

Report No.:

Test Time: 2023/2/21 17:28

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: 大炮

Lamp Catalog: W

Luminous Width (mm): 70

Voltage: 219.3 V

Power: 9.57 W

Luminaire Description: HD30°+3M

Luminous Length (mm): 270

Luminous Height (mm): 20

Current: 0.106 A

Power Factor: 0.412

## Photometric Results

CIE Class: Direct

Measurement Flux: 412.7 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(10%,50%): H83.3,H31.3

Vertical Diffuse Angle(10%,50%): V73.1,V31.8

Luminaire Efficacy Rating (LER): 43

Max. Intensity: 732.31 cd

Total Rated Lamp Lumens: 412.7 lm

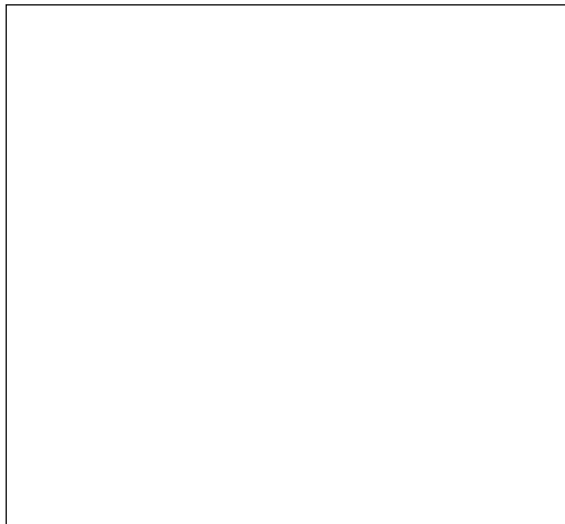
Efficiency: 100%

Upward Ratio: 3%

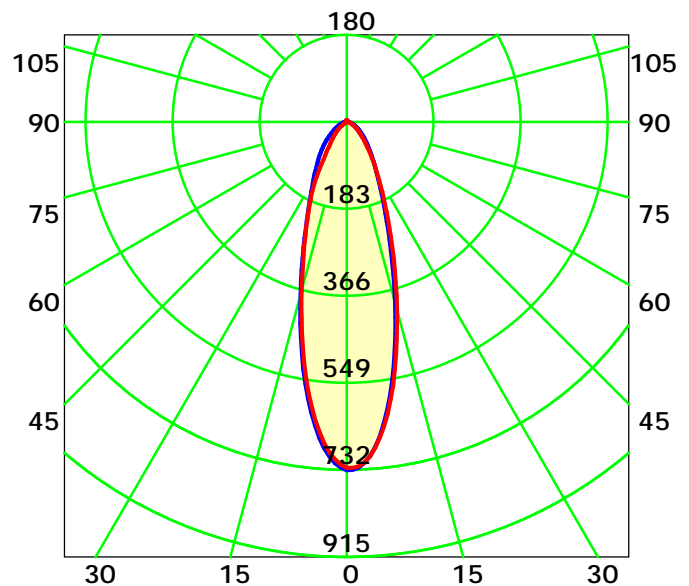
Central Intensity: 732.31 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 31.6° Unit: cd

— C0-C180 — C90-C270

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

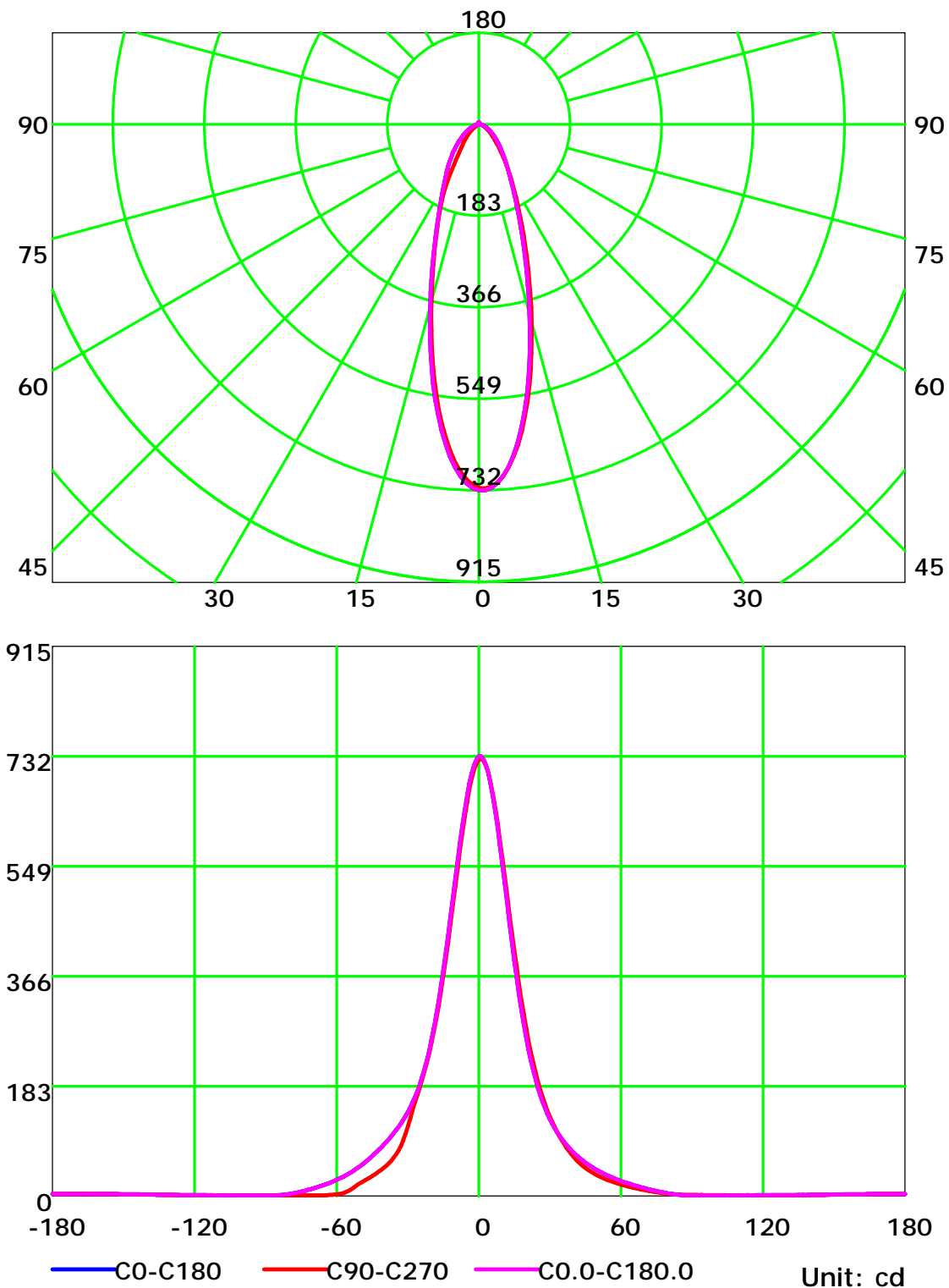
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

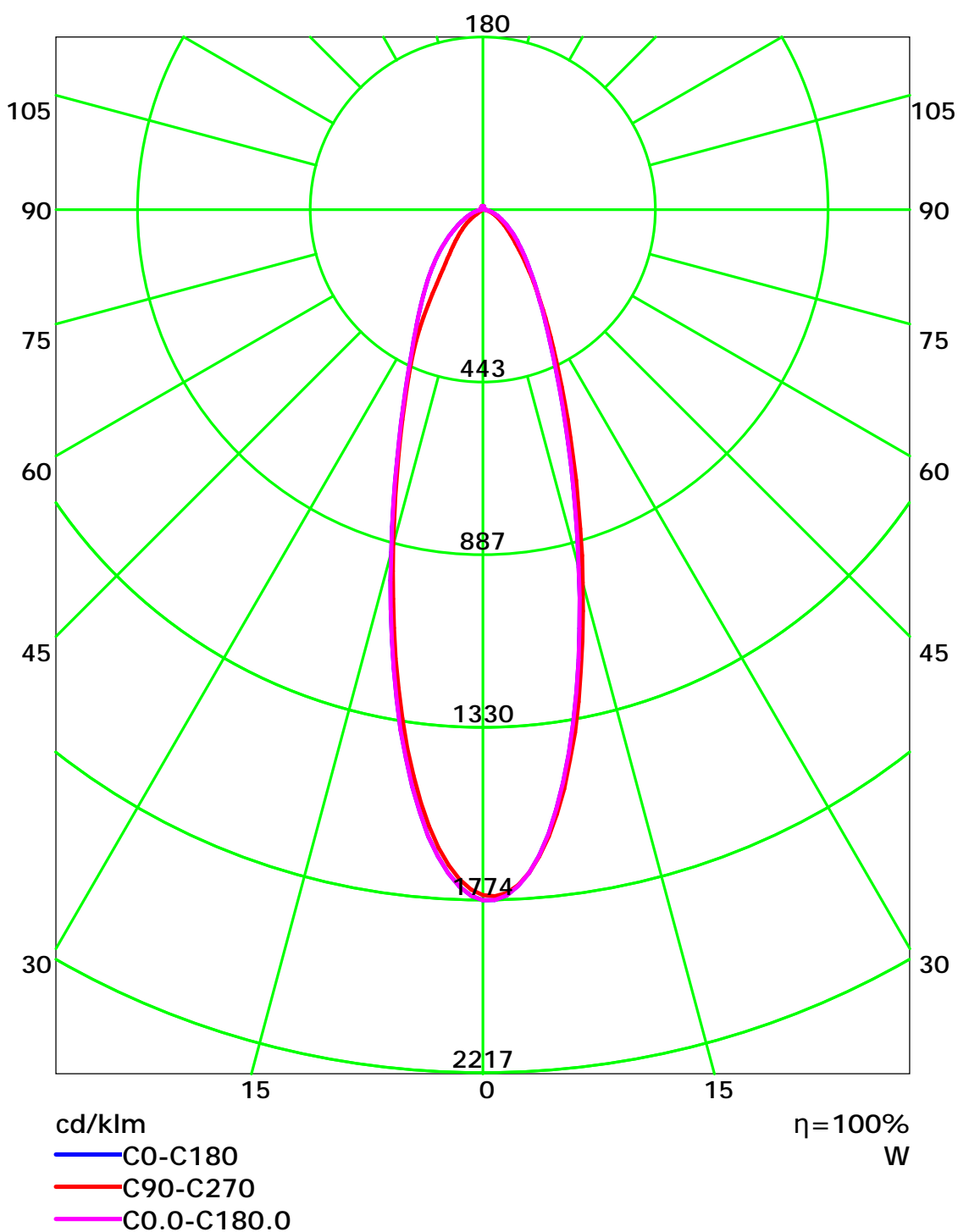
## Luminous Intensity Distribution Curve



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:

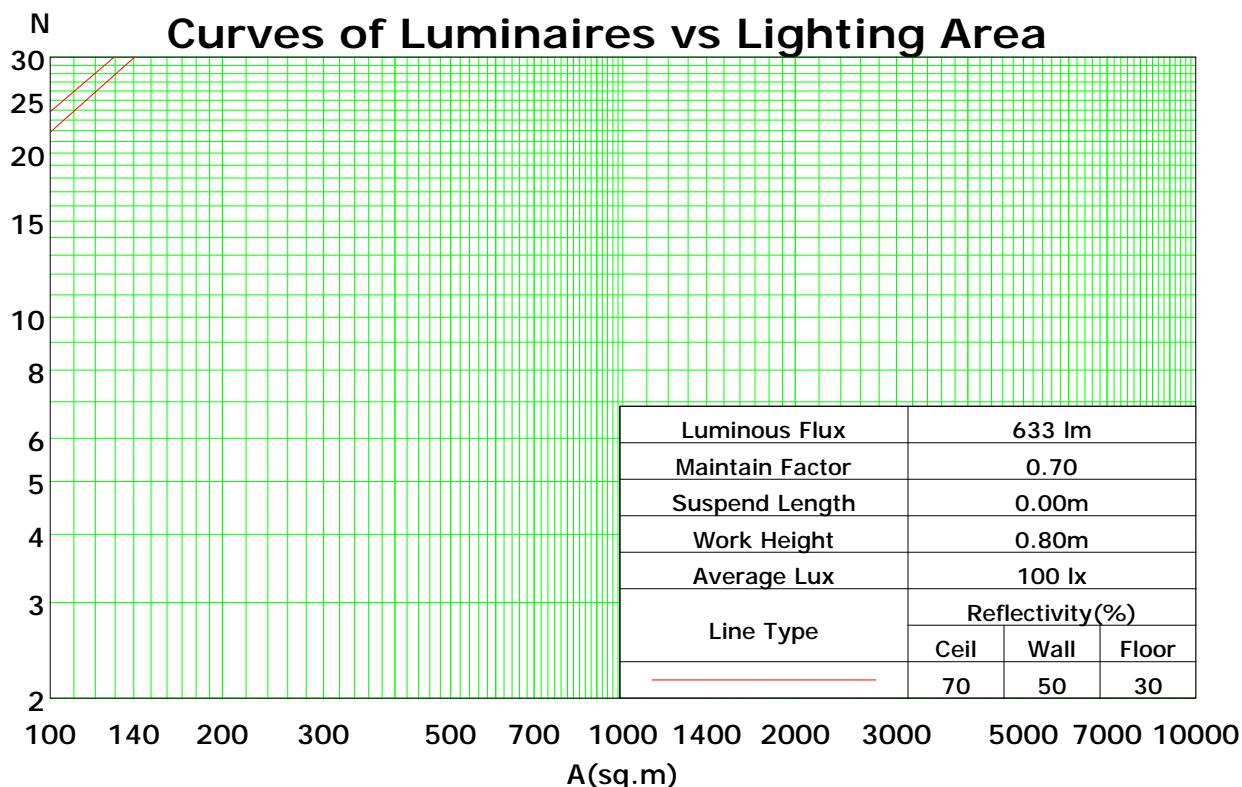
## Coefficients Of Utilization - Zonal Cavity Method

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	104	104	104	99	99	99	97
1	112	108	106	103	109	106	103	101	101	99	97	97	95	94	93	92	90	88
2	105	100	95	91	103	98	93	90	94	90	87	90	87	85	87	85	83	81
3	99	92	86	82	97	90	85	81	87	83	79	84	81	78	82	79	76	74
4	94	85	79	75	92	84	78	74	81	77	73	79	75	72	77	73	70	69
5	89	80	73	69	87	78	73	68	76	71	67	74	70	66	72	68	65	64
6	84	75	68	64	82	74	68	63	72	66	62	70	65	62	68	64	61	59
7	80	70	64	59	78	69	63	59	68	62	58	66	61	58	65	60	57	56
8	76	66	60	55	75	65	59	55	64	59	55	63	58	54	61	57	54	52
9	73	63	56	52	71	62	56	52	61	55	52	60	55	51	58	54	51	50
10	69	59	53	49	68	59	53	49	58	53	49	57	52	49	56	51	48	47

Spacing Criteria (0-180): 0.51

Spacing Criteria (90-270): 0.52

Spacing Criteria (Diagonal): 0.57



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

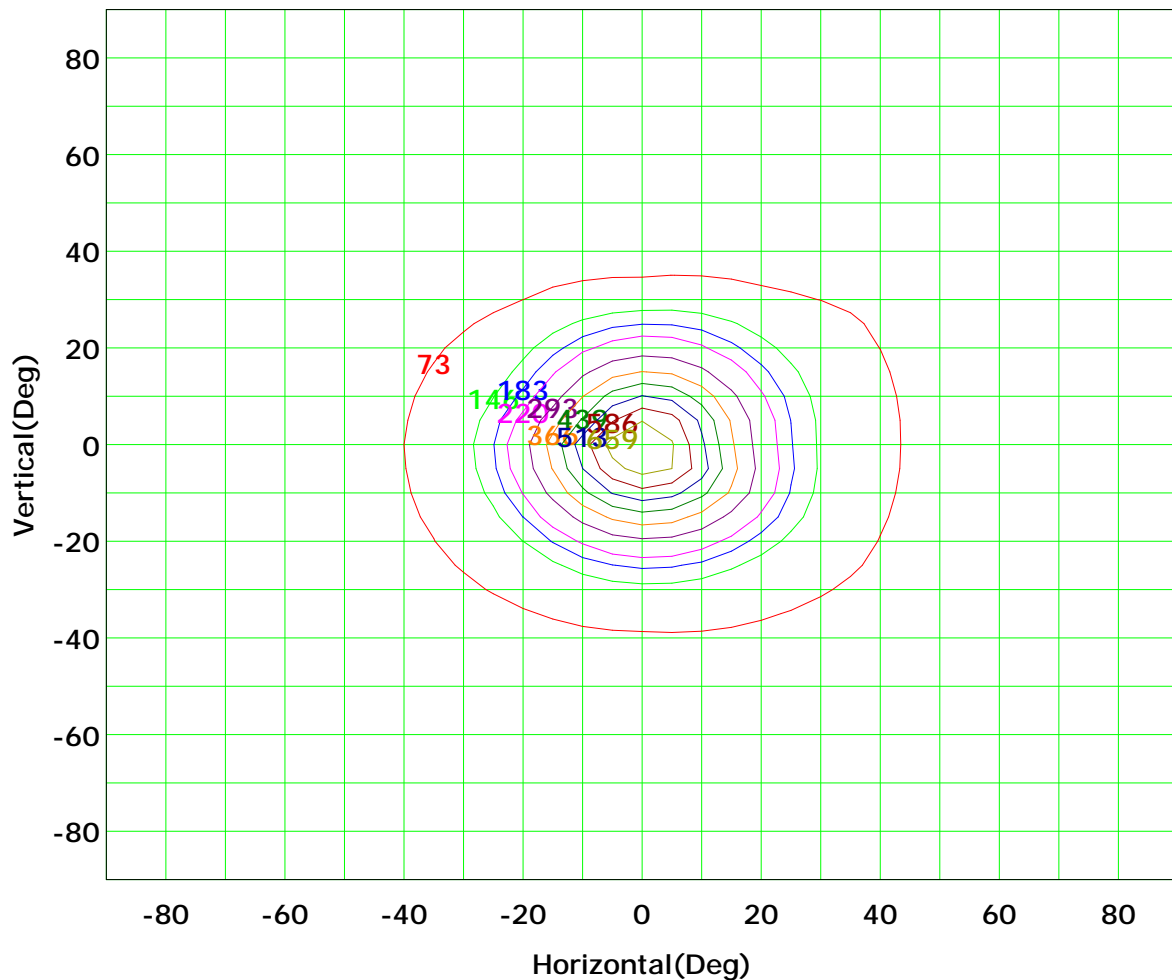
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



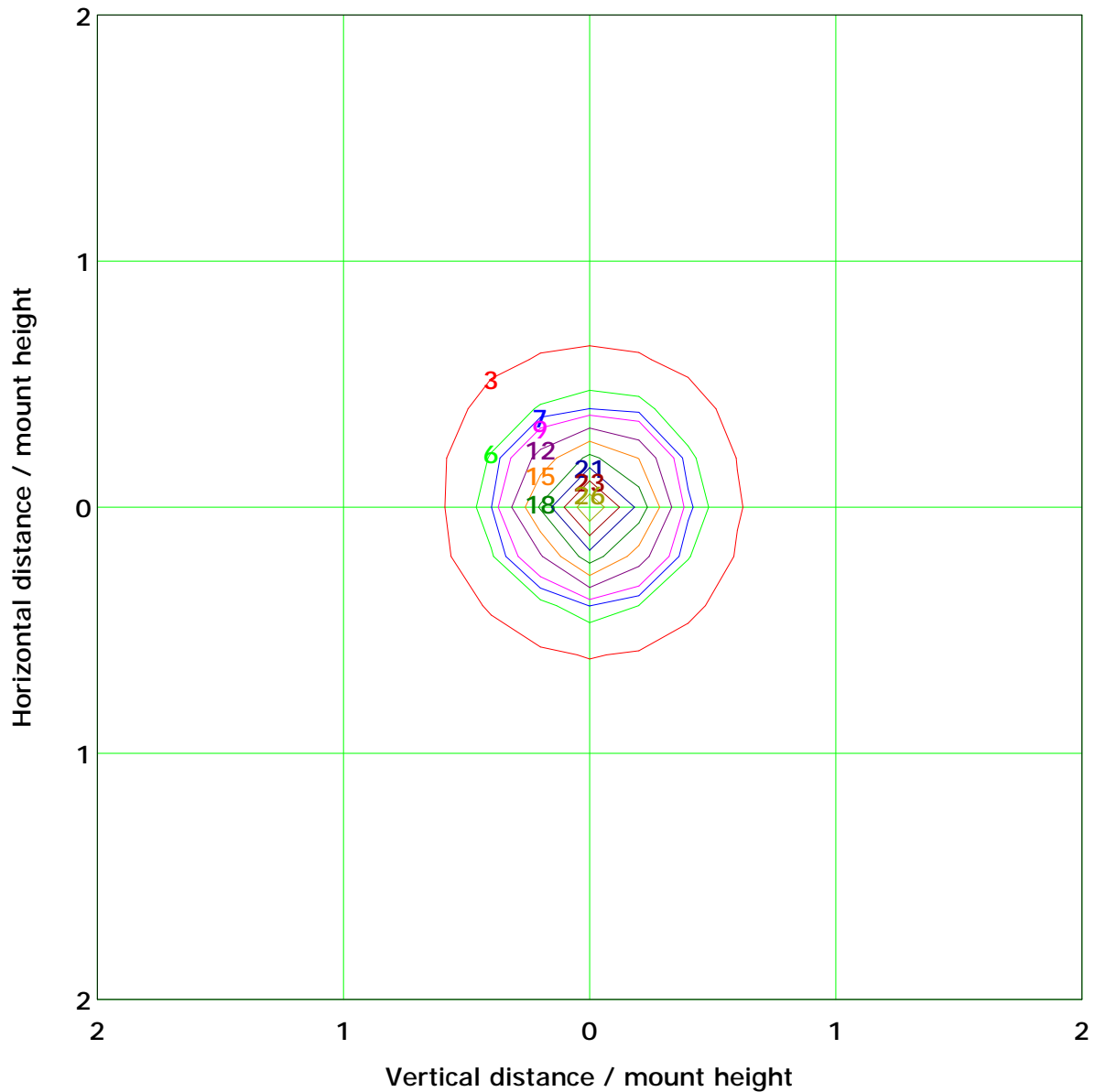
I<sub>max</sub> (100%): 732 cd

( 10%): 73 cd	( 20%): 146 cd
( 25%): 183 cd	( 30%): 220 cd
( 40%): 293 cd	( 50%): 366 cd
( 60%): 439 cd	( 70%): 513 cd
( 80%): 586 cd	( 90%): 659 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%): 29.3 lx	
( 10%): 2.9 lx	( 20%): 5.9 lx
( 25%): 7.3 lx	( 30%): 8.8 lx
( 40%): 11.7 lx	( 50%): 14.6 lx
( 60%): 17.6 lx	( 70%): 20.5 lx
( 80%): 23.4 lx	( 90%): 26.4 lx

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

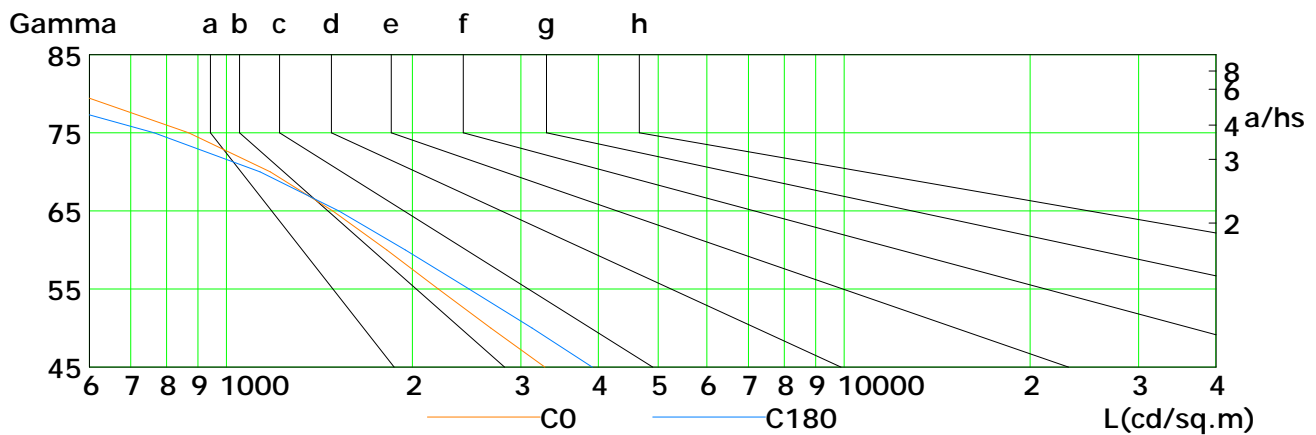
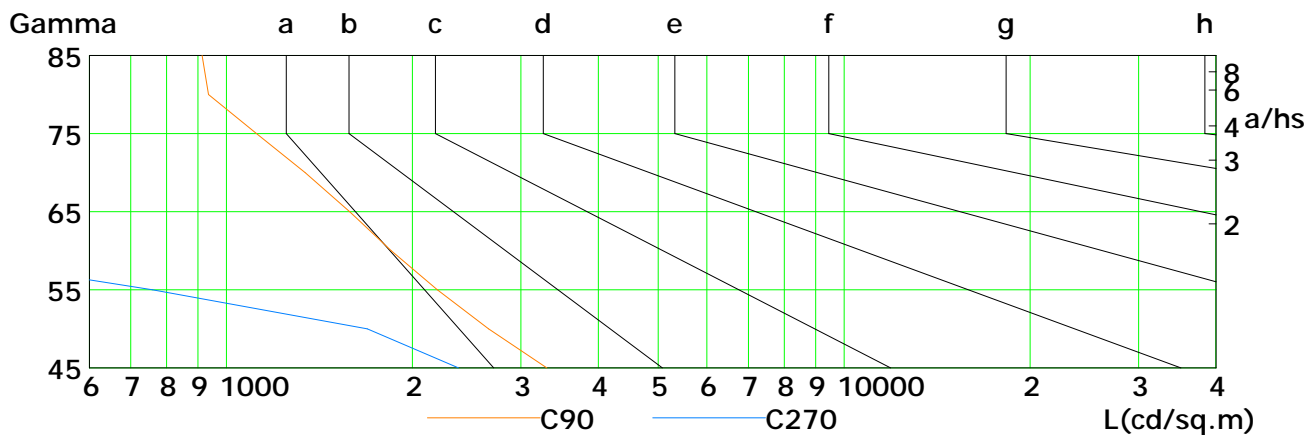
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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

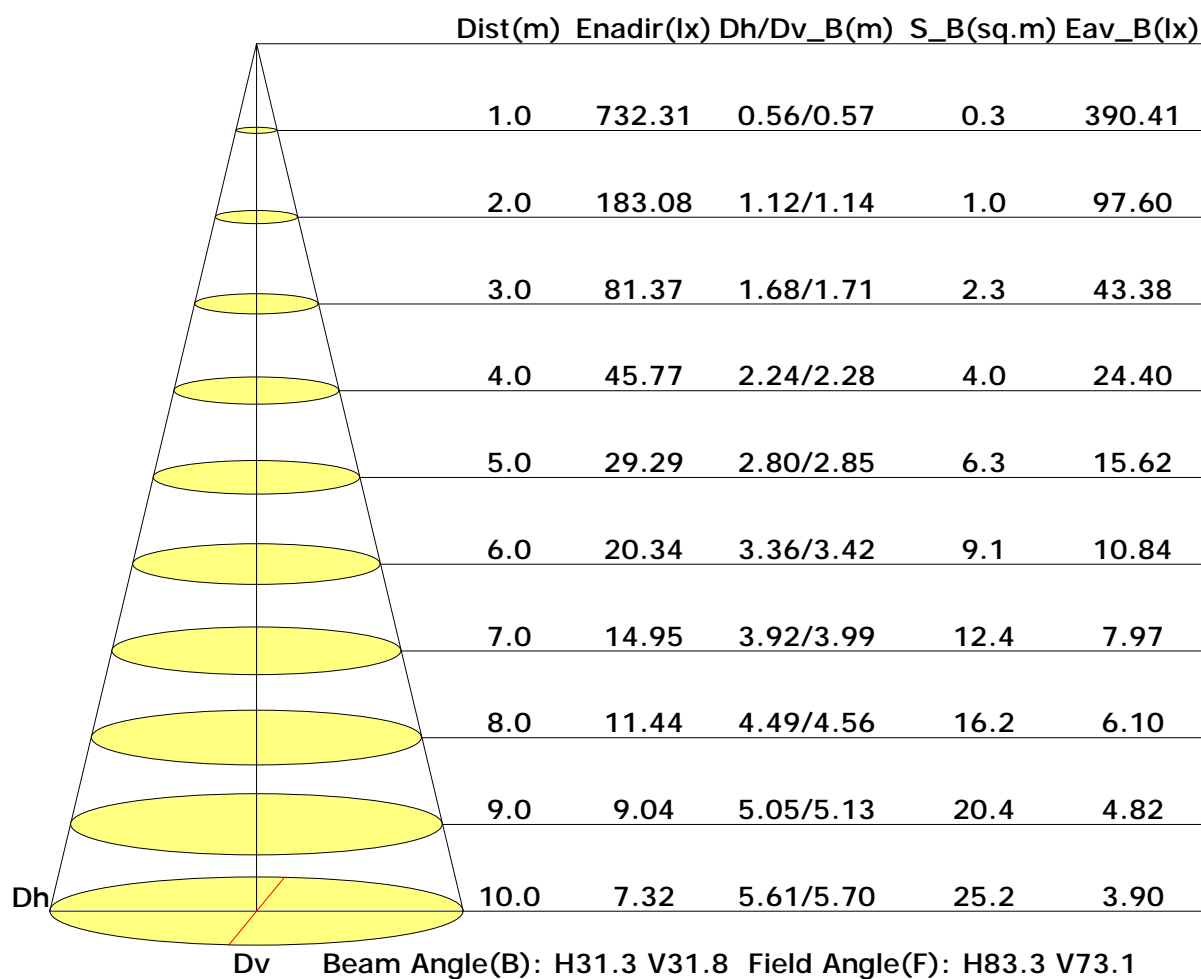


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3279	2680	2204	1819	1487	1179	869	572	354
C90	3302	2658	2196	1849	1584	1342	1119	935	914
C180	3914	3126	2471	1949	1522	1134	764	452	266
C270	2376	1690	759	308	190	203	277	339	549

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



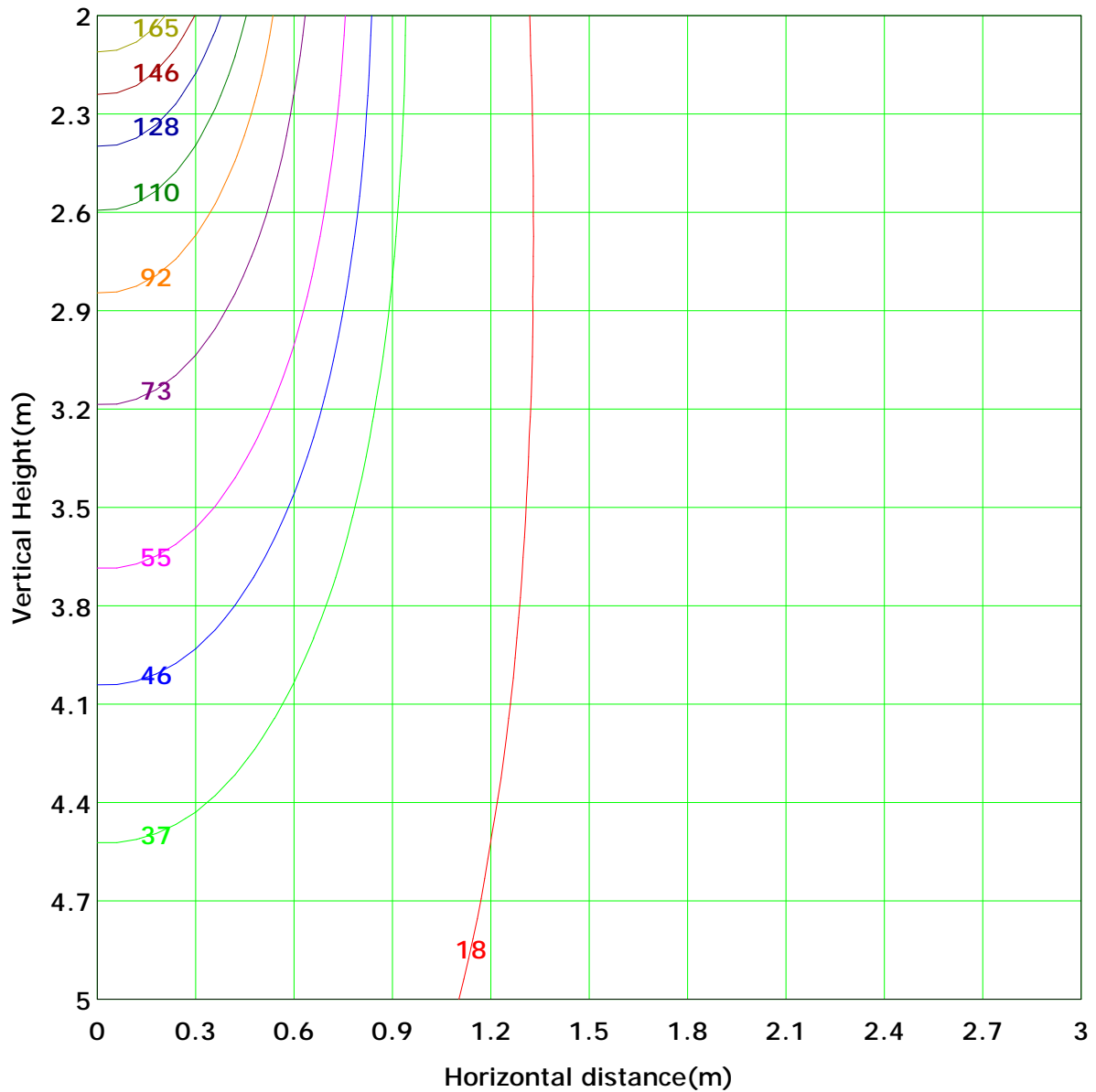
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 183.1 lx
( 10%): 18.3 lx	( 20%): 36.6 lx	
( 25%): 45.8 lx	( 30%): 54.9 lx	
( 40%): 73.2 lx	( 50%): 91.5 lx	
( 60%): 109.8 lx	( 70%): 128.2 lx	
( 80%): 146.5 lx	( 90%): 164.8 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

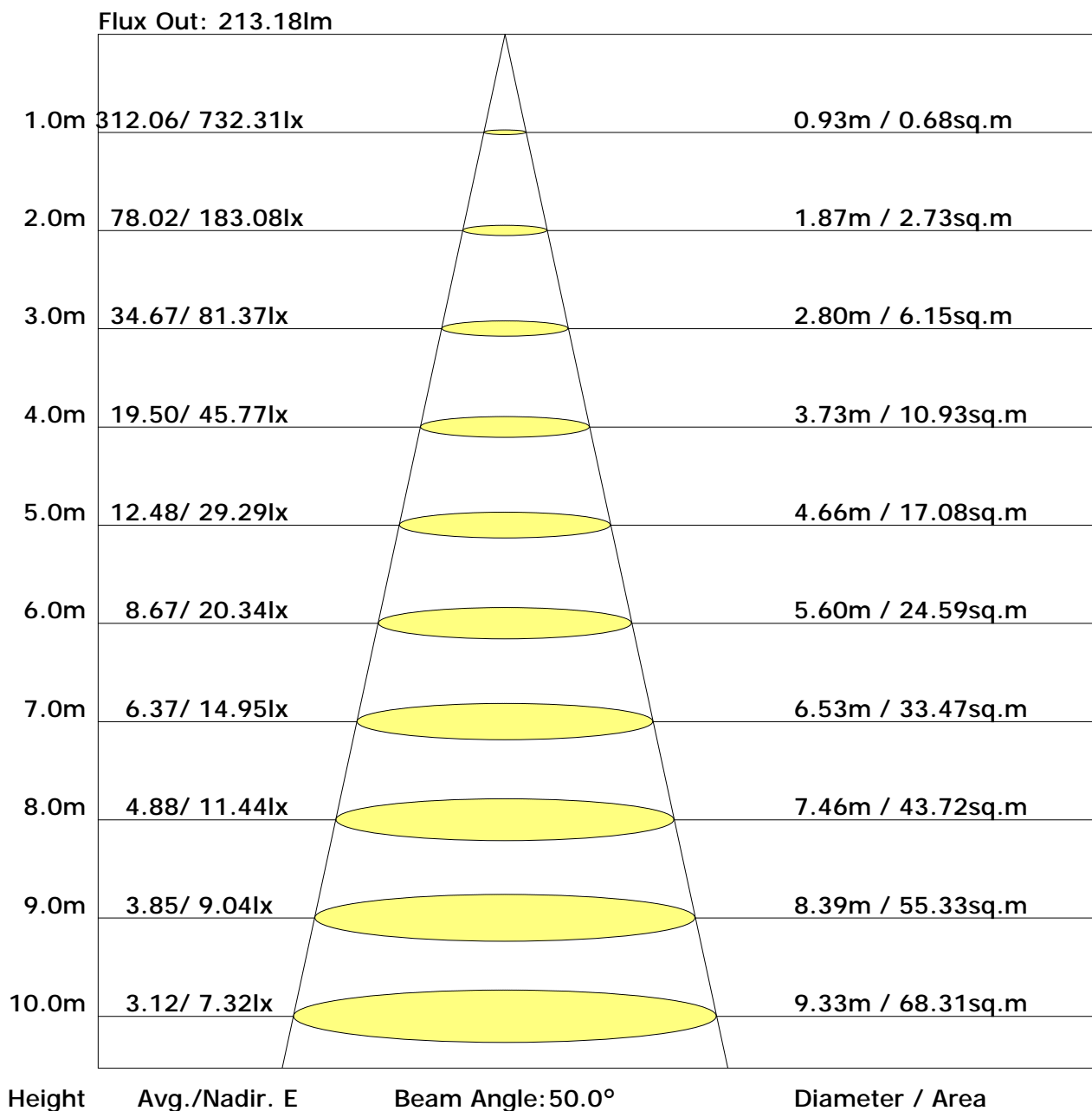
Unit: lm

Vertical plane		-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.0
	-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	2.3	0.0
	-60	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.7	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.0	0.0	5.6	0.0
	-50	0.0	0.0	0.1	0.2	0.4	0.6	0.7	1.0	1.3	1.5	1.5	1.3	0.9	0.6	0.4	0.2	0.2	0.1	0.1	11.4	1.6
	-40	0.0	0.0	0.1	0.2	0.6	1.2	1.6	2.0	2.5	2.8	2.8	2.5	1.4	0.9	0.5	0.3	0.3	0.2	0.1	20.1	13.4
	-30	0.0	0.0	0.1	0.3	0.8	1.6	2.0	3.0	4.3	5.1	5.3	4.5	2.0	1.1	0.7	0.4	0.4	0.2	0.1	32.7	26.6
	-20	0.0	0.1	0.2	0.6	1.0	2.0	3.0	4.4	7.3	10.6	11.5	8.2	3.1	1.4	0.8	0.4	0.4	0.2	0.1	55.5	49.5
	-10	0.0	0.1	0.2	0.7	1.3	2.5	4.3	5.4	10.7	17.9	19.0	11.9	4.6	1.5	0.8	0.5	0.4	0.2	0.1	80.6	74.8
	0	0.0	0.1	0.3	0.7	1.5	2.8	4.3	5.2	10.2	17.2	18.5	11.4	5.6	1.4	0.8	0.4	0.4	0.2	0.1	77.7	71.7
	10	0.0	0.1	0.2	0.6	1.5	2.8	4.3	3.8	6.4	9.9	10.8	7.3	4.2	1.3	0.7	0.4	0.4	0.2	0.1	50.5	44.4
	20	0.0	0.1	0.2	0.6	1.3	2.5	3.5	2.3	3.5	4.7	4.9	3.9	2.6	1.0	0.6	0.4	0.4	0.2	0.1	28.1	21.5
	30	0.0	0.1	0.2	0.6	1.0	2.0	1.9	1.4	1.2	2.3	2.4	2.0	1.6	0.7	0.5	0.3	0.3	0.1	0.1	16.2	7.8
	40	0.0	0.1	0.2	0.5	0.7	1.0	0.8	0.8	1.0	1.2	1.2	1.1	0.9	0.5	0.3	0.2	0.2	0.1	0.1	9.1	0.0
	50	0.0	0.0	0.1	0.3	0.5	0.5	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.3	0.2	0.1	0.1	0.1	0.0	4.8	0.0
	60	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	2.2	0.0
	70	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	0.0	0.0	0.0	0.0	0.0	0.7	0.0
	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	311
	Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	14.5	15.7	15.0	16.0	16.5	13.6	14.7	14.0	15.1	15.5
3H	15.8	16.8	16.2	17.2	17.7	14.6	15.6	15.0	16.0	16.5
4H	16.2	17.1	16.7	17.6	18.0	14.9	15.8	15.4	16.3	16.7
6H	16.5	17.3	16.9	17.8	18.2	15.1	15.9	15.6	16.4	16.9
8H	16.5	17.3	17.0	17.8	18.3	15.1	15.9	15.6	16.4	16.9
12H	16.6	17.3	17.1	17.8	18.3	15.2	15.9	15.6	16.4	16.9
X=4H Y=2H	14.6	15.5	15.1	15.9	16.4	14.1	15.1	14.6	15.5	15.9
3H	16.0	16.7	16.4	17.2	17.7	15.3	16.0	15.8	16.5	17.0
4H	16.4	17.1	16.9	17.6	18.1	15.7	16.3	16.2	16.8	17.3
6H	16.8	17.4	17.3	17.9	18.4	15.9	16.5	16.4	17.0	17.6
8H	16.9	17.4	17.4	17.9	18.5	16.0	16.5	16.5	17.0	17.6
12H	17.0	17.4	17.5	18.0	18.5	16.0	16.5	16.6	17.1	17.6
X=8H Y=4H	16.4	17.0	16.9	17.5	18.0	15.8	16.4	16.4	16.9	17.4
6H	16.8	17.2	17.4	17.8	18.4	16.2	16.6	16.7	17.2	17.7
8H	16.9	17.3	17.5	17.9	18.5	16.3	16.7	16.9	17.2	17.8
12H	17.1	17.4	17.6	18.0	18.6	16.4	16.7	17.0	17.3	17.9
X=12H Y=4H	16.4	16.8	16.9	17.4	17.9	15.8	16.3	16.4	16.9	17.4
6H	16.8	17.2	17.4	17.7	18.3	16.2	16.6	16.8	17.1	17.7
8H	16.9	17.3	17.5	17.8	18.5	16.3	16.7	16.9	17.2	17.9

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	0.77	0.85	0.90	0.93	0.98	1.01	1.04	1.06	1.08
	0.30		0.72	0.79	0.85	0.89	0.94	0.98	1.00	1.04	1.06
	0.20		0.68	0.75	0.81	0.85	0.91	0.95	0.97	1.01	1.04
0.50	0.50	0.20	0.76	0.82	0.87	0.90	0.95	0.98	0.99	1.02	1.04
	0.30		0.71	0.78	0.83	0.86	0.91	0.95	0.97	1.00	1.02
	0.20		0.67	0.75	0.79	0.83	0.88	0.92	0.94	0.98	1.00
0.30	0.50	0.20	0.74	0.80	0.85	0.88	0.92	0.94	0.96	0.98	0.99
	0.30		0.70	0.77	0.81	0.84	0.89	0.92	0.94	0.96	0.98
	0.20		0.67	0.74	0.78	0.82	0.86	0.89	0.92	0.95	0.96
0.00	0.00	0.00	0.65	0.71	0.75	0.78	0.83	0.85	0.87	0.90	0.91
Rating: 10W 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	0.68	0.56	0.47	0.41	0.32	0.27	0.23	0.18	0.14
	0.30		0.57	0.48	0.41	0.36	0.29	0.24	0.21	0.17	0.14
	0.20		0.49	0.42	0.36	0.32	0.27	0.23	0.20	0.16	0.13
0.50	0.50	0.20	0.65	0.52	0.44	0.38	0.30	0.28	0.21	0.16	0.13
	0.30		0.55	0.45	0.39	0.34	0.27	0.23	0.20	0.15	0.13
	0.20		0.47	0.40	0.35	0.31	0.25	0.21	0.18	0.15	0.12
0.30	0.50	0.20	0.62	0.49	0.41	0.35	0.28	0.23	0.19	0.15	0.12
	0.30		0.53	0.43	0.37	0.32	0.26	0.21	0.18	0.14	0.12
	0.20		0.46	0.39	0.33	0.29	0.24	0.20	0.17	0.14	0.11
0.00	0.00	0.00	0.33	0.27	0.22	0.19	0.15	0.12	0.11	0.08	0.07
<p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## 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	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.14	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.09	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.20
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.12	0.14	0.15	0.16	0.17	0.19	0.19	0.20	0.21
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## 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	726.3	0.7	0.7	0.17	0.17
1.0-2.0	721.8	2.1	2.8	0.50	0.67
2.0-3.0	712.8	3.4	6.2	0.83	1.50
3.0-4.0	699.6	4.7	10.9	1.13	2.63
4.0-5.0	682.4	5.9	16.7	1.42	4.05
5.0-6.0	661.6	7.0	23.7	1.68	5.74
6.0-7.0	637.9	7.9	31.6	1.92	7.66
7.0-8.0	611.6	8.8	40.4	2.12	9.78
8.0-9.0	583.3	9.5	49.8	2.29	12.07
9.0-10.0	553.5	10.0	59.8	2.43	14.50
10.0-11.0	522.9	10.4	70.3	2.53	17.03
11.0-12.0	491.8	10.8	81.0	2.61	19.63
12.0-13.0	460.8	10.9	92.0	2.65	22.28
13.0-14.0	430.6	11.0	103.0	2.67	24.96
14.0-15.0	401.2	11.0	114.0	2.67	27.62
15.0-16.0	372.9	10.9	124.9	2.65	30.27
16.0-17.0	346.3	10.8	135.7	2.61	32.89
17.0-18.0	321.3	10.6	146.3	2.57	35.45
18.0-19.0	297.9	10.4	156.7	2.51	37.96
19.0-20.0	276.2	10.1	166.8	2.45	40.41
20.0-21.0	256.1	9.8	176.6	2.38	42.80
21.0-22.0	237.7	9.6	186.2	2.31	45.11
22.0-23.0	221.0	9.3	195.5	2.25	47.36
23.0-24.0	205.7	9.0	204.5	2.18	49.54
24.0-25.0	191.7	8.7	213.2	2.11	51.65
25.0-26.0	179.0	8.5	221.6	2.05	53.70
26.0-27.0	167.4	8.2	229.8	1.98	55.68
27.0-28.0	156.6	7.9	237.7	1.92	57.60
28.0-29.0	146.5	7.7	245.4	1.86	59.46
29.0-30.0	137.2	7.4	252.8	1.79	61.26
30.0-31.0	128.3	7.1	260.0	1.73	62.99
31.0-32.0	120.0	6.9	266.8	1.67	64.65
32.0-33.0	112.3	6.6	273.5	1.60	66.26
33.0-34.0	105.0	6.4	279.8	1.54	67.80
34.0-35.0	98.2	6.1	285.9	1.48	69.27
35.0-36.0	92.0	5.9	291.8	1.42	70.69

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	86.3	5.6	297.4	1.36	72.06
37.0-38.0	81.0	5.4	302.8	1.31	73.37
38.0-39.0	76.2	5.2	308.0	1.26	74.63
39.0-40.0	71.7	5.0	313.0	1.21	75.84
40.0-41.0	67.6	4.8	317.8	1.17	77.01
41.0-42.0	63.7	4.6	322.4	1.12	78.13
42.0-43.0	60.0	4.4	326.9	1.08	79.20
43.0-44.0	56.5	4.3	331.2	1.03	80.24
44.0-45.0	53.2	4.1	335.2	0.99	81.23
45.0-46.0	50.0	3.9	339.2	0.95	82.17
46.0-47.0	47.0	3.7	342.9	0.91	83.08
47.0-48.0	44.1	3.6	346.5	0.86	83.95
48.0-49.0	41.4	3.4	349.9	0.82	84.77
49.0-50.0	38.8	3.2	353.1	0.78	85.55
50.0-51.0	36.2	3.1	356.2	0.74	86.30
51.0-52.0	33.8	2.9	359.1	0.70	87.00
52.0-53.0	31.5	2.7	361.8	0.66	87.66
53.0-54.0	29.3	2.6	364.4	0.63	88.29
54.0-55.0	27.3	2.4	366.8	0.59	88.88
55.0-56.0	25.4	2.3	369.1	0.56	89.44
56.0-57.0	23.6	2.2	371.3	0.52	89.96
57.0-58.0	21.9	2.0	373.3	0.49	90.45
58.0-59.0	20.3	1.9	375.2	0.46	90.91
59.0-60.0	18.8	1.8	377.0	0.43	91.34
60.0-61.0	17.5	1.7	378.6	0.40	91.74
61.0-62.0	16.3	1.6	380.2	0.38	92.12
62.0-63.0	15.2	1.5	381.7	0.36	92.48
63.0-64.0	14.2	1.4	383.1	0.34	92.82
64.0-65.0	13.2	1.3	384.4	0.32	93.13
65.0-66.0	12.3	1.2	385.6	0.30	93.43
66.0-67.0	11.5	1.2	386.8	0.28	93.71
67.0-68.0	10.6	1.1	387.8	0.26	93.97
68.0-69.0	9.8	1.0	388.8	0.24	94.21
69.0-70.0	9.1	0.9	389.8	0.23	94.44
70.0-71.0	8.4	0.9	390.6	0.21	94.65
71.0-72.0	7.7	0.8	391.4	0.19	94.84

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	7.0	0.7	392.2	0.18	95.02
73.0-74.0	6.4	0.7	392.8	0.16	95.18
74.0-75.0	5.9	0.6	393.5	0.15	95.34
75.0-76.0	5.4	0.6	394.0	0.14	95.47
76.0-77.0	4.9	0.5	394.6	0.13	95.60
77.0-78.0	4.4	0.5	395.0	0.12	95.72
78.0-79.0	4.0	0.4	395.5	0.10	95.82
79.0-80.0	3.6	0.4	395.9	0.10	95.92
80.0-81.0	3.3	0.4	396.2	0.09	96.00
81.0-82.0	3.0	0.3	396.5	0.08	96.08
82.0-83.0	2.7	0.3	396.8	0.07	96.15
83.0-84.0	2.5	0.3	397.1	0.07	96.22
84.0-85.0	2.3	0.3	397.4	0.06	96.28
85.0-86.0	2.2	0.2	397.6	0.06	96.34
86.0-87.0	2.0	0.2	397.8	0.05	96.39
87.0-88.0	2.0	0.2	398.0	0.05	96.44
88.0-89.0	1.9	0.2	398.3	0.05	96.50
89.0-90.0	1.9	0.2	398.5	0.05	96.55
90.0-91.0	1.9	0.2	398.7	0.05	96.60
91.0-92.0	1.9	0.2	398.9	0.05	96.65
92.0-93.0	1.9	0.2	399.1	0.05	96.70
93.0-94.0	1.9	0.2	399.3	0.05	96.75
94.0-95.0	1.8	0.2	399.5	0.05	96.80
95.0-96.0	1.8	0.2	399.7	0.05	96.84
96.0-97.0	1.8	0.2	399.9	0.05	96.89
97.0-98.0	1.8	0.2	400.1	0.05	96.94
98.0-99.0	1.8	0.2	400.3	0.05	96.99
99.0-100.0	1.8	0.2	400.5	0.05	97.03
100.0-101.0	1.8	0.2	400.7	0.05	97.08
101.0-102.0	1.8	0.2	400.9	0.05	97.13
102.0-103.0	1.8	0.2	401.0	0.05	97.17
103.0-104.0	1.7	0.2	401.2	0.05	97.22
104.0-105.0	1.7	0.2	401.4	0.04	97.26
105.0-106.0	1.7	0.2	401.6	0.04	97.31
106.0-107.0	1.8	0.2	401.8	0.04	97.35
107.0-108.0	1.8	0.2	402.0	0.04	97.40

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	402.2	0.04	97.44
109.0-110.0	1.7	0.2	402.3	0.04	97.48
110.0-111.0	1.8	0.2	402.5	0.04	97.53
111.0-112.0	1.8	0.2	402.7	0.04	97.57
112.0-113.0	1.8	0.2	402.9	0.04	97.62
113.0-114.0	1.8	0.2	403.1	0.04	97.66
114.0-115.0	1.8	0.2	403.2	0.04	97.70
115.0-116.0	1.8	0.2	403.4	0.04	97.75
116.0-117.0	1.9	0.2	403.6	0.04	97.79
117.0-118.0	1.9	0.2	403.8	0.04	97.84
118.0-119.0	1.9	0.2	404.0	0.04	97.88
119.0-120.0	1.9	0.2	404.2	0.04	97.93
120.0-121.0	1.9	0.2	404.3	0.04	97.97
121.0-122.0	2.0	0.2	404.5	0.04	98.01
122.0-123.0	2.0	0.2	404.7	0.04	98.06
123.0-124.0	2.0	0.2	404.9	0.04	98.10
124.0-125.0	2.1	0.2	405.1	0.04	98.15
125.0-126.0	2.1	0.2	405.3	0.04	98.19
126.0-127.0	2.1	0.2	405.4	0.04	98.24
127.0-128.0	2.1	0.2	405.6	0.04	98.28
128.0-129.0	2.2	0.2	405.8	0.04	98.33
129.0-130.0	2.2	0.2	406.0	0.04	98.37
130.0-131.0	2.2	0.2	406.2	0.04	98.42
131.0-132.0	2.3	0.2	406.4	0.04	98.46
132.0-133.0	2.3	0.2	406.6	0.04	98.51
133.0-134.0	2.3	0.2	406.7	0.04	98.55
134.0-135.0	2.4	0.2	406.9	0.05	98.60
135.0-136.0	2.4	0.2	407.1	0.05	98.64
136.0-137.0	2.5	0.2	407.3	0.05	98.69
137.0-138.0	2.5	0.2	407.5	0.05	98.73
138.0-139.0	2.6	0.2	407.7	0.05	98.78
139.0-140.0	2.6	0.2	407.9	0.05	98.82
140.0-141.0	2.7	0.2	408.0	0.05	98.87
141.0-142.0	2.7	0.2	408.2	0.05	98.91
142.0-143.0	2.8	0.2	408.4	0.05	98.96
143.0-144.0	2.9	0.2	408.6	0.05	99.00

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:

## 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	2.9	0.2	408.8	0.05	99.05
145.0-146.0	3.0	0.2	409.0	0.04	99.09
146.0-147.0	3.0	0.2	409.2	0.04	99.14
147.0-148.0	3.1	0.2	409.3	0.04	99.18
148.0-149.0	3.1	0.2	409.5	0.04	99.22
149.0-150.0	3.2	0.2	409.7	0.04	99.27
150.0-151.0	3.2	0.2	409.9	0.04	99.31
151.0-152.0	3.3	0.2	410.0	0.04	99.35
152.0-153.0	3.3	0.2	410.2	0.04	99.39
153.0-154.0	3.4	0.2	410.4	0.04	99.43
154.0-155.0	3.4	0.2	410.5	0.04	99.47
155.0-156.0	3.5	0.2	410.7	0.04	99.51
156.0-157.0	3.5	0.2	410.8	0.04	99.55
157.0-158.0	3.6	0.1	411.0	0.04	99.58
158.0-159.0	3.6	0.1	411.1	0.04	99.62
159.0-160.0	3.6	0.1	411.3	0.03	99.65
160.0-161.0	3.7	0.1	411.4	0.03	99.68
161.0-162.0	3.7	0.1	411.5	0.03	99.72
162.0-163.0	3.7	0.1	411.7	0.03	99.75
163.0-164.0	3.8	0.1	411.8	0.03	99.77
164.0-165.0	3.8	0.1	411.9	0.03	99.80
165.0-166.0	3.8	0.1	412.0	0.03	99.83
166.0-167.0	3.8	0.1	412.1	0.02	99.85
167.0-168.0	3.8	0.1	412.2	0.02	99.87
168.0-169.0	3.9	0.1	412.3	0.02	99.89
169.0-170.0	3.9	0.1	412.3	0.02	99.91
170.0-171.0	3.9	0.1	412.4	0.02	99.93
171.0-172.0	3.9	0.1	412.5	0.02	99.94
172.0-173.0	3.9	0.1	412.5	0.01	99.96
173.0-174.0	3.9	0.0	412.6	0.01	99.97
174.0-175.0	3.9	0.0	412.6	0.01	99.98
175.0-176.0	3.9	0.0	412.7	0.01	99.99
176.0-177.0	3.9	0.0	412.7	0.01	99.99
177.0-178.0	3.9	0.0	412.7	0.00	100.00
178.0-179.0	3.9	0.0	412.7	0.00	100.00
179.0-180.0	3.9	0.0	412.7	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: