

Tel:  
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Report No.:

Test Time: 2017-07-31 15:50

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category: LED DownLight  
Lamp Catalog: 3000K  
Luminous Length (mm): 100  
Voltage: 229.8 V  
Power: 55.80 W

Luminaire Description: DLC0555-B830 15D  
Lamp Description: T1208C430M2  
Luminous Width (mm): 100  
Current: 0.302 A  
Power Factor: 0.800

## Photometric Results

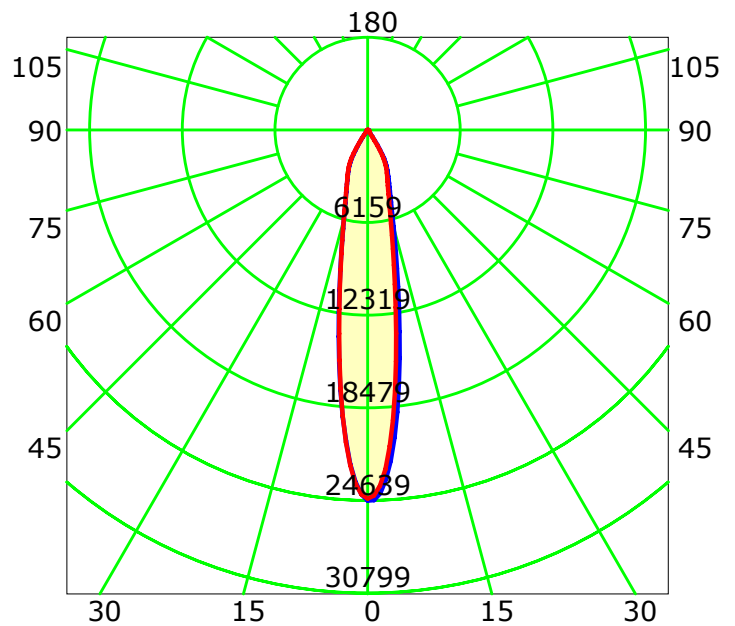
CIE Class: Direct  
Measurement Flux: 5295.4 lm  
Downward Ratio: 100%  
Field Angle: H56.9 V56.8  
Luminaire Efficacy Rating (LER): 95  
Max. Intensity: 24639.23 cd

Total Rated Lamp Lumens: 5295.4 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Beam Angle: H18.8 V17.7  
Central Intensity: 24639.22 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



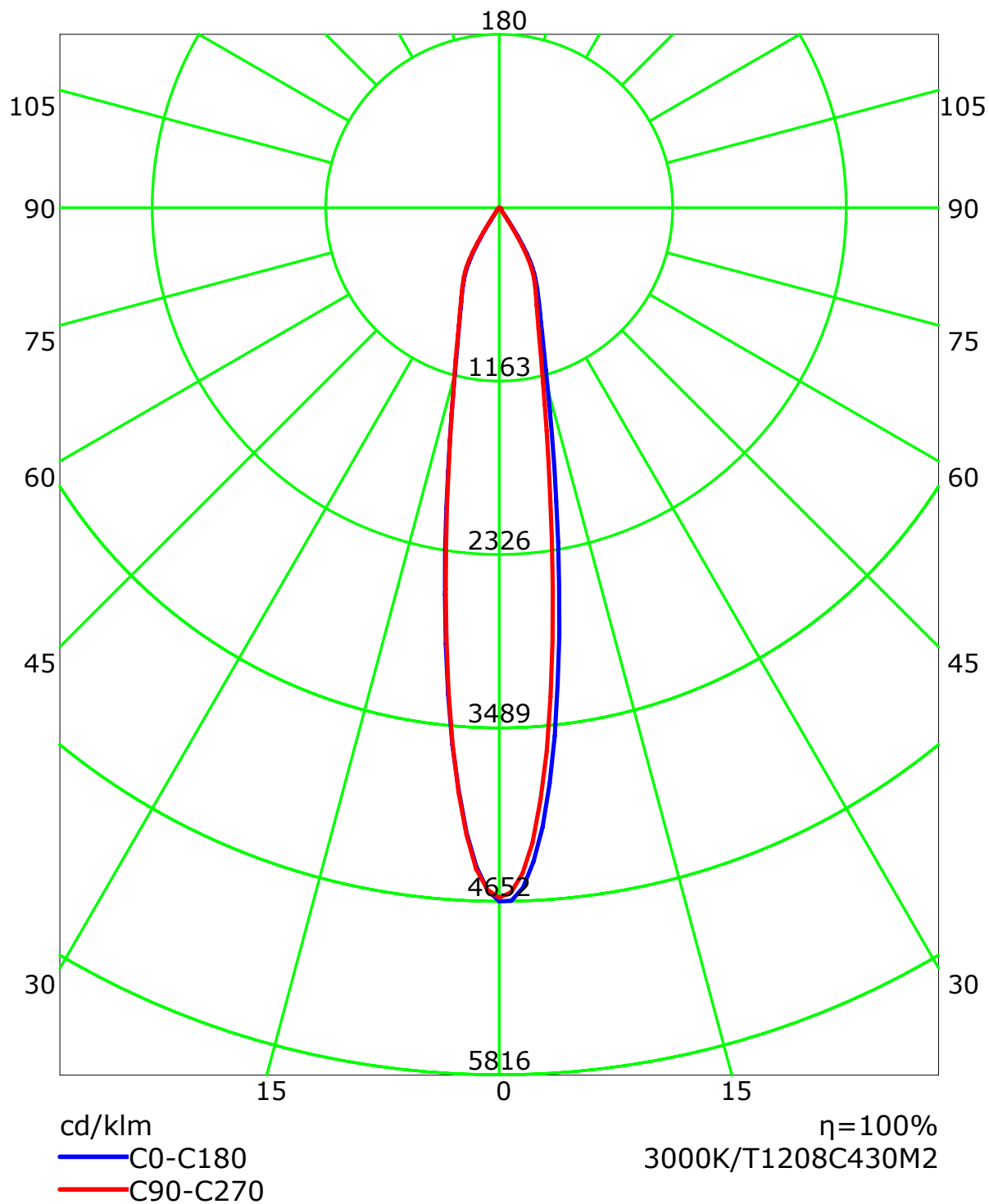
Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1600L  
Distance: 7.990 m  
Humidity:  
Inspector:

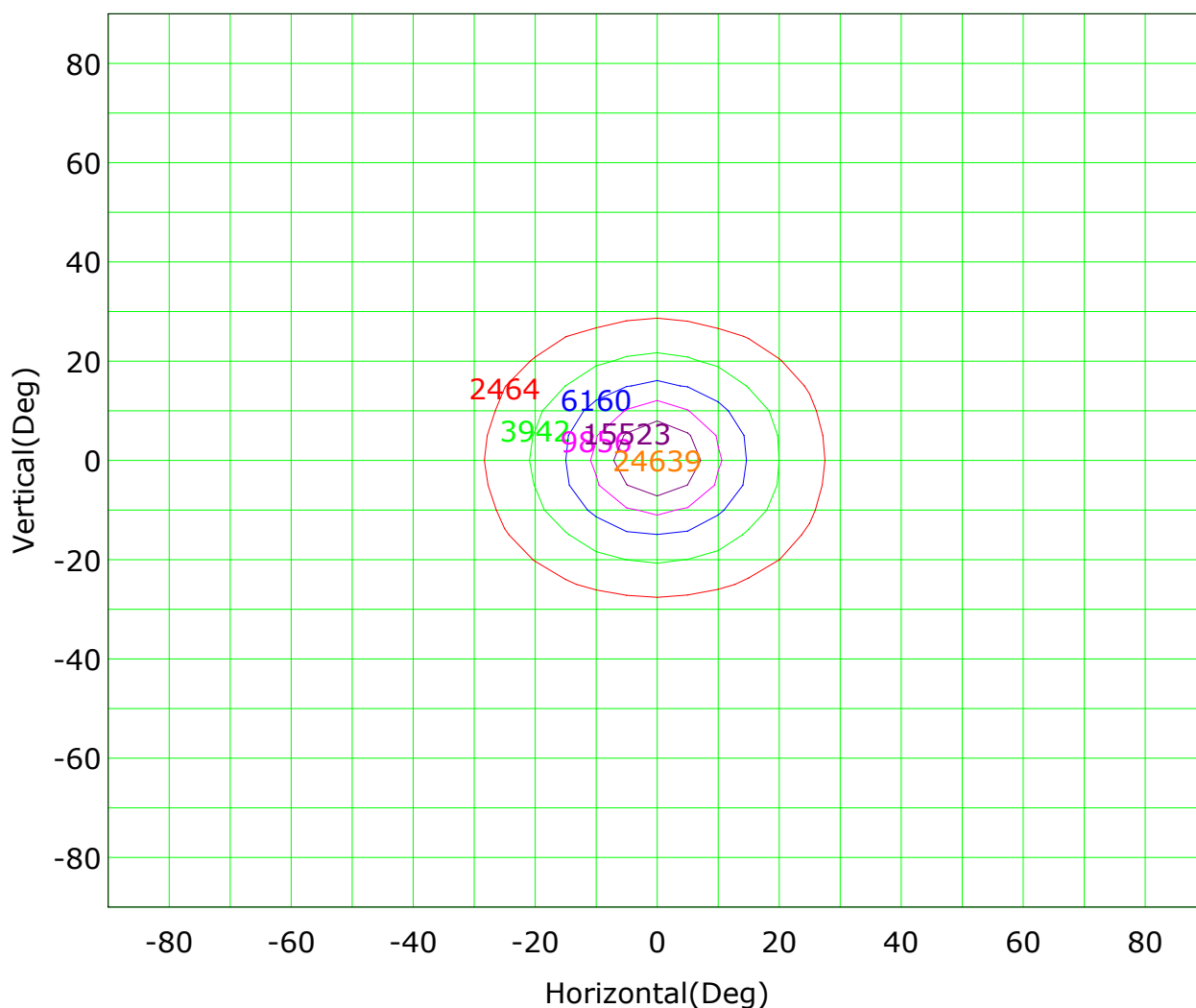
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1600L  
Distance: 7.990 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 24639 cd

( 10%): 2464 cd	( 16%): 3942 cd
( 25%): 6160 cd	( 40%): 9856 cd
( 63%): 15523 cd	(100%): 24639 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

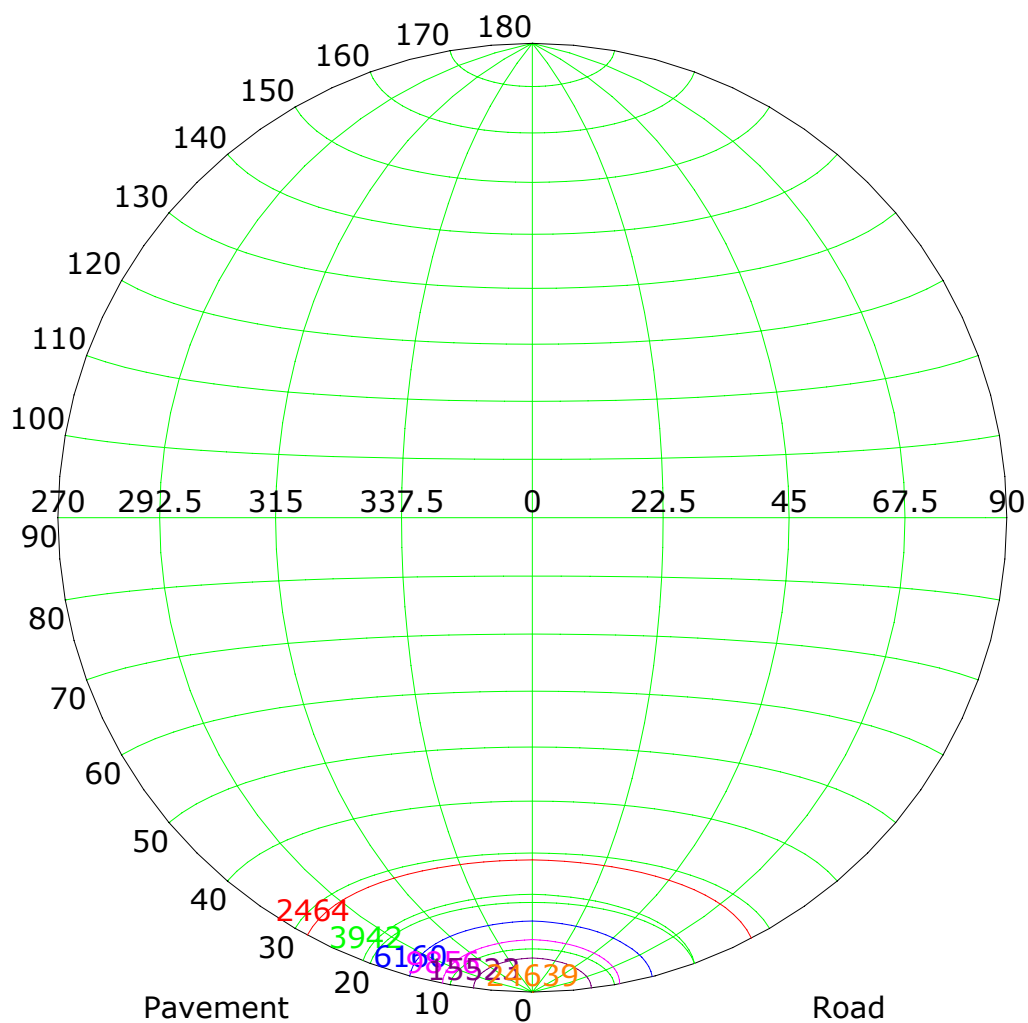
Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

## Isocandela (sphere)

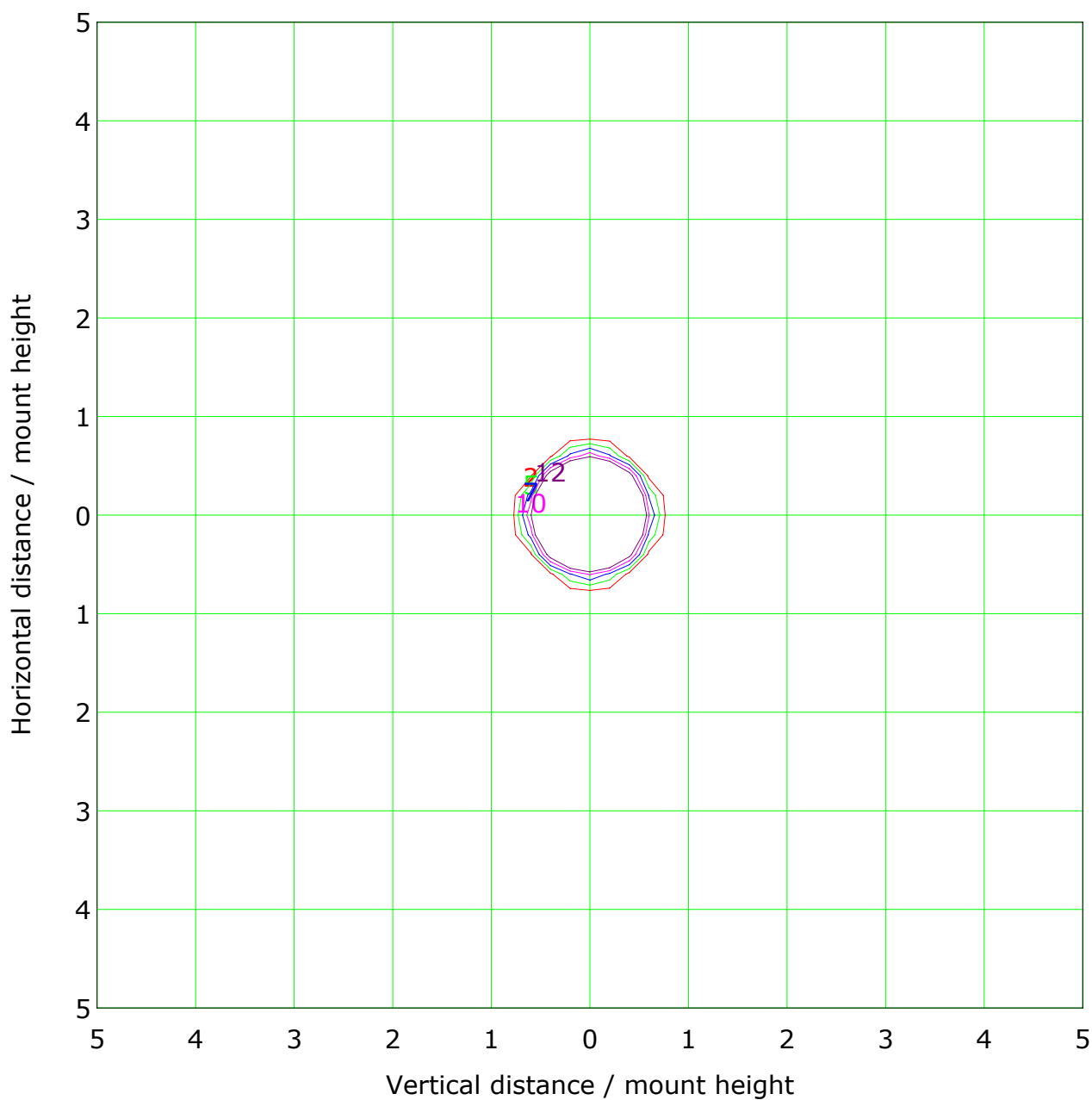


Imax (100%): 24639 cd

( 10%): 2464 cd  
( 25%): 6160 cd  
( 63%): 15523 cd

( 16%): 3942 cd  
( 40%): 9856 cd  
(100%): 24639 cd

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 246.4 lx

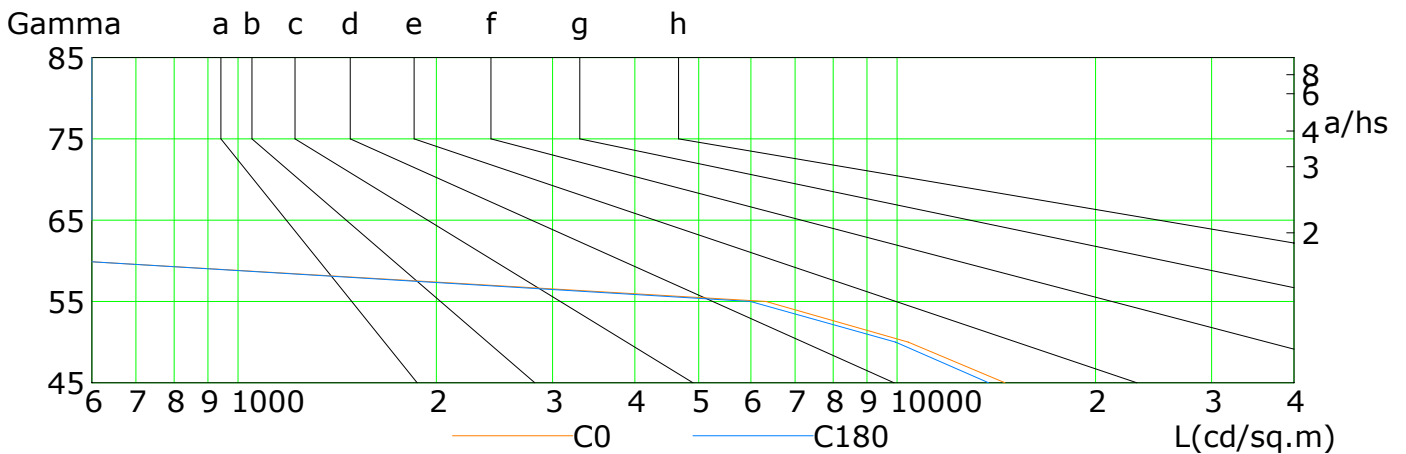
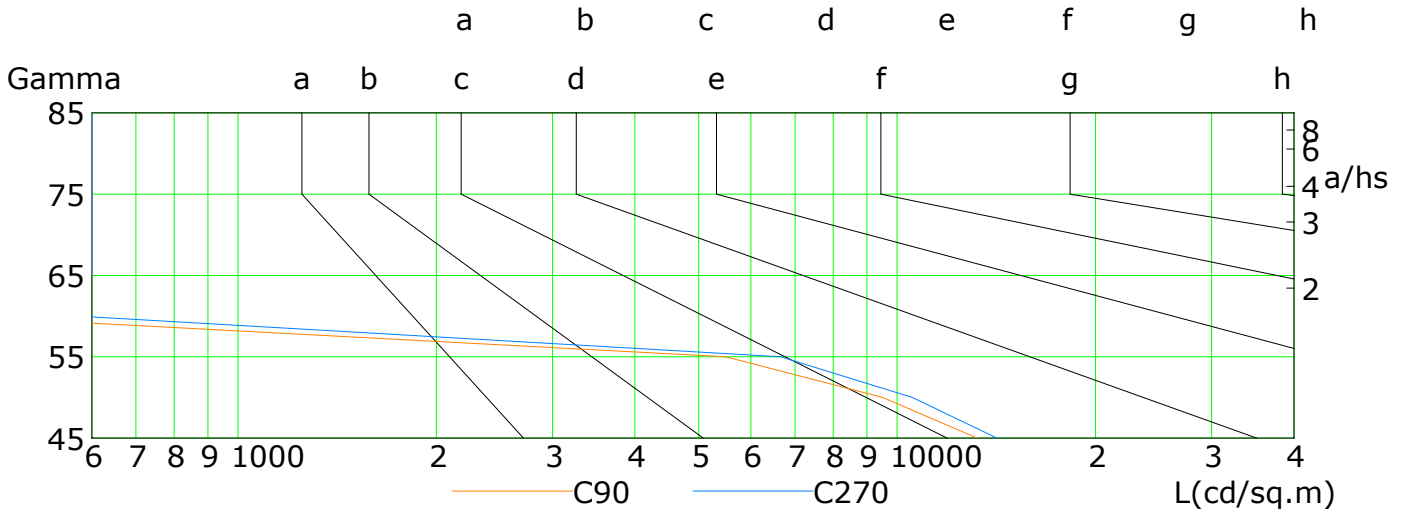
— ( 1%): 2.5 lx	— ( 2%): 4.9 lx
— ( 3%): 7.4 lx	— ( 4%): 9.9 lx
— ( 5%): 12.3 lx	

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1600L  
Distance: 7.990 m  
Humidity:  
Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	14578	10394	6323	572	0	0	0	0	0
C90	13229	9504	5492	382	0	0	0	0	0
C180	13767	9949	5990	572	0	0	0	0	0
C270	14173	10543	6656	572	0	0	0	0	0

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

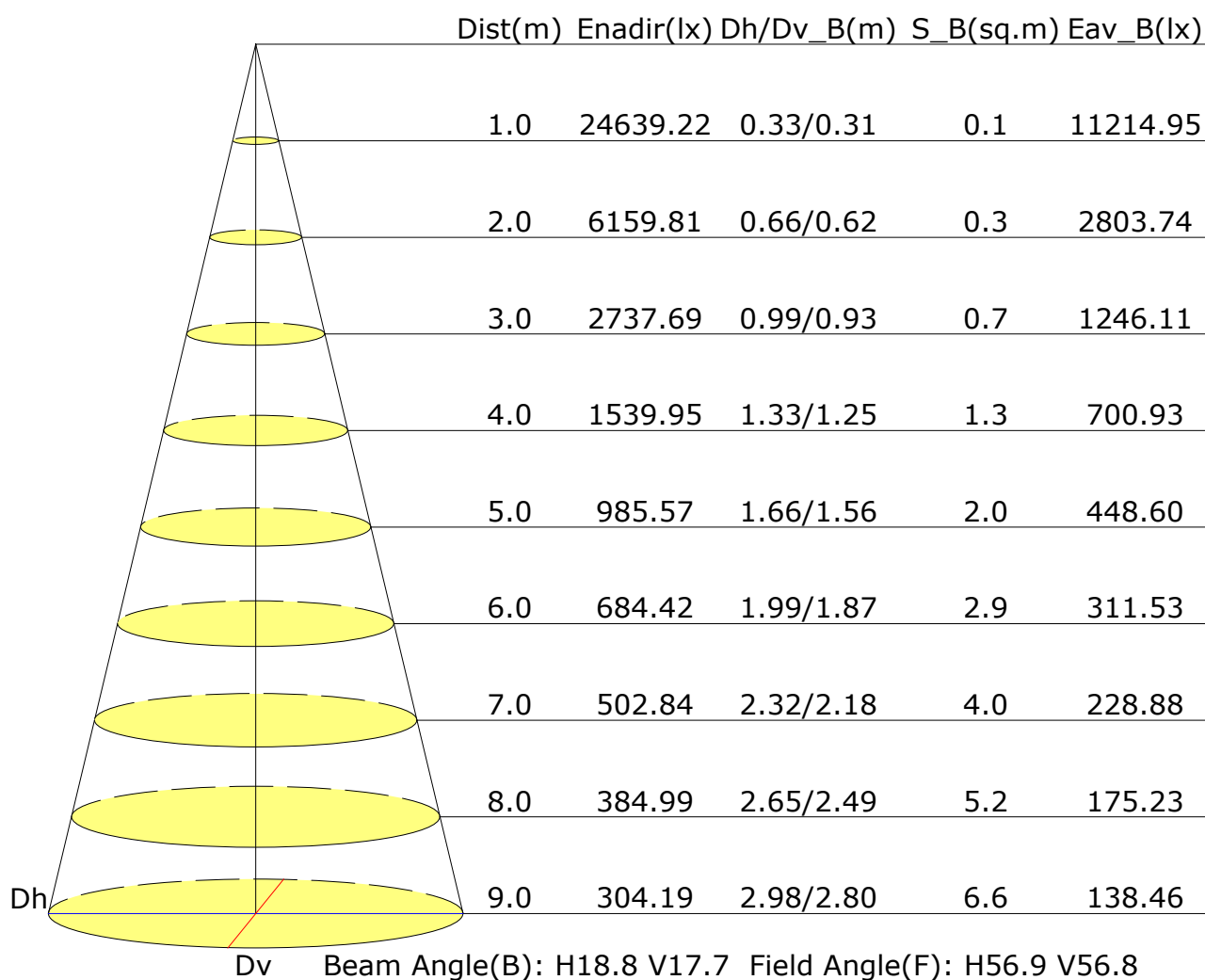
Humidity:

Inspector:

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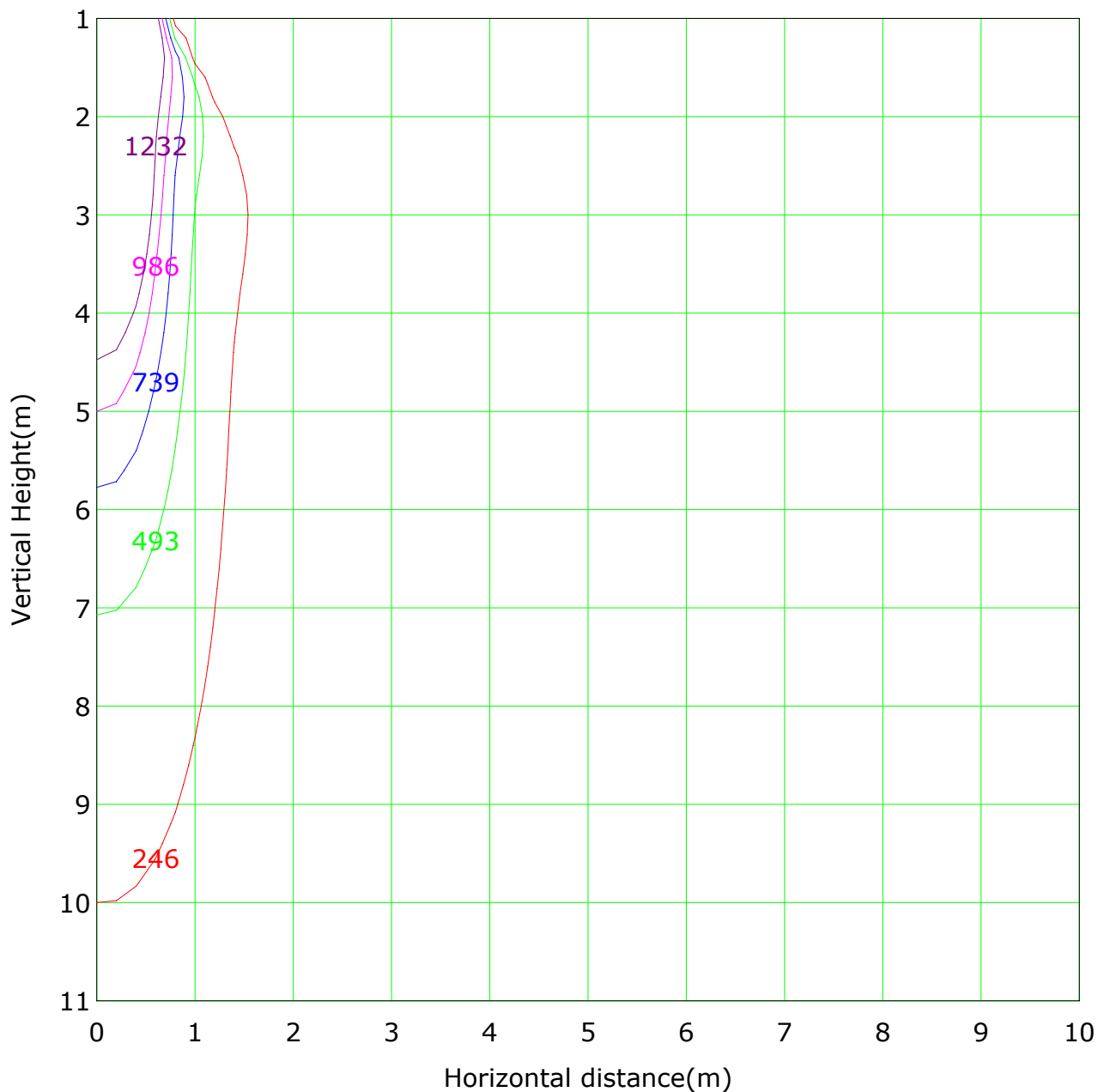
## Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1600L  
Distance: 7.990 m  
Humidity:  
Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 24639.2 lx

( 1%): 246.4 lx

( 2%): 492.8 lx

( 3%): 739.2 lx

( 4%): 985.6 lx

( 5%):1232.0 lx

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

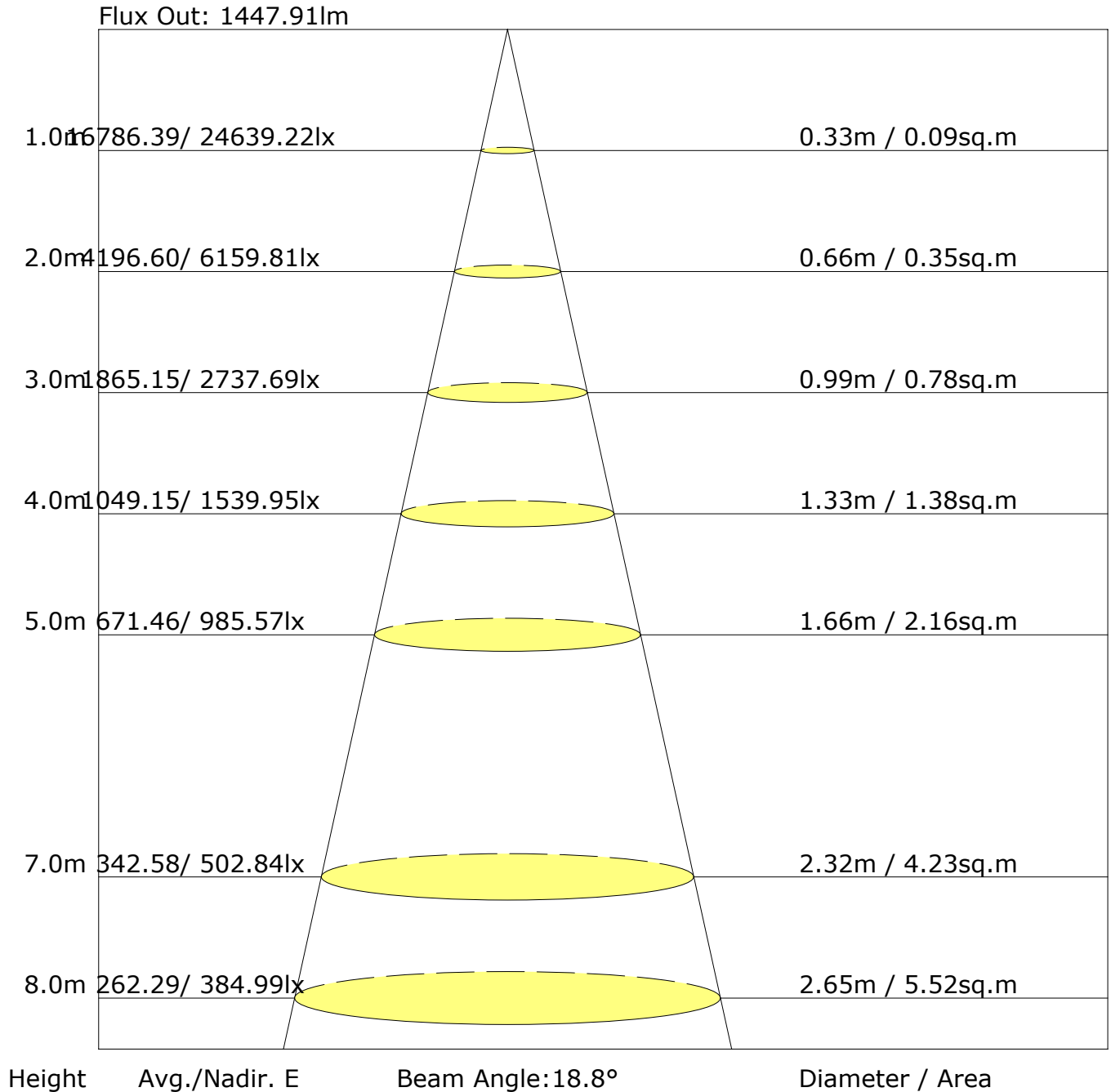
Distance: 7.990 m

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	-1.7	-0.8	-1.3	-0.5	-0.2	-3.2	-2.3	-2.9	-2.0	-1.7	
3H	-1.9	-1.1	-1.5	-0.8	-0.4	-3.5	-2.7	-3.1	-2.3	-2.0	
4H	-2.0	-1.3	-1.6	-0.9	-0.5	-3.6	-2.8	-3.2	-2.5	-2.1	
6H	-2.1	-1.5	-1.7	-1.1	-0.7	-3.7	-3.0	-3.3	-2.6	-2.2	
8H	-2.2	-1.6	-1.8	-1.2	-0.8	-3.7	-3.1	-3.3	-2.7	-2.3	
12H	-2.3	-1.7	-1.8	-1.3	-0.8	-3.8	-3.2	-3.4	-2.8	-2.4	
X=4H Y=2H	-2.0	-1.3	-1.6	-0.9	-0.5	-3.6	-2.8	-3.2	-2.5	-2.1	
3H	-2.2	-1.7	-1.8	-1.2	-0.8	-3.8	-3.2	-3.4	-2.8	-2.4	
4H	-2.4	-1.8	-1.9	-1.4	-1.0	-3.9	-3.4	-3.5	-3.0	-2.5	
6H	-2.5	-2.0	-2.0	-1.6	-1.1	-4.0	-3.6	-3.6	-3.1	-2.7	
8H	-2.6	-2.2	-2.1	-1.7	-1.2	-4.1	-3.7	-3.6	-3.3	-2.8	
12H	-2.6	-2.3	-2.1	-1.8	-1.3	-4.2	-3.8	-3.7	-3.3	-2.9	
X=8H Y=4H	-2.6	-2.2	-2.1	-1.7	-1.2	-4.1	-3.7	-3.6	-3.3	-2.8	
6H	-2.7	-2.4	-2.2	-1.9	-1.4	-4.3	-3.9	-3.7	-3.4	-2.9	
8H	-2.8	-2.5	-2.2	-2.0	-1.5	-4.3	-4.0	-3.8	-3.5	-3.0	
12H	-2.8	-2.6	-2.3	-2.1	-1.5	-4.4	-4.1	-3.9	-3.6	-3.1	
X=12H Y=4H	-2.6	-2.3	-2.1	-1.8	-1.3	-4.2	-3.8	-3.7	-3.3	-2.9	
6H	-2.8	-2.5	-2.2	-2.0	-1.5	-4.3	-4.0	-3.8	-3.6	-3.0	
8H	-2.8	-2.6	-2.3	-2.1	-1.5	-4.4	-4.1	-3.9	-3.6	-3.1	

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

Tel:  
Fax:

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## 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	24461.0	23.4	23.4	0.44	0.44
1.0-2.0	24019.3	68.9	92.4	1.30	1.74
2.0-3.0	23144.1	110.7	203.1	2.09	3.83
3.0-4.0	21881.8	146.5	349.6	2.77	6.60
4.0-5.0	20348.5	175.1	524.6	3.31	9.91
5.0-6.0	18639.4	195.9	720.5	3.70	13.61
6.0-7.0	16821.4	208.8	929.4	3.94	17.55
7.0-8.0	15015.3	214.9	1144.3	4.06	21.61
8.0-9.0	13304.5	215.7	1359.9	4.07	25.68
9.0-10.0	11738.7	212.5	1572.4	4.01	29.69
10.0-11.0	10345.4	206.7	1779.1	3.90	33.60
11.0-12.0	9139.7	199.8	1979.0	3.77	37.37
12.0-13.0	8120.0	192.7	2171.7	3.64	41.01
13.0-14.0	7252.9	185.7	2357.4	3.51	44.52
14.0-15.0	6524.2	179.1	2536.5	3.38	47.90
15.0-16.0	5908.2	173.1	2709.6	3.27	51.17
16.0-17.0	5389.4	167.9	2877.5	3.17	54.34
17.0-18.0	4954.1	163.4	3040.9	3.09	57.42
18.0-19.0	4584.2	159.5	3200.4	3.01	60.44
19.0-20.0	4268.1	156.2	3356.6	2.95	63.39
20.0-21.0	3997.7	153.5	3510.1	2.90	66.29
21.0-22.0	3761.0	151.2	3661.3	2.85	69.14
22.0-23.0	3548.2	148.9	3810.2	2.81	71.95
23.0-24.0	3353.8	146.7	3956.9	2.77	74.72
24.0-25.0	3172.4	144.3	4101.1	2.72	77.45
25.0-26.0	2998.8	141.6	4242.7	2.67	80.12
26.0-27.0	2826.6	138.3	4381.0	2.61	82.73
27.0-28.0	2644.0	133.9	4514.9	2.53	85.26
28.0-29.0	2436.1	127.5	4642.3	2.41	87.67
29.0-30.0	2187.8	118.1	4760.5	2.23	89.90
30.0-31.0	1888.3	105.1	4865.6	1.98	91.88
31.0-32.0	1547.9	88.7	4954.3	1.67	93.56
32.0-33.0	1186.1	69.9	5024.2	1.32	94.88
33.0-34.0	840.0	50.8	5075.0	0.96	95.84
34.0-35.0	560.6	34.8	5109.8	0.66	96.50
35.0-36.0	372.5	23.7	5133.5	0.45	96.94

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

Tel:  
Fax:

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## 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	264.9	17.3	5150.8	0.33	97.27
37.0-38.0	208.5	13.9	5164.7	0.26	97.53
38.0-39.0	177.2	12.1	5176.8	0.23	97.76
39.0-40.0	157.4	11.0	5187.8	0.21	97.97
40.0-41.0	142.9	10.2	5198.0	0.19	98.16
41.0-42.0	130.8	9.5	5207.5	0.18	98.34
42.0-43.0	120.3	8.9	5216.4	0.17	98.51
43.0-44.0	111.2	8.4	5224.8	0.16	98.67
44.0-45.0	102.7	7.9	5232.7	0.15	98.82
45.0-46.0	94.7	7.4	5240.1	0.14	98.96
46.0-47.0	87.7	7.0	5247.1	0.13	99.09
47.0-48.0	81.1	6.6	5253.6	0.12	99.21
48.0-49.0	74.6	6.1	5259.8	0.12	99.33
49.0-50.0	68.1	5.7	5265.4	0.11	99.43
50.0-51.0	61.7	5.2	5270.7	0.10	99.53
51.0-52.0	55.5	4.8	5275.4	0.09	99.62
52.0-53.0	49.4	4.3	5279.7	0.08	99.70
53.0-54.0	43.4	3.8	5283.6	0.07	99.78
54.0-55.0	37.8	3.4	5286.9	0.06	99.84
55.0-56.0	31.9	2.9	5289.8	0.05	99.90
56.0-57.0	25.7	2.3	5292.2	0.04	99.94
57.0-58.0	18.9	1.7	5293.9	0.03	99.97
58.0-59.0	10.1	0.9	5294.8	0.02	99.99
59.0-60.0	3.9	0.4	5295.2	0.01	100.00
60.0-61.0	1.4	0.1	5295.4	0.00	100.00
61.0-62.0	0.1	0.0	5295.4	0.00	100.00
62.0-63.0	0.0	0.0	5295.4	0.00	100.00
63.0-64.0	0.0	0.0	5295.4	0.00	100.00
64.0-65.0	0.0	0.0	5295.4	0.00	100.00
65.0-66.0	0.0	0.0	5295.4	0.00	100.00
66.0-67.0	0.0	0.0	5295.4	0.00	100.00
67.0-68.0	0.0	0.0	5295.4	0.00	100.00
68.0-69.0	0.0	0.0	5295.4	0.00	100.00
69.0-70.0	0.0	0.0	5295.4	0.00	100.00
70.0-71.0	0.0	0.0	5295.4	0.00	100.00
71.0-72.0	0.0	0.0	5295.4	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

Fax:

## Zonal Lumen (Continue 2)

[illegible]

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

Tel:  
Fax:

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## Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	24639.2	24505.6	24639.2	24505.6	24639.2					
G1.0	24620.1	24316.6	24231.7	24229.8	24620.1					
G2.0	24166.8	23664.7	23414.7	23510.1	24166.8					
G3.0	23259.1	22590.0	22238.8	22308.4	23259.1					
G4.0	22062.2	21063.8	20720.2	20811.9	22062.2					
G5.0	20528.4	19376.4	19143.5	19081.4	20528.4					
G6.0	18863.8	17455.1	17385.4	17281.3	18863.8					
G7.0	17034.1	15515.6	15621.5	15414.4	17034.1					
G8.0	15327.6	13659.2	13875.8	13674.5	15327.6					
G9.0	13586.7	11952.6	12298.1	12061.4	13586.7					
G10.0	12060.5	10427.4	10819.7	10703.2	12060.5					
G11.0	10608.8	9161.8	9540.7	9441.5	10608.8					
G12.0	9410.0	8093.8	8449.8	8411.6	9410.0					
G13.0	8323.8	7197.5	7551.6	7522.0	8323.8					
G14.0	7447.6	6440.6	6754.7	6785.2	7447.6					
G15.0	6668.8	5842.2	6109.5	6144.8	6668.8					
G16.0	6004.5	5324.9	5543.5	5627.5	6004.5					
G17.0	5486.2	4888.7	5093.0	5147.4	5486.2					
G18.0	5043.3	4515.5	4710.2	4748.4	5043.3					
G19.0	4662.5	4209.1	4367.6	4417.2	4662.5					
G20.0	4323.7	3940.9	4090.8	4132.8	4323.7					
G21.0	4057.4	3713.8	3843.6	3878.9	4057.4					
G22.0	3815.9	3510.5	3616.4	3651.7	3815.9					
G23.0	3588.8	3330.1	3419.8	3452.3	3588.8					
G24.0	3383.5	3153.5	3232.7	3270.0	3383.5					
G25.0	3195.5	2990.3	3054.3	3099.1	3195.5					
G26.0	3012.3	2827.1	2880.5	2931.1	3012.3					
G27.0	2827.1	2662.0	2699.2	2773.6	2827.1					
G28.0	2641.9	2466.3	2480.6	2600.9	2641.9					
G29.0	2434.8	2237.2	2224.8	2402.4	2434.8					
G30.0	2195.2	1946.1	1918.4	2143.7	2195.2					
G31.0	1900.3	1596.8	1577.7	1827.8	1900.3					
G32.0	1565.3	1235.1	1232.2	1447.9	1565.3					
G33.0	1215.0	853.3	881.9	1058.5	1215.0					
G34.0	861.9	554.5	589.8	705.3	861.9					
G35.0	582.2	358.9	384.6	447.6	582.2					
G36.0	378.9	259.6	269.2	298.7	378.9					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

Tel:  
Fax:

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## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	270.1	206.2	210.0	226.2	270.1					
G38.0	209.0	177.5	180.4	189.0	209.0					
G39.0	178.5	156.5	160.4	166.1	178.5					
G40.0	159.4	142.2	146.0	149.9	159.4					
G41.0	144.1	130.8	134.6	136.5	144.1					
G42.0	131.7	119.3	124.1	125.0	131.7					
G43.0	121.2	110.7	114.5	115.5	121.2					
G44.0	111.7	102.1	105.9	107.8	111.7					
G45.0	103.1	93.5	97.3	100.2	103.1					
G46.0	94.5	85.9	90.7	92.6	94.5					
G47.0	87.8	80.2	84.0	85.9	87.8					
G48.0	80.2	74.4	77.3	79.2	80.2					
G49.0	72.5	67.8	71.6	73.5	72.5					
G50.0	66.8	61.1	64.0	67.8	66.8					
G51.0	59.2	55.4	58.2	61.1	59.2					
G52.0	54.4	47.7	52.5	55.4	54.4					
G53.0	46.8	43.0	46.8	48.7	46.8					
G54.0	42.0	37.2	40.1	43.0	42.0					
G55.0	36.3	31.5	34.4	38.2	36.3					
G56.0	29.6	25.8	28.6	30.5	29.6					
G57.0	23.9	19.1	22.9	24.8	23.9					
G58.0	17.2	12.4	12.4	18.1	17.2					
G59.0	6.7	2.9	4.8	6.7	6.7					
G60.0	2.9	1.9	2.9	2.9	2.9					
G61.0	0.0	0.0	0.0	0.9	0.0					
G62.0	0.0	0.0	0.0	0.0	0.0					
G63.0	0.0	0.0	0.0	0.0	0.0					
G64.0	0.0	0.0	0.0	0.0	0.0					
G65.0	0.0	0.0	0.0	0.0	0.0					
G66.0	0.0	0.0	0.0	0.0	0.0					
G67.0	0.0	0.0	0.0	0.0	0.0					
G68.0	0.0	0.0	0.0	0.0	0.0					
G69.0	0.0	0.0	0.0	0.0	0.0					
G70.0	0.0	0.0	0.0	0.0	0.0					
G71.0	0.0	0.0	0.0	0.0	0.0					
G72.0	0.0	0.0	0.0	0.0	0.0					
G73.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

Inspector:

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## Unit: cd

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: GPM-1600L  
Distance: 7.990 m  
Humidity:  
Inspector: