

Report No.:

Test Time: 2023/2/21 16:30

## Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: WALL WASHER

Luminaire Description: FORTEACNS12RGBW4030-ALL ON

Luminous Length (mm): 330

Luminous Width (mm): 96

Luminous Height (mm): 162.5

Voltage: 219.4 V

Current: 0.159 A

Power: 32.48 W

Power Factor: 0.931

## Photometric Results

CIE Class: Direct

Measurement Flux: 1134.4 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H83.9,H32

Vertical Diffuse Angle(10%,50%): V74.4,V32.6

Luminaire Efficacy Rating (LER): 35

Max. Intensity: 2035.59 cd

Total Rated Lamp Lumens: 1134.4 lm

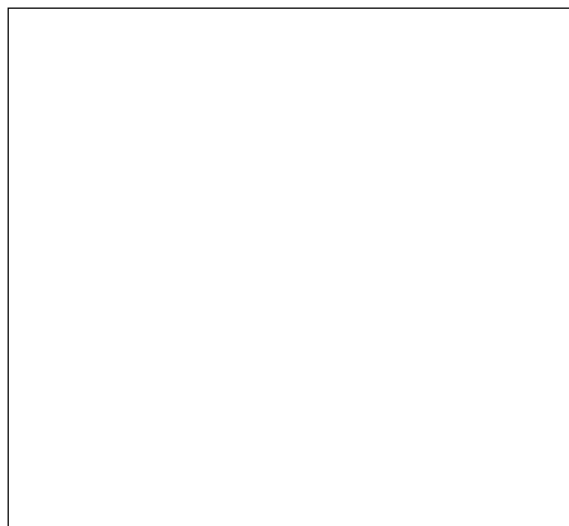
Efficiency: 100%

Upward Ratio: 2%

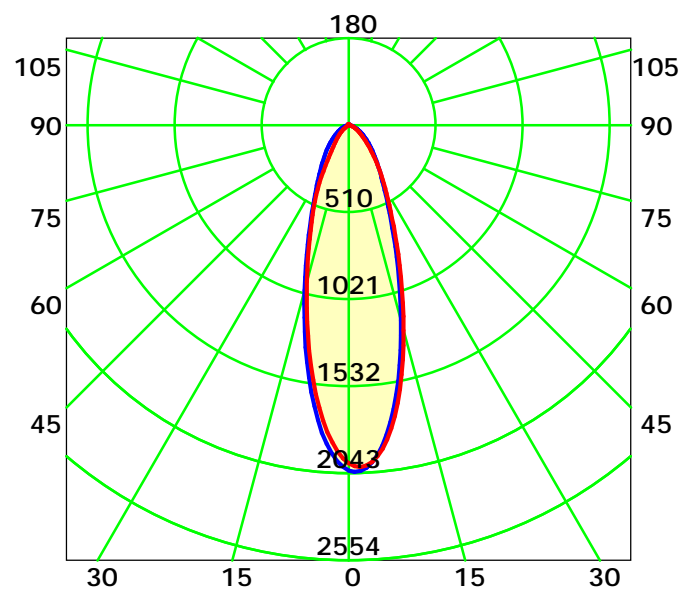
Central Intensity: 2026.99 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 32.3° 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

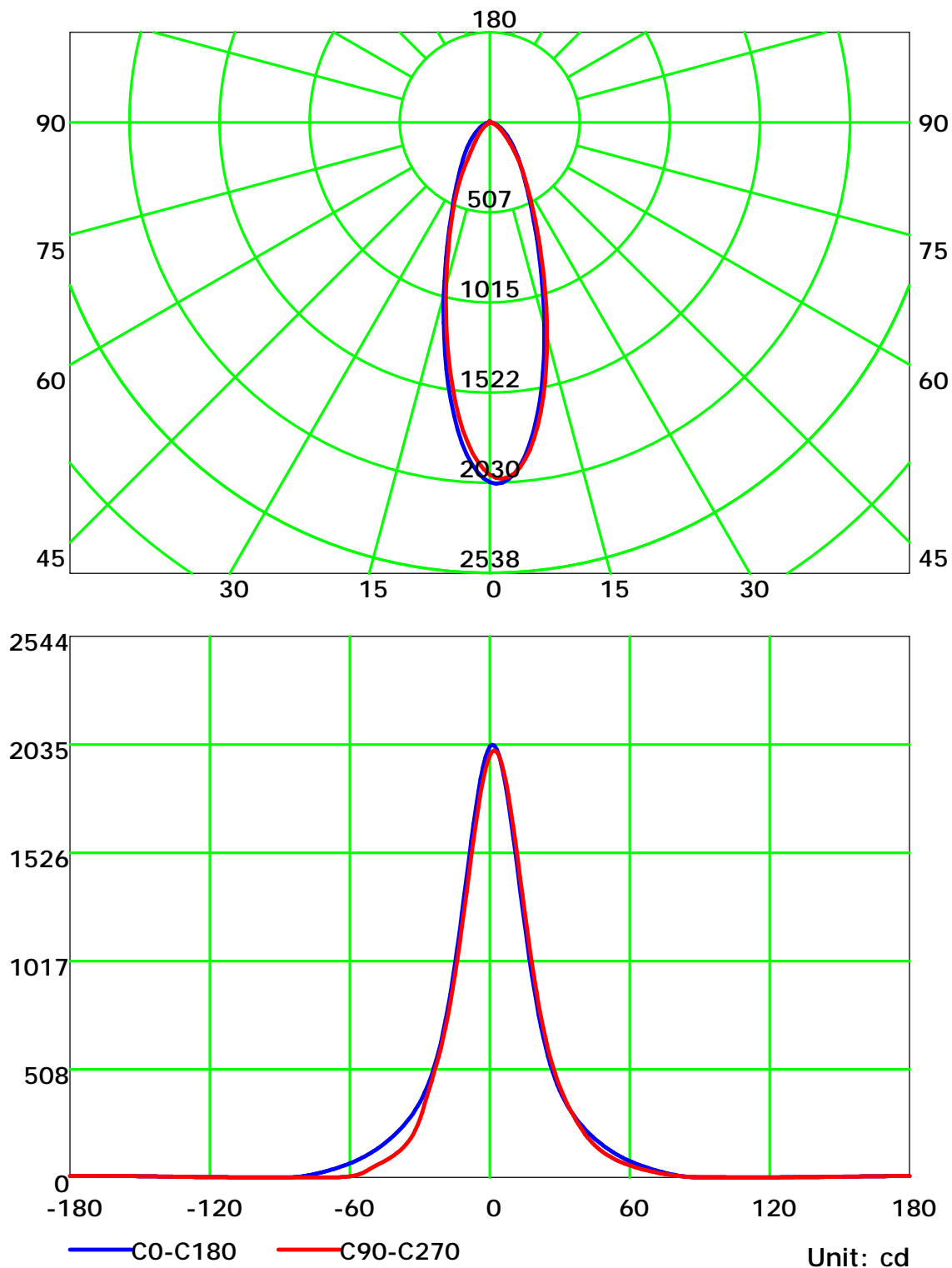
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

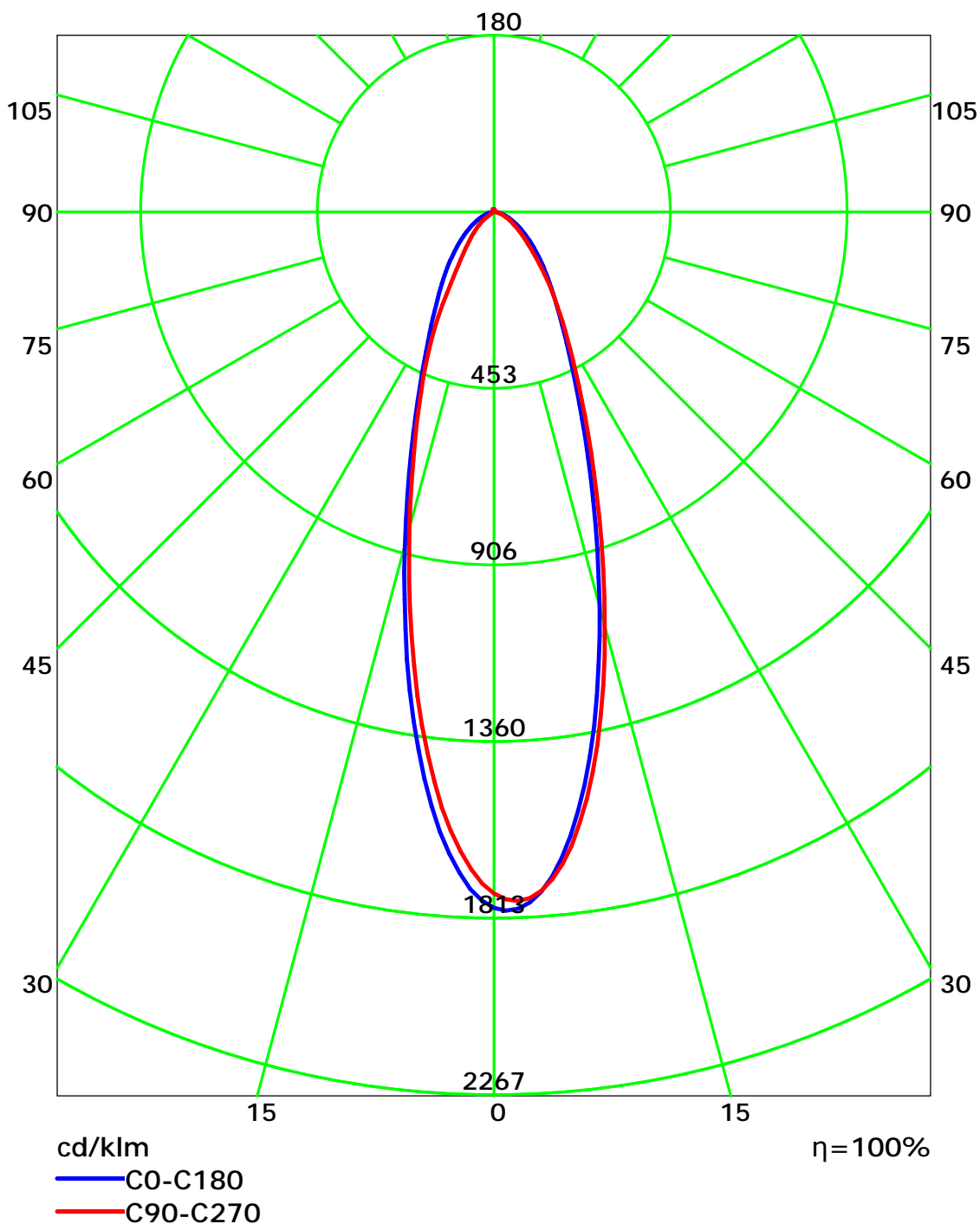
## Luminous Intensity Distribution Curve



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:

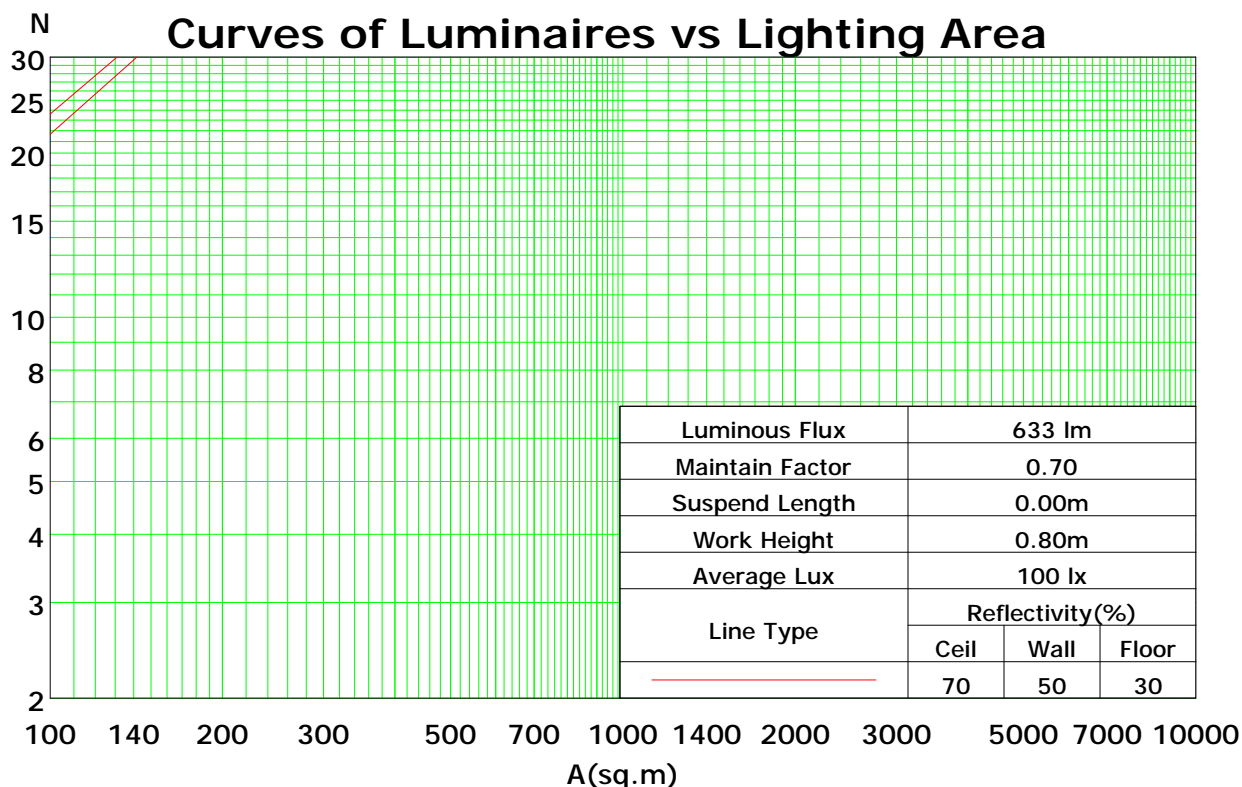
## Coefficients Of Utilization - Zonal Cavity Method

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

Spacing Criteria (0-180): 0.53

Spacing Criteria (90-270): 0.54

Spacing Criteria (Diagonal): 0.58



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

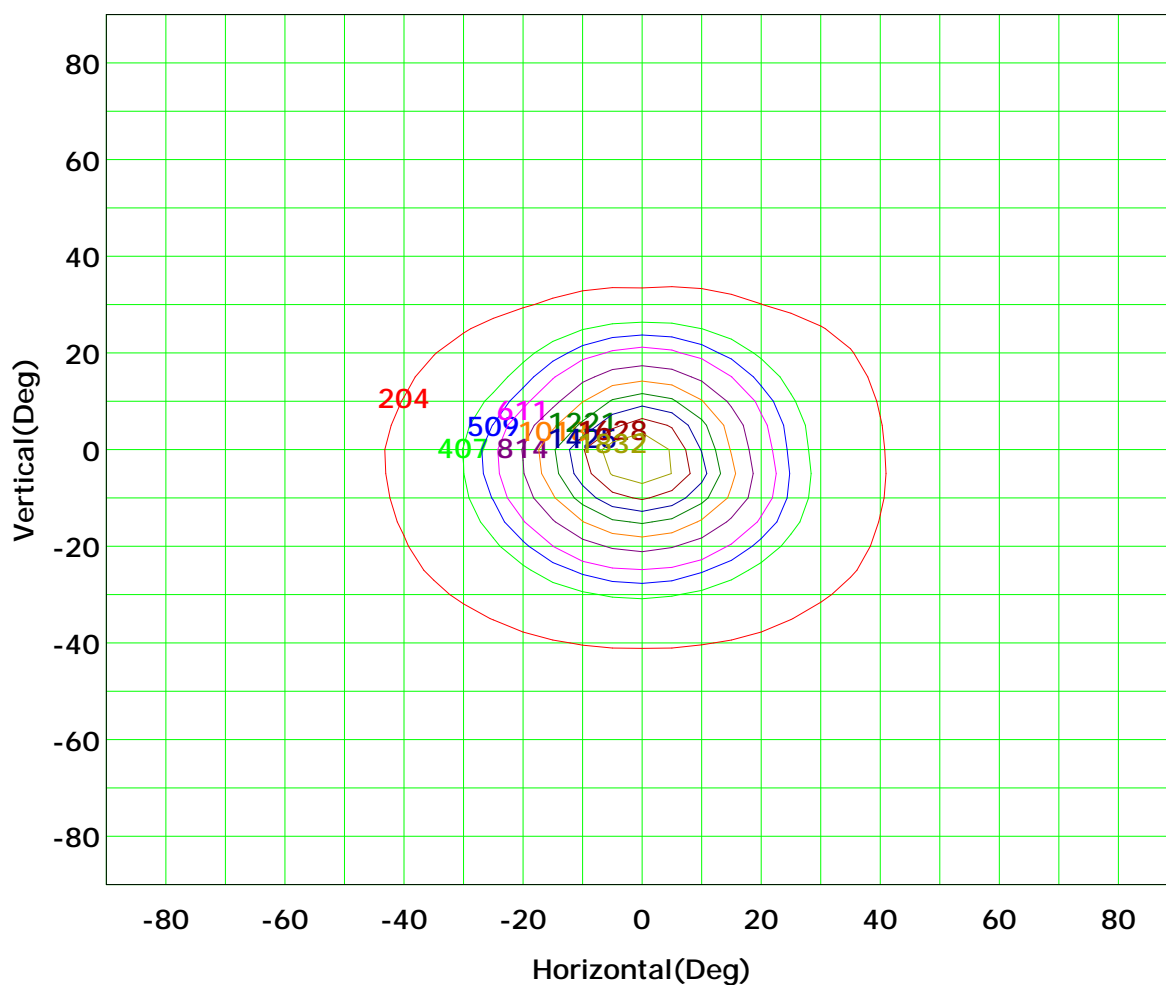
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



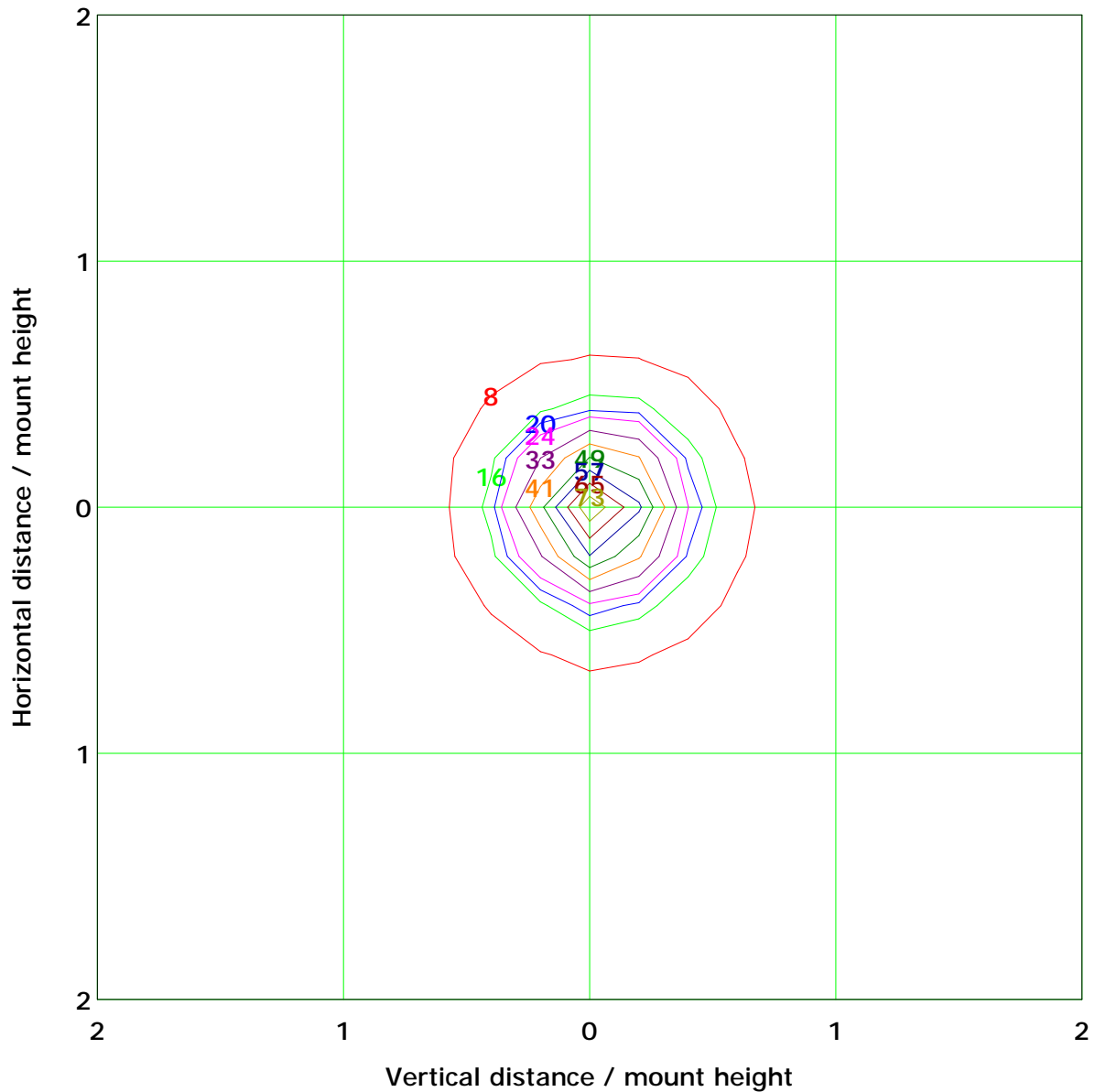
Imax (100%): 2036 cd

( 10%): 204 cd	( 20%): 407 cd
( 25%): 509 cd	( 30%): 611 cd
( 40%): 814 cd	( 50%): 1018 cd
( 60%): 1221 cd	( 70%): 1425 cd
( 80%): 1628 cd	( 90%): 1832 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%): 81.4 lx	
( 10%): 8.1 lx	( 20%): 16.3 lx
( 25%): 20.3 lx	( 30%): 24.4 lx
( 40%): 32.6 lx	( 50%): 40.7 lx
( 60%): 48.8 lx	( 70%): 57.0 lx
( 80%): 65.1 lx	( 90%): 73.2 lx

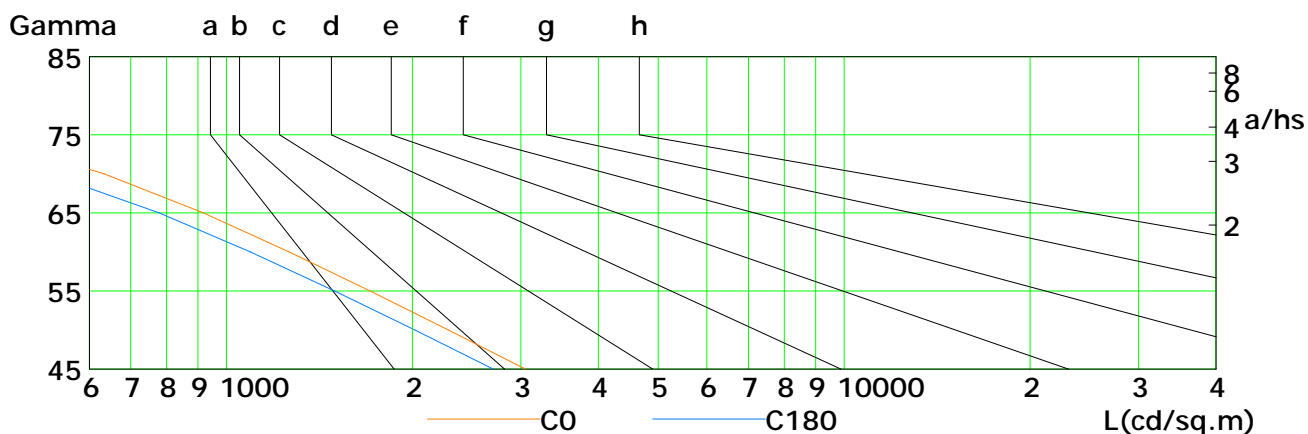
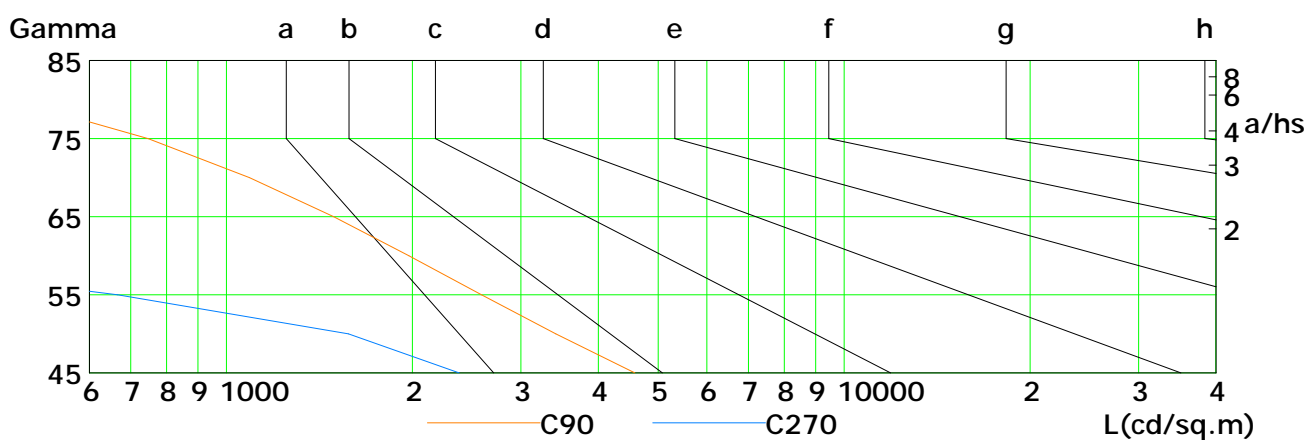
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

## 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

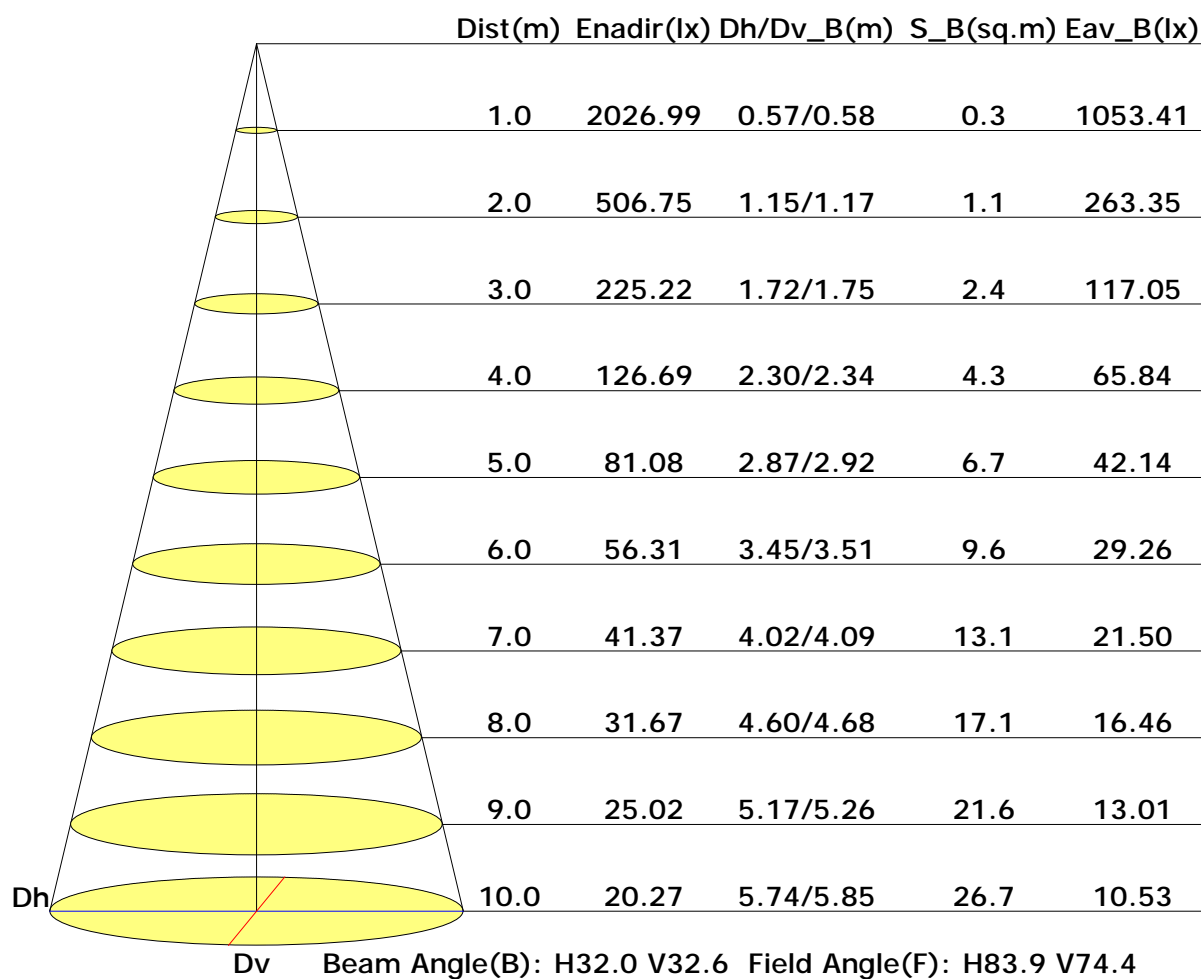


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3049	2288	1709	1265	918	635	396	201	72
C90	4587	3413	2588	1974	1492	1090	747	449	252
C180	2704	2021	1498	1094	779	518	301	133	44
C270	2380	1577	667	227	87	67	70	84	99

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

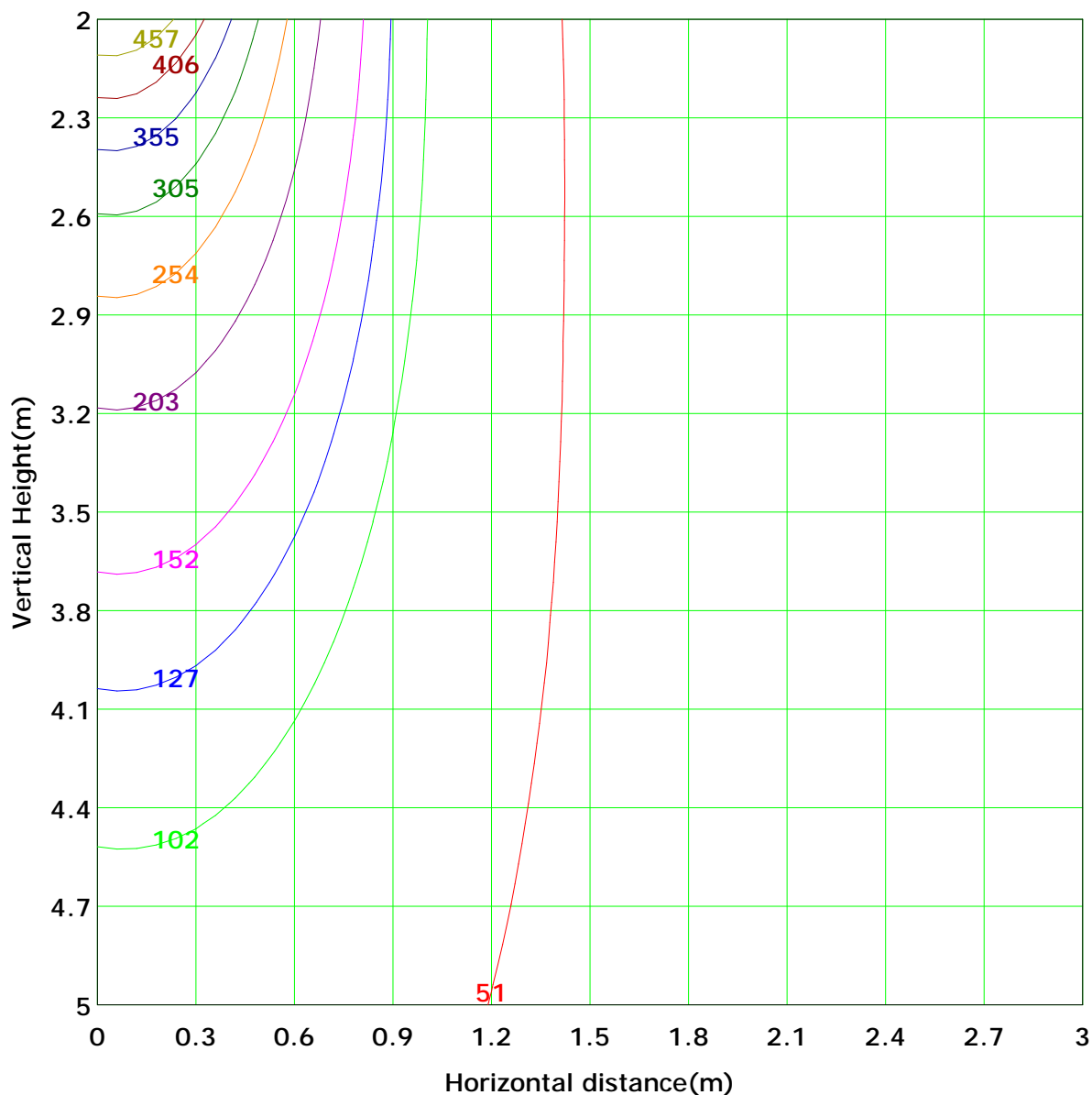


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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



## Vertical IsoLux Plot



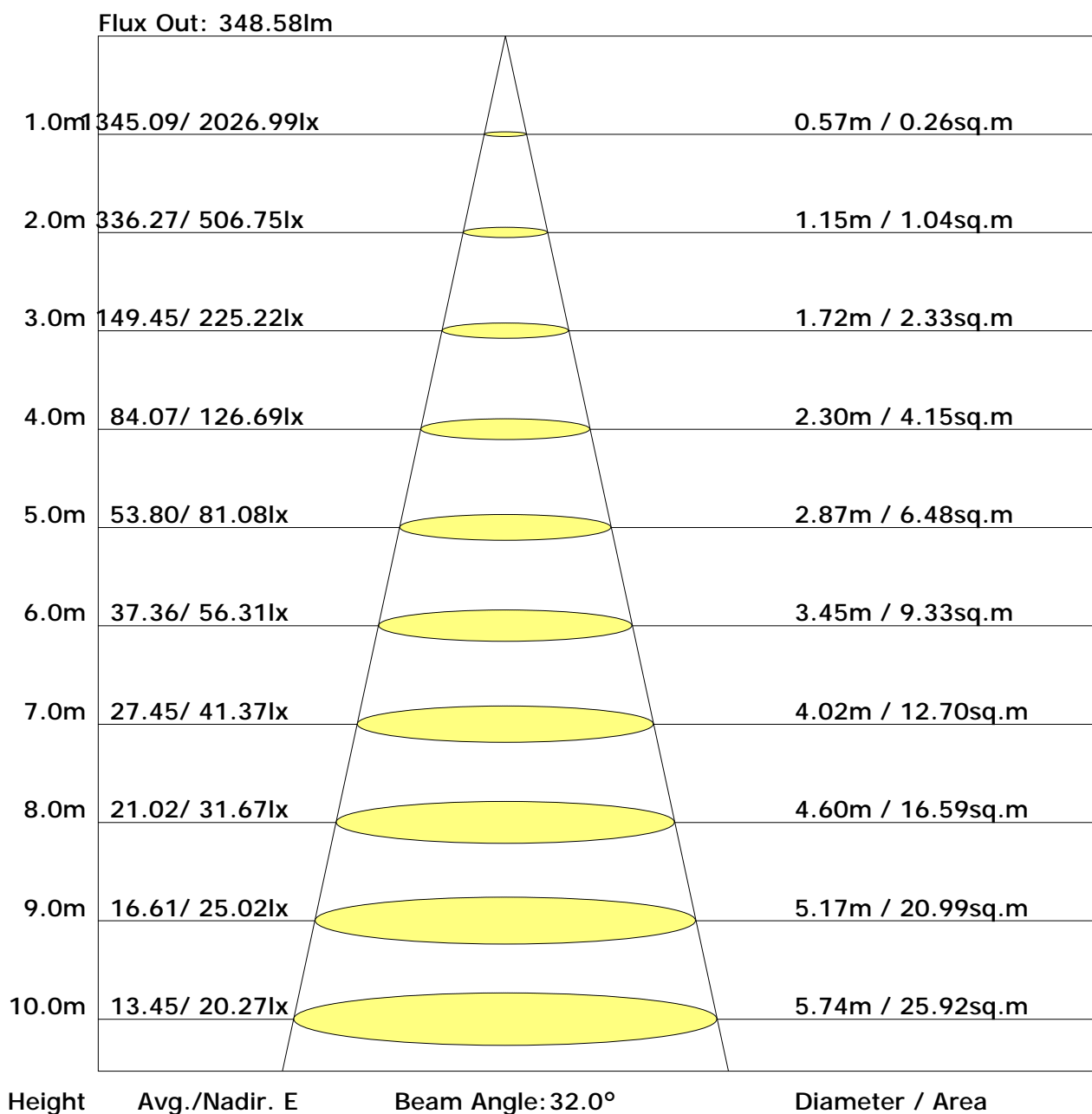
Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 507.6 lx
( 10%): 50.8 lx	( 20%): 101.5 lx	( 30%): 152.3 lx
( 25%): 126.9 lx	( 40%): 203.0 lx	( 50%): 253.8 lx
( 60%): 304.6 lx	( 70%): 355.3 lx	( 80%): 406.1 lx
( 90%): 456.8 lx		

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

<b>Reflectance:</b>										
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
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
X=2H Y=2H	11.1	12.3	11.5	12.6	13.0	9.1	10.2	9.5	10.6	10.9
3H	12.1	13.1	12.5	13.5	13.9	9.8	10.8	10.2	11.1	11.6
4H	12.4	13.3	12.8	13.7	14.1	9.9	10.8	10.3	11.2	11.7
6H	12.5	13.3	12.9	13.7	14.2	9.9	10.8	10.4	11.2	11.7
8H	12.5	13.3	12.9	13.7	14.2	9.9	10.7	10.4	11.2	11.6
12H	12.4	13.2	12.9	13.6	14.1	9.9	10.7	10.4	11.1	11.6
X=4H Y=2H	11.1	12.0	11.5	12.4	12.9	9.5	10.4	9.9	10.8	11.2
3H	12.1	12.9	12.6	13.4	13.8	10.3	11.0	10.7	11.5	11.9
4H	12.4	13.1	12.9	13.6	14.1	10.5	11.1	10.9	11.6	12.1
6H	12.6	13.2	13.1	13.6	14.2	10.5	11.1	11.0	11.6	12.1
8H	12.6	13.1	13.1	13.6	14.1	10.5	11.1	11.0	11.6	12.1
12H	12.5	13.0	13.1	13.5	14.1	10.5	11.0	11.0	11.5	12.0
X=8H Y=4H	12.3	12.9	12.8	13.4	13.9	10.5	11.1	11.0	11.6	12.1
6H	12.5	12.9	13.0	13.5	14.0	10.6	11.1	11.2	11.6	12.1
8H	12.5	12.9	13.0	13.4	14.0	10.6	11.0	11.2	11.6	12.1
12H	12.5	12.8	13.0	13.4	14.0	10.6	11.0	11.2	11.5	12.1
X=12H Y=4H	12.3	12.8	12.8	13.3	13.8	10.5	11.0	11.0	11.5	12.0
6H	12.4	12.8	13.0	13.3	13.9	10.6	11.0	11.2	11.5	12.1
8H	12.4	12.8	13.0	13.3	13.9	10.6	11.0	11.2	11.5	12.1

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	0.78	0.86	0.91	0.94	0.99	1.02	1.05	1.07	1.09
	0.30		0.73	0.81	0.86	0.90	0.95	0.99	1.01	1.05	1.07
	0.20		0.69	0.77	0.82	0.86	0.92	0.96	0.99	1.02	1.05
0.50	0.50	0.20	0.77	0.84	0.88	0.92	0.96	0.99	1.01	1.03	1.05
	0.30		0.72	0.79	0.84	0.88	0.93	0.96	0.98	1.01	1.03
	0.20		0.69	0.76	0.81	0.85	0.90	0.93	0.96	0.99	1.01
0.30	0.50	0.20	0.75	0.82	0.86	0.89	0.93	0.95	0.97	0.99	1.01
	0.30		0.71	0.78	0.83	0.86	0.90	0.93	0.95	0.98	0.99
	0.20		0.68	0.75	0.80	0.83	0.88	0.91	0.93	0.96	0.98
0.00	0.00	0.00	0.66	0.73	0.77	0.80	0.84	0.87	0.89	0.91	0.93
Rating: 32W 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	0.68	0.55	0.46	0.40	0.31	0.26	0.22	0.17	0.14
	0.30		0.56	0.47	0.40	0.35	0.29	0.24	0.20	0.16	0.13
	0.20		0.48	0.41	0.36	0.32	0.26	0.22	0.19	0.15	0.13
0.50	0.50	0.20	0.64	0.52	0.44	0.37	0.29	0.28	0.20	0.16	0.13
	0.30		0.54	0.45	0.38	0.34	0.27	0.22	0.19	0.15	0.12
	0.20		0.47	0.40	0.34	0.30	0.25	0.21	0.18	0.14	0.12
0.30	0.50	0.20	0.62	0.49	0.41	0.35	0.27	0.22	0.19	0.14	0.12
	0.30		0.53	0.43	0.37	0.32	0.25	0.21	0.18	0.14	0.11
	0.20		0.46	0.39	0.33	0.29	0.23	0.20	0.17	0.13	0.11
0.00	0.00	0.00	0.33	0.27	0.22	0.19	0.15	0.12	0.10	0.08	0.06
Rating: 32W 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	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.15	0.16	0.18	0.18	0.20	0.20	0.21	0.22	0.22
	0.30		0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.21
	0.30		0.10	0.12	0.14	0.15	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
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rating: 32W 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	1989.7	1.9	1.9	0.17	0.17
1.0-2.0	1977.8	5.7	7.6	0.50	0.67
2.0-3.0	1954.1	9.3	16.9	0.82	1.49
3.0-4.0	1919.7	12.9	29.8	1.13	2.63
4.0-5.0	1874.9	16.1	45.9	1.42	4.05
5.0-6.0	1820.6	19.1	65.0	1.69	5.73
6.0-7.0	1758.4	21.8	86.9	1.92	7.66
7.0-8.0	1689.4	24.2	111.1	2.13	9.79
8.0-9.0	1614.8	26.2	137.2	2.31	12.10
9.0-10.0	1536.5	27.8	165.0	2.45	14.55
10.0-11.0	1456.2	29.1	194.1	2.57	17.11
11.0-12.0	1373.9	30.0	224.2	2.65	19.76
12.0-13.0	1291.1	30.6	254.8	2.70	22.46
13.0-14.0	1210.6	31.0	285.8	2.73	25.20
14.0-15.0	1131.9	31.1	316.9	2.74	27.94
15.0-16.0	1055.4	30.9	347.8	2.73	30.66
16.0-17.0	982.2	30.6	378.4	2.70	33.36
17.0-18.0	912.8	30.1	408.5	2.65	36.01
18.0-19.0	847.9	29.5	438.0	2.60	38.61
19.0-20.0	787.2	28.8	466.8	2.54	41.15
20.0-21.0	730.5	28.1	494.9	2.47	43.63
21.0-22.0	678.0	27.2	522.1	2.40	46.03
22.0-23.0	630.1	26.4	548.6	2.33	48.36
23.0-24.0	586.3	25.6	574.2	2.26	50.62
24.0-25.0	545.8	24.8	599.0	2.19	52.81
25.0-26.0	508.6	24.0	623.1	2.12	54.93
26.0-27.0	474.6	23.2	646.3	2.05	56.97
27.0-28.0	442.9	22.4	668.7	1.98	58.95
28.0-29.0	413.4	21.6	690.3	1.91	60.86
29.0-30.0	386.3	20.9	711.2	1.84	62.70
30.0-31.0	360.8	20.1	731.3	1.77	64.47
31.0-32.0	337.1	19.3	750.6	1.70	66.17
32.0-33.0	315.3	18.6	769.2	1.64	67.81
33.0-34.0	295.1	17.9	787.0	1.57	69.38
34.0-35.0	276.5	17.2	804.2	1.51	70.89
35.0-36.0	259.6	16.5	820.7	1.46	72.35

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	244.0	15.9	836.6	1.40	73.75
37.0-38.0	229.6	15.3	852.0	1.35	75.11
38.0-39.0	216.1	14.8	866.7	1.30	76.41
39.0-40.0	203.5	14.2	880.9	1.25	77.66
40.0-41.0	191.5	13.6	894.6	1.20	78.86
41.0-42.0	180.2	13.1	907.6	1.15	80.01
42.0-43.0	169.6	12.6	920.2	1.11	81.12
43.0-44.0	159.4	12.0	932.2	1.06	82.18
44.0-45.0	149.8	11.5	943.8	1.01	83.20
45.0-46.0	140.7	11.0	954.8	0.97	84.17
46.0-47.0	131.9	10.5	965.3	0.92	85.09
47.0-48.0	123.5	10.0	975.2	0.88	85.97
48.0-49.0	115.6	9.5	984.7	0.84	86.81
49.0-50.0	108.0	9.0	993.7	0.79	87.60
50.0-51.0	100.8	8.5	1002.3	0.75	88.36
51.0-52.0	94.0	8.1	1010.3	0.71	89.07
52.0-53.0	87.6	7.6	1018.0	0.67	89.74
53.0-54.0	81.5	7.2	1025.2	0.63	90.37
54.0-55.0	75.8	6.8	1031.9	0.60	90.97
55.0-56.0	70.4	6.4	1038.3	0.56	91.53
56.0-57.0	65.2	6.0	1044.2	0.53	92.06
57.0-58.0	60.4	5.6	1049.8	0.49	92.55
58.0-59.0	55.9	5.2	1055.1	0.46	93.01
59.0-60.0	51.8	4.9	1059.9	0.43	93.44
60.0-61.0	48.0	4.6	1064.5	0.40	93.84
61.0-62.0	44.5	4.3	1068.8	0.38	94.22
62.0-63.0	41.2	4.0	1072.8	0.35	94.57
63.0-64.0	38.2	3.7	1076.6	0.33	94.90
64.0-65.0	35.3	3.5	1080.1	0.31	95.21
65.0-66.0	32.6	3.3	1083.3	0.29	95.50
66.0-67.0	30.1	3.0	1086.3	0.27	95.77
67.0-68.0	27.7	2.8	1089.1	0.25	96.01
68.0-69.0	25.4	2.6	1091.7	0.23	96.24
69.0-70.0	23.2	2.4	1094.1	0.21	96.45
70.0-71.0	21.1	2.2	1096.3	0.19	96.64
71.0-72.0	19.1	2.0	1098.3	0.17	96.82

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	17.2	1.8	1100.1	0.16	96.98
73.0-74.0	15.5	1.6	1101.7	0.14	97.12
74.0-75.0	13.9	1.5	1103.2	0.13	97.25
75.0-76.0	12.4	1.3	1104.5	0.12	97.37
76.0-77.0	11.0	1.2	1105.6	0.10	97.47
77.0-78.0	9.7	1.0	1106.7	0.09	97.56
78.0-79.0	8.5	0.9	1107.6	0.08	97.64
79.0-80.0	7.4	0.8	1108.4	0.07	97.71
80.0-81.0	6.4	0.7	1109.1	0.06	97.77
81.0-82.0	5.5	0.6	1109.7	0.05	97.82
82.0-83.0	4.7	0.5	1110.2	0.05	97.87
83.0-84.0	4.0	0.4	1110.6	0.04	97.91
84.0-85.0	3.5	0.4	1111.0	0.03	97.94
85.0-86.0	3.1	0.3	1111.3	0.03	97.97
86.0-87.0	2.7	0.3	1111.6	0.03	98.00
87.0-88.0	2.6	0.3	1111.9	0.02	98.02
88.0-89.0	2.4	0.3	1112.2	0.02	98.05
89.0-90.0	2.4	0.3	1112.4	0.02	98.07
90.0-91.0	2.3	0.3	1112.7	0.02	98.09
91.0-92.0	2.3	0.3	1113.0	0.02	98.11
92.0-93.0	2.3	0.3	1113.2	0.02	98.14
93.0-94.0	2.3	0.3	1113.5	0.02	98.16
94.0-95.0	2.3	0.2	1113.7	0.02	98.18
95.0-96.0	2.3	0.2	1114.0	0.02	98.20
96.0-97.0	2.2	0.2	1114.2	0.02	98.22
97.0-98.0	2.2	0.2	1114.4	0.02	98.24
98.0-99.0	2.1	0.2	1114.7	0.02	98.26
99.0-100.0	2.1	0.2	1114.9	0.02	98.28
100.0-101.0	2.1	0.2	1115.1	0.02	98.30
101.0-102.0	2.1	0.2	1115.3	0.02	98.32
102.0-103.0	2.0	0.2	1115.6	0.02	98.34
103.0-104.0	2.0	0.2	1115.8	0.02	98.36
104.0-105.0	2.0	0.2	1116.0	0.02	98.38
105.0-106.0	2.0	0.2	1116.2	0.02	98.40
106.0-107.0	2.0	0.2	1116.4	0.02	98.42
107.0-108.0	2.1	0.2	1116.6	0.02	98.44

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	2.1	0.2	1116.8	0.02	98.46
109.0-110.0	2.1	0.2	1117.1	0.02	98.48
110.0-111.0	2.1	0.2	1117.3	0.02	98.49
111.0-112.0	2.2	0.2	1117.5	0.02	98.51
112.0-113.0	2.2	0.2	1117.7	0.02	98.53
113.0-114.0	2.2	0.2	1118.0	0.02	98.55
114.0-115.0	2.3	0.2	1118.2	0.02	98.57
115.0-116.0	2.3	0.2	1118.4	0.02	98.59
116.0-117.0	2.4	0.2	1118.6	0.02	98.62
117.0-118.0	2.4	0.2	1118.9	0.02	98.64
118.0-119.0	2.5	0.2	1119.1	0.02	98.66
119.0-120.0	2.5	0.2	1119.4	0.02	98.68
120.0-121.0	2.6	0.2	1119.6	0.02	98.70
121.0-122.0	2.7	0.2	1119.9	0.02	98.72
122.0-123.0	2.7	0.3	1120.1	0.02	98.74
123.0-124.0	2.8	0.3	1120.4	0.02	98.77
124.0-125.0	2.9	0.3	1120.6	0.02	98.79
125.0-126.0	2.9	0.3	1120.9	0.02	98.81
126.0-127.0	3.0	0.3	1121.2	0.02	98.84
127.0-128.0	3.1	0.3	1121.4	0.02	98.86
128.0-129.0	3.2	0.3	1121.7	0.02	98.88
129.0-130.0	3.3	0.3	1122.0	0.02	98.91
130.0-131.0	3.4	0.3	1122.3	0.02	98.93
131.0-132.0	3.5	0.3	1122.6	0.03	98.96
132.0-133.0	3.6	0.3	1122.8	0.03	98.99
133.0-134.0	3.7	0.3	1123.1	0.03	99.01
134.0-135.0	3.9	0.3	1123.4	0.03	99.04
135.0-136.0	4.0	0.3	1123.8	0.03	99.06
136.0-137.0	4.1	0.3	1124.1	0.03	99.09
137.0-138.0	4.2	0.3	1124.4	0.03	99.12
138.0-139.0	4.4	0.3	1124.7	0.03	99.15
139.0-140.0	4.5	0.3	1125.0	0.03	99.18
140.0-141.0	4.7	0.3	1125.3	0.03	99.20
141.0-142.0	4.8	0.3	1125.7	0.03	99.23
142.0-143.0	5.0	0.3	1126.0	0.03	99.26
143.0-144.0	5.1	0.3	1126.3	0.03	99.29

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	5.3	0.3	1126.7	0.03	99.32
145.0-146.0	5.4	0.3	1127.0	0.03	99.35
146.0-147.0	5.6	0.3	1127.3	0.03	99.38
147.0-148.0	5.7	0.3	1127.7	0.03	99.41
148.0-149.0	5.9	0.3	1128.0	0.03	99.44
149.0-150.0	6.0	0.3	1128.3	0.03	99.47
150.0-151.0	6.1	0.3	1128.7	0.03	99.50
151.0-152.0	6.3	0.3	1129.0	0.03	99.53
152.0-153.0	6.4	0.3	1129.3	0.03	99.56
153.0-154.0	6.6	0.3	1129.7	0.03	99.59
154.0-155.0	6.7	0.3	1130.0	0.03	99.61
155.0-156.0	6.8	0.3	1130.3	0.03	99.64
156.0-157.0	6.9	0.3	1130.6	0.03	99.67
157.0-158.0	7.0	0.3	1130.9	0.03	99.69
158.0-159.0	7.1	0.3	1131.2	0.03	99.72
159.0-160.0	7.3	0.3	1131.4	0.02	99.74
160.0-161.0	7.4	0.3	1131.7	0.02	99.77
161.0-162.0	7.4	0.3	1132.0	0.02	99.79
162.0-163.0	7.5	0.2	1132.2	0.02	99.81
163.0-164.0	7.6	0.2	1132.5	0.02	99.83
164.0-165.0	7.6	0.2	1132.7	0.02	99.85
165.0-166.0	7.7	0.2	1132.9	0.02	99.87
166.0-167.0	7.8	0.2	1133.1	0.02	99.89
167.0-168.0	7.8	0.2	1133.3	0.02	99.90
168.0-169.0	7.8	0.2	1133.4	0.02	99.92
169.0-170.0	7.9	0.2	1133.6	0.01	99.93
170.0-171.0	7.9	0.1	1133.7	0.01	99.95
171.0-172.0	7.9	0.1	1133.9	0.01	99.96
172.0-173.0	7.9	0.1	1134.0	0.01	99.97
173.0-174.0	8.0	0.1	1134.1	0.01	99.98
174.0-175.0	8.0	0.1	1134.2	0.01	99.98
175.0-176.0	8.0	0.1	1134.2	0.01	99.99
176.0-177.0	8.0	0.1	1134.3	0.00	99.99
177.0-178.0	8.1	0.0	1134.3	0.00	100.00
178.0-179.0	8.1	0.0	1134.4	0.00	100.00
179.0-180.0	8.1	0.0	1134.4	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: