

Test Time: 2026-04-09 17:10

Luminaire Property

Luminous Length (mm): -21

Voltage: 228.5 V

Power: 2.90 W

Current: 0.021 A

Power Factor: 0.588

Photometric Results

Total Rated Lamp Lumens: 96.9 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(50%): H17.9

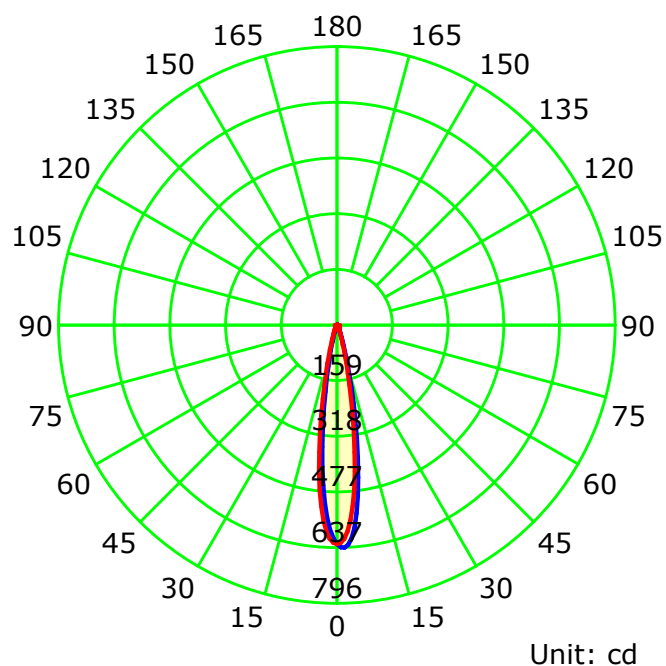
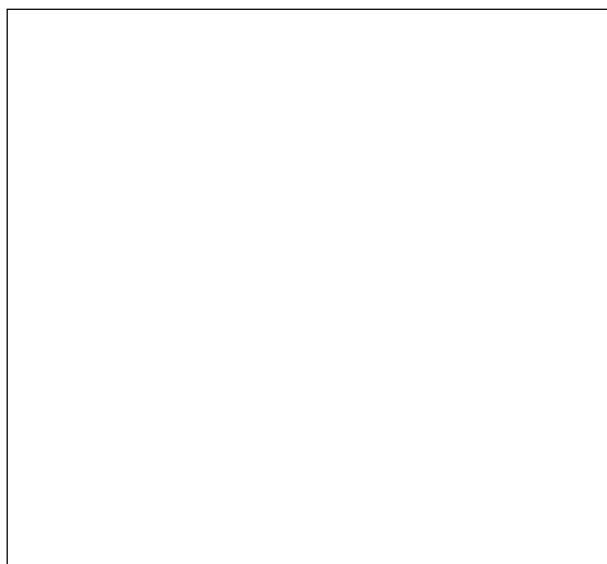
Vertical Diffuse Angle(50%): V17.9

Central Intensity: 626.83 cd

Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 0.31

Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

Gamma Plane (°):0.0-90.0:1.0

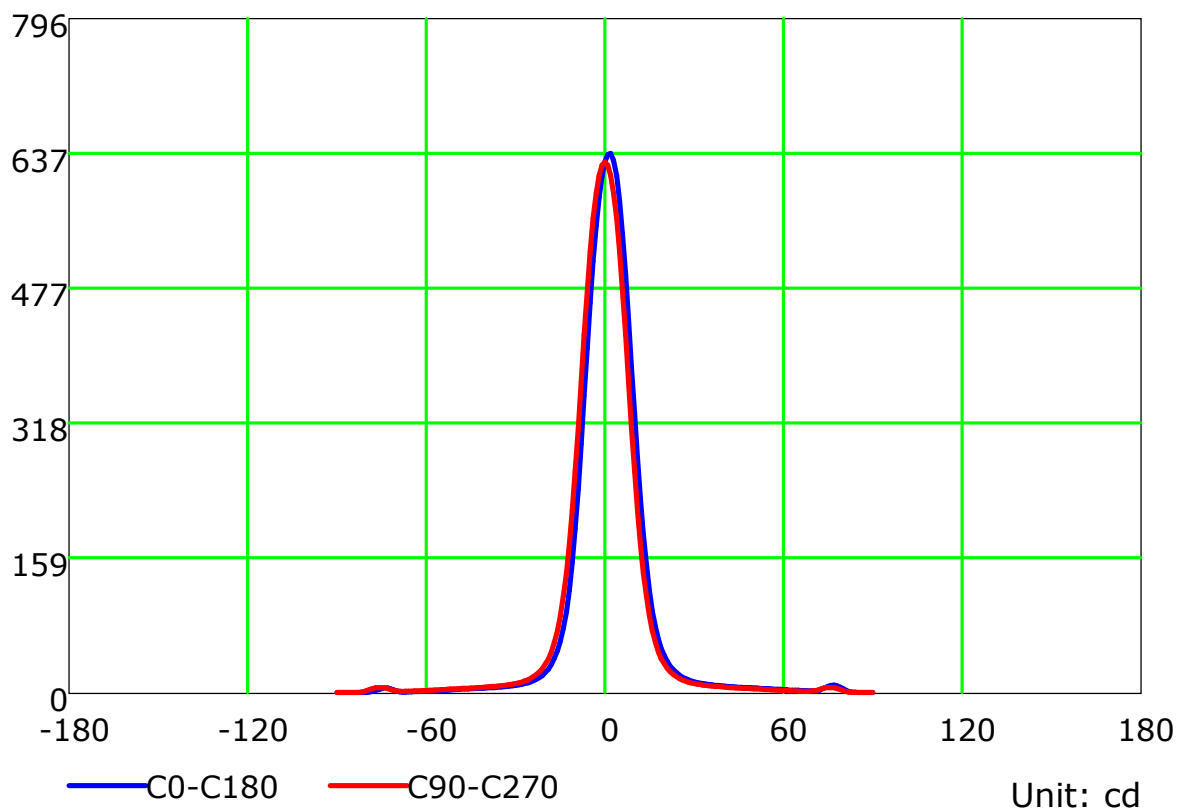
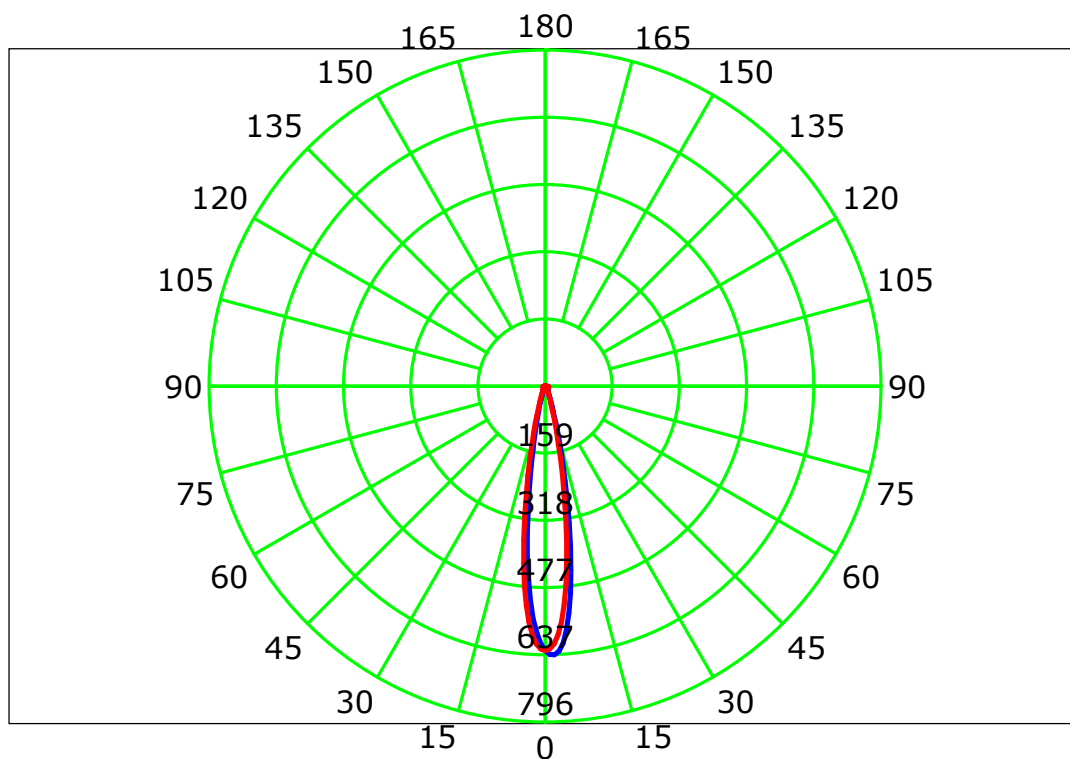
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

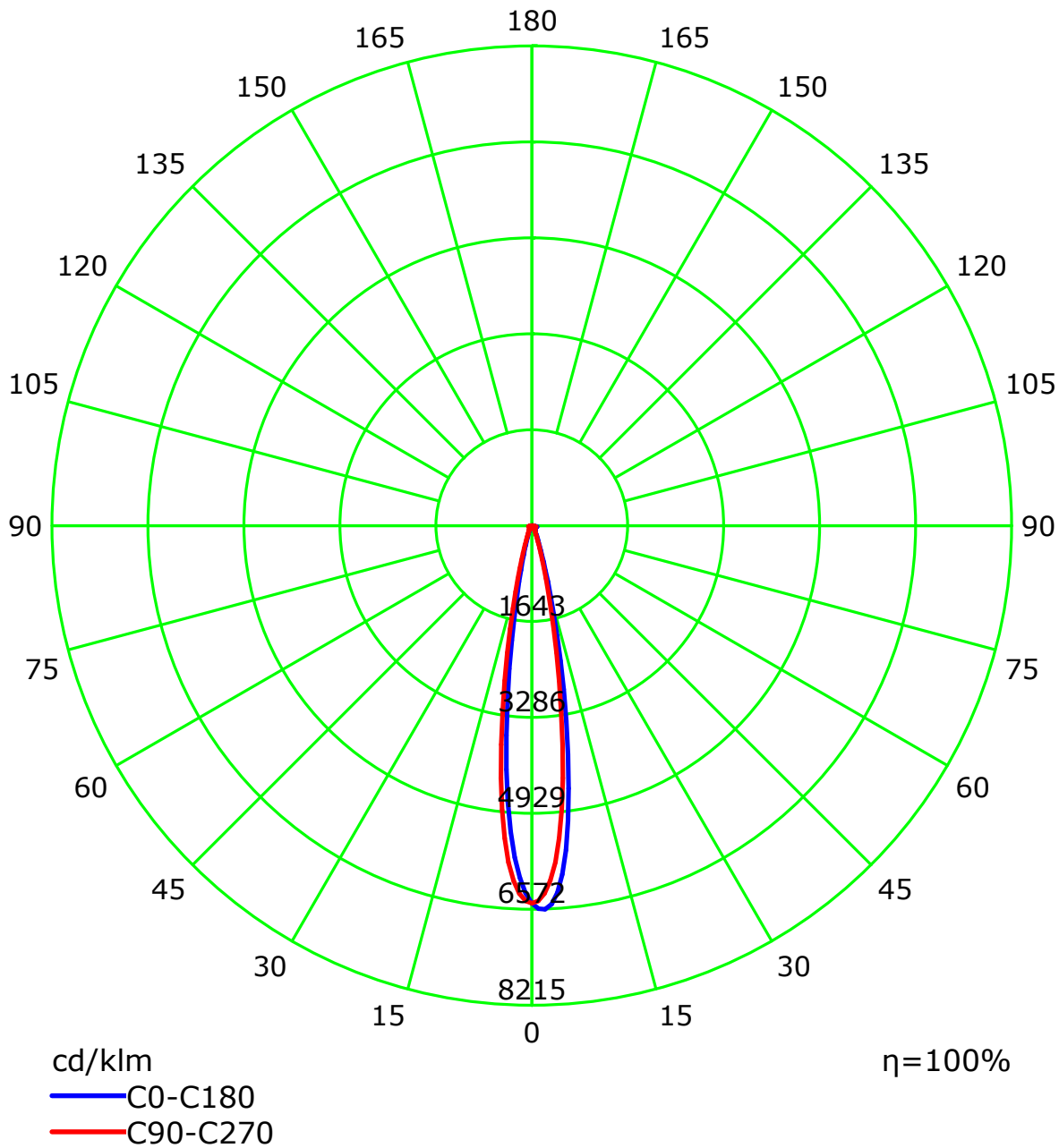
Luminous Intensity Distribution Curve



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:

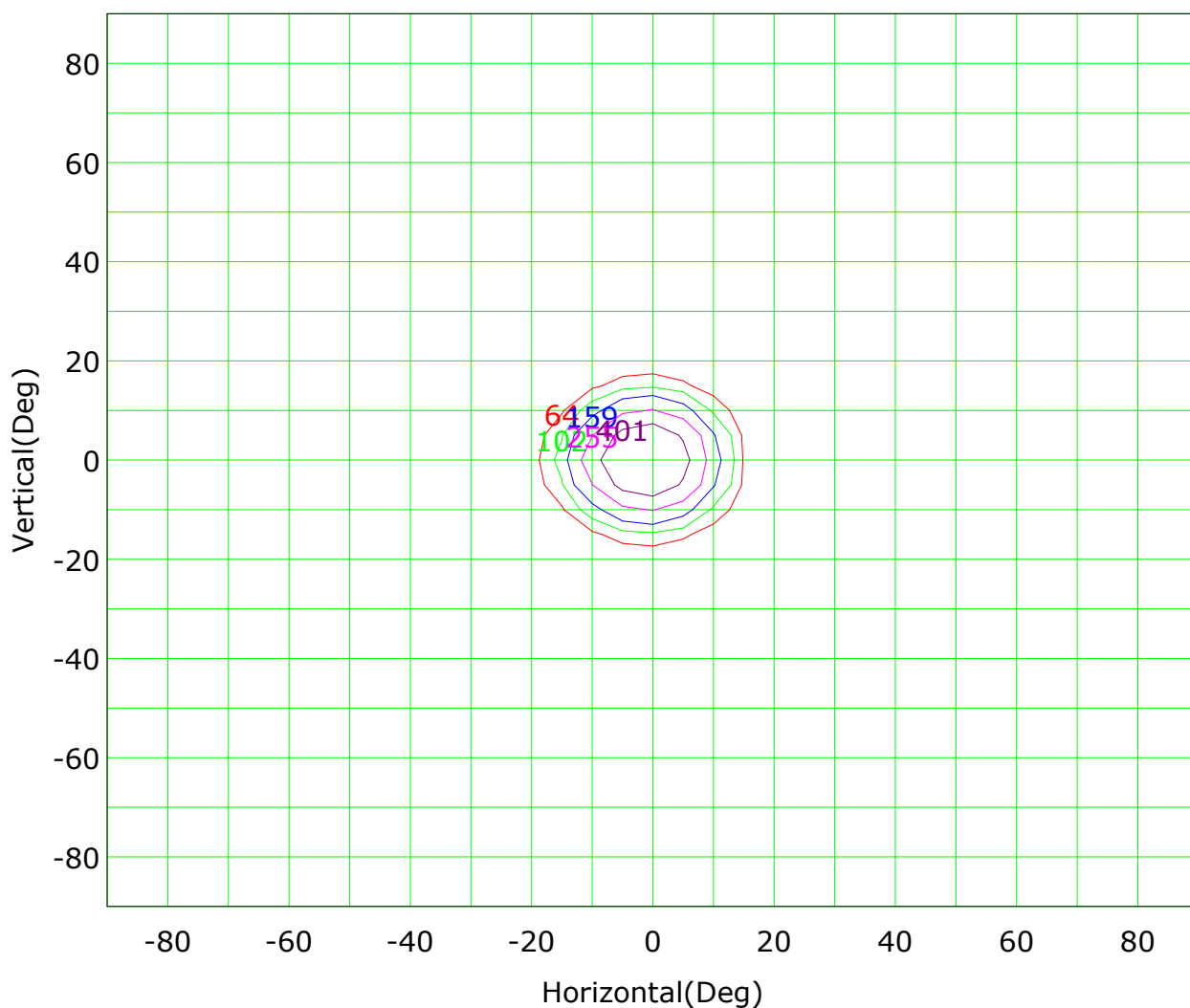
Luminous Intensity Distribution Curve(cd/klm)



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%): 637 cd

(10%): 64 cd	(16%): 102 cd
(25%): 159 cd	(40%): 255 cd
(63%): 401 cd	(100%): 637 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

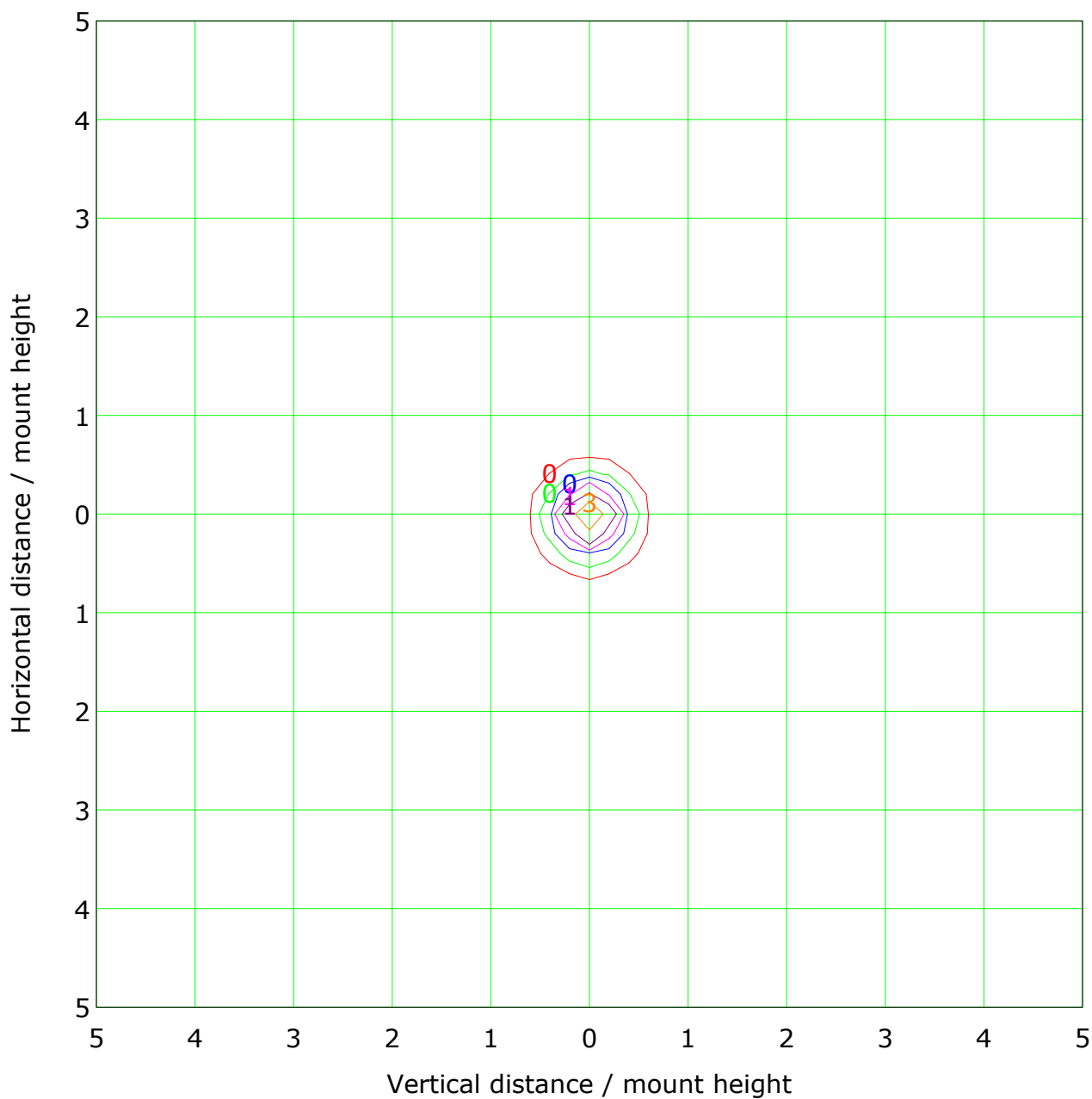
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 6.4 lx

— (1%): 0.1 lx	— (2%): 0.1 lx
— (5%): 0.3 lx	— (10%): 0.6 lx
— (20%): 1.3 lx	— (50%): 3.2 lx
— (100%): 6.4 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

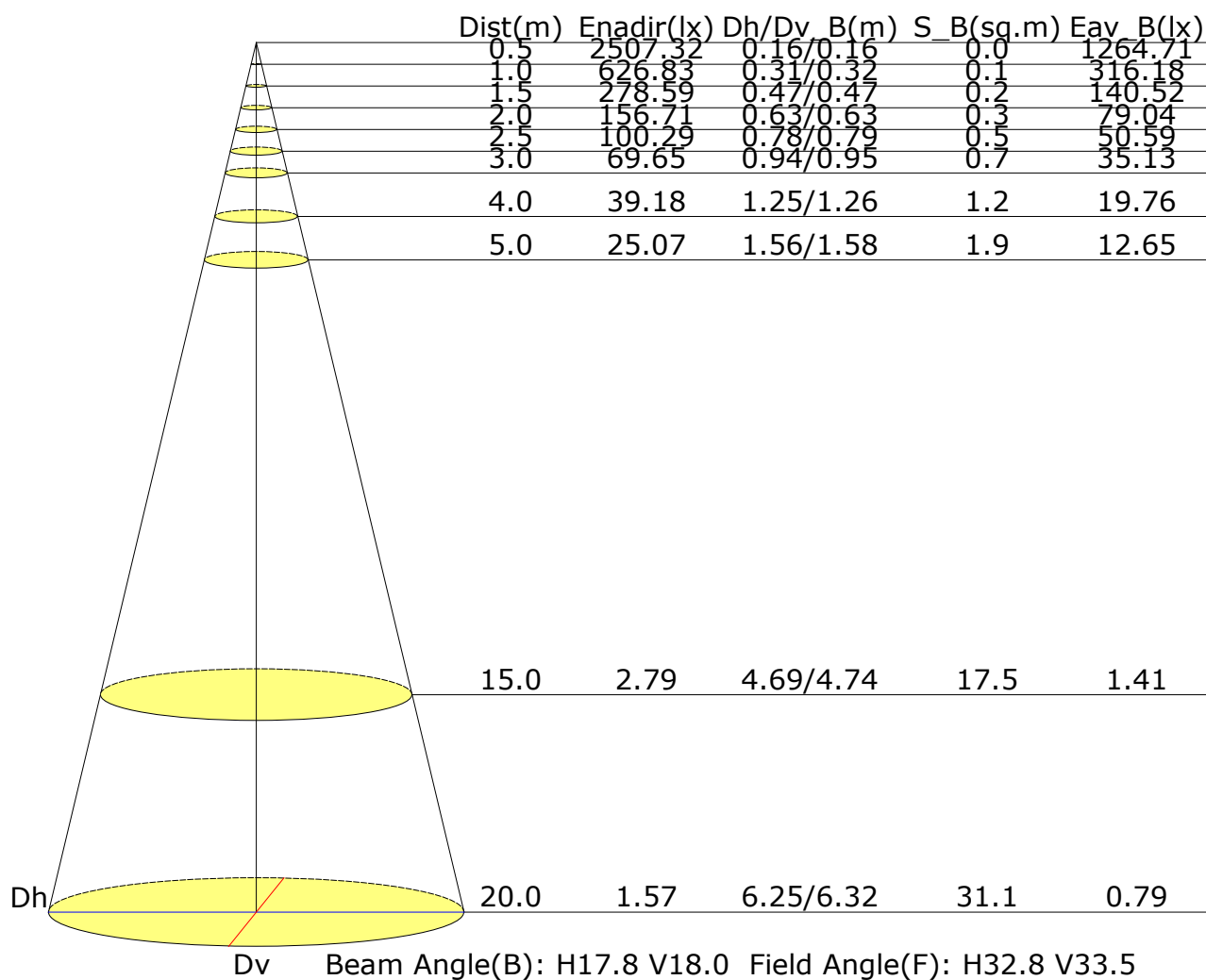
Test Device: CHL-6E

Distance: 3.010 m

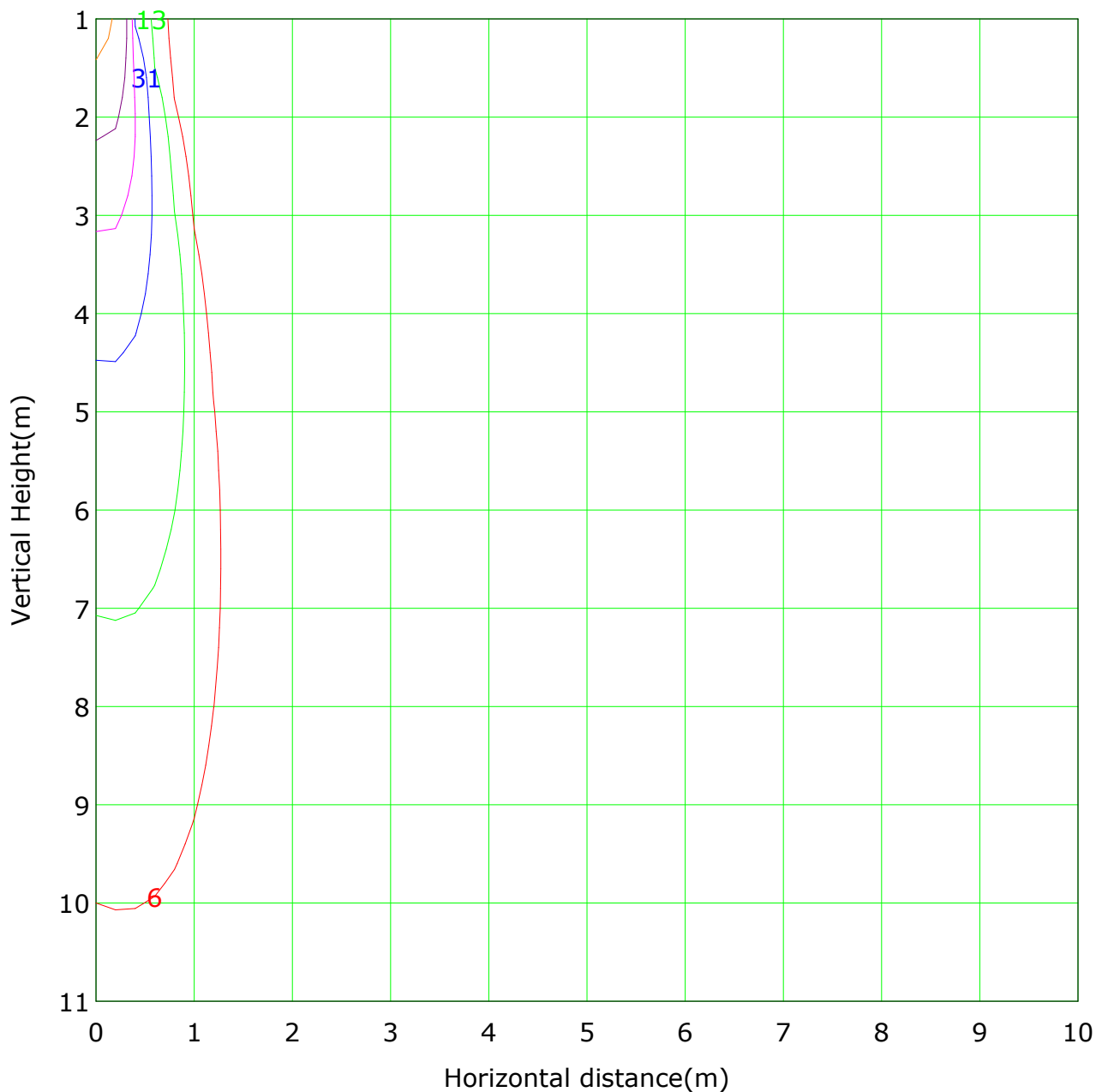
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



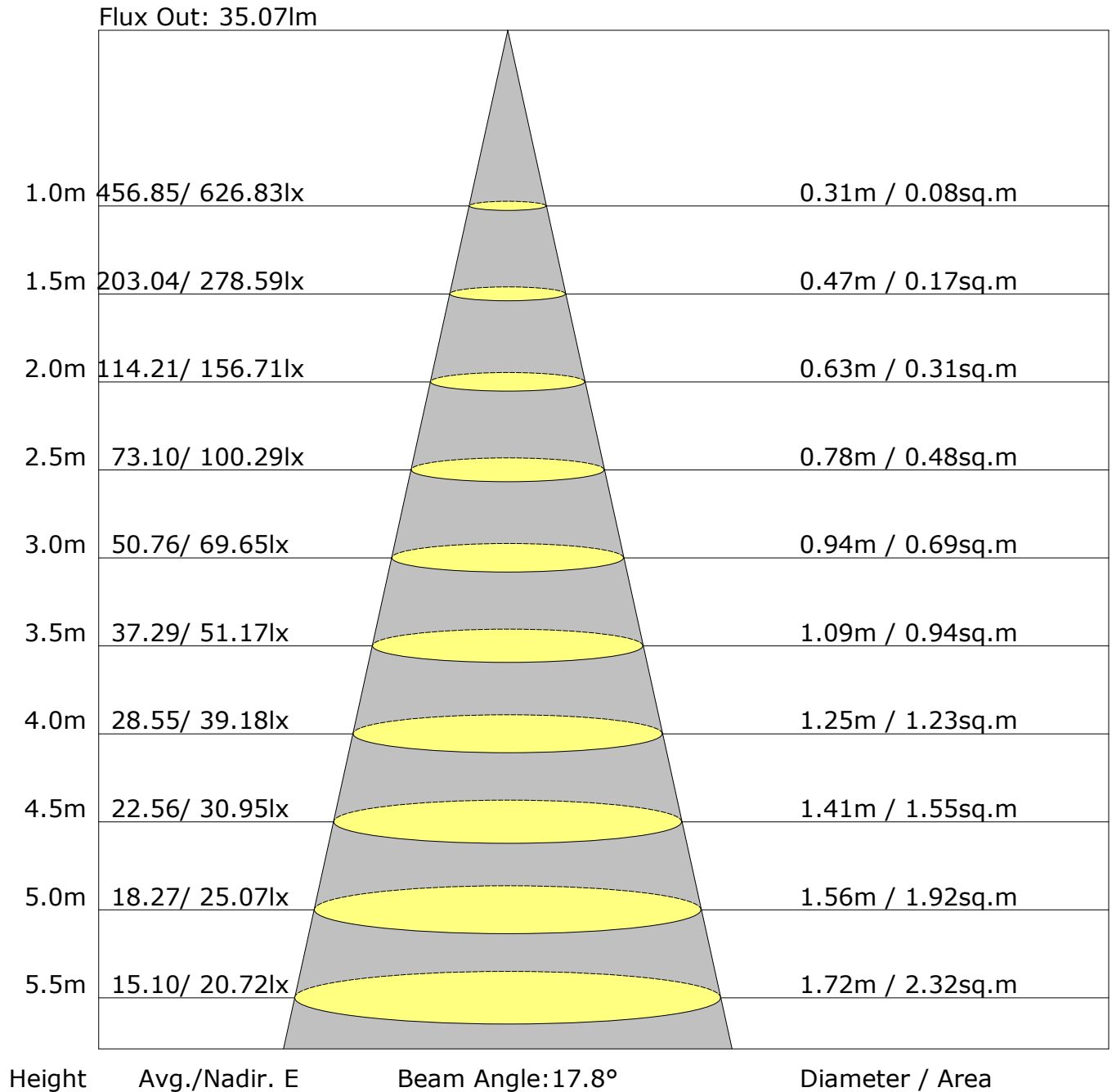
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 626.8 lx
— (1%): 6.3 lx — (2%): 12.5 lx
— (5%): 31.3 lx — (10%): 62.7 lx
— (20%): 125.4 lx — (50%): 313.4 lx
— (100%): 626.8 lx

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



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	18.7	19.4	18.9	19.6	19.8	17.7	18.4	18.0	18.6	18.8
3H	20.0	20.7	20.3	20.9	21.1	19.2	19.9	19.5	20.1	20.3
4H	24.8	25.5	25.1	25.7	26.0	24.1	24.7	24.4	25.0	25.3
6H	28.4	29.1	28.8	29.3	29.6	26.4	27.0	26.8	27.3	27.6
8H	28.6	29.2	28.9	29.4	29.7	26.5	27.1	26.8	27.4	27.7
12H	28.5	29.1	28.9	29.4	29.7	26.4	27.0	26.8	27.3	27.6
X=4H Y=2H	19.1	19.7	19.4	20.0	20.2	18.3	18.9	18.6	19.2	19.5
3H	21.2	21.8	21.6	22.1	22.4	20.8	21.4	21.2	21.7	22.0
4H	26.8	27.3	27.2	27.6	28.0	26.1	26.6	26.5	26.9	27.3
6H	30.1	30.6	30.5	30.9	31.3	28.3	28.8	28.7	29.2	29.5
8H	30.2	30.6	30.6	31.0	31.4	28.4	28.8	28.8	29.2	29.6
12H	30.2	30.5	30.6	31.0	31.4	28.3	28.7	28.8	29.1	29.5
X=8H Y=4H	28.2	28.6	28.6	29.0	29.4	27.7	28.1	28.1	28.5	28.9
6H	31.0	31.3	31.4	31.7	32.2	29.5	29.9	30.0	30.3	30.8
8H	31.1	31.4	31.5	31.8	32.3	29.6	29.9	30.0	30.3	30.8
12H	31.0	31.3	31.5	31.8	32.3	29.5	29.8	30.0	30.3	30.8
X=12H Y=4H	28.2	28.6	28.7	29.0	29.5	27.8	28.2	28.3	28.6	29.0
6H	31.0	31.3	31.5	31.8	32.2	29.6	29.9	30.1	30.4	30.9
8H	31.1	31.4	31.6	31.8	32.3	29.7	29.9	30.2	30.4	30.9
Variations with the observer position at spacings:										
S=1.0H	+0.1/-0.1					+0.1/-0.1				
S=1.5H	+0.2/-0.4					+0.2/-0.2				
S=2.0H	+0.5/-0.4					+0.5/-0.5				

Calculate in accordance with CIE Pub.117. The table is revised with 97lm ($8\log(F/F_0) = -8.1$).

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	54	55.6
	FL (0°-30°)	43	44.1
	FM (30°-60°)	7	7.1
	FH (60°-80°)	4	4.0
	FVH (80°-90°)	0	0.4
	BACK LIGHT	43	44.4
	BL (0°-30°)	34	35.5
	BM (30°-60°)	6	5.8
	BH (60°-80°)	3	2.9
	BVH (80°-90°)	0	0.1
	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)	B0 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 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	625.0	0.6	0.6	0.62	0.62
1.0-2.0	617.1	1.8	2.4	1.83	2.44
2.0-3.0	600.7	2.9	5.2	2.96	5.41
3.0-4.0	575.3	3.9	9.1	3.97	9.38
4.0-5.0	540.6	4.7	13.7	4.80	14.18
5.0-6.0	497.6	5.2	19.0	5.40	19.58
6.0-7.0	448.3	5.6	24.5	5.74	25.32
7.0-8.0	394.6	5.6	30.2	5.83	31.15
8.0-9.0	339.8	5.5	35.7	5.68	36.83
9.0-10.0	286.9	5.2	40.9	5.36	42.18
10.0-11.0	238.2	4.8	45.6	4.91	47.10
11.0-12.0	195.2	4.3	49.9	4.40	51.50
12.0-13.0	158.3	3.8	53.7	3.88	55.38
13.0-14.0	127.4	3.3	56.9	3.36	58.74
14.0-15.0	102.2	2.8	59.7	2.90	61.64
15.0-16.0	82.1	2.4	62.2	2.48	64.12
16.0-17.0	66.2	2.1	64.2	2.13	66.25
17.0-18.0	53.8	1.8	66.0	1.83	68.08
18.0-19.0	44.2	1.5	67.5	1.59	69.67
19.0-20.0	36.9	1.4	68.9	1.39	71.06
20.0-21.0	31.3	1.2	70.1	1.24	72.30
21.0-22.0	26.7	1.1	71.2	1.11	73.41
22.0-23.0	23.2	1.0	72.1	1.00	74.41
23.0-24.0	20.3	0.9	73.0	0.92	75.33
24.0-25.0	17.9	0.8	73.8	0.84	76.17
25.0-26.0	15.9	0.8	74.6	0.78	76.94
26.0-27.0	14.4	0.7	75.3	0.73	77.67
27.0-28.0	13.1	0.7	75.9	0.68	78.35
28.0-29.0	11.9	0.6	76.6	0.64	79.00
29.0-30.0	11.0	0.6	77.2	0.61	79.61
30.0-31.0	10.4	0.6	77.7	0.59	80.21
31.0-32.0	9.8	0.6	78.3	0.58	80.79
32.0-33.0	9.2	0.5	78.8	0.56	81.35
33.0-34.0	8.7	0.5	79.4	0.55	81.89
34.0-35.0	8.3	0.5	79.9	0.53	82.42
35.0-36.0	8.0	0.5	80.4	0.52	82.95

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	7.5	0.5	80.9	0.51	83.46
37.0-38.0	7.2	0.5	81.4	0.50	83.95
38.0-39.0	7.0	0.5	81.9	0.49	84.45
39.0-40.0	6.7	0.5	82.3	0.48	84.93
40.0-41.0	6.3	0.5	82.8	0.47	85.40
41.0-42.0	6.1	0.4	83.2	0.46	85.85
42.0-43.0	6.0	0.4	83.7	0.46	86.31
43.0-44.0	5.8	0.4	84.1	0.45	86.76
44.0-45.0	5.6	0.4	84.5	0.44	87.20
45.0-46.0	5.4	0.4	84.9	0.44	87.64
46.0-47.0	5.2	0.4	85.4	0.43	88.06
47.0-48.0	5.1	0.4	85.8	0.43	88.49
48.0-49.0	5.0	0.4	86.2	0.42	88.91
49.0-50.0	4.7	0.4	86.6	0.40	89.31
50.0-51.0	4.5	0.4	86.9	0.39	89.70
51.0-52.0	4.3	0.4	87.3	0.38	90.08
52.0-53.0	4.0	0.3	87.7	0.36	90.44
53.0-54.0	3.8	0.3	88.0	0.34	90.79
54.0-55.0	3.7	0.3	88.3	0.34	91.12
55.0-56.0	3.5	0.3	88.6	0.33	91.45
56.0-57.0	3.3	0.3	88.9	0.31	91.76
57.0-58.0	3.1	0.3	89.2	0.29	92.05
58.0-59.0	2.9	0.3	89.5	0.28	92.33
59.0-60.0	2.7	0.3	89.7	0.26	92.59
60.0-61.0	2.6	0.2	90.0	0.25	92.84
61.0-62.0	2.4	0.2	90.2	0.23	93.08
62.0-63.0	2.1	0.2	90.4	0.21	93.29
63.0-64.0	2.0	0.2	90.6	0.20	93.49
64.0-65.0	1.9	0.2	90.8	0.20	93.68
65.0-66.0	1.8	0.2	91.0	0.19	93.87
66.0-67.0	1.7	0.2	91.2	0.17	94.04
67.0-68.0	1.5	0.2	91.3	0.16	94.20
68.0-69.0	1.5	0.2	91.5	0.16	94.36
69.0-70.0	1.8	0.2	91.6	0.19	94.55
70.0-71.0	2.3	0.2	91.9	0.24	94.79
71.0-72.0	3.0	0.3	92.2	0.33	95.12

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
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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	626.8	626.8								
G1.0	635.8	610.5								
G2.0	637.0	585.1								
G3.0	628.9	551.6								
G4.0	610.9	509.6								
G5.0	581.0	460.8								
G6.0	541.4	407.2								
G7.0	493.7	350.9								
G8.0	440.4	293.7								
G9.0	384.5	240.5								
G10.0	329.3	193.4								
G11.0	276.7	153.6								
G12.0	229.6	121.0								
G13.0	187.4	95.2								
G14.0	151.0	76.0								
G15.0	121.0	61.0								
G16.0	96.8	49.7								
G17.0	77.8	40.7								
G18.0	63.2	33.6								
G19.0	52.1	27.9								
G20.0	43.8	23.9								
G21.0	36.9	20.4								
G22.0	31.4	18.0								
G23.0	27.3	15.9								
G24.0	23.9	14.3								
G25.0	20.9	12.8								
G26.0	18.5	11.6								
G27.0	16.8	10.7								
G28.0	15.2	9.8								
G29.0	13.7	9.2								
G30.0	12.8	8.6								
G31.0	12.0	8.1								
G32.0	11.3	7.7								
G33.0	10.8	7.2								
G34.0	10.1	6.9								
G35.0	9.6	6.6								
G36.0	9.2	6.5								

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: 3.010 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	8.6	6.0								
G38.0	8.4	6.0								
G39.0	8.0	5.7								
G40.0	7.7	5.4								
G41.0	7.2	5.1								
G42.0	6.9	5.1								
G43.0	6.9	4.9								
G44.0	6.6	4.7								
G45.0	6.3	4.8								
G46.0	6.2	4.3								
G47.0	5.9	4.3								
G48.0	6.0	4.2								
G49.0	5.7	3.9								
G50.0	5.4	3.6								
G51.0	5.4	3.5								
G52.0	5.1	3.3								
G53.0	4.8	2.8								
G54.0	4.8	2.7								
G55.0	4.8	2.4								
G56.0	4.3	2.4								
G57.0	4.1	2.3								
G58.0	3.9	2.1								
G59.0	3.9	1.6								
G60.0	3.5	1.6								
G61.0	3.5	1.8								
G62.0	2.8	1.4								
G63.0	2.8	1.2								
G64.0	2.7	1.2								
G65.0	2.7	1.0								
G66.0	2.4	1.0								
G67.0	2.4	0.8								
G68.0	2.3	0.6								
G69.0	2.3	1.0								
G70.0	2.0	2.0								
G71.0	2.0	3.3								
G72.0	2.5	4.3								
G73.0	4.2	5.4								

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: