

Report No.:

Test Time: 2025-09-11 17:23

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FLEXI 白色下层杯款 24D 2025.9.11

Luminous Length (mm): -68

Voltage: 230.0 V

Power: 14.80 W

Luminous Width (mm): -68

Current: 0.108 A

Power Factor: 0.593

Photometric Results

CIE Class: Direct

Measurement Flux: 1527.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H29.8

Vertical Diffuse Angle(50%): V29.8

Luminaire Efficacy Rating (LER): 103.29

Max. Intensity: 6048.34 cd

S/MH(C0/C180): 0.51

Total Rated Lamp Lumens: 1527.9 lm

Efficiency: 100%

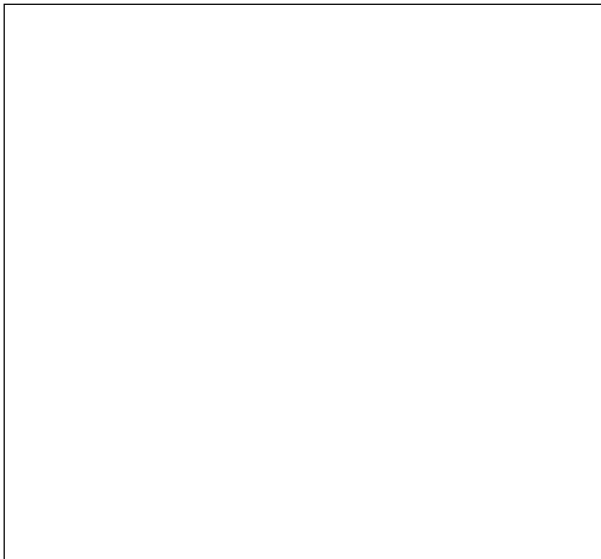
Upward Ratio: 0%

Central Intensity: 6038.5 cd

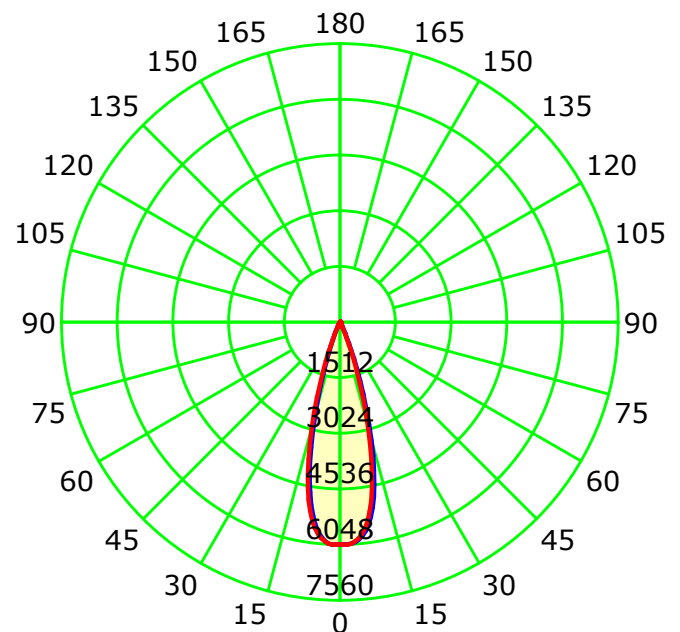
Pos of Max. Intensity: H180 V2

S/MH(C90/C270): 0.51

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

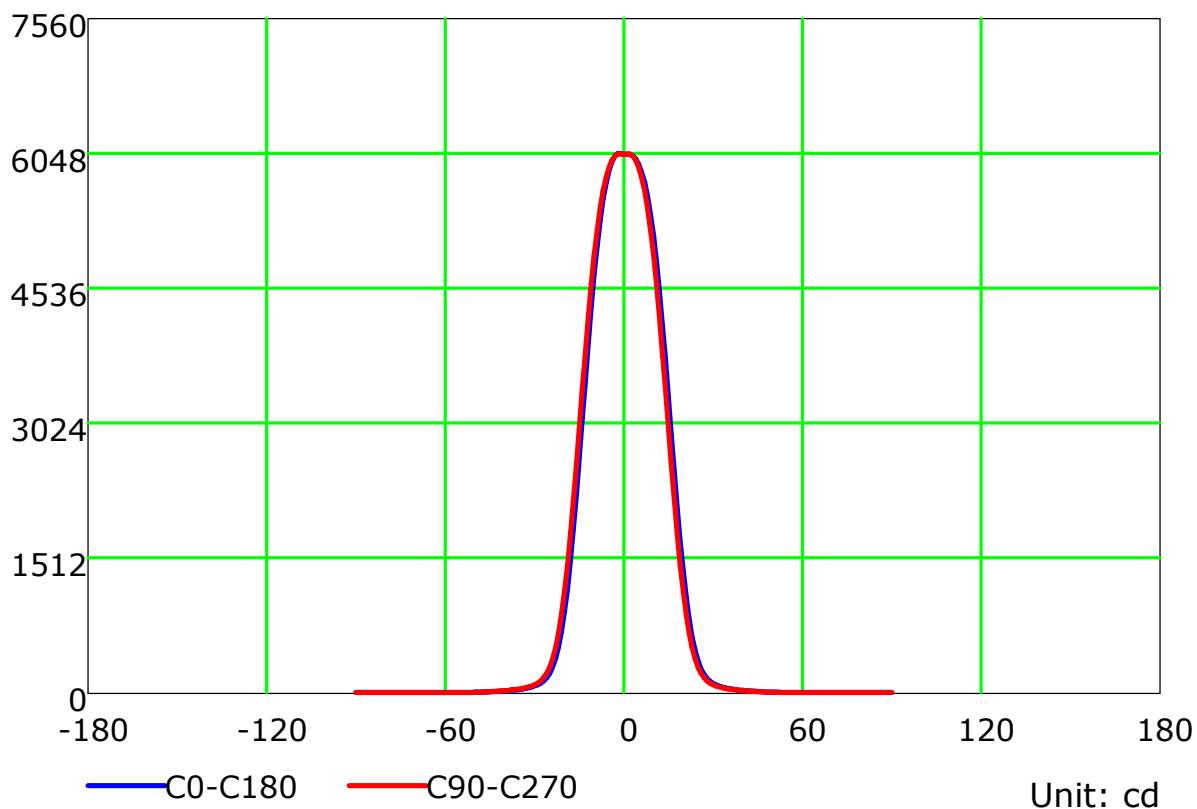
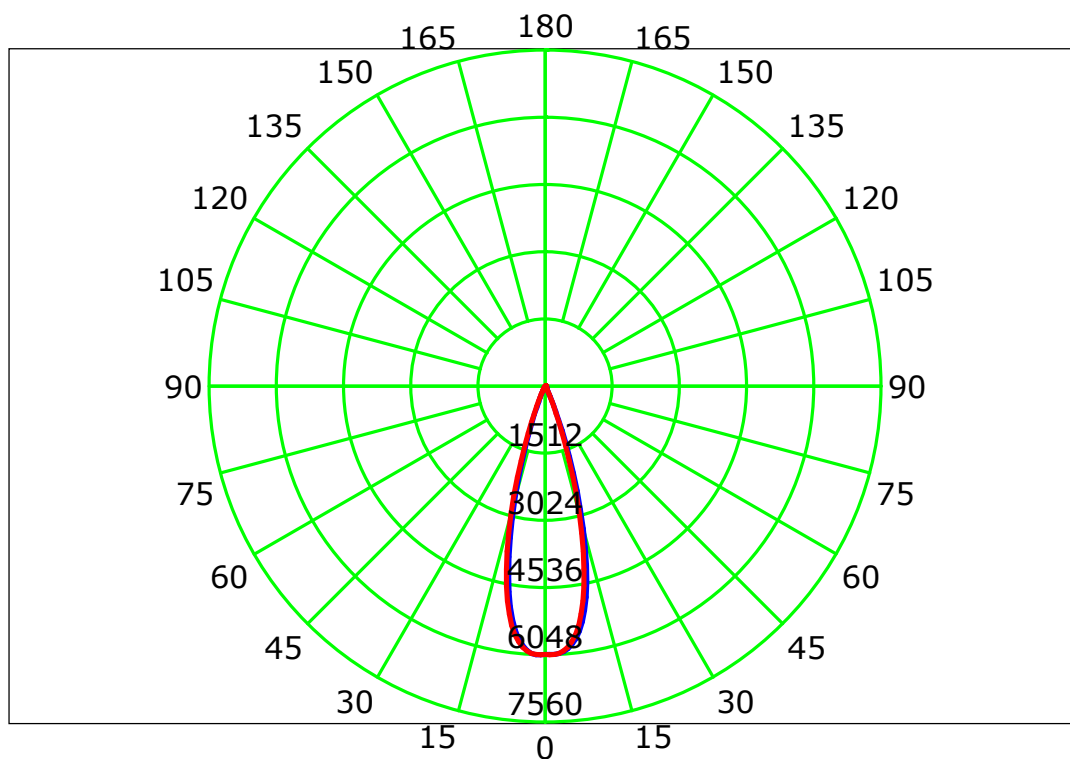
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

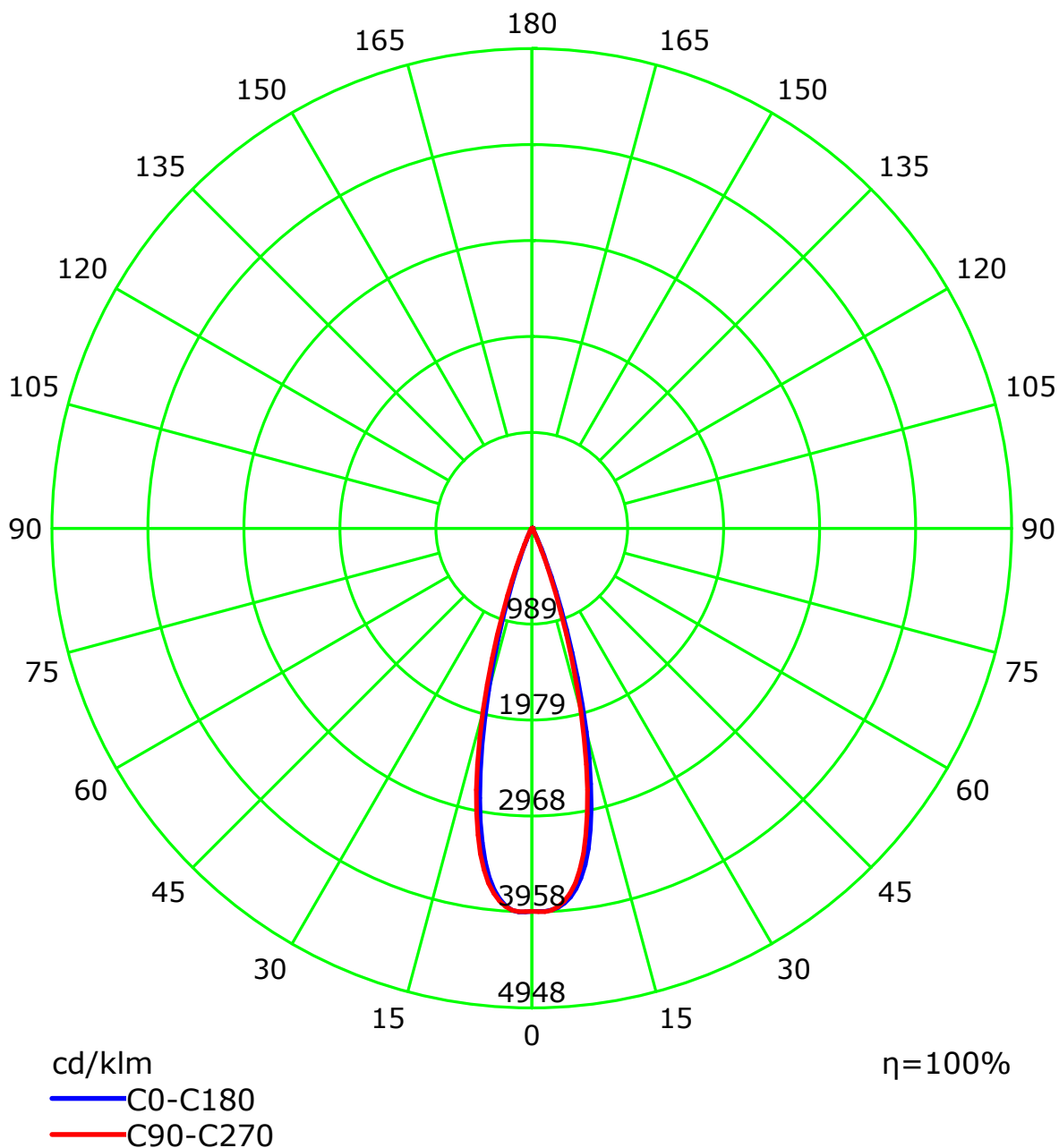
Luminous Intensity Distribution Curve



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:

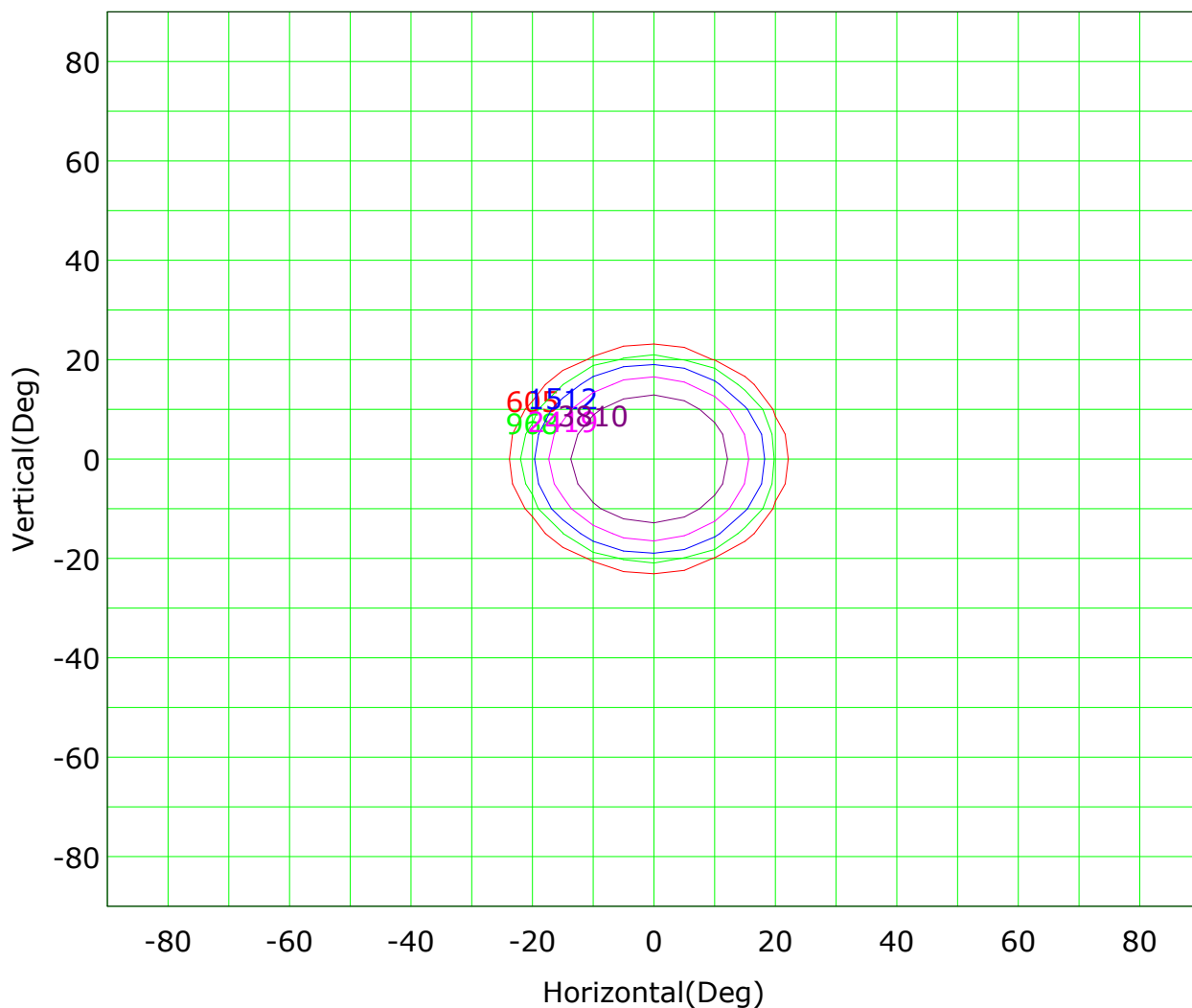
Luminous Intensity Distribution Curve(cd/klm)



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%): 6048 cd

(10%): 605 cd	(16%): 968 cd
(25%): 1512 cd	(40%): 2419 cd
(63%): 3810 cd	(100%): 6048 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

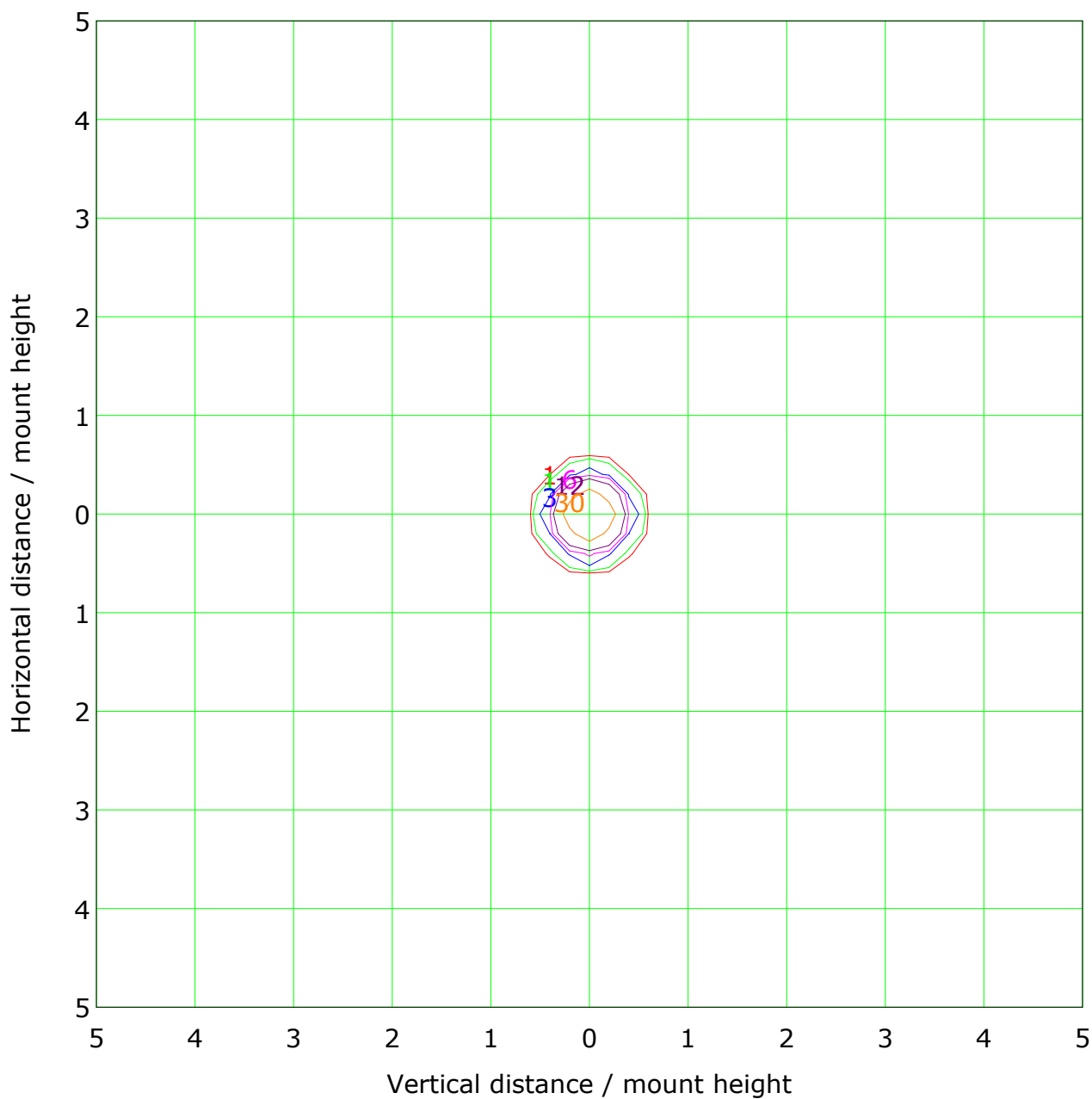
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



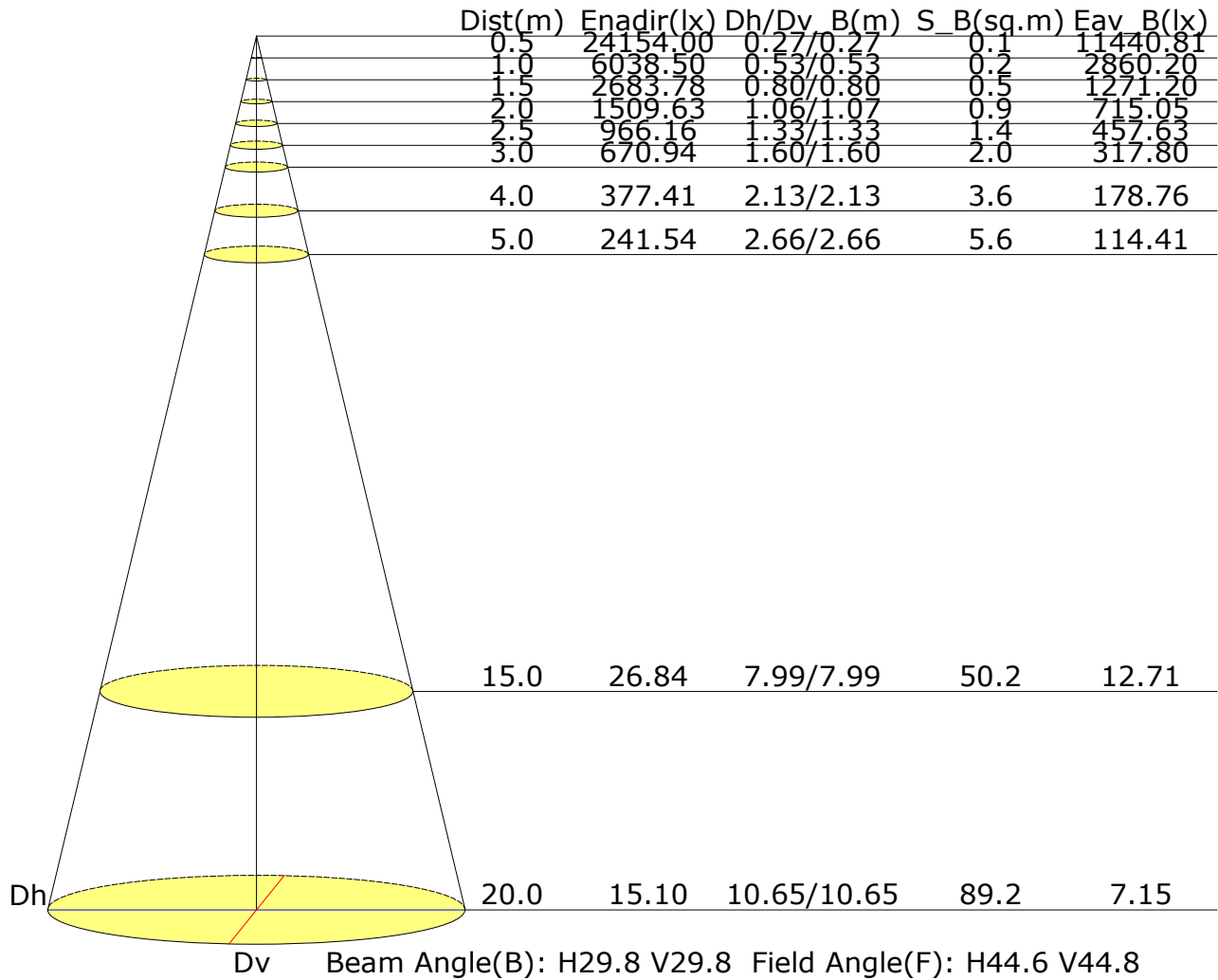
Mounting Height: 10.0m Max Lux(100%): 60.4 lx

— (1%): 0.6 lx	— (2%): 1.2 lx
— (5%): 3.0 lx	— (10%): 6.0 lx
— (20%): 12.1 lx	— (50%): 30.2 lx
— (100%): 60.4 lx	

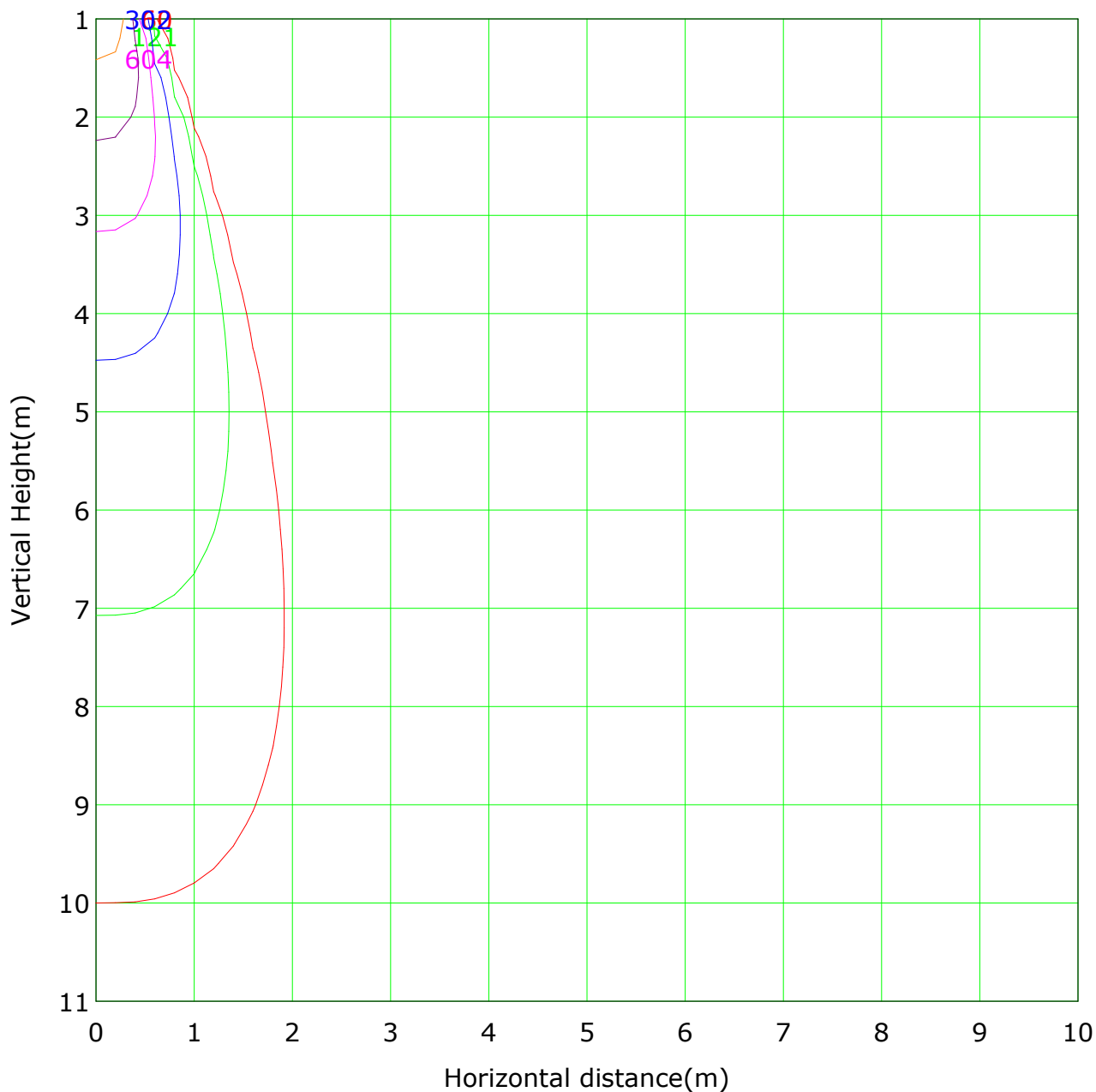
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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: 6038.5 lx

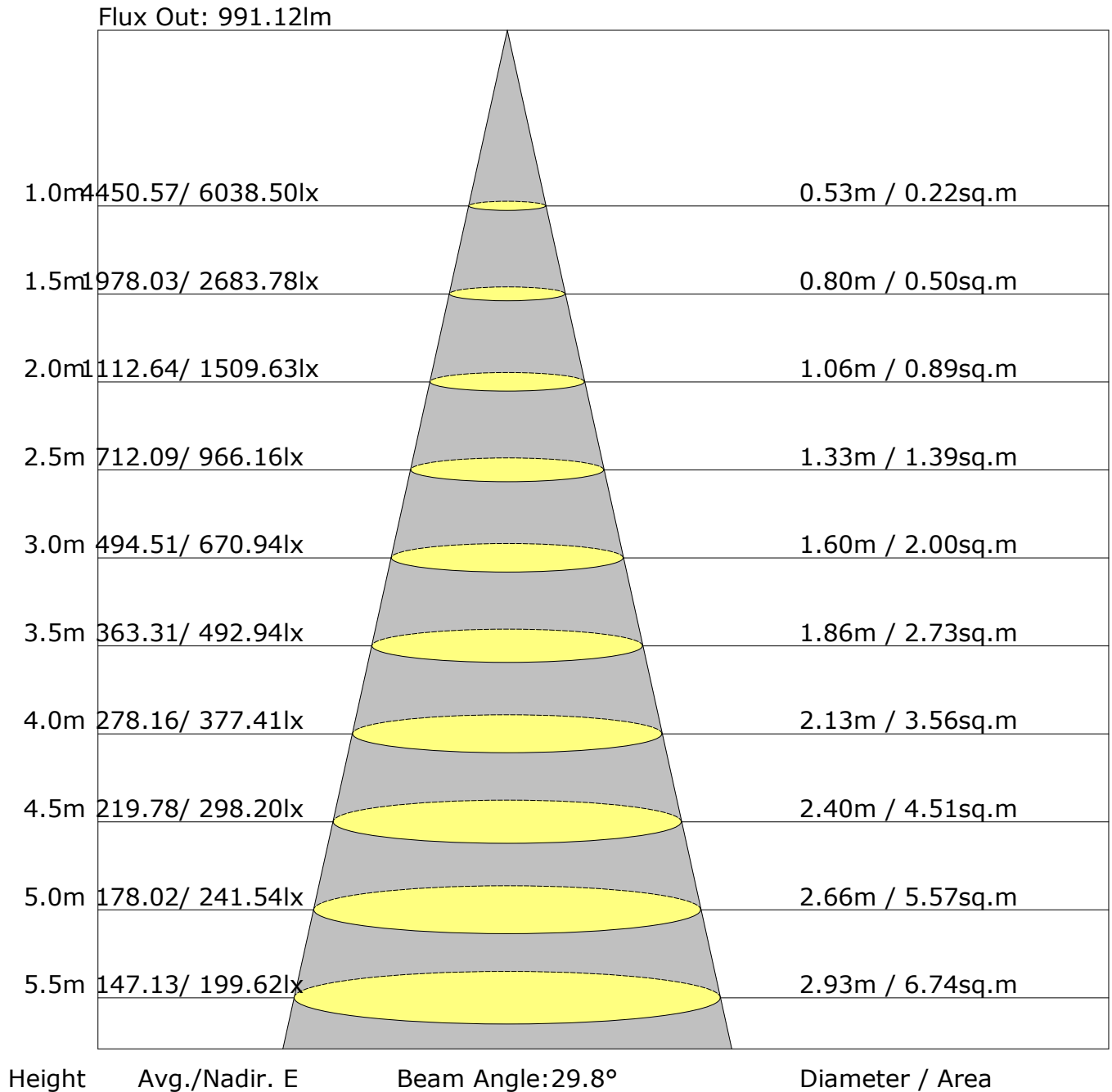
(1%): 60.4 lx	(2%): 120.8 lx
(5%): 301.9 lx	(10%): 603.9 lx
(20%): 1207.7 lx	(50%): 3019.3 lx
(100%): 6038.5 lx	

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: 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



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	5.4	6.0	5.7	6.2	6.4	4.9	5.5	5.2	5.7	5.9
3H	5.3	5.8	5.6	6.1	6.3	4.8	5.3	5.1	5.5	5.8
4H	5.2	5.7	5.5	6.0	6.2	4.7	5.2	5.0	5.5	5.7
6H	5.1	5.6	5.5	5.9	6.2	4.6	5.1	5.0	5.4	5.7
8H	5.1	5.6	5.4	5.8	6.1	4.6	5.0	4.9	5.3	5.6
12H	5.1	5.5	5.4	5.8	6.1	4.6	5.0	4.9	5.3	5.6
X=4H Y=2H	5.2	5.7	5.5	6.0	6.2	4.7	5.2	5.0	5.5	5.7
3H	5.1	5.5	5.4	5.8	6.1	4.6	5.0	4.9	5.3	5.6
4H	5.0	5.4	5.4	5.7	6.1	4.5	4.9	4.8	5.2	5.5
6H	4.9	5.2	5.3	5.6	6.0	4.4	4.7	4.8	5.1	5.5
8H	4.9	5.2	5.3	5.6	6.0	4.3	4.7	4.8	5.0	5.4
12H	4.8	5.1	5.2	5.5	5.9	4.3	4.6	4.7	5.0	5.4
X=8H Y=4H	4.9	5.2	5.3	5.6	6.0	4.3	4.7	4.8	5.0	5.4
6H	4.7	5.0	5.2	5.4	5.9	4.2	4.5	4.7	4.9	5.4
8H	4.7	4.9	5.2	5.4	5.8	4.2	4.4	4.7	4.9	5.3
12H	4.6	4.8	5.1	5.3	5.8	4.1	4.3	4.6	4.8	5.3
X=12H Y=4H	4.8	5.1	5.2	5.5	5.9	4.3	4.6	4.7	5.0	5.4
6H	4.7	4.9	5.2	5.4	5.8	4.2	4.4	4.7	4.9	5.3
8H	4.6	4.8	5.1	5.3	5.8	4.1	4.3	4.6	4.8	5.3
Variations with the observer position at spacings:										
S=1.0H	+4.8/-10.3					+4.7/-11.5				
S=1.5H	+7.6/-1.\$					+7.5/-1.\$				
S=2.0H	+9.6/-1.\$					+9.5/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 1528lm ($8\log(F/F_0) = 1.5$).

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: 2.905 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	798	52.2
	FL (0°-30°)	777	50.9
	FM (30°-60°)	21	1.4
	FH (60°-80°)	0	0.0
	FVH (80°-90°)	0	0.0
	BACK LIGHT	730	47.8
	BL (0°-30°)	712	46.6
	BM (30°-60°)	18	1.2
	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)	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: 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	6041.0	5.8	5.8	0.38	0.38
1.0-2.0	6043.8	17.3	23.1	1.14	1.51
2.0-3.0	6034.6	28.9	52.0	1.89	3.40
3.0-4.0	5999.9	40.2	92.2	2.63	6.03
4.0-5.0	5934.9	51.1	143.2	3.34	9.37
5.0-6.0	5839.1	61.4	204.6	4.02	13.39
6.0-7.0	5708.1	70.9	275.5	4.64	18.03
7.0-8.0	5534.0	79.2	354.7	5.18	23.21
8.0-9.0	5314.2	86.1	440.8	5.64	28.85
9.0-10.0	5051.6	91.4	532.2	5.98	34.83
10.0-11.0	4745.8	94.8	627.1	6.21	41.04
11.0-12.0	4399.7	96.2	723.3	6.30	47.34
12.0-13.0	4017.7	95.4	818.6	6.24	53.58
13.0-14.0	3613.3	92.5	911.1	6.05	59.63
14.0-15.0	3196.2	87.8	998.9	5.74	65.38
15.0-16.0	2772.4	81.2	1080.1	5.32	70.69
16.0-17.0	2354.7	73.3	1153.5	4.80	75.49
17.0-18.0	1959.0	64.6	1218.1	4.23	79.72
18.0-19.0	1597.4	55.6	1273.7	3.64	83.36
19.0-20.0	1276.2	46.7	1320.4	3.06	86.42
20.0-21.0	1001.6	38.5	1358.8	2.52	88.94
21.0-22.0	773.8	31.1	1389.9	2.04	90.97
22.0-23.0	587.7	24.7	1414.6	1.61	92.59
23.0-24.0	440.6	19.3	1433.9	1.26	93.85
24.0-25.0	330.0	15.0	1448.9	0.98	94.83
25.0-26.0	249.3	11.8	1460.6	0.77	95.60
26.0-27.0	191.3	9.4	1470.0	0.61	96.21
27.0-28.0	149.2	7.6	1477.6	0.49	96.71
28.0-29.0	119.0	6.2	1483.8	0.41	97.11
29.0-30.0	98.0	5.3	1489.1	0.35	97.46
30.0-31.0	82.2	4.6	1493.6	0.30	97.76
31.0-32.0	70.2	4.0	1497.7	0.26	98.02
32.0-33.0	60.0	3.5	1501.2	0.23	98.25
33.0-34.0	51.6	3.1	1504.3	0.20	98.46
34.0-35.0	44.2	2.7	1507.1	0.18	98.64
35.0-36.0	38.3	2.4	1509.5	0.16	98.80

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	34.8	2.3	1511.8	0.15	98.95
37.0-38.0	30.9	2.1	1513.8	0.13	99.08
38.0-39.0	26.7	1.8	1515.7	0.12	99.20
39.0-40.0	23.9	1.7	1517.3	0.11	99.31
40.0-41.0	20.7	1.5	1518.8	0.10	99.41
41.0-42.0	17.6	1.3	1520.1	0.08	99.49
42.0-43.0	15.8	1.2	1521.3	0.08	99.57
43.0-44.0	14.0	1.1	1522.3	0.07	99.64
44.0-45.0	12.6	1.0	1523.3	0.06	99.70
45.0-46.0	11.2	0.9	1524.2	0.06	99.76
46.0-47.0	9.1	0.7	1524.9	0.05	99.80
47.0-48.0	7.4	0.6	1525.5	0.04	99.84
48.0-49.0	5.6	0.5	1525.9	0.03	99.87
49.0-50.0	4.9	0.4	1526.4	0.03	99.90
50.0-51.0	4.2	0.4	1526.7	0.02	99.92
51.0-52.0	3.2	0.3	1527.0	0.02	99.94
52.0-53.0	2.8	0.2	1527.2	0.02	99.96
53.0-54.0	2.1	0.2	1527.4	0.01	99.97
54.0-55.0	2.1	0.2	1527.6	0.01	99.98
55.0-56.0	1.4	0.1	1527.7	0.01	99.99
56.0-57.0	0.7	0.1	1527.8	0.00	99.99
57.0-58.0	0.7	0.1	1527.9	0.00	100.00
58.0-59.0	0.3	0.0	1527.9	0.00	100.00
59.0-60.0	0.0	0.0	1527.9	0.00	100.00
60.0-61.0	0.0	0.0	1527.9	0.00	100.00
61.0-62.0	0.0	0.0	1527.9	0.00	100.00
62.0-63.0	0.0	0.0	1527.9	0.00	100.00
63.0-64.0	0.0	0.0	1527.9	0.00	100.00
64.0-65.0	0.0	0.0	1527.9	0.00	100.00
65.0-66.0	0.0	0.0	1527.9	0.00	100.00
66.0-67.0	0.0	0.0	1527.9	0.00	100.00
67.0-68.0	0.0	0.0	1527.9	0.00	100.00
68.0-69.0	0.0	0.0	1527.9	0.00	100.00
69.0-70.0	0.0	0.0	1527.9	0.00	100.00
70.0-71.0	0.0	0.0	1527.9	0.00	100.00
71.0-72.0	0.0	0.0	1527.9	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: 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	6038.5	6038.5								
G1.0	6039.9	6046.9								
G2.0	6039.9	6048.3								
G3.0	6024.5	6025.9								
G4.0	5989.4	5959.9								
G5.0	5929.0	5861.6								
G6.0	5841.9	5723.9								
G7.0	5725.3	5541.4								
G8.0	5568.1	5301.3								
G9.0	5368.6	5019.0								
G10.0	5124.3	4694.6								
G11.0	4836.4	4328.1								
G12.0	4505.0	3929.2								
G13.0	4132.9	3503.7								
G14.0	3739.7	3076.8								
G15.0	3319.8	2648.5								
G16.0	2894.3	2227.2								
G17.0	2463.1	1834.0								
G18.0	2057.3	1481.5								
G19.0	1689.4	1161.4								
G20.0	1355.2	898.8								
G21.0	1067.3	685.3								
G22.0	825.7	516.8								
G23.0	623.5	384.8								
G24.0	469.0	285.1								
G25.0	352.5	213.4								
G26.0	265.4	165.7								
G27.0	202.2	132.0								
G28.0	157.3	105.3								
G29.0	126.4	87.1								
G30.0	102.5	75.8								
G31.0	88.5	61.8								
G32.0	74.4	56.2								
G33.0	61.8	47.8								
G34.0	54.8	42.1								
G35.0	44.9	35.1								
G36.0	40.7	32.3								

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: 2.905 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	36.5	29.5								
G38.0	32.3	25.3								
G39.0	28.1	21.1								
G40.0	25.3	21.1								
G41.0	21.1	15.4								
G42.0	18.3	15.4								
G43.0	16.9	12.6								
G44.0	15.4	11.2								
G45.0	14.0	9.8								
G46.0	11.2	9.8								
G47.0	8.4	7.0								
G48.0	7.0	7.0								
G49.0	4.2	4.2								
G50.0	7.0	4.2								
G51.0	4.2	1.4								
G52.0	4.2	2.8								
G53.0	1.4	2.8								
G54.0	2.8	1.4								
G55.0	2.8	1.4								
G56.0	1.4	0.0								
G57.0	1.4	0.0								
G58.0	1.4	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

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:

Unit: cd

[illegible]

Inspector: