

Report No.: 20230810

Test Time: 2023/8/10 16:50

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Pixel Bar

Luminaire Description: Pixel Bar 900 mm Round Milky RED

Lamp Description: RGBW+3000K

Luminous Width (mm): 40

Voltage: 219.5 V

Power: 7.30 W

Luminous Length (mm): 900

Luminous Height (mm): 30

Current: 0.053 A

Power Factor: 0.624

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 56.7 lm

Downward Ratio: 80%

Horizontal Diffuse Angle(10%,50%): H160.4,H111.8

Vertical Diffuse Angle(10%,50%): V293.7,V183.4

Luminaire Efficacy Rating (LER): 8

Max. Intensity: 11.47 cd

Total Rated Lamp Lumens: 56.7 lm

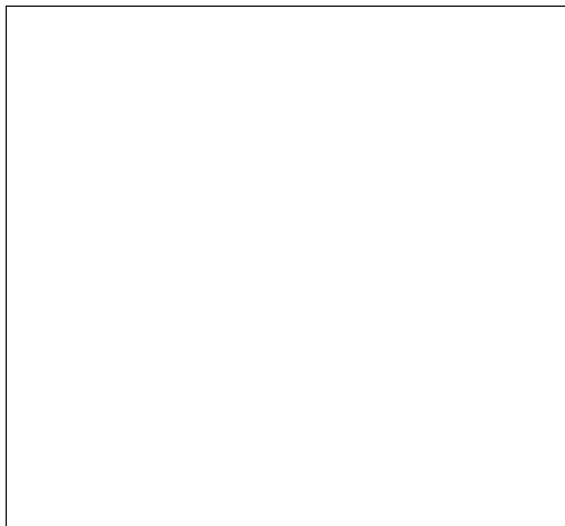
Efficiency: 100%

Upward Ratio: 20%

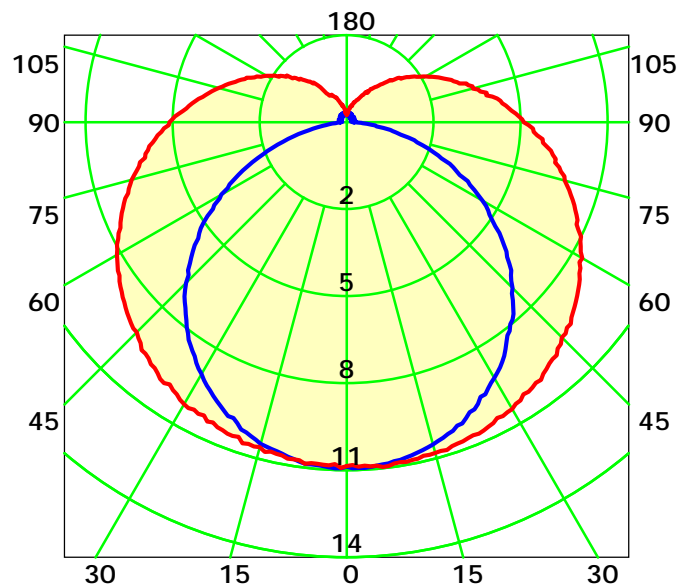
Central Intensity: 11.39 cd

Pos of Max. Intensity: H60 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 147.6° Unit: cd
— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

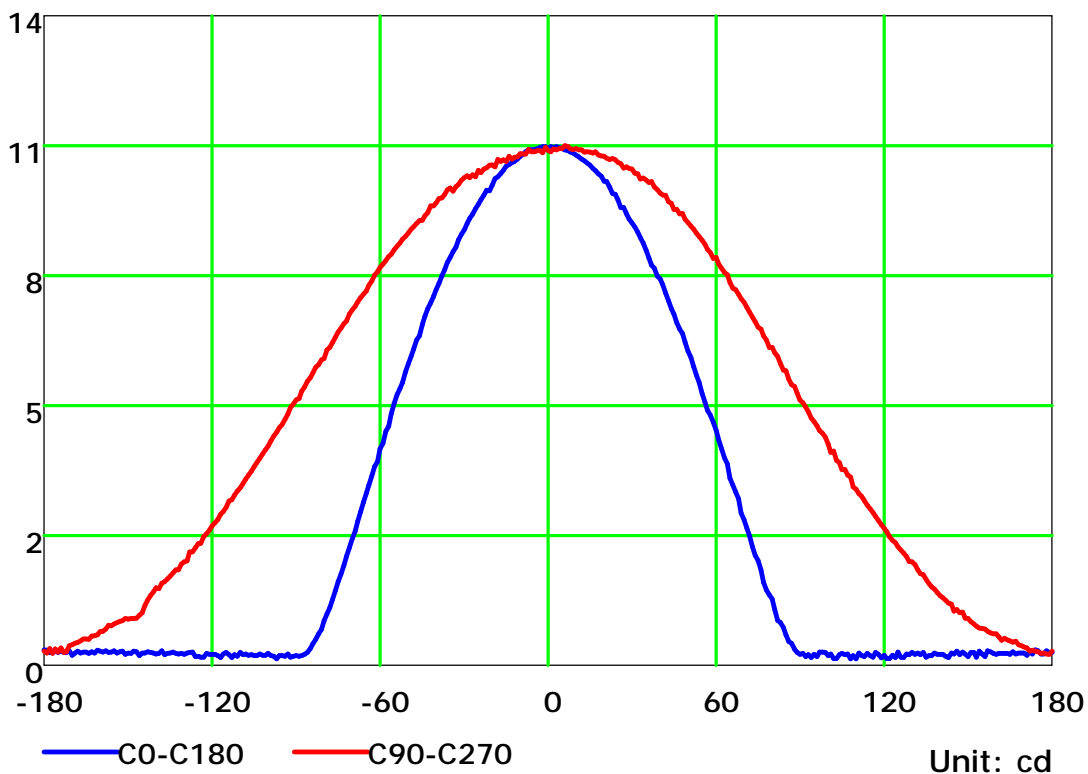
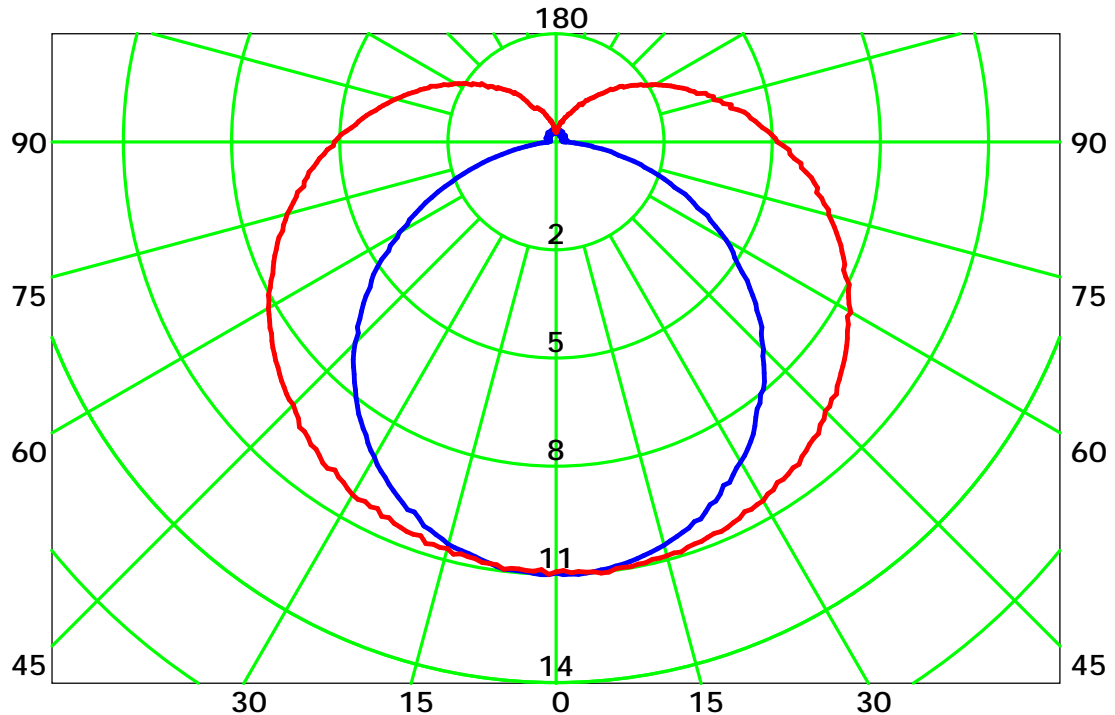
Distance: 9.028 m

Humidity: 60%

Inspector:



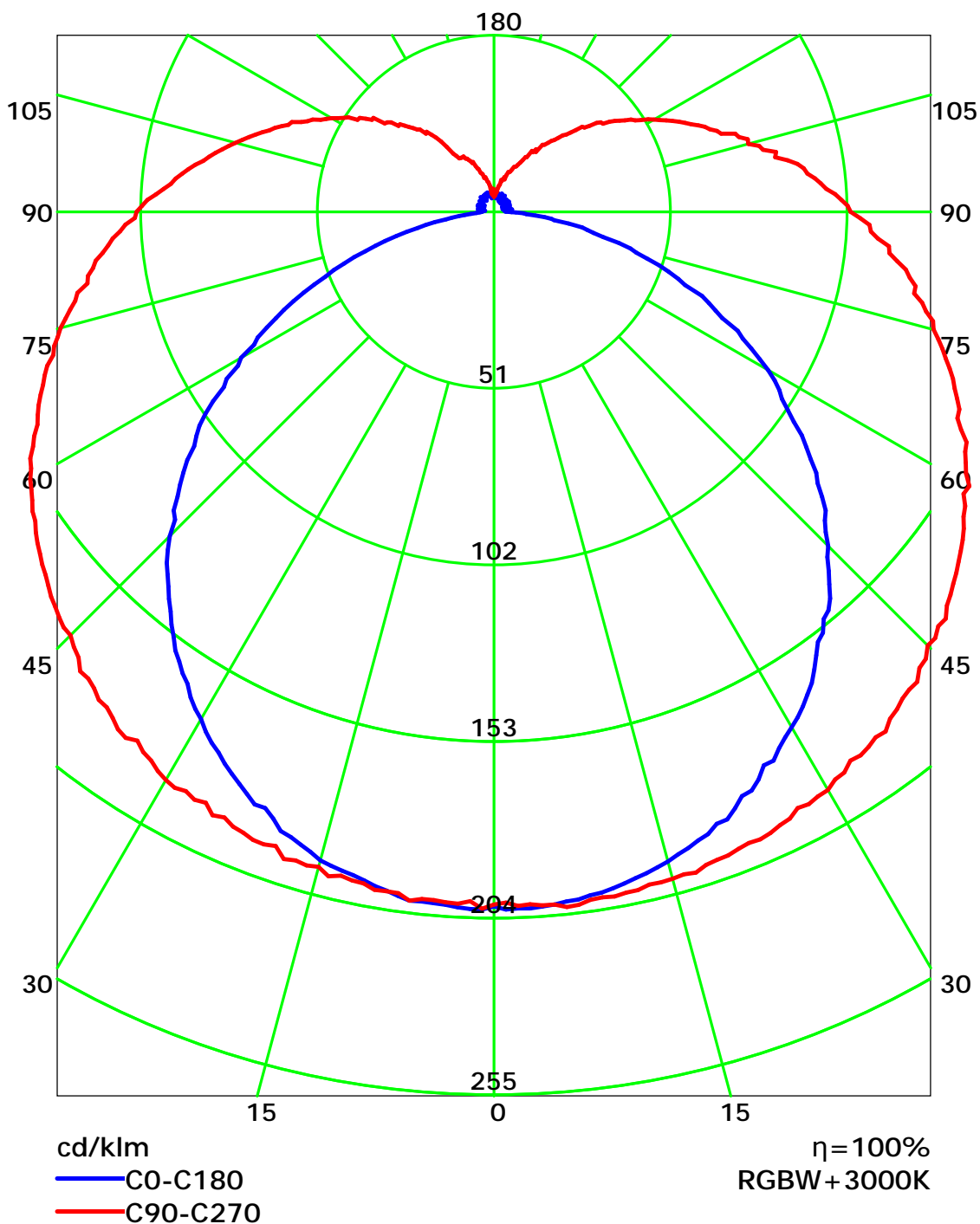
Luminous Intensity Distribution Curve



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

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

Luminous Intensity Distribution Curve(cd/klm)



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

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

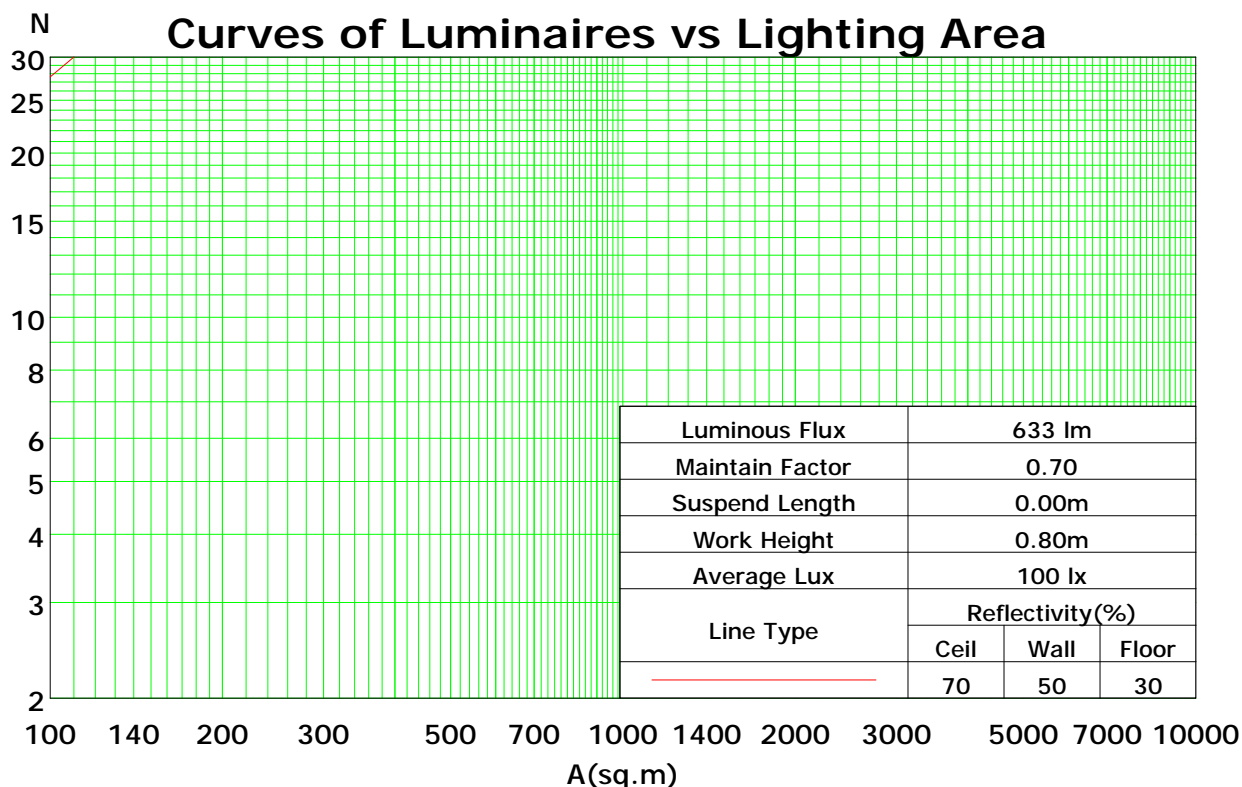
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	114	114	114	114	109	109	109	109	100	100	100	92	92	92	84	84	84	80
1	101	95	89	85	96	91	86	81	83	79	75	75	72	69	69	66	64	60
2	91	81	73	66	86	77	70	64	70	65	60	64	59	55	58	54	51	48
3	82	70	61	54	78	67	59	52	61	54	49	56	50	45	51	46	42	39
4	74	61	52	45	71	59	50	43	54	46	41	49	43	38	45	40	35	32
5	68	54	45	38	65	52	43	37	48	40	35	44	37	32	40	34	30	27
6	63	49	39	33	59	47	38	32	43	35	30	39	33	28	36	30	26	24
7	58	44	35	28	55	42	34	28	39	31	26	36	29	25	33	27	23	21
8	54	40	31	25	51	38	30	24	35	28	23	33	26	22	30	25	20	18
9	50	36	28	22	48	35	27	22	32	25	21	30	24	19	28	22	18	16
10	47	33	25	20	45	32	25	20	30	23	19	28	22	18	26	20	17	15

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.43

Spacing Criteria (Diagonal): 1.49



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

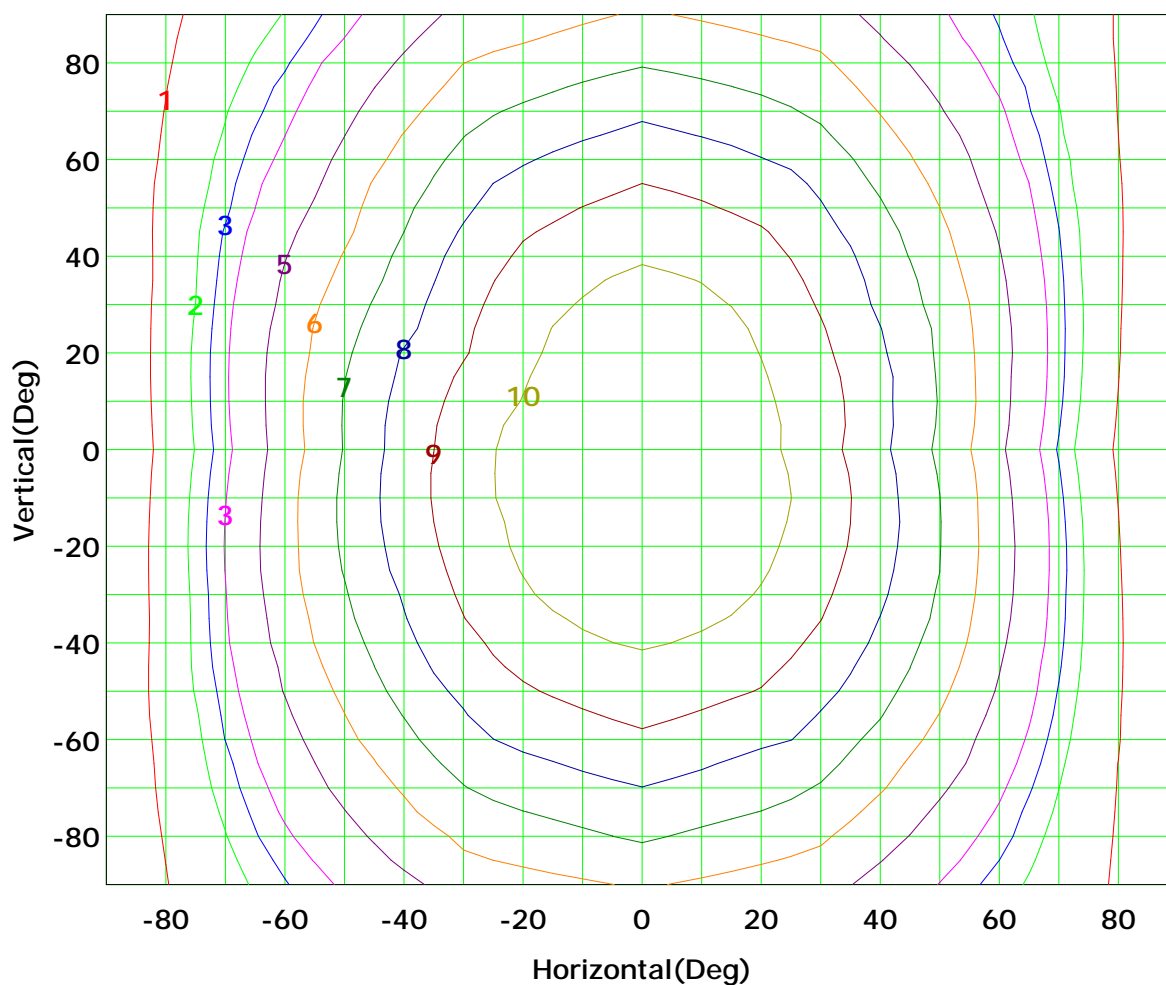
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



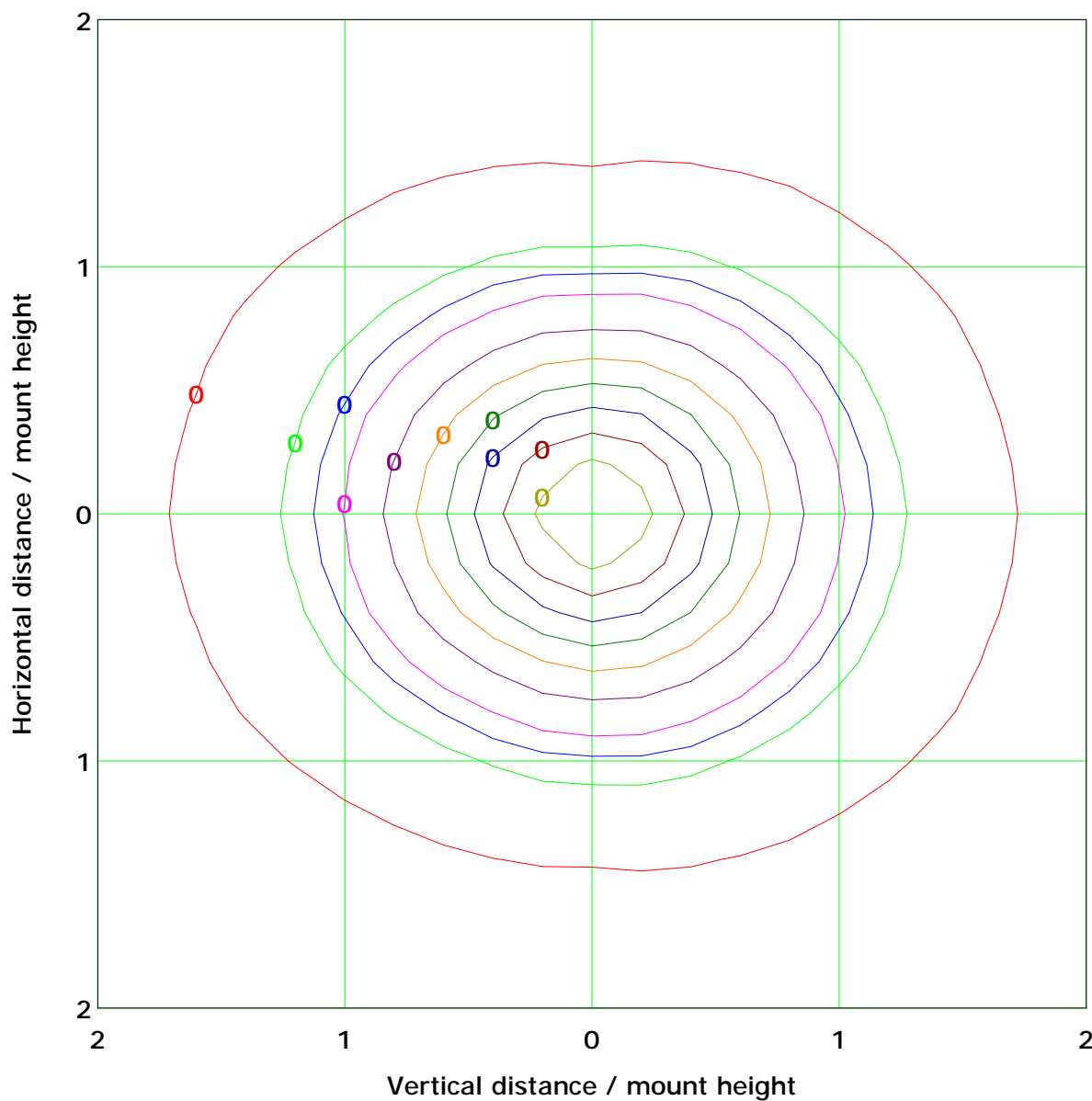
I_{max} (100%): 11 cd

(10%):	1 cd	(20%):	2 cd
(25%):	3 cd	(30%):	3 cd
(40%):	5 cd	(50%):	6 cd
(60%):	7 cd	(70%):	8 cd
(80%):	9 cd	(90%):	10 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



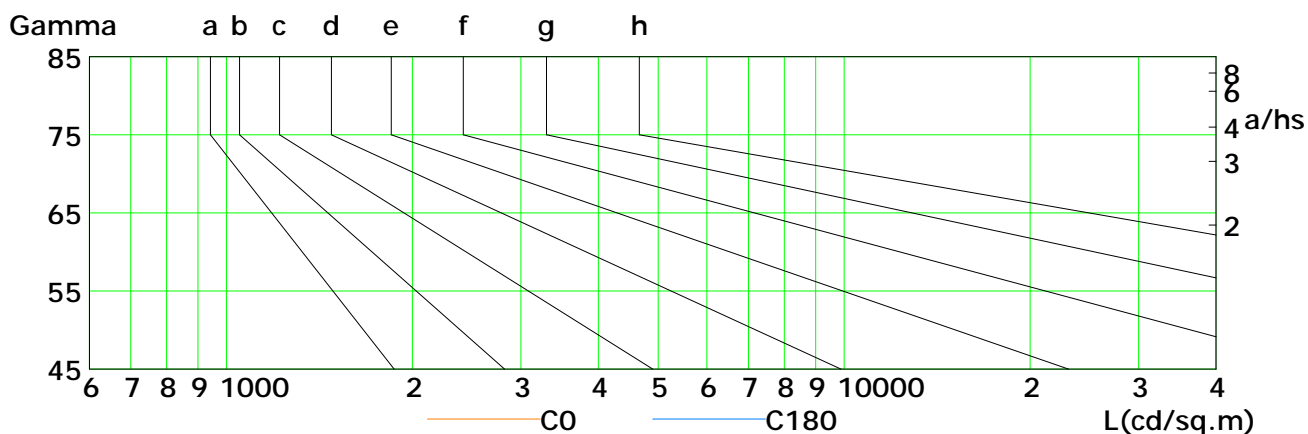
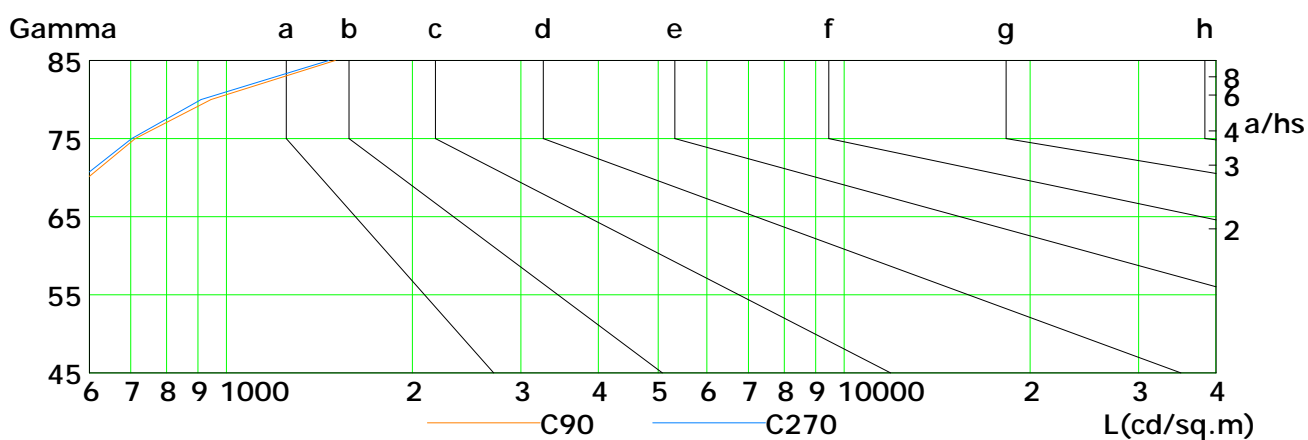
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

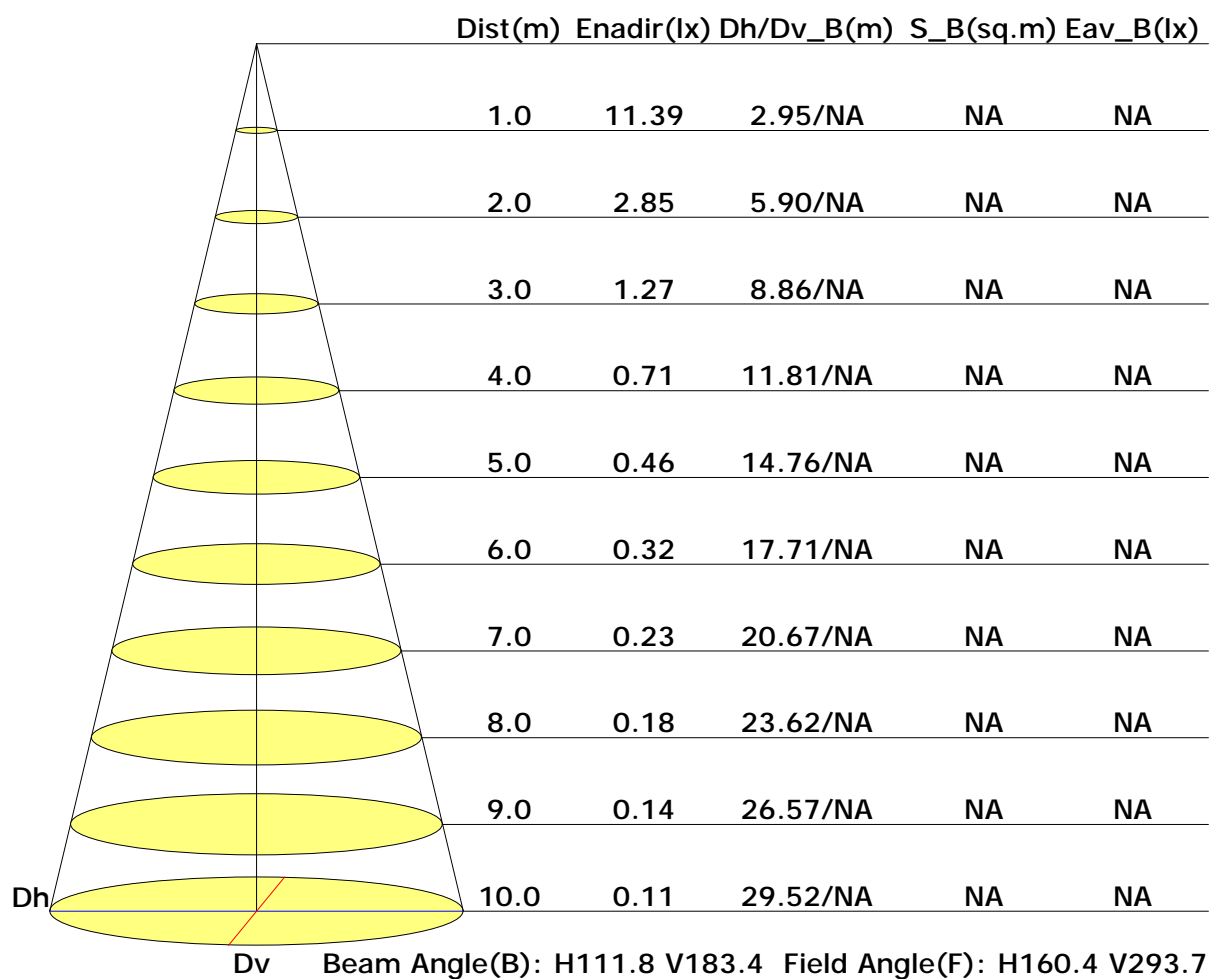


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	174	158	140	125	104	85	66	45	23
C90	382	406	434	473	518	596	712	944	1500
C180	169	152	135	116	96	74	52	30	13
C270	373	397	424	461	507	583	703	911	1465

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

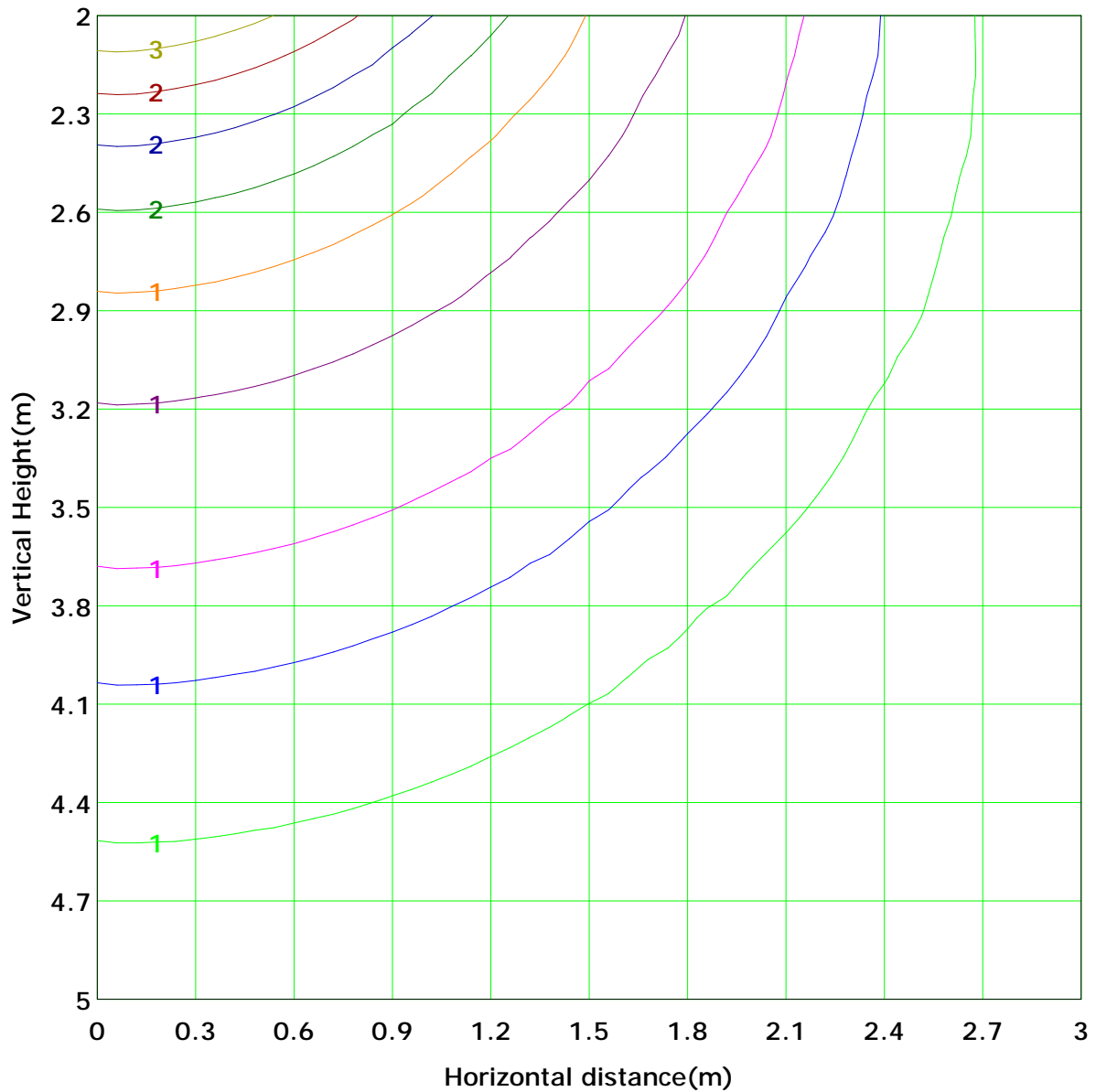


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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: 2.9 lx
(10%): 0.3 lx	(20%): 0.6 lx	(30%): 0.9 lx
(25%): 0.7 lx	(50%): 1.4 lx	(70%): 2.0 lx
(40%): 1.1 lx	(90%): 2.6 lx	
(60%): 1.7 lx		
(80%): 2.3 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

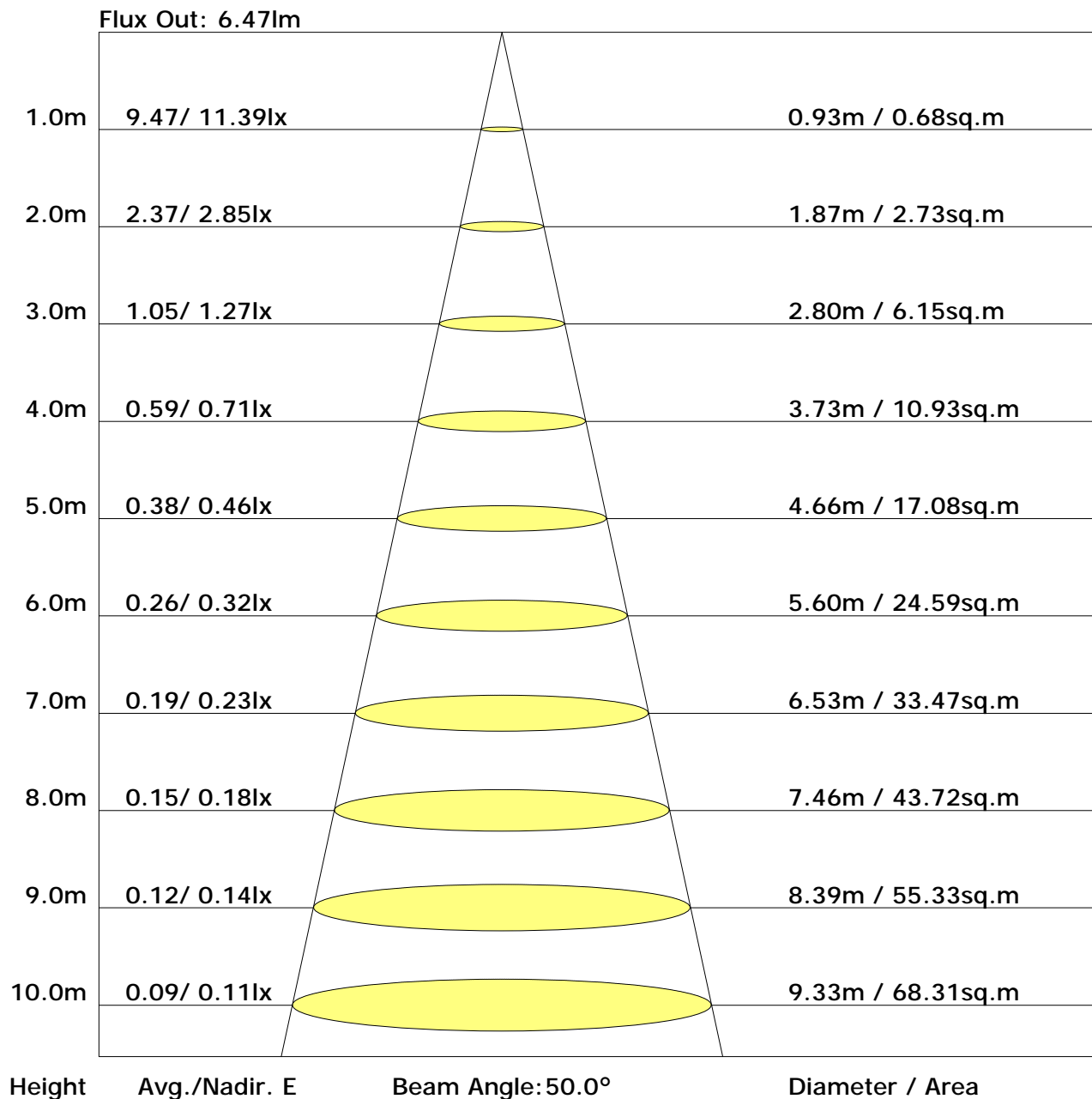
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	-60	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	0.1	0.1	0.0	0.0	0.0
	-50	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	0.1	0.1	0.0	0.0	0.0
	-40	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	0.1	0.1	0.0	0.0	0.0
	-30	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	0.1	0.1	0.1	0.0	0.0	0.0
	-20	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	0.1	0.1	0.1	0.0	0.0	0.0
	-10	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	0.1	0.1	0.1	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	0.1	0.1	0.1	0.0	0.0	0.0
	10	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	0.1	0.1	0.1	0.0	0.0	0.0
	20	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	0.1	0.1	0.1	0.0	0.0	0.0
	30	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	0.1	0.1	0.1	0.0	0.0	0.0
	40	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	0.1	0.1	0.1	0.0	0.0	0.0
	50	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	0.1	0.1	0.1	0.0	0.0	0.0
	60	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	0.1	0.1	0.1	0.0	0.0	0.0
	70	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	0.1	0.1	0.1	0.0	0.0	0.0
	80	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	0.1	0.1	0.1	0.0	0.0	0.0
	90	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	0.1	0.1	0.1	0.0	0.0	0.0
	Flux(T)	0.0	0.3	0.8	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	0.8	0.3	0.0	45		45
	Flux(E)	0.0	0.3	0.8	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	0.8	0.3	0.0			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:



The Average Illuminance Effective Figure



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

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

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	14.8	16.1	15.4	16.8	17.5	15.8	17.2	16.4	17.8	18.6
3H	16.7	17.9	17.3	18.6	19.4	18.3	19.5	18.9	20.2	21.0
4H	17.4	18.6	18.1	19.3	20.1	19.5	20.6	20.1	21.3	22.1
6H	18.0	19.1	18.7	19.8	20.6	20.6	21.7	21.3	22.4	23.2
8H	18.2	19.2	18.9	19.9	20.8	21.1	22.2	21.8	22.9	23.7
12H	18.3	19.3	19.0	20.0	20.9	21.7	22.7	22.4	23.4	24.3
X=4H Y=2H	15.6	16.8	16.2	17.4	18.2	16.4	17.6	17.1	18.3	19.1
3H	17.7	18.8	18.4	19.5	20.3	19.2	20.2	19.9	20.9	21.8
4H	18.6	19.6	19.3	20.3	21.2	20.5	21.5	21.2	22.2	23.1
6H	19.4	20.2	20.1	21.0	21.8	21.9	22.7	22.6	23.5	24.3
8H	19.7	20.5	20.4	21.2	22.1	22.5	23.3	23.2	24.1	24.9
12H	19.9	20.6	20.6	21.4	22.3	23.2	23.9	23.9	24.6	25.5
X=8H Y=4H	19.3	20.1	20.0	20.8	21.7	20.9	21.7	21.6	22.5	23.3
6H	20.3	21.0	21.0	21.8	22.6	22.5	23.2	23.2	24.0	24.8
8H	20.7	21.3	21.5	22.1	23.0	23.3	23.9	24.0	24.7	25.6
12H	21.1	21.6	21.9	22.4	23.4	24.1	24.7	24.9	25.4	26.4
X=12H Y=4H	19.5	20.2	20.2	21.0	21.8	21.0	21.7	21.7	22.5	23.3
6H	20.6	21.2	21.3	22.0	22.9	22.6	23.2	23.4	24.0	24.9
8H	21.1	21.7	21.9	22.4	23.4	23.5	24.0	24.3	24.8	25.8

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	0.48	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92	
	0.30		0.40	0.47	0.55	0.60	0.68	0.73	0.77	0.83	0.87	
	0.20		0.34	0.41	0.48	0.54	0.62	0.68	0.72	0.79	0.83	
0.50	0.50	0.20	0.44	0.51	0.58	0.62	0.69	0.73	0.76	0.81	0.84	
	0.30		0.38	0.44	0.51	0.56	0.63	0.68	0.72	0.77	0.80	
	0.20		0.32	0.39	0.46	0.51	0.58	0.63	0.67	0.73	0.77	
0.30	0.50	0.20	0.41	0.47	0.53	0.57	0.63	0.67	0.70	0.74	0.77	
	0.30		0.35	0.41	0.48	0.52	0.58	0.63	0.66	0.71	0.74	
	0.20		0.31	0.37	0.43	0.47	0.54	0.59	0.62	0.68	0.71	
0.00	0.00	0.00	0.27	0.32	0.38	0.41	0.47	0.51	0.54	0.59	0.62	
Rating: 7W 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 = 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	0.46	0.41	0.36	0.30	0.26	
0.50	0.50	0.20	0.94	0.82	0.71	0.63	0.52	0.47	0.39	0.31	0.26	
	0.30		0.80	0.71	0.63	0.57	0.48	0.41	0.36	0.30	0.25	
	0.20		0.69	0.63	0.56	0.51	0.44	0.38	0.34	0.28	0.24	
0.30	0.50	0.20	0.88	0.75	0.65	0.58	0.48	0.41	0.36	0.29	0.24	
	0.30		0.75	0.66	0.59	0.53	0.44	0.39	0.34	0.28	0.24	
	0.20		0.66	0.59	0.53	0.48	0.41	0.36	0.32	0.27	0.23	
0.00	0.00	0.00	0.53	0.48	0.43	0.39	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												

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	0.36	0.37	0.38	0.39	0.40	0.40	0.40	0.41	0.41
	0.30		0.29	0.30	0.32	0.32	0.34	0.35	0.36	0.37	0.38
	0.20		0.24	0.25	0.26	0.27	0.29	0.31	0.32	0.33	0.35
0.50	0.50	0.20	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.39
	0.30		0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36
	0.20		0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32	0.33
0.30	0.50	0.20	0.33	0.35	0.35	0.36	0.37	0.37	0.37	0.38	0.38
	0.30		0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	0.35
	0.20		0.23	0.25	0.26	0.27	0.28	0.29	0.30	0.32	0.32
0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Rating: 7W 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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	11.4	0.0	0.0	0.02	0.02
1.0-2.0	11.4	0.0	0.0	0.06	0.08
2.0-3.0	11.4	0.1	0.1	0.10	0.17
3.0-4.0	11.4	0.1	0.2	0.13	0.31
4.0-5.0	11.4	0.1	0.3	0.17	0.48
5.0-6.0	11.4	0.1	0.4	0.21	0.69
6.0-7.0	11.4	0.1	0.5	0.25	0.94
7.0-8.0	11.3	0.2	0.7	0.29	1.23
8.0-9.0	11.3	0.2	0.9	0.32	1.55
9.0-10.0	11.3	0.2	1.1	0.36	1.91
10.0-11.0	11.3	0.2	1.3	0.40	2.31
11.0-12.0	11.2	0.2	1.6	0.43	2.74
12.0-13.0	11.2	0.3	1.8	0.47	3.21
13.0-14.0	11.2	0.3	2.1	0.50	3.71
14.0-15.0	11.1	0.3	2.4	0.54	4.25
15.0-16.0	11.1	0.3	2.7	0.57	4.82
16.0-17.0	11.0	0.3	3.1	0.61	5.43
17.0-18.0	11.0	0.4	3.4	0.64	6.07
18.0-19.0	10.9	0.4	3.8	0.67	6.74
19.0-20.0	10.9	0.4	4.2	0.70	7.45
20.0-21.0	10.9	0.4	4.6	0.74	8.18
21.0-22.0	10.8	0.4	5.1	0.77	8.95
22.0-23.0	10.7	0.5	5.5	0.80	9.75
23.0-24.0	10.7	0.5	6.0	0.83	10.57
24.0-25.0	10.6	0.5	6.5	0.85	11.42
25.0-26.0	10.6	0.5	7.0	0.88	12.30
26.0-27.0	10.5	0.5	7.5	0.91	13.21
27.0-28.0	10.4	0.5	8.0	0.93	14.14
28.0-29.0	10.4	0.5	8.6	0.96	15.10
29.0-30.0	10.3	0.6	9.1	0.98	16.08
30.0-31.0	10.2	0.6	9.7	1.00	17.08
31.0-32.0	10.1	0.6	10.3	1.03	18.11
32.0-33.0	10.1	0.6	10.9	1.05	19.15
33.0-34.0	10.0	0.6	11.5	1.07	20.22
34.0-35.0	9.9	0.6	12.1	1.09	21.30
35.0-36.0	9.8	0.6	12.7	1.10	22.41

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	9.7	0.6	13.3	1.12	23.52
37.0-38.0	9.6	0.6	14.0	1.13	24.66
38.0-39.0	9.5	0.7	14.6	1.15	25.81
39.0-40.0	9.4	0.7	15.3	1.16	26.97
40.0-41.0	9.3	0.7	15.9	1.17	28.15
41.0-42.0	9.3	0.7	16.6	1.19	29.33
42.0-43.0	9.2	0.7	17.3	1.20	30.53
43.0-44.0	9.0	0.7	18.0	1.21	31.74
44.0-45.0	8.9	0.7	18.7	1.21	32.95
45.0-46.0	8.8	0.7	19.4	1.22	34.17
46.0-47.0	8.7	0.7	20.1	1.22	35.39
47.0-48.0	8.6	0.7	20.7	1.23	36.62
48.0-49.0	8.5	0.7	21.4	1.23	37.85
49.0-50.0	8.4	0.7	22.1	1.23	39.09
50.0-51.0	8.3	0.7	22.8	1.24	40.32
51.0-52.0	8.2	0.7	23.5	1.24	41.56
52.0-53.0	8.0	0.7	24.2	1.24	42.80
53.0-54.0	7.9	0.7	24.9	1.23	44.03
54.0-55.0	7.8	0.7	25.6	1.23	45.26
55.0-56.0	7.7	0.7	26.3	1.23	46.49
56.0-57.0	7.6	0.7	27.0	1.22	47.71
57.0-58.0	7.4	0.7	27.7	1.21	48.92
58.0-59.0	7.3	0.7	28.4	1.21	50.13
59.0-60.0	7.2	0.7	29.1	1.20	51.33
60.0-61.0	7.1	0.7	29.8	1.19	52.52
61.0-62.0	6.9	0.7	30.4	1.18	53.70
62.0-63.0	6.8	0.7	31.1	1.17	54.87
63.0-64.0	6.7	0.7	31.7	1.16	56.03
64.0-65.0	6.6	0.6	32.4	1.14	57.17
65.0-66.0	6.4	0.6	33.0	1.13	58.30
66.0-67.0	6.3	0.6	33.7	1.12	59.42
67.0-68.0	6.2	0.6	34.3	1.10	60.53
68.0-69.0	6.0	0.6	34.9	1.09	61.61
69.0-70.0	5.9	0.6	35.5	1.07	62.68
70.0-71.0	5.8	0.6	36.1	1.06	63.74
71.0-72.0	5.6	0.6	36.7	1.04	64.78

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	5.5	0.6	37.3	1.02	65.79
73.0-74.0	5.4	0.6	37.8	1.00	66.79
74.0-75.0	5.3	0.6	38.4	0.98	67.77
75.0-76.0	5.1	0.5	38.9	0.96	68.74
76.0-77.0	5.0	0.5	39.5	0.94	69.68
77.0-78.0	4.9	0.5	40.0	0.92	70.60
78.0-79.0	4.8	0.5	40.5	0.90	71.51
79.0-80.0	4.7	0.5	41.0	0.88	72.39
80.0-81.0	4.5	0.5	41.5	0.87	73.26
81.0-82.0	4.4	0.5	42.0	0.84	74.10
82.0-83.0	4.3	0.5	42.5	0.83	74.93
83.0-84.0	4.2	0.5	42.9	0.81	75.74
84.0-85.0	4.1	0.4	43.4	0.79	76.52
85.0-86.0	4.0	0.4	43.8	0.77	77.29
86.0-87.0	3.9	0.4	44.2	0.75	78.04
87.0-88.0	3.8	0.4	44.6	0.73	78.77
88.0-89.0	3.7	0.4	45.0	0.71	79.49
89.0-90.0	3.6	0.4	45.4	0.70	80.18
90.0-91.0	3.5	0.4	45.8	0.68	80.87
91.0-92.0	3.4	0.4	46.2	0.67	81.53
92.0-93.0	3.4	0.4	46.6	0.65	82.18
93.0-94.0	3.3	0.4	46.9	0.63	82.82
94.0-95.0	3.2	0.4	47.3	0.62	83.43
95.0-96.0	3.1	0.3	47.6	0.60	84.04
96.0-97.0	3.1	0.3	48.0	0.59	84.63
97.0-98.0	3.0	0.3	48.3	0.57	85.20
98.0-99.0	2.9	0.3	48.6	0.56	85.76
99.0-100.0	2.9	0.3	48.9	0.55	86.31
100.0-101.0	2.8	0.3	49.2	0.53	86.84
101.0-102.0	2.7	0.3	49.5	0.52	87.36
102.0-103.0	2.7	0.3	49.8	0.50	87.87
103.0-104.0	2.6	0.3	50.1	0.49	88.36
104.0-105.0	2.5	0.3	50.3	0.48	88.84
105.0-106.0	2.5	0.3	50.6	0.46	89.30
106.0-107.0	2.4	0.3	50.9	0.45	89.75
107.0-108.0	2.4	0.2	51.1	0.44	90.19

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	2.3	0.2	51.3	0.42	90.61
109.0-110.0	2.2	0.2	51.6	0.40	91.01
110.0-111.0	2.2	0.2	51.8	0.39	91.40
111.0-112.0	2.1	0.2	52.0	0.38	91.79
112.0-113.0	2.1	0.2	52.2	0.37	92.16
113.0-114.0	2.0	0.2	52.4	0.36	92.52
114.0-115.0	2.0	0.2	52.6	0.35	92.87
115.0-116.0	1.9	0.2	52.8	0.34	93.21
116.0-117.0	1.9	0.2	53.0	0.33	93.54
117.0-118.0	1.8	0.2	53.2	0.32	93.85
118.0-119.0	1.8	0.2	53.4	0.31	94.16
119.0-120.0	1.8	0.2	53.5	0.29	94.46
120.0-121.0	1.7	0.2	53.7	0.28	94.74
121.0-122.0	1.7	0.2	53.8	0.27	95.01
122.0-123.0	1.6	0.1	54.0	0.26	95.27
123.0-124.0	1.5	0.1	54.1	0.25	95.52
124.0-125.0	1.5	0.1	54.3	0.24	95.76
125.0-126.0	1.5	0.1	54.4	0.23	95.99
126.0-127.0	1.4	0.1	54.5	0.22	96.21
127.0-128.0	1.4	0.1	54.6	0.21	96.42
128.0-129.0	1.3	0.1	54.7	0.20	96.63
129.0-130.0	1.3	0.1	54.9	0.19	96.82
130.0-131.0	1.3	0.1	55.0	0.19	97.01
131.0-132.0	1.2	0.1	55.1	0.18	97.18
132.0-133.0	1.2	0.1	55.2	0.17	97.35
133.0-134.0	1.2	0.1	55.3	0.16	97.52
134.0-135.0	1.1	0.1	55.3	0.16	97.68
135.0-136.0	1.1	0.1	55.4	0.15	97.82
136.0-137.0	1.1	0.1	55.5	0.14	97.97
137.0-138.0	1.0	0.1	55.6	0.14	98.10
138.0-139.0	1.0	0.1	55.7	0.13	98.23
139.0-140.0	1.0	0.1	55.7	0.12	98.36
140.0-141.0	0.9	0.1	55.8	0.12	98.47
141.0-142.0	0.9	0.1	55.9	0.11	98.58
142.0-143.0	0.9	0.1	55.9	0.10	98.68
143.0-144.0	0.8	0.1	56.0	0.10	98.78

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.8	0.1	56.0	0.09	98.87
145.0-146.0	0.8	0.0	56.1	0.09	98.96
146.0-147.0	0.7	0.0	56.1	0.08	99.04
147.0-148.0	0.7	0.0	56.2	0.08	99.11
148.0-149.0	0.7	0.0	56.2	0.07	99.18
149.0-150.0	0.7	0.0	56.2	0.07	99.25
150.0-151.0	0.7	0.0	56.3	0.06	99.31
151.0-152.0	0.6	0.0	56.3	0.06	99.37
152.0-153.0	0.6	0.0	56.3	0.06	99.43
153.0-154.0	0.6	0.0	56.4	0.05	99.48
154.0-155.0	0.6	0.0	56.4	0.05	99.53
155.0-156.0	0.6	0.0	56.4	0.05	99.58
156.0-157.0	0.6	0.0	56.4	0.04	99.62
157.0-158.0	0.5	0.0	56.5	0.04	99.66
158.0-159.0	0.5	0.0	56.5	0.04	99.70
159.0-160.0	0.5	0.0	56.5	0.03	99.73
160.0-161.0	0.5	0.0	56.5	0.03	99.76
161.0-162.0	0.5	0.0	56.5	0.03	99.79
162.0-163.0	0.5	0.0	56.6	0.03	99.82
163.0-164.0	0.4	0.0	56.6	0.02	99.84
164.0-165.0	0.4	0.0	56.6	0.02	99.86
165.0-166.0	0.4	0.0	56.6	0.02	99.88
166.0-167.0	0.4	0.0	56.6	0.02	99.90
167.0-168.0	0.4	0.0	56.6	0.02	99.92
168.0-169.0	0.4	0.0	56.6	0.01	99.93
169.0-170.0	0.4	0.0	56.6	0.01	99.95
170.0-171.0	0.3	0.0	56.6	0.01	99.96
171.0-172.0	0.3	0.0	56.6	0.01	99.97
172.0-173.0	0.3	0.0	56.6	0.01	99.97
173.0-174.0	0.3	0.0	56.7	0.01	99.98
174.0-175.0	0.3	0.0	56.7	0.01	99.99
175.0-176.0	0.3	0.0	56.7	0.00	99.99
176.0-177.0	0.3	0.0	56.7	0.00	100.00
177.0-178.0	0.3	0.0	56.7	0.00	100.00
178.0-179.0	0.3	0.0	56.7	0.00	100.00
179.0-180.0	0.3	0.0	56.7	0.00	100.00

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

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