

Tel:
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Report No.:

Test Time: 2017-08-01 11:34

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: LED DownLight
Lamp Catalog: 3000k
Luminous Length (mm): 130
Voltage: 219.8 V
Power: 55.50 W

Luminaire Description: DLC0555-B830 38D
Lamp Description: T1208C430M2
Luminous Width (mm): 130
Current: 0.310 A
Power Factor: 0.810

Photometric Results

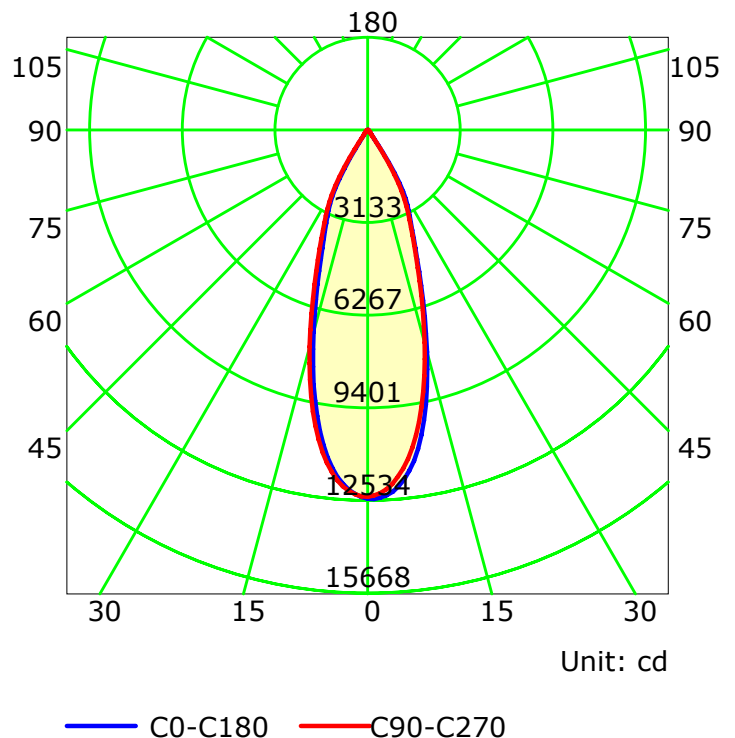
CIE Class: Direct
Measurement Flux: 5255.5 lm
Downward Ratio: 100%
Field Angle: H64.9 V65.2
Luminaire Efficacy Rating (LER): 95
Max. Intensity: 12484.25 cd

Total Rated Lamp Lumens: 5255.5 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H34.2 V34.9
Central Intensity: 12472.8 cd
Pos of Max. Intensity: H0 V1

Picture Of Luminaire



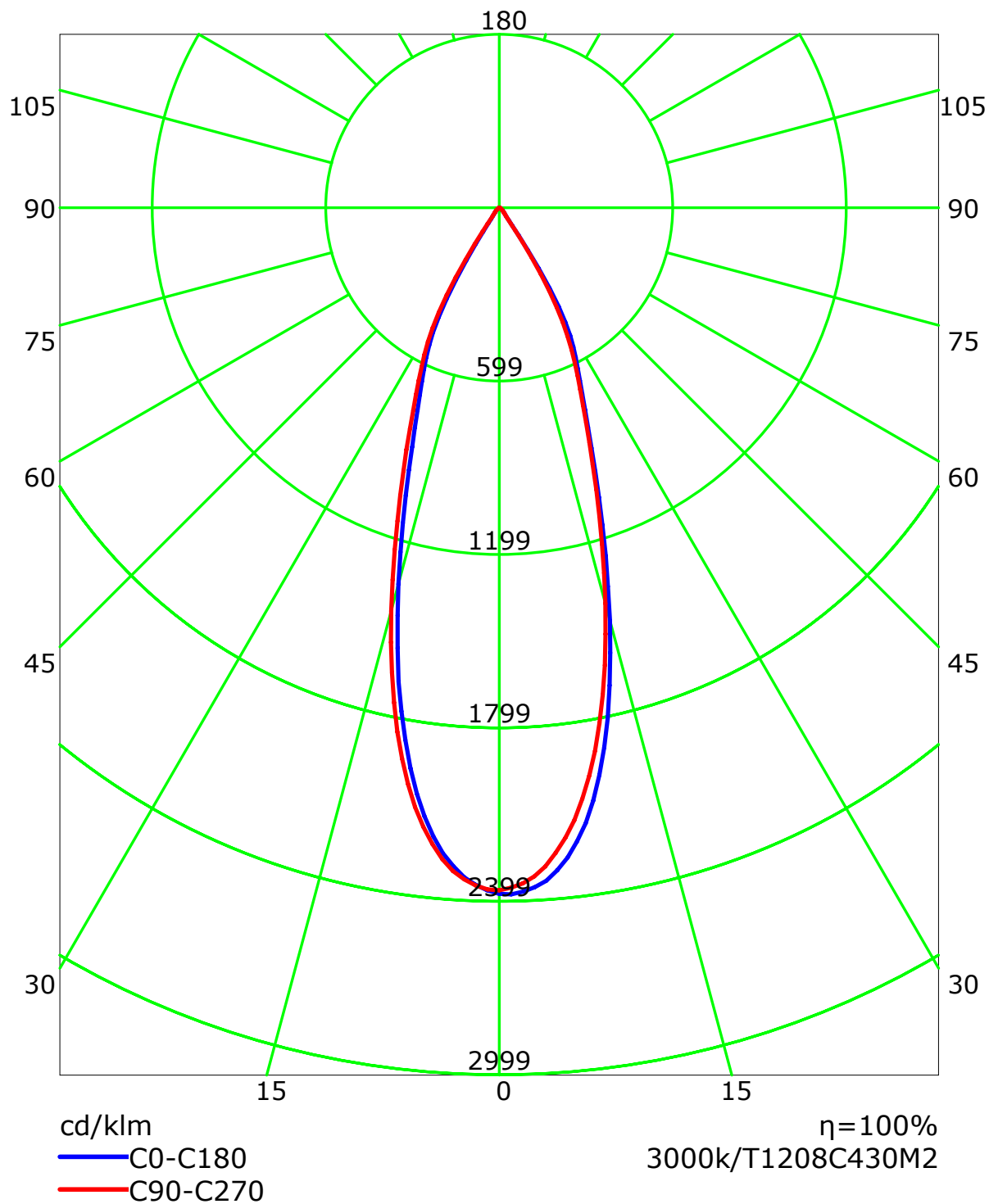
Luminous Intensity Distribution Curve



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:

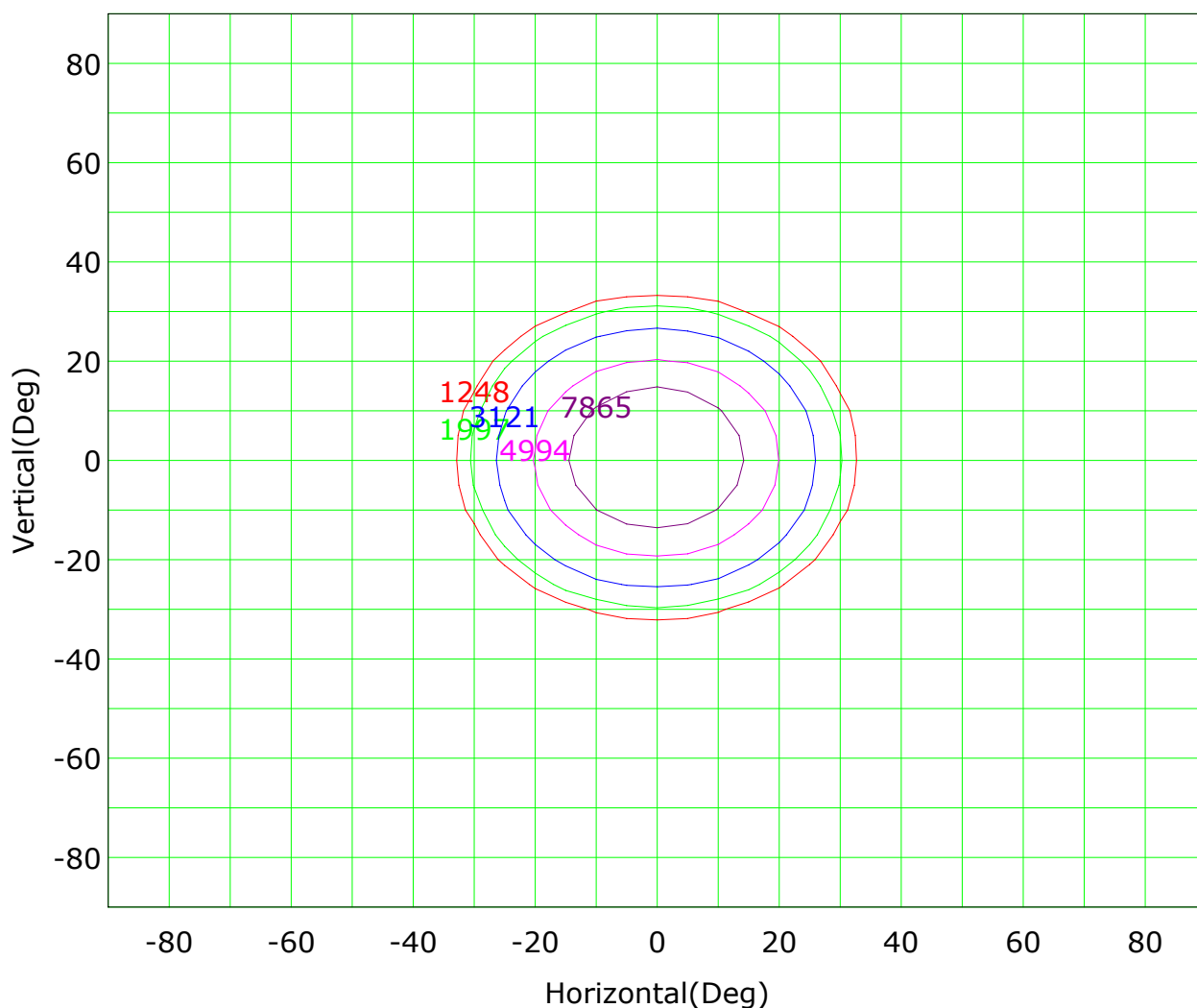
Luminous Intensity Distribution Curve(cd/klm)



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)



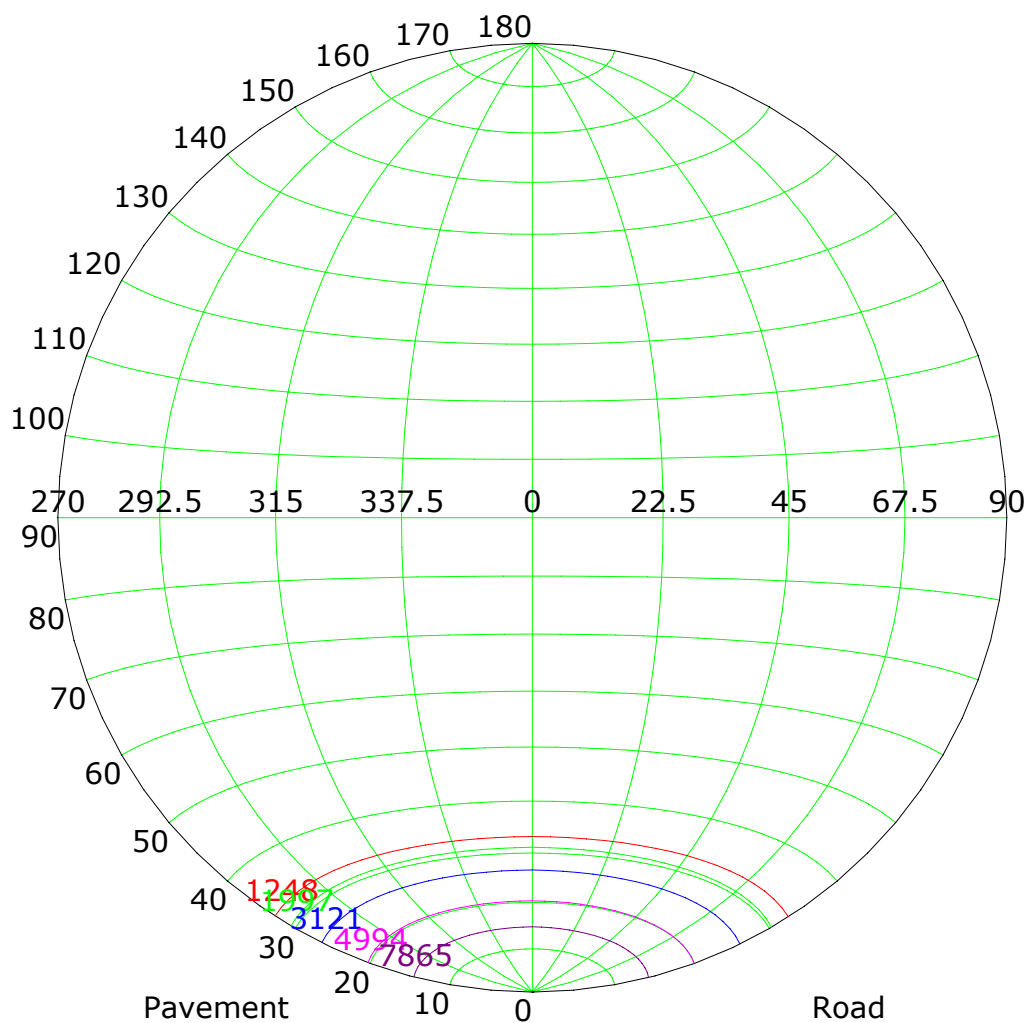
Imax (100%): 12484 cd

(10%): 1248 cd	(16%): 1997 cd
(25%): 3121 cd	(40%): 4994 cd
(63%): 7865 cd	(100%): 12484 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)

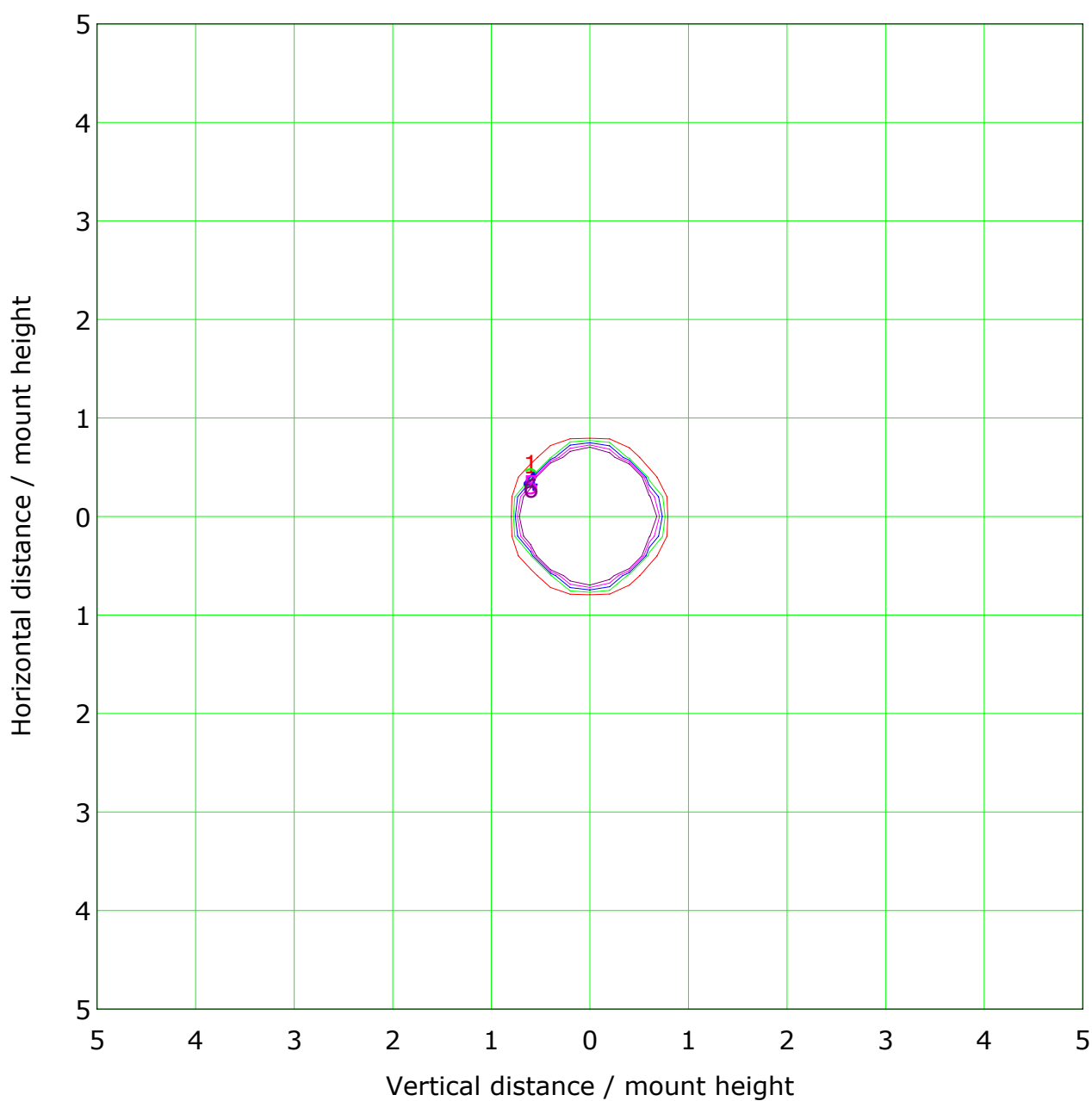


Imax (100%): 12484 cd

(10%): 1248 cd
(25%): 3121 cd
(63%): 7865 cd

(16%): 1997 cd
(40%): 4994 cd
(100%): 12484 cd

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 124.8 lx

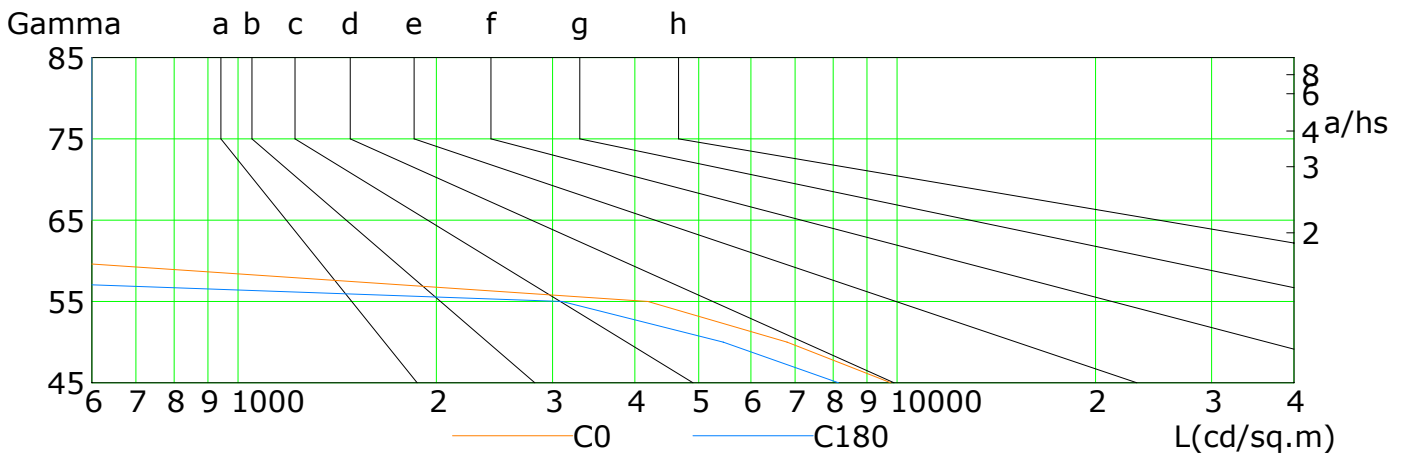
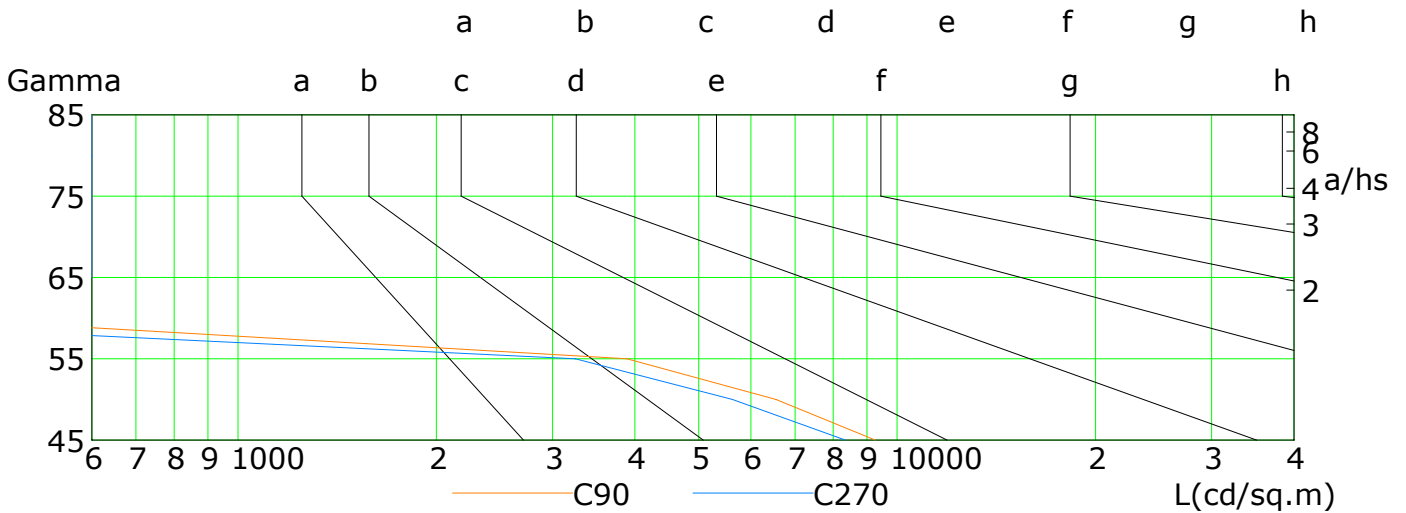
— (1%): 1.2 lx	— (2%): 2.5 lx
— (3%): 3.7 lx	— (4%): 5.0 lx
— (5%): 6.2 lx	

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	9784	6809	4184	509	0	0	0	0	0
C90	9265	6546	3889	338	0	0	0	0	0
C180	8146	5448	3102	57	0	0	0	0	0
C270	8346	5624	3250	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

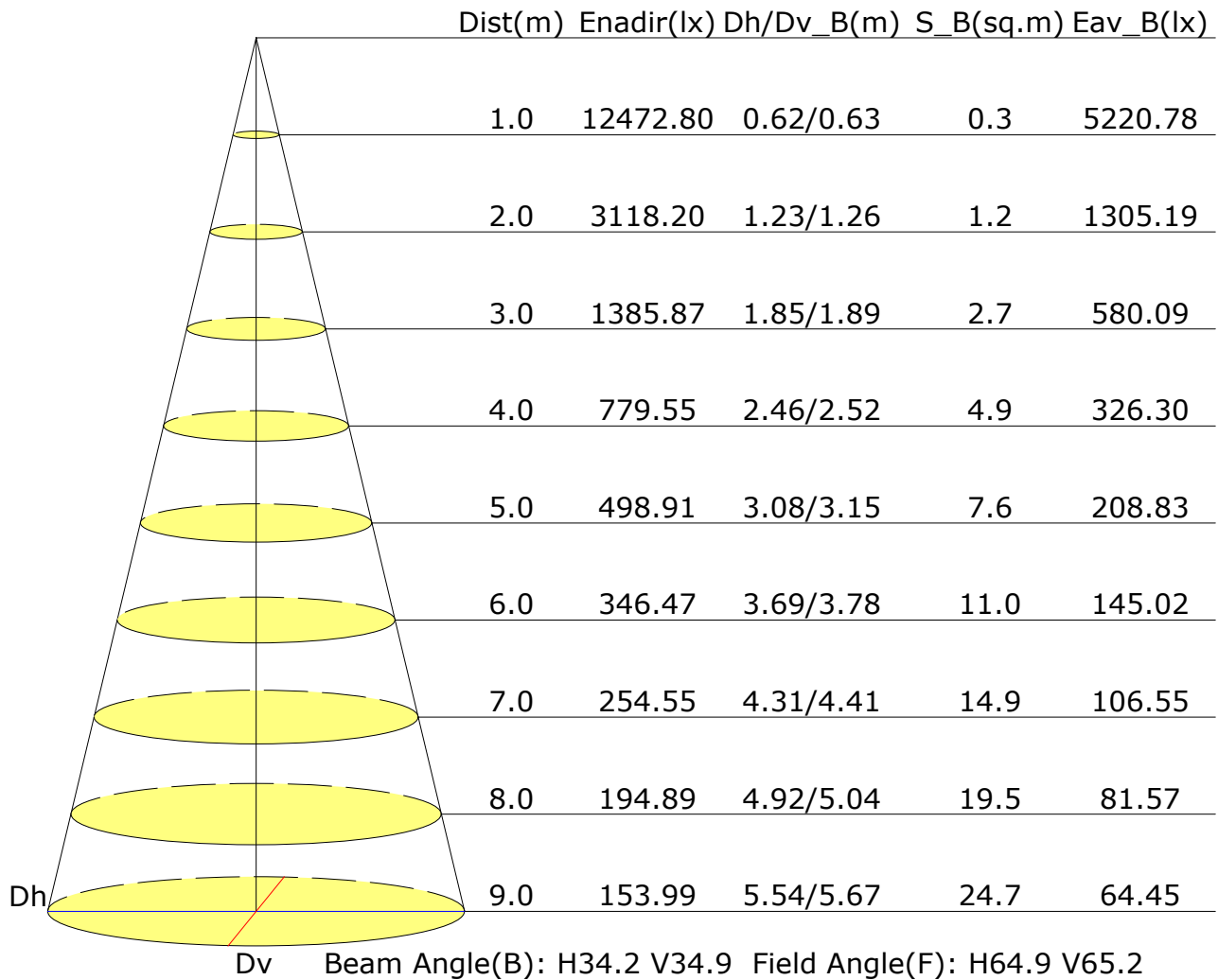
Humidity:

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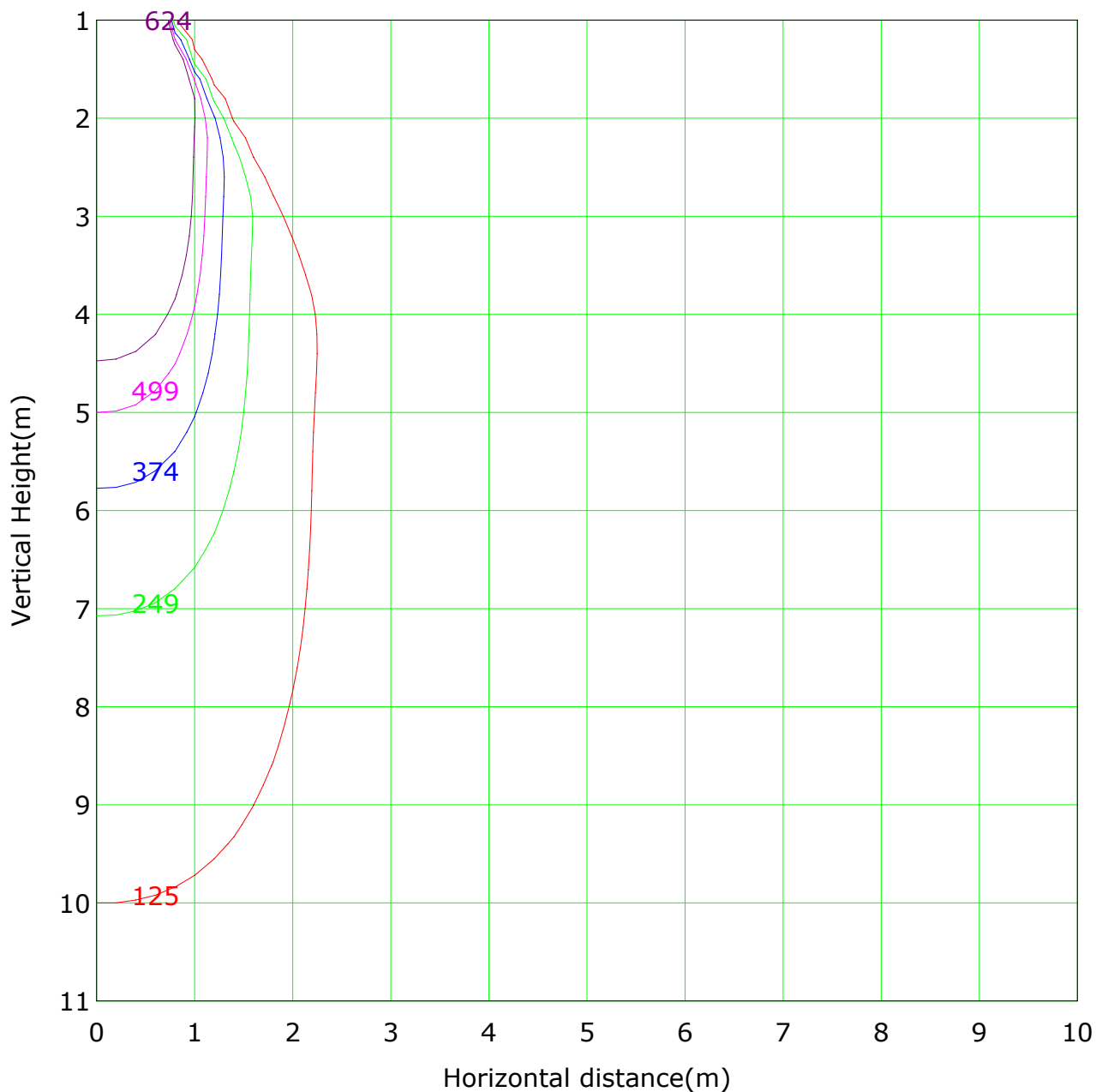
Illuminance at a Distance



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: 12472.8 lx

(1%): 124.7 lx

(2%): 249.5 lx

(3%): 374.2 lx

(4%): 498.9 lx

(5%): 623.6 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

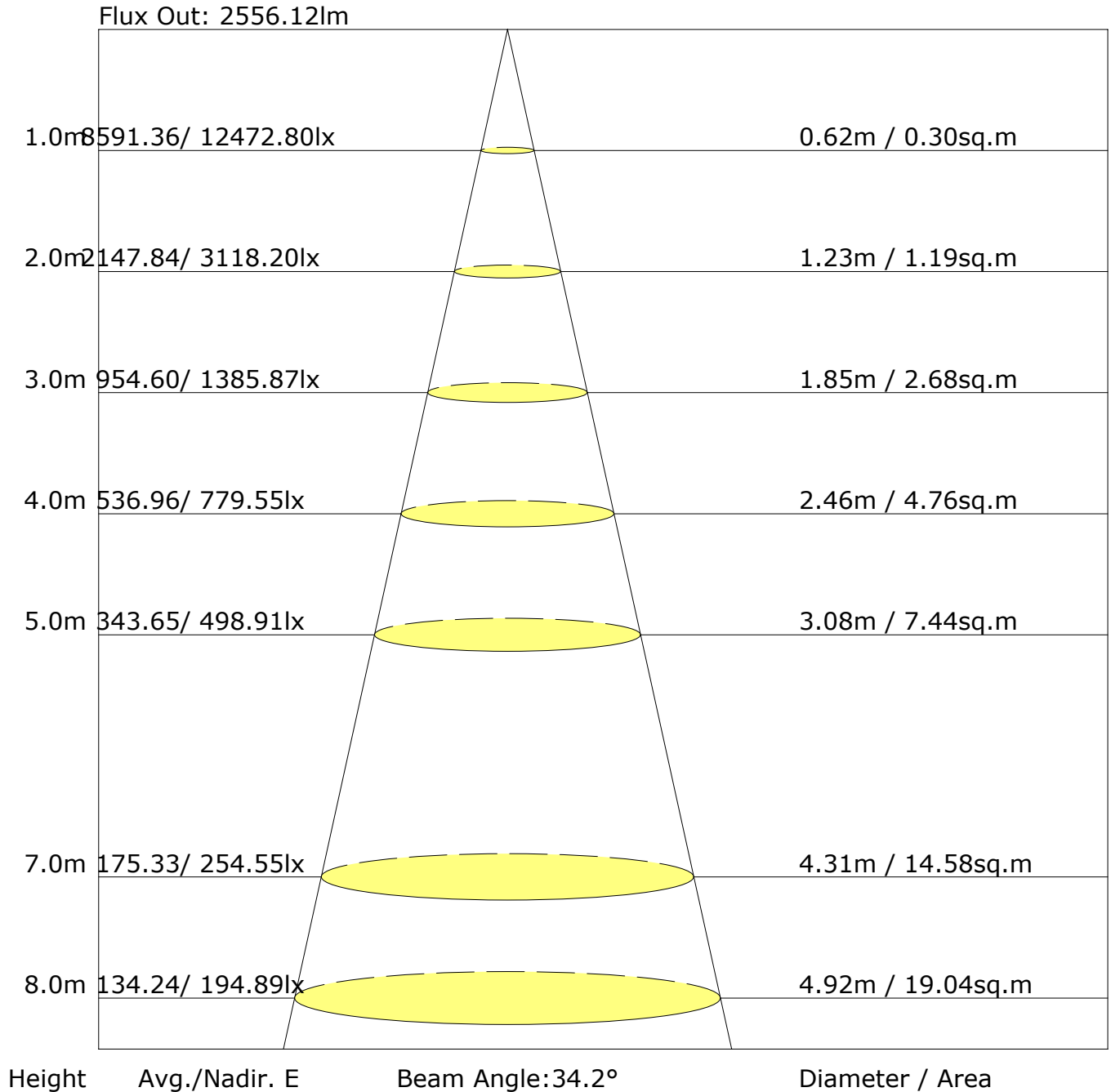
Test Device: GPM-1600L

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

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	12427.7	11.9	11.9	0.23	0.23
1.0-2.0	12379.3	35.5	47.4	0.68	0.90
2.0-3.0	12292.0	58.8	106.2	1.12	2.02
3.0-4.0	12164.0	81.4	187.7	1.55	3.57
4.0-5.0	11986.0	103.1	290.8	1.96	5.53
5.0-6.0	11755.8	123.6	414.3	2.35	7.88
6.0-7.0	11477.7	142.5	556.8	2.71	10.60
7.0-8.0	11152.8	159.6	716.5	3.04	13.63
8.0-9.0	10776.5	174.7	891.1	3.32	16.96
9.0-10.0	10349.3	187.3	1078.5	3.56	20.52
10.0-11.0	9884.1	197.5	1276.0	3.76	24.28
11.0-12.0	9390.0	205.3	1481.3	3.91	28.19
12.0-13.0	8860.2	210.3	1691.6	4.00	32.19
13.0-14.0	8306.1	212.6	1904.2	4.05	36.23
14.0-15.0	7751.1	212.8	2117.0	4.05	40.28
15.0-16.0	7190.1	210.7	2327.7	4.01	44.29
16.0-17.0	6640.4	206.8	2534.6	3.94	48.23
17.0-18.0	6118.1	201.7	2736.3	3.84	52.07
18.0-19.0	5625.9	195.8	2932.1	3.72	55.79
19.0-20.0	5168.7	189.2	3121.3	3.60	59.39
20.0-21.0	4754.1	182.6	3303.8	3.47	62.86
21.0-22.0	4384.1	176.2	3480.0	3.35	66.22
22.0-23.0	4052.5	170.1	3650.1	3.24	69.45
23.0-24.0	3762.7	164.5	3814.6	3.13	72.58
24.0-25.0	3506.2	159.4	3974.1	3.03	75.62
25.0-26.0	3271.8	154.5	4128.5	2.94	78.56
26.0-27.0	3049.7	149.2	4277.8	2.84	81.40
27.0-28.0	2825.5	143.1	4420.8	2.72	84.12
28.0-29.0	2582.1	135.1	4555.9	2.57	86.69
29.0-30.0	2303.6	124.4	4680.3	2.37	89.06
30.0-31.0	1983.0	110.4	4790.7	2.10	91.16
31.0-32.0	1628.0	93.3	4884.0	1.77	92.93
32.0-33.0	1257.6	74.1	4958.1	1.41	94.34
33.0-34.0	911.3	55.2	5013.2	1.05	95.39
34.0-35.0	627.9	39.0	5052.2	0.74	96.13
35.0-36.0	427.6	27.2	5079.5	0.52	96.65

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	305.8	19.9	5099.4	0.38	97.03
37.0-38.0	238.5	15.9	5115.3	0.30	97.33
38.0-39.0	200.5	13.7	5129.0	0.26	97.59
39.0-40.0	175.9	12.3	5141.3	0.23	97.83
40.0-41.0	158.7	11.3	5152.6	0.22	98.04
41.0-42.0	144.7	10.5	5163.1	0.20	98.24
42.0-43.0	132.3	9.8	5172.9	0.19	98.43
43.0-44.0	121.3	9.2	5182.1	0.17	98.60
44.0-45.0	111.2	8.5	5190.6	0.16	98.77
45.0-46.0	101.9	8.0	5198.6	0.15	98.92
46.0-47.0	93.3	7.4	5206.0	0.14	99.06
47.0-48.0	85.1	6.9	5212.9	0.13	99.19
48.0-49.0	77.4	6.4	5219.3	0.12	99.31
49.0-50.0	69.9	5.8	5225.1	0.11	99.42
50.0-51.0	62.9	5.3	5230.4	0.10	99.52
51.0-52.0	56.1	4.8	5235.2	0.09	99.61
52.0-53.0	49.8	4.3	5239.5	0.08	99.70
53.0-54.0	43.7	3.9	5243.4	0.07	99.77
54.0-55.0	37.9	3.4	5246.8	0.06	99.83
55.0-56.0	32.3	2.9	5249.7	0.06	99.89
56.0-57.0	26.7	2.4	5252.1	0.05	99.94
57.0-58.0	20.0	1.8	5254.0	0.04	99.97
58.0-59.0	10.8	1.0	5255.0	0.02	99.99
59.0-60.0	3.9	0.4	5255.4	0.01	100.00
60.0-61.0	1.4	0.1	5255.5	0.00	100.00
61.0-62.0	0.2	0.0	5255.5	0.00	100.00
62.0-63.0	0.0	0.0	5255.5	0.00	100.00
63.0-64.0	0.0	0.0	5255.5	0.00	100.00
64.0-65.0	0.0	0.0	5255.5	0.00	100.00
65.0-66.0	0.0	0.0	5255.5	0.00	100.00
66.0-67.0	0.0	0.0	5255.5	0.00	100.00
67.0-68.0	0.0	0.0	5255.5	0.00	100.00
68.0-69.0	0.0	0.0	5255.5	0.00	100.00
69.0-70.0	0.0	0.0	5255.5	0.00	100.00
70.0-71.0	0.0	0.0	5255.5	0.00	100.00
71.0-72.0	0.0	0.0	5255.5	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:

Tel:
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	12472.8	12410.3	12472.8	12410.3	12472.8					
G1.0	12484.3	12364.0	12413.2	12394.1	12484.3					
G2.0	12441.3	12291.0	12317.7	12329.2	12441.3					
G3.0	12368.8	12172.6	12190.3	12225.1	12368.8					
G4.0	12265.7	12005.6	11996.5	12087.2	12265.7					
G5.0	12091.0	11772.7	11779.9	11889.6	12091.0					
G6.0	11878.2	11513.6	11489.7	11631.5	11878.2					
G7.0	11603.3	11215.8	11149.0	11340.3	11603.3					
G8.0	11299.8	10850.7	10760.5	11002.9	11299.8					
G9.0	10917.0	10455.6	10317.6	10607.8	10917.0					
G10.0	10472.7	10027.5	9826.1	10169.7	10472.7					
G11.0	9997.9	9544.5	9325.5	9709.2	9997.9					
G12.0	9486.3	9053.5	8805.3	9198.1	9486.3					
G13.0	8912.2	8536.6	8215.9	8673.6	8912.2					
G14.0	8340.0	7987.8	7639.5	8143.4	8340.0					
G15.0	7772.1	7449.5	7083.5	7592.7	7772.1					
G16.0	7163.6	6907.9	6514.6	7036.7	7163.6					
G17.0	6618.7	6388.6	5994.0	6498.9	6618.7					
G18.0	6061.7	5891.4	5502.0	5989.7	6061.7					
G19.0	5567.8	5419.4	5045.2	5529.6	5567.8					
G20.0	5102.5	4966.5	4630.0	5088.2	5102.5					
G21.0	4681.1	4569.5	4285.5	4709.8	4681.1					
G22.0	4310.3	4213.9	3966.7	4336.1	4310.3					
G23.0	3991.1	3897.0	3701.4	4003.5	3991.1					
G24.0	3709.5	3618.8	3458.9	3721.4	3709.5					
G25.0	3469.9	3367.8	3239.9	3463.7	3469.9					
G26.0	3250.9	3126.3	3032.8	3223.2	3250.9					
G27.0	3061.9	2894.4	2807.5	3000.3	3061.9					
G28.0	2870.0	2642.4	2564.1	2763.1	2870.0					
G29.0	2661.5	2379.4	2269.7	2506.4	2661.5					
G30.0	2400.4	2092.2	1920.8	2198.1	2400.4					
G31.0	2098.4	1764.3	1528.6	1861.2	2098.4					
G32.0	1722.8	1421.7	1133.9	1493.2	1722.8					
G33.0	1313.3	1068.0	783.6	1123.9	1313.3					
G34.0	924.4	758.8	521.6	797.0	924.4					
G35.0	620.4	516.4	350.3	534.0	620.4					
G36.0	409.0	359.8	265.3	365.6	409.0					

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:

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	297.8	267.3	217.1	264.9	297.8					
G38.0	238.6	223.3	187.1	211.9	238.6					
G39.0	202.8	193.8	165.6	180.9	202.8					
G40.0	180.9	173.2	151.8	158.4	180.9					
G41.0	164.2	157.5	138.4	145.1	164.2					
G42.0	150.3	143.6	127.4	131.2	150.3					
G43.0	137.9	131.2	116.9	119.8	137.9					
G44.0	126.9	120.7	107.4	109.8	126.9					
G45.0	116.9	110.7	97.3	99.7	116.9					
G46.0	106.9	103.1	89.2	91.2	106.9					
G47.0	97.8	93.5	81.1	83.5	97.8					
G48.0	90.2	85.4	73.5	75.9	90.2					
G49.0	82.1	77.8	66.3	67.8	82.1					
G50.0	74.0	71.1	59.2	61.1	74.0					
G51.0	66.3	63.5	53.0	54.9	66.3					
G52.0	60.1	56.3	46.8	48.2	60.1					
G53.0	53.0	50.6	40.6	42.5	53.0					
G54.0	46.8	44.4	35.3	36.8	46.8					
G55.0	40.6	37.7	30.1	31.5	40.6					
G56.0	34.8	32.0	24.8	26.7	34.8					
G57.0	29.1	25.3	19.1	22.0	29.1					
G58.0	22.0	17.2	10.5	14.8	22.0					
G59.0	10.0	5.3	1.9	4.8	10.0					
G60.0	4.3	2.9	0.5	1.4	4.3					
G61.0	1.4	0.5	0.0	0.0	1.4					
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: