

Report No.: 20230628

Test Time: 2023/6/29 15:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Pixel Bar

Luminaire Description: Pixel Bar 1200 mm Round Milky white

Lamp Catalog: RGBW30

Luminous Width (mm): 40

Voltage: 219.5 V

Power: 17.64 W

Luminous Length (mm): 1200

Luminous Height (mm): 30

Current: 0.086 A

Power Factor: 0.936

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 610.6 lm

Downward Ratio: 81%

Horizontal Diffuse Angle(10%,50%): H159.5,H111.5

Vertical Diffuse Angle(10%,50%): V292.7,V183.6

Luminaire Efficacy Rating (LER): 35

Max. Intensity: 124.6 cd

Total Rated Lamp Lumens: 610.6 lm

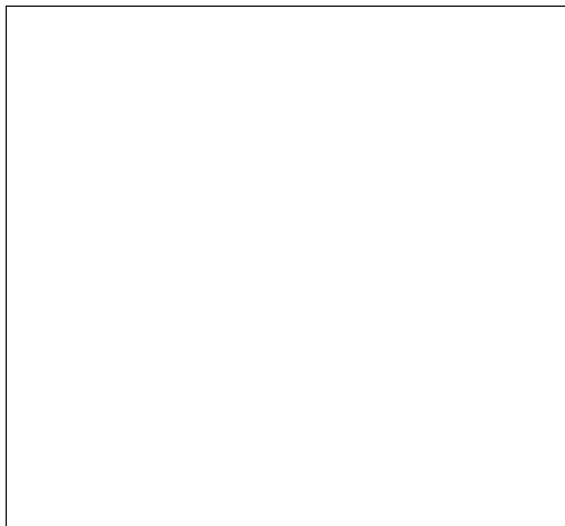
Efficiency: 100%

Upward Ratio: 19%

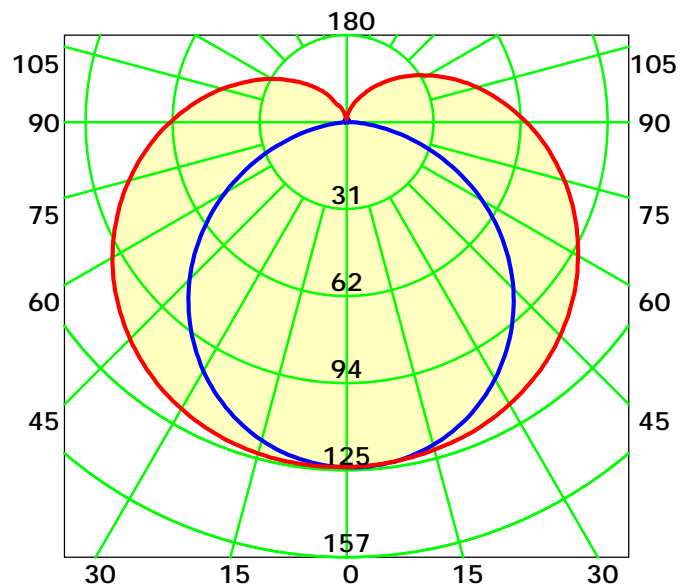
Central Intensity: 124.48 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 147.5° 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

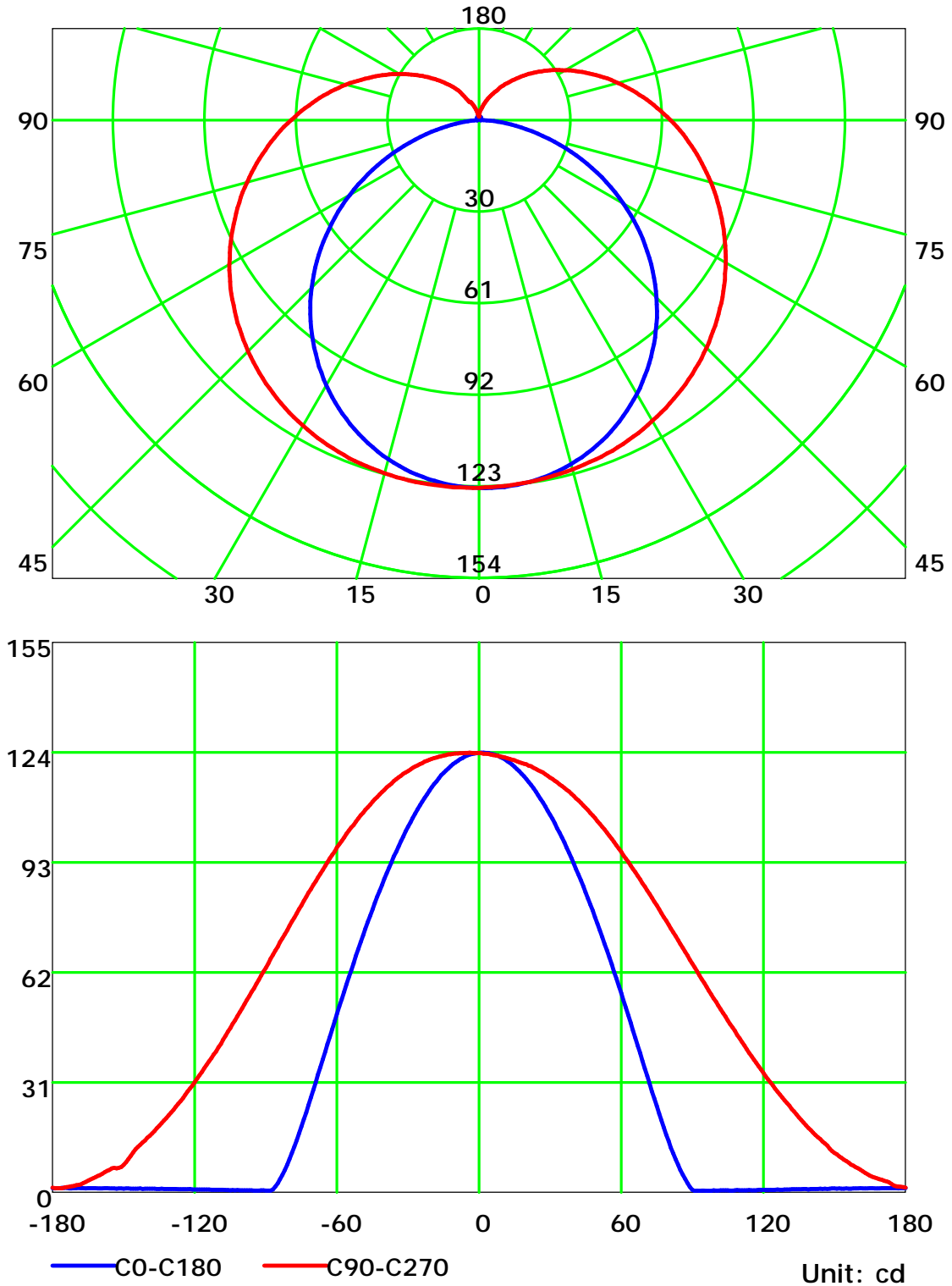
Distance: 9.028 m

Humidity: 60%

Inspector:



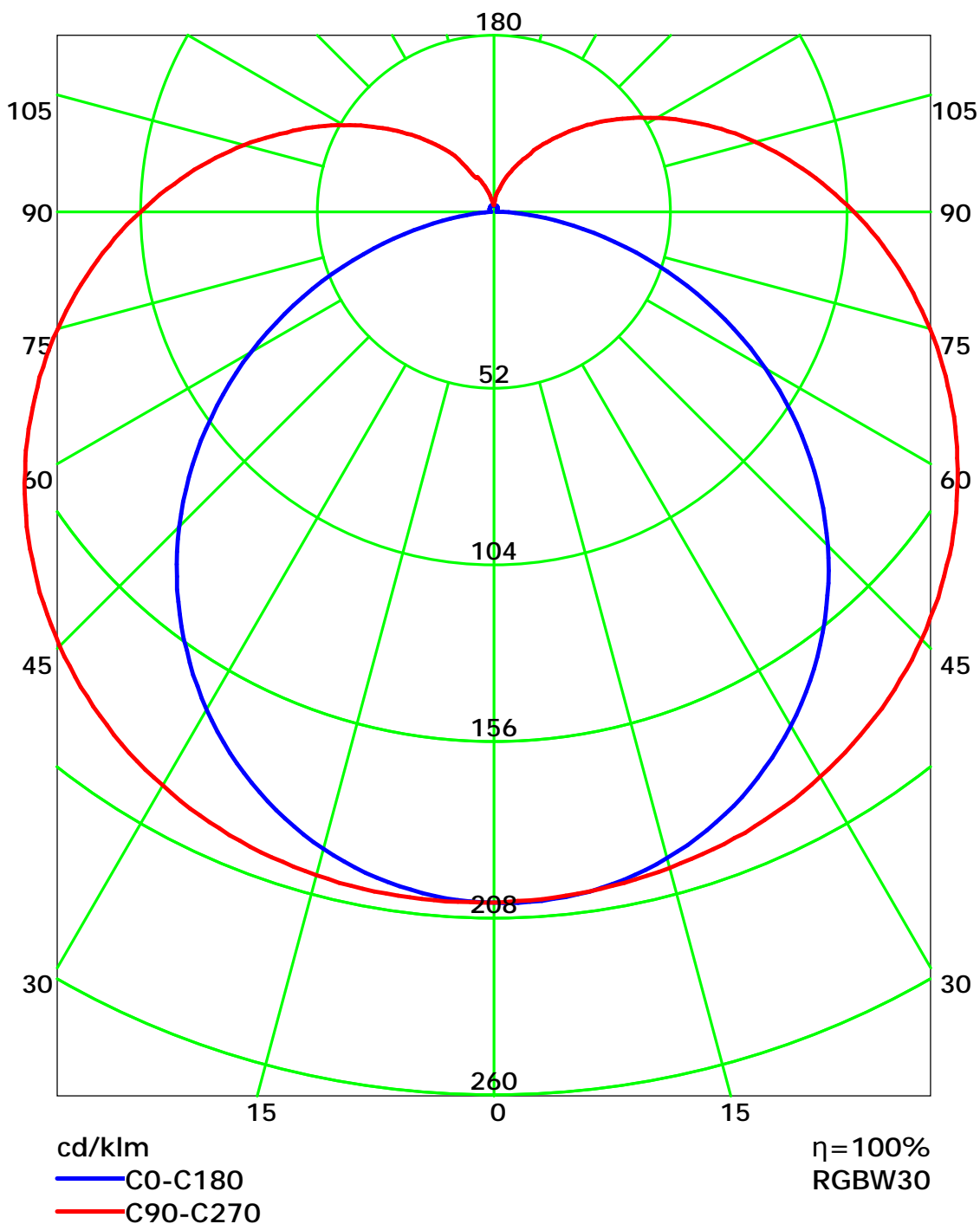
Luminous Intensity Distribution Curve



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:

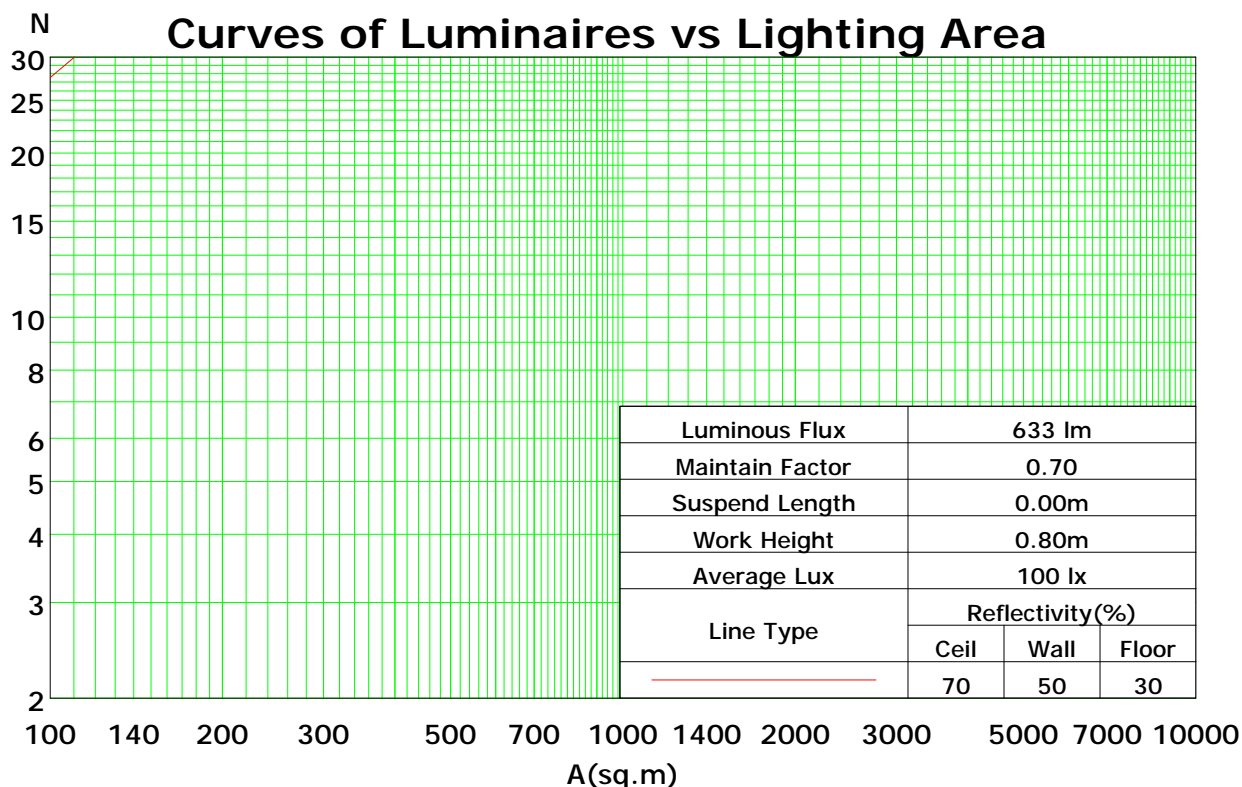
Coefficients Of Utilization - Zonal Cavity Method

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	115	115	115	115	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	101	95	90	85	96	91	86	82	83	79	76	76	73	70	69	67	64	61
2	91	81	73	67	86	78	70	64	71	65	60	65	60	56	59	55	52	48
3	82	70	61	54	78	67	59	52	61	55	49	56	50	46	51	46	42	39
4	75	62	52	45	71	59	50	43	54	47	41	49	43	38	45	40	36	33
5	68	55	45	38	65	52	43	37	48	40	35	44	38	33	40	35	31	28
6	63	49	39	33	60	47	38	32	43	36	30	40	33	28	36	31	27	24
7	58	44	35	28	55	42	34	28	39	32	26	36	30	25	33	28	23	21
8	54	40	31	25	51	38	30	24	36	28	23	33	27	22	30	25	21	19
9	50	36	28	22	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	25	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.43

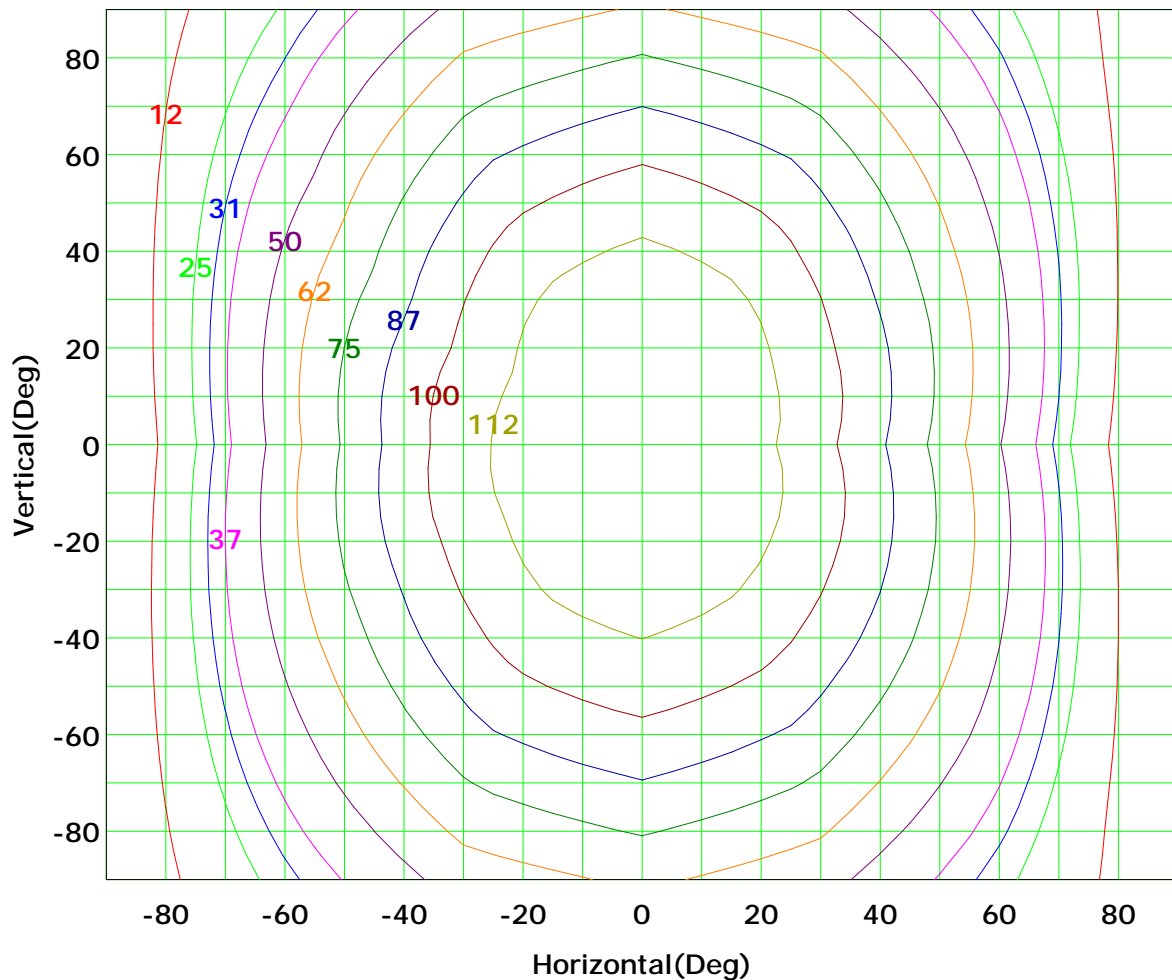
Spacing Criteria (Diagonal): 1.49



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)



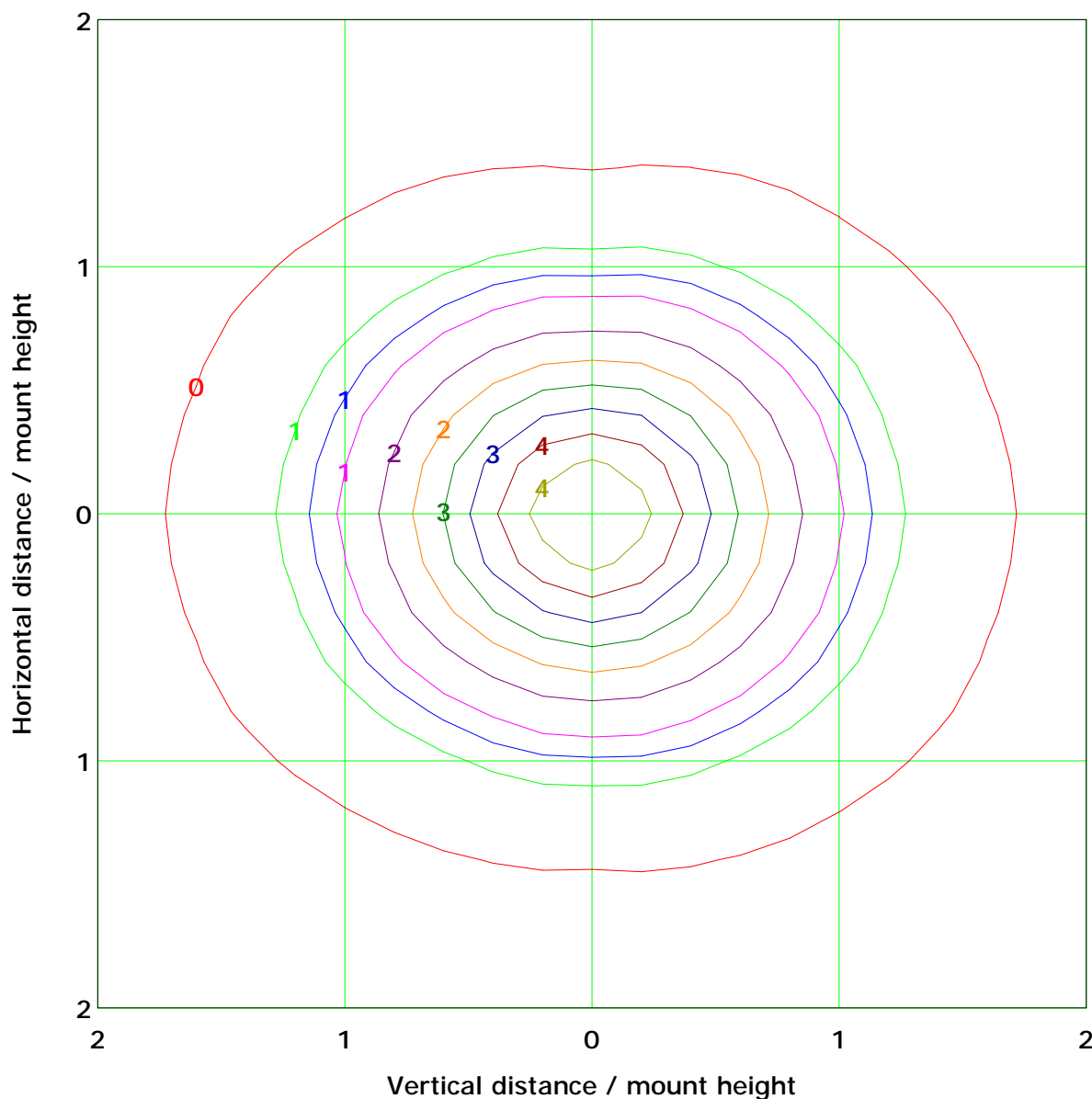
I_{max} (100%): 125 cd

(10%):	12 cd	(20%):	25 cd
(25%):	31 cd	(30%):	37 cd
(40%):	50 cd	(50%):	62 cd
(60%):	75 cd	(70%):	87 cd
(80%):	100 cd	(90%):	112 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%): 5.0 lx

(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.2 lx	(30%): 1.5 lx
(40%): 2.0 lx	(50%): 2.5 lx
(60%): 3.0 lx	(70%): 3.5 lx
(80%): 4.0 lx	(90%): 4.5 lx

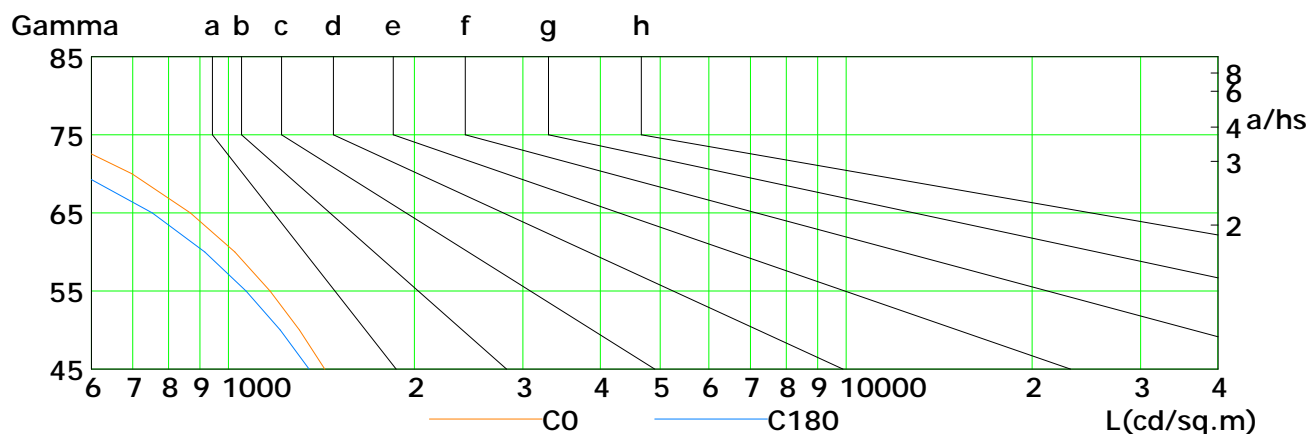
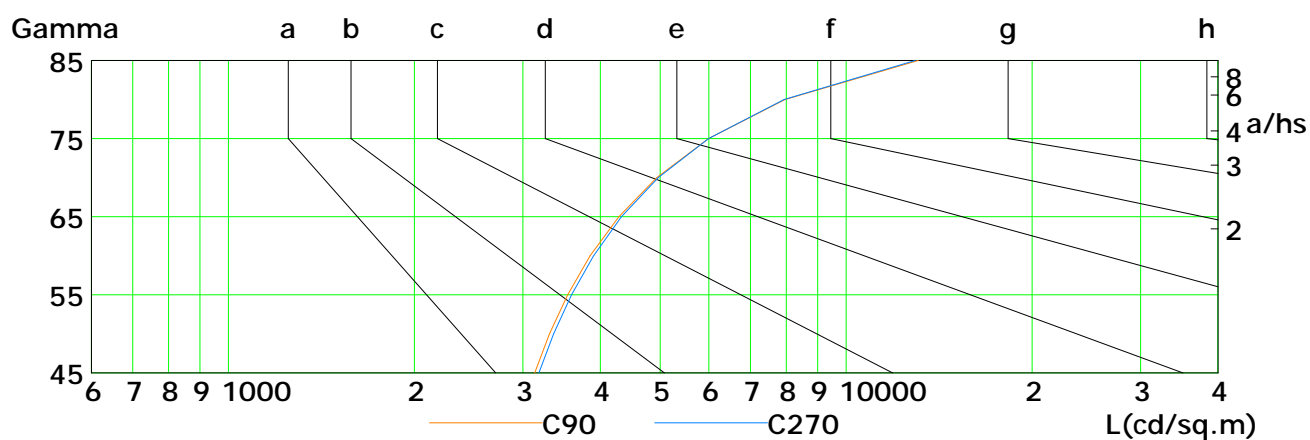
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

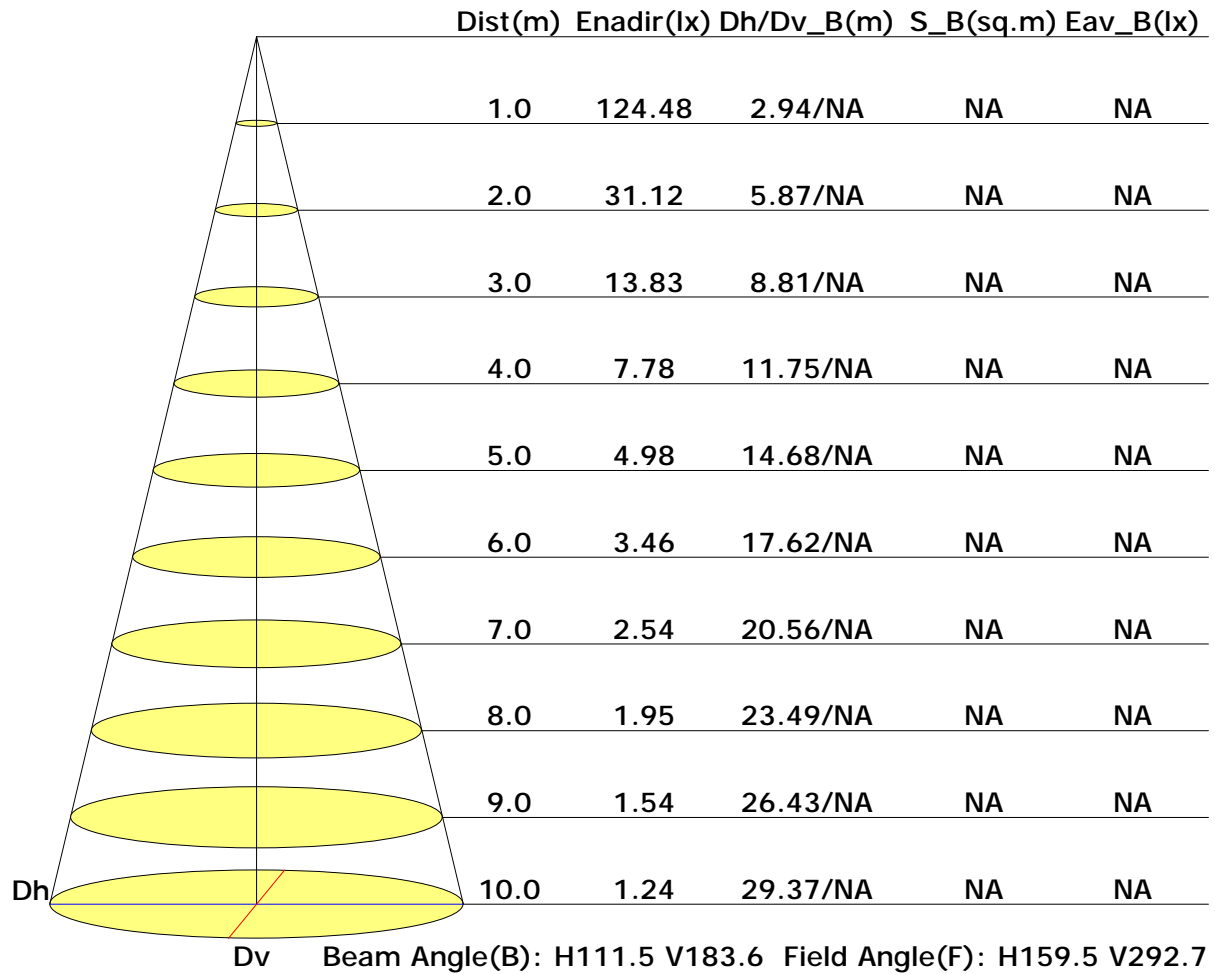


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1432	1303	1168	1024	868	699	520	333	160
C90	3132	3309	3543	3854	4289	4939	5988	7969	13088
C180	1351	1214	1069	915	753	577	396	216	67
C270	3181	3362	3593	3901	4329	4967	5987	7940	12939

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

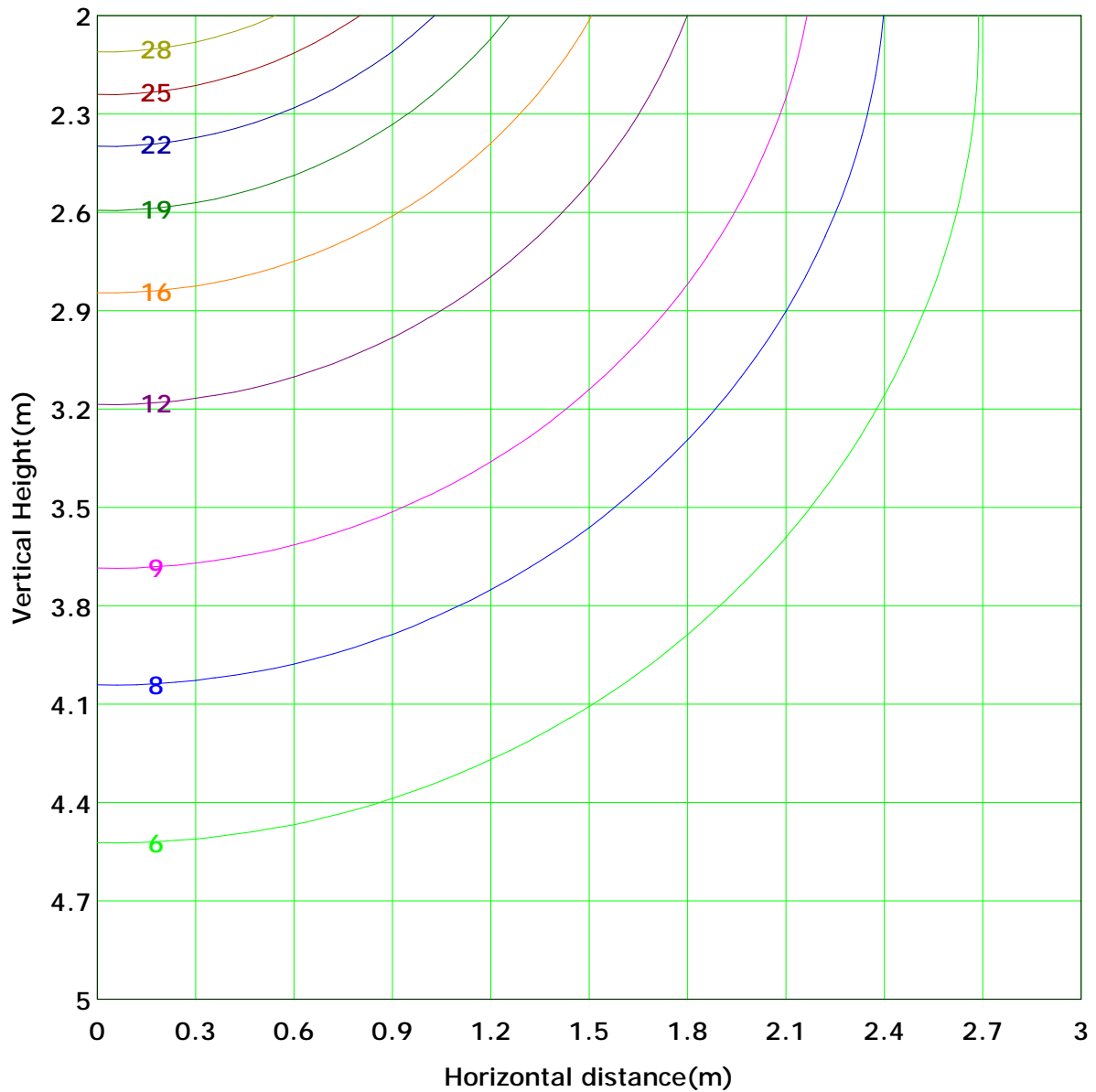
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 31.1 lx
(10%): 3.1 lx	(20%): 6.2 lx	
(25%): 7.8 lx	(30%): 9.3 lx	
(40%): 12.4 lx	(50%): 15.6 lx	
(60%): 18.7 lx	(70%): 21.8 lx	
(80%): 24.9 lx	(90%): 28.0 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:

Area Flux Table

Unit: lm

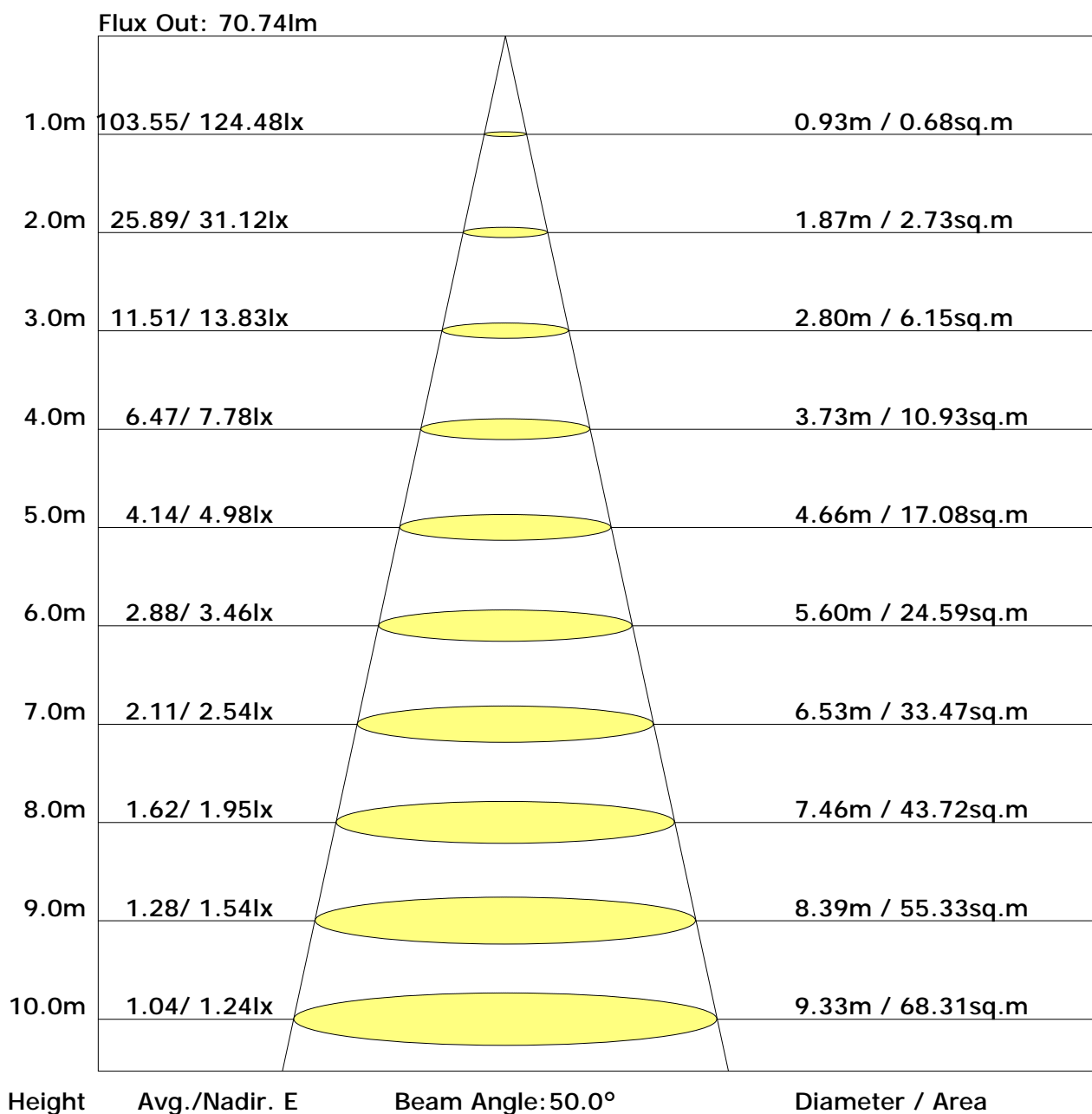
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.1	0.3	0.6	1.0	1.3	1.7	1.9	2.1	2.1	1.9	1.7	1.3	0.9	0.6	0.3	0.1	0.0	0.0	17.9	17.8
		0.0	0.1	0.4	0.7	1.1	1.6	2.0	2.2	2.4	2.4	2.2	2.0	1.6	1.1	0.7	0.4	0.1	0.0	0.0	21.0	20.9
		0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.8	1.3	0.8	0.4	0.2	0.0	0.0	24.0	23.9
		0.0	0.2	0.5	0.9	1.4	2.0	2.5	2.8	3.0	3.0	2.8	2.5	2.0	1.4	0.9	0.5	0.2	0.0	0.0	26.6	26.6
		0.0	0.2	0.5	1.0	1.6	2.1	2.7	3.1	3.3	3.3	3.1	2.7	2.1	1.5	1.0	0.5	0.2	0.0	0.0	28.9	28.9
		0.0	0.2	0.5	1.1	1.7	2.3	2.8	3.3	3.5	3.5	3.3	2.8	2.3	1.6	1.1	0.6	0.2	0.0	0.0	30.7	30.7
		0.0	0.2	0.6	1.1	1.7	2.4	3.0	3.4	3.6	3.6	3.4	2.9	2.4	1.7	1.1	0.6	0.2	0.0	0.0	32.0	32.0
		0.0	0.2	0.6	1.1	1.8	2.4	3.0	3.5	3.7	3.7	3.5	3.0	2.4	1.8	1.2	0.6	0.2	0.0	0.0	32.7	32.7
		0.0	0.2	0.5	1.1	1.8	2.4	3.0	3.5	3.7	3.7	3.5	3.1	2.5	1.8	1.2	0.6	0.2	0.0	0.0	33.0	32.9
		0.0	0.2	0.5	1.1	1.8	2.4	3.0	3.5	3.7	3.7	3.5	3.1	2.5	1.8	1.2	0.6	0.2	0.0	0.0	33.1	33.0
		0.0	0.2	0.5	1.1	1.8	2.4	3.0	3.5	3.7	3.7	3.5	3.1	2.5	1.8	1.2	0.6	0.2	0.0	0.0	32.9	32.9
		0.0	0.2	0.6	1.1	1.8	2.4	3.0	3.4	3.6	3.6	3.4	3.0	2.4	1.8	1.2	0.6	0.2	0.0	0.0	32.1	32.1
		0.0	0.2	0.5	1.1	1.7	2.3	2.8	3.2	3.4	3.4	3.2	2.8	2.3	1.7	1.1	0.6	0.2	0.0	0.0	30.8	30.8
		0.0	0.2	0.5	1.0	1.6	2.2	2.7	3.0	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.6	0.2	0.0	0.0	29.0	29.0
		0.0	0.2	0.5	0.9	1.4	2.0	2.5	2.8	3.0	3.0	2.8	2.5	2.0	1.5	0.9	0.5	0.2	0.0	0.0	26.7	26.7
		0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.3	1.8	1.3	0.8	0.5	0.2	0.0	0.0	24.1	24.1
		0.0	0.1	0.4	0.7	1.1	1.6	2.0	2.2	2.4	2.4	2.2	2.0	1.6	1.2	0.7	0.4	0.2	0.0	0.0	21.3	21.2
		0.0	0.1	0.3	0.6	1.0	1.4	1.7	1.9	2.1	2.1	1.9	1.7	1.4	1.0	0.6	0.3	0.1	0.0	0.0	18.3	18.2
		0.3	2.9	8.6	16.9	26.6	36.7	45.8	52.3	56.1	56.1	52.4	46.0	37.0	27.0	17.4	9.2	3.3	0.5	495		494
		0.0	2.8	8.6	16.9	26.6	36.7	45.8	52.3	56.1	56.1	52.4	46.0	37.0	27.0	17.4	9.2	3.3	0.2			

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	14.0	15.4	14.6	16.0	16.8	14.8	16.2	15.4	16.8	17.6
3H	15.9	17.2	16.5	17.8	18.6	17.3	18.6	17.9	19.2	20.0
4H	16.6	17.8	17.3	18.5	19.3	18.5	19.7	19.1	20.4	21.1
6H	17.2	18.3	17.8	19.0	19.8	19.7	20.8	20.3	21.5	22.3
8H	17.4	18.4	18.0	19.1	19.9	20.2	21.3	20.9	22.0	22.8
12H	17.5	18.5	18.2	19.2	20.0	20.7	21.8	21.4	22.5	23.3
X=4H Y=2H	14.8	16.0	15.5	16.7	17.4	15.4	16.6	16.1	17.3	18.1
3H	16.9	18.0	17.6	18.7	19.5	18.2	19.2	18.9	20.0	20.8
4H	17.8	18.8	18.5	19.5	20.3	19.6	20.5	20.3	21.2	22.1
6H	18.6	19.4	19.3	20.2	21.0	20.9	21.8	21.6	22.5	23.3
8H	18.8	19.6	19.5	20.4	21.2	21.6	22.4	22.3	23.1	24.0
12H	19.0	19.8	19.7	20.5	21.4	22.2	22.9	22.9	23.7	24.6
X=8H Y=4H	18.5	19.3	19.2	20.0	20.9	20.0	20.8	20.7	21.5	22.3
6H	19.4	20.1	20.2	20.9	21.8	21.5	22.2	22.3	23.0	23.8
8H	19.9	20.5	20.6	21.3	22.1	22.3	23.0	23.1	23.7	24.6
12H	20.2	20.8	21.0	21.5	22.4	23.2	23.7	23.9	24.5	25.4
X=12H Y=4H	18.7	19.4	19.4	20.2	21.0	20.0	20.7	20.7	21.5	22.3
6H	19.7	20.4	20.5	21.1	22.0	21.7	22.3	22.4	23.0	23.9
8H	20.3	20.8	21.0	21.6	22.5	22.5	23.1	23.3	23.9	24.8

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	0.48	0.55	0.60	0.68	0.74	0.78	0.84	0.88	
	0.20		0.34	0.41	0.49	0.54	0.62	0.68	0.73	0.79	0.84	
0.50	0.50	0.20	0.45	0.52	0.58	0.63	0.69	0.74	0.77	0.81	0.85	
	0.30		0.38	0.45	0.51	0.56	0.63	0.68	0.72	0.77	0.81	
	0.20		0.33	0.40	0.46	0.51	0.58	0.64	0.68	0.73	0.77	
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.64	0.68	0.71	0.75	0.77	
	0.30		0.36	0.42	0.48	0.52	0.59	0.63	0.67	0.71	0.74	
	0.20		0.31	0.37	0.43	0.48	0.54	0.59	0.63	0.68	0.72	
0.00	0.00	0.00	0.27	0.32	0.38	0.42	0.48	0.52	0.55	0.60	0.63	
Rating: 18W 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	0.89	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	0.95	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	0.37	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	0.76	0.66	0.59	0.48	0.41	0.36	0.29	0.25	
	0.30		0.75	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.24	
	0.20		0.66	0.60	0.53	0.49	0.42	0.36	0.32	0.27	0.23	
0.00	0.00	0.00	0.54	0.49	0.43	0.39	0.33	0.29	0.26	0.21	0.18	
Rating: 18W 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	0.35	0.36	0.37	0.38	0.39	0.39	0.40	0.40	0.40
	0.30		0.28	0.29	0.31	0.32	0.33	0.34	0.35	0.36	0.37
	0.20		0.23	0.24	0.25	0.27	0.28	0.30	0.31	0.33	0.34
0.50	0.50	0.20	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.38
	0.30		0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.35
	0.20		0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.32	0.33
0.30	0.50	0.20	0.33	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34
	0.20		0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.32
0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Rating: 18W 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	124.4	0.1	0.1	0.02	0.02
1.0-2.0	124.4	0.4	0.5	0.06	0.08
2.0-3.0	124.3	0.6	1.1	0.10	0.18
3.0-4.0	124.2	0.8	1.9	0.14	0.31
4.0-5.0	124.2	1.1	3.0	0.17	0.49
5.0-6.0	124.0	1.3	4.3	0.21	0.70
6.0-7.0	123.8	1.5	5.8	0.25	0.95
7.0-8.0	123.7	1.8	7.6	0.29	1.24
8.0-9.0	123.4	2.0	9.6	0.33	1.57
9.0-10.0	123.2	2.2	11.8	0.37	1.93
10.0-11.0	122.9	2.5	14.3	0.40	2.34
11.0-12.0	122.6	2.7	16.9	0.44	2.78
12.0-13.0	122.3	2.9	19.9	0.48	3.25
13.0-14.0	121.9	3.1	23.0	0.51	3.76
14.0-15.0	121.5	3.3	26.3	0.55	4.31
15.0-16.0	121.1	3.5	29.9	0.58	4.89
16.0-17.0	120.7	3.8	33.6	0.62	5.51
17.0-18.0	120.2	4.0	37.6	0.65	6.15
18.0-19.0	119.7	4.2	41.7	0.68	6.84
19.0-20.0	119.2	4.4	46.1	0.71	7.55
20.0-21.0	118.7	4.6	50.7	0.75	8.30
21.0-22.0	118.1	4.7	55.4	0.78	9.08
22.0-23.0	117.5	4.9	60.3	0.81	9.88
23.0-24.0	116.8	5.1	65.5	0.84	10.72
24.0-25.0	116.2	5.3	70.7	0.87	11.58
25.0-26.0	115.5	5.5	76.2	0.89	12.48
26.0-27.0	114.8	5.6	81.8	0.92	13.40
27.0-28.0	114.1	5.8	87.6	0.95	14.34
28.0-29.0	113.3	5.9	93.5	0.97	15.31
29.0-30.0	112.5	6.1	99.6	0.99	16.31
30.0-31.0	111.7	6.2	105.8	1.02	17.33
31.0-32.0	110.9	6.4	112.2	1.04	18.37
32.0-33.0	110.0	6.5	118.6	1.06	19.43
33.0-34.0	109.1	6.6	125.2	1.08	20.51
34.0-35.0	108.2	6.7	132.0	1.10	21.61
35.0-36.0	107.2	6.8	138.8	1.12	22.73

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	106.3	6.9	145.7	1.14	23.86
37.0-38.0	105.3	7.0	152.7	1.15	25.02
38.0-39.0	104.3	7.1	159.9	1.17	26.18
39.0-40.0	103.3	7.2	167.1	1.18	27.36
40.0-41.0	102.2	7.3	174.3	1.19	28.55
41.0-42.0	101.1	7.3	181.7	1.20	29.76
42.0-43.0	100.0	7.4	189.1	1.21	30.97
43.0-44.0	98.9	7.5	196.6	1.22	32.19
44.0-45.0	97.8	7.5	204.1	1.23	33.42
45.0-46.0	96.6	7.6	211.6	1.24	34.66
46.0-47.0	95.4	7.6	219.2	1.24	35.90
47.0-48.0	94.2	7.6	226.8	1.25	37.15
48.0-49.0	93.0	7.6	234.5	1.25	38.40
49.0-50.0	91.8	7.7	242.1	1.25	39.65
50.0-51.0	90.5	7.7	249.8	1.25	40.91
51.0-52.0	89.2	7.7	257.4	1.25	42.16
52.0-53.0	87.9	7.6	265.1	1.25	43.41
53.0-54.0	86.6	7.6	272.7	1.25	44.66
54.0-55.0	85.3	7.6	280.3	1.25	45.91
55.0-56.0	84.0	7.6	287.9	1.24	47.15
56.0-57.0	82.6	7.6	295.5	1.24	48.39
57.0-58.0	81.3	7.5	303.0	1.23	49.62
58.0-59.0	79.9	7.5	310.5	1.22	50.85
59.0-60.0	78.5	7.4	317.9	1.21	52.06
60.0-61.0	77.1	7.4	325.3	1.21	53.27
61.0-62.0	75.7	7.3	332.5	1.19	54.46
62.0-63.0	74.3	7.2	339.8	1.18	55.64
63.0-64.0	72.9	7.1	346.9	1.17	56.81
64.0-65.0	71.4	7.1	354.0	1.16	57.97
65.0-66.0	70.0	7.0	361.0	1.14	59.12
66.0-67.0	68.6	6.9	367.9	1.13	60.25
67.0-68.0	67.1	6.8	374.7	1.11	61.36
68.0-69.0	65.7	6.7	381.4	1.10	62.46
69.0-70.0	64.3	6.6	388.0	1.08	63.54
70.0-71.0	62.8	6.5	394.5	1.06	64.60
71.0-72.0	61.4	6.4	400.9	1.05	65.65

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	60.0	6.3	407.1	1.03	66.67
73.0-74.0	58.6	6.2	413.3	1.01	67.68
74.0-75.0	57.1	6.0	419.3	0.99	68.67
75.0-76.0	55.7	5.9	425.2	0.97	69.64
76.0-77.0	54.3	5.8	431.0	0.95	70.59
77.0-78.0	53.0	5.7	436.7	0.93	71.52
78.0-79.0	51.6	5.5	442.3	0.91	72.43
79.0-80.0	50.3	5.4	447.7	0.89	73.31
80.0-81.0	48.9	5.3	453.0	0.87	74.18
81.0-82.0	47.7	5.2	458.1	0.85	75.03
82.0-83.0	46.4	5.0	463.2	0.83	75.85
83.0-84.0	45.2	4.9	468.1	0.81	76.66
84.0-85.0	44.0	4.8	472.9	0.79	77.45
85.0-86.0	42.8	4.7	477.6	0.77	78.21
86.0-87.0	41.7	4.6	482.1	0.75	78.96
87.0-88.0	40.6	4.4	486.6	0.73	79.69
88.0-89.0	39.6	4.3	490.9	0.71	80.40
89.0-90.0	38.6	4.2	495.2	0.69	81.09
90.0-91.0	37.6	4.1	499.3	0.68	81.77
91.0-92.0	36.8	4.0	503.3	0.66	82.43
92.0-93.0	35.9	3.9	507.2	0.64	83.07
93.0-94.0	35.1	3.8	511.1	0.63	83.70
94.0-95.0	34.3	3.7	514.8	0.61	84.31
95.0-96.0	33.5	3.7	518.5	0.60	84.91
96.0-97.0	32.7	3.6	522.0	0.58	85.49
97.0-98.0	31.9	3.5	525.5	0.57	86.06
98.0-99.0	31.2	3.4	528.9	0.55	86.62
99.0-100.0	30.4	3.3	532.2	0.54	87.16
100.0-101.0	29.7	3.2	535.4	0.52	87.68
101.0-102.0	29.0	3.1	538.5	0.51	88.19
102.0-103.0	28.3	3.0	541.5	0.50	88.69
103.0-104.0	27.6	2.9	544.5	0.48	89.17
104.0-105.0	26.9	2.9	547.3	0.47	89.64
105.0-106.0	26.2	2.8	550.1	0.45	90.09
106.0-107.0	25.6	2.7	552.8	0.44	90.53
107.0-108.0	24.9	2.6	555.4	0.43	90.96

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	24.3	2.5	557.9	0.41	91.37
109.0-110.0	23.7	2.4	560.4	0.40	91.77
110.0-111.0	23.1	2.4	562.8	0.39	92.16
111.0-112.0	22.5	2.3	565.1	0.38	92.54
112.0-113.0	21.9	2.2	567.3	0.36	92.90
113.0-114.0	21.3	2.1	569.4	0.35	93.25
114.0-115.0	20.8	2.1	571.5	0.34	93.59
115.0-116.0	20.2	2.0	573.5	0.33	93.92
116.0-117.0	19.6	1.9	575.4	0.32	94.23
117.0-118.0	19.1	1.9	577.3	0.30	94.54
118.0-119.0	18.6	1.8	579.1	0.29	94.83
119.0-120.0	18.0	1.7	580.8	0.28	95.11
120.0-121.0	17.5	1.7	582.4	0.27	95.38
121.0-122.0	17.0	1.6	584.0	0.26	95.64
122.0-123.0	16.5	1.5	585.5	0.25	95.89
123.0-124.0	16.0	1.5	587.0	0.24	96.13
124.0-125.0	15.5	1.4	588.4	0.23	96.36
125.0-126.0	15.0	1.3	589.7	0.22	96.58
126.0-127.0	14.5	1.3	591.0	0.21	96.79
127.0-128.0	14.0	1.2	592.2	0.20	96.99
128.0-129.0	13.6	1.2	593.4	0.19	97.18
129.0-130.0	13.1	1.1	594.5	0.18	97.36
130.0-131.0	12.6	1.1	595.6	0.17	97.54
131.0-132.0	12.2	1.0	596.6	0.16	97.70
132.0-133.0	11.8	1.0	597.5	0.16	97.86
133.0-134.0	11.4	0.9	598.4	0.15	98.00
134.0-135.0	11.0	0.9	599.3	0.14	98.15
135.0-136.0	10.6	0.8	600.1	0.13	98.28
136.0-137.0	10.3	0.8	600.9	0.13	98.41
137.0-138.0	9.9	0.7	601.6	0.12	98.53
138.0-139.0	9.6	0.7	602.3	0.11	98.64
139.0-140.0	9.2	0.7	603.0	0.11	98.75
140.0-141.0	8.9	0.6	603.6	0.10	98.85
141.0-142.0	8.5	0.6	604.2	0.09	98.94
142.0-143.0	8.1	0.5	604.7	0.09	99.03
143.0-144.0	7.7	0.5	605.2	0.08	99.11

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	7.3	0.5	605.7	0.08	99.19
145.0-146.0	7.0	0.4	606.1	0.07	99.26
146.0-147.0	6.6	0.4	606.5	0.07	99.33
147.0-148.0	6.3	0.4	606.9	0.06	99.39
148.0-149.0	5.9	0.3	607.2	0.06	99.44
149.0-150.0	5.7	0.3	607.5	0.05	99.50
150.0-151.0	5.4	0.3	607.8	0.05	99.54
151.0-152.0	5.2	0.3	608.1	0.04	99.59
152.0-153.0	5.0	0.3	608.4	0.04	99.63
153.0-154.0	4.8	0.2	608.6	0.04	99.67
154.0-155.0	4.6	0.2	608.8	0.04	99.70
155.0-156.0	4.4	0.2	609.0	0.03	99.74
156.0-157.0	4.2	0.2	609.2	0.03	99.77
157.0-158.0	4.0	0.2	609.4	0.03	99.80
158.0-159.0	3.8	0.2	609.5	0.03	99.82
159.0-160.0	3.6	0.1	609.7	0.02	99.84
160.0-161.0	3.4	0.1	609.8	0.02	99.86
161.0-162.0	3.3	0.1	609.9	0.02	99.88
162.0-163.0	3.1	0.1	610.0	0.02	99.90
163.0-164.0	2.9	0.1	610.1	0.01	99.91
164.0-165.0	2.8	0.1	610.2	0.01	99.93
165.0-166.0	2.6	0.1	610.3	0.01	99.94
166.0-167.0	2.4	0.1	610.3	0.01	99.95
167.0-168.0	2.3	0.1	610.4	0.01	99.96
168.0-169.0	2.2	0.0	610.4	0.01	99.97
169.0-170.0	2.1	0.0	610.5	0.01	99.97
170.0-171.0	2.0	0.0	610.5	0.01	99.98
171.0-172.0	1.9	0.0	610.5	0.01	99.98
172.0-173.0	1.8	0.0	610.6	0.00	99.99
173.0-174.0	1.7	0.0	610.6	0.00	99.99
174.0-175.0	1.6	0.0	610.6	0.00	99.99
175.0-176.0	1.5	0.0	610.6	0.00	100.00
176.0-177.0	1.4	0.0	610.6	0.00	100.00
177.0-178.0	1.4	0.0	610.6	0.00	100.00
178.0-179.0	1.4	0.0	610.6	0.00	100.00
179.0-180.0	1.3	0.0	610.6	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: