

Report No.:

Test Time: 2021/8/4 15:53

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RIBBONLYTE

Lamp Catalog: 5050RGBW 4IN1

Number of Lamps: 120

Luminous Width (mm): 12

Voltage: 24.0 V

Power: 1.65 W

Luminaire Description: 120LED 244.4RGBW

Lamp Description: RED

Luminous Length (mm): 500

Luminous Height (mm): 3

Current: 0.069 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 47.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H160.6,H120

Vertical Diffuse Angle(10%,50%): V162.2,V120

Luminaire Efficacy Rating (LER): 29

Max. Intensity: 15.53 cd

Total Rated Lamp Lumens: 47.9 lm

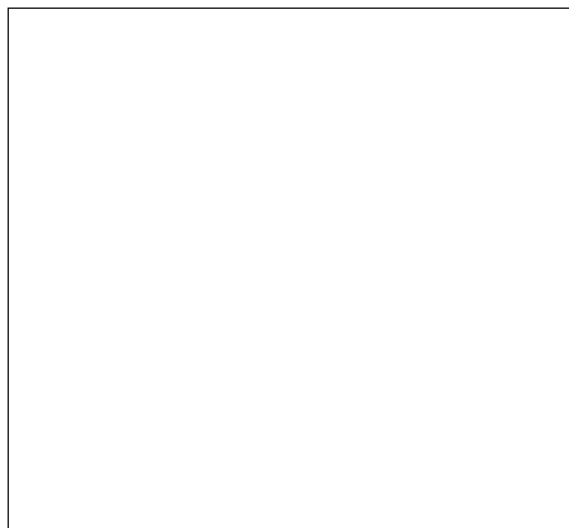
Efficiency: 100%

Upward Ratio: 1%

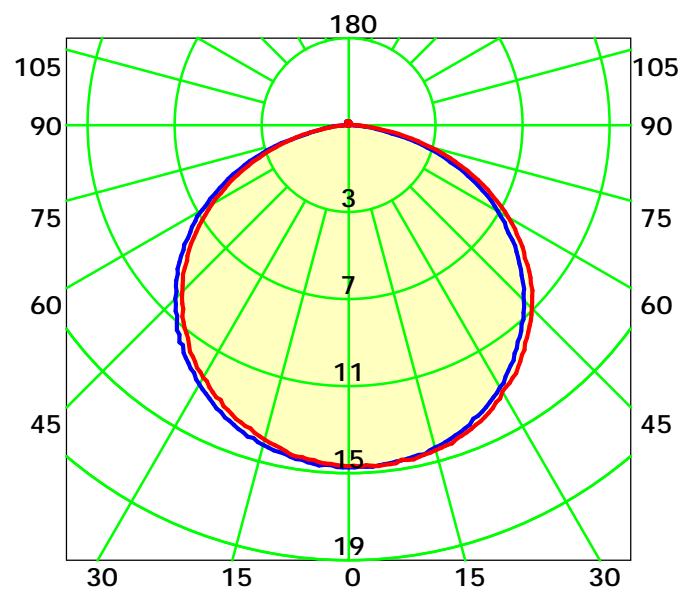
Central Intensity: 15.5 cd

Pos of Max. Intensity: H0 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 120.0° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

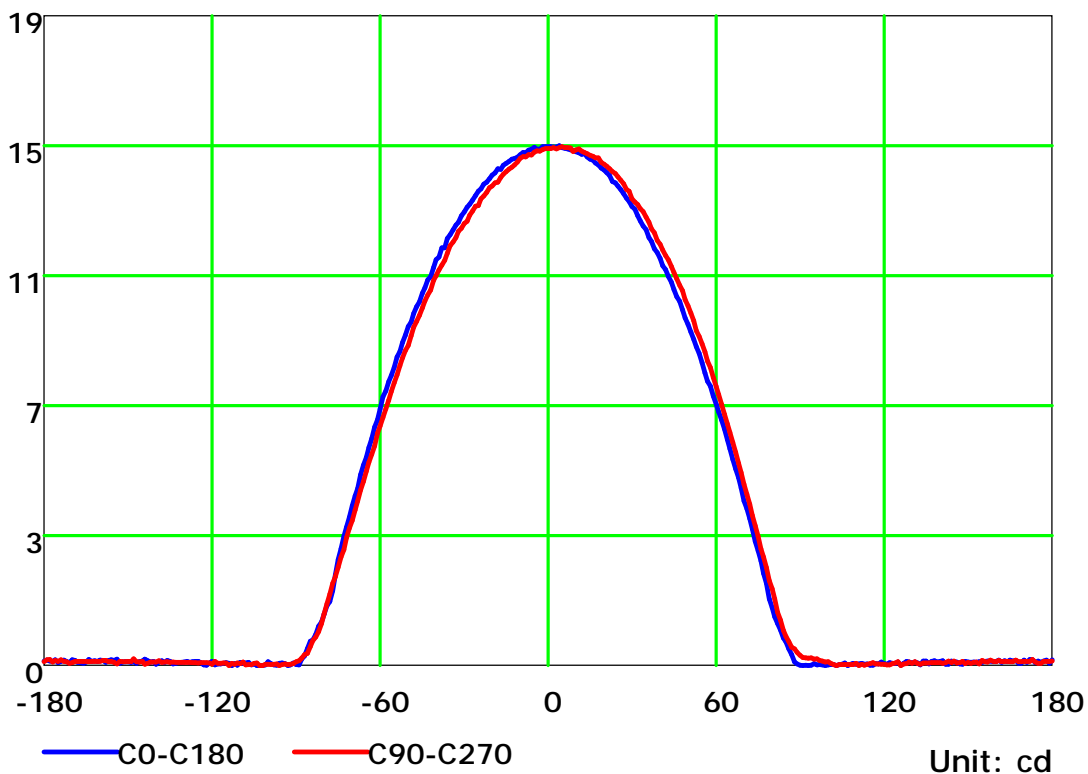
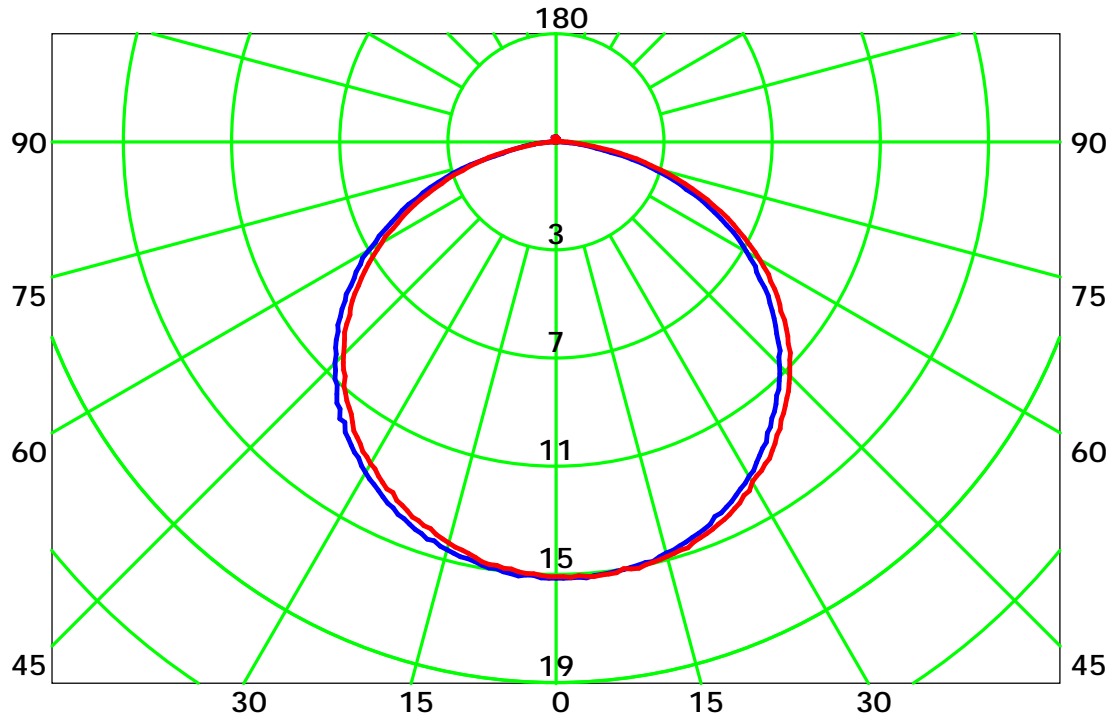
Distance: 9.028 m

Humidity: 60%

Inspector:



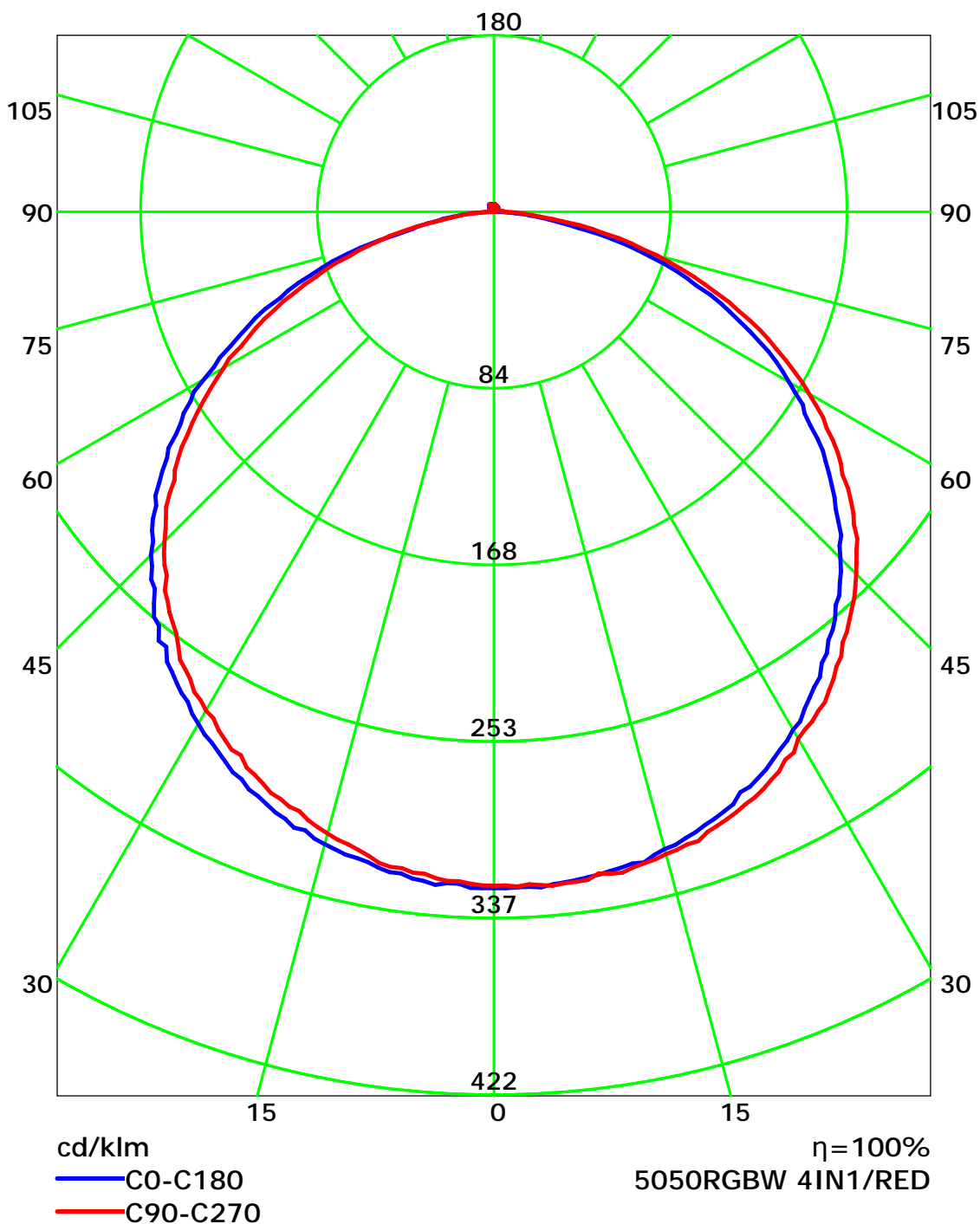
## Luminous Intensity Distribution Curve



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

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: Nick

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

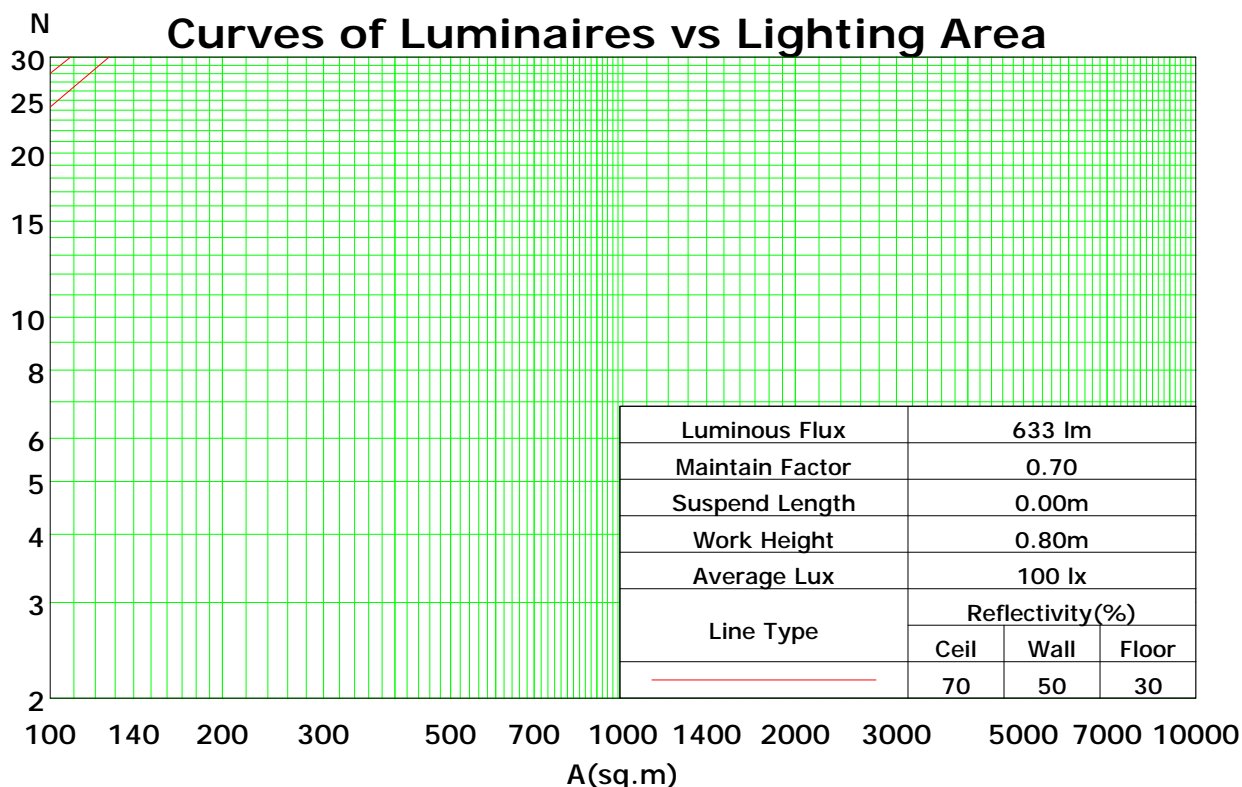
## Coefficients Of Utilization - Zonal Cavity Method

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	111	111	111	106	106	106	101	101	101	99
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	77	74	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	60	68	63	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	51	60	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

Spacing Criteria (0-180): 1.31

Spacing Criteria (90-270): 1.31

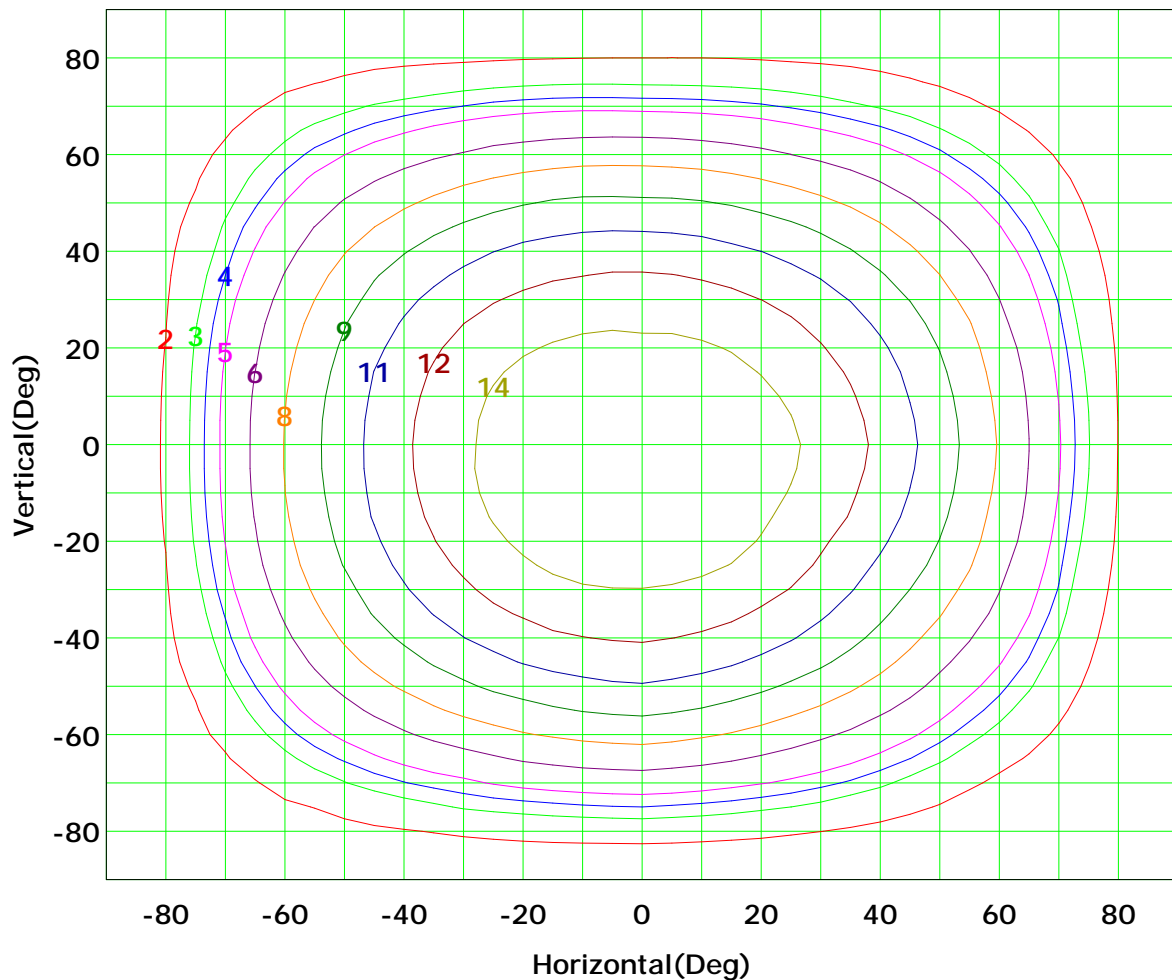
Spacing Criteria (Diagonal): 1.42



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

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

## Isocandela (rectangle)



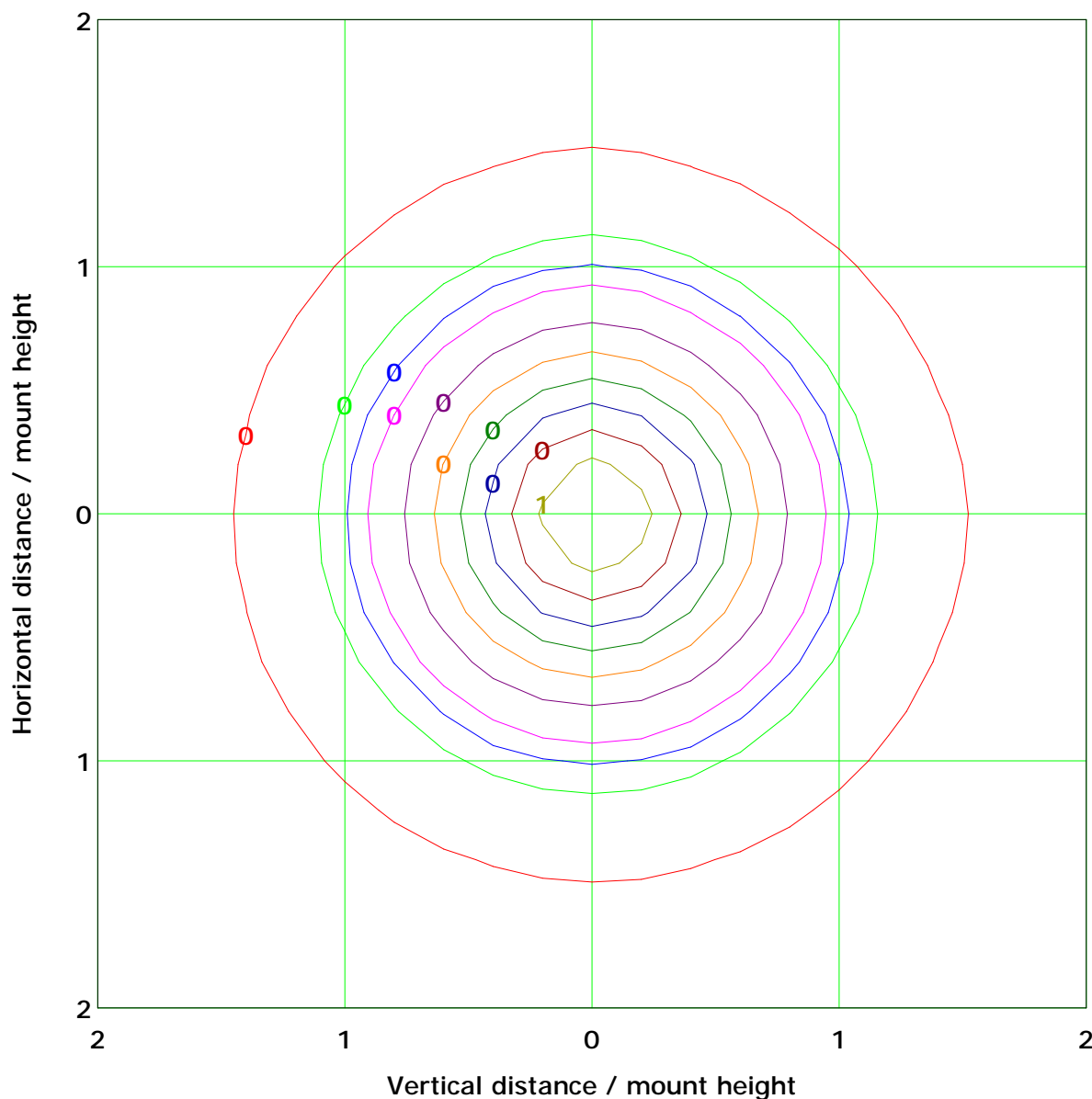
Imax (100%): 16 cd

( 10%):	2 cd	( 20%):	3 cd
( 25%):	4 cd	( 30%):	5 cd
( 40%):	6 cd	( 50%):	8 cd
( 60%):	9 cd	( 70%):	11 cd
( 80%):	12 cd	( 90%):	14 cd

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

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%): 0.6 lx

( 10%): 0.1 lx	( 20%): 0.1 lx
( 25%): 0.2 lx	( 30%): 0.2 lx
( 40%): 0.2 lx	( 50%): 0.3 lx
( 60%): 0.4 lx	( 70%): 0.4 lx
( 80%): 0.5 lx	( 90%): 0.6 lx

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

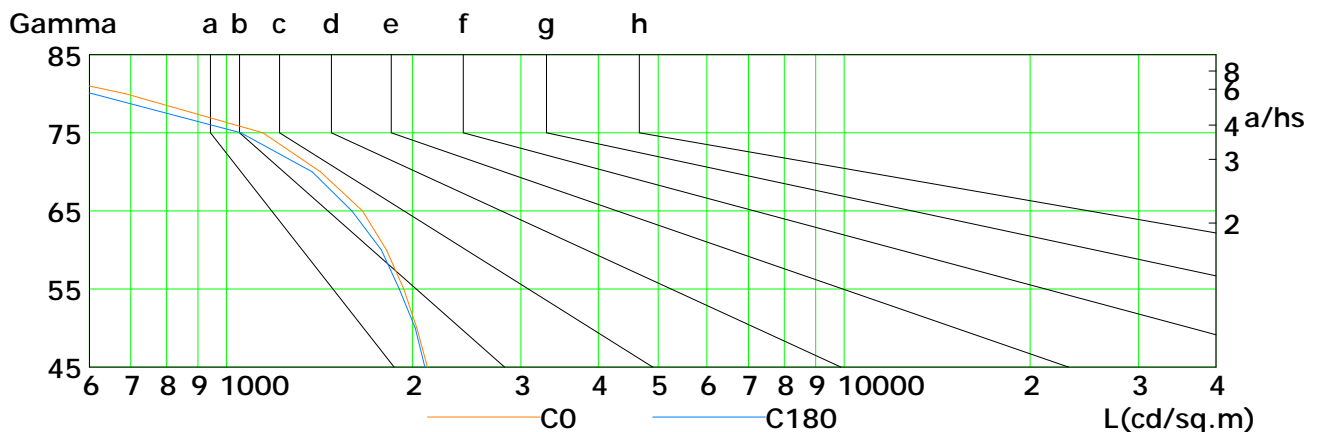
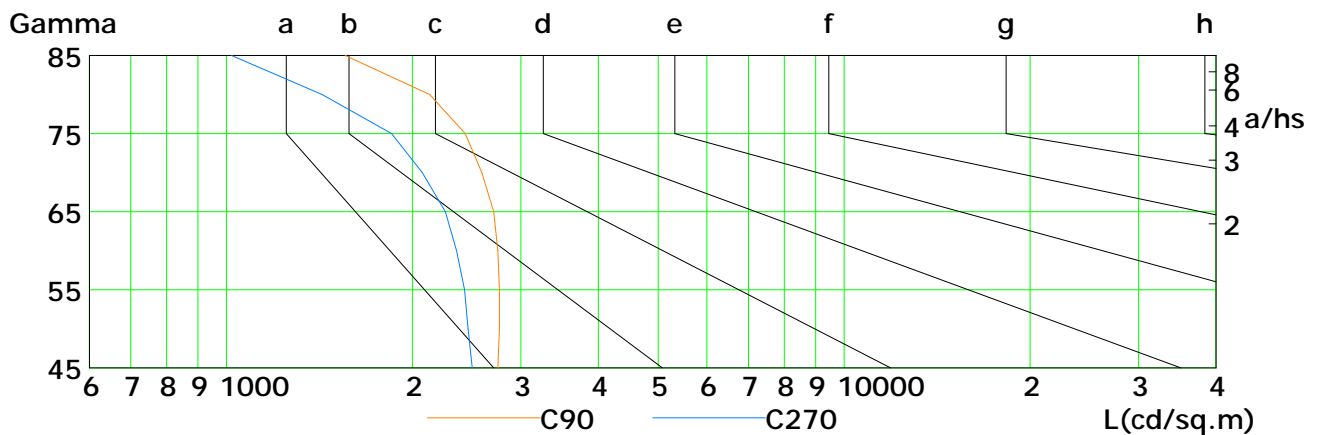
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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

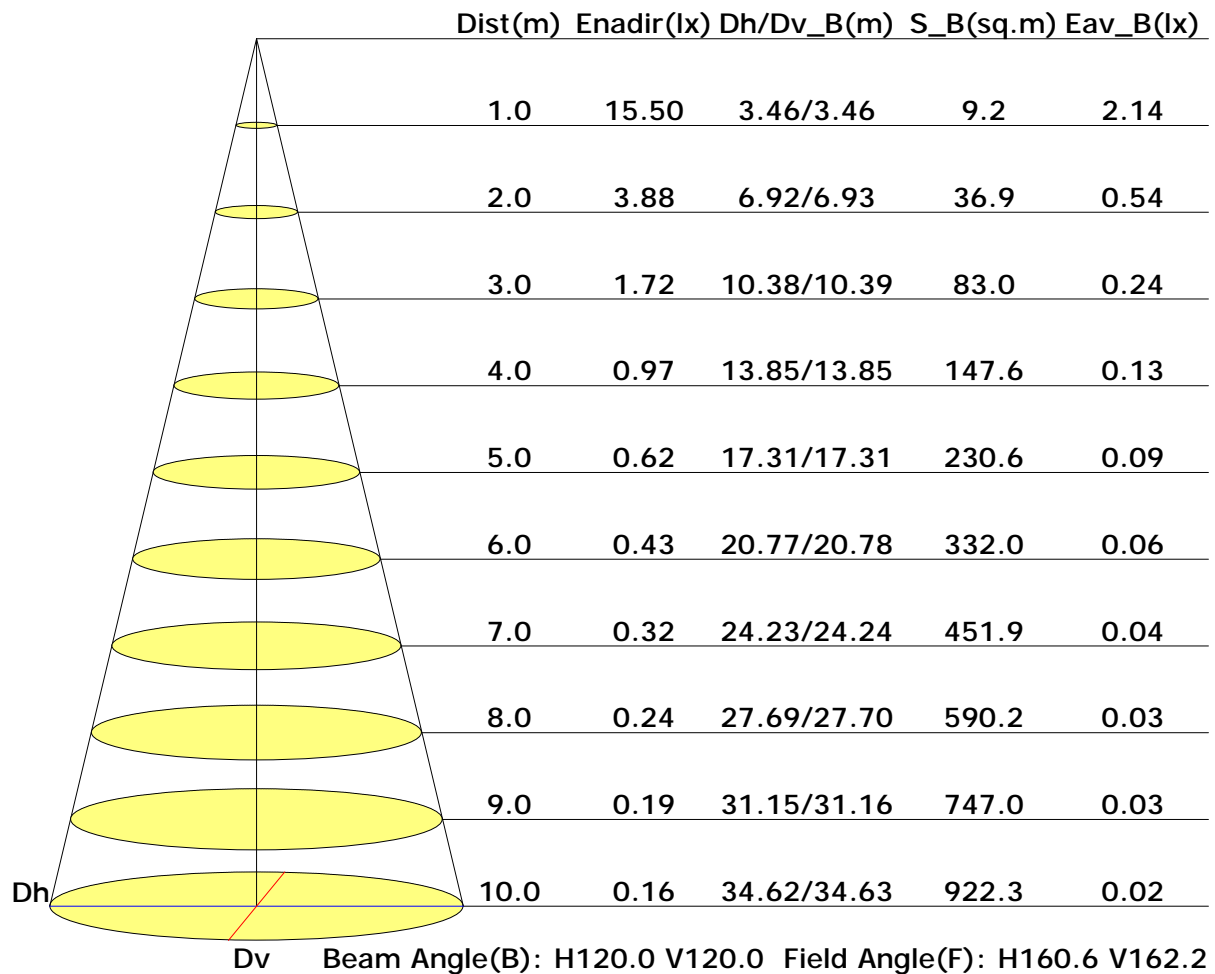


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2118	2036	1938	1817	1661	1421	1146	687	352
C90	2751	2768	2769	2751	2710	2594	2438	2135	1557
C180	2097	2024	1906	1782	1597	1378	1056	607	362
C270	2502	2461	2432	2359	2262	2076	1852	1429	1020

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

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

## Illuminance at a Distance

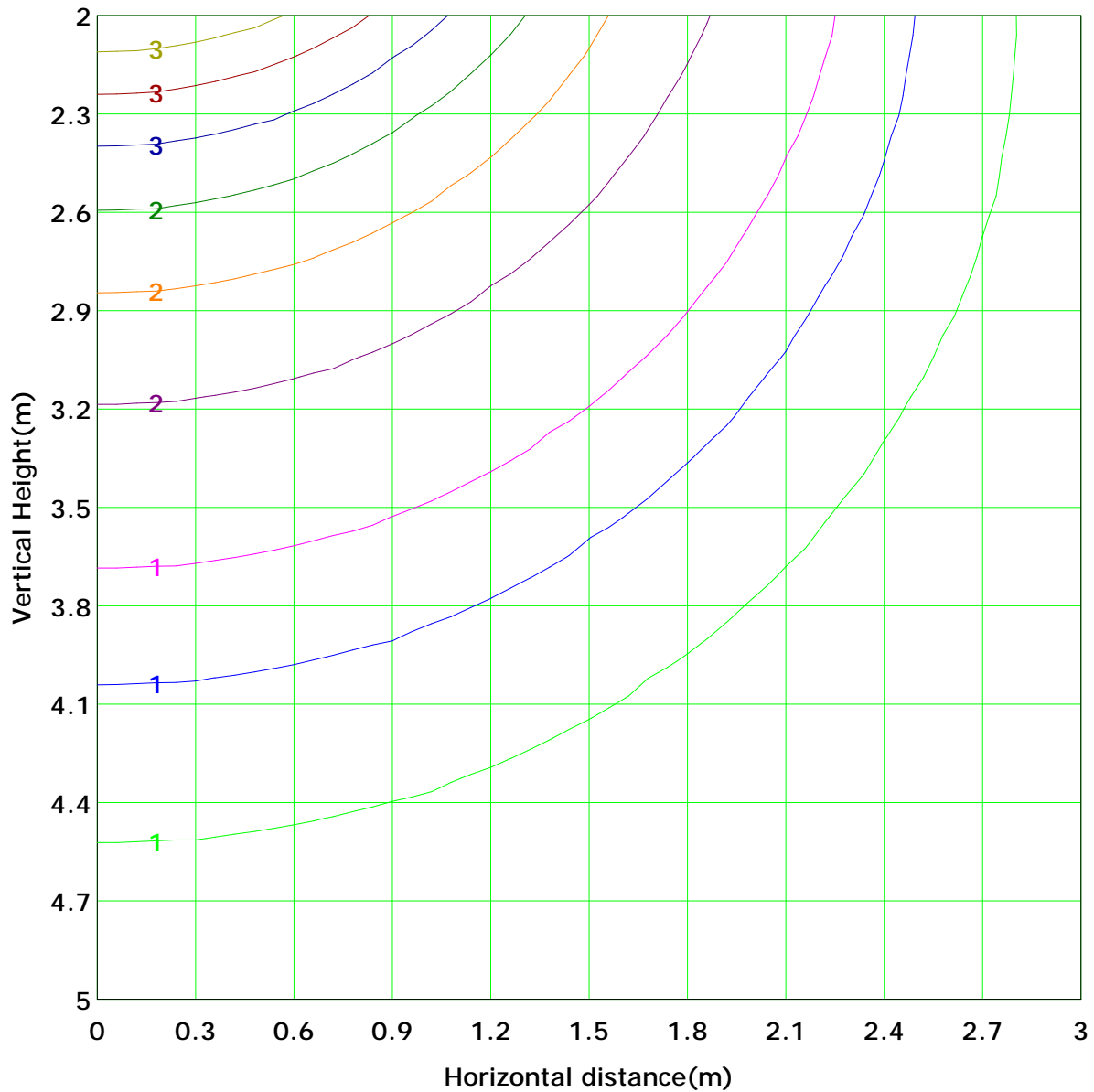


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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: 3.9 lx
( 10%): 0.4 lx	( 20%): 0.8 lx	
( 25%): 1.0 lx	( 30%): 1.2 lx	
( 40%): 1.6 lx	( 50%): 1.9 lx	
( 60%): 2.3 lx	( 70%): 2.7 lx	
( 80%): 3.1 lx	( 90%): 3.5 lx	

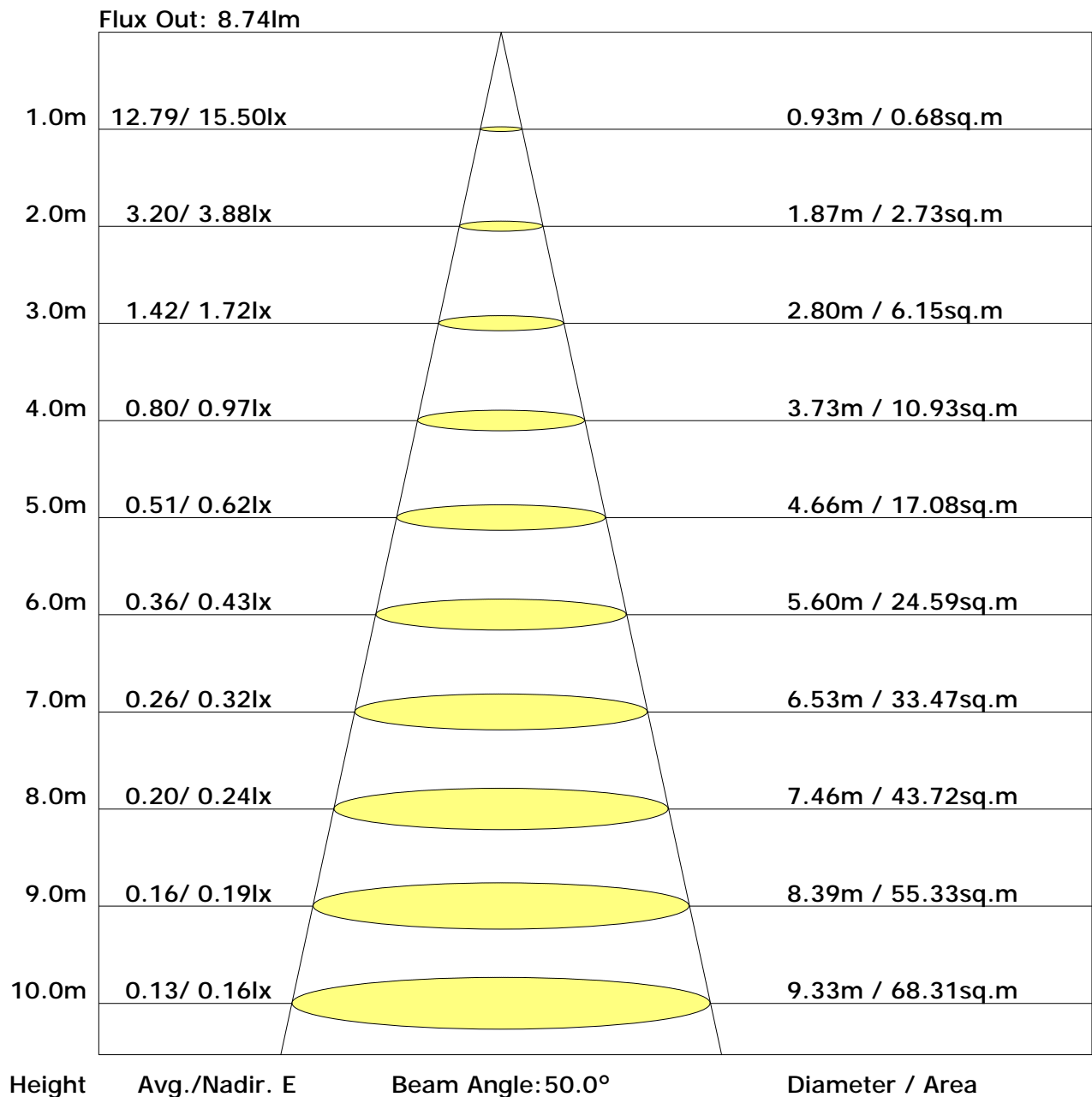
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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: Nick

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	25.8	27.5	26.2	27.8	28.1	25.3	27.0	25.7	27.3	27.6
3H	27.8	29.2	28.2	29.6	30.0	27.1	28.5	27.5	28.9	29.3
4H	28.4	29.8	28.9	30.2	30.6	27.7	29.1	28.1	29.4	29.8
6H	28.9	30.2	29.3	30.5	31.0	28.0	29.3	28.5	29.7	30.1
8H	29.0	30.2	29.4	30.6	31.0	28.1	29.4	28.6	29.8	30.2
12H	29.0	30.2	29.5	30.6	31.1	28.2	29.3	28.6	29.7	30.2
X=4H Y=2H	26.4	27.8	26.8	28.1	28.5	25.9	27.3	26.4	27.7	28.1
3H	28.5	29.7	28.9	30.1	30.5	27.9	29.1	28.3	29.5	29.9
4H	29.3	30.4	29.8	30.8	31.3	28.6	29.7	29.0	30.1	30.6
6H	29.8	30.8	30.3	31.2	31.7	29.1	30.0	29.5	30.5	30.9
8H	30.0	30.8	30.4	31.3	31.8	29.2	30.0	29.7	30.5	31.0
12H	30.1	30.8	30.5	31.3	31.8	29.2	30.0	29.7	30.5	31.0
X=8H Y=4H	29.5	30.4	30.0	30.9	31.4	28.9	29.7	29.3	30.2	30.7
6H	30.1	30.9	30.6	31.4	31.9	29.4	30.1	29.9	30.6	31.1
8H	30.3	30.9	30.8	31.5	32.0	29.6	30.2	30.1	30.7	31.2
12H	30.4	31.0	31.0	31.5	32.1	29.6	30.2	30.2	30.7	31.3
X=12H Y=4H	29.5	30.3	30.0	30.8	31.3	28.9	29.7	29.4	30.2	30.6
6H	30.2	30.8	30.7	31.3	31.8	29.4	30.1	30.0	30.6	31.1
8H	30.3	30.9	30.9	31.4	32.0	29.6	30.2	30.1	30.7	31.3

Calculate in accordance with CIE 190:2010

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

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 = 1.50								
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	0.67	0.75	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.51	0.59	0.67	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.45	0.53	0.62	0.68	0.76	0.82	0.86	0.93	0.97
0.50	0.50	0.20	0.57	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.50	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.45	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.55	0.63	0.70	0.74	0.81	0.85	0.88	0.92	0.95
	0.30		0.49	0.57	0.64	0.69	0.77	0.81	0.85	0.89	0.93
	0.20		0.45	0.52	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.42	0.50	0.57	0.62	0.69	0.74	0.78	0.82	0.85
Rating: 2W 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 = 1.50									
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	0.97	0.82	0.69	0.60	0.48	0.40	0.34	0.27	0.22	
	0.30		0.81	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.69	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.93	0.79	0.66	0.58	0.46	0.42	0.33	0.25	0.20	
	0.30		0.79	0.68	0.59	0.52	0.42	0.35	0.31	0.24	0.20	
	0.20		0.68	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.90	0.76	0.64	0.55	0.44	0.36	0.31	0.24	0.20	
	0.30		0.77	0.67	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.67	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.57	0.50	0.42	0.37	0.30	0.25	0.22	0.17	0.14	
Rating: 2W 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 = 1.50									
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	0.17	0.19	0.19	0.20	0.21	0.22	0.22	0.22	0.23	
	0.30		0.10	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	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	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	0.13	0.15	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	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: 2W 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	15.4	0.0	0.0	0.03	0.03
1.0-2.0	15.5	0.0	0.1	0.09	0.12
2.0-3.0	15.4	0.1	0.1	0.15	0.28
3.0-4.0	15.4	0.1	0.2	0.22	0.49
4.0-5.0	15.4	0.1	0.4	0.28	0.77
5.0-6.0	15.4	0.2	0.5	0.34	1.11
6.0-7.0	15.4	0.2	0.7	0.40	1.51
7.0-8.0	15.4	0.2	0.9	0.46	1.96
8.0-9.0	15.3	0.2	1.2	0.52	2.48
9.0-10.0	15.3	0.3	1.5	0.58	3.06
10.0-11.0	15.3	0.3	1.8	0.64	3.70
11.0-12.0	15.2	0.3	2.1	0.69	4.39
12.0-13.0	15.1	0.4	2.5	0.75	5.14
13.0-14.0	15.1	0.4	2.8	0.81	5.95
14.0-15.0	15.0	0.4	3.3	0.86	6.81
15.0-16.0	15.0	0.4	3.7	0.92	7.72
16.0-17.0	14.9	0.5	4.2	0.97	8.69
17.0-18.0	14.9	0.5	4.7	1.02	9.72
18.0-19.0	14.8	0.5	5.2	1.07	10.79
19.0-20.0	14.7	0.5	5.7	1.12	11.91
20.0-21.0	14.6	0.6	6.3	1.17	13.09
21.0-22.0	14.5	0.6	6.9	1.22	14.31
22.0-23.0	14.4	0.6	7.5	1.27	15.57
23.0-24.0	14.3	0.6	8.1	1.31	16.88
24.0-25.0	14.3	0.6	8.7	1.35	18.23
25.0-26.0	14.2	0.7	9.4	1.39	19.63
26.0-27.0	14.0	0.7	10.1	1.43	21.06
27.0-28.0	13.9	0.7	10.8	1.47	22.53
28.0-29.0	13.8	0.7	11.5	1.51	24.04
29.0-30.0	13.7	0.7	12.3	1.54	25.58
30.0-31.0	13.5	0.8	13.0	1.57	27.15
31.0-32.0	13.4	0.8	13.8	1.60	28.75
32.0-33.0	13.3	0.8	14.6	1.63	30.38
33.0-34.0	13.1	0.8	15.4	1.66	32.04
34.0-35.0	13.0	0.8	16.2	1.68	33.73
35.0-36.0	12.8	0.8	17.0	1.70	35.43

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

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	12.7	0.8	17.8	1.72	37.15
37.0-38.0	12.5	0.8	18.6	1.74	38.89
38.0-39.0	12.3	0.8	19.5	1.76	40.65
39.0-40.0	12.1	0.8	20.3	1.77	42.42
40.0-41.0	12.0	0.9	21.2	1.78	44.20
41.0-42.0	11.8	0.9	22.0	1.79	45.99
42.0-43.0	11.6	0.9	22.9	1.79	47.78
43.0-44.0	11.4	0.9	23.8	1.80	49.58
44.0-45.0	11.2	0.9	24.6	1.80	51.38
45.0-46.0	11.0	0.9	25.5	1.80	53.18
46.0-47.0	10.8	0.9	26.3	1.80	54.98
47.0-48.0	10.6	0.9	27.2	1.79	56.77
48.0-49.0	10.4	0.9	28.1	1.78	58.55
49.0-50.0	10.2	0.8	28.9	1.77	60.33
50.0-51.0	10.0	0.8	29.8	1.76	62.09
51.0-52.0	9.8	0.8	30.6	1.75	63.83
52.0-53.0	9.5	0.8	31.4	1.73	65.56
53.0-54.0	9.3	0.8	32.2	1.71	67.27
54.0-55.0	9.0	0.8	33.0	1.68	68.95
55.0-56.0	8.8	0.8	33.8	1.66	70.61
56.0-57.0	8.5	0.8	34.6	1.63	72.23
57.0-58.0	8.3	0.8	35.4	1.60	73.83
58.0-59.0	8.0	0.8	36.1	1.57	75.40
59.0-60.0	7.8	0.7	36.9	1.53	76.94
60.0-61.0	7.5	0.7	37.6	1.50	78.43
61.0-62.0	7.2	0.7	38.3	1.46	79.89
62.0-63.0	7.0	0.7	39.0	1.42	81.31
63.0-64.0	6.7	0.7	39.6	1.37	82.68
64.0-65.0	6.4	0.6	40.3	1.33	84.00
65.0-66.0	6.1	0.6	40.9	1.28	85.28
66.0-67.0	5.9	0.6	41.5	1.23	86.51
67.0-68.0	5.6	0.6	42.0	1.18	87.69
68.0-69.0	5.3	0.5	42.6	1.12	88.81
69.0-70.0	5.0	0.5	43.1	1.07	89.88
70.0-71.0	4.7	0.5	43.6	1.01	90.89
71.0-72.0	4.4	0.5	44.0	0.95	91.84

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

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	4.1	0.4	44.4	0.89	92.74
73.0-74.0	3.8	0.4	44.8	0.83	93.57
74.0-75.0	3.5	0.4	45.2	0.77	94.34
75.0-76.0	3.2	0.3	45.6	0.71	95.04
76.0-77.0	2.9	0.3	45.9	0.64	95.68
77.0-78.0	2.5	0.3	46.1	0.57	96.25
78.0-79.0	2.2	0.2	46.4	0.50	96.75
79.0-80.0	1.9	0.2	46.6	0.44	97.19
80.0-81.0	1.6	0.2	46.8	0.37	97.56
81.0-82.0	1.4	0.2	46.9	0.31	97.87
82.0-83.0	1.2	0.1	47.0	0.27	98.14
83.0-84.0	1.0	0.1	47.1	0.22	98.36
84.0-85.0	0.8	0.1	47.2	0.18	98.54
85.0-86.0	0.6	0.1	47.3	0.14	98.69
86.0-87.0	0.5	0.1	47.4	0.11	98.80
87.0-88.0	0.3	0.0	47.4	0.08	98.88
88.0-89.0	0.2	0.0	47.4	0.05	98.93
89.0-90.0	0.2	0.0	47.4	0.04	98.97
90.0-91.0	0.1	0.0	47.4	0.03	99.00
91.0-92.0	0.1	0.0	47.5	0.02	99.02
92.0-93.0	0.1	0.0	47.5	0.02	99.04
93.0-94.0	0.1	0.0	47.5	0.02	99.06
94.0-95.0	0.1	0.0	47.5	0.02	99.07
95.0-96.0	0.1	0.0	47.5	0.01	99.09
96.0-97.0	0.1	0.0	47.5	0.01	99.10
97.0-98.0	0.1	0.0	47.5	0.01	99.11
98.0-99.0	0.0	0.0	47.5	0.01	99.12
99.0-100.0	0.0	0.0	47.5	0.01	99.13
100.0-101.0	0.0	0.0	47.5	0.01	99.14
101.0-102.0	0.0	0.0	47.5	0.01	99.15
102.0-103.0	0.0	0.0	47.5	0.01	99.16
103.0-104.0	0.0	0.0	47.5	0.01	99.17
104.0-105.0	0.0	0.0	47.5	0.01	99.18
105.0-106.0	0.0	0.0	47.5	0.01	99.19
106.0-107.0	0.0	0.0	47.5	0.01	99.20
107.0-108.0	0.0	0.0	47.5	0.01	99.21

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

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	0.1	0.0	47.6	0.01	99.22
109.0-110.0	0.1	0.0	47.6	0.01	99.23
110.0-111.0	0.1	0.0	47.6	0.01	99.25
111.0-112.0	0.1	0.0	47.6	0.01	99.26
112.0-113.0	0.1	0.0	47.6	0.01	99.27
113.0-114.0	0.1	0.0	47.6	0.01	99.28
114.0-115.0	0.1	0.0	47.6	0.01	99.29
115.0-116.0	0.1	0.0	47.6	0.01	99.30
116.0-117.0	0.1	0.0	47.6	0.01	99.32
117.0-118.0	0.1	0.0	47.6	0.01	99.33
118.0-119.0	0.1	0.0	47.6	0.01	99.34
119.0-120.0	0.1	0.0	47.6	0.01	99.36
120.0-121.0	0.1	0.0	47.6	0.01	99.37
121.0-122.0	0.1	0.0	47.6	0.01	99.38
122.0-123.0	0.1	0.0	47.6	0.01	99.39
123.0-124.0	0.1	0.0	47.6	0.01	99.41
124.0-125.0	0.1	0.0	47.7	0.02	99.43
125.0-126.0	0.1	0.0	47.7	0.02	99.44
126.0-127.0	0.1	0.0	47.7	0.01	99.45
127.0-128.0	0.1	0.0	47.7	0.01	99.47
128.0-129.0	0.1	0.0	47.7	0.02	99.48
129.0-130.0	0.1	0.0	47.7	0.02	99.50
130.0-131.0	0.1	0.0	47.7	0.01	99.51
131.0-132.0	0.1	0.0	47.7	0.01	99.53
132.0-133.0	0.1	0.0	47.7	0.01	99.54
133.0-134.0	0.1	0.0	47.7	0.01	99.55
134.0-135.0	0.1	0.0	47.7	0.01	99.57
135.0-136.0	0.1	0.0	47.7	0.01	99.58
136.0-137.0	0.1	0.0	47.7	0.01	99.60
137.0-138.0	0.1	0.0	47.7	0.02	99.61
138.0-139.0	0.1	0.0	47.7	0.02	99.63
139.0-140.0	0.1	0.0	47.8	0.02	99.64
140.0-141.0	0.1	0.0	47.8	0.02	99.66
141.0-142.0	0.1	0.0	47.8	0.01	99.67
142.0-143.0	0.1	0.0	47.8	0.01	99.69
143.0-144.0	0.1	0.0	47.8	0.01	99.70

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

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	0.1	0.0	47.8	0.01	99.72
145.0-146.0	0.1	0.0	47.8	0.01	99.73
146.0-147.0	0.1	0.0	47.8	0.01	99.74
147.0-148.0	0.1	0.0	47.8	0.01	99.76
148.0-149.0	0.1	0.0	47.8	0.01	99.77
149.0-150.0	0.1	0.0	47.8	0.01	99.78
150.0-151.0	0.1	0.0	47.8	0.01	99.80
151.0-152.0	0.1	0.0	47.8	0.01	99.81
152.0-153.0	0.1	0.0	47.8	0.01	99.82
153.0-154.0	0.1	0.0	47.8	0.01	99.83
154.0-155.0	0.1	0.0	47.9	0.01	99.84
155.0-156.0	0.1	0.0	47.9	0.01	99.85
156.0-157.0	0.1	0.0	47.9	0.01	99.87
157.0-158.0	0.1	0.0	47.9	0.01	99.88
158.0-159.0	0.1	0.0	47.9	0.01	99.89
159.0-160.0	0.1	0.0	47.9	0.01	99.90
160.0-161.0	0.1	0.0	47.9	0.01	99.91
161.0-162.0	0.1	0.0	47.9	0.01	99.92
162.0-163.0	0.1	0.0	47.9	0.01	99.93
163.0-164.0	0.1	0.0	47.9	0.01	99.93
164.0-165.0	0.1	0.0	47.9	0.01	99.94
165.0-166.0	0.1	0.0	47.9	0.01	99.95
166.0-167.0	0.1	0.0	47.9	0.01	99.96
167.0-168.0	0.1	0.0	47.9	0.01	99.96
168.0-169.0	0.1	0.0	47.9	0.01	99.97
169.0-170.0	0.1	0.0	47.9	0.01	99.97
170.0-171.0	0.1	0.0	47.9	0.00	99.98
171.0-172.0	0.1	0.0	47.9	0.00	99.98
172.0-173.0	0.1	0.0	47.9	0.00	99.99
173.0-174.0	0.1	0.0	47.9	0.00	99.99
174.0-175.0	0.1	0.0	47.9	0.00	99.99
175.0-176.0	0.1	0.0	47.9	0.00	100.00
176.0-177.0	0.1	0.0	47.9	0.00	100.00
177.0-178.0	0.1	0.0	47.9	0.00	100.00
178.0-179.0	0.1	0.0	47.9	0.00	100.00
179.0-180.0	0.1	0.0	47.9	0.00	100.00

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

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