

Report No.: TH-4090A

Test Time: 2023/2/25 16:03

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.472 A  
Power Factor: 0.950

Luminaire Description: PEPL-100W  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 220.1 V  
Power: 99.13 W

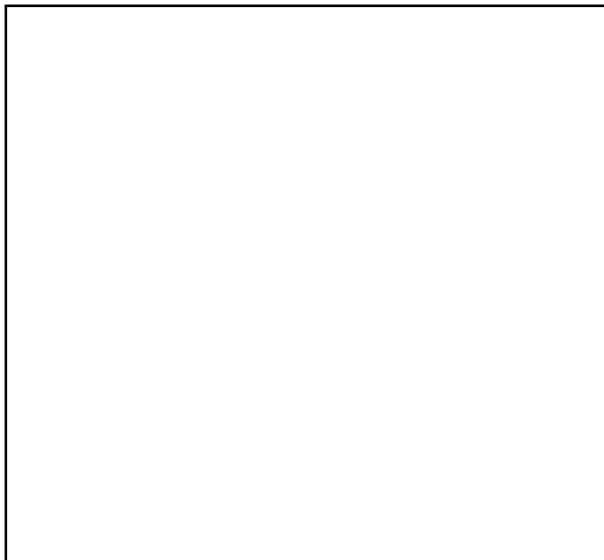
## Photometric Results

CIE Class: Direct  
Measurement Flux: 15231.5 lm  
Downward Ratio: 99%  
Horizontal Diffuse Angle(50%): H134  
Vertical Diffuse Angle(50%): V78.1  
Luminaire Efficacy Rating (LER): 153.70  
Max. Intensity: 9402.69 cd  
S/MH(C0/C180): 2.47

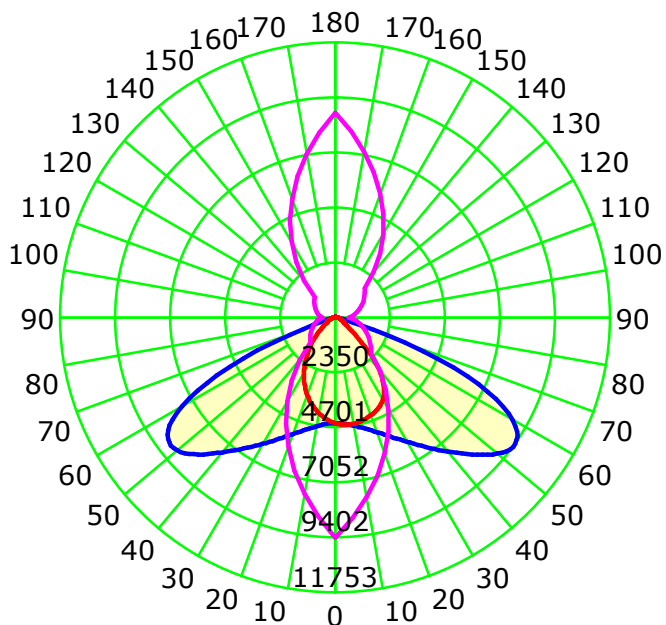
Total Rated Lamp Lumens: 15231.5 lm  
Efficiency: 100%  
Upward Ratio: 1%

C0r0 Intensity: 4518.14 cd  
Pos of Max. Intensity: H0 V55  
S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

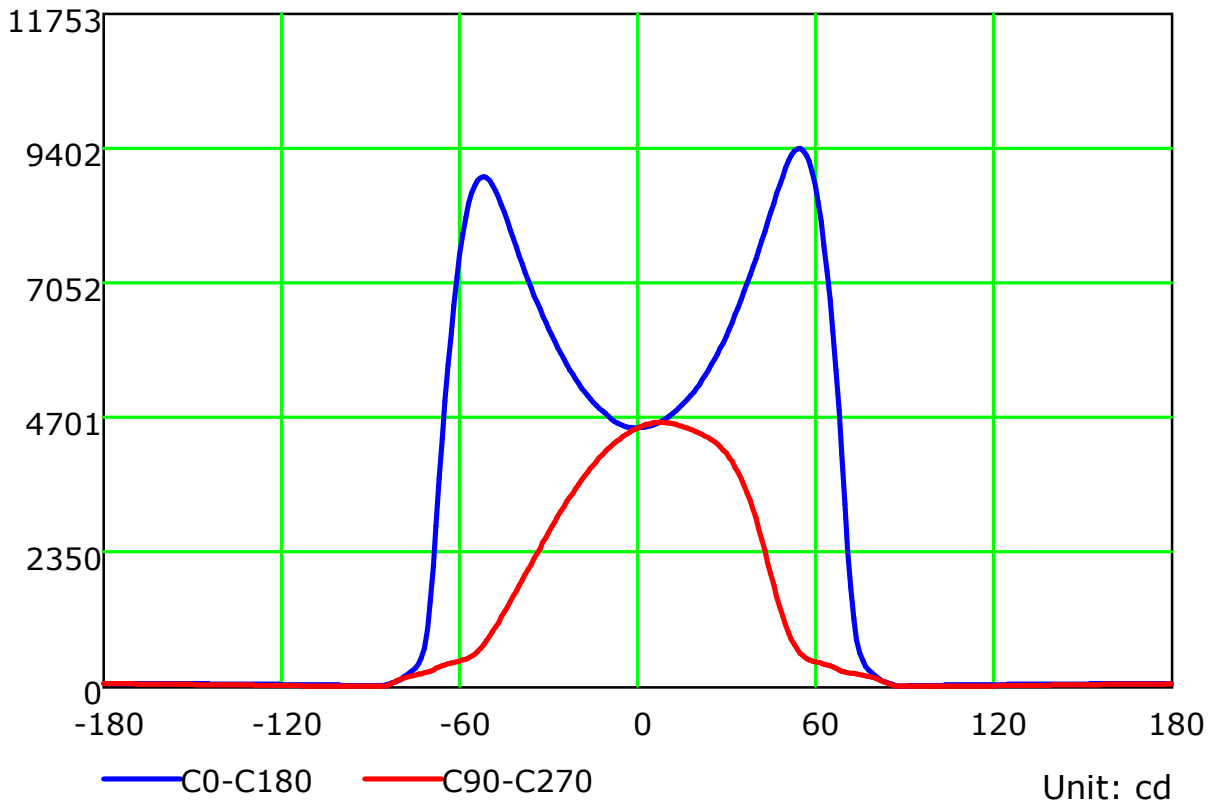
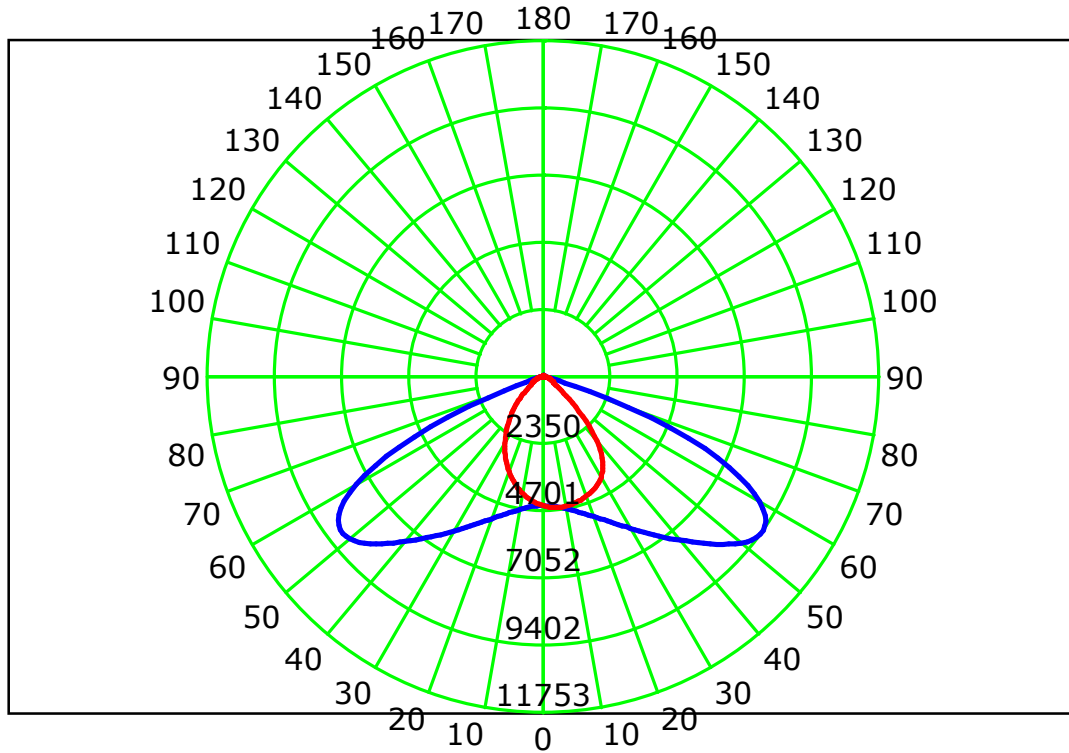
Average Diffuse Angle(50%): 105.6°

— C0-C180 — C90-C270 — G55

C Plane (°):0.0-360.0: 45.0  
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



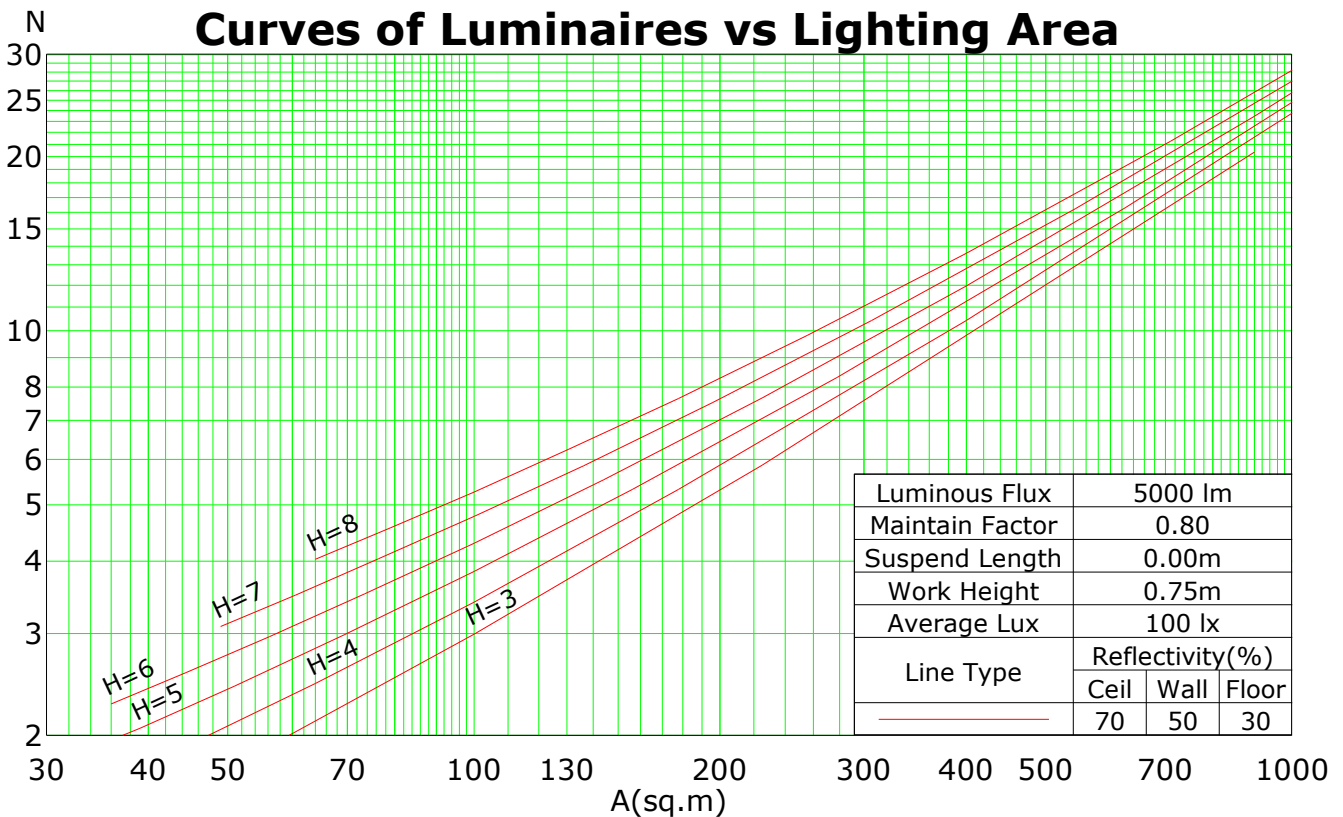
C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

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	1.10	1.06	1.02	0.98	1.07	1.03	1.00	0.97	0.99	0.96	0.93	0.95	0.92	0.90	0.91	0.89	0.88	0.85
2	1.00	0.93	0.86	0.81	0.98	0.91	0.85	0.80	0.87	0.82	0.78	0.84	0.80	0.76	0.81	0.77	0.74	0.72
3	0.91	0.81	0.74	0.67	0.89	0.80	0.73	0.67	0.77	0.71	0.66	0.74	0.69	0.64	0.71	0.67	0.63	0.61
4	0.84	0.72	0.63	0.57	0.81	0.71	0.63	0.57	0.68	0.61	0.56	0.66	0.60	0.55	0.63	0.58	0.54	0.52
5	0.77	0.64	0.55	0.49	0.75	0.63	0.55	0.48	0.61	0.53	0.48	0.59	0.52	0.47	0.57	0.51	0.47	0.45
6	0.71	0.57	0.49	0.42	0.69	0.56	0.48	0.42	0.55	0.47	0.42	0.53	0.46	0.41	0.51	0.45	0.41	0.39
7	0.65	0.52	0.43	0.37	0.63	0.51	0.43	0.37	0.49	0.42	0.36	0.48	0.41	0.36	0.46	0.40	0.36	0.34
8	0.61	0.47	0.39	0.33	0.59	0.46	0.38	0.33	0.45	0.38	0.32	0.44	0.37	0.32	0.42	0.36	0.32	0.30
9	0.56	0.43	0.35	0.29	0.55	0.42	0.34	0.29	0.41	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.28	0.27
10	0.53	0.39	0.31	0.26	0.51	0.39	0.31	0.26	0.38	0.31	0.26	0.37	0.30	0.26	0.36	0.30	0.26	0.24

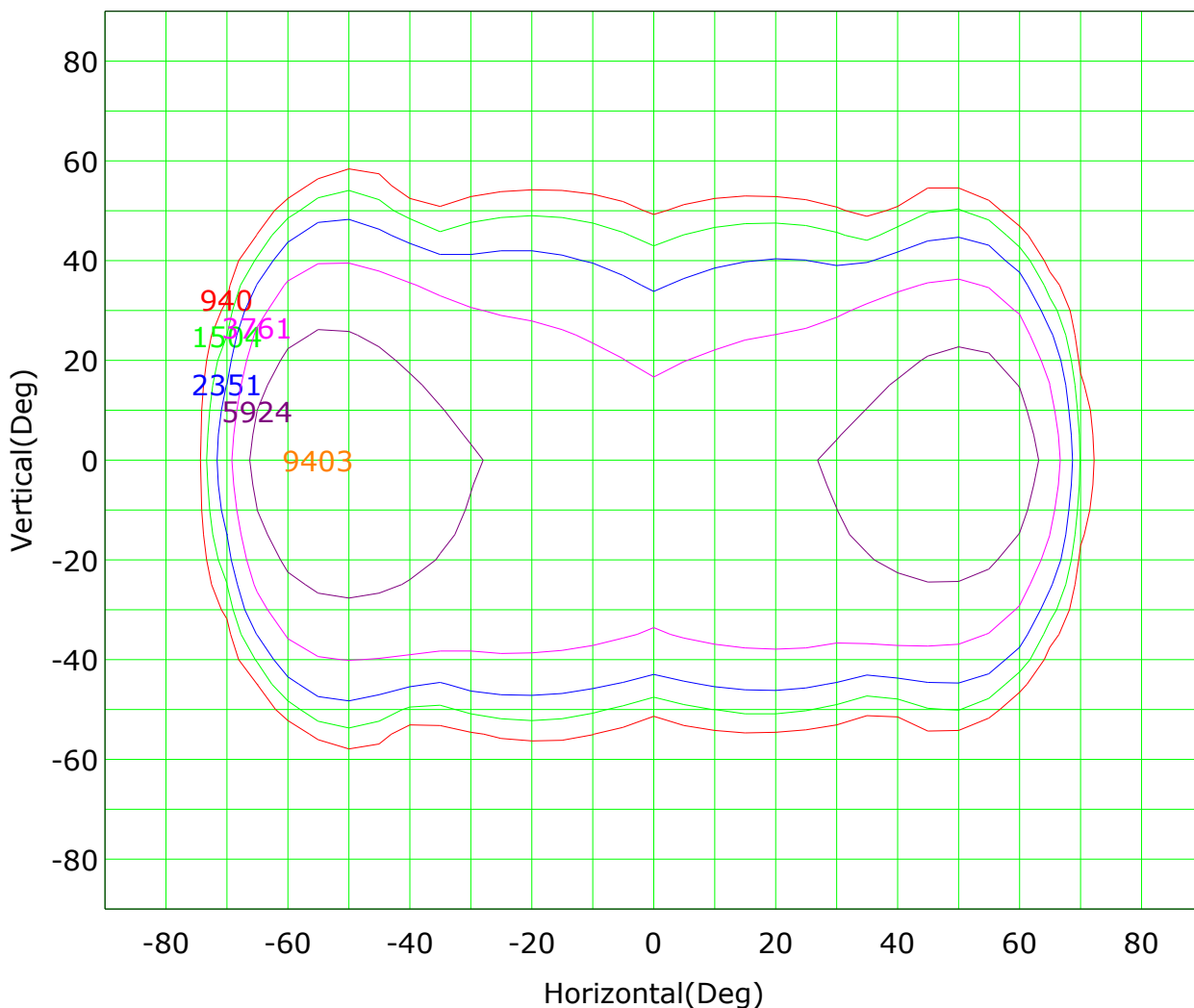
Spacing Criteria (0-180): 2.47  
 Spacing Criteria (90-270): 1.13  
 Spacing Criteria (Diagonal): 1.47



C Plane (°):0.0-360.0: 45.0  
 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)



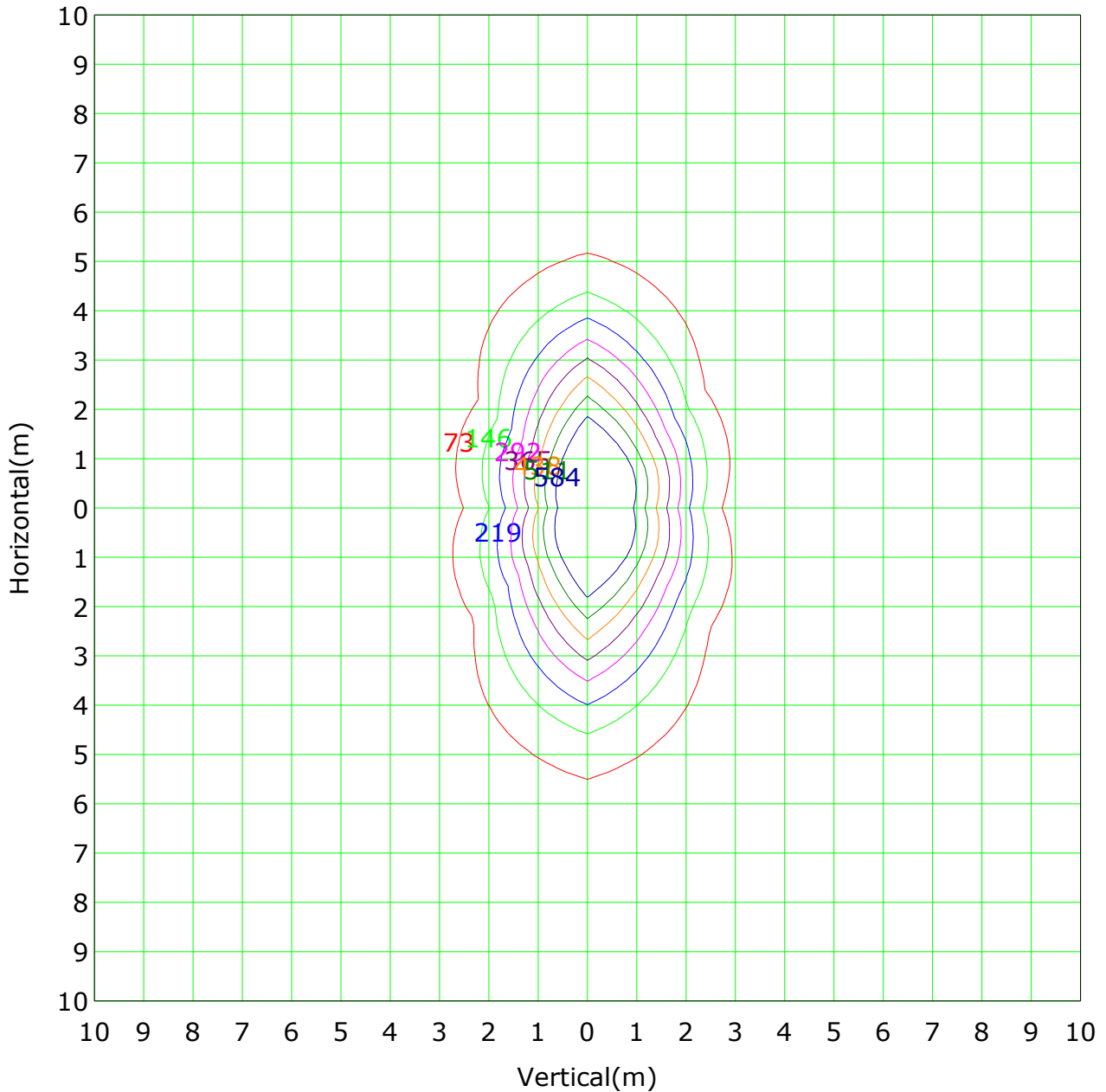
Imax (100%): 9403 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 940 cd  | — ( 16%): 1504 cd |
| — ( 25%): 2351 cd | — ( 40%): 3761 cd |
| — ( 63%): 5924 cd | — (100%): 9403 cd |

C Plane (°):0.0-360.0: 45.0  
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%): 730.1 lx
— ( 10%): 73.0 lx	— ( 20%): 146.0 lx	
— ( 30%): 219.0 lx	— ( 40%): 292.1 lx	
— ( 50%): 365.1 lx	— ( 60%): 438.1 lx	
— ( 70%): 511.1 lx	— ( 80%): 584.1 lx	

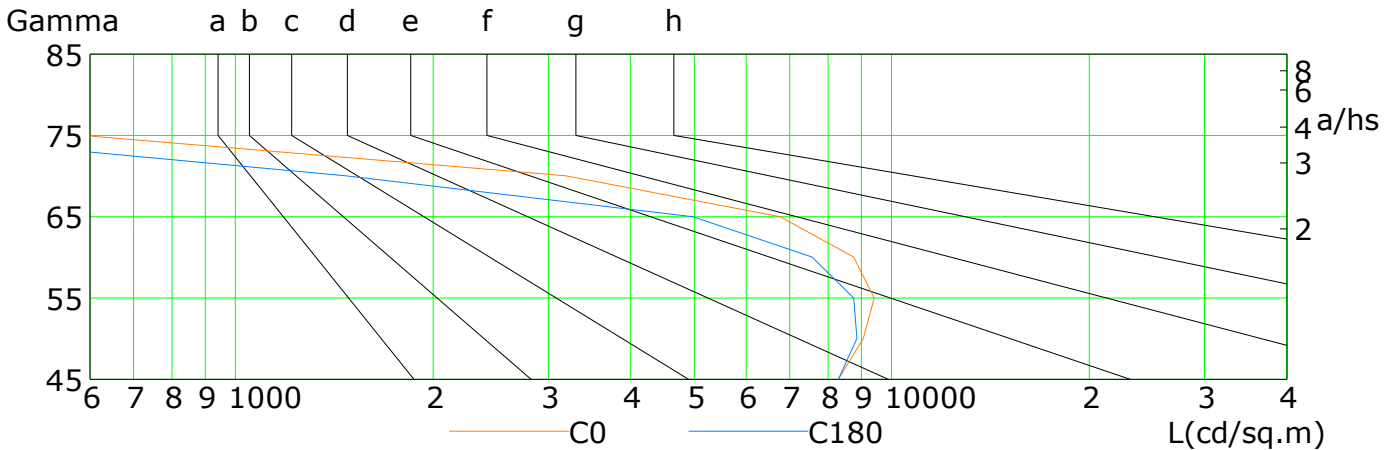
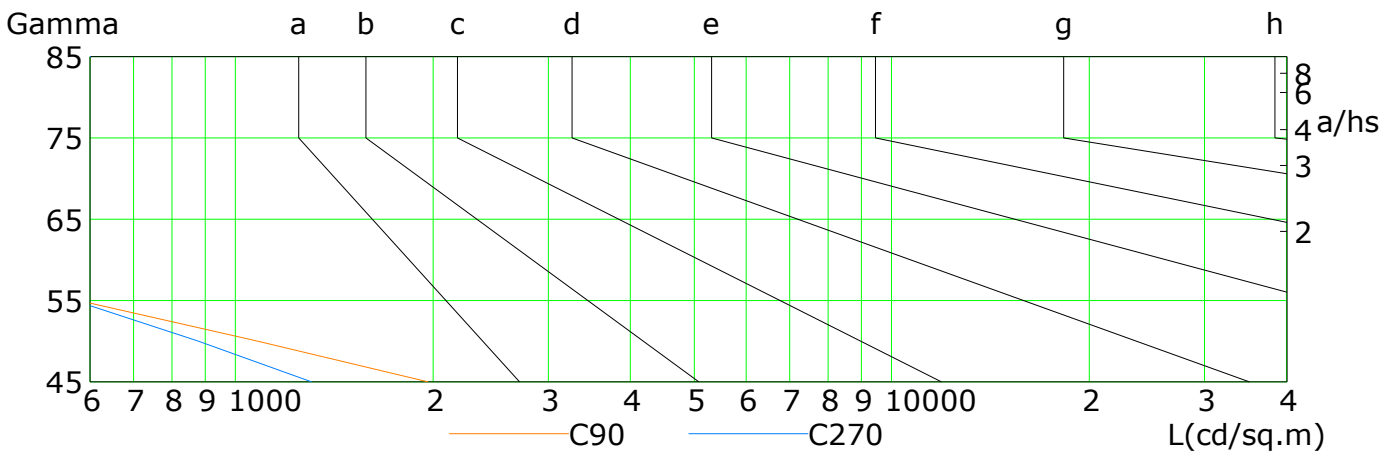
C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

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

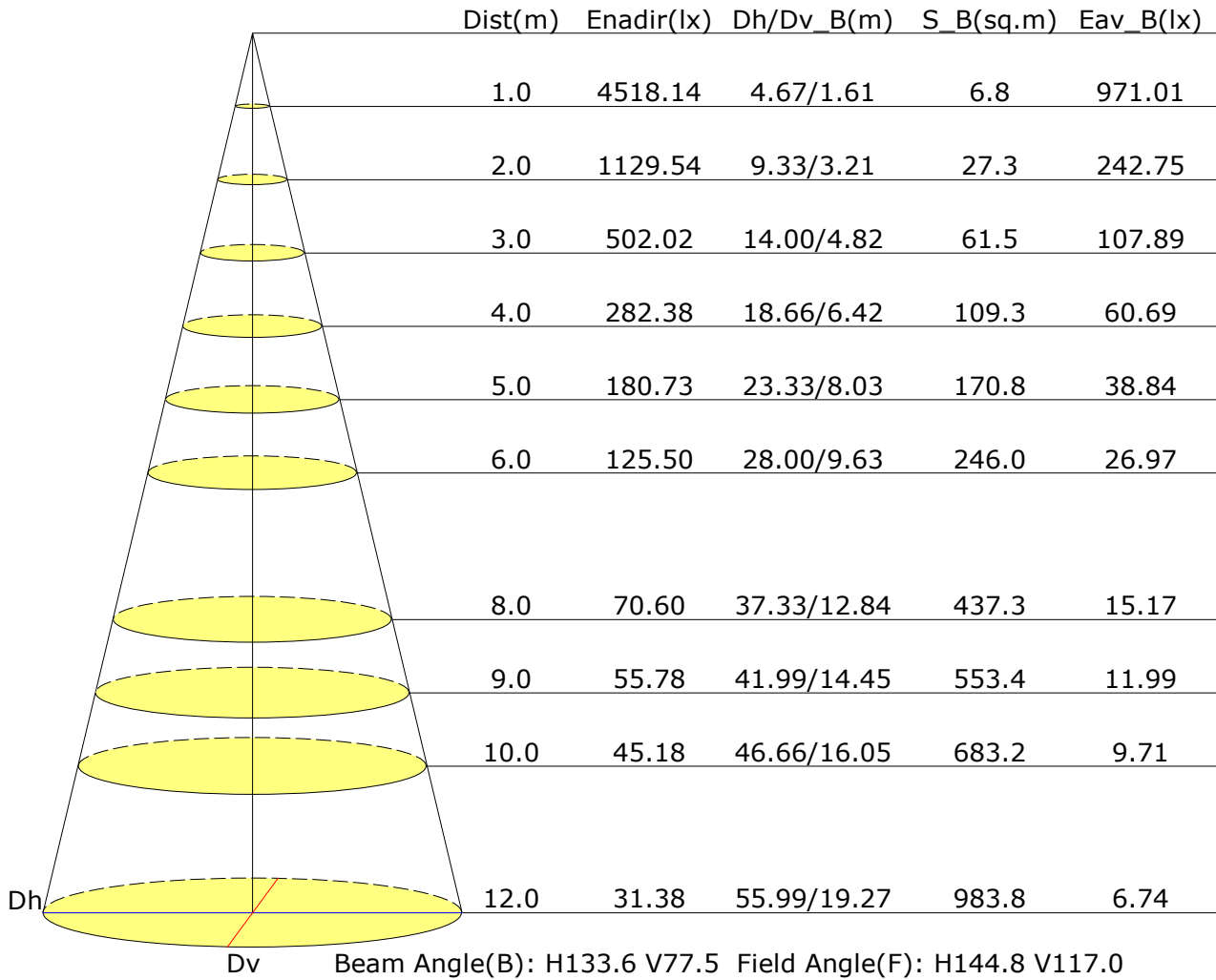


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8293	9056	9403	8751	6756	3183	587	198	51
C90	1967	1076	580	426	359	254	206	150	41
C180	8293	8844	8764	7557	4984	1473	324	118	29
C270	1307	875	570	447	380	264	200	123	0

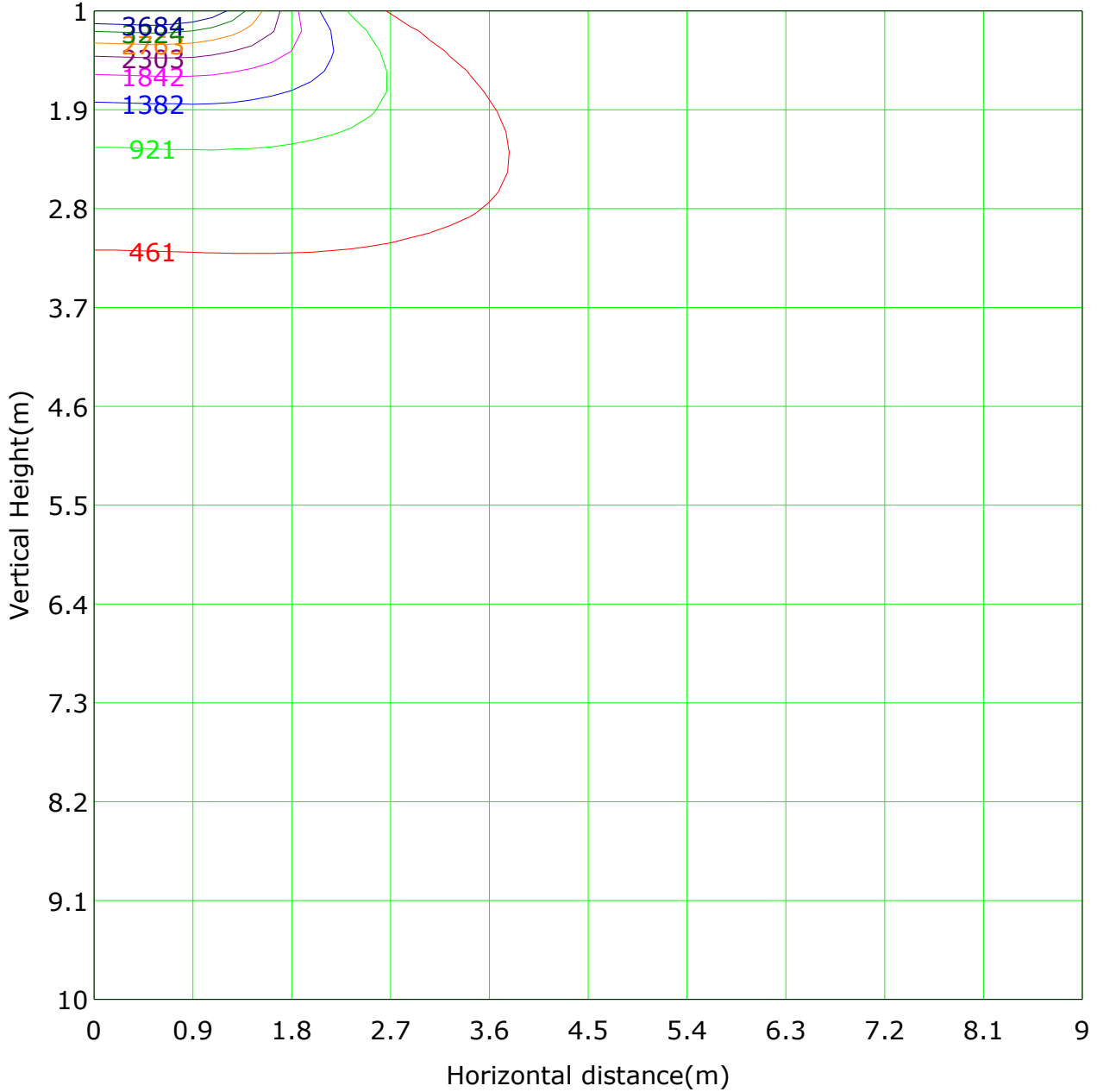
C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

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



## Vertical IsoLux Plot



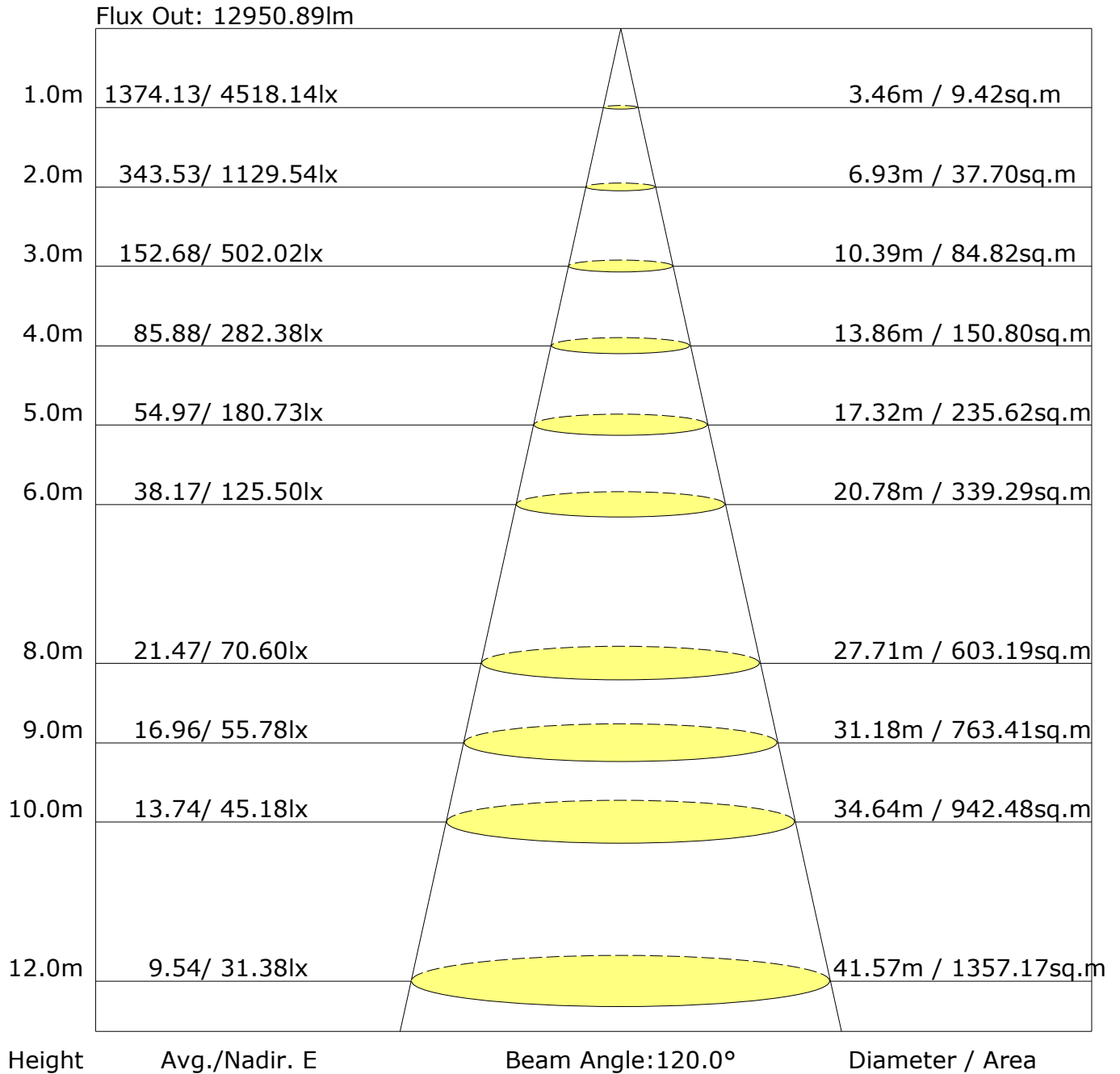
Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 4605.3 lx
— ( 10%): 460.5 lx	— ( 20%): 921.1 lx	
— ( 30%): 1381.6 lx	— ( 40%): 1842.1 lx	
— ( 50%): 2302.6 lx	— ( 60%): 2763.2 lx	
— ( 70%): 3223.7 lx	— ( 80%): 3684.2 lx	

C Plane (°): 0.0-360.0: 45.0  
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



C Plane (°):0.0-360.0: 45.0  
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	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 15231lm ( $\log(F/F_0) = 9.5$ ).

C Plane (°):0.0-360.0: 45.0  
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4519.3	4.3	4.3	0.03	0.03
1.0-2.0	4520.1	13.0	17.3	0.09	0.11
2.0-3.0	4520.5	21.6	38.9	0.14	0.26
3.0-4.0	4521.1	30.3	69.2	0.20	0.45
4.0-5.0	4522.6	38.9	108.1	0.26	0.71
5.0-6.0	4526.5	47.6	155.7	0.31	1.02
6.0-7.0	4530.3	56.2	211.9	0.37	1.39
7.0-8.0	4534.9	64.9	276.8	0.43	1.82
8.0-9.0	4540.1	73.6	350.4	0.48	2.30
9.0-10.0	4545.7	82.3	432.7	0.54	2.84
10.0-11.0	4552.4	91.0	523.7	0.60	3.44
11.0-12.0	4559.2	99.7	623.3	0.65	4.09
12.0-13.0	4567.3	108.4	731.8	0.71	4.80
13.0-14.0	4575.2	117.1	848.9	0.77	5.57
14.0-15.0	4582.1	125.8	974.7	0.83	6.40
15.0-16.0	4590.8	134.5	1109.2	0.88	7.28
16.0-17.0	4601.4	143.3	1252.5	0.94	8.22
17.0-18.0	4611.7	152.1	1404.6	1.00	9.22
18.0-19.0	4620.9	160.8	1565.4	1.06	10.28
19.0-20.0	4630.8	169.5	1734.9	1.11	11.39
20.0-21.0	4641.3	178.2	1913.2	1.17	12.56
21.0-22.0	4650.8	186.9	2100.1	1.23	13.79
22.0-23.0	4660.6	195.6	2295.7	1.28	15.07
23.0-24.0	4669.8	204.2	2499.9	1.34	16.41
24.0-25.0	4677.5	212.7	2712.6	1.40	17.81
25.0-26.0	4684.6	221.2	2933.7	1.45	19.26
26.0-27.0	4689.6	229.5	3163.2	1.51	20.77
27.0-28.0	4691.5	237.6	3400.8	1.56	22.33
28.0-29.0	4691.4	245.5	3646.2	1.61	23.94
29.0-30.0	4690.6	253.3	3899.5	1.66	25.60
30.0-31.0	4686.8	260.9	4160.4	1.71	27.31
31.0-32.0	4680.0	268.2	4428.5	1.76	29.07
32.0-33.0	4670.9	275.2	4703.7	1.81	30.88
33.0-34.0	4658.0	281.9	4985.7	1.85	32.73
34.0-35.0	4642.4	288.4	5274.0	1.89	34.63
35.0-36.0	4624.1	294.5	5568.5	1.93	36.56

C Plane (°):0.0-360.0: 45.0  
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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	4601.3	300.1	5868.6	1.97	38.53
37.0-38.0	4575.5	305.4	6174.1	2.01	40.53
38.0-39.0	4545.3	310.3	6484.4	2.04	42.57
39.0-40.0	4510.0	314.6	6798.9	2.07	44.64
40.0-41.0	4470.6	318.4	7117.3	2.09	46.73
41.0-42.0	4427.8	321.7	7439.1	2.11	48.84
42.0-43.0	4381.2	324.6	7763.7	2.13	50.97
43.0-44.0	4327.1	326.6	8090.3	2.14	53.12
44.0-45.0	4269.0	328.1	8418.4	2.15	55.27
45.0-46.0	4204.9	328.9	8747.3	2.16	57.43
46.0-47.0	4133.0	328.8	9076.1	2.16	59.59
47.0-48.0	4055.9	327.9	9404.0	2.15	61.74
48.0-49.0	3972.0	326.2	9730.2	2.14	63.88
49.0-50.0	3882.6	323.8	10054.0	2.13	66.01
50.0-51.0	3787.6	320.5	10374.5	2.10	68.11
51.0-52.0	3683.5	316.1	10690.6	2.08	70.19
52.0-53.0	3569.2	310.5	11001.1	2.04	72.23
53.0-54.0	3448.9	304.0	11305.1	2.00	74.22
54.0-55.0	3325.0	296.8	11602.0	1.95	76.17
55.0-56.0	3196.1	288.8	11890.8	1.90	78.07
56.0-57.0	3061.4	279.9	12170.8	1.84	79.91
57.0-58.0	2924.9	270.5	12441.3	1.78	81.68
58.0-59.0	2783.9	260.3	12701.6	1.71	83.39
59.0-60.0	2638.5	249.3	12950.9	1.64	85.03
60.0-61.0	2493.2	238.0	13188.8	1.56	86.59
61.0-62.0	2343.7	225.9	13414.7	1.48	88.07
62.0-63.0	2188.7	212.9	13627.6	1.40	89.47
63.0-64.0	2030.8	199.3	13826.9	1.31	90.78
64.0-65.0	1866.5	184.7	14011.7	1.21	91.99
65.0-66.0	1695.1	169.1	14180.8	1.11	93.10
66.0-67.0	1512.4	152.1	14332.9	1.00	94.10
67.0-68.0	1312.2	132.9	14465.8	0.87	94.97
68.0-69.0	1108.2	113.1	14578.9	0.74	95.72
69.0-70.0	909.1	93.4	14672.3	0.61	96.33
70.0-71.0	726.6	75.1	14747.4	0.49	96.82
71.0-72.0	575.1	59.8	14807.2	0.39	97.21

C Plane (°):0.0-360.0: 45.0  
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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	456.1	47.7	14854.9	0.31	97.53
73.0-74.0	371.5	39.1	14894.0	0.26	97.78
74.0-75.0	313.1	33.1	14927.1	0.22	98.00
75.0-76.0	270.1	28.7	14955.7	0.19	98.19
76.0-77.0	234.7	25.0	14980.8	0.16	98.35
77.0-78.0	203.2	21.8	15002.5	0.14	98.50
78.0-79.0	175.8	18.9	15021.4	0.12	98.62
79.0-80.0	150.8	16.3	15037.7	0.11	98.73
80.0-81.0	127.4	13.8	15051.5	0.09	98.82
81.0-82.0	105.9	11.5	15062.9	0.08	98.89
82.0-83.0	84.5	9.2	15072.1	0.06	98.95
83.0-84.0	62.3	6.8	15078.9	0.04	99.00
84.0-85.0	41.7	4.6	15083.5	0.03	99.03
85.0-86.0	25.9	2.8	15086.3	0.02	99.05
86.0-87.0	14.6	1.6	15087.9	0.01	99.06
87.0-88.0	6.7	0.7	15088.6	0.00	99.06
88.0-89.0	3.3	0.4	15089.0	0.00	99.06
89.0-90.0	2.9	0.3	15089.3	0.00	99.07
90.0-91.0	3.1	0.3	15089.6	0.00	99.07
91.0-92.0	3.7	0.4	15090.0	0.00	99.07
92.0-93.0	4.3	0.5	15090.5	0.00	99.07
93.0-94.0	4.6	0.5	15091.0	0.00	99.08
94.0-95.0	5.2	0.6	15091.6	0.00	99.08
95.0-96.0	5.9	0.6	15092.2	0.00	99.09
96.0-97.0	6.3	0.7	15092.9	0.00	99.09
97.0-98.0	7.0	0.8	15093.7	0.01	99.10
98.0-99.0	8.2	0.9	15094.6	0.01	99.10
99.0-100.0	9.1	1.0	15095.5	0.01	99.11
100.0-101.0	9.6	1.0	15096.6	0.01	99.11
101.0-102.0	10.1	1.1	15097.7	0.01	99.12
102.0-103.0	10.6	1.1	15098.8	0.01	99.13
103.0-104.0	11.5	1.2	15100.0	0.01	99.14
104.0-105.0	12.4	1.3	15101.4	0.01	99.15
105.0-106.0	13.1	1.4	15102.7	0.01	99.15
106.0-107.0	13.7	1.4	15104.2	0.01	99.16
107.0-108.0	14.2	1.5	15105.7	0.01	99.17

C Plane (°):0.0-360.0: 45.0  
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	15.3	1.6	15107.3	0.01	99.18
109.0-110.0	16.2	1.7	15108.9	0.01	99.20
110.0-111.0	16.8	1.7	15110.7	0.01	99.21
111.0-112.0	17.4	1.8	15112.4	0.01	99.22
112.0-113.0	18.0	1.8	15114.3	0.01	99.23
113.0-114.0	18.6	1.9	15116.1	0.01	99.24
114.0-115.0	19.2	1.9	15118.0	0.01	99.26
115.0-116.0	19.7	2.0	15120.0	0.01	99.27
116.0-117.0	20.4	2.0	15122.0	0.01	99.28
117.0-118.0	21.1	2.0	15124.0	0.01	99.29
118.0-119.0	21.6	2.1	15126.1	0.01	99.31
119.0-120.0	22.2	2.1	15128.3	0.01	99.32
120.0-121.0	22.8	2.2	15130.4	0.01	99.34
121.0-122.0	23.4	2.2	15132.6	0.01	99.35
122.0-123.0	23.9	2.2	15134.8	0.01	99.37
123.0-124.0	24.5	2.2	15137.0	0.01	99.38
124.0-125.0	25.0	2.3	15139.3	0.01	99.40
125.0-126.0	25.5	2.3	15141.6	0.01	99.41
126.0-127.0	26.1	2.3	15143.9	0.02	99.43
127.0-128.0	26.6	2.3	15146.2	0.02	99.44
128.0-129.0	27.1	2.3	15148.5	0.02	99.46
129.0-130.0	27.7	2.3	15150.9	0.02	99.47
130.0-131.0	28.1	2.3	15153.2	0.02	99.49
131.0-132.0	28.6	2.3	15155.6	0.02	99.50
132.0-133.0	29.2	2.4	15157.9	0.02	99.52
133.0-134.0	29.6	2.4	15160.3	0.02	99.53
134.0-135.0	30.1	2.4	15162.6	0.02	99.55
135.0-136.0	30.6	2.4	15165.0	0.02	99.56
136.0-137.0	31.1	2.3	15167.3	0.02	99.58
137.0-138.0	31.6	2.3	15169.7	0.02	99.59
138.0-139.0	32.0	2.3	15172.0	0.02	99.61
139.0-140.0	32.4	2.3	15174.3	0.02	99.62
140.0-141.0	33.0	2.3	15176.6	0.02	99.64
141.0-142.0	33.5	2.3	15178.9	0.02	99.65
142.0-143.0	34.0	2.3	15181.2	0.01	99.67
143.0-144.0	34.6	2.3	15183.4	0.01	99.68

C Plane (°):0.0-360.0: 45.0  
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	35.1	2.2	15185.6	0.01	99.70
145.0-146.0	35.6	2.2	15187.9	0.01	99.71
146.0-147.0	36.1	2.2	15190.0	0.01	99.73
147.0-148.0	36.6	2.2	15192.2	0.01	99.74
148.0-149.0	37.1	2.1	15194.3	0.01	99.76
149.0-150.0	37.6	2.1	15196.4	0.01	99.77
150.0-151.0	38.1	2.1	15198.5	0.01	99.78
151.0-152.0	38.6	2.0	15200.5	0.01	99.80
152.0-153.0	39.1	2.0	15202.5	0.01	99.81
153.0-154.0	39.5	1.9	15204.4	0.01	99.82
154.0-155.0	39.8	1.9	15206.3	0.01	99.83
155.0-156.0	40.3	1.8	15208.1	0.01	99.85
156.0-157.0	40.7	1.8	15209.9	0.01	99.86
157.0-158.0	41.1	1.7	15211.6	0.01	99.87
158.0-159.0	41.4	1.7	15213.3	0.01	99.88
159.0-160.0	41.8	1.6	15214.9	0.01	99.89
160.0-161.0	42.1	1.5	15216.4	0.01	99.90
161.0-162.0	42.4	1.5	15217.9	0.01	99.91
162.0-163.0	42.7	1.4	15219.3	0.01	99.92
163.0-164.0	43.0	1.3	15220.7	0.01	99.93
164.0-165.0	43.3	1.3	15221.9	0.01	99.94
165.0-166.0	43.6	1.2	15223.1	0.01	99.95
166.0-167.0	43.9	1.1	15224.2	0.01	99.95
167.0-168.0	44.1	1.0	15225.3	0.01	99.96
168.0-169.0	44.3	1.0	15226.3	0.01	99.97
169.0-170.0	44.5	0.9	15227.1	0.01	99.97
170.0-171.0	44.6	0.8	15228.0	0.01	99.98
171.0-172.0	44.8	0.7	15228.7	0.00	99.98
172.0-173.0	45.0	0.6	15229.3	0.00	99.99
173.0-174.0	45.1	0.6	15229.9	0.00	99.99
174.0-175.0	45.3	0.5	15230.4	0.00	99.99
175.0-176.0	45.5	0.4	15230.8	0.00	100.00
176.0-177.0	45.6	0.3	15231.1	0.00	100.00
177.0-178.0	45.6	0.2	15231.3	0.00	100.00
178.0-179.0	45.7	0.1	15231.4	0.00	100.00
179.0-180.0	45.9	0.0	15231.5	0.00	100.00

C Plane (°):0.0-360.0: 45.0  
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°): 8418.41 lm

%lum = 55.3%

%lamp = 55.3%

cone flux(120°): 12950.89 lm

%lum = 85.0%

%lamp = 85.0%



## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	4518.1	4518.1	4518.1	4518.1	4518.1	4518.1	4518.1	4518.1	4518.1	
G1.0	4524.9	4537.8	4543.9	4536.7	4518.7	4503.6	4494.9	4503.5	4524.9	
G2.0	4528.8	4556.3	4560.4	4545.7	4523.7	4476.9	4470.2	4495.7	4528.8	
G3.0	4537.2	4582.1	4578.9	4560.3	4531.3	4461.2	4438.9	4480.5	4537.2	
G4.0	4545.9	4593.9	4588.7	4583.3	4543.6	4442.7	4405.2	4464.2	4545.9	
G5.0	4565.4	4609.9	4606.1	4601.5	4559.6	4428.4	4370.8	4453.0	4565.4	
G6.0	4585.0	4628.1	4612.6	4623.7	4588.7	4417.2	4328.2	4445.7	4585.0	
G7.0	4604.1	4650.3	4614.0	4646.7	4608.3	4400.6	4294.3	4437.0	4604.1	
G8.0	4629.3	4668.2	4617.6	4669.5	4645.2	4393.0	4250.6	4429.7	4629.3	
G9.0	4661.2	4677.5	4614.5	4695.6	4677.1	4382.1	4206.0	4424.9	4661.2	
G10.0	4698.4	4696.3	4611.4	4712.1	4724.1	4375.7	4153.3	4420.7	4698.4	
G11.0	4729.2	4714.5	4606.7	4739.4	4769.2	4361.6	4109.4	4417.1	4729.2	
G12.0	4779.3	4731.6	4594.3	4762.1	4813.4	4356.3	4050.2	4413.1	4779.3	
G13.0	4817.4	4756.8	4584.5	4789.4	4866.1	4355.2	3998.7	4408.1	4817.4	
G14.0	4864.9	4779.3	4565.8	4814.9	4909.2	4348.4	3936.5	4407.5	4864.9	
G15.0	4916.7	4800.3	4546.7	4839.9	4963.7	4343.1	3871.8	4405.0	4916.7	
G16.0	4971.0	4824.2	4528.8	4865.7	5029.0	4334.4	3806.2	4405.5	4971.0	
G17.0	5022.5	4854.4	4518.7	4895.8	5091.1	4322.9	3748.2	4403.3	5022.5	
G18.0	5085.2	4870.2	4494.6	4924.7	5153.5	4316.2	3682.1	4404.1	5085.2	
G19.0	5146.8	4896.8	4471.1	4945.5	5226.6	4311.7	3603.6	4401.9	5146.8	
G20.0	5211.5	4917.0	4449.5	4980.9	5298.5	4299.4	3533.3	4399.4	5211.5	
G21.0	5279.8	4944.2	4429.9	5003.0	5377.4	4281.7	3457.7	4397.7	5279.8	
G22.0	5364.0	4962.2	4405.5	5019.9	5455.0	4266.3	3377.5	4391.0	5364.0	
G23.0	5446.3	4980.4	4376.1	5048.0	5540.6	4246.9	3303.6	4386.7	5446.3	
G24.0	5532.8	5001.1	4347.5	5064.5	5630.7	4217.7	3224.8	4369.6	5532.8	
G25.0	5627.1	5021.9	4315.0	5084.4	5721.4	4187.7	3138.0	4355.6	5627.1	
G26.0	5717.8	5039.6	4279.1	5090.6	5823.0	4155.5	3059.0	4338.4	5717.8	
G27.0	5809.6	5052.2	4236.3	5104.1	5923.0	4116.8	2974.1	4314.9	5809.6	
G28.0	5912.0	5060.0	4188.9	5104.7	6023.4	4073.0	2881.6	4289.6	5912.0	
G29.0	6010.0	5070.4	4130.1	5097.4	6136.8	4031.2	2794.2	4259.0	6010.0	
G30.0	6132.9	5066.8	4075.2	5094.8	6248.8	3978.5	2697.3	4225.6	6132.9	
G31.0	6245.4	5062.9	3997.6	5080.5	6363.2	3929.1	2607.6	4182.6	6245.4	
G32.0	6368.8	5051.6	3929.8	5057.2	6471.3	3876.1	2518.8	4137.4	6368.8	
G33.0	6498.4	5038.2	3835.3	5037.0	6595.6	3814.7	2416.8	4087.2	6498.4	
G34.0	6622.7	5016.3	3740.9	5008.1	6719.3	3750.2	2323.8	4022.9	6622.7	
G35.0	6761.5	4979.3	3637.8	4967.4	6837.7	3691.3	2232.5	3966.7	6761.5	
G36.0	6901.8	4941.4	3524.9	4915.4	6967.3	3622.0	2134.4	3903.8	6901.8	

C Plane (°):0.0-360.0: 45.0  
 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	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	7044.5	4890.9	3390.1	4861.0	7102.7	3545.7	2041.7	3832.5	7044.5	
G38.0	7190.1	4844.6	3249.8	4789.1	7247.2	3473.3	1950.9	3754.2	7190.1	
G39.0	7323.0	4777.0	3107.4	4708.8	7385.7	3385.2	1862.9	3676.1	7323.0	
G40.0	7473.1	4711.1	2944.7	4621.5	7531.0	3302.2	1764.6	3585.4	7473.1	
G41.0	7620.8	4635.1	2759.7	4522.1	7672.6	3215.5	1675.7	3494.7	7620.8	
G42.0	7796.9	4551.0	2570.6	4407.0	7833.8	3110.9	1586.9	3391.4	7796.9	
G43.0	7955.0	4447.2	2383.7	4288.5	7989.2	3007.4	1487.5	3291.5	7955.0	
G44.0	8109.3	4336.4	2166.6	4152.9	8133.3	2902.2	1397.8	3185.3	8109.3	
G45.0	8293.4	4220.5	1967.1	3994.5	8293.2	2784.2	1306.7	3060.7	8293.4	
G46.0	8450.7	4069.1	1773.5	3835.0	8419.9	2650.1	1215.7	2943.9	8450.7	
G47.0	8609.7	3924.3	1568.2	3661.5	8550.7	2519.9	1119.3	2816.7	8609.7	
G48.0	8763.7	3756.6	1389.7	3449.0	8670.7	2386.1	1034.7	2674.3	8763.7	
G49.0	8918.7	3558.3	1224.1	3247.7	8768.1	2227.7	952.0	2530.0	8918.7	
G50.0	9056.4	3361.4	1075.9	3027.5	8844.0	2071.1	875.3	2382.9	9056.4	
G51.0	9191.6	3149.9	933.5	2801.0	8890.7	1919.1	797.1	2224.3	9191.6	
G52.0	9279.8	2924.7	824.8	2562.0	8916.5	1744.9	730.1	2046.0	9279.8	
G53.0	9362.4	2668.9	731.0	2289.1	8893.5	1589.8	665.7	1877.8	9362.4	
G54.0	9397.6	2429.0	643.6	2043.7	8851.0	1417.9	614.2	1707.9	9397.6	
G55.0	9402.7	2186.1	579.7	1798.3	8763.7	1267.8	570.4	1526.5	9402.7	
G56.0	9360.4	1941.0	527.9	1549.0	8637.4	1123.1	534.0	1368.7	9360.4	
G57.0	9290.4	1677.3	485.6	1332.8	8444.9	989.6	502.9	1217.1	9290.4	
G58.0	9182.1	1452.1	459.5	1141.9	8215.6	859.7	480.8	1065.5	9182.1	
G59.0	8982.3	1244.5	440.7	954.9	7904.9	754.8	464.0	939.7	8982.3	
G60.0	8751.1	1045.7	425.9	810.3	7557.0	665.6	447.4	827.4	8751.1	
G61.0	8472.0	887.7	414.9	689.8	7154.2	585.7	434.6	721.6	8472.0	
G62.0	8135.6	755.9	404.0	591.0	6660.5	528.7	422.5	640.4	8135.6	
G63.0	7703.7	644.0	391.7	513.0	6162.8	483.8	407.9	573.9	7703.7	
G64.0	7258.4	544.7	377.4	447.6	5627.4	446.5	395.0	515.2	7258.4	
G65.0	6756.5	473.7	358.9	402.6	4983.6	421.3	379.6	475.1	6756.5	
G66.0	6201.7	421.6	338.5	368.1	4335.6	400.5	360.6	443.1	6201.7	
G67.0	5521.6	380.1	314.1	343.4	3631.4	382.9	340.1	415.5	5521.6	
G68.0	4824.1	353.1	282.7	321.2	2806.6	367.4	314.6	396.4	4824.1	
G69.0	4059.7	333.2	266.2	304.4	2084.1	353.7	284.1	380.4	4059.7	
G70.0	3183.0	315.6	254.1	288.9	1472.8	337.4	264.2	364.2	3183.0	
G71.0	2400.7	301.0	243.5	273.2	1005.1	323.1	249.1	349.6	2400.7	
G72.0	1727.5	286.4	234.2	258.9	670.1	308.3	235.9	334.4	1727.5	
G73.0	1170.5	270.7	225.3	244.0	497.4	291.7	223.9	318.4	1170.5	

C Plane (°):0.0-360.0: 45.0  
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	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	813.7	256.1	215.2	228.8	396.1	276.3	212.9	302.7	813.7	
G75.0	587.0	241.2	206.2	209.7	323.8	254.4	200.0	286.1	587.0	
G76.0	448.4	223.3	197.5	187.3	275.7	226.4	187.2	268.1	448.4	
G77.0	349.6	198.9	187.4	164.0	235.1	194.1	174.0	238.7	349.6	
G78.0	287.2	173.9	177.4	144.9	197.6	164.7	158.9	205.5	287.2	
G79.0	241.3	152.9	166.1	128.9	161.2	138.3	140.9	173.0	241.3	
G80.0	198.2	137.4	150.2	116.5	117.8	118.9	123.3	147.1	198.2	
G81.0	150.3	122.0	131.1	104.2	93.2	99.3	102.8	126.3	150.3	
G82.0	114.8	109.4	110.4	87.3	74.7	80.5	80.4	107.3	114.8	
G83.0	88.4	92.8	87.4	62.9	58.5	56.7	54.1	86.5	88.4	
G84.0	68.3	67.6	64.4	39.3	43.7	40.7	26.3	59.0	68.3	
G85.0	51.5	40.9	41.5	25.0	29.1	28.6	0.0	41.8	51.5	
G86.0	35.0	25.5	22.4	12.9	13.7	16.8	0.0	28.9	35.0	
G87.0	21.0	13.5	6.7	0.0	12.0	7.6	0.0	17.4	21.0	
G88.0	10.4	0.0	0.0	0.0	12.6	0.0	0.0	6.5	10.4	
G89.0	10.1	0.0	0.0	0.0	12.9	0.0	0.0	0.0	10.1	
G90.0	10.1	0.0	0.0	0.0	13.7	0.0	0.0	0.0	10.1	
G91.0	10.9	0.0	0.0	0.0	14.5	0.0	0.0	0.0	10.9	
G92.0	12.0	0.0	0.0	0.0	15.4	6.2	0.0	0.0	12.0	
G93.0	12.9	0.0	0.0	0.0	16.5	6.2	0.0	0.0	12.9	
G94.0	13.7	0.0	0.0	0.0	16.8	6.7	0.0	0.0	13.7	
G95.0	14.8	0.0	0.0	0.0	17.6	7.0	0.0	6.2	14.8	
G96.0	16.0	0.0	0.0	0.0	18.2	7.9	0.0	6.7	16.0	
G97.0	16.5	0.0	0.0	0.0	19.3	8.7	0.0	7.3	16.5	
G98.0	17.6	5.6	0.0	0.0	19.9	9.3	0.0	8.1	17.6	
G99.0	18.5	6.5	0.0	6.2	20.7	10.1	0.0	8.7	18.5	
G100.0	19.3	6.5	0.0	6.2	22.1	10.9	0.0	9.5	19.3	
G101.0	20.2	7.0	0.0	6.7	22.7	12.1	0.0	10.1	20.2	
G102.0	21.0	7.9	0.0	7.3	23.2	12.6	0.0	10.9	21.0	
G103.0	21.8	8.1	0.0	7.9	24.3	13.5	0.0	11.2	21.8	
G104.0	22.7	8.4	0.0	8.7	25.2	14.0	5.6	12.4	22.7	
G105.0	23.5	9.3	0.0	9.0	26.0	14.9	6.2	13.2	23.5	
G106.0	24.3	10.1	0.0	9.8	26.9	15.7	6.7	13.8	24.3	
G107.0	25.2	10.7	0.0	10.4	27.2	16.3	7.0	14.9	25.2	
G108.0	25.8	11.2	0.0	11.2	27.7	17.4	7.6	15.4	25.8	
G109.0	26.6	12.3	5.6	11.5	28.6	18.5	8.4	16.6	26.6	
G110.0	27.2	12.9	5.9	12.4	28.3	19.1	9.0	17.1	27.2	

C Plane (°):0.0-360.0: 45.0  
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	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	27.2	13.5	6.4	13.2	29.1	19.6	9.5	18.0	27.2	
G112.0	28.3	14.3	7.0	14.3	29.4	20.5	9.8	18.5	28.3	
G113.0	29.1	14.6	7.0	14.9	30.2	21.0	10.6	19.1	29.1	
G114.0	29.4	15.2	7.3	15.7	30.5	21.9	11.2	20.2	29.4	
G115.0	29.4	15.2	7.8	16.6	31.1	22.7	11.8	20.8	29.4	
G116.0	29.9	16.0	8.4	17.4	31.3	23.6	12.3	21.6	29.9	
G117.0	30.8	17.1	9.0	18.0	31.9	24.4	12.9	22.2	30.8	
G118.0	31.3	18.0	9.2	18.5	32.2	25.0	14.0	22.7	31.3	
G119.0	31.6	18.5	9.8	19.1	32.5	25.5	14.6	23.6	31.6	
G120.0	31.6	19.1	10.4	19.9	33.0	26.4	15.4	24.1	31.6	
G121.0	32.5	19.9	10.9	20.5	33.6	27.2	16.0	25.0	32.5	
G122.0	32.5	20.8	11.2	21.1	33.6	27.5	16.8	25.6	32.5	
G123.0	33.0	21.0	11.8	21.9	34.4	28.1	17.7	26.1	33.0	
G124.0	33.3	21.6	12.3	22.5	34.1	28.9	17.9	26.7	33.3	
G125.0	33.6	22.4	12.9	23.3	34.4	29.7	18.8	27.0	33.6	
G126.0	33.9	23.3	13.4	24.1	34.4	30.3	19.3	27.8	33.9	
G127.0	33.6	23.8	14.3	24.7	35.0	30.9	20.2	28.4	33.6	
G128.0	34.1	24.1	14.6	25.6	35.0	31.1	21.0	29.2	34.1	
G129.0	34.4	24.7	15.4	26.1	35.3	31.7	21.6	29.8	34.4	
G130.0	34.7	25.5	16.3	26.7	35.6	32.5	22.7	29.8	34.7	
G131.0	35.0	25.5	16.5	27.0	35.6	32.8	23.0	30.3	35.0	
G132.0	35.8	26.4	17.4	27.8	36.4	33.1	23.8	30.9	35.8	
G133.0	35.8	27.2	17.9	28.4	36.7	33.9	24.1	31.2	35.8	
G134.0	35.8	27.2	18.5	29.2	37.5	34.2	24.7	31.4	35.8	
G135.0	36.1	27.8	19.3	29.8	38.1	34.5	25.5	31.7	36.1	
G136.0	36.7	28.6	19.9	30.0	38.3	35.1	26.1	32.3	36.7	
G137.0	36.9	28.6	20.5	30.6	39.2	35.3	26.6	32.6	36.9	
G138.0	37.2	28.9	21.3	31.2	40.0	35.9	27.5	32.6	37.2	
G139.0	37.5	28.9	21.6	31.7	40.6	36.2	28.0	32.6	37.5	
G140.0	38.3	29.2	22.4	32.3	41.4	36.5	28.6	33.1	38.3	
G141.0	38.9	29.5	23.3	32.6	42.5	36.7	29.1	33.7	38.9	
G142.0	39.2	30.3	24.1	33.1	43.1	37.0	29.4	33.7	39.2	
G143.0	39.5	30.6	24.7	33.7	43.7	37.9	30.0	34.5	39.5	
G144.0	40.3	31.4	25.2	34.5	44.5	38.1	30.3	34.5	40.3	
G145.0	40.6	32.0	26.1	34.5	45.1	38.7	30.8	34.8	40.6	
G146.0	41.1	32.5	26.6	35.1	45.6	39.0	31.4	35.4	41.1	
G147.0	41.7	32.8	27.5	35.9	45.9	39.5	31.9	35.9	41.7	

C Plane (°):0.0-360.0: 45.0  
 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	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	42.5	33.4	27.7	36.2	46.2	39.8	32.5	36.5	42.5	
G149.0	43.1	33.7	28.3	36.8	46.7	39.5	33.3	37.1	43.1	
G150.0	43.4	33.9	29.1	37.1	47.0	40.7	33.6	37.6	43.4	
G151.0	43.9	34.2	30.0	37.9	47.6	41.2	34.5	38.2	43.9	
G152.0	44.2	34.2	30.5	38.2	47.9	41.8	35.3	38.7	44.2	
G153.0	44.8	34.8	31.4	38.2	48.1	42.1	35.6	39.3	44.8	
G154.0	45.1	35.1	32.2	38.5	47.9	42.4	36.4	39.6	45.1	
G155.0	45.3	36.2	32.5	38.7	47.9	42.6	37.0	40.1	45.3	
G156.0	45.6	36.7	33.1	39.6	47.9	42.9	37.8	40.7	45.6	
G157.0	45.6	37.0	33.9	39.9	47.9	43.2	38.4	41.6	45.6	
G158.0	45.9	37.6	34.5	40.1	47.6	43.5	38.9	41.6	45.9	
G159.0	45.9	37.6	35.3	40.7	47.3	44.0	39.5	42.1	45.9	
G160.0	46.2	38.4	35.6	41.0	47.6	44.6	40.3	42.7	46.2	
G161.0	46.2	38.7	36.1	41.6	47.3	44.3	40.6	42.7	46.2	
G162.0	46.5	39.0	36.4	41.8	47.6	44.6	41.2	43.5	46.5	
G163.0	46.7	39.8	37.3	41.8	47.3	44.6	42.0	43.8	46.7	
G164.0	46.5	39.8	37.8	42.4	47.0	45.2	42.0	44.4	46.5	
G165.0	46.5	40.4	38.4	42.7	47.0	45.2	42.6	44.4	46.5	
G166.0	46.7	40.9	38.9	43.2	47.6	45.7	43.1	44.6	46.7	
G167.0	46.7	41.2	39.2	43.5	47.3	45.4	43.4	44.9	46.7	
G168.0	46.7	41.5	39.5	43.8	46.7	46.0	44.0	44.9	46.7	
G169.0	46.5	42.4	40.1	44.1	47.0	45.7	44.6	45.5	46.5	
G170.0	46.5	42.4	40.6	44.1	46.5	45.7	44.8	45.2	46.5	
G171.0	45.6	42.9	40.9	44.6	47.0	46.3	44.8	45.8	45.6	
G172.0	46.2	43.5	41.7	44.6	45.9	45.4	45.1	45.8	46.2	
G173.0	46.7	44.0	42.0	44.6	46.2	46.0	45.4	46.0	46.7	
G174.0	46.5	44.0	42.3	44.9	46.2	46.0	45.4	45.8	46.5	
G175.0	46.7	44.9	42.9	44.6	45.9	46.6	45.4	46.0	46.7	
G176.0	46.7	44.3	44.0	45.2	46.2	46.0	45.4	46.3	46.7	
G177.0	46.7	44.9	44.0	45.2	46.5	46.0	45.7	45.8	46.7	
G178.0	47.0	45.2	44.3	45.2	46.2	46.0	45.7	45.8	47.0	
G179.0	47.0	44.9	44.8	45.5	46.5	46.0	45.7	45.5	47.0	
G180.0	47.0	46.0	44.6	45.8	47.0	46.0	45.7	45.8	47.0	

C Plane (°):0.0-360.0: 45.0  
 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 <sup>2</sup>
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