

Report No.:

Test Time: 2026-09-28 14:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 60D

Luminous Length (mm): -56

Voltage: 225.0 V

Power: 13.70 W

Lamp Description: BLX V10A F90 3000K

Luminous Width (mm): -56

Current: 0.064 A

Power Factor: 0.944

Photometric Results

CIE Class: Direct

Measurement Flux: 1247.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H54.2

Vertical Diffuse Angle(50%): V54.2

Luminaire Efficacy Rating (LER): 91.12

Max. Intensity: 1753.64 cd

S/MH(C0/C180): 0.88

Total Rated Lamp Lumens: 1247.7 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1751.08 cd

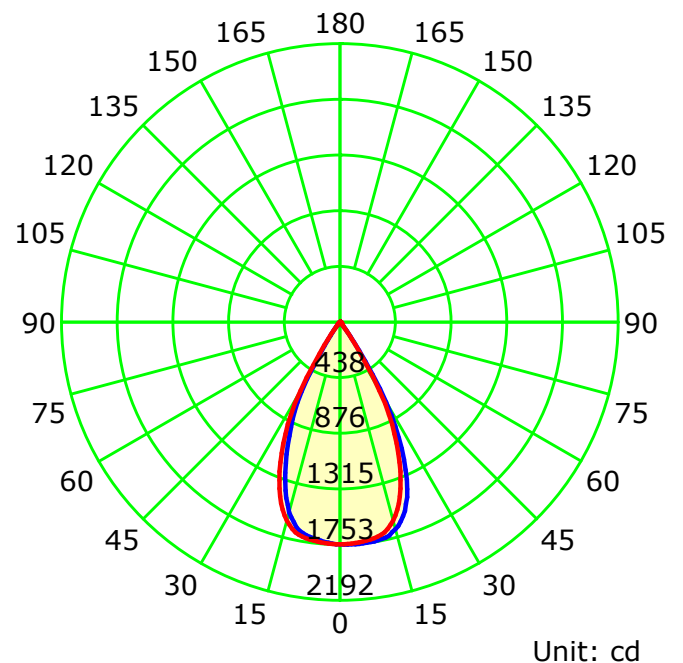
Pos of Max. Intensity: H0 V4

S/MH(C90/C270): 0.88

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

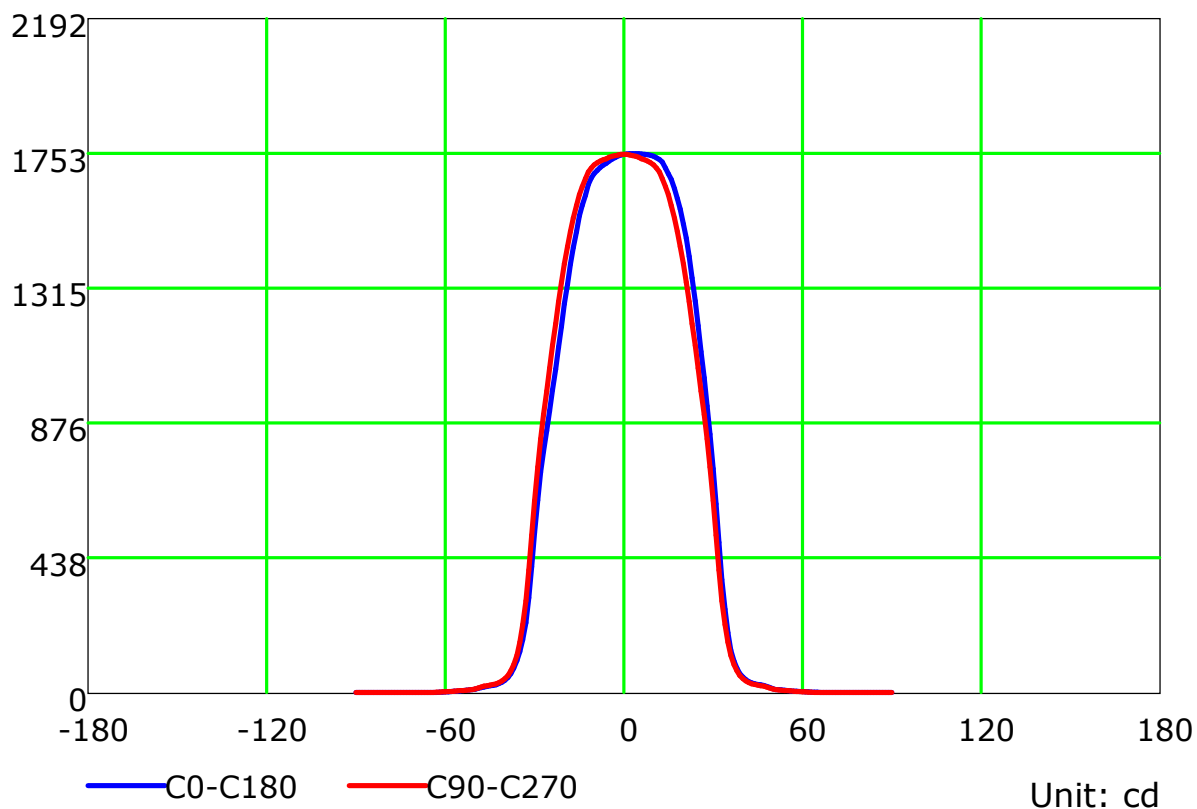
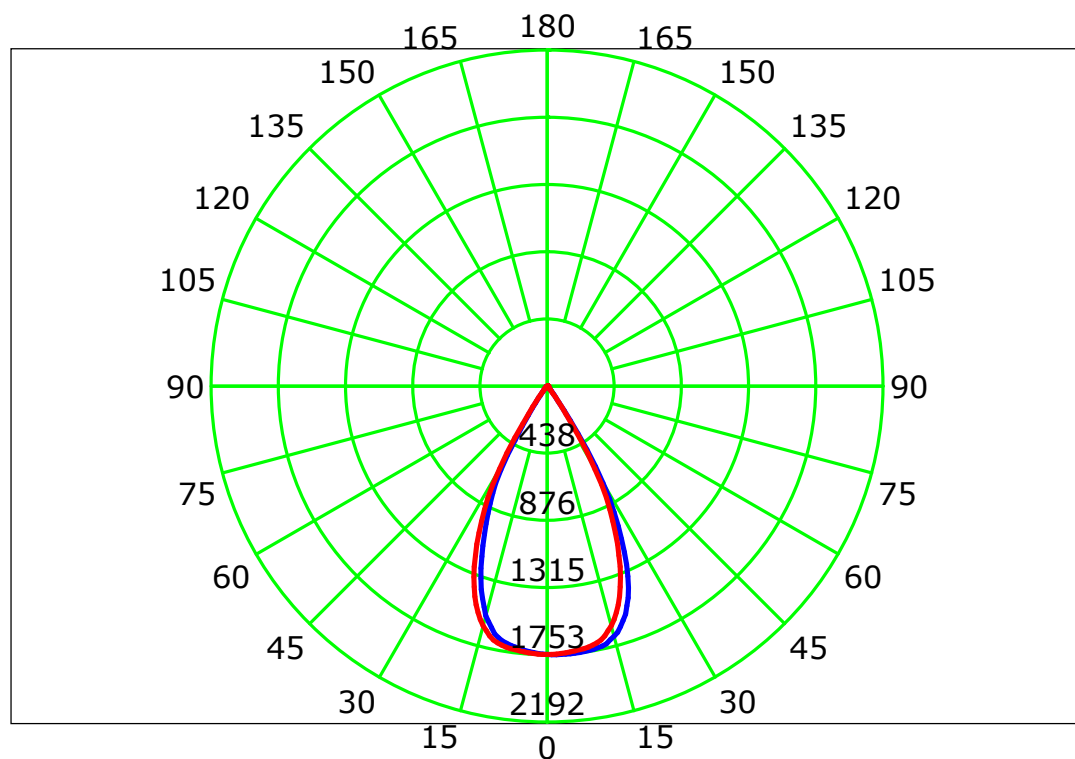
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

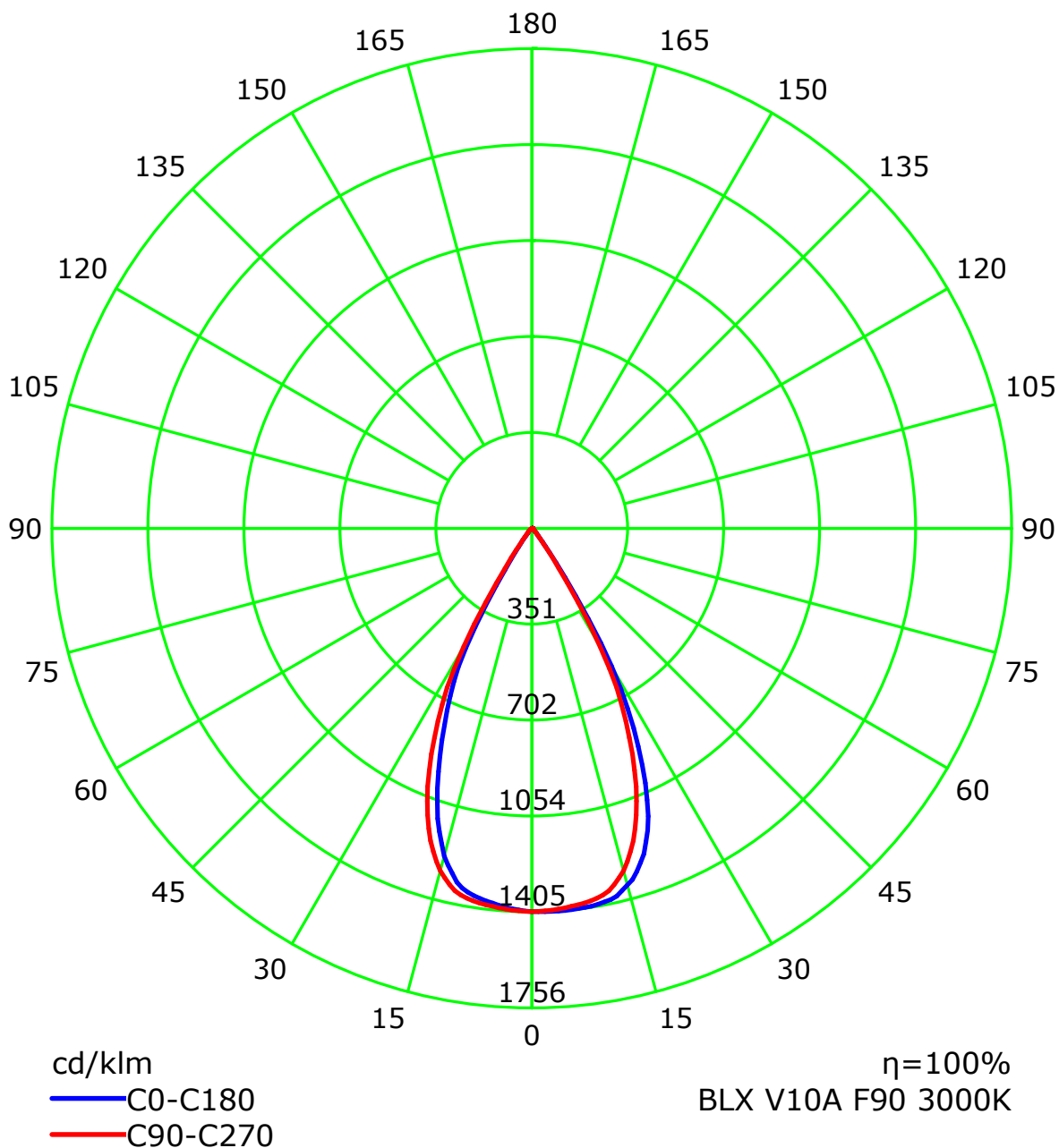
Luminous Intensity Distribution Curve



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:

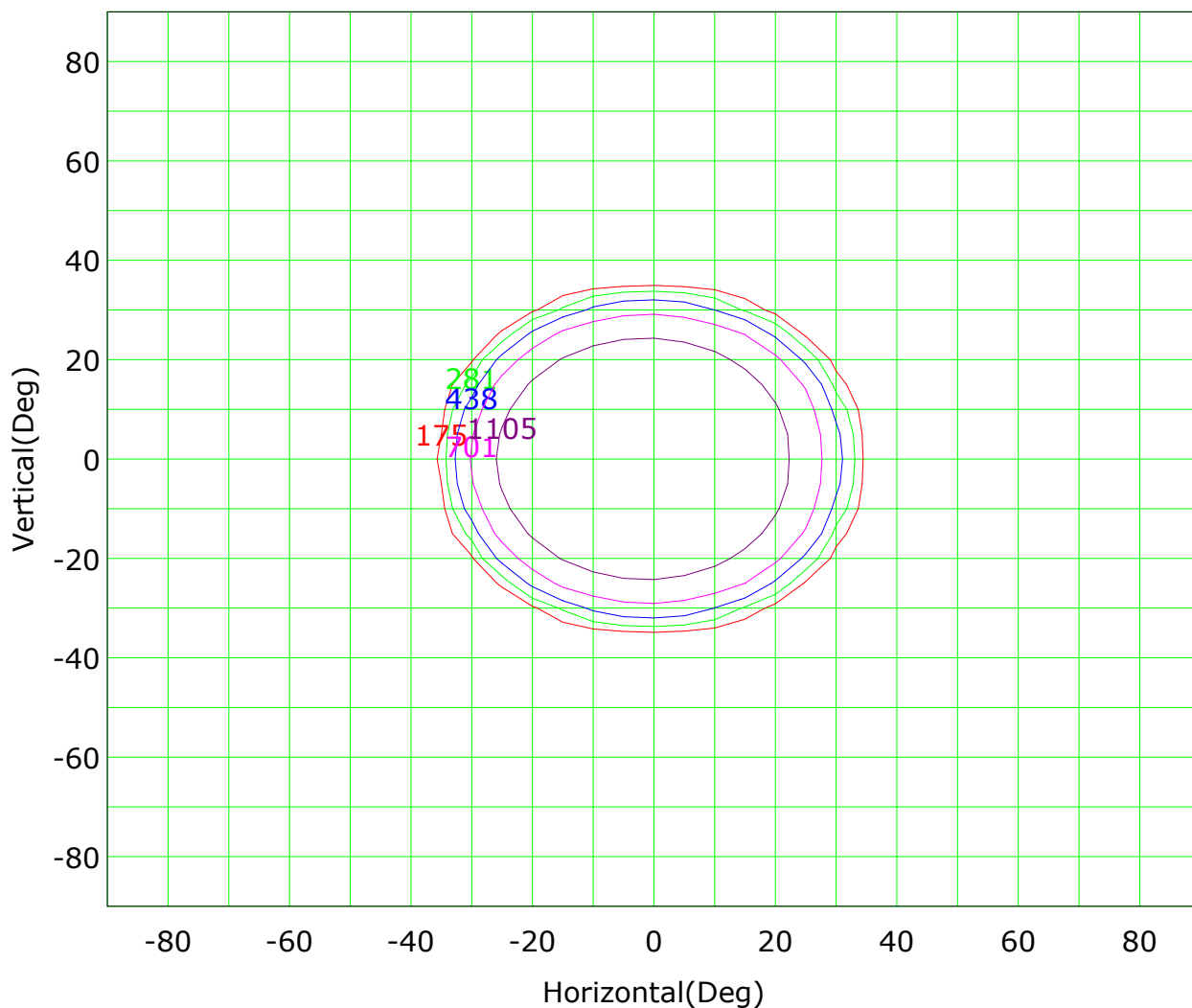
Luminous Intensity Distribution Curve(cd/klm)



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%): 1754 cd

(10%): 175 cd	(16%): 281 cd
(25%): 438 cd	(40%): 701 cd
(63%): 1105 cd	(100%): 1754 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

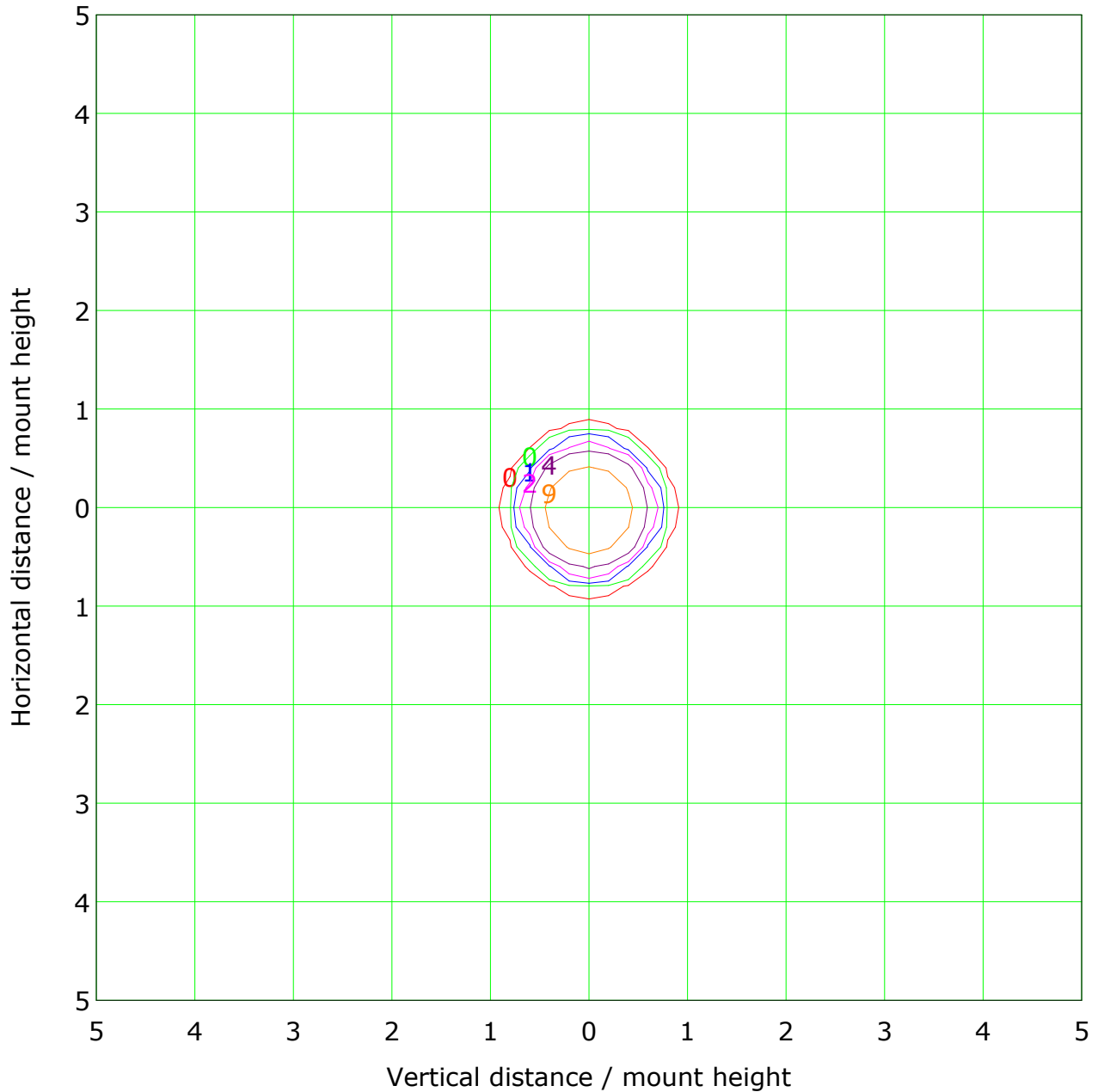
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 17.5 lx

(1%): 0.2 lx	(2%): 0.4 lx
(5%): 0.9 lx	(10%): 1.8 lx
(20%): 3.5 lx	(50%): 8.8 lx
(100%): 17.5 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

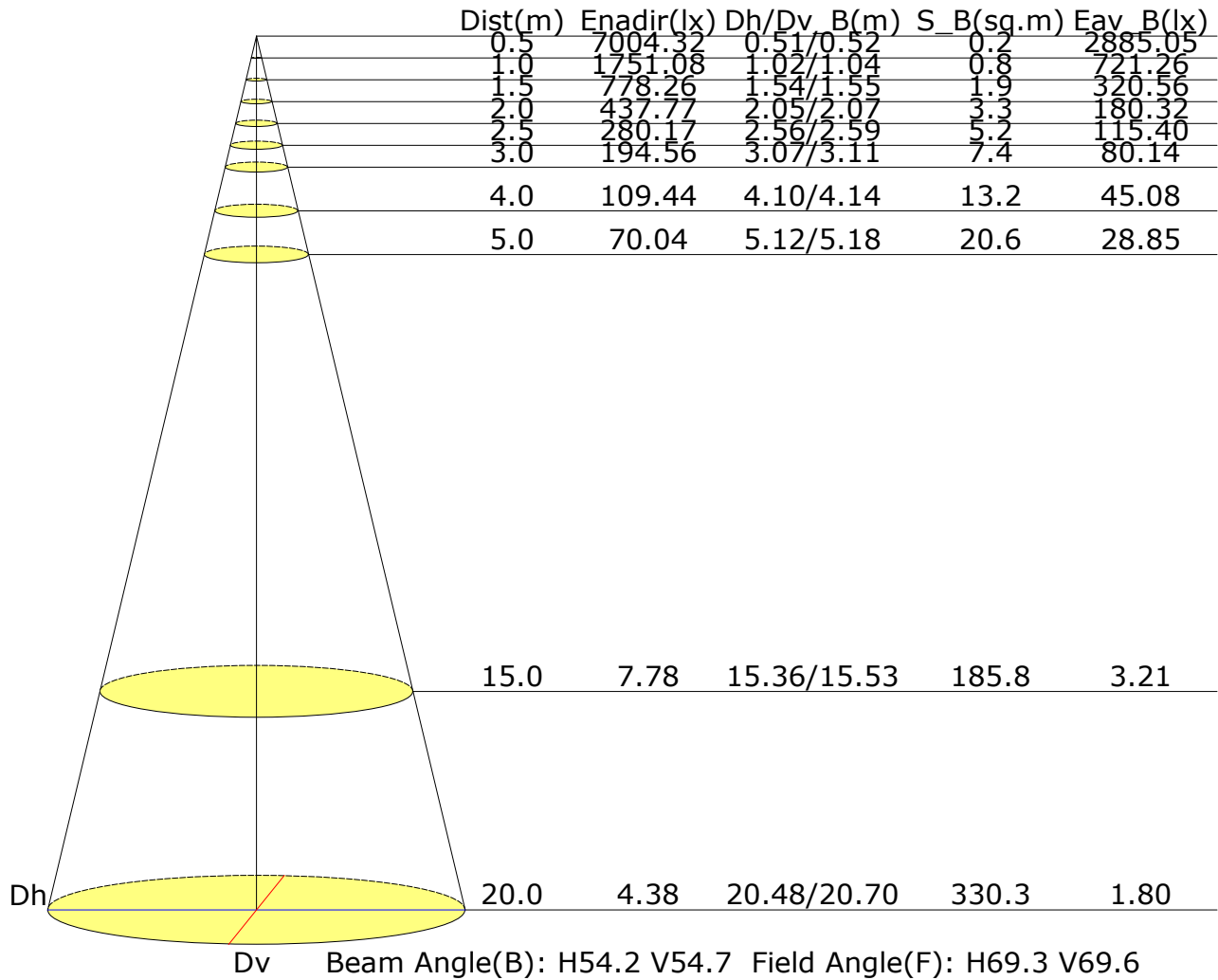
Test Device: CHL-6E

Distance: 3.010 m

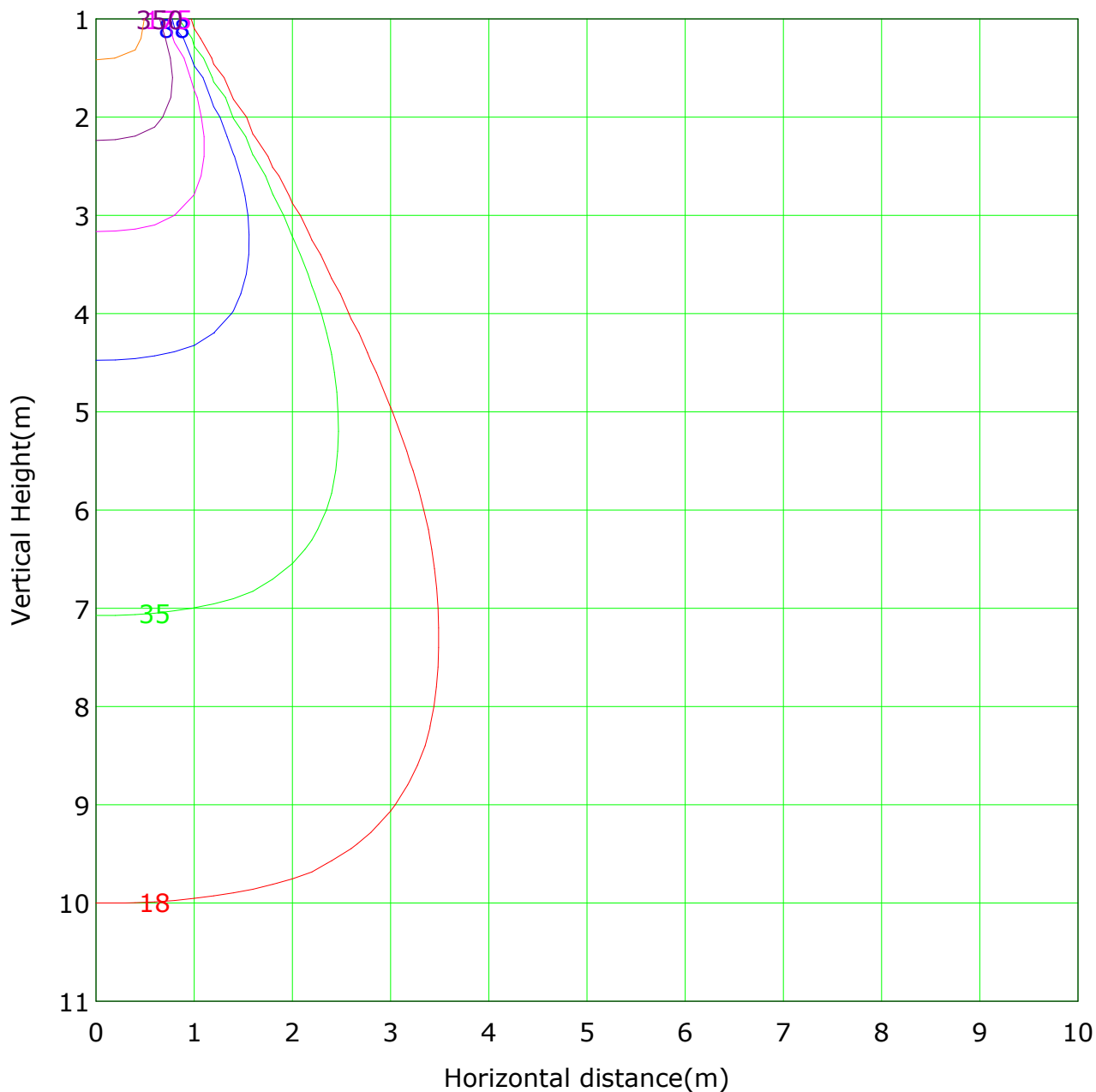
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1751.1 lx

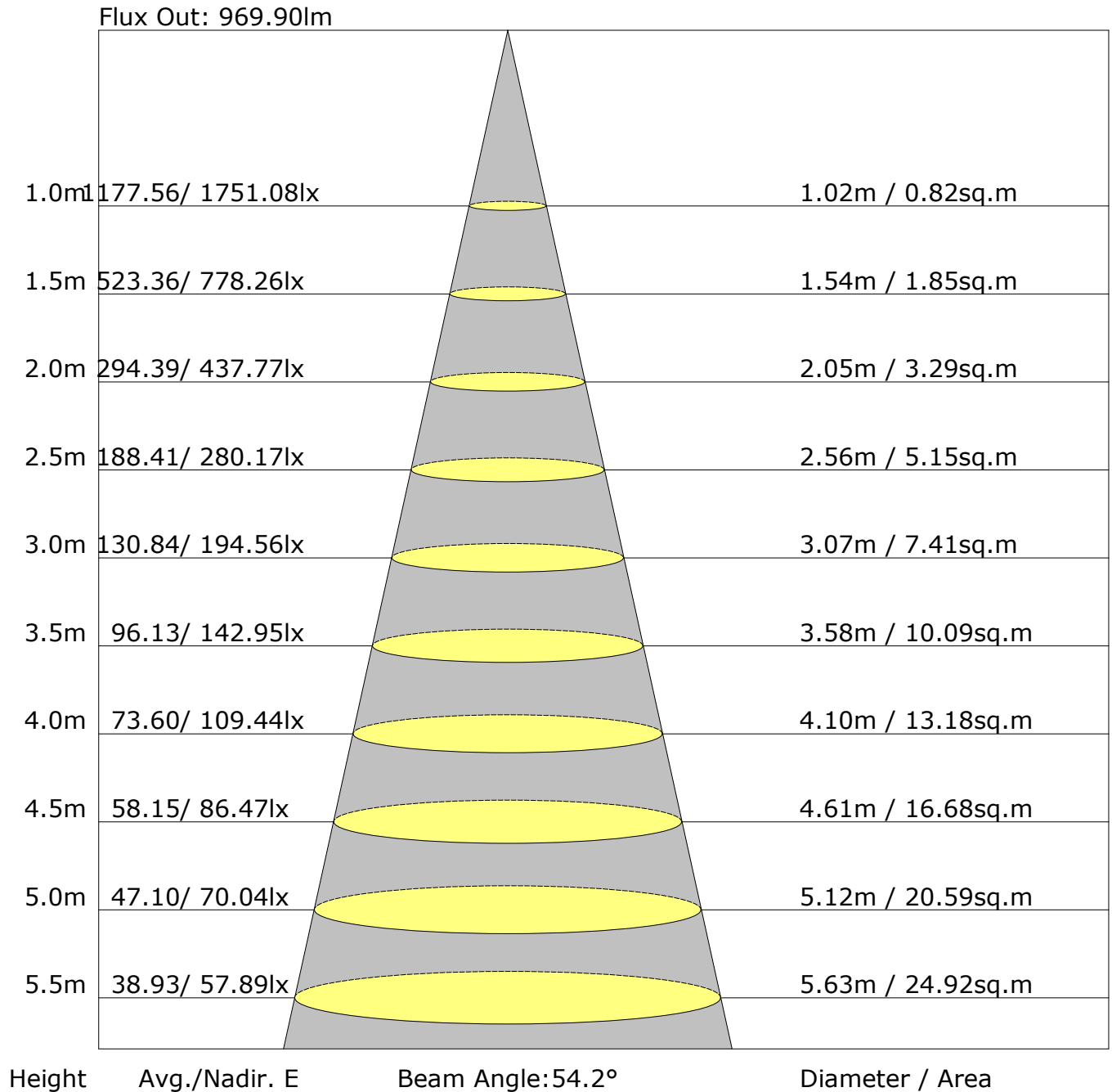
(1%): 17.5 lx	(2%): 35.0 lx
(5%): 87.6 lx	(10%): 175.1 lx
(20%): 350.2 lx	(50%): 875.5 lx
(100%):1751.1 lx	

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

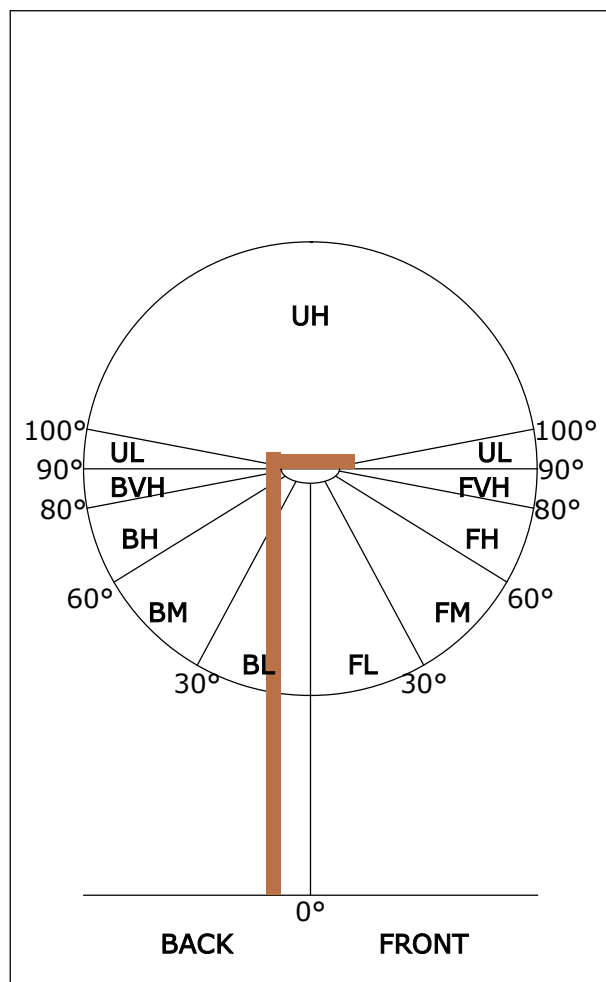
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	18.3	19.1	18.6	19.3	19.5	17.4	18.1	17.6	18.3	18.5
3H	18.2	18.9	18.5	19.1	19.3	17.2	17.9	17.5	18.2	18.4
4H	18.1	18.8	18.4	19.0	19.3	17.2	17.8	17.5	18.1	18.3
6H	18.0	18.6	18.4	18.9	19.2	17.1	17.7	17.4	18.0	18.3
8H	18.0	18.6	18.3	18.9	19.2	17.0	17.6	17.4	17.9	18.2
12H	17.9	18.5	18.3	18.8	19.1	17.0	17.6	17.4	17.9	18.2
X=4H Y=2H	18.1	18.8	18.4	19.0	19.3	17.2	17.8	17.5	18.1	18.3
3H	18.0	18.5	18.3	18.8	19.1	17.0	17.6	17.4	17.9	18.2
4H	17.9	18.4	18.2	18.7	19.1	16.9	17.4	17.3	17.8	18.1
6H	17.8	18.2	18.2	18.6	19.0	16.8	17.3	17.3	17.7	18.0
8H	17.7	18.1	18.2	18.5	18.9	16.8	17.2	17.2	17.6	18.0
12H	17.7	18.1	18.1	18.5	18.9	16.8	17.1	17.2	17.5	18.0
X=8H Y=4H	17.7	18.1	18.2	18.5	18.9	16.8	17.2	17.2	17.6	18.0
6H	17.6	18.0	18.1	18.4	18.8	16.7	17.0	17.2	17.5	17.9
8H	17.6	17.9	18.1	18.3	18.8	16.7	16.9	17.1	17.4	17.9
12H	17.6	17.8	18.0	18.3	18.8	16.6	16.9	17.1	17.3	17.8
X=12H Y=4H	17.7	18.1	18.1	18.5	18.9	16.8	17.1	17.2	17.5	18.0
6H	17.6	17.9	18.1	18.3	18.8	16.7	16.9	17.1	17.4	17.9
8H	17.6	17.8	18.0	18.3	18.8	16.6	16.9	17.1	17.3	17.8
Variations with the observer position at spacings:										
S=1.0H	+6.6/-13.4					+6.5/-12.7				
S=1.5H	+9.4/-19.4					+9.3/-19.3				
S=2.0H	+11.4/-23.5					+11.3/-23.7				

Calculate in accordance with CIE Pub.117. The table is revised with 1248lm ($8\log(F/F_0) = 0.8$).

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	652	52.3
FL (0°-30°)	564	45.2
FM (30°-60°)	87	7.0
FH (60°-80°)	1	0.1
FVH (80°-90°)	0	0.0
BACK LIGHT	596	47.7
BL (0°-30°)	522	41.8
BM (30°-60°)	73	5.9
BH (60°-80°)	1	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: 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	1750.9	1.7	1.7	0.13	0.13
1.0-2.0	1750.0	5.0	6.7	0.40	0.54
2.0-3.0	1748.0	8.4	15.1	0.67	1.21
3.0-4.0	1745.8	11.7	26.7	0.94	2.14
4.0-5.0	1742.9	15.0	41.7	1.20	3.35
5.0-6.0	1739.1	18.3	60.0	1.46	4.81
6.0-7.0	1735.1	21.5	81.6	1.73	6.54
7.0-8.0	1731.0	24.8	106.3	1.99	8.52
8.0-9.0	1726.2	28.0	134.3	2.24	10.77
9.0-10.0	1719.9	31.1	165.4	2.49	13.26
10.0-11.0	1711.4	34.2	199.6	2.74	16.00
11.0-12.0	1700.1	37.2	236.8	2.98	18.98
12.0-13.0	1682.6	39.9	276.8	3.20	22.18
13.0-14.0	1658.6	42.5	319.2	3.40	25.58
14.0-15.0	1632.5	44.8	364.0	3.59	29.18
15.0-16.0	1602.0	46.9	411.0	3.76	32.94
16.0-17.0	1564.2	48.7	459.7	3.90	36.84
17.0-18.0	1522.3	50.2	509.9	4.02	40.87
18.0-19.0	1475.7	51.3	561.2	4.12	44.98
19.0-20.0	1422.6	52.1	613.3	4.17	49.16
20.0-21.0	1364.5	52.4	665.7	4.20	53.36
21.0-22.0	1303.2	52.4	718.1	4.20	57.55
22.0-23.0	1236.0	51.9	770.0	4.16	61.71
23.0-24.0	1164.9	50.9	820.9	4.08	65.79
24.0-25.0	1092.5	49.7	870.6	3.98	69.78
25.0-26.0	1018.1	48.1	918.7	3.85	73.63
26.0-27.0	942.7	46.1	964.8	3.70	77.32
27.0-28.0	864.9	43.8	1008.6	3.51	80.83
28.0-29.0	779.4	40.8	1049.4	3.27	84.10
29.0-30.0	679.0	36.7	1086.0	2.94	87.04
30.0-31.0	567.9	31.6	1117.6	2.53	89.57
31.0-32.0	455.0	26.1	1143.7	2.09	91.66
32.0-33.0	348.4	20.5	1164.2	1.65	93.31
33.0-34.0	259.9	15.7	1180.0	1.26	94.57
34.0-35.0	193.1	12.0	1192.0	0.96	95.53
35.0-36.0	142.9	9.1	1201.1	0.73	96.26

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	106.3	6.9	1208.0	0.56	96.82
37.0-38.0	81.0	5.4	1213.4	0.43	97.25
38.0-39.0	63.2	4.3	1217.7	0.35	97.60
39.0-40.0	50.3	3.5	1221.2	0.28	97.88
40.0-41.0	41.4	2.9	1224.2	0.24	98.11
41.0-42.0	35.3	2.6	1226.7	0.21	98.32
42.0-43.0	30.9	2.3	1229.0	0.18	98.50
43.0-44.0	27.7	2.1	1231.1	0.17	98.67
44.0-45.0	25.6	2.0	1233.1	0.16	98.83
45.0-46.0	23.7	1.9	1234.9	0.15	98.98
46.0-47.0	21.8	1.7	1236.7	0.14	99.11
47.0-48.0	19.6	1.6	1238.2	0.13	99.24
48.0-49.0	16.9	1.4	1239.6	0.11	99.35
49.0-50.0	13.7	1.1	1240.8	0.09	99.44
50.0-51.0	11.2	0.9	1241.7	0.08	99.52
51.0-52.0	9.7	0.8	1242.6	0.07	99.59
52.0-53.0	8.7	0.8	1243.3	0.06	99.65
53.0-54.0	7.6	0.7	1244.0	0.05	99.70
54.0-55.0	6.7	0.6	1244.6	0.05	99.75
55.0-56.0	5.8	0.5	1245.1	0.04	99.79
56.0-57.0	4.9	0.4	1245.6	0.04	99.83
57.0-58.0	4.2	0.4	1246.0	0.03	99.86
58.0-59.0	3.6	0.3	1246.3	0.03	99.89
59.0-60.0	3.0	0.3	1246.6	0.02	99.91
60.0-61.0	2.4	0.2	1246.8	0.02	99.93
61.0-62.0	1.9	0.2	1247.0	0.02	99.94
62.0-63.0	1.5	0.1	1247.1	0.01	99.95
63.0-64.0	1.1	0.1	1247.2	0.01	99.96
64.0-65.0	0.9	0.1	1247.3	0.01	99.97
65.0-66.0	0.8	0.1	1247.4	0.01	99.98
66.0-67.0	0.6	0.1	1247.5	0.00	99.98
67.0-68.0	0.6	0.1	1247.5	0.00	99.99
68.0-69.0	0.5	0.0	1247.6	0.00	99.99
69.0-70.0	0.3	0.0	1247.6	0.00	99.99
70.0-71.0	0.2	0.0	1247.6	0.00	99.99
71.0-72.0	0.2	0.0	1247.6	0.00	99.99

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	1751.1	1751.1								
G1.0	1752.4	1749.0								
G2.0	1753.0	1745.4								
G3.0	1753.3	1740.4								
G4.0	1753.6	1735.6								
G5.0	1753.3	1729.0								
G6.0	1751.8	1722.1								
G7.0	1750.6	1715.7								
G8.0	1749.6	1708.1								
G9.0	1747.8	1699.3								
G10.0	1744.3	1688.2								
G11.0	1739.4	1673.6								
G12.0	1734.4	1653.0								
G13.0	1725.6	1617.5								
G14.0	1706.0	1585.3								
G15.0	1688.0	1550.8								
G16.0	1670.2	1498.8								
G17.0	1639.8	1448.1								
G18.0	1606.9	1394.2								
G19.0	1573.3	1328.3								
G20.0	1524.2	1264.6								
G21.0	1478.3	1191.1								
G22.0	1419.0	1124.6								
G23.0	1348.6	1052.0								
G24.0	1274.4	984.5								
G25.0	1194.1	917.2								
G26.0	1109.4	851.9								
G27.0	1024.6	784.8								
G28.0	932.8	717.5								
G29.0	840.9	626.2								
G30.0	728.3	520.4								
G31.0	613.5	409.3								
G32.0	488.6	308.8								
G33.0	368.4	227.8								
G34.0	271.6	171.9								
G35.0	194.9	134.1								
G36.0	138.1	104.5								

C Plane (°):0.0-180.0: 180.0
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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	102.8	79.6								
G38.0	79.3	62.5								
G39.0	61.7	49.4								
G40.0	50.2	39.8								
G41.0	41.9	33.6								
G42.0	36.3	29.3								
G43.0	32.0	25.8								
G44.0	29.1	23.9								
G45.0	27.0	22.2								
G46.0	25.1	20.4								
G47.0	23.1	18.6								
G48.0	20.3	16.5								
G49.0	16.8	13.8								
G50.0	13.1	11.3								
G51.0	10.4	10.1								
G52.0	9.5	9.0								
G53.0	8.4	7.8								
G54.0	7.4	6.9								
G55.0	6.6	6.0								
G56.0	5.6	5.1								
G57.0	4.8	4.2								
G58.0	4.5	3.5								
G59.0	3.6	2.8								
G60.0	3.2	2.3								
G61.0	2.7	1.6								
G62.0	2.3	1.2								
G63.0	1.6	0.9								
G64.0	1.2	0.8								
G65.0	1.0	0.8								
G66.0	0.8	0.4								
G67.0	0.8	0.4								
G68.0	0.8	0.4								
G69.0	0.4	0.2								
G70.0	0.4	0.2								
G71.0	0.2	0.2								
G72.0	0.2	0.2								
G73.0	0.2	0.0								

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

Unit: cd

Inspector: