

Report No.:

Test Time: 2023/8/31 09:33

## Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAC2C90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 16

Luminous Height (mm): 16

Voltage: 24.0 V

Current: 0.204 A

Power: 4.92 W

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Total Rated Lamp Lumens: 492.1 lm

Measurement Flux: 492.1 lm

Efficiency: 100%

Downward Ratio: 89%

Upward Ratio: 11%

Horizontal Diffuse Angle(10%,50%): H149.7,H107.1

Vertical Diffuse Angle(10%,50%): V144.7,V118.7

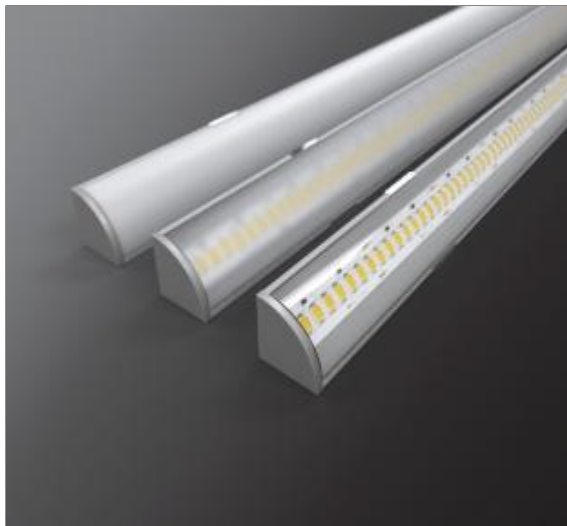
Luminaire Efficacy Rating (LER): 100

Central Intensity: 128.04 cd

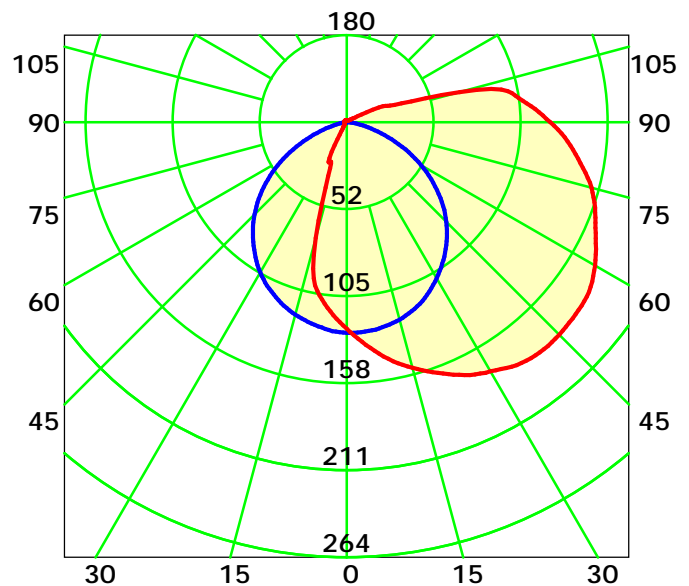
Max. Intensity: 182.84 cd

Pos of Max. Intensity: H90 V42

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 112.9° 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

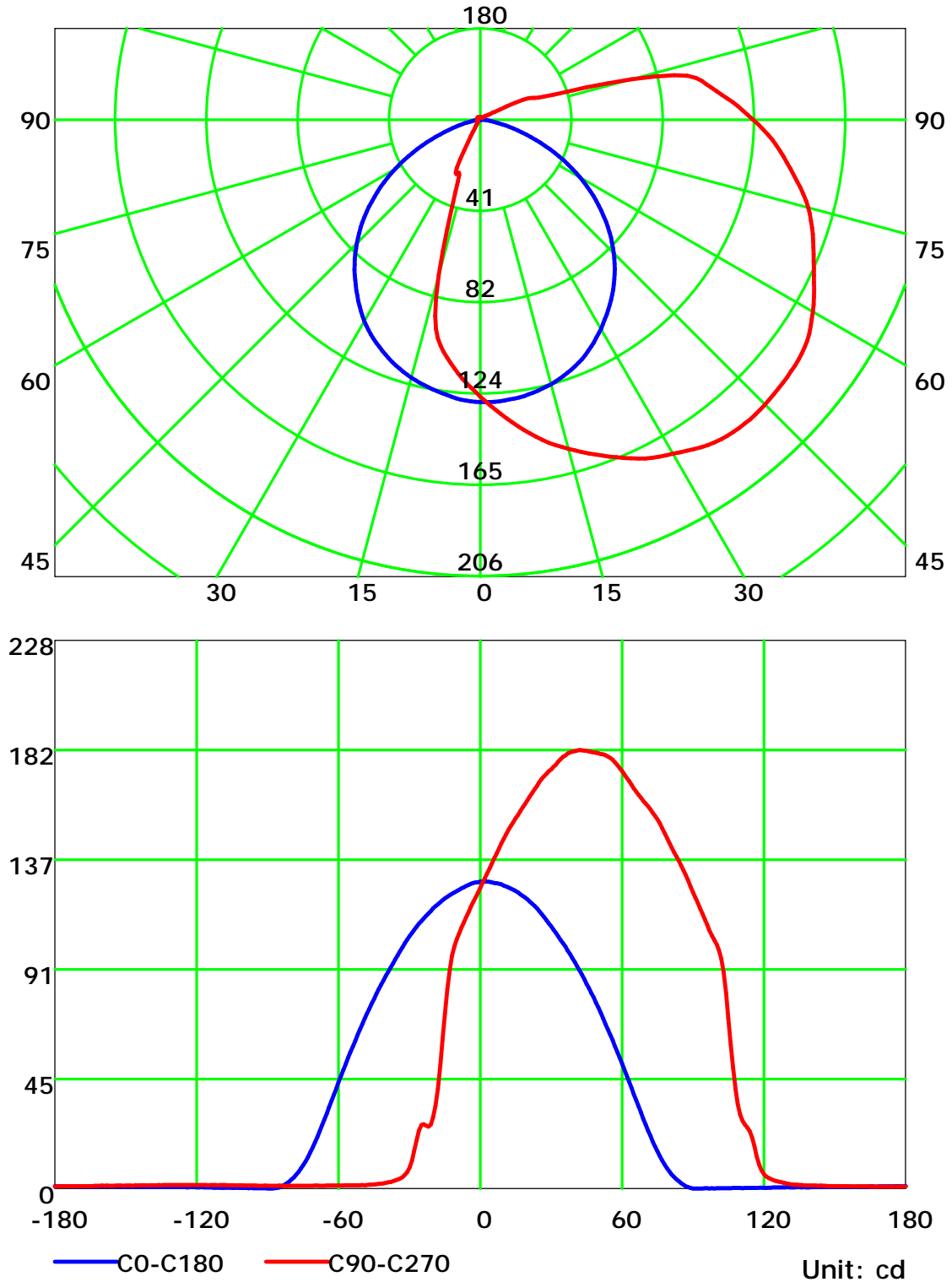
Distance: 9.028 m

Humidity: 60%

Inspector:



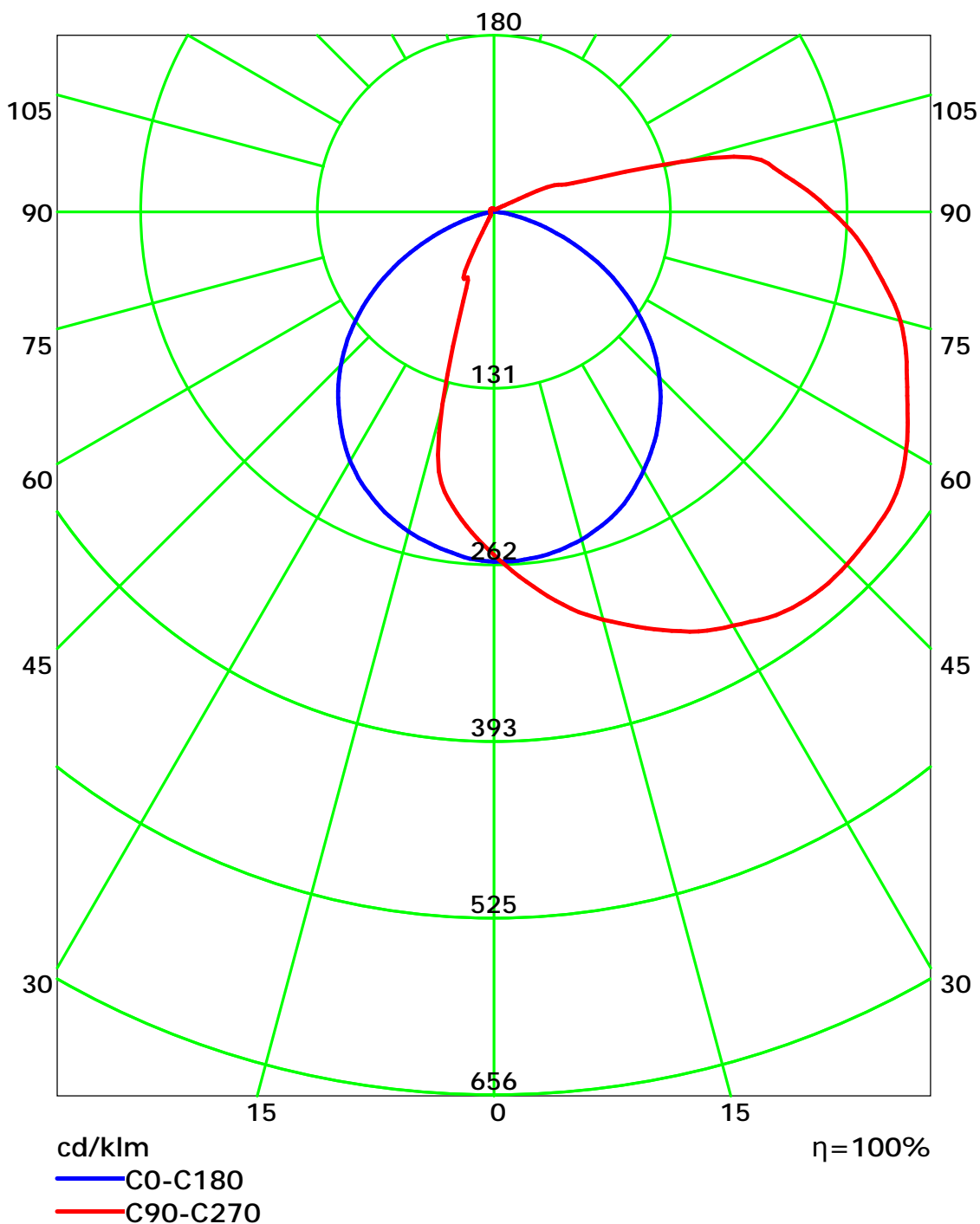
## Luminous Intensity Distribution Curve



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:

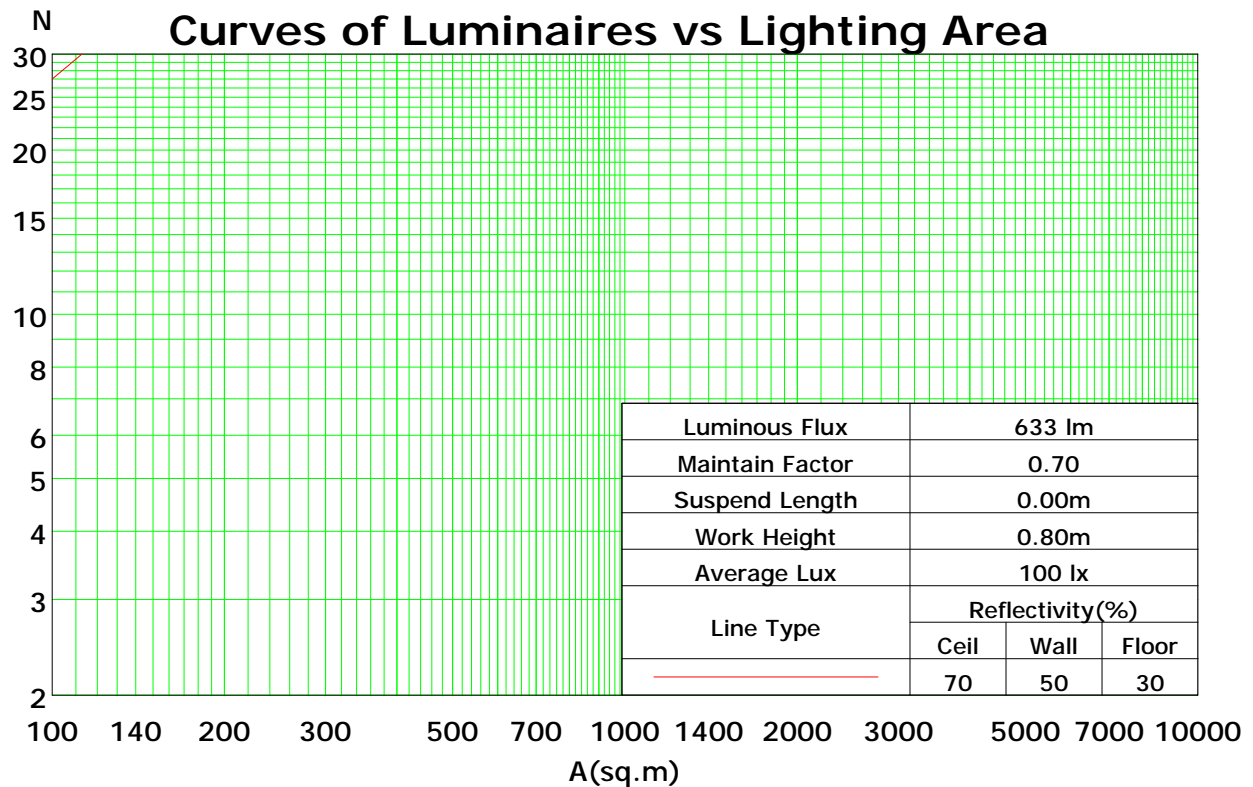
## Coefficients Of Utilization - Zonal Cavity Method

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	102	96	91	86	98	93	88	83	86	82	78	80	77	74	75	72	70	67
2	92	82	74	67	88	79	72	65	74	67	62	68	63	59	64	60	56	53
3	83	71	62	54	79	68	60	53	64	57	51	59	53	48	55	50	46	43
4	76	62	53	45	72	60	51	44	56	48	42	52	46	41	49	43	39	36
5	69	55	46	38	66	54	44	38	50	42	36	47	40	35	44	38	33	31
6	64	50	40	33	61	48	39	33	45	37	31	42	35	30	40	34	29	27
7	59	45	36	29	57	43	35	29	41	33	28	38	32	27	36	30	26	23
8	55	41	32	26	53	40	31	25	37	30	25	35	29	24	33	27	23	21
9	51	37	29	23	49	36	28	23	34	27	22	32	26	21	31	25	21	19
10	48	34	26	21	46	34	26	21	32	25	20	30	24	19	28	23	19	17

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.10

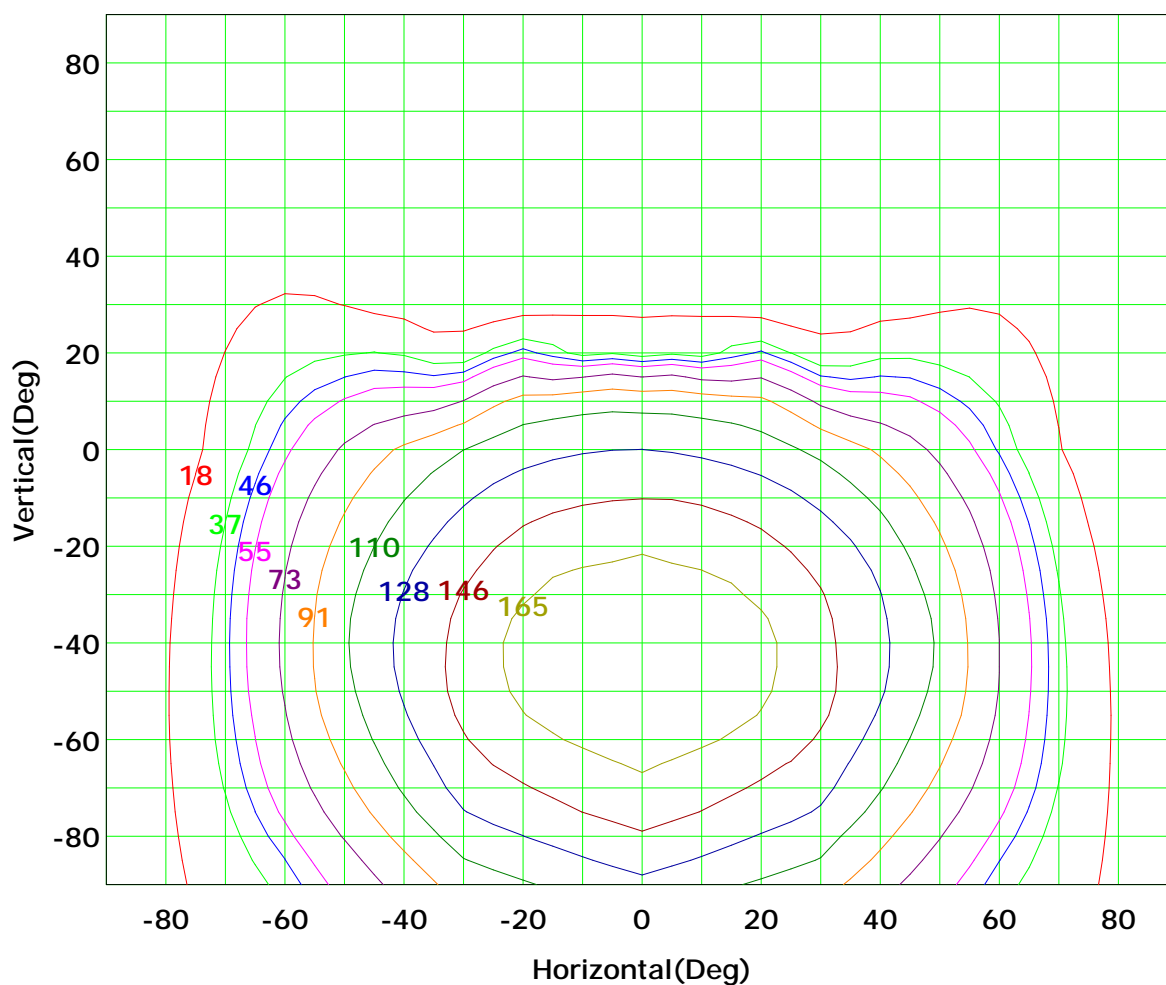
Spacing Criteria (Diagonal): 1.31



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)



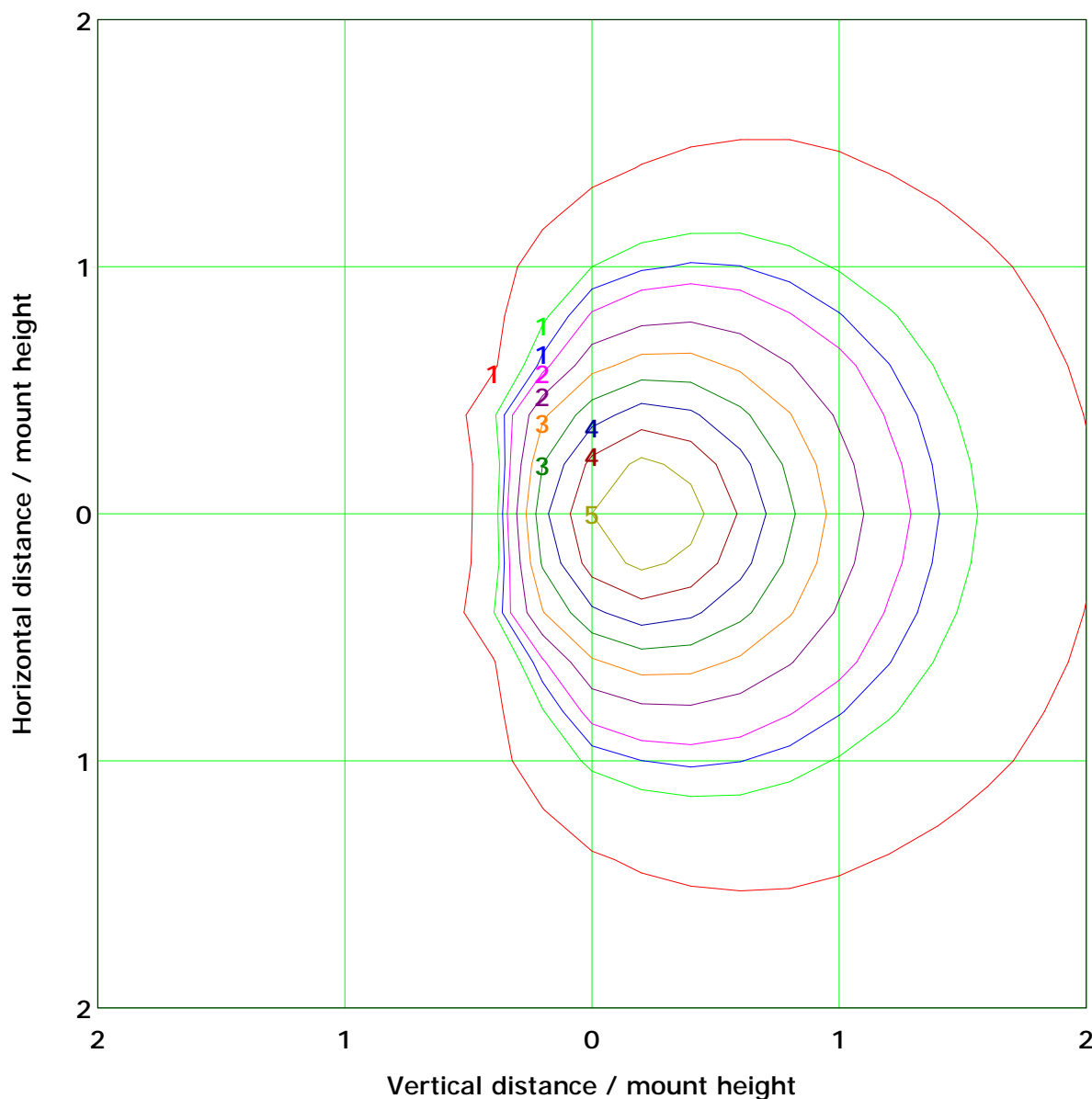
I<sub>max</sub> (100%): 183 cd

( 10%): 18 cd	( 20%): 37 cd
( 25%): 46 cd	( 30%): 55 cd
( 40%): 73 cd	( 50%): 91 cd
( 60%): 110 cd	( 70%): 128 cd
( 80%): 146 cd	( 90%): 165 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%): 5.6 lx	
( 10%): 0.6 lx	( 20%): 1.1 lx
( 25%): 1.4 lx	( 30%): 1.7 lx
( 40%): 2.2 lx	( 50%): 2.8 lx
( 60%): 3.4 lx	( 70%): 3.9 lx
( 80%): 4.5 lx	( 90%): 5.0 lx

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

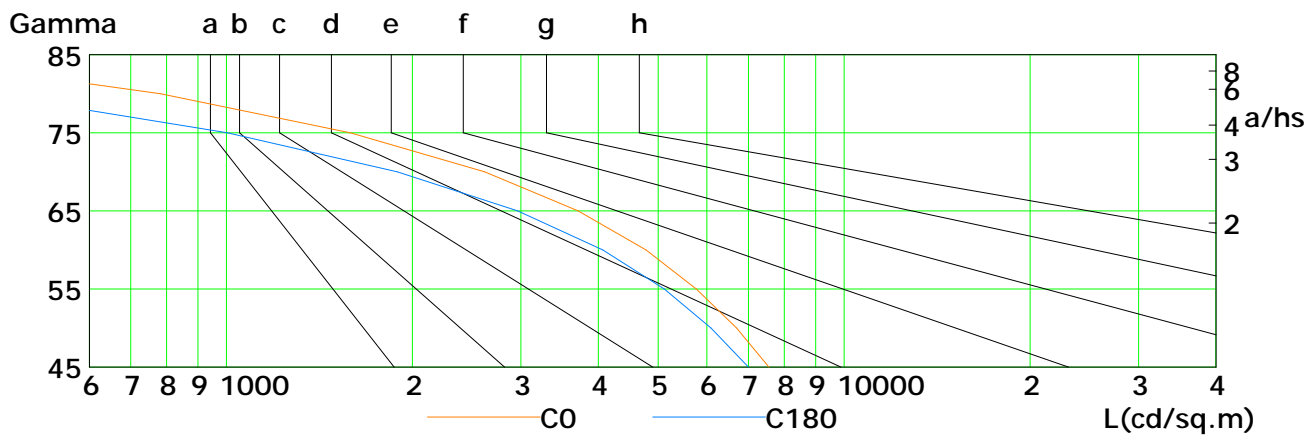
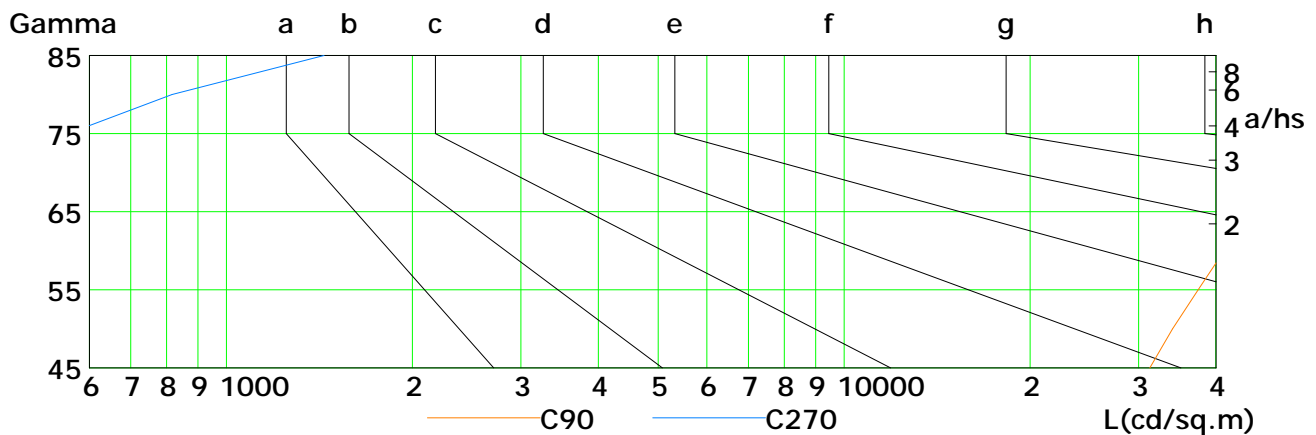
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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



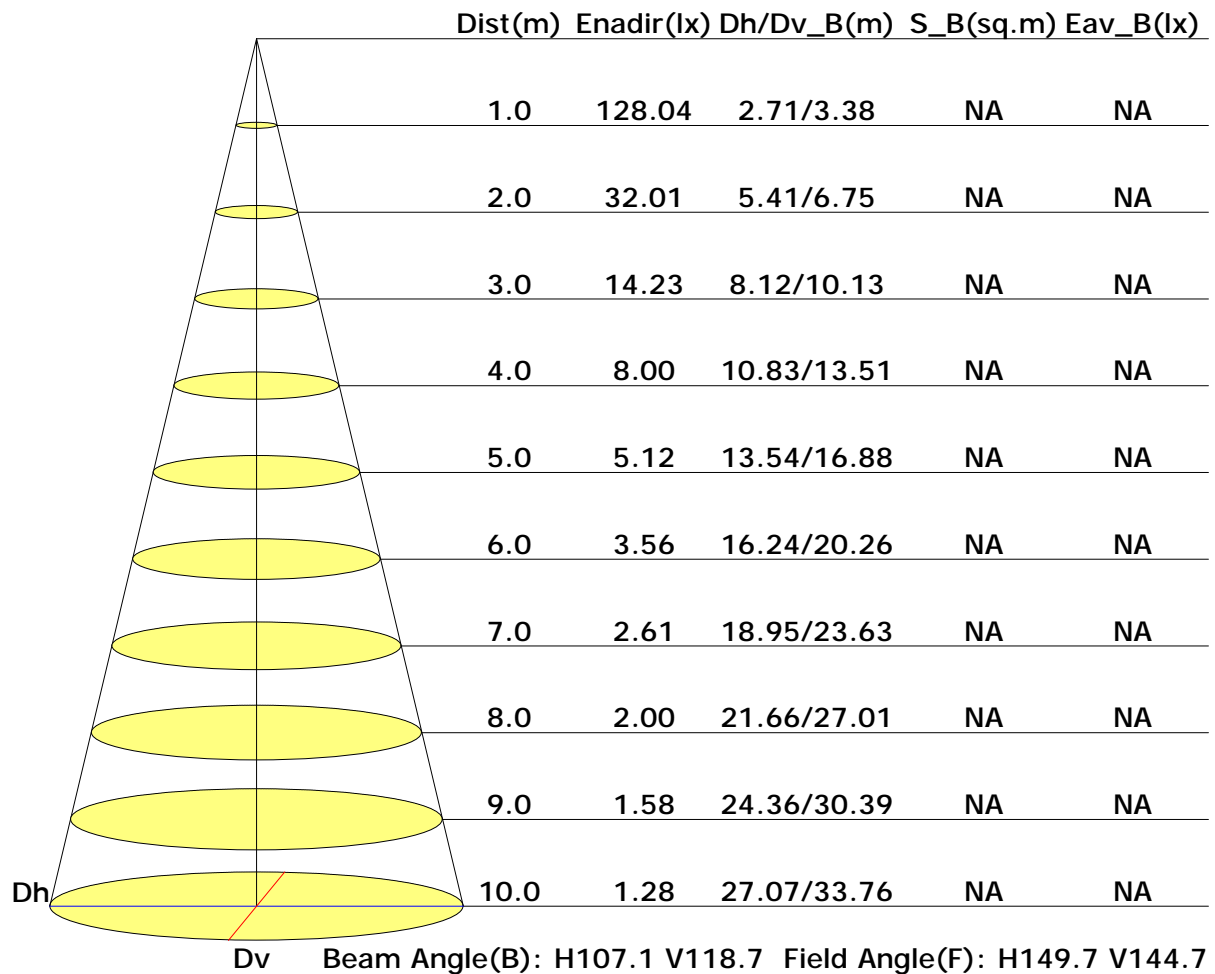
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7563	6704	5766	4779	3714	2621	1587	782	278
C90	31272	34014	37432	41244	46200	53959	66407	87870	141535
C180	7000	6091	5115	4071	2963	1891	1004	414	75
C270	322	298	313	339	387	460	552	816	1439

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:



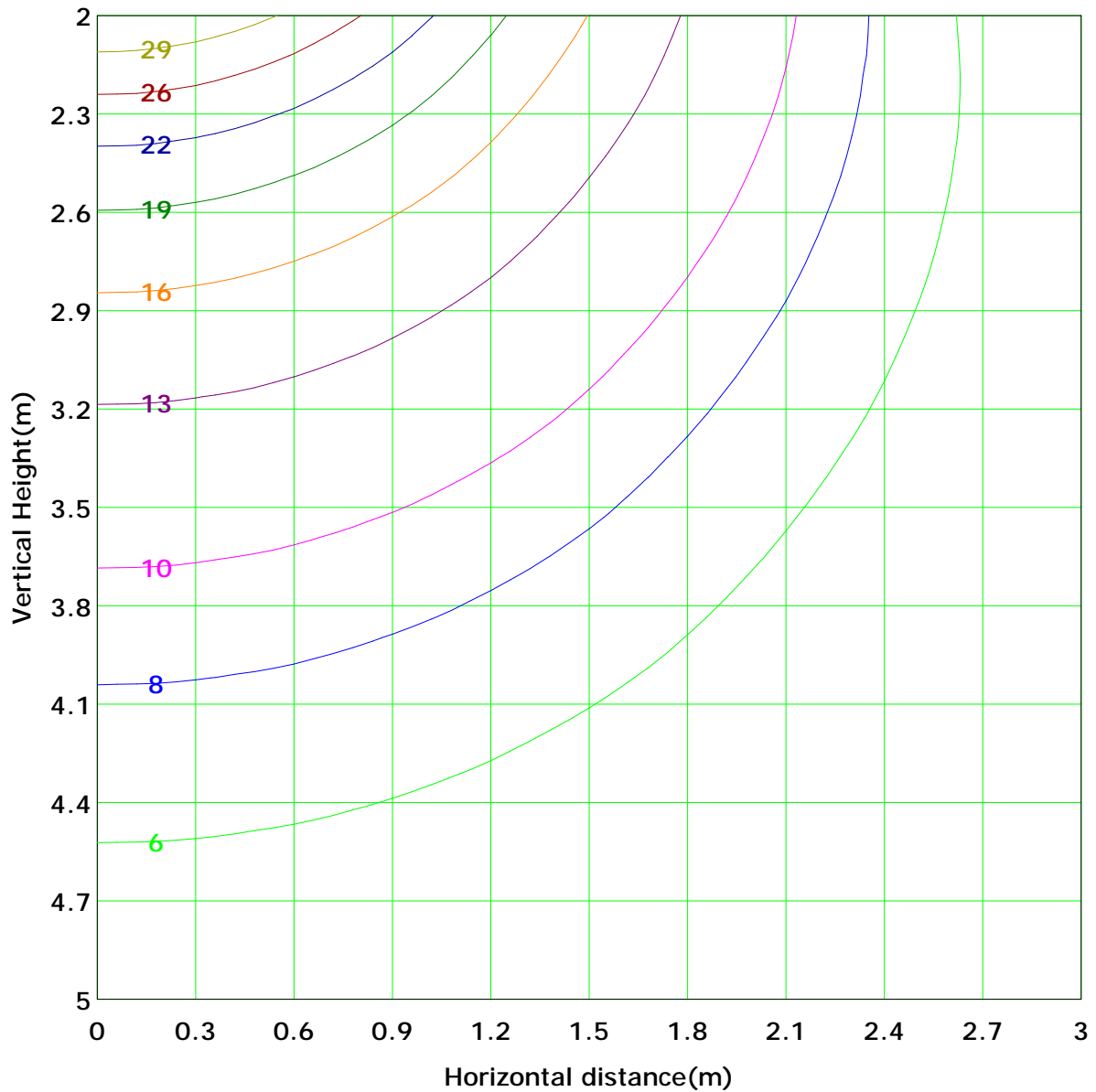
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 32.0 lx
( 10%): 3.2 lx	( 20%): 6.4 lx	
( 25%): 8.0 lx	( 30%): 9.6 lx	
( 40%): 12.8 lx	( 50%): 16.0 lx	
( 60%): 19.2 lx	( 70%): 22.4 lx	
( 80%): 25.6 lx	( 90%): 28.8 lx	

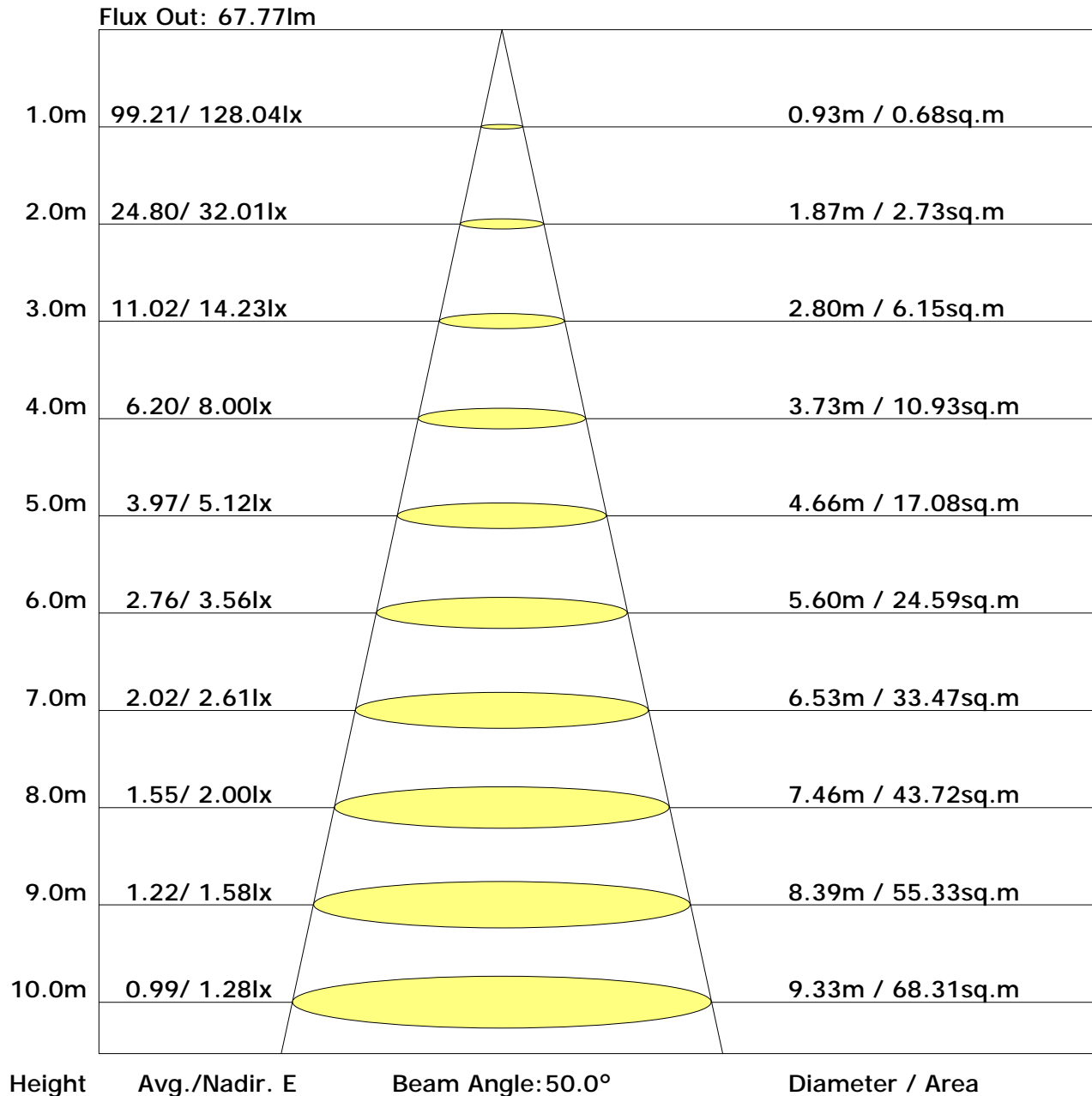
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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	21.6	23.2	22.2	23.7	24.3	26.1	27.7	26.7	28.2	28.8
3H	23.3	24.7	23.8	25.2	25.8	28.7	30.1	29.2	30.6	31.3
4H	23.8	25.1	24.3	25.7	26.3	29.9	31.3	30.5	31.8	32.5
6H	24.1	25.3	24.7	25.9	26.5	31.1	32.4	31.7	33.0	33.6
8H	24.2	25.4	24.7	25.9	26.6	31.7	32.9	32.3	33.5	34.1
12H	24.2	25.3	24.8	25.9	26.6	32.2	33.4	32.8	34.0	34.7
X=4H Y=2H	22.8	24.1	23.3	24.7	25.3	26.7	28.1	27.3	28.6	29.2
3H	24.8	25.9	25.4	26.5	27.2	29.6	30.7	30.2	31.3	32.0
4H	25.5	26.6	26.1	27.2	27.9	31.0	32.1	31.6	32.7	33.4
6H	26.0	27.0	26.6	27.6	28.3	32.4	33.4	33.0	34.0	34.7
8H	26.2	27.1	26.8	27.7	28.4	33.1	34.0	33.7	34.6	35.3
12H	26.3	27.1	26.9	27.8	28.5	33.7	34.5	34.3	35.2	35.9
X=8H Y=4H	26.5	27.4	27.1	28.0	28.7	31.4	32.3	32.0	32.9	33.6
6H	27.3	28.0	27.9	28.7	29.4	33.0	33.8	33.6	34.4	35.1
8H	27.6	28.3	28.3	29.0	29.7	33.8	34.5	34.5	35.2	35.9
12H	27.9	28.5	28.5	29.1	29.9	34.6	35.3	35.3	35.9	36.7
X=12H Y=4H	26.7	27.5	27.3	28.2	28.9	31.4	32.2	32.0	32.9	33.6
6H	27.7	28.4	28.3	29.0	29.8	33.1	33.8	33.8	34.4	35.2
8H	28.1	28.7	28.8	29.4	30.2	34.0	34.6	34.6	35.3	36.1

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: 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	0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.94	
	0.30		0.39	0.48	0.55	0.61	0.69	0.74	0.79	0.85	0.89	
	0.20		0.33	0.42	0.49	0.54	0.62	0.69	0.73	0.80	0.85	
0.50	0.50	0.20	0.45	0.53	0.60	0.64	0.71	0.76	0.79	0.84	0.87	
	0.30		0.37	0.46	0.52	0.57	0.65	0.70	0.74	0.80	0.83	
	0.20		0.32	0.40	0.47	0.52	0.59	0.65	0.69	0.76	0.80	
0.30	0.50	0.20	0.42	0.50	0.56	0.60	0.67	0.71	0.74	0.79	0.82	
	0.30		0.36	0.44	0.50	0.54	0.61	0.66	0.70	0.75	0.78	
	0.20		0.31	0.39	0.45	0.50	0.57	0.62	0.66	0.72	0.75	
0.00	0.00	0.00	0.28	0.35	0.40	0.45	0.51	0.56	0.60	0.65	0.68	
Rating:5W 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 = 1.25								
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	1.07	0.92	0.80	0.72	0.59	0.51	0.44	0.36	0.30
	0.30		0.90	0.78	0.70	0.63	0.54	0.46	0.41	0.34	0.29
	0.20		0.77	0.69	0.62	0.57	0.49	0.43	0.38	0.32	0.27
0.50	0.50	0.20	1.01	0.86	0.76	0.67	0.56	0.50	0.42	0.34	0.28
	0.30		0.86	0.75	0.67	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.74	0.66	0.60	0.55	0.47	0.41	0.37	0.30	0.26
0.30	0.50	0.20	0.96	0.81	0.71	0.64	0.53	0.45	0.39	0.32	0.27
	0.30		0.82	0.72	0.64	0.58	0.49	0.42	0.37	0.30	0.26
	0.20		0.72	0.64	0.58	0.53	0.45	0.39	0.35	0.29	0.25
0.00	0.00	0.00	0.61	0.54	0.48	0.44	0.38	0.33	0.29	0.24	0.21
Rating:5W 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 = 1.25									
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	0.28	0.29	0.30	0.31	0.32	0.32	0.33	0.33	0.33	
	0.30		0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.29	0.30	
	0.20		0.15	0.17	0.18	0.19	0.21	0.22	0.24	0.25	0.26	
0.50	0.50	0.20	0.27	0.28	0.29	0.30	0.31	0.31	0.31	0.32	0.32	
	0.30		0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	
	0.20		0.15	0.17	0.18	0.19	0.20	0.22	0.23	0.24	0.26	
0.30	0.50	0.20	0.26	0.27	0.28	0.29	0.29	0.30	0.30	0.30	0.31	
	0.30		0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	
	0.20		0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.24	0.25	
0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	
Rating:5W 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	126.6	0.1	0.1	0.02	0.02
1.0-2.0	126.5	0.4	0.5	0.07	0.10
2.0-3.0	126.5	0.6	1.1	0.12	0.22
3.0-4.0	126.5	0.8	1.9	0.17	0.39
4.0-5.0	126.4	1.1	3.0	0.22	0.61
5.0-6.0	126.3	1.3	4.4	0.27	0.88
6.0-7.0	126.1	1.6	5.9	0.32	1.20
7.0-8.0	125.9	1.8	7.7	0.37	1.57
8.0-9.0	125.7	2.0	9.8	0.41	1.98
9.0-10.0	125.3	2.3	12.0	0.46	2.44
10.0-11.0	125.0	2.5	14.5	0.51	2.95
11.0-12.0	124.5	2.7	17.2	0.55	3.50
12.0-13.0	123.8	2.9	20.2	0.60	4.10
13.0-14.0	122.8	3.1	23.3	0.64	4.74
14.0-15.0	121.3	3.3	26.7	0.68	5.42
15.0-16.0	119.5	3.5	30.2	0.71	6.13
16.0-17.0	117.3	3.7	33.8	0.74	6.87
17.0-18.0	114.9	3.8	37.6	0.77	7.64
18.0-19.0	112.5	3.9	41.5	0.80	8.44
19.0-20.0	110.3	4.0	45.6	0.82	9.26
20.0-21.0	108.5	4.2	49.7	0.85	10.10
21.0-22.0	106.9	4.3	54.0	0.87	10.98
22.0-23.0	105.8	4.4	58.5	0.90	11.88
23.0-24.0	104.8	4.6	63.0	0.93	12.81
24.0-25.0	104.0	4.7	67.8	0.96	13.77
25.0-26.0	103.2	4.9	72.6	0.99	14.76
26.0-27.0	102.1	5.0	77.6	1.02	15.78
27.0-28.0	100.9	5.1	82.7	1.04	16.81
28.0-29.0	99.4	5.2	87.9	1.06	17.87
29.0-30.0	97.6	5.3	93.2	1.07	18.94
30.0-31.0	95.8	5.3	98.5	1.08	20.02
31.0-32.0	93.9	5.4	103.9	1.09	21.12
32.0-33.0	92.2	5.4	109.4	1.10	22.22
33.0-34.0	90.6	5.5	114.8	1.11	23.34
34.0-35.0	89.3	5.5	120.4	1.13	24.46
35.0-36.0	88.3	5.6	126.0	1.14	25.61

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	87.4	5.7	131.7	1.16	26.77
37.0-38.0	86.7	5.8	137.5	1.18	27.94
38.0-39.0	86.0	5.9	143.4	1.19	29.13
39.0-40.0	85.5	6.0	149.3	1.21	30.35
40.0-41.0	84.9	6.0	155.4	1.23	31.57
41.0-42.0	84.4	6.1	161.5	1.25	32.82
42.0-43.0	83.8	6.2	167.7	1.26	34.08
43.0-44.0	83.2	6.3	174.0	1.28	35.36
44.0-45.0	82.6	6.3	180.4	1.29	36.65
45.0-46.0	81.9	6.4	186.8	1.30	37.95
46.0-47.0	81.0	6.4	193.2	1.31	39.26
47.0-48.0	80.1	6.5	199.7	1.32	40.58
48.0-49.0	79.2	6.5	206.2	1.32	41.90
49.0-50.0	78.3	6.5	212.7	1.33	43.23
50.0-51.0	77.4	6.5	219.3	1.33	44.56
51.0-52.0	76.4	6.6	225.8	1.33	45.89
52.0-53.0	75.5	6.6	232.4	1.34	47.22
53.0-54.0	74.6	6.6	239.0	1.34	48.56
54.0-55.0	73.8	6.6	245.6	1.34	49.90
55.0-56.0	72.9	6.6	252.2	1.34	51.24
56.0-57.0	71.9	6.6	258.7	1.34	52.57
57.0-58.0	71.0	6.6	265.3	1.33	53.91
58.0-59.0	69.9	6.5	271.8	1.33	55.24
59.0-60.0	68.9	6.5	278.3	1.32	56.56
60.0-61.0	67.8	6.5	284.8	1.31	57.87
61.0-62.0	66.6	6.4	291.2	1.30	59.18
62.0-63.0	65.4	6.4	297.6	1.29	60.47
63.0-64.0	64.1	6.3	303.9	1.28	61.75
64.0-65.0	62.9	6.2	310.1	1.26	63.01
65.0-66.0	61.7	6.2	316.3	1.25	64.26
66.0-67.0	60.4	6.1	322.3	1.24	65.50
67.0-68.0	59.2	6.0	328.3	1.22	66.72
68.0-69.0	58.0	5.9	334.3	1.20	67.92
69.0-70.0	56.8	5.8	340.1	1.19	69.11
70.0-71.0	55.7	5.8	345.8	1.17	70.27
71.0-72.0	54.5	5.7	351.5	1.15	71.43

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 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	53.4	5.6	357.1	1.13	72.56
73.0-74.0	52.2	5.5	362.6	1.12	73.68
74.0-75.0	51.0	5.4	368.0	1.10	74.77
75.0-76.0	49.8	5.3	373.3	1.08	75.85
76.0-77.0	48.6	5.2	378.5	1.05	76.90
77.0-78.0	47.5	5.1	383.5	1.03	77.93
78.0-79.0	46.3	5.0	388.5	1.01	78.94
79.0-80.0	45.1	4.9	393.4	0.99	79.93
80.0-81.0	43.9	4.7	398.1	0.96	80.90
81.0-82.0	42.8	4.6	402.8	0.94	81.84
82.0-83.0	41.7	4.5	407.3	0.92	82.76
83.0-84.0	40.6	4.4	411.7	0.90	83.66
84.0-85.0	39.5	4.3	416.0	0.88	84.53
85.0-86.0	38.4	4.2	420.2	0.85	85.39
86.0-87.0	37.4	4.1	424.3	0.83	86.22
87.0-88.0	36.4	4.0	428.3	0.81	87.03
88.0-89.0	35.5	3.9	432.2	0.79	87.82
89.0-90.0	34.5	3.8	436.0	0.77	88.59
90.0-91.0	33.6	3.7	439.7	0.75	89.34
91.0-92.0	32.8	3.6	443.3	0.73	90.07
92.0-93.0	31.9	3.5	446.7	0.71	90.78
93.0-94.0	31.0	3.4	450.1	0.69	91.47
94.0-95.0	30.0	3.3	453.4	0.67	92.13
95.0-96.0	28.9	3.2	456.6	0.64	92.77
96.0-97.0	27.8	3.0	459.6	0.62	93.39
97.0-98.0	26.8	2.9	462.5	0.59	93.98
98.0-99.0	25.7	2.8	465.3	0.57	94.55
99.0-100.0	24.6	2.7	468.0	0.54	95.09
100.0-101.0	23.3	2.5	470.5	0.51	95.60
101.0-102.0	21.7	2.3	472.8	0.47	96.07
102.0-103.0	19.8	2.1	474.9	0.43	96.50
103.0-104.0	17.6	1.9	476.8	0.38	96.88
104.0-105.0	15.2	1.6	478.4	0.33	97.21
105.0-106.0	13.0	1.4	479.8	0.28	97.49
106.0-107.0	11.1	1.2	480.9	0.24	97.73
107.0-108.0	9.5	1.0	481.9	0.20	97.93

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	8.3	0.9	482.8	0.18	98.10
109.0-110.0	7.5	0.8	483.6	0.16	98.26
110.0-111.0	6.9	0.7	484.3	0.14	98.41
111.0-112.0	6.5	0.7	484.9	0.13	98.54
112.0-113.0	6.0	0.6	485.6	0.12	98.66
113.0-114.0	5.5	0.5	486.1	0.11	98.78
114.0-115.0	4.8	0.5	486.6	0.10	98.87
115.0-116.0	4.1	0.4	487.0	0.08	98.95
116.0-117.0	3.4	0.3	487.3	0.07	99.02
117.0-118.0	2.9	0.3	487.6	0.06	99.08
118.0-119.0	2.5	0.2	487.8	0.05	99.13
119.0-120.0	2.2	0.2	488.0	0.04	99.17
120.0-121.0	2.0	0.2	488.2	0.04	99.21
121.0-122.0	1.9	0.2	488.4	0.04	99.24
122.0-123.0	1.8	0.2	488.6	0.03	99.28
123.0-124.0	1.7	0.2	488.7	0.03	99.31
124.0-125.0	1.6	0.1	488.9	0.03	99.34
125.0-126.0	1.6	0.1	489.0	0.03	99.36
126.0-127.0	1.5	0.1	489.1	0.03	99.39
127.0-128.0	1.5	0.1	489.3	0.03	99.42
128.0-129.0	1.4	0.1	489.4	0.02	99.44
129.0-130.0	1.4	0.1	489.5	0.02	99.47
130.0-131.0	1.3	0.1	489.6	0.02	99.49
131.0-132.0	1.3	0.1	489.7	0.02	99.51
132.0-133.0	1.3	0.1	489.8	0.02	99.53
133.0-134.0	1.3	0.1	489.9	0.02	99.55
134.0-135.0	1.3	0.1	490.0	0.02	99.57
135.0-136.0	1.2	0.1	490.1	0.02	99.59
136.0-137.0	1.2	0.1	490.2	0.02	99.61
137.0-138.0	1.2	0.1	490.3	0.02	99.63
138.0-139.0	1.2	0.1	490.4	0.02	99.65
139.0-140.0	1.2	0.1	490.5	0.02	99.66
140.0-141.0	1.2	0.1	490.6	0.02	99.68
141.0-142.0	1.2	0.1	490.6	0.02	99.70
142.0-143.0	1.2	0.1	490.7	0.02	99.71
143.0-144.0	1.2	0.1	490.8	0.02	99.73

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	1.2	0.1	490.9	0.02	99.75
145.0-146.0	1.2	0.1	491.0	0.01	99.76
146.0-147.0	1.1	0.1	491.0	0.01	99.77
147.0-148.0	1.1	0.1	491.1	0.01	99.79
148.0-149.0	1.1	0.1	491.2	0.01	99.80
149.0-150.0	1.1	0.1	491.2	0.01	99.81
150.0-151.0	1.1	0.1	491.3	0.01	99.83
151.0-152.0	1.1	0.1	491.3	0.01	99.84
152.0-153.0	1.1	0.1	491.4	0.01	99.85
153.0-154.0	1.1	0.1	491.5	0.01	99.86
154.0-155.0	1.1	0.1	491.5	0.01	99.87
155.0-156.0	1.1	0.1	491.6	0.01	99.88
156.0-157.0	1.1	0.0	491.6	0.01	99.89
157.0-158.0	1.1	0.0	491.7	0.01	99.90
158.0-159.0	1.1	0.0	491.7	0.01	99.91
159.0-160.0	1.1	0.0	491.7	0.01	99.92
160.0-161.0	1.1	0.0	491.8	0.01	99.93
161.0-162.0	1.1	0.0	491.8	0.01	99.94
162.0-163.0	1.1	0.0	491.9	0.01	99.94
163.0-164.0	1.1	0.0	491.9	0.01	99.95
164.0-165.0	1.0	0.0	491.9	0.01	99.96
165.0-166.0	1.0	0.0	491.9	0.01	99.96
166.0-167.0	1.0	0.0	492.0	0.01	99.97
167.0-168.0	1.0	0.0	492.0	0.00	99.97
168.0-169.0	1.0	0.0	492.0	0.00	99.98
169.0-170.0	1.0	0.0	492.0	0.00	99.98
170.0-171.0	1.0	0.0	492.1	0.00	99.98
171.0-172.0	1.0	0.0	492.1	0.00	99.99
172.0-173.0	1.0	0.0	492.1	0.00	99.99
173.0-174.0	1.0	0.0	492.1	0.00	99.99
174.0-175.0	1.0	0.0	492.1	0.00	99.99
175.0-176.0	1.0	0.0	492.1	0.00	100.00
176.0-177.0	1.1	0.0	492.1	0.00	100.00
177.0-178.0	1.1	0.0	492.1	0.00	100.00
178.0-179.0	1.0	0.0	492.1	0.00	100.00
179.0-180.0	1.0	0.0	492.1	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: