

Report No.:

Test Time: 2022/1/4 10:39

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Double Row Ribbonlyte

Luminaire Description: DRRB0VWS22012.0VW

Lamp Catalog: 3527-2100+6200K

Number of Lamps: 280/M

Luminous Width (mm): 22

Voltage: 24.0 V

Power: 19.14 W

Lamp Description: 2100+6200K

Luminous Length (mm): 500

Luminous Height (mm): 2

Current: 0.798 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 1361.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H160.9,H115.8

Vertical Diffuse Angle(10%,50%): V160.4,V115.4

Luminaire Efficacy Rating (LER): 71

Max. Intensity: 473.86 cd

Total Rated Lamp Lumens: 1361.5 lm

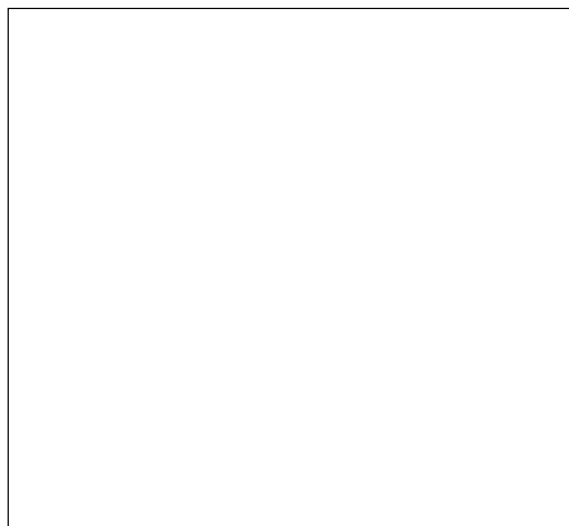
Efficiency: 100%

Upward Ratio: 1%

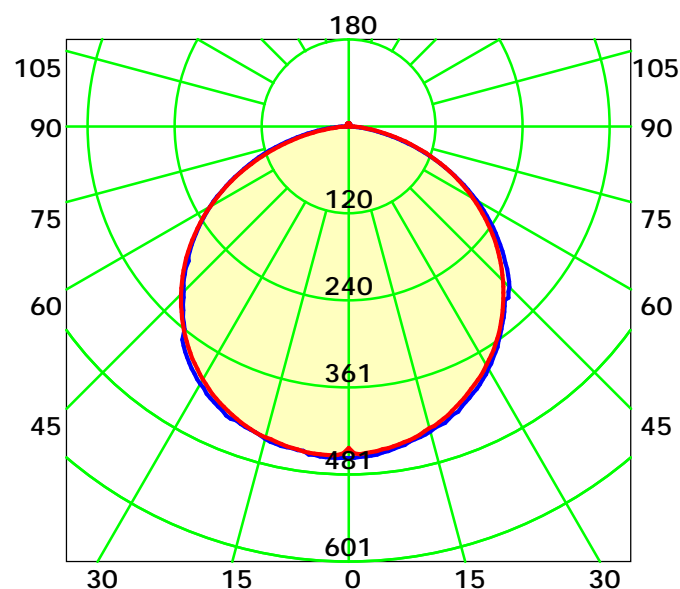
Central Intensity: 458.88 cd

Pos of Max. Intensity: H240 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 115.6° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: JACKY

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

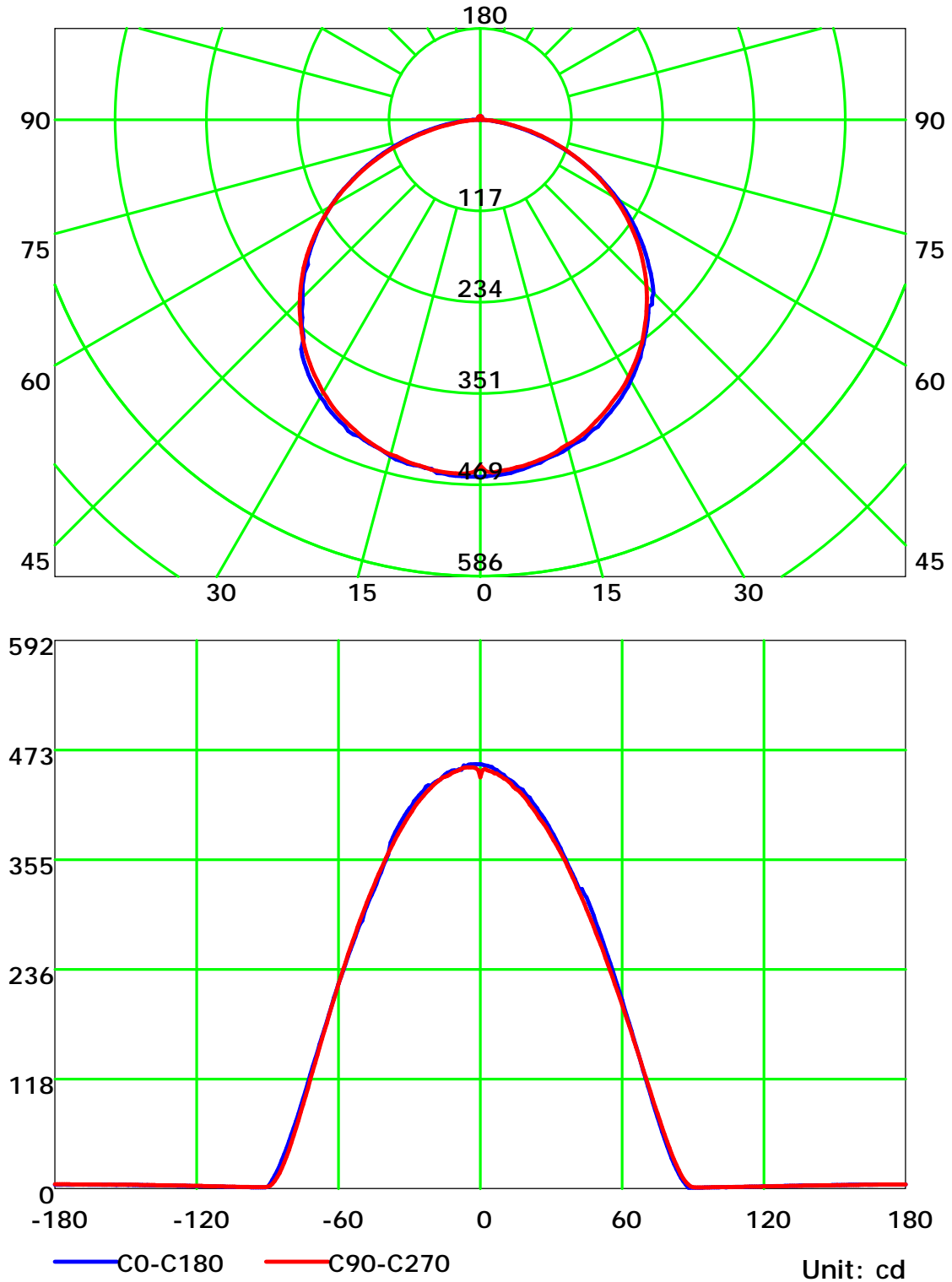
Distance: 9.028 m

Humidity: 60%

Inspector:



## Luminous Intensity Distribution Curve

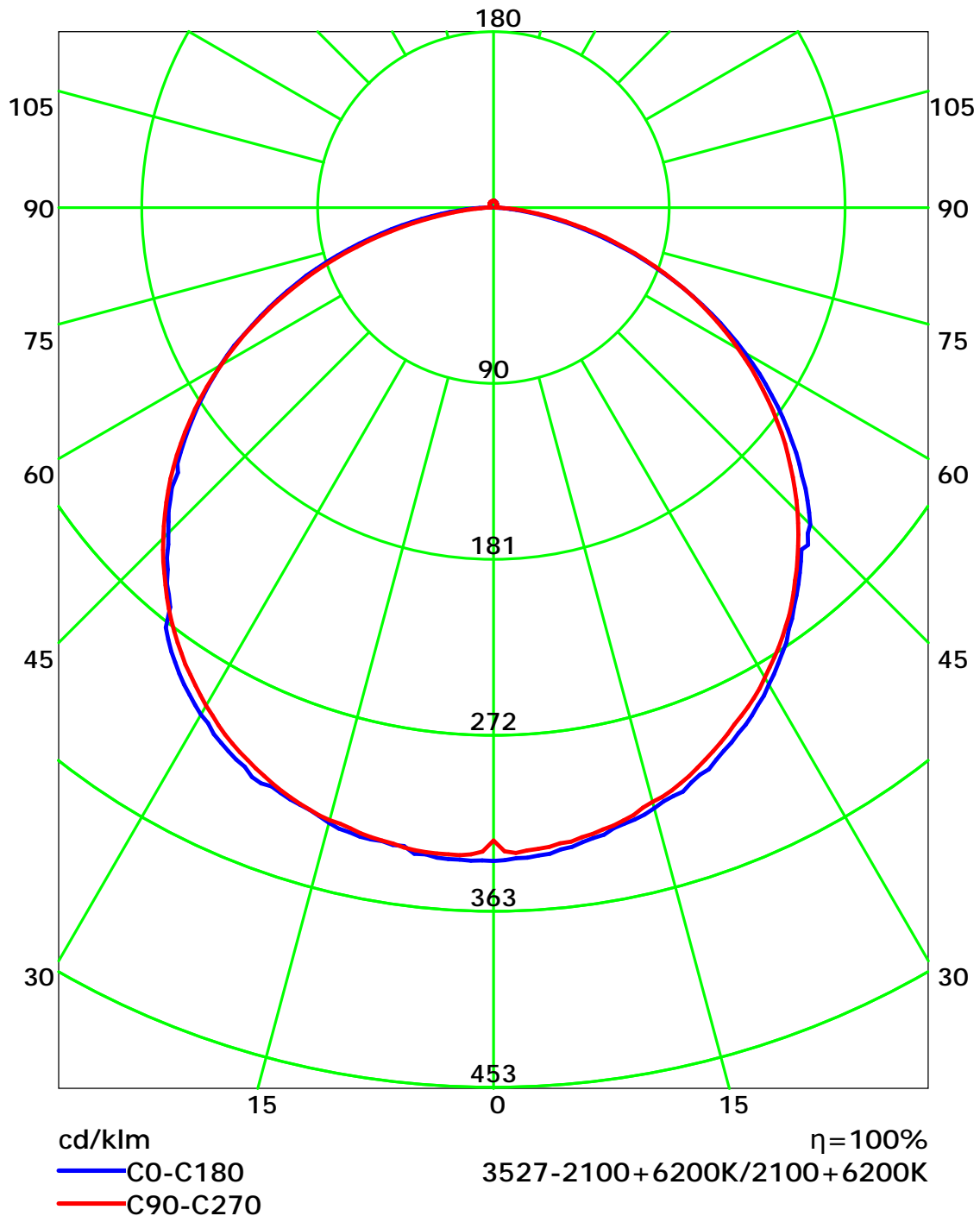


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

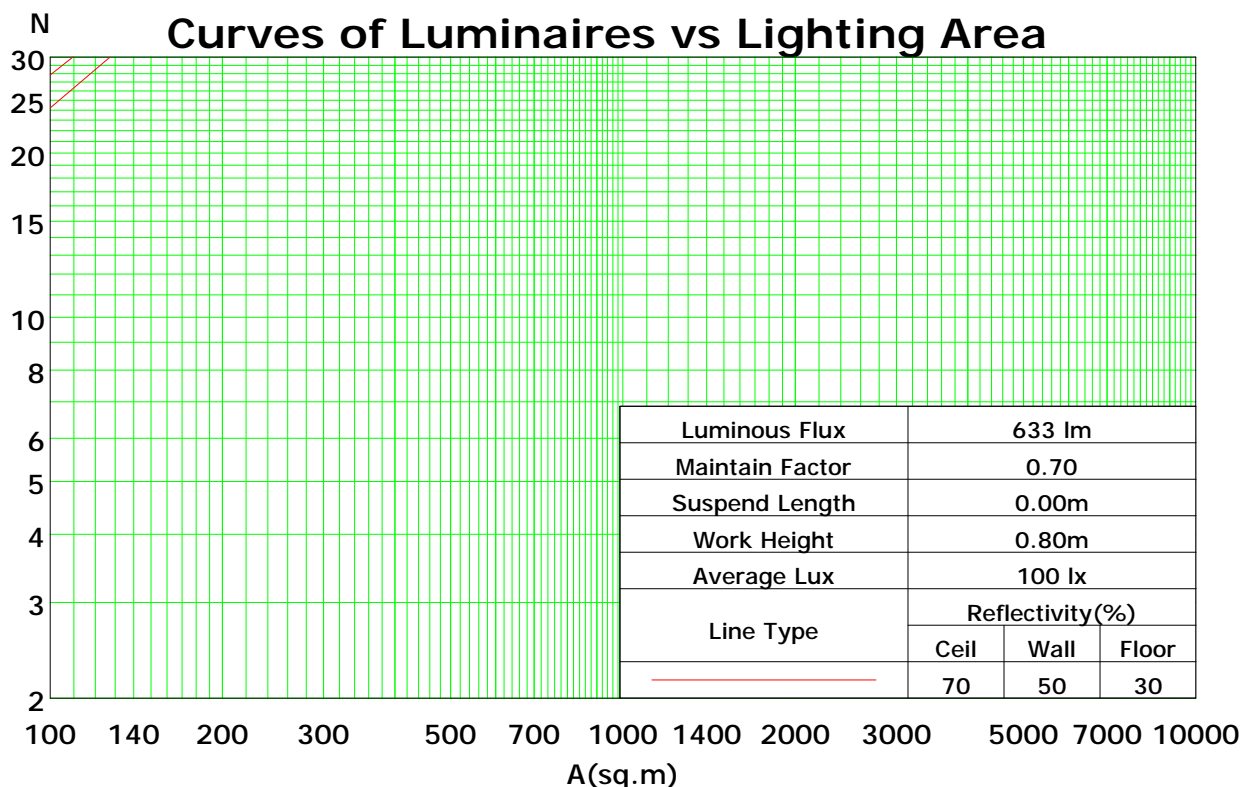
## Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	101	101	101	99
1	108	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	78	96	88	82	77	84	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	68	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	32
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	41	35	31	29
9	56	42	34	29	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	35	30	25	23

Spacing Criteria (0-180): 1.29

Spacing Criteria (90-270): 1.31

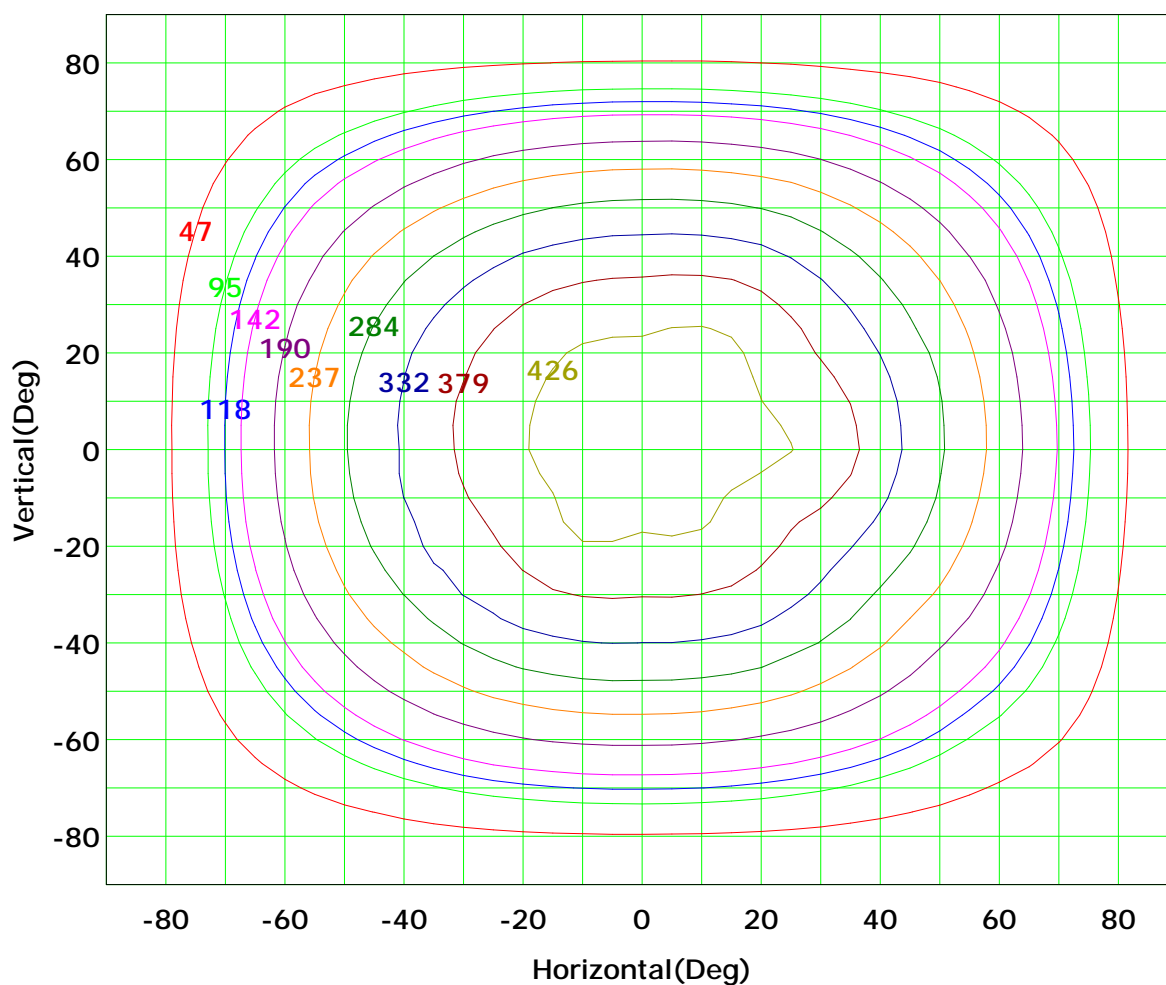
Spacing Criteria (Diagonal): 1.40



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Isocandela (rectangle)



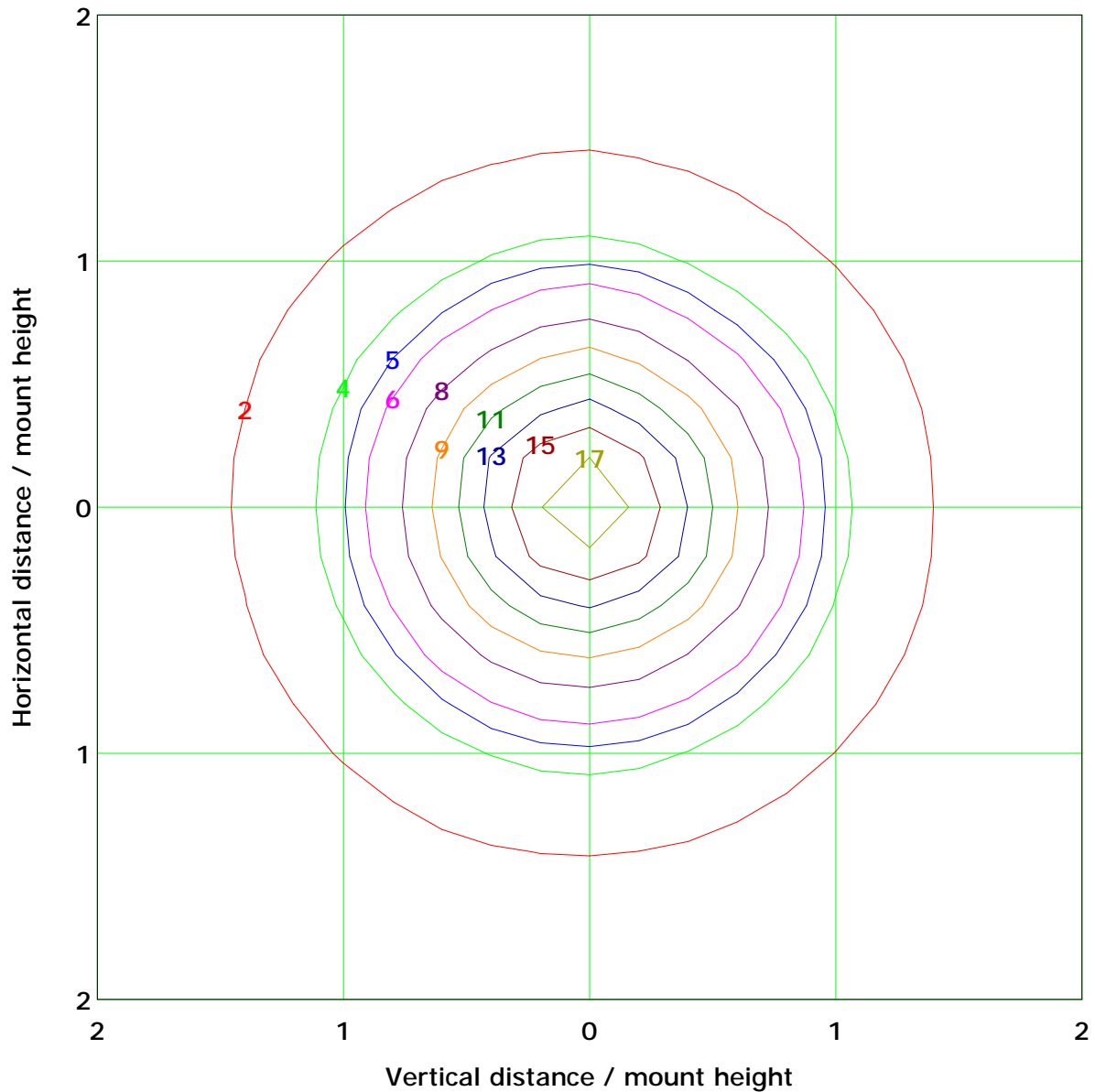
I<sub>max</sub> (100%): 474 cd

( 10%): 47 cd	( 20%): 95 cd
( 25%): 118 cd	( 30%): 142 cd
( 40%): 190 cd	( 50%): 237 cd
( 60%): 284 cd	( 70%): 332 cd
( 80%): 379 cd	( 90%): 426 cd

C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## IsoLux Plot



Mounting Height: 5.0m    Max Lux(100%): 18.9 lx	
( 10%): 1.9 lx	( 20%): 3.8 lx
( 25%): 4.7 lx	( 30%): 5.7 lx
( 40%): 7.6 lx	( 50%): 9.5 lx
( 60%): 11.4 lx	( 70%): 13.2 lx
( 80%): 15.1 lx	( 90%): 17.0 lx

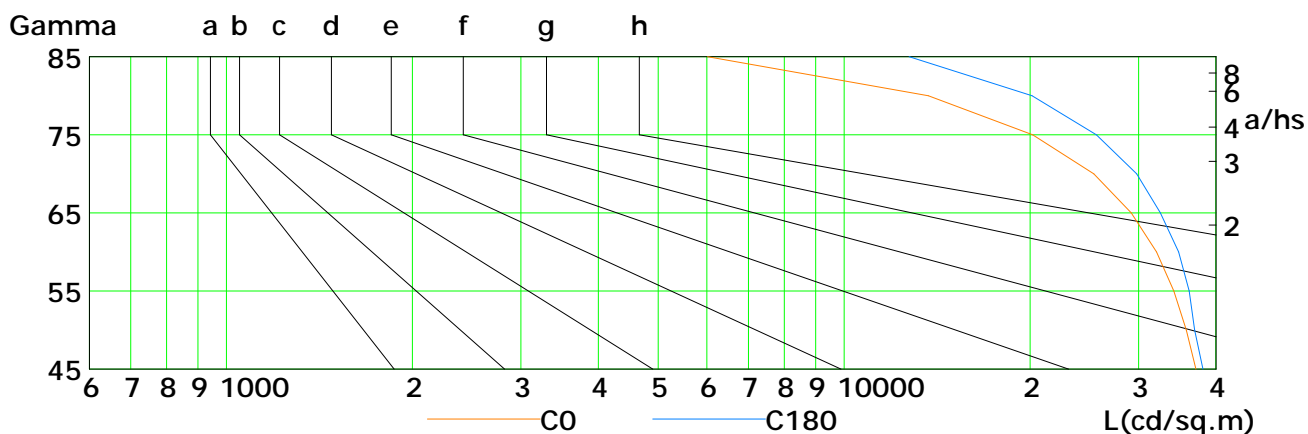
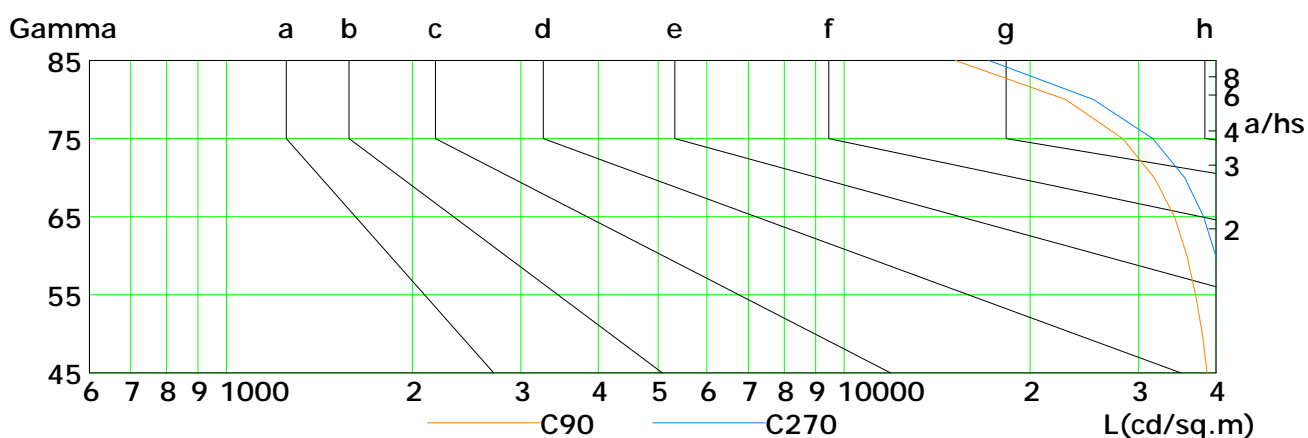
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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

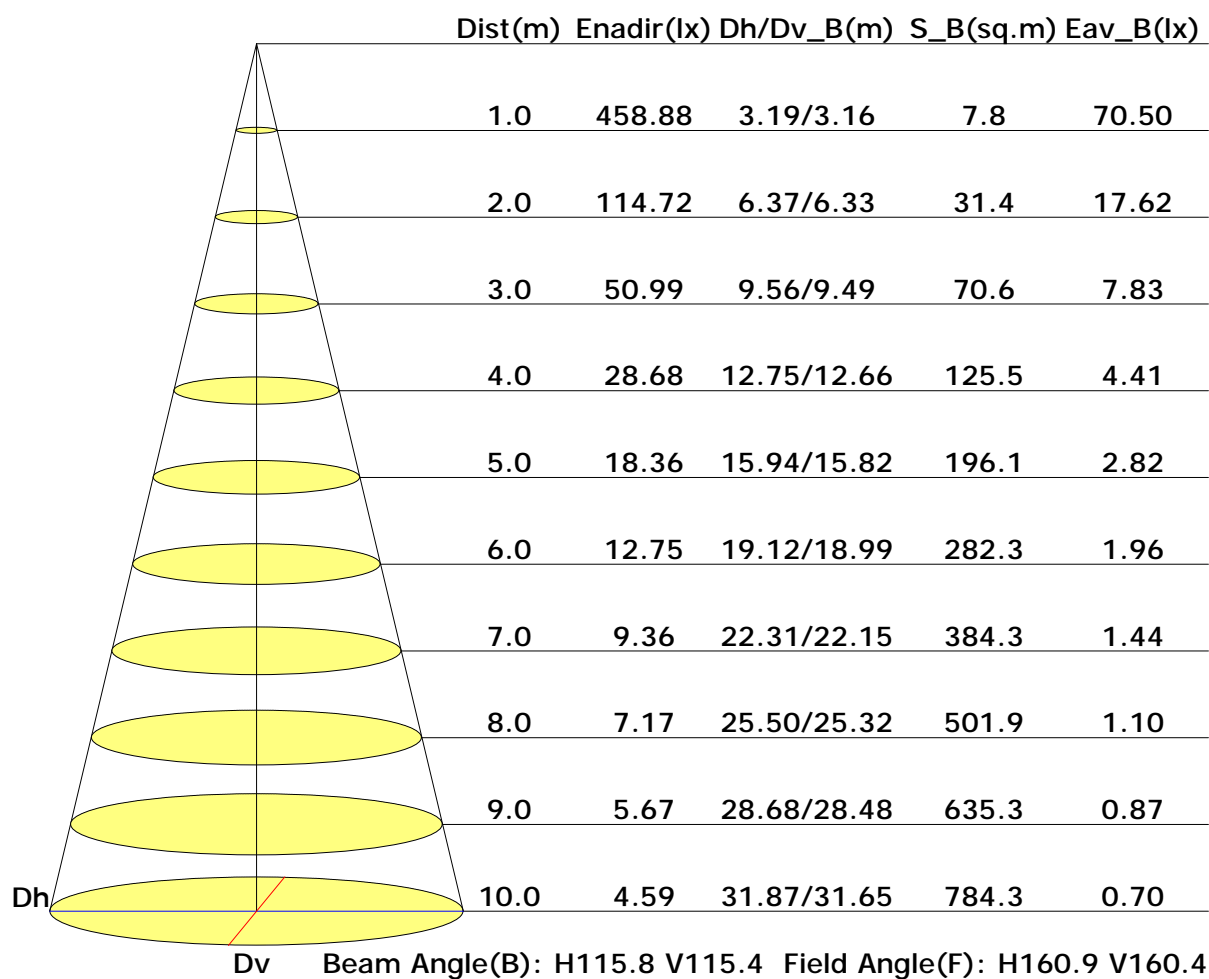


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	37104	35831	34191	32053	29164	25364	20210	13700	6011
C90	38705	38024	37101	35897	34285	31786	28264	22842	15161
C180	38107	36936	36193	34819	32536	29781	25615	20166	12753
C270	42031	41712	41044	39958	38183	35627	31604	25355	17146

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

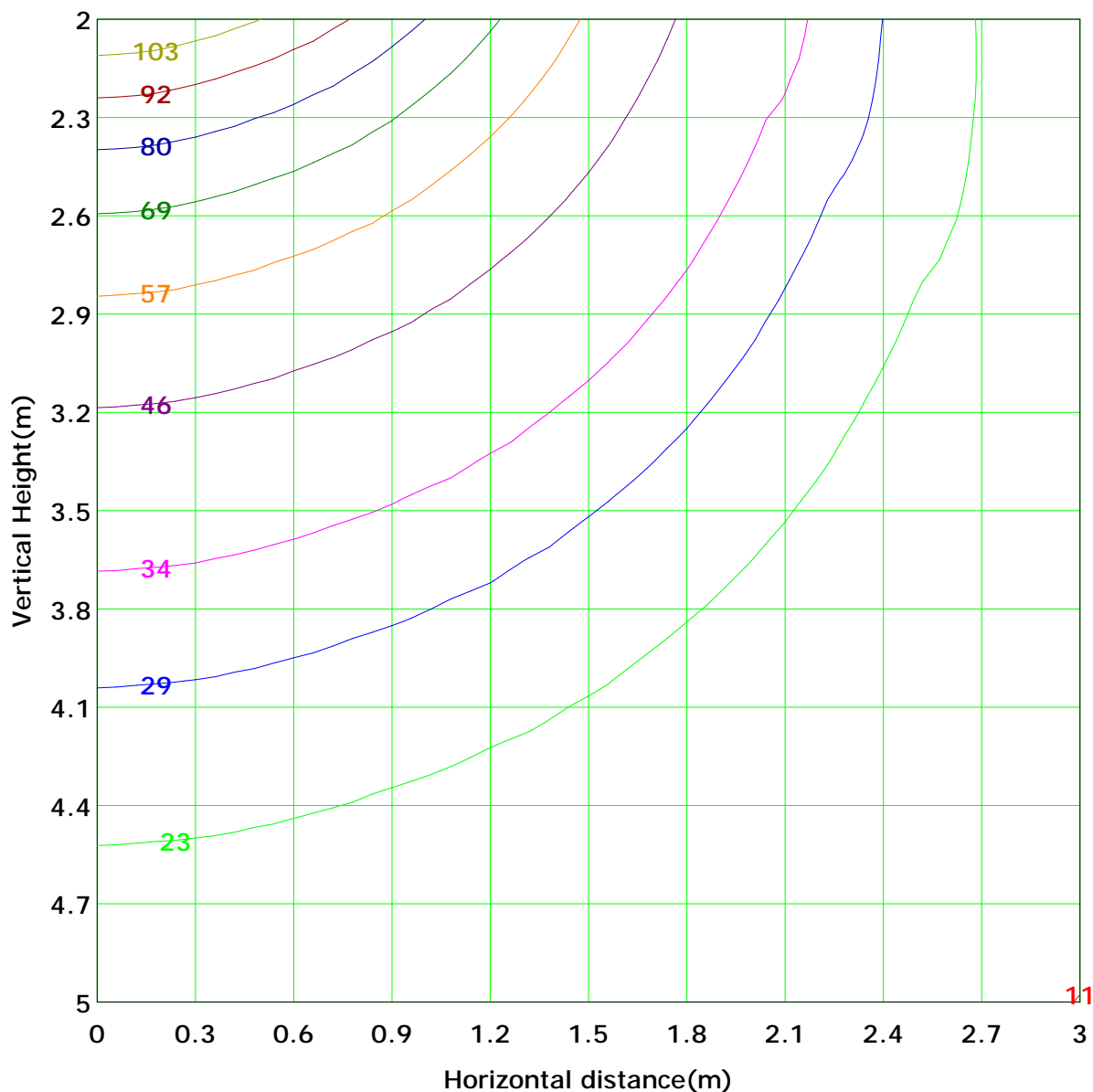
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 114.7 lx
( 10%): 11.5 lx	( 20%): 22.9 lx	
( 25%): 28.7 lx	( 30%): 34.4 lx	
( 40%): 45.9 lx	( 50%): 57.4 lx	
( 60%): 68.8 lx	( 70%): 80.3 lx	
( 80%): 91.8 lx	( 90%): 103.2 lx	

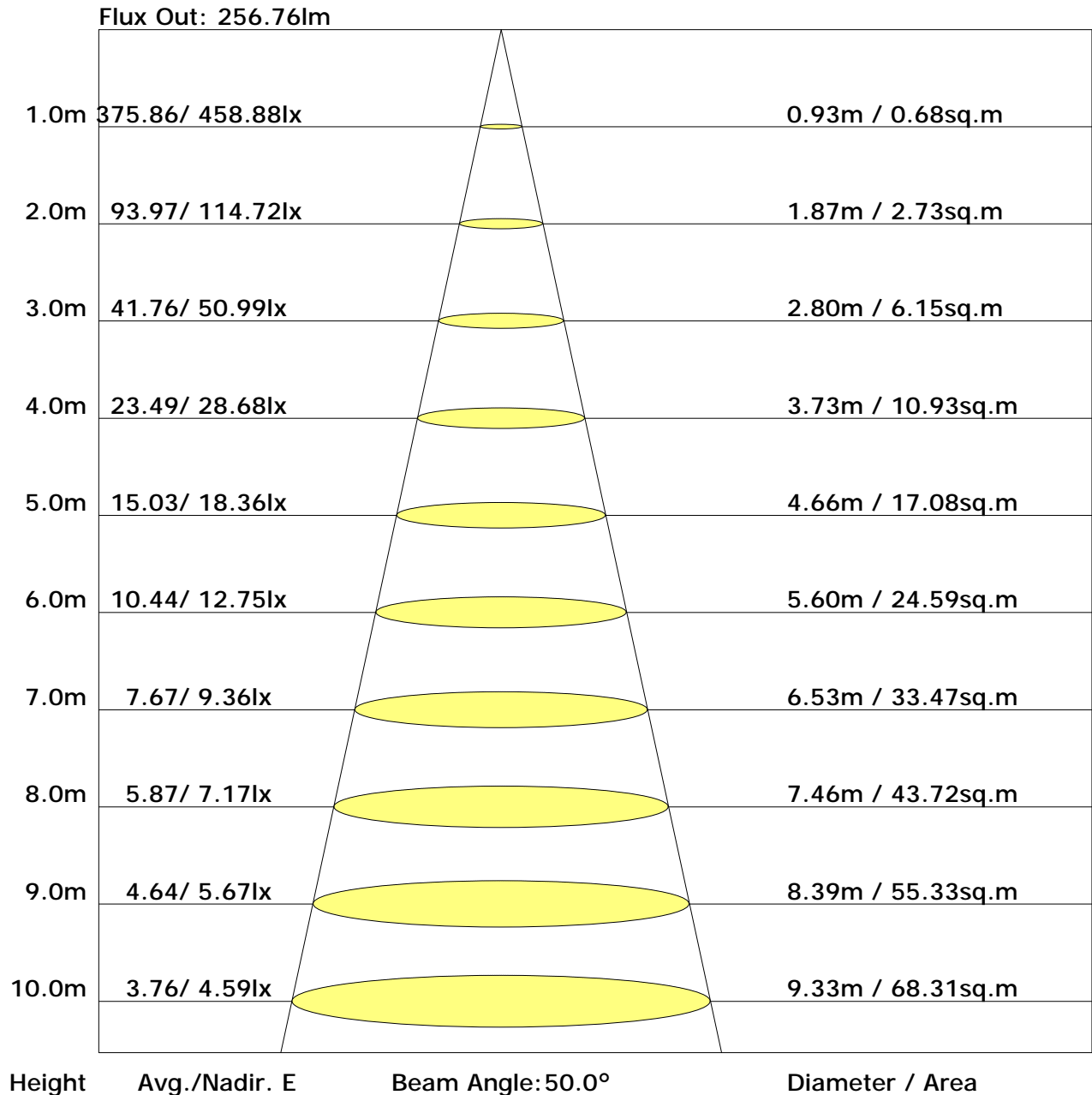
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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	23.6	25.2	24.0	25.5	25.9	23.1	24.7	23.5	25.0	25.4
3H	25.2	26.7	25.6	27.1	27.5	24.7	26.2	25.1	26.5	26.9
4H	25.8	27.2	26.2	27.5	27.9	25.2	26.6	25.7	27.0	27.4
6H	26.1	27.4	26.6	27.8	28.2	25.6	26.8	26.0	27.2	27.6
8H	26.2	27.4	26.6	27.8	28.2	25.6	26.8	26.1	27.3	27.7
12H	26.2	27.4	26.7	27.8	28.2	25.6	26.8	26.1	27.2	27.7
X=4H Y=2H	24.2	25.5	24.6	25.9	26.3	23.7	25.1	24.1	25.4	25.8
3H	26.0	27.2	26.5	27.6	28.0	25.5	26.7	26.0	27.1	27.5
4H	26.7	27.7	27.2	28.2	28.7	26.2	27.2	26.6	27.7	28.1
6H	27.1	28.0	27.6	28.5	29.0	26.6	27.5	27.1	28.0	28.5
8H	27.2	28.1	27.7	28.5	29.0	26.7	27.5	27.2	28.0	28.5
12H	27.3	28.0	27.8	28.5	29.0	26.7	27.5	27.2	28.0	28.5
X=8H Y=4H	27.0	27.8	27.4	28.3	28.8	26.4	27.3	26.9	27.7	28.2
6H	27.5	28.2	28.0	28.7	29.2	26.9	27.6	27.4	28.1	28.7
8H	27.6	28.2	28.2	28.8	29.3	27.1	27.7	27.6	28.2	28.7
12H	27.7	28.3	28.2	28.8	29.4	27.1	27.7	27.7	28.2	28.8
X=12H Y=4H	27.0	27.7	27.5	28.2	28.7	26.4	27.2	26.9	27.7	28.2
6H	27.5	28.1	28.0	28.6	29.2	27.0	27.6	27.5	28.1	28.7
8H	27.7	28.2	28.2	28.8	29.3	27.1	27.7	27.7	28.2	28.8

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: JACKY

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.56	0.66	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.42	0.53	0.60	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.98
	0.30		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.42	0.52	0.60	0.65	0.73	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.52	0.62	0.69	0.73	0.80	0.85	0.88	0.92	0.94
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92
	0.20		0.41	0.51	0.59	0.64	0.72	0.77	0.81	0.86	0.90
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
Rating: 19W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	1.01	0.83	0.71	0.61	0.49	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.55	0.49	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.97	0.80	0.67	0.59	0.47	0.42	0.33	0.25	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.94	0.76	0.65	0.56	0.45	0.37	0.31	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.34	0.29	0.23	0.19
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.25	0.22	0.17	0.14
Rating: 19W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.21	0.22	0.22
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18
0.30	0.50	0.20	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Rating: 19W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

## 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	457.5	0.4	0.4	0.03	0.03
1.0-2.0	458.3	1.3	1.8	0.10	0.13
2.0-3.0	458.3	2.2	3.9	0.16	0.29
3.0-4.0	457.4	3.1	7.0	0.22	0.51
4.0-5.0	457.3	3.9	10.9	0.29	0.80
5.0-6.0	456.9	4.8	15.7	0.35	1.16
6.0-7.0	455.7	5.7	21.4	0.42	1.57
7.0-8.0	454.5	6.5	27.9	0.48	2.05
8.0-9.0	453.0	7.3	35.2	0.54	2.59
9.0-10.0	451.4	8.2	43.4	0.60	3.19
10.0-11.0	450.0	9.0	52.4	0.66	3.85
11.0-12.0	448.5	9.8	62.2	0.72	4.57
12.0-13.0	446.9	10.6	72.8	0.78	5.35
13.0-14.0	445.1	11.4	84.2	0.84	6.19
14.0-15.0	443.0	12.2	96.4	0.89	7.08
15.0-16.0	440.8	12.9	109.3	0.95	8.03
16.0-17.0	438.7	13.7	123.0	1.00	9.03
17.0-18.0	436.4	14.4	137.4	1.06	10.09
18.0-19.0	434.0	15.1	152.5	1.11	11.20
19.0-20.0	431.1	15.8	168.2	1.16	12.36
20.0-21.0	428.2	16.4	184.7	1.21	13.56
21.0-22.0	425.4	17.1	201.8	1.26	14.82
22.0-23.0	422.5	17.7	219.5	1.30	16.12
23.0-24.0	419.3	18.3	237.8	1.35	17.47
24.0-25.0	416.0	18.9	256.8	1.39	18.86
25.0-26.0	412.6	19.5	276.2	1.43	20.29
26.0-27.0	408.9	20.0	296.2	1.47	21.76
27.0-28.0	405.0	20.5	316.8	1.51	23.27
28.0-29.0	401.0	21.0	337.7	1.54	24.81
29.0-30.0	396.9	21.4	359.2	1.57	26.38
30.0-31.0	392.7	21.9	381.0	1.61	27.99
31.0-32.0	388.2	22.2	403.3	1.63	29.62
32.0-33.0	383.6	22.6	425.9	1.66	31.28
33.0-34.0	379.0	22.9	448.8	1.68	32.97
34.0-35.0	374.3	23.2	472.1	1.71	34.67
35.0-36.0	369.4	23.5	495.6	1.73	36.40

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: JACKY

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	364.4	23.8	519.3	1.75	38.15
37.0-38.0	359.2	24.0	543.3	1.76	39.91
38.0-39.0	353.6	24.1	567.5	1.77	41.68
39.0-40.0	348.6	24.3	591.8	1.79	43.47
40.0-41.0	343.7	24.5	616.3	1.80	45.27
41.0-42.0	337.7	24.5	640.8	1.80	47.07
42.0-43.0	332.0	24.6	665.4	1.81	48.87
43.0-44.0	326.3	24.6	690.0	1.81	50.68
44.0-45.0	320.1	24.6	714.6	1.81	52.49
45.0-46.0	314.1	24.6	739.2	1.80	54.30
46.0-47.0	307.8	24.5	763.7	1.80	56.09
47.0-48.0	301.4	24.4	788.1	1.79	57.88
48.0-49.0	294.7	24.2	812.3	1.78	59.66
49.0-50.0	287.6	24.0	836.2	1.76	61.42
50.0-51.0	280.7	23.8	860.0	1.74	63.17
51.0-52.0	274.2	23.5	883.5	1.73	64.90
52.0-53.0	267.2	23.2	906.8	1.71	66.60
53.0-54.0	260.1	22.9	929.7	1.68	68.29
54.0-55.0	253.1	22.6	952.3	1.66	69.95
55.0-56.0	245.9	22.2	974.5	1.63	71.58
56.0-57.0	238.4	21.8	996.3	1.60	73.18
57.0-58.0	230.9	21.4	1017.7	1.57	74.75
58.0-59.0	223.2	20.9	1038.6	1.53	76.28
59.0-60.0	215.4	20.4	1058.9	1.50	77.78
60.0-61.0	207.5	19.8	1078.7	1.45	79.23
61.0-62.0	199.5	19.2	1097.9	1.41	80.65
62.0-63.0	191.2	18.6	1116.5	1.37	82.01
63.0-64.0	182.9	17.9	1134.5	1.32	83.33
64.0-65.0	174.8	17.3	1151.8	1.27	84.60
65.0-66.0	166.7	16.6	1168.4	1.22	85.82
66.0-67.0	158.4	15.9	1184.4	1.17	86.99
67.0-68.0	150.1	15.2	1199.6	1.12	88.11
68.0-69.0	141.7	14.5	1214.0	1.06	89.17
69.0-70.0	133.2	13.7	1227.7	1.01	90.18
70.0-71.0	124.8	12.9	1240.6	0.95	91.12
71.0-72.0	116.3	12.1	1252.7	0.89	92.01

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: JACKY

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	107.9	11.3	1264.0	0.83	92.84
73.0-74.0	99.5	10.5	1274.4	0.77	93.61
74.0-75.0	91.2	9.6	1284.1	0.71	94.32
75.0-76.0	83.0	8.8	1292.9	0.65	94.96
76.0-77.0	74.9	8.0	1300.9	0.59	95.55
77.0-78.0	67.0	7.2	1308.0	0.53	96.08
78.0-79.0	59.4	6.4	1314.4	0.47	96.55
79.0-80.0	51.9	5.6	1320.0	0.41	96.96
80.0-81.0	44.9	4.9	1324.9	0.36	97.31
81.0-82.0	38.0	4.1	1329.0	0.30	97.62
82.0-83.0	31.5	3.4	1332.4	0.25	97.87
83.0-84.0	25.6	2.8	1335.2	0.20	98.07
84.0-85.0	20.2	2.2	1337.4	0.16	98.23
85.0-86.0	15.4	1.7	1339.1	0.12	98.36
86.0-87.0	11.2	1.2	1340.3	0.09	98.45
87.0-88.0	7.7	0.8	1341.1	0.06	98.51
88.0-89.0	4.9	0.5	1341.7	0.04	98.55
89.0-90.0	3.1	0.3	1342.0	0.03	98.57
90.0-91.0	2.3	0.3	1342.3	0.02	98.59
91.0-92.0	2.0	0.2	1342.5	0.02	98.61
92.0-93.0	2.0	0.2	1342.7	0.02	98.62
93.0-94.0	2.0	0.2	1342.9	0.02	98.64
94.0-95.0	2.0	0.2	1343.2	0.02	98.66
95.0-96.0	2.0	0.2	1343.4	0.02	98.67
96.0-97.0	2.0	0.2	1343.6	0.02	98.69
97.0-98.0	2.0	0.2	1343.8	0.02	98.70
98.0-99.0	2.0	0.2	1344.0	0.02	98.72
99.0-100.0	2.1	0.2	1344.3	0.02	98.74
100.0-101.0	2.1	0.2	1344.5	0.02	98.75
101.0-102.0	2.1	0.2	1344.7	0.02	98.77
102.0-103.0	2.1	0.2	1344.9	0.02	98.79
103.0-104.0	2.2	0.2	1345.2	0.02	98.80
104.0-105.0	2.2	0.2	1345.4	0.02	98.82
105.0-106.0	2.2	0.2	1345.6	0.02	98.84
106.0-107.0	2.3	0.2	1345.9	0.02	98.86
107.0-108.0	2.3	0.2	1346.1	0.02	98.87

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: JACKY

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 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	2.4	0.2	1346.4	0.02	98.89
109.0-110.0	2.4	0.3	1346.6	0.02	98.91
110.0-111.0	2.5	0.3	1346.9	0.02	98.93
111.0-112.0	2.5	0.3	1347.1	0.02	98.95
112.0-113.0	2.6	0.3	1347.4	0.02	98.97
113.0-114.0	2.6	0.3	1347.7	0.02	98.99
114.0-115.0	2.7	0.3	1347.9	0.02	99.01
115.0-116.0	2.7	0.3	1348.2	0.02	99.03
116.0-117.0	2.8	0.3	1348.5	0.02	99.05
117.0-118.0	2.8	0.3	1348.7	0.02	99.07
118.0-119.0	2.9	0.3	1349.0	0.02	99.09
119.0-120.0	2.9	0.3	1349.3	0.02	99.11
120.0-121.0	3.0	0.3	1349.6	0.02	99.13
121.0-122.0	3.0	0.3	1349.9	0.02	99.15
122.0-123.0	3.1	0.3	1350.2	0.02	99.17
123.0-124.0	3.1	0.3	1350.4	0.02	99.19
124.0-125.0	3.2	0.3	1350.7	0.02	99.21
125.0-126.0	3.2	0.3	1351.0	0.02	99.23
126.0-127.0	3.3	0.3	1351.3	0.02	99.26
127.0-128.0	3.3	0.3	1351.6	0.02	99.28
128.0-129.0	3.4	0.3	1351.9	0.02	99.30
129.0-130.0	3.4	0.3	1352.2	0.02	99.32
130.0-131.0	3.5	0.3	1352.5	0.02	99.34
131.0-132.0	3.5	0.3	1352.8	0.02	99.36
132.0-133.0	3.6	0.3	1353.0	0.02	99.38
133.0-134.0	3.6	0.3	1353.3	0.02	99.40
134.0-135.0	3.7	0.3	1353.6	0.02	99.43
135.0-136.0	3.7	0.3	1353.9	0.02	99.45
136.0-137.0	3.8	0.3	1354.2	0.02	99.47
137.0-138.0	3.8	0.3	1354.5	0.02	99.49
138.0-139.0	3.9	0.3	1354.8	0.02	99.51
139.0-140.0	3.9	0.3	1355.0	0.02	99.53
140.0-141.0	3.9	0.3	1355.3	0.02	99.55
141.0-142.0	4.0	0.3	1355.6	0.02	99.57
142.0-143.0	4.0	0.3	1355.8	0.02	99.59
143.0-144.0	4.1	0.3	1356.1	0.02	99.61

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: JACKY

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 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	4.1	0.3	1356.4	0.02	99.63
145.0-146.0	4.1	0.3	1356.6	0.02	99.65
146.0-147.0	4.2	0.3	1356.9	0.02	99.66
147.0-148.0	4.2	0.2	1357.1	0.02	99.68
148.0-149.0	4.2	0.2	1357.4	0.02	99.70
149.0-150.0	4.3	0.2	1357.6	0.02	99.72
150.0-151.0	4.3	0.2	1357.8	0.02	99.74
151.0-152.0	4.3	0.2	1358.1	0.02	99.75
152.0-153.0	4.4	0.2	1358.3	0.02	99.77
153.0-154.0	4.4	0.2	1358.5	0.02	99.78
154.0-155.0	4.4	0.2	1358.7	0.02	99.80
155.0-156.0	4.4	0.2	1358.9	0.01	99.81
156.0-157.0	4.5	0.2	1359.1	0.01	99.83
157.0-158.0	4.5	0.2	1359.3	0.01	99.84
158.0-159.0	4.5	0.2	1359.5	0.01	99.86
159.0-160.0	4.6	0.2	1359.7	0.01	99.87
160.0-161.0	4.6	0.2	1359.8	0.01	99.88
161.0-162.0	4.6	0.2	1360.0	0.01	99.89
162.0-163.0	4.6	0.2	1360.1	0.01	99.90
163.0-164.0	4.6	0.1	1360.3	0.01	99.91
164.0-165.0	4.7	0.1	1360.4	0.01	99.92
165.0-166.0	4.7	0.1	1360.5	0.01	99.93
166.0-167.0	4.7	0.1	1360.7	0.01	99.94
167.0-168.0	4.7	0.1	1360.8	0.01	99.95
168.0-169.0	4.8	0.1	1360.9	0.01	99.96
169.0-170.0	4.8	0.1	1361.0	0.01	99.97
170.0-171.0	4.8	0.1	1361.1	0.01	99.97
171.0-172.0	4.8	0.1	1361.1	0.01	99.98
172.0-173.0	4.9	0.1	1361.2	0.01	99.98
173.0-174.0	4.9	0.1	1361.3	0.00	99.99
174.0-175.0	4.9	0.1	1361.3	0.00	99.99
175.0-176.0	4.9	0.0	1361.4	0.00	99.99
176.0-177.0	4.9	0.0	1361.4	0.00	100.00
177.0-178.0	4.9	0.0	1361.4	0.00	100.00
178.0-179.0	4.9	0.0	1361.4	0.00	100.00
179.0-180.0	4.9	0.0	1361.4	0.00	100.00

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: JACKY

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector: