

Report No.:

Test Time: 2025-09-13 15:28

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FLEXI 白色下层杯款 50D 2025.9.13

Luminous Length (mm): -68

Voltage: 227.9 V

Power: 14.90 W

Luminous Width (mm): -68

Current: 0.106 A

Power Factor: 0.612

## Photometric Results

CIE Class: Direct

Measurement Flux: 1469 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H50.5

Vertical Diffuse Angle(50%): V50.5

Luminaire Efficacy Rating (LER): 98.64

Max. Intensity: 2179.25 cd

S/MH(C0/C180): 0.84

Total Rated Lamp Lumens: 1469.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2133.94 cd

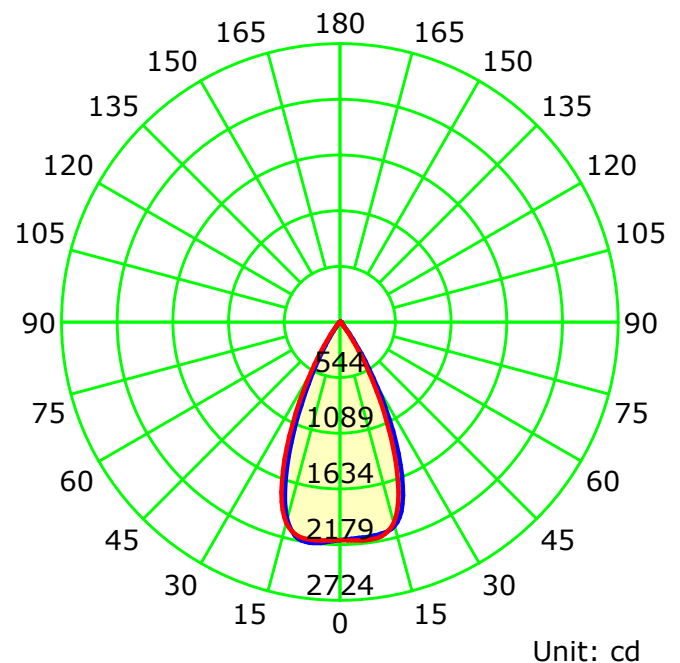
Pos of Max. Intensity: H180 V8

S/MH(C90/C270): 0.84

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

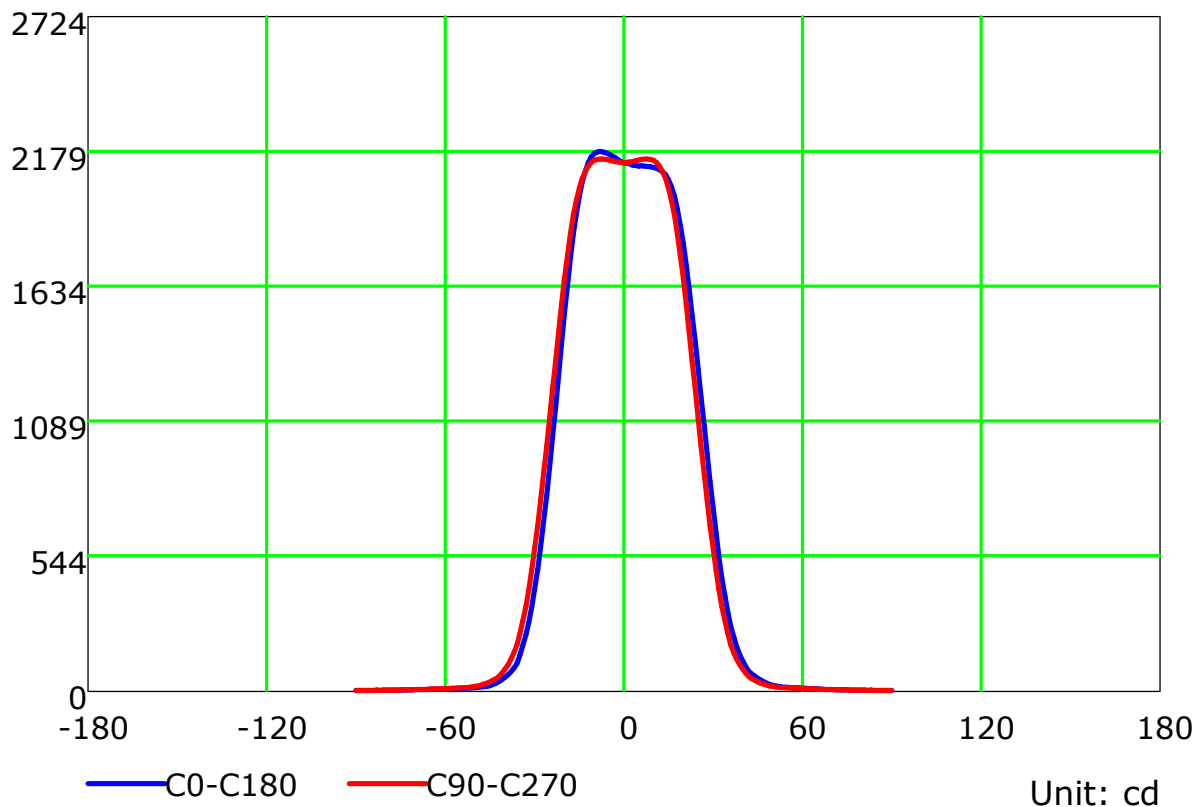
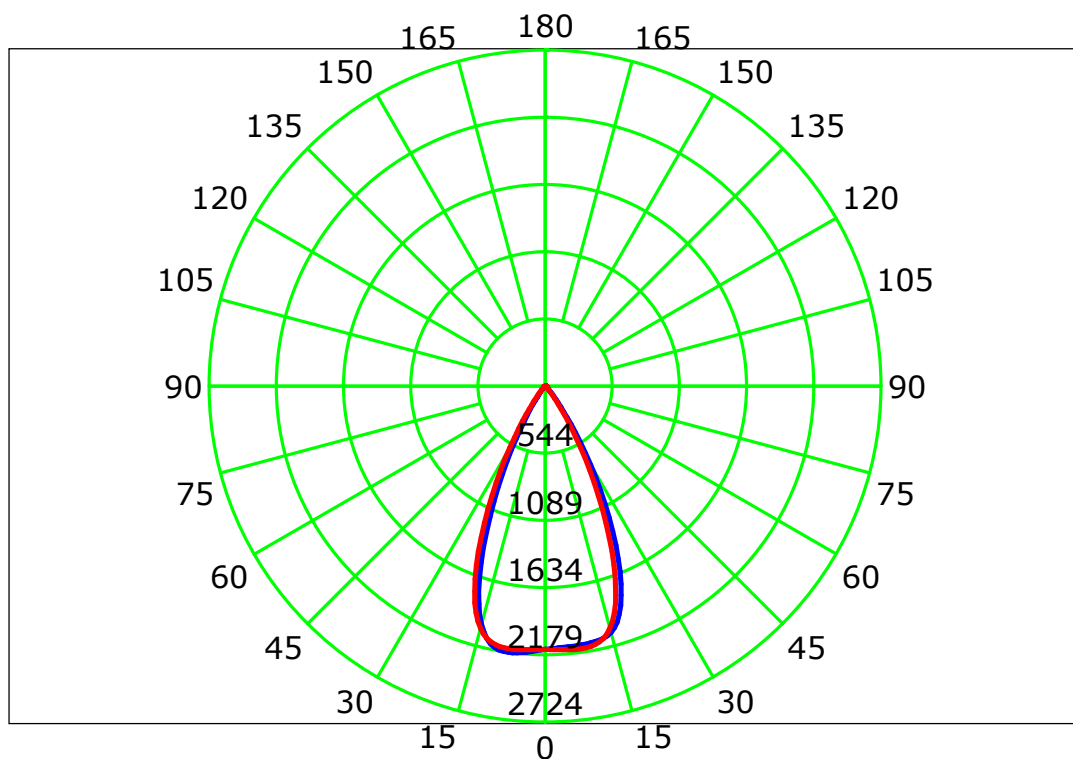
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

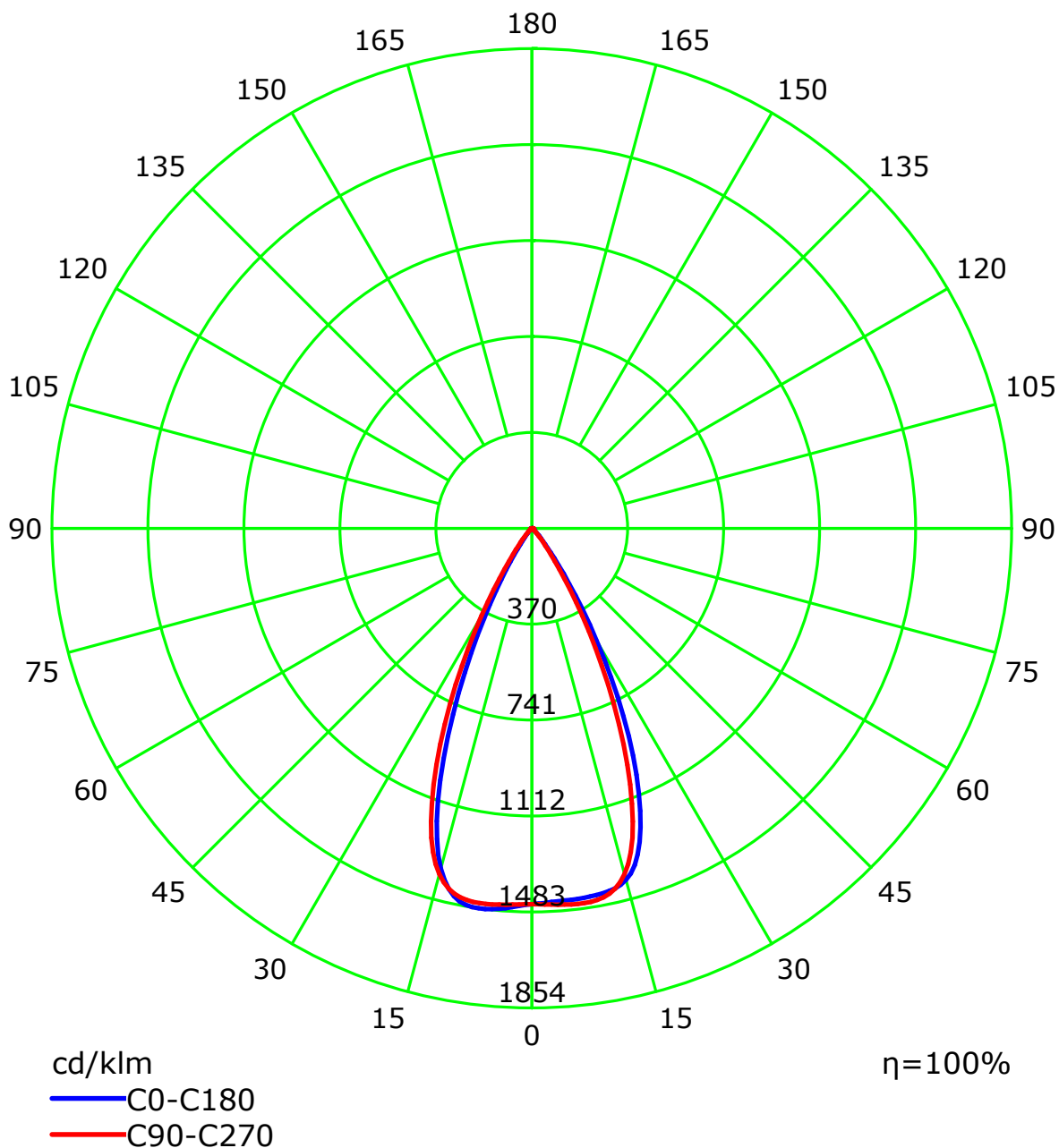
## Luminous Intensity Distribution Curve



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:

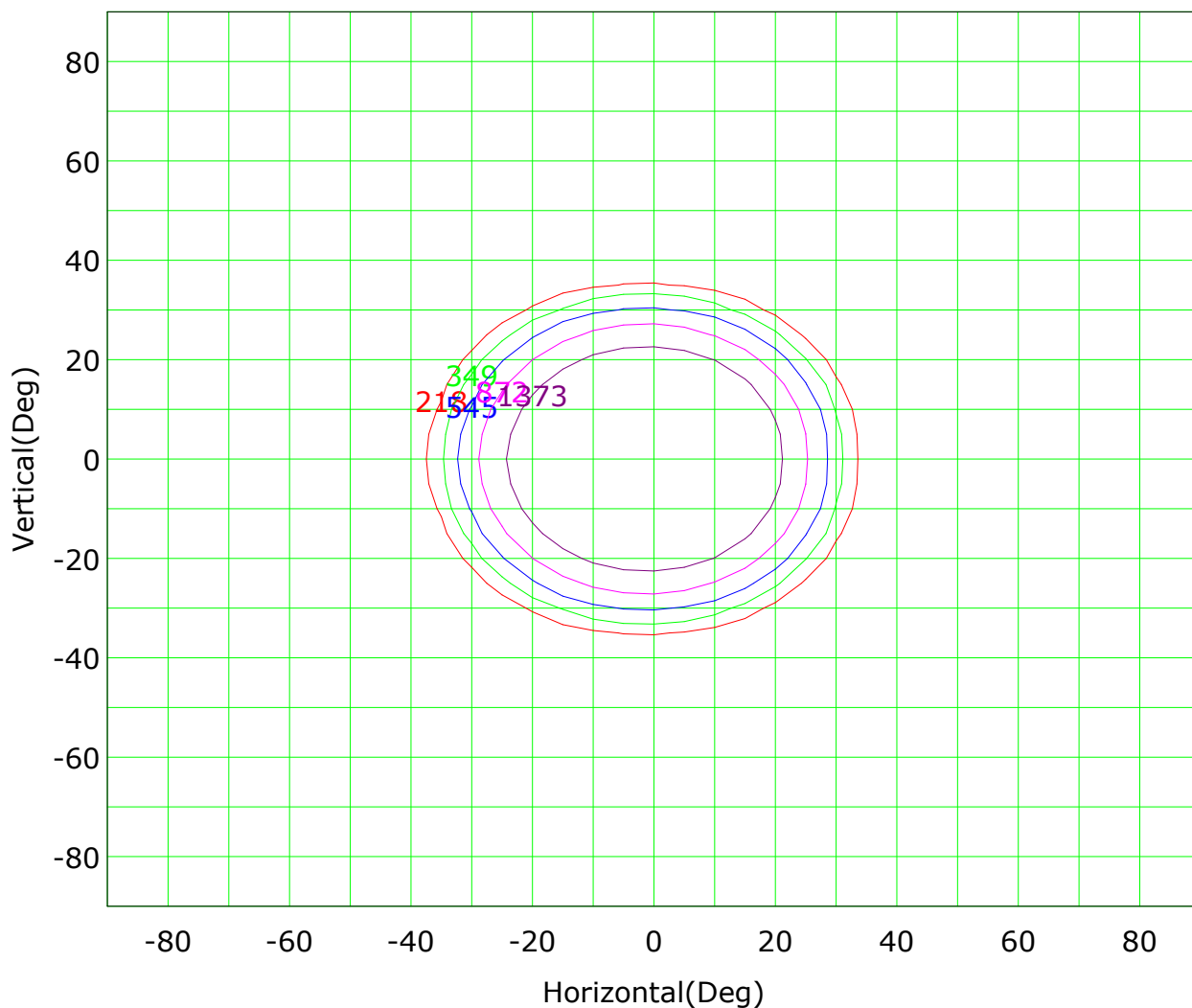
## Luminous Intensity Distribution Curve(cd/klm)



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%): 2179 cd

( 10%): 218 cd	( 16%): 349 cd
( 25%): 545 cd	( 40%): 872 cd
( 63%): 1373 cd	(100%): 2179 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

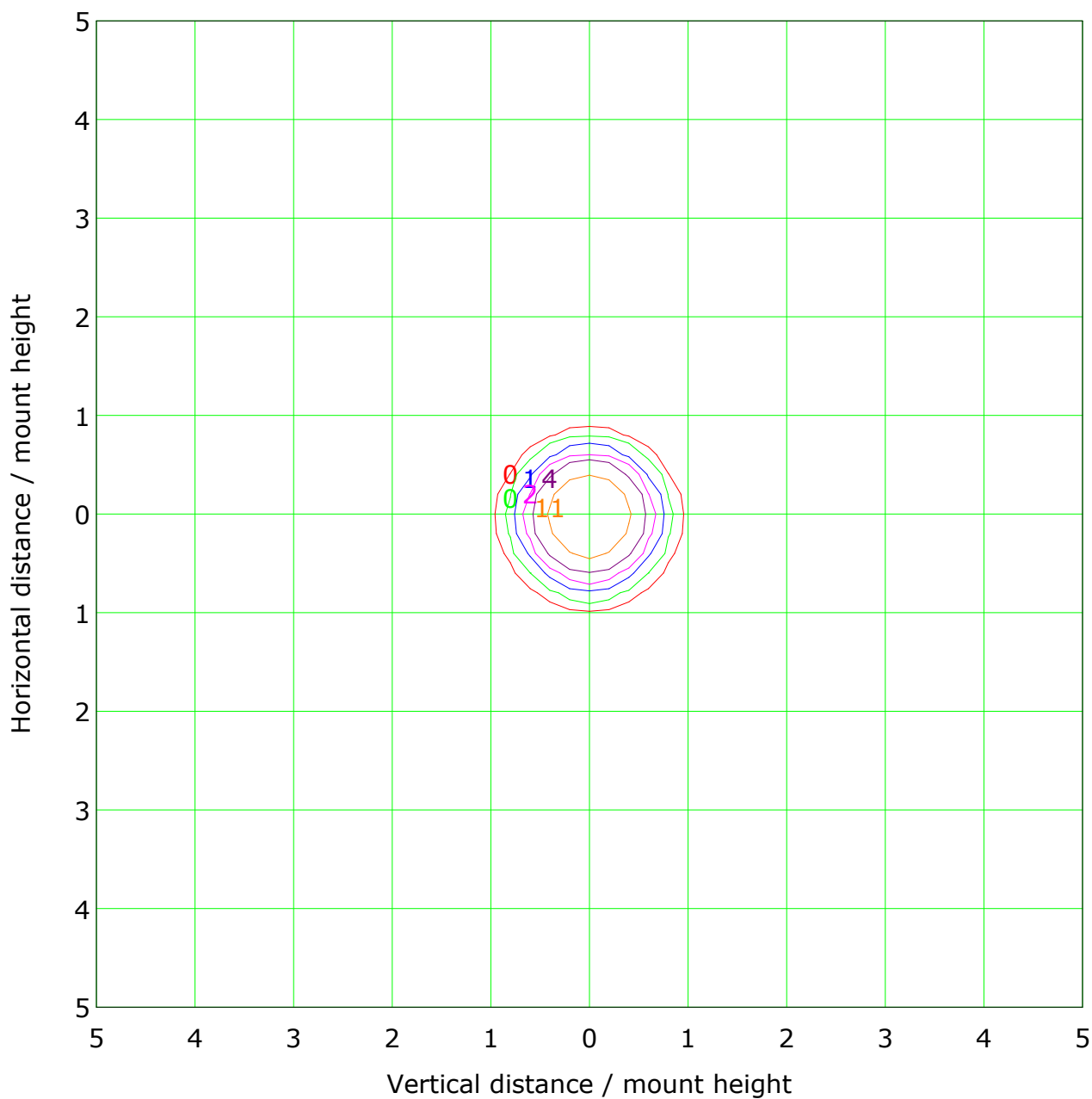
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

## IsoLux Plot



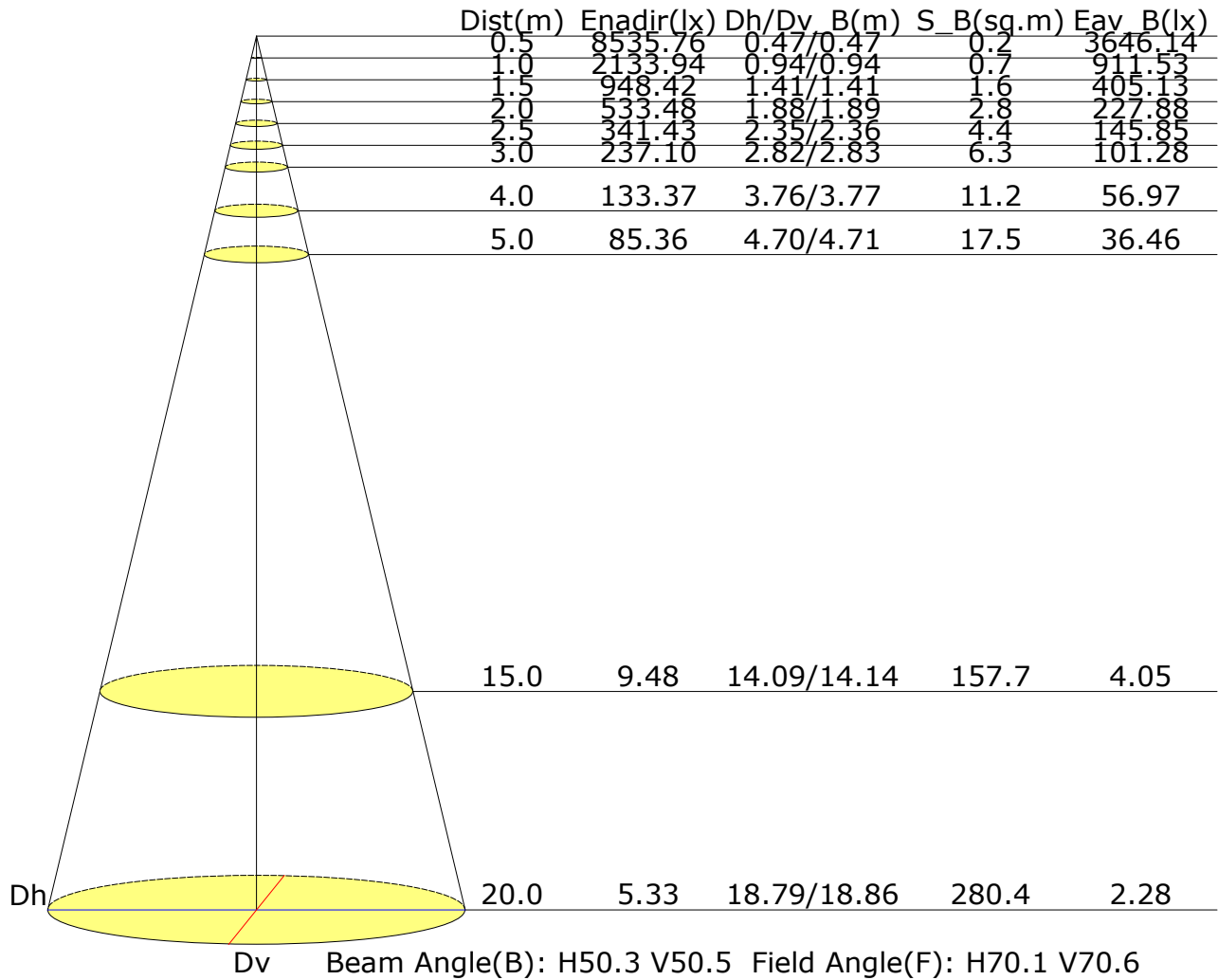
Mounting Height: 10.0m    Max Lux(100%): 21.5 lx

( 1%): 0.2 lx	( 2%): 0.4 lx
( 5%): 1.1 lx	( 10%): 2.1 lx
( 20%): 4.3 lx	( 50%): 10.7 lx
(100%): 21.5 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:

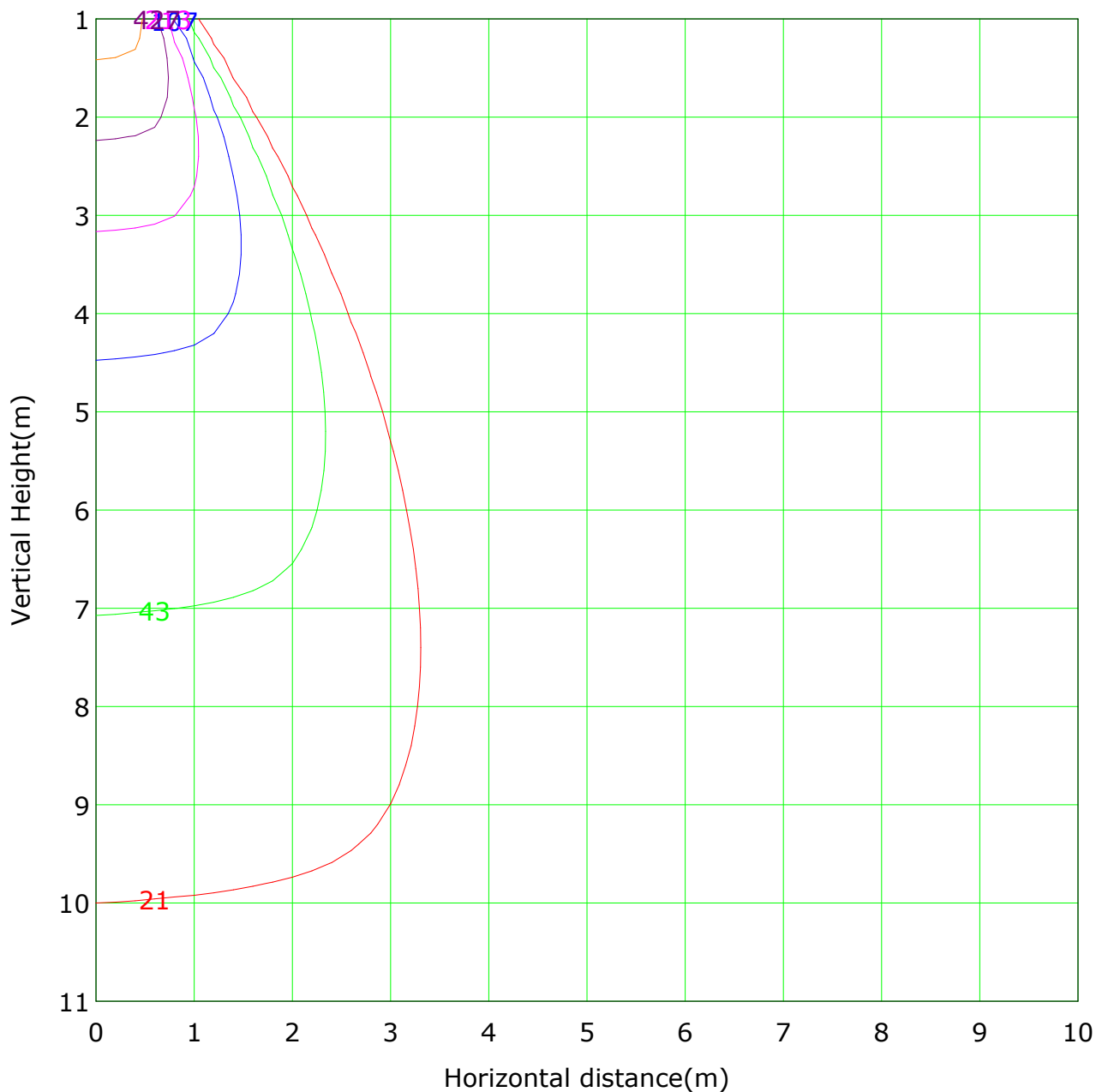
## Illuminance at a Distance



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:

## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 2133.9 lx  
— ( 1%): 21.3 lx   — ( 2%): 42.7 lx  
— ( 5%): 106.7 lx   — ( 10%): 213.4 lx  
— ( 20%): 426.8 lx   — ( 50%): 1067.0 lx  
— (100%): 2133.9 lx

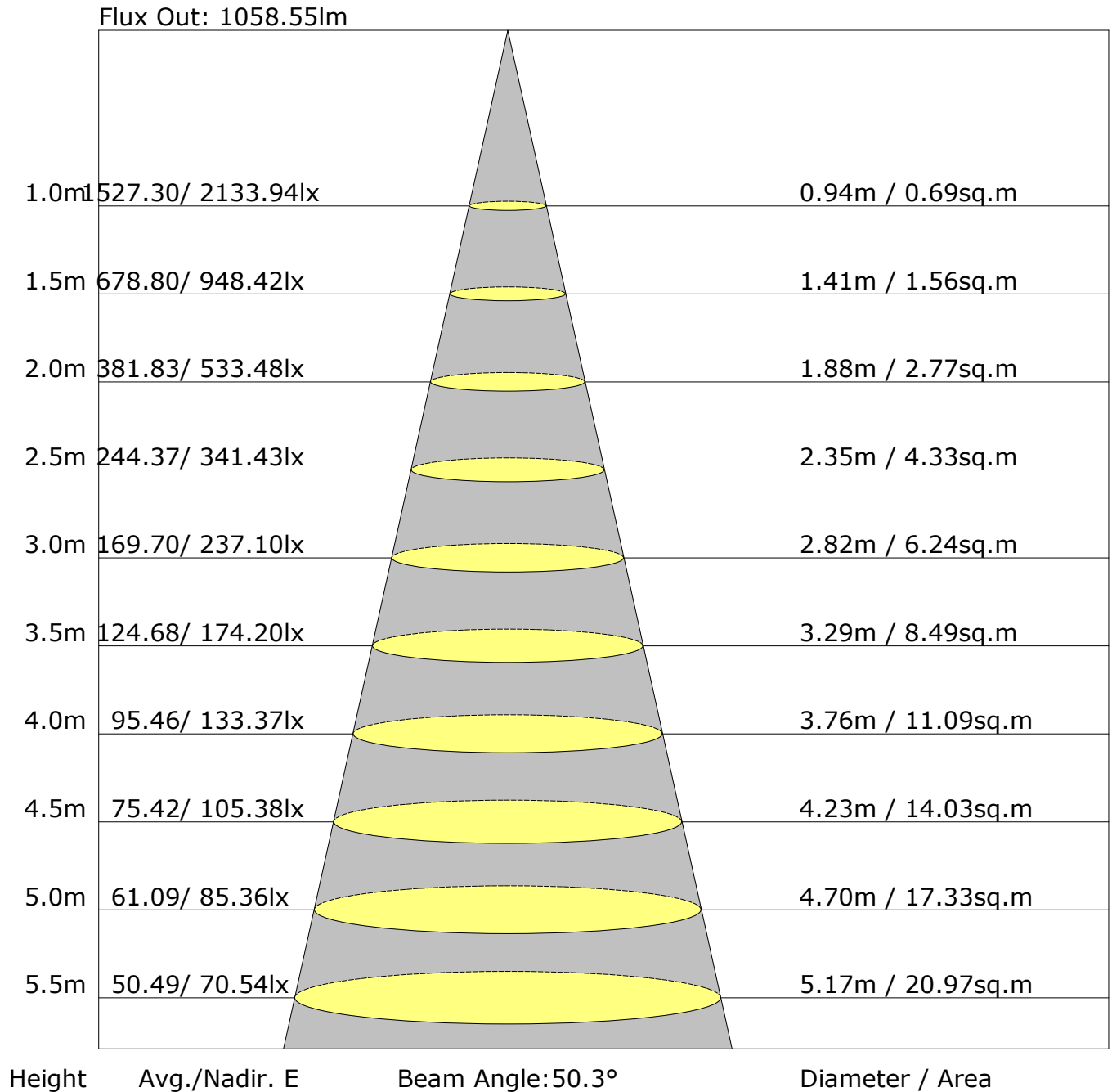
C Plane (°): 0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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	18.2	19.0	18.4	19.2	19.4	16.9	17.7	17.2	17.9	18.1
3H	18.1	18.8	18.4	19.1	19.3	16.9	17.6	17.2	17.8	18.0
4H	18.1	18.7	18.4	19.0	19.2	16.8	17.5	17.1	17.7	18.0
6H	18.0	18.6	18.4	18.9	19.2	16.8	17.4	17.1	17.7	18.0
8H	18.0	18.6	18.3	18.9	19.2	16.8	17.4	17.1	17.6	18.0
12H	18.0	18.5	18.3	18.8	19.2	16.7	17.3	17.1	17.6	17.9
X=4H Y=2H	18.0	18.7	18.3	18.9	19.2	16.8	17.4	17.1	17.7	18.0
3H	18.0	18.5	18.3	18.8	19.1	16.7	17.3	17.1	17.6	17.9
4H	17.9	18.4	18.3	18.8	19.1	16.7	17.2	17.1	17.5	17.9
6H	17.9	18.3	18.3	18.7	19.1	16.7	17.1	17.1	17.5	17.9
8H	17.9	18.3	18.3	18.6	19.1	16.7	17.1	17.1	17.5	17.9
12H	17.8	18.2	18.3	18.6	19.0	16.7	17.0	17.1	17.4	17.9
X=8H Y=4H	17.8	18.2	18.2	18.6	19.0	16.6	17.0	17.0	17.4	17.8
6H	17.8	18.1	18.2	18.5	19.0	16.6	16.9	17.1	17.4	17.8
8H	17.8	18.1	18.2	18.5	19.0	16.6	16.9	17.1	17.3	17.8
12H	17.8	18.0	18.2	18.5	19.0	16.6	16.9	17.1	17.3	17.8
X=12H Y=4H	17.8	18.1	18.2	18.5	19.0	16.6	16.9	17.0	17.3	17.8
6H	17.7	18.0	18.2	18.5	19.0	16.6	16.9	17.0	17.3	17.8
8H	17.7	18.0	18.2	18.5	19.0	16.6	16.8	17.1	17.3	17.8
Variations with the observer position at spacings:										
S=1.0H	+5.6/-7.3					+5.4/-6.6				
S=1.5H	+8.4/-7.9					+8.1/-7.3				
S=2.0H	+10.4/-8.8					+10.1/-8.0				

Calculate in accordance with CIE Pub.117. The table is revised with  $1469\text{lm}$  ( $8\log(F/F_0) = 1.3$ ).

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: 2.905 m  
Humidity:  
Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	776	52.8
	FL ( 0°-30°)	653	44.5
	FM (30°-60°)	118	8.0
	FH (60°-80°)	5	0.3
	FVH (80°-90°)	1	0.0
	BACK LIGHT	693	47.2
	BL ( 0°-30°)	605	41.2
	BM (30°-60°)	83	5.7
	BH (60°-80°)	4	0.3
	BVH (80°-90°)	1	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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2134.7	2.0	2.0	0.14	0.14
1.0-2.0	2136.5	6.1	8.2	0.42	0.56
2.0-3.0	2138.3	10.2	18.4	0.70	1.25
3.0-4.0	2140.8	14.3	32.7	0.98	2.23
4.0-5.0	2143.7	18.4	51.2	1.26	3.48
5.0-6.0	2146.3	22.6	73.7	1.54	5.02
6.0-7.0	2148.5	26.7	100.4	1.82	6.84
7.0-8.0	2149.2	30.8	131.2	2.09	8.93
8.0-9.0	2148.3	34.8	166.0	2.37	11.30
9.0-10.0	2145.3	38.8	204.8	2.64	13.94
10.0-11.0	2138.7	42.7	247.6	2.91	16.85
11.0-12.0	2127.6	46.5	294.1	3.17	20.02
12.0-13.0	2110.4	50.1	344.2	3.41	23.43
13.0-14.0	2085.8	53.4	397.6	3.64	27.06
14.0-15.0	2052.3	56.3	453.9	3.84	30.90
15.0-16.0	2008.6	58.9	512.8	4.01	34.91
16.0-17.0	1953.3	60.8	573.6	4.14	39.05
17.0-18.0	1885.2	62.2	635.8	4.23	43.28
18.0-19.0	1804.2	62.8	698.6	4.27	47.55
19.0-20.0	1712.3	62.7	761.2	4.27	51.82
20.0-21.0	1611.5	61.9	823.1	4.21	56.03
21.0-22.0	1503.4	60.4	883.5	4.11	60.15
22.0-23.0	1390.8	58.4	941.9	3.97	64.12
23.0-24.0	1275.8	55.8	997.7	3.80	67.92
24.0-25.0	1160.1	52.8	1050.5	3.59	71.51
25.0-26.0	1044.9	49.3	1099.8	3.36	74.87
26.0-27.0	932.1	45.6	1145.4	3.10	77.97
27.0-28.0	823.4	41.7	1187.1	2.84	80.81
28.0-29.0	719.6	37.7	1224.7	2.56	83.37
29.0-30.0	621.3	33.6	1258.3	2.28	85.66
30.0-31.0	530.7	29.5	1287.8	2.01	87.67
31.0-32.0	448.1	25.7	1313.5	1.75	89.42
32.0-33.0	374.2	22.0	1335.6	1.50	90.92
33.0-34.0	310.6	18.8	1354.4	1.28	92.20
34.0-35.0	255.2	15.9	1370.2	1.08	93.28
35.0-36.0	207.0	13.2	1383.4	0.90	94.17

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	168.4	11.0	1394.4	0.75	94.92
37.0-38.0	139.0	9.3	1403.7	0.63	95.55
38.0-39.0	115.2	7.9	1411.5	0.54	96.09
39.0-40.0	95.3	6.7	1418.2	0.45	96.54
40.0-41.0	78.3	5.6	1423.7	0.38	96.92
41.0-42.0	63.9	4.6	1428.4	0.32	97.24
42.0-43.0	53.2	3.9	1432.3	0.27	97.51
43.0-44.0	45.2	3.4	1435.7	0.23	97.74
44.0-45.0	38.6	3.0	1438.7	0.20	97.94
45.0-46.0	32.9	2.6	1441.3	0.18	98.12
46.0-47.0	28.2	2.2	1443.5	0.15	98.27
47.0-48.0	24.2	2.0	1445.5	0.13	98.40
48.0-49.0	20.8	1.7	1447.2	0.12	98.52
49.0-50.0	18.0	1.5	1448.7	0.10	98.62
50.0-51.0	16.0	1.4	1450.0	0.09	98.71
51.0-52.0	14.5	1.2	1451.3	0.08	98.80
52.0-53.0	13.3	1.2	1452.4	0.08	98.88
53.0-54.0	12.3	1.1	1453.5	0.07	98.95
54.0-55.0	11.4	1.0	1454.5	0.07	99.02
55.0-56.0	10.8	1.0	1455.5	0.07	99.09
56.0-57.0	10.2	0.9	1456.5	0.06	99.15
57.0-58.0	9.6	0.9	1457.3	0.06	99.21
58.0-59.0	9.2	0.9	1458.2	0.06	99.27
59.0-60.0	8.6	0.8	1459.0	0.06	99.32
60.0-61.0	8.0	0.8	1459.8	0.05	99.38
61.0-62.0	7.4	0.7	1460.5	0.05	99.42
62.0-63.0	6.9	0.7	1461.2	0.05	99.47
63.0-64.0	6.6	0.6	1461.8	0.04	99.51
64.0-65.0	6.3	0.6	1462.4	0.04	99.56
65.0-66.0	5.8	0.6	1463.0	0.04	99.60
66.0-67.0	5.3	0.5	1463.5	0.04	99.63
67.0-68.0	4.9	0.5	1464.0	0.03	99.66
68.0-69.0	4.5	0.5	1464.5	0.03	99.70
69.0-70.0	4.2	0.4	1464.9	0.03	99.73
70.0-71.0	3.9	0.4	1465.3	0.03	99.75
71.0-72.0	3.5	0.4	1465.7	0.03	99.78

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:

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	2133.9	2133.9								
G1.0	2132.3	2138.8								
G2.0	2129.0	2146.0								
G3.0	2124.4	2153.8								
G4.0	2122.8	2162.2								
G5.0	2120.9	2168.8								
G6.0	2121.6	2173.9								
G7.0	2120.5	2177.9								
G8.0	2119.3	2179.3								
G9.0	2117.4	2177.4								
G10.0	2114.8	2171.4								
G11.0	2111.4	2157.3								
G12.0	2106.5	2135.2								
G13.0	2098.6	2101.5								
G14.0	2086.5	2056.7								
G15.0	2066.3	1999.7								
G16.0	2038.7	1929.6								
G17.0	1999.4	1845.6								
G18.0	1947.2	1748.7								
G19.0	1881.9	1639.0								
G20.0	1805.3	1522.8								
G21.0	1718.2	1399.6								
G22.0	1622.5	1273.3								
G23.0	1519.4	1147.7								
G24.0	1411.8	1024.2								
G25.0	1301.1	903.3								
G26.0	1186.9	788.2								
G27.0	1072.2	681.1								
G28.0	958.9	581.5								
G29.0	847.1	491.0								
G30.0	738.1	409.0								
G31.0	638.1	337.3								
G32.0	540.4	276.8								
G33.0	454.2	225.4								
G34.0	380.8	181.9								
G35.0	315.1	143.1								
G36.0	259.8	109.9								

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	214.0	90.1								
G38.0	175.9	76.1								
G39.0	144.5	64.3								
G40.0	118.7	53.8								
G41.0	96.2	44.5								
G42.0	78.7	36.4								
G43.0	67.8	29.8								
G44.0	58.7	24.6								
G45.0	50.3	20.6								
G46.0	42.8	17.9								
G47.0	35.9	16.1								
G48.0	30.2	14.4								
G49.0	25.5	13.0								
G50.0	21.5	12.2								
G51.0	18.9	11.5								
G52.0	16.9	10.8								
G53.0	15.4	10.1								
G54.0	14.0	9.6								
G55.0	13.1	8.9								
G56.0	12.3	8.8								
G57.0	11.6	8.0								
G58.0	11.2	7.6								
G59.0	10.6	7.3								
G60.0	9.9	6.7								
G61.0	9.1	6.4								
G62.0	8.4	5.9								
G63.0	7.8	5.6								
G64.0	7.4	5.6								
G65.0	6.7	5.3								
G66.0	6.2	4.9								
G67.0	5.6	4.5								
G68.0	5.0	4.3								
G69.0	4.6	4.2								
G70.0	4.2	3.9								
G71.0	3.9	3.4								
G72.0	3.6	3.2								
G73.0	3.4	2.9								

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:



Unit: cd

Inspector: