GENLED Brands
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Report No.: 20230628 **Test Time: 2023/6/28 14:42**

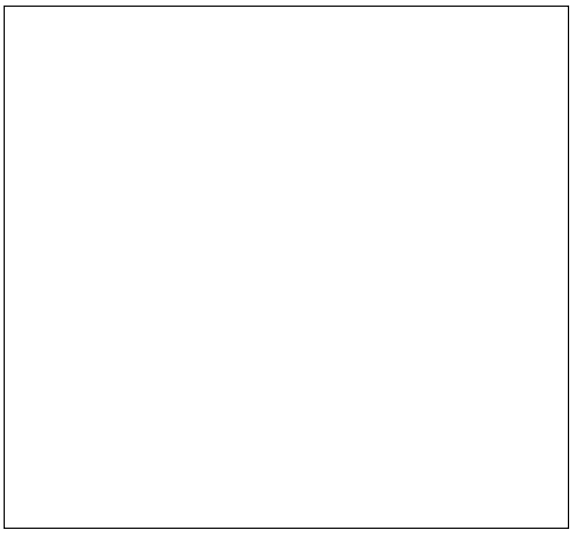
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Pixel Bar
Luminaire Description: Pixel Bar 1200 mm Square Milky RED
Lamp Catalog: RGBW30K **Luminous Length (mm): 1200**
Luminous Width (mm): 40 **Luminous Height (mm): 30**
Voltage: 219.2 V **Current: 0.057 A**
Power: 8.17 W **Power Factor: 0.657**

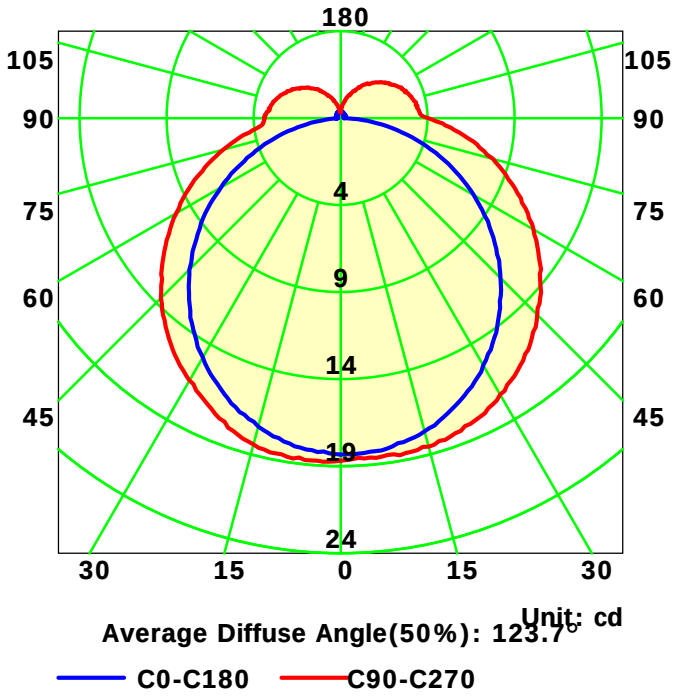
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 77.5 lm**
Measurement Flux: 77.5 lm **Efficiency: 100%**
Downward Ratio: 84% **Upward Ratio: 16%**
Horizontal Diffuse Angle(10%,50%): H162.7,H111.5
Vertical Diffuse Angle(10%,50%): V293.6,V136
Luminaire Efficacy Rating (LER): 9 **Central Intensity: 18.83 cd**
Max. Intensity: 19.25 cd **Pos of Max. Intensity: H270 V3**

Picture Of Luminaire

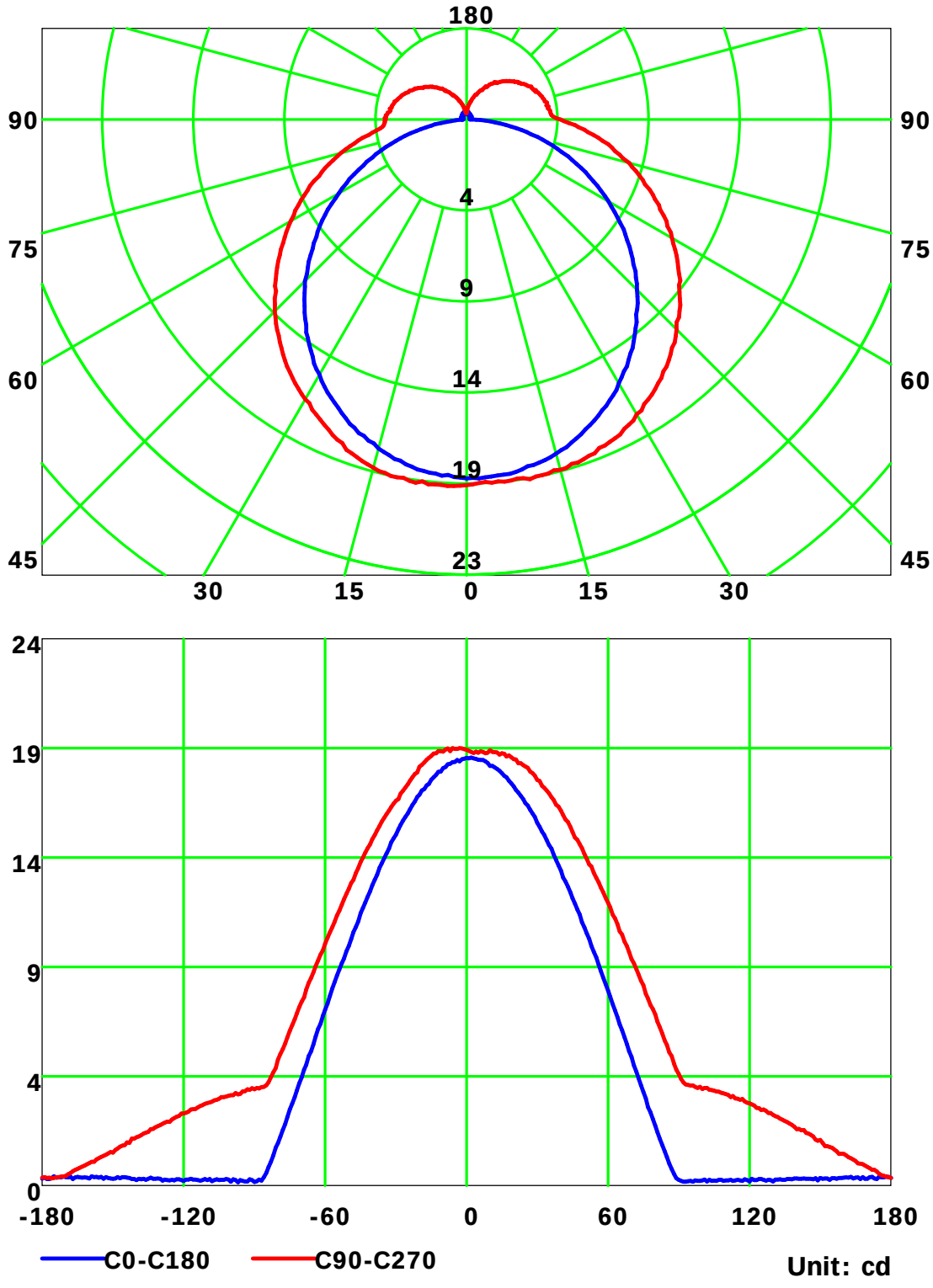


Luminous Intensity Distribution Curve



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



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Temperature: 25
Operator: Jacky

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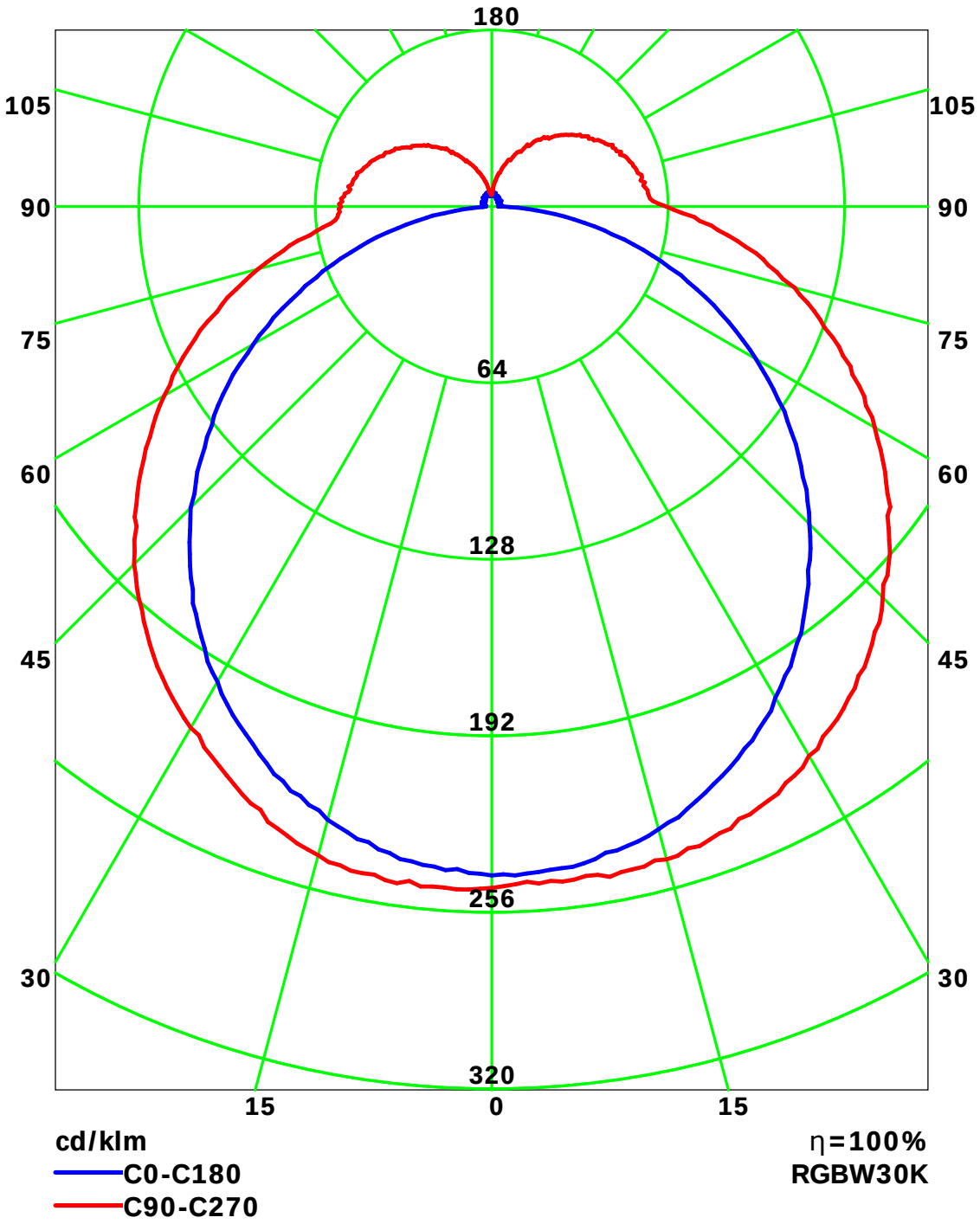
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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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
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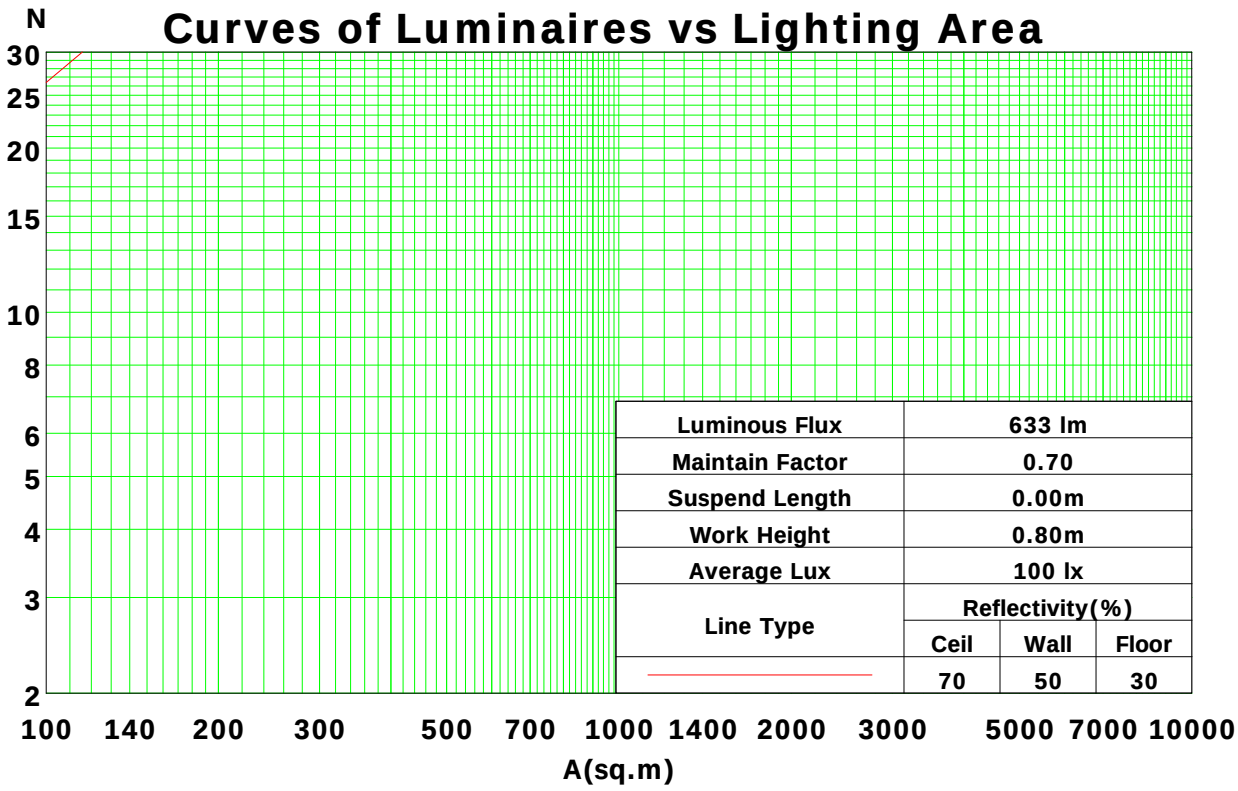
Inspector:

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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	103	98	93	88	99	94	90	85	87	83	80	80	77	75	74	72	70	67
2	93	84	77	70	89	81	74	68	75	69	64	69	65	61	64	60	57	54
3	84	73	65	58	81	70	63	56	65	59	53	60	55	50	56	51	47	45
4	77	64	55	48	73	62	54	47	58	50	45	53	47	42	49	44	40	37
5	71	57	48	41	67	55	47	40	51	44	38	48	41	36	44	39	35	32
6	65	51	42	36	62	50	41	35	46	39	33	43	37	32	40	35	30	28
7	60	46	37	31	57	45	36	31	42	35	29	39	33	28	36	31	27	24
8	56	42	34	28	53	41	33	27	38	31	26	36	29	25	33	28	24	22
9	52	39	30	25	50	37	30	24	35	28	23	33	27	22	31	25	21	19
10	49	35	27	22	47	34	27	22	32	26	21	30	24	20	29	23	19	17

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.35
Spacing Criteria (Diagonal): 1.45

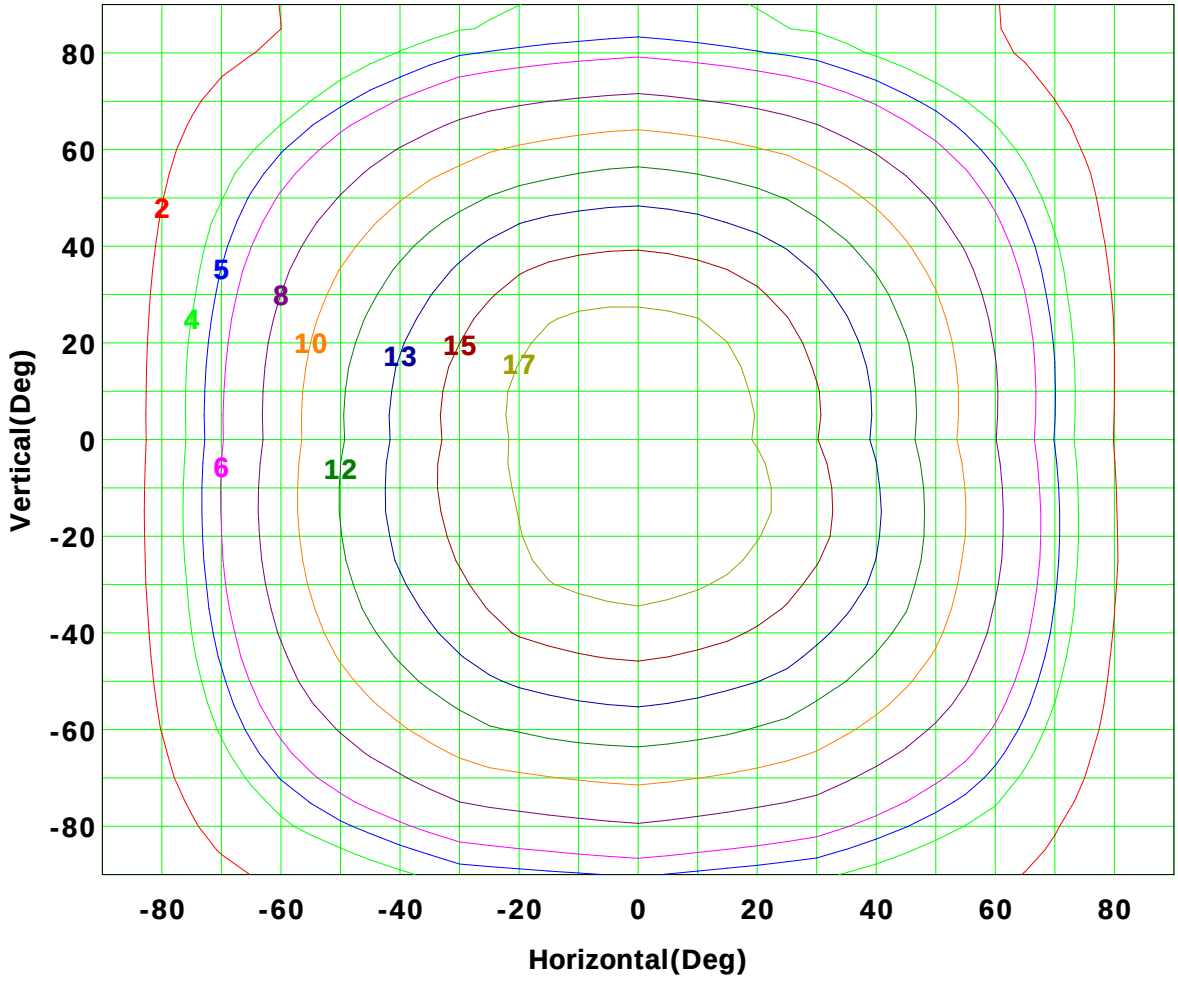
Curves of Luminaires vs Lighting Area



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)



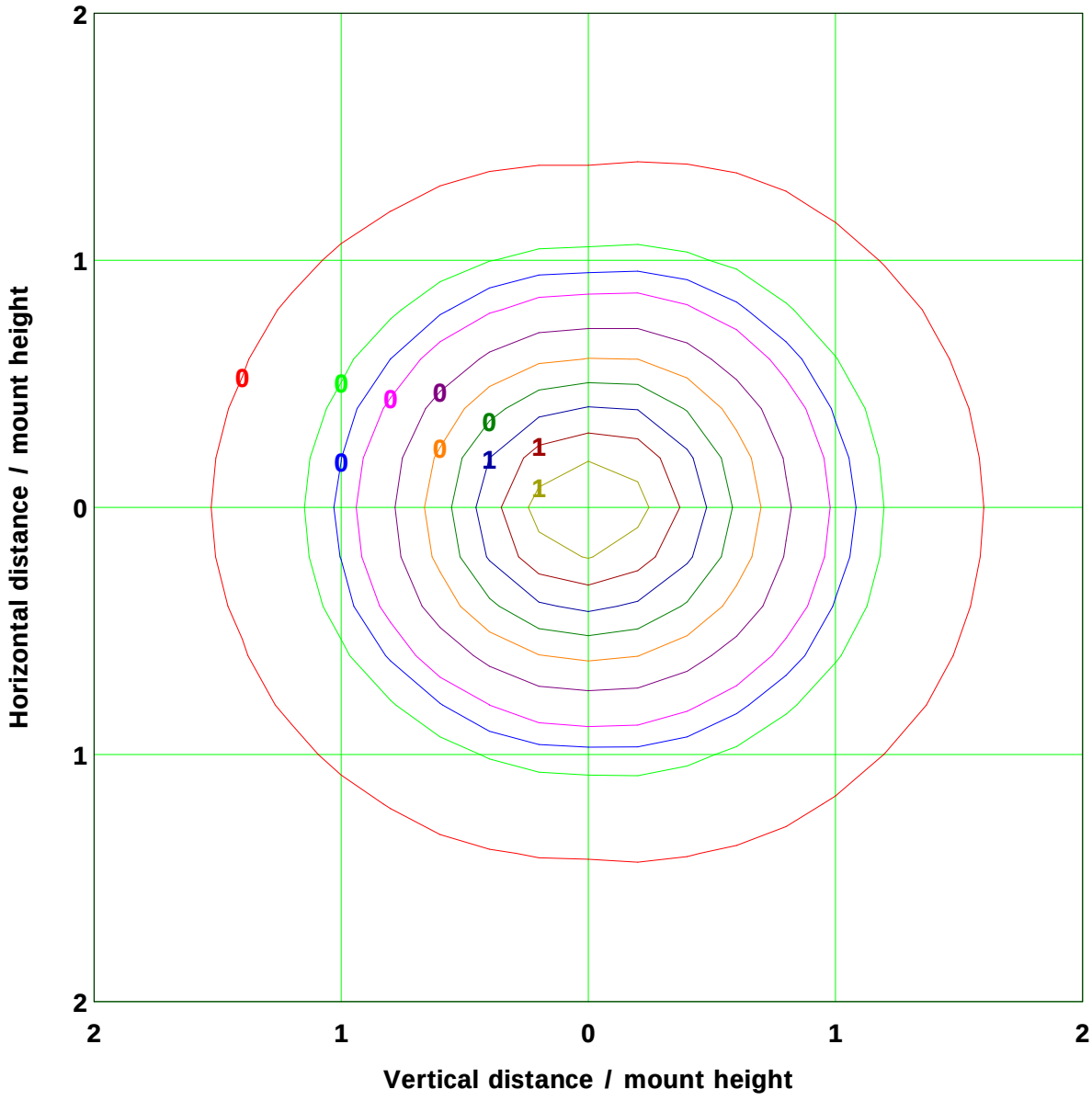
Imax (100%): 19 cd

(10%):	2 cd	(20%):	4 cd
(25%):	5 cd	(30%):	6 cd
(40%):	8 cd	(50%):	10 cd
(60%):	12 cd	(70%):	13 cd
(80%):	15 cd	(90%):	17 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%): 0.8 lx

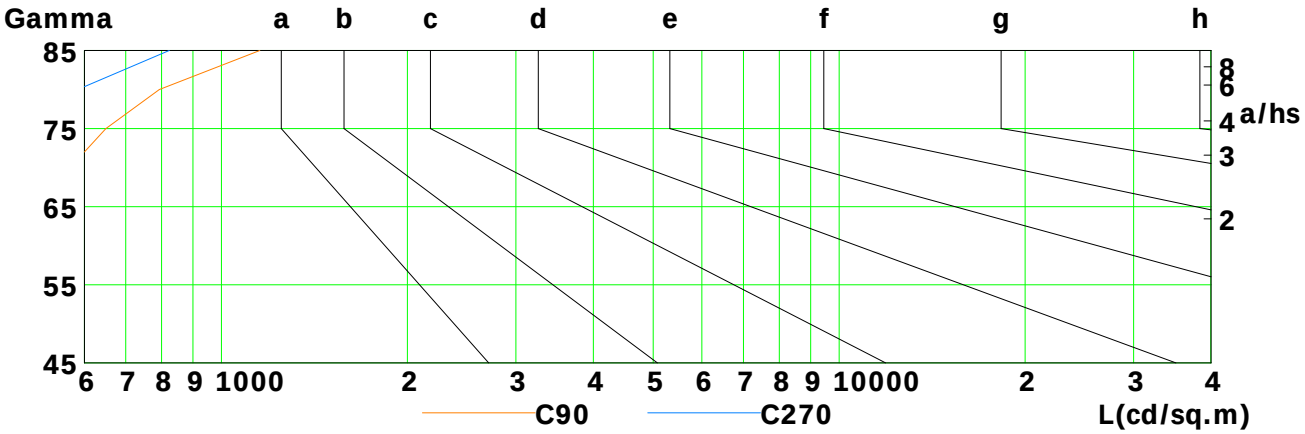
(10%): 0.1 lx	(20%): 0.2 lx
(25%): 0.2 lx	(30%): 0.2 lx
(40%): 0.3 lx	(50%): 0.4 lx
(60%): 0.5 lx	(70%): 0.5 lx
(80%): 0.6 lx	(90%): 0.7 lx

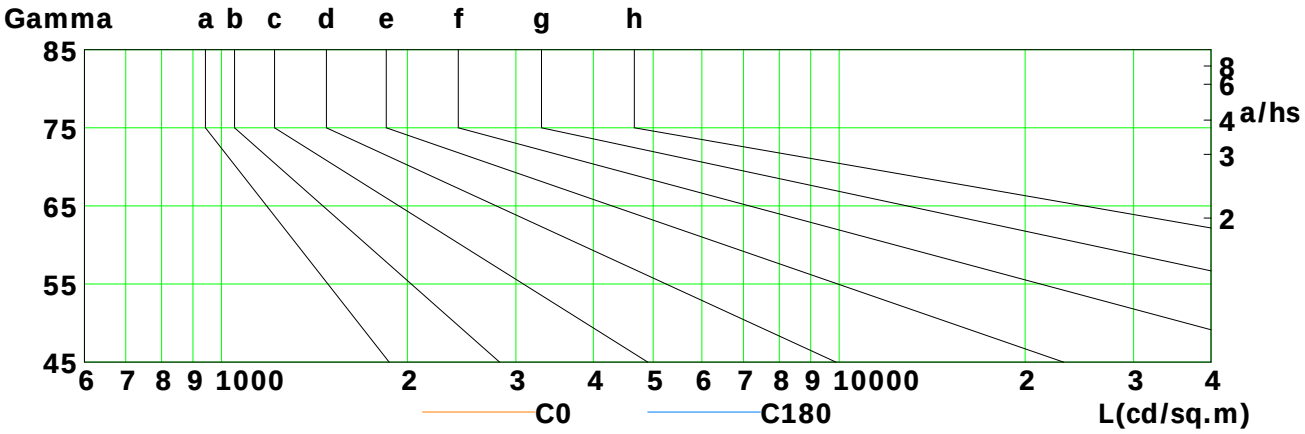
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

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



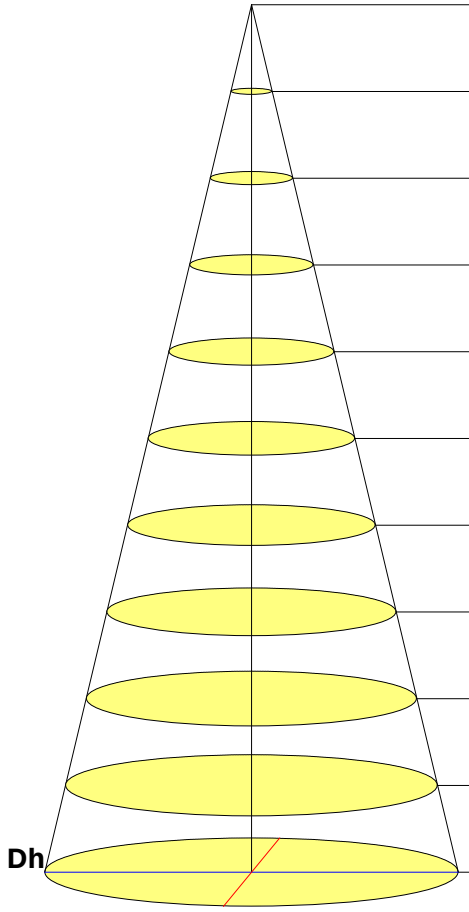


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	213	195	176	156	134	113	88	61	32
C90	448	460	475	497	524	568	650	793	1155
C180	202	181	162	140	118	95	71	43	14
C270	410	411	417	425	440	462	502	583	824

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



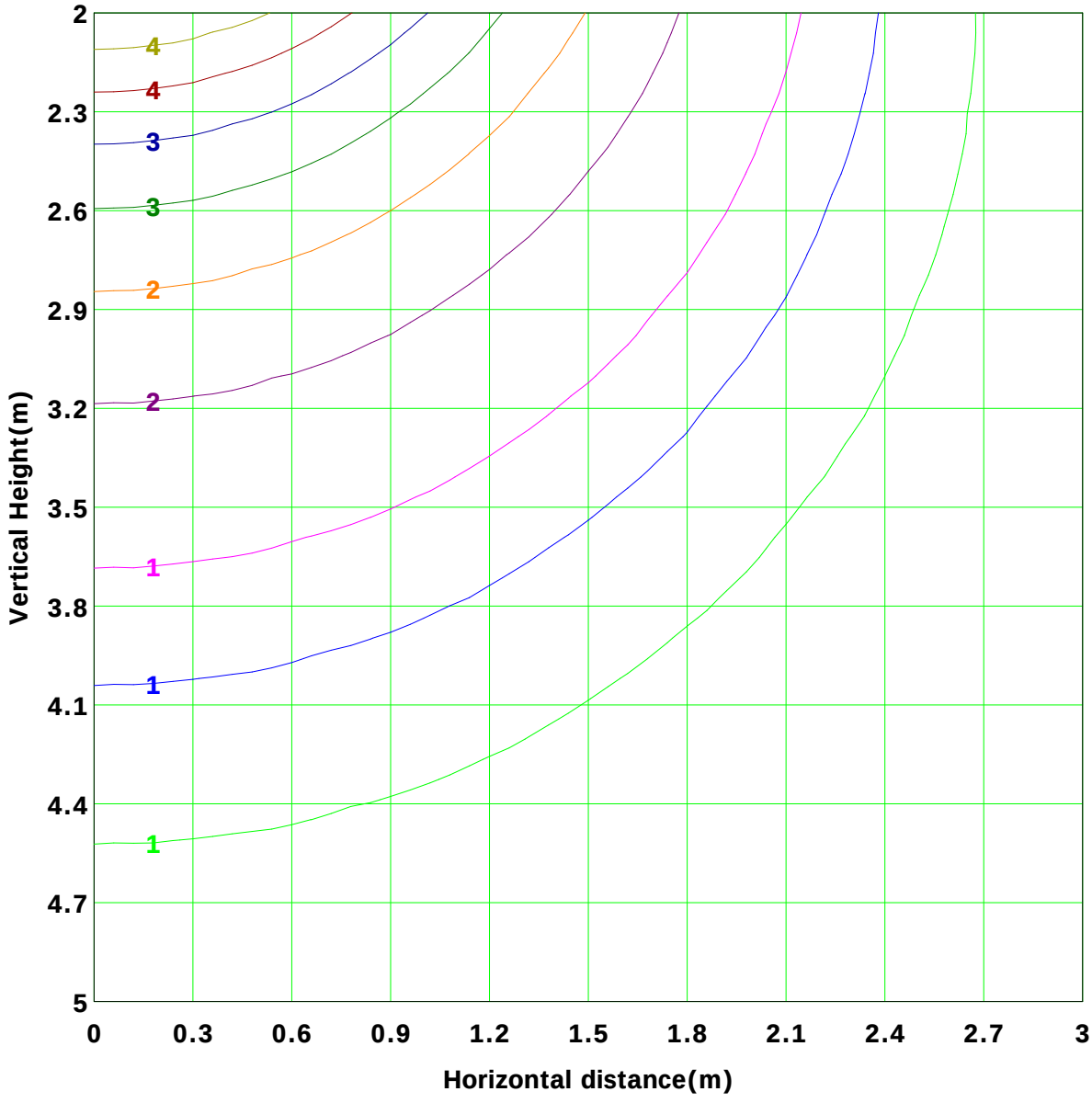
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	18.83	2.94/4.94	13.8	1.92
2.0	4.71	5.88/9.89	55.3	0.48
3.0	2.09	8.81/14.83	124.5	0.21
4.0	1.18	11.75/19.78	221.3	0.12
5.0	0.75	14.69/24.72	345.7	0.08
6.0	0.52	17.63/29.67	497.9	0.05
7.0	0.38	20.57/34.61	677.7	0.04
8.0	0.29	23.51/39.56	885.1	0.03
9.0	0.23	26.44/44.50	1120.2	0.02
10.0	0.19	29.38/49.45	1383.0	0.02

Beam Angle(B): H111.5 V136.0 Field Angle(F): H162.7 V293.6

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: 4.7 lx

(10%): 0.5 lx	(20%): 0.9 lx
(25%): 1.2 lx	(30%): 1.4 lx
(40%): 1.9 lx	(50%): 2.4 lx
(60%): 2.8 lx	(70%): 3.3 lx
(80%): 3.8 lx	(90%): 4.2 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

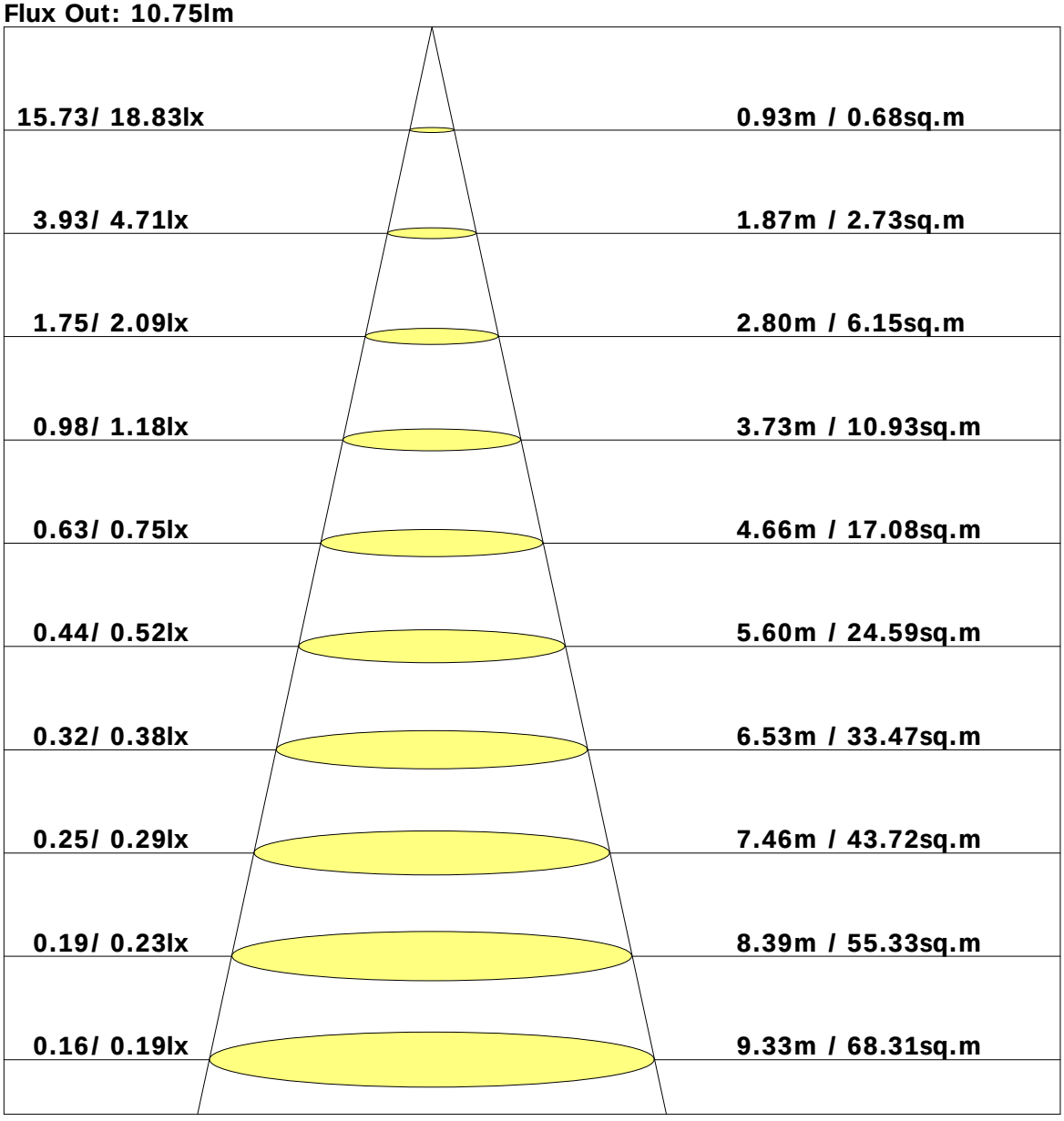
Horizontal plane	Vertical plane																									Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3					
-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	0.0	0.0	0.0	1.1	1.1					
-60	0.0	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	0.1	0.1	0.1	0.0	0.0	2.2	2.2					
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	3.5	3.5					
-40	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	4.8	4.8					
-30	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	6.0	6.0					
-20	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	6.9	6.9					
-10	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	7.4	7.4					
0	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	7.4	7.4					
10	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	7.0	7.0					
20	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	6.1	6.1					
30	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	4.9	4.9					
40	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	3.6	3.6					
50	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	2.3	2.3					
60	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	1.2	1.2					
70	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.5	0.4					
80	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.0					
90	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	65	1.6					
Flux(T)	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	1.6	65					
Flux(E)	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	0.0	0.0	0.0	0.0	0.0	1.6	2.3	3.0	3.6	4.2	4.6	4.9

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: 10.75lm



Height | Avg./Nadir. E | Beam Angle:50.0° | 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	15.2	16.6	15.8	17.2	17.8	15.4	16.7	15.9	17.3	18.0
3H	17.1	18.4	17.7	19.0	19.7	17.5	18.7	18.1	19.3	20.0
4H	17.9	19.1	18.5	19.7	20.4	18.4	19.6	19.0	20.2	20.9
6H	18.4	19.6	19.1	20.2	20.9	19.2	20.3	19.9	21.0	21.7
8H	18.6	19.7	19.3	20.4	21.1	19.6	20.7	20.2	21.3	22.1
12H	18.8	19.8	19.4	20.5	21.2	19.9	20.9	20.6	21.6	22.4
X=4H Y=2H	15.8	17.0	16.4	17.6	18.3	16.0	17.2	16.6	17.8	18.5
3H	17.9	18.9	18.5	19.6	20.3	18.4	19.4	19.0	20.0	20.8
4H	18.8	19.7	19.4	20.4	21.2	19.4	20.4	20.1	21.0	21.8
6H	19.5	20.3	20.2	21.0	21.8	20.4	21.3	21.1	21.9	22.7
8H	19.8	20.5	20.4	21.2	22.0	20.9	21.7	21.6	22.3	23.1
12H	20.0	20.7	20.7	21.4	22.2	21.3	22.0	22.0	22.7	23.5
X=8H Y=4H	19.2	19.9	19.8	20.6	21.4	19.8	20.6	20.5	21.3	22.1
6H	20.0	20.7	20.7	21.4	22.2	21.0	21.6	21.7	22.4	23.2
8H	20.4	21.0	21.1	21.7	22.5	21.6	22.2	22.3	22.9	23.7
12H	20.7	21.2	21.4	21.9	22.8	22.1	22.7	22.8	23.4	24.3
X=12H Y=4H	19.2	19.9	19.9	20.6	21.4	19.8	20.5	20.5	21.3	22.1
6H	20.1	20.7	20.9	21.4	22.3	21.1	21.7	21.8	22.4	23.2
8H	20.5	21.1	21.3	21.8	22.7	21.7	22.3	22.5	23.0	23.9

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 = 1.50								
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	0.52	0.60	0.67	0.72	0.79	0.84	0.88	0.92	0.96
	0.30		0.44	0.52	0.59	0.65	0.73	0.78	0.82	0.88	0.92
	0.20		0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.84	0.88
0.50	0.50	0.20	0.49	0.56	0.63	0.67	0.74	0.78	0.81	0.86	0.88
	0.30		0.42	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
	0.20		0.37	0.44	0.51	0.56	0.64	0.69	0.73	0.78	0.82
0.30	0.50	0.20	0.46	0.52	0.58	0.63	0.69	0.72	0.75	0.79	0.82
	0.30		0.40	0.47	0.53	0.58	0.64	0.68	0.72	0.76	0.79
	0.20		0.36	0.42	0.49	0.53	0.60	0.65	0.69	0.74	0.77
0.00	0.00	0.00	0.32	0.38	0.44	0.48	0.54	0.58	0.61	0.66	0.69

Rating:8W 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(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50								
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	0.98	0.85	0.73	0.64	0.52	0.44	0.38	0.30	0.25
	0.30		0.82	0.72	0.63	0.57	0.47	0.40	0.35	0.29	0.24
	0.20		0.70	0.63	0.56	0.51	0.43	0.37	0.33	0.27	0.23
0.50	0.50	0.20	0.92	0.79	0.67	0.59	0.48	0.43	0.35	0.28	0.23
	0.30		0.78	0.68	0.60	0.53	0.44	0.38	0.33	0.27	0.22
	0.20		0.67	0.60	0.53	0.48	0.41	0.35	0.31	0.25	0.21
0.30	0.50	0.20	0.86	0.73	0.63	0.55	0.45	0.38	0.33	0.26	0.22
	0.30		0.73	0.64	0.56	0.50	0.41	0.35	0.31	0.25	0.21
	0.20		0.64	0.57	0.51	0.46	0.39	0.33	0.29	0.24	0.20
0.00	0.00	0.00	0.52	0.46	0.41	0.36	0.30	0.26	0.23	0.19	0.16

Rating:8W 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 = 1.50								
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	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37
	0.30		0.25	0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34
	0.20		0.20	0.21	0.23	0.24	0.26	0.27	0.28	0.30	0.31
0.50	0.50	0.20	0.30	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35
	0.30		0.24	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33
	0.20		0.20	0.21	0.22	0.23	0.25	0.27	0.28	0.29	0.30
0.30	0.50	0.20	0.30	0.31	0.31	0.32	0.33	0.33	0.33	0.34	0.34
	0.30		0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32
	0.20		0.20	0.21	0.22	0.23	0.25	0.26	0.27	0.28	0.29
0.00	0.00	0.00	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16

Rating:8W 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	18.9	0.0	0.0	0.02	0.02
1.0-2.0	18.9	0.1	0.1	0.07	0.09
2.0-3.0	18.9	0.1	0.2	0.12	0.21
3.0-4.0	18.9	0.1	0.3	0.16	0.37
4.0-5.0	18.9	0.2	0.5	0.21	0.58
5.0-6.0	18.9	0.2	0.7	0.26	0.84
6.0-7.0	18.9	0.2	0.9	0.30	1.14
7.0-8.0	18.8	0.3	1.2	0.35	1.49
8.0-9.0	18.8	0.3	1.5	0.39	1.88
9.0-10.0	18.8	0.3	1.8	0.44	2.32
10.0-11.0	18.7	0.4	2.2	0.48	2.80
11.0-12.0	18.7	0.4	2.6	0.53	3.33
12.0-13.0	18.6	0.4	3.0	0.57	3.90
13.0-14.0	18.6	0.5	3.5	0.61	4.52
14.0-15.0	18.5	0.5	4.0	0.66	5.17
15.0-16.0	18.4	0.5	4.5	0.70	5.87
16.0-17.0	18.4	0.6	5.1	0.74	6.61
17.0-18.0	18.3	0.6	5.7	0.78	7.39
18.0-19.0	18.2	0.6	6.4	0.82	8.20
19.0-20.0	18.1	0.7	7.0	0.86	9.06
20.0-21.0	18.0	0.7	7.7	0.89	9.95
21.0-22.0	17.9	0.7	8.4	0.93	10.88
22.0-23.0	17.8	0.7	9.2	0.96	11.84
23.0-24.0	17.7	0.8	9.9	1.00	12.84
24.0-25.0	17.5	0.8	10.7	1.03	13.87
25.0-26.0	17.4	0.8	11.6	1.06	14.93
26.0-27.0	17.3	0.8	12.4	1.09	16.02
27.0-28.0	17.1	0.9	13.3	1.12	17.14
28.0-29.0	17.0	0.9	14.2	1.15	18.29
29.0-30.0	16.8	0.9	15.1	1.17	19.46
30.0-31.0	16.7	0.9	16.0	1.20	20.66
31.0-32.0	16.5	0.9	17.0	1.22	21.88
32.0-33.0	16.4	1.0	17.9	1.24	23.12
33.0-34.0	16.2	1.0	18.9	1.26	24.39
34.0-35.0	16.0	1.0	19.9	1.28	25.67
35.0-36.0	15.8	1.0	20.9	1.30	26.98

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	15.7	1.0	21.9	1.32	28.29
37.0-38.0	15.5	1.0	23.0	1.33	29.63
38.0-39.0	15.2	1.0	24.0	1.34	30.97
39.0-40.0	15.1	1.1	25.0	1.36	32.33
40.0-41.0	14.8	1.1	26.1	1.36	33.69
41.0-42.0	14.6	1.1	27.2	1.37	35.06
42.0-43.0	14.4	1.1	28.2	1.38	36.44
43.0-44.0	14.2	1.1	29.3	1.39	37.83
44.0-45.0	14.0	1.1	30.4	1.39	39.22
45.0-46.0	13.8	1.1	31.5	1.39	40.61
46.0-47.0	13.5	1.1	32.5	1.39	42.00
47.0-48.0	13.3	1.1	33.6	1.39	43.39
48.0-49.0	13.1	1.1	34.7	1.39	44.77
49.0-50.0	12.8	1.1	35.8	1.38	46.16
50.0-51.0	12.6	1.1	36.8	1.38	47.53
51.0-52.0	12.4	1.1	37.9	1.37	48.90
52.0-53.0	12.1	1.1	38.9	1.36	50.26
53.0-54.0	11.9	1.0	40.0	1.35	51.61
54.0-55.0	11.6	1.0	41.0	1.34	52.95
55.0-56.0	11.4	1.0	42.1	1.33	54.28
56.0-57.0	11.1	1.0	43.1	1.31	55.59
57.0-58.0	10.9	1.0	44.1	1.30	56.88
58.0-59.0	10.6	1.0	45.1	1.28	58.16
59.0-60.0	10.3	1.0	46.0	1.26	59.42
60.0-61.0	10.1	1.0	47.0	1.24	60.66
61.0-62.0	9.8	0.9	47.9	1.22	61.88
62.0-63.0	9.6	0.9	48.9	1.20	63.08
63.0-64.0	9.3	0.9	49.8	1.18	64.26
64.0-65.0	9.0	0.9	50.7	1.15	65.41
65.0-66.0	8.7	0.9	51.6	1.13	66.54
66.0-67.0	8.5	0.9	52.4	1.10	67.64
67.0-68.0	8.2	0.8	53.2	1.07	68.71
68.0-69.0	7.9	0.8	54.0	1.05	69.76
69.0-70.0	7.7	0.8	54.8	1.02	70.77
70.0-71.0	7.4	0.8	55.6	0.99	71.76
71.0-72.0	7.1	0.7	56.3	0.96	72.71

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.8	0.7	57.1	0.92	73.64
73.0-74.0	6.6	0.7	57.7	0.89	74.53
74.0-75.0	6.3	0.7	58.4	0.86	75.39
75.0-76.0	6.0	0.6	59.0	0.83	76.21
76.0-77.0	5.7	0.6	59.7	0.79	77.00
77.0-78.0	5.5	0.6	60.2	0.75	77.76
78.0-79.0	5.2	0.6	60.8	0.72	78.48
79.0-80.0	4.9	0.5	61.3	0.69	79.16
80.0-81.0	4.7	0.5	61.8	0.65	79.81
81.0-82.0	4.4	0.5	62.3	0.61	80.43
82.0-83.0	4.1	0.4	62.8	0.58	81.01
83.0-84.0	3.9	0.4	63.2	0.54	81.55
84.0-85.0	3.6	0.4	63.6	0.51	82.06
85.0-86.0	3.4	0.4	64.0	0.48	82.55
86.0-87.0	3.3	0.4	64.3	0.46	83.01
87.0-88.0	3.1	0.3	64.7	0.44	83.45
88.0-89.0	3.0	0.3	65.0	0.42	83.87
89.0-90.0	2.9	0.3	65.3	0.41	84.27
90.0-91.0	2.8	0.3	65.6	0.39	84.67
91.0-92.0	2.7	0.3	65.9	0.38	85.05
92.0-93.0	2.7	0.3	66.2	0.38	85.43
93.0-94.0	2.6	0.3	66.5	0.37	85.80
94.0-95.0	2.6	0.3	66.8	0.37	86.17
95.0-96.0	2.6	0.3	67.0	0.37	86.53
96.0-97.0	2.6	0.3	67.3	0.36	86.90
97.0-98.0	2.6	0.3	67.6	0.36	87.26
98.0-99.0	2.6	0.3	67.9	0.36	87.62
99.0-100.0	2.5	0.3	68.2	0.36	87.97
100.0-101.0	2.5	0.3	68.4	0.35	88.32
101.0-102.0	2.5	0.3	68.7	0.35	88.67
102.0-103.0	2.5	0.3	69.0	0.35	89.02
103.0-104.0	2.5	0.3	69.2	0.34	89.36
104.0-105.0	2.5	0.3	69.5	0.34	89.70
105.0-106.0	2.4	0.3	69.8	0.33	90.03
106.0-107.0	2.4	0.3	70.0	0.33	90.36
107.0-108.0	2.4	0.3	70.3	0.32	90.69

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	2.4	0.2	70.5	0.32	91.01
109.0-110.0	2.4	0.2	70.8	0.32	91.32
110.0-111.0	2.4	0.2	71.0	0.31	91.64
111.0-112.0	2.3	0.2	71.2	0.31	91.94
112.0-113.0	2.3	0.2	71.5	0.30	92.24
113.0-114.0	2.3	0.2	71.7	0.29	92.53
114.0-115.0	2.2	0.2	71.9	0.29	92.82
115.0-116.0	2.2	0.2	72.1	0.28	93.11
116.0-117.0	2.2	0.2	72.4	0.28	93.38
117.0-118.0	2.2	0.2	72.6	0.27	93.66
118.0-119.0	2.1	0.2	72.8	0.27	93.92
119.0-120.0	2.1	0.2	73.0	0.26	94.18
120.0-121.0	2.1	0.2	73.2	0.25	94.44
121.0-122.0	2.1	0.2	73.4	0.25	94.69
122.0-123.0	2.0	0.2	73.6	0.24	94.93
123.0-124.0	2.0	0.2	73.7	0.24	95.16
124.0-125.0	2.0	0.2	73.9	0.23	95.39
125.0-126.0	1.9	0.2	74.1	0.22	95.62
126.0-127.0	1.9	0.2	74.3	0.22	95.83
127.0-128.0	1.9	0.2	74.4	0.21	96.04
128.0-129.0	1.8	0.2	74.6	0.20	96.25
129.0-130.0	1.8	0.2	74.7	0.20	96.44
130.0-131.0	1.8	0.1	74.9	0.19	96.64
131.0-132.0	1.8	0.1	75.0	0.19	96.82
132.0-133.0	1.7	0.1	75.2	0.18	97.00
133.0-134.0	1.7	0.1	75.3	0.17	97.18
134.0-135.0	1.6	0.1	75.4	0.17	97.34
135.0-136.0	1.6	0.1	75.5	0.16	97.50
136.0-137.0	1.6	0.1	75.7	0.15	97.66
137.0-138.0	1.6	0.1	75.8	0.15	97.81
138.0-139.0	1.5	0.1	75.9	0.14	97.95
139.0-140.0	1.5	0.1	76.0	0.14	98.08
140.0-141.0	1.4	0.1	76.1	0.13	98.21
141.0-142.0	1.4	0.1	76.2	0.12	98.34
142.0-143.0	1.4	0.1	76.3	0.12	98.46
143.0-144.0	1.3	0.1	76.4	0.11	98.57

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.3	0.1	76.5	0.11	98.68
145.0-146.0	1.3	0.1	76.5	0.10	98.78
146.0-147.0	1.3	0.1	76.6	0.10	98.88
147.0-148.0	1.2	0.1	76.7	0.09	98.97
148.0-149.0	1.2	0.1	76.7	0.09	99.06
149.0-150.0	1.1	0.1	76.8	0.08	99.14
150.0-151.0	1.1	0.1	76.9	0.08	99.21
151.0-152.0	1.1	0.1	76.9	0.07	99.28
152.0-153.0	1.0	0.1	77.0	0.07	99.35
153.0-154.0	1.0	0.0	77.0	0.06	99.41
154.0-155.0	1.0	0.0	77.1	0.06	99.47
155.0-156.0	0.9	0.0	77.1	0.05	99.53
156.0-157.0	0.9	0.0	77.2	0.05	99.58
157.0-158.0	0.9	0.0	77.2	0.05	99.62
158.0-159.0	0.8	0.0	77.2	0.04	99.67
159.0-160.0	0.8	0.0	77.3	0.04	99.71
160.0-161.0	0.8	0.0	77.3	0.04	99.74
161.0-162.0	0.7	0.0	77.3	0.03	99.78
162.0-163.0	0.7	0.0	77.3	0.03	99.81
163.0-164.0	0.7	0.0	77.4	0.03	99.83
164.0-165.0	0.7	0.0	77.4	0.02	99.86
165.0-166.0	0.6	0.0	77.4	0.02	99.88
166.0-167.0	0.6	0.0	77.4	0.02	99.90
167.0-168.0	0.6	0.0	77.4	0.02	99.92
168.0-169.0	0.5	0.0	77.4	0.02	99.93
169.0-170.0	0.5	0.0	77.4	0.01	99.95
170.0-171.0	0.5	0.0	77.4	0.01	99.96
171.0-172.0	0.5	0.0	77.5	0.01	99.97
172.0-173.0	0.4	0.0	77.5	0.01	99.98
173.0-174.0	0.4	0.0	77.5	0.01	99.98
174.0-175.0	0.4	0.0	77.5	0.01	99.99
175.0-176.0	0.4	0.0	77.5	0.00	99.99
176.0-177.0	0.4	0.0	77.5	0.00	100.00
177.0-178.0	0.4	0.0	77.5	0.00	100.00
178.0-179.0	0.4	0.0	77.5	0.00	100.00
179.0-180.0	0.4	0.0	77.5	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: