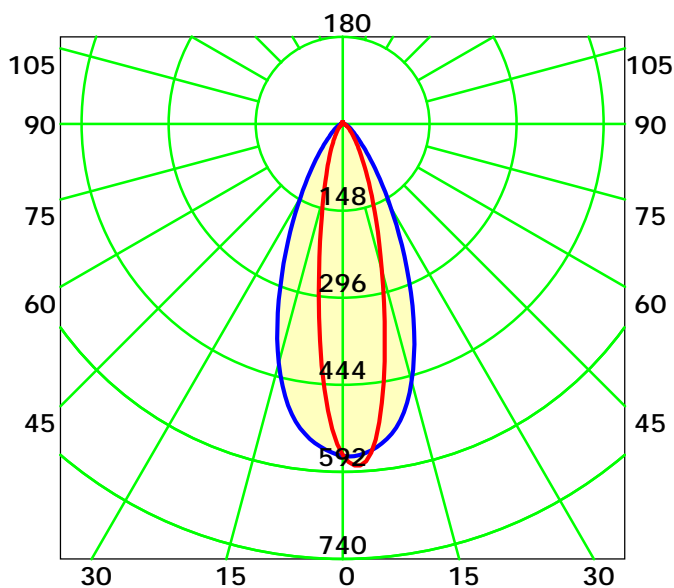
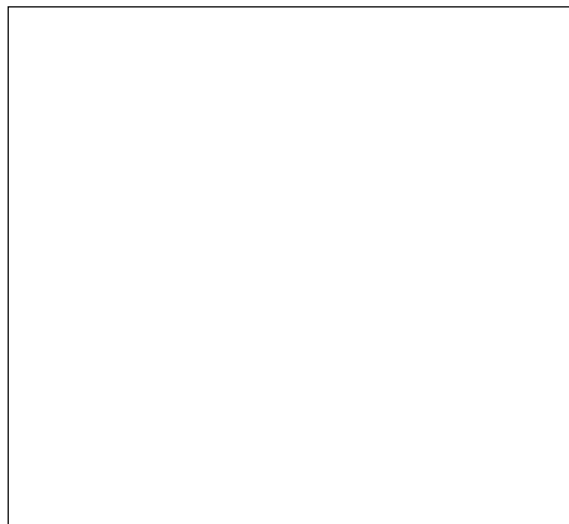


Test Time: 2023/2/21 15:22

**Luminaire Description:** 20x45  
**Luminous Length (mm):** 270  
**Luminous Height (mm):** 20  
**Current:** 0.080 A  
**Power Factor:** 0.392

CIE Class: Direct	Total Rated Lamp Lumens: 277.2 lm
Measurement Flux: 277.2 lm	Efficiency: 100%
Downward Ratio: 95%	Upward Ratio: 5%
Horizontal Diffuse Angle(10%,50%): H81.6,H45.1	
Vertical Diffuse Angle(10%,50%): V54,V22.1	
Luminaire Efficacy Rating (LER): 41	Central Intensity: 564.56 cd
Max. Intensity: 587.39 cd	Pos of Max. Intensity: H150 V2

### Luminous Intensity Distribution Curve

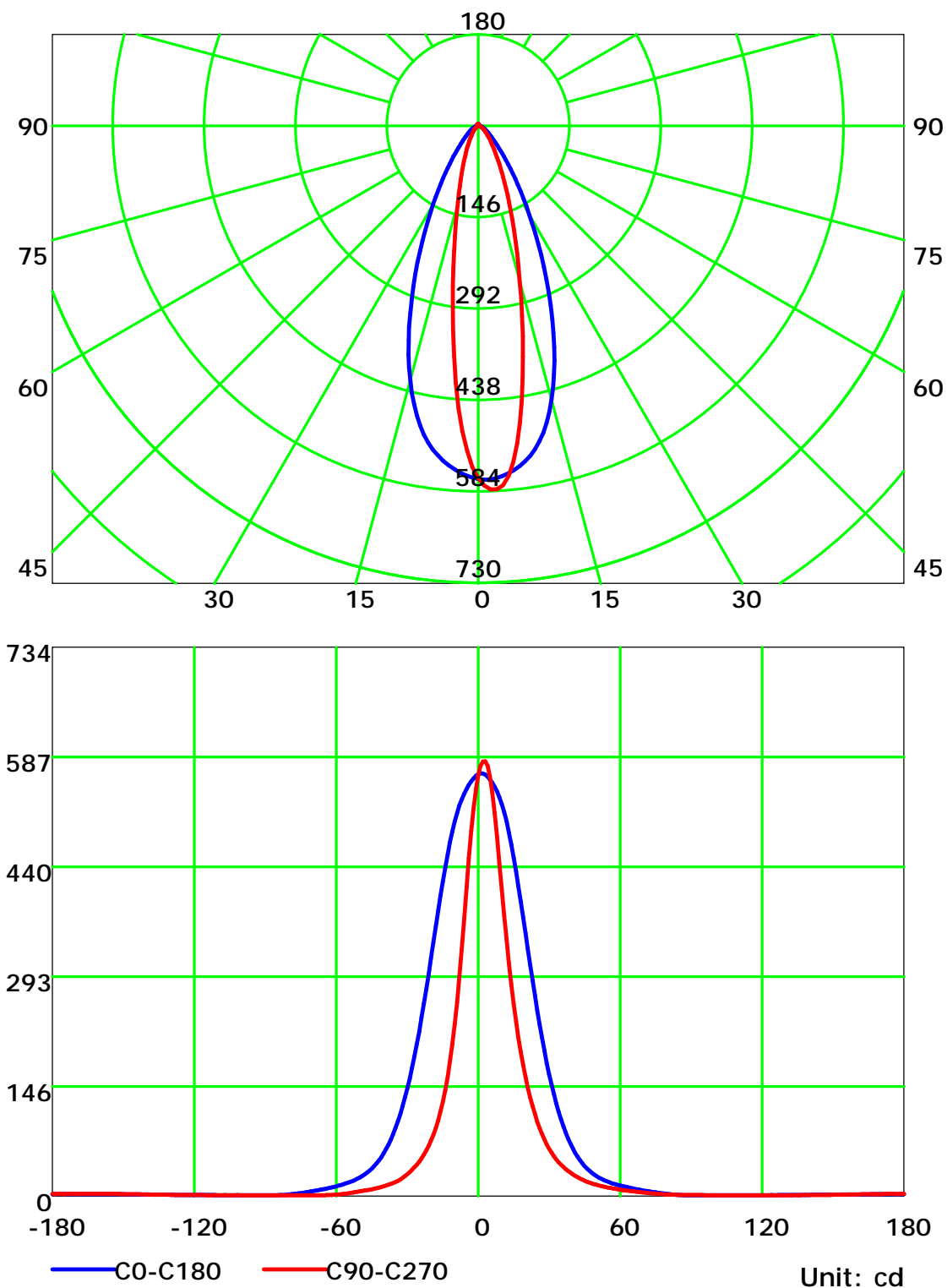


Average Diffuse Angle(50%): 33.6° Unit: cd

— C0-C180    — C90-C270

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

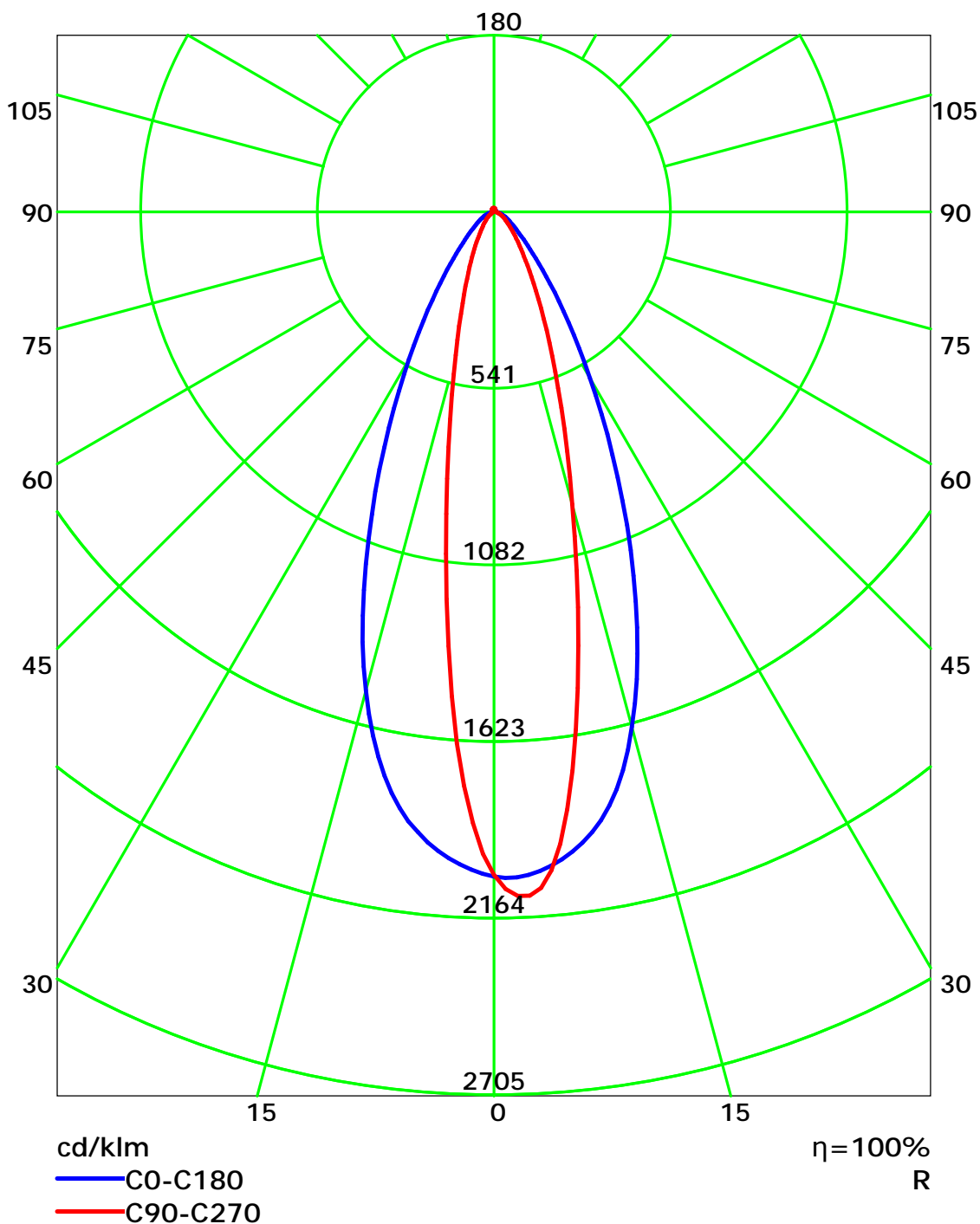
## Luminous Intensity Distribution Curve



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

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: Jacky

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

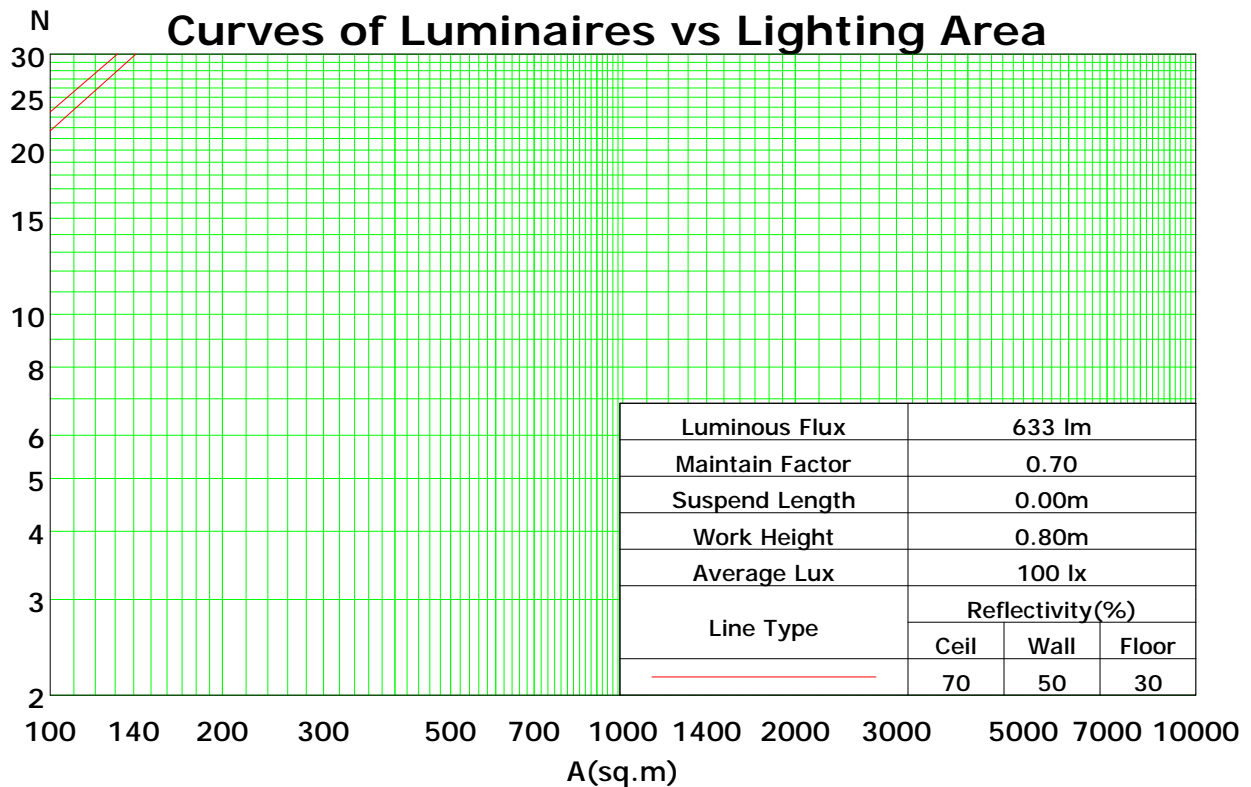
## Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	112	109	106	103	109	106	104	101	101	99	97	97	95	94	92	91	90	88
2	106	100	96	92	103	98	94	91	94	91	88	91	88	86	87	85	83	81
3	100	93	88	84	98	92	87	83	88	84	81	85	82	79	82	80	77	76
4	95	87	81	77	93	86	80	76	83	79	75	80	77	74	78	75	72	71
5	90	82	76	71	88	81	75	71	78	74	70	76	72	69	74	71	68	66
6	86	77	71	67	84	76	70	66	74	69	65	72	68	65	70	67	64	62
7	82	73	67	63	81	72	66	62	70	65	62	69	64	61	67	63	60	59
8	79	69	63	59	77	68	63	59	67	62	58	65	61	58	64	60	57	56
9	75	66	60	56	74	65	59	56	64	59	55	63	58	55	61	57	54	53
10	72	63	57	53	71	62	57	53	61	56	53	60	55	52	59	55	52	51

Spacing Criteria (0-180): 0.72

Spacing Criteria (90-270): 0.38

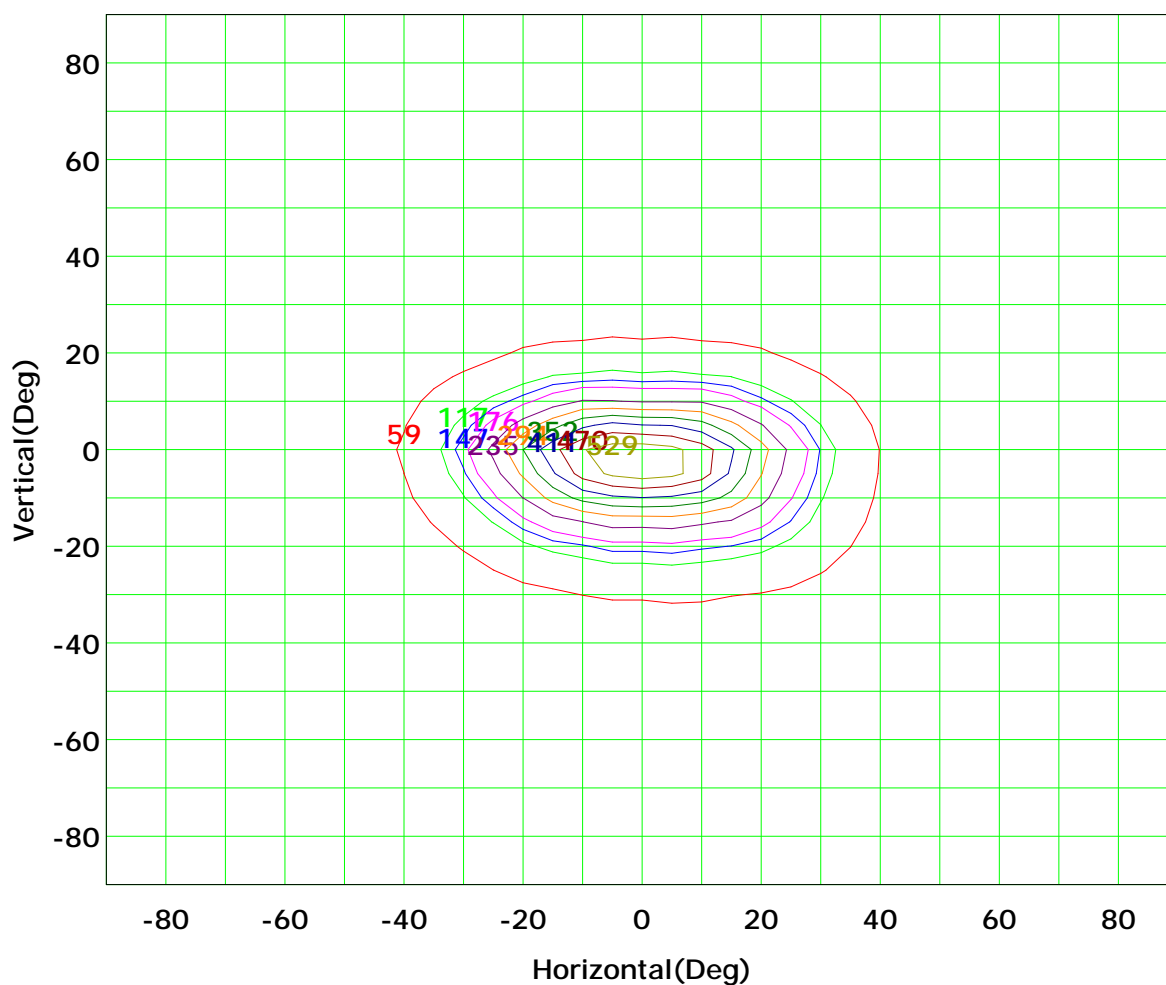
Spacing Criteria (Diagonal): 0.53



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

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

## Isocandela (rectangle)



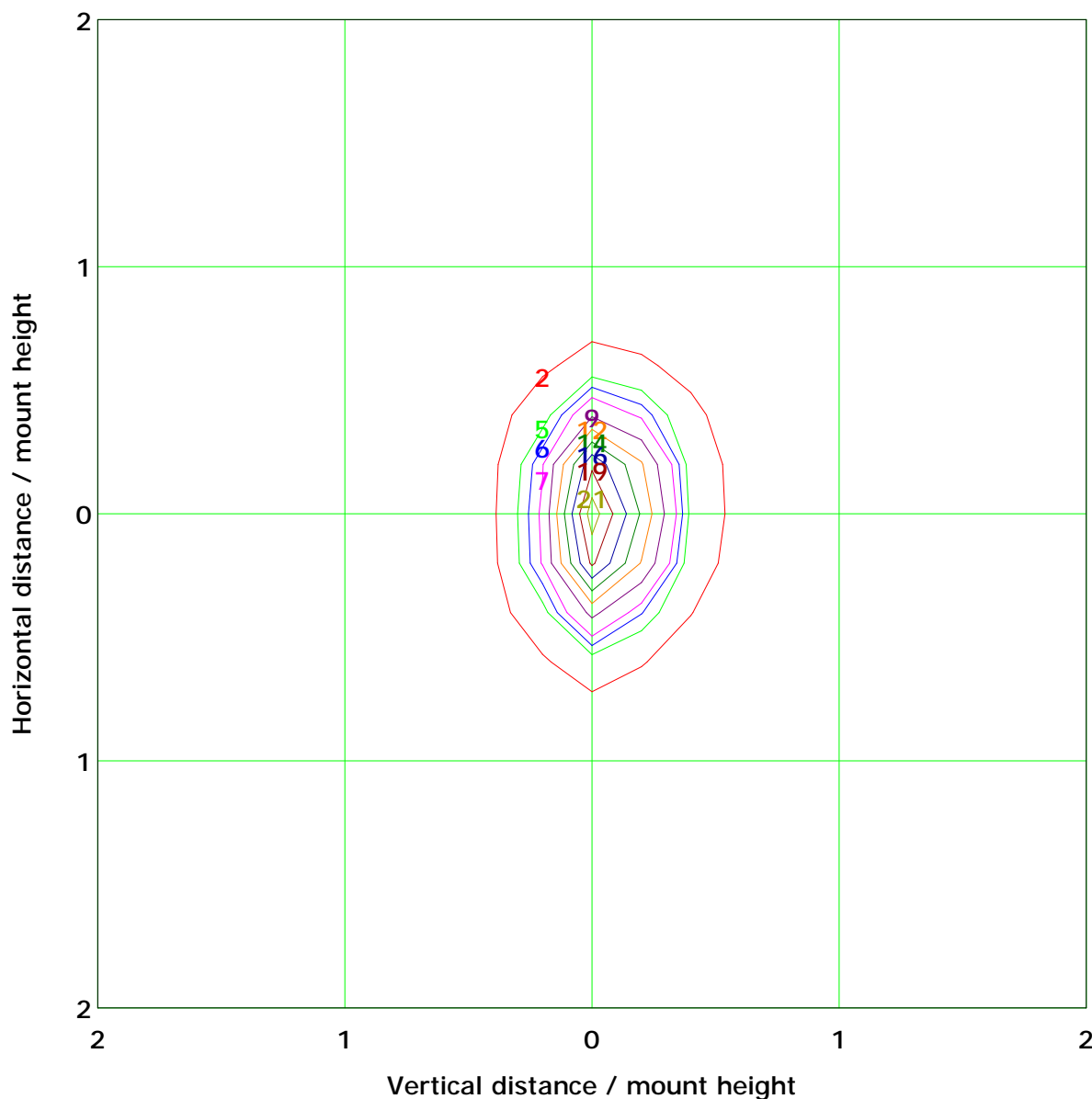
I<sub>max</sub> (100%): 587 cd

( 10%): 59 cd	( 20%): 117 cd
( 25%): 147 cd	( 30%): 176 cd
( 40%): 235 cd	( 50%): 294 cd
( 60%): 352 cd	( 70%): 411 cd
( 80%): 470 cd	( 90%): 529 cd

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

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%): 23.5 lx	
( 10%):	2.3 lx	( 20%):	4.7 lx
( 25%):	5.9 lx	( 30%):	7.0 lx
( 40%):	9.4 lx	( 50%):	11.7 lx
( 60%):	14.1 lx	( 70%):	16.4 lx
( 80%):	18.8 lx	( 90%):	21.1 lx

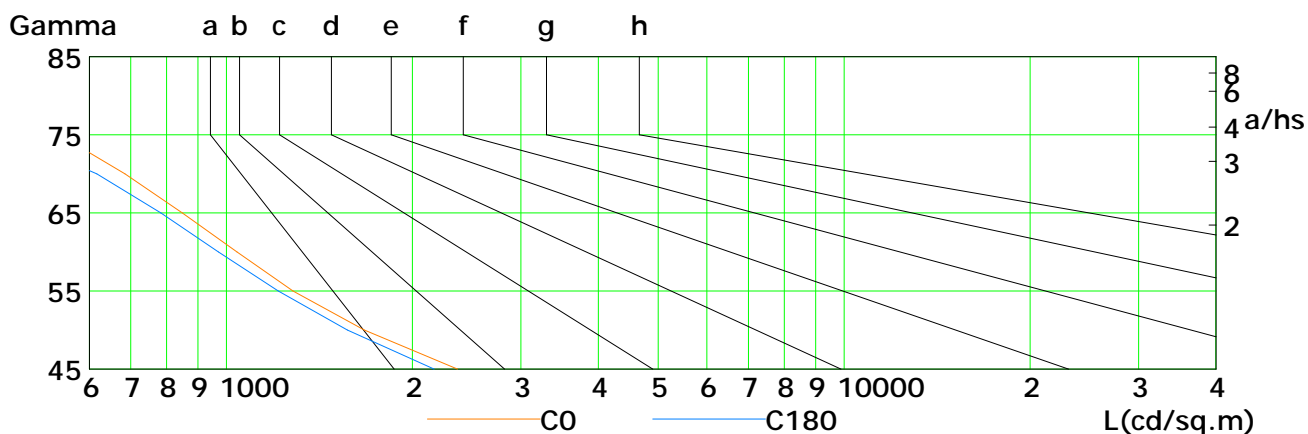
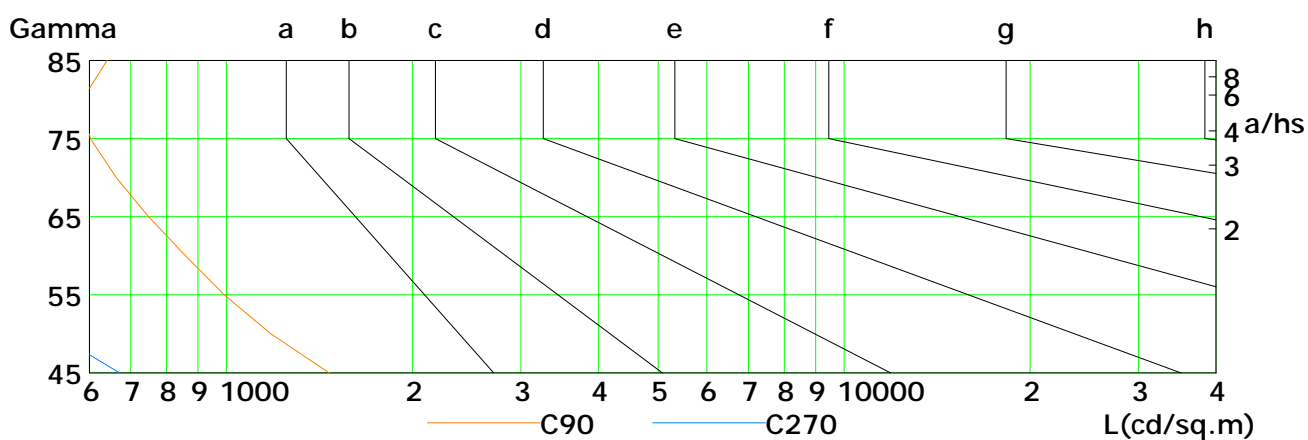
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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



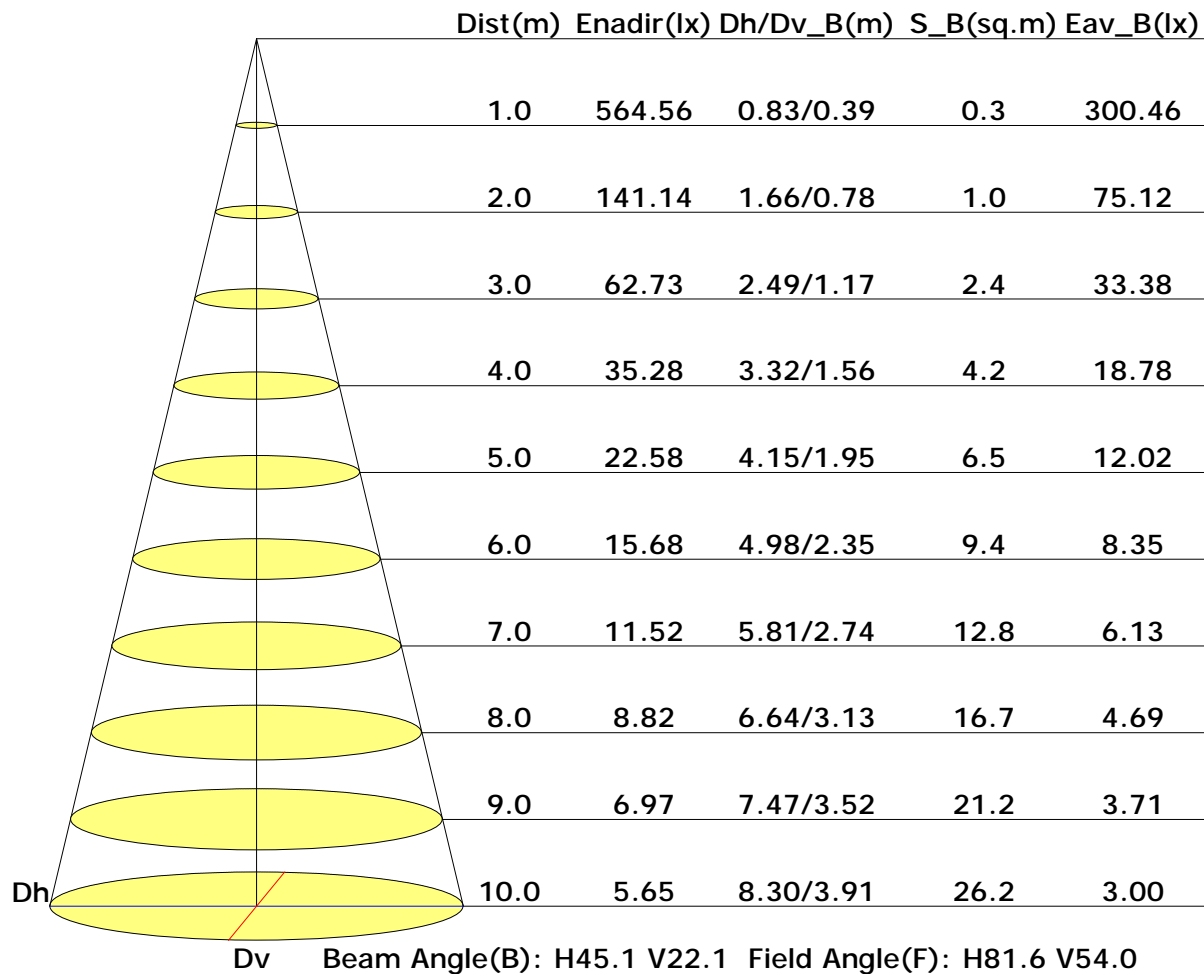
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2369	1673	1281	1041	849	686	537	391	285
C90	1466	1181	992	859	749	663	602	584	641
C180	2170	1571	1214	971	783	617	450	299	239
C270	672	529	359	234	191	220	269	358	549

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

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



## Illuminance at a Distance

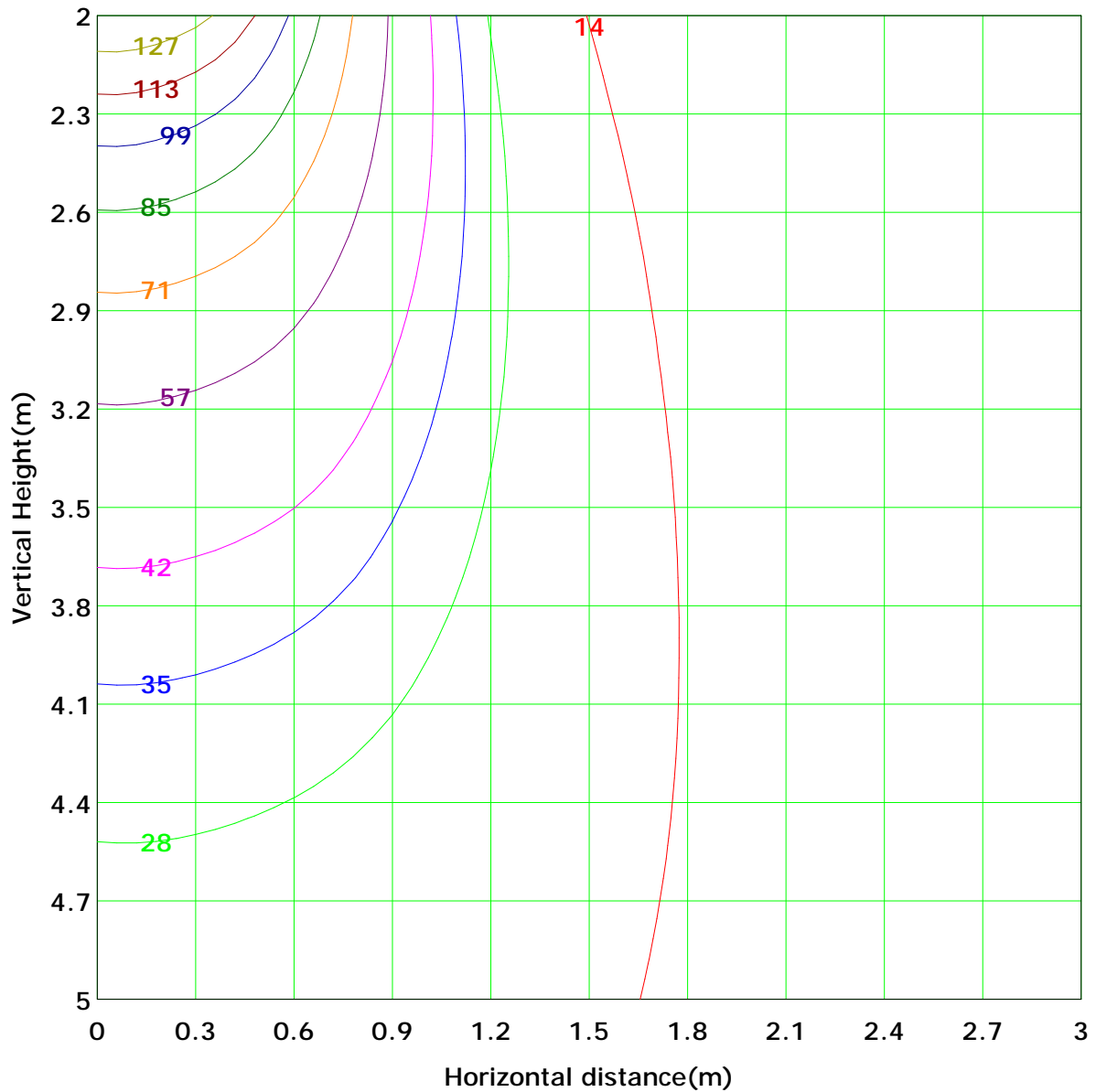


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 141.3 lx
( 10%): 14.1 lx	( 20%): 28.3 lx	
( 25%): 35.3 lx	( 30%): 42.4 lx	
( 40%): 56.5 lx	( 50%): 70.6 lx	
( 60%): 84.8 lx	( 70%): 98.9 lx	
( 80%): 113.0 lx	( 90%): 127.2 lx	

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

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

## Area Flux Table

Unit: lm

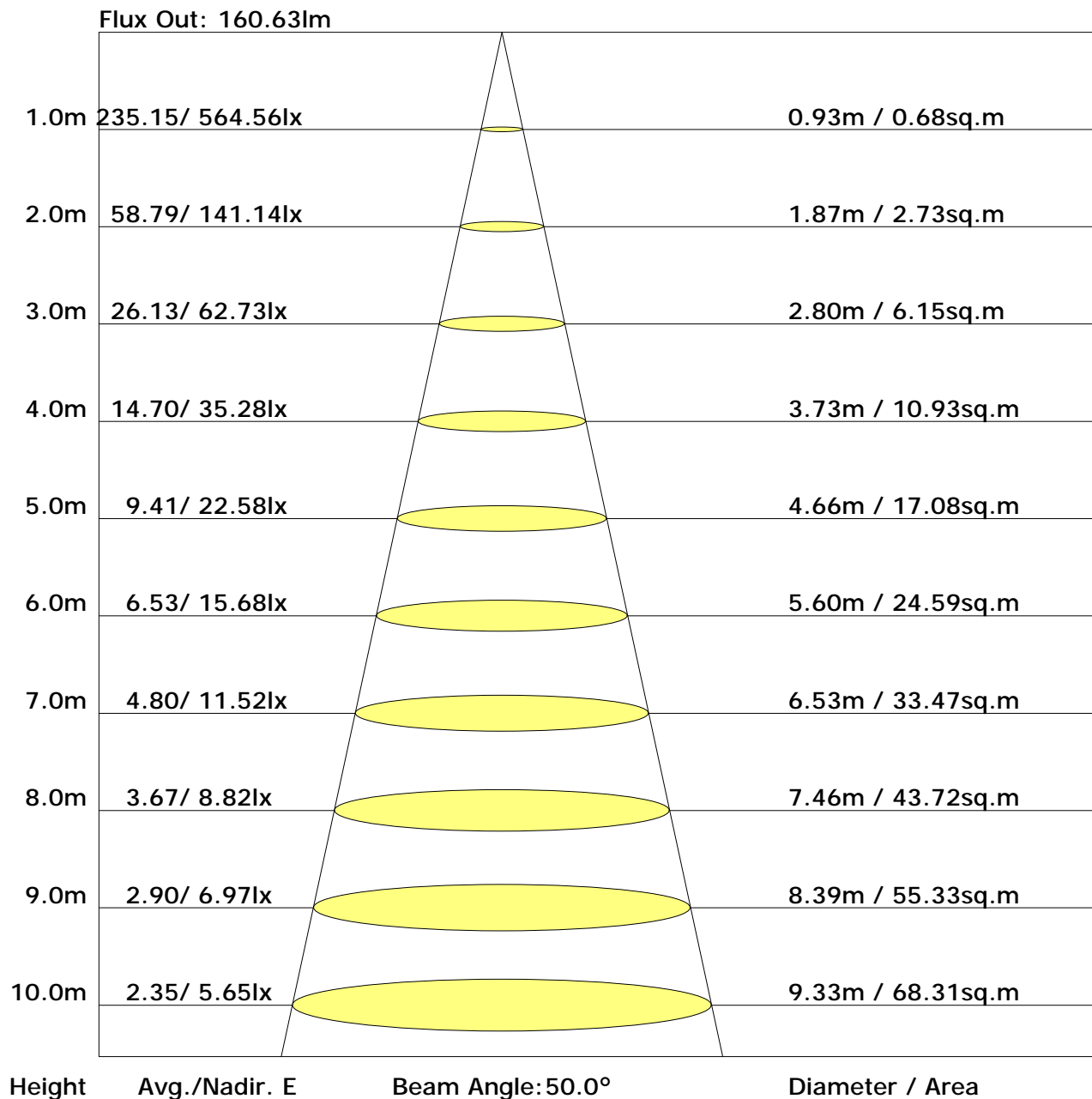
Vertical plane	Horizontal plane																		Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80		
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-50	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0
-40	0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0
-30	0.0	0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.5	1.5	1.3	1.0	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0
-20	0.0	0.0	0.1	0.3	0.6	1.2	2.2	3.5	4.1	4.2	3.7	2.3	1.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0
-10	0.0	0.0	0.1	0.3	0.8	2.0	4.8	9.1	12.1	12.5	9.7	5.3	2.2	0.8	0.3	0.1	0.0	0.0	0.0	0.0
0	0.0	0.0	0.1	0.3	0.8	2.3	5.8	11.5	15.7	15.6	11.6	5.9	2.4	0.9	0.3	0.1	0.0	0.0	0.0	0.0
10	0.0	0.0	0.1	0.3	0.7	1.8	4.0	6.7	8.1	7.9	6.2	3.4	1.6	0.7	0.3	0.1	0.0	0.0	0.0	0.0
20	0.0	0.0	0.1	0.3	0.6	1.2	2.1	2.8	3.2	3.1	2.5	1.7	0.9	0.5	0.3	0.1	0.0	0.0	0.0	0.0
30	0.0	0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.4	1.3	1.1	0.8	0.6	0.4	0.2	0.1	0.0	0.0	0.0	0.0
40	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
50	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.1	0.4	1.3	2.8	5.7	11.8	23.2	38.8	48.7	48.9	38.4	22.6	11.3	5.5	2.7	1.3	0.5	0.1	0.0	0.0
Flux(T)	0.0	0.0	0.0	0.0	0.0	6.0	18.4	34.0	44.0	44.1	33.7	17.7	5.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Flux(E)	0.0	0.0	0.0	0.0	0.0	6.0	18.4	34.0	44.0	44.1	33.7	17.7	5.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
																			264	204
																			0.7	0.0
																			1.2	0.0
																			3.4	0.0
																			5.5	0.0
																			9.7	0.5
																			19.4	14.4
																			42.1	38.8
																			73.5	70.7
																			60.3	57.4
																			24.5	20.3
																			10.5	1.8
																			2.8	0.0
																			1.5	0.0
																			0.7	0.0
																			0.6	0.0
																			0.6	0.0

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

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: Jacky

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	13.1	14.1	13.5	14.5	14.9	11.1	12.1	11.5	12.6	13.0
3H	14.5	15.4	14.9	15.8	16.3	12.2	13.1	12.7	13.6	14.0
4H	15.0	15.8	15.5	16.3	16.8	12.6	13.5	13.1	13.9	14.4
6H	15.3	16.1	15.8	16.6	17.1	12.9	13.7	13.4	14.2	14.7
8H	15.5	16.2	16.0	16.7	17.2	13.0	13.8	13.5	14.2	14.8
12H	15.6	16.3	16.1	16.8	17.3	13.1	13.8	13.6	14.3	14.8
X=4H Y=2H	13.1	13.9	13.6	14.4	14.9	11.7	12.6	12.2	13.1	13.6
3H	14.6	15.3	15.1	15.8	16.4	13.0	13.7	13.5	14.2	14.7
4H	15.2	15.9	15.7	16.4	16.9	13.5	14.1	14.0	14.6	15.2
6H	15.7	16.3	16.3	16.8	17.4	13.9	14.4	14.4	14.9	15.5
8H	15.9	16.4	16.4	16.9	17.5	14.0	14.5	14.6	15.0	15.6
12H	16.1	16.5	16.6	17.1	17.7	14.1	14.6	14.7	15.2	15.7
X=8H Y=4H	15.2	15.7	15.7	16.2	16.8	13.7	14.3	14.3	14.8	15.4
6H	15.7	16.2	16.3	16.7	17.3	14.2	14.6	14.8	15.2	15.8
8H	16.0	16.4	16.6	17.0	17.6	14.5	14.8	15.1	15.4	16.0
12H	16.3	16.6	16.9	17.2	17.8	14.7	15.0	15.3	15.6	16.3
X=12H Y=4H	15.2	15.6	15.7	16.2	16.8	13.8	14.2	14.3	14.8	15.4
6H	15.7	16.1	16.3	16.7	17.3	14.3	14.7	14.9	15.2	15.9
8H	16.0	16.3	16.6	16.9	17.6	14.6	14.9	15.2	15.5	16.1

Calculate in accordance with CIE 190:2010

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

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 = 0.75								
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	0.81	0.87	0.92	0.95	0.99	1.02	1.04	1.07	1.09
	0.30		0.76	0.83	0.87	0.91	0.96	0.99	1.01	1.04	1.07
	0.20		0.72	0.79	0.84	0.87	0.92	0.96	0.99	1.02	1.05
0.50	0.50	0.20	0.79	0.85	0.89	0.92	0.96	0.98	1.00	1.02	1.04
	0.30		0.75	0.81	0.85	0.88	0.93	0.96	0.98	1.00	1.02
	0.20		0.72	0.78	0.82	0.85	0.90	0.93	0.95	0.99	1.00
0.30	0.50	0.20	0.78	0.83	0.87	0.89	0.93	0.95	0.96	0.98	0.99
	0.30		0.74	0.80	0.83	0.86	0.90	0.92	0.94	0.96	0.98
	0.20		0.71	0.77	0.81	0.84	0.88	0.91	0.92	0.95	0.97
0.00	0.00	0.00	0.69	0.74	0.78	0.80	0.84	0.86	0.88	0.90	0.91
Rating: 7W 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 = 0.75								
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	0.63	0.51	0.43	0.38	0.30	0.25	0.21	0.17	0.14
	0.30		0.52	0.44	0.38	0.33	0.27	0.23	0.20	0.16	0.13
	0.20		0.45	0.38	0.34	0.30	0.25	0.21	0.18	0.15	0.12
0.50	0.50	0.20	0.59	0.48	0.40	0.35	0.28	0.27	0.19	0.15	0.12
	0.30		0.50	0.41	0.36	0.31	0.25	0.21	0.18	0.14	0.12
	0.20		0.43	0.37	0.32	0.28	0.23	0.20	0.17	0.14	0.11
0.30	0.50	0.20	0.56	0.45	0.37	0.32	0.25	0.21	0.18	0.14	0.11
	0.30		0.47	0.39	0.33	0.29	0.23	0.20	0.17	0.13	0.11
	0.20		0.42	0.35	0.30	0.27	0.22	0.18	0.16	0.12	0.10
0.00	0.00	0.00	0.28	0.22	0.19	0.16	0.13	0.11	0.09	0.07	0.06
Rating: 7W 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 = 0.75								
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	0.18	0.19	0.21	0.21	0.23	0.24	0.24	0.25	0.26
	0.30		0.14	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.12	0.14	0.15	0.17	0.19	0.20	0.21	0.22
0.50	0.50	0.20	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.23
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.22
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Rating: 7W 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	566.3	0.5	0.5	0.20	0.20
1.0-2.0	562.6	1.6	2.2	0.58	0.78
2.0-3.0	555.3	2.7	4.8	0.96	1.74
3.0-4.0	544.6	3.6	8.5	1.32	3.05
4.0-5.0	530.5	4.6	13.0	1.65	4.70
5.0-6.0	513.2	5.4	18.4	1.95	6.64
6.0-7.0	493.1	6.1	24.5	2.21	8.85
7.0-8.0	471.0	6.7	31.3	2.43	11.28
8.0-9.0	447.6	7.3	38.5	2.62	13.90
9.0-10.0	423.4	7.7	46.2	2.76	16.67
10.0-11.0	398.9	8.0	54.2	2.88	19.54
11.0-12.0	374.4	8.2	62.4	2.95	22.49
12.0-13.0	350.4	8.3	70.7	3.00	25.50
13.0-14.0	326.9	8.4	79.0	3.02	28.51
14.0-15.0	304.0	8.3	87.4	3.01	31.53
15.0-16.0	282.2	8.3	95.7	2.98	34.51
16.0-17.0	261.7	8.2	103.8	2.94	37.45
17.0-18.0	242.1	8.0	111.8	2.88	40.33
18.0-19.0	223.4	7.8	119.6	2.80	43.13
19.0-20.0	205.9	7.5	127.1	2.72	45.85
20.0-21.0	189.5	7.3	134.4	2.63	48.48
21.0-22.0	174.2	7.0	141.4	2.53	51.00
22.0-23.0	160.0	6.7	148.1	2.42	53.42
23.0-24.0	146.9	6.4	154.5	2.32	55.74
24.0-25.0	134.5	6.1	160.6	2.21	57.95
25.0-26.0	123.2	5.8	166.5	2.10	60.05
26.0-27.0	112.9	5.5	172.0	1.99	62.04
27.0-28.0	103.3	5.2	177.2	1.89	63.93
28.0-29.0	94.5	4.9	182.2	1.78	65.71
29.0-30.0	86.5	4.7	186.8	1.69	67.40
30.0-31.0	79.2	4.4	191.2	1.59	68.99
31.0-32.0	72.6	4.2	195.4	1.50	70.49
32.0-33.0	66.5	3.9	199.3	1.41	71.90
33.0-34.0	60.9	3.7	203.0	1.33	73.23
34.0-35.0	55.9	3.5	206.5	1.25	74.48
35.0-36.0	51.3	3.3	209.7	1.18	75.66

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

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	47.2	3.1	212.8	1.11	76.77
37.0-38.0	43.5	2.9	215.7	1.05	77.82
38.0-39.0	40.1	2.7	218.5	0.99	78.81
39.0-40.0	37.0	2.6	221.0	0.93	79.74
40.0-41.0	34.2	2.4	223.5	0.88	80.62
41.0-42.0	31.6	2.3	225.8	0.83	81.44
42.0-43.0	29.3	2.2	227.9	0.78	82.23
43.0-44.0	27.2	2.1	230.0	0.74	82.97
44.0-45.0	25.2	1.9	231.9	0.70	83.67
45.0-46.0	23.5	1.8	233.8	0.66	84.33
46.0-47.0	21.9	1.7	235.5	0.63	84.96
47.0-48.0	20.4	1.7	237.2	0.60	85.55
48.0-49.0	19.1	1.6	238.7	0.56	86.12
49.0-50.0	17.8	1.5	240.2	0.54	86.66
50.0-51.0	16.7	1.4	241.6	0.51	87.17
51.0-52.0	15.7	1.3	243.0	0.48	87.65
52.0-53.0	14.7	1.3	244.2	0.46	88.11
53.0-54.0	13.8	1.2	245.5	0.44	88.55
54.0-55.0	13.0	1.2	246.6	0.42	88.97
55.0-56.0	12.2	1.1	247.7	0.40	89.37
56.0-57.0	11.4	1.0	248.8	0.38	89.74
57.0-58.0	10.8	1.0	249.8	0.36	90.10
58.0-59.0	10.1	0.9	250.7	0.34	90.44
59.0-60.0	9.5	0.9	251.6	0.32	90.77
60.0-61.0	8.9	0.9	252.5	0.31	91.08
61.0-62.0	8.4	0.8	253.3	0.29	91.37
62.0-63.0	7.9	0.8	254.0	0.28	91.64
63.0-64.0	7.4	0.7	254.8	0.26	91.91
64.0-65.0	7.0	0.7	255.5	0.25	92.16
65.0-66.0	6.6	0.7	256.1	0.24	92.39
66.0-67.0	6.2	0.6	256.7	0.22	92.62
67.0-68.0	5.8	0.6	257.3	0.21	92.83
68.0-69.0	5.5	0.6	257.9	0.20	93.03
69.0-70.0	5.1	0.5	258.4	0.19	93.22
70.0-71.0	4.8	0.5	258.9	0.18	93.40
71.0-72.0	4.5	0.5	259.4	0.17	93.57

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

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	4.2	0.4	259.8	0.16	93.72
73.0-74.0	3.9	0.4	260.2	0.15	93.87
74.0-75.0	3.6	0.4	260.6	0.14	94.01
75.0-76.0	3.4	0.4	260.9	0.13	94.13
76.0-77.0	3.1	0.3	261.3	0.12	94.26
77.0-78.0	2.9	0.3	261.6	0.11	94.37
78.0-79.0	2.7	0.3	261.9	0.10	94.47
79.0-80.0	2.5	0.3	262.1	0.10	94.57
80.0-81.0	2.3	0.3	262.4	0.09	94.66
81.0-82.0	2.2	0.2	262.6	0.09	94.75
82.0-83.0	2.1	0.2	262.9	0.08	94.83
83.0-84.0	2.0	0.2	263.1	0.08	94.91
84.0-85.0	1.9	0.2	263.3	0.07	94.98
85.0-86.0	1.8	0.2	263.5	0.07	95.05
86.0-87.0	1.8	0.2	263.7	0.07	95.12
87.0-88.0	1.8	0.2	263.9	0.07	95.19
88.0-89.0	1.7	0.2	264.1	0.07	95.26
89.0-90.0	1.7	0.2	264.2	0.07	95.33
90.0-91.0	1.7	0.2	264.4	0.07	95.40
91.0-92.0	1.7	0.2	264.6	0.07	95.46
92.0-93.0	1.7	0.2	264.8	0.07	95.53
93.0-94.0	1.7	0.2	265.0	0.07	95.60
94.0-95.0	1.7	0.2	265.2	0.07	95.67
95.0-96.0	1.7	0.2	265.4	0.07	95.73
96.0-97.0	1.7	0.2	265.6	0.07	95.80
97.0-98.0	1.7	0.2	265.7	0.07	95.86
98.0-99.0	1.7	0.2	265.9	0.07	95.93
99.0-100.0	1.7	0.2	266.1	0.07	96.00
100.0-101.0	1.7	0.2	266.3	0.07	96.06
101.0-102.0	1.7	0.2	266.5	0.07	96.13
102.0-103.0	1.7	0.2	266.6	0.07	96.19
103.0-104.0	1.7	0.2	266.8	0.07	96.26
104.0-105.0	1.7	0.2	267.0	0.06	96.32
105.0-106.0	1.7	0.2	267.2	0.07	96.39
106.0-107.0	1.7	0.2	267.4	0.06	96.45
107.0-108.0	1.7	0.2	267.5	0.06	96.52

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

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	1.7	0.2	267.7	0.06	96.58
109.0-110.0	1.7	0.2	267.9	0.06	96.65
110.0-111.0	1.7	0.2	268.1	0.06	96.71
111.0-112.0	1.7	0.2	268.3	0.06	96.77
112.0-113.0	1.7	0.2	268.4	0.06	96.84
113.0-114.0	1.7	0.2	268.6	0.06	96.90
114.0-115.0	1.8	0.2	268.8	0.06	96.96
115.0-116.0	1.8	0.2	269.0	0.06	97.03
116.0-117.0	1.8	0.2	269.1	0.06	97.09
117.0-118.0	1.8	0.2	269.3	0.06	97.15
118.0-119.0	1.8	0.2	269.5	0.06	97.21
119.0-120.0	1.8	0.2	269.6	0.06	97.28
120.0-121.0	1.8	0.2	269.8	0.06	97.34
121.0-122.0	1.8	0.2	270.0	0.06	97.40
122.0-123.0	1.9	0.2	270.2	0.06	97.46
123.0-124.0	1.9	0.2	270.3	0.06	97.53
124.0-125.0	1.9	0.2	270.5	0.06	97.59
125.0-126.0	1.9	0.2	270.7	0.06	97.65
126.0-127.0	1.9	0.2	270.8	0.06	97.71
127.0-128.0	2.0	0.2	271.0	0.06	97.77
128.0-129.0	2.0	0.2	271.2	0.06	97.83
129.0-130.0	2.0	0.2	271.4	0.06	97.89
130.0-131.0	2.0	0.2	271.5	0.06	97.95
131.0-132.0	2.1	0.2	271.7	0.06	98.02
132.0-133.0	2.1	0.2	271.9	0.06	98.08
133.0-134.0	2.1	0.2	272.0	0.06	98.14
134.0-135.0	2.2	0.2	272.2	0.06	98.20
135.0-136.0	2.2	0.2	272.4	0.06	98.26
136.0-137.0	2.2	0.2	272.5	0.06	98.32
137.0-138.0	2.3	0.2	272.7	0.06	98.38
138.0-139.0	2.3	0.2	272.9	0.06	98.44
139.0-140.0	2.3	0.2	273.0	0.06	98.50
140.0-141.0	2.4	0.2	273.2	0.06	98.56
141.0-142.0	2.4	0.2	273.4	0.06	98.62
142.0-143.0	2.5	0.2	273.5	0.06	98.68
143.0-144.0	2.5	0.2	273.7	0.06	98.74

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

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	2.5	0.2	273.9	0.06	98.80
145.0-146.0	2.6	0.2	274.0	0.06	98.85
146.0-147.0	2.6	0.2	274.2	0.06	98.91
147.0-148.0	2.7	0.2	274.3	0.06	98.97
148.0-149.0	2.7	0.2	274.5	0.06	99.02
149.0-150.0	2.7	0.2	274.6	0.05	99.08
150.0-151.0	2.8	0.1	274.8	0.05	99.13
151.0-152.0	2.8	0.1	274.9	0.05	99.18
152.0-153.0	2.9	0.1	275.1	0.05	99.24
153.0-154.0	2.9	0.1	275.2	0.05	99.29
154.0-155.0	2.9	0.1	275.4	0.05	99.34
155.0-156.0	3.0	0.1	275.5	0.05	99.38
156.0-157.0	3.0	0.1	275.6	0.05	99.43
157.0-158.0	3.0	0.1	275.8	0.05	99.48
158.0-159.0	3.0	0.1	275.9	0.04	99.52
159.0-160.0	3.1	0.1	276.0	0.04	99.56
160.0-161.0	3.1	0.1	276.1	0.04	99.61
161.0-162.0	3.1	0.1	276.2	0.04	99.64
162.0-163.0	3.1	0.1	276.3	0.04	99.68
163.0-164.0	3.2	0.1	276.4	0.04	99.72
164.0-165.0	3.2	0.1	276.5	0.03	99.75
165.0-166.0	3.2	0.1	276.6	0.03	99.78
166.0-167.0	3.2	0.1	276.7	0.03	99.81
167.0-168.0	3.2	0.1	276.8	0.03	99.84
168.0-169.0	3.2	0.1	276.8	0.03	99.87
169.0-170.0	3.2	0.1	276.9	0.02	99.89
170.0-171.0	3.2	0.1	276.9	0.02	99.91
171.0-172.0	3.2	0.1	277.0	0.02	99.93
172.0-173.0	3.2	0.0	277.0	0.02	99.95
173.0-174.0	3.2	0.0	277.1	0.01	99.96
174.0-175.0	3.2	0.0	277.1	0.01	99.97
175.0-176.0	3.2	0.0	277.1	0.01	99.98
176.0-177.0	3.3	0.0	277.2	0.01	99.99
177.0-178.0	3.3	0.0	277.2	0.01	100.00
178.0-179.0	3.2	0.0	277.2	0.00	100.00
179.0-180.0	3.3	0.0	277.2	0.00	100.00

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

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