

Report No.: 20230921

Test Time: 2023/9/22 14:49

## Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Neon

Luminaire Description: LED Nano Flex SW 5.48 3000K IP67

Lamp Catalog: Optic BA 38 degree

Luminous Width (mm): 18

Voltage: 24.0 V

Power: 18.22 W

Luminous Length (mm): 1000

Luminous Height (mm): 18

Current: 0.759 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 1120 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H73.2,H40.1

Vertical Diffuse Angle(10%,50%): V70.3,V38.9

Luminaire Efficacy Rating (LER): 61

Max. Intensity: 2021.37 cd

Total Rated Lamp Lumens: 1120.0 lm

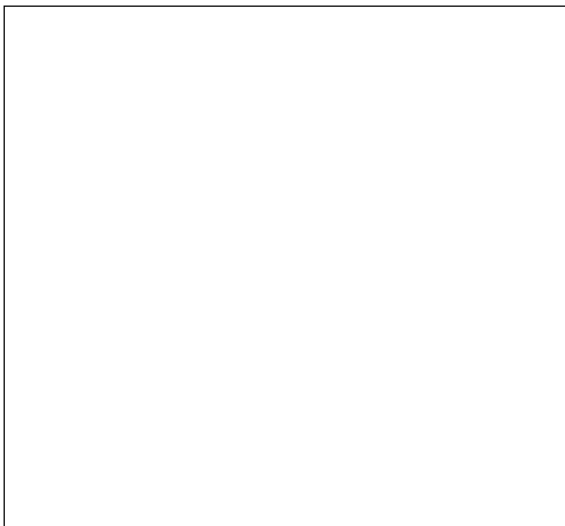
Efficiency: 100%

Upward Ratio: 1%

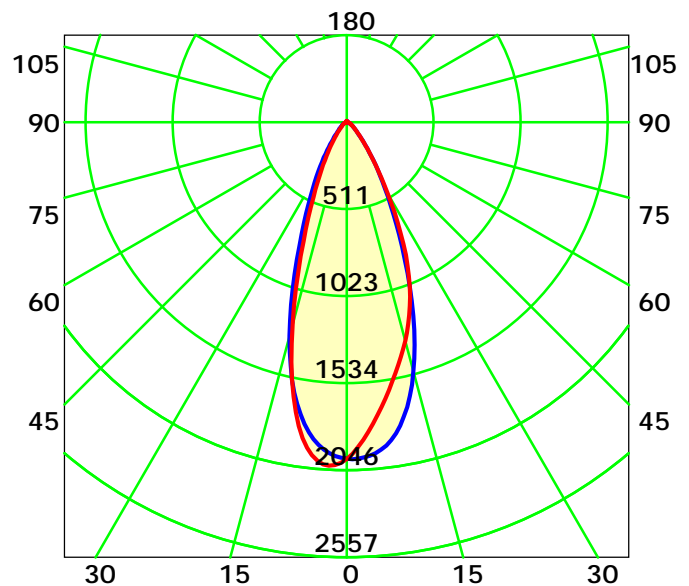
Central Intensity: 1978.3 cd

Pos of Max. Intensity: H270 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 39.5° 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

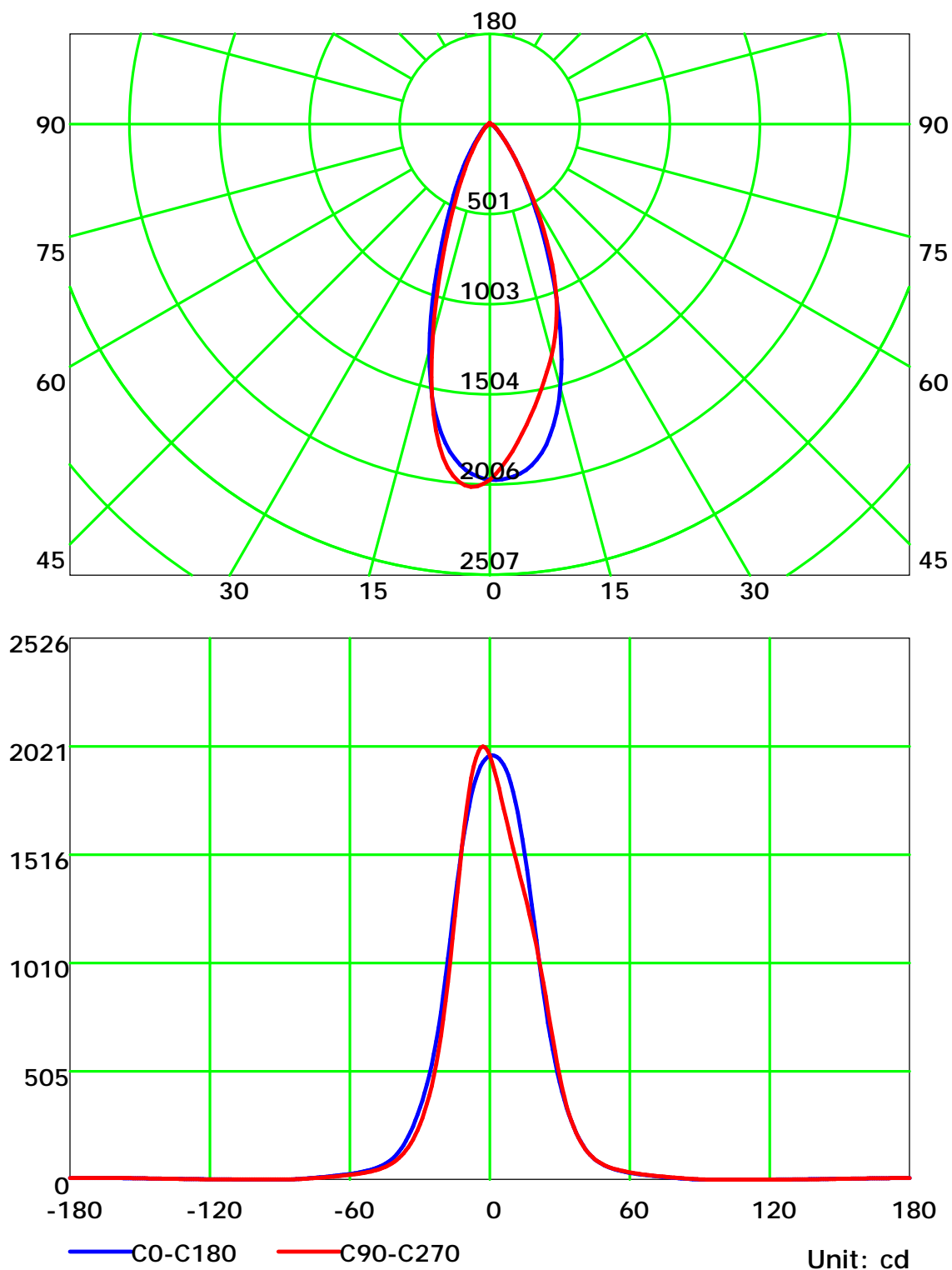
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

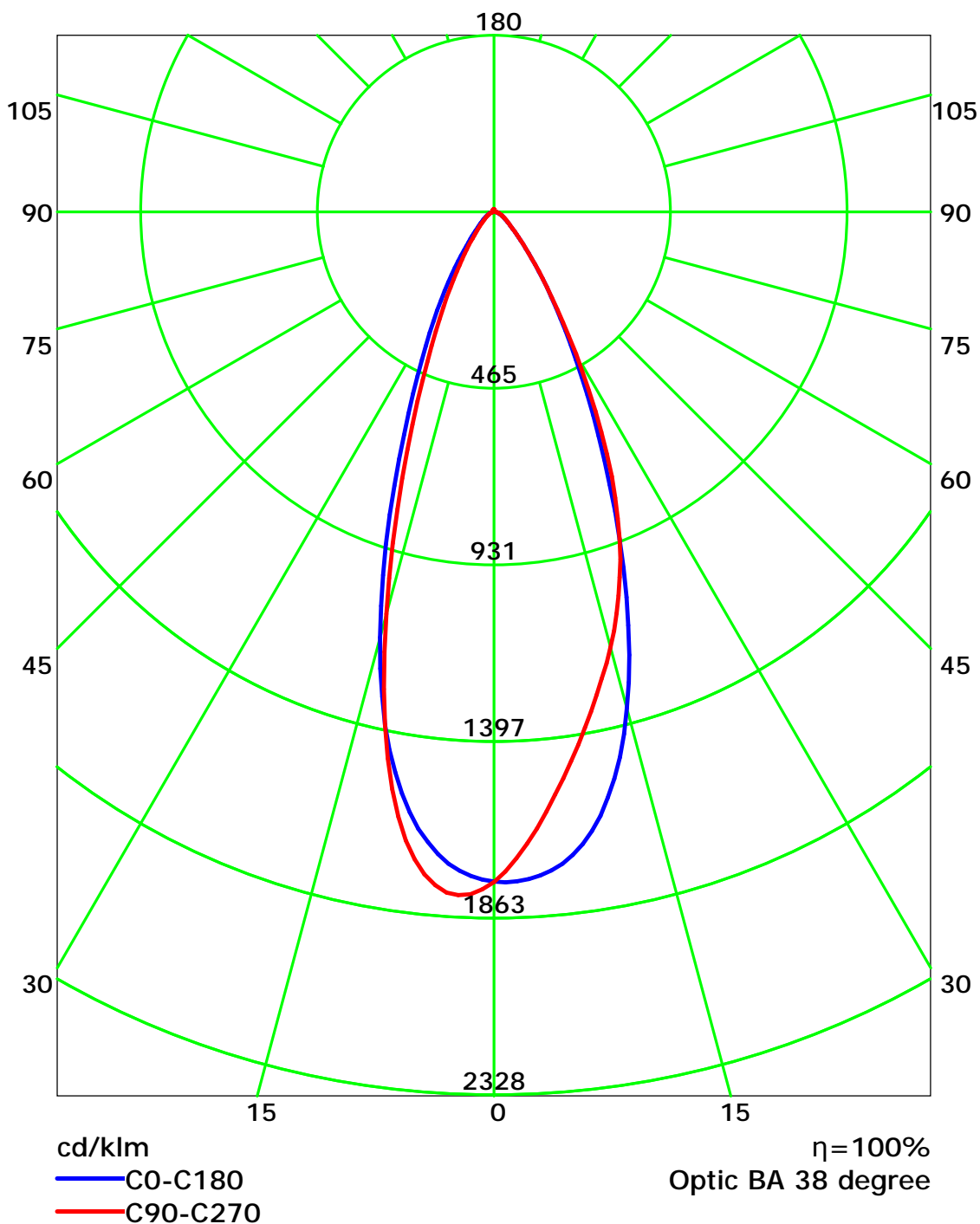
## Luminous Intensity Distribution Curve



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:

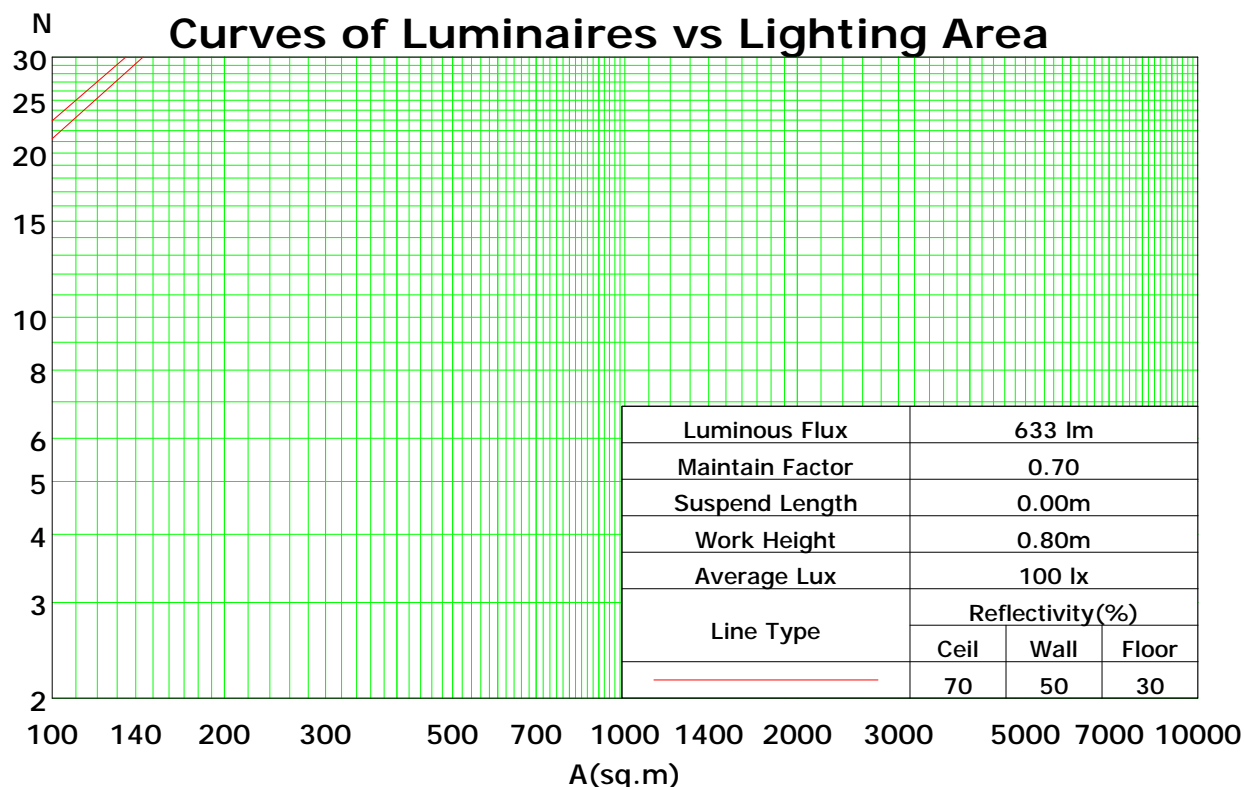
## Coefficients Of Utilization - Zonal Cavity Method

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	113	110	107	105	110	108	105	103	103	102	100	99	98	97	96	95	94	92
2	107	102	98	95	105	100	97	93	97	94	91	94	91	89	91	89	87	85
3	102	95	90	86	100	94	89	86	91	87	84	88	85	83	86	83	81	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	74
5	92	84	78	74	91	83	78	74	81	77	73	79	75	72	78	74	71	70
6	88	79	74	69	87	79	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	69	65	73	68	65	72	67	64	71	67	64	62
8	80	71	66	62	79	71	65	61	70	65	61	68	64	61	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	65	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

Spacing Criteria (0-180): 0.65

Spacing Criteria (90-270): 0.61

Spacing Criteria (Diagonal): 0.64



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

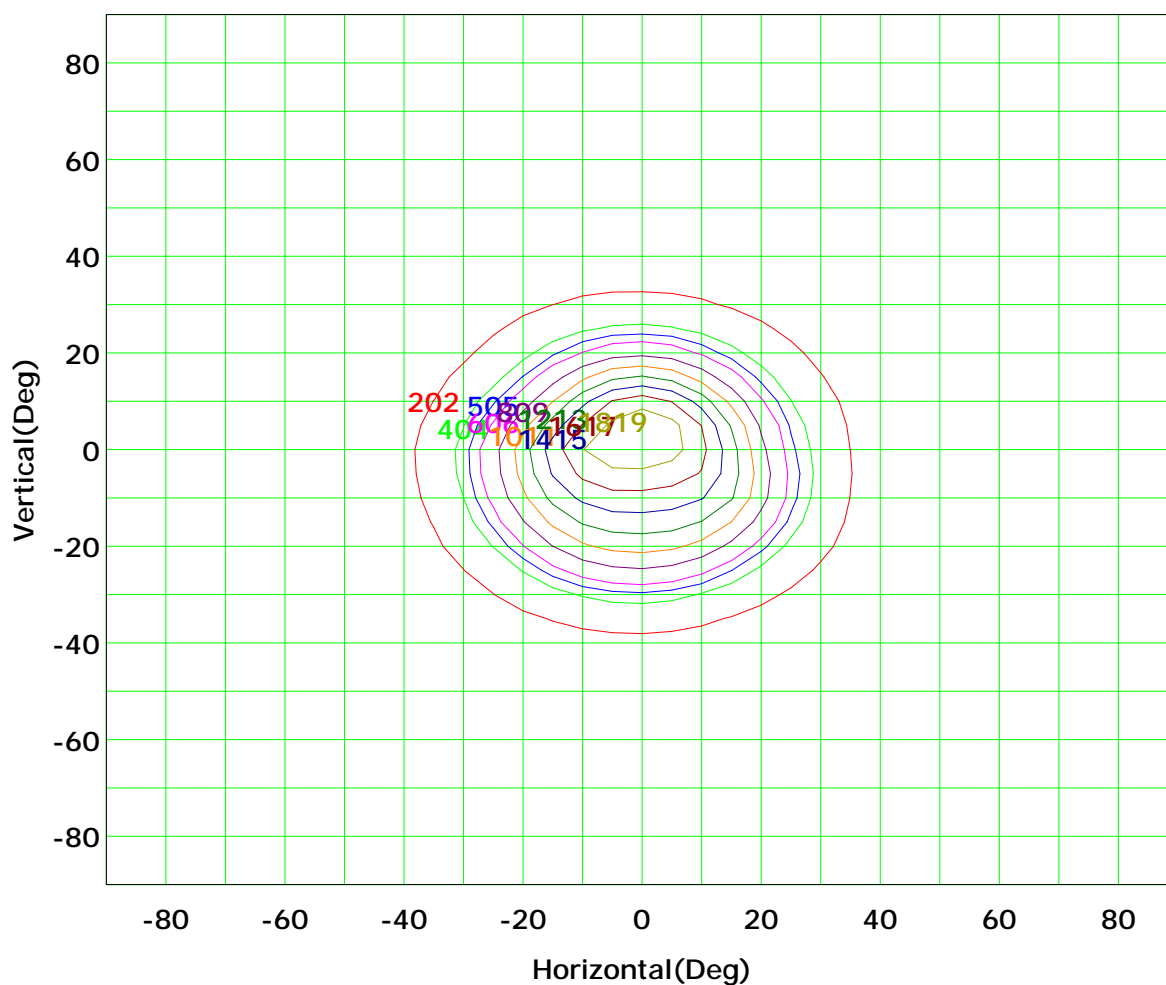
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



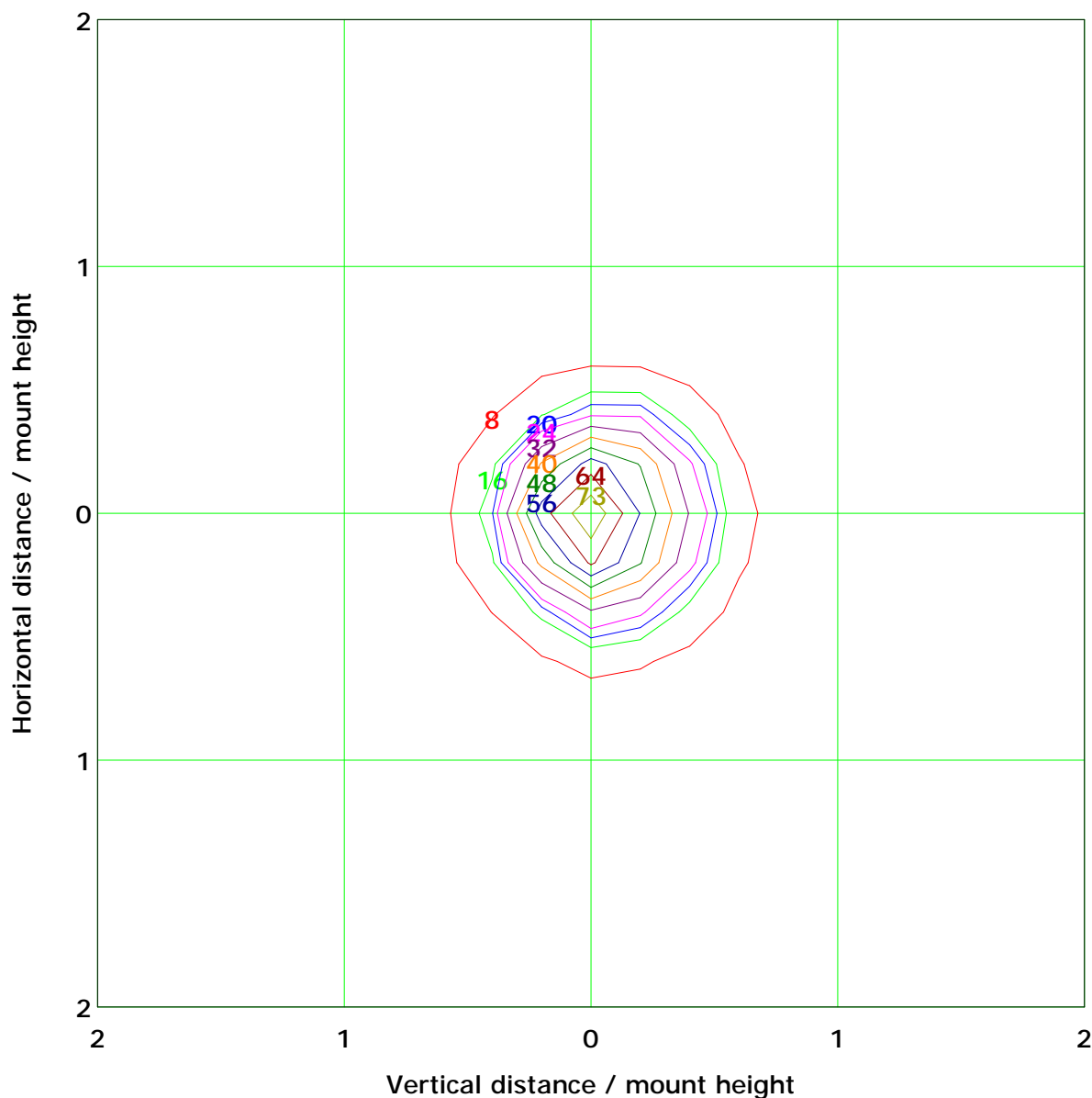
Imax (100%): 2021 cd

( 10%): 202 cd	( 20%): 404 cd
( 25%): 505 cd	( 30%): 606 cd
( 40%): 809 cd	( 50%): 1011 cd
( 60%): 1213 cd	( 70%): 1415 cd
( 80%): 1617 cd	( 90%): 1819 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%): 80.6 lx	
( 10%): 8.1 lx	( 20%): 16.1 lx
( 25%): 20.1 lx	( 30%): 24.2 lx
( 40%): 32.2 lx	( 50%): 40.3 lx
( 60%): 48.3 lx	( 70%): 56.4 lx
( 80%): 64.4 lx	( 90%): 72.5 lx

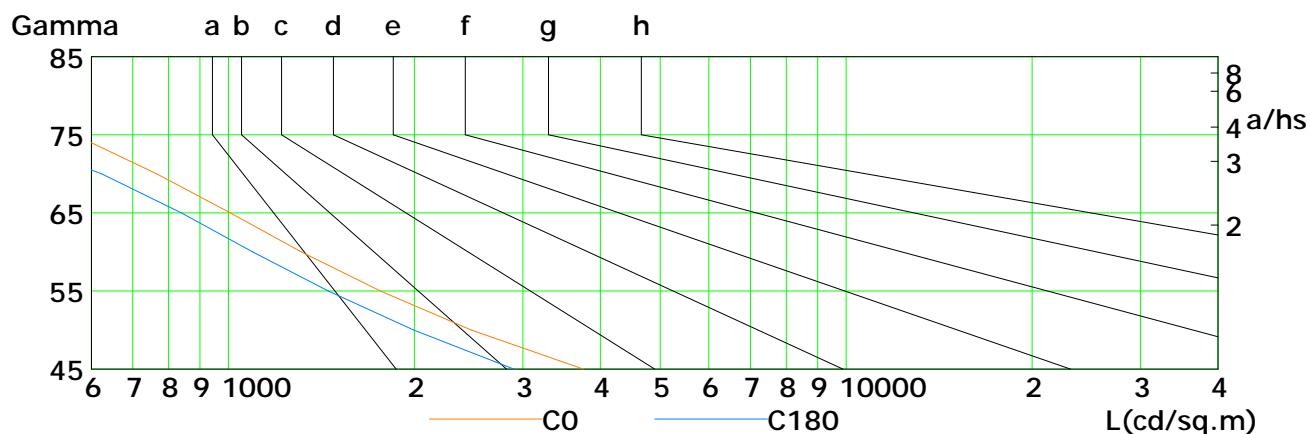
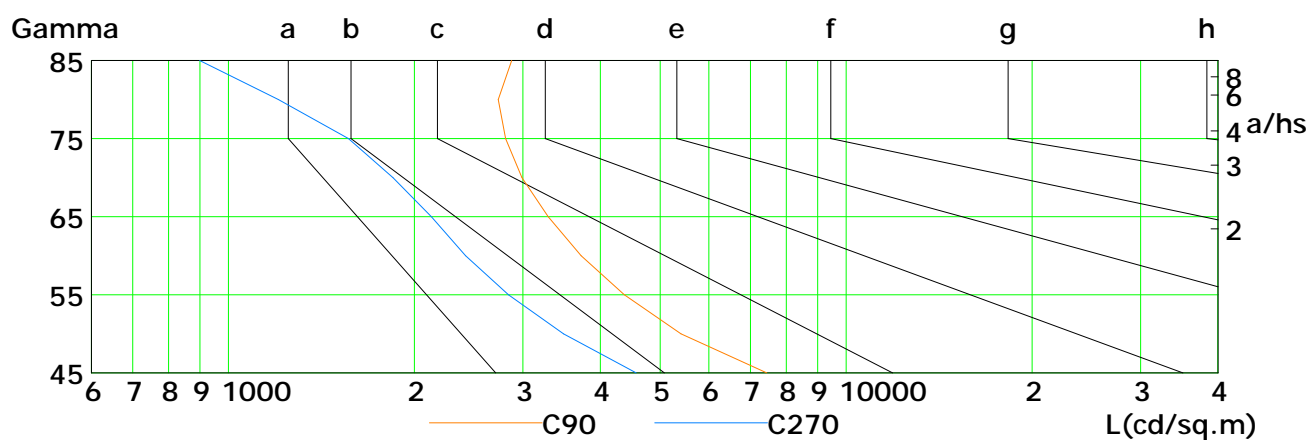
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

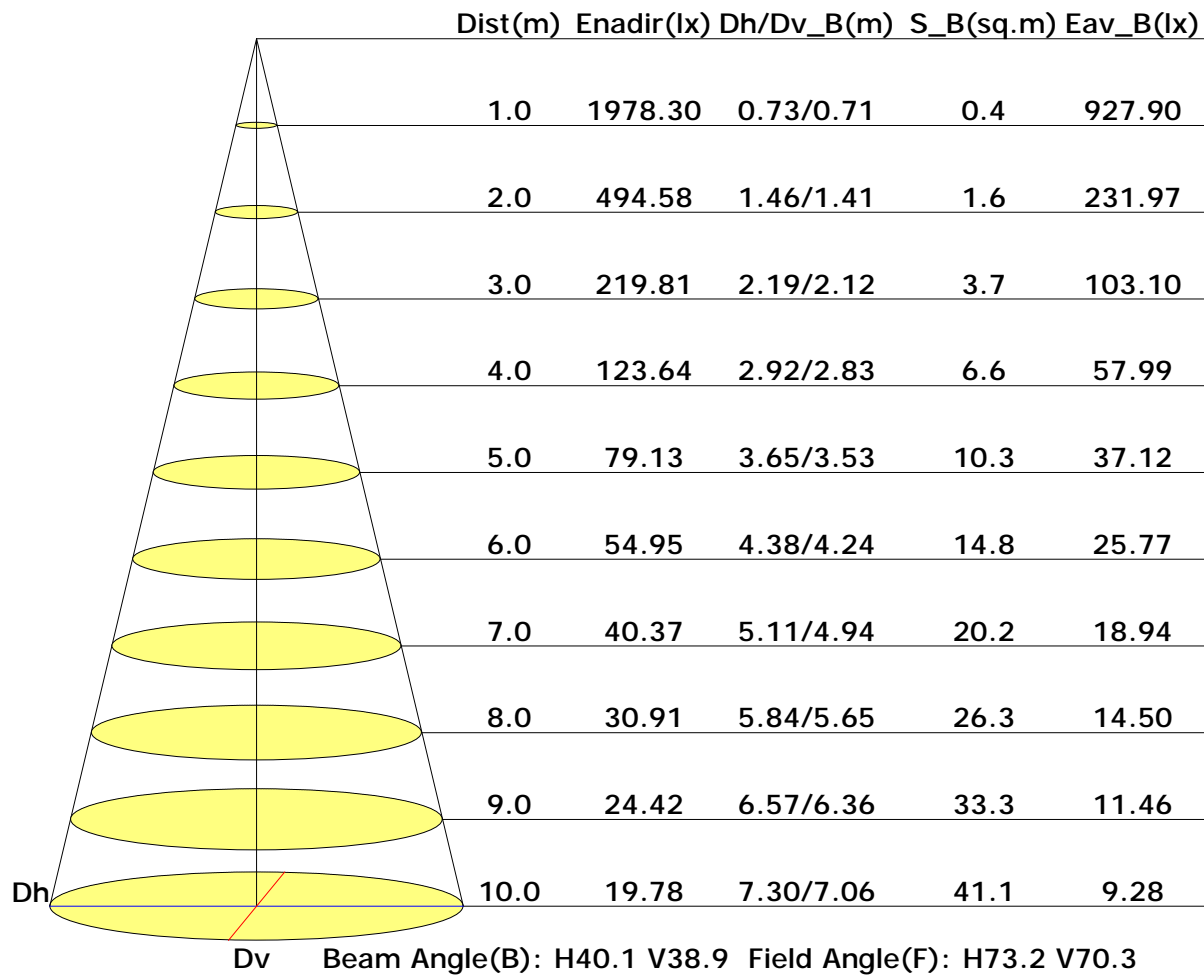


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3756	2476	1762	1314	1008	766	565	373	192
C90	7447	5407	4376	3726	3296	2989	2812	2735	2876
C180	2898	1996	1452	1095	839	624	433	247	81
C270	4574	3490	2840	2421	2133	1848	1565	1205	899

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:

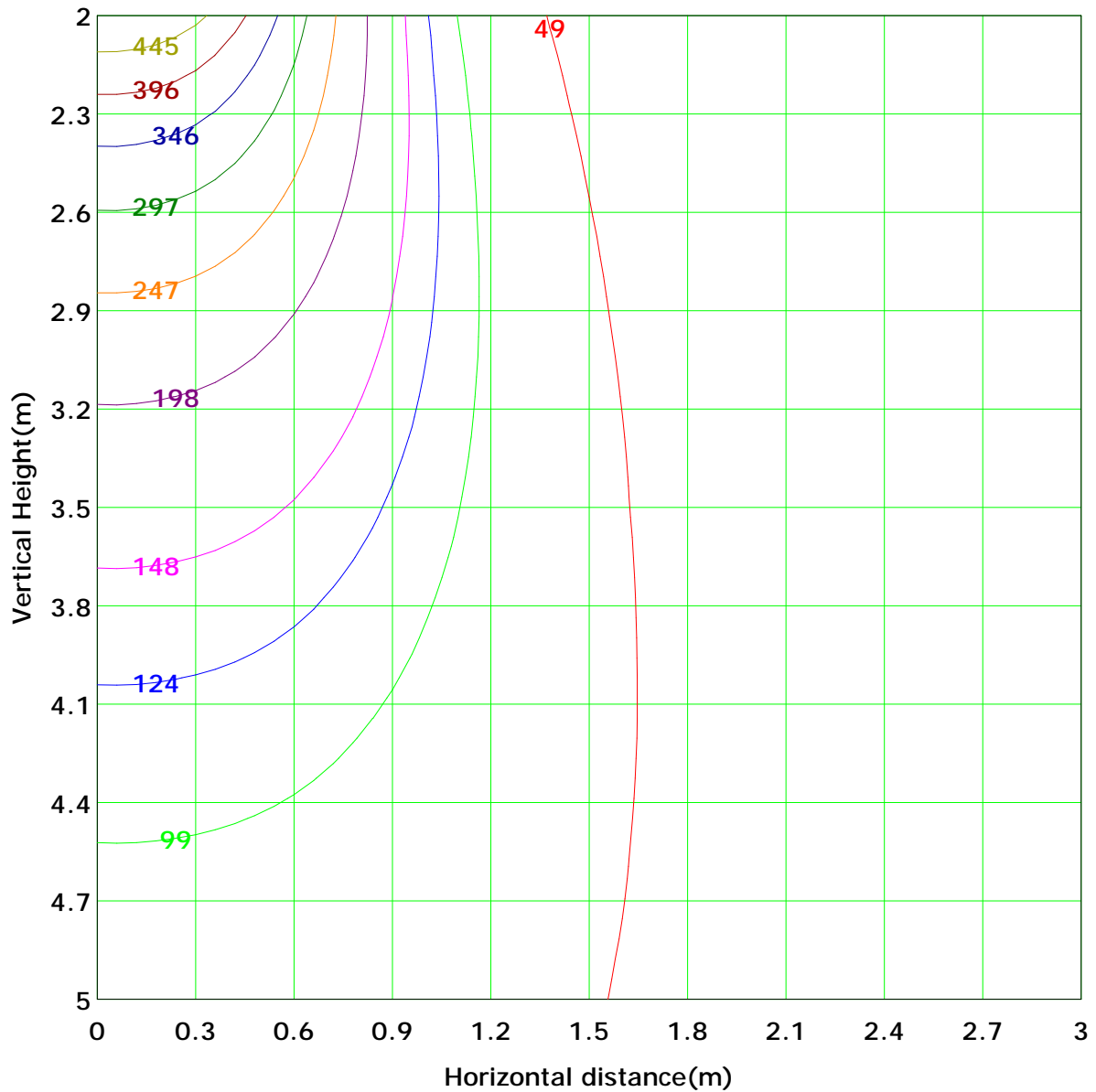
## Illuminance at a Distance







## Vertical IsoLux Plot



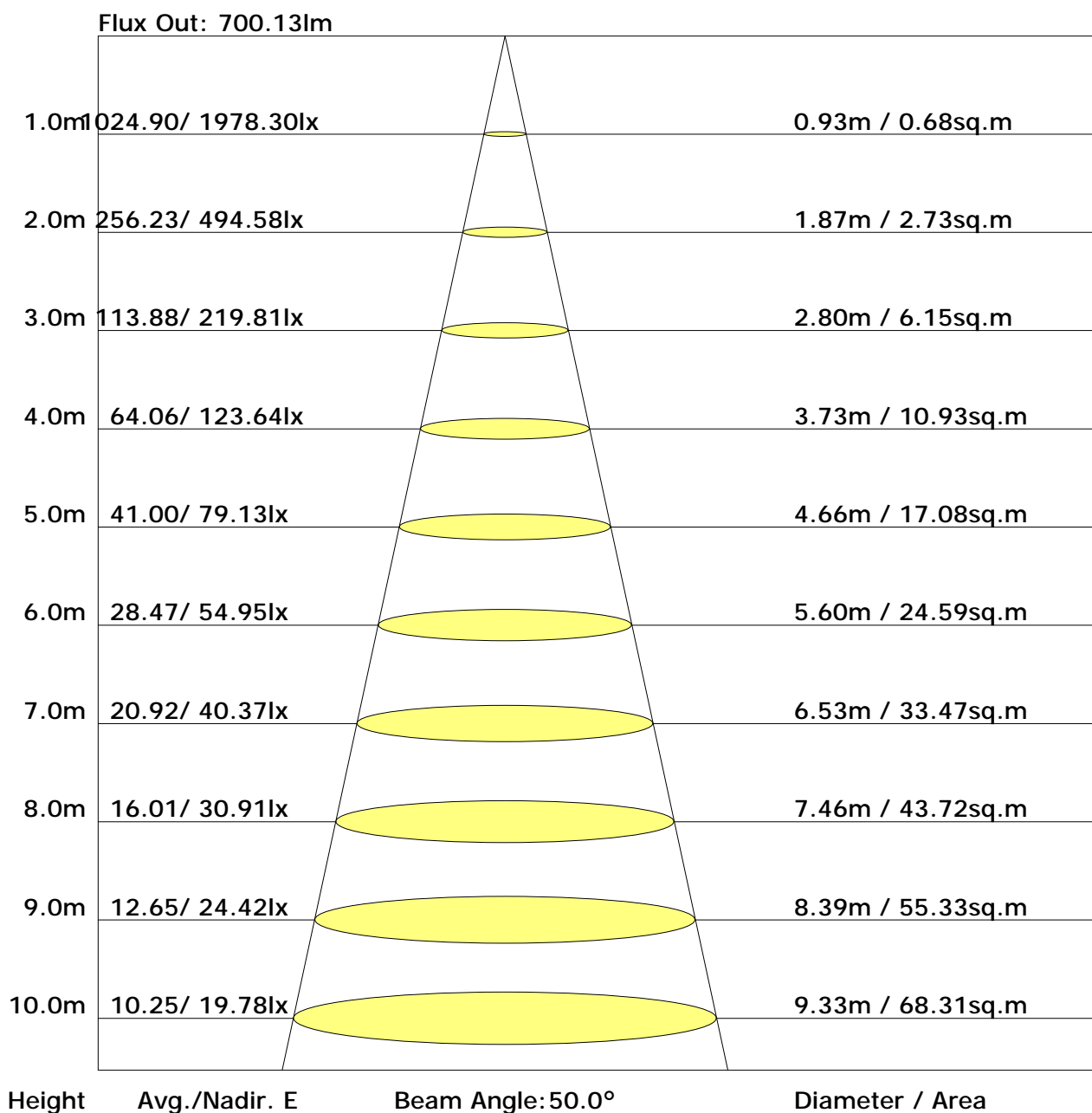
Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 494.6 lx
( 10%): 49.5 lx	( 20%): 98.9 lx	
( 25%): 123.6 lx	( 30%): 148.4 lx	
( 40%): 197.8 lx	( 50%): 247.3 lx	
( 60%): 296.7 lx	( 70%): 346.2 lx	
( 80%): 395.7 lx	( 90%): 445.1 lx	

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	9.9	10.9	10.3	11.2	11.6	8.8	9.8	9.2	10.2	10.5
3H	11.1	12.1	11.6	12.4	12.8	9.8	10.7	10.2	11.0	11.4
4H	11.6	12.5	12.1	12.9	13.3	10.1	10.9	10.5	11.3	11.7
6H	12.0	12.8	12.5	13.2	13.6	10.3	11.0	10.7	11.4	11.9
8H	12.1	12.9	12.6	13.3	13.7	10.3	11.0	10.8	11.5	11.9
12H	12.2	12.9	12.7	13.3	13.8	10.3	11.0	10.8	11.4	11.9
X=4H Y=2H	10.0	10.8	10.4	11.2	11.6	9.2	10.0	9.6	10.4	10.8
3H	11.4	12.1	11.8	12.5	12.9	10.3	11.0	10.7	11.4	11.9
4H	11.9	12.6	12.4	13.0	13.5	10.7	11.3	11.2	11.8	12.2
6H	12.4	12.9	12.9	13.4	13.9	11.0	11.5	11.5	12.0	12.5
8H	12.5	13.0	13.0	13.5	14.0	11.0	11.5	11.5	12.0	12.5
12H	12.7	13.1	13.2	13.6	14.1	11.1	11.5	11.6	12.0	12.5
X=8H Y=4H	11.9	12.4	12.4	12.9	13.4	10.8	11.3	11.3	11.8	12.3
6H	12.4	12.8	13.0	13.4	13.9	11.2	11.6	11.7	12.1	12.6
8H	12.6	13.0	13.2	13.5	14.0	11.3	11.7	11.9	12.2	12.8
12H	12.8	13.1	13.3	13.6	14.2	11.4	11.7	12.0	12.2	12.9
X=12H Y=4H	11.9	12.3	12.4	12.8	13.3	10.8	11.2	11.3	11.8	12.3
6H	12.4	12.7	13.0	13.2	13.8	11.2	11.6	11.8	12.1	12.6
8H	12.6	12.9	13.2	13.4	14.1	11.4	11.7	11.9	12.2	12.8

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 = 0.75								
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	0.84	0.90	0.94	0.97	1.02	1.04	1.06	1.09	1.10
	0.30		0.79	0.86	0.90	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.76	0.82	0.87	0.90	0.95	0.98	1.01	1.04	1.06
0.50	0.50	0.20	0.82	0.88	0.92	0.95	0.98	1.01	1.02	1.05	1.06
	0.30		0.78	0.84	0.88	0.91	0.96	0.98	1.00	1.03	1.04
	0.20		0.75	0.81	0.86	0.89	0.93	0.96	0.98	1.01	1.03
0.30	0.50	0.20	0.81	0.87	0.90	0.92	0.96	0.98	0.99	1.01	1.02
	0.30		0.77	0.83	0.87	0.90	0.93	0.96	0.97	0.99	1.01
	0.20		0.75	0.81	0.84	0.87	0.91	0.94	0.96	0.98	0.99
0.00	0.00	0.00	0.73	0.78	0.82	0.85	0.88	0.90	0.91	0.93	0.95
Rating: 18W 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 = 0.75								
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	0.59	0.48	0.41	0.35	0.28	0.23	0.20	0.15	0.12
	0.30		0.50	0.41	0.36	0.31	0.25	0.21	0.18	0.14	0.12
	0.20		0.43	0.36	0.32	0.28	0.23	0.20	0.17	0.14	0.11
0.50	0.50	0.20	0.56	0.45	0.38	0.33	0.26	0.25	0.18	0.14	0.11
	0.30		0.48	0.39	0.34	0.29	0.24	0.20	0.17	0.13	0.11
	0.20		0.41	0.35	0.30	0.27	0.22	0.18	0.16	0.13	0.10
0.30	0.50	0.20	0.54	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.10
	0.30		0.46	0.38	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.40	0.34	0.29	0.25	0.21	0.17	0.15	0.12	0.10
0.00	0.00	0.00	0.27	0.21	0.18	0.15	0.12	0.10	0.08	0.06	0.05
Rating: 18W 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 = 0.75									
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	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19	
0.50	0.50	0.20	0.14	0.15	0.17	0.17	0.19	0.19	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19	
0.30	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.18	
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: 18W 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	1965.6	1.9	1.9	0.17	0.17
1.0-2.0	1959.6	5.6	7.5	0.50	0.67
2.0-3.0	1947.7	9.3	16.8	0.83	1.50
3.0-4.0	1930.6	12.9	29.7	1.15	2.66
4.0-5.0	1907.6	16.4	46.2	1.47	4.12
5.0-6.0	1878.6	19.7	65.9	1.76	5.88
6.0-7.0	1844.0	22.9	88.8	2.04	7.93
7.0-8.0	1803.5	25.8	114.6	2.30	10.23
8.0-9.0	1757.1	28.5	143.1	2.54	12.78
9.0-10.0	1704.8	30.9	173.9	2.75	15.53
10.0-11.0	1647.0	32.9	206.9	2.94	18.47
11.0-12.0	1583.6	34.6	241.5	3.09	21.56
12.0-13.0	1515.4	36.0	277.5	3.21	24.77
13.0-14.0	1444.2	37.0	314.4	3.30	28.07
14.0-15.0	1369.6	37.6	352.0	3.36	31.43
15.0-16.0	1293.1	37.9	389.9	3.38	34.81
16.0-17.0	1216.4	37.9	427.8	3.38	38.20
17.0-18.0	1138.8	37.6	465.4	3.35	41.55
18.0-19.0	1061.3	36.9	502.3	3.30	44.85
19.0-20.0	986.0	36.1	538.4	3.22	48.07
20.0-21.0	912.6	35.0	573.4	3.13	51.20
21.0-22.0	841.2	33.8	607.2	3.02	54.22
22.0-23.0	773.5	32.5	639.7	2.90	57.12
23.0-24.0	708.9	31.0	670.7	2.77	59.88
24.0-25.0	647.2	29.4	700.1	2.63	62.51
25.0-26.0	589.8	27.8	728.0	2.49	65.00
26.0-27.0	536.5	26.3	754.2	2.34	67.34
27.0-28.0	486.4	24.6	778.8	2.20	69.54
28.0-29.0	439.8	23.0	801.9	2.05	71.59
29.0-30.0	397.4	21.5	823.3	1.92	73.51
30.0-31.0	358.2	19.9	843.3	1.78	75.29
31.0-32.0	322.2	18.5	861.7	1.65	76.94
32.0-33.0	289.7	17.1	878.8	1.52	78.46
33.0-34.0	260.0	15.7	894.5	1.41	79.87
34.0-35.0	233.3	14.5	909.0	1.29	81.16
35.0-36.0	209.5	13.3	922.4	1.19	82.35

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	188.2	12.3	934.6	1.10	83.45
37.0-38.0	169.2	11.3	945.9	1.01	84.46
38.0-39.0	152.2	10.4	956.3	0.93	85.39
39.0-40.0	137.0	9.6	965.9	0.85	86.24
40.0-41.0	123.6	8.8	974.7	0.79	87.02
41.0-42.0	111.8	8.1	982.8	0.73	87.75
42.0-43.0	101.4	7.5	990.3	0.67	88.42
43.0-44.0	92.3	7.0	997.3	0.62	89.04
44.0-45.0	84.3	6.5	1003.8	0.58	89.62
45.0-46.0	77.2	6.0	1009.8	0.54	90.16
46.0-47.0	71.0	5.6	1015.4	0.50	90.66
47.0-48.0	65.6	5.3	1020.7	0.47	91.14
48.0-49.0	60.8	5.0	1025.7	0.45	91.58
49.0-50.0	56.5	4.7	1030.5	0.42	92.00
50.0-51.0	52.6	4.5	1034.9	0.40	92.40
51.0-52.0	49.1	4.2	1039.1	0.38	92.78
52.0-53.0	46.0	4.0	1043.1	0.36	93.14
53.0-54.0	43.2	3.8	1046.9	0.34	93.48
54.0-55.0	40.6	3.6	1050.6	0.32	93.80
55.0-56.0	38.2	3.5	1054.0	0.31	94.11
56.0-57.0	36.0	3.3	1057.3	0.29	94.40
57.0-58.0	33.9	3.1	1060.4	0.28	94.68
58.0-59.0	32.0	3.0	1063.4	0.27	94.95
59.0-60.0	30.2	2.9	1066.3	0.25	95.20
60.0-61.0	28.5	2.7	1069.0	0.24	95.44
61.0-62.0	26.9	2.6	1071.6	0.23	95.68
62.0-63.0	25.4	2.5	1074.0	0.22	95.90
63.0-64.0	23.9	2.3	1076.4	0.21	96.11
64.0-65.0	22.5	2.2	1078.6	0.20	96.30
65.0-66.0	21.2	2.1	1080.7	0.19	96.49
66.0-67.0	20.0	2.0	1082.7	0.18	96.67
67.0-68.0	18.8	1.9	1084.6	0.17	96.84
68.0-69.0	17.6	1.8	1086.4	0.16	97.00
69.0-70.0	16.5	1.7	1088.1	0.15	97.15
70.0-71.0	15.4	1.6	1089.7	0.14	97.30
71.0-72.0	14.4	1.5	1091.2	0.13	97.43

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	13.4	1.4	1092.6	0.12	97.55
73.0-74.0	12.4	1.3	1093.9	0.12	97.67
74.0-75.0	11.4	1.2	1095.1	0.11	97.78
75.0-76.0	10.5	1.1	1096.2	0.10	97.88
76.0-77.0	9.6	1.0	1097.3	0.09	97.97
77.0-78.0	8.8	0.9	1098.2	0.08	98.05
78.0-79.0	7.9	0.8	1099.1	0.08	98.13
79.0-80.0	7.1	0.8	1099.8	0.07	98.20
80.0-81.0	6.3	0.7	1100.5	0.06	98.26
81.0-82.0	5.6	0.6	1101.1	0.05	98.31
82.0-83.0	4.9	0.5	1101.6	0.05	98.36
83.0-84.0	4.2	0.5	1102.1	0.04	98.40
84.0-85.0	3.5	0.4	1102.5	0.03	98.43
85.0-86.0	3.0	0.3	1102.8	0.03	98.46
86.0-87.0	2.5	0.3	1103.1	0.02	98.49
87.0-88.0	2.2	0.2	1103.3	0.02	98.51
88.0-89.0	1.9	0.2	1103.5	0.02	98.53
89.0-90.0	1.6	0.2	1103.7	0.02	98.54
90.0-91.0	1.4	0.2	1103.8	0.01	98.56
91.0-92.0	1.2	0.1	1104.0	0.01	98.57
92.0-93.0	1.1	0.1	1104.1	0.01	98.58
93.0-94.0	1.0	0.1	1104.2	0.01	98.59
94.0-95.0	1.0	0.1	1104.3	0.01	98.60
95.0-96.0	1.0	0.1	1104.4	0.01	98.61
96.0-97.0	1.0	0.1	1104.5	0.01	98.62
97.0-98.0	1.0	0.1	1104.6	0.01	98.63
98.0-99.0	1.0	0.1	1104.8	0.01	98.64
99.0-100.0	1.0	0.1	1104.9	0.01	98.65
100.0-101.0	1.0	0.1	1105.0	0.01	98.66
101.0-102.0	1.0	0.1	1105.1	0.01	98.67
102.0-103.0	1.0	0.1	1105.2	0.01	98.68
103.0-104.0	1.1	0.1	1105.3	0.01	98.69
104.0-105.0	1.0	0.1	1105.4	0.01	98.70
105.0-106.0	1.1	0.1	1105.5	0.01	98.71
106.0-107.0	1.1	0.1	1105.6	0.01	98.72
107.0-108.0	1.1	0.1	1105.8	0.01	98.73

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	1.1	0.1	1105.9	0.01	98.74
109.0-110.0	1.1	0.1	1106.0	0.01	98.75
110.0-111.0	1.1	0.1	1106.1	0.01	98.76
111.0-112.0	1.2	0.1	1106.2	0.01	98.77
112.0-113.0	1.2	0.1	1106.4	0.01	98.78
113.0-114.0	1.3	0.1	1106.5	0.01	98.79
114.0-115.0	1.3	0.1	1106.6	0.01	98.80
115.0-116.0	1.3	0.1	1106.7	0.01	98.82
116.0-117.0	1.4	0.1	1106.9	0.01	98.83
117.0-118.0	1.4	0.1	1107.0	0.01	98.84
118.0-119.0	1.5	0.1	1107.2	0.01	98.85
119.0-120.0	1.6	0.1	1107.3	0.01	98.87
120.0-121.0	1.6	0.2	1107.5	0.01	98.88
121.0-122.0	1.7	0.2	1107.6	0.01	98.89
122.0-123.0	1.8	0.2	1107.8	0.01	98.91
123.0-124.0	1.8	0.2	1108.0	0.01	98.92
124.0-125.0	1.9	0.2	1108.1	0.02	98.94
125.0-126.0	2.0	0.2	1108.3	0.02	98.95
126.0-127.0	2.1	0.2	1108.5	0.02	98.97
127.0-128.0	2.2	0.2	1108.7	0.02	98.99
128.0-129.0	2.3	0.2	1108.9	0.02	99.01
129.0-130.0	2.4	0.2	1109.1	0.02	99.02
130.0-131.0	2.5	0.2	1109.3	0.02	99.04
131.0-132.0	2.6	0.2	1109.5	0.02	99.06
132.0-133.0	2.7	0.2	1109.7	0.02	99.08
133.0-134.0	2.9	0.2	1109.9	0.02	99.10
134.0-135.0	3.0	0.2	1110.2	0.02	99.12
135.0-136.0	3.1	0.2	1110.4	0.02	99.14
136.0-137.0	3.3	0.2	1110.7	0.02	99.17
137.0-138.0	3.4	0.3	1110.9	0.02	99.19
138.0-139.0	3.6	0.3	1111.2	0.02	99.21
139.0-140.0	3.7	0.3	1111.4	0.02	99.23
140.0-141.0	3.9	0.3	1111.7	0.02	99.26
141.0-142.0	4.0	0.3	1112.0	0.02	99.28
142.0-143.0	4.2	0.3	1112.3	0.03	99.31
143.0-144.0	4.4	0.3	1112.5	0.03	99.33

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	4.6	0.3	1112.8	0.03	99.36
145.0-146.0	4.7	0.3	1113.1	0.03	99.39
146.0-147.0	4.9	0.3	1113.4	0.03	99.41
147.0-148.0	5.1	0.3	1113.7	0.03	99.44
148.0-149.0	5.2	0.3	1114.0	0.03	99.47
149.0-150.0	5.4	0.3	1114.3	0.03	99.49
150.0-151.0	5.6	0.3	1114.6	0.03	99.52
151.0-152.0	5.7	0.3	1114.9	0.03	99.55
152.0-153.0	5.9	0.3	1115.2	0.03	99.57
153.0-154.0	6.0	0.3	1115.5	0.03	99.60
154.0-155.0	6.2	0.3	1115.8	0.03	99.62
155.0-156.0	6.3	0.3	1116.1	0.03	99.65
156.0-157.0	6.4	0.3	1116.4	0.03	99.68
157.0-158.0	6.6	0.3	1116.6	0.02	99.70
158.0-159.0	6.7	0.3	1116.9	0.02	99.72
159.0-160.0	6.8	0.3	1117.2	0.02	99.75
160.0-161.0	6.9	0.3	1117.4	0.02	99.77
161.0-162.0	7.0	0.2	1117.7	0.02	99.79
162.0-163.0	7.1	0.2	1117.9	0.02	99.81
163.0-164.0	7.2	0.2	1118.1	0.02	99.83
164.0-165.0	7.3	0.2	1118.3	0.02	99.85
165.0-166.0	7.4	0.2	1118.5	0.02	99.87
166.0-167.0	7.5	0.2	1118.7	0.02	99.89
167.0-168.0	7.6	0.2	1118.9	0.02	99.90
168.0-169.0	7.7	0.2	1119.1	0.01	99.92
169.0-170.0	7.8	0.2	1119.2	0.01	99.93
170.0-171.0	7.9	0.1	1119.4	0.01	99.94
171.0-172.0	7.9	0.1	1119.5	0.01	99.96
172.0-173.0	8.0	0.1	1119.6	0.01	99.97
173.0-174.0	8.1	0.1	1119.7	0.01	99.97
174.0-175.0	8.1	0.1	1119.8	0.01	99.98
175.0-176.0	8.2	0.1	1119.9	0.01	99.99
176.0-177.0	8.2	0.1	1119.9	0.00	99.99
177.0-178.0	8.2	0.0	1120.0	0.00	100.00
178.0-179.0	8.3	0.0	1120.0	0.00	100.00
179.0-180.0	8.3	0.0	1120.0	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: