

Tel:
Fax:

Report No.:

Test Time: 2017-07-27 14:16

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: LED DownLight
Lamp Catalog: 4000k
Luminous Length (mm): 130
Voltage: 219.9 V
Power: 55.80 W

Luminaire Description: DLC0555-B840 38D
Lamp Description: T120840M2
Luminous Width (mm): 130
Current: 0.313 A
Power Factor: 0.809

Photometric Results

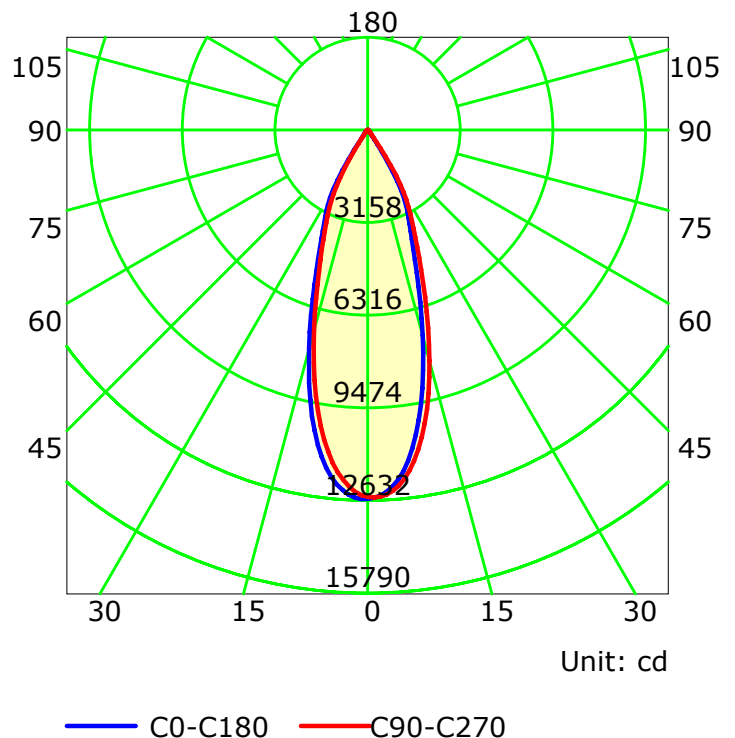
CIE Class: Direct
Measurement Flux: 5329.8 lm
Downward Ratio: 100%
Field Angle: H64.9 V65.2
Luminaire Efficacy Rating (LER): 96
Max. Intensity: 12581.62 cd

Total Rated Lamp Lumens: 5329.8 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H34.3 V35.1
Central Intensity: 12576.36 cd
Pos of Max. Intensity: H180 V1

Picture Of Luminaire



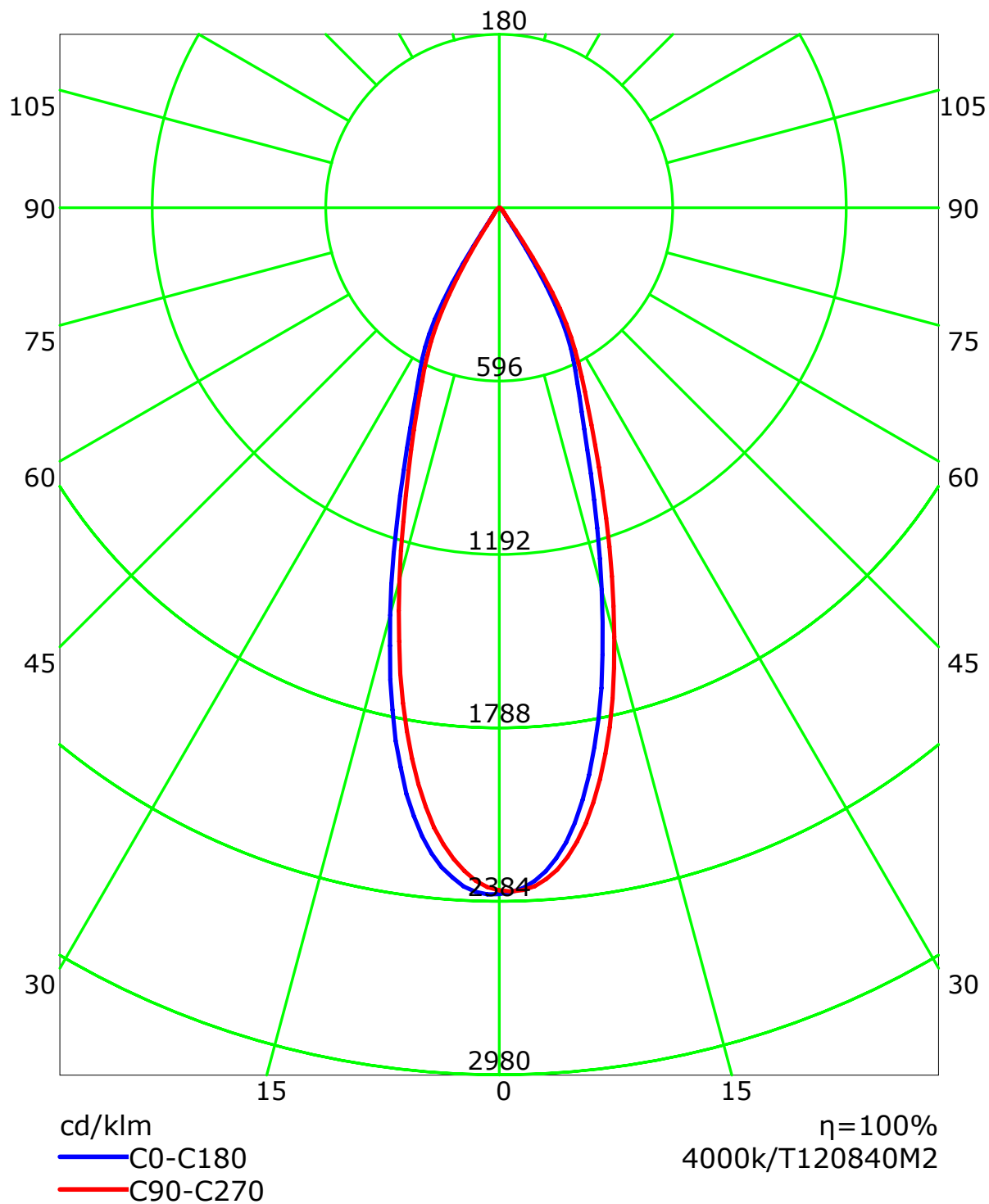
Luminous Intensity Distribution Curve



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:

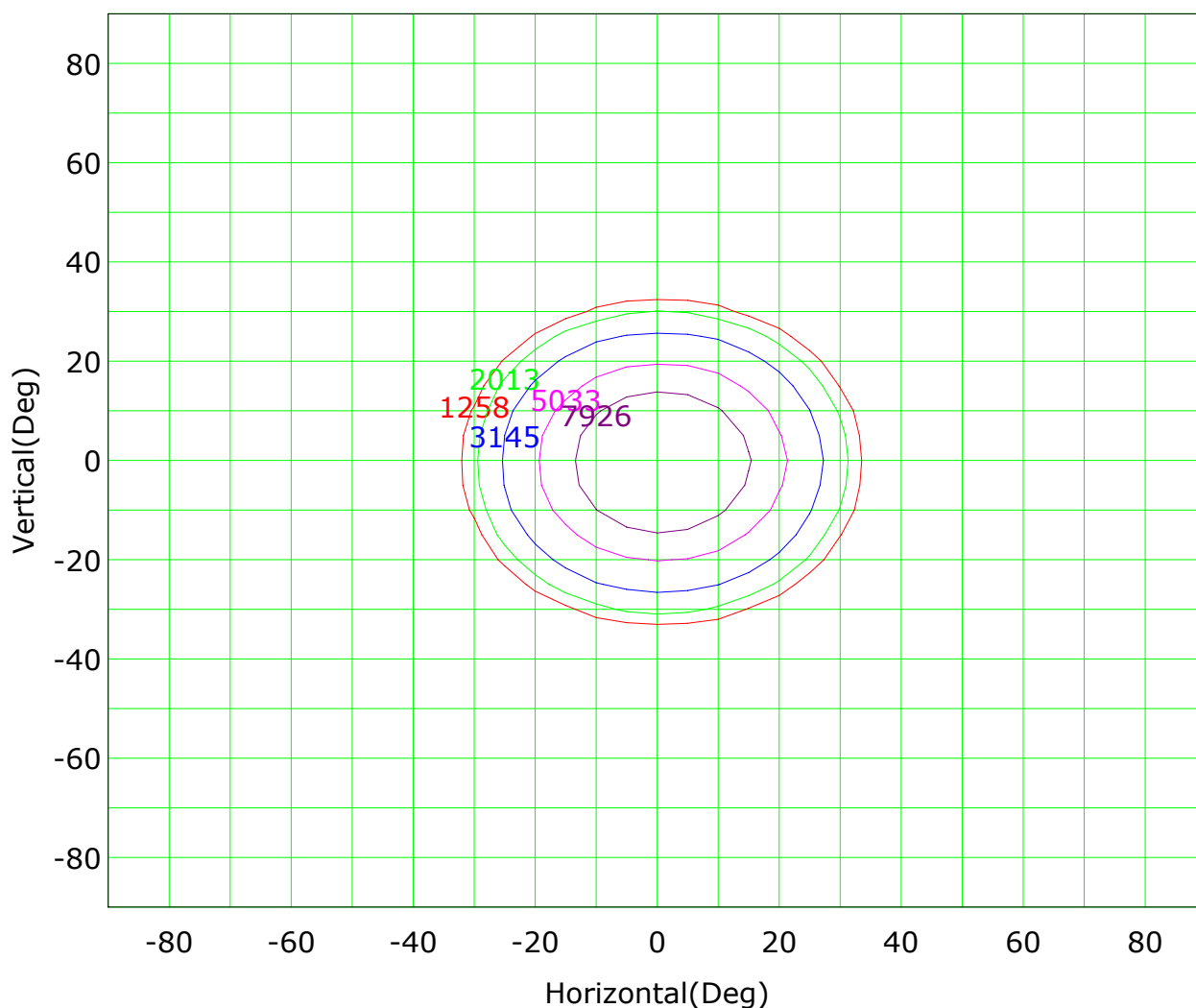
Luminous Intensity Distribution Curve(cd/klm)



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:

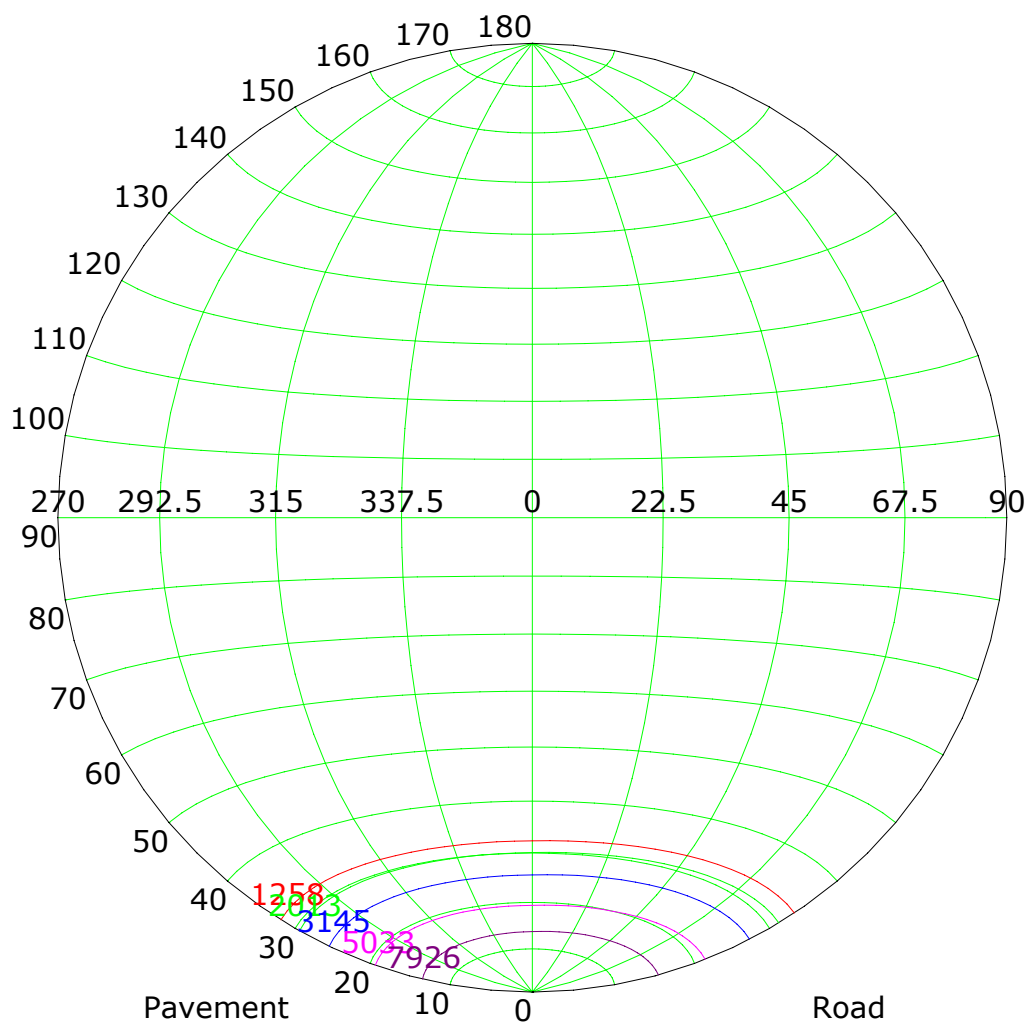
Isocandela (rectangle)



Imax (100%): 12582 cd

(10%): 1258 cd	(16%): 2013 cd
(25%): 3145 cd	(40%): 5033 cd
(63%): 7926 cd	(100%): 12582 cd

Isocandela (sphere)

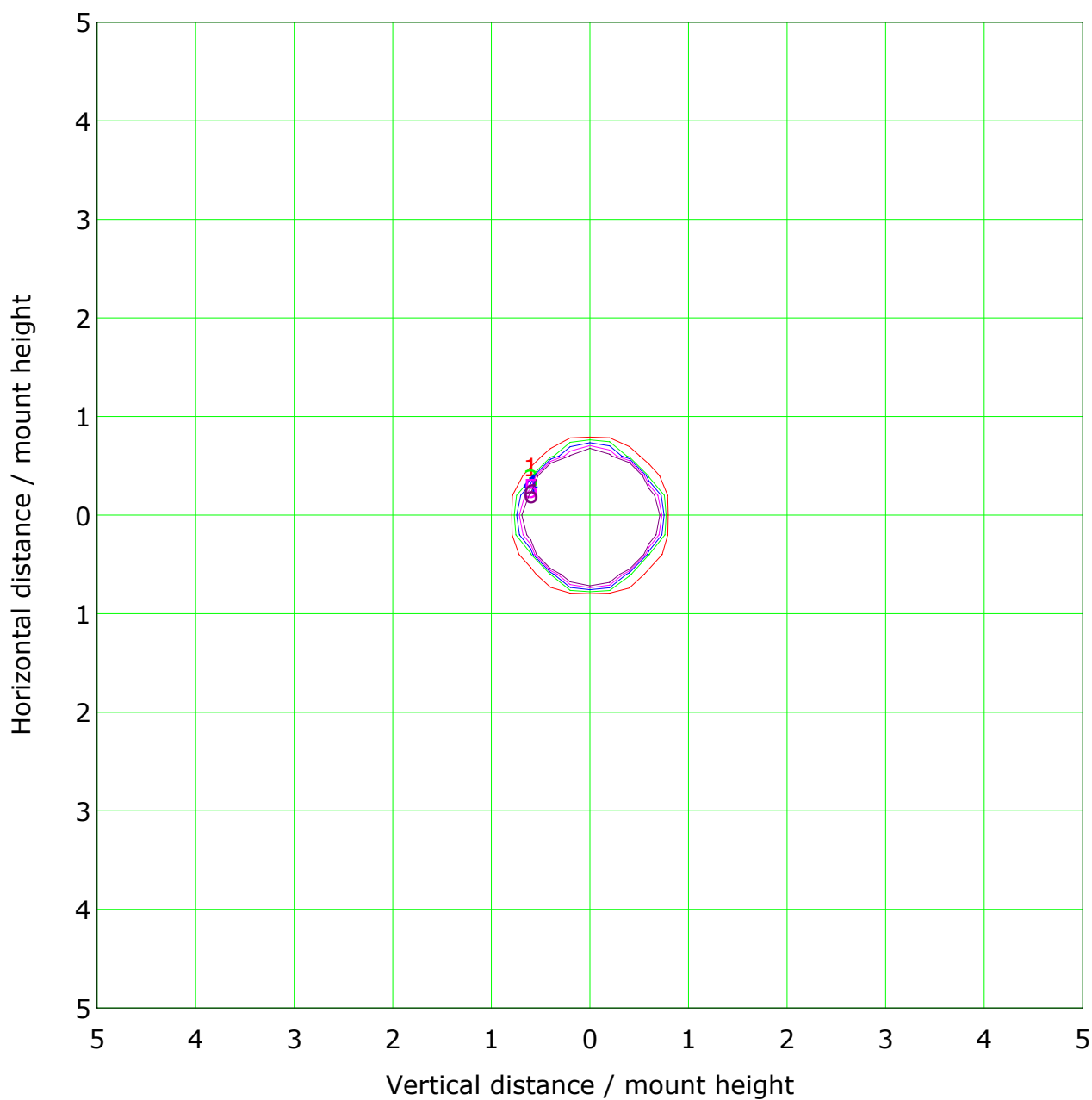


Imax (100%): 12582 cd

(10%): 1258 cd
(25%): 3145 cd
(63%): 7926 cd

(16%): 2013 cd
(40%): 5033 cd
(100%): 12582 cd

IsoLux Plot

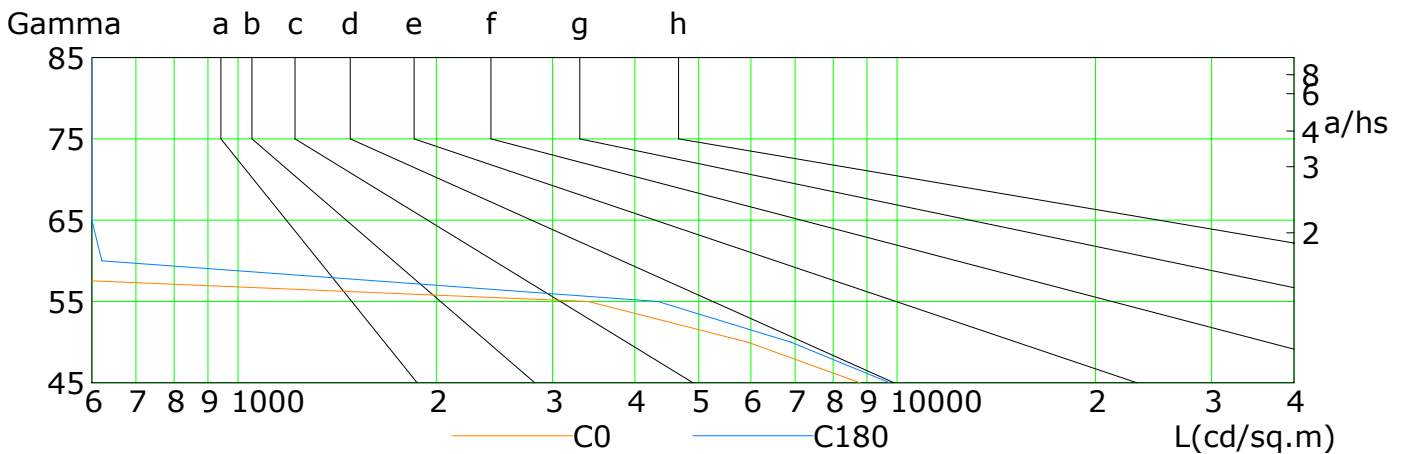
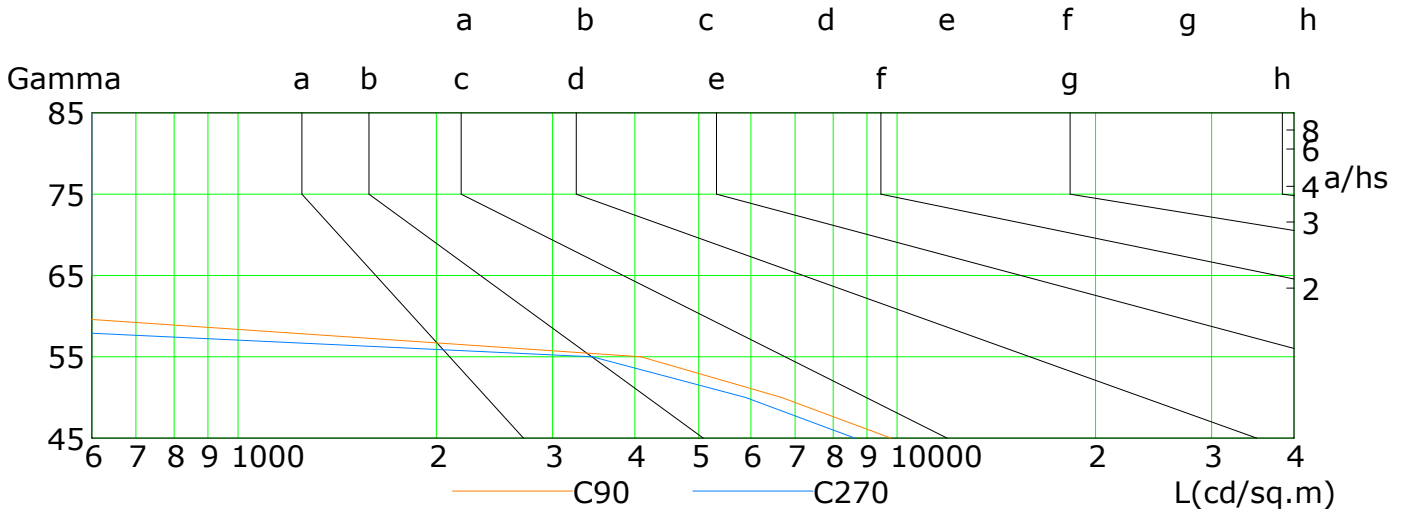


Mounting Height: 10.0m Max Lux(100%): 125.8 lx

— (1%): 1.3 lx	— (2%): 2.5 lx
— (3%): 3.8 lx	— (4%): 5.0 lx
— (5%): 6.3 lx	

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	8786	5931	3397	112	0	0	0	0	0
C90	9784	6678	4086	509	0	0	0	0	0
C180	9744	6897	4333	621	0	0	0	0	0
C270	8626	5887	3447	169	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

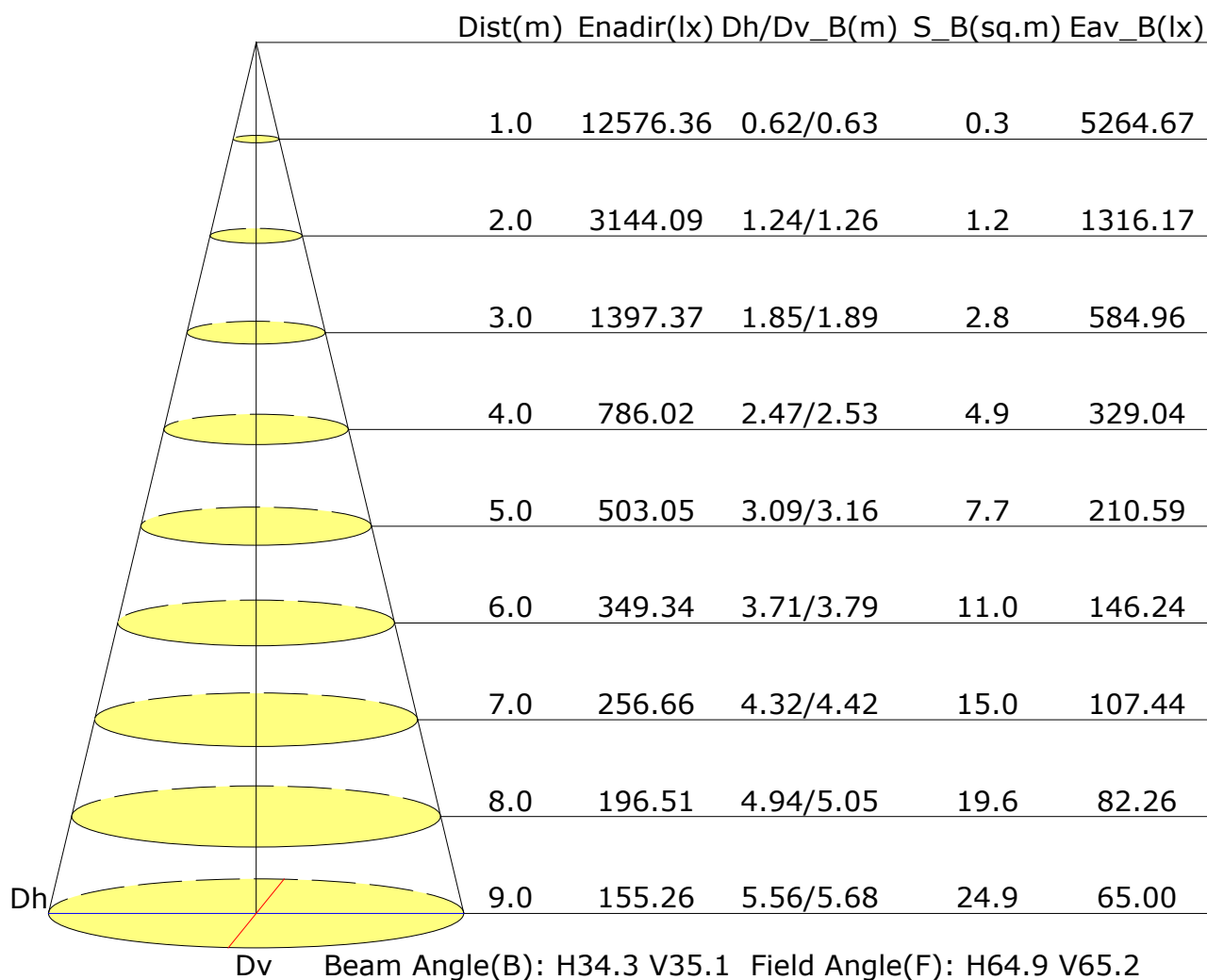
Humidity:

Inspector:

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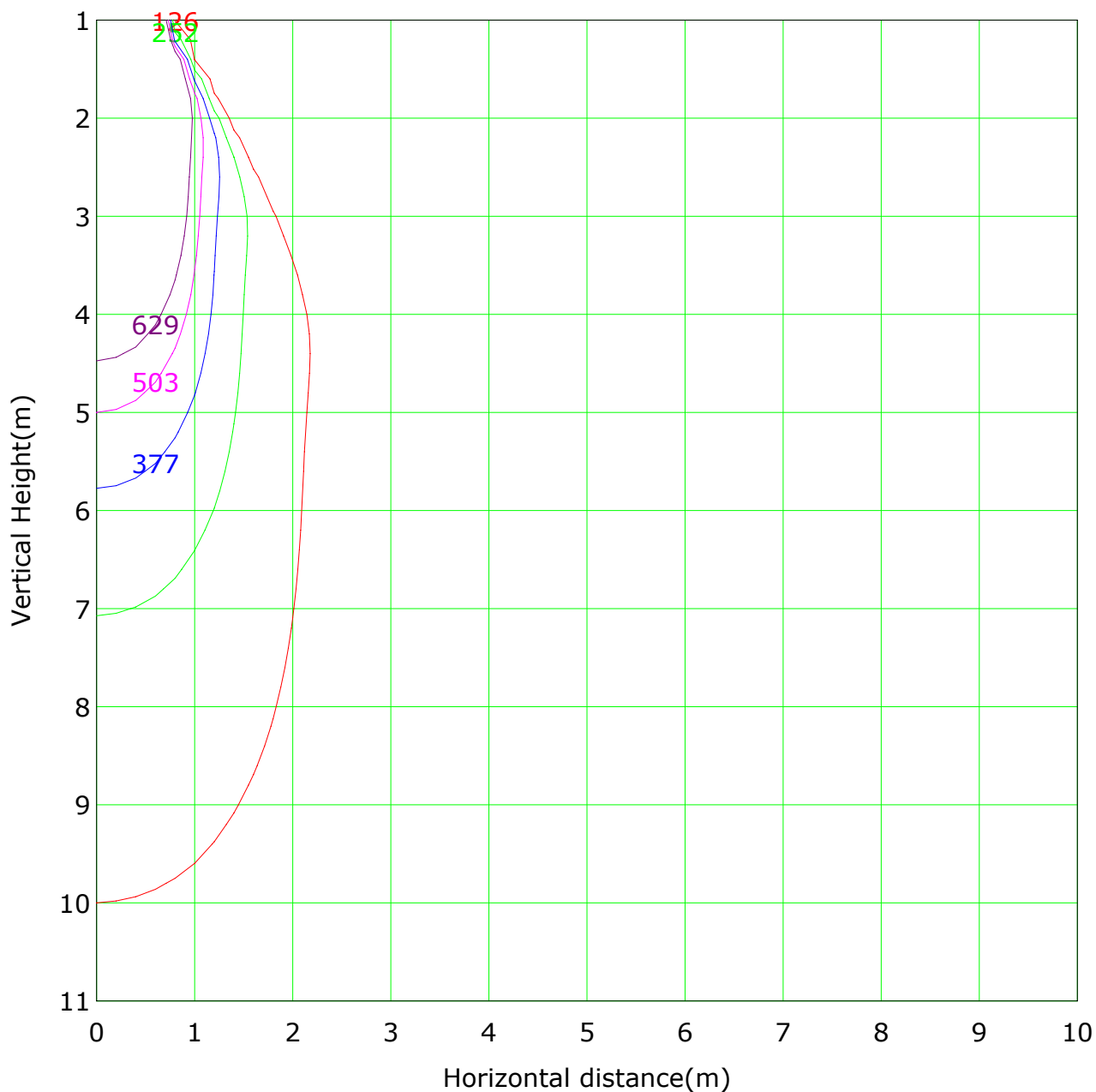
Illuminance at a Distance



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

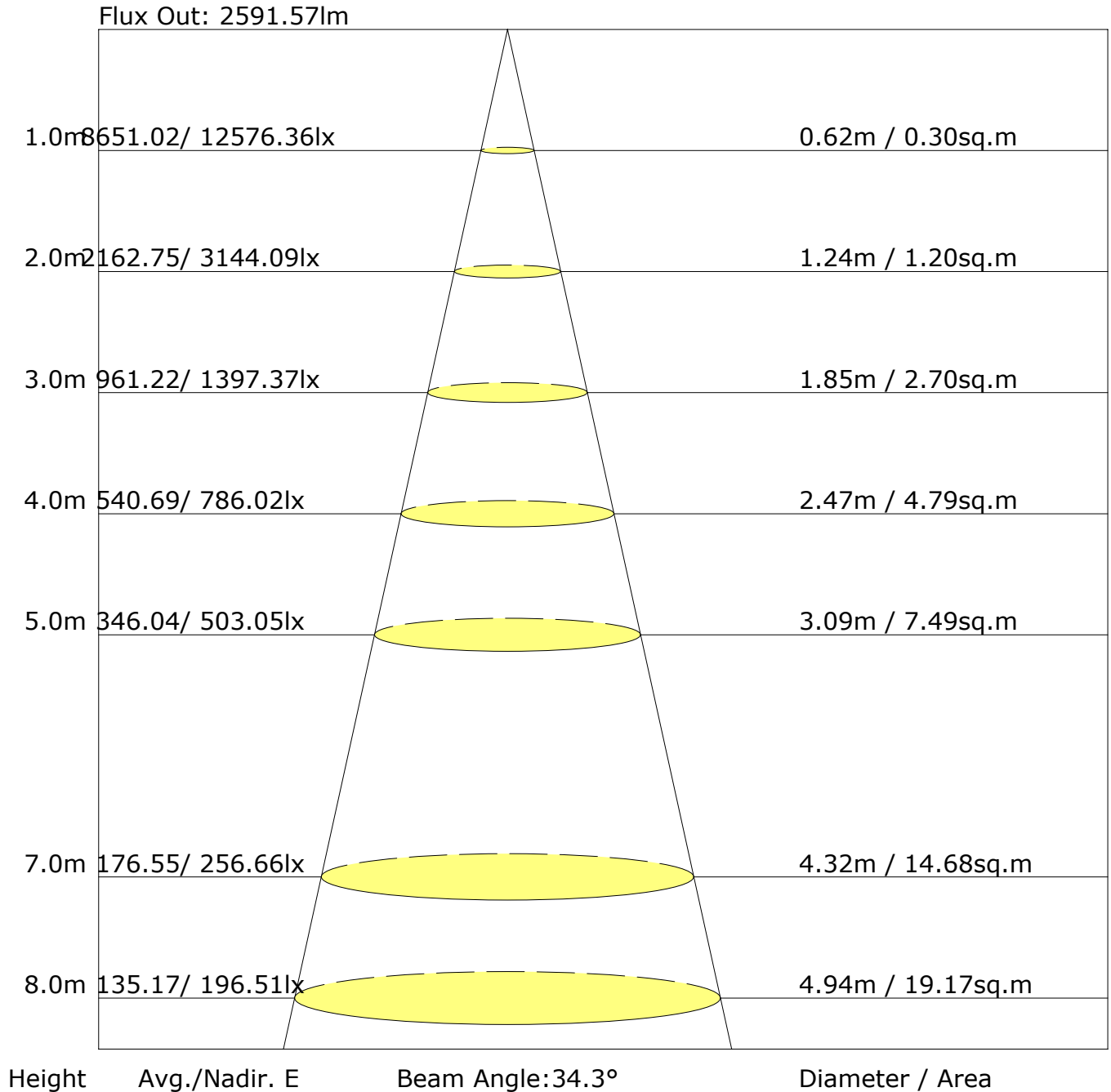


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 12576.4 lx

(1%): 125.8 lx
(3%): 377.3 lx
(5%): 628.8 lx

(2%): 251.5 lx
(4%): 503.1 lx

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	-5.6	-4.7	-5.3	-4.4	-4.1	-2.4	-1.5	-2.0	-1.2	-0.8	
3H	-5.9	-5.1	-5.5	-4.7	-4.4	-2.6	-1.8	-2.2	-1.5	-1.1	
4H	-6.0	-5.2	-5.6	-4.9	-4.5	-2.7	-2.0	-2.3	-1.6	-1.2	
6H	-6.1	-5.4	-5.7	-5.0	-4.6	-2.8	-2.1	-2.4	-1.8	-1.4	
8H	-6.1	-5.5	-5.7	-5.1	-4.7	-2.9	-2.3	-2.4	-1.9	-1.4	
12H	-6.2	-5.6	-5.8	-5.2	-4.8	-2.9	-2.3	-2.5	-2.0	-1.5	
X=4H Y=2H	-6.0	-5.2	-5.6	-4.9	-4.5	-2.7	-2.0	-2.3	-1.6	-1.2	
3H	-6.2	-5.6	-5.8	-5.2	-4.8	-2.9	-2.3	-2.5	-1.9	-1.5	
4H	-6.3	-5.8	-5.9	-5.4	-4.9	-3.1	-2.5	-2.6	-2.1	-1.7	
6H	-6.4	-6.0	-6.0	-5.5	-5.1	-3.2	-2.7	-2.7	-2.3	-1.8	
8H	-6.5	-6.1	-6.0	-5.6	-5.2	-3.3	-2.8	-2.8	-2.4	-1.9	
12H	-6.6	-6.2	-6.1	-5.7	-5.3	-3.3	-3.0	-2.8	-2.5	-2.0	
X=8H Y=4H	-6.5	-6.1	-6.0	-5.6	-5.2	-3.3	-2.8	-2.8	-2.4	-1.9	
6H	-6.6	-6.3	-6.1	-5.8	-5.3	-3.4	-3.1	-2.9	-2.5	-2.1	
8H	-6.7	-6.4	-6.2	-5.9	-5.4	-3.5	-3.2	-2.9	-2.6	-2.1	
12H	-6.8	-6.5	-6.3	-6.0	-5.4	-3.5	-3.3	-3.0	-2.8	-2.2	
X=12H Y=4H	-6.6	-6.2	-6.1	-5.7	-5.3	-3.3	-3.0	-2.8	-2.5	-2.0	
6H	-6.7	-6.4	-6.2	-6.0	-5.4	-3.5	-3.2	-2.9	-2.7	-2.1	
8H	-6.8	-6.5	-6.3	-6.0	-5.4	-3.5	-3.3	-3.0	-2.8	-2.2	

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:
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Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	12533.6	12.0	12.0	0.23	0.23
1.0-2.0	12495.6	35.9	47.9	0.67	0.90
2.0-3.0	12410.8	59.4	107.2	1.11	2.01
3.0-4.0	12275.7	82.2	189.4	1.54	3.55
4.0-5.0	12095.9	104.1	293.5	1.95	5.51
5.0-6.0	11869.9	124.8	418.2	2.34	7.85
6.0-7.0	11586.1	143.8	562.1	2.70	10.55
7.0-8.0	11247.2	161.0	723.1	3.02	13.57
8.0-9.0	10862.8	176.1	899.1	3.30	16.87
9.0-10.0	10431.8	188.8	1087.9	3.54	20.41
10.0-11.0	9967.5	199.2	1287.1	3.74	24.15
11.0-12.0	9473.9	207.1	1494.3	3.89	28.04
12.0-13.0	8941.9	212.2	1706.5	3.98	32.02
13.0-14.0	8383.6	214.6	1921.1	4.03	36.04
14.0-15.0	7823.7	214.8	2135.9	4.03	40.08
15.0-16.0	7272.3	213.1	2349.0	4.00	44.07
16.0-17.0	6727.1	209.5	2558.6	3.93	48.01
17.0-18.0	6198.7	204.4	2763.0	3.84	51.84
18.0-19.0	5702.0	198.4	2961.4	3.72	55.56
19.0-20.0	5242.4	191.9	3153.3	3.60	59.16
20.0-21.0	4827.6	185.4	3338.7	3.48	62.64
21.0-22.0	4455.9	179.1	3517.8	3.36	66.00
22.0-23.0	4123.4	173.0	3690.8	3.25	69.25
23.0-24.0	3828.0	167.4	3858.2	3.14	72.39
24.0-25.0	3566.9	162.2	4020.4	3.04	75.43
25.0-26.0	3329.5	157.2	4177.6	2.95	78.38
26.0-27.0	3100.5	151.7	4329.3	2.85	81.23
27.0-28.0	2869.1	145.3	4474.6	2.73	83.95
28.0-29.0	2616.5	136.9	4611.5	2.57	86.52
29.0-30.0	2330.6	125.9	4737.3	2.36	88.88
30.0-31.0	2006.9	111.7	4849.0	2.10	90.98
31.0-32.0	1650.3	94.6	4943.6	1.77	92.75
32.0-33.0	1282.5	75.6	5019.2	1.42	94.17
33.0-34.0	936.7	56.7	5075.8	1.06	95.24
34.0-35.0	651.8	40.5	5116.3	0.76	96.00
35.0-36.0	450.6	28.7	5145.0	0.54	96.53

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	324.6	21.2	5166.2	0.40	96.93
37.0-38.0	253.0	16.9	5183.1	0.32	97.25
38.0-39.0	211.2	14.4	5197.5	0.27	97.52
39.0-40.0	185.0	12.9	5210.4	0.24	97.76
40.0-41.0	166.3	11.8	5222.3	0.22	97.98
41.0-42.0	151.2	11.0	5233.2	0.21	98.19
42.0-43.0	138.1	10.2	5243.5	0.19	98.38
43.0-44.0	126.5	9.5	5253.0	0.18	98.56
44.0-45.0	115.6	8.9	5261.9	0.17	98.73
45.0-46.0	106.0	8.3	5270.2	0.16	98.88
46.0-47.0	97.1	7.7	5277.9	0.14	99.03
47.0-48.0	88.4	7.1	5285.1	0.13	99.16
48.0-49.0	80.3	6.6	5291.7	0.12	99.28
49.0-50.0	72.7	6.1	5297.7	0.11	99.40
50.0-51.0	65.3	5.5	5303.2	0.10	99.50
51.0-52.0	58.6	5.0	5308.3	0.09	99.60
52.0-53.0	52.3	4.5	5312.8	0.09	99.68
53.0-54.0	45.9	4.0	5316.9	0.08	99.76
54.0-55.0	40.0	3.6	5320.4	0.07	99.82
55.0-56.0	34.1	3.1	5323.5	0.06	99.88
56.0-57.0	27.9	2.6	5326.1	0.05	99.93
57.0-58.0	20.0	1.9	5327.9	0.03	99.97
58.0-59.0	11.6	1.1	5329.0	0.02	99.99
59.0-60.0	5.3	0.5	5329.5	0.01	100.00
60.0-61.0	2.0	0.2	5329.7	0.00	100.00
61.0-62.0	0.6	0.1	5329.8	0.00	100.00
62.0-63.0	0.1	0.0	5329.8	0.00	100.00
63.0-64.0	0.0	0.0	5329.8	0.00	100.00
64.0-65.0	0.0	0.0	5329.8	0.00	100.00
65.0-66.0	0.0	0.0	5329.8	0.00	100.00
66.0-67.0	0.0	0.0	5329.8	0.00	100.00
67.0-68.0	0.0	0.0	5329.8	0.00	100.00
68.0-69.0	0.0	0.0	5329.8	0.00	100.00
69.0-70.0	0.0	0.0	5329.8	0.00	100.00
70.0-71.0	0.0	0.0	5329.8	0.00	100.00
71.0-72.0	0.0	0.0	5329.8	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	12576.4	12506.7	12576.4	12506.7	12576.4					
G1.0	12541.0	12530.5	12581.6	12449.4	12541.0					
G2.0	12472.8	12508.1	12540.6	12340.6	12472.8					
G3.0	12353.0	12447.5	12453.2	12170.7	12353.0					
G4.0	12187.4	12330.6	12299.6	11963.6	12187.4					
G5.0	11966.0	12178.3	12129.2	11712.1	11966.0					
G6.0	11695.9	11963.1	11894.4	11420.0	11695.9					
G7.0	11355.1	11702.6	11602.3	11055.0	11355.1					
G8.0	10958.1	11390.0	11251.6	10663.2	10958.1					
G9.0	10520.0	11026.8	10874.6	10217.9	10520.0					
G10.0	10034.7	10630.7	10407.4	9742.1	10034.7					
G11.0	9536.0	10192.6	9950.7	9246.3	9536.0					
G12.0	8998.1	9734.5	9406.6	8726.6	8998.1					
G13.0	8405.9	9231.5	8876.4	8155.3	8405.9					
G14.0	7831.8	8688.4	8269.4	7610.3	7831.8					
G15.0	7251.5	8144.8	7728.2	7065.3	7251.5					
G16.0	6687.9	7593.2	7170.8	6536.6	6687.9					
G17.0	6139.5	7062.5	6615.8	6010.7	6139.5					
G18.0	5626.5	6530.9	6067.0	5536.8	5626.5					
G19.0	5150.7	6016.4	5578.3	5109.2	5150.7					
G20.0	4717.4	5532.0	5116.4	4718.8	4717.4					
G21.0	4346.6	5094.9	4724.1	4370.4	4346.6					
G22.0	4028.3	4692.1	4346.6	4044.0	4028.3					
G23.0	3762.0	4325.1	4040.7	3748.6	3762.0					
G24.0	3515.3	3995.8	3759.1	3477.6	3515.3					
G25.0	3303.4	3716.2	3522.9	3245.1	3303.4					
G26.0	3099.6	3440.8	3306.2	3001.8	3099.6					
G27.0	2891.5	3197.4	3107.2	2759.8	2891.5					
G28.0	2653.9	2961.7	2892.0	2489.2	2653.9					
G29.0	2381.8	2716.4	2648.6	2188.1	2381.8					
G30.0	2045.4	2458.2	2359.4	1846.9	2045.4					
G31.0	1680.3	2159.4	2000.1	1505.7	1680.3					
G32.0	1269.9	1833.0	1619.2	1134.4	1269.9					
G33.0	906.7	1457.9	1217.9	821.3	906.7					
G34.0	596.5	1090.0	840.4	562.7	596.5					
G35.0	409.9	765.5	558.4	390.9	409.9					
G36.0	301.1	513.5	378.9	286.3	301.1					

C Plane (°):0.0-360.0: 90.0

Test Lab:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 7.990 m

Humidity:

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Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	243.9	354.6	284.0	234.8	243.9					
G38.0	207.1	268.7	231.5	199.5	207.1					
G39.0	184.2	221.9	199.5	177.1	184.2					
G40.0	166.6	192.3	178.5	160.4	166.6					
G41.0	152.2	170.9	163.2	146.5	152.2					
G42.0	138.9	154.1	149.4	134.1	138.9					
G43.0	126.5	140.8	137.9	123.1	126.5					
G44.0	115.5	128.4	126.9	112.6	115.5					
G45.0	105.0	116.9	116.4	103.1	105.0					
G46.0	96.4	107.4	108.3	94.5	96.4					
G47.0	87.3	97.3	99.3	86.4	87.3					
G48.0	79.7	88.8	90.2	78.3	79.7					
G49.0	71.6	81.1	82.1	70.6	71.6					
G50.0	64.4	72.5	74.9	64.0	64.4					
G51.0	56.3	65.4	67.8	57.3	56.3					
G52.0	50.6	58.7	61.6	51.5	50.6					
G53.0	43.9	51.5	54.4	45.8	43.9					
G54.0	38.7	45.8	48.2	39.1	38.7					
G55.0	32.9	39.6	42.0	33.4	32.9					
G56.0	26.7	34.4	36.3	27.7	26.7					
G57.0	20.0	28.2	30.1	20.0	20.0					
G58.0	9.5	20.5	22.9	9.1	9.5					
G59.0	3.3	11.9	11.0	4.3	3.3					
G60.0	0.9	4.3	5.3	1.4	0.9					
G61.0	0.0	1.9	2.4	0.0	0.0					
G62.0	0.0	0.0	0.5	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: