杭州创惠仪器有限公司
http://www.inventfine.com.cn
Tel:86-571-88091262
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Report No.: Test Time: 2026-01-08 16:38

Luminaire Property

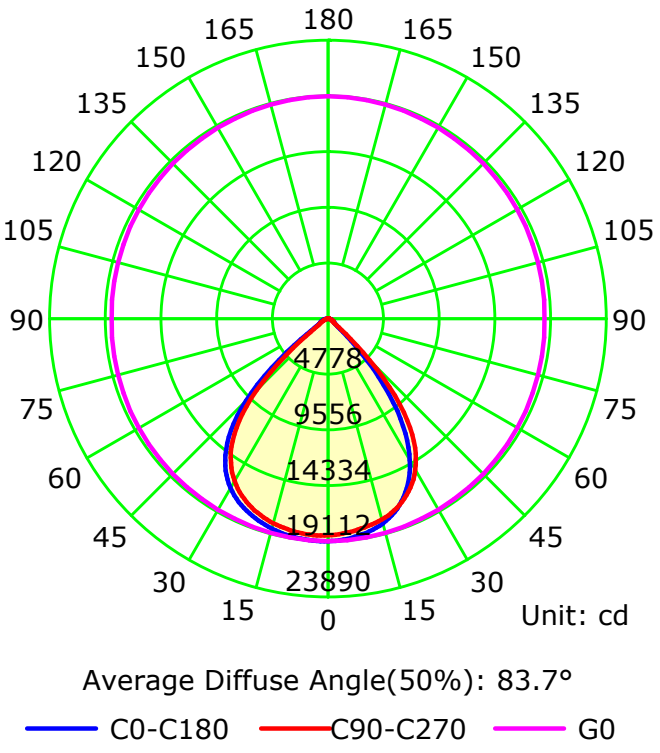
Luminaire Manufacturer:
Voltage: 229.6 V Current: 0.887 A
Power: 196.69 W Power Factor: 0.966

Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 30163.9 lm
Measurement Flux: 30163.9 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 102.5, 102.6, 102.7, 104.5
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 82.9, 84.5, 83.8, 83.3
Luminaire Efficacy Rating (LER): 153.41 Central Intensity: 19112.75 cd
Max. Intensity: 19112.75 cd Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.19 S/MH(C90/C270): 1.23

Picture Of Luminaire

Luminous Intensity Distribution Curve

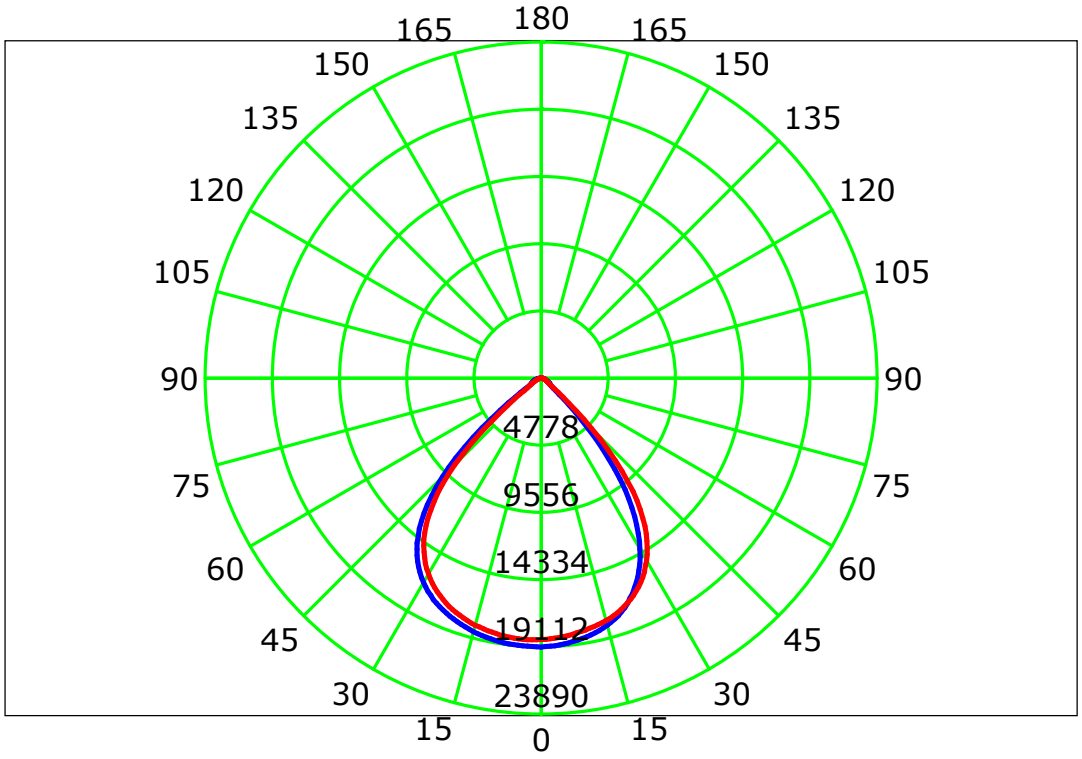


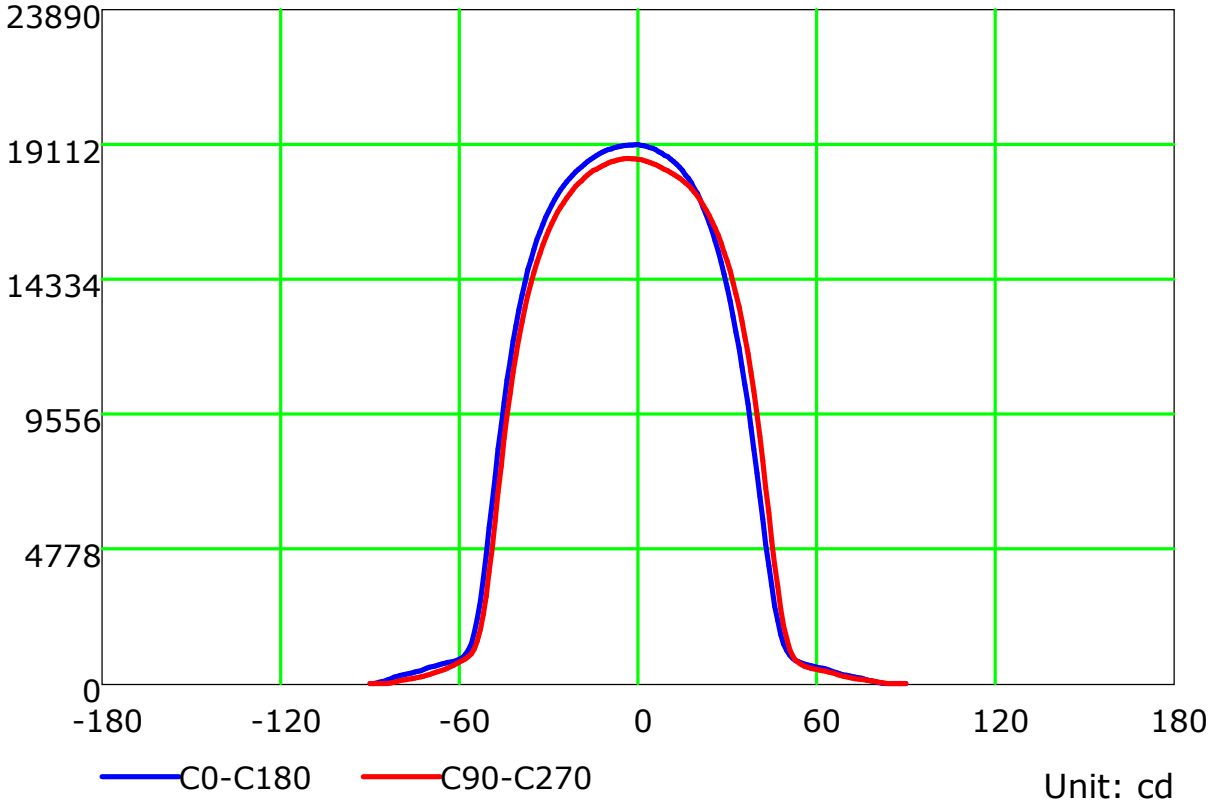
Average Diffuse Angle(50%): 83.7°

C0-C180 C90-C270 G0

C Plane (°):0.0-360.0: 90.0 Gamma Plane (°):0.0-90.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 6.500 m
Temperature: Humidity:
Operator: Inspector:

Luminous Intensity Distribution Curve

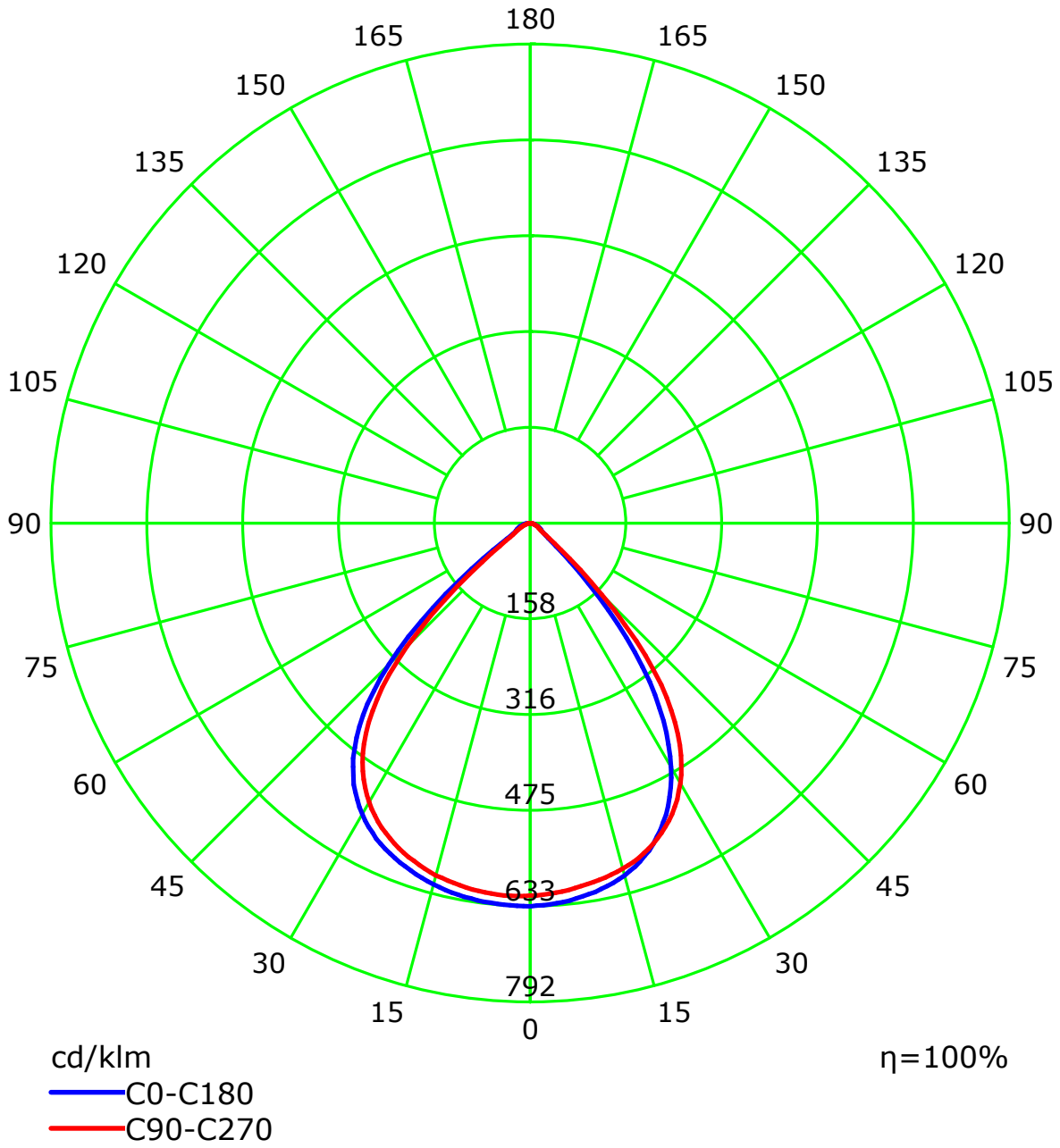




C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.500 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:

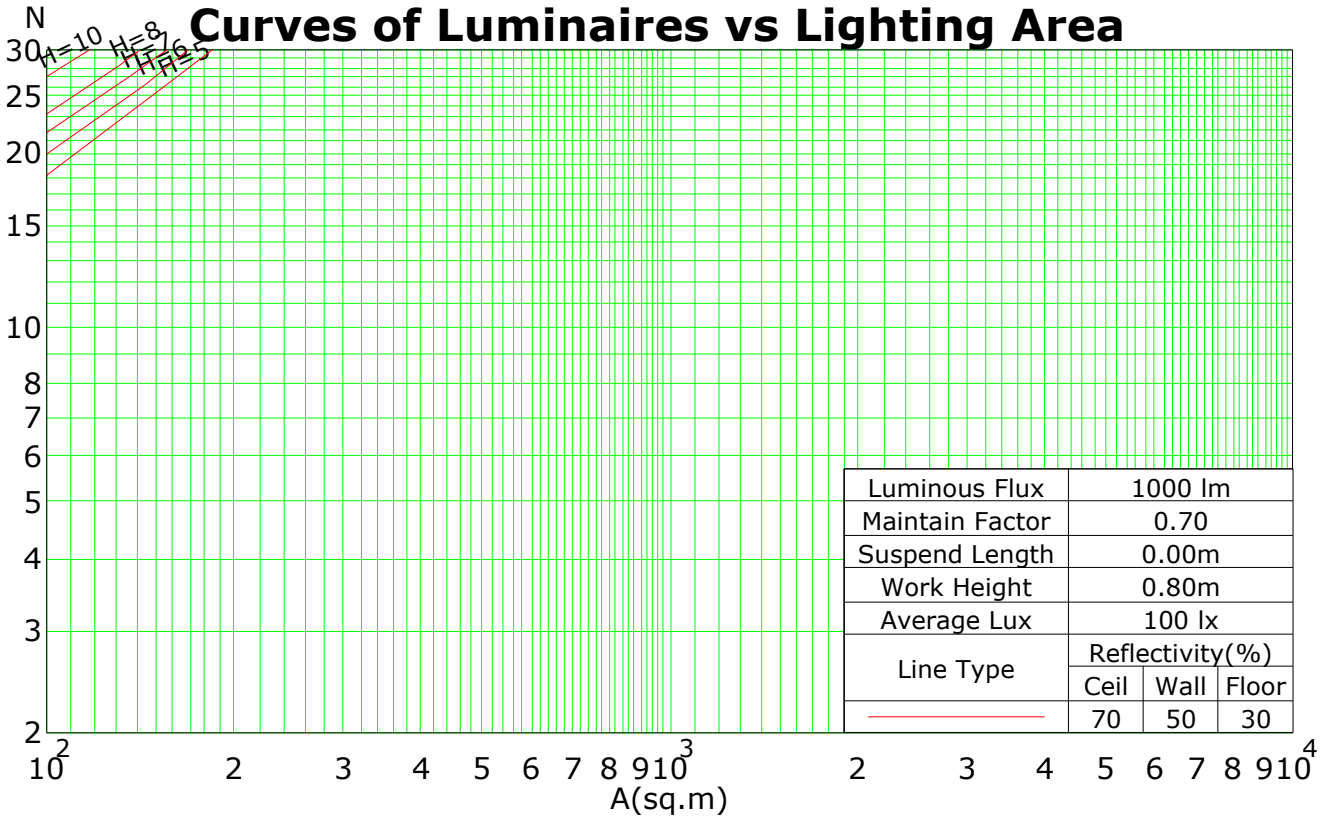
Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.500 m
Humidity:
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
8	72	60	53	48	70	60	53	48	59	52	48	57	52	48	56	51	48	46
9	67	56	49	44	66	56	49	44	55	48	44	54	48	44	53	48	44	42
10	64	52	45	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

Spacing Criteria (0-180): 1.19
Spacing Criteria (90-270): 1.23
Spacing Criteria (Diagonal): 1.19

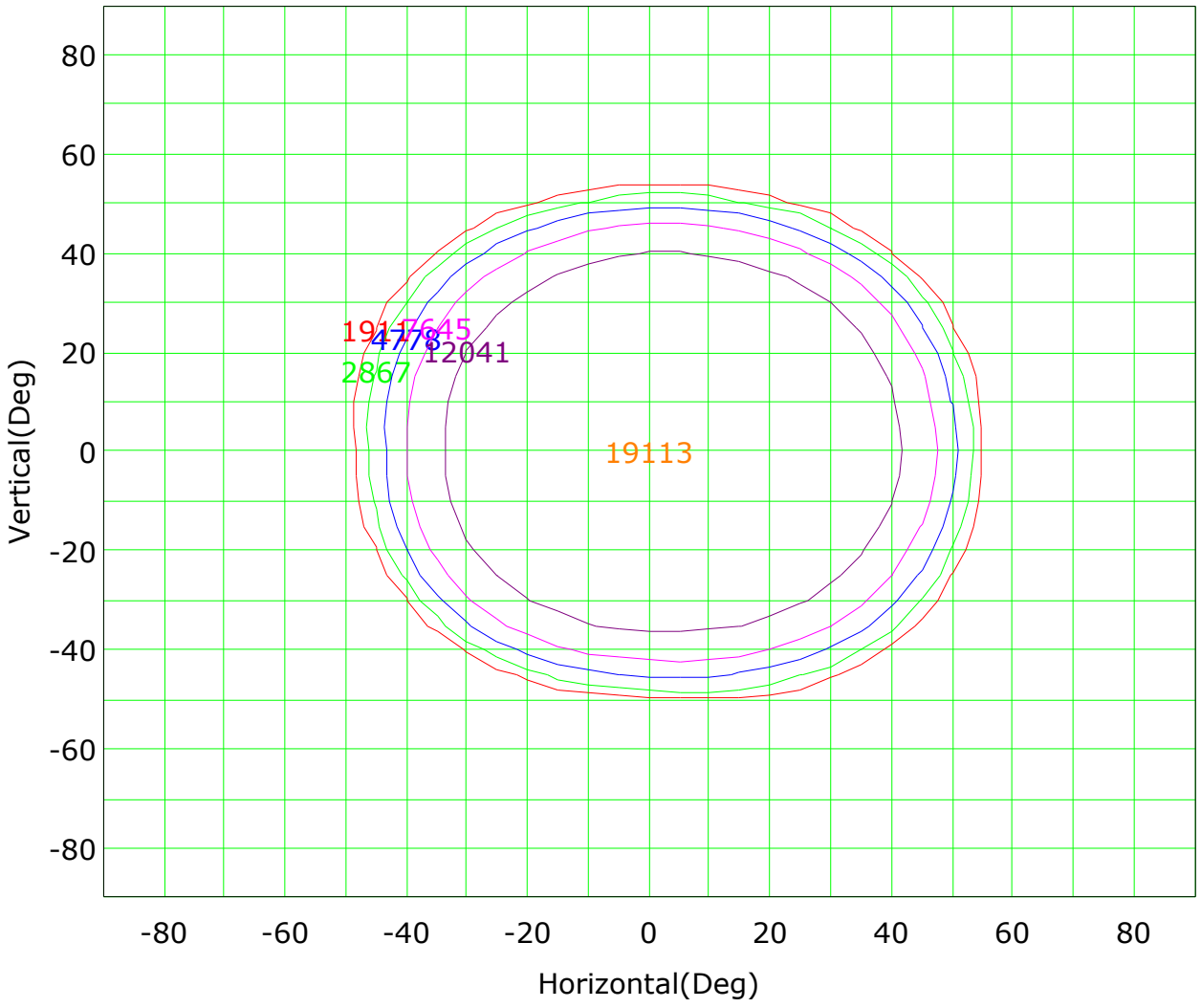
Curves of Luminaires vs Lighting Area



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: 6.500 m
Humidity:
Inspector:

Isocandela (rectangle)



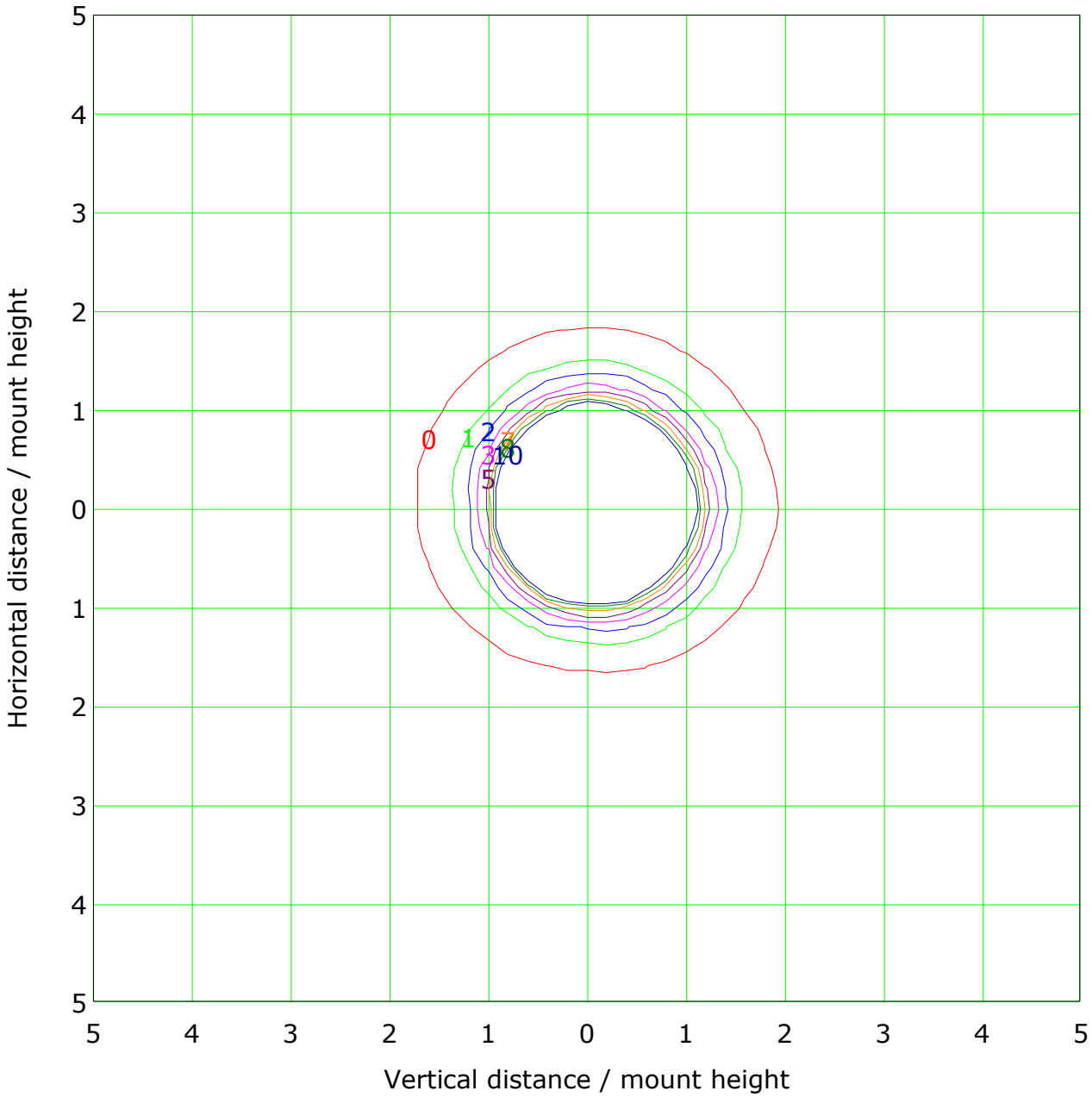
Imax (100%): 19113 cd

(10%): 1911 cd
(15%): 2867 cd
(25%): 4778 cd
(40%): 7645 cd
(63%): 12041 cd
(100%): 19113 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: 6.500 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 15.0m Max Lux(100%): 84.9 lx

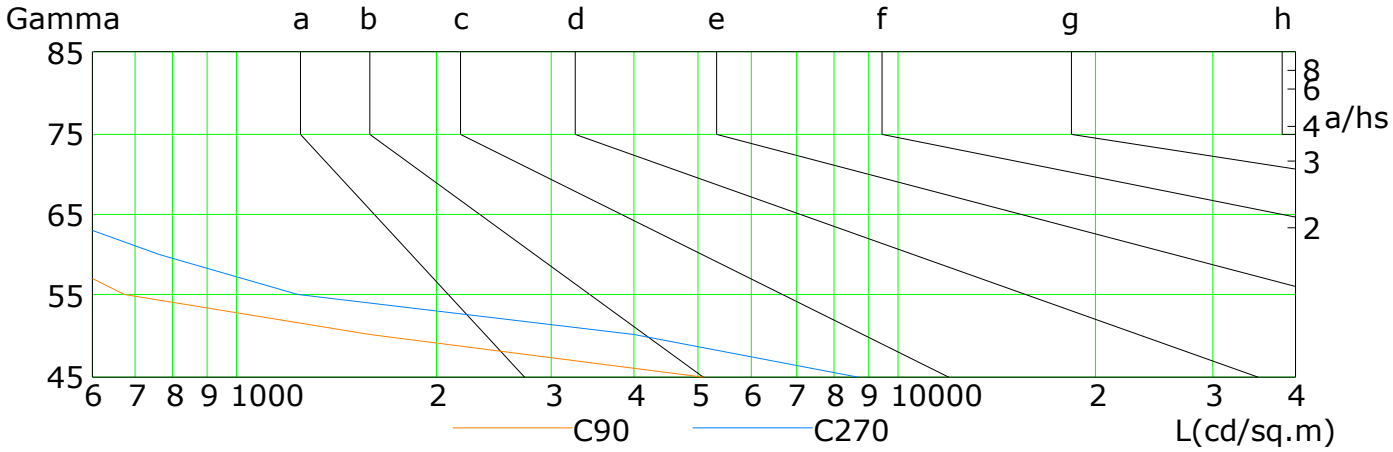
(0%): 0.3 lx	(1%): 0.8 lx
(2%): 1.7 lx	(4%): 3.4 lx
(6%): 5.1 lx	(8%): 6.8 lx
(10%): 8.5 lx	(12%): 10.2 lx

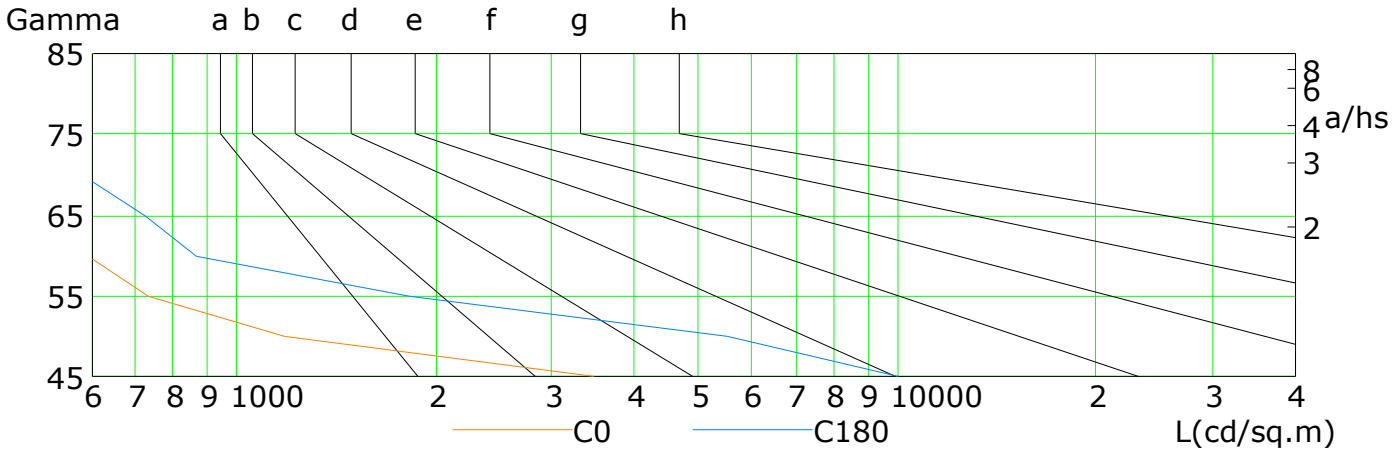
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.500 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
		a	b	c	d	e	f	g	h



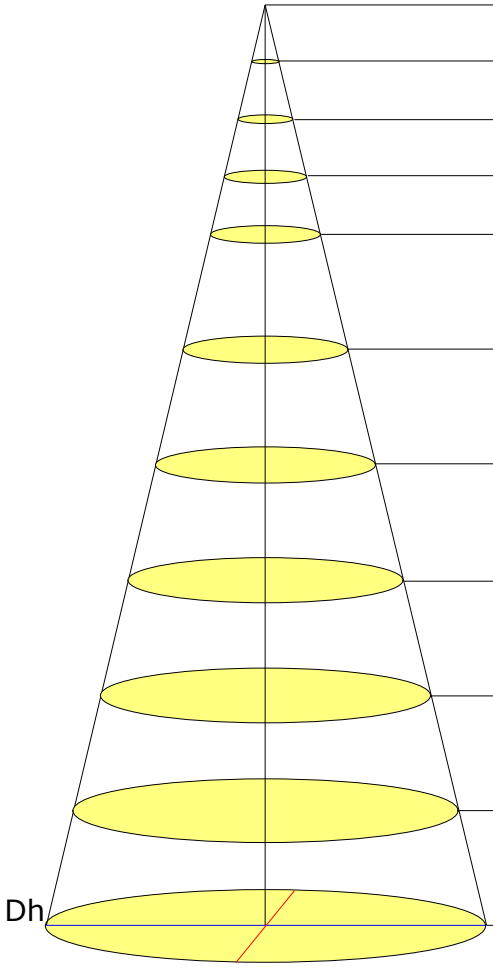


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3476	1179	729	587	448	297	196	54	0
C90	5062	1591	672	506	396	242	148	72	0
C180	9973	5516	1822	868	724	581	410	285	100
C270	8694	3972	1234	764	505	324	196	109	0

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: 6.500 m
Humidity:
Inspector:

Illuminance at a Distance



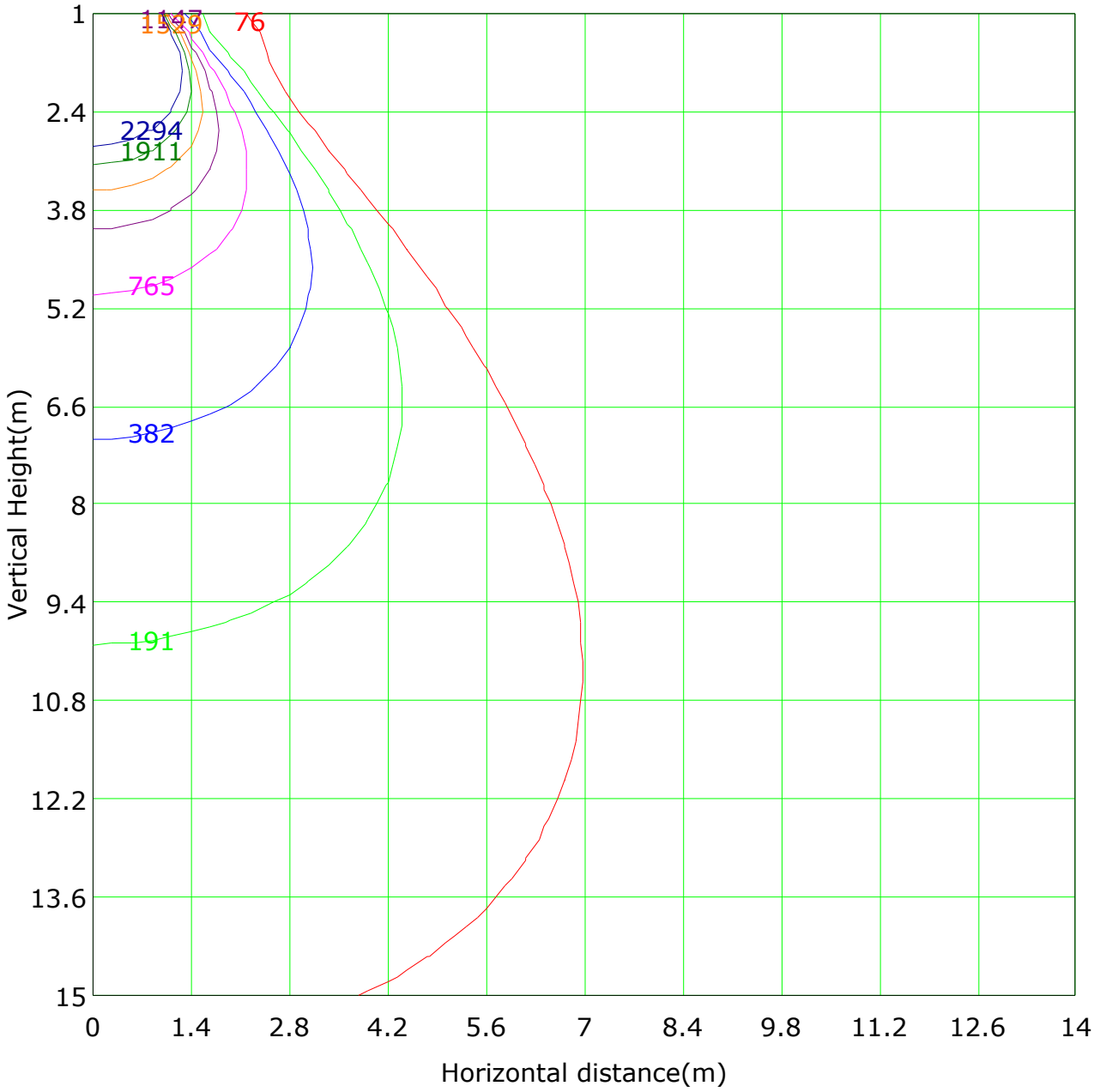
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	19112.75	1.77/1.82	2.6	5325.26
2.0	4778.19	3.54/3.64	10.3	1331.32
3.0	2123.64	5.30/5.45	23.1	591.70
4.0	1194.55	7.07/7.27	41.1	332.83
6.0	530.91	10.61/10.91	92.5	147.92
8.0	298.64	14.14/14.54	164.4	83.21
10.0	191.13	17.68/18.18	256.9	53.25
12.0	132.73	21.21/21.81	369.9	36.98
14.0	97.51	24.75/25.45	503.4	27.17
16.0	74.66	28.28/29.09	657.6	20.80

Beam Angle(B): H82.9 V84.5 Field Angle(F): H102.5 V102.6

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: 6.500 m
Humidity:
Inspector:

Vertical IsoLux Plot

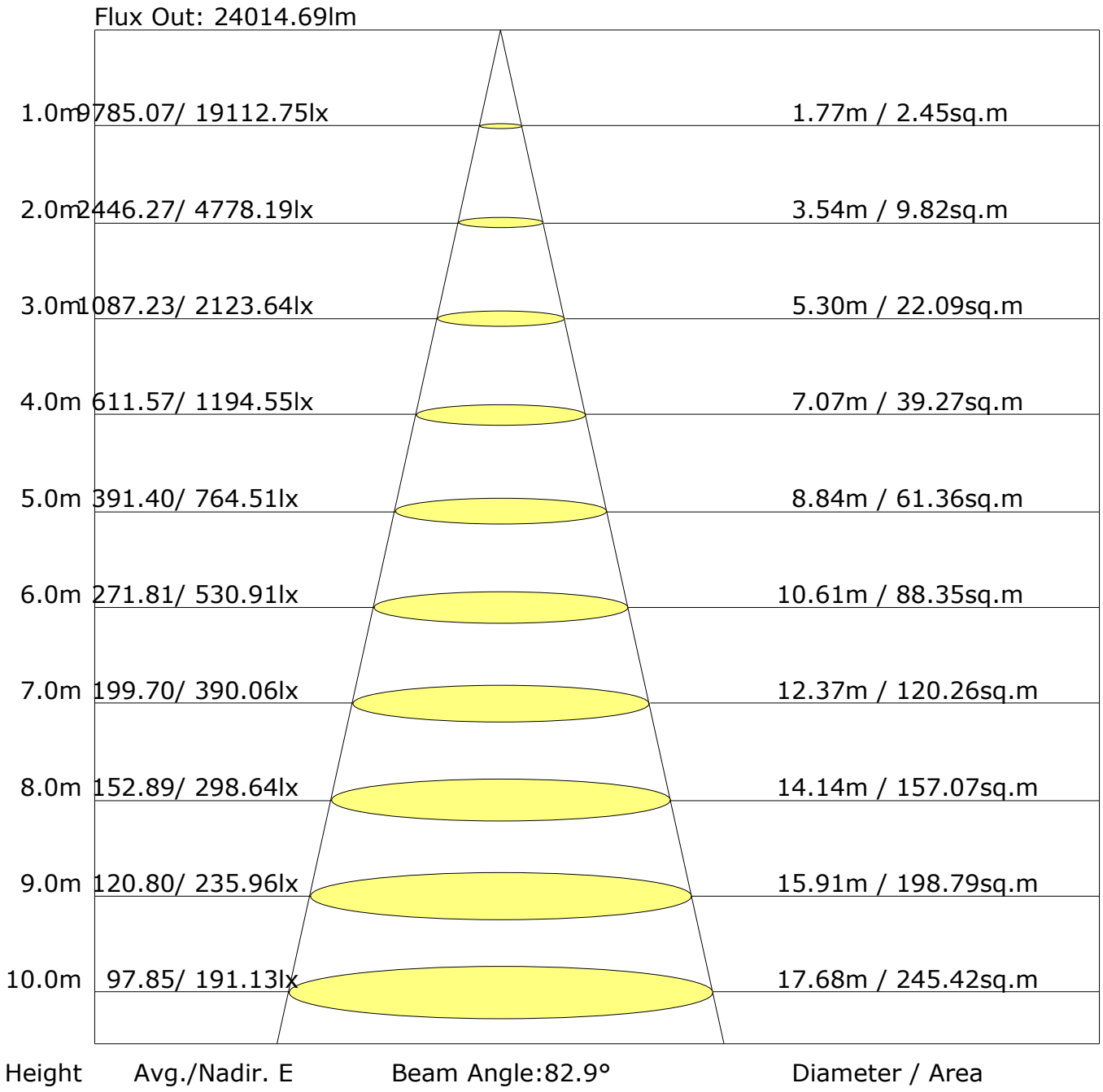


Lowest(m): 1.0m Highest(m): 15.0m Max Lux: 19112.8 lx

(0%): 76.5 lx
(1%): 191.1 lx
(2%): 382.3 lx
(4%): 764.5 lx
(6%):1146.8 lx
(8%):1529.0 lx
(10%):1911.3 lx
(12%):2293.5 lx

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 6.500 m
Temperature:
Humidity:
Operator:
Inspector:

The Average Illuminance Effective Figure



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: 6.500 m
Humidity:
Inspector:

UGR Table

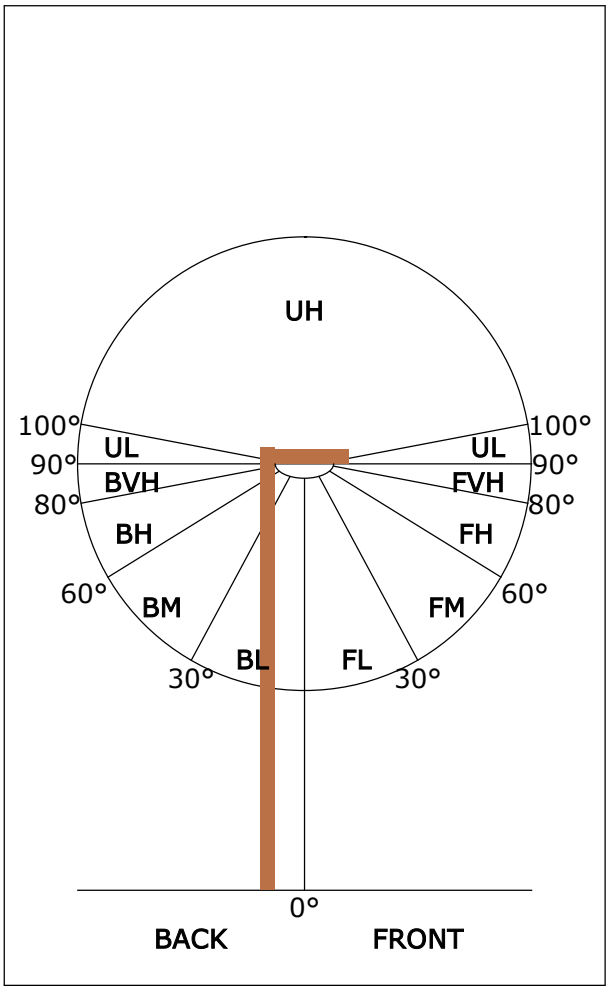
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-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 30164lm (8log(F/F0) = 11.8).

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: 6.500 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	14457	47.9
FL (0°-30°)	7256	24.1
FM (30°-60°)	6822	22.6
FH (60°-80°)	358	1.2
FVH (80°-90°)	21	0.1
BACK LIGHT	15707	52.1
BL (0°-30°)	7371	24.4
BM (30°-60°)	7907	26.2
BH (60°-80°)	407	1.3
BVH (80°-90°)	23	0.1
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(**B**acklight,**U**plight,**G**lare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B5 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B5 U1 G1

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: 6.500 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	18847.2	18.0	18.0	0.06	0.06
1.0-2.0	18839.1	54.1	72.1	0.18	0.24
2.0-3.0	18826.5	90.1	162.2	0.30	0.54
3.0-4.0	18809.2	125.9	288.1	0.42	0.96
4.0-5.0	18785.6	161.6	449.7	0.54	1.49
5.0-6.0	18756.8	197.1	646.9	0.65	2.14
6.0-7.0	18718.8	232.4	879.2	0.77	2.91
7.0-8.0	18677.7	267.3	1146.6	0.89	3.80
8.0-9.0	18634.0	302.0	1448.6	1.00	4.80
9.0-10.0	18587.8	336.4	1785.0	1.12	5.92
10.0-11.0	18534.2	370.4	2155.4	1.23	7.15
11.0-12.0	18474.0	403.9	2559.3	1.34	8.48
12.0-13.0	18411.3	437.0	2996.3	1.45	9.93
13.0-14.0	18337.5	469.4	3465.8	1.56	11.49
14.0-15.0	18259.9	501.4	3967.1	1.66	13.15
15.0-16.0	18172.7	532.6	4499.7	1.77	14.92
16.0-17.0	18075.2	563.0	5062.6	1.87	16.78
17.0-18.0	17970.7	592.6	5655.2	1.96	18.75
18.0-19.0	17848.3	621.0	6276.3	2.06	20.81
19.0-20.0	17720.3	648.7	6924.9	2.15	22.96
20.0-21.0	17584.6	675.3	7600.3	2.24	25.20
21.0-22.0	17425.9	700.4	8300.6	2.32	27.52
22.0-23.0	17257.7	724.2	9024.8	2.40	29.92
23.0-24.0	17076.8	746.7	9771.6	2.48	32.39
24.0-25.0	16879.3	767.6	10539.2	2.54	34.94
25.0-26.0	16674.6	787.2	11326.4	2.61	37.55
26.0-27.0	16443.3	804.6	12131.0	2.67	40.22
27.0-28.0	16190.0	819.8	12950.7	2.72	42.93
28.0-29.0	15919.1	833.0	13783.7	2.76	45.70
29.0-30.0	15616.4	843.3	14627.0	2.80	48.49
30.0-31.0	15299.8	851.5	15478.5	2.82	51.31
31.0-32.0	14956.4	857.0	16335.5	2.84	54.16
32.0-33.0	14578.9	859.0	17194.5	2.85	57.00
33.0-34.0	14183.9	858.5	18053.0	2.85	59.85
34.0-35.0	13746.7	853.8	18906.9	2.83	62.68
35.0-36.0	13274.0	845.3	19752.1	2.80	65.48

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: 6.500 m
Humidity:
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	12778.7	833.5	20585.7	2.76	68.25
37.0-38.0	12222.0	815.9	21401.6	2.70	70.95
38.0-39.0	11622.7	793.4	22195.0	2.63	73.58
39.0-40.0	10974.7	765.5	22960.5	2.54	76.12
40.0-41.0	10281.1	732.2	23692.7	2.43	78.55
41.0-42.0	9583.1	696.3	24389.1	2.31	80.86
42.0-43.0	8815.9	653.1	25042.2	2.17	83.02
43.0-44.0	8016.4	605.1	25647.3	2.01	85.03
44.0-45.0	7216.0	554.6	26202.0	1.84	86.87
45.0-46.0	6378.1	498.9	26700.8	1.65	88.52
46.0-47.0	5574.4	443.4	27144.3	1.47	89.99
47.0-48.0	4784.5	386.8	27531.1	1.28	91.27
48.0-49.0	4027.2	330.8	27861.9	1.10	92.37
49.0-50.0	3371.9	281.2	28143.0	0.93	93.30
50.0-51.0	2767.9	234.2	28377.2	0.78	94.08
51.0-52.0	2244.9	192.7	28569.9	0.64	94.72
52.0-53.0	1824.9	158.8	28728.7	0.53	95.24
53.0-54.0	1482.6	130.7	28859.4	0.43	95.68
54.0-55.0	1224.2	109.3	28968.7	0.36	96.04
55.0-56.0	1031.4	93.2	29061.9	0.31	96.35
56.0-57.0	898.5	82.2	29144.0	0.27	96.62
57.0-58.0	813.8	75.3	29219.3	0.25	96.87
58.0-59.0	750.1	70.1	29289.4	0.23	97.10
59.0-60.0	701.1	66.2	29355.7	0.22	97.32
60.0-61.0	663.2	63.3	29419.0	0.21	97.53
61.0-62.0	629.4	60.7	29479.6	0.20	97.73
62.0-63.0	599.9	58.4	29538.0	0.19	97.93
63.0-64.0	569.6	55.9	29593.9	0.19	98.11
64.0-65.0	535.6	53.0	29646.9	0.18	98.29
65.0-66.0	501.4	50.0	29696.9	0.17	98.45
66.0-67.0	467.2	47.0	29743.9	0.16	98.61
67.0-68.0	434.0	44.0	29787.9	0.15	98.75
68.0-69.0	402.6	41.1	29828.9	0.14	98.89
69.0-70.0	374.0	38.4	29867.4	0.13	99.02
70.0-71.0	348.7	36.0	29903.4	0.12	99.14
71.0-72.0	321.0	33.4	29936.8	0.11	99.25

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: 6.500 m
Humidity:
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	292.0	30.5	29967.3	0.10	99.35
73.0-74.0	268.6	28.2	29995.6	0.09	99.44
74.0-75.0	248.0	26.2	30021.8	0.09	99.53
75.0-76.0	226.7	24.1	30045.8	0.08	99.61
76.0-77.0	204.8	21.8	30067.7	0.07	99.68
77.0-78.0	183.1	19.6	30087.3	0.06	99.75
78.0-79.0	162.3	17.4	30104.7	0.06	99.80
79.0-80.0	140.8	15.2	30119.9	0.05	99.85
80.0-81.0	118.0	12.8	30132.7	0.04	99.90
81.0-82.0	94.6	10.3	30142.9	0.03	99.93
82.0-83.0	69.2	7.5	30150.5	0.02	99.96
83.0-84.0	45.5	5.0	30155.4	0.02	99.97
84.0-85.0	30.5	3.3	30158.7	0.01	99.98
85.0-86.0	21.1	2.3	30161.1	0.01	99.99
86.0-87.0	14.3	1.6	30162.6	0.01	100.00
87.0-88.0	8.6	0.9	30163.6	0.00	100.00
88.0-89.0	2.8	0.3	30163.9	0.00	100.00
89.0-90.0	0.0	0.0	30163.9	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: 6.500 m
Humidity:
Inspector: