GENLED Brands
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Report No.: 20230810 **Test Time: 2023/8/10 17:27**

Luminaire Property

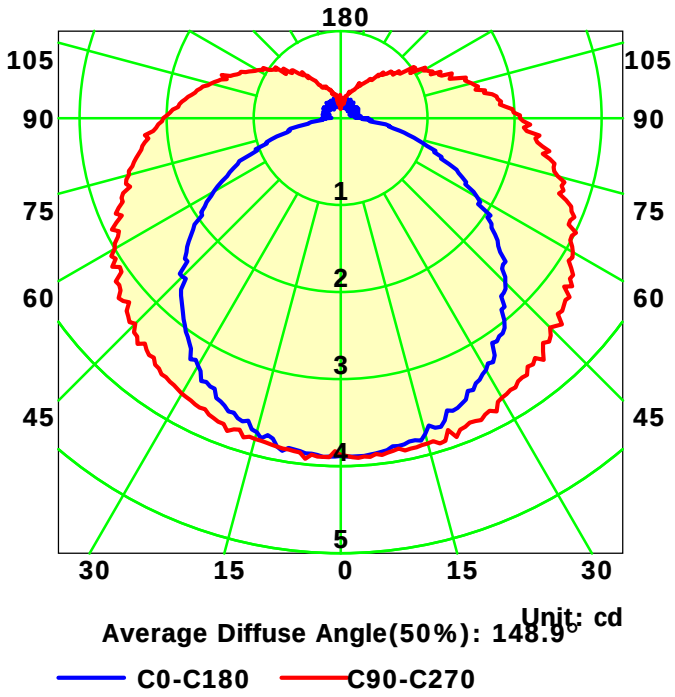
Luminaire Manufacturer:
Luminaire Category: Pixel Bar
Luminaire Description: Pixel Bar 900 mm Round Milky **BLUE**
Lamp Description: RGBW+3000K
Luminous Length (mm): 900
Luminous Width (mm): 40
Luminous Height (mm): 30
Voltage: 219.5 V
Current: 0.053 A
Power: 7.26 W
Power Factor: 0.622

Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 22.2 lm
Measurement Flux: 22.2 lm
Efficiency: 100%
Downward Ratio: 78%
Upward Ratio: 22%
Horizontal Diffuse Angle(10%,50%): H162.7,H112.5
Vertical Diffuse Angle(10%,50%): V306.6,V185.2
Luminaire Efficacy Rating (LER): 3
Central Intensity: 4.31 cd
Max. Intensity: 4.39 cd
Pos of Max. Intensity: H150 V3

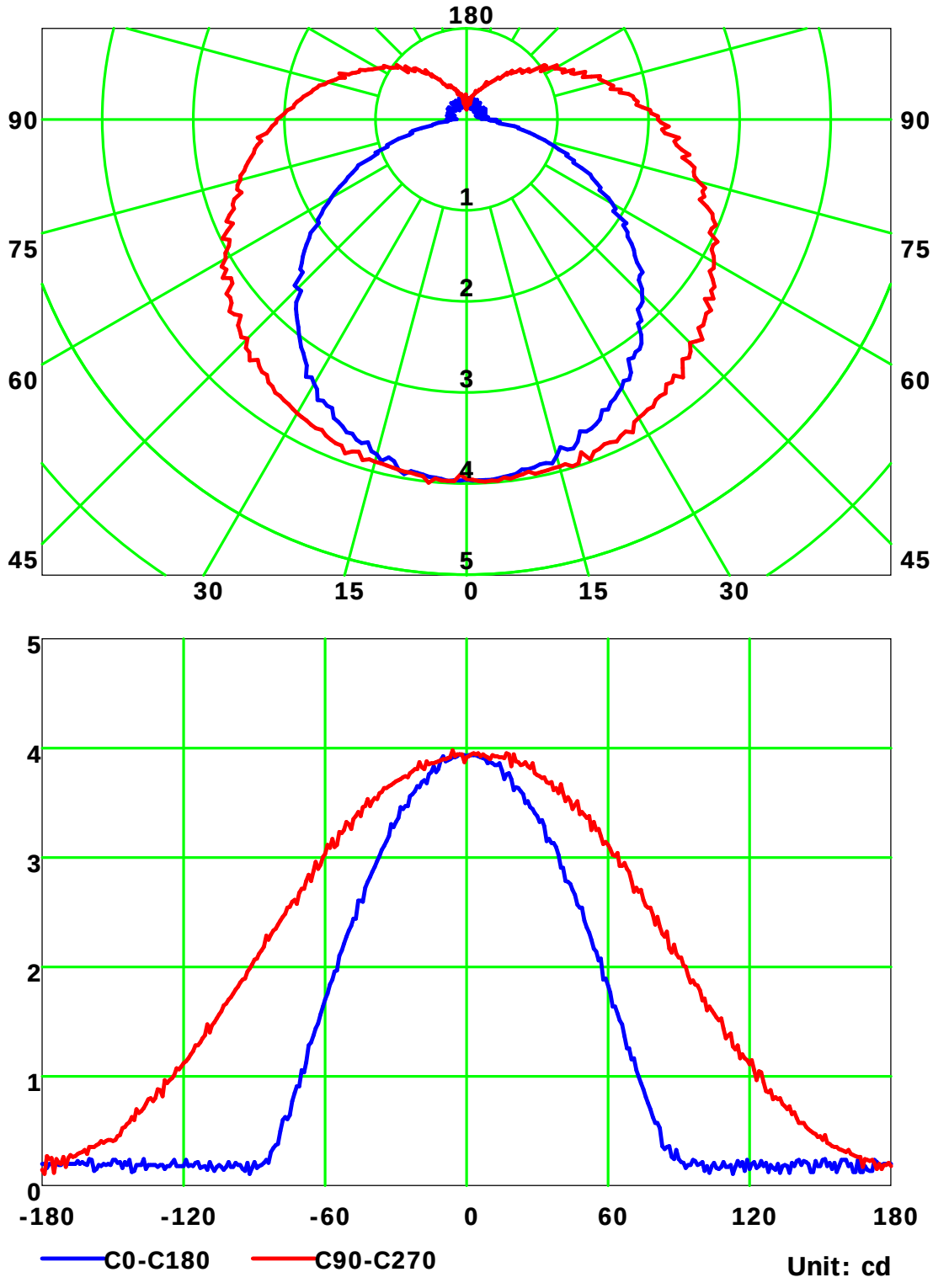
Picture Of Luminaire

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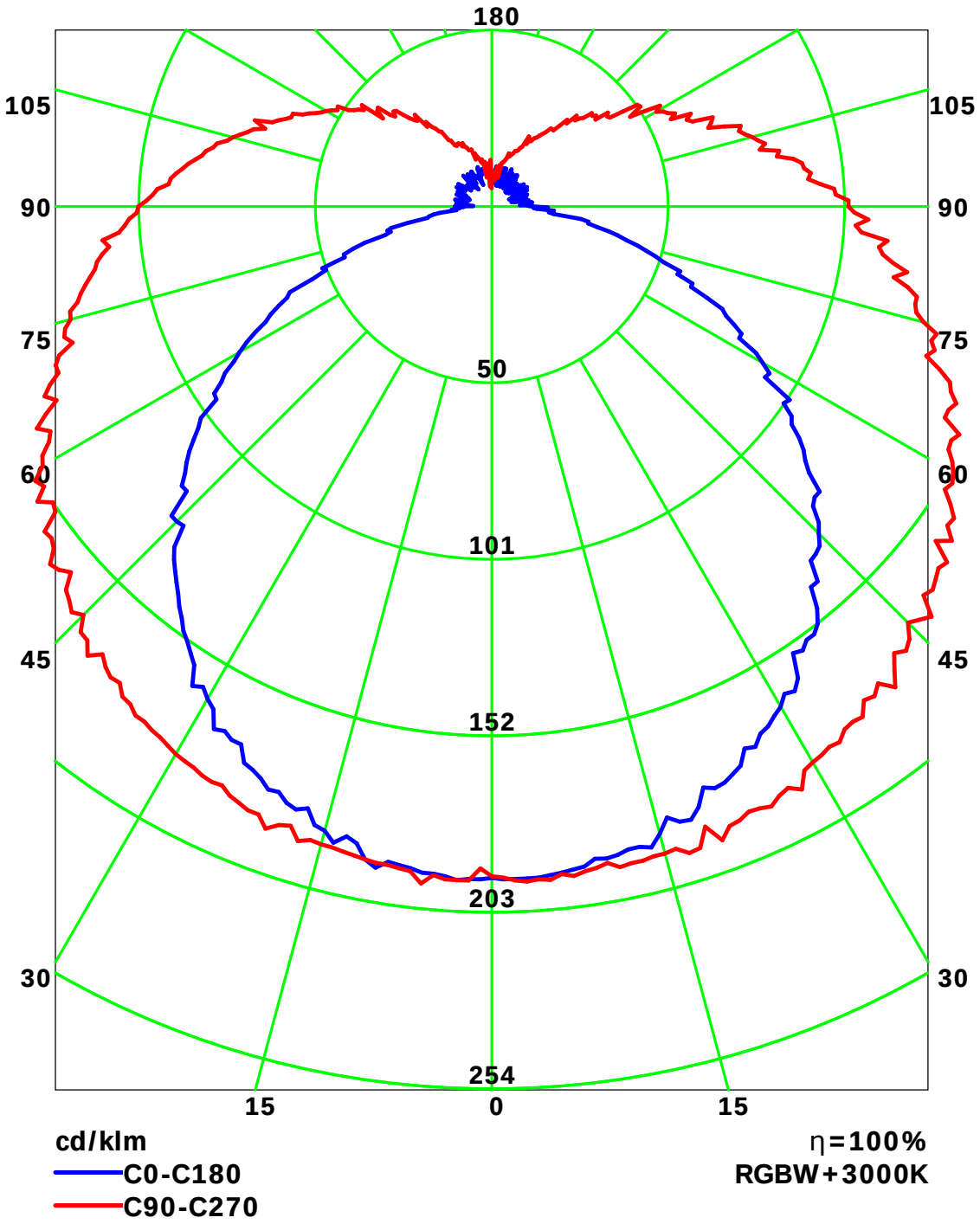
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
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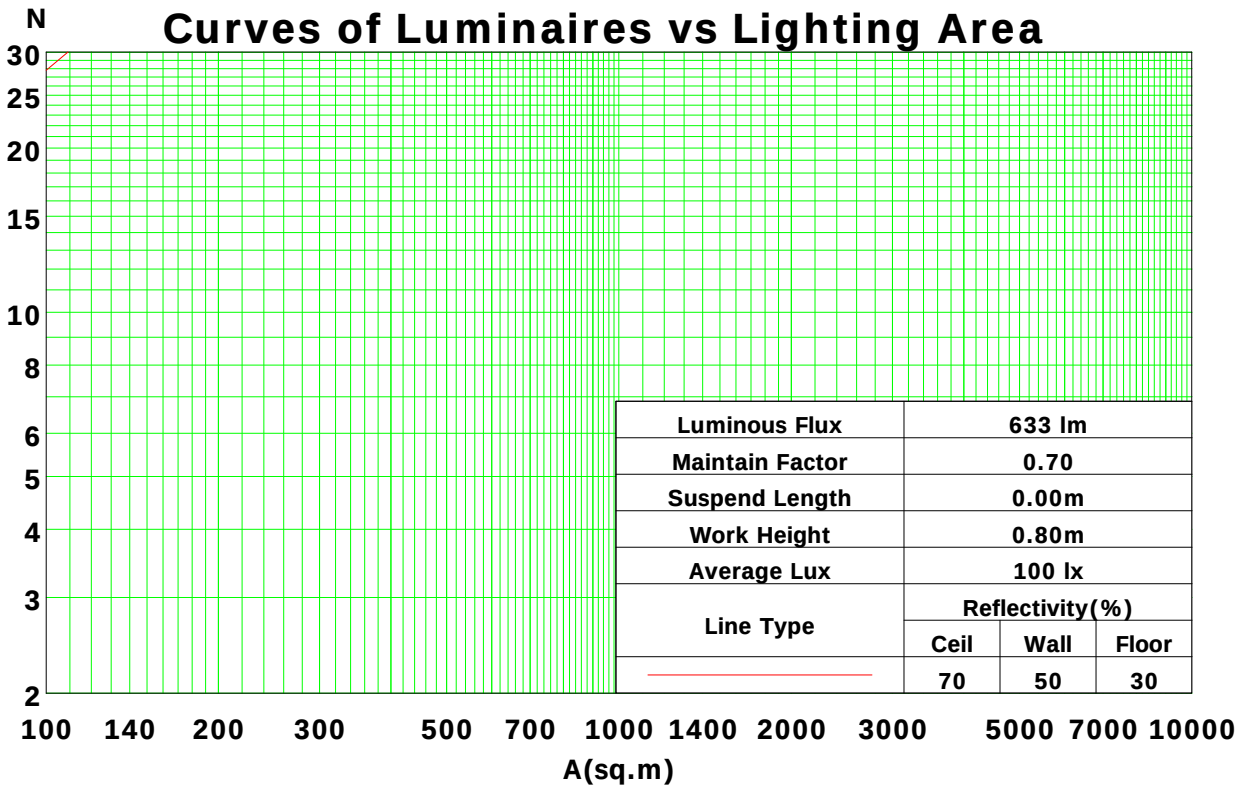
Inspector:

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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	101	94	89	84	95	90	85	81	82	78	74	74	71	68	67	65	62	59
2	90	81	73	66	85	77	70	64	70	64	59	63	58	54	57	53	50	46
3	81	70	61	53	77	67	58	52	60	54	48	55	49	44	49	45	41	38
4	74	61	52	44	70	58	50	43	53	46	40	48	42	37	44	39	34	31
5	68	54	45	38	64	52	43	36	47	40	34	43	37	32	39	34	29	27
6	62	48	39	32	59	46	38	31	42	35	29	39	32	27	35	30	26	23
7	58	44	35	28	55	42	33	27	38	31	26	35	29	24	32	27	22	20
8	54	40	31	25	51	38	30	24	35	28	23	32	26	21	29	24	20	18
9	50	36	28	22	47	35	27	21	32	25	20	29	23	19	27	22	18	16
10	47	33	25	20	44	32	24	19	29	23	18	27	21	17	25	20	16	14

Spacing Criteria (0-180): 1.28
Spacing Criteria (90-270): 1.43
Spacing Criteria (Diagonal): 1.50

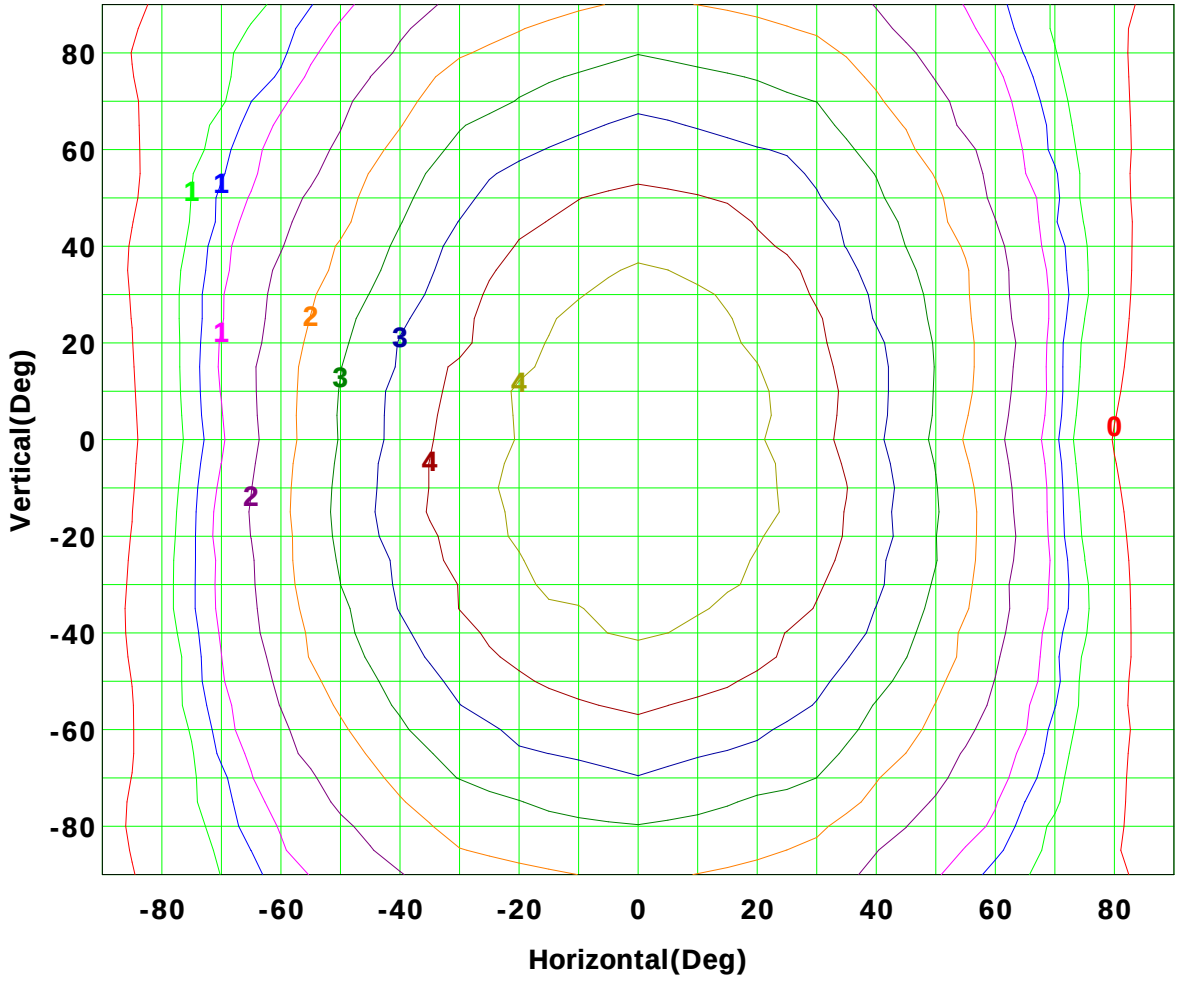
Curves of Luminaires vs Lighting Area



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)



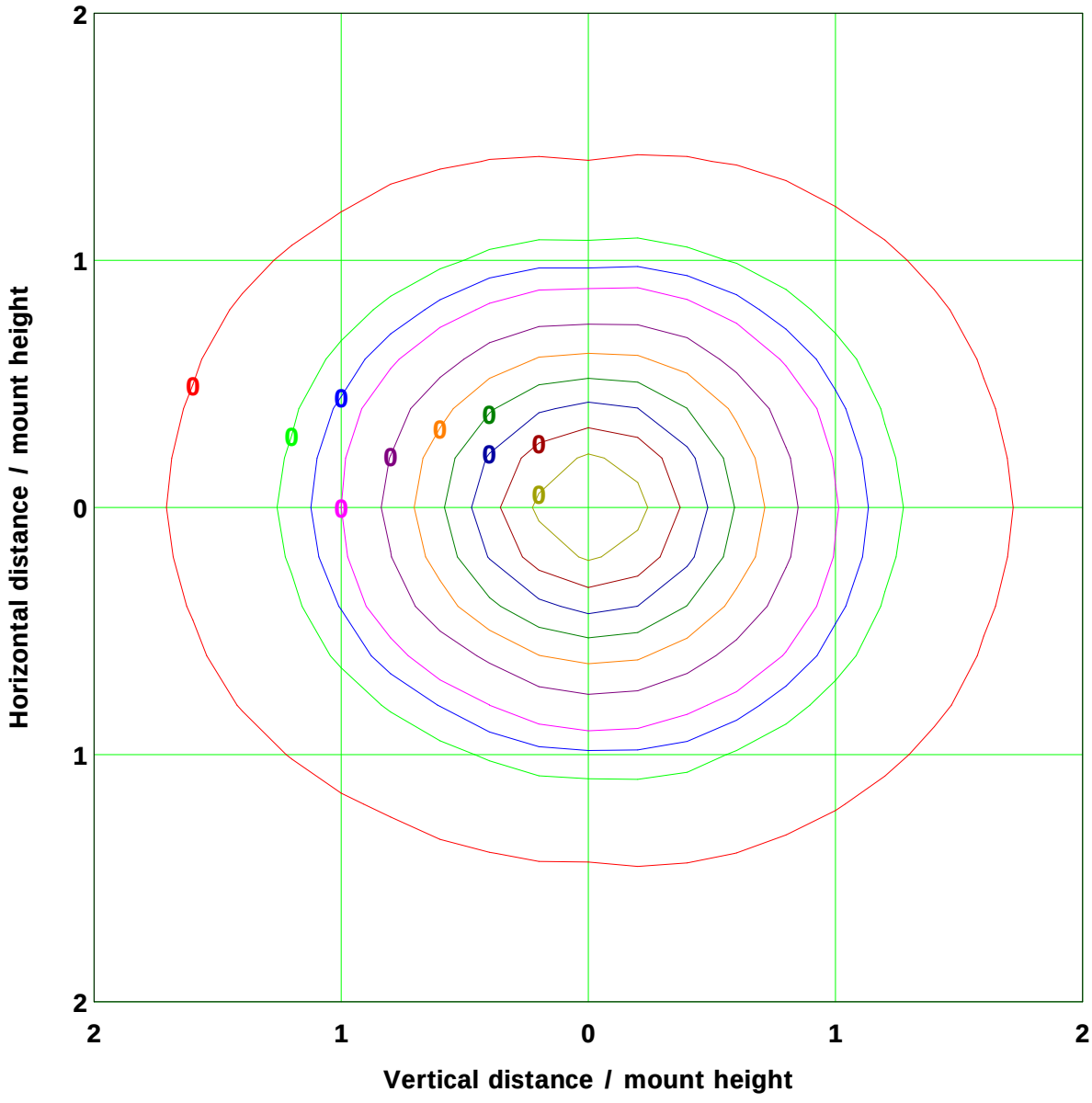
Imax (100%): 4 cd

(10%):	0 cd	(20%):	1 cd
(25%):	1 cd	(30%):	1 cd
(40%):	2 cd	(50%):	2 cd
(60%):	3 cd	(70%):	3 cd
(80%):	4 cd	(90%):	4 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%): 0.2 lx

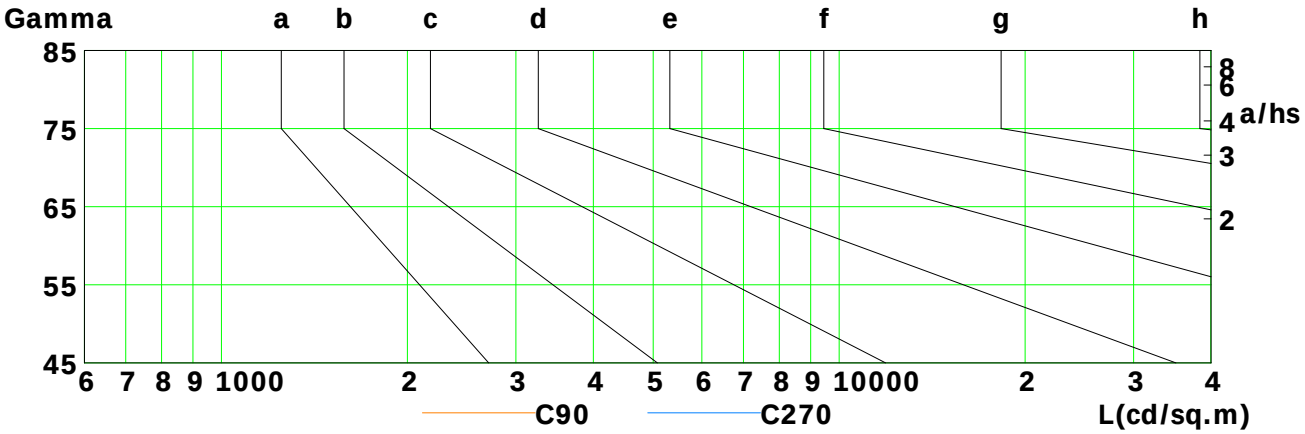
(10%): 0.0 lx	(20%): 0.0 lx
(25%): 0.0 lx	(30%): 0.1 lx
(40%): 0.1 lx	(50%): 0.1 lx
(60%): 0.1 lx	(70%): 0.1 lx
(80%): 0.1 lx	(90%): 0.2 lx

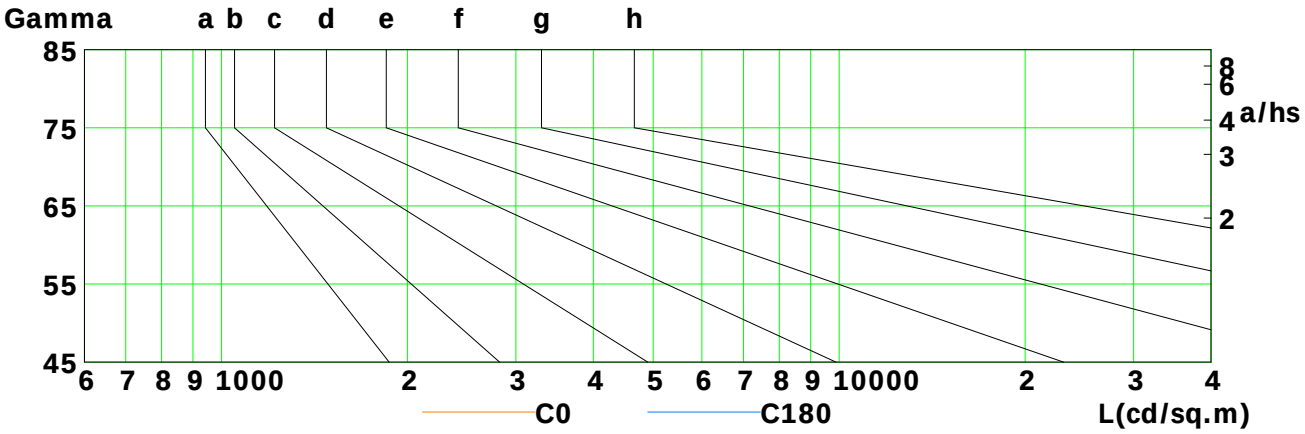
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

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



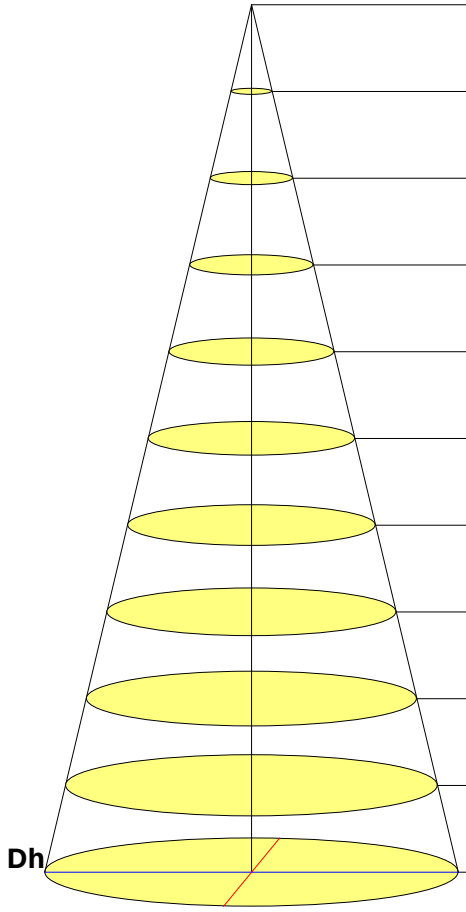


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	67	61	55	49	42	34	27	19	13
C90	144	155	165	180	197	228	274	352	589
C180	64	58	51	45	38	31	20	13	9
C270	141	151	158	175	194	222	267	352	579

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



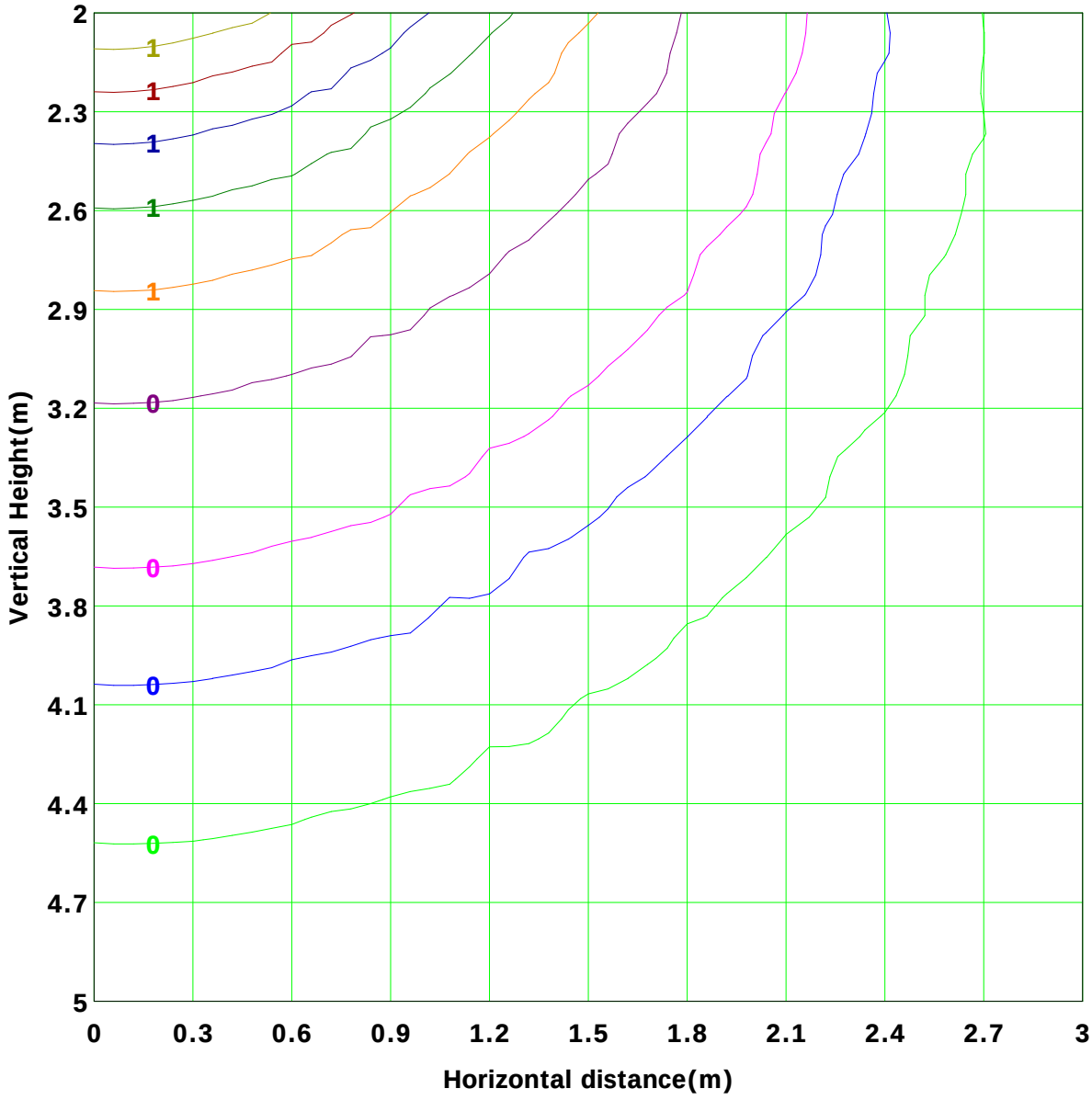
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	4.31	3.00/NA	NA	NA
2.0	1.08	5.99/NA	NA	NA
3.0	0.48	8.99/NA	NA	NA
4.0	0.27	11.98/NA	NA	NA
5.0	0.17	14.98/NA	NA	NA
6.0	0.12	17.97/NA	NA	NA
7.0	0.09	20.97/NA	NA	NA
8.0	0.07	23.96/NA	NA	NA
9.0	0.05	26.96/NA	NA	NA
10.0	0.04	29.95/NA	NA	NA

Beam Angle(B): H112.5 V185.2 Field Angle(F): H162.7 V306.6

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: 1.1 lx

(10%): 0.1 lx	(20%): 0.2 lx
(25%): 0.3 lx	(30%): 0.3 lx
(40%): 0.4 lx	(50%): 0.5 lx
(60%): 0.6 lx	(70%): 0.8 lx
(80%): 0.9 lx	(90%): 1.0 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:

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Area Flux Table

Unit: lm

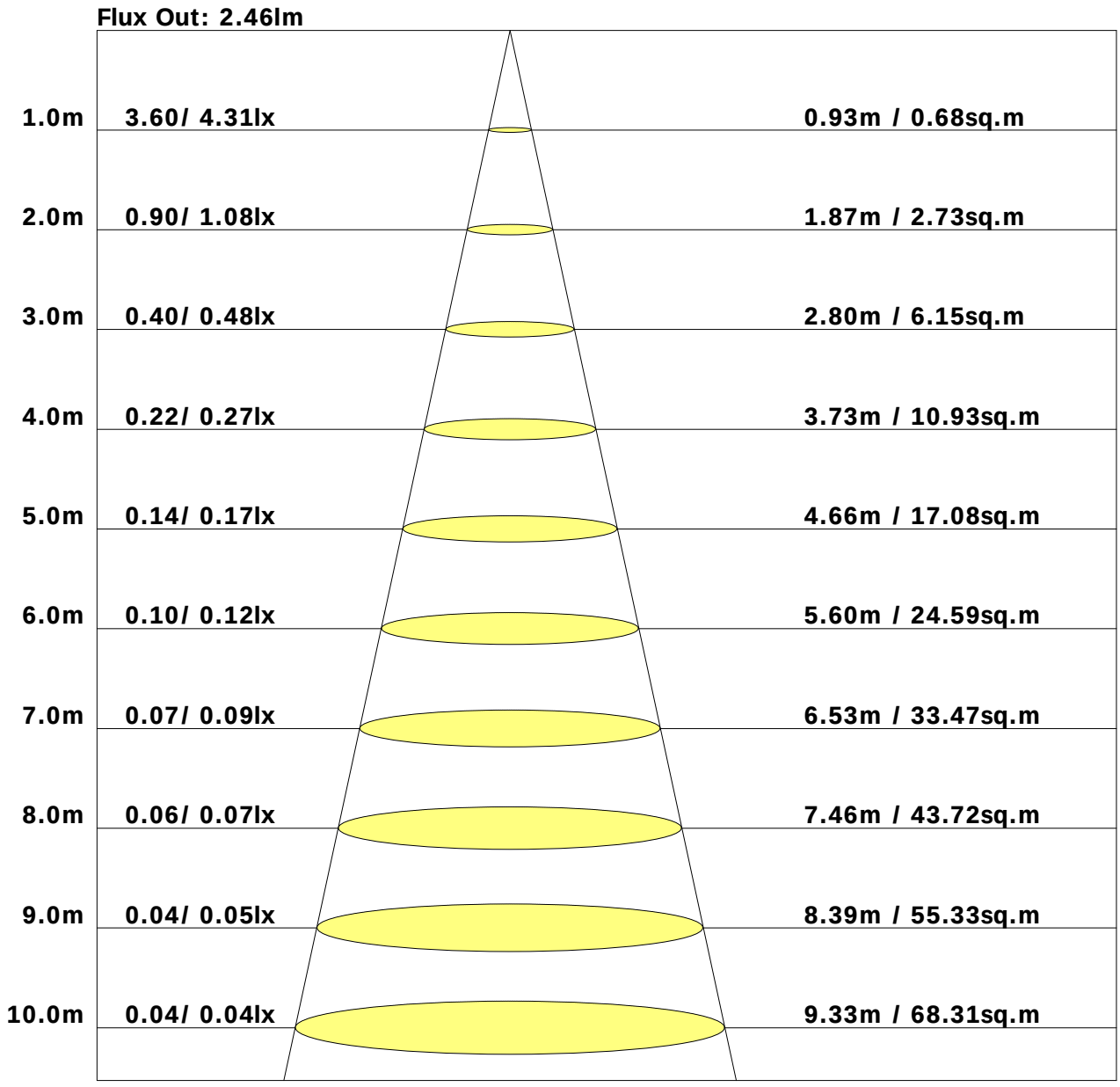
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
-80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.7
-70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.8
-60	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	0.0	0.0	0.0	0.0	0.0	0.9	0.9
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0	1.0
-40	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	1.1
-30	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	1.1
-20	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	1.1
-10	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.2	1.2
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	0.0	1.2	1.2
10	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.2	1.2
20	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	1.1
30	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	1.1
40	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0	1.0
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0	1.0
60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.9
70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.8
80	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	0.0	0.0	0.0	0.0	0.0	0.7	0.7
90																				
Flux(T)	0.0	0.1	0.3	0.6	1.0	1.3	1.6	1.8	2.0	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0	17	
Flux(E)	0.0	0.1	0.3	0.6	1.0	1.3	1.6	1.8	2.0	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0		17

Horizontal plane (90 at the right edge)

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



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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
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	15.9	15.2	16.5	17.3	15.5	16.8	16.2	17.5	18.3
3H	16.5	17.8	17.2	18.5	19.3	18.1	19.3	18.7	20.0	20.8
4H	17.4	18.5	18.0	19.2	20.1	19.3	20.4	19.9	21.1	22.0
6H	18.0	19.1	18.7	19.8	20.7	20.4	21.5	21.1	22.2	23.0
8H	18.3	19.4	19.0	20.1	20.9	20.9	22.0	21.7	22.7	23.6
12H	18.5	19.5	19.2	20.2	21.1	21.5	22.5	22.2	23.2	24.1
X=4H Y=2H	15.3	16.5	16.0	17.2	18.0	16.1	17.3	16.8	18.0	18.8
3H	17.6	18.6	18.3	19.3	20.2	19.0	20.0	19.7	20.7	21.6
4H	18.6	19.5	19.3	20.2	21.1	20.3	21.3	21.1	22.0	22.9
6H	19.4	20.3	20.2	21.0	21.9	21.7	22.5	22.4	23.3	24.1
8H	19.8	20.6	20.5	21.3	22.2	22.3	23.1	23.0	23.8	24.8
12H	20.1	20.8	20.8	21.5	22.5	22.9	23.7	23.7	24.4	25.3
X=8H Y=4H	19.2	20.0	19.9	20.8	21.7	20.7	21.5	21.5	22.3	23.2
6H	20.3	21.0	21.1	21.8	22.7	22.3	23.0	23.1	23.8	24.7
8H	20.8	21.4	21.6	22.2	23.1	23.1	23.7	23.9	24.5	25.4
12H	21.2	21.7	22.0	22.5	23.5	23.9	24.5	24.7	25.2	26.2
X=12H Y=4H	19.4	20.1	20.1	20.9	21.8	20.8	21.5	21.5	22.3	23.2
6H	20.6	21.2	21.4	21.9	22.9	22.4	23.0	23.2	23.8	24.8
8H	21.2	21.7	21.9	22.5	23.5	23.3	23.8	24.1	24.6	25.6

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	0.47	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91
	0.30		0.39	0.47	0.54	0.59	0.67	0.73	0.77	0.83	0.87
	0.20		0.34	0.41	0.48	0.53	0.61	0.67	0.72	0.78	0.83
0.50	0.50	0.20	0.44	0.51	0.57	0.61	0.68	0.72	0.76	0.80	0.83
	0.30		0.37	0.44	0.50	0.55	0.62	0.67	0.71	0.76	0.79
	0.20		0.32	0.39	0.45	0.50	0.57	0.62	0.66	0.72	0.76
0.30	0.50	0.20	0.40	0.46	0.52	0.56	0.62	0.66	0.69	0.73	0.75
	0.30		0.35	0.41	0.47	0.51	0.57	0.61	0.65	0.69	0.73
	0.20		0.30	0.36	0.42	0.46	0.53	0.58	0.61	0.66	0.70
0.00	0.00	0.00	0.26	0.31	0.36	0.40	0.46	0.50	0.53	0.57	0.60

Rating:7W 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	1.02	0.88	0.77	0.68	0.56	0.48	0.42	0.34	0.28
	0.30		0.85	0.76	0.67	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.73	0.66	0.59	0.54	0.47	0.41	0.36	0.30	0.26
0.50	0.50	0.20	0.94	0.81	0.71	0.63	0.52	0.47	0.39	0.31	0.26
	0.30		0.79	0.71	0.62	0.56	0.48	0.41	0.36	0.30	0.25
	0.20		0.69	0.62	0.56	0.51	0.44	0.38	0.34	0.28	0.24
0.30	0.50	0.20	0.87	0.75	0.65	0.58	0.48	0.41	0.36	0.29	0.24
	0.30		0.74	0.66	0.58	0.52	0.44	0.38	0.34	0.28	0.24
	0.20		0.65	0.59	0.53	0.48	0.41	0.36	0.32	0.27	0.23
0.00	0.00	0.00	0.52	0.48	0.42	0.38	0.33	0.29	0.26	0.21	0.18

Rating:7W 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	0.38	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43
	0.30		0.31	0.32	0.33	0.34	0.36	0.37	0.38	0.39	0.39
	0.20		0.26	0.27	0.28	0.29	0.31	0.32	0.34	0.35	0.36
0.50	0.50	0.20	0.36	0.38	0.38	0.39	0.40	0.40	0.41	0.41	0.41
	0.30		0.30	0.31	0.33	0.33	0.35	0.36	0.36	0.37	0.38
	0.20		0.25	0.27	0.28	0.29	0.30	0.32	0.33	0.34	0.35
0.30	0.50	0.20	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.39	0.39
	0.30		0.29	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.37
	0.20		0.25	0.26	0.27	0.28	0.30	0.31	0.32	0.33	0.34
0.00	0.00	0.00	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22

Rating:7W 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	4.3	0.0	0.0	0.02	0.02
1.0-2.0	4.3	0.0	0.0	0.06	0.07
2.0-3.0	4.3	0.0	0.0	0.09	0.17
3.0-4.0	4.3	0.0	0.1	0.13	0.30
4.0-5.0	4.3	0.0	0.1	0.17	0.47
5.0-6.0	4.3	0.0	0.1	0.20	0.67
6.0-7.0	4.3	0.1	0.2	0.24	0.91
7.0-8.0	4.3	0.1	0.3	0.28	1.19
8.0-9.0	4.3	0.1	0.3	0.31	1.50
9.0-10.0	4.3	0.1	0.4	0.35	1.85
10.0-11.0	4.3	0.1	0.5	0.38	2.23
11.0-12.0	4.3	0.1	0.6	0.42	2.65
12.0-13.0	4.2	0.1	0.7	0.45	3.10
13.0-14.0	4.2	0.1	0.8	0.49	3.59
14.0-15.0	4.2	0.1	0.9	0.52	4.11
15.0-16.0	4.2	0.1	1.0	0.55	4.67
16.0-17.0	4.2	0.1	1.2	0.59	5.25
17.0-18.0	4.2	0.1	1.3	0.62	5.88
18.0-19.0	4.2	0.1	1.5	0.65	6.53
19.0-20.0	4.1	0.2	1.6	0.68	7.21
20.0-21.0	4.1	0.2	1.8	0.71	7.92
21.0-22.0	4.1	0.2	1.9	0.74	8.66
22.0-23.0	4.1	0.2	2.1	0.77	9.43
23.0-24.0	4.1	0.2	2.3	0.80	10.23
24.0-25.0	4.0	0.2	2.5	0.82	11.05
25.0-26.0	4.0	0.2	2.6	0.85	11.90
26.0-27.0	4.0	0.2	2.8	0.88	12.78
27.0-28.0	4.0	0.2	3.0	0.90	13.68
28.0-29.0	3.9	0.2	3.2	0.93	14.61
29.0-30.0	3.9	0.2	3.5	0.95	15.56
30.0-31.0	3.9	0.2	3.7	0.97	16.53
31.0-32.0	3.9	0.2	3.9	0.99	17.52
32.0-33.0	3.8	0.2	4.1	1.01	18.54
33.0-34.0	3.8	0.2	4.4	1.03	19.57
34.0-35.0	3.8	0.2	4.6	1.05	20.62
35.0-36.0	3.7	0.2	4.8	1.07	21.69

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	3.7	0.2	5.1	1.08	22.77
37.0-38.0	3.7	0.2	5.3	1.10	23.87
38.0-39.0	3.6	0.2	5.6	1.12	24.99
39.0-40.0	3.6	0.3	5.8	1.13	26.12
40.0-41.0	3.5	0.3	6.1	1.13	27.25
41.0-42.0	3.5	0.3	6.3	1.15	28.40
42.0-43.0	3.5	0.3	6.6	1.16	29.56
43.0-44.0	3.4	0.3	6.8	1.17	30.73
44.0-45.0	3.4	0.3	7.1	1.18	31.91
45.0-46.0	3.4	0.3	7.4	1.18	33.09
46.0-47.0	3.3	0.3	7.6	1.19	34.28
47.0-48.0	3.3	0.3	7.9	1.20	35.47
48.0-49.0	3.2	0.3	8.2	1.20	36.67
49.0-50.0	3.2	0.3	8.4	1.20	37.87
50.0-51.0	3.2	0.3	8.7	1.20	39.07
51.0-52.0	3.1	0.3	9.0	1.21	40.28
52.0-53.0	3.1	0.3	9.2	1.21	41.49
53.0-54.0	3.0	0.3	9.5	1.20	42.69
54.0-55.0	3.0	0.3	9.8	1.20	43.89
55.0-56.0	2.9	0.3	10.0	1.19	45.08
56.0-57.0	2.9	0.3	10.3	1.19	46.27
57.0-58.0	2.8	0.3	10.6	1.18	47.46
58.0-59.0	2.8	0.3	10.8	1.18	48.63
59.0-60.0	2.8	0.3	11.1	1.17	49.81
60.0-61.0	2.7	0.3	11.3	1.17	50.97
61.0-62.0	2.7	0.3	11.6	1.16	52.13
62.0-63.0	2.6	0.3	11.8	1.14	53.27
63.0-64.0	2.6	0.3	12.1	1.13	54.41
64.0-65.0	2.5	0.3	12.3	1.12	55.53
65.0-66.0	2.5	0.2	12.6	1.11	56.64
66.0-67.0	2.4	0.2	12.8	1.10	57.75
67.0-68.0	2.4	0.2	13.1	1.09	58.84
68.0-69.0	2.3	0.2	13.3	1.07	59.91
69.0-70.0	2.3	0.2	13.6	1.06	60.97
70.0-71.0	2.2	0.2	13.8	1.04	62.00
71.0-72.0	2.2	0.2	14.0	1.02	63.02

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	2.1	0.2	14.2	1.01	64.02
73.0-74.0	2.1	0.2	14.5	0.99	65.02
74.0-75.0	2.0	0.2	14.7	0.97	65.99
75.0-76.0	2.0	0.2	14.9	0.95	66.94
76.0-77.0	1.9	0.2	15.1	0.93	67.88
77.0-78.0	1.9	0.2	15.3	0.93	68.80
78.0-79.0	1.9	0.2	15.5	0.91	69.71
79.0-80.0	1.8	0.2	15.7	0.88	70.59
80.0-81.0	1.8	0.2	15.9	0.87	71.46
81.0-82.0	1.7	0.2	16.1	0.85	72.31
82.0-83.0	1.7	0.2	16.3	0.83	73.14
83.0-84.0	1.6	0.2	16.4	0.81	73.94
84.0-85.0	1.6	0.2	16.6	0.80	74.74
85.0-86.0	1.6	0.2	16.8	0.78	75.52
86.0-87.0	1.5	0.2	17.0	0.76	76.27
87.0-88.0	1.5	0.2	17.1	0.74	77.02
88.0-89.0	1.5	0.2	17.3	0.72	77.74
89.0-90.0	1.4	0.2	17.4	0.71	78.45
90.0-91.0	1.4	0.2	17.6	0.70	79.15
91.0-92.0	1.4	0.2	17.8	0.68	79.82
92.0-93.0	1.3	0.1	17.9	0.66	80.49
93.0-94.0	1.3	0.1	18.0	0.65	81.13
94.0-95.0	1.3	0.1	18.2	0.63	81.76
95.0-96.0	1.3	0.1	18.3	0.62	82.38
96.0-97.0	1.2	0.1	18.5	0.61	82.99
97.0-98.0	1.2	0.1	18.6	0.59	83.58
98.0-99.0	1.2	0.1	18.7	0.58	84.16
99.0-100.0	1.2	0.1	18.8	0.57	84.73
100.0-101.0	1.1	0.1	19.0	0.55	85.28
101.0-102.0	1.1	0.1	19.1	0.53	85.81
102.0-103.0	1.1	0.1	19.2	0.52	86.33
103.0-104.0	1.1	0.1	19.3	0.51	86.84
104.0-105.0	1.0	0.1	19.4	0.50	87.34
105.0-106.0	1.0	0.1	19.5	0.48	87.82
106.0-107.0	1.0	0.1	19.6	0.47	88.28
107.0-108.0	1.0	0.1	19.7	0.46	88.74

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

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

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.0	0.1	19.8	0.45	89.19
109.0-110.0	0.9	0.1	19.9	0.43	89.62
110.0-111.0	0.9	0.1	20.0	0.42	90.04
111.0-112.0	0.9	0.1	20.1	0.40	90.44
112.0-113.0	0.9	0.1	20.2	0.39	90.84
113.0-114.0	0.9	0.1	20.3	0.39	91.22
114.0-115.0	0.8	0.1	20.4	0.38	91.60
115.0-116.0	0.8	0.1	20.5	0.37	91.97
116.0-117.0	0.8	0.1	20.5	0.36	92.33
117.0-118.0	0.8	0.1	20.6	0.34	92.67
118.0-119.0	0.8	0.1	20.7	0.33	93.00
119.0-120.0	0.8	0.1	20.8	0.32	93.33
120.0-121.0	0.7	0.1	20.8	0.31	93.64
121.0-122.0	0.7	0.1	20.9	0.30	93.94
122.0-123.0	0.7	0.1	21.0	0.29	94.23
123.0-124.0	0.7	0.1	21.0	0.28	94.51
124.0-125.0	0.7	0.1	21.1	0.28	94.79
125.0-126.0	0.7	0.1	21.1	0.27	95.06
126.0-127.0	0.6	0.1	21.2	0.25	95.31
127.0-128.0	0.6	0.1	21.2	0.23	95.54
128.0-129.0	0.6	0.1	21.3	0.23	95.77
129.0-130.0	0.6	0.0	21.3	0.22	95.99
130.0-131.0	0.6	0.0	21.4	0.21	96.19
131.0-132.0	0.5	0.0	21.4	0.20	96.39
132.0-133.0	0.5	0.0	21.5	0.20	96.59
133.0-134.0	0.5	0.0	21.5	0.19	96.78
134.0-135.0	0.5	0.0	21.6	0.18	96.96
135.0-136.0	0.5	0.0	21.6	0.18	97.14
136.0-137.0	0.5	0.0	21.6	0.17	97.31
137.0-138.0	0.5	0.0	21.7	0.16	97.47
138.0-139.0	0.5	0.0	21.7	0.16	97.63
139.0-140.0	0.5	0.0	21.7	0.15	97.77
140.0-141.0	0.4	0.0	21.8	0.14	97.91
141.0-142.0	0.4	0.0	21.8	0.13	98.05
142.0-143.0	0.4	0.0	21.8	0.13	98.18
143.0-144.0	0.4	0.0	21.9	0.12	98.30

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.4	0.0	21.9	0.11	98.41
145.0-146.0	0.4	0.0	21.9	0.11	98.52
146.0-147.0	0.4	0.0	21.9	0.10	98.62
147.0-148.0	0.4	0.0	22.0	0.10	98.72
148.0-149.0	0.4	0.0	22.0	0.09	98.82
149.0-150.0	0.4	0.0	22.0	0.09	98.91
150.0-151.0	0.3	0.0	22.0	0.08	98.99
151.0-152.0	0.3	0.0	22.0	0.08	99.07
152.0-153.0	0.3	0.0	22.0	0.08	99.15
153.0-154.0	0.3	0.0	22.1	0.07	99.22
154.0-155.0	0.3	0.0	22.1	0.07	99.29
155.0-156.0	0.3	0.0	22.1	0.06	99.35
156.0-157.0	0.3	0.0	22.1	0.06	99.41
157.0-158.0	0.3	0.0	22.1	0.06	99.46
158.0-159.0	0.3	0.0	22.1	0.05	99.52
159.0-160.0	0.3	0.0	22.1	0.05	99.57
160.0-161.0	0.3	0.0	22.2	0.05	99.61
161.0-162.0	0.3	0.0	22.2	0.04	99.66
162.0-163.0	0.3	0.0	22.2	0.04	99.70
163.0-164.0	0.3	0.0	22.2	0.04	99.74
164.0-165.0	0.3	0.0	22.2	0.03	99.77
165.0-166.0	0.3	0.0	22.2	0.03	99.80
166.0-167.0	0.3	0.0	22.2	0.03	99.83
167.0-168.0	0.2	0.0	22.2	0.03	99.86
168.0-169.0	0.2	0.0	22.2	0.02	99.88
169.0-170.0	0.2	0.0	22.2	0.02	99.90
170.0-171.0	0.2	0.0	22.2	0.02	99.92
171.0-172.0	0.2	0.0	22.2	0.02	99.94
172.0-173.0	0.2	0.0	22.2	0.01	99.95
173.0-174.0	0.2	0.0	22.2	0.01	99.97
174.0-175.0	0.2	0.0	22.2	0.01	99.98
175.0-176.0	0.2	0.0	22.2	0.01	99.99
176.0-177.0	0.2	0.0	22.2	0.01	99.99
177.0-178.0	0.2	0.0	22.2	0.00	100.00
178.0-179.0	0.2	0.0	22.2	0.00	100.00
179.0-180.0	0.2	0.0	22.2	0.00	100.00

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

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