GENLED Brands
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Report No.: **Test Time: 2023/2/21 14:12**

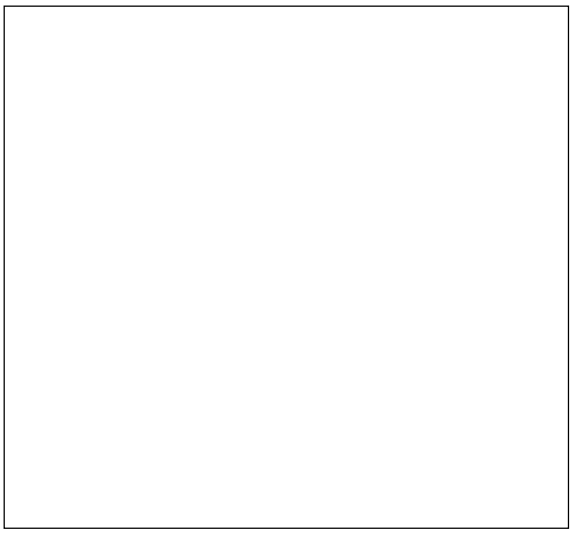
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4040-GREEN ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 219.3 V**
Current: 0.101 A **Power: 9.07 W**
Power Factor: 0.407

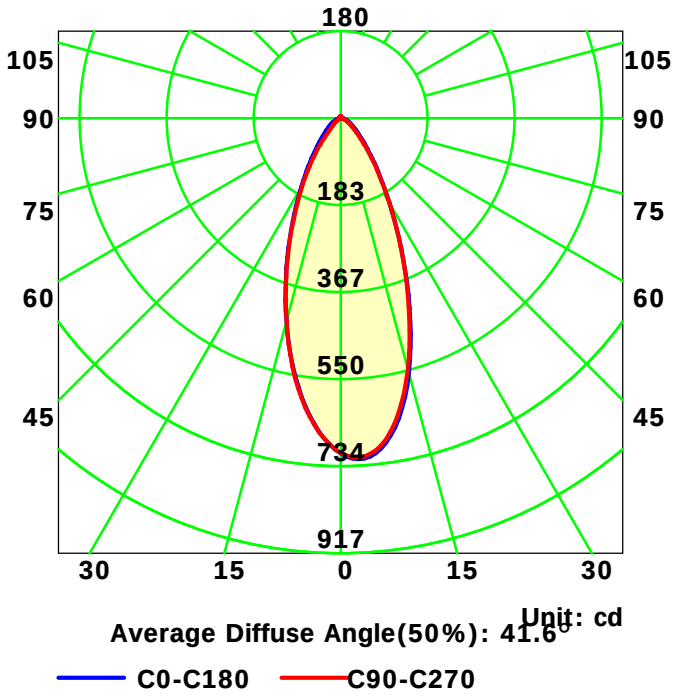
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 501.1 lm**
Measurement Flux: 501.1 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H84.9,H41.7
Vertical Diffuse Angle(10%,50%): V80.4,V41.5
Luminaire Efficacy Rating (LER): 55 **Central Intensity: 707.27 cd**
Max. Intensity: 722.58 cd **Pos of Max. Intensity: H30 V4**

Picture Of Luminaire



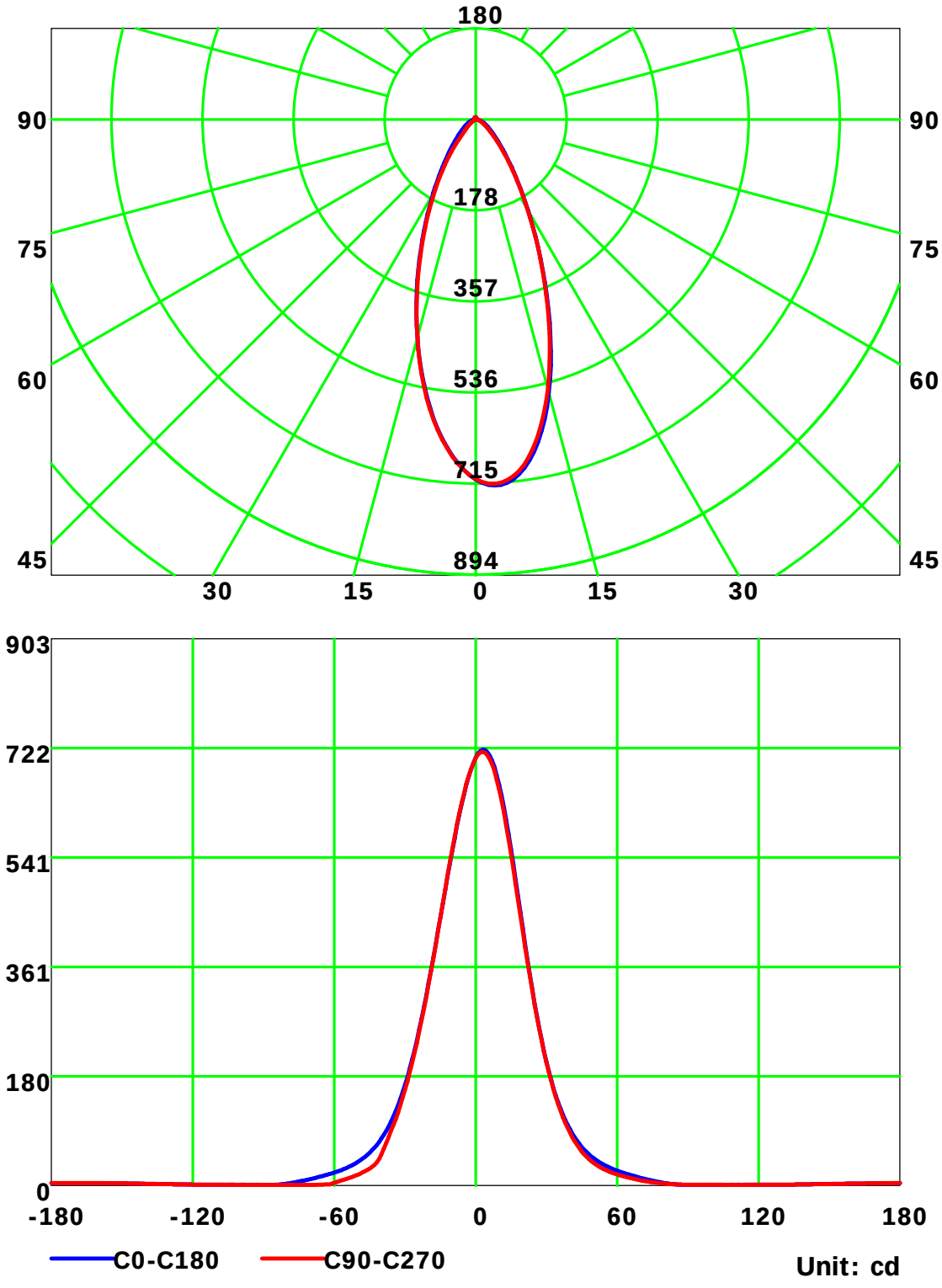
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 41.6
C0-C180 **C90-C270**

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

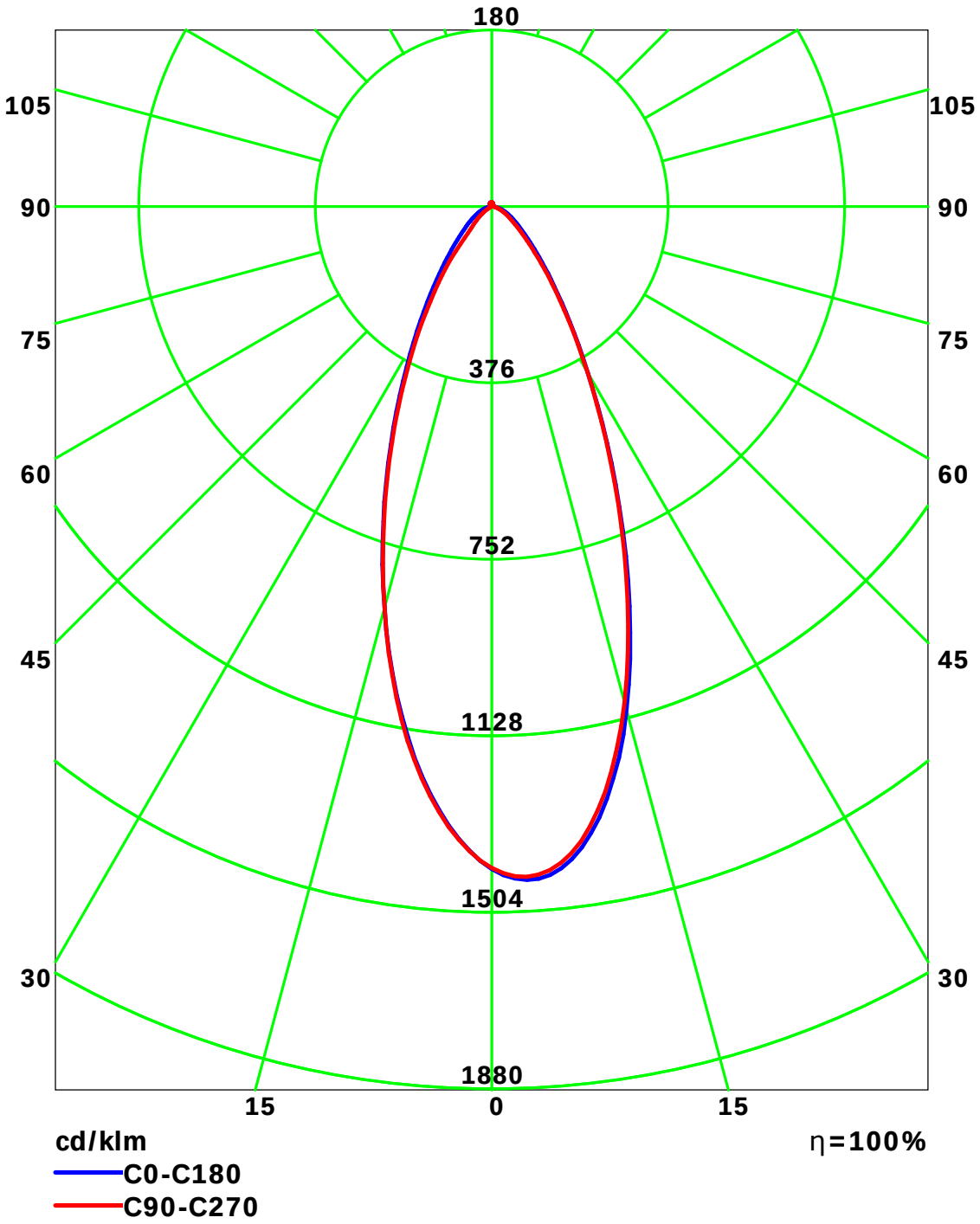
Luminous Intensity Distribution Curve



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

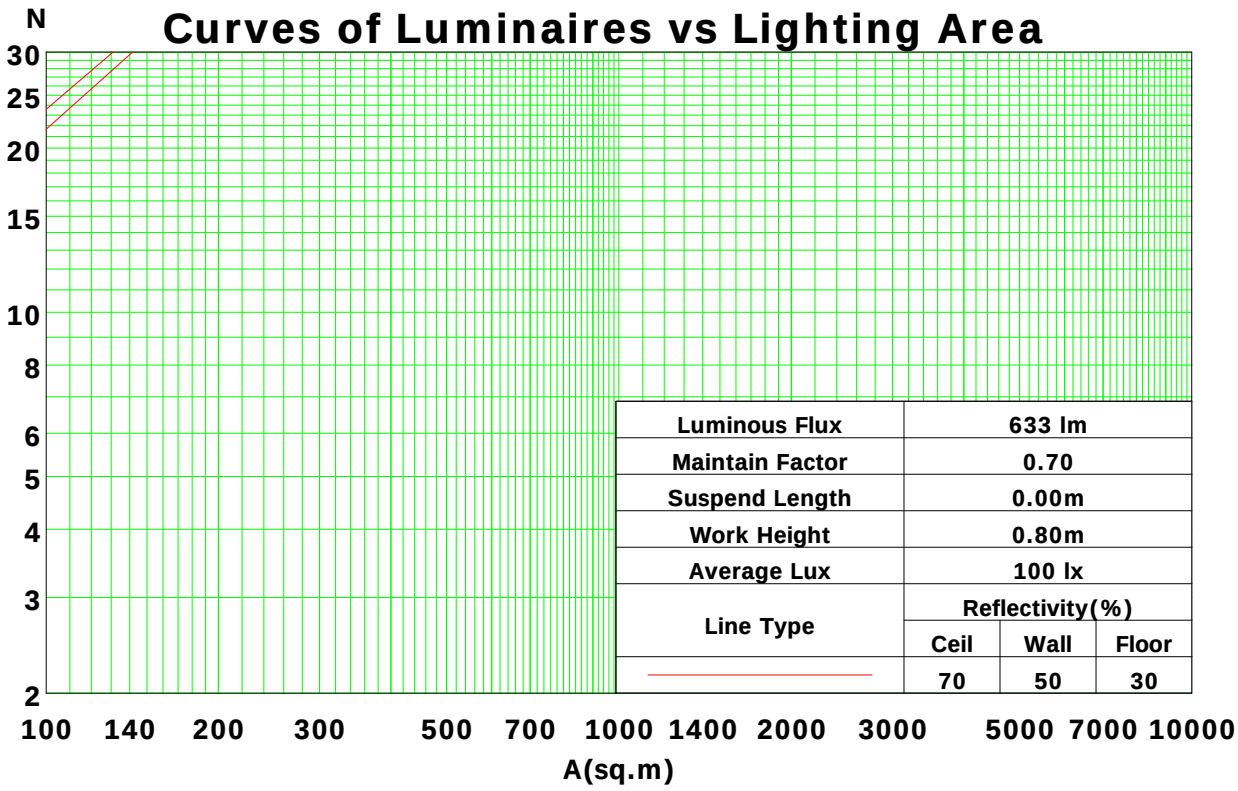
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	109	106	104	109	106	104	102	102	100	98	98	96	95	94	92	91	89
2	106	100	96	92	103	98	94	91	95	91	89	91	89	86	88	86	84	82
3	100	93	88	83	98	91	86	82	88	84	81	85	82	79	83	80	77	76
4	95	86	81	76	92	85	80	75	83	78	74	80	76	73	78	75	72	70
5	90	81	74	70	88	80	74	69	77	72	69	75	71	68	73	70	67	65
6	85	76	69	65	83	75	69	64	73	68	64	71	67	63	69	65	62	61
7	81	71	65	60	79	70	64	60	69	63	60	67	62	59	66	62	58	57
8	77	67	61	56	75	66	60	56	65	60	56	64	59	55	62	58	55	54
9	73	63	57	53	72	63	57	53	62	56	53	60	56	52	59	55	52	51
10	70	60	54	50	69	59	54	50	58	53	50	57	53	49	57	52	49	48

Spacing Criteria (0-180): 0.67
Spacing Criteria (90-270): 0.67
Spacing Criteria (Diagonal): 0.70

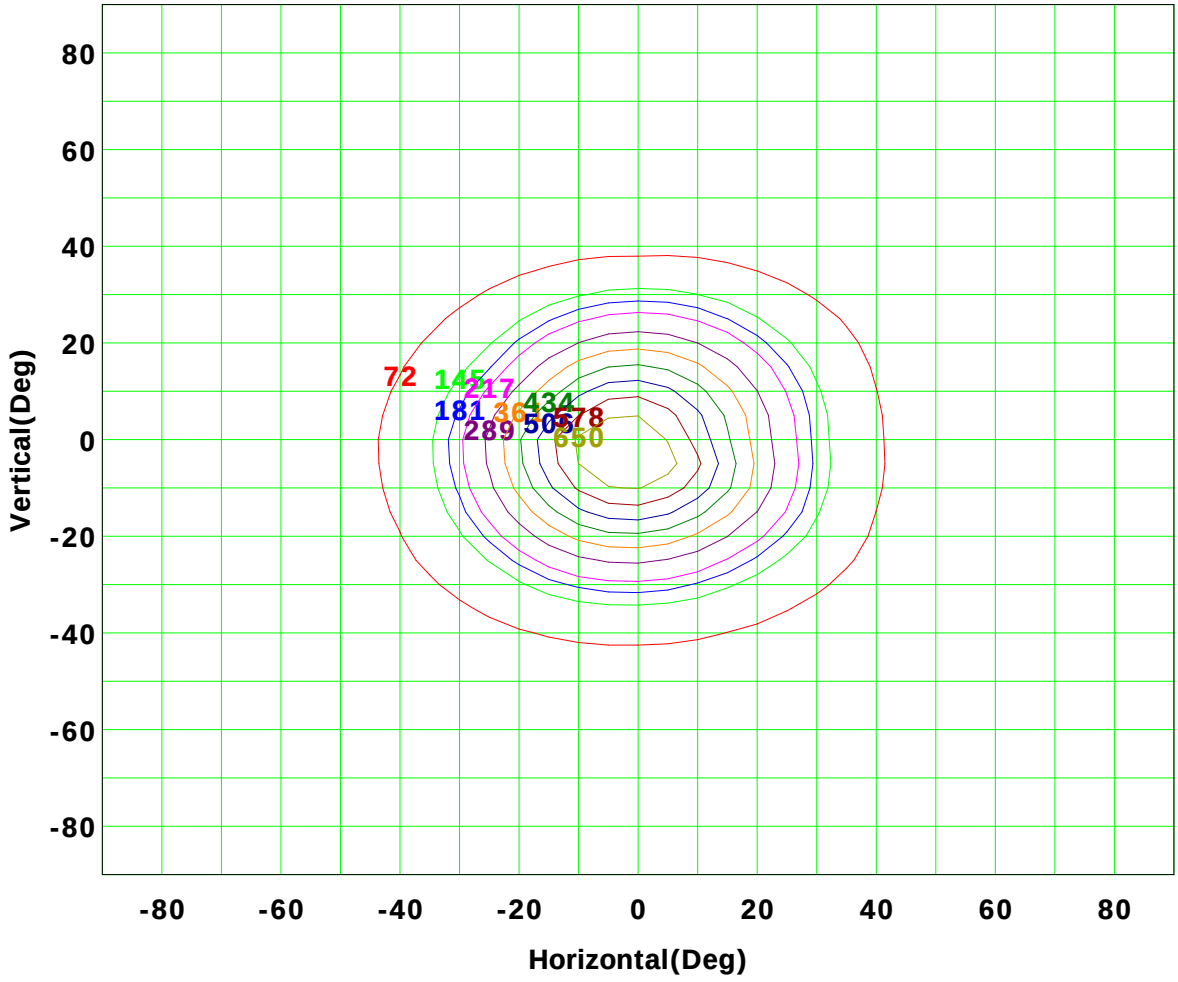
Curves of Luminaires vs Lighting Area



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)



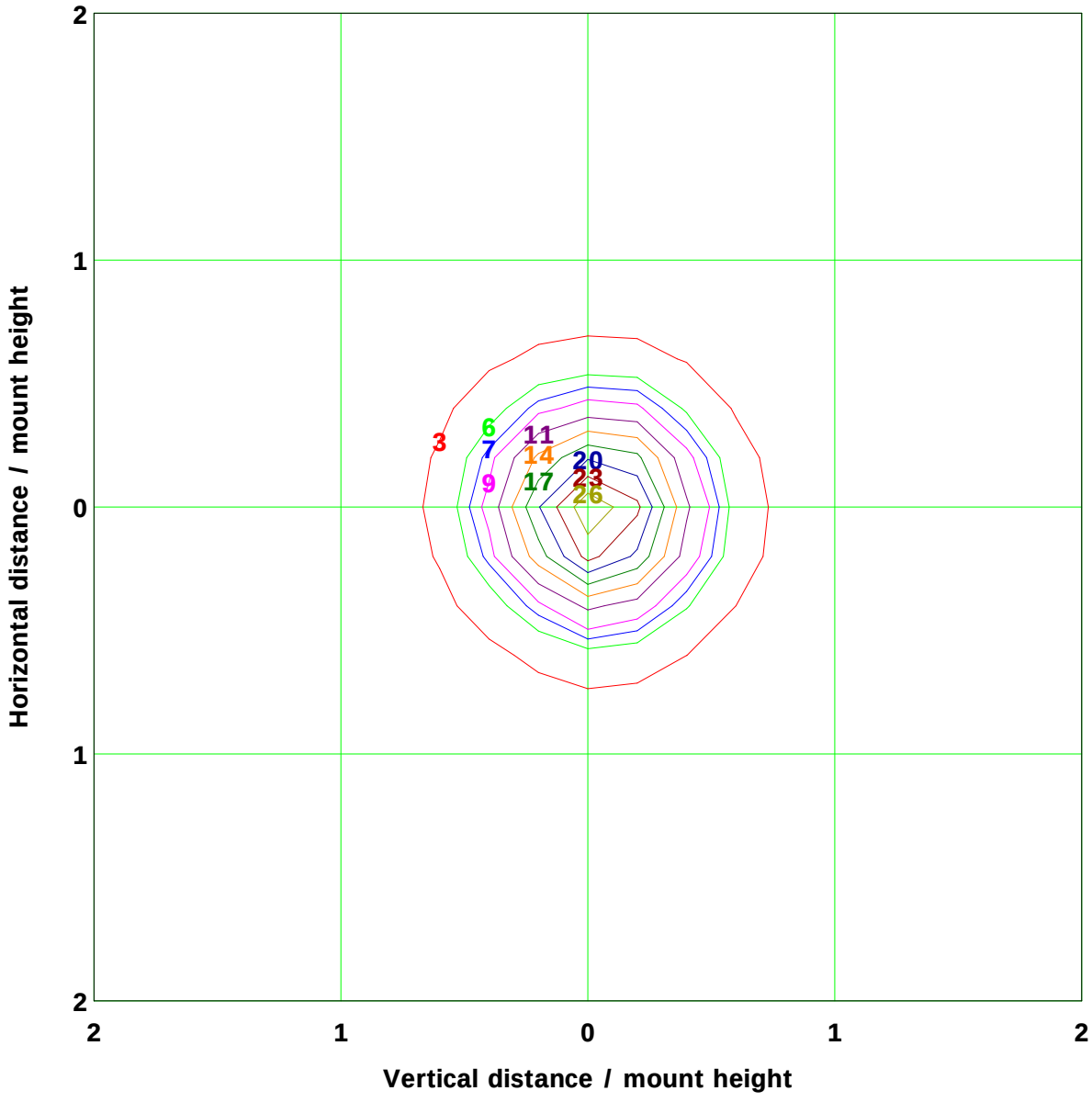
Imax (100%): 723 cd

(10%): 72 cd	(20%): 145 cd
(25%): 181 cd	(30%): 217 cd
(40%): 289 cd	(50%): 361 cd
(60%): 434 cd	(70%): 506 cd
(80%): 578 cd	(90%): 650 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%): 28.7 lx

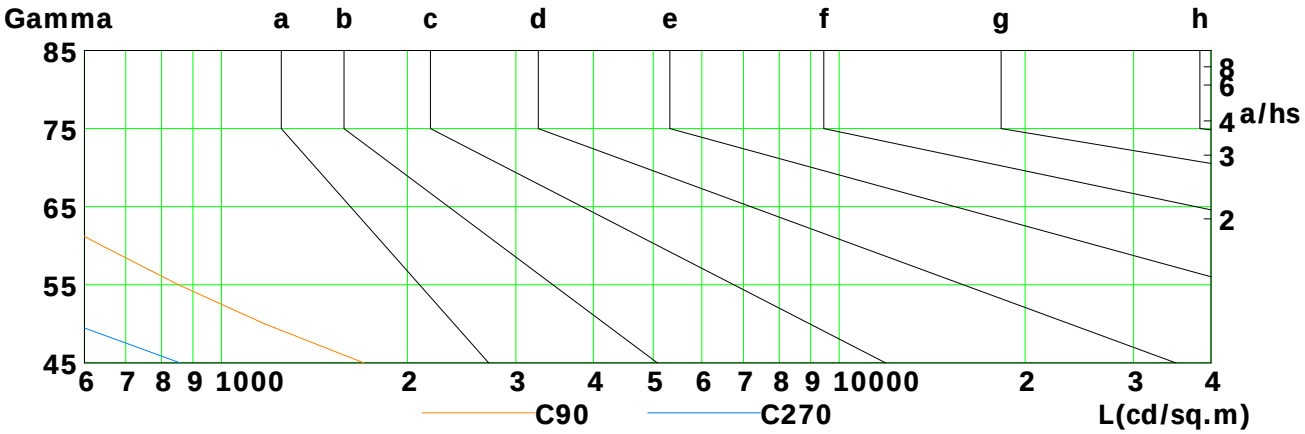
(10%): 2.9 lx	(20%): 5.7 lx
(25%): 7.2 lx	(30%): 8.6 lx
(40%): 11.5 lx	(50%): 14.4 lx
(60%): 17.2 lx	(70%): 20.1 lx
(80%): 23.0 lx	(90%): 25.9 lx

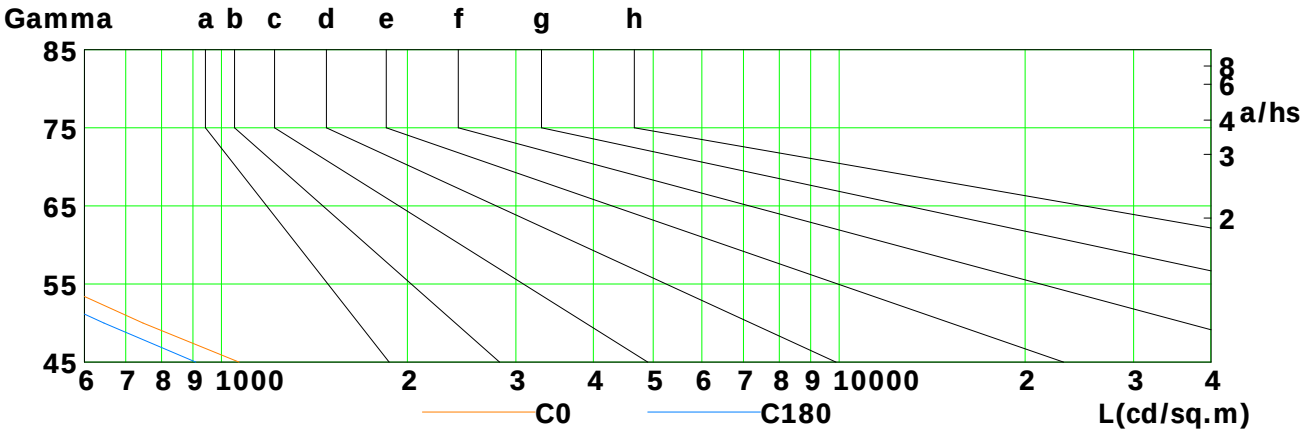
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



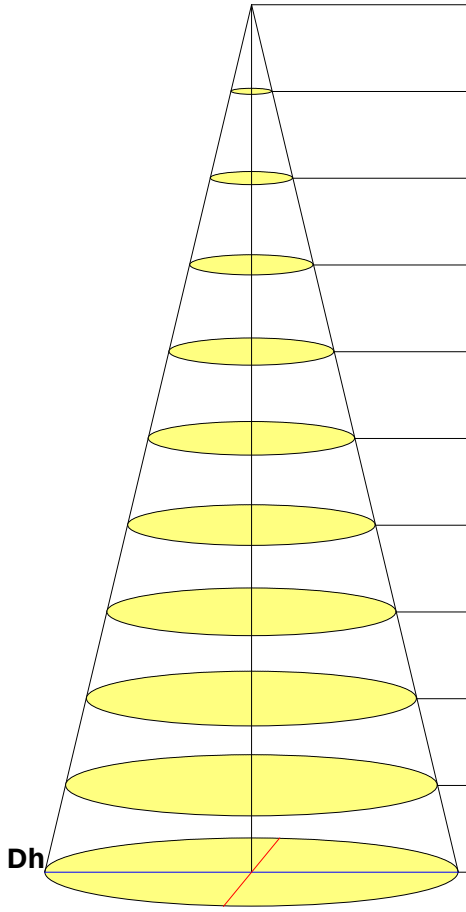


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1068	747	542	403	302	218	146	83	42
C90	1702	1175	853	641	490	362	259	179	133
C180	909	646	472	353	264	186	120	64	33
C270	858	575	367	168	74	63	65	76	93

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



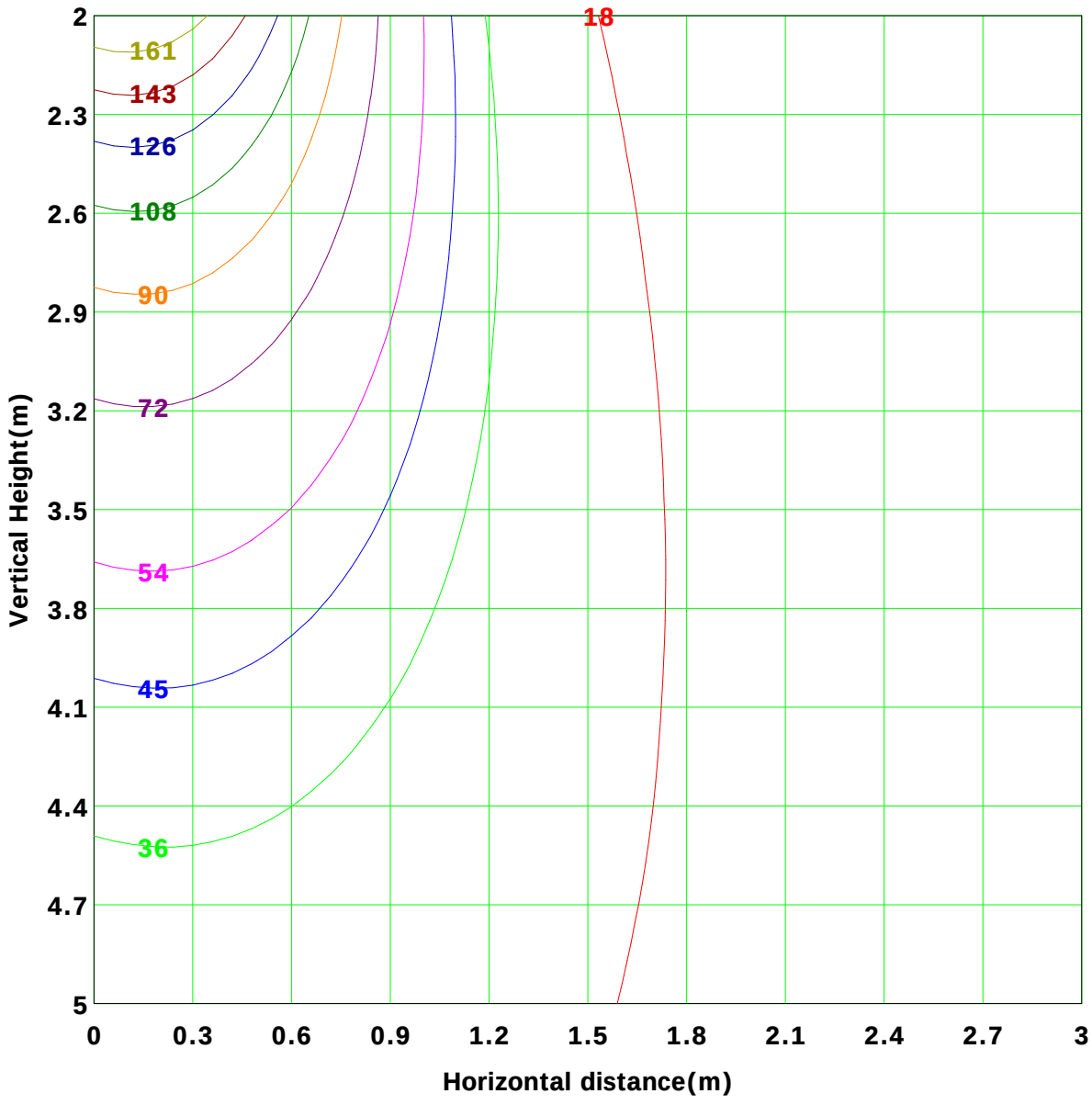
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	707.27	0.76/0.76	0.5	322.74
2.0	176.82	1.52/1.52	1.8	80.69
3.0	78.59	2.28/2.28	4.1	35.86
4.0	44.20	3.04/3.03	7.3	20.17
5.0	28.29	3.81/3.79	11.5	12.91
6.0	19.65	4.57/4.55	16.5	8.97
7.0	14.43	5.33/5.31	22.5	6.59
8.0	11.05	6.09/6.07	29.3	5.04
9.0	8.73	6.85/6.83	37.1	3.98
10.0	7.07	7.61/7.59	45.9	3.23

Beam Angle(B): H41.7 V41.5 Field Angle(F): H84.9 V80.4

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: 179.3 lx

(10%): 17.9 lx
(20%): 35.9 lx
(25%): 44.8 lx
(30%): 53.8 lx
(40%): 71.7 lx
(50%): 89.6 lx
(60%): 107.6 lx
(70%): 125.5 lx
(80%): 143.4 lx
(90%): 161.4 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:

Area Flux Table

Unit: lm

Vertical plane (columns) / Horizontal plane (rows)

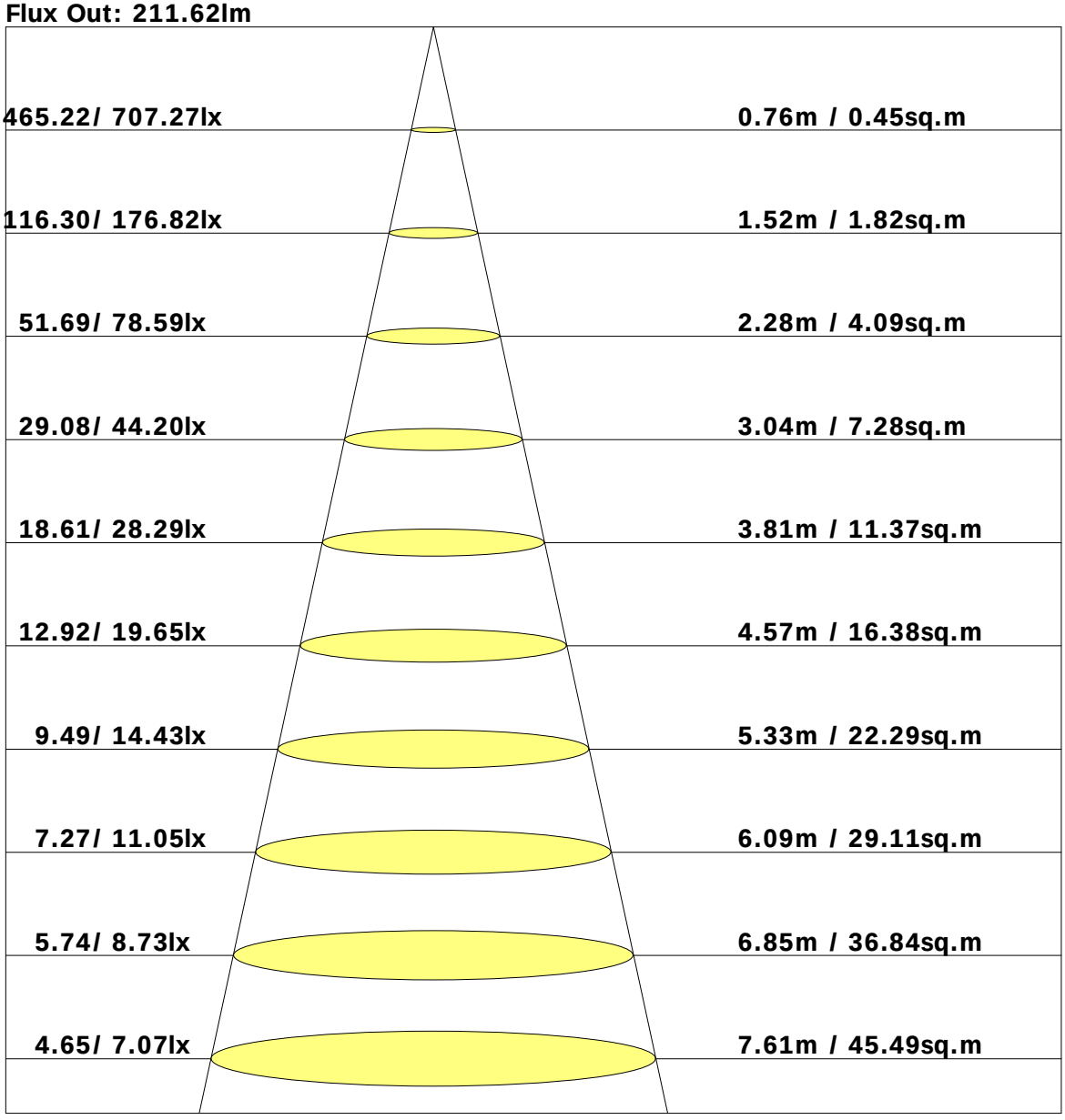
Horizontal plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-70	0.0	2.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
-60	0.0	4.6	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	
-50	0.3	9.5	0.1	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.8	0.6	0.3	0.2	0.1	0.0	0.0	
-40	12.7	19.4	0.1	0.1	0.3	0.5	0.8	1.3	2.0	2.6	3.0	2.9	2.4	1.7	1.0	0.5	0.2	0.1	0.0	0.0	
-30	33.2	38.6	0.1	0.2	0.3	0.6	1.1	2.1	3.8	5.9	6.9	6.5	5.1	3.2	1.6	0.7	0.3	0.1	0.0	0.0	
-20	62.5	67.5	0.1	0.2	0.4	0.7	1.5	3.1	6.3	10.9	13.6	12.3	9.1	5.3	2.5	0.9	0.3	0.1	0.1	0.0	
-10	88.5	93.2	0.1	0.2	0.4	0.8	1.7	4.0	8.7	15.4	19.8	17.9	12.7	7.0	3.0	1.0	0.4	0.1	0.1	0.0	
0	92.1	96.8	0.1	0.2	0.4	0.8	1.8	4.1	9.0	16.1	20.9	19.0	13.0	7.0	3.0	0.9	0.4	0.1	0.1	0.0	
10	68.5	73.4	0.1	0.2	0.4	0.8	1.6	3.4	7.0	12.0	15.7	14.1	9.3	5.2	2.3	0.8	0.3	0.1	0.1	0.0	
20	36.4	41.8	0.1	0.2	0.3	0.6	1.2	2.3	4.1	6.6	8.3	7.5	5.1	3.0	1.5	0.6	0.3	0.1	0.0	0.0	
30	14.1	20.6	0.1	0.1	0.3	0.5	0.8	1.3	2.1	2.9	3.5	3.3	2.4	1.6	0.9	0.5	0.2	0.1	0.0	0.0	
40	1.3	10.0	0.0	0.1	0.2	0.3	0.5	0.7	1.0	1.3	1.4	1.4	1.1	0.8	0.5	0.3	0.2	0.1	0.0	0.0	
50	0.0	4.8	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	
60	0.0	2.2	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
70	0.0	0.7	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	
80	0.0	0.1	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	
90																					
Flux(T)		486	0.8	1.8	3.6	6.7	12.4	24.3	46.4	76.4	96.0	87.7	62.7	36.9	17.8	7.1	3.1	1.0	0.6	0.6	
Flux(E)	410		0.0	0.0	0.0	0.0	1.2	17.7	41.8	72.6	92.3	84.1	58.8	31.9	9.5	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

Flux Out: 211.62lm



Height Avg./Nadir. E Beam Angle:41.7° Diameter / Area

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	9.1	10.1	9.5	10.5	10.9	7.0	8.1	7.5	8.5	8.9
3H	10.1	11.1	10.6	11.5	11.9	7.7	8.7	8.2	9.1	9.5
4H	10.5	11.3	10.9	11.8	12.2	7.9	8.8	8.4	9.2	9.7
6H	10.6	11.4	11.1	11.9	12.3	8.0	8.8	8.4	9.2	9.7
8H	10.7	11.4	11.1	11.9	12.4	8.0	8.7	8.4	9.2	9.7
12H	10.7	11.4	11.1	11.8	12.3	7.9	8.7	8.4	9.1	9.6
X=4H Y=2H	9.0	9.9	9.5	10.3	10.8	7.4	8.3	7.9	8.7	9.2
3H	10.2	10.9	10.6	11.4	11.9	8.2	9.0	8.7	9.4	9.9
4H	10.5	11.2	11.0	11.7	12.2	8.5	9.1	8.9	9.6	10.1
6H	10.8	11.3	11.3	11.8	12.4	8.6	9.1	9.1	9.6	10.2
8H	10.8	11.3	11.3	11.8	12.4	8.6	9.1	9.1	9.6	10.1
12H	10.8	11.3	11.4	11.8	12.4	8.6	9.0	9.1	9.6	10.1
X=8H Y=4H	10.4	11.0	11.0	11.5	12.0	8.5	9.1	9.1	9.6	10.1
6H	10.7	11.1	11.3	11.7	12.2	8.7	9.1	9.3	9.7	10.2
8H	10.8	11.1	11.3	11.7	12.3	8.8	9.1	9.3	9.7	10.3
12H	10.8	11.1	11.4	11.7	12.3	8.8	9.1	9.4	9.7	10.3
X=12H Y=4H	10.4	10.8	10.9	11.4	11.9	8.5	9.0	9.1	9.5	10.1
6H	10.6	11.0	11.2	11.5	12.2	8.7	9.1	9.3	9.6	10.2
8H	10.7	11.0	11.3	11.6	12.2	8.8	9.1	9.3	9.6	10.3

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	0.78	0.86	0.91	0.94	0.99	1.02	1.04	1.07	1.09
	0.30		0.73	0.81	0.86	0.90	0.95	0.98	1.01	1.04	1.06
	0.20		0.69	0.77	0.82	0.86	0.92	0.95	0.98	1.02	1.04
0.50	0.50	0.20	0.77	0.84	0.88	0.91	0.95	0.98	1.00	1.02	1.04
	0.30		0.72	0.79	0.84	0.87	0.92	0.95	0.97	1.00	1.02
	0.20		0.69	0.76	0.81	0.84	0.89	0.93	0.95	0.98	1.00
0.30	0.50	0.20	0.75	0.82	0.86	0.89	0.92	0.95	0.96	0.98	1.00
	0.30		0.71	0.78	0.82	0.85	0.90	0.92	0.94	0.97	0.98
	0.20		0.68	0.75	0.80	0.83	0.87	0.90	0.92	0.95	0.97
0.00	0.00	0.00	0.66	0.73	0.77	0.80	0.84	0.86	0.88	0.90	0.92

Rating:9W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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
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Humidity: 60%
Inspector:

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	0.66	0.54	0.45	0.39	0.31	0.25	0.22	0.17	0.14
	0.30		0.55	0.46	0.39	0.35	0.28	0.23	0.20	0.16	0.13
	0.20		0.47	0.40	0.35	0.31	0.25	0.22	0.19	0.15	0.12
0.50	0.50	0.20	0.63	0.51	0.42	0.36	0.29	0.27	0.20	0.15	0.12
	0.30		0.53	0.44	0.37	0.33	0.26	0.22	0.19	0.15	0.12
	0.20		0.46	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.12
0.30	0.50	0.20	0.60	0.48	0.40	0.34	0.26	0.22	0.18	0.14	0.12
	0.30		0.51	0.42	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.20		0.45	0.37	0.32	0.28	0.23	0.19	0.16	0.13	0.11
0.00	0.00	0.00	0.32	0.25	0.21	0.18	0.14	0.11	0.10	0.07	0.06

Rating:9W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.22
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.30	0.50	0.20	0.15	0.17	0.18	0.18	0.20	0.20	0.21	0.21	0.22
	0.30		0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.10	0.12	0.13	0.15	0.16	0.17	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

Rating:9W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	707.5	0.7	0.7	0.14	0.14
1.0-2.0	705.4	2.0	2.7	0.40	0.54
2.0-3.0	701.1	3.4	6.1	0.67	1.21
3.0-4.0	694.8	4.7	10.7	0.93	2.14
4.0-5.0	686.4	5.9	16.6	1.18	3.32
5.0-6.0	675.9	7.1	23.7	1.42	4.73
6.0-7.0	663.7	8.2	32.0	1.64	6.38
7.0-8.0	649.5	9.3	41.3	1.86	8.23
8.0-9.0	633.4	10.3	51.5	2.05	10.28
9.0-10.0	615.8	11.1	62.7	2.22	12.51
10.0-11.0	596.9	11.9	74.6	2.38	14.89
11.0-12.0	576.6	12.6	87.2	2.52	17.40
12.0-13.0	555.1	13.2	100.4	2.63	20.03
13.0-14.0	532.9	13.6	114.0	2.72	22.75
14.0-15.0	509.7	14.0	128.0	2.79	25.55
15.0-16.0	485.9	14.2	142.3	2.84	28.39
16.0-17.0	462.2	14.4	156.6	2.87	31.26
17.0-18.0	438.2	14.4	171.1	2.88	34.14
18.0-19.0	414.2	14.4	185.5	2.88	37.02
19.0-20.0	390.5	14.3	199.8	2.85	39.87
20.0-21.0	367.3	14.1	213.9	2.81	42.69
21.0-22.0	344.4	13.8	227.7	2.76	45.45
22.0-23.0	322.2	13.5	241.3	2.70	48.15
23.0-24.0	301.0	13.2	254.4	2.63	50.77
24.0-25.0	280.4	12.8	267.2	2.54	53.32
25.0-26.0	260.8	12.3	279.5	2.46	55.77
26.0-27.0	242.3	11.9	291.3	2.37	58.14
27.0-28.0	224.5	11.4	302.7	2.27	60.41
28.0-29.0	207.9	10.9	313.6	2.17	62.58
29.0-30.0	192.3	10.4	324.0	2.07	64.65
30.0-31.0	177.7	9.9	333.9	1.97	66.62
31.0-32.0	164.0	9.4	343.3	1.88	68.50
32.0-33.0	151.3	8.9	352.2	1.78	70.28
33.0-34.0	139.4	8.4	360.6	1.68	71.96
34.0-35.0	128.2	8.0	368.6	1.59	73.55
35.0-36.0	118.0	7.5	376.1	1.50	75.05

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	108.5	7.1	383.2	1.41	76.46
37.0-38.0	99.6	6.7	389.8	1.33	77.79
38.0-39.0	91.5	6.2	396.1	1.25	79.04
39.0-40.0	83.8	5.8	401.9	1.17	80.20
40.0-41.0	76.8	5.5	407.4	1.09	81.29
41.0-42.0	70.4	5.1	412.5	1.02	82.32
42.0-43.0	64.6	4.8	417.3	0.96	83.27
43.0-44.0	59.3	4.5	421.8	0.89	84.16
44.0-45.0	54.4	4.2	425.9	0.83	85.00
45.0-46.0	50.1	3.9	429.9	0.78	85.78
46.0-47.0	46.3	3.7	433.5	0.73	86.52
47.0-48.0	42.8	3.5	437.0	0.69	87.21
48.0-49.0	39.7	3.3	440.3	0.65	87.86
49.0-50.0	36.8	3.1	443.3	0.61	88.47
50.0-51.0	34.3	2.9	446.2	0.58	89.05
51.0-52.0	31.9	2.7	449.0	0.55	89.59
52.0-53.0	29.6	2.6	451.5	0.51	90.11
53.0-54.0	27.6	2.4	454.0	0.49	90.59
54.0-55.0	25.7	2.3	456.3	0.46	91.05
55.0-56.0	24.0	2.2	458.4	0.43	91.49
56.0-57.0	22.3	2.0	460.5	0.41	91.89
57.0-58.0	20.8	1.9	462.4	0.38	92.28
58.0-59.0	19.3	1.8	464.2	0.36	92.64
59.0-60.0	17.9	1.7	465.9	0.34	92.97
60.0-61.0	16.6	1.6	467.5	0.32	93.29
61.0-62.0	15.3	1.5	469.0	0.29	93.58
62.0-63.0	14.2	1.4	470.3	0.28	93.86
63.0-64.0	13.1	1.3	471.6	0.26	94.12
64.0-65.0	12.2	1.2	472.8	0.24	94.36
65.0-66.0	11.3	1.1	474.0	0.23	94.58
66.0-67.0	10.5	1.1	475.0	0.21	94.79
67.0-68.0	9.8	1.0	476.0	0.20	94.99
68.0-69.0	9.1	0.9	476.9	0.18	95.18
69.0-70.0	8.4	0.9	477.8	0.17	95.35
70.0-71.0	7.8	0.8	478.6	0.16	95.51
71.0-72.0	7.1	0.7	479.3	0.15	95.66

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.5	0.7	480.0	0.14	95.79
73.0-74.0	6.0	0.6	480.7	0.13	95.92
74.0-75.0	5.4	0.6	481.2	0.11	96.03
75.0-76.0	4.9	0.5	481.8	0.10	96.14
76.0-77.0	4.5	0.5	482.2	0.10	96.23
77.0-78.0	4.1	0.4	482.7	0.09	96.32
78.0-79.0	3.7	0.4	483.1	0.08	96.40
79.0-80.0	3.4	0.4	483.4	0.07	96.47
80.0-81.0	3.1	0.3	483.8	0.07	96.54
81.0-82.0	2.8	0.3	484.1	0.06	96.60
82.0-83.0	2.5	0.3	484.3	0.05	96.65
83.0-84.0	2.3	0.3	484.6	0.05	96.70
84.0-85.0	2.1	0.2	484.8	0.05	96.75
85.0-86.0	2.0	0.2	485.0	0.04	96.79
86.0-87.0	1.9	0.2	485.3	0.04	96.84
87.0-88.0	1.9	0.2	485.5	0.04	96.88
88.0-89.0	1.9	0.2	485.7	0.04	96.92
89.0-90.0	1.8	0.2	485.9	0.04	96.96
90.0-91.0	1.8	0.2	486.1	0.04	97.00
91.0-92.0	1.8	0.2	486.3	0.04	97.04
92.0-93.0	1.8	0.2	486.5	0.04	97.08
93.0-94.0	1.8	0.2	486.7	0.04	97.12
94.0-95.0	1.8	0.2	486.9	0.04	97.16
95.0-96.0	1.8	0.2	487.1	0.04	97.20
96.0-97.0	1.8	0.2	487.3	0.04	97.24
97.0-98.0	1.8	0.2	487.5	0.04	97.27
98.0-99.0	1.8	0.2	487.6	0.04	97.31
99.0-100.0	1.8	0.2	487.8	0.04	97.35
100.0-101.0	1.8	0.2	488.0	0.04	97.39
101.0-102.0	1.8	0.2	488.2	0.04	97.43
102.0-103.0	1.8	0.2	488.4	0.04	97.47
103.0-104.0	1.8	0.2	488.6	0.04	97.50
104.0-105.0	1.8	0.2	488.8	0.04	97.54
105.0-106.0	1.8	0.2	489.0	0.04	97.58
106.0-107.0	1.8	0.2	489.2	0.04	97.62
107.0-108.0	1.8	0.2	489.3	0.04	97.65

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.8	0.2	489.5	0.04	97.69
109.0-110.0	1.8	0.2	489.7	0.04	97.73
110.0-111.0	1.8	0.2	489.9	0.04	97.76
111.0-112.0	1.8	0.2	490.1	0.04	97.80
112.0-113.0	1.8	0.2	490.3	0.04	97.84
113.0-114.0	1.9	0.2	490.5	0.04	97.88
114.0-115.0	1.9	0.2	490.7	0.04	97.91
115.0-116.0	1.9	0.2	490.8	0.04	97.95
116.0-117.0	1.9	0.2	491.0	0.04	97.99
117.0-118.0	2.0	0.2	491.2	0.04	98.03
118.0-119.0	2.0	0.2	491.4	0.04	98.07
119.0-120.0	2.0	0.2	491.6	0.04	98.10
120.0-121.0	2.0	0.2	491.8	0.04	98.14
121.0-122.0	2.0	0.2	492.0	0.04	98.18
122.0-123.0	2.1	0.2	492.2	0.04	98.22
123.0-124.0	2.1	0.2	492.4	0.04	98.26
124.0-125.0	2.2	0.2	492.6	0.04	98.30
125.0-126.0	2.2	0.2	492.8	0.04	98.34
126.0-127.0	2.2	0.2	493.0	0.04	98.37
127.0-128.0	2.3	0.2	493.2	0.04	98.41
128.0-129.0	2.3	0.2	493.4	0.04	98.45
129.0-130.0	2.4	0.2	493.6	0.04	98.49
130.0-131.0	2.4	0.2	493.8	0.04	98.54
131.0-132.0	2.5	0.2	494.0	0.04	98.58
132.0-133.0	2.5	0.2	494.2	0.04	98.62
133.0-134.0	2.6	0.2	494.4	0.04	98.66
134.0-135.0	2.6	0.2	494.6	0.04	98.70
135.0-136.0	2.7	0.2	494.8	0.04	98.74
136.0-137.0	2.7	0.2	495.0	0.04	98.78
137.0-138.0	2.8	0.2	495.2	0.04	98.82
138.0-139.0	2.9	0.2	495.4	0.04	98.86
139.0-140.0	2.9	0.2	495.6	0.04	98.90
140.0-141.0	3.0	0.2	495.8	0.04	98.95
141.0-142.0	3.1	0.2	496.0	0.04	98.99
142.0-143.0	3.1	0.2	496.2	0.04	99.03
143.0-144.0	3.2	0.2	496.5	0.04	99.07

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.3	0.2	496.7	0.04	99.11
145.0-146.0	3.3	0.2	496.9	0.04	99.15
146.0-147.0	3.4	0.2	497.1	0.04	99.19
147.0-148.0	3.5	0.2	497.3	0.04	99.23
148.0-149.0	3.5	0.2	497.5	0.04	99.27
149.0-150.0	3.6	0.2	497.7	0.04	99.31
150.0-151.0	3.6	0.2	497.9	0.04	99.35
151.0-152.0	3.7	0.2	498.1	0.04	99.39
152.0-153.0	3.7	0.2	498.3	0.04	99.43
153.0-154.0	3.8	0.2	498.4	0.04	99.47
154.0-155.0	3.9	0.2	498.6	0.04	99.50
155.0-156.0	3.9	0.2	498.8	0.04	99.54
156.0-157.0	3.9	0.2	499.0	0.03	99.57
157.0-158.0	4.0	0.2	499.1	0.03	99.61
158.0-159.0	4.1	0.2	499.3	0.03	99.64
159.0-160.0	4.1	0.2	499.5	0.03	99.67
160.0-161.0	4.1	0.2	499.6	0.03	99.70
161.0-162.0	4.2	0.1	499.8	0.03	99.73
162.0-163.0	4.2	0.1	499.9	0.03	99.76
163.0-164.0	4.3	0.1	500.0	0.03	99.78
164.0-165.0	4.3	0.1	500.2	0.03	99.81
165.0-166.0	4.3	0.1	500.3	0.02	99.83
166.0-167.0	4.4	0.1	500.4	0.02	99.86
167.0-168.0	4.4	0.1	500.5	0.02	99.88
168.0-169.0	4.4	0.1	500.6	0.02	99.90
169.0-170.0	4.5	0.1	500.7	0.02	99.91
170.0-171.0	4.5	0.1	500.8	0.02	99.93
171.0-172.0	4.5	0.1	500.8	0.01	99.94
172.0-173.0	4.5	0.1	500.9	0.01	99.96
173.0-174.0	4.5	0.1	501.0	0.01	99.97
174.0-175.0	4.6	0.0	501.0	0.01	99.98
175.0-176.0	4.6	0.0	501.0	0.01	99.99
176.0-177.0	4.6	0.0	501.1	0.01	99.99
177.0-178.0	4.6	0.0	501.1	0.00	100.00
178.0-179.0	4.6	0.0	501.1	0.00	100.00
179.0-180.0	4.6	0.0	501.1	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: