

Report No.:

Test Time: 2020/11/20 11:09

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour Plus 5.0

Luminaire Description: NEON+RB0RGBWA206.0RGB35-12N-WHITE

Lamp Catalog: 12N-W

Number of Lamps: 96

Luminous Width (mm): 10

Voltage: 24.0 V

Power: 2.29 W

Lamp Description: 5050 4IN1 WHITE

Luminous Length (mm): 500

Luminous Height (mm): 23

Current: 0.096 A

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 38.9 lm

Downward Ratio: 72%

Horizontal Diffuse Angle(10%,50%): H162.4,H110.2

Vertical Diffuse Angle(10%,50%): V302.3,V209.2

Luminaire Efficacy Rating (LER): 17

Max. Intensity: 8.99 cd

Total Rated Lamp Lumens: 38.9 lm

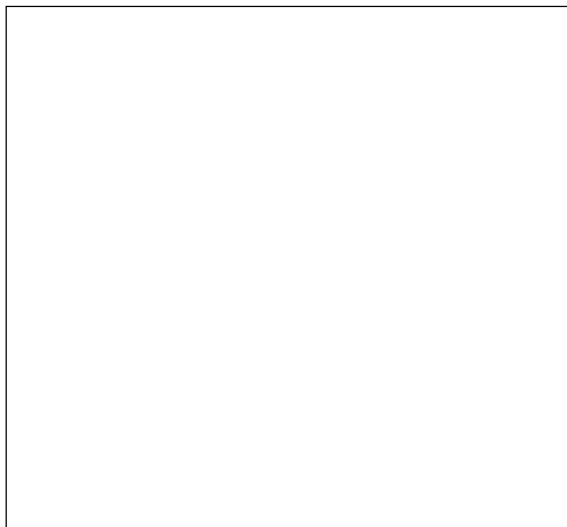
Efficiency: 100%

Upward Ratio: 28%

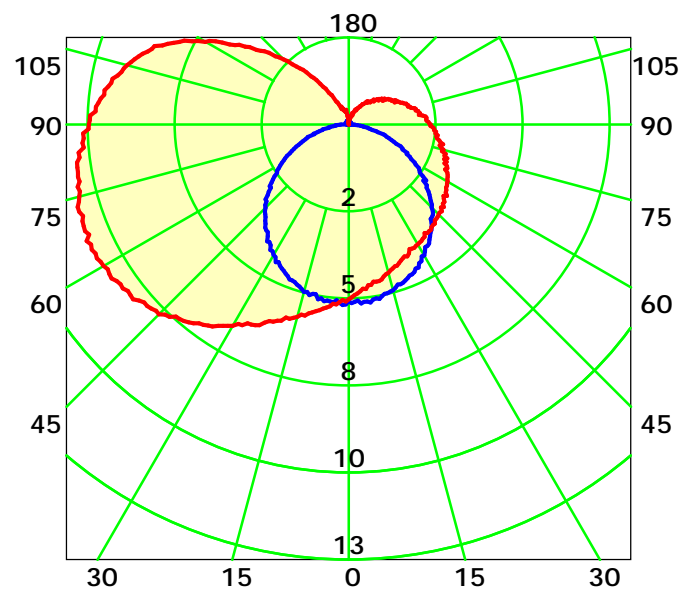
Central Intensity: 5.54 cd

Pos of Max. Intensity: H270 V66

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 159.7° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

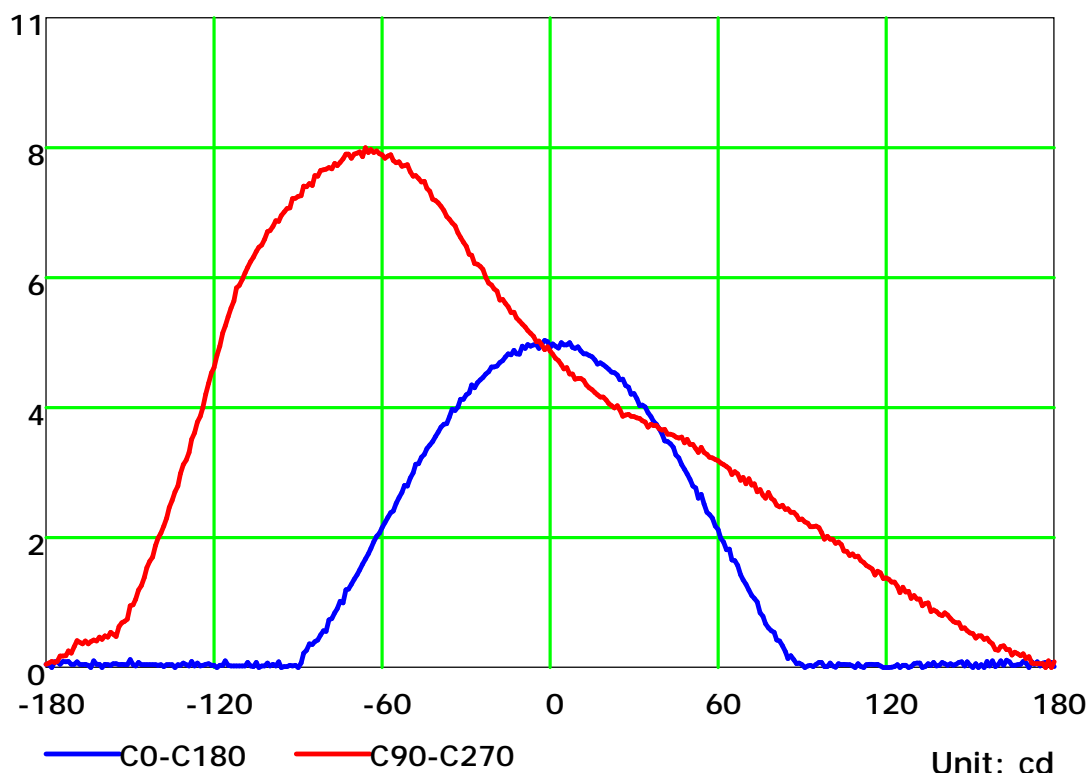
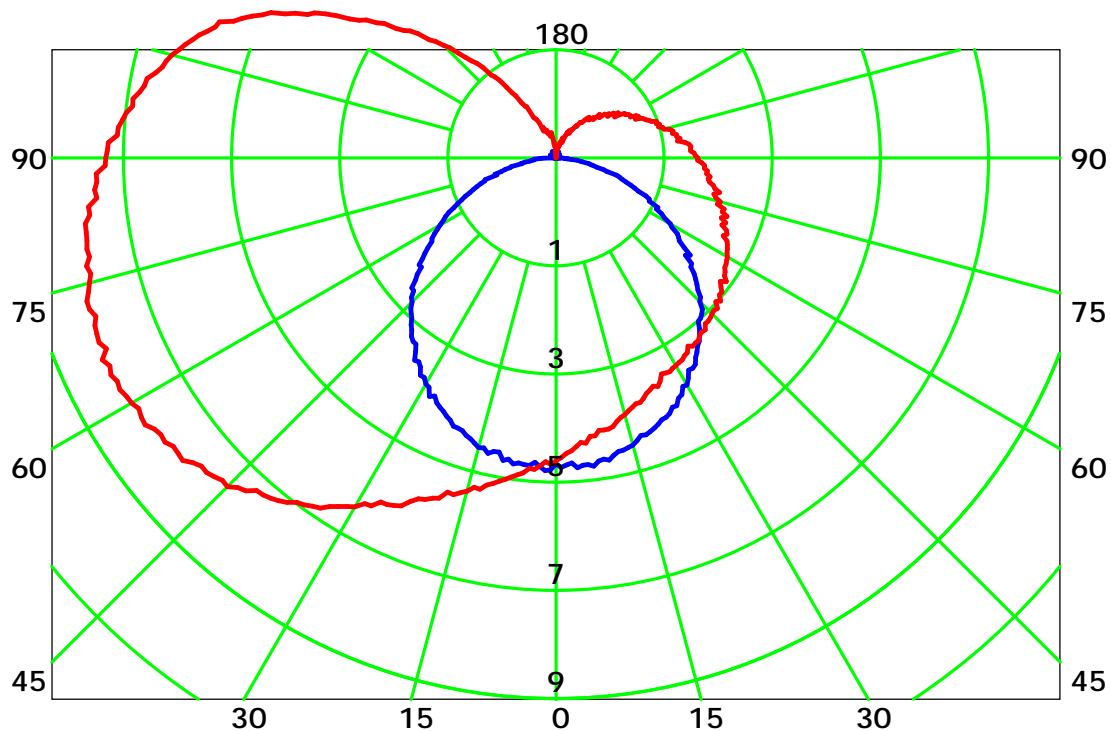
Test Device: GPM-1800B

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: Kerr

Gamma Plane (°):0.0-180.0:1.0

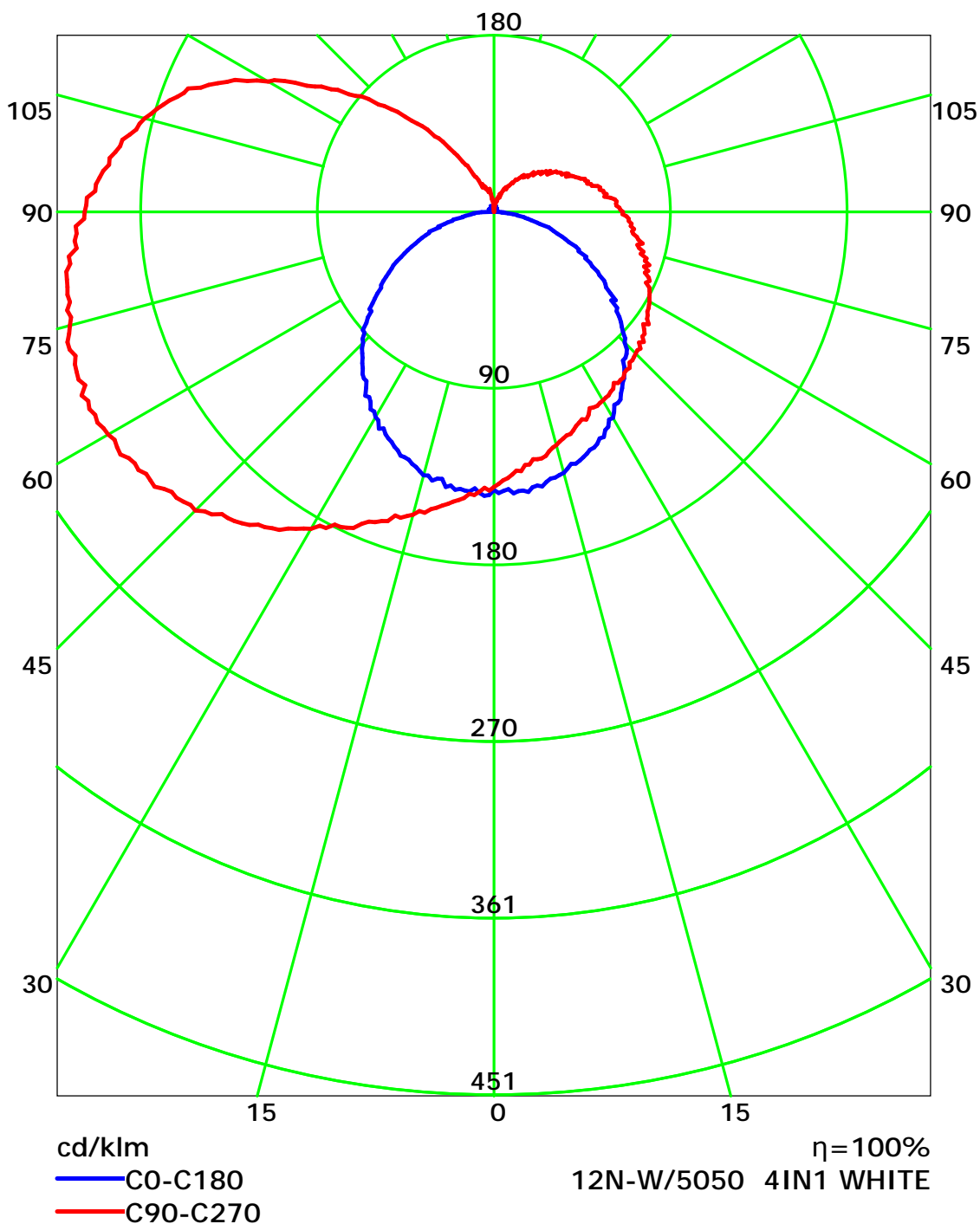
Test Device: GPM-1800B

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: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

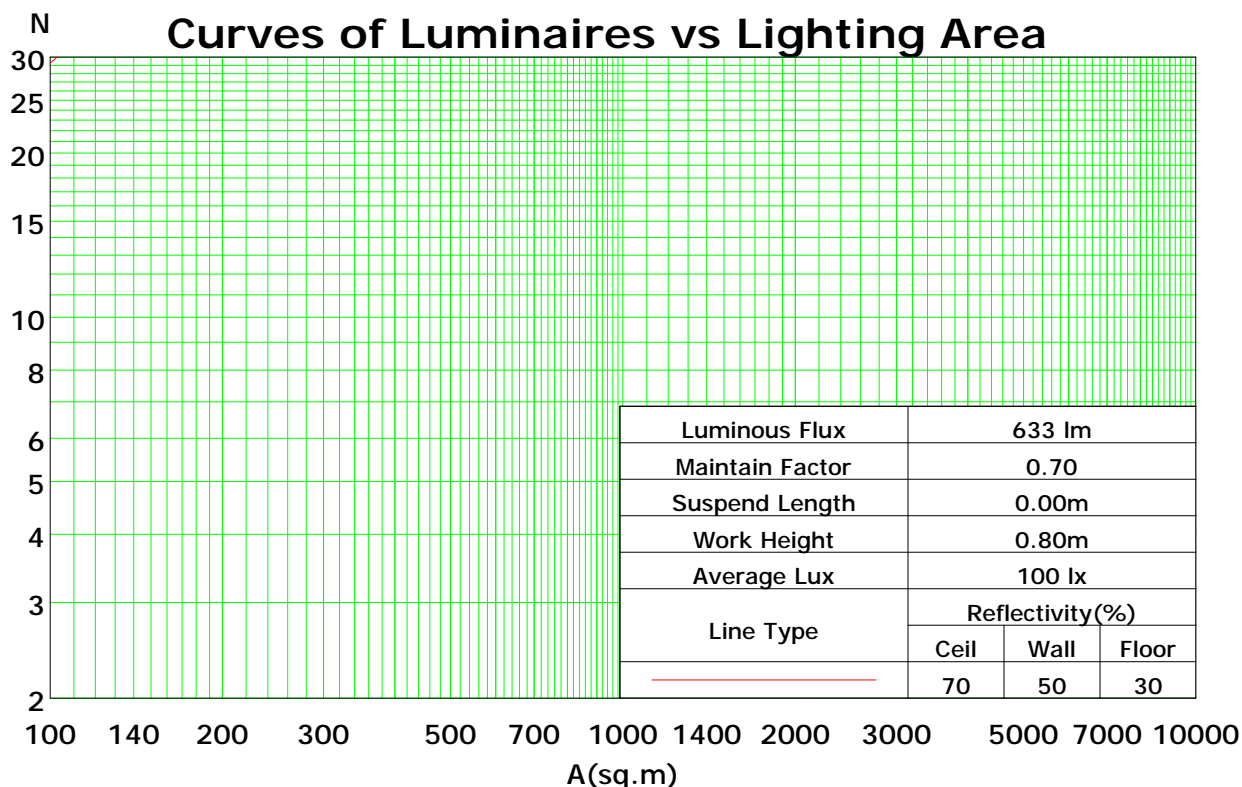
## Coefficients Of Utilization - Zonal Cavity Method

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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	72
1	98	91	86	80	92	86	81	76	77	73	69	68	65	62	60	57	55	51
2	87	77	69	62	82	73	66	59	65	59	53	57	52	48	50	46	43	39
3	79	67	57	50	74	63	54	47	56	49	43	49	43	39	43	38	35	31
4	71	58	48	41	67	55	46	39	49	41	36	43	37	32	38	33	29	25
5	65	51	42	34	61	48	40	33	43	36	30	38	32	27	33	28	24	21
6	60	46	36	29	56	43	34	28	39	31	26	34	28	23	30	25	21	18
7	55	41	32	25	52	39	30	24	35	28	22	31	25	20	27	22	18	16
8	51	37	28	22	48	35	27	21	32	25	20	28	22	18	25	20	16	14
9	48	34	25	20	45	32	24	19	29	22	17	26	20	16	23	18	14	12
10	45	31	23	18	42	30	22	17	27	20	16	24	18	14	21	16	13	11

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.67

Spacing Criteria (Diagonal): 1.62



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

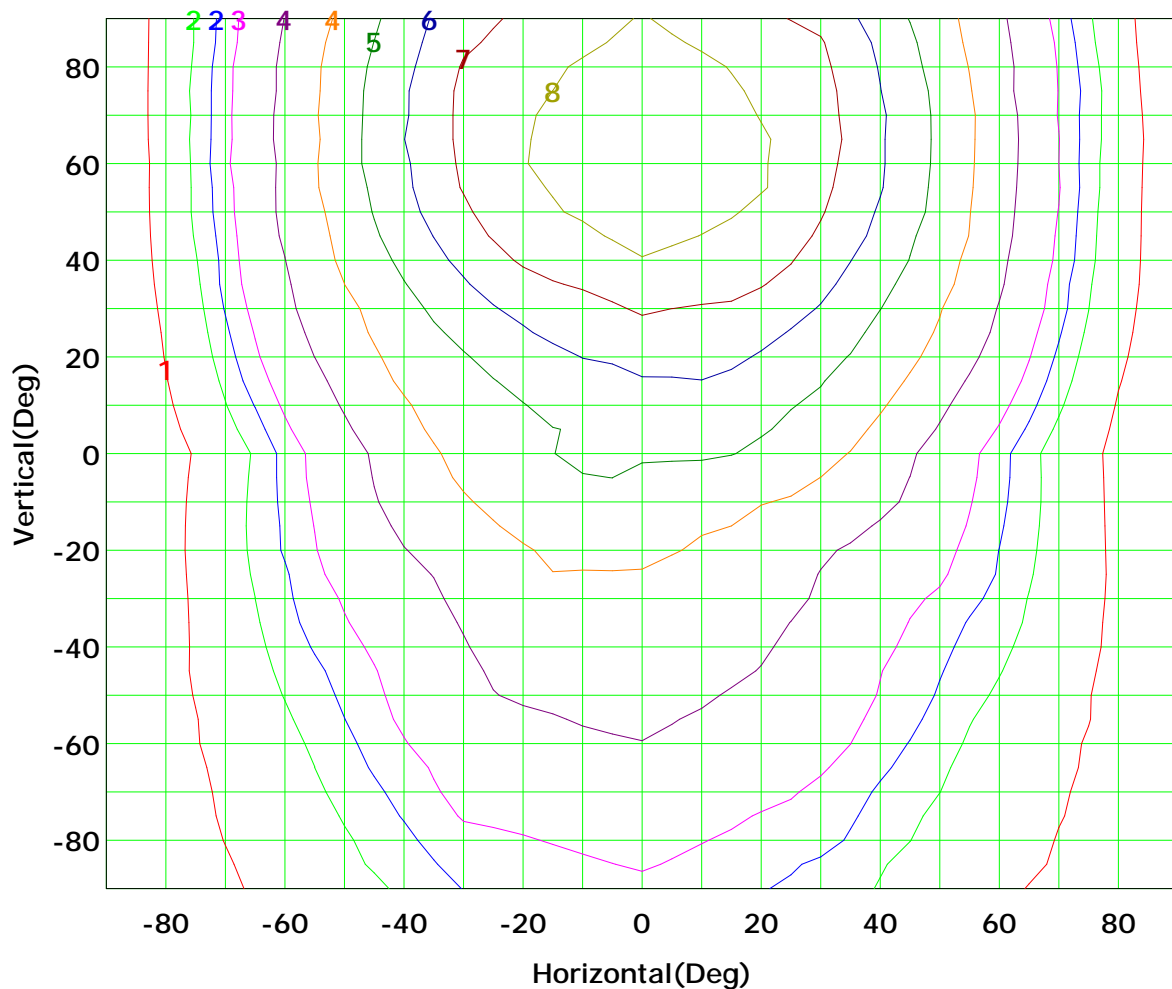
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 9 cd

( 10%):	1 cd	( 20%):	2 cd
( 25%):	2 cd	( 30%):	3 cd
( 40%):	4 cd	( 50%):	4 cd
( 60%):	5 cd	( 70%):	6 cd
( 80%):	7 cd	( 90%):	8 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

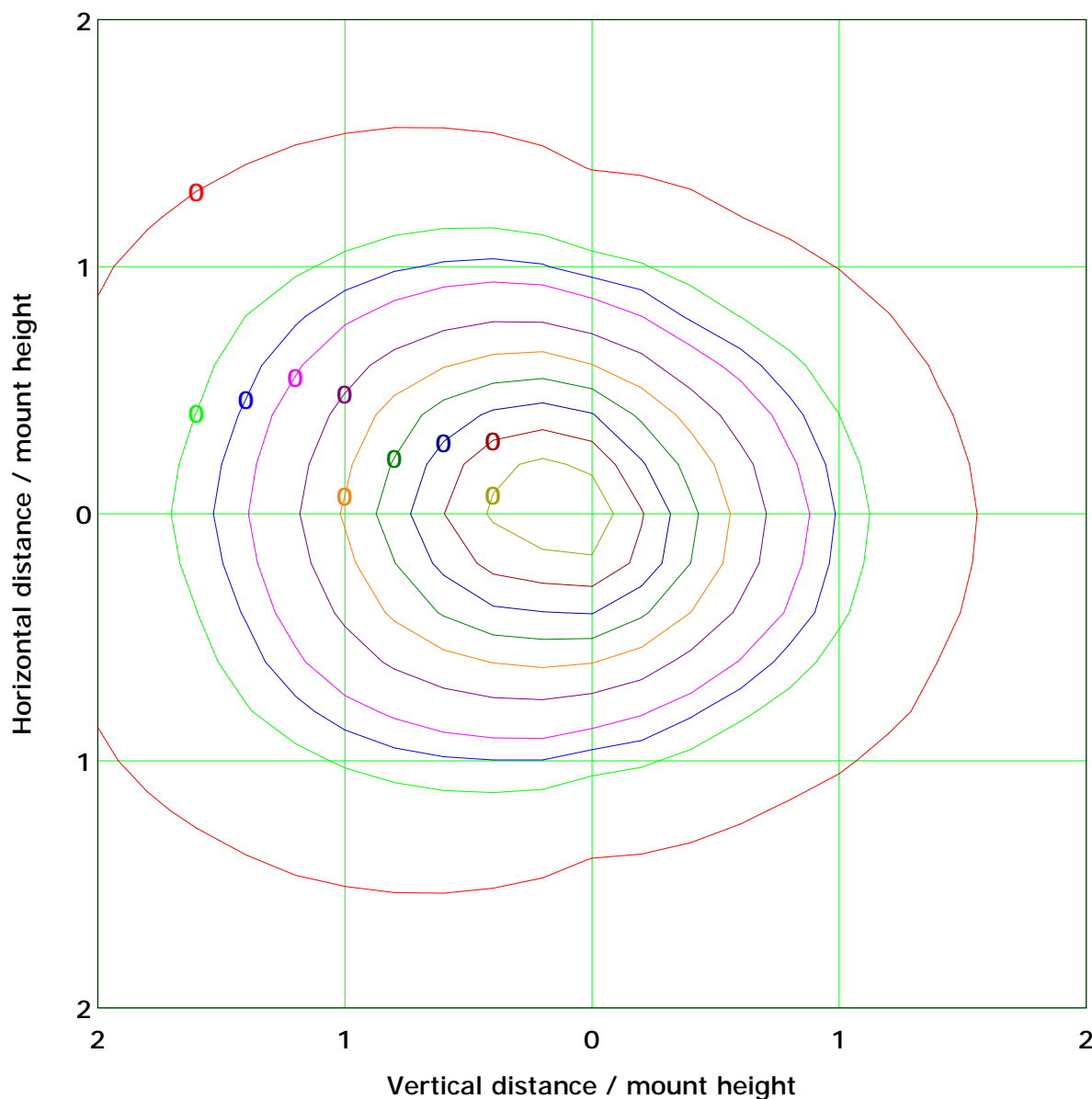
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 0.2 lx

( 10%): 0.0 lx	( 20%): 0.0 lx
( 25%): 0.1 lx	( 30%): 0.1 lx
( 40%): 0.1 lx	( 50%): 0.1 lx
( 60%): 0.1 lx	( 70%): 0.2 lx
( 80%): 0.2 lx	( 90%): 0.2 lx

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

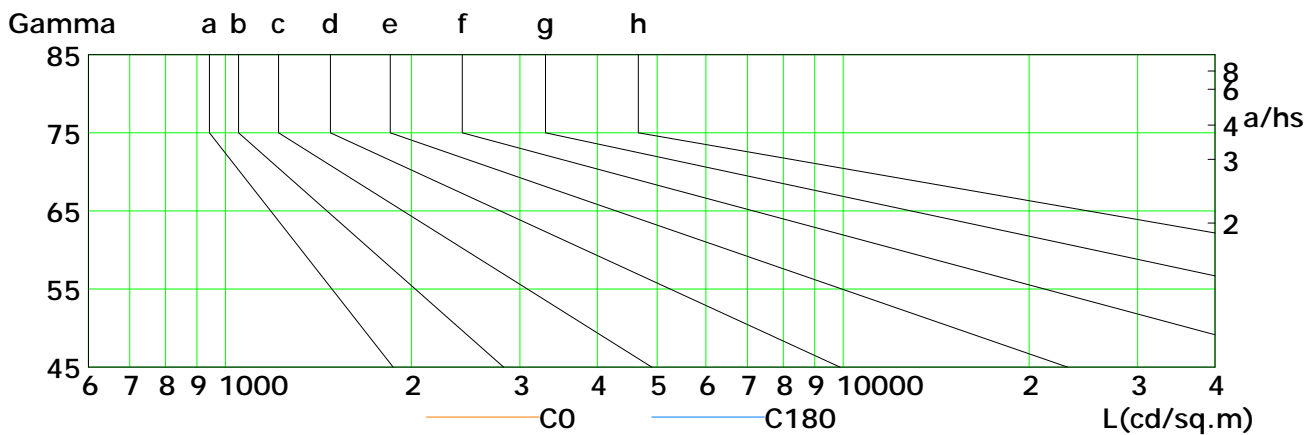
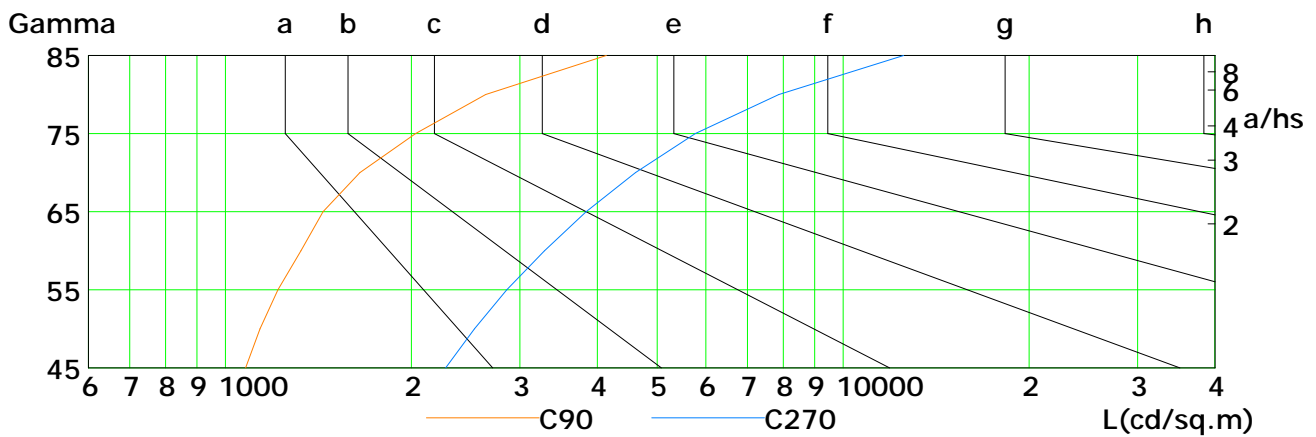
Inspector:



## 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	315	271	230	192	148	115	77	50	13
C90	1079	1139	1217	1326	1439	1651	2031	2640	4136
C180	316	273	231	194	157	122	93	52	34
C270	2274	2531	2856	3286	3838	4610	5764	7874	12543

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

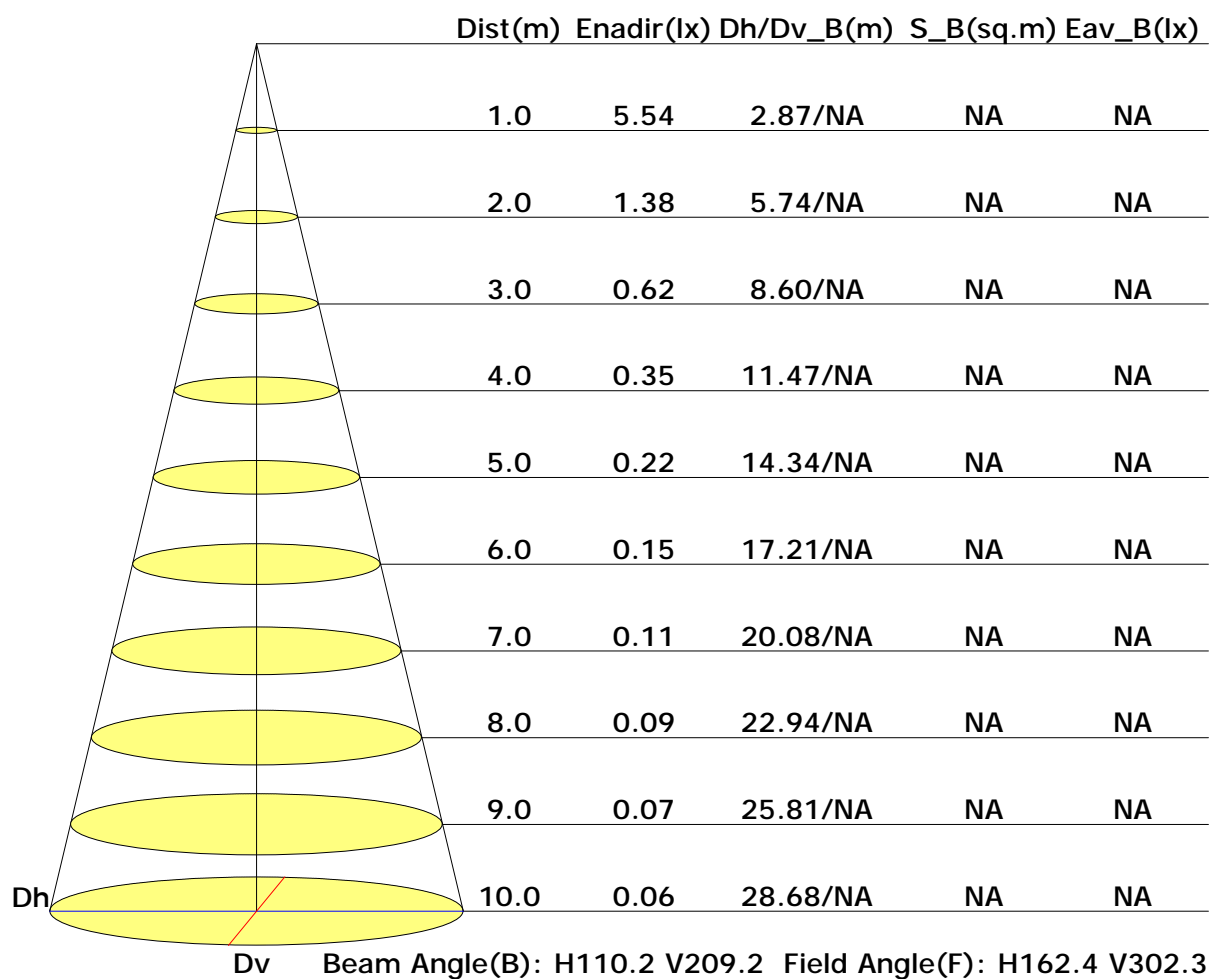
Test Device: GPM-1800B

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: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

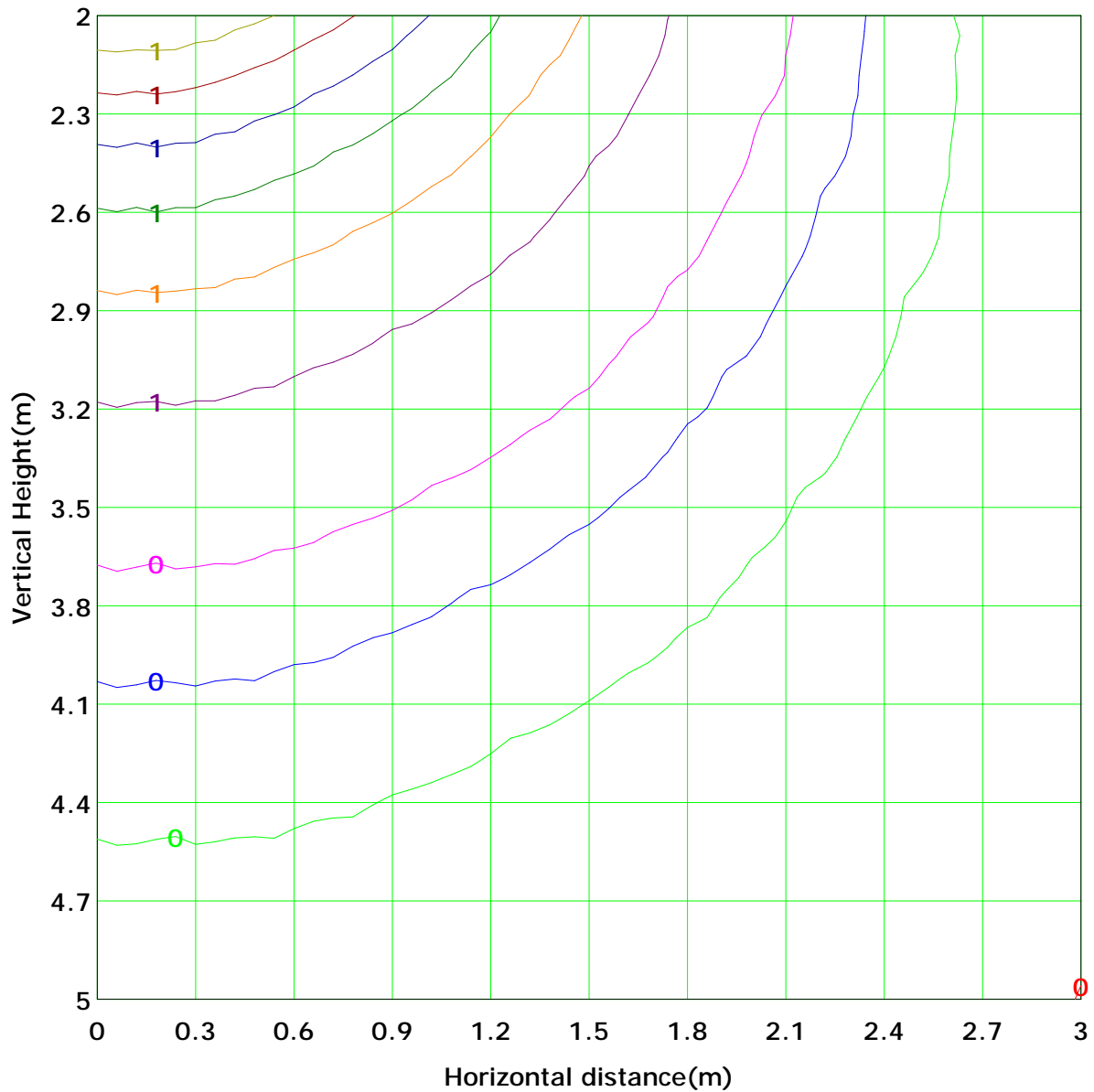
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 1.4 lx
( 10%): 0.1 lx	( 20%): 0.3 lx	( 30%): 0.4 lx
( 25%): 0.3 lx	( 50%): 0.7 lx	( 70%): 1.0 lx
( 40%): 0.6 lx	( 90%): 1.3 lx	
( 60%): 0.8 lx		
( 80%): 1.1 lx		

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

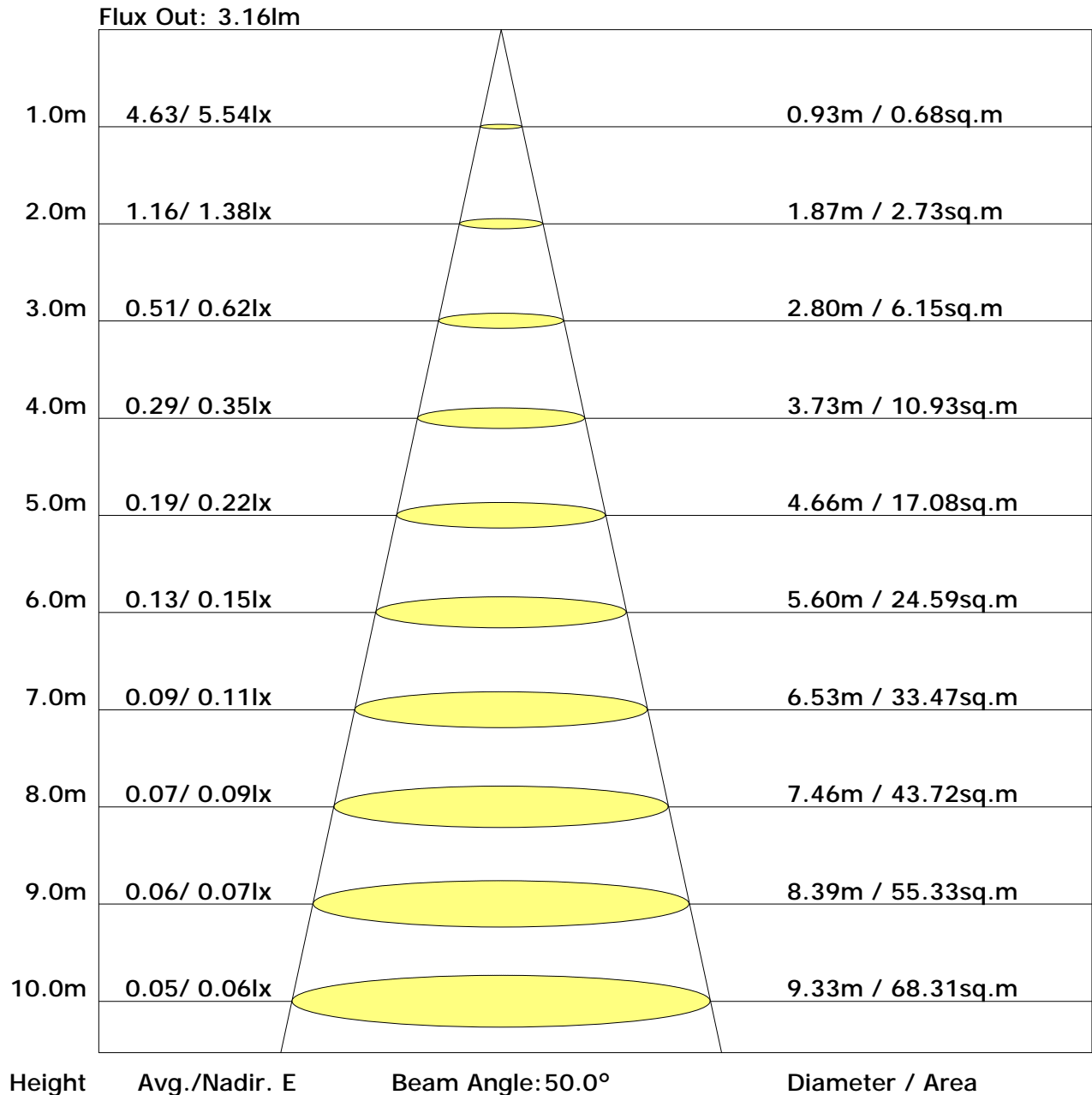
Inspector:

## Unit: 1m

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



## The Average Illuminance Effective Figure



## 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	18.2	19.5	19.0	20.3	21.2	16.0	17.2	16.7	18.0	18.9
3H	20.2	21.4	20.9	22.1	23.1	18.3	19.4	19.0	20.2	21.2
4H	21.0	22.1	21.7	22.9	23.8	19.4	20.5	20.1	21.3	22.2
6H	21.5	22.6	22.3	23.3	24.3	20.4	21.5	21.2	22.3	23.2
8H	21.7	22.7	22.5	23.5	24.5	20.9	21.9	21.7	22.7	23.7
12H	21.8	22.8	22.6	23.6	24.6	21.4	22.4	22.2	23.2	24.2
X=4H Y=2H	19.3	20.4	20.1	21.2	22.1	16.6	17.7	17.3	18.5	19.4
3H	21.5	22.5	22.3	23.3	24.3	19.1	20.1	19.9	20.9	21.9
4H	22.5	23.4	23.3	24.2	25.2	20.4	21.3	21.2	22.1	23.1
6H	23.2	24.0	24.0	24.9	25.9	21.7	22.5	22.5	23.3	24.3
8H	23.5	24.3	24.3	25.1	26.1	22.3	23.0	23.1	23.9	24.9
12H	23.7	24.4	24.5	25.3	26.3	22.9	23.6	23.7	24.4	25.4
X=8H Y=4H	23.4	24.1	24.2	25.0	26.0	20.8	21.5	21.6	22.4	23.4
6H	24.4	25.1	25.3	26.0	27.0	22.2	22.9	23.1	23.8	24.8
8H	24.9	25.5	25.7	26.4	27.4	23.0	23.6	23.9	24.5	25.5
12H	25.3	25.8	26.1	26.7	27.8	23.8	24.3	24.6	25.2	26.3
X=12H Y=4H	23.6	24.3	24.4	25.2	26.2	20.8	21.5	21.6	22.4	23.4
6H	24.8	25.4	25.7	26.3	27.3	22.4	23.0	23.2	23.8	24.9
8H	25.4	26.0	26.3	26.8	27.9	23.2	23.7	24.1	24.6	25.7

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

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 = 1.75								
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	NA	0.52	0.58	0.63	0.70	0.75	0.79	0.84	0.87
	0.30		NA	0.44	0.50	0.55	0.63	0.68	0.73	0.78	0.82
	0.20		NA	0.37	0.44	0.49	0.57	0.63	0.67	0.74	0.78
0.50	0.50	0.20	NA	0.47	0.52	0.57	0.63	0.67	0.70	0.75	0.78
	0.30		NA	0.40	0.45	0.50	0.57	0.62	0.65	0.70	0.74
	0.20		NA	0.35	0.40	0.45	0.52	0.57	0.61	0.66	0.70
0.30	0.50	0.20	NA	0.42	0.47	0.50	0.56	0.60	0.62	0.66	0.69
	0.30		NA	0.36	0.41	0.45	0.51	0.55	0.58	0.63	0.66
	0.20		NA	0.31	0.37	0.41	0.47	0.51	0.55	0.60	0.63
0.00	0.00	0.00	NA	0.26	0.30	0.33	0.39	0.42	0.45	0.49	0.52
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 = 1.75								
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	NA	0.89	0.78	0.70	0.58	0.50	0.44	0.36	0.30
	0.30		NA	0.76	0.68	0.62	0.53	0.46	0.41	0.34	0.29
	0.20		NA	0.67	0.61	0.56	0.48	0.42	0.38	0.32	0.27
0.50	0.50	0.20	NA	0.81	0.71	0.64	0.53	0.48	0.40	0.33	0.28
	0.30		NA	0.70	0.63	0.57	0.49	0.42	0.38	0.31	0.27
	0.20		NA	0.62	0.56	0.52	0.45	0.39	0.35	0.30	0.26
0.30	0.50	0.20	NA	0.73	0.65	0.58	0.48	0.42	0.37	0.30	0.26
	0.30		NA	0.65	0.58	0.52	0.45	0.39	0.35	0.29	0.25
	0.20		NA	0.58	0.52	0.48	0.41	0.37	0.33	0.27	0.24
0.00	0.00	0.00	0.71	0.46	0.42	0.38	0.33	0.29	0.26	0.22	0.19
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 = 1.75								
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	NA	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.49
	0.30		NA	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46
	0.20		NA	0.33	0.34	0.36	0.37	0.39	0.40	0.41	0.42
0.50	0.50	0.20	NA	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.47
	0.30		NA	0.38	0.39	0.40	0.41	0.42	0.42	0.43	0.44
	0.20		NA	0.33	0.34	0.35	0.36	0.38	0.39	0.40	0.41
0.30	0.50	0.20	NA	0.42	0.43	0.44	0.44	0.45	0.45	0.45	0.45
	0.30		NA	0.37	0.38	0.39	0.40	0.40	0.41	0.42	0.42
	0.20		NA	0.33	0.34	0.34	0.36	0.37	0.38	0.39	0.40
0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
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	5.5	0.0	0.0	0.01	0.01
1.0-2.0	5.5	0.0	0.0	0.04	0.05
2.0-3.0	5.5	0.0	0.0	0.07	0.12
3.0-4.0	5.5	0.0	0.1	0.09	0.22
4.0-5.0	5.5	0.0	0.1	0.12	0.34
5.0-6.0	5.4	0.1	0.2	0.15	0.48
6.0-7.0	5.4	0.1	0.3	0.17	0.66
7.0-8.0	5.4	0.1	0.3	0.20	0.86
8.0-9.0	5.4	0.1	0.4	0.23	1.08
9.0-10.0	5.4	0.1	0.5	0.25	1.34
10.0-11.0	5.4	0.1	0.6	0.28	1.61
11.0-12.0	5.4	0.1	0.7	0.30	1.92
12.0-13.0	5.4	0.1	0.9	0.33	2.25
13.0-14.0	5.4	0.1	1.0	0.36	2.61
14.0-15.0	5.4	0.1	1.2	0.38	2.99
15.0-16.0	5.4	0.2	1.3	0.41	3.39
16.0-17.0	5.4	0.2	1.5	0.43	3.82
17.0-18.0	5.4	0.2	1.7	0.45	4.28
18.0-19.0	5.4	0.2	1.9	0.48	4.75
19.0-20.0	5.3	0.2	2.0	0.50	5.26
20.0-21.0	5.3	0.2	2.3	0.53	5.79
21.0-22.0	5.3	0.2	2.5	0.55	6.34
22.0-23.0	5.3	0.2	2.7	0.57	6.91
23.0-24.0	5.3	0.2	2.9	0.60	7.50
24.0-25.0	5.3	0.2	3.2	0.62	8.12
25.0-26.0	5.3	0.2	3.4	0.64	8.76
26.0-27.0	5.2	0.3	3.7	0.66	9.42
27.0-28.0	5.2	0.3	3.9	0.68	10.10
28.0-29.0	5.2	0.3	4.2	0.70	10.80
29.0-30.0	5.2	0.3	4.5	0.73	11.53
30.0-31.0	5.2	0.3	4.8	0.74	12.27
31.0-32.0	5.2	0.3	5.1	0.76	13.04
32.0-33.0	5.2	0.3	5.4	0.78	13.82
33.0-34.0	5.2	0.3	5.7	0.80	14.62
34.0-35.0	5.1	0.3	6.0	0.82	15.44
35.0-36.0	5.1	0.3	6.3	0.84	16.28

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

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	5.1	0.3	6.7	0.85	17.13
37.0-38.0	5.1	0.3	7.0	0.87	18.01
38.0-39.0	5.1	0.3	7.4	0.89	18.90
39.0-40.0	5.0	0.4	7.7	0.90	19.80
40.0-41.0	5.0	0.4	8.1	0.92	20.72
41.0-42.0	5.0	0.4	8.4	0.94	21.66
42.0-43.0	5.0	0.4	8.8	0.95	22.61
43.0-44.0	5.0	0.4	9.2	0.97	23.57
44.0-45.0	5.0	0.4	9.6	0.98	24.55
45.0-46.0	4.9	0.4	9.9	0.99	25.54
46.0-47.0	4.9	0.4	10.3	1.00	26.55
47.0-48.0	4.9	0.4	10.7	1.02	27.57
48.0-49.0	4.9	0.4	11.1	1.03	28.59
49.0-50.0	4.8	0.4	11.5	1.04	29.63
50.0-51.0	4.8	0.4	11.9	1.05	30.67
51.0-52.0	4.8	0.4	12.3	1.05	31.73
52.0-53.0	4.7	0.4	12.8	1.06	32.79
53.0-54.0	4.7	0.4	13.2	1.07	33.86
54.0-55.0	4.7	0.4	13.6	1.08	34.94
55.0-56.0	4.7	0.4	14.0	1.08	36.02
56.0-57.0	4.6	0.4	14.4	1.08	37.10
57.0-58.0	4.6	0.4	14.9	1.09	38.20
58.0-59.0	4.6	0.4	15.3	1.10	39.29
59.0-60.0	4.5	0.4	15.7	1.10	40.39
60.0-61.0	4.5	0.4	16.2	1.10	41.49
61.0-62.0	4.5	0.4	16.6	1.10	42.60
62.0-63.0	4.4	0.4	17.0	1.11	43.70
63.0-64.0	4.4	0.4	17.4	1.11	44.81
64.0-65.0	4.3	0.4	17.9	1.10	45.91
65.0-66.0	4.3	0.4	18.3	1.10	47.02
66.0-67.0	4.3	0.4	18.7	1.10	48.12
67.0-68.0	4.2	0.4	19.2	1.09	49.21
68.0-69.0	4.2	0.4	19.6	1.09	50.30
69.0-70.0	4.1	0.4	20.0	1.09	51.39
70.0-71.0	4.1	0.4	20.4	1.08	52.47
71.0-72.0	4.0	0.4	20.8	1.08	53.55

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

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	4.0	0.4	21.3	1.08	54.63
73.0-74.0	3.9	0.4	21.7	1.07	55.70
74.0-75.0	3.9	0.4	22.1	1.06	56.75
75.0-76.0	3.8	0.4	22.5	1.05	57.80
76.0-77.0	3.8	0.4	22.9	1.04	58.84
77.0-78.0	3.8	0.4	23.3	1.03	59.87
78.0-79.0	3.7	0.4	23.7	1.03	60.90
79.0-80.0	3.7	0.4	24.1	1.02	61.92
80.0-81.0	3.6	0.4	24.5	1.01	62.93
81.0-82.0	3.6	0.4	24.9	1.00	63.92
82.0-83.0	3.5	0.4	25.3	0.99	64.91
83.0-84.0	3.5	0.4	25.6	0.98	65.89
84.0-85.0	3.5	0.4	26.0	0.97	66.86
85.0-86.0	3.4	0.4	26.4	0.96	67.82
86.0-87.0	3.4	0.4	26.8	0.95	68.77
87.0-88.0	3.3	0.4	27.1	0.94	69.71
88.0-89.0	3.3	0.4	27.5	0.93	70.64
89.0-90.0	3.2	0.4	27.8	0.91	71.55
90.0-91.0	3.2	0.4	28.2	0.90	72.45
91.0-92.0	3.2	0.3	28.5	0.90	73.35
92.0-93.0	3.1	0.3	28.9	0.89	74.23
93.0-94.0	3.1	0.3	29.2	0.87	75.11
94.0-95.0	3.1	0.3	29.6	0.87	75.97
95.0-96.0	3.1	0.3	29.9	0.86	76.83
96.0-97.0	3.0	0.3	30.2	0.85	77.68
97.0-98.0	3.0	0.3	30.6	0.84	78.51
98.0-99.0	2.9	0.3	30.9	0.82	79.33
99.0-100.0	2.9	0.3	31.2	0.81	80.14
100.0-101.0	2.9	0.3	31.5	0.80	80.94
101.0-102.0	2.8	0.3	31.8	0.78	81.72
102.0-103.0	2.8	0.3	32.1	0.77	82.49
103.0-104.0	2.8	0.3	32.4	0.76	83.25
104.0-105.0	2.7	0.3	32.7	0.74	83.98
105.0-106.0	2.7	0.3	33.0	0.73	84.71
106.0-107.0	2.6	0.3	33.2	0.71	85.42
107.0-108.0	2.6	0.3	33.5	0.69	86.11

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

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	2.5	0.3	33.8	0.67	86.78
109.0-110.0	2.5	0.3	34.0	0.65	87.43
110.0-111.0	2.4	0.2	34.3	0.63	88.06
111.0-112.0	2.4	0.2	34.5	0.62	88.68
112.0-113.0	2.3	0.2	34.7	0.60	89.28
113.0-114.0	2.2	0.2	35.0	0.57	89.85
114.0-115.0	2.2	0.2	35.2	0.56	90.41
115.0-116.0	2.1	0.2	35.4	0.53	90.94
116.0-117.0	2.0	0.2	35.6	0.51	91.46
117.0-118.0	2.0	0.2	35.8	0.50	91.95
118.0-119.0	1.9	0.2	36.0	0.47	92.43
119.0-120.0	1.8	0.2	36.2	0.45	92.88
120.0-121.0	1.8	0.2	36.3	0.44	93.32
121.0-122.0	1.7	0.2	36.5	0.42	93.73
122.0-123.0	1.7	0.2	36.6	0.40	94.13
123.0-124.0	1.6	0.1	36.8	0.38	94.51
124.0-125.0	1.6	0.1	36.9	0.36	94.87
125.0-126.0	1.5	0.1	37.1	0.34	95.21
126.0-127.0	1.4	0.1	37.2	0.33	95.54
127.0-128.0	1.4	0.1	37.3	0.31	95.85
128.0-129.0	1.3	0.1	37.4	0.30	96.15
129.0-130.0	1.3	0.1	37.5	0.28	96.43
130.0-131.0	1.2	0.1	37.6	0.26	96.69
131.0-132.0	1.2	0.1	37.7	0.25	96.94
132.0-133.0	1.1	0.1	37.8	0.23	97.17
133.0-134.0	1.1	0.1	37.9	0.22	97.39
134.0-135.0	1.0	0.1	38.0	0.21	97.60
135.0-136.0	1.0	0.1	38.1	0.19	97.80
136.0-137.0	0.9	0.1	38.1	0.18	97.98
137.0-138.0	0.9	0.1	38.2	0.17	98.14
138.0-139.0	0.8	0.1	38.3	0.16	98.30
139.0-140.0	0.8	0.1	38.3	0.15	98.45
140.0-141.0	0.8	0.1	38.4	0.14	98.59
141.0-142.0	0.7	0.1	38.4	0.13	98.71
142.0-143.0	0.7	0.0	38.5	0.12	98.83
143.0-144.0	0.6	0.0	38.5	0.11	98.94

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

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	0.6	0.0	38.5	0.10	99.04
145.0-146.0	0.6	0.0	38.6	0.09	99.12
146.0-147.0	0.5	0.0	38.6	0.08	99.21
147.0-148.0	0.5	0.0	38.6	0.08	99.28
148.0-149.0	0.5	0.0	38.7	0.07	99.35
149.0-150.0	0.4	0.0	38.7	0.06	99.41
150.0-151.0	0.4	0.0	38.7	0.06	99.47
151.0-152.0	0.4	0.0	38.7	0.05	99.52
152.0-153.0	0.4	0.0	38.8	0.05	99.57
153.0-154.0	0.4	0.0	38.8	0.04	99.61
154.0-155.0	0.3	0.0	38.8	0.04	99.65
155.0-156.0	0.3	0.0	38.8	0.04	99.69
156.0-157.0	0.3	0.0	38.8	0.03	99.72
157.0-158.0	0.3	0.0	38.8	0.03	99.75
158.0-159.0	0.3	0.0	38.8	0.03	99.78
159.0-160.0	0.3	0.0	38.8	0.03	99.81
160.0-161.0	0.3	0.0	38.9	0.03	99.84
161.0-162.0	0.3	0.0	38.9	0.02	99.86
162.0-163.0	0.3	0.0	38.9	0.02	99.88
163.0-164.0	0.2	0.0	38.9	0.02	99.90
164.0-165.0	0.2	0.0	38.9	0.02	99.91
165.0-166.0	0.2	0.0	38.9	0.01	99.93
166.0-167.0	0.2	0.0	38.9	0.01	99.94
167.0-168.0	0.2	0.0	38.9	0.01	99.95
168.0-169.0	0.2	0.0	38.9	0.01	99.96
169.0-170.0	0.2	0.0	38.9	0.01	99.97
170.0-171.0	0.1	0.0	38.9	0.01	99.98
171.0-172.0	0.1	0.0	38.9	0.01	99.98
172.0-173.0	0.1	0.0	38.9	0.00	99.99
173.0-174.0	0.1	0.0	38.9	0.00	99.99
174.0-175.0	0.1	0.0	38.9	0.00	100.00
175.0-176.0	0.1	0.0	38.9	0.00	100.00
176.0-177.0	0.1	0.0	38.9	0.00	100.00
177.0-178.0	0.1	0.0	38.9	0.00	100.00
178.0-179.0	0.1	0.0	38.9	0.00	100.00
179.0-180.0	0.1	0.0	38.9	0.00	100.00

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector: