GENLED Brands
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Report No.: **Test Time: 2021/8/4 16:35**

Luminaire Property

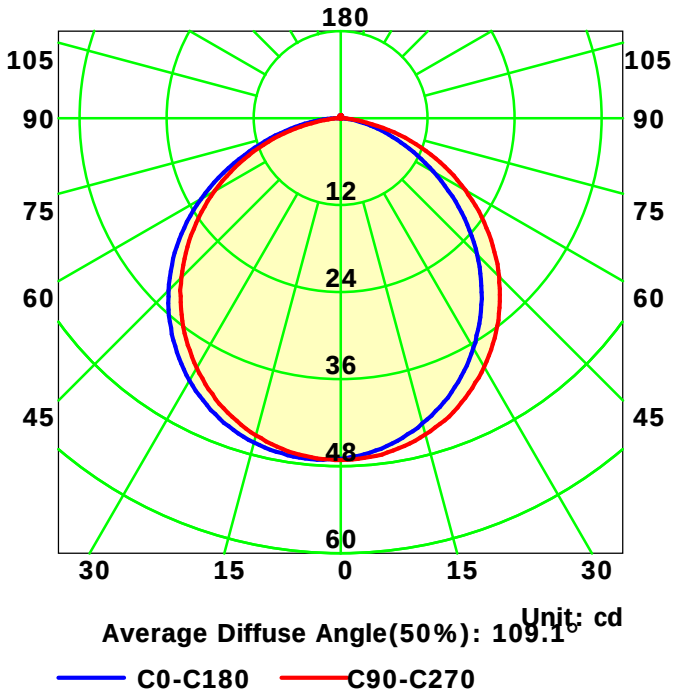
Luminaire Manufacturer:
Luminaire Category: RIBBONLYTE
Luminaire Description: 120LED 244.4RGBW
Lamp Catalog: 5050RGBW 4IN1
Lamp Description: WHITE
Number of Lamps: 120
Luminous Length (mm): 500
Luminous Width (mm): 12
Luminous Height (mm): 3
Voltage: 24.0 V
Current: 0.073 A
Power: 1.74 W
Power Factor: 1.000

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 131.2 lm
Measurement Flux: 131.2 lm
Efficiency: 100%
Downward Ratio: 99%
Upward Ratio: 1%
Horizontal Diffuse Angle(10%,50%): H156.5,H107.5
Vertical Diffuse Angle(10%,50%): V157.8,V110.7
Luminaire Efficacy Rating (LER): 75
Central Intensity: 47.39 cd
Max. Intensity: 47.66 cd
Pos of Max. Intensity: H150 V4

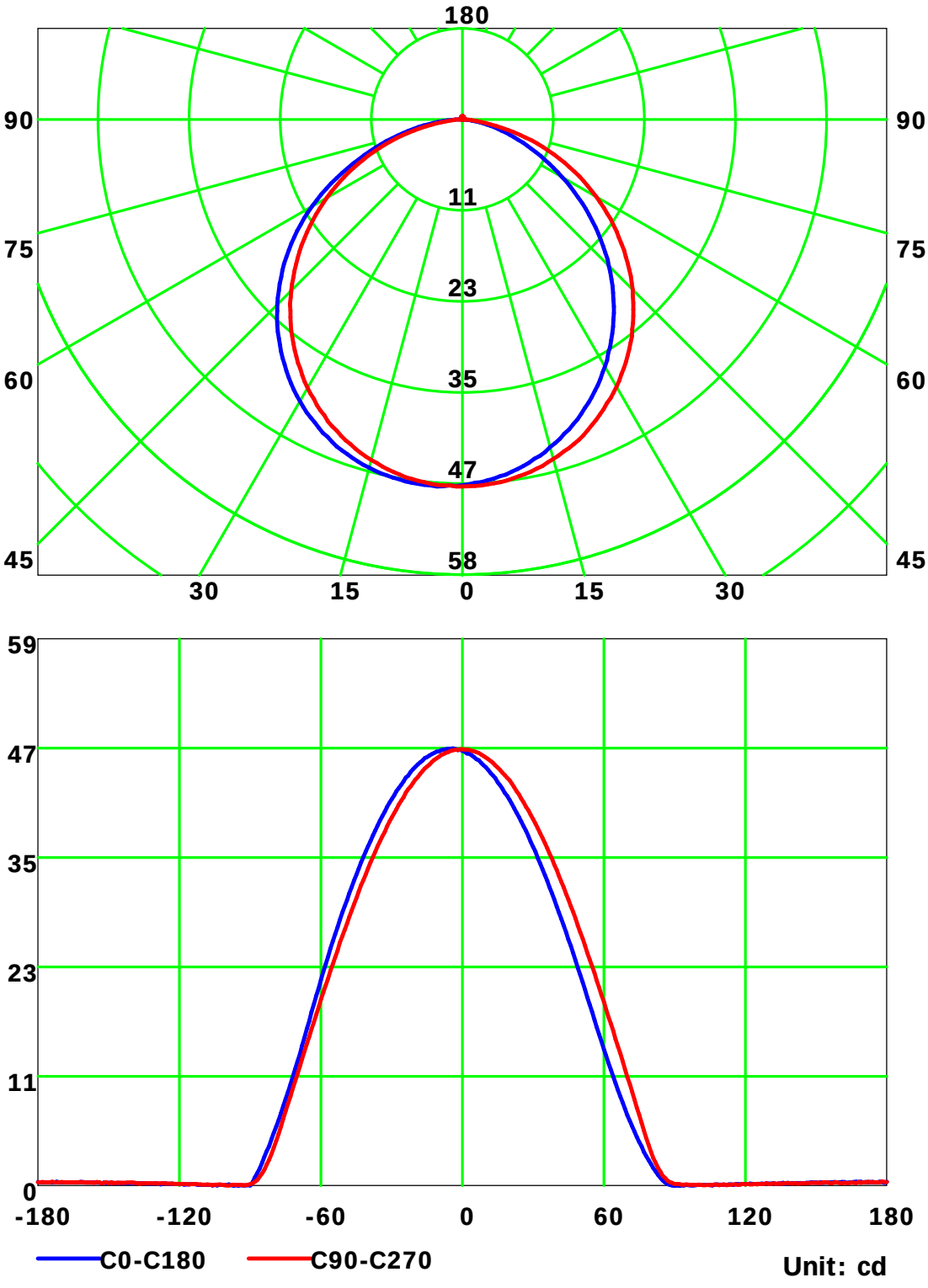
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Nick
Inspector:

Luminous Intensity Distribution Curve



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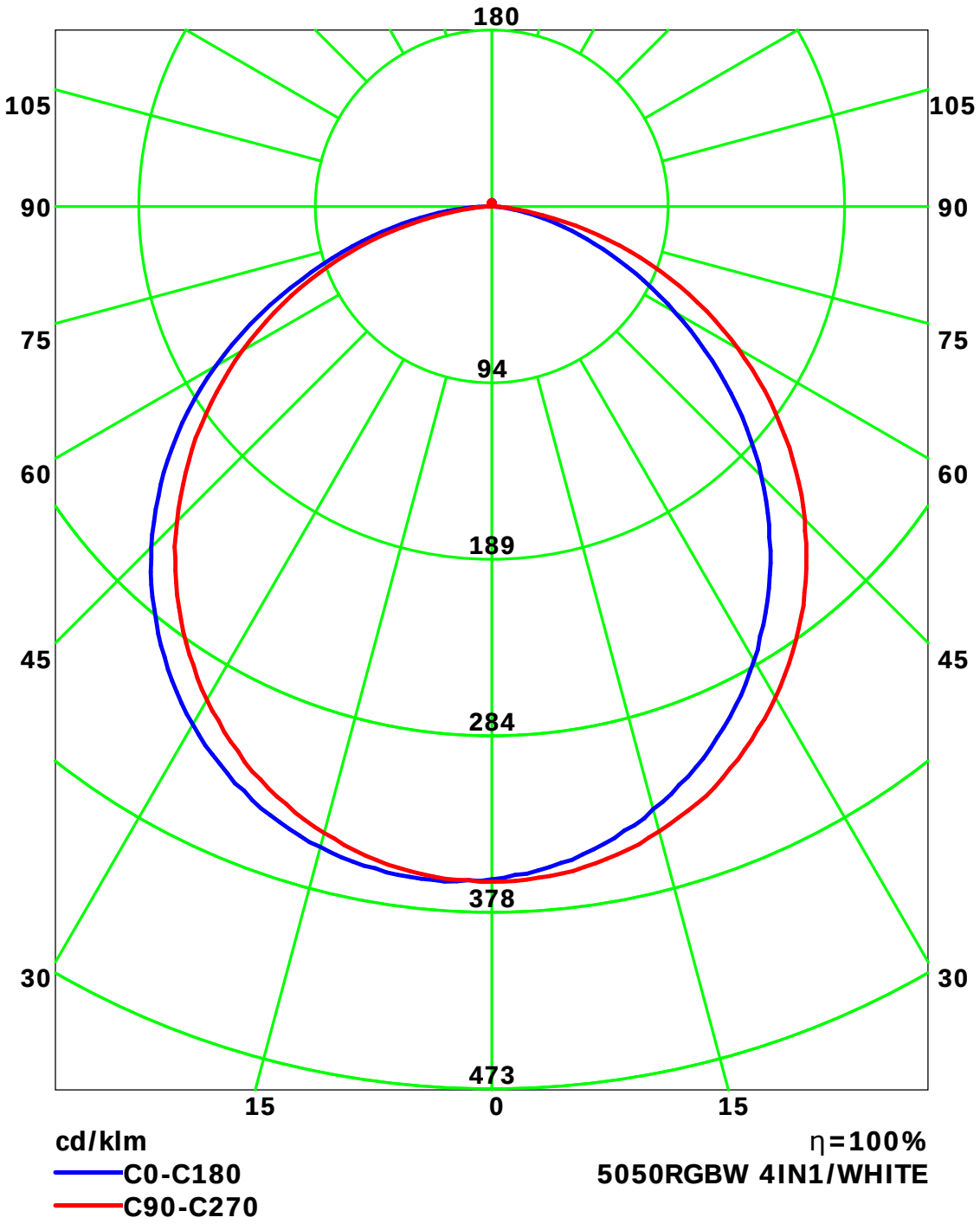
Test Type: TYPE C
Temperature: 25
Operator: Nick

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:
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Temperature: 25
Operator: Nick

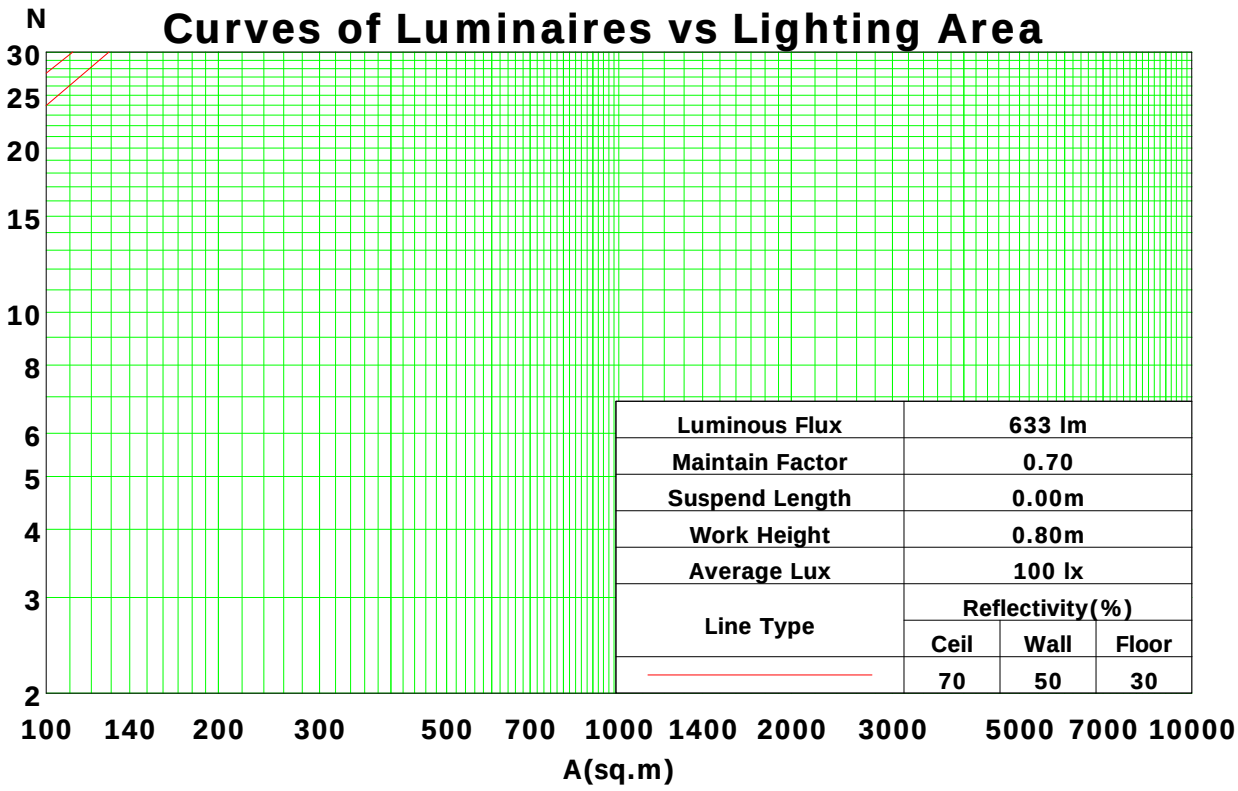
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	109	104	100	96	106	102	98	95	97	94	92	93	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	63	70	65	61	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	46	40	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.25
Spacing Criteria (Diagonal): 1.36

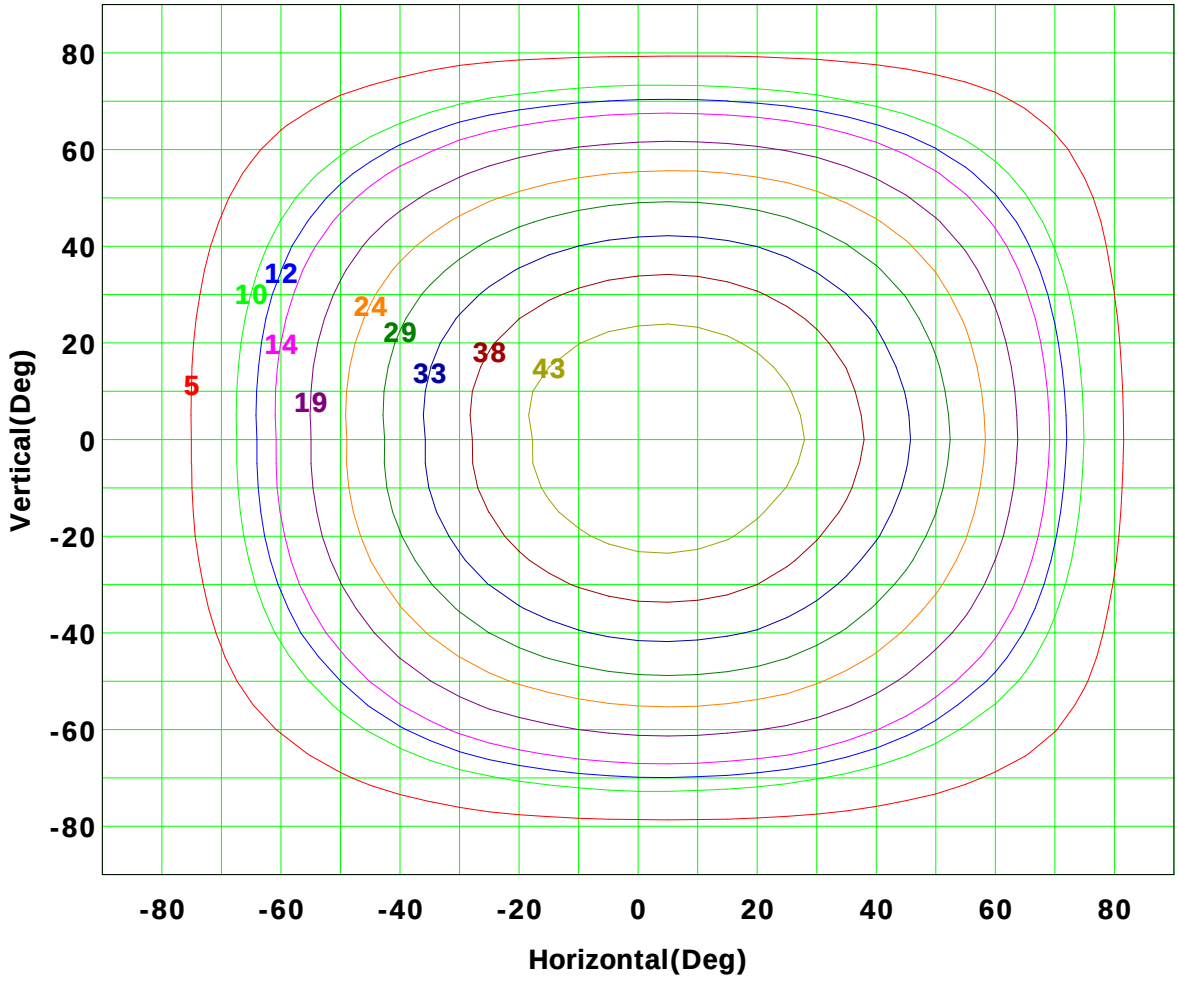
Curves of Luminaires vs Lighting Area



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)



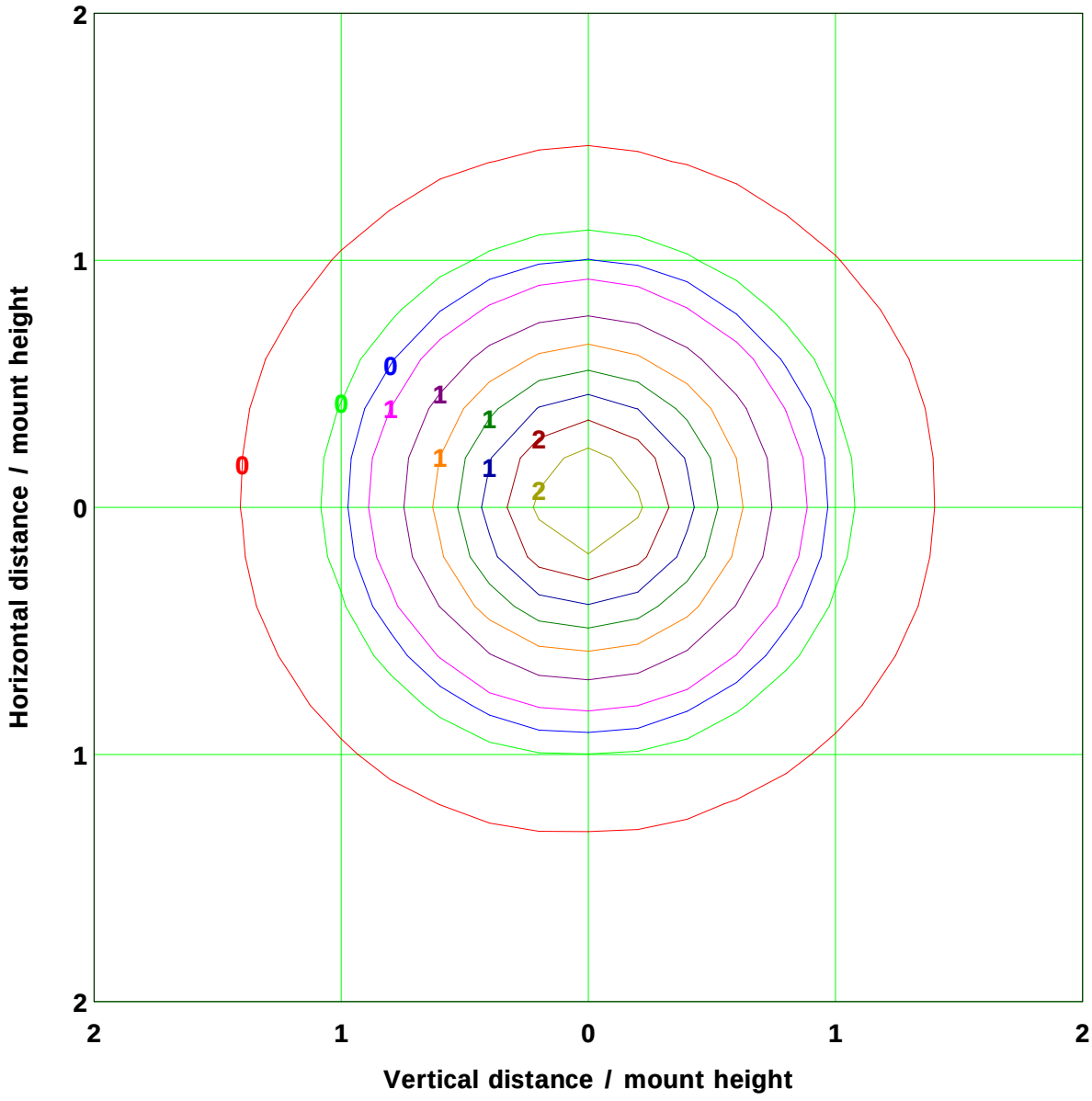
Imax (100%): 48 cd

(10%):	5 cd	(20%):	10 cd
(25%):	12 cd	(30%):	14 cd
(40%):	19 cd	(50%):	24 cd
(60%):	29 cd	(70%):	33 cd
(80%):	38 cd	(90%):	43 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%): 1.9 lx

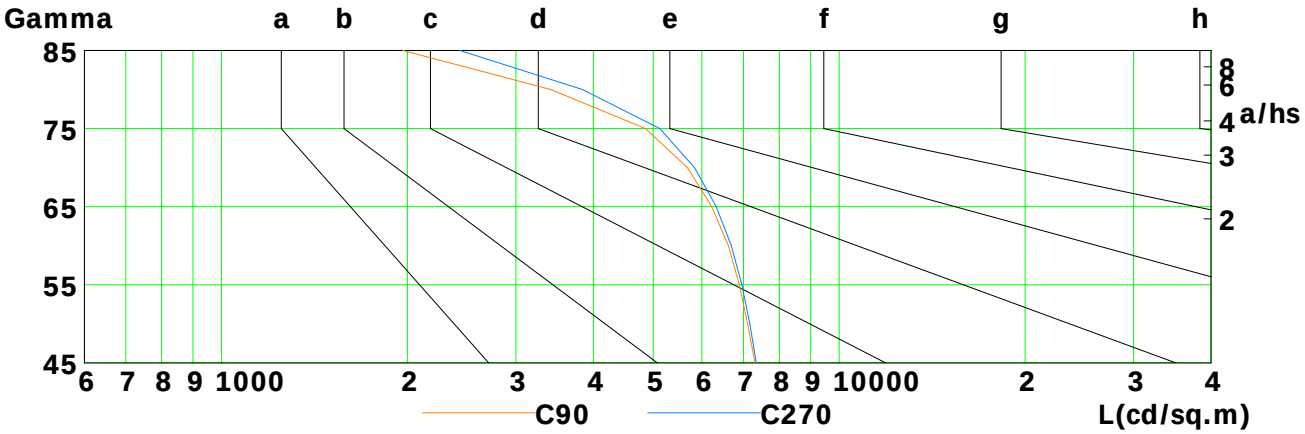
(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.8 lx	(50%): 1.0 lx
(60%): 1.1 lx	(70%): 1.3 lx
(80%): 1.5 lx	(90%): 1.7 lx

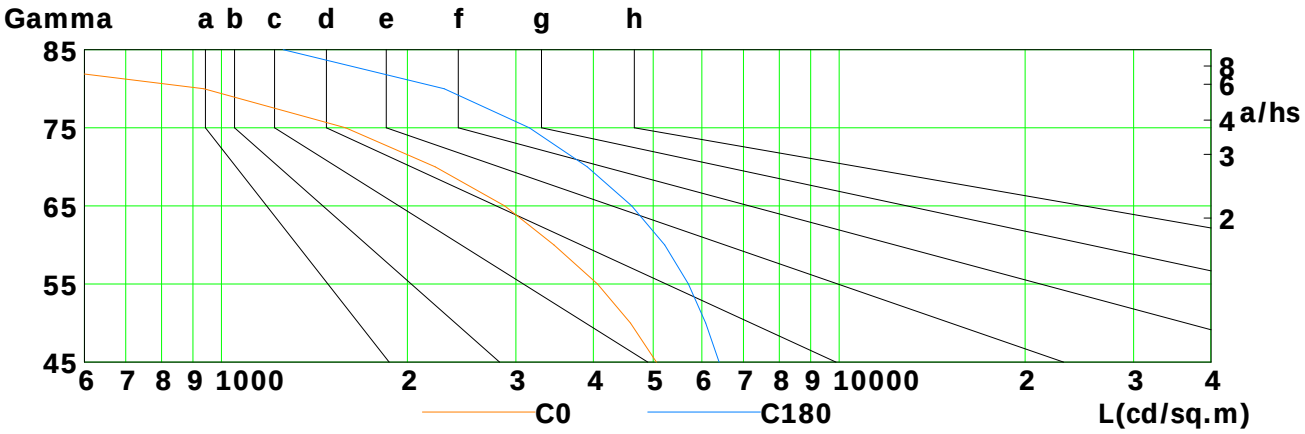
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



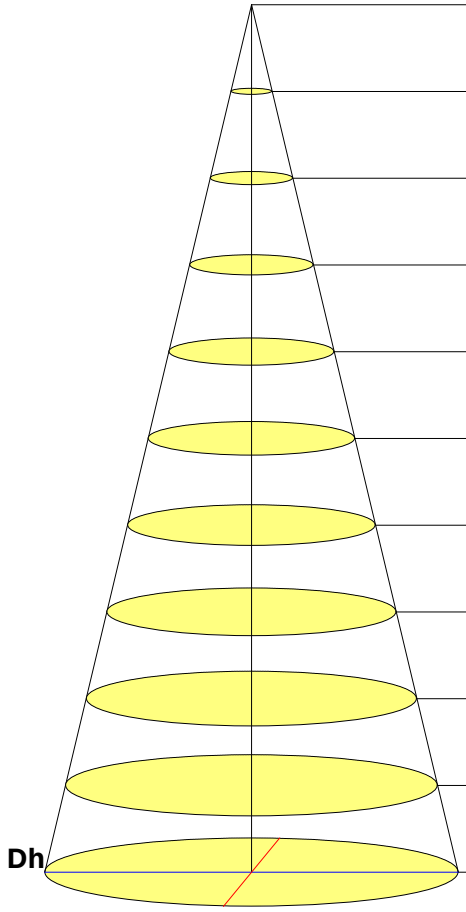


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5061	4595	4064	3457	2875	2219	1589	937	292
C90	7310	7116	6897	6621	6226	5681	4862	3416	1969
C180	6396	6085	5702	5222	4616	3914	3151	2294	1259
C270	7348	7172	6958	6690	6331	5834	5127	3843	2434

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



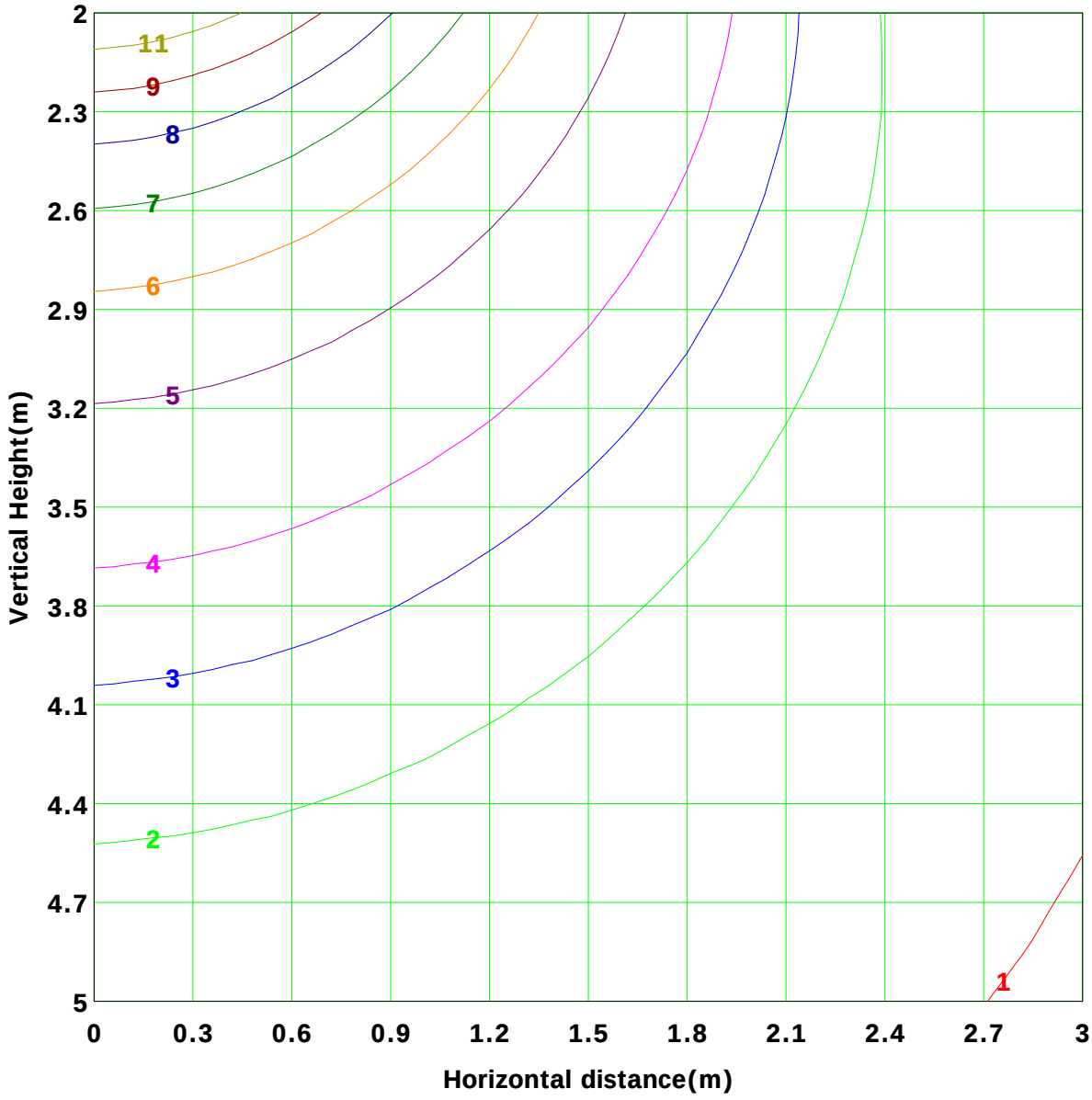
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	47.39	2.73/2.89	6.4	8.17
2.0	11.85	5.46/5.79	25.7	2.04
3.0	5.27	8.18/8.68	57.7	0.91
4.0	2.96	10.91/11.58	102.6	0.51
5.0	1.90	13.64/14.47	160.4	0.33
6.0	1.32	16.37/17.36	231.0	0.23
7.0	0.97	19.10/20.26	314.4	0.17
8.0	0.74	21.82/23.15	410.6	0.13
9.0	0.59	24.55/26.05	519.7	0.10
10.0	0.47	27.28/28.94	641.6	0.08

Beam Angle(B): H107.5 V110.7 Field Angle(F): H156.5 V157.8

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: 11.8 lx

(10%): 1.2 lx	(20%): 2.4 lx
(25%): 3.0 lx	(30%): 3.6 lx
(40%): 4.7 lx	(50%): 5.9 lx
(60%): 7.1 lx	(70%): 8.3 lx
(80%): 9.5 lx	(90%): 10.7 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:

Area Flux Table

Unit: lm

Vertical plane	Flux(E)	Flux(T)
-90	0.0	0.0
-80	0.0	0.0
-70	0.0	0.0
-60	0.0	0.0
-50	0.0	0.0
-40	0.0	0.0
-30	0.0	0.0
-20	0.0	0.0
-10	0.0	0.0
0	0.0	0.0
10	0.0	0.0
20	0.0	0.0
30	0.0	0.0
40	0.0	0.0
50	0.0	0.0
60	0.0	0.0
70	0.0	0.0
80	0.0	0.0
90	0.1	0.0
80	0.0	0.0
70	0.0	0.0
60	0.0	0.0
50	0.0	0.0
40	0.0	0.0
30	0.0	0.0
20	0.0	0.0
10	0.0	0.0
0	0.0	0.0
-10	0.0	0.0
-20	0.0	0.0
-30	0.0	0.0
-40	0.0	0.0
-50	0.0	0.0
-60	0.0	0.0
-70	0.0	0.0
-80	0.0	0.0
-90	0.0	0.0

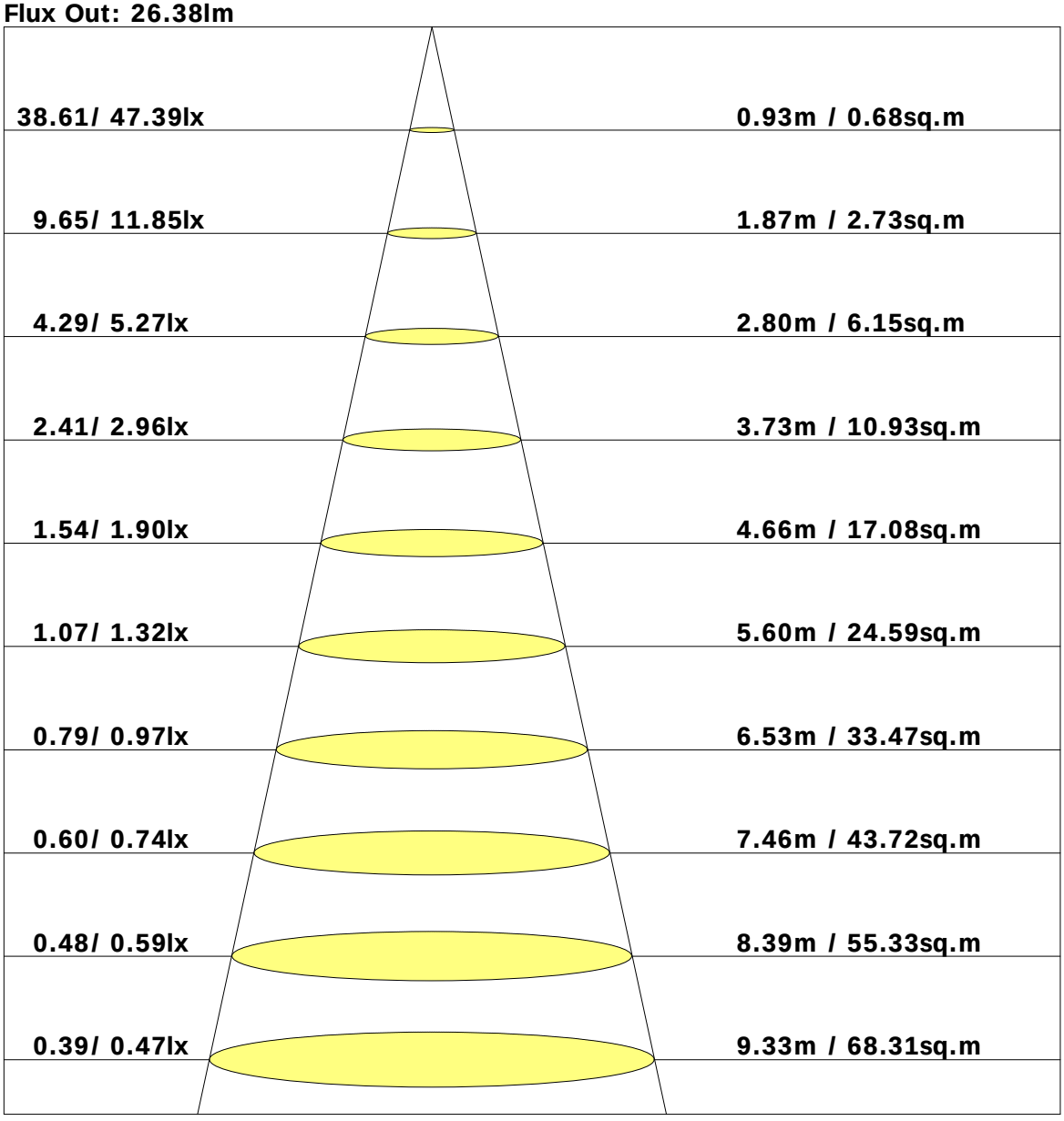
Horizontal plane	Flux(E)	Flux(T)	Flux(T)	Flux(E)
-90	0.7	0.8	0.0	0.0
-80	2.3	2.4	0.0	0.0
-70	4.6	4.7	0.0	0.0
-60	7.4	7.6	0.0	0.0
-50	10.3	10.4	0.0	0.0
-40	12.7	12.9	0.0	0.0
-30	14.5	14.6	0.0	0.0
-20	15.3	15.4	0.0	0.0
-10	15.0	15.1	0.0	0.0
0	13.7	13.8	0.0	0.0
10	11.5	11.7	0.0	0.0
20	8.8	9.0	0.0	0.0
30	5.9	6.1	0.0	0.0
40	3.3	3.4	0.0	0.0
50	1.3	1.5	0.0	0.0
60	0.2	0.4	0.0	0.0
70	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0
90		130	0.4	0.5
80	0.0	0.0	1.8	2.0
70	0.0	0.0	3.9	4.1
60	0.0	0.0	6.0	6.2
50	0.0	0.0	7.9	9.7
40	0.0	0.0	9.5	11.0
30	0.0	0.0	10.8	12.3
20	0.0	0.0	11.7	12.2
10	0.0	0.0	12.2	11.8
0	0.0	0.0	12.2	11.0
-10	0.0	0.0	11.8	9.7
-20	0.0	0.0	11.0	8.1
-30	0.0	0.0	9.5	6.2
-40	0.0	0.0	7.8	4.1
-50	0.0	0.0	5.9	4.0
-60	0.0	0.0	3.8	1.6
-70	0.0	0.0	1.4	0.0
-80	0.0	0.0		
-90	0.0	0.0		

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:

The Average Illuminance Effective Figure

Flux Out: 26.38lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / Area

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	24.1	25.7	24.5	26.1	26.4	24.8	26.4	25.2	26.7	27.1
3H	25.4	26.9	25.8	27.2	27.6	26.2	27.7	26.6	28.0	28.4
4H	25.8	27.2	26.2	27.5	27.9	26.7	28.0	27.1	28.4	28.8
6H	26.0	27.3	26.4	27.7	28.1	26.9	28.1	27.3	28.5	28.9
8H	26.1	27.2	26.5	27.7	28.1	26.9	28.1	27.3	28.5	28.9
12H	26.1	27.2	26.5	27.6	28.0	26.9	28.0	27.3	28.4	28.9
X=4H Y=2H	24.7	26.0	25.1	26.4	26.8	25.3	26.7	25.7	27.0	27.4
3H	26.1	27.3	26.6	27.7	28.1	27.0	28.1	27.4	28.5	28.9
4H	26.6	27.6	27.1	28.1	28.5	27.5	28.5	27.9	28.9	29.4
6H	26.9	27.8	27.4	28.3	28.7	27.7	28.6	28.2	29.1	29.6
8H	27.0	27.8	27.4	28.3	28.7	27.8	28.6	28.3	29.1	29.6
12H	27.0	27.7	27.5	28.2	28.7	27.8	28.5	28.3	29.0	29.5
X=8H Y=4H	26.8	27.7	27.3	28.1	28.6	27.6	28.5	28.1	28.9	29.4
6H	27.2	27.9	27.7	28.4	28.9	28.0	28.7	28.5	29.2	29.7
8H	27.3	27.9	27.8	28.4	28.9	28.0	28.7	28.6	29.2	29.7
12H	27.3	27.8	27.8	28.3	28.9	28.1	28.6	28.6	29.1	29.7
X=12H Y=4H	26.8	27.6	27.3	28.1	28.6	27.7	28.4	28.2	28.9	29.4
6H	27.2	27.8	27.7	28.3	28.8	28.0	28.6	28.5	29.1	29.7
8H	27.3	27.8	27.8	28.3	28.9	28.1	28.6	28.6	29.1	29.7

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: 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 = 1.25					
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	0.57	0.68	0.75	0.80	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.60	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.55	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.81	0.86	0.89	0.93	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.60	0.66	0.73	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.41	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86

Rating:2W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.98	0.81	0.69	0.60	0.47	0.39	0.33	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.95	0.78	0.66	0.57	0.45	0.41	0.32	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.34	0.30	0.23	0.19
	0.20		0.70	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.92	0.74	0.63	0.54	0.43	0.35	0.30	0.23	0.19
	0.30		0.78	0.66	0.56	0.49	0.40	0.33	0.28	0.22	0.18
	0.20		0.69	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18
0.00	0.00	0.00	0.58	0.49	0.42	0.36	0.29	0.24	0.21	0.16	0.13

Rating:2W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.17	0.18	0.19	0.20	0.21	0.21	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	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	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	0.18	0.19	0.20	0.20	0.20	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

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

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	47.5	0.0	0.0	0.03	0.03
1.0-2.0	47.5	0.1	0.2	0.10	0.14
2.0-3.0	47.4	0.2	0.4	0.17	0.31
3.0-4.0	47.4	0.3	0.7	0.24	0.55
4.0-5.0	47.3	0.4	1.1	0.31	0.86
5.0-6.0	47.2	0.5	1.6	0.38	1.24
6.0-7.0	47.1	0.6	2.2	0.45	1.69
7.0-8.0	47.0	0.7	2.9	0.51	2.20
8.0-9.0	46.9	0.8	3.6	0.58	2.78
9.0-10.0	46.7	0.8	4.5	0.64	3.42
10.0-11.0	46.5	0.9	5.4	0.71	4.13
11.0-12.0	46.3	1.0	6.4	0.77	4.90
12.0-13.0	46.1	1.1	7.5	0.83	5.74
13.0-14.0	45.9	1.2	8.7	0.90	6.64
14.0-15.0	45.6	1.3	10.0	0.96	7.59
15.0-16.0	45.4	1.3	11.3	1.01	8.60
16.0-17.0	45.1	1.4	12.7	1.07	9.68
17.0-18.0	44.8	1.5	14.2	1.13	10.80
18.0-19.0	44.5	1.5	15.7	1.18	11.98
19.0-20.0	44.2	1.6	17.3	1.23	13.22
20.0-21.0	43.9	1.7	19.0	1.28	14.50
21.0-22.0	43.5	1.7	20.8	1.33	15.83
22.0-23.0	43.1	1.8	22.6	1.38	17.21
23.0-24.0	42.7	1.9	24.5	1.42	18.64
24.0-25.0	42.3	1.9	26.4	1.47	20.11
25.0-26.0	41.9	2.0	28.4	1.51	21.62
26.0-27.0	41.5	2.0	30.4	1.55	23.16
27.0-28.0	41.0	2.1	32.5	1.58	24.75
28.0-29.0	40.5	2.1	34.6	1.62	26.36
29.0-30.0	40.1	2.2	36.7	1.65	28.01
30.0-31.0	39.6	2.2	39.0	1.68	29.69
31.0-32.0	39.1	2.2	41.2	1.71	31.40
32.0-33.0	38.6	2.3	43.5	1.73	33.13
33.0-34.0	38.0	2.3	45.8	1.75	34.89
34.0-35.0	37.5	2.3	48.1	1.77	36.66
35.0-36.0	36.9	2.3	50.4	1.79	38.45

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	36.3	2.4	52.8	1.81	40.26
37.0-38.0	35.7	2.4	55.2	1.82	42.08
38.0-39.0	35.1	2.4	57.6	1.83	43.90
39.0-40.0	34.5	2.4	60.0	1.84	45.74
40.0-41.0	33.9	2.4	62.4	1.84	47.58
41.0-42.0	33.3	2.4	64.8	1.84	49.42
42.0-43.0	32.6	2.4	67.2	1.84	51.26
43.0-44.0	31.9	2.4	69.7	1.84	53.10
44.0-45.0	31.3	2.4	72.1	1.83	54.93
45.0-46.0	30.6	2.4	74.5	1.82	56.76
46.0-47.0	29.9	2.4	76.8	1.81	58.57
47.0-48.0	29.2	2.4	79.2	1.80	60.37
48.0-49.0	28.5	2.3	81.5	1.78	62.15
49.0-50.0	27.7	2.3	83.8	1.76	63.91
50.0-51.0	27.0	2.3	86.1	1.74	65.65
51.0-52.0	26.2	2.3	88.4	1.72	67.37
52.0-53.0	25.5	2.2	90.6	1.69	69.06
53.0-54.0	24.7	2.2	92.8	1.66	70.72
54.0-55.0	23.9	2.1	94.9	1.63	72.35
55.0-56.0	23.2	2.1	97.0	1.60	73.94
56.0-57.0	22.4	2.0	99.0	1.56	75.50
57.0-58.0	21.6	2.0	101.0	1.52	77.02
58.0-59.0	20.8	1.9	103.0	1.48	78.50
59.0-60.0	19.9	1.9	104.9	1.44	79.94
60.0-61.0	19.1	1.8	106.7	1.39	81.33
61.0-62.0	18.3	1.8	108.5	1.34	82.68
62.0-63.0	17.5	1.7	110.2	1.30	83.97
63.0-64.0	16.7	1.6	111.8	1.25	85.22
64.0-65.0	15.8	1.6	113.4	1.20	86.42
65.0-66.0	15.0	1.5	114.9	1.14	87.56
66.0-67.0	14.2	1.4	116.3	1.09	88.64
67.0-68.0	13.4	1.4	117.6	1.03	89.67
68.0-69.0	12.5	1.3	118.9	0.97	90.65
69.0-70.0	11.7	1.2	120.1	0.92	91.56
70.0-71.0	10.9	1.1	121.2	0.86	92.42
71.0-72.0	10.1	1.1	122.3	0.80	93.23

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	9.3	1.0	123.3	0.75	93.97
73.0-74.0	8.6	0.9	124.2	0.69	94.66
74.0-75.0	7.8	0.8	125.0	0.63	95.29
75.0-76.0	7.1	0.8	125.7	0.57	95.86
76.0-77.0	6.4	0.7	126.4	0.52	96.38
77.0-78.0	5.7	0.6	127.0	0.46	96.84
78.0-79.0	5.0	0.5	127.6	0.41	97.25
79.0-80.0	4.4	0.5	128.0	0.36	97.61
80.0-81.0	3.8	0.4	128.4	0.31	97.92
81.0-82.0	3.2	0.3	128.8	0.26	98.18
82.0-83.0	2.6	0.3	129.1	0.22	98.40
83.0-84.0	2.2	0.2	129.3	0.18	98.58
84.0-85.0	1.7	0.2	129.5	0.14	98.72
85.0-86.0	1.3	0.1	129.6	0.11	98.83
86.0-87.0	0.9	0.1	129.7	0.08	98.90
87.0-88.0	0.6	0.1	129.8	0.05	98.95
88.0-89.0	0.4	0.0	129.8	0.03	98.99
89.0-90.0	0.2	0.0	129.9	0.02	99.00
90.0-91.0	0.2	0.0	129.9	0.01	99.02
91.0-92.0	0.1	0.0	129.9	0.01	99.03
92.0-93.0	0.1	0.0	129.9	0.01	99.04
93.0-94.0	0.1	0.0	129.9	0.01	99.04
94.0-95.0	0.1	0.0	129.9	0.01	99.05
95.0-96.0	0.1	0.0	129.9	0.01	99.06
96.0-97.0	0.1	0.0	130.0	0.01	99.06
97.0-98.0	0.1	0.0	130.0	0.01	99.07
98.0-99.0	0.1	0.0	130.0	0.01	99.08
99.0-100.0	0.1	0.0	130.0	0.01	99.08
100.0-101.0	0.1	0.0	130.0	0.01	99.09
101.0-102.0	0.1	0.0	130.0	0.01	99.10
102.0-103.0	0.1	0.0	130.0	0.01	99.11
103.0-104.0	0.1	0.0	130.0	0.01	99.12
104.0-105.0	0.1	0.0	130.0	0.01	99.13
105.0-106.0	0.1	0.0	130.0	0.01	99.13
106.0-107.0	0.1	0.0	130.1	0.01	99.14
107.0-108.0	0.1	0.0	130.1	0.01	99.15

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.1	0.0	130.1	0.01	99.16
109.0-110.0	0.1	0.0	130.1	0.01	99.17
110.0-111.0	0.1	0.0	130.1	0.01	99.18
111.0-112.0	0.1	0.0	130.1	0.01	99.20
112.0-113.0	0.1	0.0	130.1	0.01	99.21
113.0-114.0	0.2	0.0	130.2	0.01	99.22
114.0-115.0	0.2	0.0	130.2	0.01	99.23
115.0-116.0	0.2	0.0	130.2	0.01	99.24
116.0-117.0	0.2	0.0	130.2	0.01	99.26
117.0-118.0	0.2	0.0	130.2	0.01	99.27
118.0-119.0	0.2	0.0	130.2	0.01	99.28
119.0-120.0	0.2	0.0	130.3	0.01	99.30
120.0-121.0	0.2	0.0	130.3	0.01	99.31
121.0-122.0	0.2	0.0	130.3	0.01	99.33
122.0-123.0	0.2	0.0	130.3	0.01	99.34
123.0-124.0	0.2	0.0	130.3	0.02	99.36
124.0-125.0	0.2	0.0	130.4	0.02	99.37
125.0-126.0	0.2	0.0	130.4	0.02	99.39
126.0-127.0	0.2	0.0	130.4	0.02	99.40
127.0-128.0	0.2	0.0	130.4	0.02	99.42
128.0-129.0	0.2	0.0	130.4	0.02	99.43
129.0-130.0	0.2	0.0	130.5	0.02	99.45
130.0-131.0	0.2	0.0	130.5	0.02	99.46
131.0-132.0	0.3	0.0	130.5	0.02	99.48
132.0-133.0	0.3	0.0	130.5	0.02	99.50
133.0-134.0	0.3	0.0	130.5	0.02	99.51
134.0-135.0	0.3	0.0	130.6	0.02	99.53
135.0-136.0	0.3	0.0	130.6	0.02	99.54
136.0-137.0	0.3	0.0	130.6	0.02	99.56
137.0-138.0	0.3	0.0	130.6	0.02	99.58
138.0-139.0	0.3	0.0	130.6	0.02	99.59
139.0-140.0	0.3	0.0	130.7	0.02	99.61
140.0-141.0	0.3	0.0	130.7	0.02	99.62
141.0-142.0	0.3	0.0	130.7	0.02	99.64
142.0-143.0	0.3	0.0	130.7	0.02	99.66
143.0-144.0	0.3	0.0	130.7	0.02	99.67

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.3	0.0	130.8	0.02	99.69
145.0-146.0	0.3	0.0	130.8	0.01	99.70
146.0-147.0	0.3	0.0	130.8	0.01	99.72
147.0-148.0	0.3	0.0	130.8	0.01	99.73
148.0-149.0	0.3	0.0	130.8	0.02	99.75
149.0-150.0	0.4	0.0	130.9	0.01	99.76
150.0-151.0	0.3	0.0	130.9	0.01	99.78
151.0-152.0	0.3	0.0	130.9	0.01	99.79
152.0-153.0	0.4	0.0	130.9	0.01	99.80
153.0-154.0	0.4	0.0	130.9	0.01	99.82
154.0-155.0	0.4	0.0	131.0	0.01	99.83
155.0-156.0	0.4	0.0	131.0	0.01	99.84
156.0-157.0	0.3	0.0	131.0	0.01	99.85
157.0-158.0	0.4	0.0	131.0	0.01	99.86
158.0-159.0	0.4	0.0	131.0	0.01	99.88
159.0-160.0	0.4	0.0	131.0	0.01	99.89
160.0-161.0	0.4	0.0	131.0	0.01	99.90
161.0-162.0	0.4	0.0	131.1	0.01	99.91
162.0-163.0	0.4	0.0	131.1	0.01	99.92
163.0-164.0	0.4	0.0	131.1	0.01	99.93
164.0-165.0	0.4	0.0	131.1	0.01	99.93
165.0-166.0	0.4	0.0	131.1	0.01	99.94
166.0-167.0	0.4	0.0	131.1	0.01	99.95
167.0-168.0	0.4	0.0	131.1	0.01	99.96
168.0-169.0	0.4	0.0	131.1	0.01	99.96
169.0-170.0	0.4	0.0	131.1	0.01	99.97
170.0-171.0	0.4	0.0	131.1	0.01	99.98
171.0-172.0	0.4	0.0	131.2	0.01	99.98
172.0-173.0	0.4	0.0	131.2	0.00	99.99
173.0-174.0	0.4	0.0	131.2	0.00	99.99
174.0-175.0	0.4	0.0	131.2	0.00	99.99
175.0-176.0	0.4	0.0	131.2	0.00	100.00
176.0-177.0	0.4	0.0	131.2	0.00	100.00
177.0-178.0	0.4	0.0	131.2	0.00	100.00
178.0-179.0	0.4	0.0	131.2	0.00	100.00
179.0-180.0	0.4	0.0	131.2	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: