

Report No.:

Test Time: 2023/2/21 14:27

## Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: WALL WASHER

Luminaire Description: FORTEACNS12RGBW4040-BLUE ON

Luminous Length (mm): 330

Luminous Width (mm): 96

Luminous Height (mm): 162.5

Voltage: 219.3 V

Current: 0.106 A

Power: 9.64 W

Power Factor: 0.414

## Photometric Results

CIE Class: Direct

Measurement Flux: 136.5 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H86.3,H42.3

Vertical Diffuse Angle(10%,50%): V80.4,V42.2

Luminaire Efficacy Rating (LER): 14

Max. Intensity: 195.29 cd

Total Rated Lamp Lumens: 136.5 lm

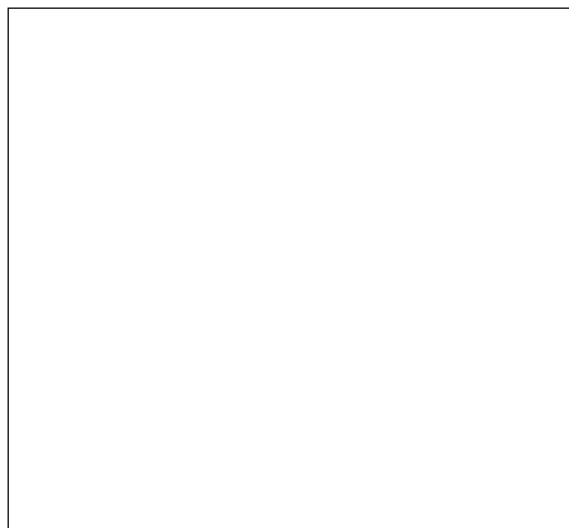
Efficiency: 100%

Upward Ratio: 2%

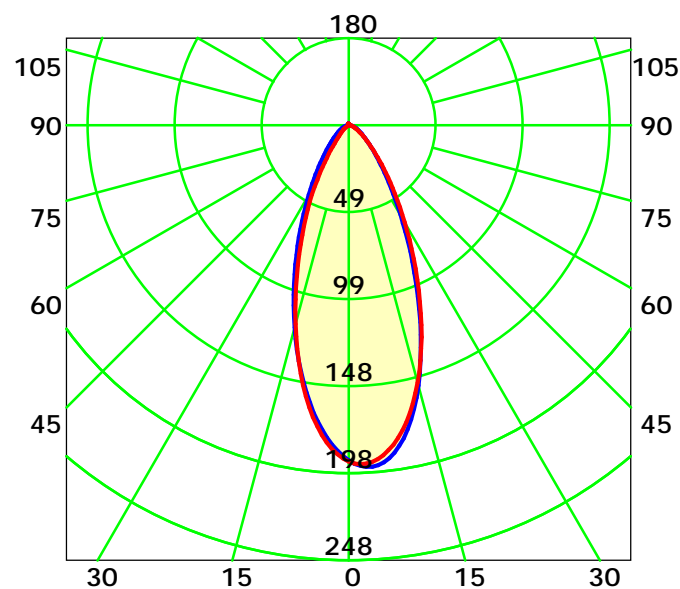
Central Intensity: 191.08 cd

Pos of Max. Intensity: H30 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 42.3° 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

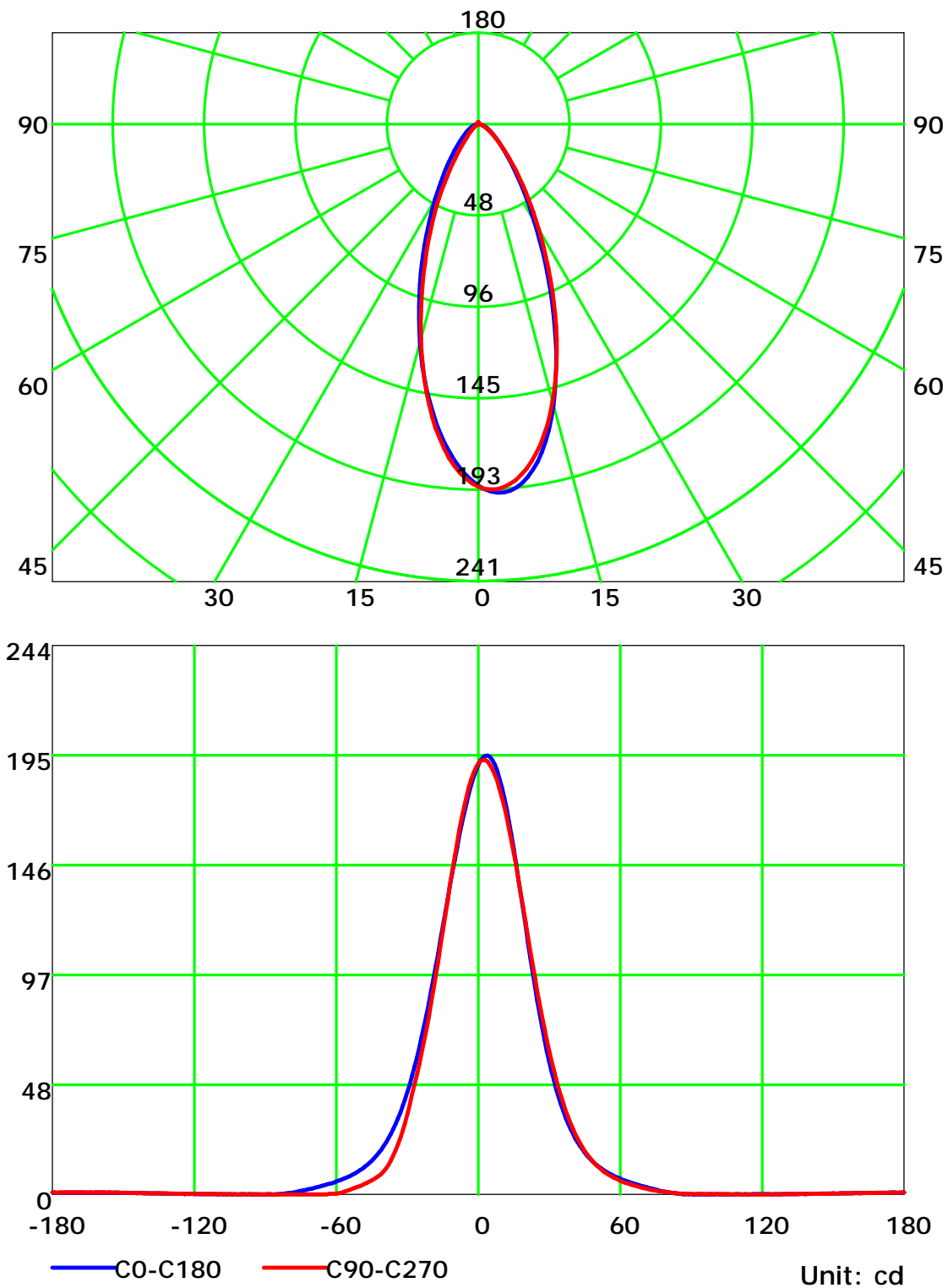
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

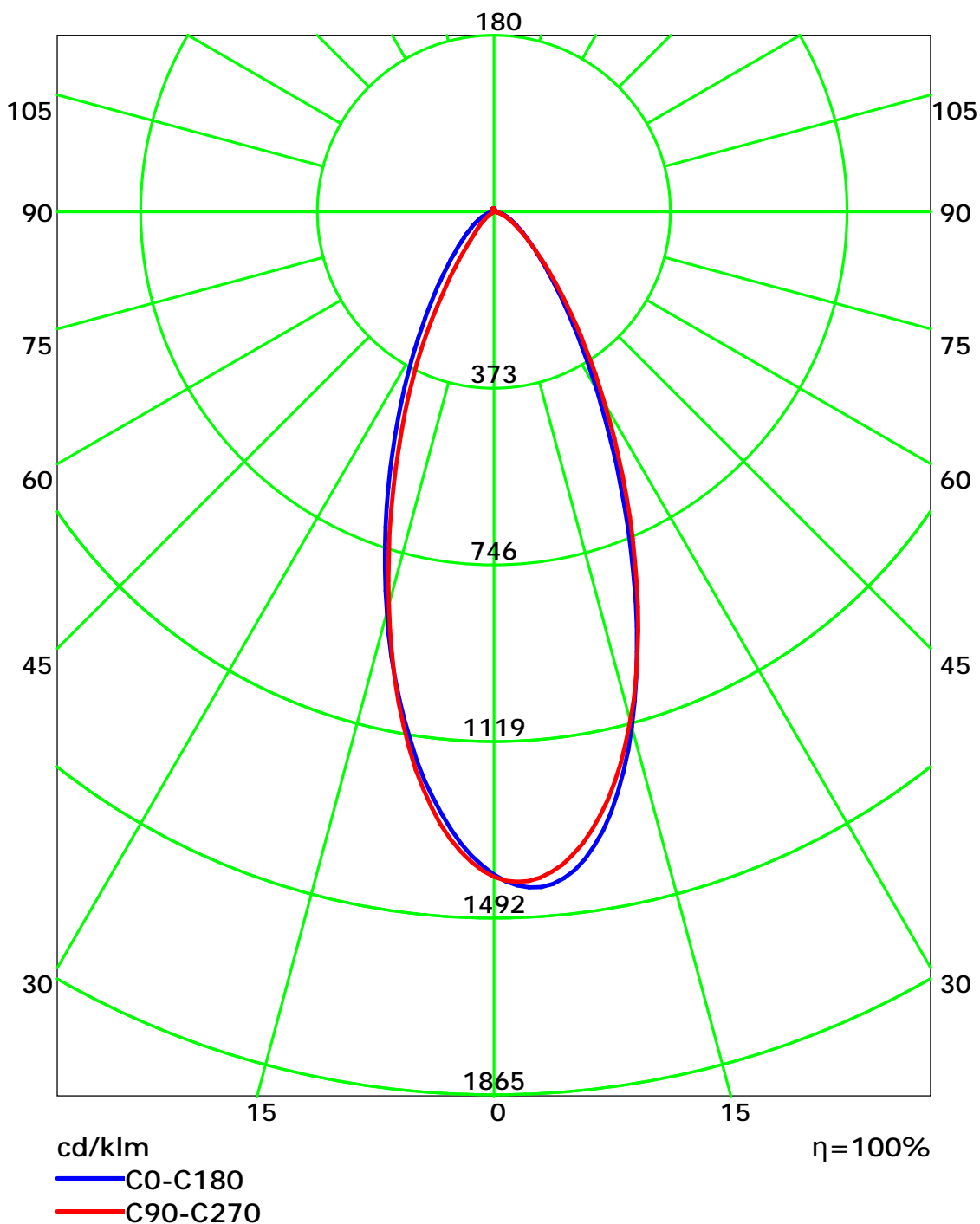
## Luminous Intensity Distribution Curve



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:

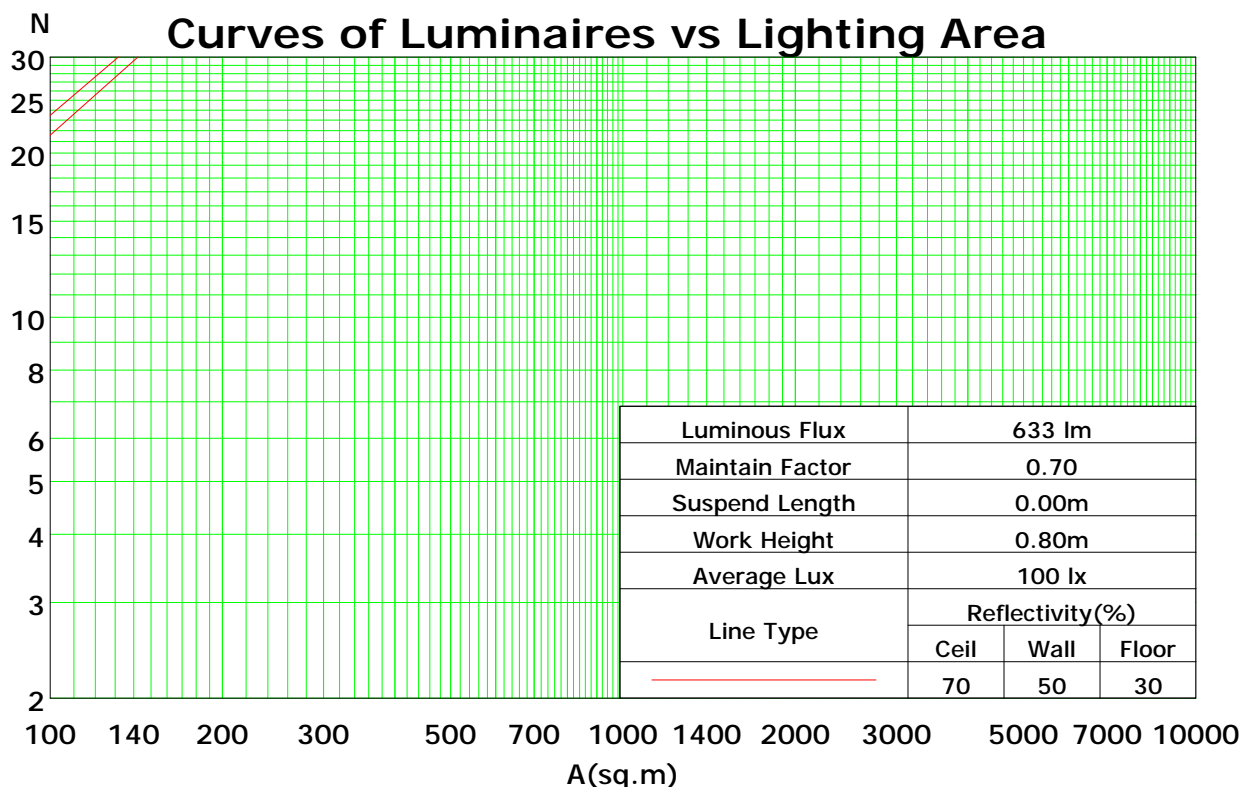
## Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	112	109	107	104	110	107	104	102	103	101	99	98	97	95	95	94	92	90
2	106	101	96	93	104	99	95	91	95	92	89	92	89	87	89	87	85	83
3	100	93	88	84	98	92	87	83	89	85	81	86	83	80	84	81	78	77
4	95	87	81	76	93	85	80	76	83	78	75	81	77	74	79	75	72	71
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	74	70	67	66
6	85	76	70	65	84	75	69	65	73	68	64	72	67	63	70	66	63	61
7	81	71	65	61	79	70	65	60	69	64	60	68	63	59	66	62	59	57
8	77	67	61	57	76	66	61	56	65	60	56	64	59	56	63	59	55	54
9	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	55	52	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49	48

Spacing Criteria (0-180): 0.68

Spacing Criteria (90-270): 0.67

Spacing Criteria (Diagonal): 0.71



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

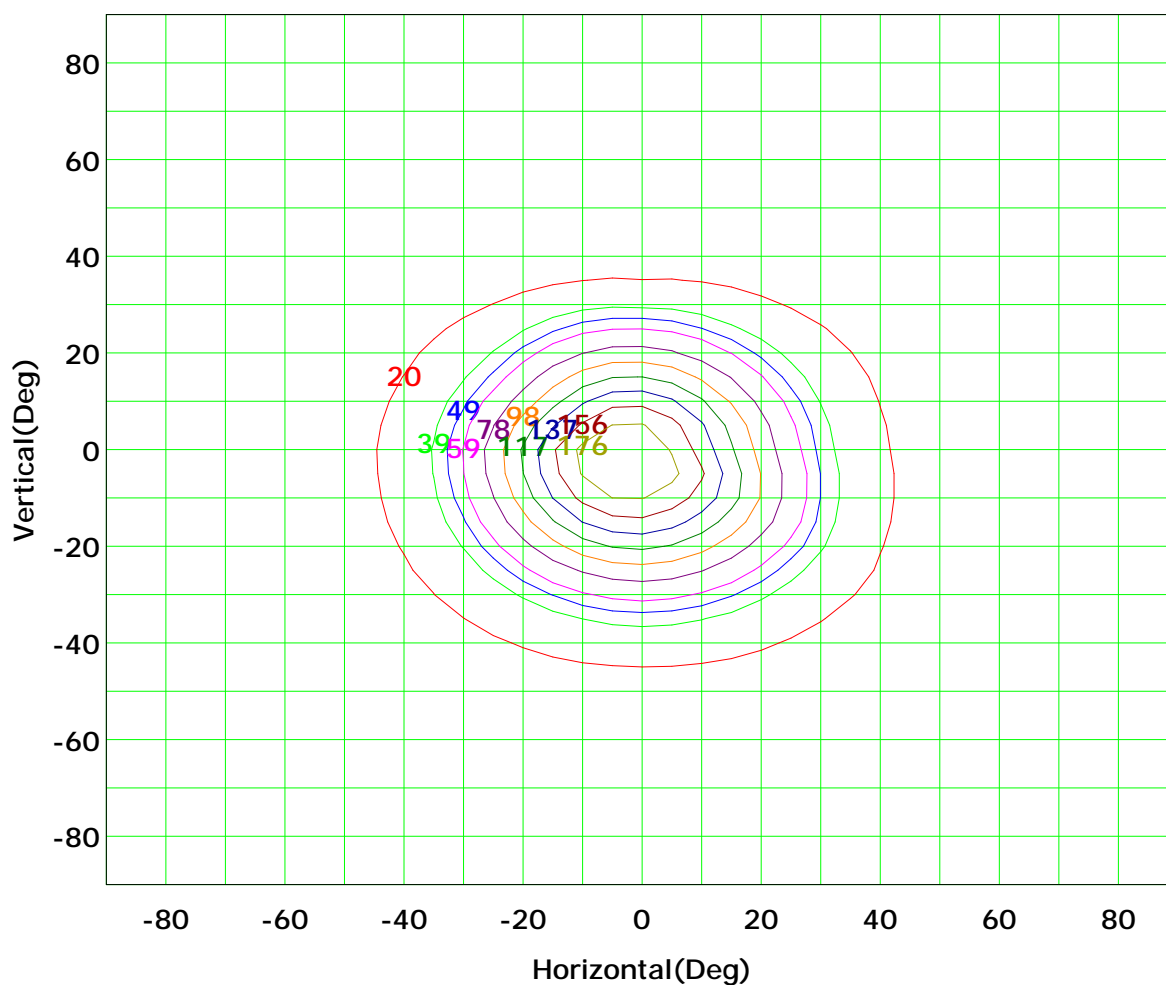
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



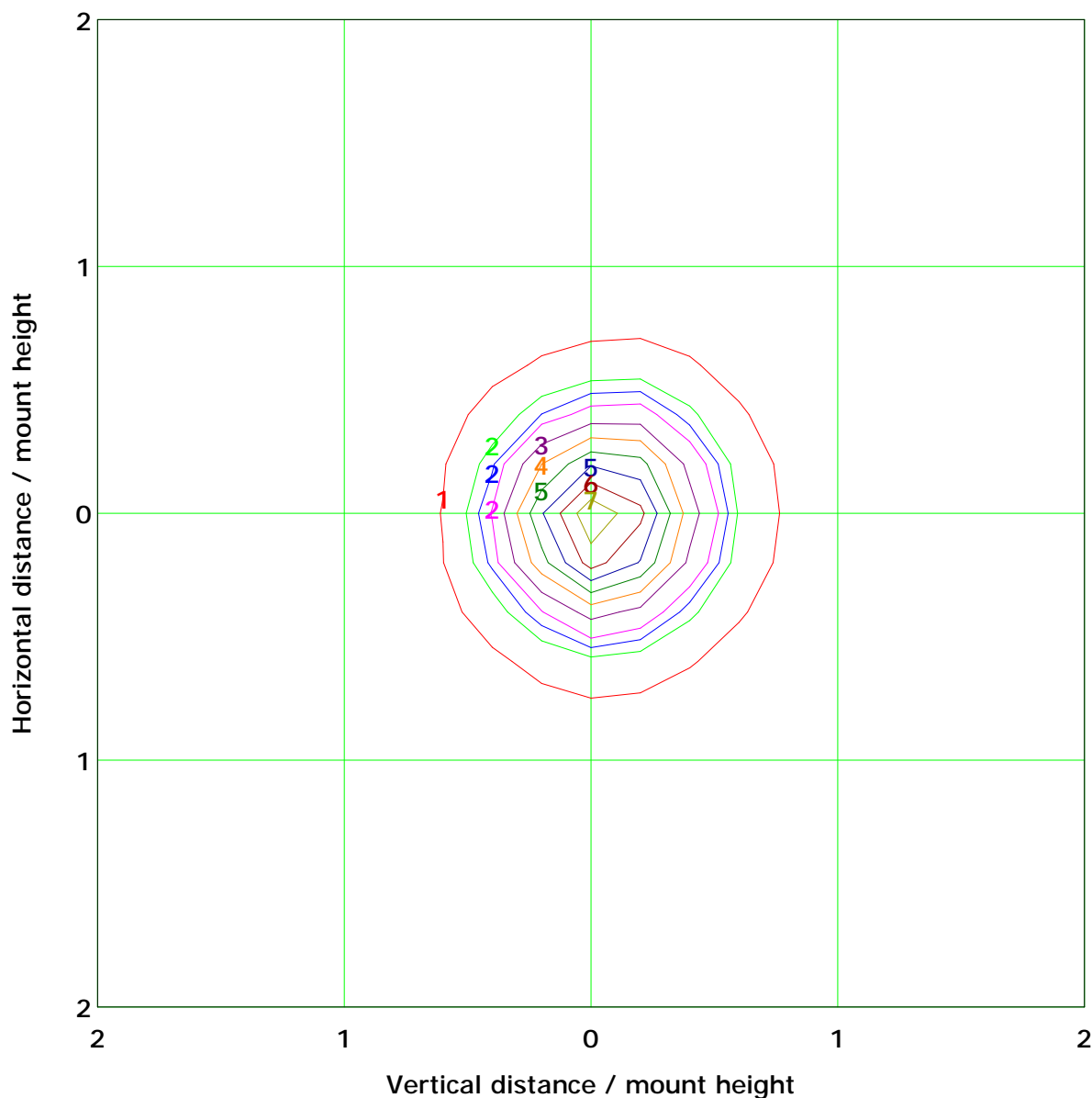
I<sub>max</sub> (100%): 195 cd

( 10%):	20 cd	( 20%):	39 cd
( 25%):	49 cd	( 30%):	59 cd
( 40%):	78 cd	( 50%):	98 cd
( 60%):	117 cd	( 70%):	137 cd
( 80%):	156 cd	( 90%):	176 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%): 7.8 lx

( 10%): 0.8 lx	( 20%): 1.6 lx
( 25%): 1.9 lx	( 30%): 2.3 lx
( 40%): 3.1 lx	( 50%): 3.9 lx
( 60%): 4.7 lx	( 70%): 5.4 lx
( 80%): 6.2 lx	( 90%): 7.0 lx

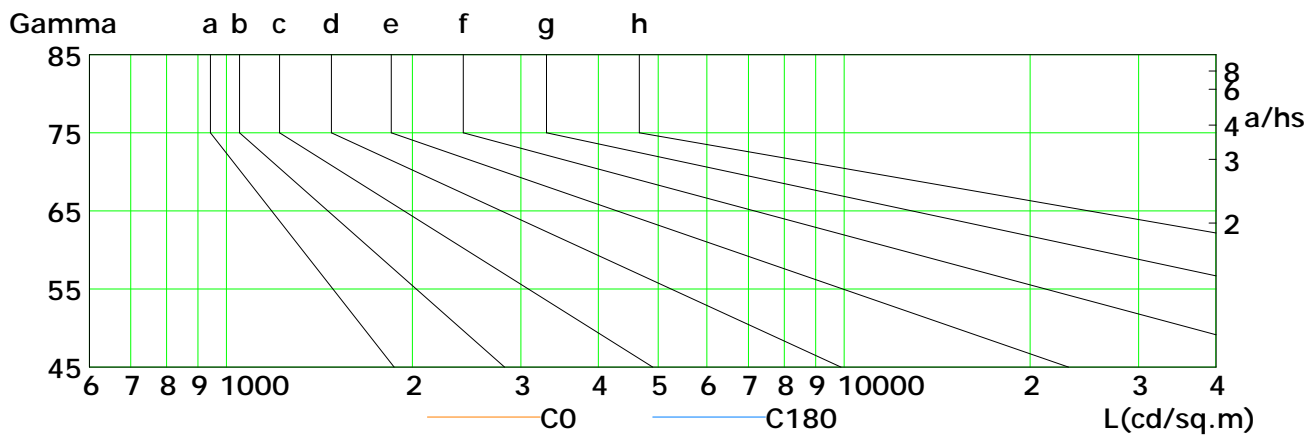
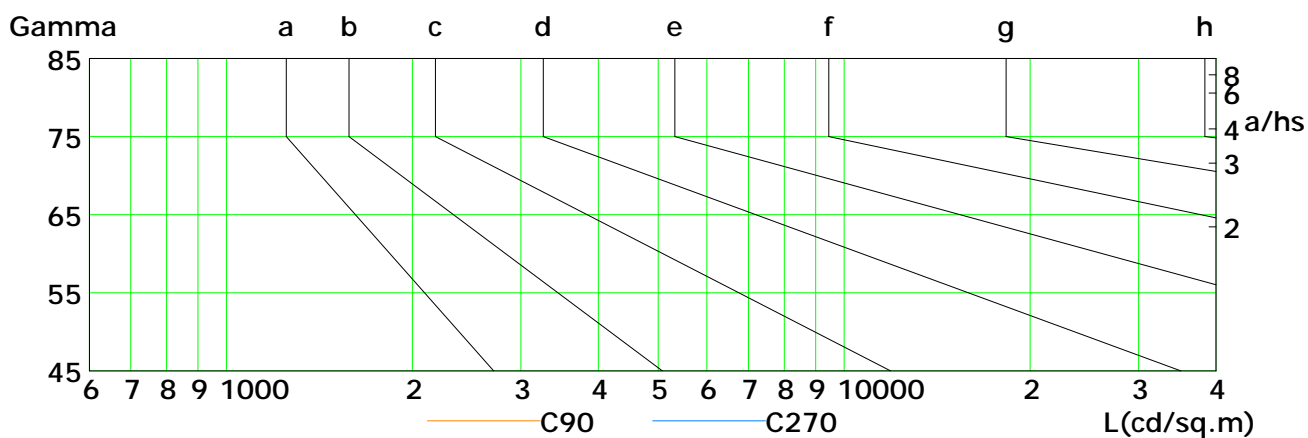
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

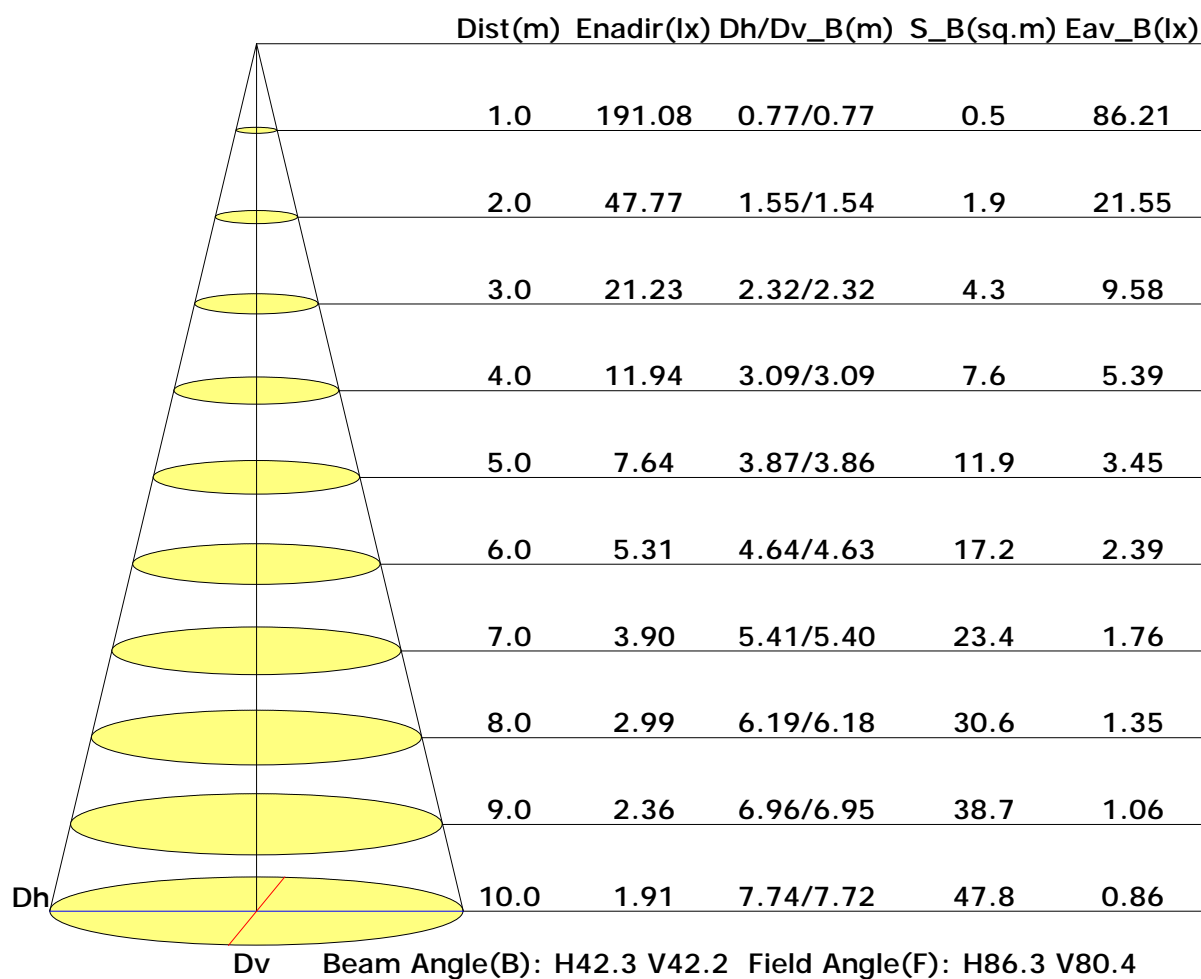


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	312	217	156	115	84	60	39	20	7
C90	583	404	290	211	159	115	82	55	31
C180	252	178	129	95	68	46	29	13	6
C270	193	122	64	18	5	7	10	9	10

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

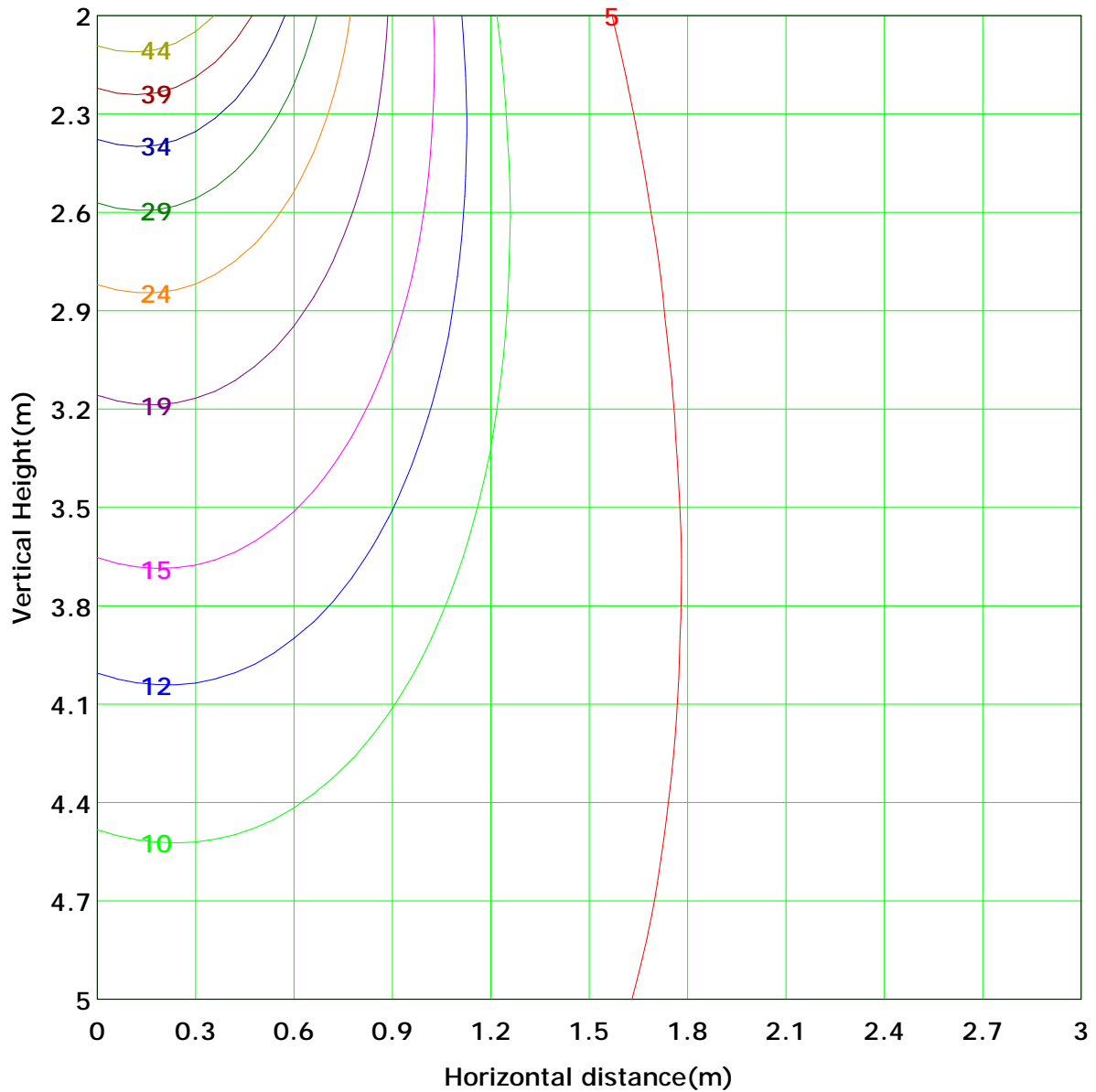


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 48.6 lx
( 10%): 4.9 lx	( 20%): 9.7 lx	
( 25%): 12.2 lx	( 30%): 14.6 lx	
( 40%): 19.4 lx	( 50%): 24.3 lx	
( 60%): 29.2 lx	( 70%): 34.0 lx	
( 80%): 38.9 lx	( 90%): 43.7 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

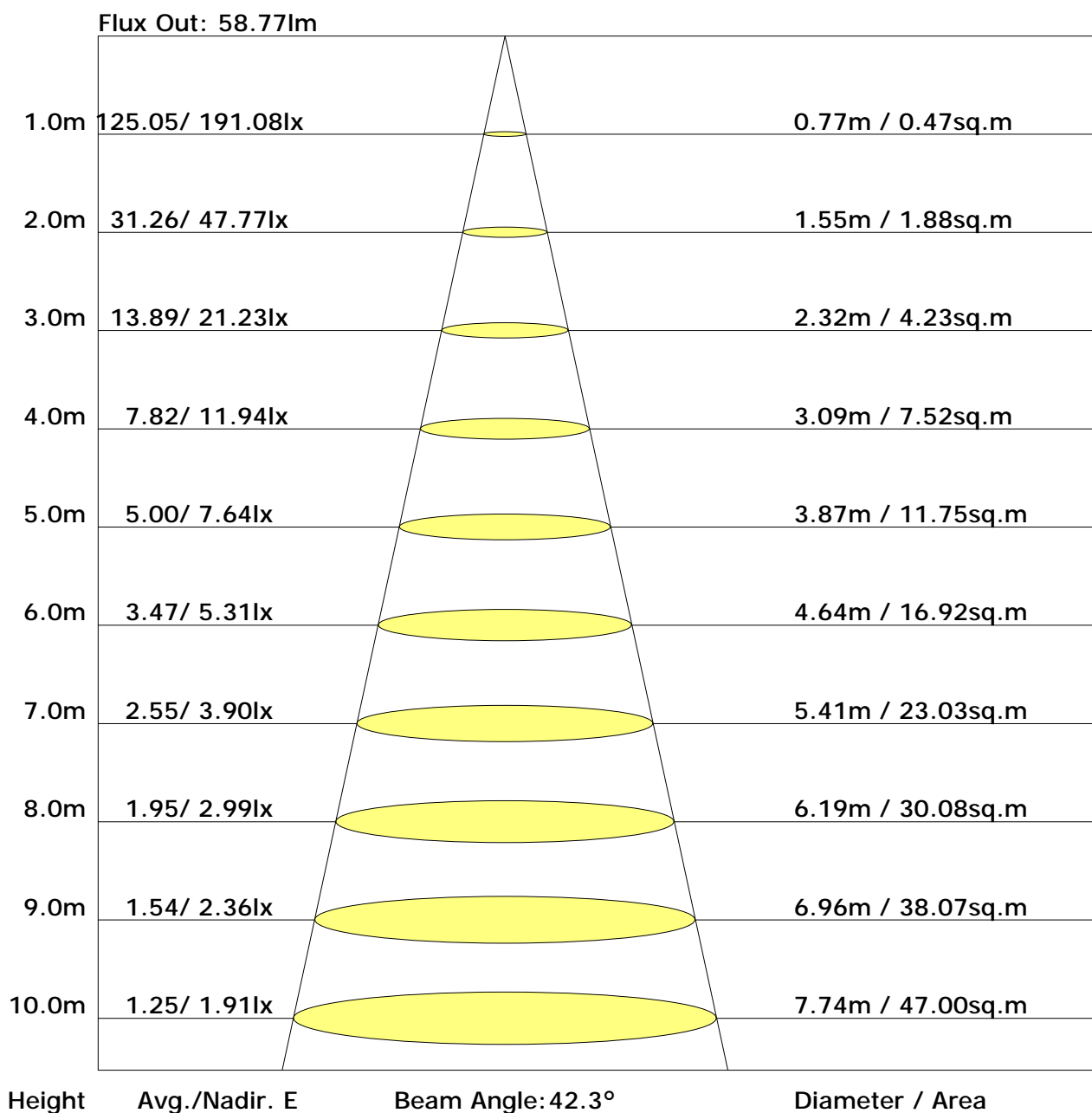
Unit: lm

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	0.0	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
	-70	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	0.1	0.1	0.1	0.1	0.1	0.5	0.0
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.0
	-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	2.6	0.0
	-40	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.6	0.6	0.8	0.8	0.8	0.4	0.3	0.2	0.1	0.0	0.0	5.4	0.0
	-30	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7	1.3	1.7	1.9	1.9	1.7	0.7	0.7	0.4	0.1	0.0	0.0	9.2	0.0
	-20	0.0	0.0	0.0	0.0	0.5	0.5	1.2	1.2	2.3	3.2	3.7	3.7	3.2	1.2	1.2	0.7	0.1	0.0	0.0	10.6	0.0
	-10	0.0	0.0	0.0	0.0	0.6	0.6	2.0	2.0	4.8	5.3	5.7	5.7	4.8	2.6	2.7	1.3	0.1	0.0	0.0	18.4	0.0
	0	0.0	0.0	0.0	0.0	0.6	0.6	2.7	2.7	5.2	5.7	6.1	6.1	5.2	3.5	3.5	2.0	0.1	0.0	0.0	25.4	0.0
	10	0.0	0.0	0.0	0.0	0.5	0.5	2.0	2.0	3.9	4.3	4.7	4.7	3.9	2.6	2.7	1.3	0.1	0.0	0.0	26.5	0.0
	20	0.0	0.0	0.0	0.0	0.4	0.4	1.2	1.2	2.1	2.3	2.3	2.3	2.1	1.4	1.4	0.8	0.1	0.0	0.0	20.4	0.0
	30	0.0	0.0	0.0	0.0	0.2	0.2	0.6	0.6	0.9	1.0	1.0	1.0	0.9	0.7	0.7	0.4	0.1	0.0	0.0	11.8	0.0
	40	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.0	5.9	0.0
	50	0.0	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	0.2	0.1	0.1	0.0	0.0	2.8	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.3	0.0
	70	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	0.6	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	0.2	0.0
	90	0.0	0.1	0.5	1.2	2.6	5.4	10.6	17.1	24.1	25.4	26.5	26.5	25.4	24.1	24.1	25.3	19.1	10.4	4.2	0.0	0.0
	Flux(T)	0.0	0.1	0.5	1.2	2.6	5.4	10.6	17.1	24.1	25.4	26.5	26.5	25.4	24.1	24.1	25.3	19.1	10.4	4.2	0.0	0.0
	Flux(E)	0.0	0.0	0.0	0.0	0.2	3.7	9.2	17.1	24.1	25.3	26.5	26.5	25.4	24.1	24.1	25.3	19.1	10.4	4.2	0.0	0.0
	Flux(T)Flux(E)																				134	114

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	9.3	10.4	9.7	10.7	11.1	8.4	9.5	8.8	9.8	10.2
3H	10.3	11.3	10.7	11.6	12.1	9.0	10.0	9.4	10.4	10.8
4H	10.6	11.5	11.0	11.9	12.3	9.2	10.1	9.6	10.5	10.9
6H	10.7	11.5	11.2	12.0	12.4	9.2	10.0	9.7	10.4	10.9
8H	10.7	11.5	11.2	11.9	12.4	9.2	10.0	9.7	10.4	10.9
12H	10.7	11.4	11.2	11.9	12.3	9.2	9.9	9.6	10.3	10.8
X=4H Y=2H	9.2	10.1	9.7	10.5	11.0	8.7	9.6	9.1	10.0	10.4
3H	10.4	11.1	10.8	11.5	12.0	9.5	10.2	9.9	10.6	11.1
4H	10.7	11.4	11.2	11.8	12.3	9.6	10.3	10.1	10.8	11.3
6H	10.9	11.4	11.4	11.9	12.4	9.7	10.3	10.2	10.8	11.3
8H	10.9	11.4	11.4	11.9	12.4	9.7	10.3	10.2	10.7	11.3
12H	10.9	11.3	11.4	11.8	12.4	9.7	10.2	10.2	10.7	11.2
X=8H Y=4H	10.6	11.1	11.1	11.6	12.1	9.7	10.2	10.2	10.7	11.2
6H	10.8	11.2	11.3	11.8	12.3	9.8	10.3	10.4	10.8	11.3
8H	10.8	11.2	11.4	11.7	12.3	9.8	10.2	10.4	10.8	11.3
12H	10.8	11.2	11.4	11.7	12.3	9.8	10.2	10.4	10.7	11.3
X=12H Y=4H	10.6	11.0	11.1	11.5	12.1	9.7	10.1	10.2	10.7	11.2
6H	10.7	11.1	11.3	11.6	12.2	9.8	10.2	10.4	10.7	11.3
8H	10.8	11.1	11.3	11.6	12.3	9.8	10.2	10.4	10.7	11.3

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	0.79	0.86	0.91	0.95	0.99	1.02	1.05	1.07	1.09
	0.30		0.73	0.81	0.86	0.90	0.95	0.99	1.01	1.05	1.07
	0.20		0.70	0.77	0.82	0.87	0.92	0.96	0.99	1.02	1.05
0.50	0.50	0.20	0.77	0.84	0.89	0.92	0.96	0.99	1.01	1.03	1.05
	0.30		0.73	0.80	0.85	0.88	0.93	0.96	0.98	1.01	1.03
	0.20		0.69	0.76	0.81	0.85	0.90	0.94	0.96	0.99	1.01
0.30	0.50	0.20	0.76	0.82	0.86	0.89	0.93	0.96	0.97	0.99	1.01
	0.30		0.72	0.78	0.83	0.86	0.91	0.93	0.95	0.98	0.99
	0.20		0.69	0.76	0.80	0.84	0.88	0.91	0.93	0.96	0.98
0.00	0.00	0.00	0.67	0.73	0.78	0.81	0.85	0.87	0.89	0.91	0.93
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	0.67	0.54	0.45	0.39	0.31	0.25	0.22	0.17	0.14
	0.30		0.56	0.46	0.40	0.35	0.28	0.23	0.20	0.16	0.13
	0.20		0.48	0.40	0.35	0.31	0.25	0.21	0.19	0.15	0.12
0.50	0.50	0.20	0.63	0.51	0.43	0.37	0.29	0.27	0.20	0.15	0.12
	0.30		0.54	0.44	0.38	0.33	0.26	0.22	0.19	0.14	0.12
	0.20		0.47	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.11
0.30	0.50	0.20	0.61	0.48	0.40	0.34	0.27	0.22	0.18	0.14	0.11
	0.30		0.52	0.42	0.36	0.31	0.25	0.20	0.17	0.13	0.11
	0.20		0.45	0.38	0.32	0.28	0.23	0.19	0.16	0.13	0.11
0.00	0.00	0.00	0.32	0.26	0.21	0.18	0.14	0.12	0.10	0.07	0.06
<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	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.14	0.16	0.17	0.17	0.19	0.19	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rating: 10W 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	191.9	0.2	0.2	0.13	0.13
1.0-2.0	191.3	0.5	0.7	0.40	0.54
2.0-3.0	190.1	0.9	1.6	0.67	1.20
3.0-4.0	188.3	1.3	2.9	0.92	2.13
4.0-5.0	186.0	1.6	4.5	1.17	3.30
5.0-6.0	183.1	1.9	6.4	1.41	4.71
6.0-7.0	179.8	2.2	8.7	1.63	6.34
7.0-8.0	175.9	2.5	11.2	1.84	8.19
8.0-9.0	171.6	2.8	14.0	2.04	10.23
9.0-10.0	166.8	3.0	17.0	2.21	12.44
10.0-11.0	161.8	3.2	20.2	2.37	14.81
11.0-12.0	156.3	3.4	23.6	2.50	17.31
12.0-13.0	150.6	3.6	27.2	2.62	19.93
13.0-14.0	144.7	3.7	30.9	2.71	22.64
14.0-15.0	138.6	3.8	34.7	2.79	25.43
15.0-16.0	132.3	3.9	38.6	2.84	28.27
16.0-17.0	126.1	3.9	42.5	2.88	31.15
17.0-18.0	119.7	3.9	46.5	2.89	34.04
18.0-19.0	113.4	3.9	50.4	2.89	36.93
19.0-20.0	107.1	3.9	54.3	2.87	39.81
20.0-21.0	100.9	3.9	58.2	2.84	42.65
21.0-22.0	94.8	3.8	62.0	2.79	45.44
22.0-23.0	88.9	3.7	65.7	2.73	48.17
23.0-24.0	83.2	3.6	69.4	2.67	50.84
24.0-25.0	77.7	3.5	72.9	2.59	53.43
25.0-26.0	72.5	3.4	76.3	2.51	55.94
26.0-27.0	67.5	3.3	79.6	2.42	58.35
27.0-28.0	62.7	3.2	82.8	2.32	60.68
28.0-29.0	58.1	3.0	85.9	2.23	62.91
29.0-30.0	53.8	2.9	88.8	2.13	65.04
30.0-31.0	49.7	2.8	91.5	2.03	67.06
31.0-32.0	45.9	2.6	94.2	1.93	68.99
32.0-33.0	42.3	2.5	96.7	1.83	70.82
33.0-34.0	38.9	2.4	99.0	1.73	72.54
34.0-35.0	35.8	2.2	101.2	1.63	74.17
35.0-36.0	32.9	2.1	103.3	1.54	75.71

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	30.3	2.0	105.3	1.45	77.16
37.0-38.0	27.8	1.9	107.2	1.36	78.51
38.0-39.0	25.5	1.7	108.9	1.28	79.79
39.0-40.0	23.4	1.6	110.5	1.20	80.99
40.0-41.0	21.6	1.5	112.1	1.13	82.11
41.0-42.0	19.9	1.4	113.5	1.06	83.17
42.0-43.0	18.3	1.4	114.9	0.99	84.17
43.0-44.0	16.9	1.3	116.2	0.93	85.10
44.0-45.0	15.6	1.2	117.3	0.88	85.98
45.0-46.0	14.4	1.1	118.5	0.83	86.80
46.0-47.0	13.3	1.1	119.5	0.78	87.58
47.0-48.0	12.3	1.0	120.5	0.73	88.31
48.0-49.0	11.4	0.9	121.5	0.69	89.00
49.0-50.0	10.6	0.9	122.4	0.65	89.64
50.0-51.0	9.8	0.8	123.2	0.61	90.25
51.0-52.0	9.1	0.8	124.0	0.57	90.83
52.0-53.0	8.4	0.7	124.7	0.54	91.36
53.0-54.0	7.8	0.7	125.4	0.50	91.87
54.0-55.0	7.3	0.6	126.0	0.47	92.34
55.0-56.0	6.7	0.6	126.6	0.45	92.79
56.0-57.0	6.2	0.6	127.2	0.42	93.21
57.0-58.0	5.8	0.5	127.7	0.39	93.60
58.0-59.0	5.3	0.5	128.2	0.36	93.96
59.0-60.0	4.9	0.5	128.7	0.34	94.30
60.0-61.0	4.5	0.4	129.1	0.32	94.62
61.0-62.0	4.2	0.4	129.5	0.30	94.92
62.0-63.0	3.9	0.4	129.9	0.28	95.19
63.0-64.0	3.6	0.4	130.3	0.26	95.46
64.0-65.0	3.4	0.3	130.6	0.24	95.70
65.0-66.0	3.1	0.3	130.9	0.23	95.93
66.0-67.0	2.9	0.3	131.2	0.22	96.14
67.0-68.0	2.7	0.3	131.5	0.20	96.34
68.0-69.0	2.5	0.3	131.8	0.19	96.53
69.0-70.0	2.3	0.2	132.0	0.17	96.70
70.0-71.0	2.1	0.2	132.2	0.16	96.86
71.0-72.0	1.9	0.2	132.4	0.14	97.00

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 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	1.7	0.2	132.6	0.13	97.13
73.0-74.0	1.6	0.2	132.7	0.12	97.25
74.0-75.0	1.4	0.2	132.9	0.11	97.37
75.0-76.0	1.3	0.1	133.0	0.10	97.46
76.0-77.0	1.1	0.1	133.2	0.09	97.55
77.0-78.0	1.0	0.1	133.3	0.08	97.63
78.0-79.0	0.9	0.1	133.4	0.07	97.70
79.0-80.0	0.8	0.1	133.4	0.06	97.77
80.0-81.0	0.7	0.1	133.5	0.06	97.82
81.0-82.0	0.6	0.1	133.6	0.05	97.87
82.0-83.0	0.5	0.1	133.6	0.04	97.91
83.0-84.0	0.5	0.1	133.7	0.04	97.95
84.0-85.0	0.4	0.0	133.7	0.03	97.98
85.0-86.0	0.3	0.0	133.8	0.03	98.01
86.0-87.0	0.3	0.0	133.8	0.02	98.03
87.0-88.0	0.3	0.0	133.8	0.02	98.06
88.0-89.0	0.3	0.0	133.9	0.02	98.08
89.0-90.0	0.3	0.0	133.9	0.02	98.10
90.0-91.0	0.3	0.0	133.9	0.02	98.12
91.0-92.0	0.3	0.0	134.0	0.02	98.14
92.0-93.0	0.3	0.0	134.0	0.02	98.16
93.0-94.0	0.3	0.0	134.0	0.02	98.18
94.0-95.0	0.3	0.0	134.0	0.02	98.21
95.0-96.0	0.3	0.0	134.1	0.02	98.23
96.0-97.0	0.3	0.0	134.1	0.02	98.25
97.0-98.0	0.3	0.0	134.1	0.02	98.27
98.0-99.0	0.2	0.0	134.2	0.02	98.29
99.0-100.0	0.2	0.0	134.2	0.02	98.31
100.0-101.0	0.2	0.0	134.2	0.02	98.32
101.0-102.0	0.2	0.0	134.2	0.02	98.34
102.0-103.0	0.2	0.0	134.3	0.02	98.36
103.0-104.0	0.2	0.0	134.3	0.02	98.38
104.0-105.0	0.2	0.0	134.3	0.02	98.40
105.0-106.0	0.2	0.0	134.3	0.02	98.42
106.0-107.0	0.2	0.0	134.4	0.02	98.43
107.0-108.0	0.2	0.0	134.4	0.02	98.45

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	0.3	0.0	134.4	0.02	98.47
109.0-110.0	0.3	0.0	134.4	0.02	98.49
110.0-111.0	0.2	0.0	134.5	0.02	98.51
111.0-112.0	0.3	0.0	134.5	0.02	98.53
112.0-113.0	0.3	0.0	134.5	0.02	98.55
113.0-114.0	0.3	0.0	134.5	0.02	98.57
114.0-115.0	0.3	0.0	134.6	0.02	98.59
115.0-116.0	0.3	0.0	134.6	0.02	98.60
116.0-117.0	0.3	0.0	134.6	0.02	98.62
117.0-118.0	0.3	0.0	134.6	0.02	98.65
118.0-119.0	0.3	0.0	134.7	0.02	98.67
119.0-120.0	0.3	0.0	134.7	0.02	98.69
120.0-121.0	0.3	0.0	134.7	0.02	98.71
121.0-122.0	0.3	0.0	134.8	0.02	98.73
122.0-123.0	0.3	0.0	134.8	0.02	98.75
123.0-124.0	0.3	0.0	134.8	0.02	98.77
124.0-125.0	0.3	0.0	134.8	0.02	98.79
125.0-126.0	0.3	0.0	134.9	0.02	98.82
126.0-127.0	0.4	0.0	134.9	0.02	98.84
127.0-128.0	0.4	0.0	134.9	0.02	98.86
128.0-129.0	0.4	0.0	135.0	0.02	98.89
129.0-130.0	0.4	0.0	135.0	0.02	98.91
130.0-131.0	0.4	0.0	135.0	0.02	98.94
131.0-132.0	0.4	0.0	135.1	0.03	98.96
132.0-133.0	0.5	0.0	135.1	0.03	98.99
133.0-134.0	0.5	0.0	135.1	0.03	99.02
134.0-135.0	0.5	0.0	135.2	0.03	99.04
135.0-136.0	0.5	0.0	135.2	0.03	99.07
136.0-137.0	0.5	0.0	135.3	0.03	99.10
137.0-138.0	0.5	0.0	135.3	0.03	99.12
138.0-139.0	0.5	0.0	135.3	0.03	99.15
139.0-140.0	0.5	0.0	135.4	0.03	99.18
140.0-141.0	0.6	0.0	135.4	0.03	99.21
141.0-142.0	0.6	0.0	135.5	0.03	99.24
142.0-143.0	0.6	0.0	135.5	0.03	99.27
143.0-144.0	0.6	0.0	135.5	0.03	99.30

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	0.6	0.0	135.6	0.03	99.33
145.0-146.0	0.7	0.0	135.6	0.03	99.36
146.0-147.0	0.7	0.0	135.7	0.03	99.39
147.0-148.0	0.7	0.0	135.7	0.03	99.42
148.0-149.0	0.7	0.0	135.7	0.03	99.45
149.0-150.0	0.7	0.0	135.8	0.03	99.47
150.0-151.0	0.7	0.0	135.8	0.03	99.50
151.0-152.0	0.7	0.0	135.9	0.03	99.53
152.0-153.0	0.8	0.0	135.9	0.03	99.56
153.0-154.0	0.8	0.0	135.9	0.03	99.59
154.0-155.0	0.8	0.0	136.0	0.03	99.62
155.0-156.0	0.8	0.0	136.0	0.03	99.64
156.0-157.0	0.8	0.0	136.0	0.03	99.67
157.0-158.0	0.8	0.0	136.1	0.03	99.69
158.0-159.0	0.8	0.0	136.1	0.02	99.72
159.0-160.0	0.9	0.0	136.1	0.02	99.74
160.0-161.0	0.9	0.0	136.2	0.02	99.77
161.0-162.0	0.9	0.0	136.2	0.02	99.79
162.0-163.0	0.9	0.0	136.2	0.02	99.81
163.0-164.0	0.9	0.0	136.3	0.02	99.83
164.0-165.0	0.9	0.0	136.3	0.02	99.85
165.0-166.0	0.9	0.0	136.3	0.02	99.87
166.0-167.0	0.9	0.0	136.3	0.02	99.89
167.0-168.0	0.9	0.0	136.4	0.02	99.90
168.0-169.0	1.0	0.0	136.4	0.02	99.92
169.0-170.0	1.0	0.0	136.4	0.01	99.93
170.0-171.0	1.0	0.0	136.4	0.01	99.94
171.0-172.0	1.0	0.0	136.4	0.01	99.96
172.0-173.0	1.0	0.0	136.4	0.01	99.97
173.0-174.0	1.0	0.0	136.5	0.01	99.98
174.0-175.0	1.0	0.0	136.5	0.01	99.98
175.0-176.0	1.0	0.0	136.5	0.01	99.99
176.0-177.0	1.0	0.0	136.5	0.00	99.99
177.0-178.0	1.0	0.0	136.5	0.00	100.00
178.0-179.0	1.0	0.0	136.5	0.00	100.00
179.0-180.0	1.0	0.0	136.5	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: