

Test Time: 2025-09-16 14:53

Luminaire Property

Luminous Length (mm): -575

Voltage: 229.4 V

Power: 29.40 W

Current: 0.133 A

Power Factor: 0.964

Photometric Results

Total Rated Lamp Lumens: 2366.5 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(50%): H36.4

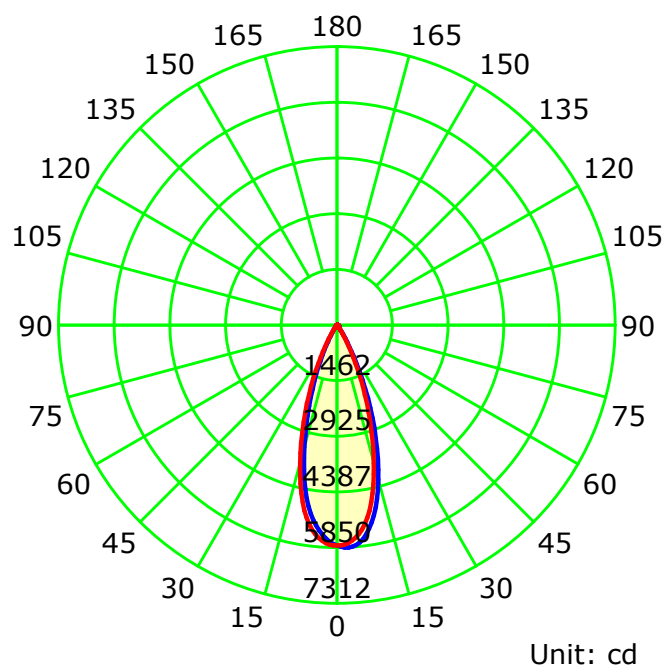
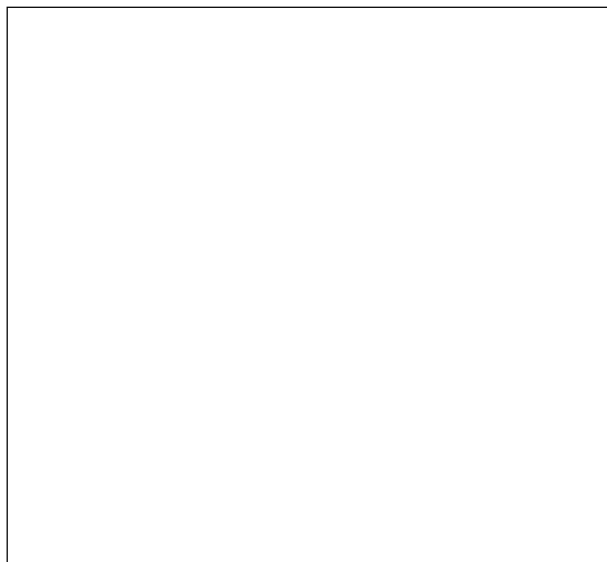
Vertical Diffuse Angle(50%): V36.4

Central Intensity: 5791.35 cd

Pos of Max. Intensity: H0 V3

S/MH(C90/C270): 0.60

Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

Gamma Plane (°):0.0-90.0:1.0

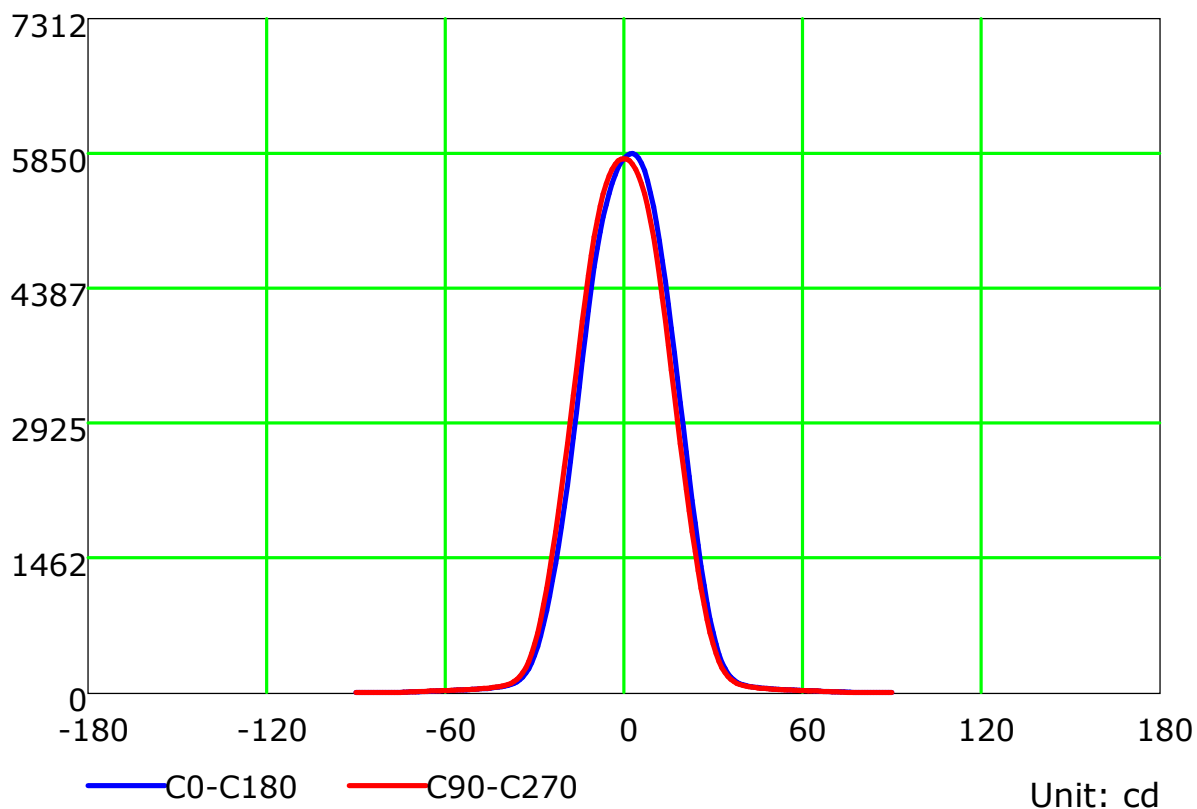
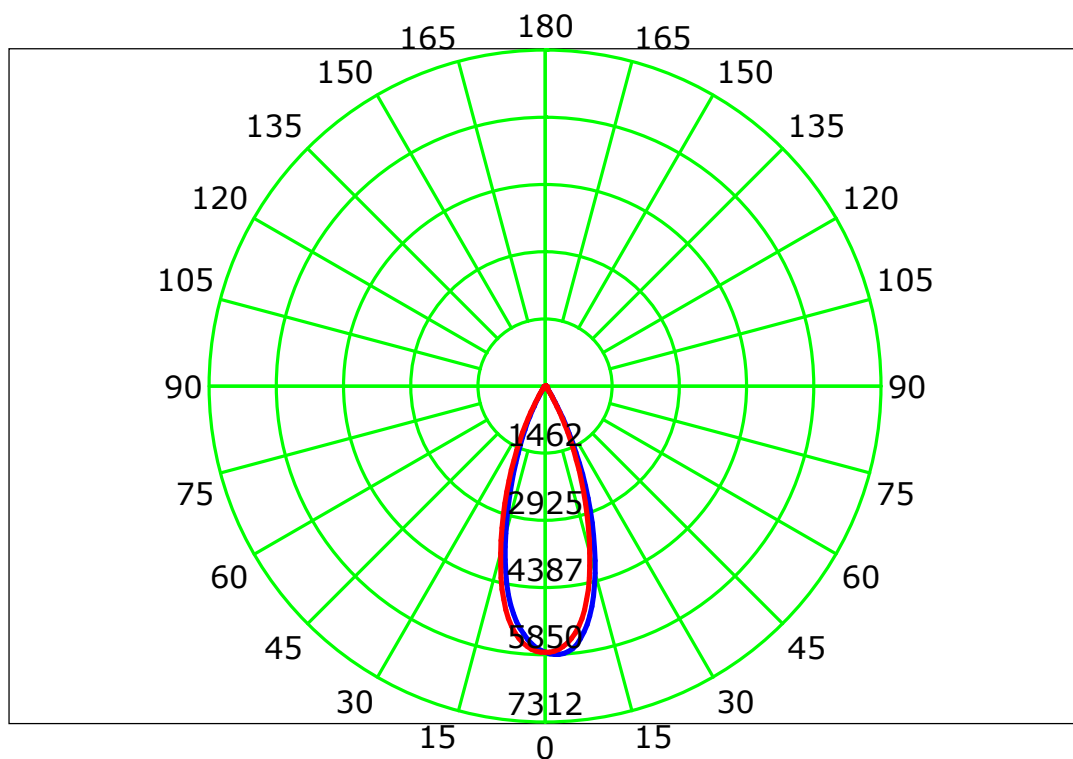
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

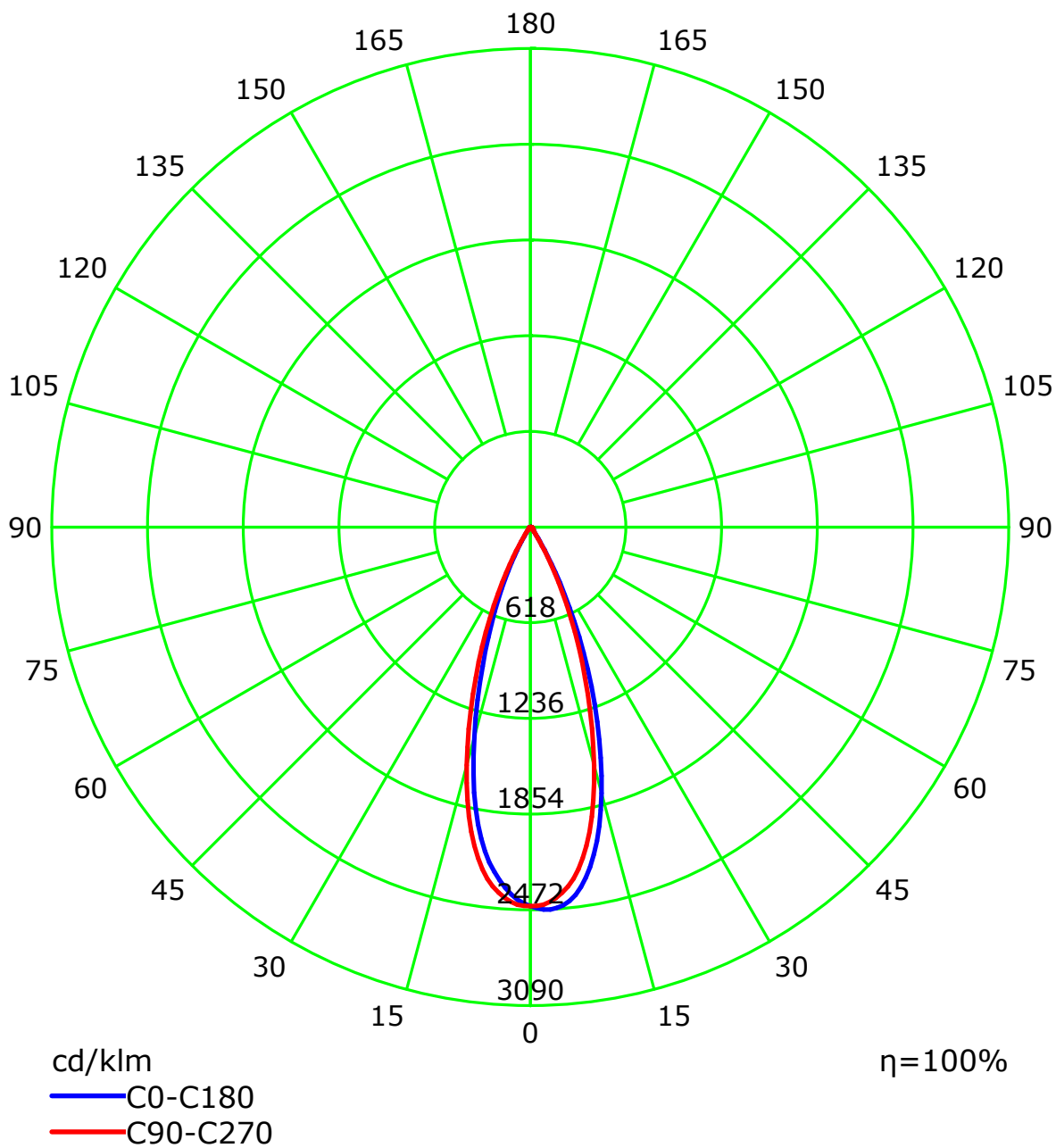
Luminous Intensity Distribution Curve



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:

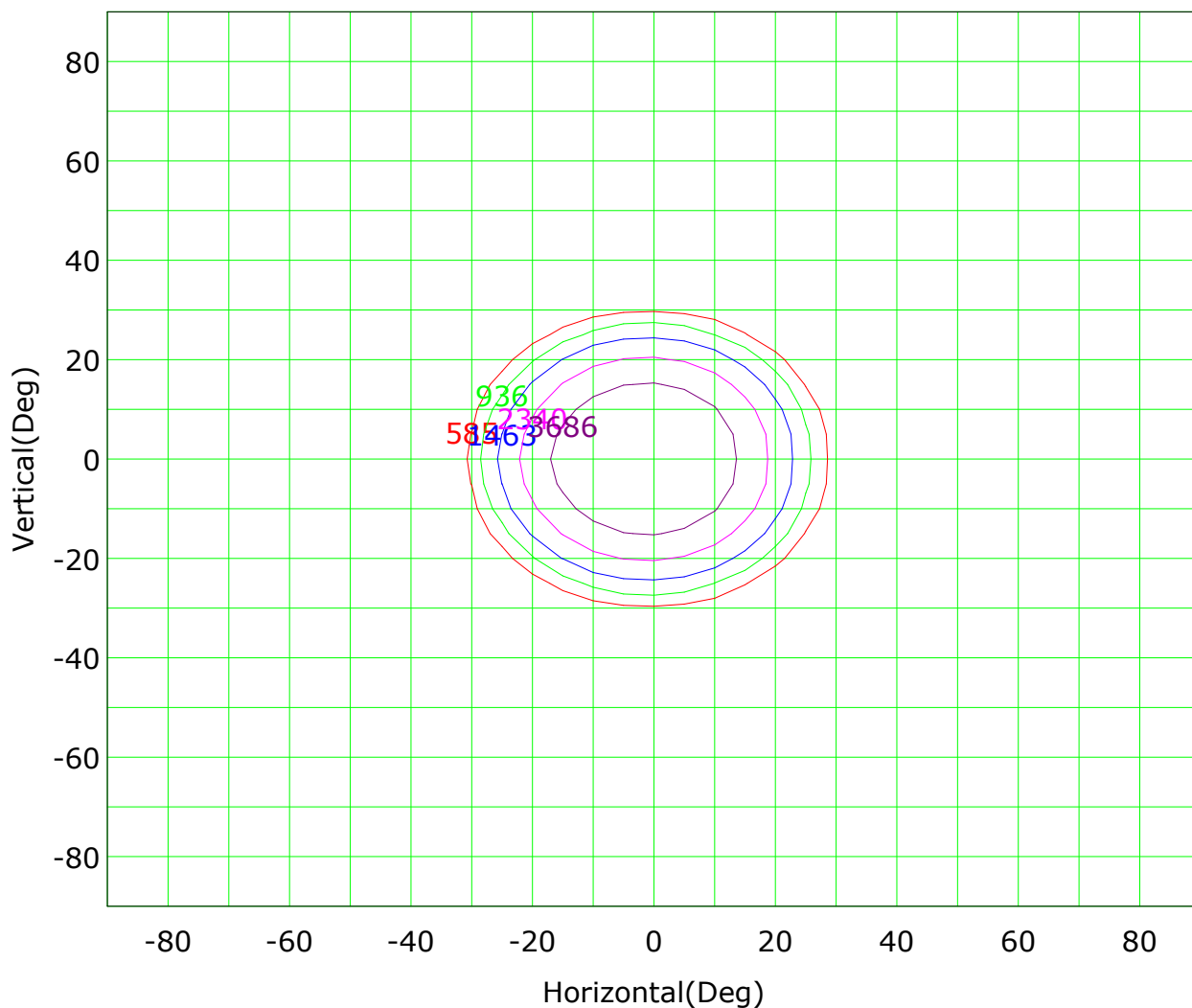
Luminous Intensity Distribution Curve(cd/klm)



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%): 5850 cd

(10%): 585 cd	(16%): 936 cd
(25%): 1463 cd	(40%): 2340 cd
(63%): 3686 cd	(100%): 5850 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

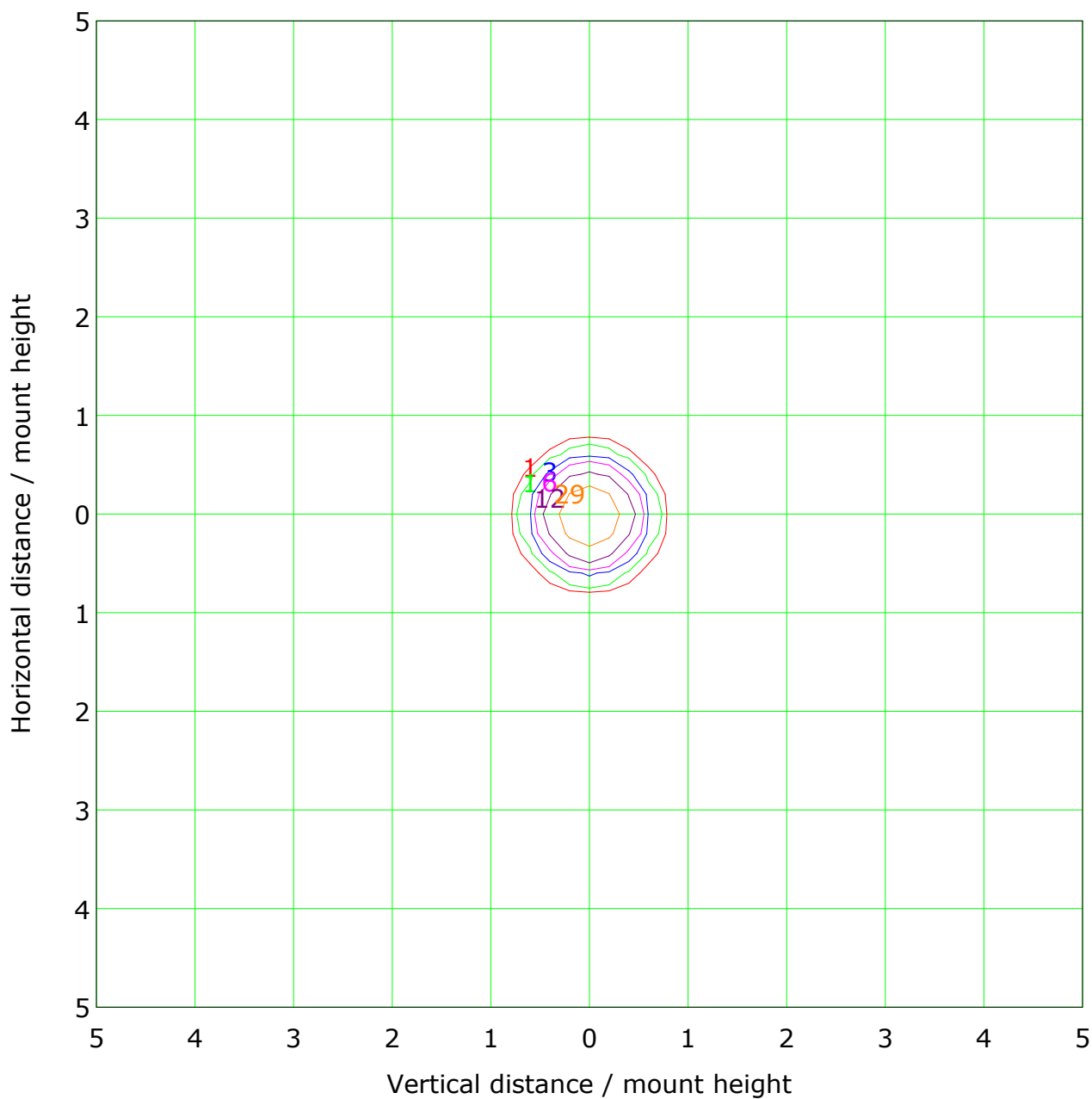
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



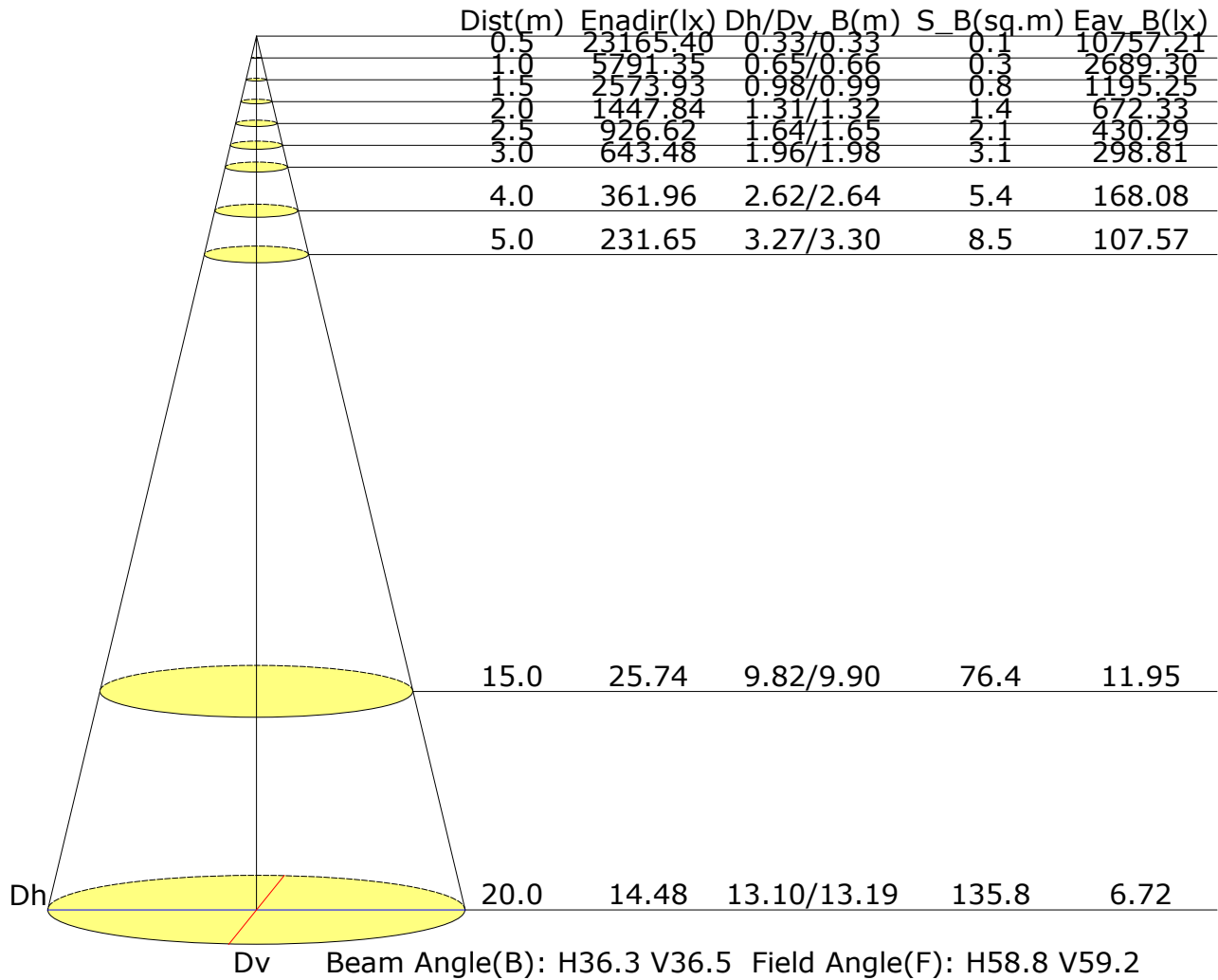
Mounting Height: 10.0m Max Lux(100%): 58.4 lx

(1%): 0.6 lx	(2%): 1.2 lx
(5%): 2.9 lx	(10%): 5.8 lx
(20%): 11.7 lx	(50%): 29.2 lx
(100%): 58.4 lx	

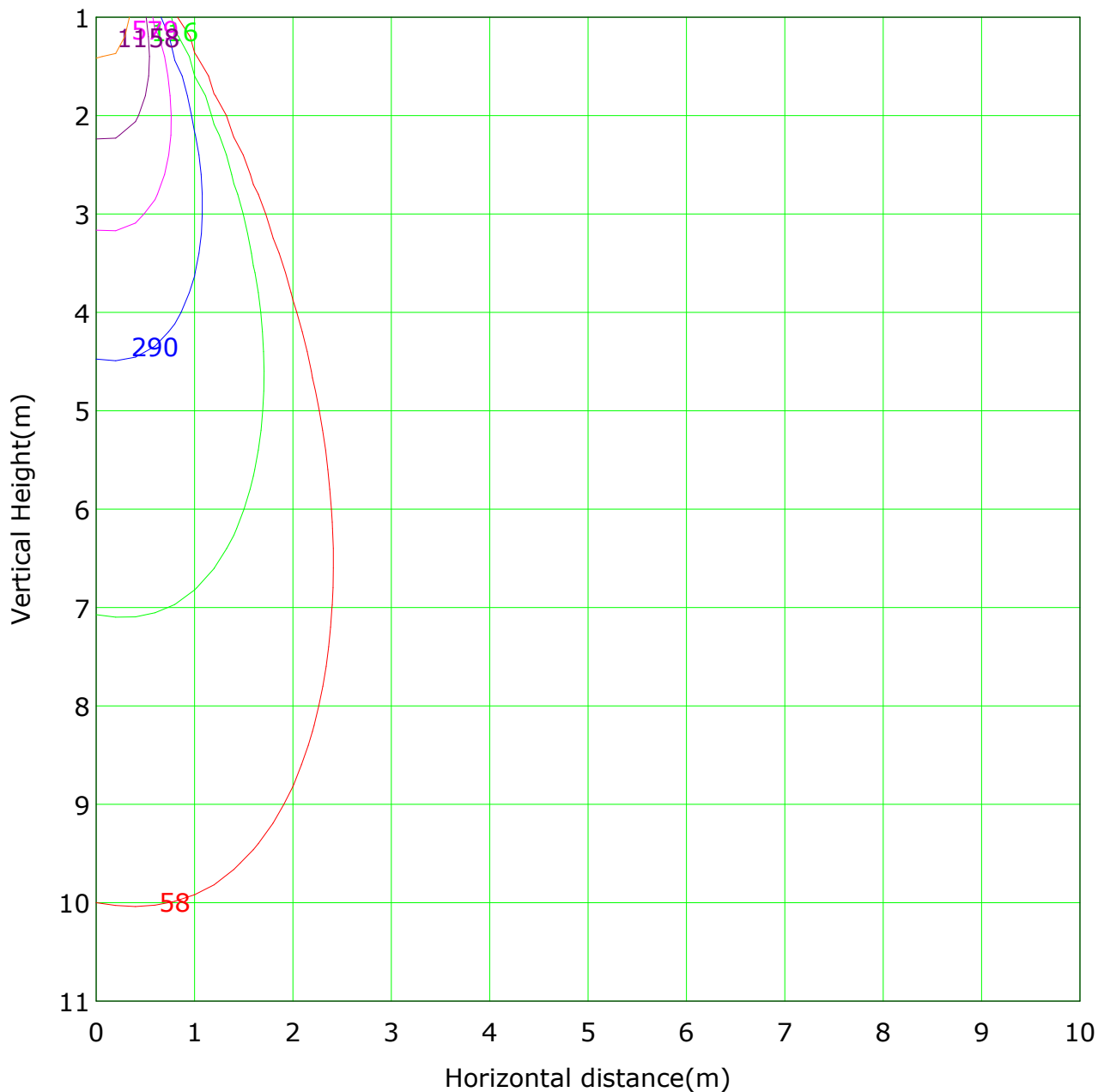
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5791.4 lx

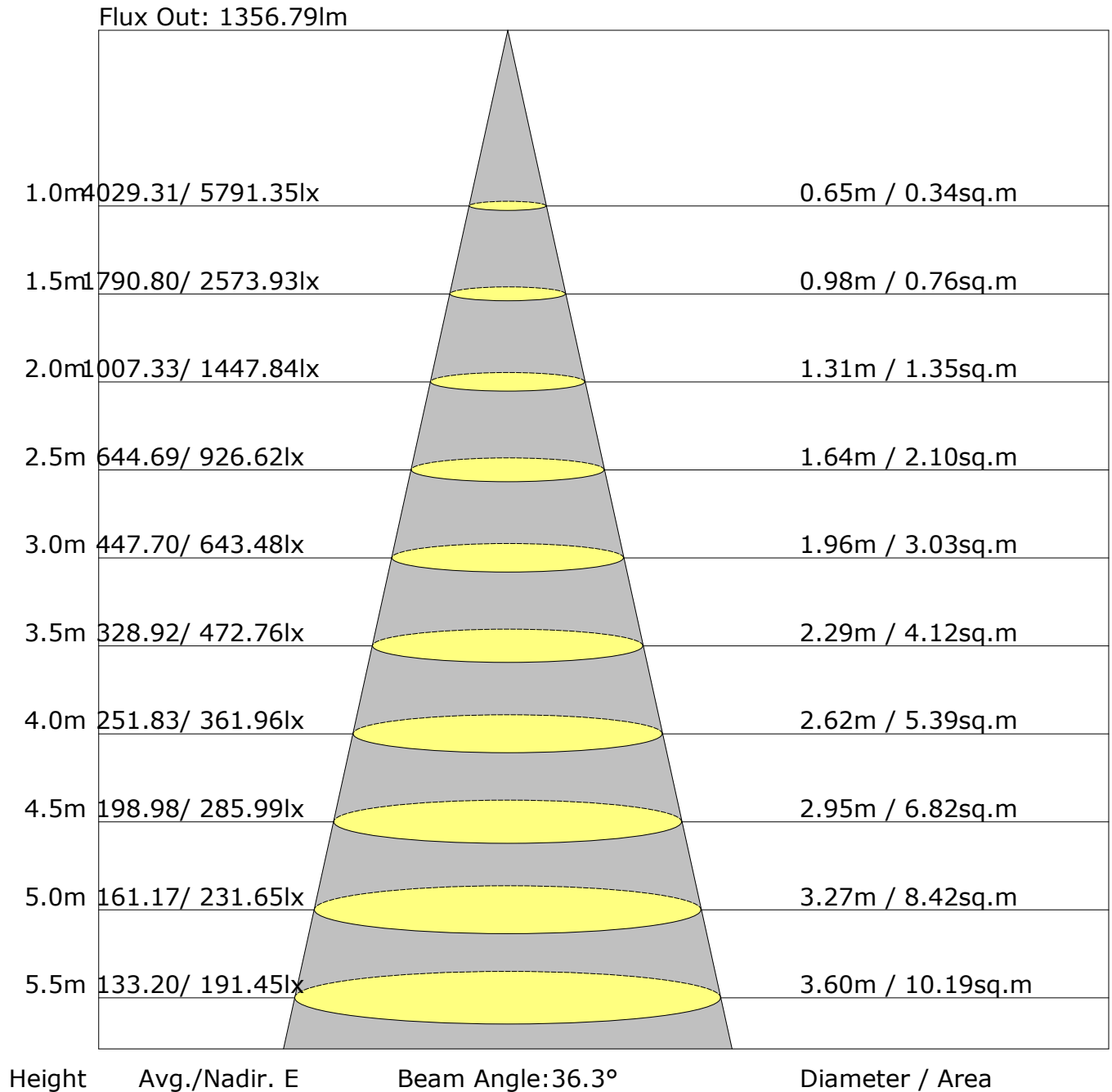
(1%): 57.9 lx	(2%): 115.8 lx
(5%): 289.6 lx	(10%): 579.1 lx
(20%): 1158.3 lx	(50%): 2895.7 lx
(100%): 5791.4 lx	

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: 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



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:

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	14.0	14.8	14.3	14.9	15.1	13.5	14.2	13.7	14.4	14.6
3H	14.4	15.0	14.6	15.2	15.5	13.8	14.4	14.1	14.7	14.9
4H	14.4	15.0	14.7	15.3	15.5	13.8	14.4	14.1	14.7	14.9
6H	14.3	14.9	14.7	15.2	15.5	13.8	14.3	14.1	14.6	14.9
8H	14.3	14.8	14.6	15.1	15.4	13.7	14.3	14.1	14.6	14.9
12H	14.3	14.8	14.6	15.1	15.4	13.7	14.2	14.0	14.5	14.8
X=4H Y=2H	14.1	14.7	14.4	15.0	15.3	13.6	14.2	13.9	14.5	14.7
3H	14.5	15.1	14.9	15.4	15.7	14.0	14.6	14.4	14.9	15.2
4H	14.6	15.1	15.0	15.4	15.8	14.1	14.5	14.5	14.9	15.2
6H	14.5	14.9	14.9	15.3	15.7	14.0	14.4	14.4	14.8	15.2
8H	14.5	14.9	14.9	15.3	15.7	14.0	14.3	14.4	14.7	15.1
12H	14.4	14.8	14.9	15.2	15.6	13.9	14.2	14.3	14.7	15.1
X=8H Y=4H	14.5	14.9	15.0	15.3	15.7	14.0	14.4	14.4	14.8	15.2
6H	14.5	14.8	14.9	15.2	15.6	13.9	14.2	14.4	14.7	15.1
8H	14.4	14.7	14.9	15.1	15.6	13.9	14.1	14.4	14.6	15.1
12H	14.4	14.6	14.8	15.1	15.6	13.8	14.1	14.3	14.5	15.0
X=12H Y=4H	14.5	14.8	14.9	15.2	15.7	14.0	14.3	14.4	14.7	15.1
6H	14.4	14.7	14.9	15.1	15.6	13.9	14.2	14.4	14.6	15.1
8H	14.4	14.6	14.8	15.1	15.6	13.8	14.1	14.3	14.5	15.0
Variations with the observer position at spacings:										
S=1.0H	+3.9/-2.4					+3.5/-2.2				
S=1.5H	+6.4/-3.1					+5.9/-3.0				
S=2.0H	+8.2/-4.3					+7.7/-4.2				

Calculate in accordance with CIE Pub.117. The table is revised with 2366lm ($8\log(F/F_0) = 3.0$).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1258	53.2
	FL (0°-30°)	1140	48.2
	FM (30°-60°)	107	4.5
	FH (60°-80°)	11	0.4
	FVH (80°-90°)	0	0.0
	BACK LIGHT	1109	46.8
	BL (0°-30°)	1007	42.6
	BM (30°-60°)	92	3.9
	BH (60°-80°)	10	0.4
	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)	B3 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 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	5789.9	5.5	5.5	0.23	0.23
1.0-2.0	5780.5	16.6	22.1	0.70	0.94
2.0-3.0	5753.8	27.5	49.7	1.16	2.10
3.0-4.0	5707.1	38.2	87.9	1.61	3.71
4.0-5.0	5643.2	48.6	136.4	2.05	5.76
5.0-6.0	5563.9	58.5	194.9	2.47	8.24
6.0-7.0	5466.3	67.9	262.8	2.87	11.10
7.0-8.0	5344.8	76.5	339.3	3.23	14.34
8.0-9.0	5199.4	84.3	423.5	3.56	17.90
9.0-10.0	5033.0	91.1	514.6	3.85	21.75
10.0-11.0	4843.8	96.8	611.4	4.09	25.84
11.0-12.0	4633.9	101.3	712.7	4.28	30.12
12.0-13.0	4404.2	104.5	817.3	4.42	34.54
13.0-14.0	4157.1	106.4	923.7	4.50	39.03
14.0-15.0	3898.3	107.0	1030.7	4.52	43.56
15.0-16.0	3632.6	106.5	1137.2	4.50	48.05
16.0-17.0	3363.0	104.7	1241.9	4.43	52.48
17.0-18.0	3094.7	102.1	1344.0	4.31	56.79
18.0-19.0	2831.4	98.5	1442.5	4.16	60.96
19.0-20.0	2574.8	94.3	1536.7	3.98	64.94
20.0-21.0	2328.0	89.4	1626.2	3.78	68.72
21.0-22.0	2089.6	84.0	1710.1	3.55	72.26
22.0-23.0	1858.6	78.0	1788.1	3.30	75.56
23.0-24.0	1637.4	71.6	1859.7	3.03	78.59
24.0-25.0	1426.8	64.9	1924.6	2.74	81.33
25.0-26.0	1227.4	57.9	1982.6	2.45	83.78
26.0-27.0	1042.7	51.0	2033.6	2.16	85.93
27.0-28.0	873.1	44.2	2077.8	1.87	87.80
28.0-29.0	720.8	37.7	2115.5	1.59	89.39
29.0-30.0	588.8	31.8	2147.3	1.34	90.74
30.0-31.0	476.4	26.5	2173.8	1.12	91.86
31.0-32.0	380.9	21.8	2195.6	0.92	92.78
32.0-33.0	303.7	17.9	2213.5	0.76	93.54
33.0-34.0	243.3	14.7	2228.3	0.62	94.16
34.0-35.0	195.2	12.1	2240.4	0.51	94.67
35.0-36.0	158.7	10.1	2250.5	0.43	95.10

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	131.0	8.5	2259.0	0.36	95.46
37.0-38.0	109.5	7.3	2266.3	0.31	95.77
38.0-39.0	94.1	6.4	2272.8	0.27	96.04
39.0-40.0	82.5	5.8	2278.5	0.24	96.28
40.0-41.0	74.1	5.3	2283.8	0.22	96.51
41.0-42.0	67.8	4.9	2288.7	0.21	96.71
42.0-43.0	62.5	4.6	2293.3	0.20	96.91
43.0-44.0	58.3	4.4	2297.7	0.19	97.10
44.0-45.0	54.1	4.2	2301.9	0.18	97.27
45.0-46.0	49.9	3.9	2305.8	0.16	97.44
46.0-47.0	46.7	3.7	2309.5	0.16	97.59
47.0-48.0	44.9	3.6	2313.1	0.15	97.75
48.0-49.0	42.5	3.5	2316.6	0.15	97.89
49.0-50.0	39.3	3.3	2319.9	0.14	98.03
50.0-51.0	36.9	3.1	2323.0	0.13	98.16
51.0-52.0	35.1	3.0	2326.0	0.13	98.29
52.0-53.0	33.0	2.9	2328.9	0.12	98.41
53.0-54.0	31.2	2.8	2331.7	0.12	98.53
54.0-55.0	30.2	2.7	2334.4	0.11	98.64
55.0-56.0	29.5	2.7	2337.0	0.11	98.76
56.0-57.0	28.1	2.6	2339.6	0.11	98.86
57.0-58.0	25.6	2.4	2342.0	0.10	98.96
58.0-59.0	24.2	2.3	2344.2	0.10	99.06
59.0-60.0	23.2	2.2	2346.4	0.09	99.15
60.0-61.0	22.1	2.1	2348.5	0.09	99.24
61.0-62.0	20.7	2.0	2350.5	0.08	99.33
62.0-63.0	19.7	1.9	2352.4	0.08	99.41
63.0-64.0	18.6	1.8	2354.3	0.08	99.48
64.0-65.0	17.6	1.7	2356.0	0.07	99.56
65.0-66.0	15.8	1.6	2357.6	0.07	99.62
66.0-67.0	13.0	1.3	2358.9	0.06	99.68
67.0-68.0	11.9	1.2	2360.1	0.05	99.73
68.0-69.0	11.2	1.1	2361.2	0.05	99.78
69.0-70.0	10.2	1.0	2362.3	0.04	99.82
70.0-71.0	9.1	0.9	2363.2	0.04	99.86
71.0-72.0	8.4	0.9	2364.1	0.04	99.90

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: 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	5791.4	5791.4								
G1.0	5823.6	5753.4								
G2.0	5846.1	5698.7								
G3.0	5850.3	5620.0								
G4.0	5833.5	5524.5								
G5.0	5798.4	5416.4								
G6.0	5743.6	5297.0								
G7.0	5663.6	5160.8								
G8.0	5552.6	5002.1								
G9.0	5420.6	4822.4								
G10.0	5271.8	4617.4								
G11.0	5096.2	4389.9								
G12.0	4902.4	4146.9								
G13.0	4689.0	3878.7								
G14.0	4457.3	3603.4								
G15.0	4211.5	3321.2								
G16.0	3955.9	3041.7								
G17.0	3687.7	2766.5								
G18.0	3418.1	2506.7								
G19.0	3148.4	2252.5								
G20.0	2880.2	2018.0								
G21.0	2612.0	1801.7								
G22.0	2348.0	1596.7								
G23.0	2086.8	1402.9								
G24.0	1838.2	1221.7								
G25.0	1598.1	1049.0								
G26.0	1372.0	890.3								
G27.0	1162.8	745.7								
G28.0	969.0	615.1								
G29.0	796.2	502.7								
G30.0	651.6	404.4								
G31.0	525.2	324.4								
G32.0	415.7	258.4								
G33.0	328.6	212.1								
G34.0	262.6	169.9								
G35.0	207.8	140.4								
G36.0	168.5	118.0								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	137.6	99.7								
G38.0	113.8	87.1								
G39.0	96.9	78.6								
G40.0	84.3	70.2								
G41.0	77.2	64.6								
G42.0	68.8	60.4								
G43.0	64.6	56.2								
G44.0	59.0	53.4								
G45.0	56.2	47.8								
G46.0	50.5	44.9								
G47.0	47.8	43.5								
G48.0	46.3	42.1								
G49.0	42.1	39.3								
G50.0	39.3	36.5								
G51.0	36.5	35.1								
G52.0	36.5	32.3								
G53.0	33.7	29.5								
G54.0	32.3	29.5								
G55.0	30.9	28.1								
G56.0	30.9	28.1								
G57.0	28.1	25.3								
G58.0	25.3	23.9								
G59.0	25.3	22.5								
G60.0	23.9	21.1								
G61.0	22.5	21.1								
G62.0	21.1	18.3								
G63.0	21.1	18.3								
G64.0	18.3	16.9								
G65.0	18.3	16.9								
G66.0	15.4	12.6								
G67.0	12.6	11.2								
G68.0	12.6	11.2								
G69.0	11.2	9.8								
G70.0	9.8	9.8								
G71.0	9.8	7.0								
G72.0	9.8	7.0								
G73.0	7.0	4.2								

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: 2.905 m

Humidity:

Inspector:

Unit: cd

Inspector: