Report No.: Test Time: 2026-09-11 16:04

Luminaire Property

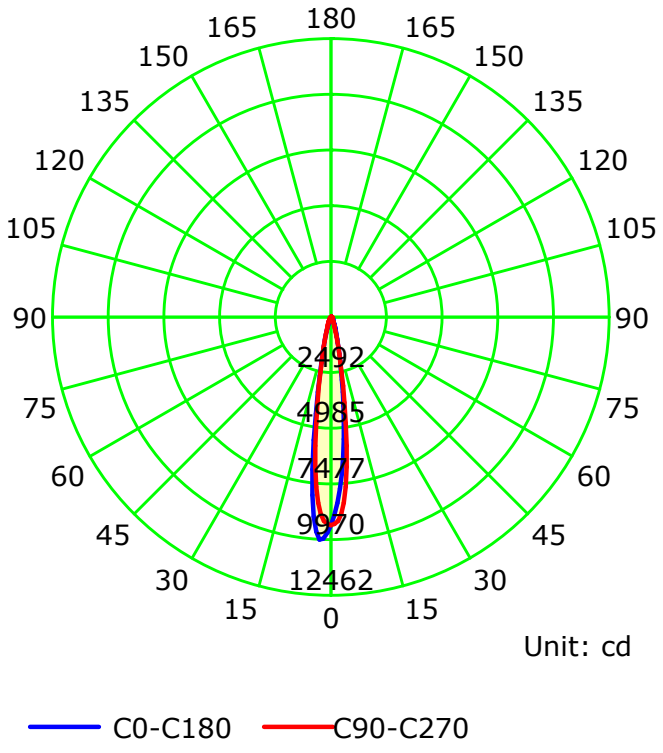
Luminaire Manufacturer:
Luminaire Description: ADJ 84 12D
Luminous Length (mm): -80
Luminous Width (mm): -80
Voltage: 227.1 V
Current: 0.075 A
Power: 16.50 W
Power Factor: 0.966

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 1191.7 lm
Measurement Flux: 1191.7 lm
Efficiency: 100%
Downward Ratio: 100%
Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H15.6
Vertical Diffuse Angle(50%): V15.6
Luminaire Efficacy Rating (LER): 72.27
Central Intensity: 9323.33 cd
Max. Intensity: 9970.12 cd
Pos of Max. Intensity: H180 V3
S/MH(C0/C180): 0.28
S/MH(C90/C270): 0.28

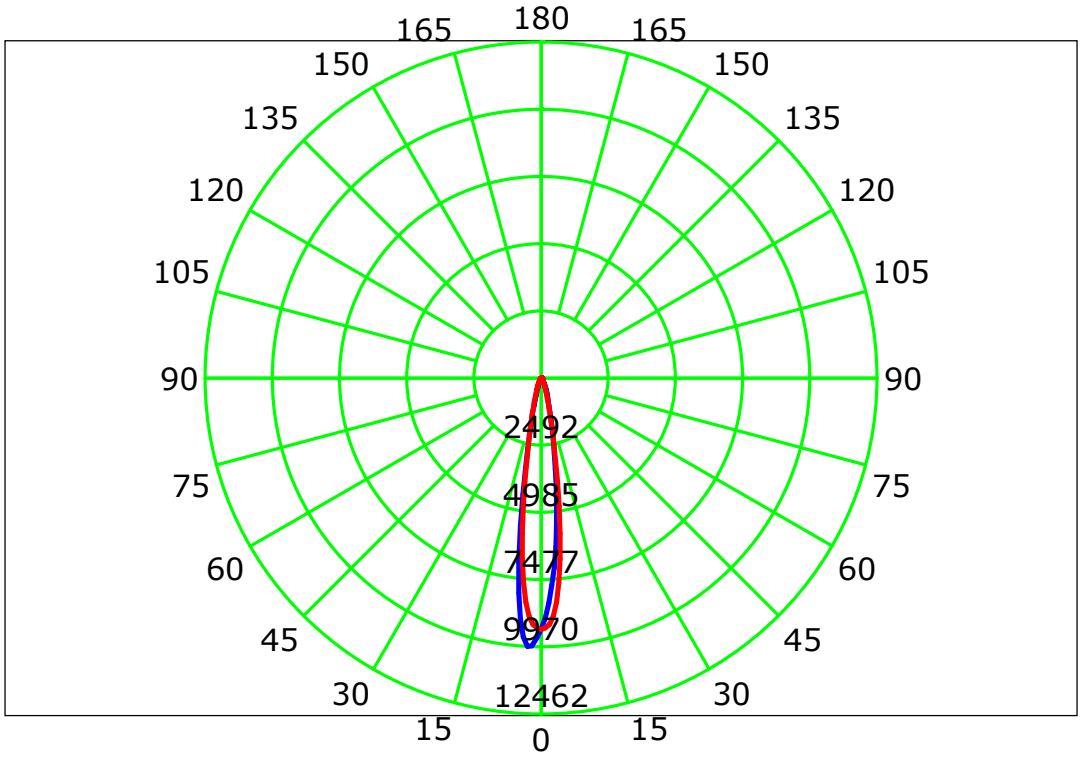
Picture Of Luminaire

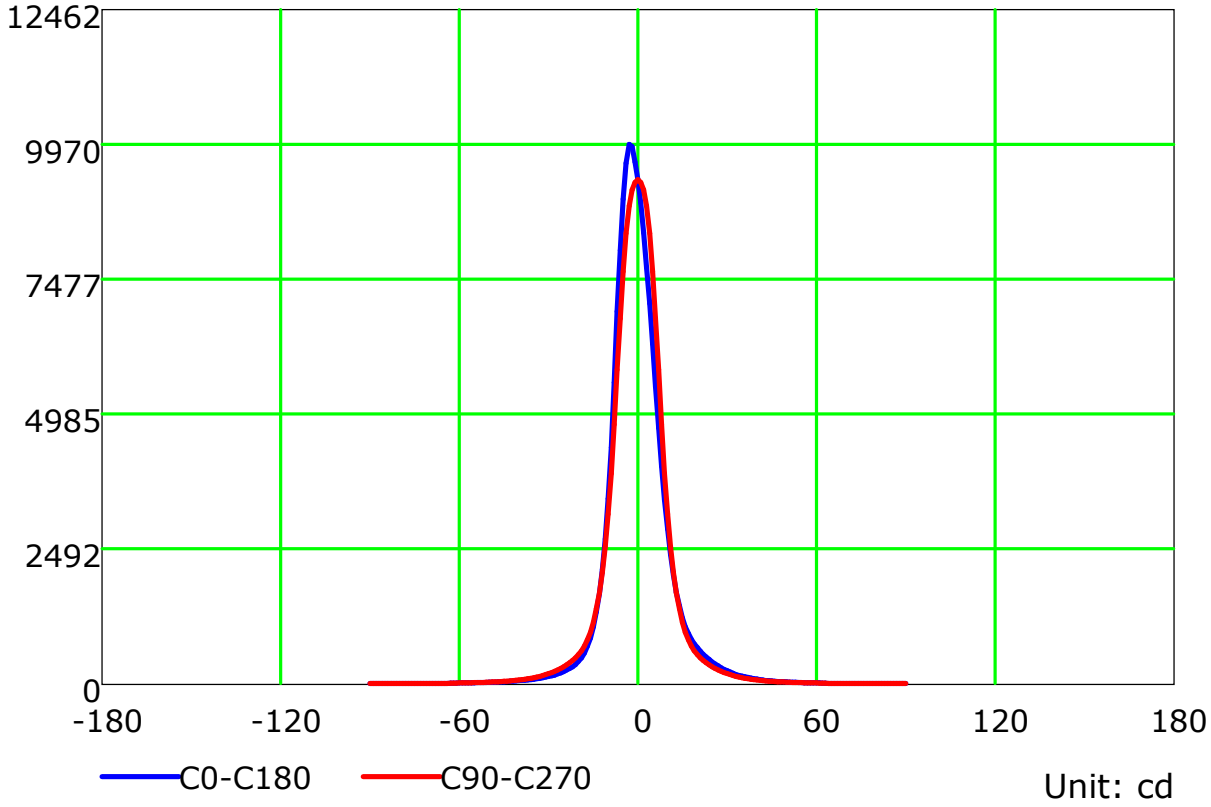
Luminous Intensity Distribution Curve



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

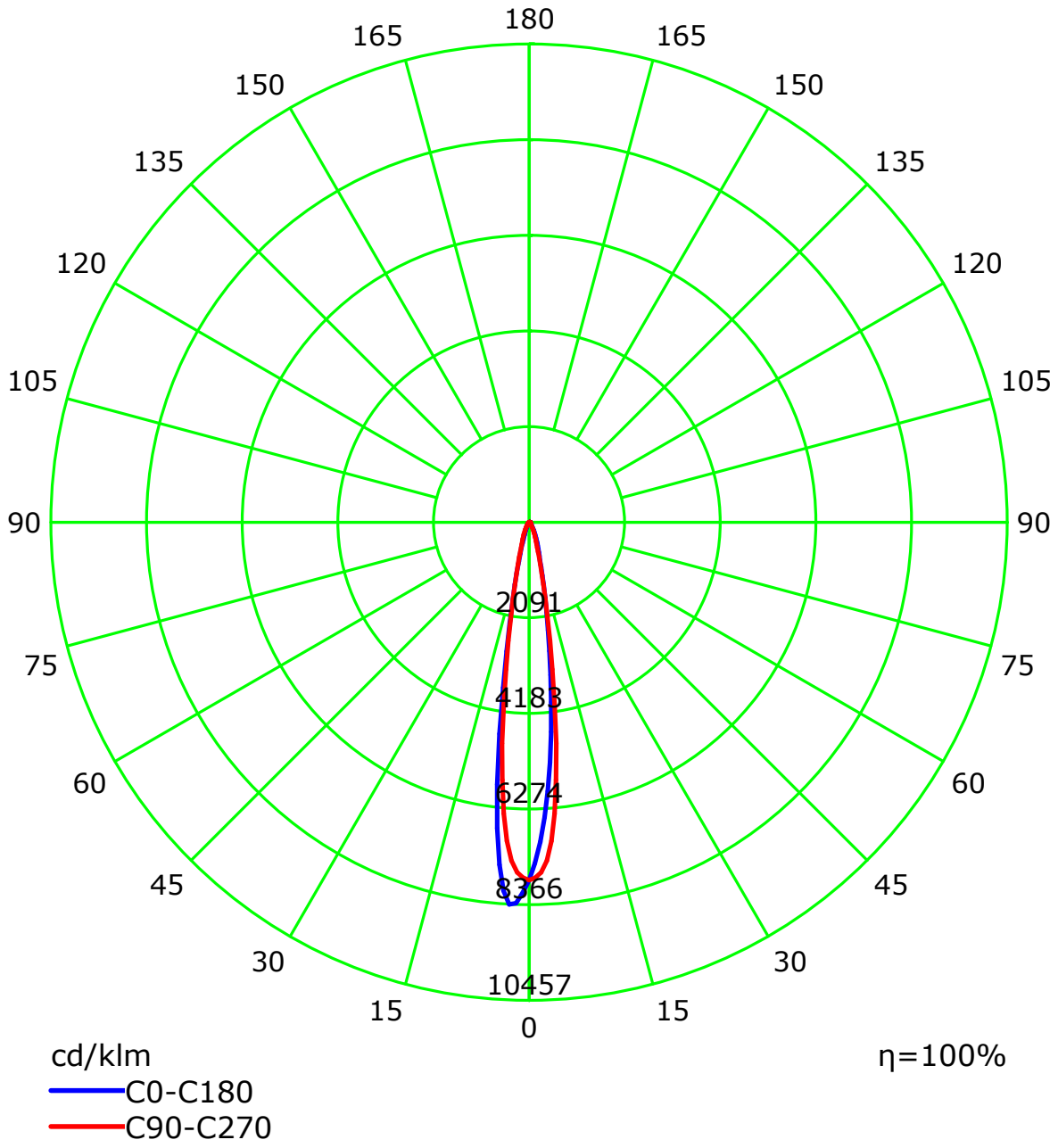




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

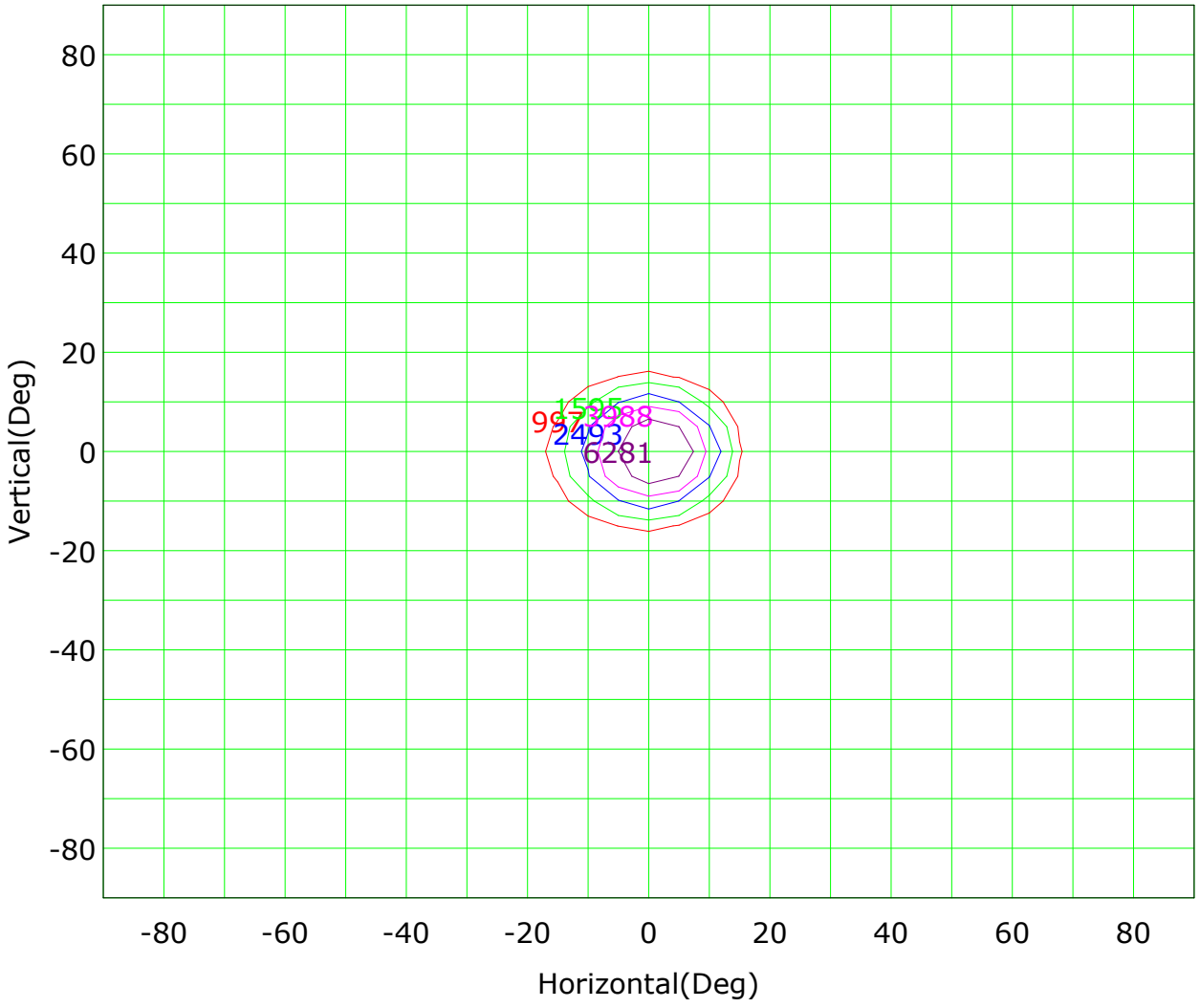
Luminous Intensity Distribution Curve(cd/klm)



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)

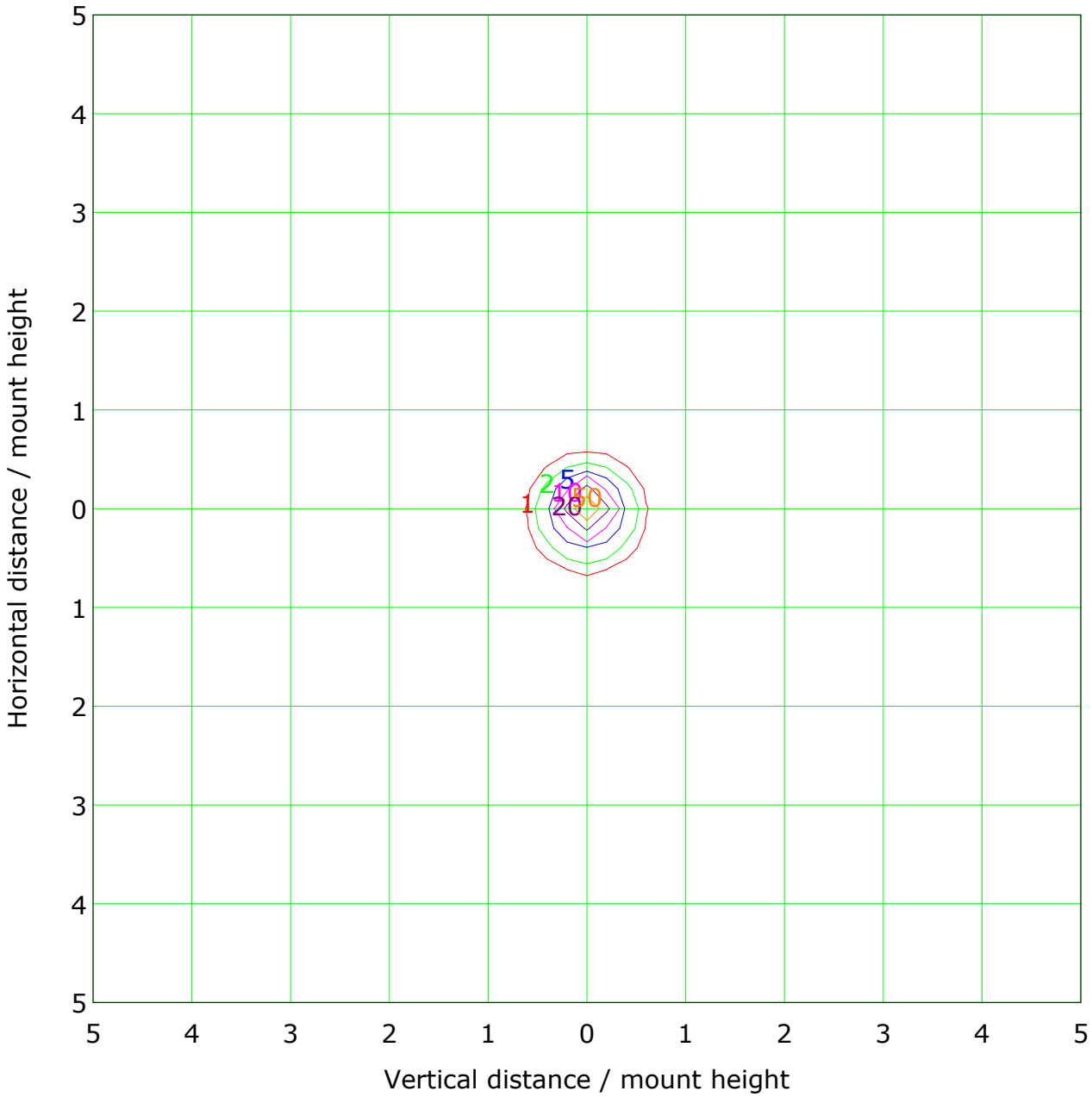


Imax (100%): 9970 cd

(10%): 997 cd
(16%): 1595 cd
(25%): 2493 cd
(40%): 3988 cd
(63%): 6281 cd
(100%): 9970 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

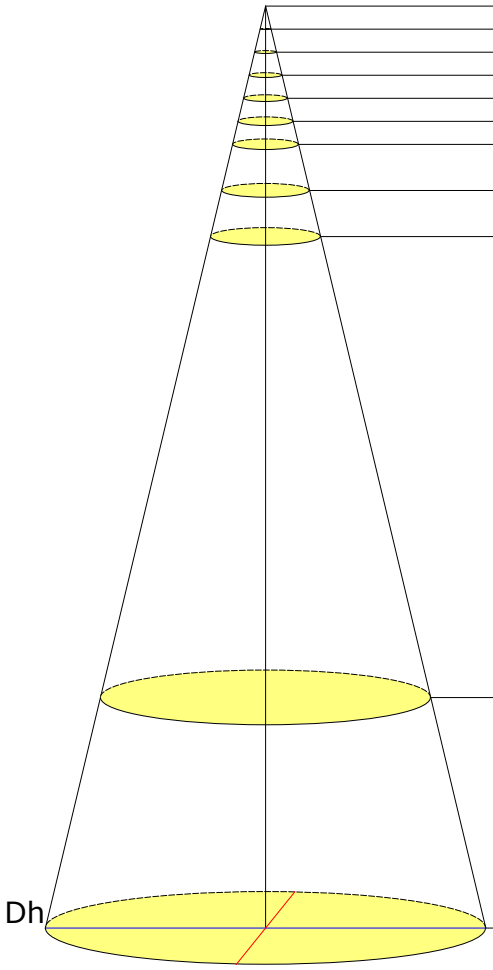


Mounting Height: 10.0m Max Lux(100%): 99.3 lx

(1%): 1.0 lx
(2%): 2.0 lx
(5%): 5.0 lx
(10%): 9.9 lx
(20%): 19.9 lx
(50%): 49.6 lx
(100%): 99.3 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:

Illuminance at a Distance



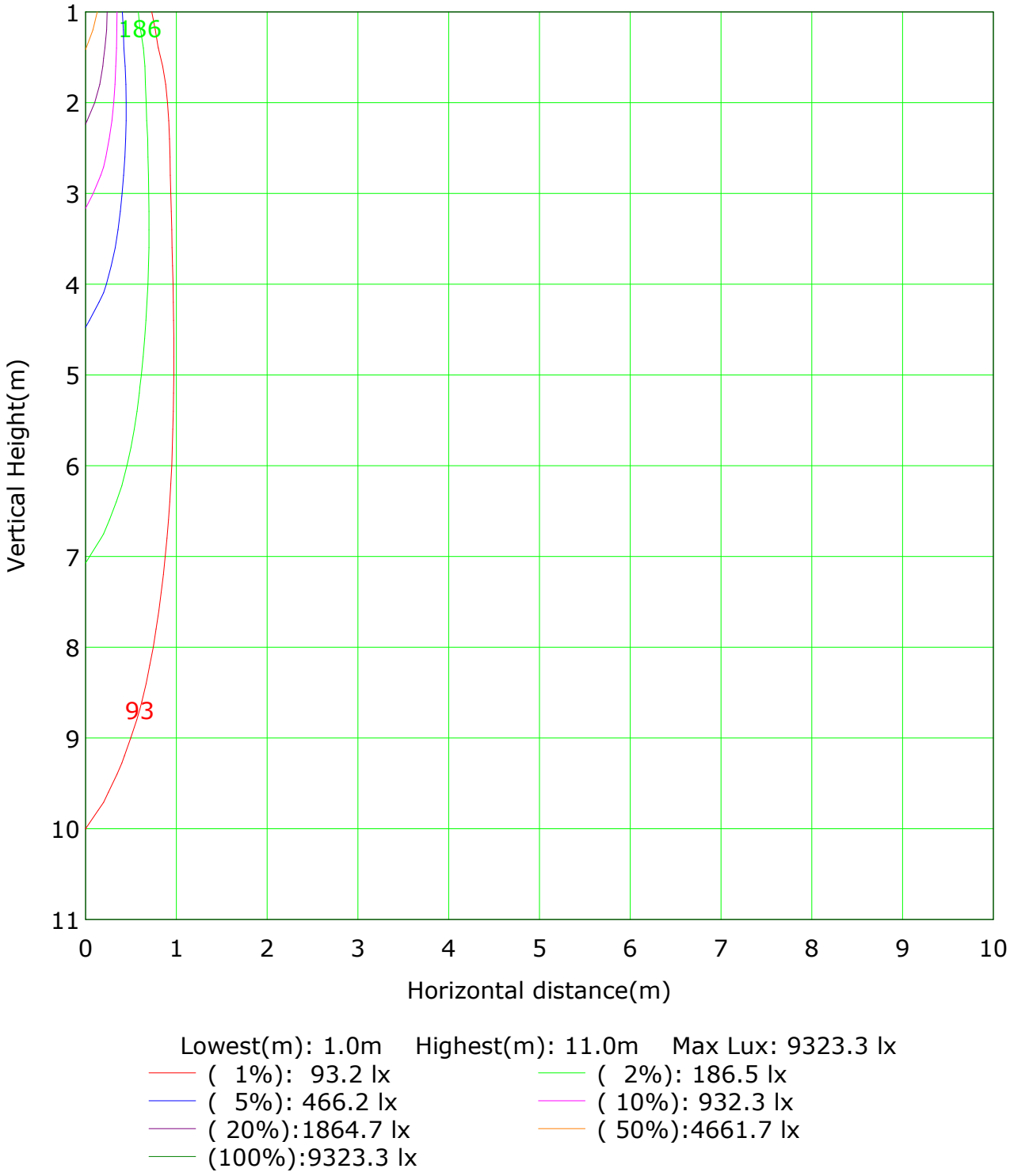
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
0.5	37293.32	0.13/0.14	0.0	19255.89
1.0	9323.33	0.27/0.29	0.1	4813.97
1.5	4143.70	0.40/0.43	0.1	2139.54
2.0	2330.83	0.53/0.57	0.2	1203.49
2.5	1491.73	0.66/0.72	0.4	770.24
3.0	1035.93	0.80/0.86	0.5	534.89
4.0	582.71	1.06/1.15	0.9	300.87
5.0	372.93	1.33/1.43	1.5	192.56
15.0	41.44	3.99/4.29	13.2	21.40
20.0	23.31	5.32/5.73	23.5	12.03

Beam Angle(B): H15.1 V16.3 Field Angle(F): H31.7 V32.2

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: 9323.3 lx

(1%): 93.2 lx
(2%): 186.5 lx
(5%): 466.2 lx
(10%): 932.3 lx
(20%):1864.7 lx
(50%):4661.7 lx
(100%):9323.3 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:

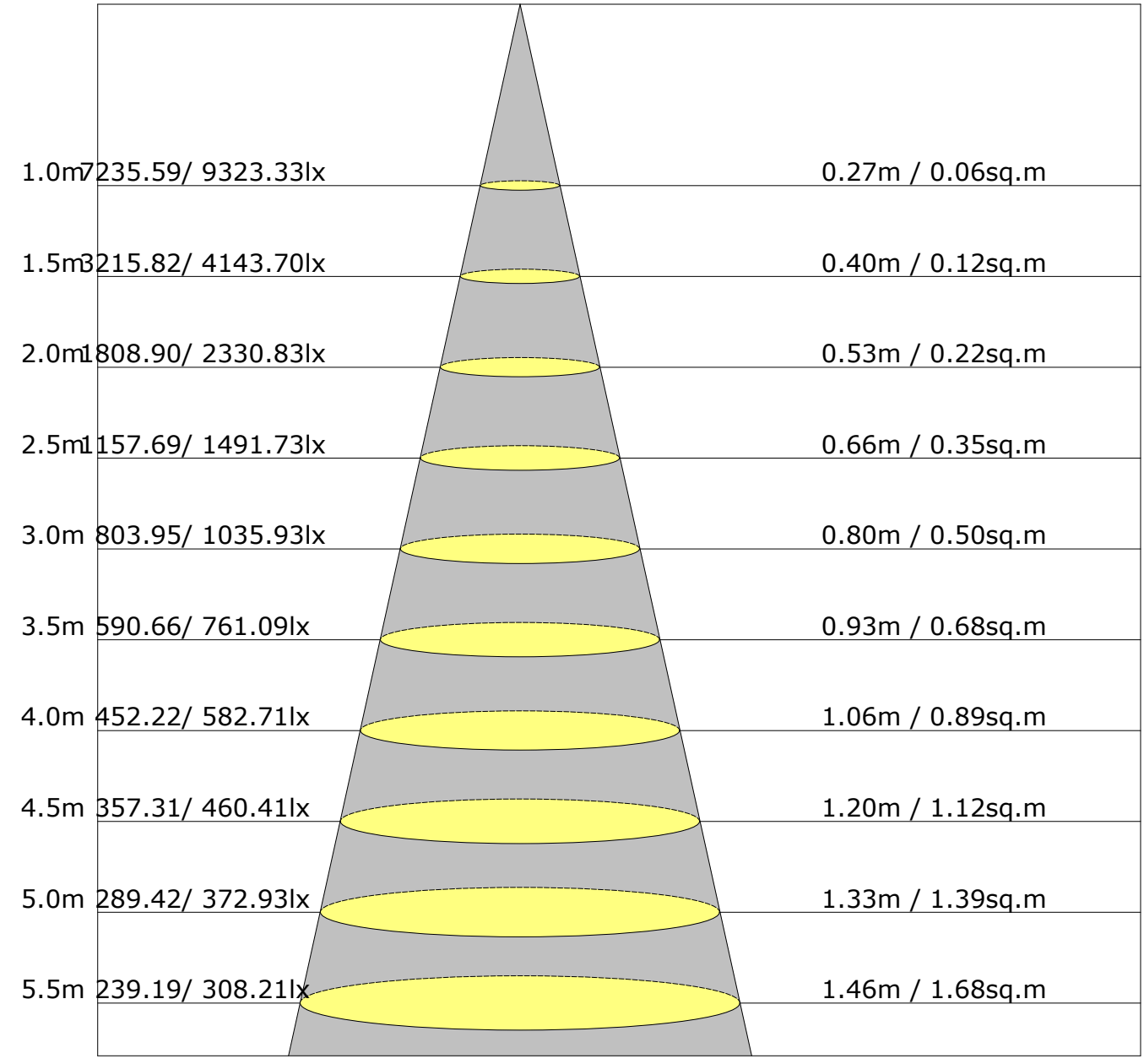
Area Flux Table

Unit: lm

| Horizontal plane | Vertical plane | | |

The Average Illuminance Effective Figure

Flux Out: 401.96lm



Height | Avg./Nadir. E | Beam Angle:15.1° | 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

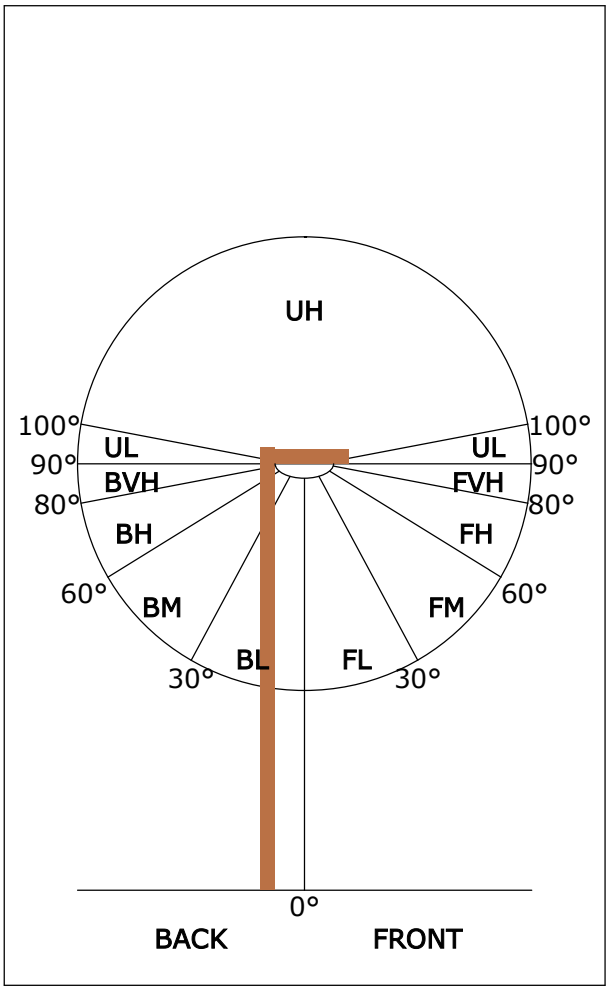
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	13.9	14.5	14.1	14.7	14.9	13.3	13.8	13.5	14.0	14.2
3H	13.8	14.3	14.0	14.5	14.8	13.1	13.7	13.4	13.9	14.1
4H	13.7	14.2	14.0	14.5	14.7	13.1	13.6	13.4	13.8	14.1
6H	13.6	14.1	13.9	14.4	14.6	13.0	13.5	13.3	13.7	14.0
8H	13.6	14.0	13.9	14.3	14.6	12.9	13.4	13.3	13.7	14.0
12H	13.5	14.0	13.9	14.3	14.6	12.9	13.4	13.3	13.7	14.0
X=4H Y=2H	13.8	14.3	14.1	14.6	14.8	13.2	13.7	13.5	14.0	14.2
3H	13.7	14.1	14.0	14.4	14.7	13.1	13.5	13.4	13.8	14.1
4H	13.6	14.0	14.0	14.3	14.7	13.0	13.4	13.4	13.7	14.1
6H	13.5	13.8	13.9	14.2	14.6	12.9	13.3	13.3	13.6	14.0
8H	13.4	13.8	13.9	14.2	14.6	12.8	13.2	13.3	13.6	14.0
12H	13.4	13.7	13.8	14.1	14.5	12.8	13.1	13.2	13.5	13.9
X=8H Y=4H	13.4	13.8	13.9	14.2	14.6	12.8	13.2	13.3	13.6	14.0
6H	13.3	13.6	13.8	14.0	14.5	12.7	13.0	13.2	13.4	13.9
8H	13.3	13.5	13.8	14.0	14.4	12.7	12.9	13.2	13.4	13.8
12H	13.2	13.4	13.7	13.9	14.4	12.6	12.8	13.1	13.3	13.8
X=12H Y=4H	13.4	13.7	13.8	14.1	14.5	12.8	13.1	13.2	13.5	13.9
6H	13.3	13.5	13.8	14.0	14.4	12.7	12.9	13.2	13.4	13.8
8H	13.2	13.4	13.7	13.9	14.4	12.6	12.8	13.1	13.3	13.8
Variations with the observer position at spacings:										
S=1.0H	+3.1/-3.5					+2.7/-3.1				
S=1.5H	+5.4/-7.3					+4.8/-6.6				
S=2.0H	+7.4/-43.2					+6.7/-21.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1192lm (8log(F/F0) = 0.6).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	595	49.9
FL (0°-30°)	526	44.1
FM (30°-60°)	67	5.6
FH (60°-80°)	2	0.2
FVH (80°-90°)	0	0.0
BACK LIGHT	597	50.1
BL (0°-30°)	540	45.3
BM (30°-60°)	55	4.6
BH (60°-80°)	2	0.2
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)	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	9295.8	8.9	8.9	0.75	0.75
1.0-2.0	9201.6	26.4	35.3	2.22	2.96
2.0-3.0	8985.2	43.0	78.3	3.61	6.57
3.0-4.0	8582.3	57.5	135.7	4.82	11.39
4.0-5.0	7975.9	68.6	204.4	5.76	17.15
5.0-6.0	7188.9	75.6	279.9	6.34	23.49
6.0-7.0	6279.8	78.0	357.9	6.54	30.03
7.0-8.0	5299.4	75.9	433.7	6.37	36.40
8.0-9.0	4340.2	70.3	504.1	5.90	42.30
9.0-10.0	3510.6	63.5	567.6	5.33	47.63
10.0-11.0	2833.3	56.6	624.2	4.75	52.38
11.0-12.0	2295.4	50.2	674.4	4.21	56.59
12.0-13.0	1868.7	44.4	718.8	3.72	60.32
13.0-14.0	1528.8	39.1	757.9	3.28	63.60
14.0-15.0	1256.6	34.5	792.4	2.90	66.49
15.0-16.0	1041.0	30.5	822.9	2.56	69.05
16.0-17.0	877.1	27.3	850.2	2.29	71.35
17.0-18.0	750.1	24.7	875.0	2.08	73.42
18.0-19.0	650.9	22.6	897.6	1.90	75.32
19.0-20.0	571.8	20.9	918.6	1.76	77.08
20.0-21.0	506.9	19.5	938.0	1.63	78.71
21.0-22.0	453.0	18.2	956.2	1.53	80.24
22.0-23.0	406.7	17.1	973.3	1.43	81.67
23.0-24.0	366.7	16.0	989.3	1.35	83.02
24.0-25.0	330.6	15.0	1004.4	1.26	84.28
25.0-26.0	295.9	14.0	1018.3	1.17	85.45
26.0-27.0	265.7	13.0	1031.3	1.09	86.54
27.0-28.0	239.3	12.1	1043.5	1.02	87.56
28.0-29.0	215.2	11.3	1054.7	0.94	88.51
29.0-30.0	194.5	10.5	1065.2	0.88	89.39
30.0-31.0	176.4	9.8	1075.0	0.82	90.21
31.0-32.0	158.3	9.1	1084.1	0.76	90.97
32.0-33.0	141.0	8.3	1092.4	0.70	91.67
33.0-34.0	127.4	7.7	1100.1	0.65	92.32
34.0-35.0	115.7	7.2	1107.3	0.60	92.92
35.0-36.0	105.2	6.7	1114.0	0.56	93.48

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	95.7	6.2	1120.3	0.52	94.00
37.0-38.0	86.7	5.8	1126.0	0.49	94.49
38.0-39.0	78.8	5.4	1131.4	0.45	94.94
39.0-40.0	72.0	5.0	1136.4	0.42	95.36
40.0-41.0	64.5	4.6	1141.0	0.39	95.75
41.0-42.0	58.4	4.2	1145.3	0.36	96.10
42.0-43.0	53.5	4.0	1149.2	0.33	96.44
43.0-44.0	48.6	3.7	1152.9	0.31	96.75
44.0-45.0	44.5	3.4	1156.3	0.29	97.03
45.0-46.0	41.1	3.2	1159.5	0.27	97.30
46.0-47.0	37.7	3.0	1162.5	0.25	97.55
47.0-48.0	33.5	2.7	1165.3	0.23	97.78
48.0-49.0	31.7	2.6	1167.9	0.22	98.00
49.0-50.0	29.4	2.5	1170.3	0.21	98.20
50.0-51.0	26.0	2.2	1172.5	0.18	98.39
51.0-52.0	24.1	2.1	1174.6	0.17	98.56
52.0-53.0	22.6	2.0	1176.5	0.17	98.73
53.0-54.0	21.1	1.9	1178.4	0.16	98.88
54.0-55.0	19.2	1.7	1180.1	0.14	99.03
55.0-56.0	17.3	1.6	1181.7	0.13	99.16
56.0-57.0	16.2	1.5	1183.2	0.12	99.28
57.0-58.0	15.1	1.4	1184.6	0.12	99.40
58.0-59.0	13.9	1.3	1185.9	0.11	99.51
59.0-60.0	12.8	1.2	1187.1	0.10	99.61
60.0-61.0	11.7	1.1	1188.2	0.09	99.71
61.0-62.0	10.6	1.0	1189.2	0.09	99.79
62.0-63.0	8.7	0.8	1190.1	0.07	99.86
63.0-64.0	6.0	0.6	1190.7	0.05	99.91
64.0-65.0	3.8	0.4	1191.0	0.03	99.94
65.0-66.0	3.0	0.3	1191.3	0.03	99.97
66.0-67.0	1.9	0.2	1191.5	0.02	99.98
67.0-68.0	1.1	0.1	1191.6	0.01	99.99
68.0-69.0	0.8	0.1	1191.7	0.01	100.00
69.0-70.0	0.0	0.0	1191.7	0.00	100.00
70.0-71.0	0.0	0.0	1191.7	0.00	100.00
71.0-72.0	0.0	0.0	1191.7	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:

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	0.0	0.0	1191.7	0.00	100.00
73.0-74.0	0.0	0.0	1191.7	0.00	100.00
74.0-75.0	0.0	0.0	1191.7	0.00	100.00
75.0-76.0	0.0	0.0	1191.7	0.00	100.00
76.0-77.0	0.0	0.0	1191.7	0.00	100.00
77.0-78.0	0.0	0.0	1191.7	0.00	100.00
78.0-79.0	0.0	0.0	1191.7	0.00	100.00
79.0-80.0	0.0	0.0	1191.7	0.00	100.00
80.0-81.0	0.0	0.0	1191.7	0.00	100.00
81.0-82.0	0.0	0.0	1191.7	0.00	100.00
82.0-83.0	0.0	0.0	1191.7	0.00	100.00
83.0-84.0	0.0	0.0	1191.7	0.00	100.00
84.0-85.0	0.0	0.0	1191.7	0.00	100.00
85.0-86.0	0.0	0.0	1191.7	0.00	100.00
86.0-87.0	0.0	0.0	1191.7	0.00	100.00
87.0-88.0	0.0	0.0	1191.7	0.00	100.00
88.0-89.0	0.0	0.0	1191.7	0.00	100.00
89.0-90.0	0.0	0.0	1191.7	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	9323.3	9323.3								
G1.0	8890.6	9646.0								
G2.0	8337.3	9932.4								
G3.0	7701.1	9970.1								
G4.0	7033.2	9624.9								
G5.0	6285.4	8960.0								
G6.0	5496.9	8013.2								
G7.0	4725.0	6884.0								
G8.0	4020.9	5567.8								
G9.0	3402.8	4369.2								
G10.0	2854.0	3416.3								
G11.0	2391.1	2671.6								
G12.0	2011.2	2107.7								
G13.0	1691.6	1664.4								
G14.0	1433.8	1325.2								
G15.0	1215.2	1052.3								
G16.0	1052.3	844.3								
G17.0	924.2	687.5								
G18.0	821.7	566.9								
G19.0	738.8	476.4								
G20.0	663.4	408.6								
G21.0	603.1	352.8								
G22.0	542.8	313.6								
G23.0	491.5	278.9								
G24.0	446.3	250.3								
G25.0	402.5	223.1								
G26.0	361.8	196.0								
G27.0	327.2	177.9								
G28.0	292.5	159.8								
G29.0	263.8	144.7								
G30.0	238.2	131.2								
G31.0	215.6	120.6								
G32.0	190.0	107.0								
G33.0	168.9	98.0								
G34.0	153.8	88.9								
G35.0	138.7	81.4								
G36.0	125.1	75.4								

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	113.1	69.3								
G38.0	101.0	63.3								
G39.0	90.5	60.3								
G40.0	82.9	54.3								
G41.0	72.4	48.2								
G42.0	66.3	46.7								
G43.0	58.8	42.2								
G44.0	54.3	39.2								
G45.0	49.8	34.7								
G46.0	45.2	34.7								
G47.0	39.2	31.7								
G48.0	36.2	27.1								
G49.0	36.2	27.1								
G50.0	30.1	24.1								
G51.0	27.1	22.6								
G52.0	27.1	19.6								
G53.0	24.1	19.6								
G54.0	22.6	18.1								
G55.0	19.6	16.6								
G56.0	16.6	16.6								
G57.0	16.6	15.1								
G58.0	13.6	15.1								
G59.0	15.1	12.1								
G60.0	12.1	12.1								
G61.0	12.1	10.6								
G62.0	9.1	10.6								
G63.0	7.5	7.5								
G64.0	4.5	4.5								
G65.0	1.5	4.5								
G66.0	1.5	4.5								
G67.0	0.0	1.5								
G68.0	0.0	3.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	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:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C180.0								
G74.0	0.0	0.0								
G75.0	0.0	0.0								
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: