

Test Time: 2024-10-06 16:57

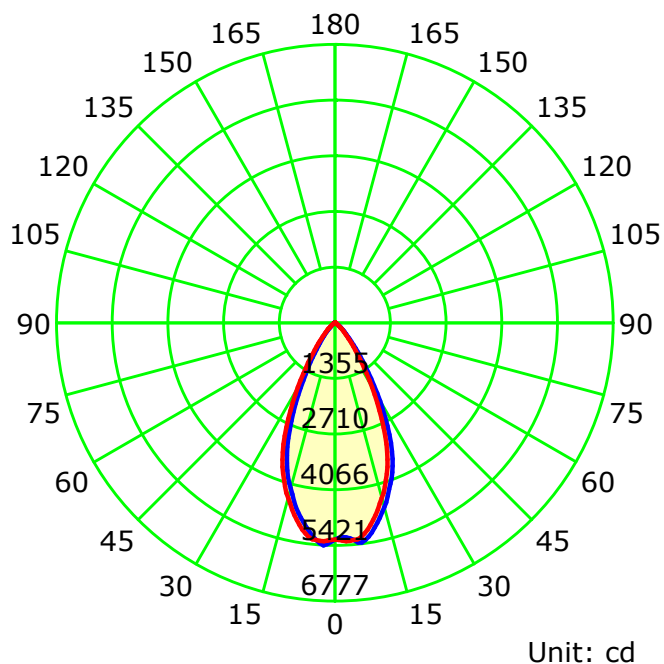
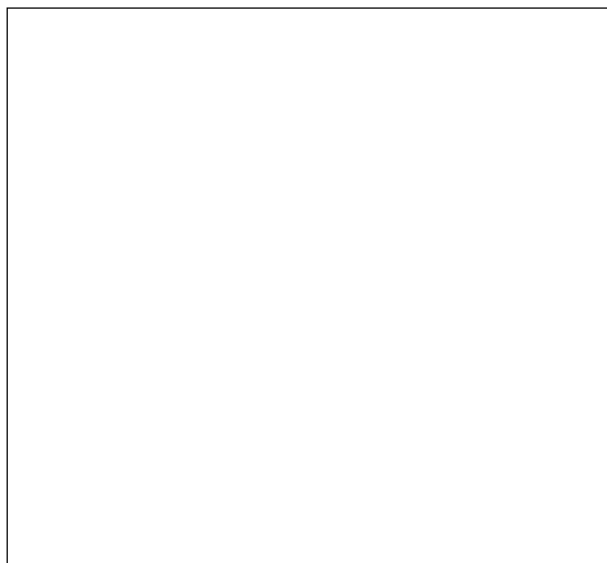
## Luminaire Property

Power Factor: 0.992

## Photometric Results

S/MH(C90/C270): 0.82

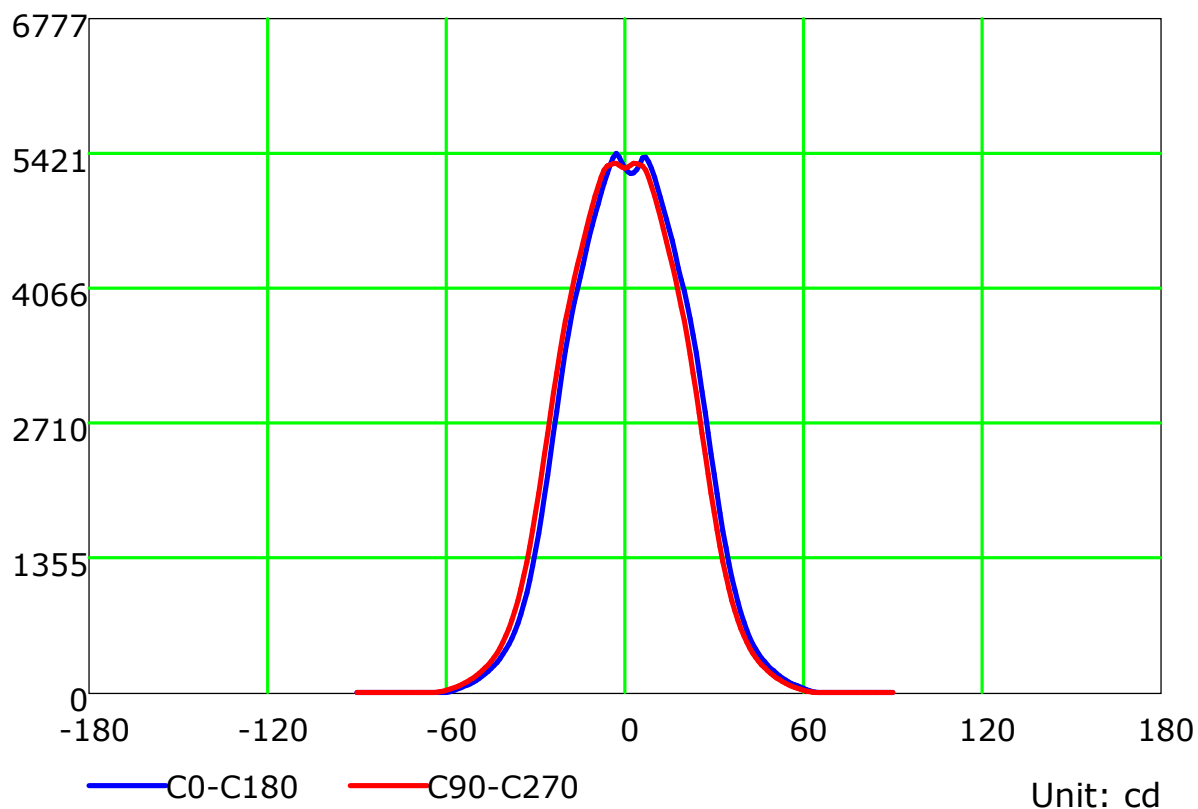
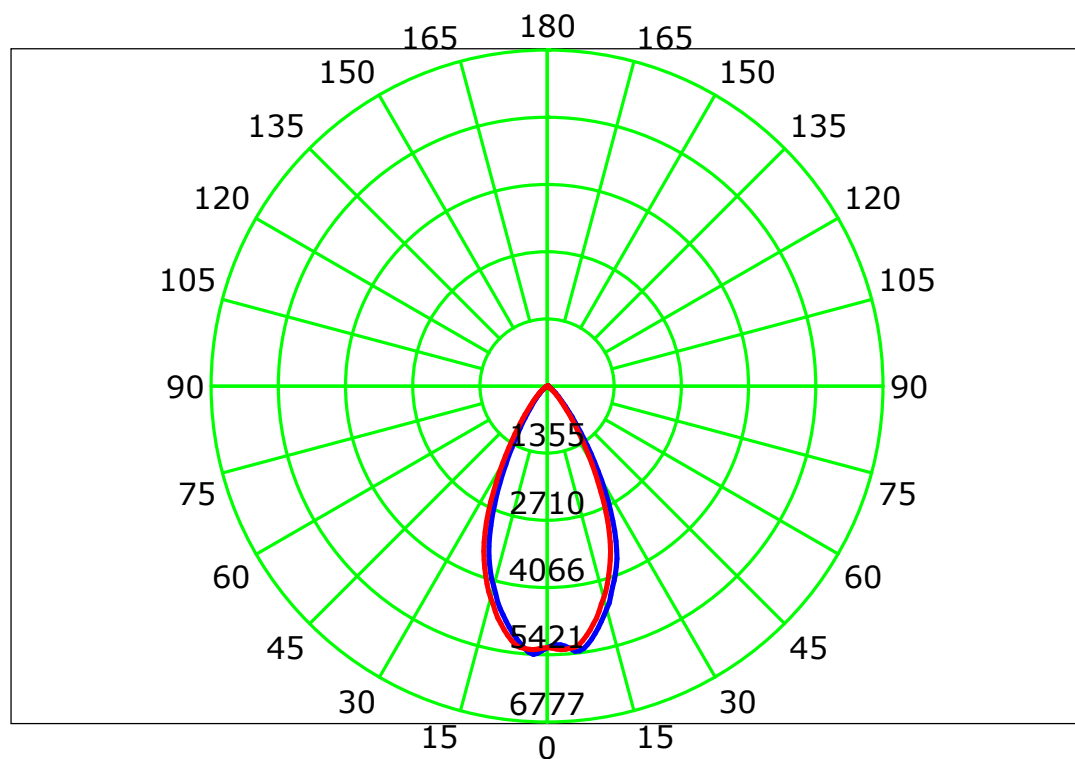
### Luminous Intensity Distribution Curve



— C0-C180    — C90-C270

Inspector:

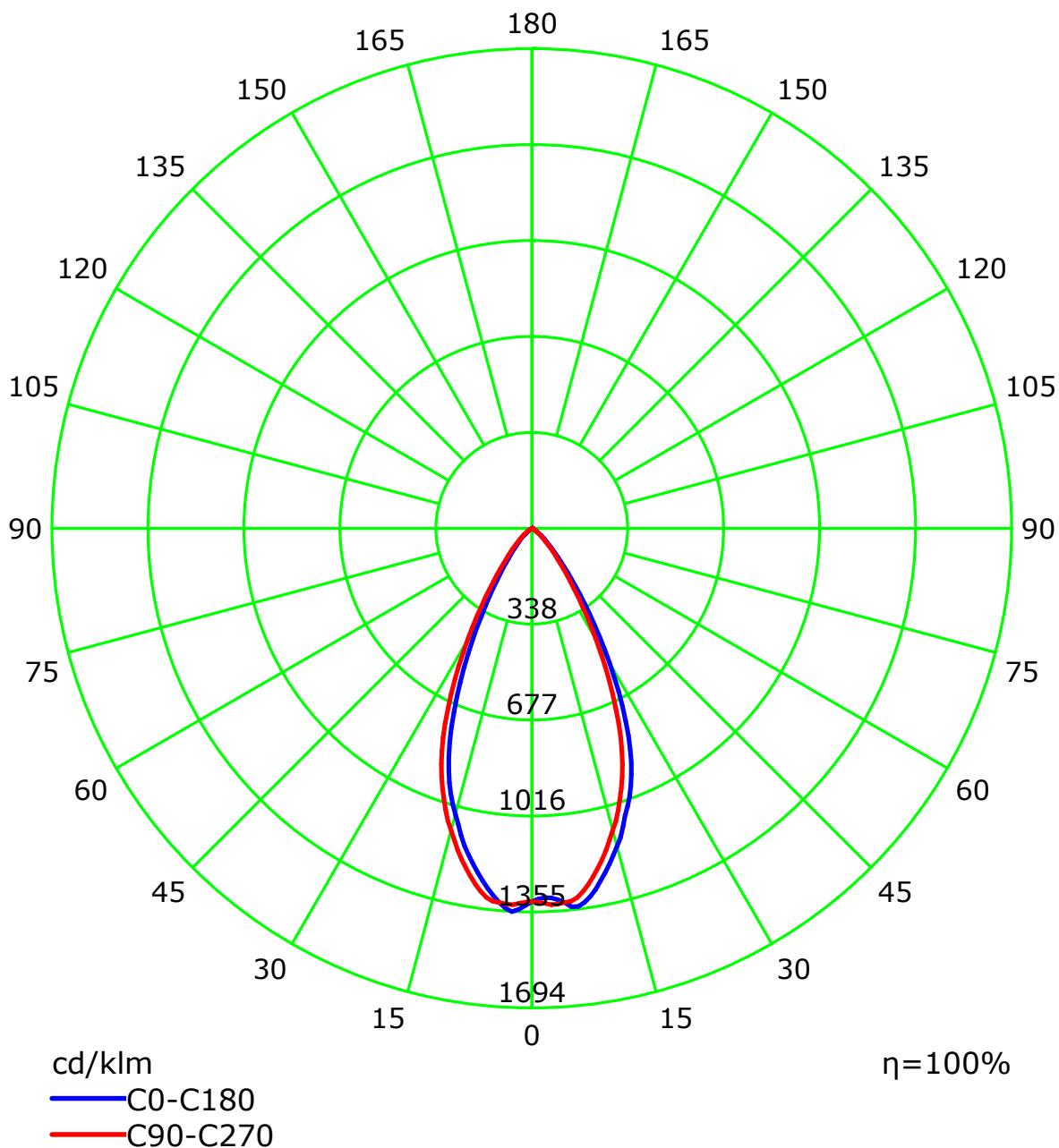
## Luminous Intensity Distribution Curve



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: 3.328 m  
Humidity:  
Inspector:

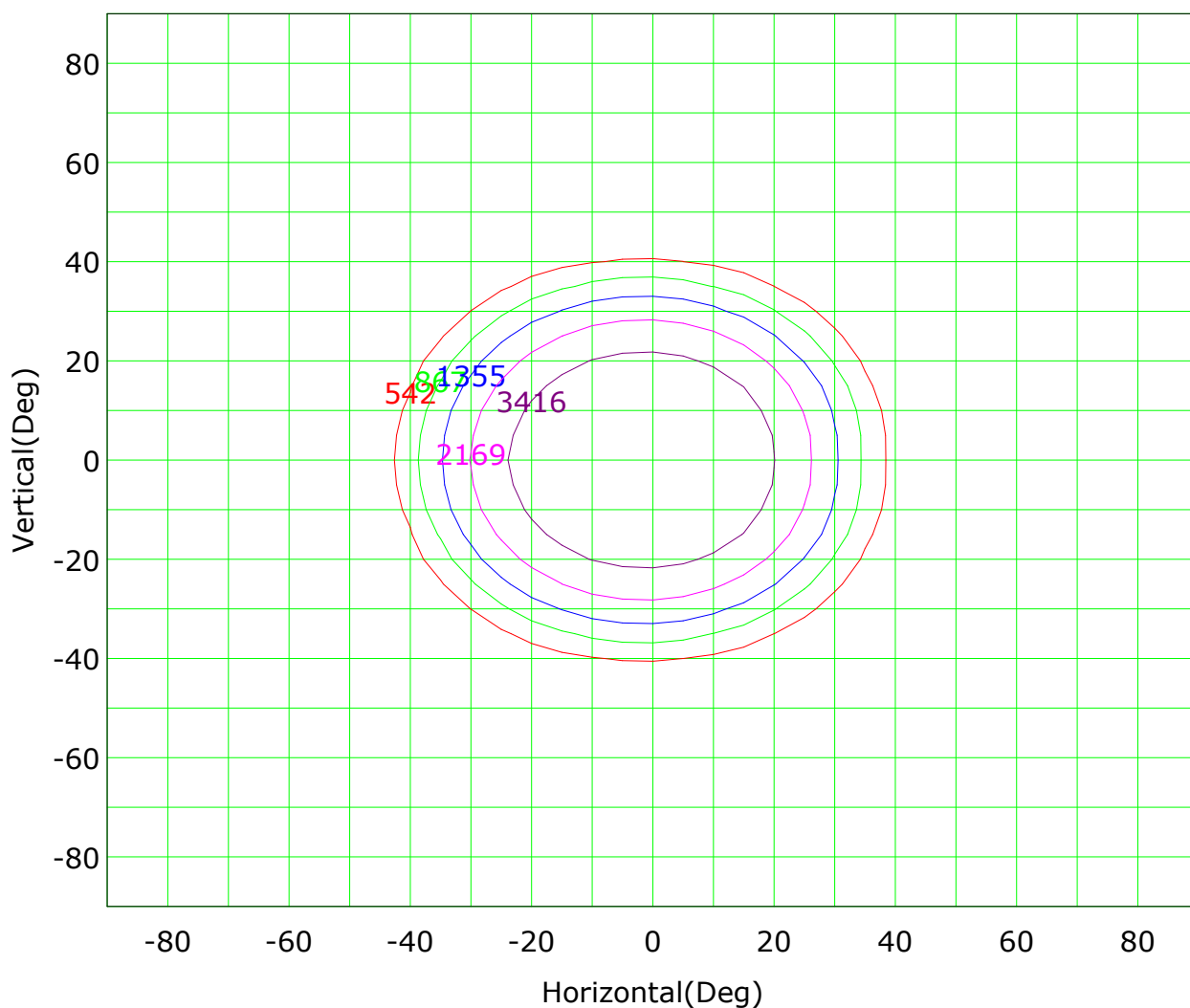
## Luminous Intensity Distribution Curve(cd/klm)



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: 3.328 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 5422 cd

( 10%): 542 cd	( 16%): 867 cd
( 25%): 1355 cd	( 40%): 2169 cd
( 63%): 3416 cd	(100%): 5422 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

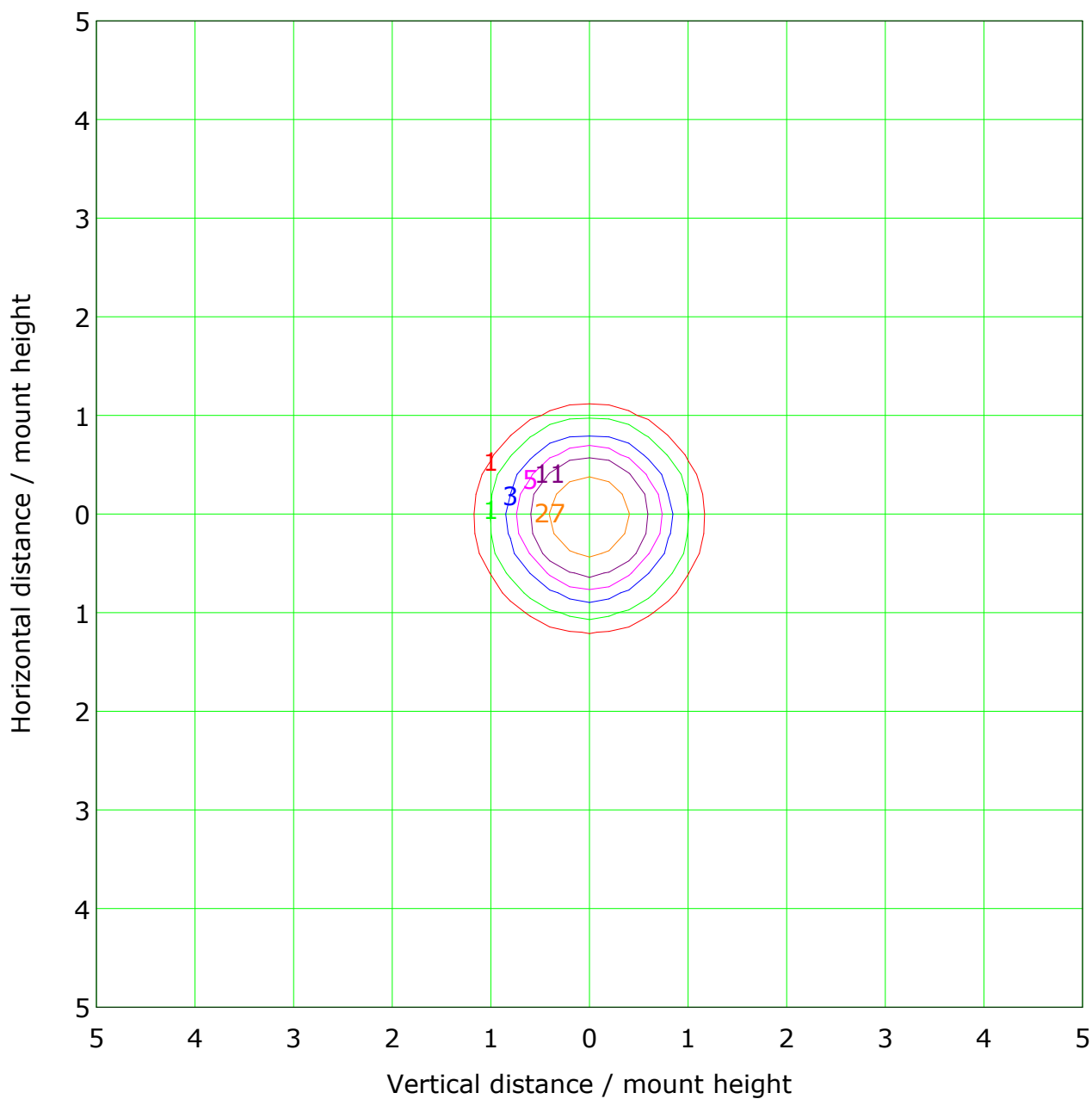
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



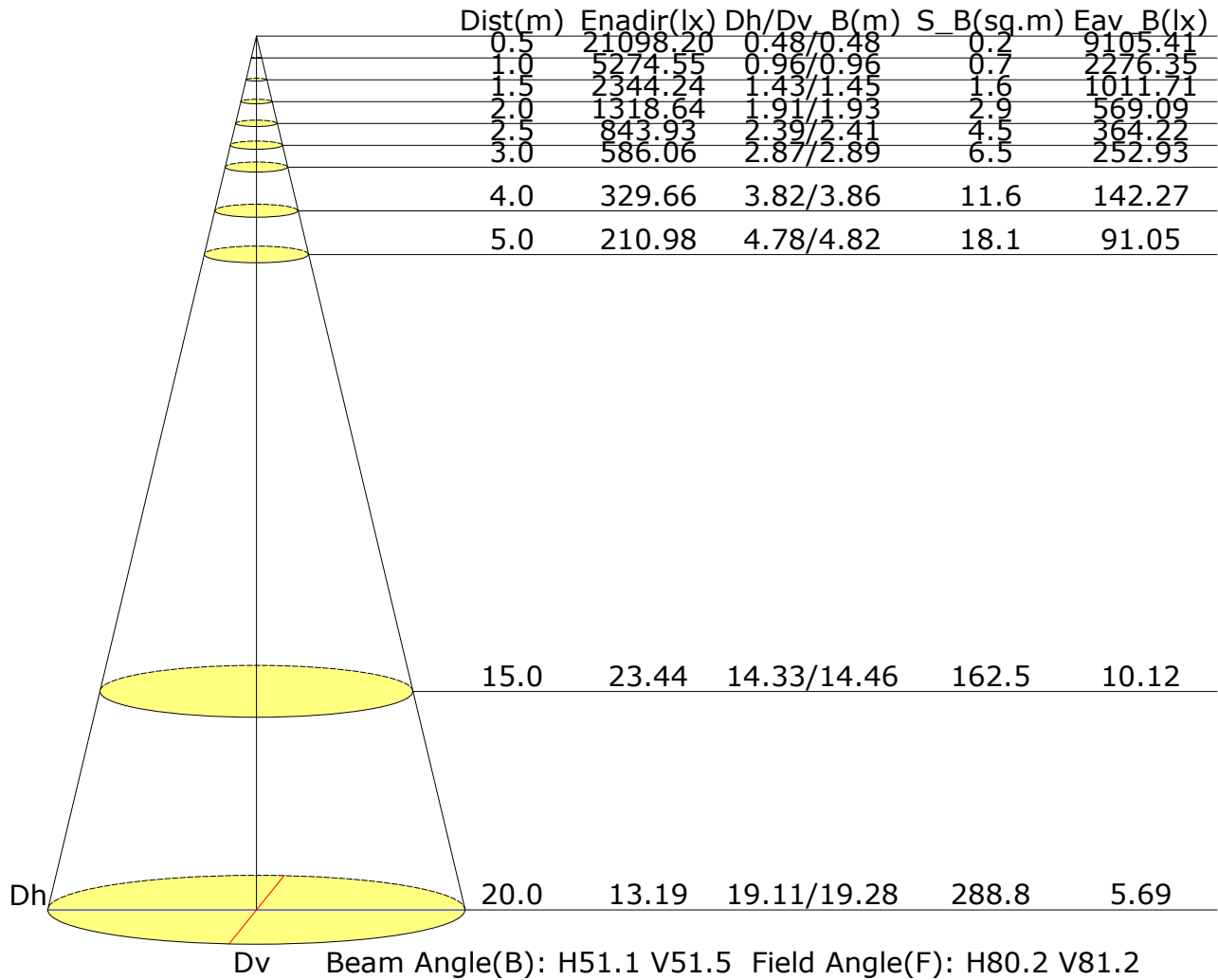
Mounting Height: 10.0m    Max Lux(100%): 54.0 lx

( 1%): 0.5 lx	( 2%): 1.1 lx
( 5%): 2.7 lx	( 10%): 5.4 lx
( 20%): 10.8 lx	( 50%): 27.0 lx
(100%): 54.0 lx	

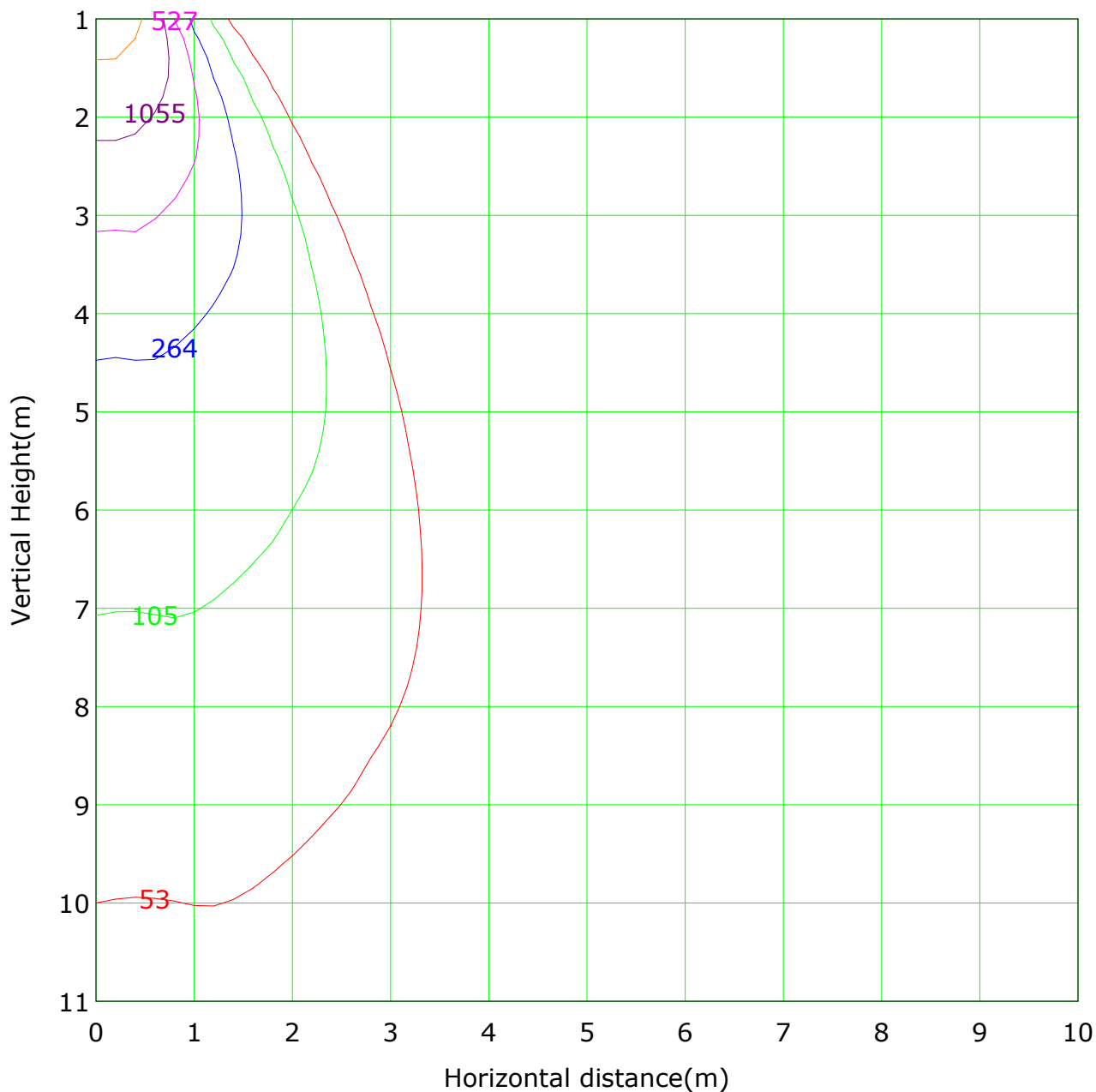
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 5274.5 lx  
— ( 1%): 52.7 lx                      — ( 2%): 105.5 lx  
— ( 5%): 263.7 lx                      — ( 10%): 527.5 lx  
— ( 20%): 1054.9 lx                    — ( 50%): 2637.3 lx  
— (100%): 5274.5 lx

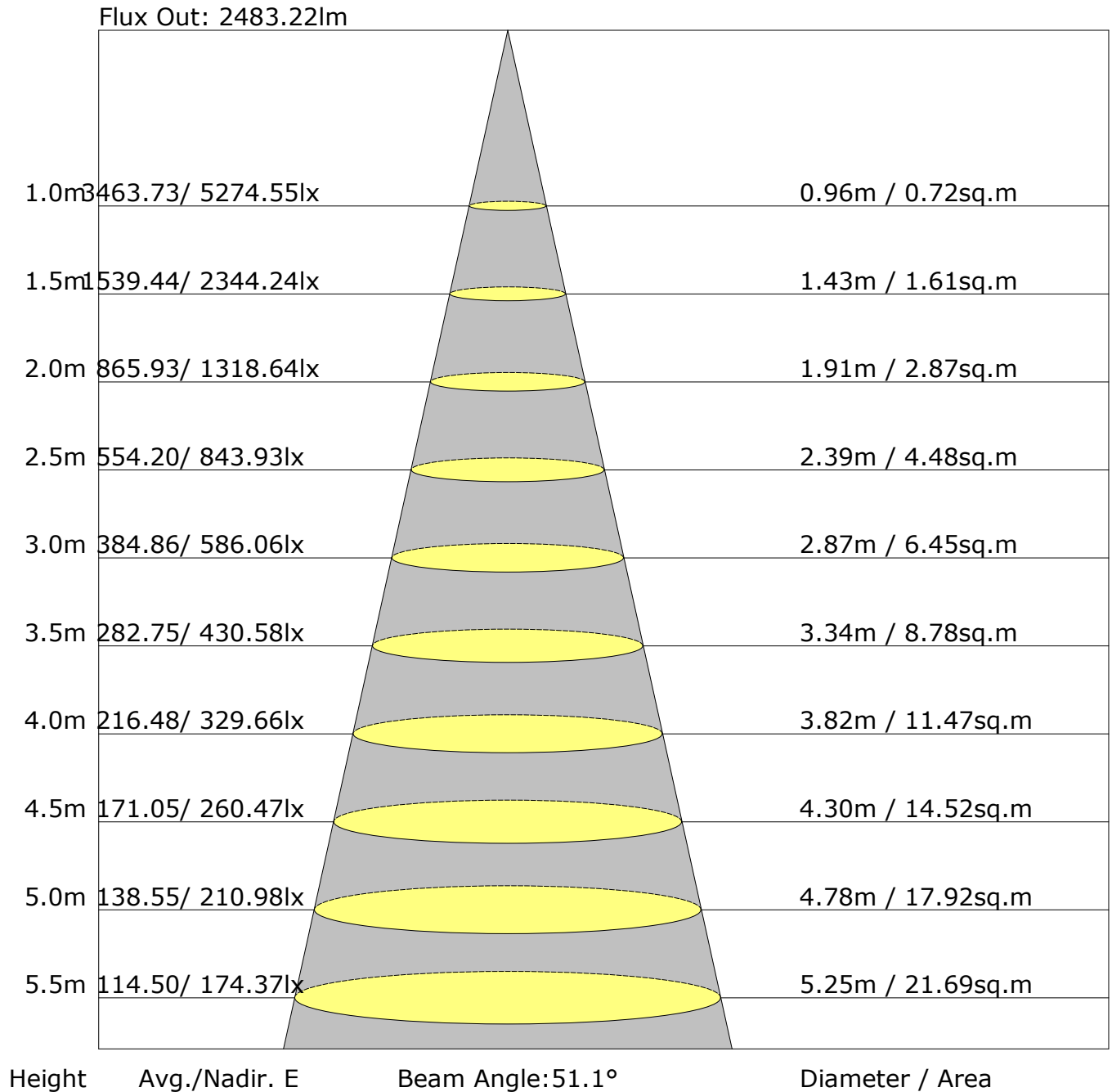
C Plane (°): 0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 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: 3.328 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	22.9	23.7	23.1	23.9	24.1	22.0	22.8	22.3	23.0	23.2
3H	22.7	23.5	23.0	23.7	24.0	21.9	22.6	22.1	22.8	23.1
4H	22.7	23.4	23.0	23.6	23.9	21.8	22.5	22.1	22.7	23.0
6H	22.6	23.2	22.9	23.5	23.8	21.7	22.4	22.0	22.6	22.9
8H	22.5	23.2	22.9	23.5	23.8	21.7	22.3	22.0	22.6	22.9
12H	22.5	23.1	22.9	23.4	23.7	21.6	22.2	22.0	22.5	22.9
X=4H Y=2H	22.7	23.4	23.0	23.7	23.9	21.8	22.5	22.1	22.8	23.1
3H	22.5	23.1	22.9	23.4	23.8	21.7	22.3	22.0	22.6	22.9
4H	22.5	23.0	22.8	23.3	23.7	21.6	22.1	22.0	22.5	22.8
6H	22.4	22.8	22.8	23.2	23.6	21.5	22.0	21.9	22.3	22.7
8H	22.3	22.8	22.8	23.1	23.6	21.5	21.9	21.9	22.3	22.7
12H	22.3	22.7	22.7	23.1	23.5	21.4	21.8	21.9	22.2	22.6
X=8H Y=4H	22.3	22.8	22.8	23.1	23.6	21.5	21.9	21.9	22.3	22.7
6H	22.2	22.6	22.7	23.0	23.5	21.4	21.7	21.8	22.1	22.6
8H	22.2	22.5	22.7	22.9	23.4	21.3	21.6	21.8	22.1	22.5
12H	22.1	22.4	22.6	22.9	23.4	21.3	21.5	21.8	22.0	22.5
X=12H Y=4H	22.3	22.7	22.7	23.1	23.5	21.4	21.8	21.9	22.2	22.6
6H	22.2	22.5	22.7	22.9	23.4	21.3	21.6	21.8	22.1	22.5
8H	22.1	22.4	22.6	22.9	23.4	21.3	21.5	21.8	22.0	22.5
Variations with the observer position at spacings:										
S=1.0H	+4.1/-6.6					+3.9/-7.3				
S=1.5H	+6.8/-20.6					+6.5/-22.4				
S=2.0H	+8.8/-1.\$					+8.5/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with  $4000\text{lm}$  ( $8\log(F/F_0) = 4.8$ ).

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: 3.328 m  
Humidity:  
Inspector:

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

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2127	53.2
	FL ( 0°-30°)	1561	39.0
	FM (30°-60°)	563	14.1
	FH (60°-80°)	3	0.1
	FVH (80°-90°)	0	0.0
	BACK LIGHT	1873	46.8
	BL ( 0°-30°)	1433	35.8
	BM (30°-60°)	439	11.0
	BH (60°-80°)	1	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)	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: 3.328 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	5278.9	5.1	5.1	0.13	0.13
1.0-2.0	5293.2	15.2	20.2	0.38	0.51
2.0-3.0	5314.1	25.4	45.7	0.64	1.14
3.0-4.0	5322.2	35.6	81.3	0.89	2.03
4.0-5.0	5313.5	45.7	127.0	1.14	3.18
5.0-6.0	5303.2	55.7	182.8	1.39	4.57
6.0-7.0	5276.7	65.5	248.3	1.64	6.21
7.0-8.0	5219.1	74.7	323.0	1.87	8.07
8.0-9.0	5139.6	83.3	406.3	2.08	10.16
9.0-10.0	5045.5	91.3	497.6	2.28	12.44
10.0-11.0	4942.0	98.8	596.3	2.47	14.91
11.0-12.0	4836.4	105.7	702.1	2.64	17.55
12.0-13.0	4724.8	112.1	814.2	2.80	20.36
13.0-14.0	4600.4	117.8	932.0	2.94	23.30
14.0-15.0	4475.8	122.9	1054.9	3.07	26.37
15.0-16.0	4360.1	127.8	1182.7	3.19	29.57
16.0-17.0	4234.8	131.9	1314.6	3.30	32.87
17.0-18.0	4094.6	135.0	1449.6	3.38	36.24
18.0-19.0	3952.8	137.5	1587.1	3.44	39.68
19.0-20.0	3808.8	139.4	1726.5	3.49	43.17
20.0-21.0	3653.3	140.3	1866.8	3.51	46.67
21.0-22.0	3484.4	140.0	2006.9	3.50	50.17
22.0-23.0	3304.2	138.7	2145.6	3.47	53.64
23.0-24.0	3113.5	136.1	2281.7	3.40	57.05
24.0-25.0	2915.0	132.6	2414.3	3.31	60.36
25.0-26.0	2710.5	128.0	2542.2	3.20	63.56
26.0-27.0	2504.5	122.5	2664.8	3.06	66.62
27.0-28.0	2300.4	116.5	2781.2	2.91	69.53
28.0-29.0	2100.9	109.9	2891.2	2.75	72.28
29.0-30.0	1908.6	103.1	2994.2	2.58	74.86
30.0-31.0	1726.0	96.1	3090.3	2.40	77.26
31.0-32.0	1553.3	89.0	3179.3	2.23	79.49
32.0-33.0	1391.6	82.0	3261.3	2.05	81.54
33.0-34.0	1243.8	75.3	3336.6	1.88	83.42
34.0-35.0	1108.6	68.9	3405.4	1.72	85.14
35.0-36.0	985.2	62.7	3468.2	1.57	86.71

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: 3.328 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	873.9	57.0	3525.2	1.43	88.13
37.0-38.0	774.5	51.7	3576.9	1.29	89.43
38.0-39.0	686.9	46.9	3623.8	1.17	90.60
39.0-40.0	608.7	42.5	3666.2	1.06	91.66
40.0-41.0	539.2	38.4	3704.6	0.96	92.62
41.0-42.0	477.8	34.7	3739.3	0.87	93.49
42.0-43.0	423.2	31.4	3770.7	0.78	94.27
43.0-44.0	375.9	28.4	3799.1	0.71	94.98
44.0-45.0	334.4	25.7	3824.8	0.64	95.62
45.0-46.0	297.3	23.3	3848.0	0.58	96.21
46.0-47.0	264.3	21.0	3869.1	0.53	96.73
47.0-48.0	234.7	19.0	3888.0	0.47	97.21
48.0-49.0	207.3	17.0	3905.1	0.43	97.63
49.0-50.0	182.0	15.2	3920.2	0.38	98.01
50.0-51.0	158.6	13.4	3933.7	0.34	98.35
51.0-52.0	138.4	11.9	3945.5	0.30	98.64
52.0-53.0	120.3	10.5	3956.0	0.26	98.90
53.0-54.0	103.5	9.1	3965.1	0.23	99.13
54.0-55.0	87.9	7.8	3973.0	0.20	99.33
55.0-56.0	72.6	6.6	3979.5	0.16	99.49
56.0-57.0	59.5	5.4	3985.0	0.14	99.63
57.0-58.0	48.3	4.5	3989.4	0.11	99.74
58.0-59.0	37.7	3.5	3993.0	0.09	99.83
59.0-60.0	27.7	2.6	3995.6	0.07	99.89
60.0-61.0	19.0	1.8	3997.4	0.05	99.94
61.0-62.0	12.5	1.2	3998.6	0.03	99.97
62.0-63.0	7.8	0.8	3999.4	0.02	99.99
63.0-64.0	3.7	0.4	3999.7	0.01	100.00
64.0-65.0	0.9	0.1	3999.8	0.00	100.00
65.0-66.0	0.0	0.0	3999.8	0.00	100.00
66.0-67.0	0.0	0.0	3999.8	0.00	100.00
67.0-68.0	0.0	0.0	3999.8	0.00	100.00
68.0-69.0	0.0	0.0	3999.8	0.00	100.00
69.0-70.0	0.0	0.0	3999.8	0.00	100.00
70.0-71.0	0.0	0.0	3999.8	0.00	100.00
71.0-72.0	0.0	0.0	3999.8	0.00	100.00

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: 3.328 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	5274.5	5274.5								
G1.0	5238.4	5328.1								
G2.0	5219.7	5386.8								
G3.0	5228.4	5421.6								
G4.0	5259.6	5379.3								
G5.0	5308.2	5307.0								
G6.0	5376.8	5220.9								
G7.0	5384.3	5125.0								
G8.0	5339.4	5027.7								
G9.0	5272.0	4919.3								
G10.0	5181.0	4809.5								
G11.0	5077.6	4699.8								
G12.0	4977.9	4590.1								
G13.0	4871.9	4459.2								
G14.0	4759.7	4310.9								
G15.0	4650.0	4182.5								
G16.0	4549.0	4059.1								
G17.0	4405.6	3925.7								
G18.0	4267.3	3779.8								
G19.0	4151.3	3612.8								
G20.0	4034.1	3437.0								
G21.0	3899.5	3242.5								
G22.0	3758.6	3036.8								
G23.0	3596.6	2824.9								
G24.0	3419.5	2613.0								
G25.0	3228.8	2398.5								
G26.0	3026.9	2187.9								
G27.0	2821.1	1982.2								
G28.0	2613.0	1785.2								
G29.0	2402.3	1603.2								
G30.0	2197.8	1431.2								
G31.0	1999.6	1275.3								
G32.0	1806.4	1131.9								
G33.0	1624.4	1003.5								
G34.0	1458.6	888.9								
G35.0	1300.3	786.6								
G36.0	1156.9	696.9								

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: 3.328 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	1027.2	614.6								
G38.0	911.3	544.8								
G39.0	805.3	486.2								
G40.0	710.6	432.6								
G41.0	627.1	386.5								
G42.0	553.5	344.1								
G43.0	489.9	305.4								
G44.0	435.1	273.0								
G45.0	386.5	243.1								
G46.0	345.3	214.4								
G47.0	309.2	188.2								
G48.0	275.5	165.8								
G49.0	244.3	143.4								
G50.0	219.4	120.9								
G51.0	190.7	103.5								
G52.0	169.5	89.8								
G53.0	147.1	74.8								
G54.0	127.2	64.8								
G55.0	108.5	51.1								
G56.0	91.0	39.9								
G57.0	79.8	27.4								
G58.0	69.8	16.2								
G59.0	57.3	7.5								
G60.0	44.9	1.3								
G61.0	29.9	0.0								
G62.0	20.0	0.0								
G63.0	11.2	0.0								
G64.0	3.7	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:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:



Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector: