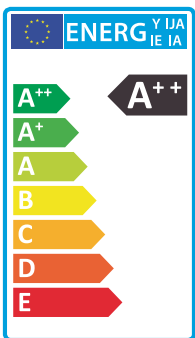


NOBIS **500W**

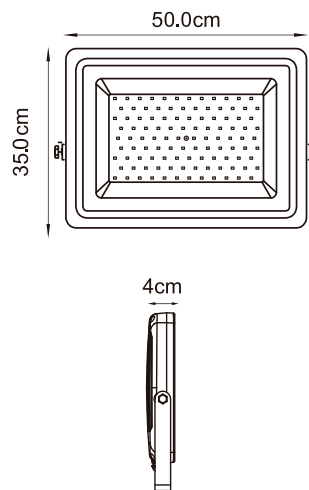


El Reflector Nobis consume hasta un 80% menos energia

- 80% AHORRO DE ENERGÍA
- 500 WATT
- AC 165-265V 50/60Hz
- 60 000 lm
- 6500K
- CRI ≥ 80-85
- 50,000 H
- 110° ÁNGULO
- Hg 0.0mg LIBRE DE MERCURIO



MEDIDAS



Potencia	Temperatura	IP
500W	6500K	65



Report No.: TH-3995A

Test Time: 2023/1/2 17:12

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 3.531 A
 Power Factor: 0.627

Luminaire Description: NOBIS-500W
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 220.0V
 Power: 487.01W

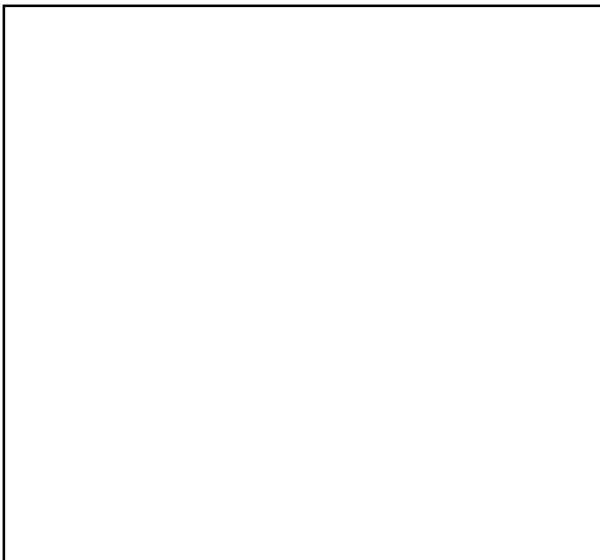
Photometric Results

CIE Class: Direct
 Measurement Flux: 61780.4 lm
 Downward Ratio: 99%
 Horizontal Diffuse Angle(50%): H115.7
 Vertical Diffuse Angle(50%): V112.8
 Luminaire Efficacy Rating (LER): 126.91
 Max. Intensity: 21606.87 cd
 S/MH(C0/C180): 1.29

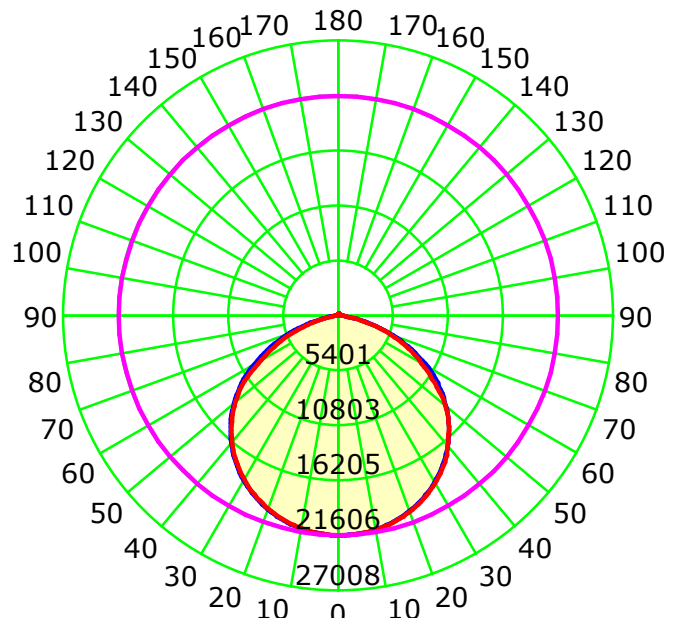
Total Rated Lamp Lumens: 61780.4 lm
 Efficiency: 100%
 Upward Ratio: 1%

C0r0 Intensity: 21596.68 cd
 Pos of Max. Intensity: H90 V1
 S/MH(C90/C270): 1.29

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

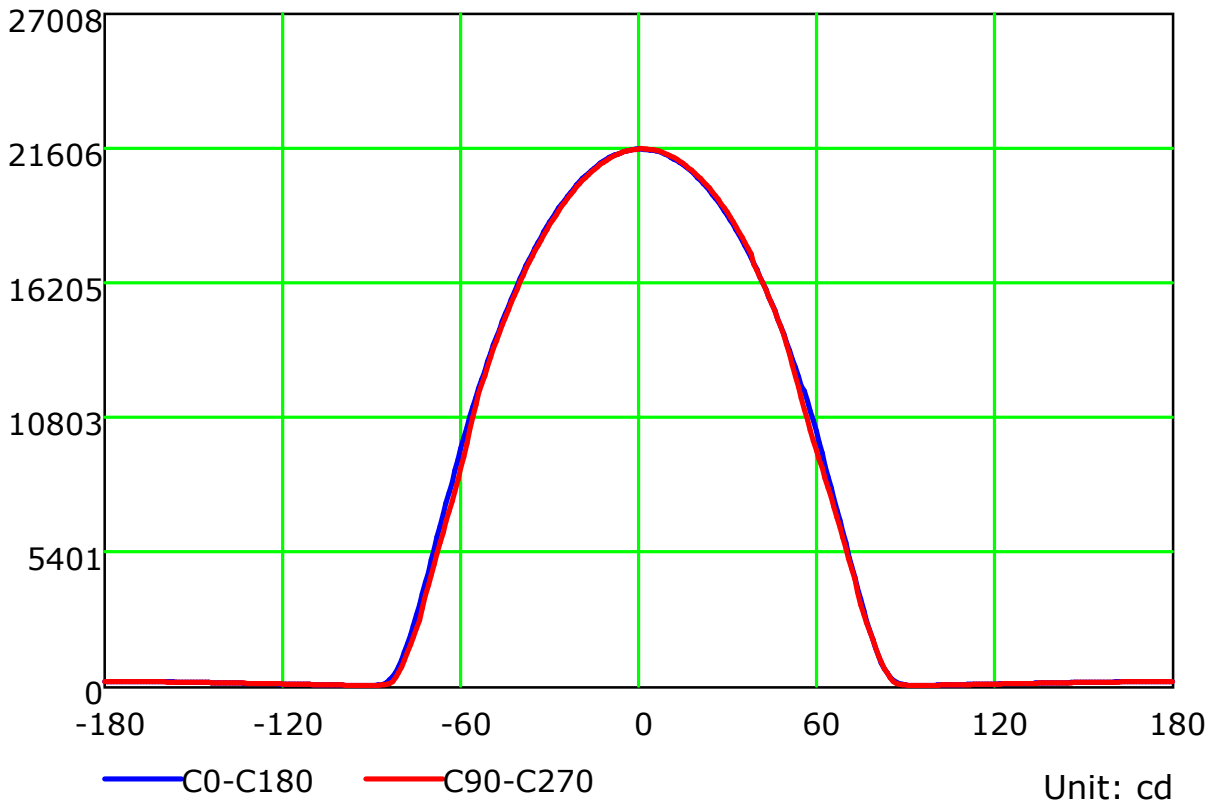
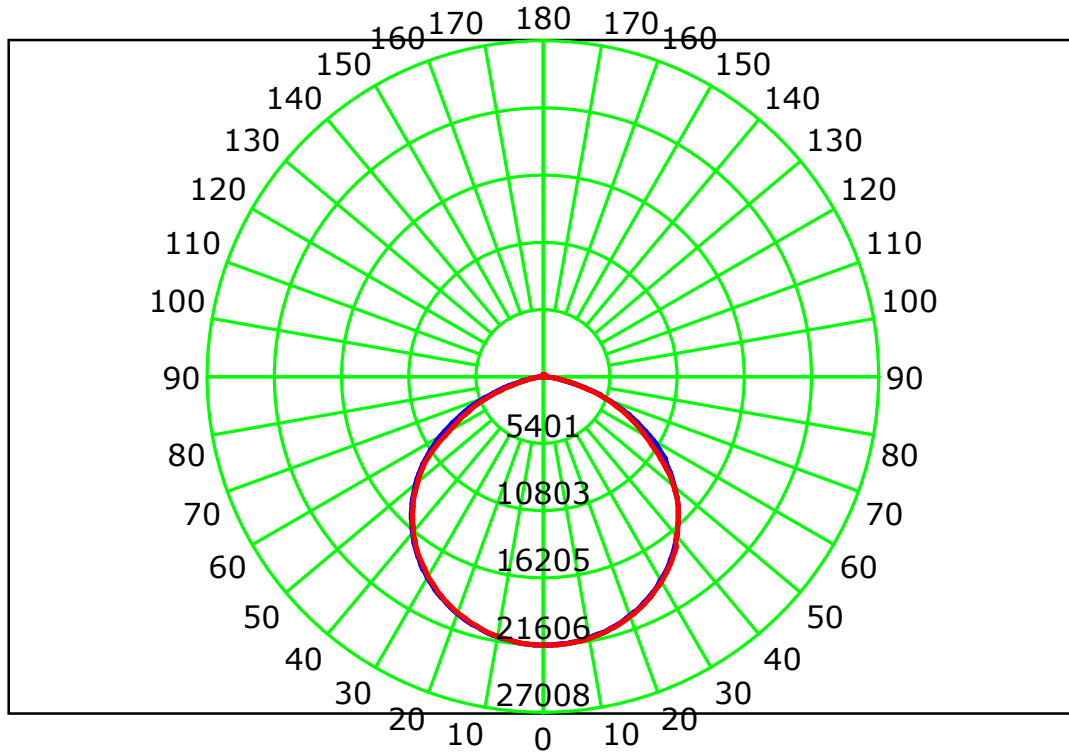
Average Diffuse Angle(50%): 114.3°

— 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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Luminous Intensity Distribution Curve



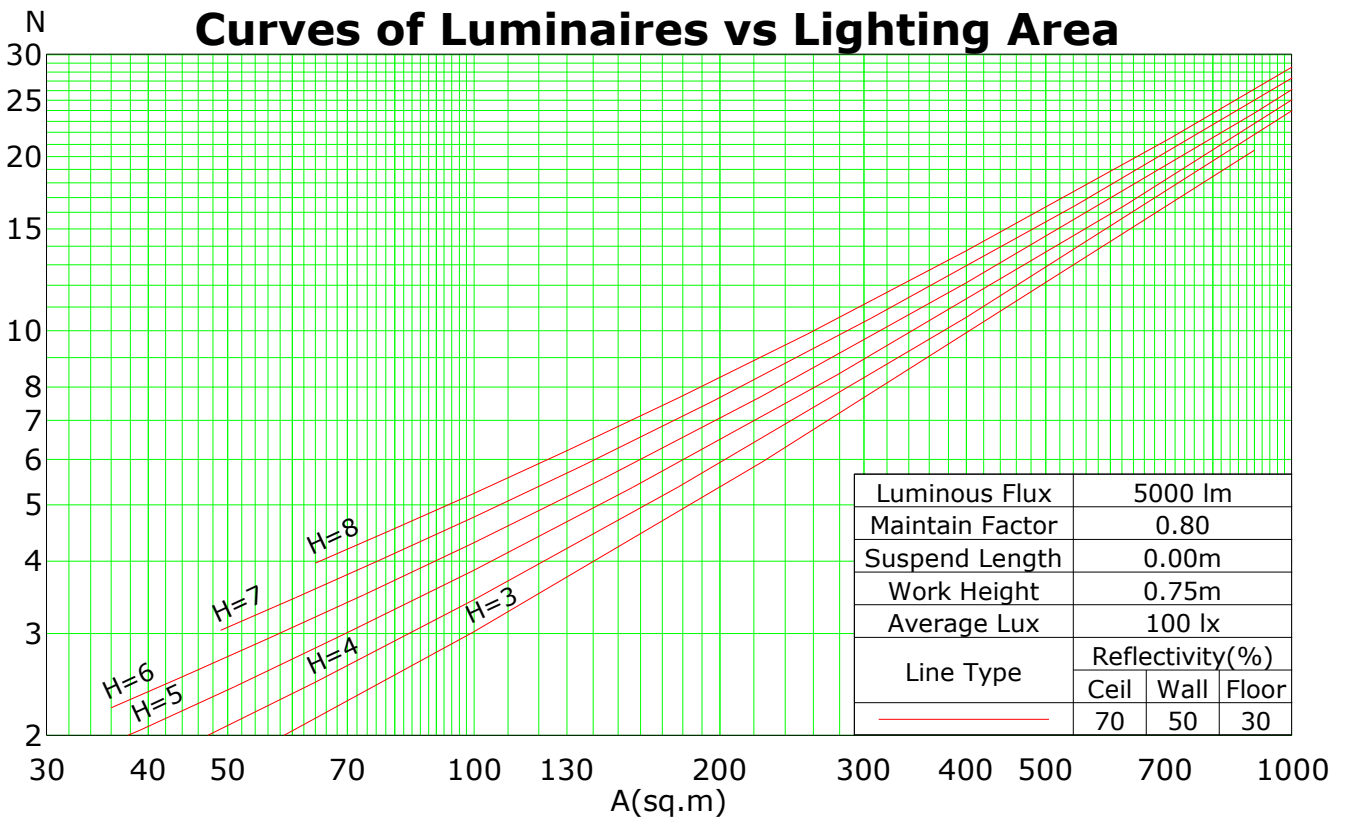
C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.09	1.05	1.01	0.97	1.06	1.02	0.99	0.95	0.98	0.95	0.92	0.94	0.91	0.89	0.90	0.88	0.86	0.84
2	1.00	0.92	0.85	0.80	0.97	0.90	0.84	0.79	0.86	0.81	0.77	0.83	0.78	0.75	0.79	0.76	0.73	0.71
3	0.91	0.81	0.73	0.66	0.88	0.79	0.72	0.66	0.76	0.70	0.64	0.73	0.68	0.63	0.70	0.66	0.62	0.60
4	0.83	0.71	0.63	0.56	0.81	0.70	0.62	0.56	0.67	0.60	0.55	0.65	0.59	0.54	0.63	0.57	0.53	0.51
5	0.76	0.64	0.55	0.48	0.74	0.63	0.54	0.48	0.60	0.53	0.47	0.58	0.52	0.47	0.56	0.51	0.46	0.44
6	0.71	0.57	0.48	0.42	0.69	0.56	0.48	0.42	0.54	0.47	0.41	0.53	0.46	0.41	0.51	0.45	0.41	0.38
7	0.65	0.52	0.43	0.37	0.64	0.51	0.43	0.37	0.49	0.42	0.37	0.48	0.41	0.36	0.46	0.41	0.36	0.34
8	0.61	0.47	0.39	0.33	0.59	0.47	0.39	0.33	0.45	0.38	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.30
9	0.57	0.43	0.35	0.30	0.55	0.43	0.35	0.30	0.42	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27
10	0.53	0.40	0.32	0.27	0.52	0.39	0.32	0.27	0.38	0.31	0.27	0.37	0.31	0.26	0.36	0.31	0.26	0.25

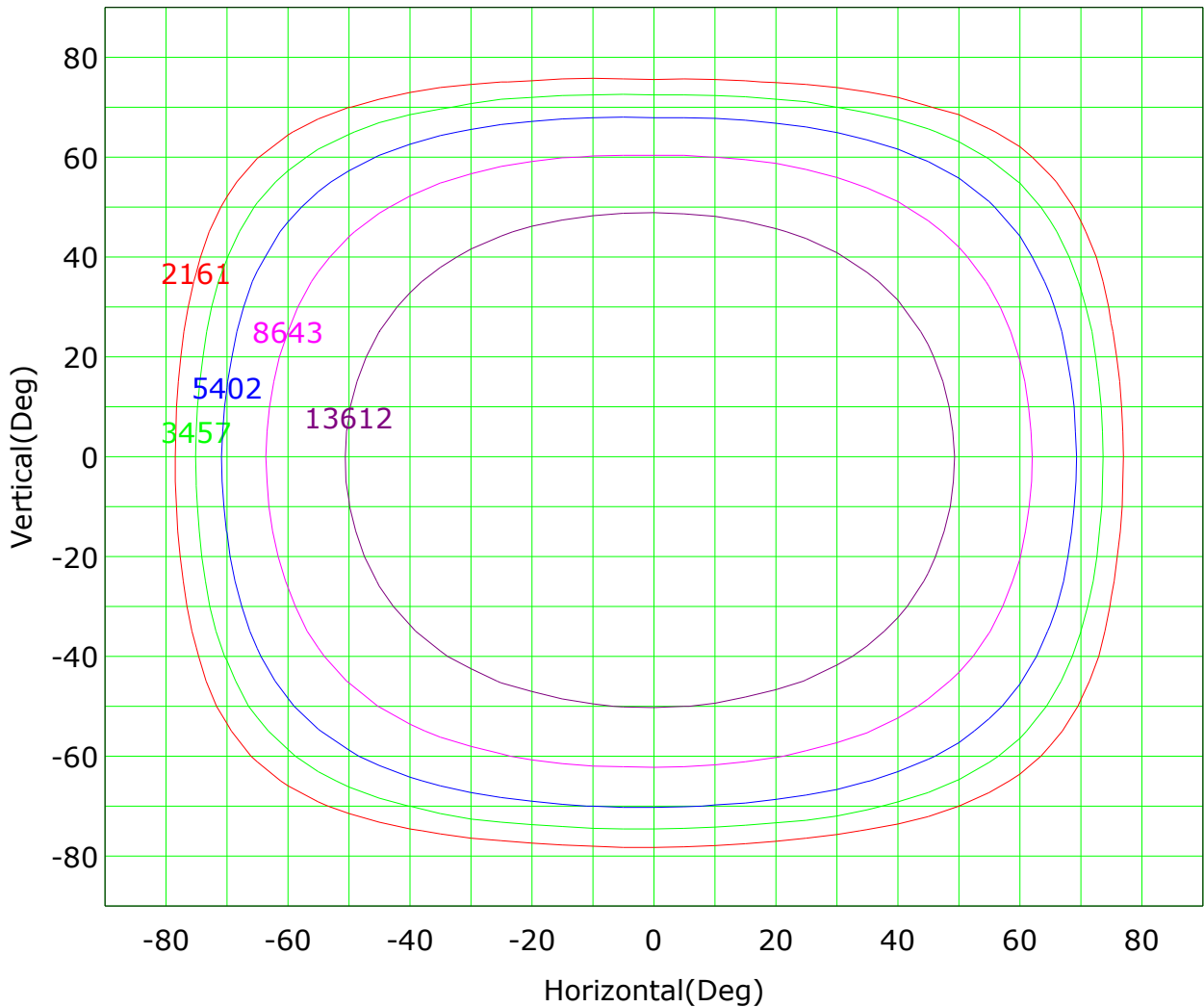
Spacing Criteria (0-180): 1.29
 Spacing Criteria (90-270): 1.29
 Spacing Criteria (Diagonal): 1.41



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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Isocandela (rectangle)



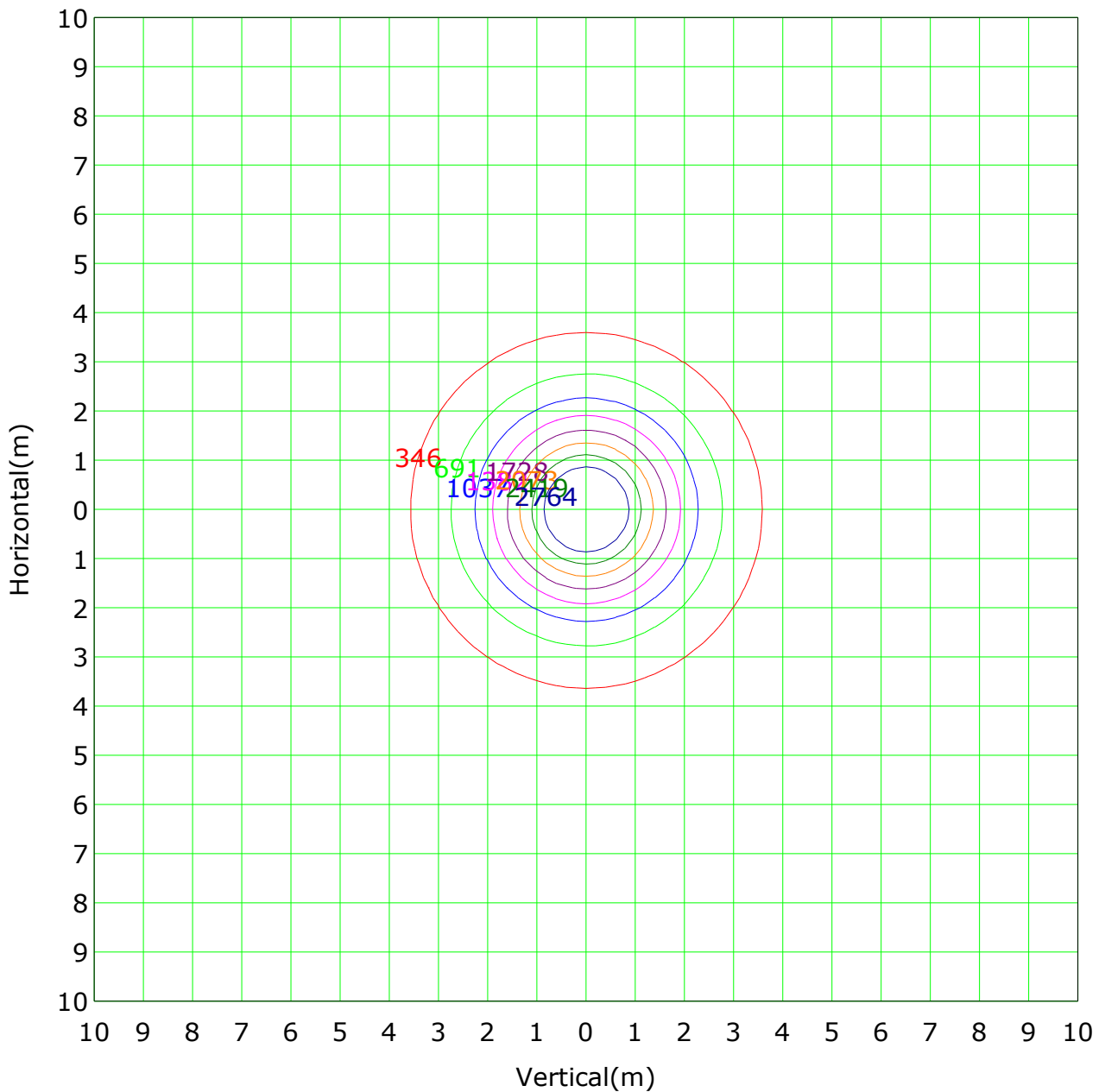
Imax (100%): 21607 cd

- | | |
|--------------------|--------------------|
| — (10%): 2161 cd | — (16%): 3457 cd |
| — (25%): 5402 cd | — (40%): 8643 cd |
| — (63%): 13612 cd | — (100%): 21607 cd |

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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

IsoLux Plot



Mounting Height: 2.5m		Max Lux(100%): 3455.5 lx	
— (10%): 345.6 lx	— (20%): 691.1 lx	— (40%): 1382.2 lx	
— (30%): 1036.7 lx	— (60%): 2073.3 lx	— (80%): 2764.4 lx	
— (50%): 1727.8 lx			
— (70%): 2418.9 lx			

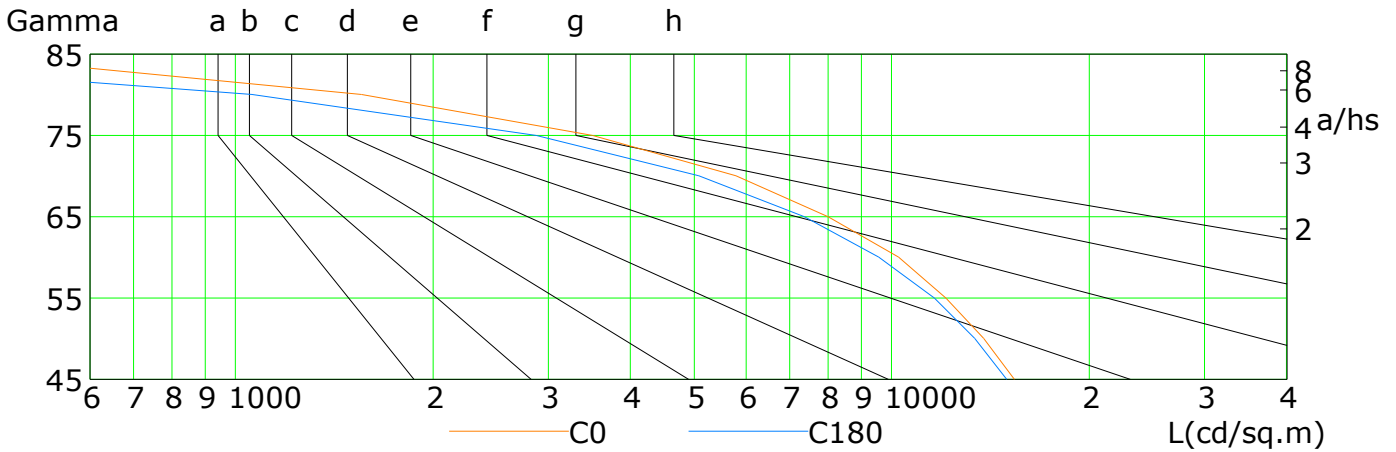
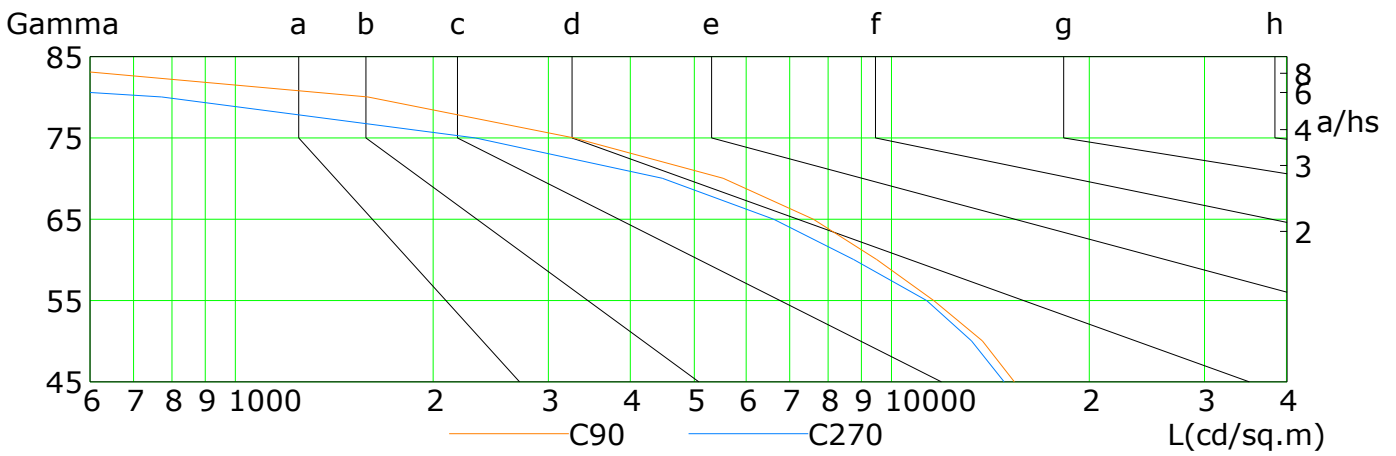
C Plane (°): 0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

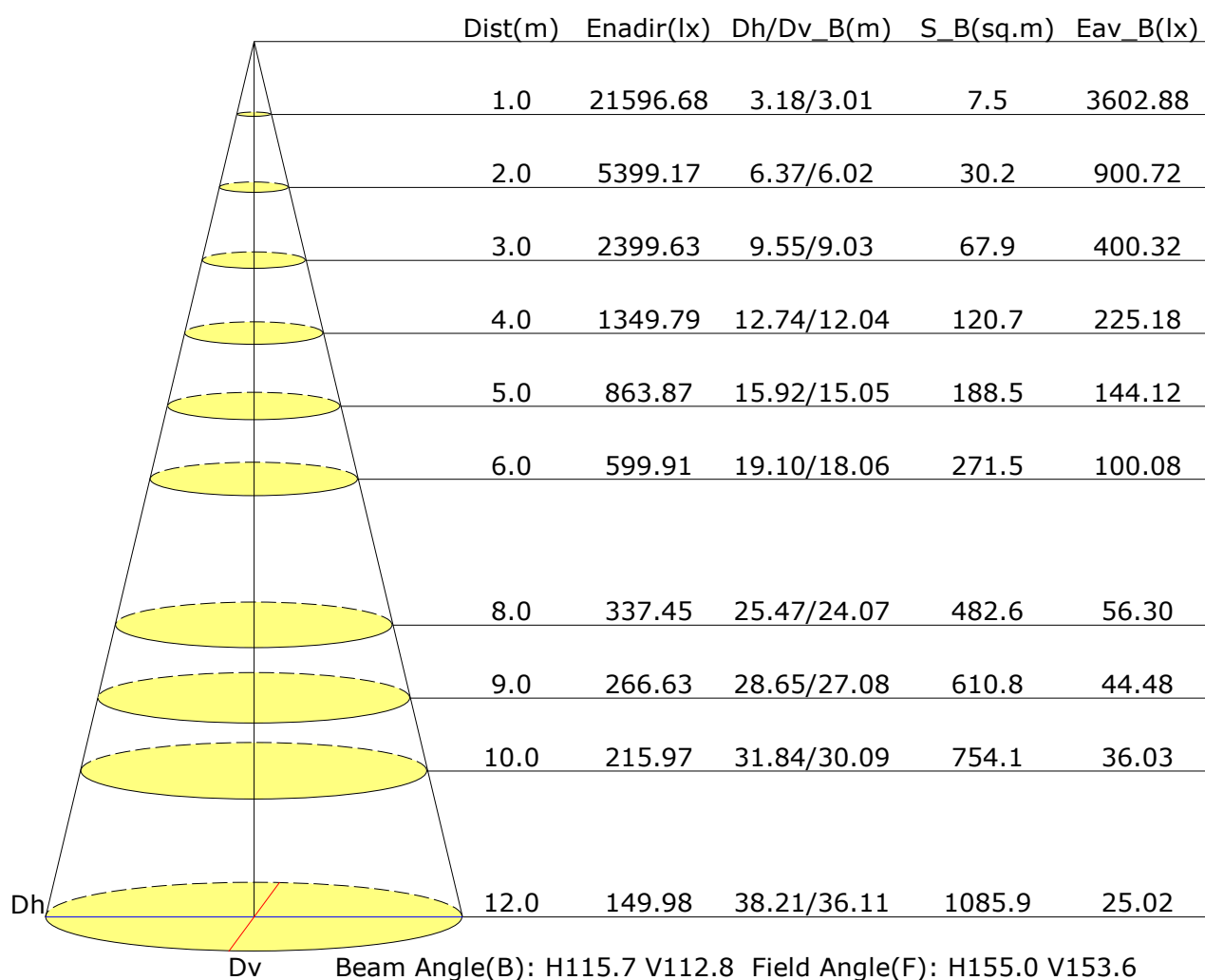


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	15383	13821	12086	10243	7996	5785	3501	1555	369
C90	15369	13747	11583	9491	7592	5536	3282	1594	336
C180	14977	13392	11607	9548	7358	5081	2876	1060	168
C270	14826	13226	11300	8759	6615	4475	2324	773	81

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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

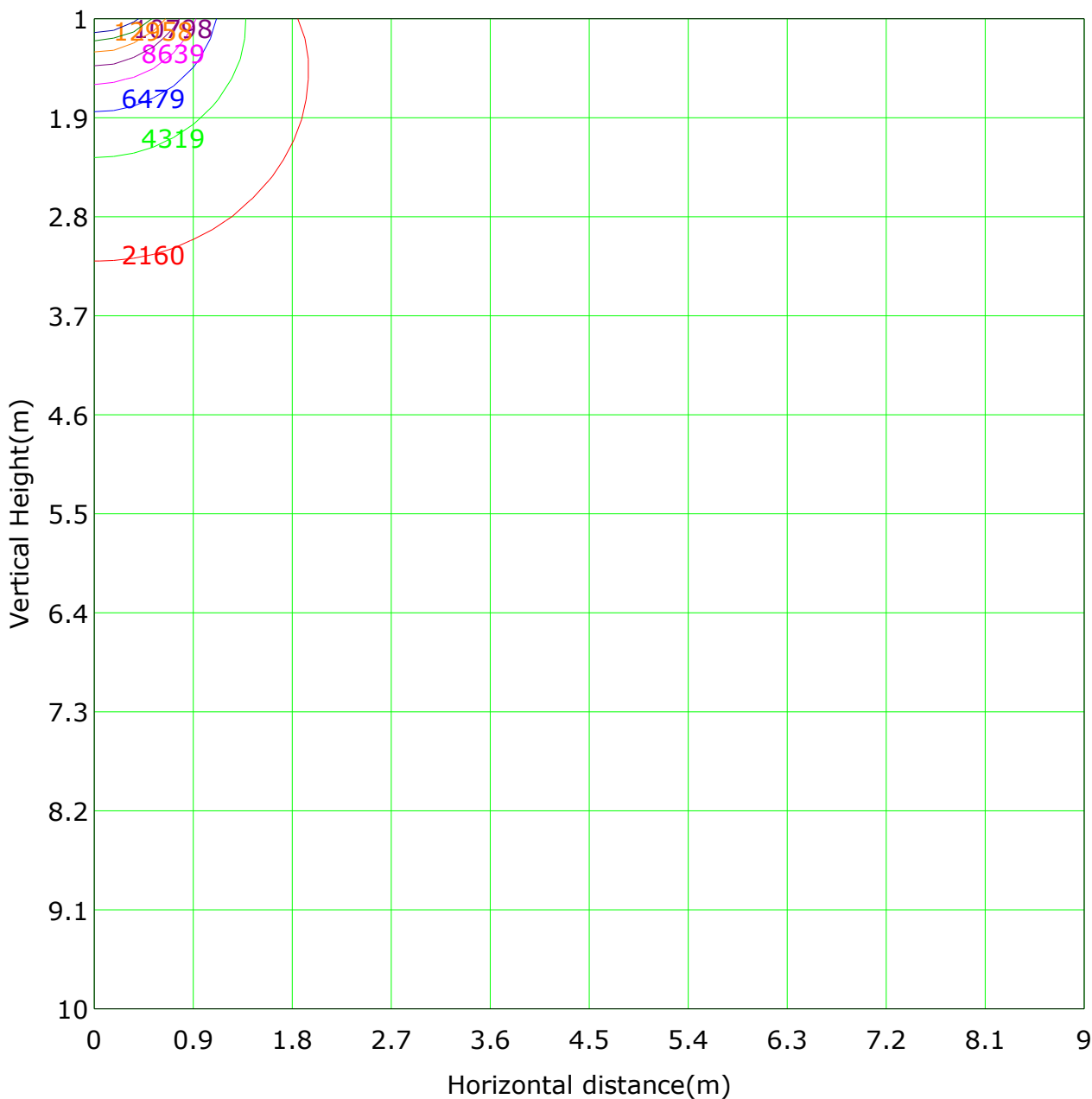
Illuminance at a Distance



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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 21596.7 lx

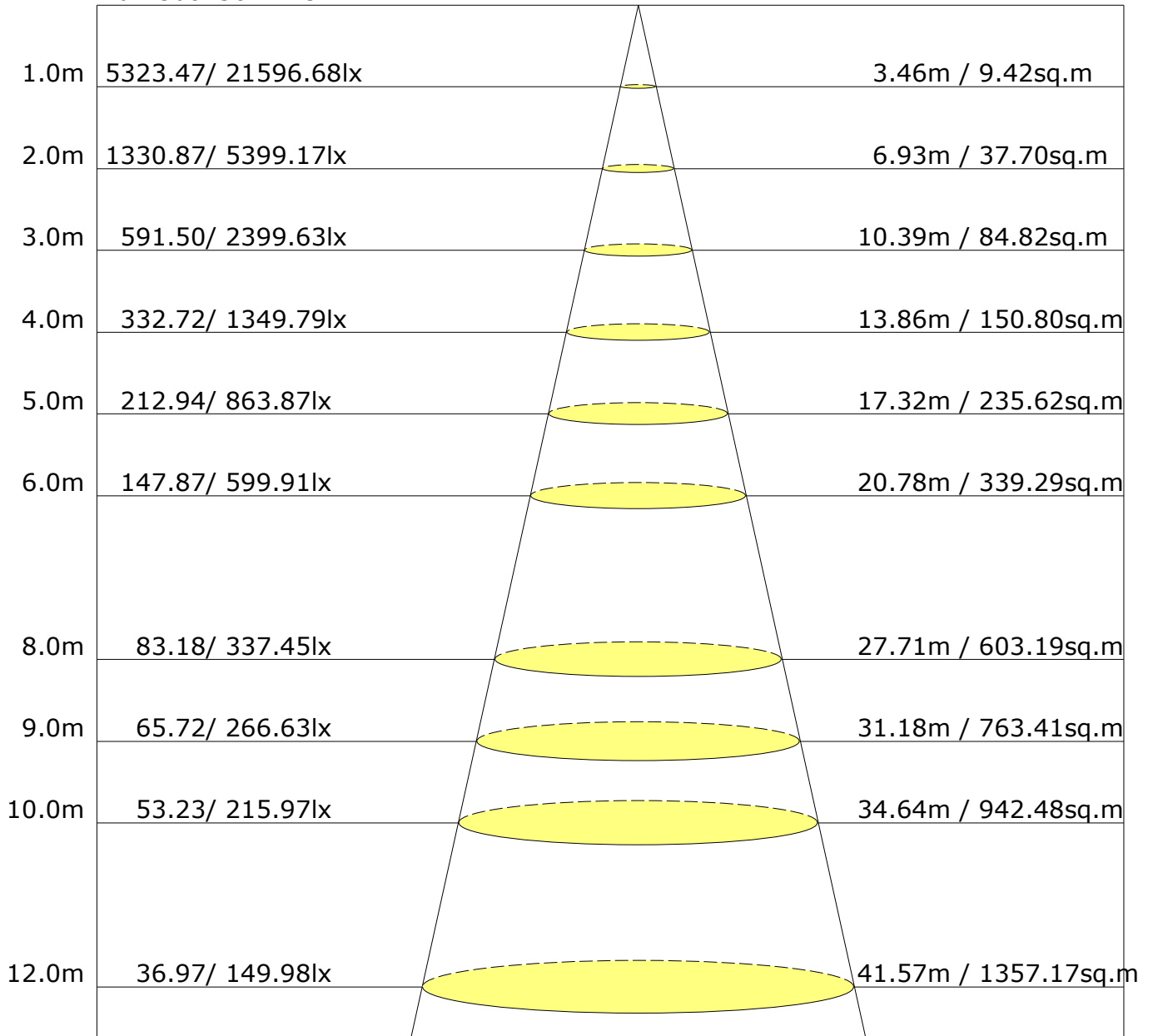
— (10%):2159.7 lx	— (20%):4319.3 lx
— (30%):6479.0 lx	— (40%):8638.7 lx
— (50%):10798.3 lx	— (60%):12958.0 lx
— (70%):15117.7 lx	— (80%):17277.3 lx

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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 50172.57lm



Height

Avg./Nadir. E

Beam Angle:120.0°

Diameter / Area

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: 8.607 m [K=1.0000]
 Humidity: 65
 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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with 61780lm ($8\log(F/F_0) = 14.3$).

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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	21594.1	20.7	20.7	0.03	0.03
1.0-2.0	21585.8	62.0	82.6	0.10	0.13
2.0-3.0	21571.4	103.2	185.8	0.17	0.30
3.0-4.0	21552.7	144.3	330.1	0.23	0.53
4.0-5.0	21529.4	185.2	515.3	0.30	0.83
5.0-6.0	21498.8	226.0	741.3	0.37	1.20
6.0-7.0	21462.4	266.4	1007.7	0.43	1.63
7.0-8.0	21422.4	306.6	1314.4	0.50	2.13
8.0-9.0	21375.5	346.5	1660.8	0.56	2.69
9.0-10.0	21319.9	385.9	2046.7	0.62	3.31
10.0-11.0	21257.0	424.8	2471.5	0.69	4.00
11.0-12.0	21186.6	463.2	2934.7	0.75	4.75
12.0-13.0	21111.6	501.1	3435.8	0.81	5.56
13.0-14.0	21031.0	538.4	3974.2	0.87	6.43
14.0-15.0	20941.6	575.0	4549.2	0.93	7.36
15.0-16.0	20848.2	611.0	5160.1	0.99	8.35
16.0-17.0	20752.8	646.4	5806.5	1.05	9.40
17.0-18.0	20650.8	681.0	6487.5	1.10	10.50
18.0-19.0	20538.4	714.7	7202.1	1.16	11.66
19.0-20.0	20420.2	747.5	7949.6	1.21	12.87
20.0-21.0	20298.8	779.6	8729.2	1.26	14.13
21.0-22.0	20166.5	810.5	9539.7	1.31	15.44
22.0-23.0	20028.5	840.5	10380.2	1.36	16.80
23.0-24.0	19888.5	869.7	11249.9	1.41	18.21
24.0-25.0	19739.2	897.7	12147.5	1.45	19.66
25.0-26.0	19584.4	924.6	13072.1	1.50	21.16
26.0-27.0	19424.5	950.5	14022.5	1.54	22.70
27.0-28.0	19253.4	974.9	14997.5	1.58	24.28
28.0-29.0	19073.7	998.0	15995.5	1.62	25.89
29.0-30.0	18889.8	1020.0	17015.5	1.65	27.54
30.0-31.0	18703.3	1041.0	18056.5	1.68	29.23
31.0-32.0	18507.0	1060.4	19116.9	1.72	30.94
32.0-33.0	18302.5	1078.4	20195.3	1.75	32.69
33.0-34.0	18095.9	1095.3	21290.6	1.77	34.46
34.0-35.0	17881.8	1110.7	22401.3	1.80	36.26
35.0-36.0	17663.3	1124.8	23526.1	1.82	38.08

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: 8.607 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	17437.9	1137.5	24663.5	1.84	39.92
37.0-38.0	17199.6	1148.2	25811.7	1.86	41.78
38.0-39.0	16930.7	1155.8	26967.5	1.87	43.65
39.0-40.0	16657.3	1161.9	28129.4	1.88	45.53
40.0-41.0	16398.0	1167.8	29297.3	1.89	47.42
41.0-42.0	16130.0	1172.1	30469.3	1.90	49.32
42.0-43.0	15856.0	1174.7	31644.0	1.90	51.22
43.0-44.0	15576.8	1175.8	32819.9	1.90	53.12
44.0-45.0	15287.5	1175.0	33994.9	1.90	55.03
45.0-46.0	14995.6	1172.9	35167.8	1.90	56.92
46.0-47.0	14692.8	1168.7	36336.5	1.89	58.82
47.0-48.0	14374.7	1162.2	37498.7	1.88	60.70
48.0-49.0	14051.6	1154.1	38652.8	1.87	62.56
49.0-50.0	13716.9	1143.8	39796.6	1.85	64.42
50.0-51.0	13367.0	1131.1	40927.7	1.83	66.25
51.0-52.0	13001.1	1115.8	42043.5	1.81	68.05
52.0-53.0	12627.0	1098.6	43142.0	1.78	69.83
53.0-54.0	12246.9	1079.6	44221.6	1.75	71.58
54.0-55.0	11849.3	1057.9	45279.5	1.71	73.29
55.0-56.0	11448.9	1034.7	46314.2	1.67	74.97
56.0-57.0	11034.2	1009.0	47323.2	1.63	76.60
57.0-58.0	10600.6	980.4	48303.6	1.59	78.19
58.0-59.0	10162.2	950.2	49253.8	1.54	79.72
59.0-60.0	9724.1	918.8	50172.6	1.49	81.21
60.0-61.0	9299.6	887.6	51060.2	1.44	82.65
61.0-62.0	8878.3	855.6	51915.8	1.38	84.03
62.0-63.0	8447.2	821.7	52737.4	1.33	85.36
63.0-64.0	8016.6	786.7	53524.2	1.27	86.64
64.0-65.0	7598.3	752.1	54276.2	1.22	87.85
65.0-66.0	7181.5	716.6	54992.9	1.16	89.01
66.0-67.0	6745.2	678.3	55671.2	1.10	90.11
67.0-68.0	6306.5	638.9	56310.1	1.03	91.15
68.0-69.0	5880.5	600.0	56910.1	0.97	92.12
69.0-70.0	5442.7	559.1	57469.2	0.90	93.02
70.0-71.0	4992.7	516.1	57985.3	0.84	93.86
71.0-72.0	4557.8	474.0	58459.3	0.77	94.62

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: 8.607 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	4118.1	430.7	58890.0	0.70	95.32
73.0-74.0	3653.9	384.2	59274.1	0.62	95.94
74.0-75.0	3208.6	339.1	59613.2	0.55	96.49
75.0-76.0	2788.4	296.0	59909.3	0.48	96.97
76.0-77.0	2408.4	256.8	60166.1	0.42	97.39
77.0-78.0	2063.6	220.9	60387.0	0.36	97.74
78.0-79.0	1722.8	185.1	60572.1	0.30	98.04
79.0-80.0	1399.7	150.9	60723.0	0.24	98.29
80.0-81.0	1097.8	118.7	60841.8	0.19	98.48
81.0-82.0	834.1	90.5	60932.2	0.15	98.63
82.0-83.0	614.8	66.8	60999.1	0.11	98.74
83.0-84.0	435.3	47.4	61046.5	0.08	98.81
84.0-85.0	298.8	32.6	61079.1	0.05	98.86
85.0-86.0	194.6	21.3	61100.4	0.03	98.90
86.0-87.0	125.6	13.7	61114.2	0.02	98.92
87.0-88.0	84.9	9.3	61123.5	0.02	98.94
88.0-89.0	60.7	6.7	61130.1	0.01	98.95
89.0-90.0	49.2	5.4	61135.5	0.01	98.96
90.0-91.0	39.8	4.4	61139.9	0.01	98.96
91.0-92.0	34.4	3.8	61143.6	0.01	98.97
92.0-93.0	36.1	4.0	61147.6	0.01	98.98
93.0-94.0	37.9	4.1	61151.7	0.01	98.98
94.0-95.0	39.9	4.4	61156.1	0.01	98.99
95.0-96.0	42.0	4.6	61160.7	0.01	99.00
96.0-97.0	43.9	4.8	61165.5	0.01	99.00
97.0-98.0	45.9	5.0	61170.4	0.01	99.01
98.0-99.0	48.1	5.2	61175.7	0.01	99.02
99.0-100.0	50.4	5.4	61181.1	0.01	99.03
100.0-101.0	52.6	5.7	61186.8	0.01	99.04
101.0-102.0	54.9	5.9	61192.7	0.01	99.05
102.0-103.0	57.2	6.1	61198.8	0.01	99.06
103.0-104.0	59.5	6.3	61205.1	0.01	99.07
104.0-105.0	61.7	6.6	61211.7	0.01	99.08
105.0-106.0	64.1	6.8	61218.5	0.01	99.09
106.0-107.0	66.8	7.0	61225.5	0.01	99.10
107.0-108.0	69.3	7.3	61232.8	0.01	99.11

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: 8.607 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	71.8	7.5	61240.2	0.01	99.13
109.0-110.0	73.9	7.6	61247.9	0.01	99.14
110.0-111.0	76.1	7.8	61255.7	0.01	99.15
111.0-112.0	78.4	8.0	61263.7	0.01	99.16
112.0-113.0	80.7	8.2	61271.8	0.01	99.18
113.0-114.0	83.2	8.4	61280.2	0.01	99.19
114.0-115.0	85.5	8.5	61288.7	0.01	99.20
115.0-116.0	87.7	8.7	61297.4	0.01	99.22
116.0-117.0	90.0	8.8	61306.2	0.01	99.23
117.0-118.0	92.6	9.0	61315.3	0.01	99.25
118.0-119.0	94.9	9.2	61324.4	0.01	99.26
119.0-120.0	97.3	9.3	61333.7	0.02	99.28
120.0-121.0	99.6	9.4	61343.1	0.02	99.29
121.0-122.0	101.8	9.5	61352.6	0.02	99.31
122.0-123.0	104.1	9.6	61362.3	0.02	99.32
123.0-124.0	106.5	9.7	61372.0	0.02	99.34
124.0-125.0	108.4	9.8	61381.8	0.02	99.35
125.0-126.0	110.5	9.9	61391.7	0.02	99.37
126.0-127.0	112.8	9.9	61401.6	0.02	99.39
127.0-128.0	115.0	10.0	61411.6	0.02	99.40
128.0-129.0	117.3	10.1	61421.7	0.02	99.42
129.0-130.0	119.4	10.1	61431.8	0.02	99.44
130.0-131.0	121.6	10.1	61441.9	0.02	99.45
131.0-132.0	123.7	10.2	61452.1	0.02	99.47
132.0-133.0	126.0	10.2	61462.3	0.02	99.49
133.0-134.0	128.3	10.2	61472.5	0.02	99.50
134.0-135.0	130.2	10.2	61482.6	0.02	99.52
135.0-136.0	132.6	10.2	61492.8	0.02	99.53
136.0-137.0	135.2	10.2	61503.0	0.02	99.55
137.0-138.0	137.3	10.2	61513.2	0.02	99.57
138.0-139.0	139.3	10.1	61523.3	0.02	99.58
139.0-140.0	141.3	10.1	61533.4	0.02	99.60
140.0-141.0	143.5	10.0	61543.4	0.02	99.62
141.0-142.0	146.0	10.0	61553.4	0.02	99.63
142.0-143.0	148.4	9.9	61563.3	0.02	99.65
143.0-144.0	150.4	9.8	61573.1	0.02	99.66

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: 8.607 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	152.4	9.7	61582.8	0.02	99.68
145.0-146.0	154.2	9.6	61592.4	0.02	99.70
146.0-147.0	156.4	9.5	61601.8	0.02	99.71
147.0-148.0	158.2	9.3	61611.2	0.02	99.73
148.0-149.0	159.9	9.2	61620.3	0.01	99.74
149.0-150.0	162.0	9.0	61629.3	0.01	99.76
150.0-151.0	164.1	8.9	61638.2	0.01	99.77
151.0-152.0	166.0	8.7	61646.9	0.01	99.78
152.0-153.0	168.0	8.5	61655.4	0.01	99.80
153.0-154.0	169.7	8.3	61663.7	0.01	99.81
154.0-155.0	171.4	8.1	61671.8	0.01	99.82
155.0-156.0	173.3	7.9	61679.7	0.01	99.84
156.0-157.0	175.2	7.7	61687.3	0.01	99.85
157.0-158.0	177.1	7.4	61694.8	0.01	99.86
158.0-159.0	178.7	7.2	61702.0	0.01	99.87
159.0-160.0	180.2	6.9	61708.9	0.01	99.88
160.0-161.0	181.7	6.7	61715.5	0.01	99.90
161.0-162.0	183.2	6.4	61721.9	0.01	99.91
162.0-163.0	184.7	6.1	61728.0	0.01	99.92
163.0-164.0	186.1	5.8	61733.8	0.01	99.92
164.0-165.0	187.3	5.5	61739.3	0.01	99.93
165.0-166.0	188.4	5.2	61744.4	0.01	99.94
166.0-167.0	189.5	4.9	61749.3	0.01	99.95
167.0-168.0	190.4	4.5	61753.8	0.01	99.96
168.0-169.0	191.1	4.2	61758.0	0.01	99.96
169.0-170.0	192.1	3.8	61761.8	0.01	99.97
170.0-171.0	193.0	3.5	61765.3	0.01	99.98
171.0-172.0	193.6	3.1	61768.5	0.01	99.98
172.0-173.0	193.9	2.8	61771.2	0.00	99.99
173.0-174.0	194.2	2.4	61773.7	0.00	99.99
174.0-175.0	194.4	2.0	61775.7	0.00	99.99
175.0-176.0	194.8	1.7	61777.4	0.00	100.00
176.0-177.0	195.2	1.3	61778.7	0.00	100.00
177.0-178.0	196.0	0.9	61779.6	0.00	100.00
178.0-179.0	196.7	0.6	61780.2	0.00	100.00
179.0-180.0	196.4	0.2	61780.4	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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 33994.89 lm

%lum = 55.0%
%lamp = 55.0%

cone flux(120°): 50172.57 lm

%lum = 81.2%
%lamp = 81.2%

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: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	21596.7	21596.7	21596.7	21596.7	21596.7					
G1.0	21585.5	21606.9	21593.9	21579.7	21585.5					
G2.0	21572.2	21604.6	21578.8	21565.0	21572.2					
G3.0	21562.1	21592.1	21552.7	21543.5	21562.1					
G4.0	21552.7	21576.3	21522.6	21519.7	21552.7					
G5.0	21536.5	21557.6	21484.1	21485.8	21536.5					
G6.0	21512.0	21535.6	21440.1	21438.8	21512.0					
G7.0	21480.8	21507.9	21391.6	21392.5	21480.8					
G8.0	21442.9	21472.2	21351.0	21340.4	21442.9					
G9.0	21389.4	21421.9	21306.9	21279.3	21389.4					
G10.0	21329.8	21370.4	21253.4	21208.0	21329.8					
G11.0	21259.0	21315.5	21186.0	21133.9	21259.0					
G12.0	21193.8	21249.9	21101.9	21052.5	21193.8					
G13.0	21129.2	21183.7	21016.1	20965.4	21129.2					
G14.0	21059.0	21109.1	20923.0	20862.4	21059.0					
G15.0	20972.6	21020.2	20817.2	20769.6	20972.6					
G16.0	20885.7	20929.7	20720.2	20670.6	20885.7					
G17.0	20789.3	20834.7	20624.4	20568.2	20789.3					
G18.0	20682.9	20740.2	20522.9	20443.8	20682.9					
G19.0	20561.4	20628.2	20400.9	20326.7	20561.4					
G20.0	20446.6	20523.0	20277.2	20197.7	20446.6					
G21.0	20329.6	20408.1	20141.3	20067.0	20329.6					
G22.0	20197.0	20274.6	19999.7	19914.3	20197.0					
G23.0	20070.5	20146.2	19854.3	19771.2	20070.5					
G24.0	19934.5	20017.2	19692.7	19621.3	19934.5					
G25.0	19774.1	19866.2	19543.4	19464.0	19774.1					
G26.0	19620.3	19720.3	19389.6	19297.7	19620.3					
G27.0	19462.0	19567.5	19228.6	19110.4	19462.0					
G28.0	19297.7	19392.2	19037.4	18931.7	19297.7					
G29.0	19106.5	19220.2	18854.1	18750.1	19106.5					
G30.0	18930.5	19042.0	18661.3	18553.8	18930.5					
G31.0	18749.9	18861.5	18469.1	18358.6	18749.9					
G32.0	18546.5	18662.4	18273.0	18135.2	18546.5					
G33.0	18348.7	18475.2	18047.3	17932.1	18348.7					
G34.0	18149.3	18257.9	17835.6	17721.1	18149.3					
G35.0	17922.5	18054.8	17613.8	17499.3	17922.5					
G36.0	17705.7	17851.2	17386.5	17272.5	17705.7					

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: 8.607 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	17484.5	17611.9	17150.7	17040.5	17484.5					
G38.0	17233.2	17385.6	16912.3	16778.1	17233.2					
G39.0	16996.4	16968.7	16642.6	16528.6	16996.4					
G40.0	16755.7	16711.9	16388.5	16266.1	16755.7					
G41.0	16482.1	16469.2	16132.7	15977.6	16482.1					
G42.0	16220.8	16217.5	15836.3	15703.8	16220.8					
G43.0	15955.0	15931.2	15559.4	15424.3	15955.0					
G44.0	15659.1	15669.3	15271.9	15144.3	15659.1					
G45.0	15383.3	15368.9	14977.1	14825.8	15383.3					
G46.0	15100.8	15091.1	14685.7	14531.7	15100.8					
G47.0	14773.7	14776.0	14352.5	14231.3	14773.7					
G48.0	14470.6	14468.3	14036.5	13889.0	14470.6					
G49.0	14167.5	14106.8	13713.9	13560.4	14167.5					
G50.0	13820.9	13747.0	13392.4	13226.0	13820.9					
G51.0	13491.6	13348.8	13063.1	12846.4	13491.6					
G52.0	13157.3	12929.6	12677.5	12494.6	13157.3					
G53.0	12824.1	12461.8	12325.9	12145.6	12824.1					
G54.0	12445.2	12023.4	11974.9	11774.5	12445.2					
G55.0	12085.8	11583.2	11607.1	11300.4	12085.8					
G56.0	11859.0	11124.5	11227.7	10803.7	11859.0					
G57.0	11452.8	10713.8	10810.9	10281.6	11452.8					
G58.0	11067.8	10299.1	10409.1	9769.6	11067.8					
G59.0	10680.5	9870.9	9985.1	9215.2	10680.5					
G60.0	10242.5	9491.3	9548.3	8759.3	10242.5					
G61.0	9814.0	9130.9	9107.0	8303.3	9814.0					
G62.0	9373.8	8778.5	8674.6	7844.0	9373.8					
G63.0	8880.2	8371.8	8202.0	7453.1	8880.2					
G64.0	8435.5	7983.1	7780.8	7026.0	8435.5					
G65.0	7995.9	7592.2	7357.9	6614.7	7995.9					
G66.0	7562.4	7205.9	6926.0	6197.2	7562.4					
G67.0	7088.8	6769.2	6448.0	5764.5	7088.8					
G68.0	6656.4	6363.5	6017.3	5344.2	6656.4					
G69.0	6220.6	5971.0	5544.7	4926.7	6220.6					
G70.0	5785.5	5536.5	5081.1	4475.2	5785.5					
G71.0	5274.5	5126.4	4597.5	4064.5	5274.5					
G72.0	4818.1	4727.5	4180.7	3673.1	4818.1					
G73.0	4378.5	4320.8	3712.1	3134.0	4378.5					

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: 8.607 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	3961.2	3790.7	3275.8	2658.2	3961.2					
G75.0	3500.9	3281.6	2876.3	2323.9	3500.9					
G76.0	3037.3	2883.9	2436.1	1967.5	3037.3					
G77.0	2647.3	2550.2	2059.4	1685.2	2647.3					
G78.0	2258.9	2219.8	1698.9	1388.8	2258.9					
G79.0	1897.8	1888.9	1381.3	1047.7	1897.8					
G80.0	1555.2	1593.6	1059.8	773.3	1555.2					
G81.0	1225.3	1234.4	795.1	545.9	1225.3					
G82.0	951.2	978.1	580.6	362.6	951.2					
G83.0	719.4	719.0	406.8	200.8	719.4					
G84.0	523.8	515.9	271.9	125.0	523.8					
G85.0	368.9	336.0	167.7	81.5	368.9					
G86.0	241.3	188.9	101.4	70.7	241.3					
G87.0	158.2	110.3	74.1	60.0	158.2					
G88.0	106.4	78.1	61.3	30.5	106.4					
G89.0	77.5	67.9	31.8	32.2	77.5					
G90.0	65.2	52.0	33.4	33.4	65.2					
G91.0	32.3	31.1	35.1	35.6	32.3					
G92.0	34.6	31.7	37.3	37.3	34.6					
G93.0	36.2	33.4	39.0	39.0	36.2					
G94.0	37.9	35.6	40.7	41.3	37.9					
G95.0	40.1	37.3	42.9	43.0	40.1					
G96.0	42.3	39.6	45.1	45.3	42.3					
G97.0	44.0	41.3	46.8	47.0	44.0					
G98.0	46.3	44.1	48.5	49.2	46.3					
G99.0	48.5	46.4	51.3	50.9	48.5					
G100.0	51.3	48.1	53.5	53.2	51.3					
G101.0	53.5	50.3	55.2	55.4	53.5					
G102.0	56.3	53.2	57.4	57.7	56.3					
G103.0	57.9	55.4	59.6	60.0	57.9					
G104.0	61.3	57.7	61.8	62.2	61.3					
G105.0	63.0	60.0	64.1	63.9	63.0					
G106.0	65.8	63.4	66.3	66.8	65.8					
G107.0	68.5	64.5	70.2	69.0	68.5					
G108.0	70.2	67.9	72.4	71.8	70.2					
G109.0	72.4	70.1	74.7	74.7	72.4					
G110.0	75.2	71.8	75.8	76.4	75.2					

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: 8.607 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	77.5	74.1	78.0	79.8	77.5					
G112.0	79.7	76.9	79.7	81.5	79.7					
G113.0	82.5	79.2	82.5	83.7	82.5					
G114.0	84.7	81.5	84.7	86.6	84.7					
G115.0	86.9	83.7	86.4	89.4	86.9					
G116.0	89.2	86.6	88.6	90.5	89.2					
G117.0	90.8	88.8	92.5	93.3	90.8					
G118.0	93.6	91.1	94.7	96.2	93.6					
G119.0	95.8	93.9	96.4	97.9	95.8					
G120.0	98.1	96.2	99.7	100.1	98.1					
G121.0	100.3	98.4	101.4	103.0	100.3					
G122.0	103.1	100.7	103.1	104.7	103.1					
G123.0	105.3	103.5	105.9	106.9	105.3					
G124.0	107.5	105.2	108.1	109.2	107.5					
G125.0	109.2	107.5	109.8	110.9	109.2					
G126.0	111.4	109.7	112.6	113.1	111.4					
G127.0	113.1	112.0	114.8	115.4	113.1					
G128.0	115.9	114.8	116.5	117.7	115.9					
G129.0	117.6	117.7	118.7	119.4	117.6					
G130.0	120.4	119.9	119.2	122.8	120.4					
G131.0	122.6	121.6	122.0	124.5	122.6					
G132.0	124.3	123.9	124.3	126.2	124.3					
G133.0	127.6	126.2	126.5	129.0	127.6					
G134.0	129.3	128.4	128.7	130.7	129.3					
G135.0	130.9	130.1	130.4	133.5	130.9					
G136.0	133.7	132.4	134.8	135.2	133.7					
G137.0	136.0	135.2	137.1	136.9	136.0					
G138.0	137.6	136.9	139.3	139.2	137.6					
G139.0	140.4	138.6	142.1	140.3	140.4					
G140.0	142.1	140.3	144.3	142.6	142.1					
G141.0	144.3	143.1	146.5	144.8	144.3					
G142.0	147.1	144.8	148.2	149.3	147.1					
G143.0	148.8	147.1	150.4	151.0	148.8					
G144.0	150.4	148.8	153.2	153.3	150.4					
G145.0	152.7	150.5	155.5	154.4	152.7					
G146.0	154.3	152.7	157.1	156.7	154.3					
G147.0	157.1	155.0	159.4	159.0	157.1					

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: 8.607 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	158.8	156.1	161.6	159.0	158.8					
G149.0	161.0	157.8	163.3	161.2	161.0					
G150.0	162.7	160.1	166.0	163.5	162.7					
G151.0	164.9	161.8	168.3	165.2	164.9					
G152.0	166.6	163.5	170.5	167.4	166.6					
G153.0	168.3	165.8	172.7	169.1	168.3					
G154.0	169.9	167.4	174.4	170.3	169.9					
G155.0	172.2	168.6	177.2	171.4	172.2					
G156.0	173.3	170.3	179.4	173.7	173.3					
G157.0	175.0	172.0	182.2	175.9	175.0					
G158.0	176.6	173.1	184.4	177.6	176.6					
G159.0	177.7	174.8	186.1	179.3	177.7					
G160.0	180.0	175.9	187.2	180.5	180.0					
G161.0	181.7	177.6	188.9	181.6	181.7					
G162.0	183.3	179.3	190.6	182.7	183.3					
G163.0	184.4	181.0	191.7	184.4	184.4					
G164.0	186.1	182.2	193.4	185.6	186.1					
G165.0	187.2	183.3	194.5	186.1	187.2					
G166.0	188.9	184.4	195.6	187.2	188.9					
G167.0	190.0	185.6	196.7	187.8	190.0					
G168.0	191.1	186.7	196.7	188.4	191.1					
G169.0	192.2	187.8	197.2	188.9	192.2					
G170.0	193.4	188.9	198.4	190.1	193.4					
G171.0	193.9	190.1	198.9	190.6	193.9					
G172.0	194.5	190.6	198.9	191.2	194.5					
G173.0	195.0	190.6	199.5	191.2	195.0					
G174.0	195.6	191.8	197.2	192.3	195.6					
G175.0	196.1	191.8	197.8	192.3	196.1					
G176.0	196.7	192.3	198.4	192.9	196.7					
G177.0	197.2	192.3	198.4	193.5	197.2					
G178.0	197.8	192.3	202.3	194.0	197.8					
G179.0	198.4	192.3	202.3	194.0	198.4					
G180.0	198.4	191.8	200.0	194.0	198.4					

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: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	1.#J
L 0-180(75) av	1.#J
L 0-180(85) av	1.#J
L 90-270(65) av	1.#J
L 90-270(75) av	1.#J
L 90-270(85) av	1.#J
L 45(65) av	1.#J
L 45(75) av	1.#J
L 45(85) av	1.#J

Standard: GB/T 29293-2012

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: 8.607 m [K=1.0000]
Humidity: 65
Inspector: