

Report No.: TH-3666A

Test Time: 2022/9/1 11:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -30

Luminous Height (mm):

Current: 0.047 A

Power Factor: 0.593

Luminaire Description: VERTO 6W

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -30

Voltage: 220.2 V

Power: 6.11 W

Photometric Results

CIE Class: Direct

Measurement Flux: 498.9 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(50%): H34.6

Vertical Diffuse Angle(50%): V34.4

Luminaire Efficacy Rating (LER): 81.66

Max. Intensity: 1181.69 cd

S/MH(C0/C180): 0.57

Total Rated Lamp Lumens: 498.9 lm

Efficiency: 100%

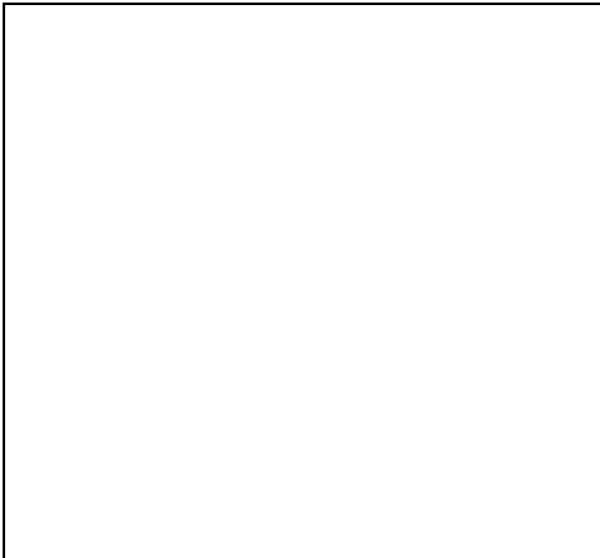
Upward Ratio: 2%

C0r0 Intensity: 1178.84 cd

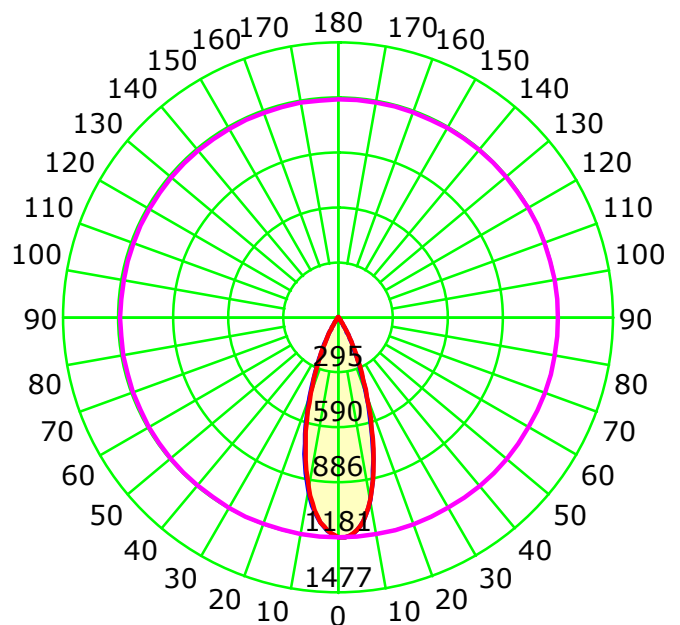
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 0.57

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 34.5°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 90.0

Test Lab: Inventfine instrument

Test Type: TYPE C

Temperature: 26

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

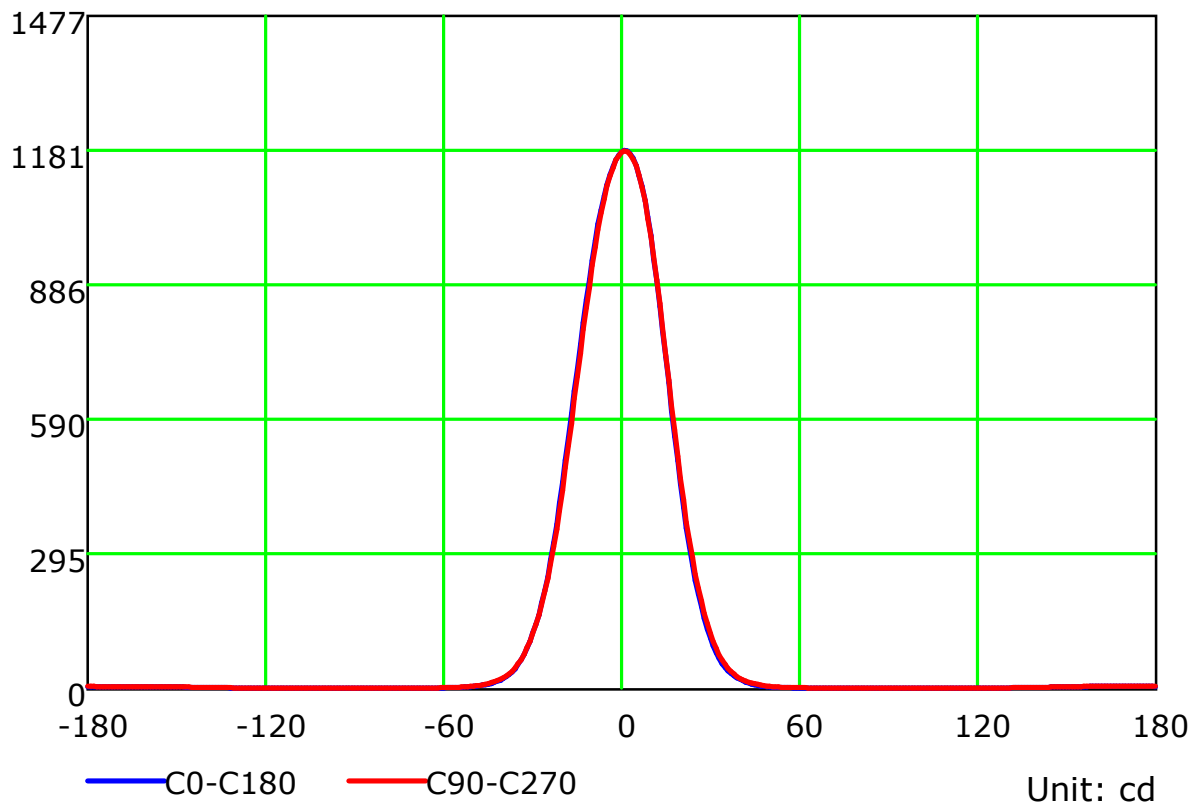
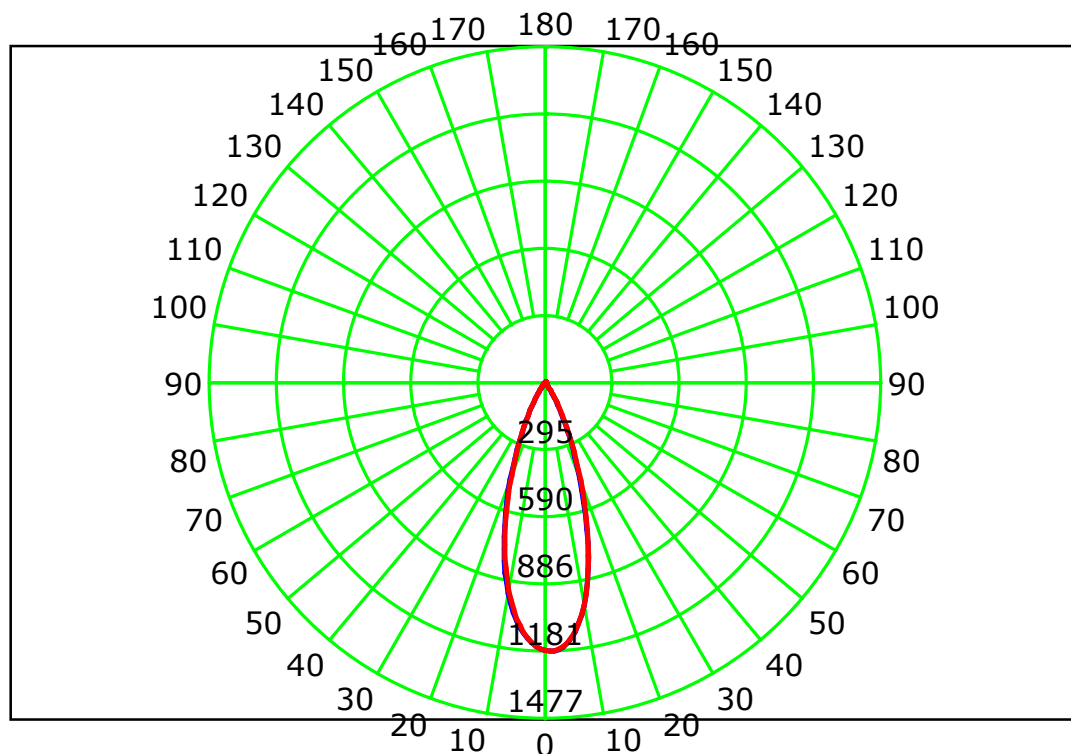
Test Device: GPM-1800B

Distance: 8.508 m [K=1.0000]

Humidity: 65

Inspector:

Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 90.0
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Inspector:

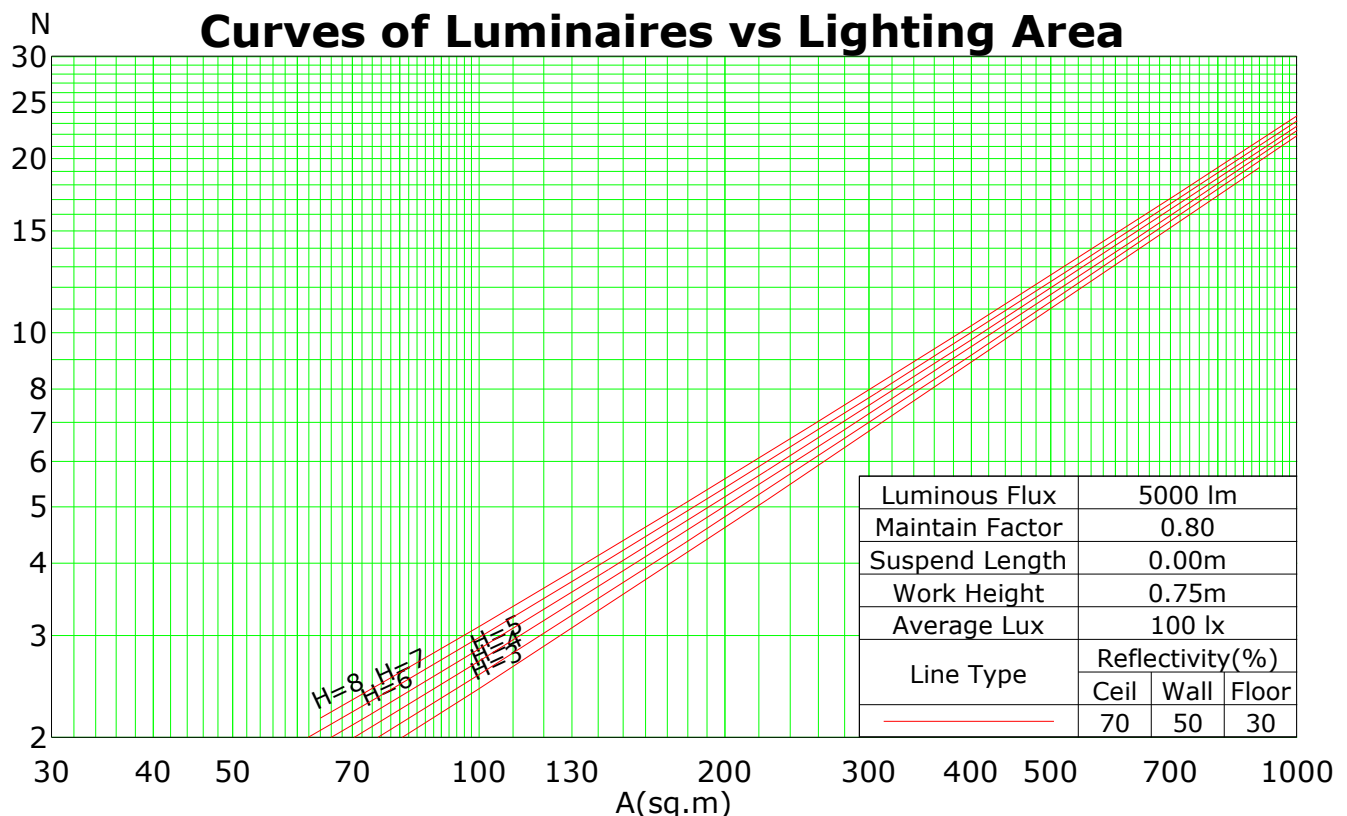
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.98
1	1.14	1.11	1.09	1.07	1.11	1.09	1.07	1.05	1.05	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.09	1.05	1.02	0.99	1.07	1.03	1.00	0.98	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	1.05	1.00	0.95	0.92	1.03	0.98	0.94	0.91	0.95	0.92	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.85
4	1.01	0.95	0.90	0.87	0.99	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.84	0.82	0.81
5	0.97	0.90	0.85	0.82	0.95	0.89	0.85	0.81	0.87	0.83	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.77
6	0.93	0.86	0.81	0.78	0.92	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.74
7	0.90	0.82	0.78	0.74	0.89	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.71
8	0.87	0.79	0.74	0.71	0.86	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.68
9	0.84	0.76	0.71	0.68	0.83	0.75	0.71	0.68	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.66
10	0.81	0.73	0.68	0.65	0.80	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63

Spacing Criteria (0-180): 0.57

Spacing Criteria (90-270): 0.57

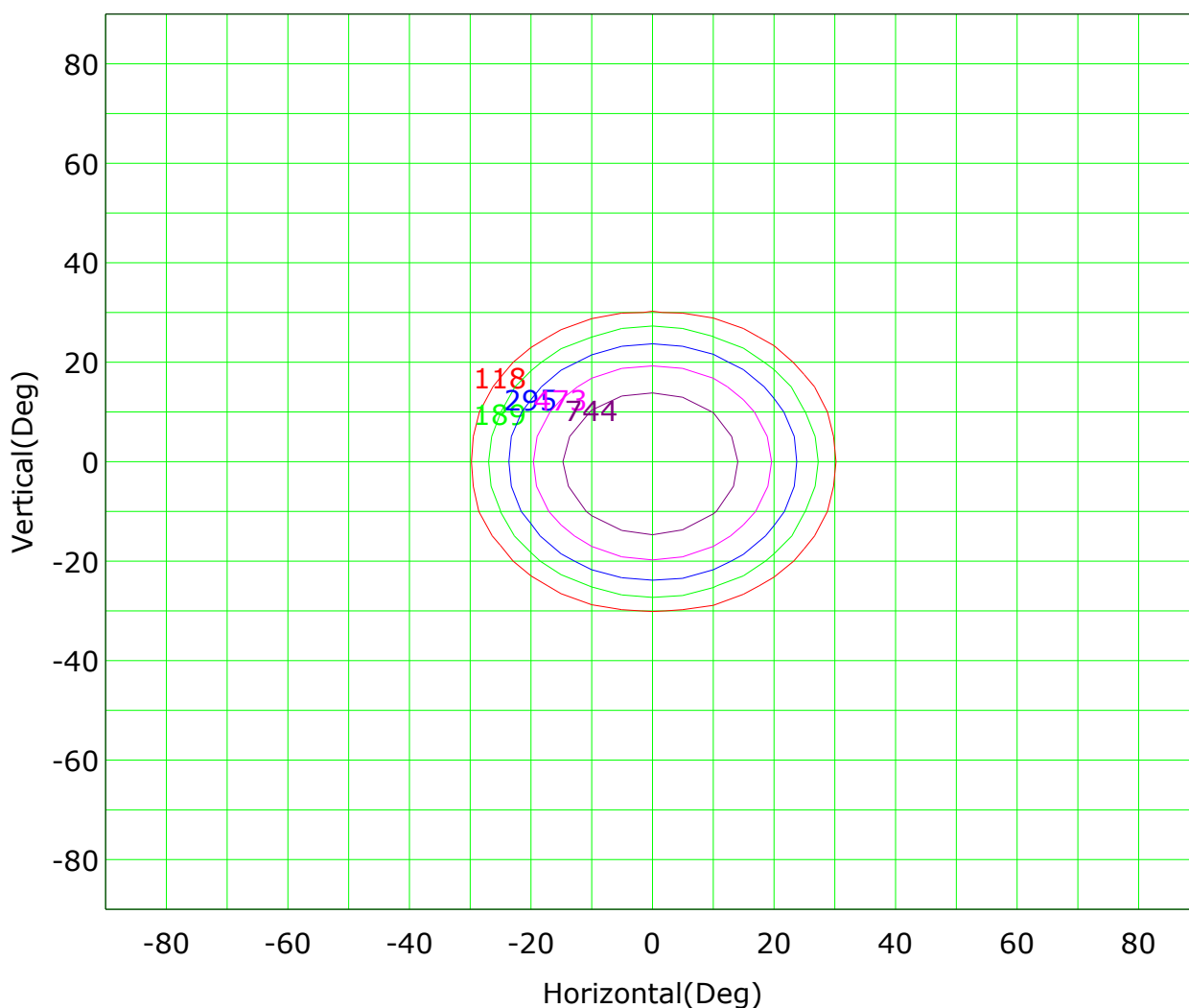
Spacing Criteria (Diagonal): 0.56



C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

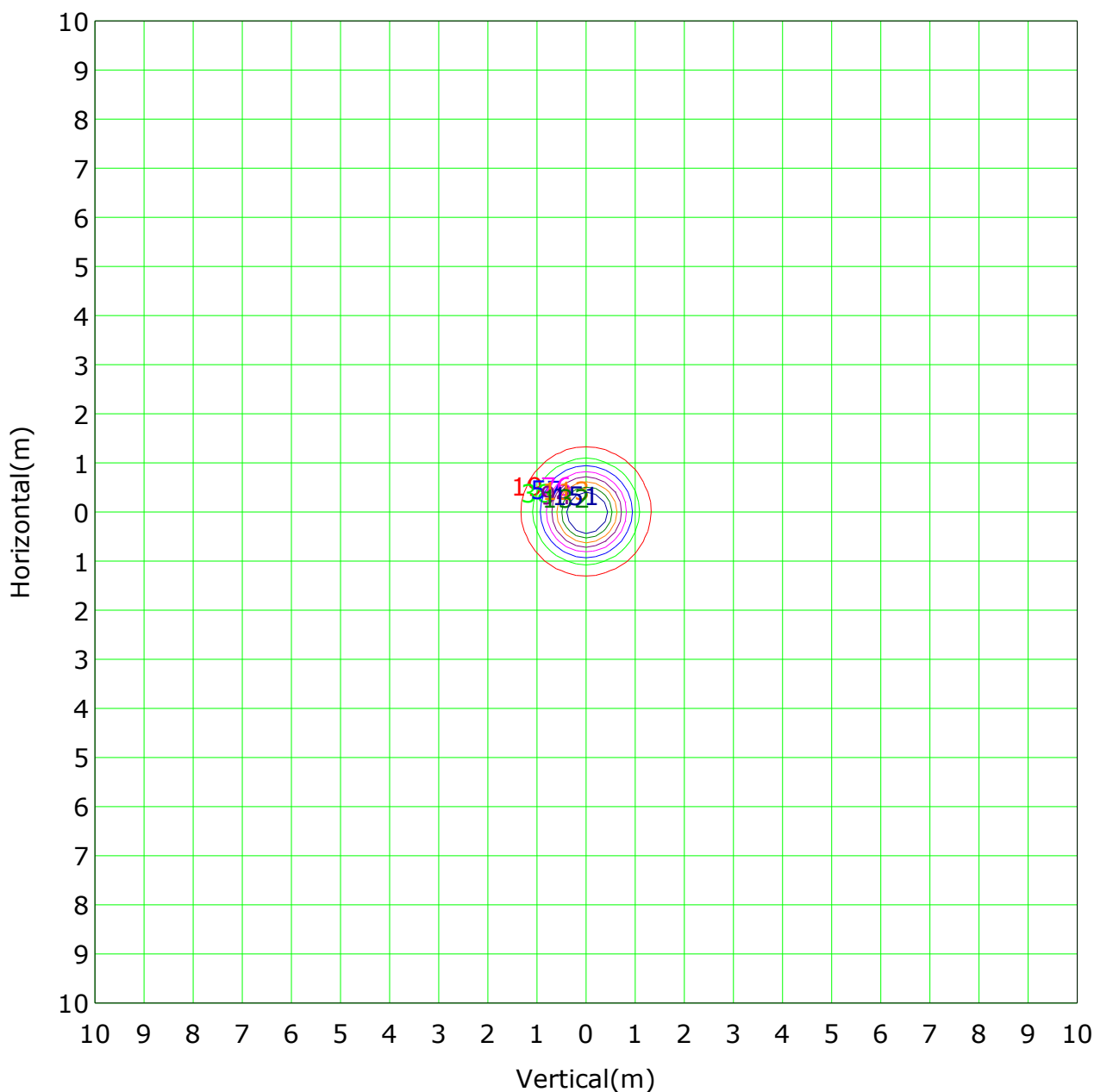
Isocandela (rectangle)



Imax (100%): 1182 cd

(10%): 118 cd	(16%): 189 cd
(25%): 295 cd	(40%): 473 cd
(63%): 744 cd	(100%): 1182 cd

IsoLux Plot



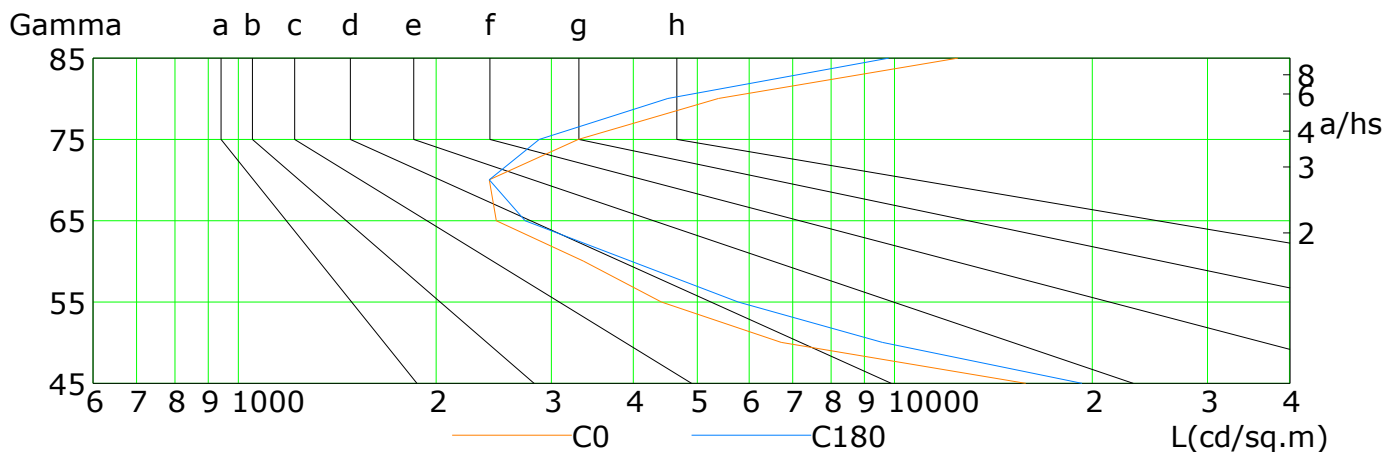
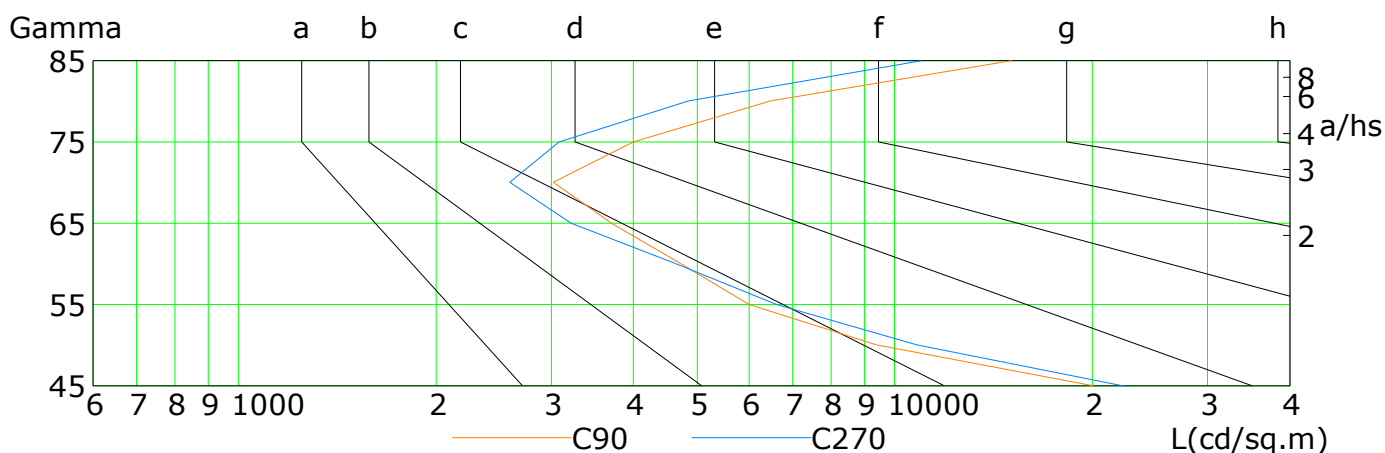
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
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

a b c d e f g h

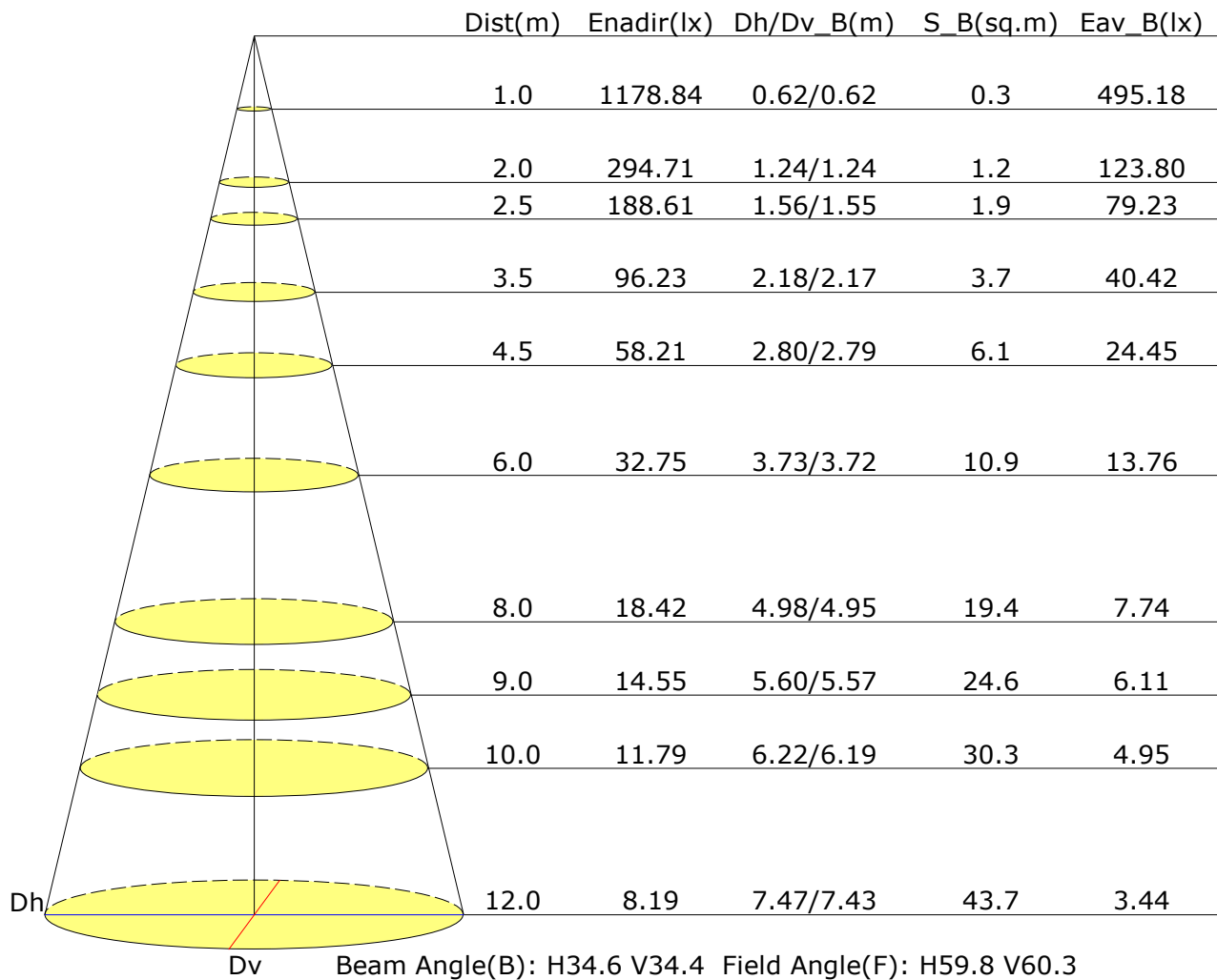


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	15823	6723	4415	3358	2475	2414	3297	5389	12474
C90	20089	9396	5998	4725	3704	3022	3994	6463	15079
C180	19307	9570	5783	3964	2735	2414	2871	4517	9790
C270	22282	10820	6616	4637	3215	2590	3081	4847	11013

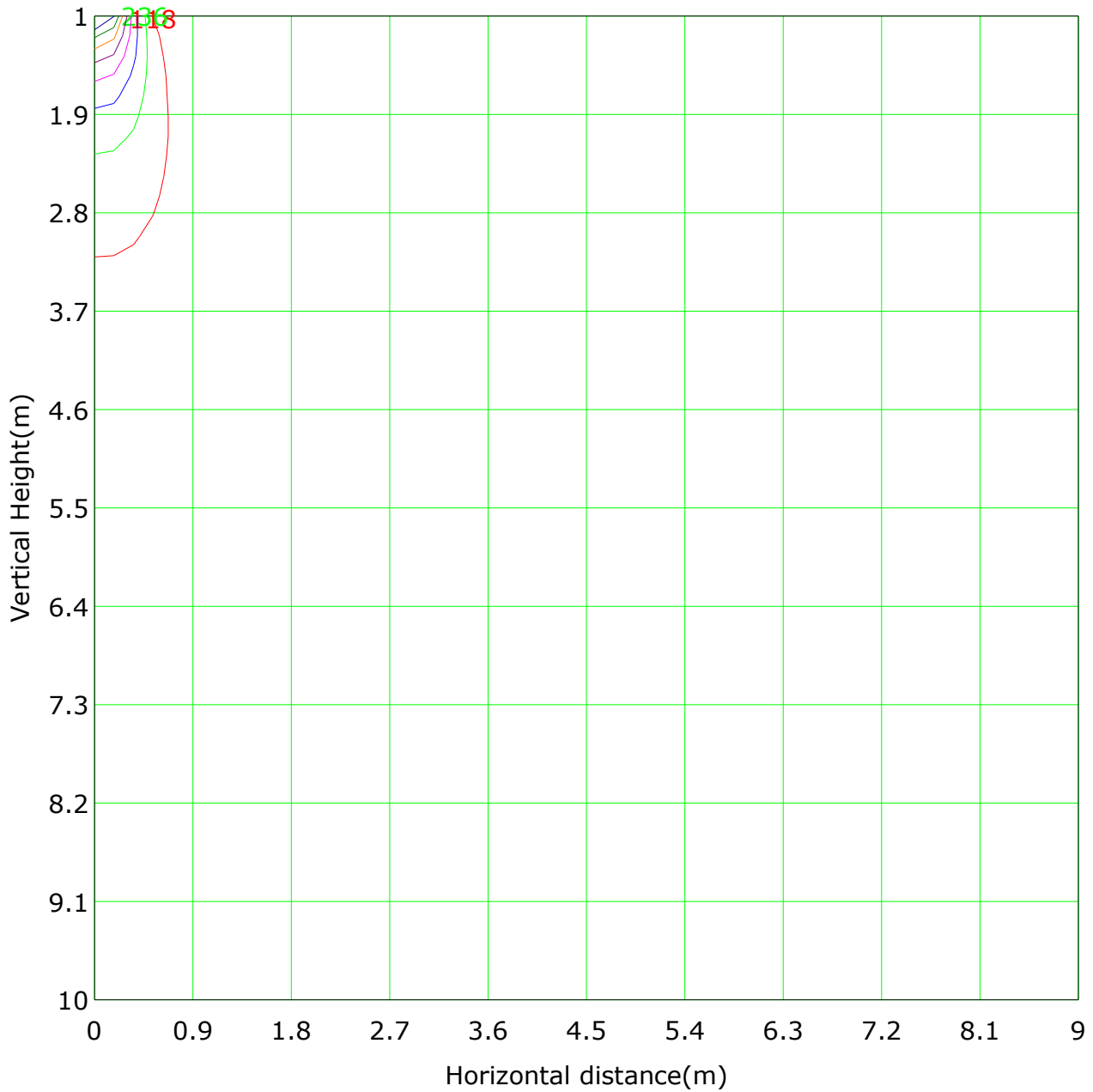
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



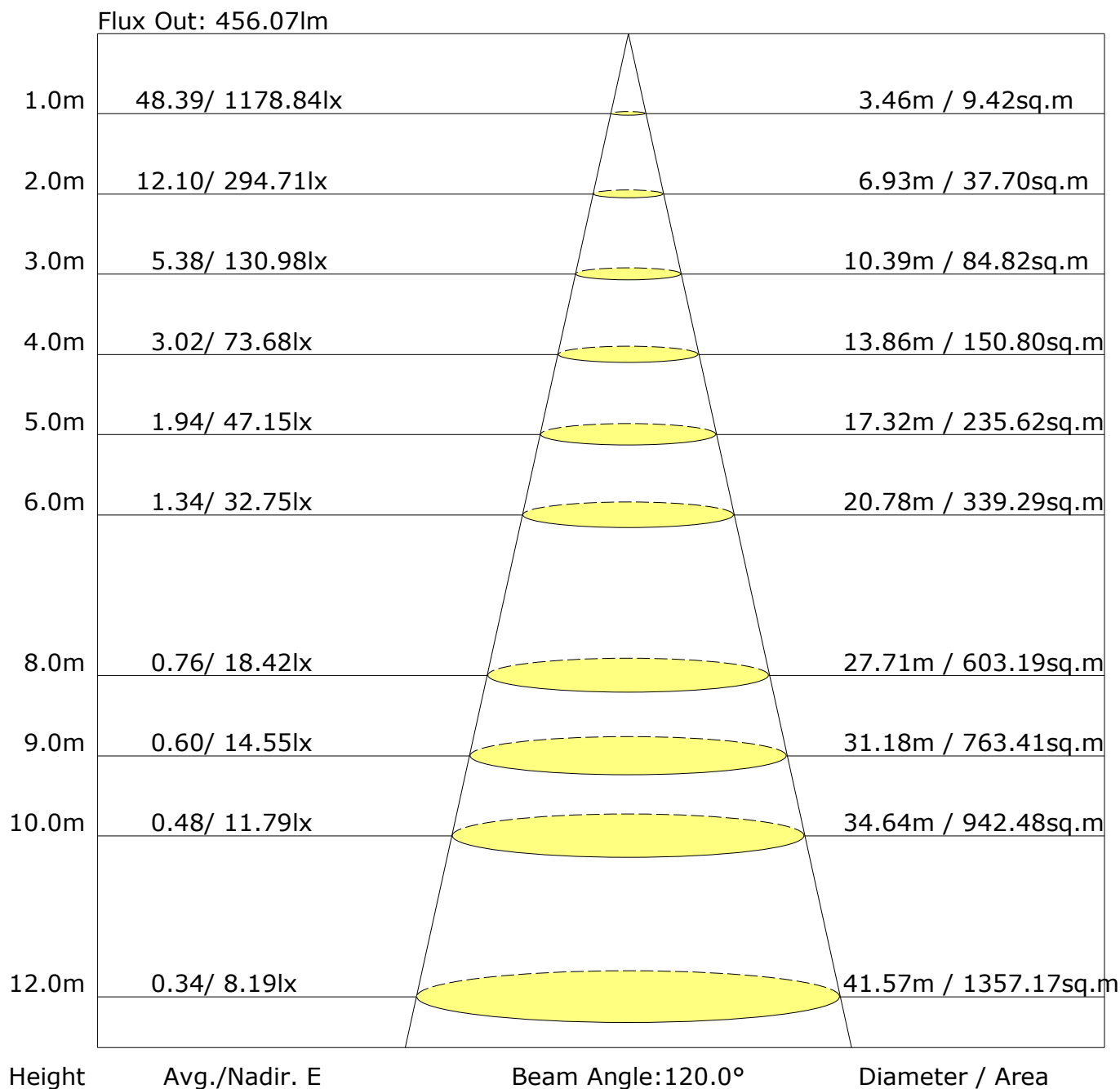
Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 1178.8 lx

(10%): 117.9 lx	(20%): 235.8 lx
(30%): 353.7 lx	(40%): 471.5 lx
(50%): 589.4 lx	(60%): 707.3 lx
(70%): 825.2 lx	(80%): 943.1 lx

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
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	15.2	15.8	15.4	16.1	16.3	15.8	16.5	16.1	16.7	16.9
3H	15.0	15.7	15.4	15.9	16.2	15.7	16.3	16.0	16.6	16.9
4H	15.0	15.6	15.3	15.9	16.2	15.6	16.2	16.0	16.5	16.8
6H	15.0	15.6	15.4	15.9	16.2	15.7	16.2	16.0	16.5	16.8
8H	15.1	15.6	15.5	15.9	16.3	15.7	16.2	16.1	16.6	16.9
12H	15.2	15.7	15.6	16.1	16.4	15.8	16.3	16.2	16.7	17.0
X=4H Y=2H	15.0	15.6	15.3	15.8	16.1	15.6	16.2	15.9	16.5	16.8
3H	14.9	15.4	15.2	15.7	16.1	15.5	16.0	15.9	16.3	16.7
4H	14.8	15.3	15.3	15.7	16.1	15.5	15.9	15.9	16.3	16.7
6H	14.9	15.3	15.4	15.7	16.2	15.5	15.9	16.0	16.3	16.8
8H	15.1	15.4	15.5	15.8	16.3	15.7	16.0	16.1	16.5	16.9
12H	15.3	15.7	15.8	16.1	16.6	15.9	16.2	16.4	16.7	17.2
X=8H Y=4H	14.8	15.1	15.2	15.6	16.0	15.4	15.7	15.8	16.2	16.6
6H	14.9	15.2	15.4	15.7	16.2	15.5	15.8	16.0	16.3	16.8
8H	15.2	15.4	15.7	15.9	16.4	15.7	16.0	16.2	16.5	17.0
12H	15.6	15.9	16.2	16.4	16.9	16.2	16.4	16.7	16.9	17.5
X=12H Y=4H	14.7	15.1	15.2	15.5	16.0	15.3	15.7	15.8	16.1	16.6
6H	15.0	15.2	15.5	15.7	16.2	15.5	15.8	16.0	16.3	16.8
8H	15.2	15.5	15.8	16.0	16.5	15.8	16.0	16.3	16.5	17.1
Variations with the observer position at spacings:										
S=1.0H	+5.0/-6.0					+5.0/-5.9				
S=1.5H	+7.7/-6.7					+7.7/-6.9				
S=2.0H	+9.7/-7.6					+9.7/-7.7				

Calculate in accordance with CIE Pub.117. The table is revised with 468lm ($8\log(F/F_0) = -2.6$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1177.8	1.1	1.1	0.24	0.24
1.0-2.0	1173.6	3.4	4.5	0.72	0.96
2.0-3.0	1165.4	5.6	10.1	1.19	2.15
3.0-4.0	1152.9	7.7	17.8	1.65	3.80
4.0-5.0	1136.1	9.8	27.6	2.09	5.89
5.0-6.0	1115.1	11.7	39.3	2.50	8.39
6.0-7.0	1089.5	13.5	52.8	2.89	11.28
7.0-8.0	1058.9	15.2	68.0	3.24	14.52
8.0-9.0	1023.9	16.6	84.6	3.55	18.07
9.0-10.0	985.0	17.8	102.4	3.81	21.87
10.0-11.0	941.5	18.8	121.2	4.02	25.89
11.0-12.0	895.0	19.6	140.8	4.18	30.08
12.0-13.0	845.5	20.1	160.8	4.29	34.36
13.0-14.0	793.6	20.3	181.2	4.34	38.70
14.0-15.0	739.9	20.3	201.5	4.34	43.04
15.0-16.0	685.8	20.1	221.6	4.29	47.34
16.0-17.0	631.8	19.7	241.2	4.20	51.54
17.0-18.0	577.7	19.1	260.3	4.07	55.61
18.0-19.0	525.3	18.3	278.6	3.91	59.52
19.0-20.0	474.6	17.4	296.0	3.71	63.23
20.0-21.0	426.2	16.4	312.3	3.50	66.73
21.0-22.0	379.8	15.3	327.6	3.26	69.99
22.0-23.0	337.0	14.1	341.7	3.02	73.01
23.0-24.0	297.8	13.0	354.8	2.78	75.79
24.0-25.0	261.3	11.9	366.6	2.54	78.33
25.0-26.0	228.8	10.8	377.4	2.31	80.64
26.0-27.0	199.6	9.8	387.2	2.09	82.72
27.0-28.0	173.0	8.8	396.0	1.87	84.60
28.0-29.0	149.4	7.8	403.8	1.67	86.27
29.0-30.0	128.3	6.9	410.7	1.48	87.75
30.0-31.0	109.5	6.1	416.8	1.30	89.05
31.0-32.0	93.4	5.3	422.2	1.14	90.19
32.0-33.0	79.2	4.7	426.8	1.00	91.19
33.0-34.0	66.7	4.0	430.9	0.86	92.05
34.0-35.0	56.2	3.5	434.4	0.75	92.80
35.0-36.0	47.2	3.0	437.4	0.64	93.44

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

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	39.5	2.6	439.9	0.55	93.99
37.0-38.0	33.1	2.2	442.1	0.47	94.46
38.0-39.0	28.0	1.9	444.1	0.41	94.87
39.0-40.0	23.7	1.7	445.7	0.35	95.22
40.0-41.0	20.2	1.4	447.2	0.31	95.53
41.0-42.0	17.2	1.3	448.4	0.27	95.80
42.0-43.0	14.6	1.1	449.5	0.23	96.03
43.0-44.0	12.4	0.9	450.4	0.20	96.23
44.0-45.0	10.5	0.8	451.2	0.17	96.40
45.0-46.0	9.0	0.7	451.9	0.15	96.55
46.0-47.0	7.6	0.6	452.5	0.13	96.68
47.0-48.0	6.4	0.5	453.1	0.11	96.79
48.0-49.0	5.4	0.4	453.5	0.09	96.89
49.0-50.0	4.5	0.4	453.9	0.08	96.97
50.0-51.0	3.9	0.3	454.2	0.07	97.04
51.0-52.0	3.4	0.3	454.5	0.06	97.10
52.0-53.0	3.0	0.3	454.8	0.06	97.16
53.0-54.0	2.7	0.2	455.0	0.05	97.21
54.0-55.0	2.4	0.2	455.2	0.05	97.25
55.0-56.0	2.2	0.2	455.4	0.04	97.30
56.0-57.0	2.0	0.2	455.6	0.04	97.34
57.0-58.0	1.8	0.2	455.8	0.04	97.37
58.0-59.0	1.7	0.2	455.9	0.03	97.40
59.0-60.0	1.5	0.1	456.1	0.03	97.44
60.0-61.0	1.4	0.1	456.2	0.03	97.46
61.0-62.0	1.3	0.1	456.3	0.03	97.49
62.0-63.0	1.2	0.1	456.4	0.02	97.52
63.0-64.0	1.0	0.1	456.5	0.02	97.54
64.0-65.0	0.9	0.1	456.6	0.02	97.56
65.0-66.0	0.9	0.1	456.7	0.02	97.58
66.0-67.0	0.8	0.1	456.8	0.02	97.59
67.0-68.0	0.7	0.1	456.9	0.02	97.61
68.0-69.0	0.7	0.1	456.9	0.01	97.62
69.0-70.0	0.6	0.1	457.0	0.01	97.64
70.0-71.0	0.6	0.1	457.1	0.01	97.65
71.0-72.0	0.6	0.1	457.1	0.01	97.67

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Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.6	0.1	457.2	0.01	97.68
73.0-74.0	0.6	0.1	457.3	0.01	97.69
74.0-75.0	0.6	0.1	457.3	0.01	97.71
75.0-76.0	0.6	0.1	457.4	0.01	97.72
76.0-77.0	0.6	0.1	457.5	0.01	97.73
77.0-78.0	0.6	0.1	457.5	0.01	97.75
78.0-79.0	0.6	0.1	457.6	0.01	97.76
79.0-80.0	0.6	0.1	457.7	0.01	97.78
80.0-81.0	0.7	0.1	457.7	0.02	97.79
81.0-82.0	0.7	0.1	457.8	0.02	97.81
82.0-83.0	0.7	0.1	457.9	0.02	97.82
83.0-84.0	0.7	0.1	458.0	0.02	97.84
84.0-85.0	0.7	0.1	458.0	0.02	97.86
85.0-86.0	0.8	0.1	458.1	0.02	97.87
86.0-87.0	0.8	0.1	458.2	0.02	97.89
87.0-88.0	0.8	0.1	458.3	0.02	97.91
88.0-89.0	0.8	0.1	458.4	0.02	97.93
89.0-90.0	0.9	0.1	458.5	0.02	97.95
90.0-91.0	0.9	0.1	458.6	0.02	97.97
91.0-92.0	0.9	0.1	458.7	0.02	97.99
92.0-93.0	0.9	0.1	458.8	0.02	98.01
93.0-94.0	0.9	0.1	458.9	0.02	98.03
94.0-95.0	0.9	0.1	459.0	0.02	98.06
95.0-96.0	0.9	0.1	459.1	0.02	98.08
96.0-97.0	0.9	0.1	459.2	0.02	98.10
97.0-98.0	0.9	0.1	459.3	0.02	98.12
98.0-99.0	0.9	0.1	459.4	0.02	98.14
99.0-100.0	0.8	0.1	459.5	0.02	98.16
100.0-101.0	0.8	0.1	459.5	0.02	98.18
101.0-102.0	0.8	0.1	459.6	0.02	98.20
102.0-103.0	0.8	0.1	459.7	0.02	98.21
103.0-104.0	0.7	0.1	459.8	0.02	98.23
104.0-105.0	0.7	0.1	459.9	0.02	98.25
105.0-106.0	0.7	0.1	459.9	0.02	98.26
106.0-107.0	0.7	0.1	460.0	0.02	98.28
107.0-108.0	0.7	0.1	460.1	0.01	98.29

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.7	0.1	460.1	0.01	98.31
109.0-110.0	0.7	0.1	460.2	0.01	98.32
110.0-111.0	0.7	0.1	460.3	0.01	98.34
111.0-112.0	0.6	0.1	460.3	0.01	98.35
112.0-113.0	0.6	0.1	460.4	0.01	98.36
113.0-114.0	0.7	0.1	460.5	0.01	98.38
114.0-115.0	0.7	0.1	460.5	0.01	98.39
115.0-116.0	0.7	0.1	460.6	0.01	98.41
116.0-117.0	0.7	0.1	460.7	0.01	98.42
117.0-118.0	0.7	0.1	460.7	0.01	98.43
118.0-119.0	0.7	0.1	460.8	0.01	98.45
119.0-120.0	0.7	0.1	460.9	0.01	98.46
120.0-121.0	0.8	0.1	461.0	0.02	98.48
121.0-122.0	0.8	0.1	461.0	0.02	98.49
122.0-123.0	0.8	0.1	461.1	0.02	98.51
123.0-124.0	0.9	0.1	461.2	0.02	98.53
124.0-125.0	0.9	0.1	461.3	0.02	98.55
125.0-126.0	0.9	0.1	461.3	0.02	98.56
126.0-127.0	1.0	0.1	461.4	0.02	98.58
127.0-128.0	1.1	0.1	461.5	0.02	98.60
128.0-129.0	1.1	0.1	461.6	0.02	98.62
129.0-130.0	1.2	0.1	461.7	0.02	98.64
130.0-131.0	1.3	0.1	461.8	0.02	98.67
131.0-132.0	1.4	0.1	461.9	0.02	98.69
132.0-133.0	1.4	0.1	462.1	0.02	98.72
133.0-134.0	1.5	0.1	462.2	0.03	98.74
134.0-135.0	1.6	0.1	462.3	0.03	98.77
135.0-136.0	1.7	0.1	462.4	0.03	98.80
136.0-137.0	1.8	0.1	462.6	0.03	98.83
137.0-138.0	1.9	0.1	462.7	0.03	98.86
138.0-139.0	2.0	0.1	462.9	0.03	98.89
139.0-140.0	2.2	0.2	463.0	0.03	98.92
140.0-141.0	2.3	0.2	463.2	0.03	98.96
141.0-142.0	2.4	0.2	463.3	0.03	98.99
142.0-143.0	2.5	0.2	463.5	0.04	99.03
143.0-144.0	2.6	0.2	463.7	0.04	99.06

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	2.7	0.2	463.9	0.04	99.10
145.0-146.0	2.9	0.2	464.0	0.04	99.14
146.0-147.0	3.0	0.2	464.2	0.04	99.18
147.0-148.0	3.1	0.2	464.4	0.04	99.22
148.0-149.0	3.2	0.2	464.6	0.04	99.25
149.0-150.0	3.3	0.2	464.8	0.04	99.29
150.0-151.0	3.4	0.2	464.9	0.04	99.33
151.0-152.0	3.5	0.2	465.1	0.04	99.37
152.0-153.0	3.6	0.2	465.3	0.04	99.41
153.0-154.0	3.7	0.2	465.5	0.04	99.45
154.0-155.0	3.7	0.2	465.7	0.04	99.49
155.0-156.0	3.8	0.2	465.8	0.04	99.52
156.0-157.0	3.9	0.2	466.0	0.04	99.56
157.0-158.0	3.9	0.2	466.2	0.04	99.60
158.0-159.0	4.0	0.2	466.3	0.03	99.63
159.0-160.0	4.0	0.2	466.5	0.03	99.66
160.0-161.0	4.1	0.1	466.6	0.03	99.70
161.0-162.0	4.1	0.1	466.8	0.03	99.73
162.0-163.0	4.1	0.1	466.9	0.03	99.75
163.0-164.0	4.1	0.1	467.1	0.03	99.78
164.0-165.0	4.2	0.1	467.2	0.03	99.81
165.0-166.0	4.1	0.1	467.3	0.02	99.83
166.0-167.0	4.2	0.1	467.4	0.02	99.86
167.0-168.0	4.2	0.1	467.5	0.02	99.88
168.0-169.0	4.1	0.1	467.6	0.02	99.90
169.0-170.0	4.2	0.1	467.7	0.02	99.91
170.0-171.0	4.2	0.1	467.7	0.02	99.93
171.0-172.0	4.2	0.1	467.8	0.01	99.94
172.0-173.0	4.2	0.1	467.9	0.01	99.96
173.0-174.0	4.3	0.1	467.9	0.01	99.97
174.0-175.0	4.3	0.0	468.0	0.01	99.98
175.0-176.0	4.3	0.0	468.0	0.01	99.99
176.0-177.0	4.3	0.0	468.0	0.01	99.99
177.0-178.0	4.3	0.0	468.1	0.00	100.00
178.0-179.0	4.3	0.0	468.1	0.00	100.00
179.0-180.0	4.3	0.0	468.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 451.23 lm

%lum = 96.4%

%lamp = 96.4%

cone flux(120°): 456.07 lm

%lum = 97.4%

%lamp = 97.4%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1178.8	1178.8	1178.8	1178.8	1178.8					
G1.0	1181.7	1181.5	1172.2	1171.5	1181.7					
G2.0	1180.9	1179.7	1160.8	1160.8	1180.9					
G3.0	1175.1	1174.3	1146.5	1144.7	1175.1					
G4.0	1164.9	1163.1	1128.9	1126.0	1164.9					
G5.0	1148.2	1148.3	1106.1	1103.8	1148.2					
G6.0	1128.1	1128.6	1082.7	1075.0	1128.1					
G7.0	1103.6	1101.3	1052.0	1044.8	1103.6					
G8.0	1070.8	1070.8	1020.1	1007.6	1070.8					
G9.0	1035.4	1032.4	984.3	970.1	1035.4					
G10.0	995.0	992.8	940.5	929.3	995.0					
G11.0	944.8	949.8	898.9	881.3	944.8					
G12.0	896.3	897.8	855.2	835.8	896.3					
G13.0	839.6	846.5	804.1	788.6	839.6					
G14.0	785.5	793.0	755.9	735.9	785.5					
G15.0	728.9	732.1	701.7	686.1	728.9					
G16.0	671.9	676.9	652.8	636.4	671.9					
G17.0	609.3	621.5	603.9	581.9	609.3					
G18.0	553.6	567.2	550.5	533.7	553.6					
G19.0	500.6	510.3	501.3	485.2	500.6					
G20.0	449.6	460.9	453.9	434.8	449.6					
G21.0	397.3	414.2	407.9	391.1	397.3					
G22.0	352.5	365.5	360.2	349.9	352.5					
G23.0	311.2	325.3	319.8	311.9	311.2					
G24.0	270.4	288.1	282.6	273.3	270.4					
G25.0	237.2	250.9	245.8	241.9	237.2					
G26.0	207.0	219.6	214.9	213.1	207.0					
G27.0	179.5	191.4	187.4	184.2	179.5					
G28.0	154.1	165.5	161.3	160.9	154.1					
G29.0	129.8	142.9	140.1	140.6	129.8					
G30.0	110.6	120.9	121.5	120.3	110.6					
G31.0	92.9	103.9	102.7	103.6	92.9					
G32.0	78.6	88.6	87.9	88.8	78.6					
G33.0	66.1	74.1	74.7	74.6	66.1					
G34.0	54.7	62.8	63.1	63.3	54.7					
G35.0	46.1	53.3	52.9	53.6	46.1					
G36.0	38.8	44.3	43.4	45.5	38.8					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	32.6	37.2	36.3	37.9	32.6					
G38.0	27.1	31.2	30.4	32.2	27.1					
G39.0	23.2	26.4	25.5	27.7	23.2					
G40.0	19.9	22.1	21.2	23.8	19.9					
G41.0	17.1	18.9	18.1	20.6	17.1					
G42.0	13.9	16.3	15.5	17.5	13.9					
G43.0	11.6	14.0	13.2	15.0	11.6					
G44.0	9.7	11.7	11.1	13.0	9.7					
G45.0	7.9	10.0	9.7	11.1	7.9					
G46.0	6.5	8.6	8.4	9.6	6.5					
G47.0	5.4	7.2	7.1	8.2	5.4					
G48.0	4.5	6.0	6.1	7.0	4.5					
G49.0	3.6	5.0	5.2	5.8	3.6					
G50.0	3.1	4.3	4.3	4.9	3.1					
G51.0	2.6	3.6	3.8	4.3	2.6					
G52.0	2.4	3.3	3.3	3.7	2.4					
G53.0	2.1	2.9	2.9	3.4	2.1					
G54.0	1.9	2.6	2.6	3.0	1.9					
G55.0	1.8	2.4	2.3	2.7	1.8					
G56.0	1.6	2.2	2.1	2.5	1.6					
G57.0	1.4	2.0	1.9	2.2	1.4					
G58.0	1.4	1.9	1.7	2.0	1.4					
G59.0	1.3	1.8	1.5	1.8	1.3					
G60.0	1.2	1.7	1.4	1.6	1.2					
G61.0	1.1	1.6	1.2	1.5	1.1					
G62.0	1.0	1.4	1.2	1.4	1.0					
G63.0	0.9	1.3	1.0	1.2	0.9					
G64.0	0.8	1.2	0.9	1.0	0.8					
G65.0	0.7	1.1	0.8	1.0	0.7					
G66.0	0.7	1.0	0.7	0.9	0.7					
G67.0	0.6	0.9	0.7	0.8	0.6					
G68.0	0.6	0.9	0.6	0.7	0.6					
G69.0	0.5	0.8	0.6	0.7	0.5					
G70.0	0.6	0.7	0.6	0.6	0.6					
G71.0	0.6	0.7	0.6	0.6	0.6					
G72.0	0.6	0.7	0.6	0.6	0.6					
G73.0	0.6	0.7	0.5	0.6	0.6					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	0.6	0.7	0.5	0.6	0.6					
G75.0	0.6	0.7	0.5	0.6	0.6					
G76.0	0.6	0.7	0.5	0.6	0.6					
G77.0	0.6	0.8	0.5	0.6	0.6					
G78.0	0.6	0.8	0.5	0.6	0.6					
G79.0	0.6	0.8	0.6	0.6	0.6					
G80.0	0.7	0.8	0.6	0.6	0.7					
G81.0	0.7	0.8	0.6	0.6	0.7					
G82.0	0.7	0.8	0.6	0.6	0.7					
G83.0	0.7	0.8	0.6	0.6	0.7					
G84.0	0.7	0.9	0.6	0.6	0.7					
G85.0	0.8	0.9	0.6	0.7	0.8					
G86.0	0.8	1.0	0.6	0.7	0.8					
G87.0	0.8	1.0	0.6	0.7	0.8					
G88.0	0.8	1.0	0.7	0.7	0.8					
G89.0	0.9	1.0	0.7	0.8	0.9					
G90.0	0.9	1.0	0.7	0.8	0.9					
G91.0	0.9	1.1	0.7	0.8	0.9					
G92.0	0.9	1.1	0.8	0.9	0.9					
G93.0	0.9	1.1	0.8	0.9	0.9					
G94.0	0.9	1.0	0.8	0.9	0.9					
G95.0	0.9	1.0	0.8	0.9	0.9					
G96.0	0.8	1.0	0.9	1.0	0.8					
G97.0	0.8	1.0	0.9	1.0	0.8					
G98.0	0.8	0.9	0.9	1.0	0.8					
G99.0	0.8	0.8	0.9	0.9	0.8					
G100.0	0.7	0.8	0.9	0.9	0.7					
G101.0	0.7	0.8	0.8	0.9	0.7					
G102.0	0.7	0.8	0.8	0.8	0.7					
G103.0	0.7	0.7	0.8	0.8	0.7					
G104.0	0.7	0.7	0.8	0.8	0.7					
G105.0	0.7	0.7	0.7	0.8	0.7					
G106.0	0.6	0.7	0.7	0.7	0.6					
G107.0	0.6	0.7	0.7	0.7	0.6					
G108.0	0.6	0.7	0.7	0.7	0.6					
G109.0	0.6	0.7	0.7	0.7	0.6					
G110.0	0.6	0.7	0.7	0.6	0.6					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.7	0.7	0.6	0.6	0.7					
G112.0	0.6	0.7	0.6	0.6	0.6					
G113.0	0.6	0.7	0.6	0.6	0.6					
G114.0	0.6	0.7	0.6	0.7	0.6					
G115.0	0.6	0.7	0.6	0.7	0.6					
G116.0	0.6	0.7	0.6	0.7	0.6					
G117.0	0.7	0.7	0.6	0.7	0.7					
G118.0	0.7	0.7	0.7	0.7	0.7					
G119.0	0.7	0.8	0.7	0.7	0.7					
G120.0	0.7	0.8	0.7	0.8	0.7					
G121.0	0.7	0.8	0.7	0.8	0.7					
G122.0	0.8	0.8	0.8	0.8	0.8					
G123.0	0.8	0.9	0.8	0.9	0.8					
G124.0	0.9	0.9	0.8	0.9	0.9					
G125.0	0.9	1.0	0.9	1.0	0.9					
G126.0	0.9	1.0	0.9	1.0	0.9					
G127.0	1.0	1.0	1.0	1.1	1.0					
G128.0	1.1	1.1	1.0	1.1	1.1					
G129.0	1.1	1.2	1.1	1.2	1.1					
G130.0	1.2	1.2	1.2	1.3	1.2					
G131.0	1.3	1.3	1.2	1.4	1.3					
G132.0	1.4	1.4	1.3	1.5	1.4					
G133.0	1.5	1.5	1.4	1.5	1.5					
G134.0	1.6	1.6	1.5	1.6	1.6					
G135.0	1.7	1.7	1.6	1.7	1.7					
G136.0	1.8	1.8	1.7	1.8	1.8					
G137.0	1.9	2.0	1.8	1.9	1.9					
G138.0	2.1	2.1	1.9	1.9	2.1					
G139.0	2.2	2.2	2.0	2.1	2.2					
G140.0	2.3	2.3	2.1	2.2	2.3					
G141.0	2.4	2.4	2.2	2.3	2.4					
G142.0	2.6	2.5	2.2	2.4	2.6					
G143.0	2.7	2.7	2.3	2.5	2.7					
G144.0	2.8	2.8	2.4	2.6	2.8					
G145.0	3.0	2.9	2.6	2.7	3.0					
G146.0	3.1	3.1	2.6	2.9	3.1					
G147.0	3.2	3.2	2.7	2.9	3.2					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	3.3	3.3	2.8	3.0	3.3					
G149.0	3.5	3.5	2.9	3.1	3.5					
G150.0	3.6	3.6	3.0	3.2	3.6					
G151.0	3.7	3.7	3.1	3.3	3.7					
G152.0	3.8	3.9	3.1	3.4	3.8					
G153.0	3.9	4.0	3.2	3.5	3.9					
G154.0	4.0	4.1	3.3	3.5	4.0					
G155.0	4.1	4.2	3.3	3.5	4.1					
G156.0	4.1	4.3	3.4	3.6	4.1					
G157.0	4.2	4.4	3.5	3.7	4.2					
G158.0	4.2	4.4	3.5	3.7	4.2					
G159.0	4.3	4.5	3.5	3.7	4.3					
G160.0	4.3	4.6	3.6	3.7	4.3					
G161.0	4.4	4.6	3.6	3.8	4.4					
G162.0	4.4	4.6	3.6	3.8	4.4					
G163.0	4.4	4.6	3.6	3.8	4.4					
G164.0	4.5	4.7	3.6	3.8	4.5					
G165.0	4.4	4.7	3.6	3.9	4.4					
G166.0	4.5	4.6	3.6	3.8	4.5					
G167.0	4.5	4.6	3.6	3.9	4.5					
G168.0	4.5	4.6	3.6	3.9	4.5					
G169.0	4.4	4.7	3.6	3.9	4.4					
G170.0	4.4	4.7	3.7	3.9	4.4					
G171.0	4.4	4.7	3.7	3.9	4.4					
G172.0	4.4	4.8	3.7	3.9	4.4					
G173.0	4.5	4.8	3.7	4.0	4.5					
G174.0	4.5	4.9	3.7	4.0	4.5					
G175.0	4.4	4.9	3.8	4.0	4.4					
G176.0	4.4	4.8	3.9	4.1	4.4					
G177.0	4.4	4.8	3.9	4.2	4.4					
G178.0	4.3	4.7	4.0	4.4	4.3					
G179.0	4.3	4.6	4.0	4.4	4.3					
G180.0	4.2	4.5	4.1	4.5	4.2					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.508 m [K=1.0000]
Humidity: 65
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	2605.14
L 0-180(75) av	3084.05
L 0-180(85) av	11132.26
L 90-270(65) av	3459.11
L 90-270(75) av	3537.31
L 90-270(85) av	13045.84
L 45(65) av	3032.13
L 45(75) av	3310.68
L 45(85) av	12089.05

Standard: GB/T 29293-2012