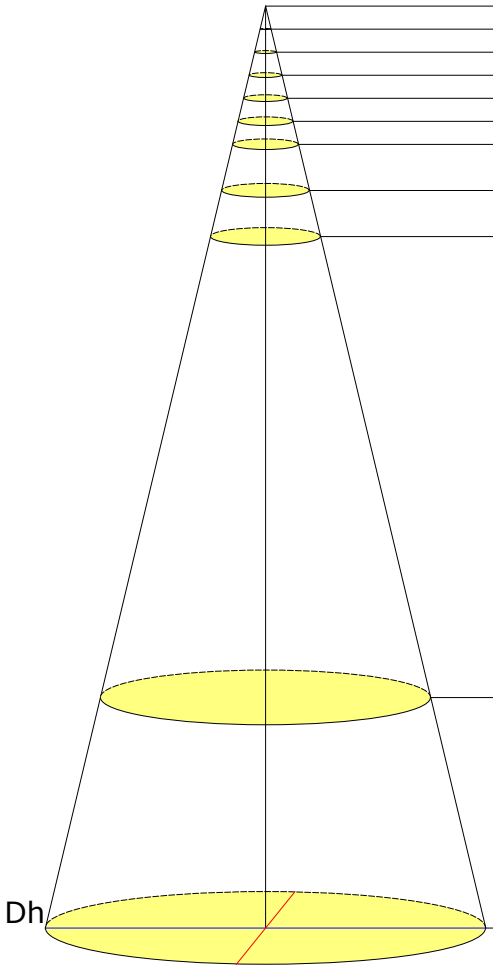


Mounting Height: 10.0m Max Lux(100%): 54.8 lx

(1%): 0.5 lx
(2%): 1.1 lx
(5%): 2.7 lx
(10%): 5.5 lx
(20%): 11.0 lx
(50%): 27.4 lx
(100%): 54.8 lx

C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.010 m
Temperature:
Humidity:
Operator:
Inspector:

Illuminance at a Distance



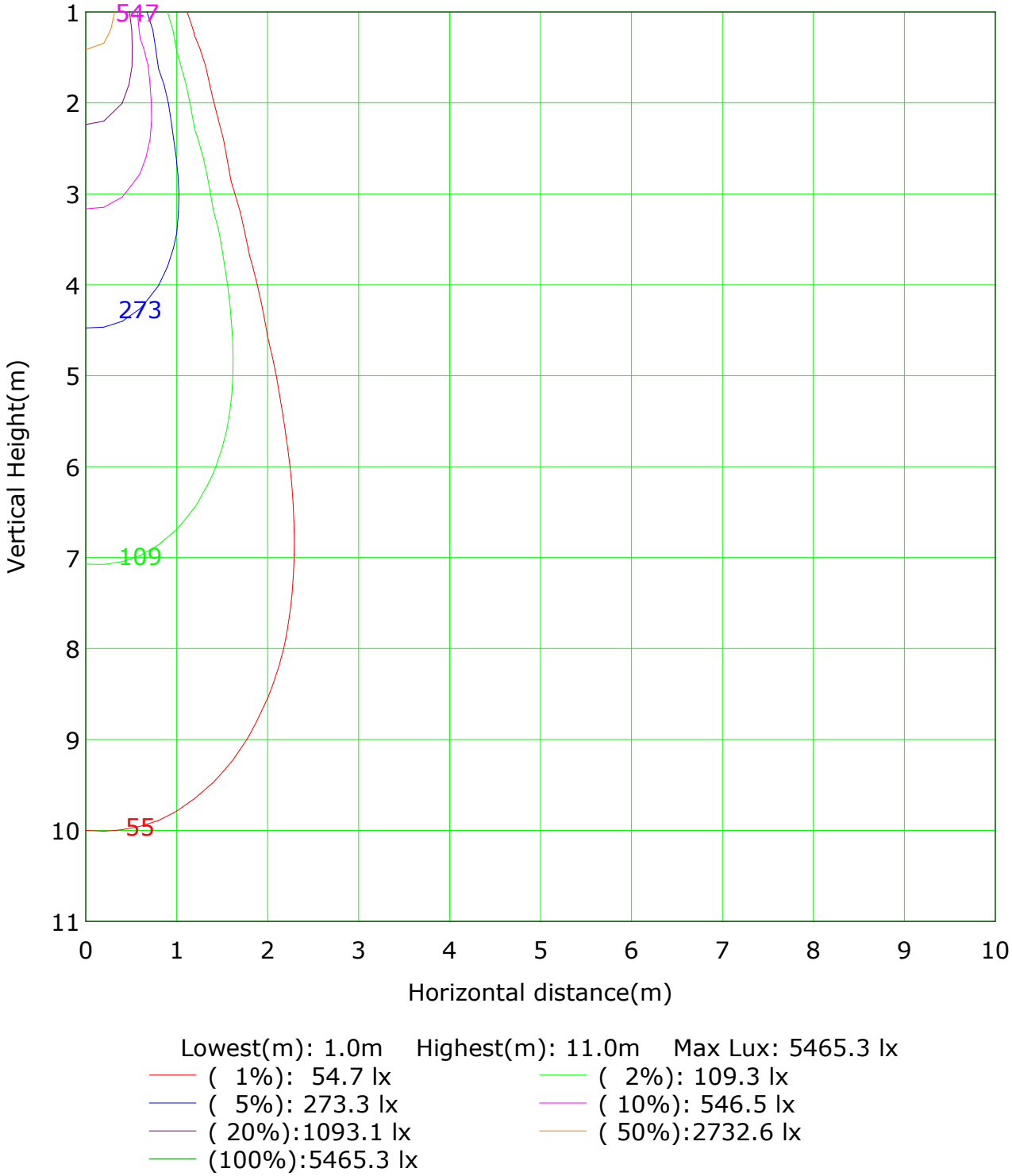
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
0.5	21861.00	0.32/0.32	0.1	10159.77
1.0	5465.25	0.63/0.63	0.3	2539.94
1.5	2429.00	0.95/0.95	0.7	1128.86
2.0	1366.31	1.26/1.26	1.3	634.99
2.5	874.44	1.58/1.58	2.0	406.39
3.0	607.25	1.89/1.89	2.8	282.22
4.0	341.58	2.52/2.52	5.0	158.75
5.0	218.61	3.15/3.15	7.8	101.60
15.0	24.29	9.45/9.46	70.4	11.29
20.0	13.66	12.60/12.61	125.1	6.35

Beam Angle(B): H35.0 V35.0 Field Angle(F): H56.8 V57.1

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:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5465.3 lx

(1%): 54.7 lx
(2%): 109.3 lx
(5%): 273.3 lx
(10%): 546.5 lx
(20%):1093.1 lx
(50%):2732.6 lx
(100%):5465.3 lx

C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.010 m
Temperature:
Humidity:
Operator:
Inspector:

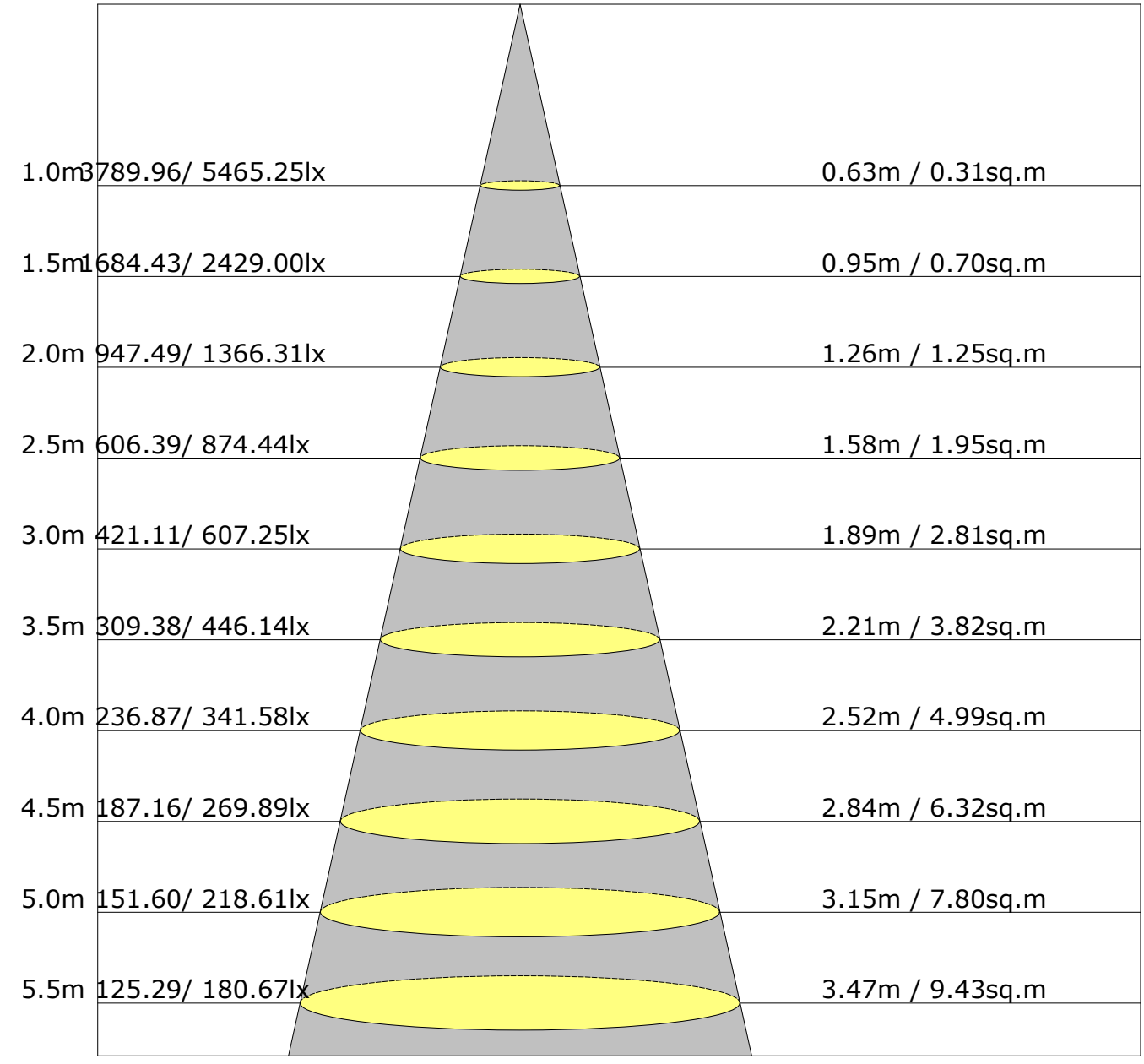
Area Flux Table

Unit: lm

| Horizontal plane | Vertical plane | | |

The Average Illuminance Effective Figure

Flux Out: 1181.95lm



Height | Avg./Nadir. E | Beam Angle:35.0° | Diameter / Area

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

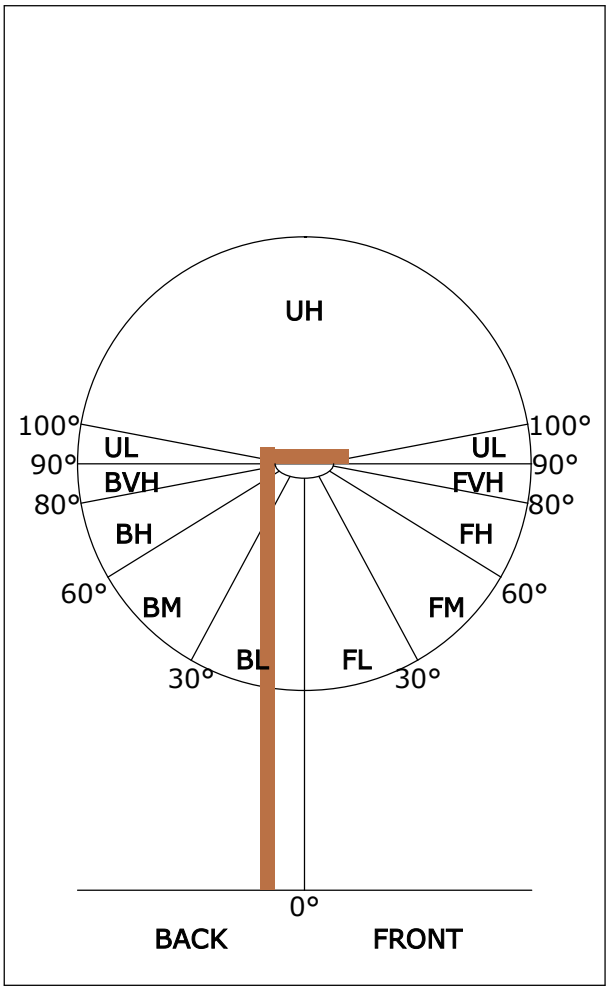
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	17.9	18.7	18.2	18.9	19.1	17.4	18.2	17.7	18.4	18.6
3H	18.0	18.7	18.3	19.0	19.2	17.6	18.3	17.9	18.5	18.7
4H	18.0	18.6	18.3	18.9	19.1	17.5	18.2	17.8	18.4	18.7
6H	17.9	18.5	18.2	18.8	19.1	17.4	18.0	17.8	18.3	18.6
8H	17.9	18.4	18.2	18.7	19.0	17.4	18.0	17.7	18.3	18.6
12H	17.8	18.4	18.2	18.7	19.0	17.4	17.9	17.7	18.2	18.5
X=4H Y=2H	18.0	18.6	18.3	18.9	19.2	17.6	18.2	17.9	18.4	18.7
3H	18.1	18.7	18.5	19.0	19.3	17.7	18.3	18.1	18.6	18.9
4H	18.1	18.6	18.4	18.9	19.2	17.6	18.1	18.0	18.5	18.8
6H	18.0	18.4	18.4	18.8	19.2	17.6	18.0	18.0	18.4	18.7
8H	17.9	18.3	18.4	18.7	19.1	17.5	17.9	17.9	18.3	18.7
12H	17.9	18.2	18.3	18.7	19.1	17.5	17.8	17.9	18.2	18.7
X=8H Y=4H	18.0	18.3	18.4	18.7	19.1	17.5	17.9	18.0	18.3	18.7
6H	17.9	18.2	18.3	18.6	19.1	17.4	17.8	17.9	18.2	18.6
8H	17.8	18.1	18.3	18.5	19.0	17.4	17.7	17.9	18.1	18.6
12H	17.8	18.0	18.3	18.5	19.0	17.3	17.6	17.8	18.1	18.5
X=12H Y=4H	17.9	18.3	18.3	18.7	19.1	17.5	17.8	17.9	18.2	18.7
6H	17.8	18.1	18.3	18.5	19.0	17.4	17.7	17.9	18.1	18.6
8H	17.8	18.0	18.3	18.5	19.0	17.3	17.6	17.8	18.1	18.5
Variations with the observer position at spacings:										
S=1.0H	+1.8/-2.0					+1.7/-1.9				
S=1.5H	+3.7/-3.8					+3.4/-3.5				
S=2.0H	+5.5/-6.1					+5.1/-6.0				

Calculate in accordance with CIE Pub.117. The table is revised with 2206lm (8log(F/F0) = 2.7).

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: 3.010 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1171	53.1
FL (0°-30°)	974	44.1
FM (30°-60°)	182	8.3
FH (60°-80°)	15	0.7
FVH (80°-90°)	0	0.0
BACK LIGHT	1036	46.9
BL (0°-30°)	867	39.3
BM (30°-60°)	155	7.0
BH (60°-80°)	14	0.6
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(**B**acklight,**U**plight,**G**lare) 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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	5459.6	5.2	5.2	0.24	0.24
1.0-2.0	5438.9	15.6	20.8	0.71	0.94
2.0-3.0	5398.9	25.8	46.7	1.17	2.11
3.0-4.0	5338.6	35.7	82.4	1.62	3.73
4.0-5.0	5257.2	45.2	127.6	2.05	5.79
5.0-6.0	5156.9	54.2	181.8	2.46	8.24
6.0-7.0	5039.7	62.6	244.4	2.84	11.08
7.0-8.0	4907.0	70.2	314.6	3.18	14.26
8.0-9.0	4762.3	77.2	391.8	3.50	17.76
9.0-10.0	4603.6	83.3	475.2	3.78	21.54
10.0-11.0	4428.4	88.5	563.6	4.01	25.55
11.0-12.0	4235.0	92.6	656.2	4.20	29.74
12.0-13.0	4024.3	95.5	751.8	4.33	34.07
13.0-14.0	3798.2	97.2	849.0	4.41	38.48
14.0-15.0	3555.8	97.6	946.6	4.43	42.91
15.0-16.0	3298.0	96.6	1043.3	4.38	47.29
16.0-17.0	3022.5	94.1	1137.4	4.27	51.55
17.0-18.0	2731.9	90.1	1227.5	4.08	55.64
18.0-19.0	2431.1	84.6	1312.1	3.83	59.47
19.0-20.0	2132.6	78.1	1390.1	3.54	63.01
20.0-21.0	1852.9	71.2	1461.3	3.23	66.23
21.0-22.0	1594.7	64.1	1525.4	2.91	69.14
22.0-23.0	1359.1	57.0	1582.4	2.59	71.72
23.0-24.0	1155.2	50.5	1632.9	2.29	74.01
24.0-25.0	985.3	44.8	1677.8	2.03	76.04
25.0-26.0	844.3	39.9	1717.6	1.81	77.85
26.0-27.0	727.8	35.6	1753.2	1.61	79.47
27.0-28.0	631.0	31.9	1785.2	1.45	80.91
28.0-29.0	551.0	28.8	1814.0	1.31	82.22
29.0-30.0	485.8	26.2	1840.2	1.19	83.41
30.0-31.0	431.9	24.0	1864.3	1.09	84.50
31.0-32.0	389.4	22.3	1886.6	1.01	85.51
32.0-33.0	353.9	20.9	1907.4	0.95	86.46
33.0-34.0	324.5	19.6	1927.1	0.89	87.35
34.0-35.0	297.0	18.4	1945.5	0.84	88.18
35.0-36.0	268.7	17.1	1962.6	0.78	88.96

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	245.7	16.0	1978.7	0.73	89.68
37.0-38.0	225.0	15.0	1993.7	0.68	90.37
38.0-39.0	206.2	14.1	2007.8	0.64	91.00
39.0-40.0	190.7	13.3	2021.1	0.60	91.61
40.0-41.0	176.8	12.6	2033.7	0.57	92.18
41.0-42.0	164.7	12.0	2045.6	0.54	92.72
42.0-43.0	153.8	11.4	2057.0	0.52	93.24
43.0-44.0	142.1	10.7	2067.8	0.49	93.72
44.0-45.0	131.9	10.1	2077.9	0.46	94.18
45.0-46.0	123.3	9.6	2087.5	0.44	94.62
46.0-47.0	115.0	9.1	2096.7	0.41	95.03
47.0-48.0	107.4	8.7	2105.4	0.39	95.43
48.0-49.0	99.9	8.2	2113.6	0.37	95.80
49.0-50.0	91.6	7.6	2121.2	0.35	96.14
50.0-51.0	85.6	7.2	2128.4	0.33	96.47
51.0-52.0	79.9	6.9	2135.3	0.31	96.78
52.0-53.0	74.3	6.5	2141.8	0.29	97.08
53.0-54.0	69.7	6.1	2147.9	0.28	97.35
54.0-55.0	65.2	5.8	2153.7	0.26	97.62
55.0-56.0	60.3	5.5	2159.2	0.25	97.87
56.0-57.0	55.8	5.1	2164.3	0.23	98.10
57.0-58.0	52.4	4.8	2169.1	0.22	98.32
58.0-59.0	47.5	4.4	2173.6	0.20	98.52
59.0-60.0	43.3	4.1	2177.7	0.19	98.70
60.0-61.0	40.0	3.8	2181.5	0.17	98.88
61.0-62.0	36.6	3.5	2185.0	0.16	99.04
62.0-63.0	34.3	3.3	2188.3	0.15	99.19
63.0-64.0	31.3	3.1	2191.4	0.14	99.33
64.0-65.0	27.1	2.7	2194.1	0.12	99.45
65.0-66.0	23.7	2.4	2196.5	0.11	99.56
66.0-67.0	20.7	2.1	2198.5	0.09	99.65
67.0-68.0	17.0	1.7	2200.3	0.08	99.73
68.0-69.0	15.1	1.5	2201.8	0.07	99.80
69.0-70.0	12.8	1.3	2203.1	0.06	99.86
70.0-71.0	9.4	1.0	2204.1	0.04	99.90
71.0-72.0	7.2	0.7	2204.8	0.03	99.94

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	5.7	0.6	2205.4	0.03	99.96
73.0-74.0	4.1	0.4	2205.9	0.02	99.98
74.0-75.0	2.6	0.3	2206.1	0.01	99.99
75.0-76.0	1.1	0.1	2206.3	0.01	100.00
76.0-77.0	0.0	0.0	2206.3	0.00	100.00
77.0-78.0	0.0	0.0	2206.3	0.00	100.00
78.0-79.0	0.0	0.0	2206.3	0.00	100.00
79.0-80.0	0.0	0.0	2206.3	0.00	100.00
80.0-81.0	0.0	0.0	2206.3	0.00	100.00
81.0-82.0	0.0	0.0	2206.3	0.00	100.00
82.0-83.0	0.0	0.0	2206.3	0.00	100.00
83.0-84.0	0.0	0.0	2206.3	0.00	100.00
84.0-85.0	0.0	0.0	2206.3	0.00	100.00
85.0-86.0	0.0	0.0	2206.3	0.00	100.00
86.0-87.0	0.0	0.0	2206.3	0.00	100.00
87.0-88.0	0.0	0.0	2206.3	0.00	100.00
88.0-89.0	0.0	0.0	2206.3	0.00	100.00
89.0-90.0	0.0	0.0	2206.3	0.00	100.00

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

Unit: cd

G\C	C0.0	C180.0								
G0.0	5465.3	5465.3								
G1.0	5480.3	5427.5								
G2.0	5472.8	5374.8								
G3.0	5451.7	5296.4								
G4.0	5417.0	5189.3								
G5.0	5358.2	5064.2								
G6.0	5279.8	4925.5								
G7.0	5177.3	4776.3								
G8.0	5064.2	4610.4								
G9.0	4937.6	4437.0								
G10.0	4791.3	4248.6								
G11.0	4625.5	4048.1								
G12.0	4441.5	3824.9								
G13.0	4247.1	3583.7								
G14.0	4040.5	3321.4								
G15.0	3812.9	3048.5								
G16.0	3564.1	2766.5								
G17.0	3286.7	2472.6								
G18.0	3004.8	2163.5								
G19.0	2706.2	1849.9								
G20.0	2401.7	1572.5								
G21.0	2097.1	1340.3								
G22.0	1792.6	1148.8								
G23.0	1506.2	989.0								
G24.0	1275.5	850.3								
G25.0	1084.0	731.2								
G26.0	927.2	634.7								
G27.0	796.0	553.3								
G28.0	687.5	487.0								
G29.0	600.0	429.7								
G30.0	530.7	382.9								
G31.0	470.4	343.8								
G32.0	434.2	309.1								
G33.0	393.5	278.9								
G34.0	372.4	253.3								
G35.0	333.2	229.2								
G36.0	303.0	209.6								

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	277.4	193.0								
G38.0	251.8	177.9								
G39.0	232.2	162.8								
G40.0	217.1	150.8								
G41.0	202.0	137.2								
G42.0	188.5	131.2								
G43.0	174.9	120.6								
G44.0	159.8	113.1								
G45.0	147.8	107.0								
G46.0	138.7	99.5								
G47.0	128.1	93.5								
G48.0	119.1	88.9								
G49.0	108.6	82.9								
G50.0	99.5	75.4								
G51.0	95.0	72.4								
G52.0	85.9	66.3								
G53.0	81.4	63.3								
G54.0	73.9	60.3								
G55.0	69.3	57.3								
G56.0	63.3	51.3								
G57.0	60.3	48.2								
G58.0	54.3	46.7								
G59.0	48.2	40.7								
G60.0	45.2	39.2								
G61.0	39.2	36.2								
G62.0	36.2	34.7								
G63.0	33.2	33.2								
G64.0	30.1	28.6								
G65.0	25.6	24.1								
G66.0	22.6	22.6								
G67.0	19.6	18.1								
G68.0	16.6	13.6								
G69.0	15.1	15.1								
G70.0	12.1	9.1								
G71.0	9.1	7.5								
G72.0	7.5	4.5								
G73.0	4.5	6.0								

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 2)

Unit: cd

G\C	C0.0	C180.0								
G74.0	4.5	1.5								
G75.0	3.0	1.5								
G76.0	0.0	0.0								
G77.0	0.0	0.0								
G78.0	0.0	0.0								
G79.0	0.0	0.0								
G80.0	0.0	0.0								
G81.0	0.0	0.0								
G82.0	0.0	0.0								
G83.0	0.0	0.0								
G84.0	0.0	0.0								
G85.0	0.0	0.0								
G86.0	0.0	0.0								
G87.0	0.0	0.0								
G88.0	0.0	0.0								
G89.0	0.0	0.0								
G90.0	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: