

Report No.:

Test Time: 2023/4/17 11:46

## Luminaire Property

Luminaire Manufacturer: ACOLYTE  
Luminaire Category: RIBBONLYTE  
Luminous Length (mm): 320  
Luminous Height (mm): 10.5  
Current: 0.240 A  
Power Factor: 1.000

Luminaire Description: RB90SWX675.83510  
Luminous Width (mm): 20.5  
Voltage: 24.0 V  
Power: 5.75 W

## Photometric Results

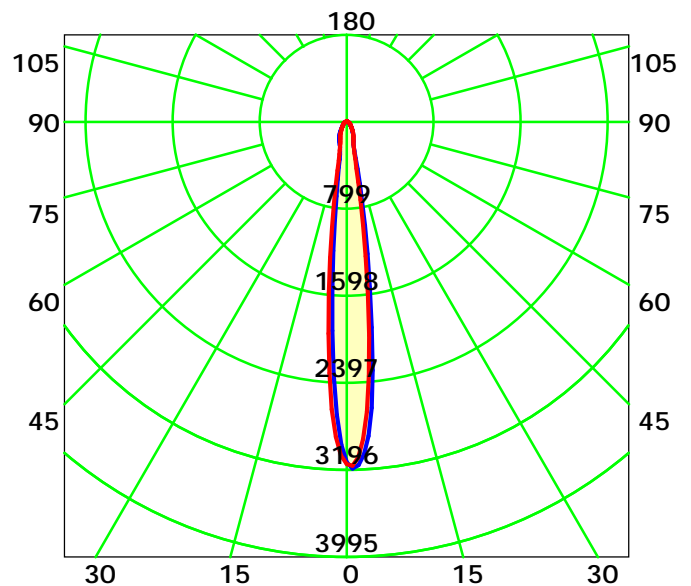
CIE Class: Direct  
Measurement Flux: 547 lm  
Downward Ratio: 91%  
Horizontal Diffuse Angle(10%,50%): H26.3,H12.8  
Vertical Diffuse Angle(10%,50%): V26.6,V13.1  
Luminaire Efficacy Rating (LER): 95  
Max. Intensity: 3183.7 cd

Total Rated Lamp Lumens: 547.0 lm  
Efficiency: 100%  
Upward Ratio: 9%  
Central Intensity: 3123.7 cd  
Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



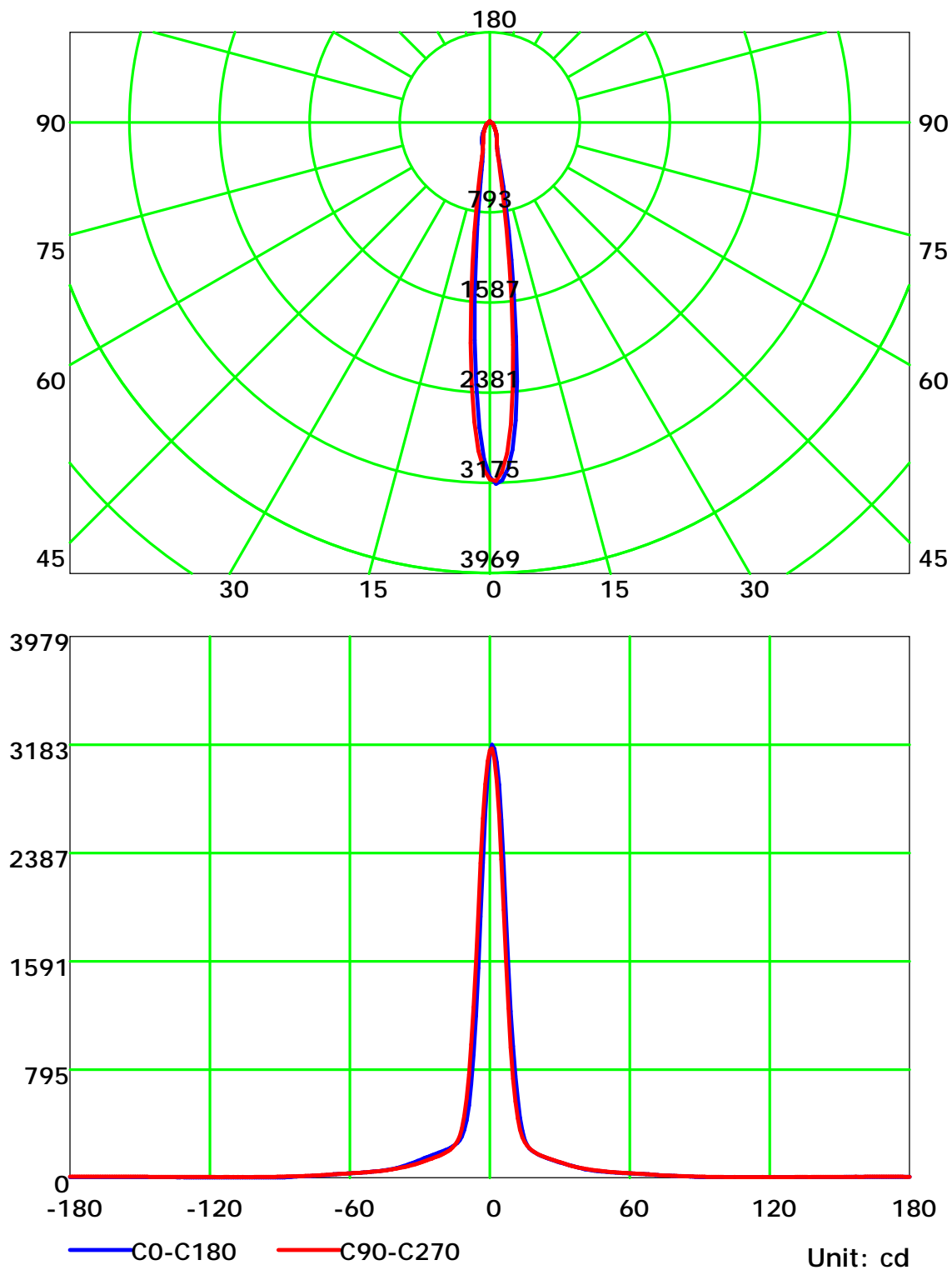
Average Diffuse Angle(50%): 12.9° Unit: cd

— 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:

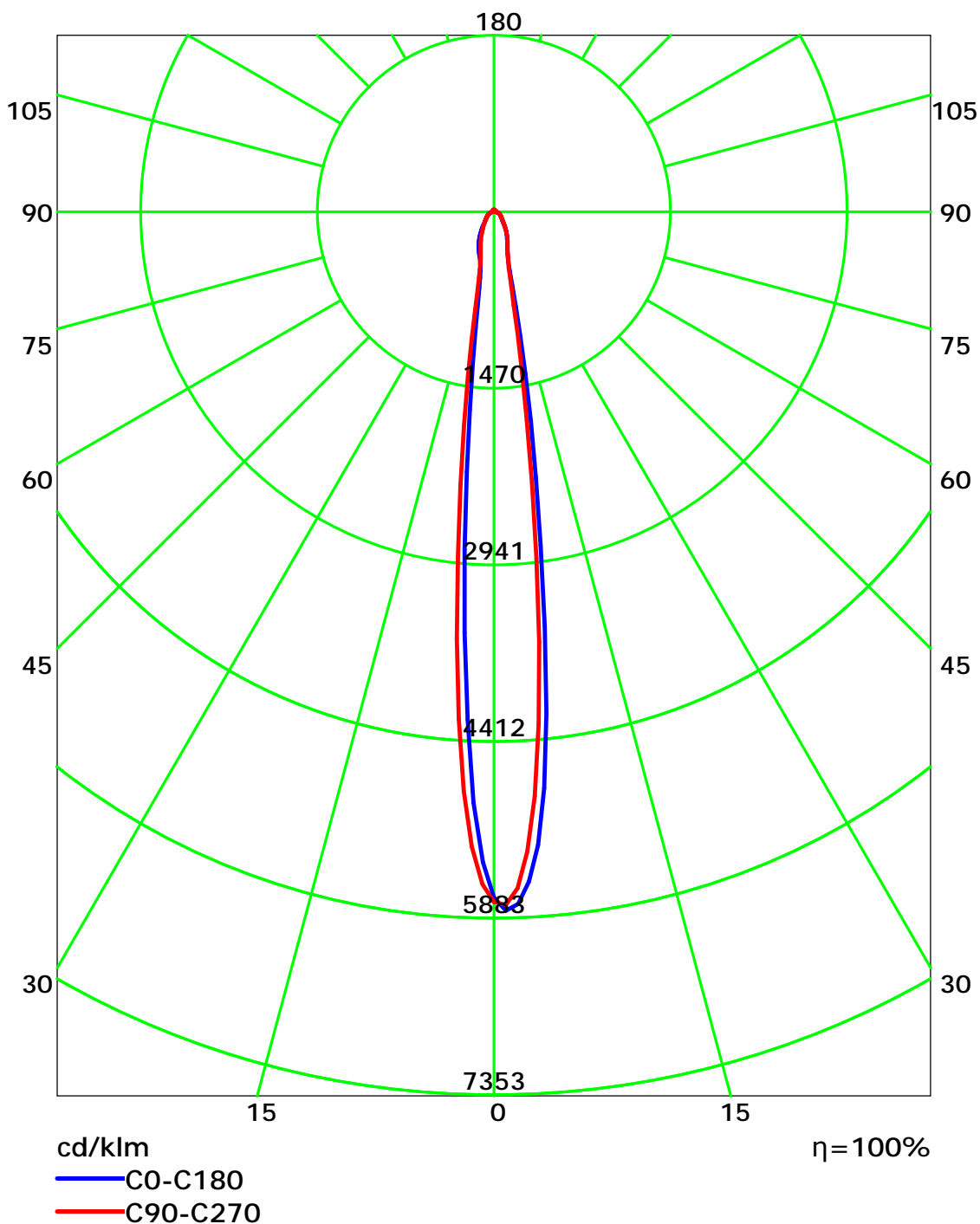
## Luminous Intensity Distribution Curve



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:

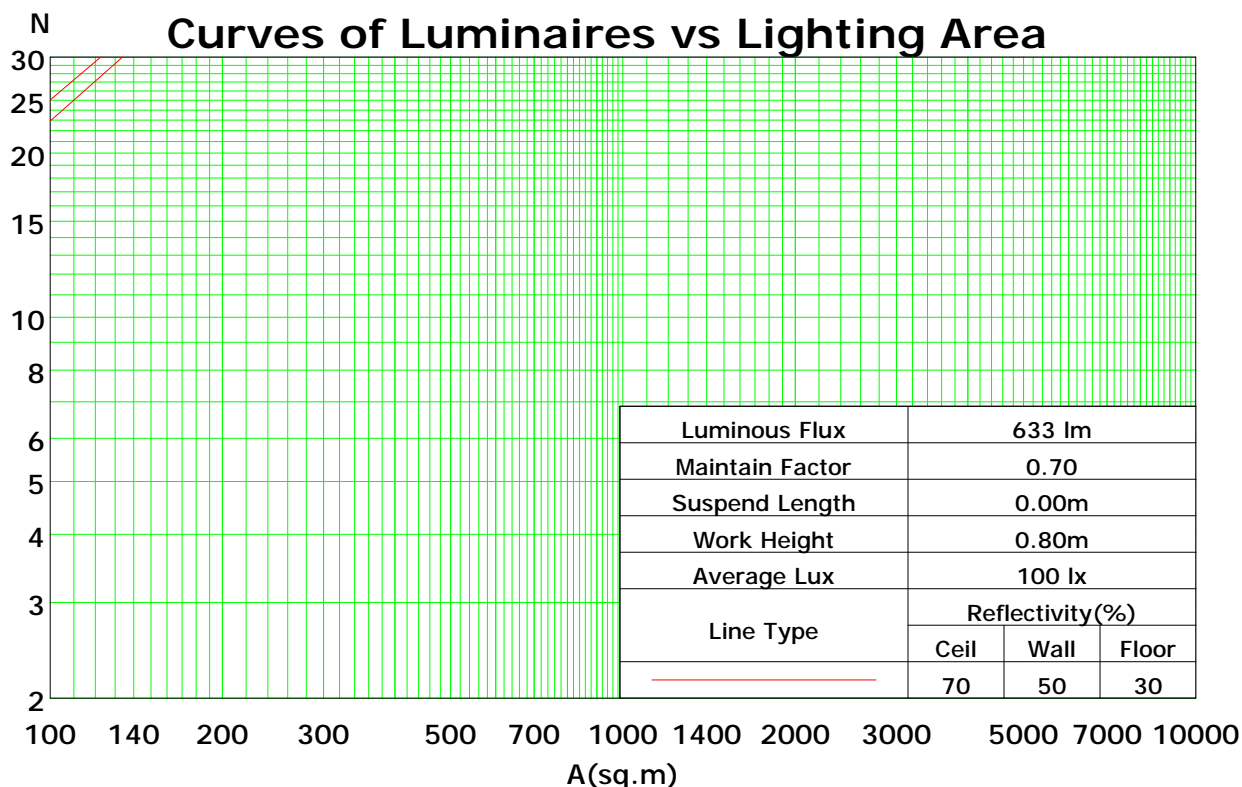
## Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	109	105	102	99	105	102	99	96	96	94	92	91	89	87	86	84	83	81
2	102	96	91	86	99	93	89	85	88	85	81	84	81	78	80	77	75	73
3	96	88	82	77	93	86	81	76	82	77	74	78	74	71	75	72	69	67
4	91	82	75	70	88	80	74	70	77	72	68	74	69	66	71	67	64	62
5	86	77	70	65	84	75	69	64	72	67	63	70	65	62	67	63	60	58
6	82	72	66	61	80	71	65	60	68	63	59	66	62	58	64	60	57	55
7	78	68	62	57	76	67	61	57	65	60	56	63	59	55	61	57	54	53
8	75	65	59	55	73	64	58	54	62	57	53	61	56	53	59	55	52	50
9	72	62	56	52	70	61	56	52	60	55	51	58	54	50	57	53	50	48
10	69	60	54	50	68	59	53	50	58	53	49	56	52	49	55	51	48	47

Spacing Criteria (0-180): 0.23

Spacing Criteria (90-270): 0.23

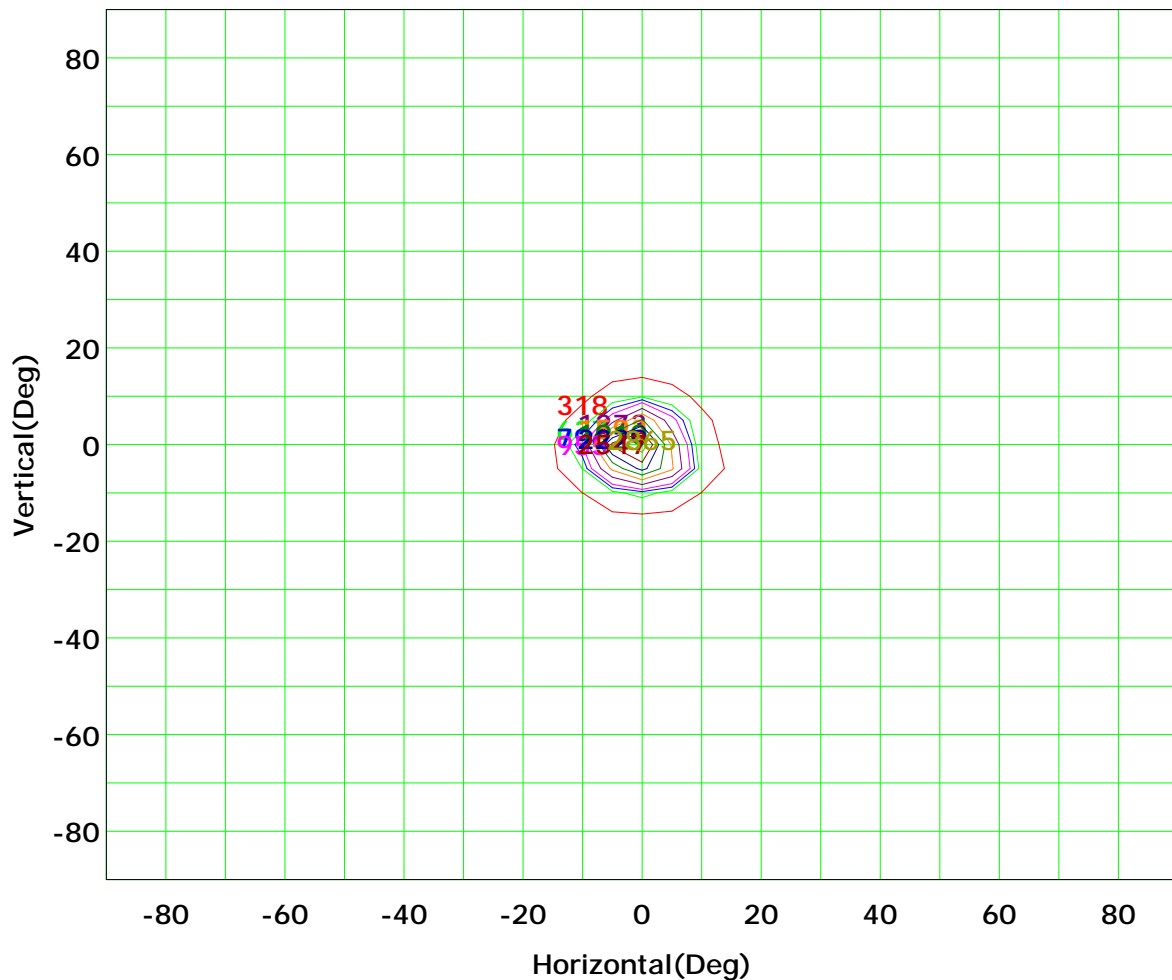
Spacing Criteria (Diagonal): 0.23



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:

## Isocandela (rectangle)



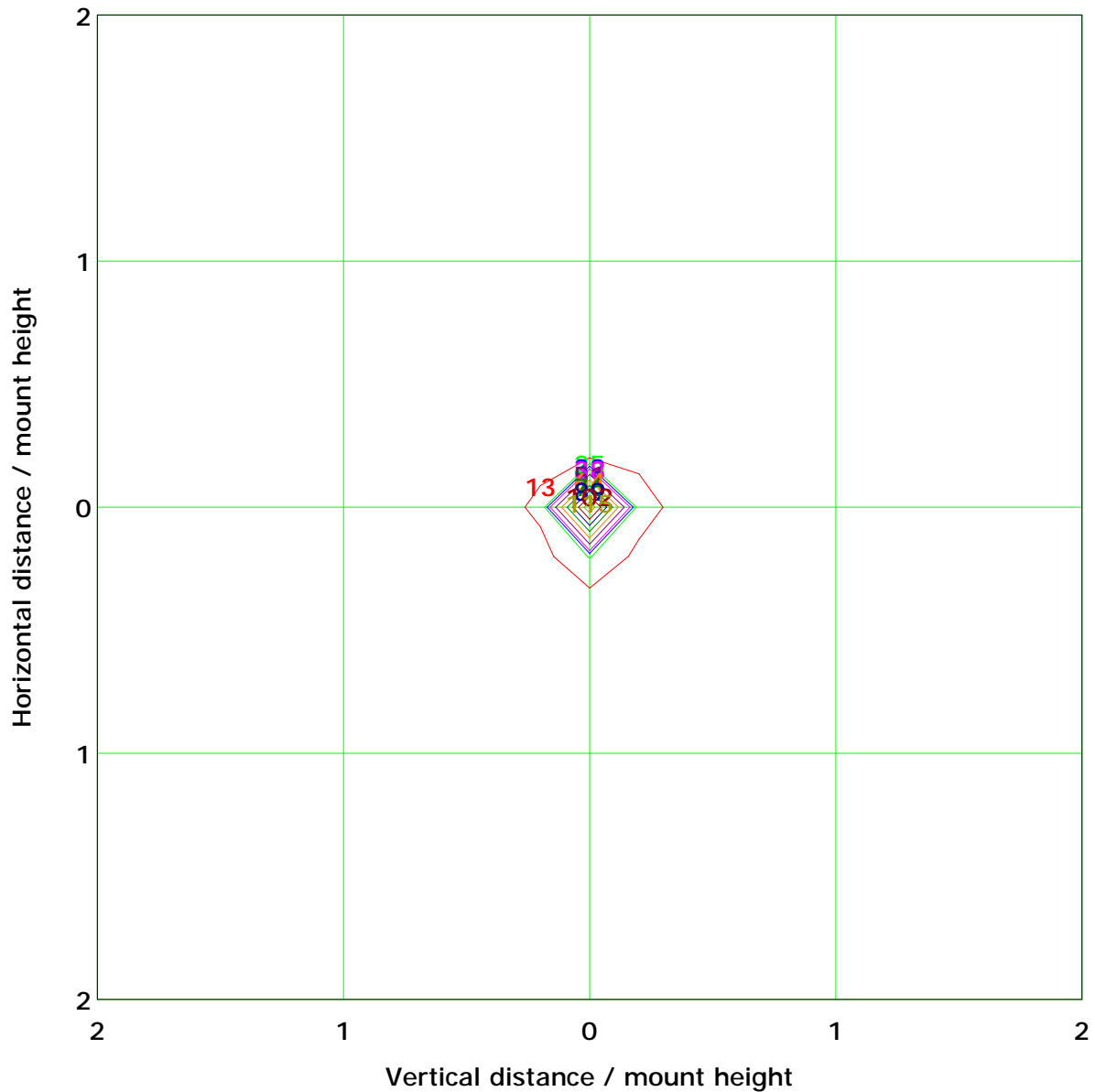
Imax (100%): 3184 cd

( 10%): 318 cd	( 20%): 637 cd
( 25%): 796 cd	( 30%): 955 cd
( 40%): 1273 cd	( 50%): 1592 cd
( 60%): 1910 cd	( 70%): 2229 cd
( 80%): 2547 cd	( 90%): 2865 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%): 127.3 lx	
( 10%): 12.7 lx	( 20%): 25.5 lx
( 25%): 31.8 lx	( 30%): 38.2 lx
( 40%): 50.9 lx	( 50%): 63.6 lx
( 60%): 76.4 lx	( 70%): 89.1 lx
( 80%): 101.8 lx	( 90%): 114.6 lx

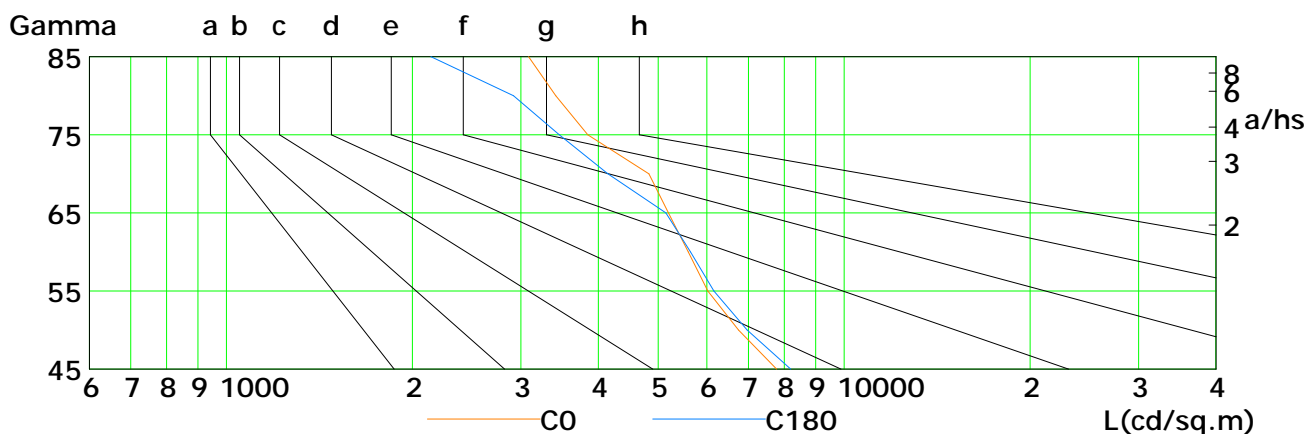
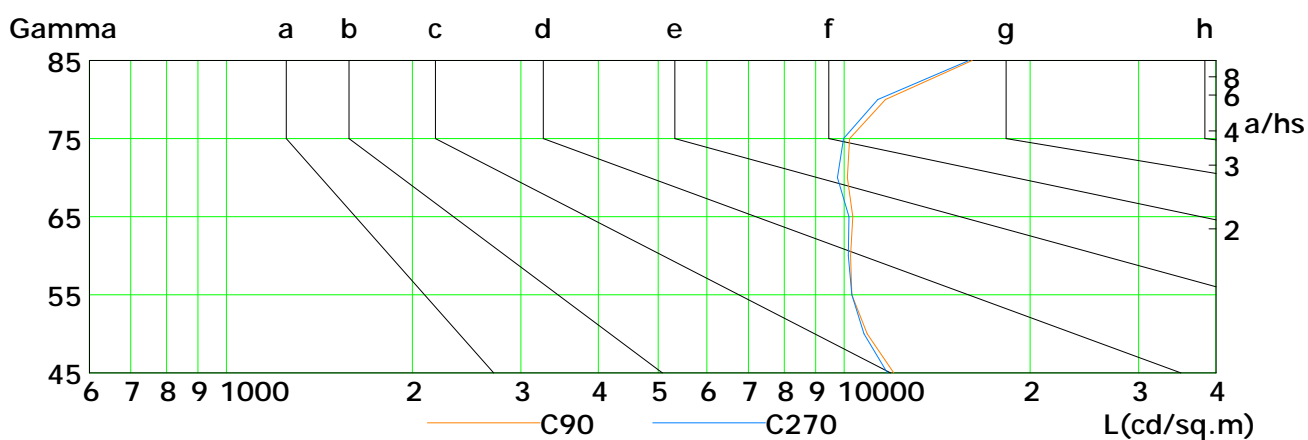
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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

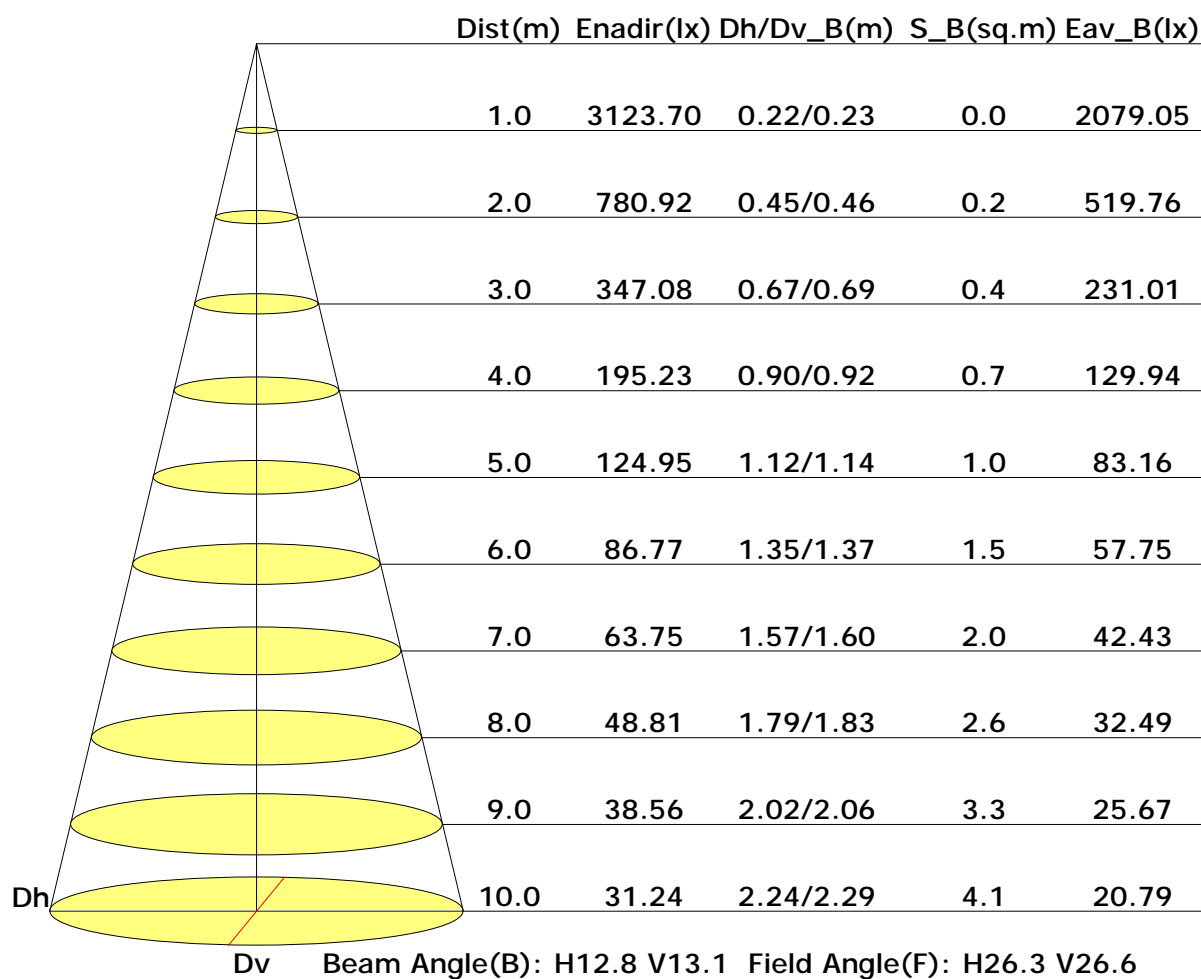


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7777	6752	6020	5598	5195	4831	3848	3415	3085
C90	12031	10902	10292	10250	10332	10127	10211	11672	16129
C180	8197	6968	6155	5645	5145	4149	3459	2916	2143
C270	11756	10768	10292	10166	10184	9763	9980	11346	15938

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

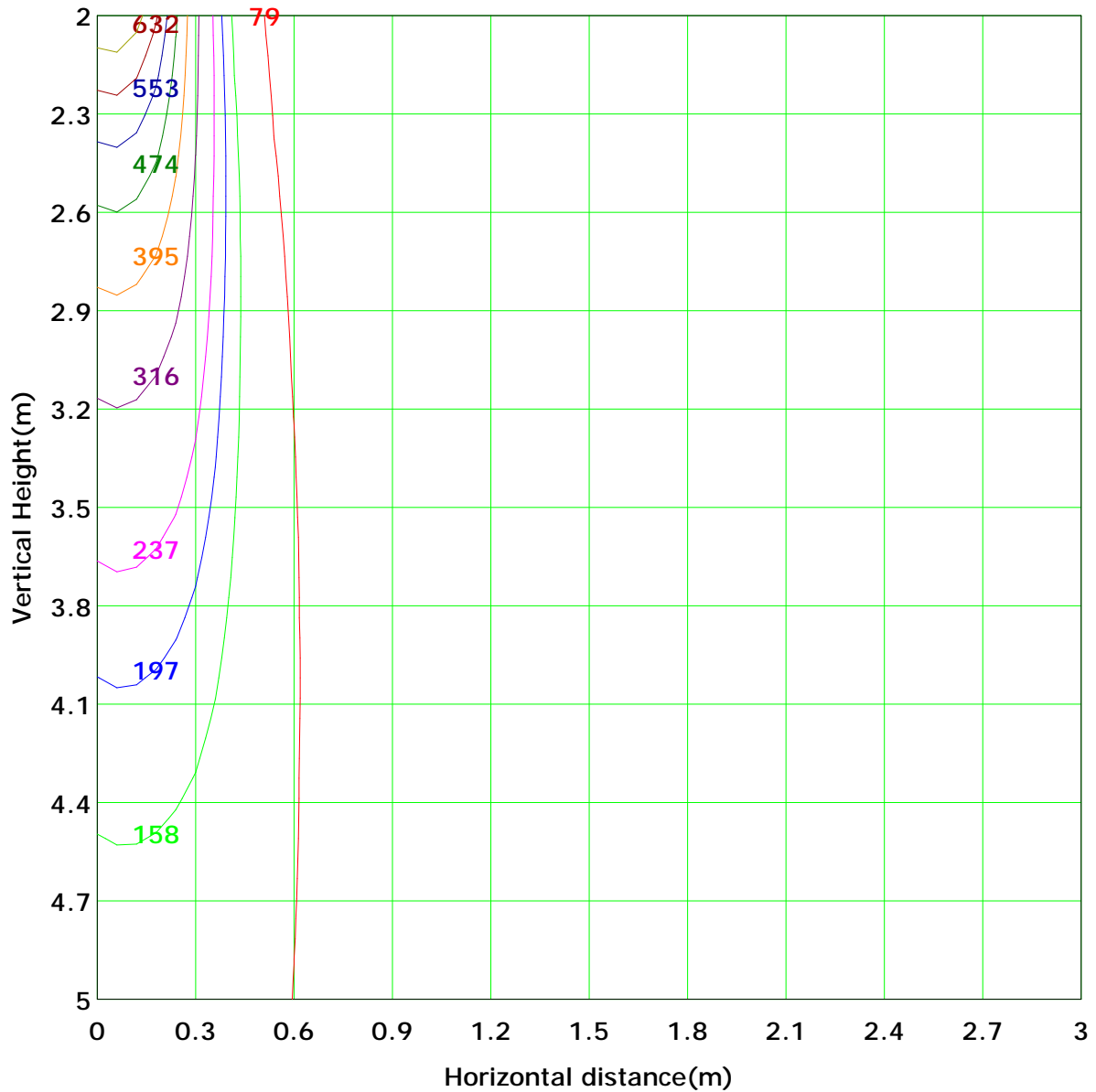


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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: 790.0 lx
( 10%): 79.0 lx	( 20%): 158.0 lx	
( 25%): 197.5 lx	( 30%): 237.0 lx	
( 40%): 316.0 lx	( 50%): 395.0 lx	
( 60%): 474.0 lx	( 70%): 553.0 lx	
( 80%): 632.0 lx	( 90%): 711.0 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:

## Area Flux Table

Unit: lm

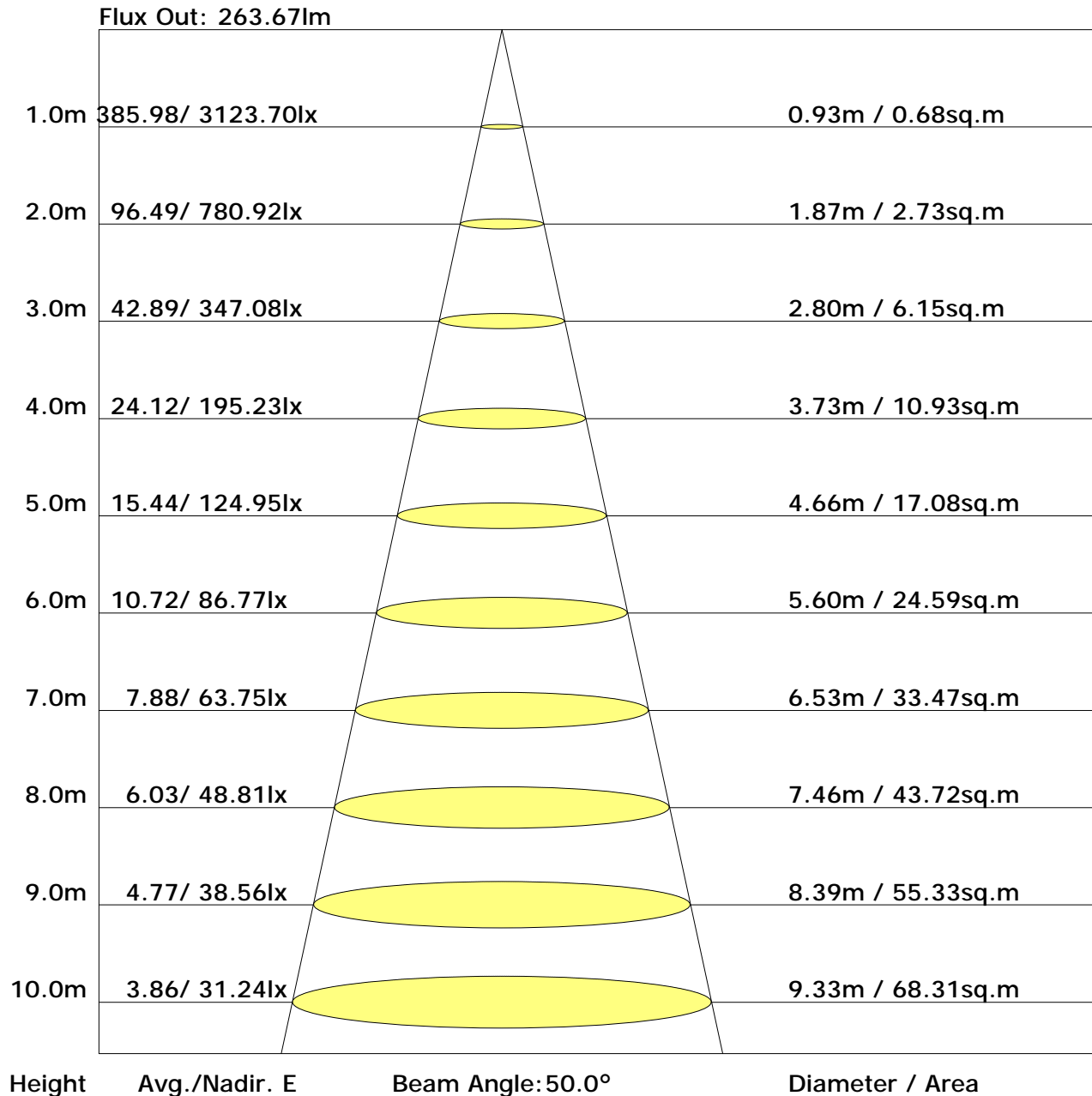
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.0
	-80	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.1	0.0
	-70	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.5	0.4	0.1	0.0
	-60	0.0	0.1	0.3	0.5	0.7	0.9	1.0	1.0	1.2	1.2	1.1	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0
	-50	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.3	1.6	1.7	1.5	1.2	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0
	-40	0.0	0.1	0.3	0.6	0.9	1.3	1.8	2.2	2.6	2.6	2.1	1.6	1.0	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0
	-30	0.0	0.1	0.4	0.7	1.0	1.6	2.4	3.4	4.2	4.2	3.0	2.1	1.4	0.9	0.6	0.5	0.4	0.3	0.2	0.1	0.0
	-20	0.0	0.1	0.4	0.7	1.2	2.0	3.2	5.1	7.5	7.5	4.4	2.7	1.7	1.1	0.7	0.6	0.5	0.4	0.3	0.2	0.1
	-10	0.0	0.1	0.4	0.7	1.2	2.4	4.2	7.2	33.4	38.0	7.8	3.6	2.1	1.2	0.7	0.6	0.5	0.4	0.3	0.2	0.1
	0	0.0	0.1	0.4	0.7	1.3	2.4	4.4	8.0	43.1	47.3	9.0	3.8	2.2	1.2	0.7	0.6	0.5	0.4	0.3	0.2	0.1
	10	0.0	0.1	0.4	0.7	1.2	2.1	3.5	5.4	8.5	8.5	4.9	2.9	1.8	1.1	0.7	0.6	0.5	0.4	0.3	0.2	0.1
	20	0.0	0.1	0.4	0.7	1.1	1.7	2.6	3.5	4.3	4.2	3.2	2.2	1.5	1.0	0.6	0.5	0.4	0.3	0.2	0.1	0.0
	30	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.3	2.7	2.6	2.1	1.7	1.2	0.9	0.6	0.5	0.4	0.3	0.2	0.1	0.0
	40	0.0	0.1	0.3	0.6	0.8	1.1	1.4	1.6	1.8	1.7	1.5	1.3	1.0	0.8	0.5	0.4	0.3	0.2	0.1	0.0	0.0
	50	0.0	0.1	0.3	0.6	0.7	0.9	1.1	1.2	1.2	1.2	1.2	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0
	60	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0
	70	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0
	80	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0
	90	0.4	2.1	5.1	9.2	14.3	21.9	32.2	46.4	116.1	124.3	45.5	28.5	19.7	13.3	8.8	5.2	2.3	0.5		496	183

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



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	18.2	19.3	18.7	19.8	20.3	17.4	18.6	18.0	19.1	19.6
3H	20.5	21.5	21.0	22.0	22.6	19.2	20.3	19.8	20.8	21.3
4H	21.5	22.4	22.0	23.0	23.6	19.9	20.9	20.5	21.4	22.0
6H	22.3	23.2	22.9	23.8	24.4	20.5	21.4	21.1	21.9	22.5
8H	22.8	23.6	23.3	24.2	24.8	20.8	21.6	21.3	22.2	22.8
12H	23.2	24.0	23.8	24.6	25.2	21.0	21.8	21.5	22.3	23.0
X=4H Y=2H	18.6	19.6	19.2	20.1	20.7	18.2	19.1	18.7	19.6	20.2
3H	21.2	22.0	21.7	22.6	23.2	20.2	21.0	20.7	21.6	22.2
4H	22.4	23.1	23.0	23.7	24.3	21.1	21.8	21.7	22.4	23.1
6H	23.4	24.0	24.0	24.6	25.3	21.8	22.5	22.4	23.1	23.7
8H	23.9	24.5	24.5	25.0	25.7	22.1	22.7	22.7	23.3	24.0
12H	24.4	24.9	25.0	25.6	26.2	22.4	22.9	23.0	23.5	24.2
X=8H Y=4H	22.7	23.3	23.3	23.9	24.5	21.6	22.2	22.2	22.8	23.5
6H	23.8	24.3	24.4	24.9	25.6	22.5	23.0	23.1	23.6	24.3
8H	24.4	24.8	25.0	25.5	26.2	22.9	23.3	23.5	24.0	24.6
12H	25.0	25.4	25.7	26.1	26.8	23.3	23.7	23.9	24.3	25.0
X=12H Y=4H	22.7	23.2	23.3	23.9	24.5	21.7	22.2	22.3	22.9	23.5
6H	23.8	24.3	24.5	24.9	25.6	22.6	23.1	23.3	23.7	24.4
8H	24.5	24.9	25.1	25.5	26.3	23.1	23.5	23.7	24.1	24.8

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 = 0.50								
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	0.78	0.85	0.90	0.94	0.99	1.03	1.06	1.09	1.11
	0.30		0.72	0.79	0.84	0.88	0.94	0.98	1.01	1.06	1.08
	0.20		0.67	0.74	0.79	0.84	0.90	0.94	0.98	1.02	1.06
0.50	0.50	0.20	0.75	0.82	0.86	0.90	0.95	0.98	1.00	1.03	1.05
	0.30		0.70	0.77	0.81	0.85	0.91	0.94	0.97	1.00	1.03
	0.20		0.66	0.73	0.78	0.81	0.87	0.91	0.94	0.98	1.01
0.30	0.50	0.20	0.73	0.79	0.83	0.86	0.90	0.93	0.95	0.98	1.00
	0.30		0.69	0.75	0.79	0.82	0.87	0.90	0.93	0.96	0.98
	0.20		0.65	0.71	0.76	0.79	0.84	0.88	0.90	0.94	0.96
0.00	0.00	0.00	0.63	0.68	0.72	0.75	0.79	0.82	0.84	0.87	0.89
Rating: 6W 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 = 0.50								
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	0.77	0.65	0.56	0.49	0.40	0.33	0.29	0.23	0.19
	0.30		0.64	0.55	0.49	0.43	0.36	0.31	0.27	0.21	0.18
	0.20		0.55	0.48	0.43	0.39	0.33	0.28	0.25	0.20	0.17
0.50	0.50	0.20	0.72	0.60	0.52	0.45	0.37	0.34	0.26	0.21	0.17
	0.30		0.61	0.52	0.46	0.41	0.33	0.28	0.25	0.20	0.16
	0.20		0.53	0.46	0.41	0.37	0.31	0.26	0.23	0.19	0.16
0.30	0.50	0.20	0.68	0.56	0.48	0.42	0.34	0.28	0.24	0.19	0.16
	0.30		0.58	0.49	0.43	0.38	0.31	0.26	0.23	0.18	0.15
	0.20		0.51	0.44	0.39	0.35	0.29	0.25	0.22	0.17	0.15
0.00	0.00	0.00	0.36	0.31	0.27	0.24	0.20	0.17	0.15	0.12	0.10
Rating: 6W 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 = 0.50									
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	0.24	0.26	0.27	0.28	0.29	0.30	0.30	0.31	0.32	
	0.30		0.19	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.29	
	0.20		0.15	0.17	0.18	0.20	0.22	0.23	0.25	0.26	0.27	
0.50	0.50	0.20	0.23	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.30	
	0.30		0.18	0.20	0.22	0.23	0.24	0.25	0.26	0.28	0.28	
	0.20		0.15	0.17	0.18	0.19	0.21	0.23	0.24	0.25	0.27	
0.30	0.50	0.20	0.22	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.29	
	0.30		0.18	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.27	
	0.20		0.15	0.16	0.18	0.19	0.21	0.22	0.23	0.25	0.26	
0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	
Rating: 6W 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	3103.9	3.0	3.0	0.54	0.54
1.0-2.0	3020.1	8.7	11.6	1.58	2.13
2.0-3.0	2847.7	13.6	25.3	2.49	4.62
3.0-4.0	2594.9	17.4	42.6	3.18	7.79
4.0-5.0	2278.4	19.6	62.2	3.58	11.38
5.0-6.0	1927.3	20.3	82.5	3.70	15.08
6.0-7.0	1575.9	19.6	102.1	3.58	18.66
7.0-8.0	1250.8	17.9	120.0	3.27	21.93
8.0-9.0	974.2	15.8	135.8	2.89	24.82
9.0-10.0	753.8	13.6	149.4	2.49	27.31
10.0-11.0	586.4	11.7	161.1	2.14	29.45
11.0-12.0	463.6	10.1	171.2	1.85	31.31
12.0-13.0	376.5	8.9	180.2	1.63	32.94
13.0-14.0	317.1	8.1	188.3	1.48	34.43
14.0-15.0	276.3	7.6	195.9	1.39	35.81
15.0-16.0	247.6	7.3	203.1	1.33	37.14
16.0-17.0	226.6	7.1	210.2	1.29	38.43
17.0-18.0	210.0	6.9	217.1	1.27	39.69
18.0-19.0	196.1	6.8	224.0	1.25	40.94
19.0-20.0	184.4	6.8	230.7	1.23	42.18
20.0-21.0	174.4	6.7	237.4	1.22	43.40
21.0-22.0	165.5	6.7	244.1	1.22	44.62
22.0-23.0	157.3	6.6	250.7	1.21	45.82
23.0-24.0	149.6	6.5	257.2	1.20	47.02
24.0-25.0	142.4	6.5	263.7	1.18	48.20
25.0-26.0	135.7	6.4	270.1	1.17	49.37
26.0-27.0	129.3	6.3	276.4	1.16	50.53
27.0-28.0	123.3	6.2	282.6	1.14	51.67
28.0-29.0	117.5	6.1	288.8	1.12	52.80
29.0-30.0	111.9	6.0	294.8	1.10	53.90
30.0-31.0	106.5	5.9	300.8	1.08	54.98
31.0-32.0	101.3	5.8	306.6	1.06	56.05
32.0-33.0	96.3	5.7	312.2	1.04	57.08
33.0-34.0	91.7	5.6	317.8	1.02	58.10
34.0-35.0	87.5	5.4	323.2	0.99	59.09
35.0-36.0	83.6	5.3	328.5	0.97	60.07

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	79.8	5.2	333.8	0.95	61.02
37.0-38.0	76.2	5.1	338.8	0.93	61.95
38.0-39.0	72.7	5.0	343.8	0.91	62.85
39.0-40.0	69.5	4.8	348.7	0.89	63.74
40.0-41.0	66.5	4.7	353.4	0.87	64.61
41.0-42.0	63.8	4.6	358.0	0.85	65.45
42.0-43.0	61.3	4.5	362.6	0.83	66.28
43.0-44.0	59.1	4.5	367.0	0.82	67.10
44.0-45.0	57.1	4.4	371.4	0.80	67.90
45.0-46.0	55.3	4.3	375.7	0.79	68.69
46.0-47.0	53.4	4.2	380.0	0.78	69.47
47.0-48.0	51.6	4.2	384.1	0.76	70.23
48.0-49.0	49.9	4.1	388.3	0.75	70.98
49.0-50.0	48.3	4.0	392.3	0.74	71.72
50.0-51.0	46.7	4.0	396.2	0.72	72.44
51.0-52.0	45.3	3.9	400.1	0.71	73.15
52.0-53.0	43.9	3.8	403.9	0.70	73.85
53.0-54.0	42.7	3.8	407.7	0.69	74.53
54.0-55.0	41.5	3.7	411.4	0.68	75.21
55.0-56.0	40.3	3.6	415.0	0.67	75.88
56.0-57.0	39.2	3.6	418.6	0.66	76.53
57.0-58.0	38.2	3.5	422.2	0.65	77.18
58.0-59.0	37.2	3.5	425.6	0.64	77.81
59.0-60.0	36.2	3.4	429.1	0.63	78.44
60.0-61.0	35.3	3.4	432.4	0.62	79.06
61.0-62.0	34.3	3.3	435.7	0.60	79.66
62.0-63.0	33.3	3.2	439.0	0.59	80.25
63.0-64.0	32.3	3.2	442.1	0.58	80.83
64.0-65.0	31.4	3.1	445.2	0.57	81.40
65.0-66.0	30.4	3.0	448.3	0.55	81.95
66.0-67.0	29.5	3.0	451.2	0.54	82.49
67.0-68.0	28.4	2.9	454.1	0.53	83.02
68.0-69.0	27.3	2.8	456.9	0.51	83.53
69.0-70.0	26.4	2.7	459.6	0.49	84.02
70.0-71.0	25.5	2.6	462.2	0.48	84.51
71.0-72.0	24.7	2.6	464.8	0.47	84.98

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	24.3	2.5	467.4	0.46	85.44
73.0-74.0	23.9	2.5	469.9	0.46	85.90
74.0-75.0	23.3	2.5	472.3	0.45	86.35
75.0-76.0	22.2	2.4	474.7	0.43	86.78
76.0-77.0	20.8	2.2	476.9	0.41	87.19
77.0-78.0	19.2	2.1	479.0	0.38	87.56
78.0-79.0	17.8	1.9	480.9	0.35	87.91
79.0-80.0	16.6	1.8	482.7	0.33	88.24
80.0-81.0	15.6	1.7	484.4	0.31	88.55
81.0-82.0	14.9	1.6	486.0	0.30	88.84
82.0-83.0	14.2	1.5	487.5	0.28	89.13
83.0-84.0	13.5	1.5	489.0	0.27	89.40
84.0-85.0	12.9	1.4	490.4	0.26	89.65
85.0-86.0	12.2	1.3	491.7	0.24	89.90
86.0-87.0	11.6	1.3	493.0	0.23	90.13
87.0-88.0	11.1	1.2	494.2	0.22	90.35
88.0-89.0	10.5	1.2	495.4	0.21	90.56
89.0-90.0	10.0	1.1	496.5	0.20	90.77
90.0-91.0	9.6	1.1	497.5	0.19	90.96
91.0-92.0	9.3	1.0	498.5	0.19	91.14
92.0-93.0	9.0	1.0	499.5	0.18	91.32
93.0-94.0	8.7	1.0	500.5	0.17	91.50
94.0-95.0	8.5	0.9	501.4	0.17	91.67
95.0-96.0	8.3	0.9	502.3	0.17	91.83
96.0-97.0	8.1	0.9	503.2	0.16	91.99
97.0-98.0	8.0	0.9	504.1	0.16	92.15
98.0-99.0	7.8	0.8	504.9	0.15	92.31
99.0-100.0	7.6	0.8	505.7	0.15	92.46
100.0-101.0	7.5	0.8	506.5	0.15	92.61
101.0-102.0	7.5	0.8	507.3	0.15	92.75
102.0-103.0	7.4	0.8	508.1	0.14	92.90
103.0-104.0	7.3	0.8	508.9	0.14	93.04
104.0-105.0	7.3	0.8	509.7	0.14	93.18
105.0-106.0	7.3	0.8	510.5	0.14	93.32
106.0-107.0	7.3	0.8	511.2	0.14	93.46
107.0-108.0	7.3	0.8	512.0	0.14	93.60

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 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	7.3	0.8	512.8	0.14	93.74
109.0-110.0	7.3	0.8	513.5	0.14	93.88
110.0-111.0	7.3	0.8	514.3	0.14	94.02
111.0-112.0	7.3	0.7	515.0	0.14	94.15
112.0-113.0	7.3	0.7	515.8	0.14	94.29
113.0-114.0	7.4	0.7	516.5	0.14	94.43
114.0-115.0	7.4	0.7	517.2	0.13	94.56
115.0-116.0	7.3	0.7	518.0	0.13	94.69
116.0-117.0	7.4	0.7	518.7	0.13	94.83
117.0-118.0	7.4	0.7	519.4	0.13	94.96
118.0-119.0	7.4	0.7	520.1	0.13	95.09
119.0-120.0	7.4	0.7	520.8	0.13	95.22
120.0-121.0	7.4	0.7	521.5	0.13	95.34
121.0-122.0	7.4	0.7	522.2	0.13	95.47
122.0-123.0	7.4	0.7	522.9	0.13	95.59
123.0-124.0	7.4	0.7	523.6	0.12	95.72
124.0-125.0	7.5	0.7	524.2	0.12	95.84
125.0-126.0	7.5	0.7	524.9	0.12	95.96
126.0-127.0	7.5	0.7	525.6	0.12	96.08
127.0-128.0	7.5	0.7	526.2	0.12	96.20
128.0-129.0	7.5	0.6	526.9	0.12	96.32
129.0-130.0	7.5	0.6	527.5	0.12	96.44
130.0-131.0	7.6	0.6	528.1	0.12	96.56
131.0-132.0	7.6	0.6	528.8	0.11	96.67
132.0-133.0	7.7	0.6	529.4	0.11	96.78
133.0-134.0	7.8	0.6	530.0	0.11	96.90
134.0-135.0	7.8	0.6	530.6	0.11	97.01
135.0-136.0	7.8	0.6	531.2	0.11	97.12
136.0-137.0	7.9	0.6	531.8	0.11	97.23
137.0-138.0	7.9	0.6	532.4	0.11	97.33
138.0-139.0	8.0	0.6	533.0	0.11	97.44
139.0-140.0	8.1	0.6	533.6	0.11	97.55
140.0-141.0	8.2	0.6	534.1	0.10	97.65
141.0-142.0	8.3	0.6	534.7	0.10	97.75
142.0-143.0	8.3	0.6	535.3	0.10	97.86
143.0-144.0	8.5	0.6	535.8	0.10	97.96

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	8.6	0.5	536.4	0.10	98.06
145.0-146.0	8.7	0.5	536.9	0.10	98.15
146.0-147.0	8.8	0.5	537.4	0.10	98.25
147.0-148.0	8.9	0.5	537.9	0.10	98.35
148.0-149.0	8.9	0.5	538.5	0.09	98.44
149.0-150.0	9.0	0.5	539.0	0.09	98.53
150.0-151.0	9.0	0.5	539.4	0.09	98.62
151.0-152.0	9.1	0.5	539.9	0.09	98.71
152.0-153.0	9.2	0.5	540.4	0.09	98.79
153.0-154.0	9.3	0.5	540.8	0.08	98.88
154.0-155.0	9.3	0.4	541.3	0.08	98.96
155.0-156.0	9.4	0.4	541.7	0.08	99.04
156.0-157.0	9.5	0.4	542.1	0.08	99.11
157.0-158.0	9.5	0.4	542.5	0.07	99.18
158.0-159.0	9.6	0.4	542.9	0.07	99.25
159.0-160.0	9.7	0.4	543.3	0.07	99.32
160.0-161.0	9.8	0.4	543.6	0.07	99.39
161.0-162.0	9.8	0.3	544.0	0.06	99.45
162.0-163.0	9.8	0.3	544.3	0.06	99.51
163.0-164.0	9.8	0.3	544.6	0.06	99.57
164.0-165.0	9.9	0.3	544.9	0.05	99.62
165.0-166.0	9.8	0.3	545.2	0.05	99.67
166.0-167.0	9.8	0.3	545.4	0.05	99.71
167.0-168.0	9.8	0.2	545.7	0.04	99.76
168.0-169.0	9.8	0.2	545.9	0.04	99.80
169.0-170.0	9.8	0.2	546.1	0.04	99.83
170.0-171.0	9.8	0.2	546.2	0.03	99.86
171.0-172.0	9.7	0.2	546.4	0.03	99.89
172.0-173.0	9.7	0.1	546.5	0.03	99.92
173.0-174.0	9.7	0.1	546.7	0.02	99.94
174.0-175.0	9.7	0.1	546.8	0.02	99.96
175.0-176.0	9.6	0.1	546.8	0.02	99.97
176.0-177.0	9.5	0.1	546.9	0.01	99.99
177.0-178.0	9.4	0.0	547.0	0.01	99.99
178.0-179.0	9.3	0.0	547.0	0.00	100.00
179.0-180.0	9.4	0.0	547.0	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: