

Report No.:

Test Time: 2026-09-29 17:23

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MOVA50-FIX-300MA-50D

Lamp Description: Blx V4HD F90 3000K

Luminous Width (mm): -43

Current: 0.127 A

Power Factor: 0.523

Luminous Length (mm): -43

Voltage: 225.0 V

Power: 14.90 W

Photometric Results

CIE Class: Direct

Measurement Flux: 692 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H46.4

Vertical Diffuse Angle(50%): V46.4

Luminaire Efficacy Rating (LER): 46.49

Max. Intensity: 1153.07 cd

S/MH(C0/C180): 0.73

Total Rated Lamp Lumens: 692.0 lm

Efficiency: 100%

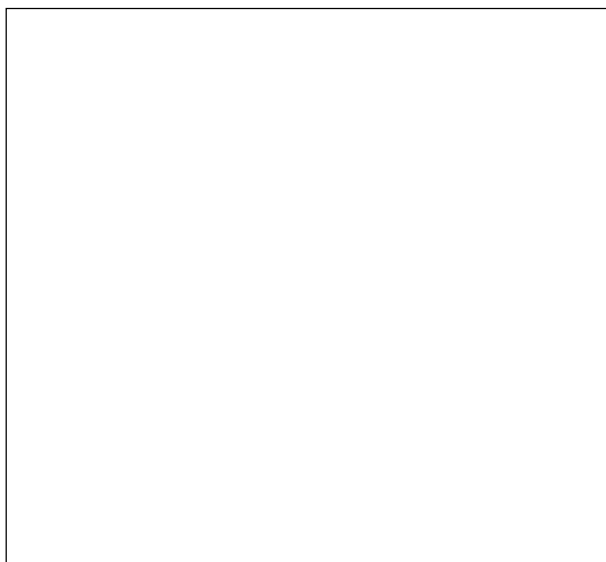
Upward Ratio: 0%

Central Intensity: 1137.01 cd

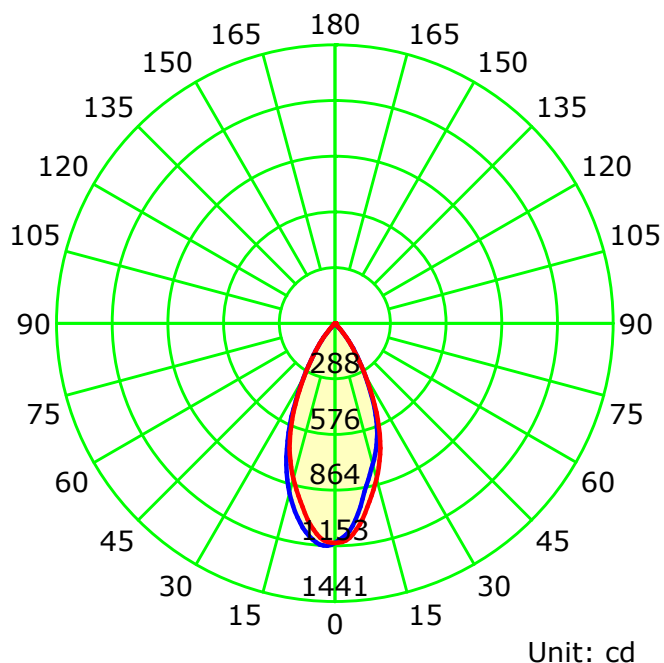
Pos of Max. Intensity: H180 V2

S/MH(C90/C270): 0.73

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

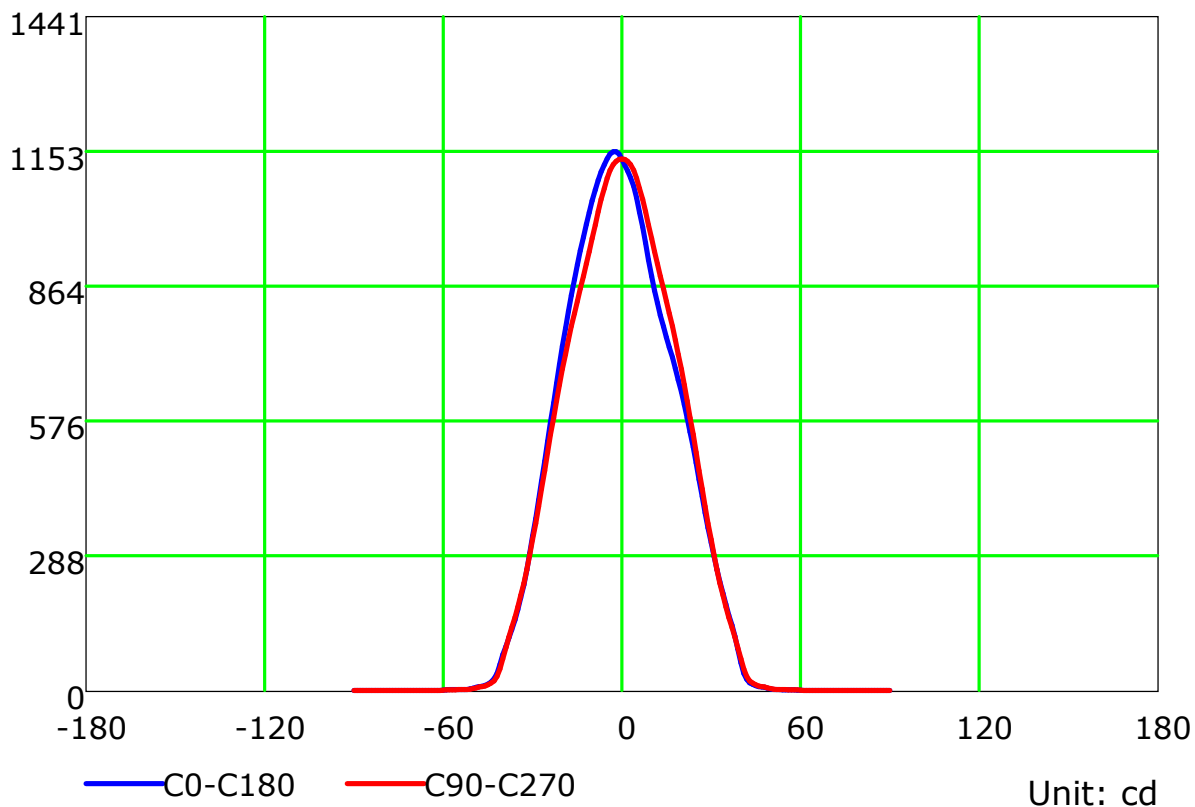
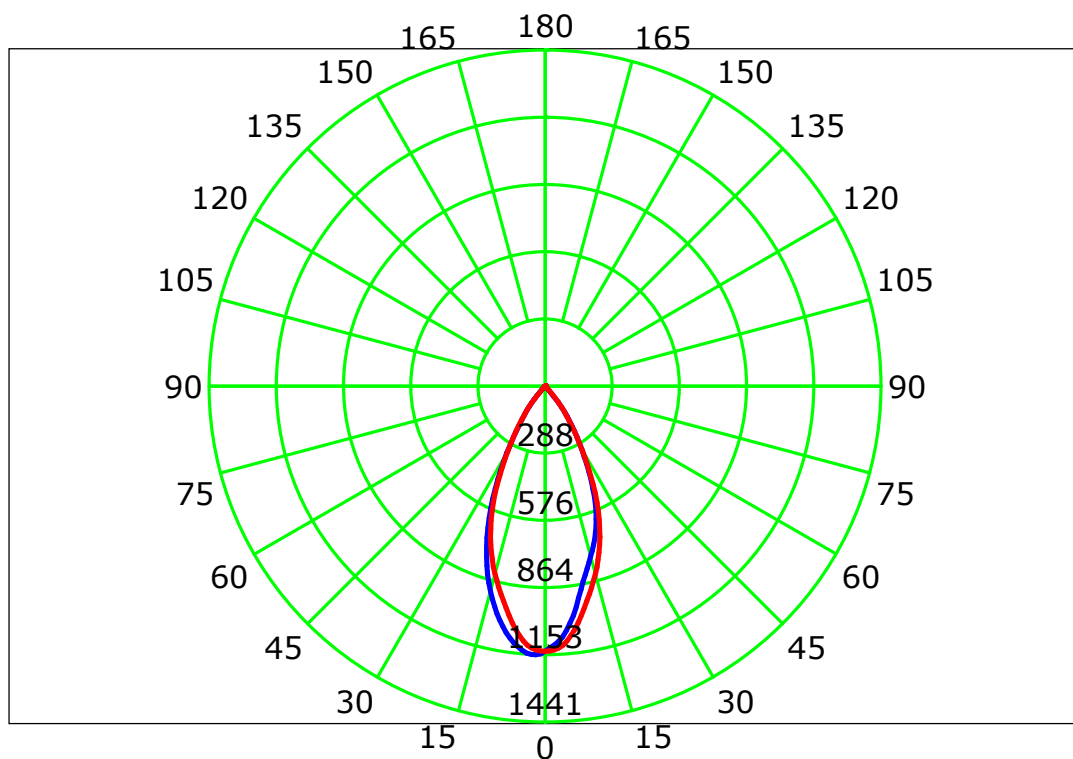
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

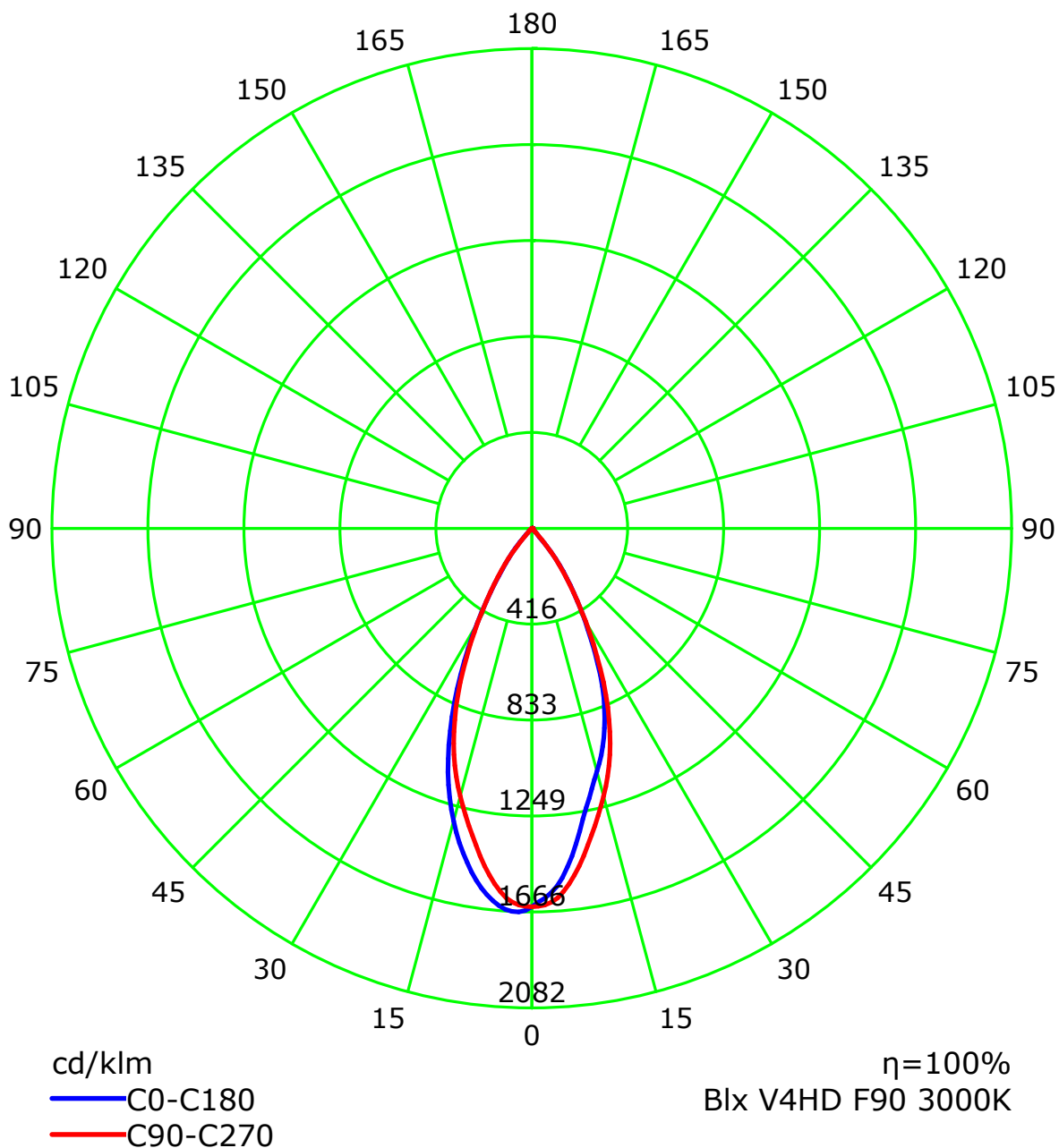
Luminous Intensity Distribution Curve



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:

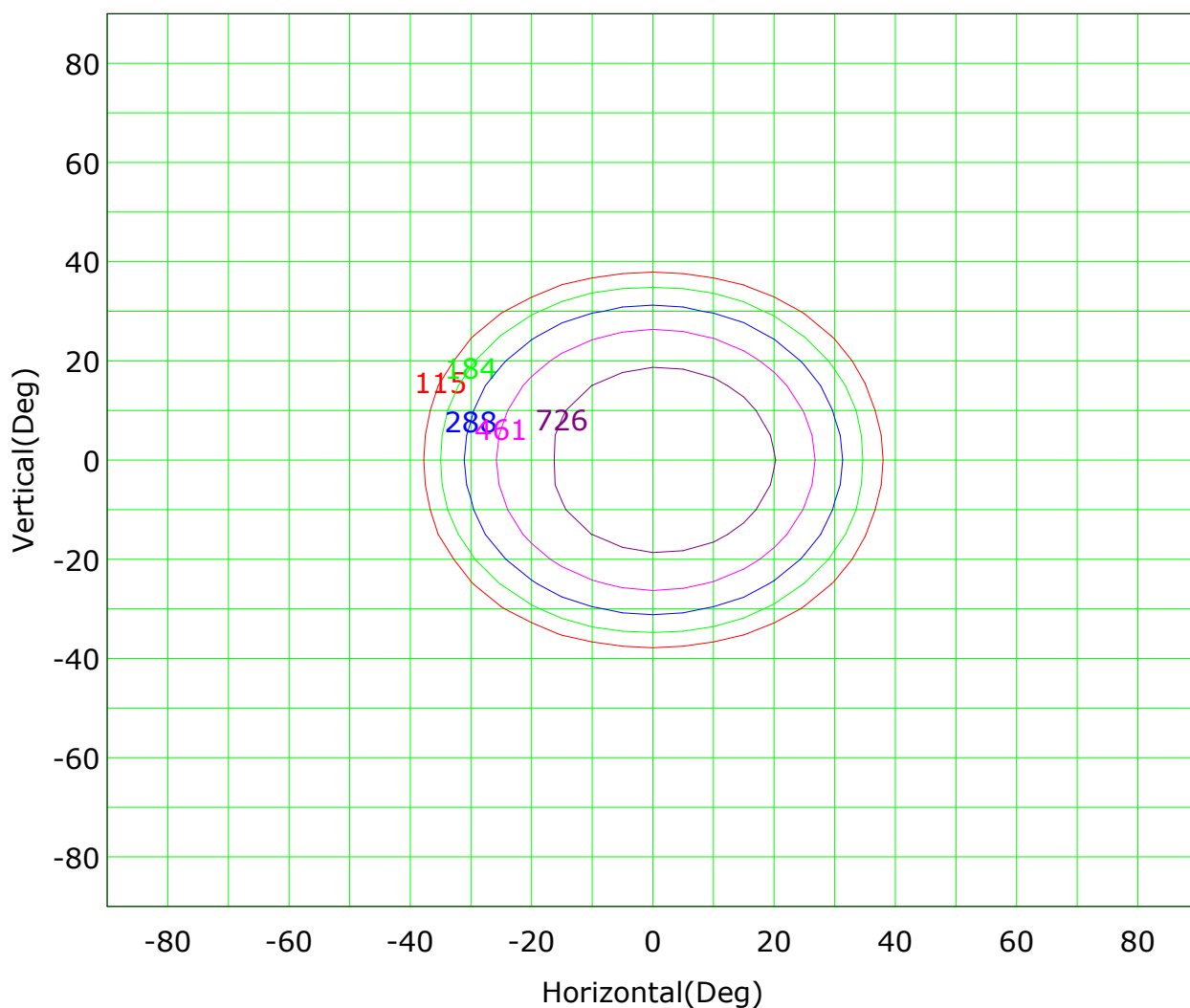
Luminous Intensity Distribution Curve(cd/klm)



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%): 1153 cd

(10%): 115 cd	(16%): 184 cd
(25%): 288 cd	(40%): 461 cd
(63%): 726 cd	(100%): 1153 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

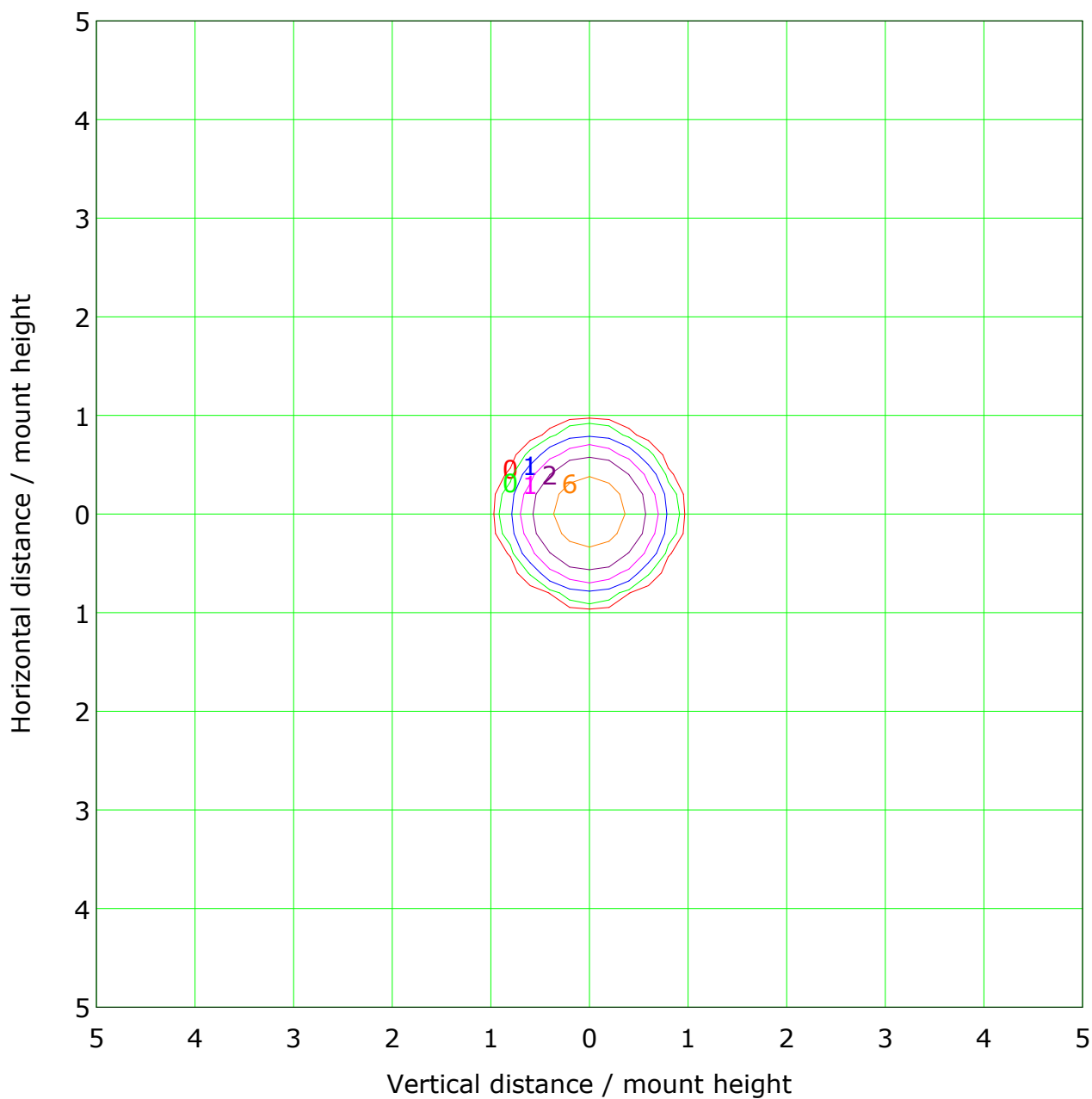
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 11.5 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.6 lx	(10%): 1.2 lx
(20%): 2.3 lx	(50%): 5.8 lx
(100%): 11.5 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

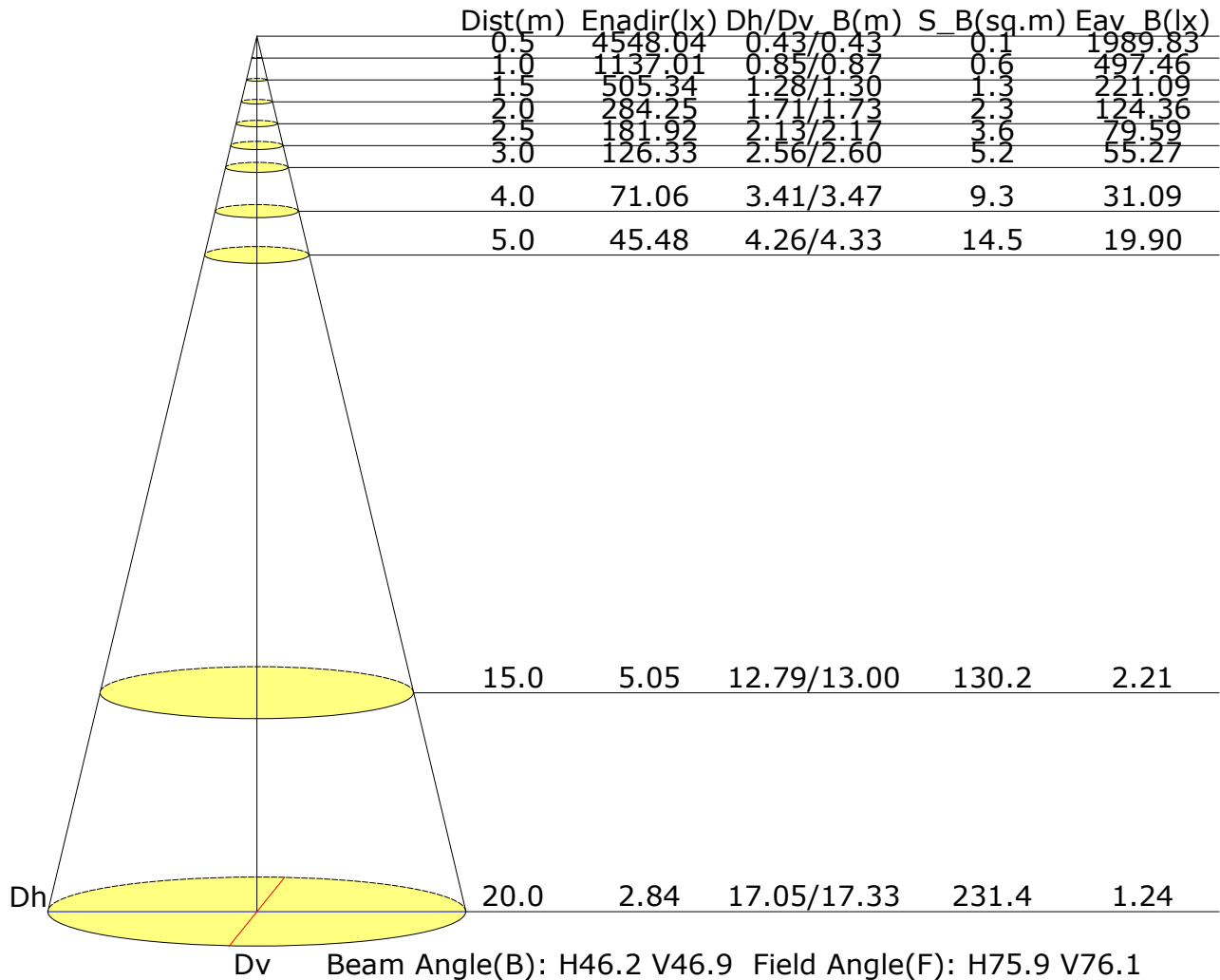
Test Device: CHL-6E

Distance: 3.010 m

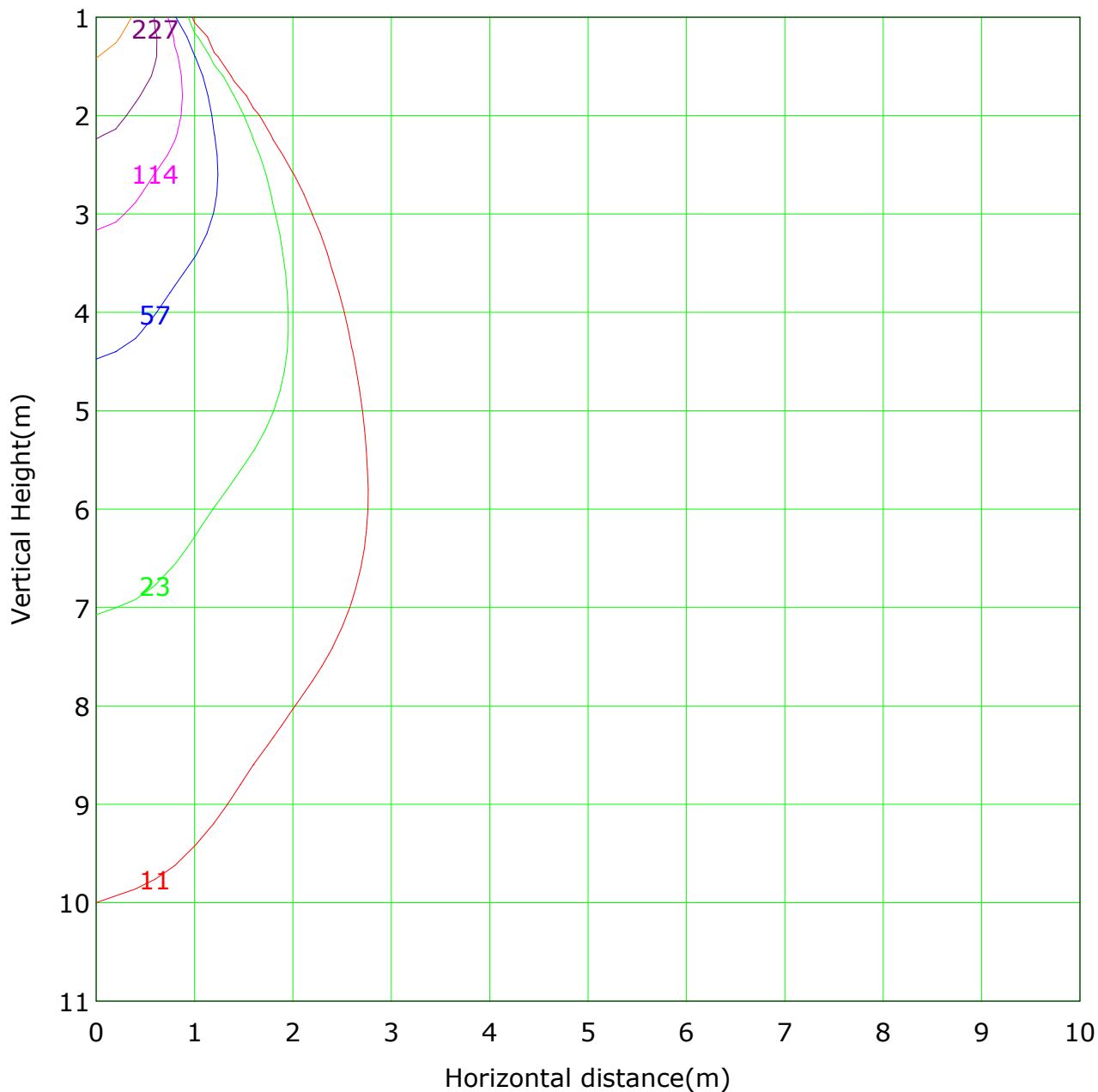
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



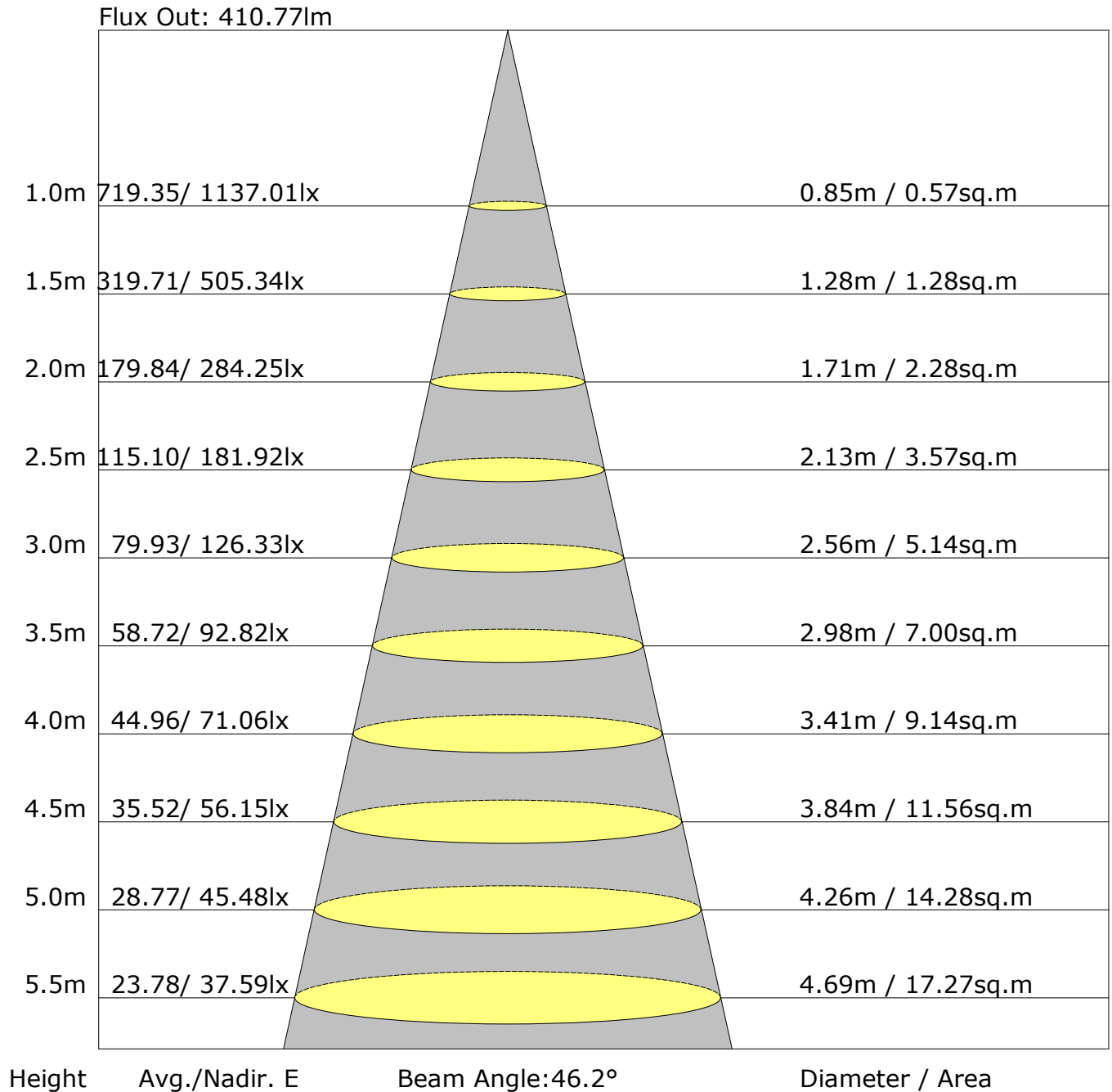
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1137.0 lx
 (1%): 11.4 lx (2%): 22.7 lx
 (5%): 56.9 lx (10%): 113.7 lx
 (20%): 227.4 lx (50%): 568.5 lx
 (100%):1137.0 lx

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	19.4	20.2	19.7	20.4	20.6	19.4	20.2	19.7	20.4	20.6
3H	19.3	20.0	19.6	20.2	20.5	19.3	20.0	19.6	20.2	20.5
4H	19.2	19.9	19.5	20.1	20.4	19.2	19.9	19.5	20.1	20.4
6H	19.1	19.7	19.5	20.0	20.3	19.1	19.7	19.5	20.0	20.3
8H	19.1	19.7	19.4	20.0	20.3	19.1	19.7	19.4	20.0	20.3
12H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
X=4H Y=2H	19.2	19.9	19.5	20.1	20.4	19.2	19.9	19.5	20.1	20.4
3H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
4H	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.8	20.2
6H	18.9	19.3	19.3	19.7	20.1	18.9	19.3	19.3	19.7	20.1
8H	18.8	19.3	19.3	19.6	20.0	18.8	19.3	19.3	19.6	20.0
12H	18.8	19.2	19.2	19.6	20.0	18.8	19.2	19.2	19.6	20.0
X=8H Y=4H	18.8	19.3	19.3	19.6	20.0	18.8	19.3	19.3	19.6	20.0
6H	18.8	19.1	19.2	19.5	20.0	18.8	19.1	19.2	19.5	20.0
8H	18.7	19.0	19.2	19.4	19.9	18.7	19.0	19.2	19.4	19.9
12H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
X=12H Y=4H	18.8	19.2	19.2	19.6	20.0	18.8	19.2	19.2	19.6	20.0
6H	18.7	19.0	19.2	19.4	19.9	18.7	19.0	19.2	19.4	19.9
8H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
Variations with the observer position at spacings:										
S=1.0H	+5.7/-18.5					+5.7/-18.3				
S=1.5H	+8.5/-22.9					+8.5/-23.5				
S=2.0H	+10.5/-25.0					+10.5/-25.9				

Calculate in accordance with CIE Pub.117. The table is revised with 692lm ($8\log(F/F_0) = -1.3$).

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	336	48.6
	FL (0°-30°)	272	39.3
	FM (30°-60°)	64	9.3
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	356	51.4
	BL (0°-30°)	290	41.9
	BM (30°-60°)	65	9.4
	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)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 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	1136.5	1.1	1.1	0.16	0.16
1.0-2.0	1134.2	3.3	4.3	0.47	0.63
2.0-3.0	1128.7	5.4	9.7	0.78	1.41
3.0-4.0	1119.2	7.5	17.2	1.08	2.49
4.0-5.0	1104.5	9.5	26.7	1.37	3.86
5.0-6.0	1085.0	11.4	38.1	1.65	5.51
6.0-7.0	1062.5	13.2	51.3	1.91	7.42
7.0-8.0	1037.7	14.9	66.2	2.15	9.56
8.0-9.0	1010.3	16.4	82.6	2.37	11.93
9.0-10.0	981.6	17.8	100.3	2.57	14.50
10.0-11.0	953.2	19.0	119.4	2.75	17.25
11.0-12.0	926.3	20.3	139.6	2.93	20.18
12.0-13.0	899.9	21.4	161.0	3.09	23.27
13.0-14.0	873.2	22.4	183.3	3.23	26.50
14.0-15.0	846.5	23.2	206.6	3.36	29.85
15.0-16.0	820.0	24.0	230.6	3.47	33.33
16.0-17.0	793.1	24.7	255.3	3.57	36.90
17.0-18.0	764.6	25.2	280.5	3.64	40.54
18.0-19.0	734.7	25.6	306.1	3.69	44.24
19.0-20.0	703.7	25.8	331.9	3.72	47.96
20.0-21.0	671.2	25.8	357.6	3.73	51.68
21.0-22.0	637.3	25.6	383.2	3.70	55.39
22.0-23.0	602.0	25.3	408.5	3.65	59.04
23.0-24.0	566.0	24.7	433.3	3.58	62.61
24.0-25.0	529.0	24.1	457.3	3.48	66.09
25.0-26.0	490.5	23.2	480.5	3.35	69.44
26.0-27.0	451.4	22.1	502.6	3.19	72.63
27.0-28.0	413.0	20.9	523.5	3.02	75.65
28.0-29.0	376.1	19.7	543.1	2.84	78.49
29.0-30.0	340.7	18.4	561.5	2.66	81.15
30.0-31.0	306.9	17.1	578.6	2.47	83.62
31.0-32.0	274.3	15.7	594.3	2.27	85.89
32.0-33.0	244.1	14.4	608.7	2.08	87.97
33.0-34.0	216.6	13.1	621.8	1.89	89.87
34.0-35.0	191.1	11.9	633.7	1.72	91.58
35.0-36.0	167.5	10.7	644.4	1.54	93.12

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	145.7	9.5	653.9	1.37	94.50
37.0-38.0	125.0	8.3	662.2	1.21	95.70
38.0-39.0	103.5	7.1	669.3	1.02	96.72
39.0-40.0	80.2	5.6	674.9	0.81	97.53
40.0-41.0	57.1	4.1	678.9	0.59	98.12
41.0-42.0	38.4	2.8	681.7	0.40	98.52
42.0-43.0	25.9	1.9	683.7	0.28	98.80
43.0-44.0	18.5	1.4	685.1	0.20	99.00
44.0-45.0	14.1	1.1	686.1	0.16	99.16
45.0-46.0	11.2	0.9	687.0	0.13	99.29
46.0-47.0	9.4	0.7	687.8	0.11	99.40
47.0-48.0	8.2	0.7	688.4	0.10	99.49
48.0-49.0	6.9	0.6	689.0	0.08	99.57
49.0-50.0	5.1	0.4	689.4	0.06	99.64
50.0-51.0	3.6	0.3	689.7	0.04	99.68
51.0-52.0	2.7	0.2	690.0	0.03	99.71
52.0-53.0	2.4	0.2	690.2	0.03	99.74
53.0-54.0	2.3	0.2	690.4	0.03	99.77
54.0-55.0	2.1	0.2	690.6	0.03	99.80
55.0-56.0	2.1	0.2	690.7	0.03	99.83
56.0-57.0	2.0	0.2	690.9	0.03	99.85
57.0-58.0	2.0	0.2	691.1	0.03	99.88
58.0-59.0	1.7	0.2	691.3	0.02	99.90
59.0-60.0	1.3	0.1	691.4	0.02	99.92
60.0-61.0	0.8	0.1	691.5	0.01	99.93
61.0-62.0	0.5	0.0	691.5	0.01	99.94
62.0-63.0	0.4	0.0	691.6	0.01	99.94
63.0-64.0	0.3	0.0	691.6	0.00	99.95
64.0-65.0	0.2	0.0	691.6	0.00	99.95
65.0-66.0	0.3	0.0	691.6	0.00	99.95
66.0-67.0	0.3	0.0	691.7	0.00	99.96
67.0-68.0	0.3	0.0	691.7	0.00	99.96
68.0-69.0	0.1	0.0	691.7	0.00	99.96
69.0-70.0	0.1	0.0	691.7	0.00	99.97
70.0-71.0	0.1	0.0	691.7	0.00	99.97
71.0-72.0	0.2	0.0	691.7	0.00	99.97

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	1137.0	1137.0								
G1.0	1123.8	1148.1								
G2.0	1111.6	1153.1								
G3.0	1097.4	1152.8								
G4.0	1078.9	1147.7								
G5.0	1054.0	1137.6								
G6.0	1023.5	1124.8								
G7.0	992.0	1109.5								
G8.0	957.6	1091.5								
G9.0	921.3	1070.9								
G10.0	886.4	1047.8								
G11.0	855.8	1022.9								
G12.0	829.4	997.1								
G13.0	803.1	969.9								
G14.0	778.6	941.1								
G15.0	755.5	910.9								
G16.0	734.3	879.4								
G17.0	713.0	845.6								
G18.0	689.0	810.9								
G19.0	664.5	774.6								
G20.0	639.0	736.7								
G21.0	611.8	697.3								
G22.0	583.1	656.9								
G23.0	552.8	615.3								
G24.0	520.8	575.0								
G25.0	487.0	533.2								
G26.0	451.3	490.4								
G27.0	415.3	448.5								
G28.0	380.6	407.8								
G29.0	347.9	368.0								
G30.0	317.0	330.2								
G31.0	287.4	293.1								
G32.0	259.3	257.5								
G33.0	233.2	226.4								
G34.0	208.1	198.8								
G35.0	184.2	173.4								
G36.0	161.6	150.7								

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	139.9	130.6								
G38.0	116.8	112.8								
G39.0	89.6	94.9								
G40.0	59.3	76.9								
G41.0	36.6	55.5								
G42.0	24.6	36.8								
G43.0	17.0	25.4								
G44.0	13.2	18.5								
G45.0	10.7	14.1								
G46.0	8.9	11.3								
G47.0	8.0	9.5								
G48.0	7.1	8.4								
G49.0	5.3	6.9								
G50.0	3.6	4.8								
G51.0	2.4	3.5								
G52.0	2.3	2.7								
G53.0	2.4	2.4								
G54.0	2.0	2.3								
G55.0	2.0	2.3								
G56.0	1.6	2.4								
G57.0	1.8	2.1								
G58.0	1.8	2.1								
G59.0	1.4	1.6								
G60.0	1.0	1.2								
G61.0	0.4	0.6								
G62.0	0.6	0.3								
G63.0	0.6	0.3								
G64.0	0.2	0.2								
G65.0	0.2	0.3								
G66.0	0.3	0.3								
G67.0	0.3	0.3								
G68.0	0.3	0.2								
G69.0	0.2	0.0								
G70.0	0.2	0.0								
G71.0	0.3	0.0								
G72.0	0.3	0.2								
G73.0	0.2	0.0								

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:

Unit: cd

[illegible]

Inspector: