

Report No.:

Test Time: 2026-09-10 16:10

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 60D

Luminous Width (mm): -50

Current: 0.065 A

Power Factor: 0.944

Luminous Length (mm): -50

Voltage: 227.7 V

Power: 14.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1488.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H53.3

Vertical Diffuse Angle(50%): V53.3

Luminaire Efficacy Rating (LER): 105.63

Max. Intensity: 2030.65 cd

S/MH(C0/C180): 0.86

Total Rated Lamp Lumens: 1488.7 lm

Efficiency: 100%

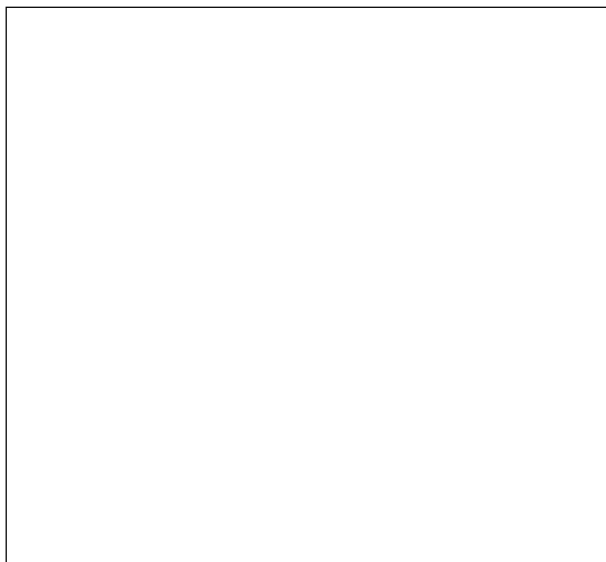
Upward Ratio: 0%

Central Intensity: 2014.73 cd

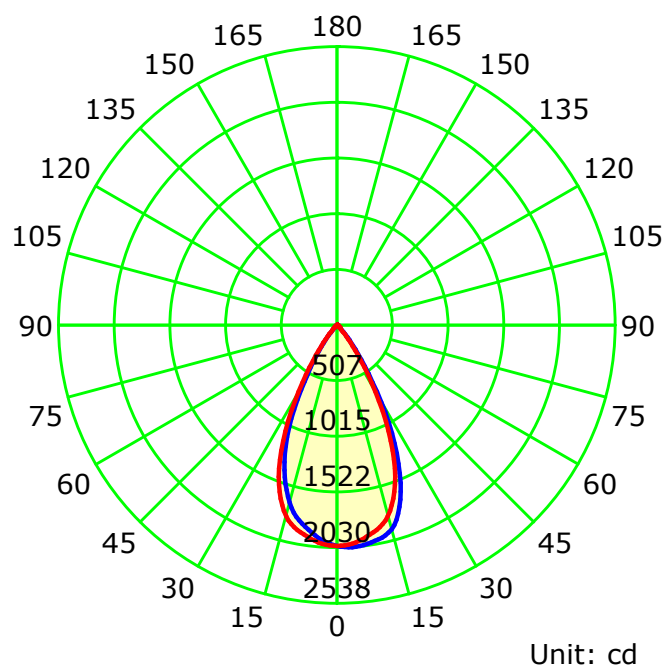
Pos of Max. Intensity: H0 V4

S/MH(C90/C270): 0.86

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

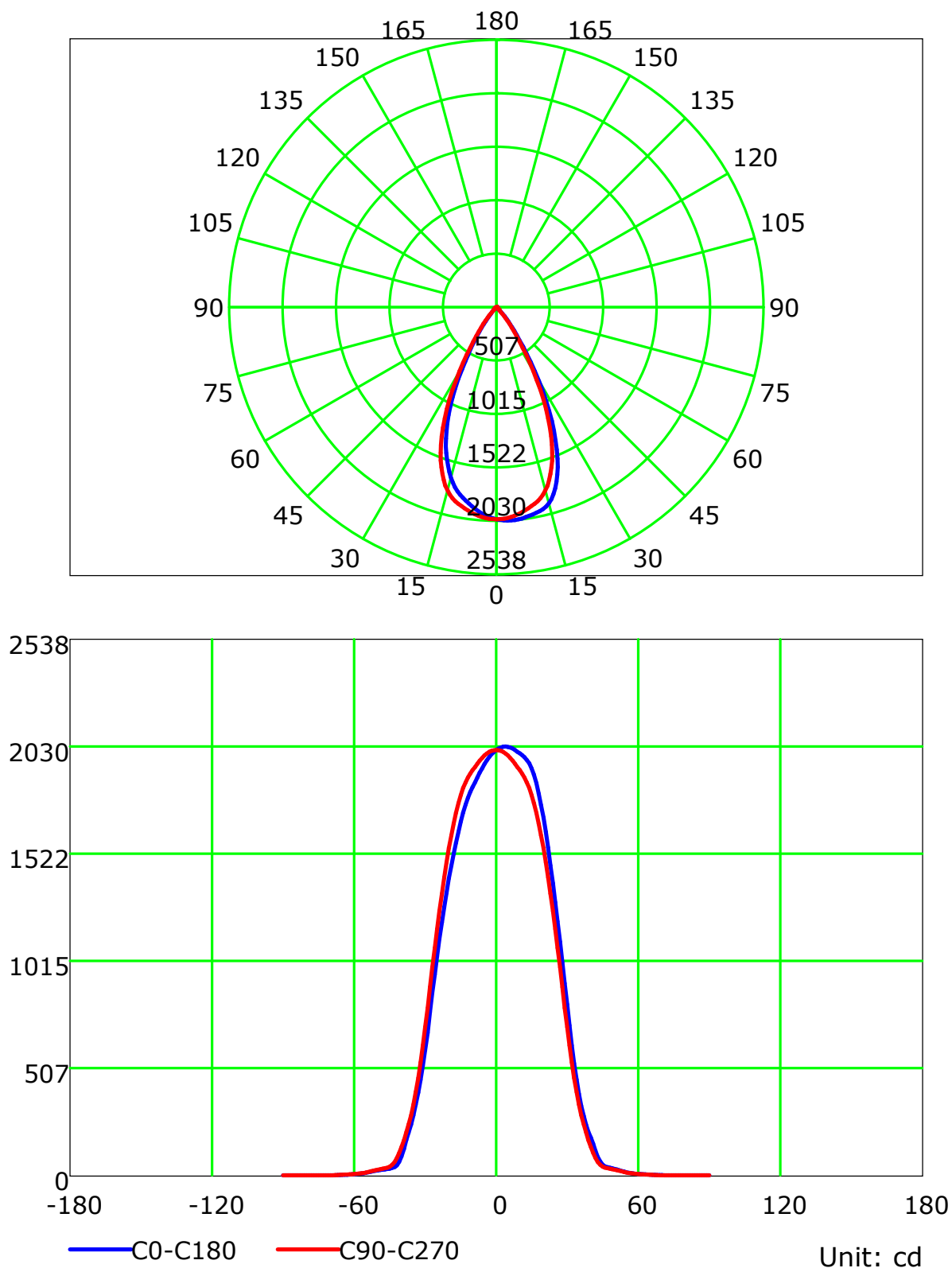
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

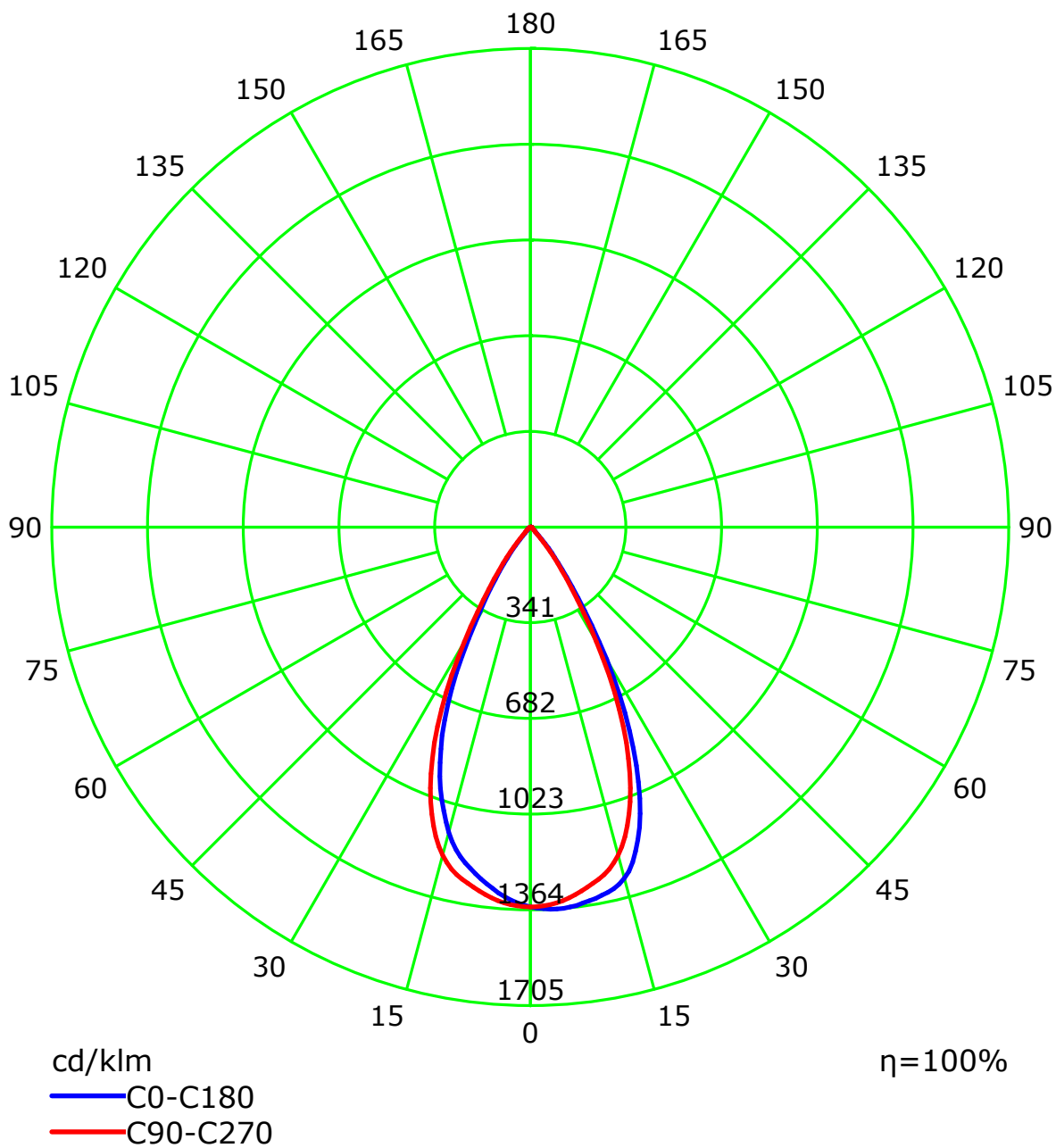
Luminous Intensity Distribution Curve



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:

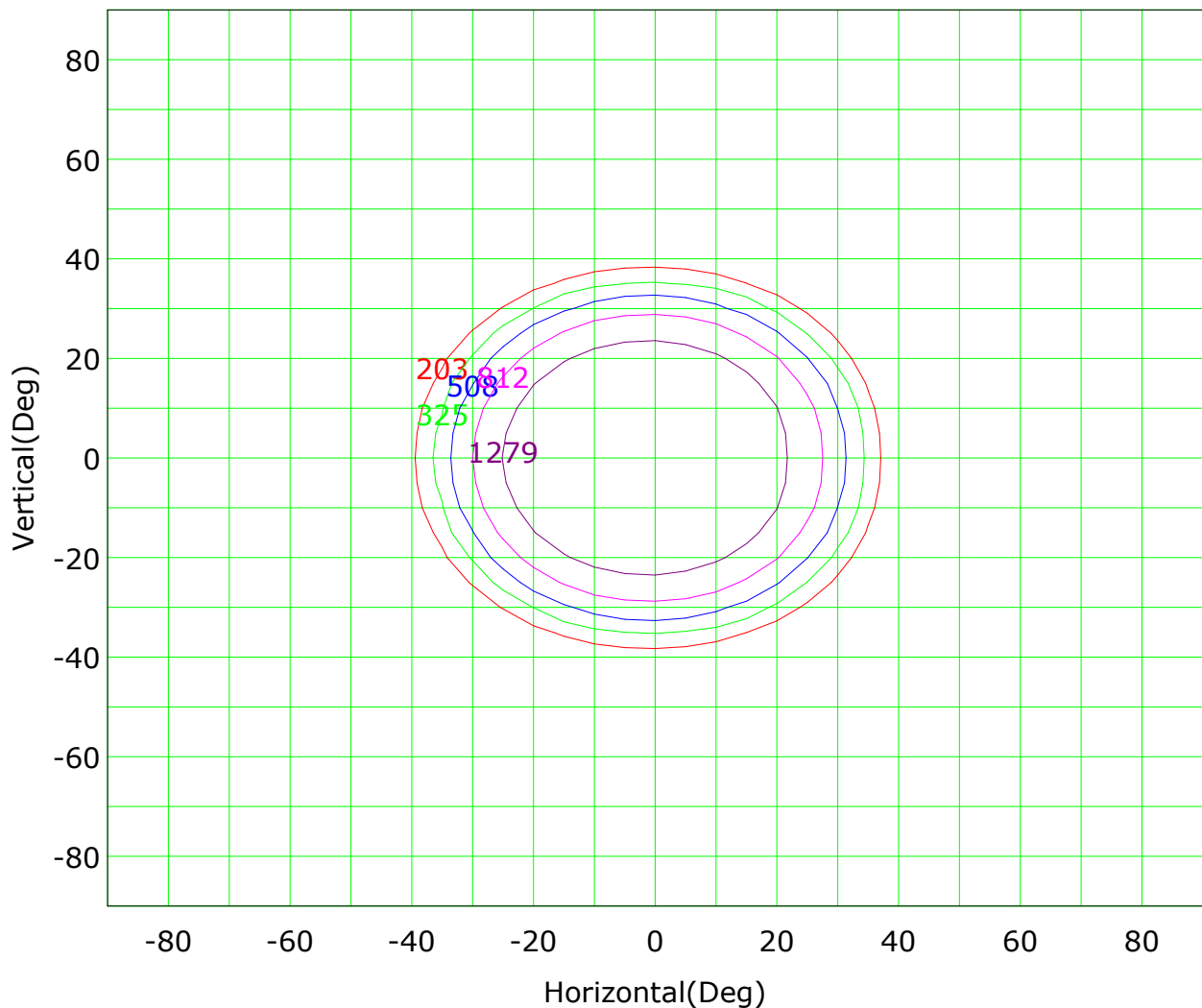
Luminous Intensity Distribution Curve(cd/klm)



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%): 2031 cd

(10%): 203 cd	(16%): 325 cd
(25%): 508 cd	(40%): 812 cd
(63%): 1279 cd	(100%): 2031 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

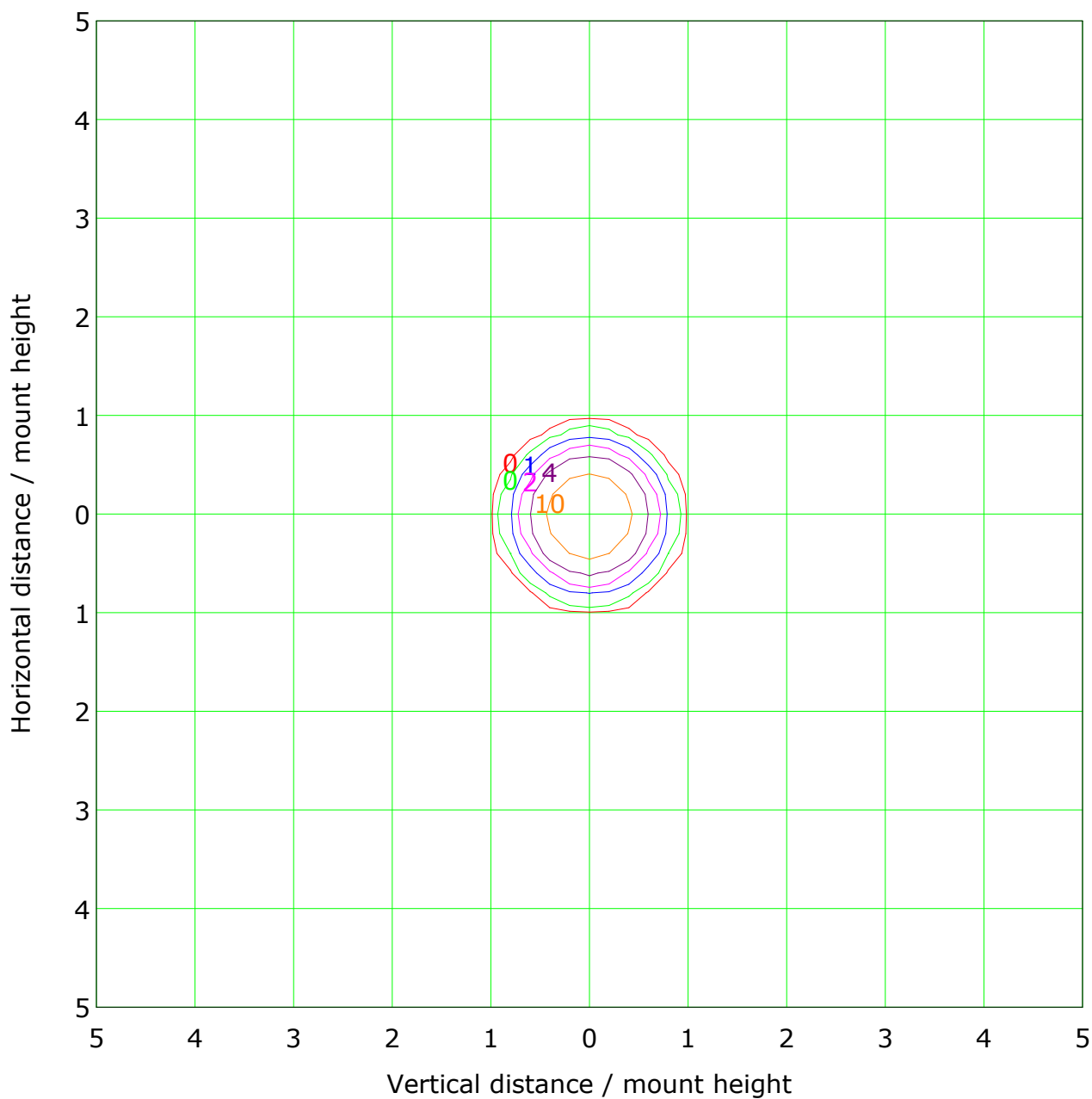
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



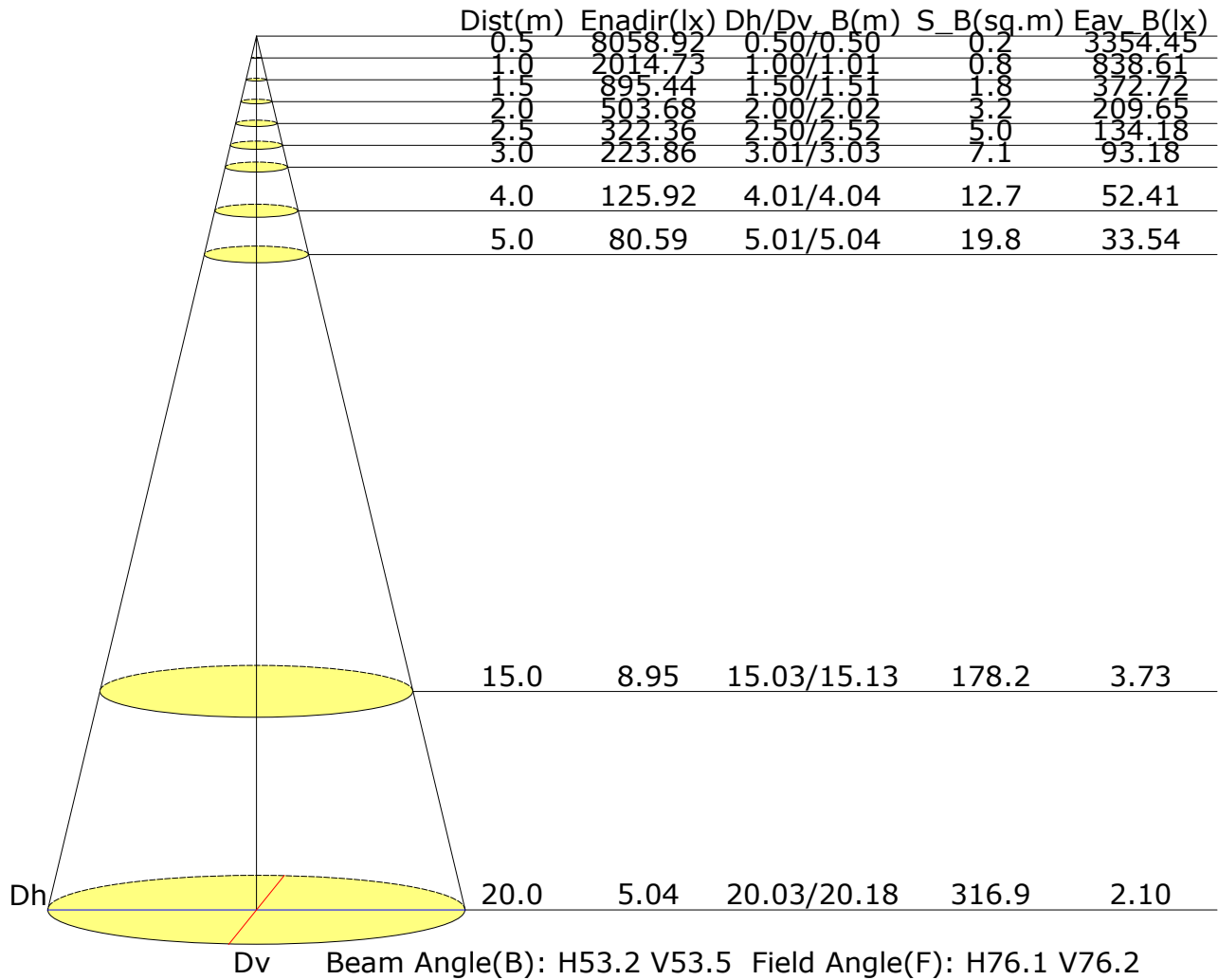
Mounting Height: 10.0m Max Lux(100%): 20.2 lx

(1%): 0.2 lx	(2%): 0.4 lx
(5%): 1.0 lx	(10%): 2.0 lx
(20%): 4.0 lx	(50%): 10.1 lx
(100%): 20.2 lx	

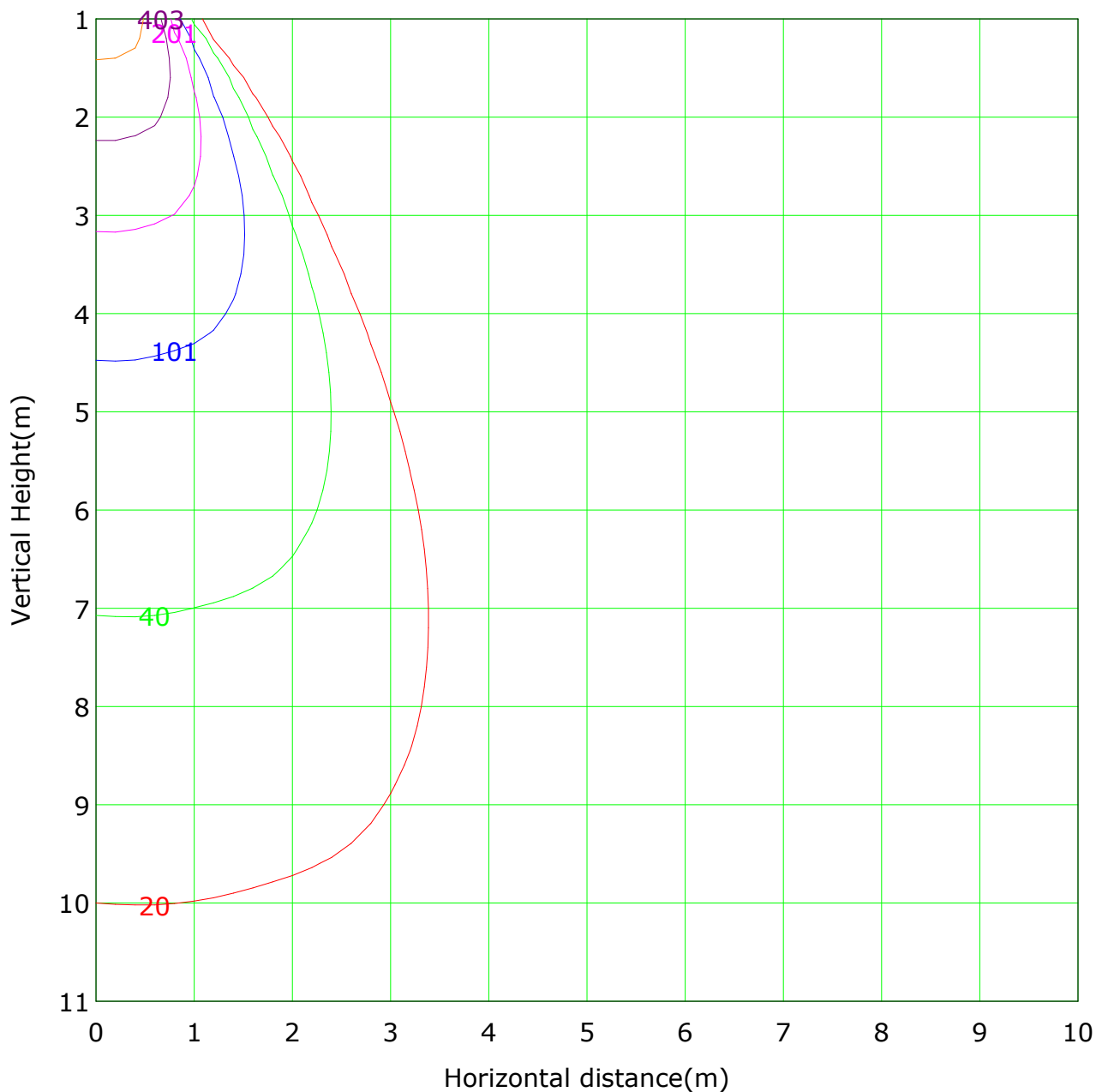
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



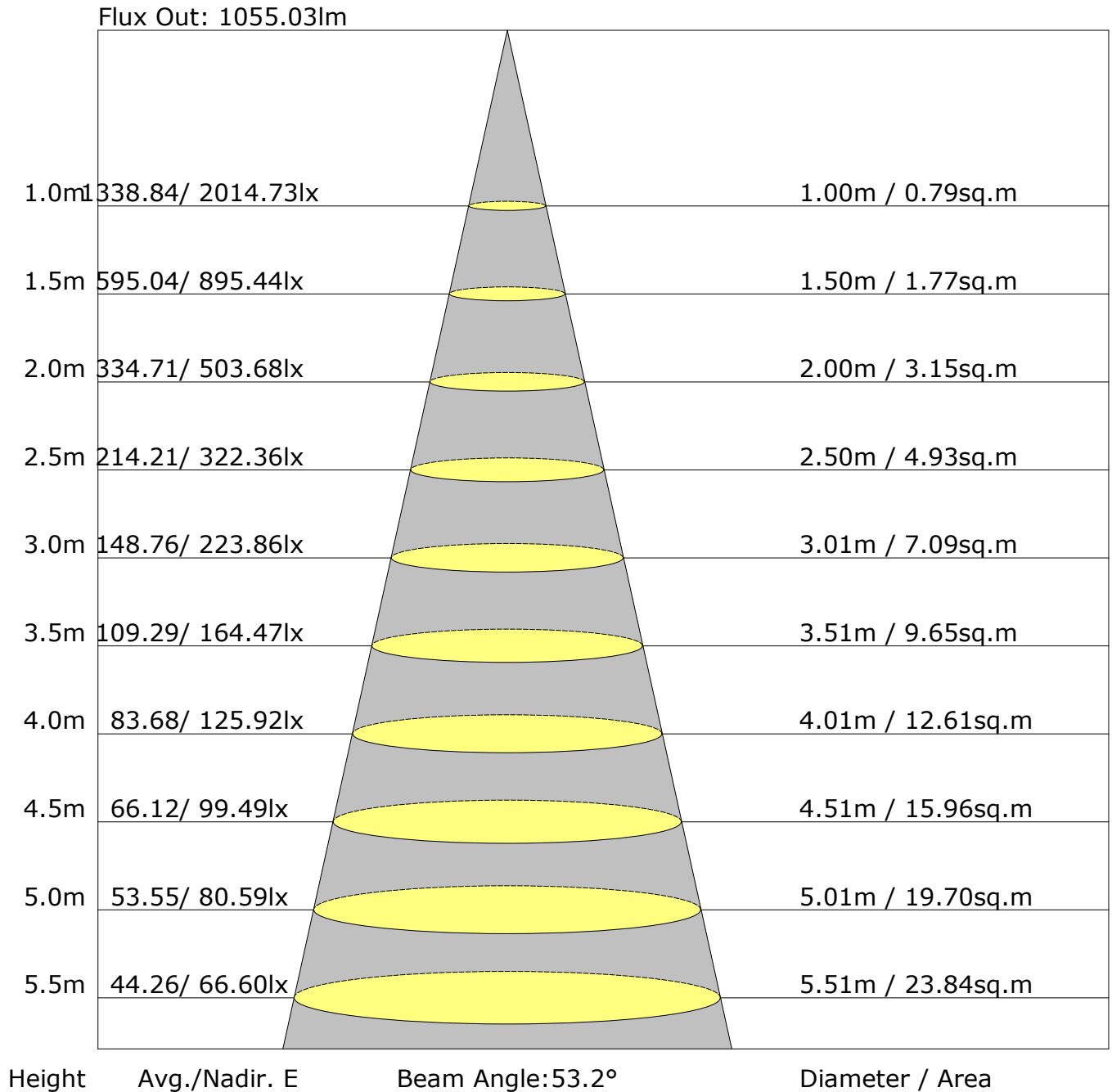
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2014.7 lx
— (1%): 20.1 lx — (2%): 40.3 lx
— (5%): 100.7 lx — (10%): 201.5 lx
— (20%): 402.9 lx — (50%): 1007.4 lx
— (100%): 2014.7 lx

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



UGR Table

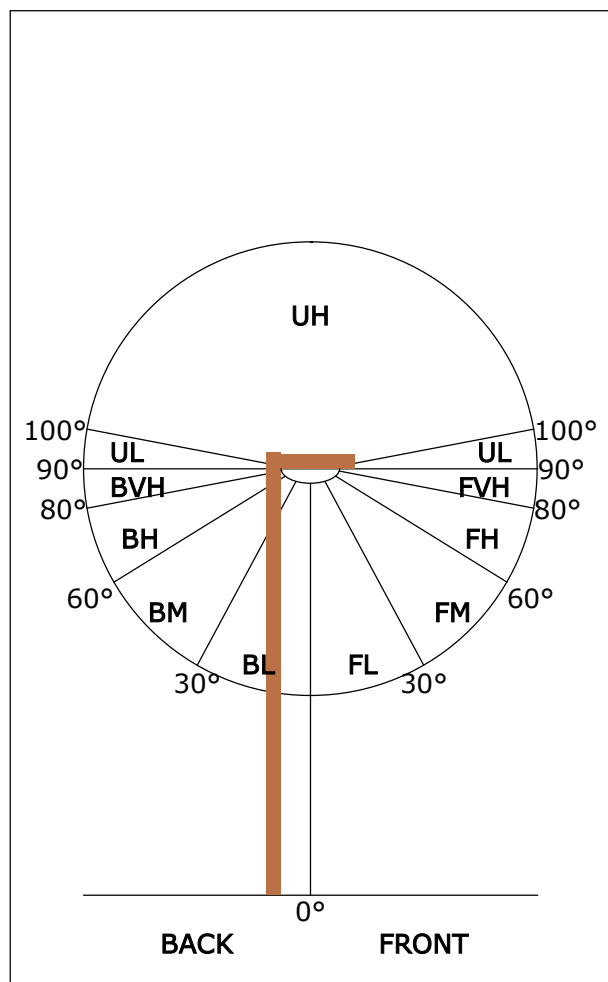
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	21.7	22.5	22.0	22.7	22.9	21.0	21.8	21.3	22.0	22.2
3H	21.6	22.3	21.9	22.5	22.8	20.9	21.6	21.2	21.8	22.1
4H	21.5	22.2	21.8	22.4	22.7	20.8	21.5	21.1	21.7	22.0
6H	21.4	22.1	21.8	22.3	22.6	20.7	21.4	21.1	21.6	21.9
8H	21.4	22.0	21.7	22.3	22.6	20.7	21.3	21.0	21.6	21.9
12H	21.3	21.9	21.7	22.2	22.6	20.7	21.2	21.0	21.5	21.9
X=4H Y=2H	21.5	22.2	21.8	22.4	22.7	20.8	21.5	21.1	21.8	22.0
3H	21.4	21.9	21.7	22.3	22.6	20.7	21.3	21.0	21.6	21.9
4H	21.3	21.8	21.7	22.1	22.5	20.6	21.1	21.0	21.4	21.8
6H	21.2	21.7	21.6	22.0	22.4	20.5	21.0	20.9	21.3	21.7
8H	21.2	21.6	21.6	22.0	22.4	20.5	20.9	20.9	21.3	21.7
12H	21.1	21.5	21.5	21.9	22.3	20.4	20.8	20.9	21.2	21.6
X=8H Y=4H	21.2	21.6	21.6	22.0	22.4	20.5	20.9	20.9	21.3	21.7
6H	21.1	21.4	21.5	21.8	22.3	20.4	20.7	20.8	21.1	21.6
8H	21.0	21.3	21.5	21.8	22.2	20.3	20.6	20.8	21.1	21.5
12H	21.0	21.2	21.5	21.7	22.2	20.3	20.5	20.8	21.0	21.5
X=12H Y=4H	21.1	21.5	21.5	21.9	22.3	20.4	20.8	20.9	21.2	21.6
6H	21.0	21.3	21.5	21.8	22.2	20.3	20.6	20.8	21.1	21.5
8H	21.0	21.2	21.5	21.7	22.2	20.3	20.5	20.8	21.0	21.5
Variations with the observer position at spacings:										
S=1.0H	+5.5/-10.4					+5.4/-10.2				
S=1.5H	+8.3/-14.2					+8.2/-14.1				
S=2.0H	+10.3/-18.6					+10.2/-19.0				

Calculate in accordance with CIE Pub.117. The table is revised with 1489lm ($8\log(F/F_0) = 1.4$).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	782	52.5
FL (0°-30°)	628	42.2
FM (30°-60°)	152	10.2
FH (60°-80°)	2	0.1
FVH (80°-90°)	0	0.0
BACK LIGHT	707	47.5
BL (0°-30°)	578	38.9
BM (30°-60°)	127	8.5
BH (60°-80°)	2	0.1
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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2013.8	1.9	1.9	0.13	0.13
1.0-2.0	2011.5	5.8	7.7	0.39	0.52
2.0-3.0	2007.9	9.6	17.3	0.65	1.16
3.0-4.0	2001.9	13.4	30.7	0.90	2.06
4.0-5.0	1993.4	17.2	47.9	1.15	3.21
5.0-6.0	1982.7	20.8	68.7	1.40	4.61
6.0-7.0	1970.5	24.5	93.2	1.64	6.26
7.0-8.0	1956.7	28.0	121.2	1.88	8.14
8.0-9.0	1941.5	31.5	152.6	2.11	10.25
9.0-10.0	1926.2	34.9	187.5	2.34	12.59
10.0-11.0	1910.5	38.2	225.7	2.56	15.16
11.0-12.0	1893.2	41.4	267.1	2.78	17.94
12.0-13.0	1872.9	44.5	311.5	2.99	20.93
13.0-14.0	1848.2	47.3	358.8	3.18	24.10
14.0-15.0	1818.0	49.9	408.8	3.35	27.46
15.0-16.0	1782.2	52.2	461.0	3.51	30.97
16.0-17.0	1739.6	54.2	515.2	3.64	34.60
17.0-18.0	1691.0	55.8	570.9	3.75	38.35
18.0-19.0	1637.8	57.0	627.9	3.83	42.18
19.0-20.0	1580.3	57.8	685.8	3.89	46.06
20.0-21.0	1516.8	58.3	744.0	3.91	49.98
21.0-22.0	1447.1	58.2	802.2	3.91	53.88
22.0-23.0	1372.5	57.6	859.8	3.87	57.75
23.0-24.0	1293.0	56.5	916.3	3.80	61.55
24.0-25.0	1209.2	55.0	971.3	3.69	65.24
25.0-26.0	1121.7	53.0	1024.3	3.56	68.80
26.0-27.0	1031.7	50.5	1074.7	3.39	72.19
27.0-28.0	939.0	47.5	1122.3	3.19	75.39
28.0-29.0	842.2	44.1	1166.4	2.96	78.35
29.0-30.0	747.3	40.4	1206.7	2.71	81.06
30.0-31.0	658.7	36.7	1243.4	2.46	83.52
31.0-32.0	575.0	32.9	1276.3	2.21	85.73
32.0-33.0	498.0	29.3	1305.7	1.97	87.70
33.0-34.0	428.3	25.9	1331.6	1.74	89.45
34.0-35.0	365.7	22.7	1354.3	1.53	90.97
35.0-36.0	310.9	19.8	1374.1	1.33	92.30

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	263.8	17.2	1391.3	1.16	93.46
37.0-38.0	223.4	14.9	1406.2	1.00	94.46
38.0-39.0	185.6	12.7	1418.9	0.85	95.31
39.0-40.0	150.6	10.5	1429.4	0.71	96.02
40.0-41.0	120.8	8.6	1438.0	0.58	96.59
41.0-42.0	94.8	6.9	1444.9	0.46	97.06
42.0-43.0	73.1	5.4	1450.3	0.36	97.42
43.0-44.0	57.1	4.3	1454.6	0.29	97.71
44.0-45.0	46.3	3.6	1458.2	0.24	97.95
45.0-46.0	39.4	3.1	1461.3	0.21	98.16
46.0-47.0	35.4	2.8	1464.1	0.19	98.35
47.0-48.0	33.0	2.7	1466.7	0.18	98.52
48.0-49.0	30.9	2.5	1469.3	0.17	98.69
49.0-50.0	28.8	2.4	1471.7	0.16	98.86
50.0-51.0	26.4	2.2	1473.9	0.15	99.01
51.0-52.0	23.9	2.0	1476.0	0.14	99.14
52.0-53.0	21.0	1.8	1477.8	0.12	99.27
53.0-54.0	18.1	1.6	1479.4	0.11	99.37
54.0-55.0	15.4	1.4	1480.8	0.09	99.47
55.0-56.0	12.9	1.2	1481.9	0.08	99.54
56.0-57.0	10.9	1.0	1482.9	0.07	99.61
57.0-58.0	9.2	0.9	1483.8	0.06	99.67
58.0-59.0	8.0	0.7	1484.5	0.05	99.72
59.0-60.0	7.0	0.7	1485.2	0.04	99.76
60.0-61.0	6.2	0.6	1485.8	0.04	99.80
61.0-62.0	5.6	0.5	1486.3	0.04	99.84
62.0-63.0	4.8	0.5	1486.8	0.03	99.87
63.0-64.0	4.1	0.4	1487.2	0.03	99.90
64.0-65.0	3.5	0.3	1487.5	0.02	99.92
65.0-66.0	3.0	0.3	1487.8	0.02	99.94
66.0-67.0	2.4	0.2	1488.1	0.02	99.96
67.0-68.0	1.9	0.2	1488.3	0.01	99.97
68.0-69.0	1.4	0.1	1488.4	0.01	99.98
69.0-70.0	1.1	0.1	1488.5	0.01	99.99
70.0-71.0	0.8	0.1	1488.6	0.01	99.99
71.0-72.0	0.4	0.0	1488.6	0.00	100.00

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	2014.7	2014.7								
G1.0	2021.0	2004.8								
G2.0	2025.4	1994.9								
G3.0	2030.0	1981.3								
G4.0	2030.6	1965.5								
G5.0	2029.3	1948.1								
G6.0	2026.4	1927.1								
G7.0	2021.9	1906.5								
G8.0	2013.8	1884.6								
G9.0	2006.2	1861.3								
G10.0	1999.0	1838.5								
G11.0	1989.8	1814.9								
G12.0	1980.8	1787.3								
G13.0	1967.6	1756.0								
G14.0	1951.1	1718.2								
G15.0	1927.8	1675.1								
G16.0	1898.7	1627.2								
G17.0	1857.8	1574.7								
G18.0	1808.4	1522.9								
G19.0	1753.6	1466.4								
G20.0	1694.6	1406.7								
G21.0	1627.8	1338.2								
G22.0	1552.6	1269.9								
G23.0	1468.7	1198.9								
G24.0	1384.0	1120.3								
G25.0	1293.8	1038.8								
G26.0	1202.5	951.9								
G27.0	1106.8	865.7								
G28.0	1009.1	774.4								
G29.0	909.3	676.2								
G30.0	810.0	593.7								
G31.0	710.8	520.4								
G32.0	616.2	452.7								
G33.0	530.6	392.5								
G34.0	454.3	335.9								
G35.0	386.9	285.7								
G36.0	329.3	241.6								

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	281.2	203.1								
G38.0	240.5	168.8								
G39.0	206.7	126.6								
G40.0	179.0	90.1								
G41.0	150.1	64.0								
G42.0	116.8	48.2								
G43.0	87.7	39.6								
G44.0	66.1	35.1								
G45.0	51.7	32.4								
G46.0	43.2	30.2								
G47.0	39.2	28.8								
G48.0	36.5	27.5								
G49.0	33.9	25.8								
G50.0	31.2	24.0								
G51.0	28.2	22.2								
G52.0	25.1	20.0								
G53.0	21.6	17.4								
G54.0	18.5	15.0								
G55.0	15.6	12.5								
G56.0	13.2	10.5								
G57.0	11.3	8.6								
G58.0	9.6	7.5								
G59.0	8.1	6.6								
G60.0	7.2	6.0								
G61.0	6.6	5.1								
G62.0	6.0	4.5								
G63.0	5.1	3.6								
G64.0	4.5	3.2								
G65.0	3.9	2.5								
G66.0	3.6	2.0								
G67.0	2.7	1.5								
G68.0	2.3	1.0								
G69.0	1.6	0.8								
G70.0	1.4	0.4								
G71.0	1.0	0.2								
G72.0	0.4	0.0								
G73.0	0.4	0.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

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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: