

Report No.:

Test Time: 2025-09-11 17:17

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FLEXI 铝杯款 24D 2025.9.11

Luminous Length (mm): -68

Voltage: 225.1 V

Power: 14.70 W

Luminous Width (mm): -68

Current: 0.110 A

Power Factor: 0.592

Photometric Results

CIE Class: Direct

Measurement Flux: 1547.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H29.1

Vertical Diffuse Angle(50%): V29.1

Luminaire Efficacy Rating (LER): 105.31

Max. Intensity: 6141.03 cd

S/MH(C0/C180): 0.49

Total Rated Lamp Lumens: 1547.3 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 6097.48 cd

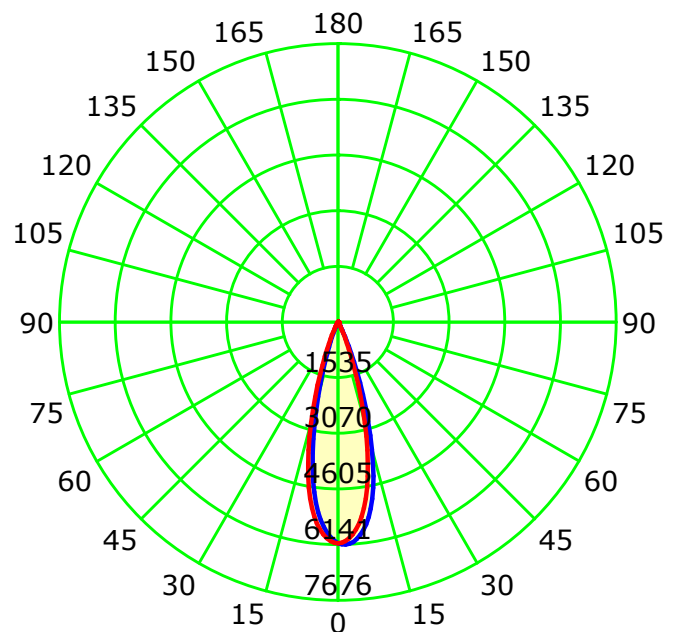
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.49

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

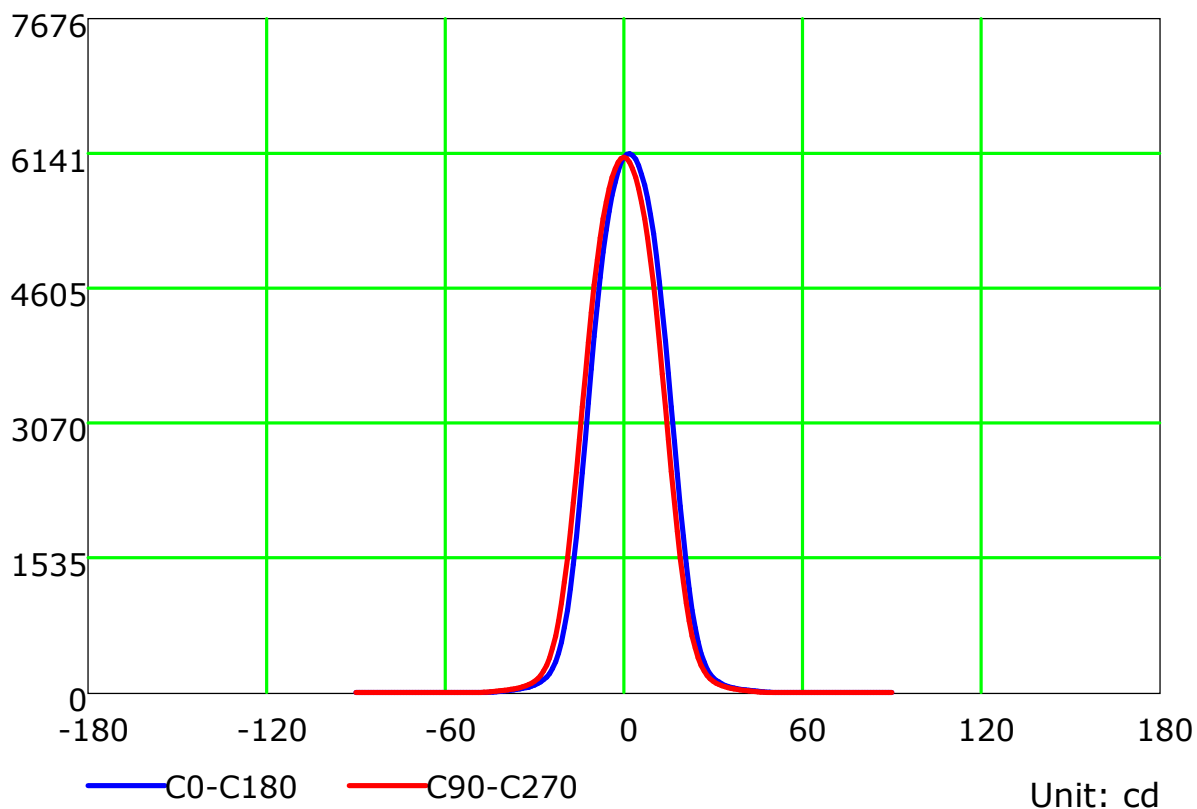
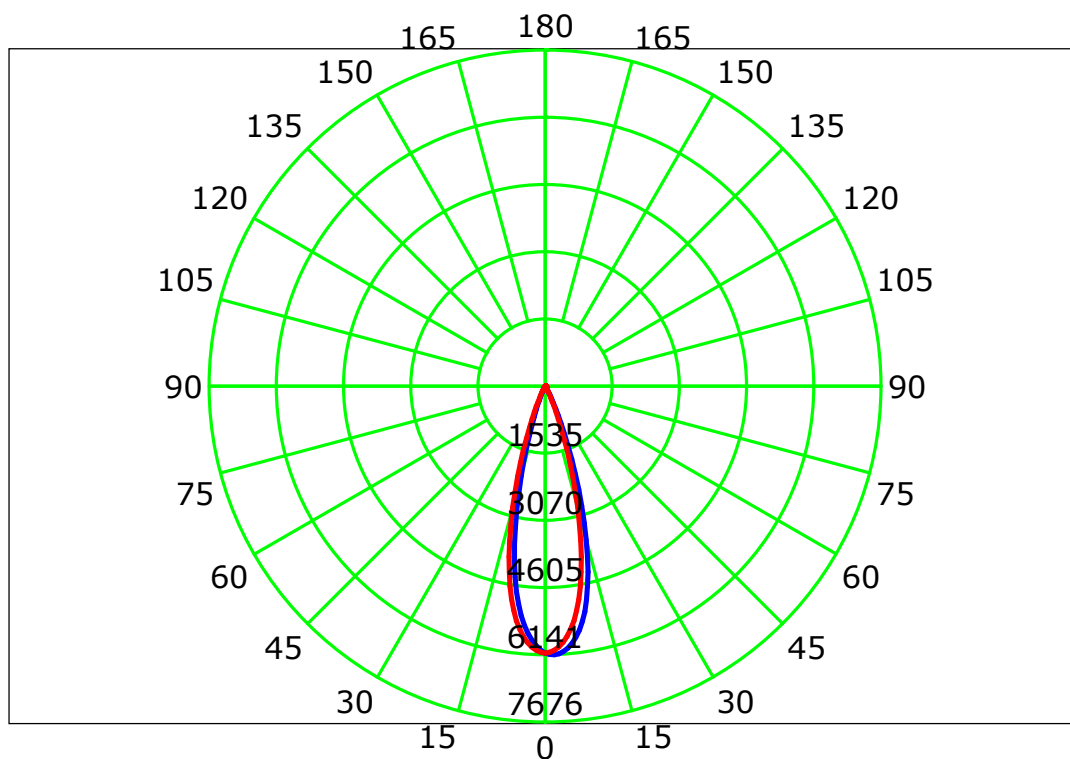
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

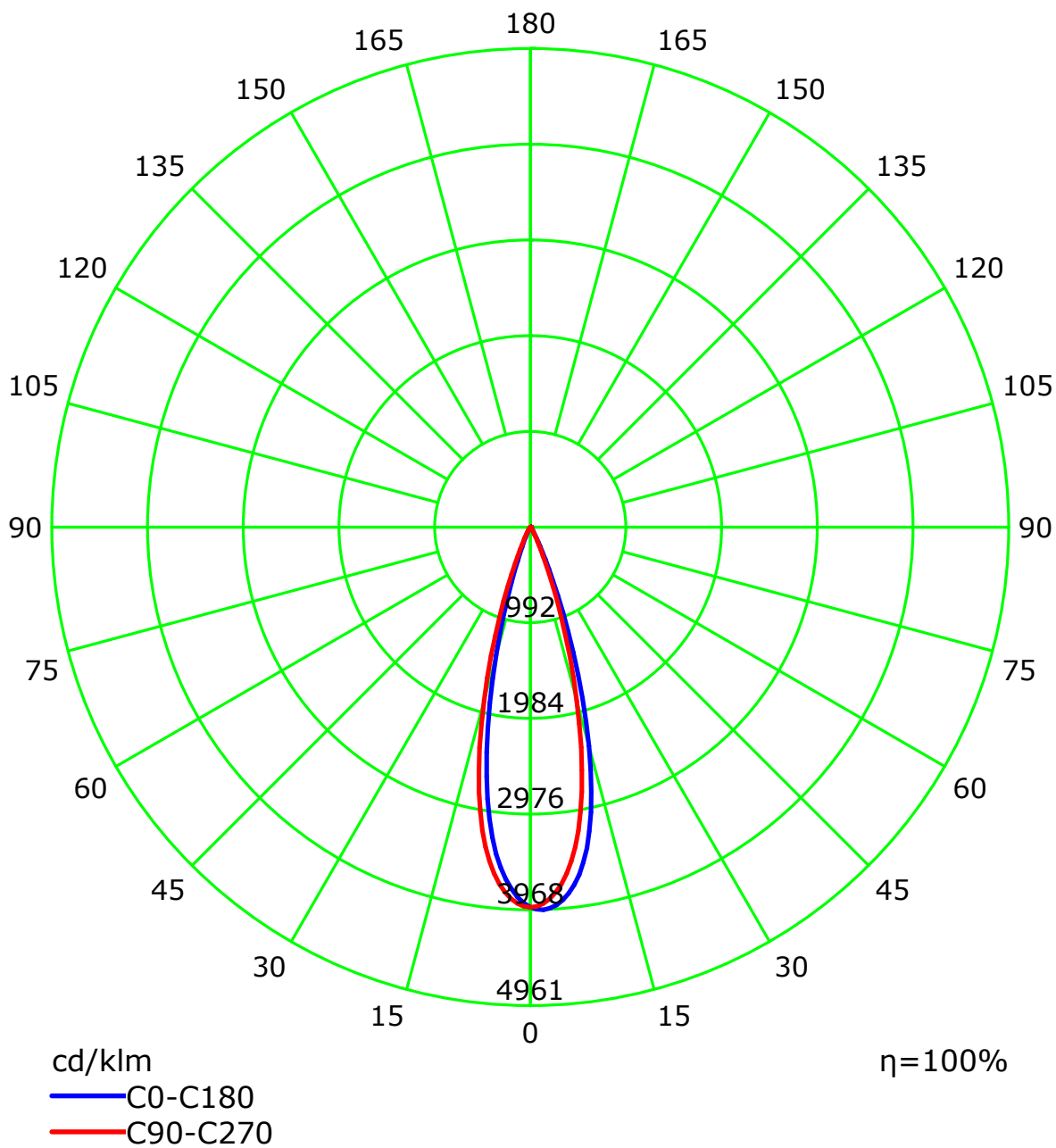
Luminous Intensity Distribution Curve



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: 2.905 m
Humidity:
Inspector:

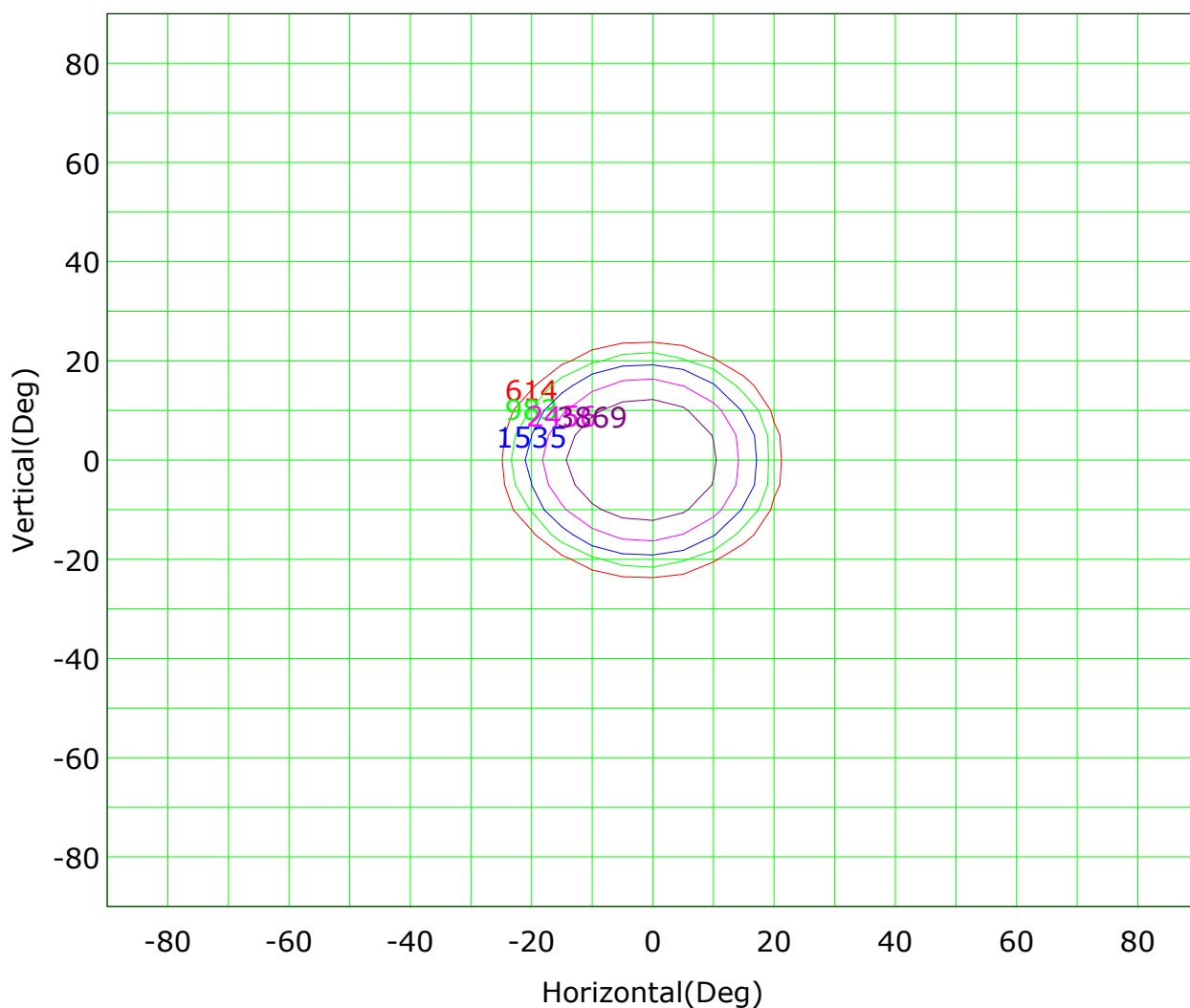
Luminous Intensity Distribution Curve(cd/klm)



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: 2.905 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 6141 cd

(10%): 614 cd	(16%): 983 cd
(25%): 1535 cd	(40%): 2456 cd
(63%): 3869 cd	(100%): 6141 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

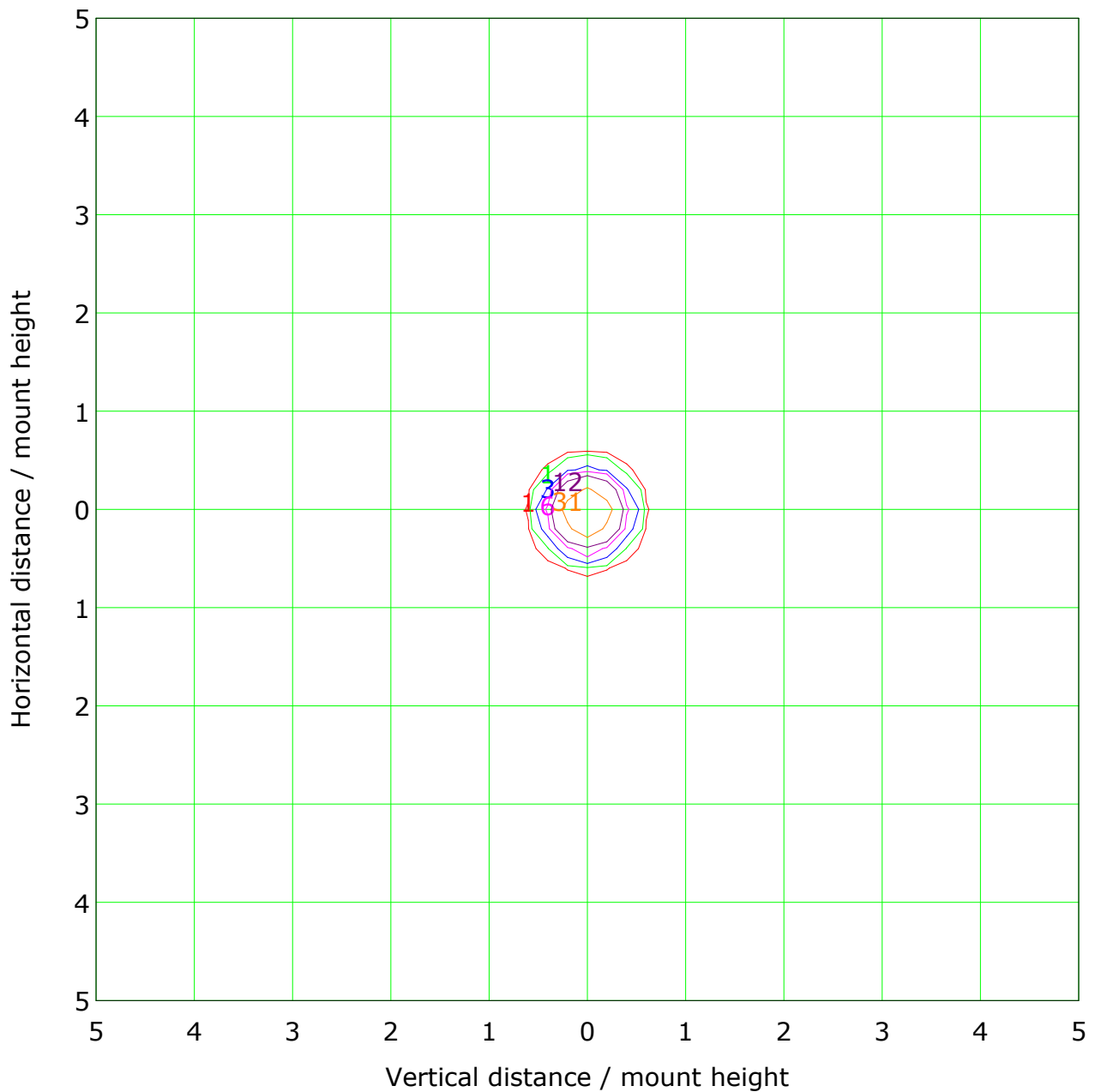
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



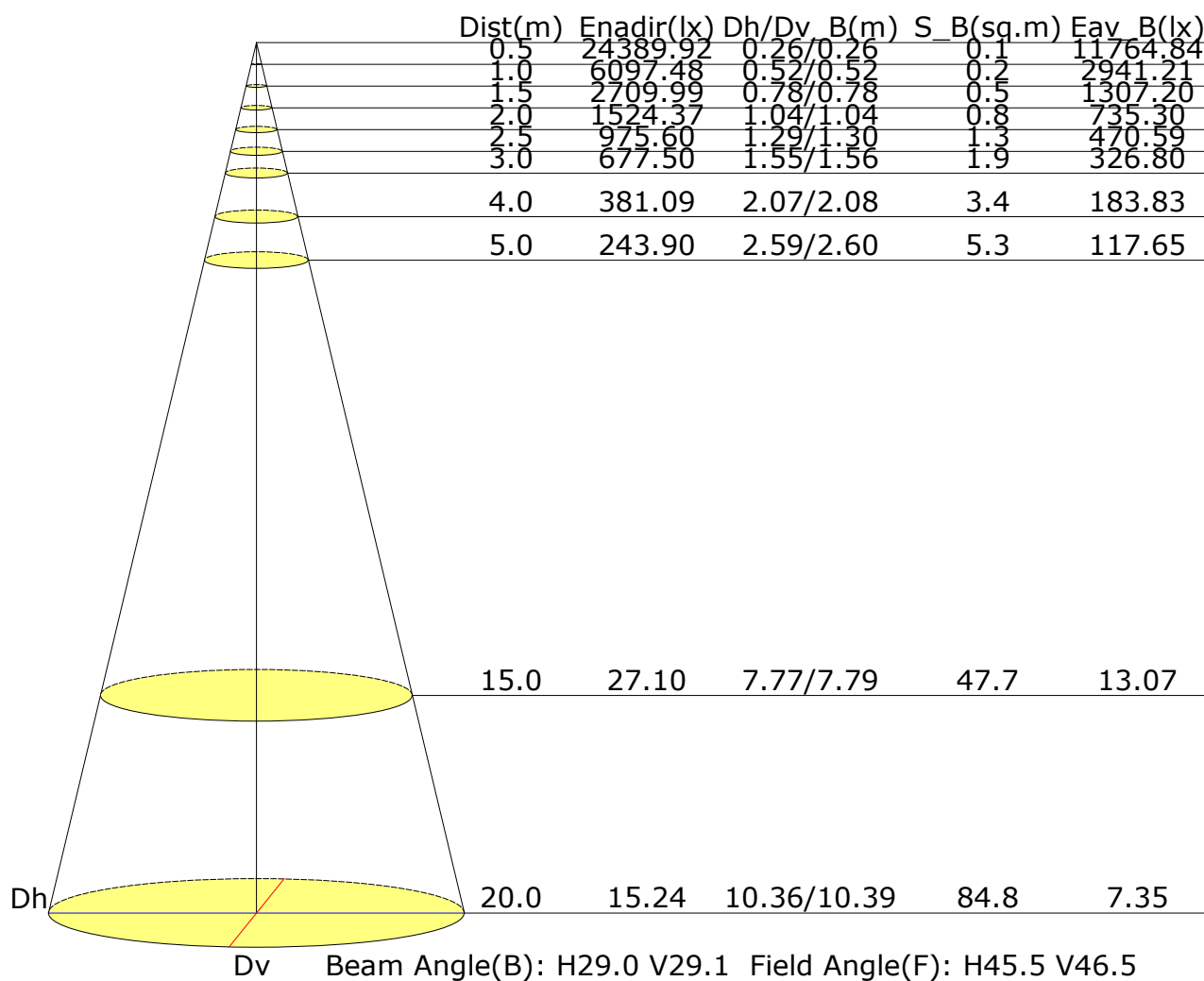
Mounting Height: 10.0m Max Lux(100%): 61.3 lx

(1%): 0.6 lx	(2%): 1.2 lx
(5%): 3.1 lx	(10%): 6.1 lx
(20%): 12.3 lx	(50%): 30.6 lx
(100%): 61.3 lx	

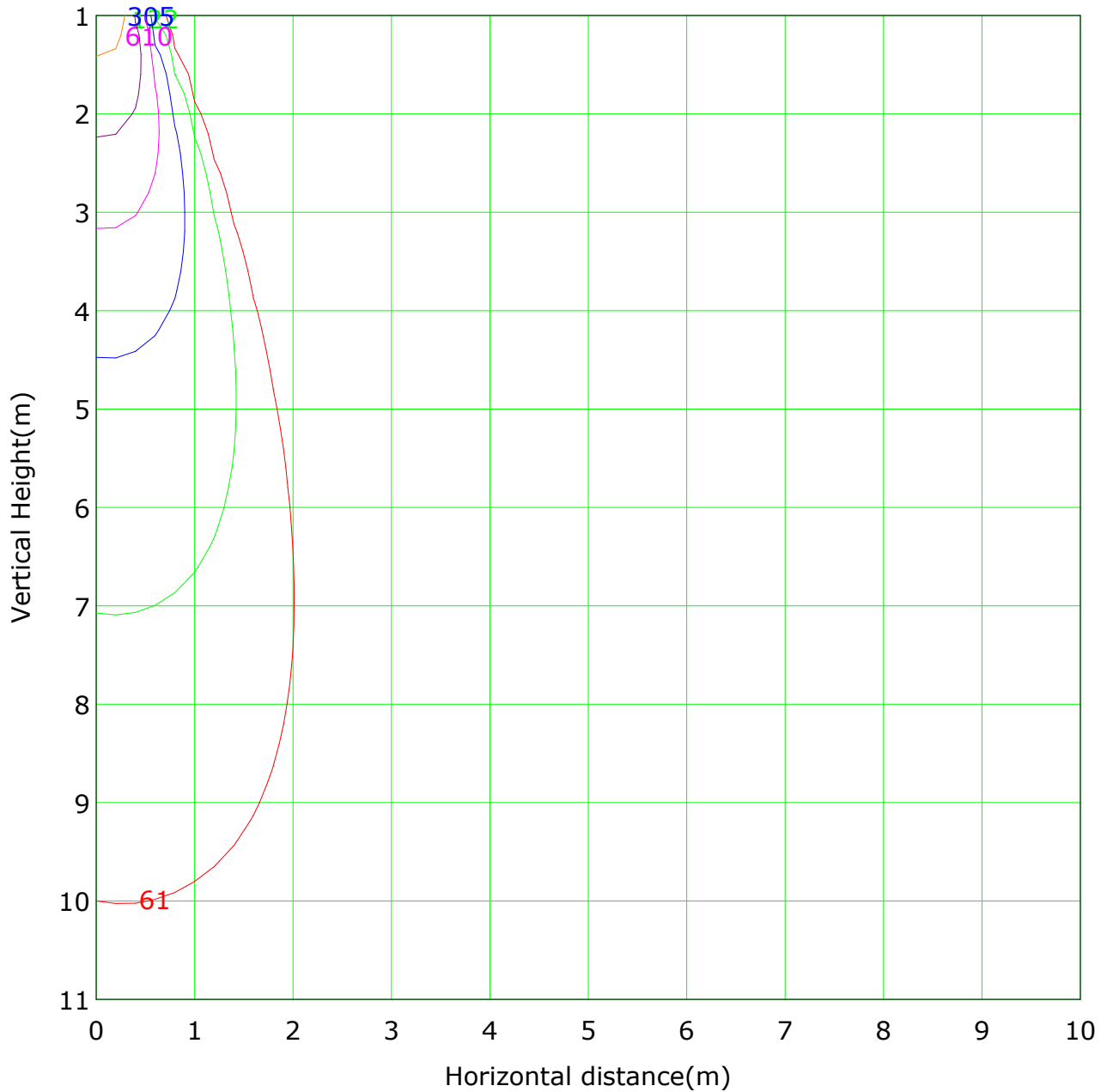
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



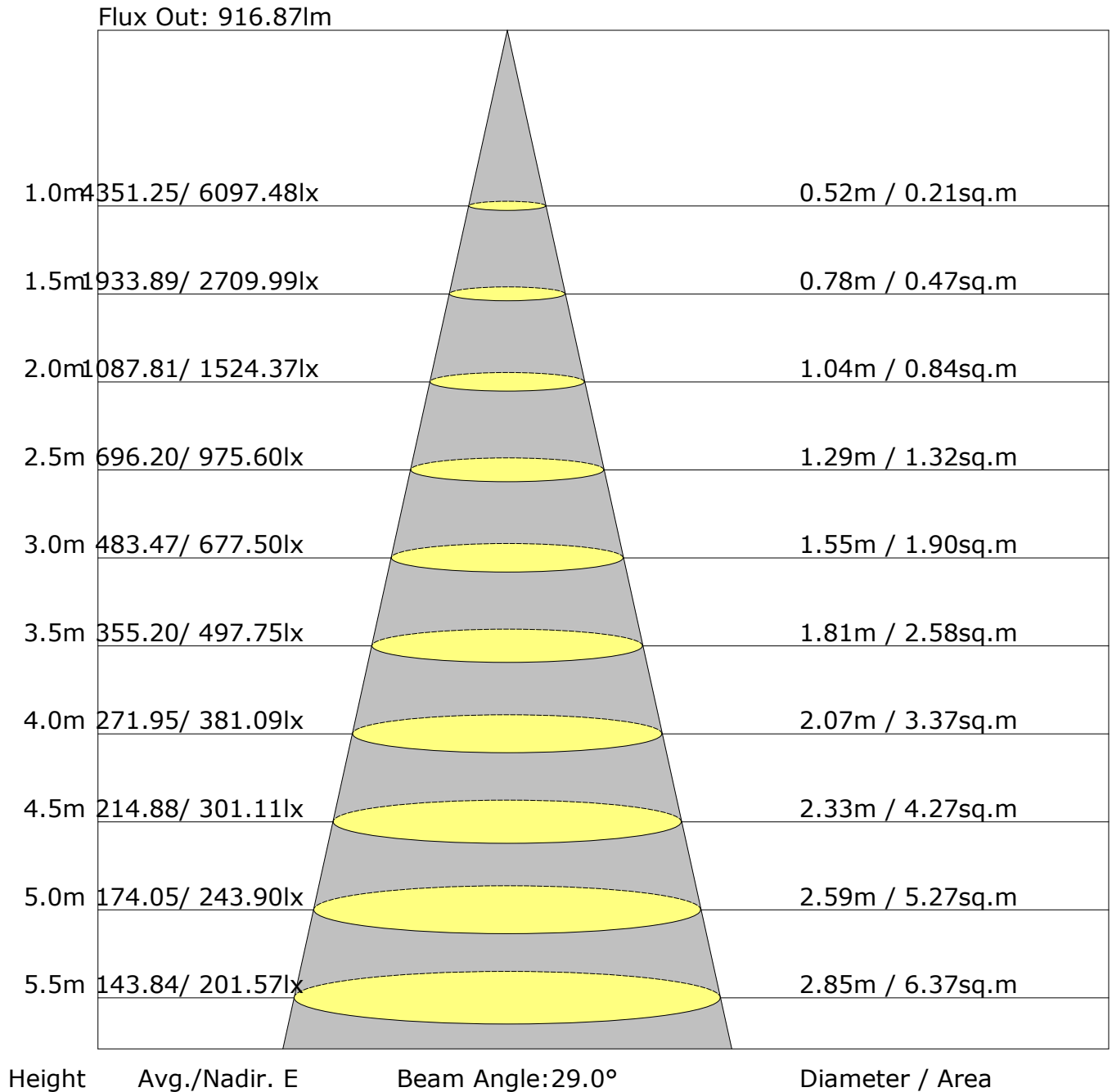
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 6097.5 lx
— (1%): 61.0 lx — (2%): 121.9 lx
— (5%): 304.9 lx — (10%): 609.7 lx
— (20%): 1219.5 lx — (50%): 3048.7 lx
— (100%): 6097.5 lx

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: 2.905 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



UGR Table

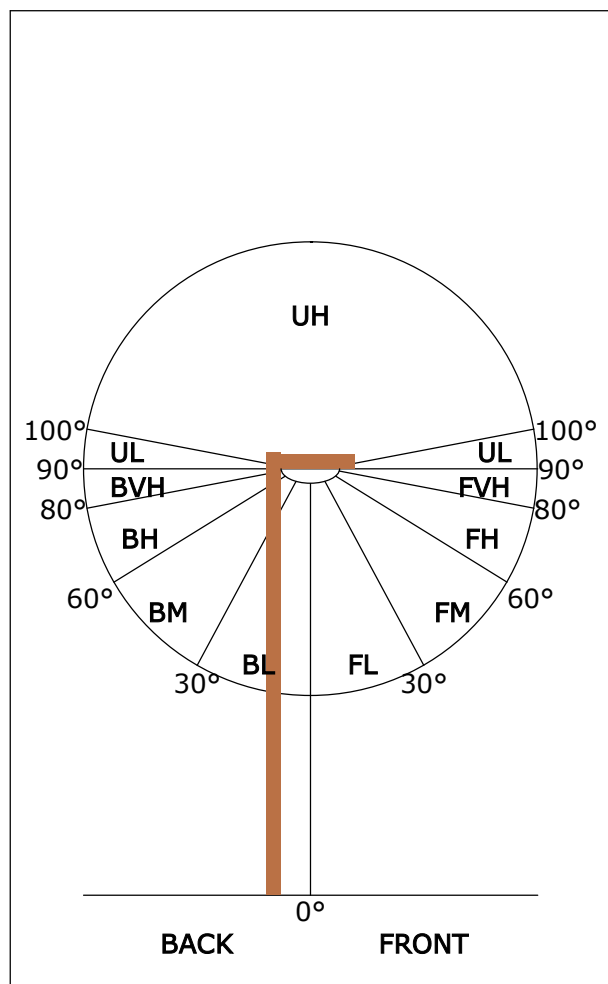
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	7.9	8.5	8.2	8.7	8.9	6.8	7.4	7.0	7.5	7.7
3H	7.8	8.3	8.1	8.5	8.8	6.6	7.2	6.9	7.4	7.6
4H	7.7	8.2	8.0	8.5	8.7	6.6	7.1	6.8	7.3	7.6
6H	7.6	8.1	7.9	8.4	8.7	6.5	7.0	6.8	7.2	7.5
8H	7.6	8.0	7.9	8.3	8.6	6.4	6.9	6.8	7.2	7.5
12H	7.5	8.0	7.9	8.3	8.6	6.4	6.8	6.7	7.1	7.5
X=4H Y=2H	7.7	8.2	8.0	8.5	8.7	6.6	7.1	6.8	7.3	7.6
3H	7.5	8.0	7.9	8.3	8.6	6.4	6.8	6.7	7.1	7.5
4H	7.5	7.9	7.8	8.2	8.5	6.3	6.7	6.7	7.0	7.4
6H	7.4	7.7	7.8	8.1	8.5	6.2	6.6	6.6	6.9	7.3
8H	7.3	7.6	7.7	8.0	8.4	6.2	6.5	6.6	6.9	7.3
12H	7.3	7.6	7.7	8.0	8.4	6.1	6.4	6.6	6.8	7.2
X=8H Y=4H	7.3	7.6	7.7	8.0	8.4	6.2	6.5	6.6	6.9	7.3
6H	7.2	7.5	7.7	7.9	8.4	6.1	6.3	6.5	6.8	7.2
8H	7.2	7.4	7.6	7.8	8.3	6.0	6.2	6.5	6.7	7.2
12H	7.1	7.3	7.6	7.8	8.3	6.0	6.2	6.5	6.6	7.1
X=12H Y=4H	7.3	7.6	7.7	8.0	8.4	6.1	6.4	6.6	6.8	7.2
6H	7.2	7.4	7.6	7.8	8.3	6.0	6.2	6.5	6.7	7.2
8H	7.1	7.3	7.6	7.8	8.3	6.0	6.2	6.5	6.6	7.1
Variations with the observer position at spacings:										
S=1.0H	+5.5/-1.\$					+5.3/-1.\$				
S=1.5H	+8.3/-1.\$					+8.1/-1.\$				
S=2.0H	+10.3/-1.\$					+10.1/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with $1547lm$ ($8\log(F/F_0) = 1.5$).

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: 2.905 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	857	55.4
FL (0°-30°)	830	53.6
FM (30°-60°)	27	1.8
FH (60°-80°)	0	0.0
FVH (80°-90°)	0	0.0
BACK LIGHT	690	44.6
BL (0°-30°)	670	43.3
BM (30°-60°)	20	1.3
BH (60°-80°)	0	0.0
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: 2.905 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	6090.5	5.8	5.8	0.38	0.38
1.0-2.0	6061.7	17.4	23.2	1.12	1.50
2.0-3.0	6003.7	28.7	51.9	1.86	3.36
3.0-4.0	5918.8	39.6	91.6	2.56	5.92
4.0-5.0	5806.4	50.0	141.5	3.23	9.15
5.0-6.0	5665.3	59.5	201.1	3.85	13.00
6.0-7.0	5493.6	68.2	269.3	4.41	17.40
7.0-8.0	5290.7	75.7	345.0	4.89	22.30
8.0-9.0	5055.8	81.9	427.0	5.30	27.59
9.0-10.0	4786.2	86.6	513.6	5.60	33.19
10.0-11.0	4484.3	89.6	603.2	5.79	38.98
11.0-12.0	4156.7	90.9	694.1	5.87	44.86
12.0-13.0	3807.4	90.4	784.4	5.84	50.70
13.0-14.0	3441.2	88.1	872.5	5.69	56.39
14.0-15.0	3069.1	84.3	956.8	5.45	61.84
15.0-16.0	2699.8	79.1	1035.9	5.11	66.95
16.0-17.0	2339.9	72.9	1108.8	4.71	71.66
17.0-18.0	1999.7	65.9	1174.7	4.26	75.92
18.0-19.0	1683.4	58.6	1233.3	3.79	79.71
19.0-20.0	1395.9	51.1	1284.4	3.30	83.01
20.0-21.0	1139.9	43.8	1328.2	2.83	85.84
21.0-22.0	917.4	36.9	1365.1	2.38	88.22
22.0-23.0	730.2	30.6	1395.7	1.98	90.20
23.0-24.0	575.8	25.2	1420.9	1.63	91.83
24.0-25.0	452.2	20.6	1441.4	1.33	93.16
25.0-26.0	354.6	16.7	1458.2	1.08	94.24
26.0-27.0	279.8	13.7	1471.9	0.88	95.13
27.0-28.0	221.9	11.2	1483.1	0.73	95.85
28.0-29.0	176.9	9.3	1492.4	0.60	96.45
29.0-30.0	143.6	7.8	1500.1	0.50	96.95
30.0-31.0	118.3	6.6	1506.7	0.43	97.38
31.0-32.0	99.4	5.7	1512.4	0.37	97.74
32.0-33.0	84.6	5.0	1517.4	0.32	98.07
33.0-34.0	72.0	4.4	1521.7	0.28	98.35
34.0-35.0	60.7	3.8	1525.5	0.24	98.59
35.0-36.0	51.6	3.3	1528.8	0.21	98.80

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: 2.905 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	44.2	2.9	1531.7	0.19	98.99
37.0-38.0	39.0	2.6	1534.3	0.17	99.16
38.0-39.0	34.1	2.3	1536.6	0.15	99.31
39.0-40.0	29.1	2.0	1538.6	0.13	99.44
40.0-41.0	25.3	1.8	1540.4	0.12	99.56
41.0-42.0	21.4	1.6	1542.0	0.10	99.66
42.0-43.0	17.9	1.3	1543.3	0.09	99.74
43.0-44.0	14.4	1.1	1544.4	0.07	99.81
44.0-45.0	11.6	0.9	1545.3	0.06	99.87
45.0-46.0	8.8	0.7	1546.0	0.04	99.92
46.0-47.0	6.0	0.5	1546.5	0.03	99.95
47.0-48.0	4.2	0.3	1546.8	0.02	99.97
48.0-49.0	3.2	0.3	1547.1	0.02	99.98
49.0-50.0	2.1	0.2	1547.2	0.01	100.00
50.0-51.0	0.7	0.1	1547.3	0.00	100.00
51.0-52.0	0.0	0.0	1547.3	0.00	100.00
52.0-53.0	0.0	0.0	1547.3	0.00	100.00
53.0-54.0	0.0	0.0	1547.3	0.00	100.00
54.0-55.0	0.0	0.0	1547.3	0.00	100.00
55.0-56.0	0.0	0.0	1547.3	0.00	100.00
56.0-57.0	0.0	0.0	1547.3	0.00	100.00
57.0-58.0	0.0	0.0	1547.3	0.00	100.00
58.0-59.0	0.0	0.0	1547.3	0.00	100.00
59.0-60.0	0.0	0.0	1547.3	0.00	100.00
60.0-61.0	0.0	0.0	1547.3	0.00	100.00
61.0-62.0	0.0	0.0	1547.3	0.00	100.00
62.0-63.0	0.0	0.0	1547.3	0.00	100.00
63.0-64.0	0.0	0.0	1547.3	0.00	100.00
64.0-65.0	0.0	0.0	1547.3	0.00	100.00
65.0-66.0	0.0	0.0	1547.3	0.00	100.00
66.0-67.0	0.0	0.0	1547.3	0.00	100.00
67.0-68.0	0.0	0.0	1547.3	0.00	100.00
68.0-69.0	0.0	0.0	1547.3	0.00	100.00
69.0-70.0	0.0	0.0	1547.3	0.00	100.00
70.0-71.0	0.0	0.0	1547.3	0.00	100.00
71.0-72.0	0.0	0.0	1547.3	0.00	100.00

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

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	6097.5	6097.5								
G1.0	6131.2	6035.7								
G2.0	6141.0	5938.8								
G3.0	6121.4	5813.8								
G4.0	6076.4	5663.6								
G5.0	6003.4	5482.4								
G6.0	5903.7	5271.8								
G7.0	5781.5	5017.6								
G8.0	5631.3	4732.5								
G9.0	5445.9	4413.7								
G10.0	5226.8	4058.4								
G11.0	4968.4	3683.5								
G12.0	4676.3	3298.7								
G13.0	4357.5	2897.1								
G14.0	4006.5	2503.9								
G15.0	3635.7	2130.3								
G16.0	3253.8	1779.3								
G17.0	2864.8	1461.9								
G18.0	2489.8	1182.4								
G19.0	2123.3	938.1								
G20.0	1780.7	741.5								
G21.0	1463.3	574.4								
G22.0	1182.4	449.4								
G23.0	938.1	351.1								
G24.0	738.7	275.2								
G25.0	577.2	217.7								
G26.0	446.6	176.9								
G27.0	348.3	147.4								
G28.0	269.6	122.2								
G29.0	213.4	102.5								
G30.0	171.3	87.1								
G31.0	141.8	73.0								
G32.0	120.8	61.8								
G33.0	99.7	56.2								
G34.0	82.8	49.2								
G35.0	70.2	40.7								
G36.0	59.0	36.5								

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

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	52.0	29.5								
G38.0	46.3	28.1								
G39.0	39.3	22.5								
G40.0	33.7	21.1								
G41.0	29.5	16.9								
G42.0	26.7	12.6								
G43.0	22.5	9.8								
G44.0	18.3	7.0								
G45.0	16.9	4.2								
G46.0	11.2	2.8								
G47.0	9.8	0.0								
G48.0	7.0	0.0								
G49.0	5.6	0.0								
G50.0	2.8	0.0								
G51.0	0.0	0.0								
G52.0	0.0	0.0								
G53.0	0.0	0.0								
G54.0	0.0	0.0								
G55.0	0.0	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
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: 2.905 m
Humidity:
Inspector:

Unit: cd

[illegible]

Inspector: