

Report No.:

Test Time: 2023/9/13 14:42

## Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAS3F90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 23.6

Luminous Height (mm): 10.7

Voltage: 24.0 V

Current: 0.204 A

Power: 4.92 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 422.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H151.2,H102.9

Vertical Diffuse Angle(10%,50%): V144.6,V96

Luminaire Efficacy Rating (LER): 86

Max. Intensity: 183.47 cd

Total Rated Lamp Lumens: 422.5 lm

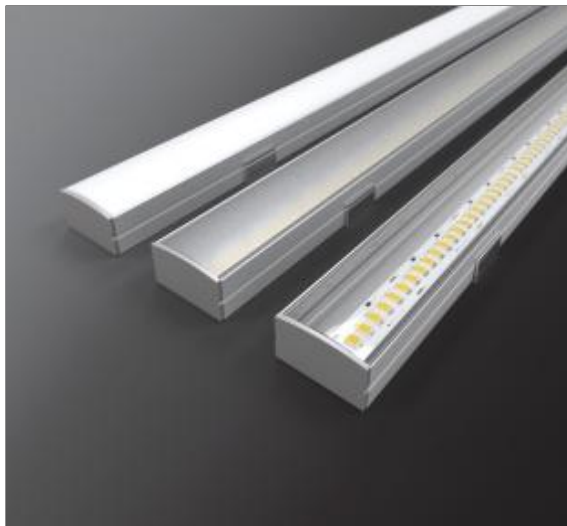
Efficiency: 100%

Upward Ratio: 1%

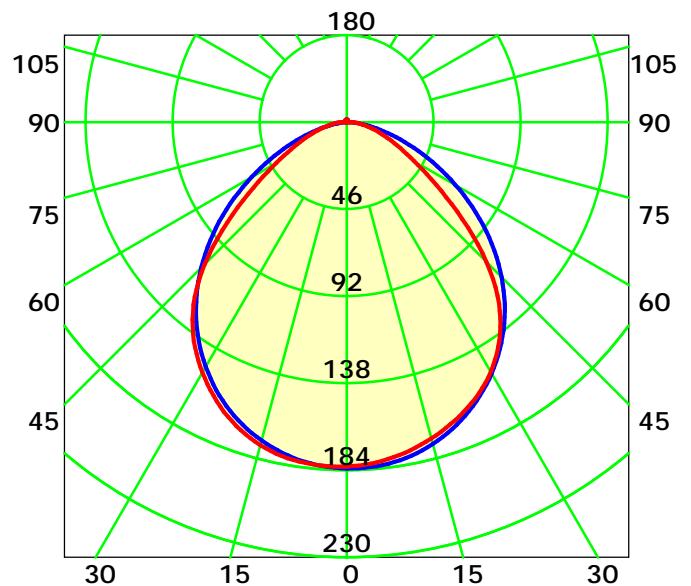
Central Intensity: 183.2 cd

Pos of Max. Intensity: H240 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 99.5° 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

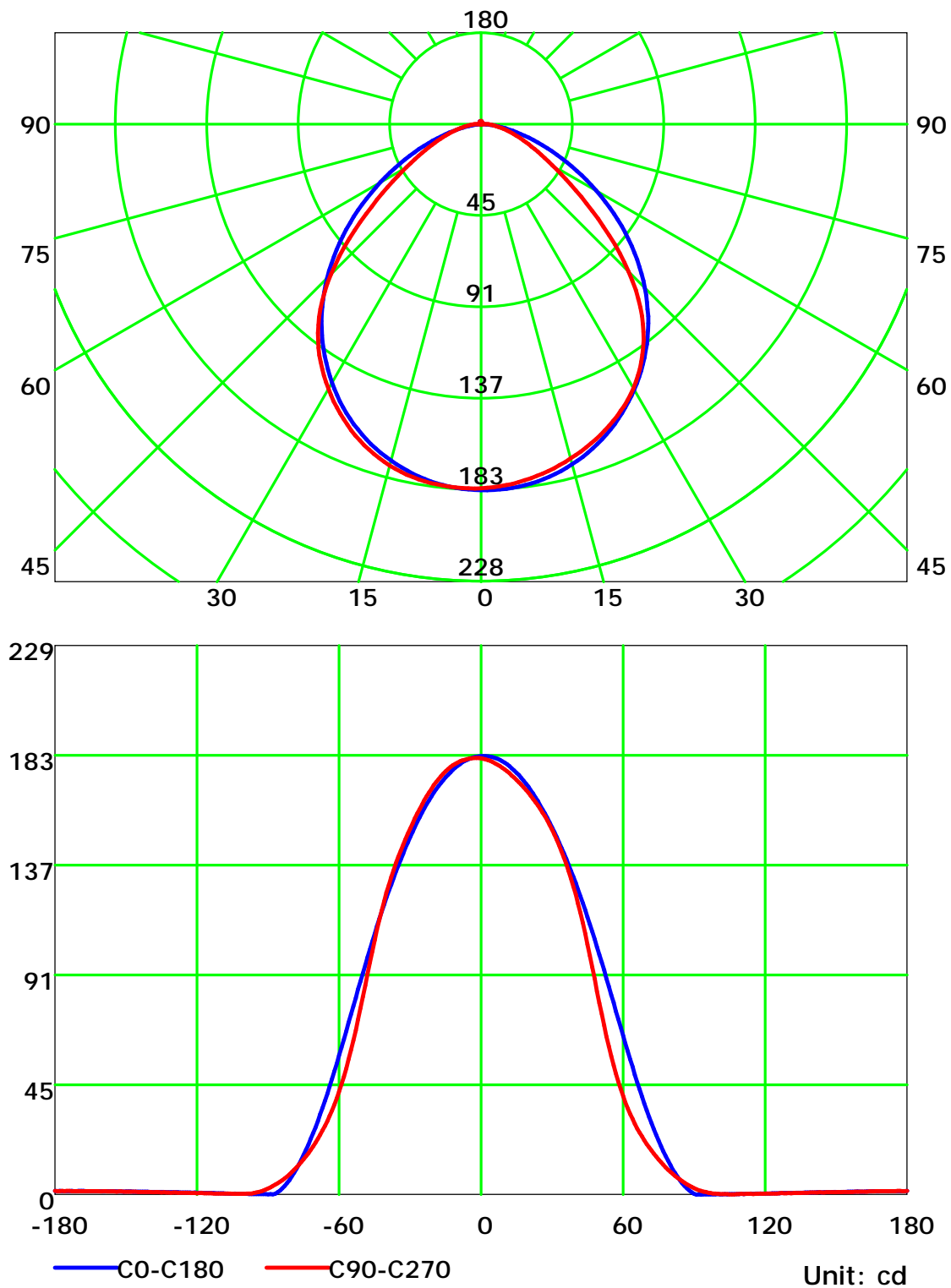
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

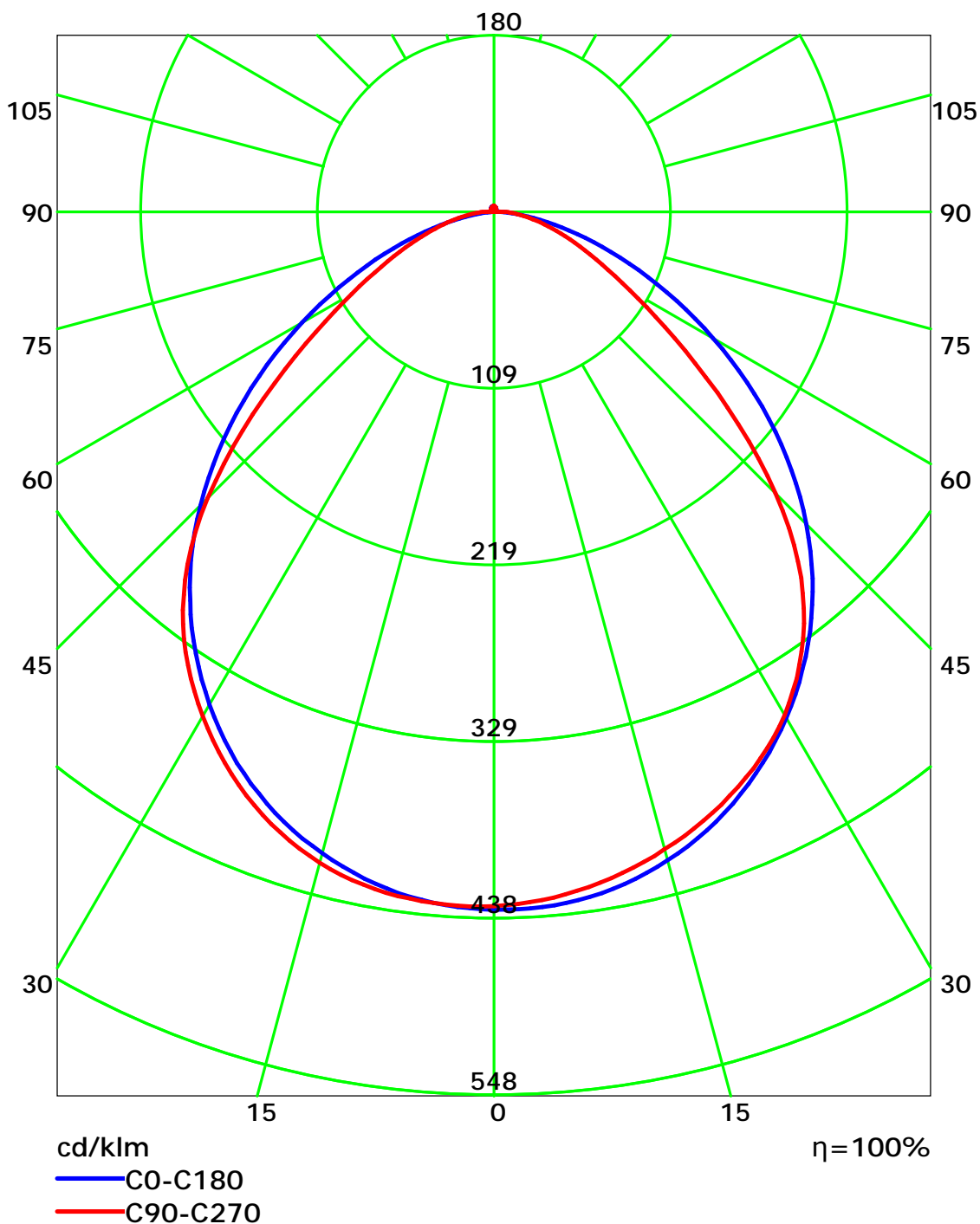
## Luminous Intensity Distribution Curve



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:

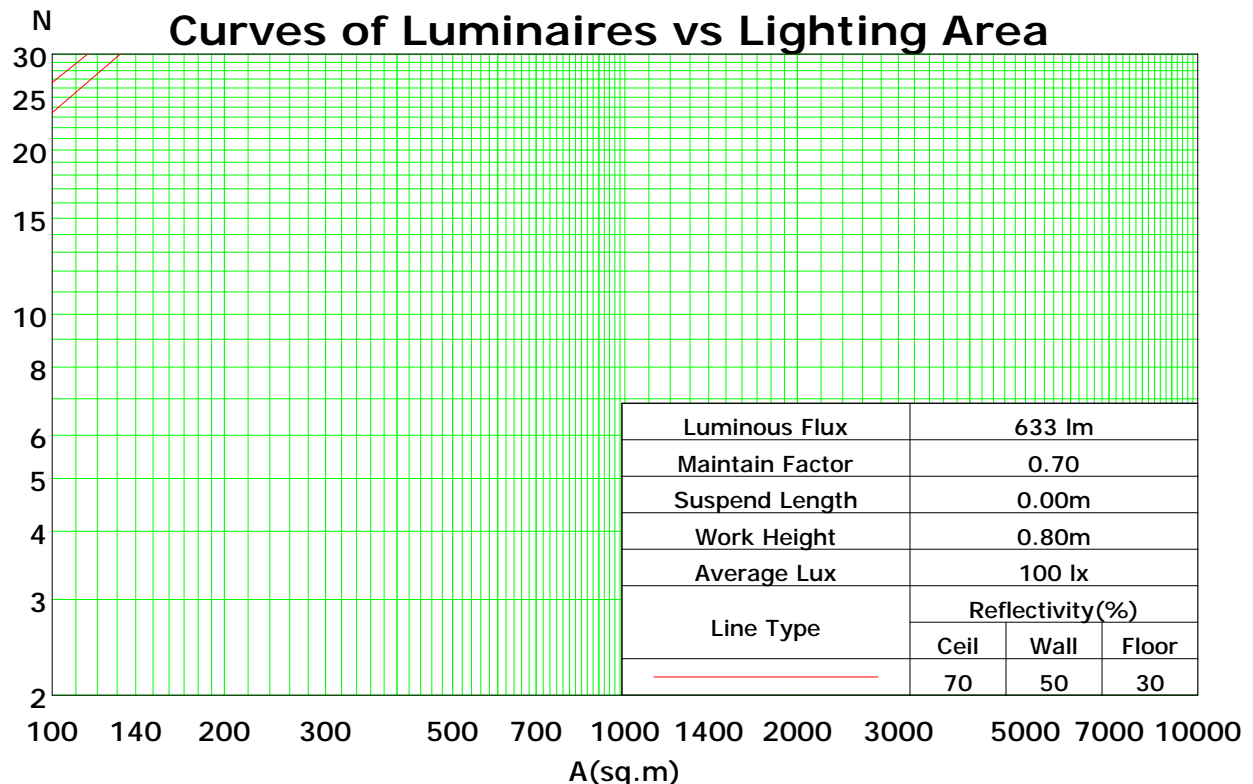
## Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	106	106	106	101	101	101	99
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	101	93	87	82	98	91	85	81	87	83	79	84	80	77	81	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	72	68	65	62
4	85	74	66	59	83	72	65	59	70	63	58	67	62	57	65	60	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	49	47
6	73	60	52	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	45	40	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	27

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 1.24

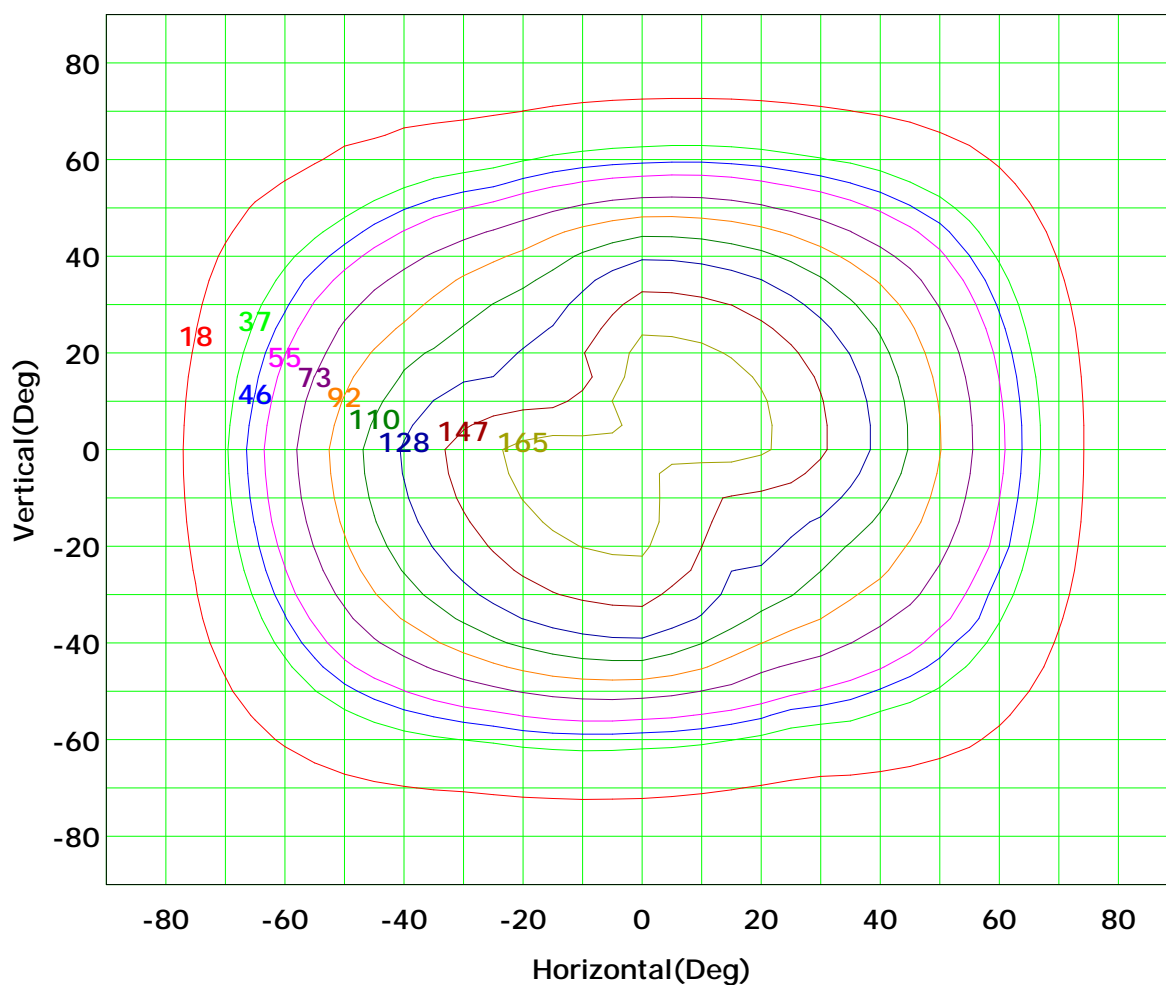
Spacing Criteria (Diagonal): 1.27



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)



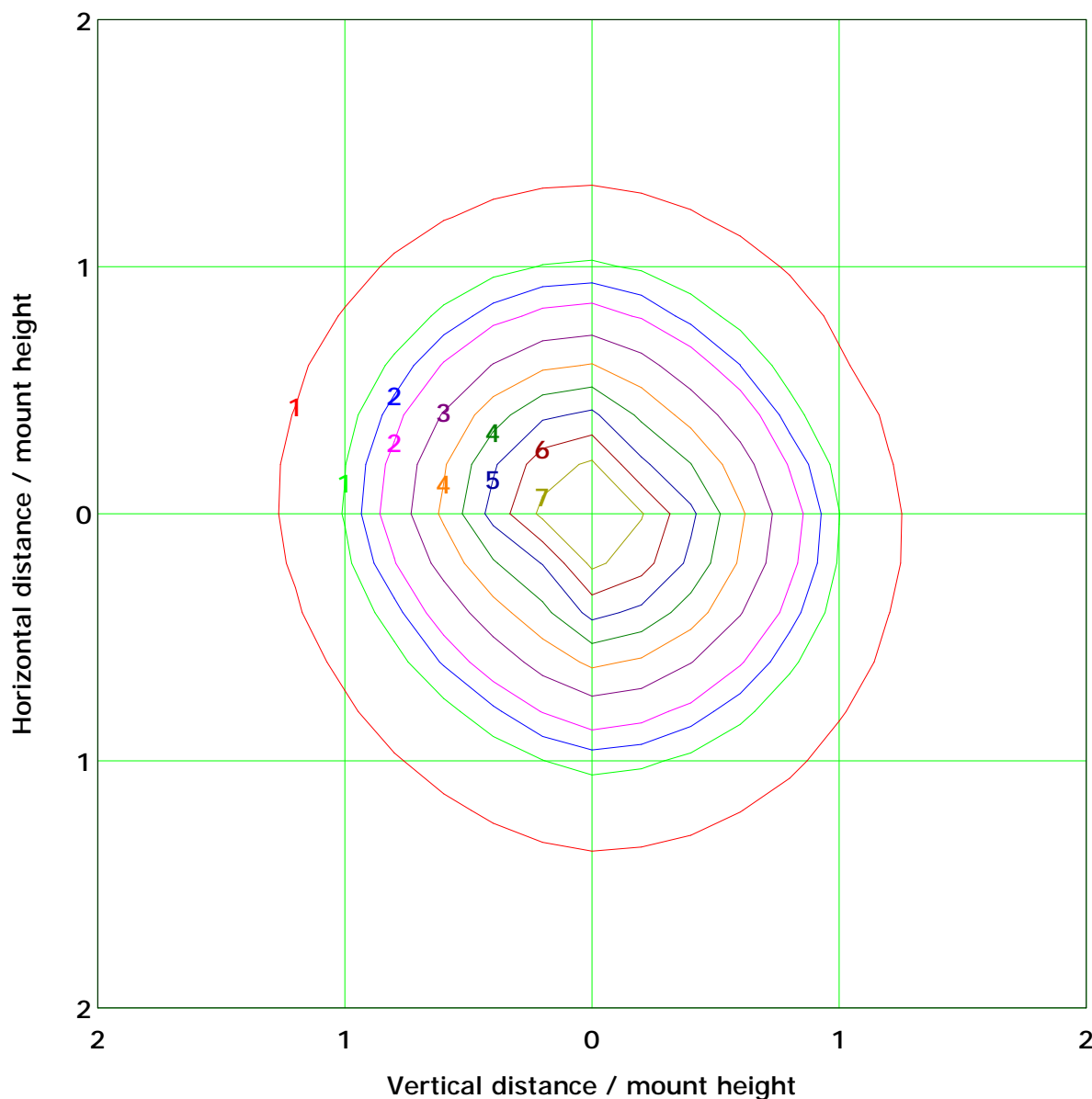
I<sub>max</sub> (100%): 183 cd

( 10%): 18 cd	( 20%): 37 cd
( 25%): 46 cd	( 30%): 55 cd
( 40%): 73 cd	( 50%): 92 cd
( 60%): 110 cd	( 70%): 128 cd
( 80%): 147 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%): 7.3 lx

( 10%): 0.7 lx	( 20%): 1.5 lx
( 25%): 1.8 lx	( 30%): 2.2 lx
( 40%): 2.9 lx	( 50%): 3.7 lx
( 60%): 4.4 lx	( 70%): 5.1 lx
( 80%): 5.9 lx	( 90%): 6.6 lx

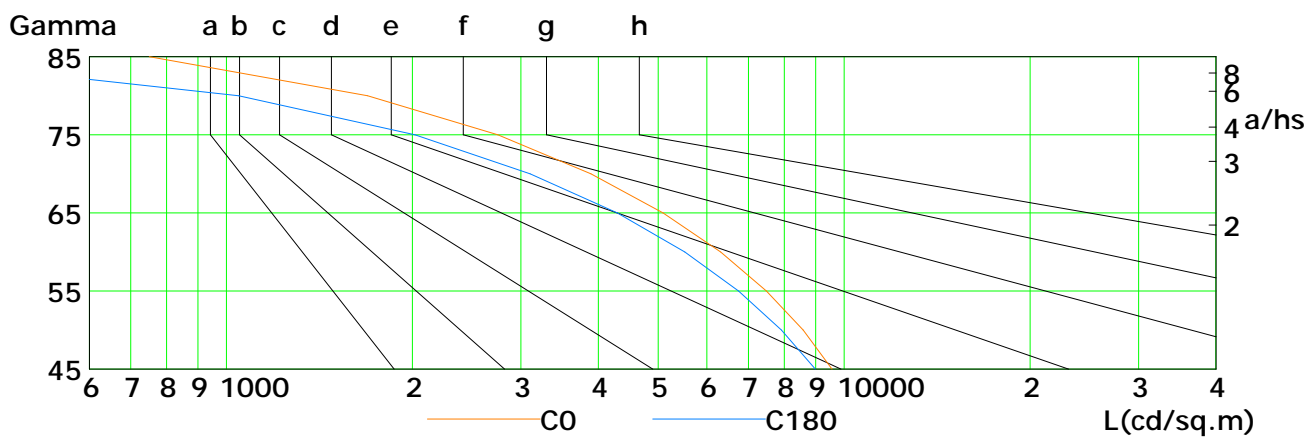
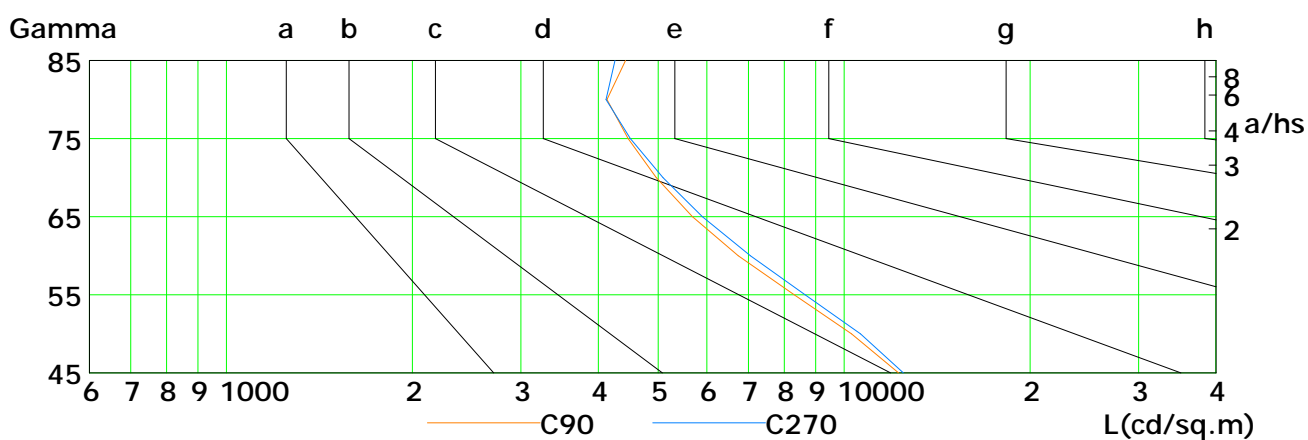
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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



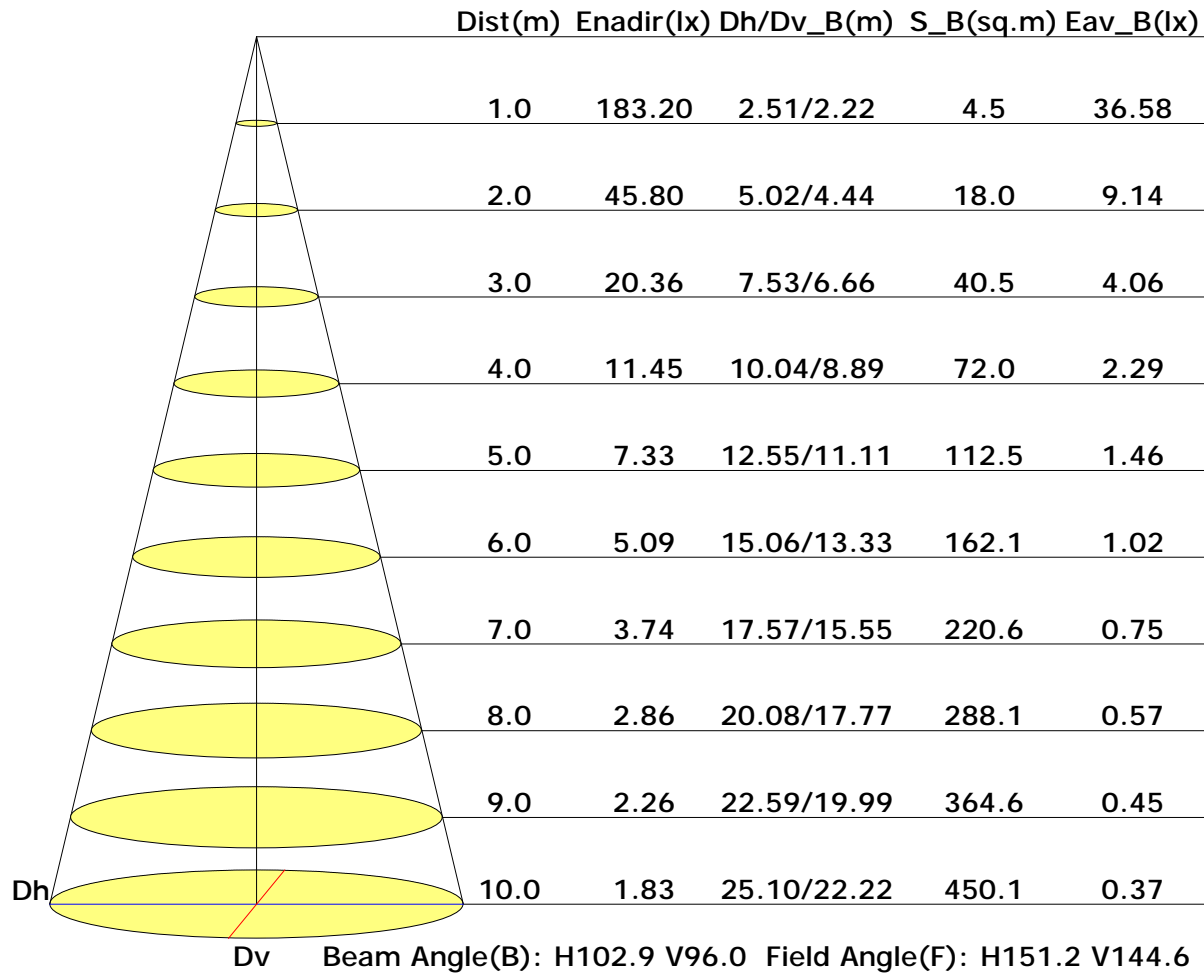
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	9562	8585	7487	6310	5091	3895	2750	1693	750
C90	12262	10285	8305	6742	5683	4968	4469	4135	4430
C180	8987	7916	6748	5524	4294	3103	2020	1047	278
C270	12478	10627	8651	7051	5899	5095	4509	4117	4258

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

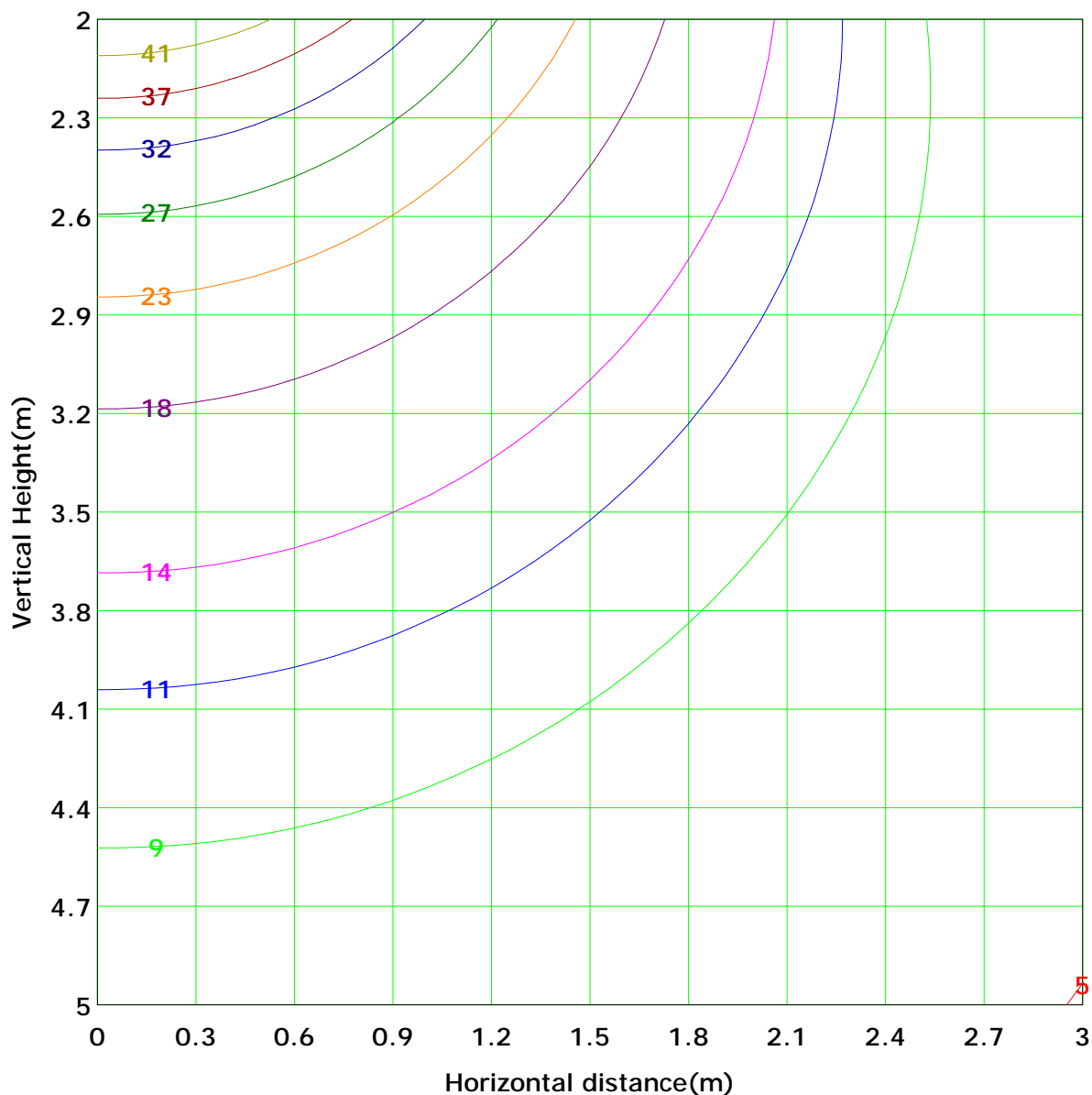


## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 45.8 lx
( 10%): 4.6 lx	( 20%): 9.2 lx	
( 25%): 11.4 lx	( 30%): 13.7 lx	
( 40%): 18.3 lx	( 50%): 22.9 lx	
( 60%): 27.5 lx	( 70%): 32.1 lx	
( 80%): 36.6 lx	( 90%): 41.2 lx	

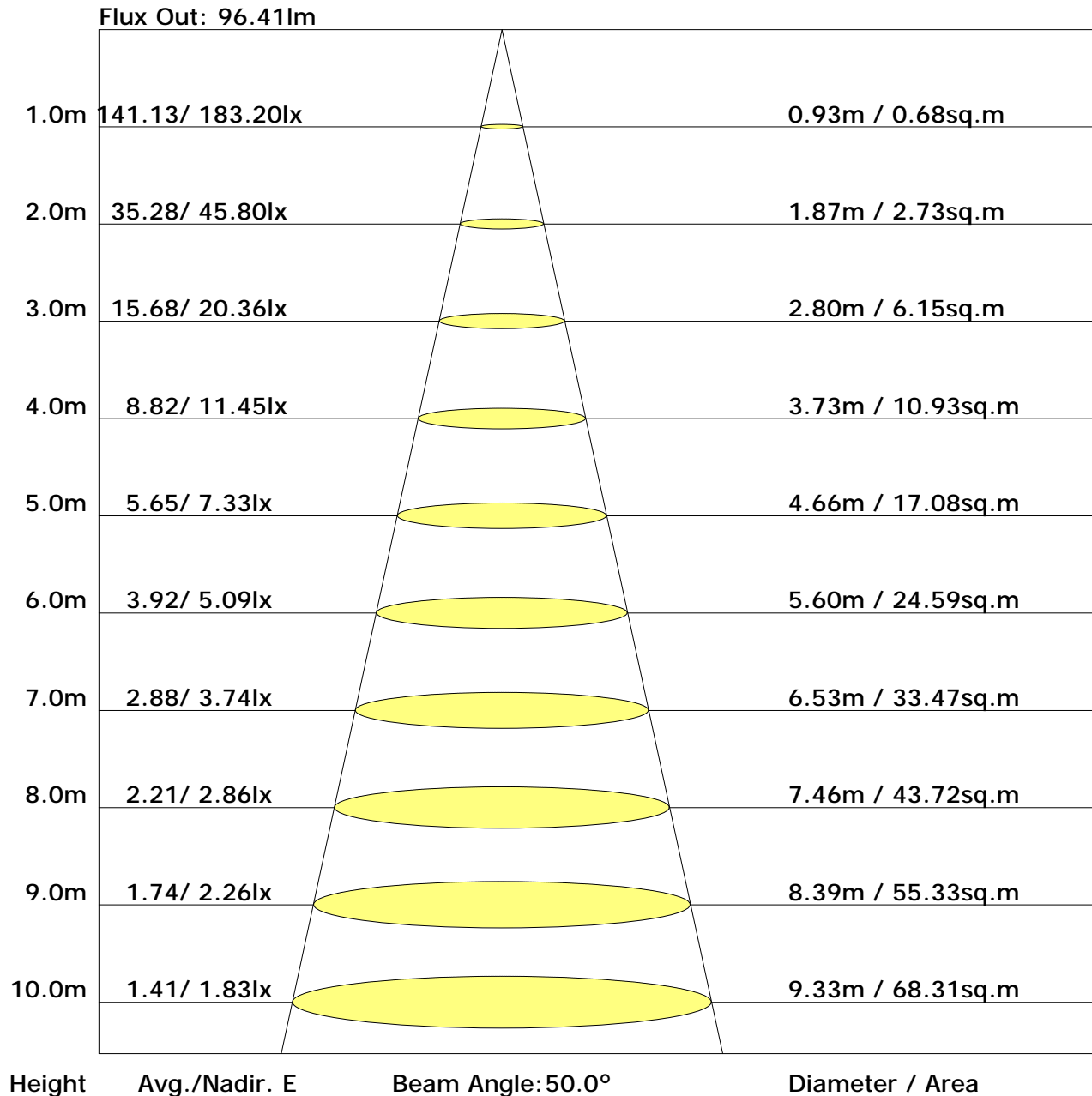
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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	22.7	24.2	23.1	24.5	24.9	19.5	21.0	19.9	21.3	21.7
3H	24.1	25.4	24.4	25.8	26.1	20.4	21.7	20.8	22.1	22.5
4H	24.5	25.8	24.9	26.1	26.5	20.6	21.9	21.1	22.3	22.7
6H	24.8	26.0	25.2	26.4	26.8	20.8	22.0	21.3	22.4	22.8
8H	24.9	26.0	25.3	26.4	26.8	20.9	22.0	21.3	22.4	22.8
12H	24.9	26.0	25.4	26.4	26.8	20.9	22.0	21.4	22.4	22.8
X=4H Y=2H	22.8	24.1	23.2	24.5	24.9	20.1	21.4	20.5	21.7	22.1
3H	24.3	25.4	24.8	25.8	26.2	21.1	22.1	21.5	22.5	23.0
4H	24.9	25.8	25.3	26.2	26.7	21.4	22.4	21.9	22.8	23.3
6H	25.2	26.1	25.7	26.5	27.0	21.7	22.5	22.2	23.0	23.5
8H	25.3	26.1	25.8	26.6	27.1	21.8	22.5	22.2	23.0	23.5
12H	25.4	26.1	25.9	26.6	27.1	21.8	22.5	22.3	23.0	23.5
X=8H Y=4H	24.9	25.6	25.4	26.1	26.6	21.7	22.4	22.1	22.9	23.4
6H	25.3	25.9	25.8	26.4	26.9	22.0	22.6	22.5	23.1	23.6
8H	25.4	26.0	25.9	26.5	27.0	22.1	22.7	22.6	23.2	23.7
12H	25.5	26.0	26.0	26.5	27.1	22.2	22.7	22.7	23.2	23.8
X=12H Y=4H	24.8	25.5	25.3	26.0	26.5	21.7	22.4	22.2	22.9	23.4
6H	25.3	25.8	25.8	26.3	26.9	22.0	22.6	22.6	23.1	23.6
8H	25.4	25.9	25.9	26.4	27.0	22.2	22.7	22.7	23.2	23.8

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	0.61	0.72	0.79	0.84	0.90	0.95	0.98	1.02	1.05
	0.30		0.54	0.65	0.72	0.77	0.85	0.90	0.94	0.98	1.02
	0.20		0.49	0.59	0.67	0.72	0.80	0.86	0.90	0.95	0.99
0.50	0.50	0.20	0.60	0.70	0.76	0.81	0.87	0.91	0.94	0.98	1.00
	0.30		0.53	0.63	0.70	0.76	0.83	0.87	0.91	0.95	0.98
	0.20		0.48	0.59	0.66	0.71	0.79	0.84	0.87	0.92	0.96
0.30	0.50	0.20	0.58	0.68	0.74	0.78	0.84	0.88	0.91	0.94	0.96
	0.30		0.52	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.94
	0.20		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.92
0.00	0.00	0.00	0.46	0.55	0.62	0.67	0.73	0.78	0.81	0.85	0.88
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	0.92	0.75	0.63	0.55	0.43	0.36	0.31	0.24	0.19	
	0.30		0.77	0.64	0.55	0.48	0.39	0.33	0.28	0.22	0.18	
	0.20		0.66	0.56	0.49	0.43	0.36	0.30	0.26	0.21	0.17	
0.50	0.50	0.20	0.89	0.72	0.60	0.52	0.41	0.37	0.29	0.22	0.18	
	0.30		0.75	0.62	0.53	0.47	0.38	0.31	0.27	0.21	0.17	
	0.20		0.65	0.55	0.48	0.42	0.35	0.29	0.25	0.20	0.17	
0.30	0.50	0.20	0.86	0.69	0.58	0.50	0.39	0.32	0.27	0.21	0.17	
	0.30		0.73	0.60	0.52	0.45	0.36	0.30	0.26	0.20	0.17	
	0.20		0.64	0.54	0.47	0.41	0.34	0.28	0.24	0.19	0.16	
0.00	0.00	0.00	0.53	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.12	
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	0.17	0.18	0.19	0.19	0.20	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	0.08	0.09	0.10	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	0.18	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	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.19	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	0.15	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: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	170.8	0.2	0.2	0.04	0.04
1.0-2.0	170.9	0.5	0.7	0.12	0.15
2.0-3.0	171.3	0.8	1.5	0.19	0.35
3.0-4.0	171.6	1.1	2.6	0.27	0.62
4.0-5.0	171.5	1.5	4.1	0.35	0.97
5.0-6.0	172.2	1.8	5.9	0.43	1.40
6.0-7.0	172.9	2.1	8.1	0.51	1.91
7.0-8.0	172.6	2.5	10.5	0.58	2.49
8.0-9.0	172.2	2.8	13.3	0.66	3.15
9.0-10.0	171.8	3.1	16.4	0.74	3.89
10.0-11.0	171.2	3.4	19.8	0.81	4.70
11.0-12.0	170.4	3.7	23.6	0.88	5.58
12.0-13.0	169.5	4.0	27.6	0.95	6.53
13.0-14.0	168.4	4.3	31.9	1.02	7.55
14.0-15.0	166.9	4.6	36.5	1.08	8.64
15.0-16.0	165.6	4.9	41.3	1.15	9.79
16.0-17.0	164.6	5.1	46.5	1.21	11.00
17.0-18.0	163.5	5.4	51.9	1.28	12.27
18.0-19.0	162.3	5.6	57.5	1.34	13.61
19.0-20.0	161.1	5.9	63.4	1.40	15.01
20.0-21.0	160.1	6.1	69.6	1.46	16.46
21.0-22.0	159.0	6.4	75.9	1.51	17.98
22.0-23.0	157.7	6.6	82.6	1.57	19.54
23.0-24.0	156.1	6.8	89.4	1.62	21.16
24.0-25.0	154.3	7.0	96.4	1.66	22.82
25.0-26.0	152.6	7.2	103.6	1.70	24.52
26.0-27.0	150.9	7.4	111.0	1.75	26.27
27.0-28.0	149.0	7.5	118.5	1.79	28.06
28.0-29.0	147.0	7.7	126.2	1.82	29.88
29.0-30.0	144.9	7.8	134.1	1.85	31.73
30.0-31.0	143.1	8.0	142.0	1.89	33.62
31.0-32.0	141.3	8.1	150.1	1.92	35.53
32.0-33.0	139.1	8.2	158.3	1.94	37.47
33.0-34.0	137.0	8.3	166.6	1.96	39.44
34.0-35.0	134.9	8.4	175.0	1.98	41.42
35.0-36.0	132.5	8.4	183.4	2.00	43.42

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:



## 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	129.7	8.5	191.9	2.00	45.42
37.0-38.0	127.0	8.5	200.4	2.01	47.43
38.0-39.0	124.4	8.5	208.9	2.01	49.44
39.0-40.0	121.5	8.5	217.3	2.01	51.44
40.0-41.0	118.4	8.4	225.8	2.00	53.44
41.0-42.0	115.3	8.4	234.1	1.98	55.42
42.0-43.0	112.2	8.3	242.5	1.97	57.39
43.0-44.0	109.4	8.3	250.7	1.95	59.34
44.0-45.0	106.1	8.2	258.9	1.93	61.27
45.0-46.0	102.6	8.0	266.9	1.90	63.17
46.0-47.0	99.1	7.9	274.8	1.87	65.04
47.0-48.0	95.4	7.7	282.5	1.83	66.86
48.0-49.0	91.6	7.5	290.0	1.78	68.64
49.0-50.0	87.9	7.3	297.3	1.74	70.38
50.0-51.0	84.3	7.1	304.5	1.69	72.07
51.0-52.0	80.9	6.9	311.4	1.64	73.71
52.0-53.0	77.2	6.7	318.1	1.59	75.30
53.0-54.0	73.4	6.5	324.6	1.53	76.83
54.0-55.0	69.8	6.2	330.8	1.47	78.31
55.0-56.0	66.1	6.0	336.8	1.41	79.72
56.0-57.0	62.5	5.7	342.5	1.35	81.07
57.0-58.0	58.9	5.5	348.0	1.29	82.36
58.0-59.0	55.6	5.2	353.2	1.23	83.59
59.0-60.0	52.3	4.9	358.1	1.17	84.76
60.0-61.0	49.3	4.7	362.8	1.11	85.88
61.0-62.0	46.4	4.5	367.3	1.06	86.94
62.0-63.0	43.5	4.2	371.5	1.00	87.94
63.0-64.0	40.5	4.0	375.5	0.94	88.88
64.0-65.0	37.9	3.8	379.2	0.89	89.77
65.0-66.0	35.4	3.5	382.8	0.84	90.60
66.0-67.0	33.0	3.3	386.1	0.78	91.39
67.0-68.0	30.7	3.1	389.2	0.74	92.12
68.0-69.0	28.5	2.9	392.1	0.69	92.81
69.0-70.0	26.4	2.7	394.8	0.64	93.46
70.0-71.0	24.4	2.5	397.4	0.60	94.05
71.0-72.0	22.4	2.3	399.7	0.55	94.60

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	20.6	2.2	401.8	0.51	95.11
73.0-74.0	18.9	2.0	403.8	0.47	95.58
74.0-75.0	17.3	1.8	405.7	0.43	96.02
75.0-76.0	15.7	1.7	407.3	0.40	96.41
76.0-77.0	14.2	1.5	408.8	0.36	96.77
77.0-78.0	12.8	1.4	410.2	0.32	97.10
78.0-79.0	11.5	1.2	411.4	0.29	97.39
79.0-80.0	10.2	1.1	412.5	0.26	97.65
80.0-81.0	9.0	1.0	413.5	0.23	97.88
81.0-82.0	7.8	0.8	414.4	0.20	98.08
82.0-83.0	6.7	0.7	415.1	0.17	98.25
83.0-84.0	5.8	0.6	415.7	0.15	98.40
84.0-85.0	4.9	0.5	416.2	0.13	98.53
85.0-86.0	4.1	0.4	416.7	0.11	98.63
86.0-87.0	3.4	0.4	417.1	0.09	98.72
87.0-88.0	2.8	0.3	417.4	0.07	98.79
88.0-89.0	2.2	0.2	417.6	0.06	98.85
89.0-90.0	1.7	0.2	417.8	0.05	98.89
90.0-91.0	1.4	0.1	418.0	0.04	98.93
91.0-92.0	1.1	0.1	418.1	0.03	98.96
92.0-93.0	0.9	0.1	418.2	0.02	98.98
93.0-94.0	0.7	0.1	418.2	0.02	99.00
94.0-95.0	0.6	0.1	418.3	0.01	99.01
95.0-96.0	0.5	0.1	418.4	0.01	99.02
96.0-97.0	0.4	0.0	418.4	0.01	99.03
97.0-98.0	0.3	0.0	418.4	0.01	99.04
98.0-99.0	0.3	0.0	418.5	0.01	99.05
99.0-100.0	0.3	0.0	418.5	0.01	99.06
100.0-101.0	0.3	0.0	418.5	0.01	99.06
101.0-102.0	0.3	0.0	418.6	0.01	99.07
102.0-103.0	0.3	0.0	418.6	0.01	99.08
103.0-104.0	0.3	0.0	418.6	0.01	99.09
104.0-105.0	0.3	0.0	418.7	0.01	99.10
105.0-106.0	0.3	0.0	418.7	0.01	99.10
106.0-107.0	0.3	0.0	418.7	0.01	99.11
107.0-108.0	0.4	0.0	418.8	0.01	99.12

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	0.4	0.0	418.8	0.01	99.13
109.0-110.0	0.4	0.0	418.9	0.01	99.14
110.0-111.0	0.4	0.0	418.9	0.01	99.15
111.0-112.0	0.4	0.0	418.9	0.01	99.16
112.0-113.0	0.5	0.0	419.0	0.01	99.17
113.0-114.0	0.5	0.0	419.0	0.01	99.19
114.0-115.0	0.5	0.0	419.1	0.01	99.20
115.0-116.0	0.5	0.1	419.1	0.01	99.21
116.0-117.0	0.5	0.1	419.2	0.01	99.22
117.0-118.0	0.6	0.1	419.2	0.01	99.23
118.0-119.0	0.6	0.1	419.3	0.01	99.25
119.0-120.0	0.6	0.1	419.4	0.01	99.26
120.0-121.0	0.6	0.1	419.4	0.01	99.27
121.0-122.0	0.6	0.1	419.5	0.01	99.29
122.0-123.0	0.7	0.1	419.5	0.01	99.30
123.0-124.0	0.7	0.1	419.6	0.01	99.32
124.0-125.0	0.7	0.1	419.7	0.01	99.33
125.0-126.0	0.7	0.1	419.7	0.02	99.35
126.0-127.0	0.7	0.1	419.8	0.02	99.36
127.0-128.0	0.8	0.1	419.9	0.02	99.38
128.0-129.0	0.8	0.1	419.9	0.02	99.39
129.0-130.0	0.8	0.1	420.0	0.02	99.41
130.0-131.0	0.8	0.1	420.1	0.02	99.43
131.0-132.0	0.8	0.1	420.1	0.02	99.44
132.0-133.0	0.9	0.1	420.2	0.02	99.46
133.0-134.0	0.9	0.1	420.3	0.02	99.48
134.0-135.0	0.9	0.1	420.3	0.02	99.49
135.0-136.0	0.9	0.1	420.4	0.02	99.51
136.0-137.0	0.9	0.1	420.5	0.02	99.53
137.0-138.0	1.0	0.1	420.5	0.02	99.54
138.0-139.0	1.0	0.1	420.6	0.02	99.56
139.0-140.0	1.0	0.1	420.7	0.02	99.58
140.0-141.0	1.0	0.1	420.8	0.02	99.59
141.0-142.0	1.0	0.1	420.8	0.02	99.61
142.0-143.0	1.0	0.1	420.9	0.02	99.63
143.0-144.0	1.1	0.1	421.0	0.02	99.64

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	1.1	0.1	421.0	0.02	99.66
145.0-146.0	1.1	0.1	421.1	0.02	99.67
146.0-147.0	1.1	0.1	421.2	0.02	99.69
147.0-148.0	1.1	0.1	421.2	0.02	99.71
148.0-149.0	1.2	0.1	421.3	0.02	99.72
149.0-150.0	1.2	0.1	421.4	0.02	99.74
150.0-151.0	1.2	0.1	421.4	0.02	99.75
151.0-152.0	1.2	0.1	421.5	0.01	99.77
152.0-153.0	1.2	0.1	421.6	0.01	99.78
153.0-154.0	1.2	0.1	421.6	0.01	99.80
154.0-155.0	1.3	0.1	421.7	0.01	99.81
155.0-156.0	1.3	0.1	421.7	0.01	99.82
156.0-157.0	1.3	0.1	421.8	0.01	99.84
157.0-158.0	1.3	0.1	421.8	0.01	99.85
158.0-159.0	1.3	0.1	421.9	0.01	99.86
159.0-160.0	1.3	0.1	421.9	0.01	99.87
160.0-161.0	1.3	0.0	422.0	0.01	99.89
161.0-162.0	1.4	0.0	422.0	0.01	99.90
162.0-163.0	1.4	0.0	422.1	0.01	99.91
163.0-164.0	1.4	0.0	422.1	0.01	99.92
164.0-165.0	1.4	0.0	422.2	0.01	99.93
165.0-166.0	1.4	0.0	422.2	0.01	99.94
166.0-167.0	1.4	0.0	422.2	0.01	99.94
167.0-168.0	1.4	0.0	422.3	0.01	99.95
168.0-169.0	1.4	0.0	422.3	0.01	99.96
169.0-170.0	1.5	0.0	422.3	0.01	99.97
170.0-171.0	1.4	0.0	422.4	0.01	99.97
171.0-172.0	1.4	0.0	422.4	0.01	99.98
172.0-173.0	1.5	0.0	422.4	0.00	99.98
173.0-174.0	1.5	0.0	422.4	0.00	99.99
174.0-175.0	1.5	0.0	422.4	0.00	99.99
175.0-176.0	1.5	0.0	422.5	0.00	99.99
176.0-177.0	1.5	0.0	422.5	0.00	100.00
177.0-178.0	1.5	0.0	422.5	0.00	100.00
178.0-179.0	1.5	0.0	422.5	0.00	100.00
179.0-180.0	1.5	0.0	422.5	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: