GENLED Brands
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Fax:

Report No.: 20230810 **Test Time: 2023/8/10 10:41**

Luminaire Property

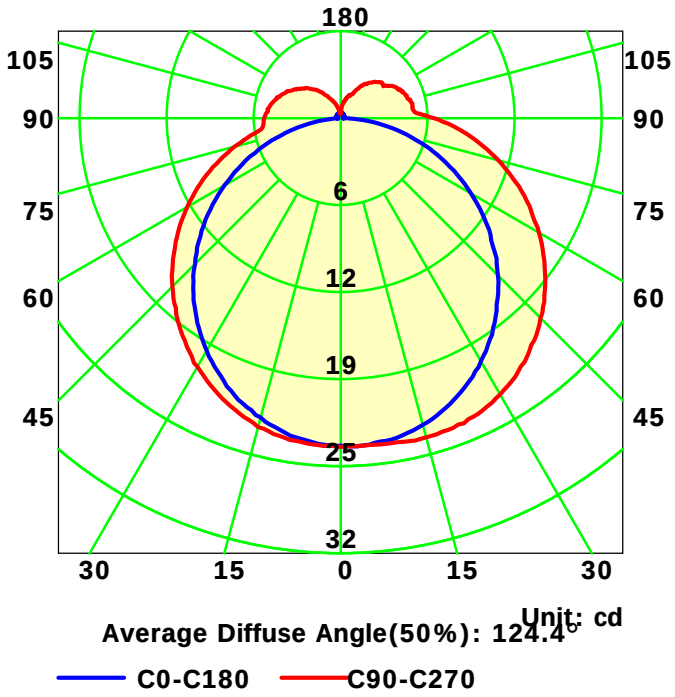
Luminaire Manufacturer:
Luminaire Category: Pixel Bar
Luminaire Description: Pixel Bar 900 mm Square Milky **Green**
Lamp Description: RGBW+3000k **Luminous Length (mm): 900**
Luminous Width (mm): 40 **Luminous Height (mm): 30**
Voltage: 219.4 V **Current: 0.053 A**
Power: 7.24 W **Power Factor: 0.627**

Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 99.6 lm**
Measurement Flux: 99.6 lm **Efficiency: 100%**
Downward Ratio: 84% **Upward Ratio: 16%**
Horizontal Diffuse Angle(10%,50%): H162.9,H111.4
Vertical Diffuse Angle(10%,50%): V293.4,V137.5
Luminaire Efficacy Rating (LER): 14 **Central Intensity: 24.23 cd**
Max. Intensity: 24.46 cd **Pos of Max. Intensity: H90 V13**

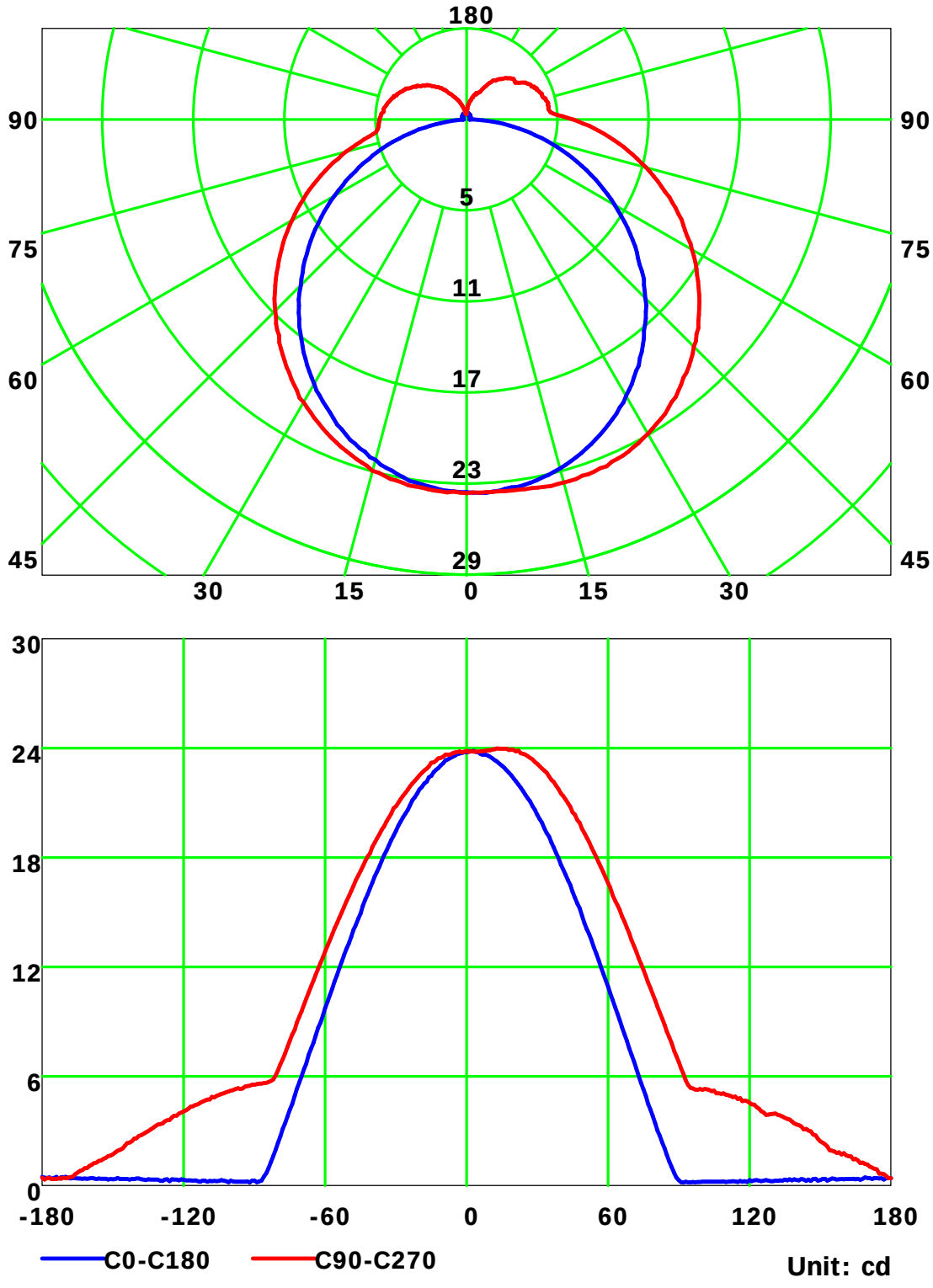
Picture Of Luminaire

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: Michael **Inspector:**

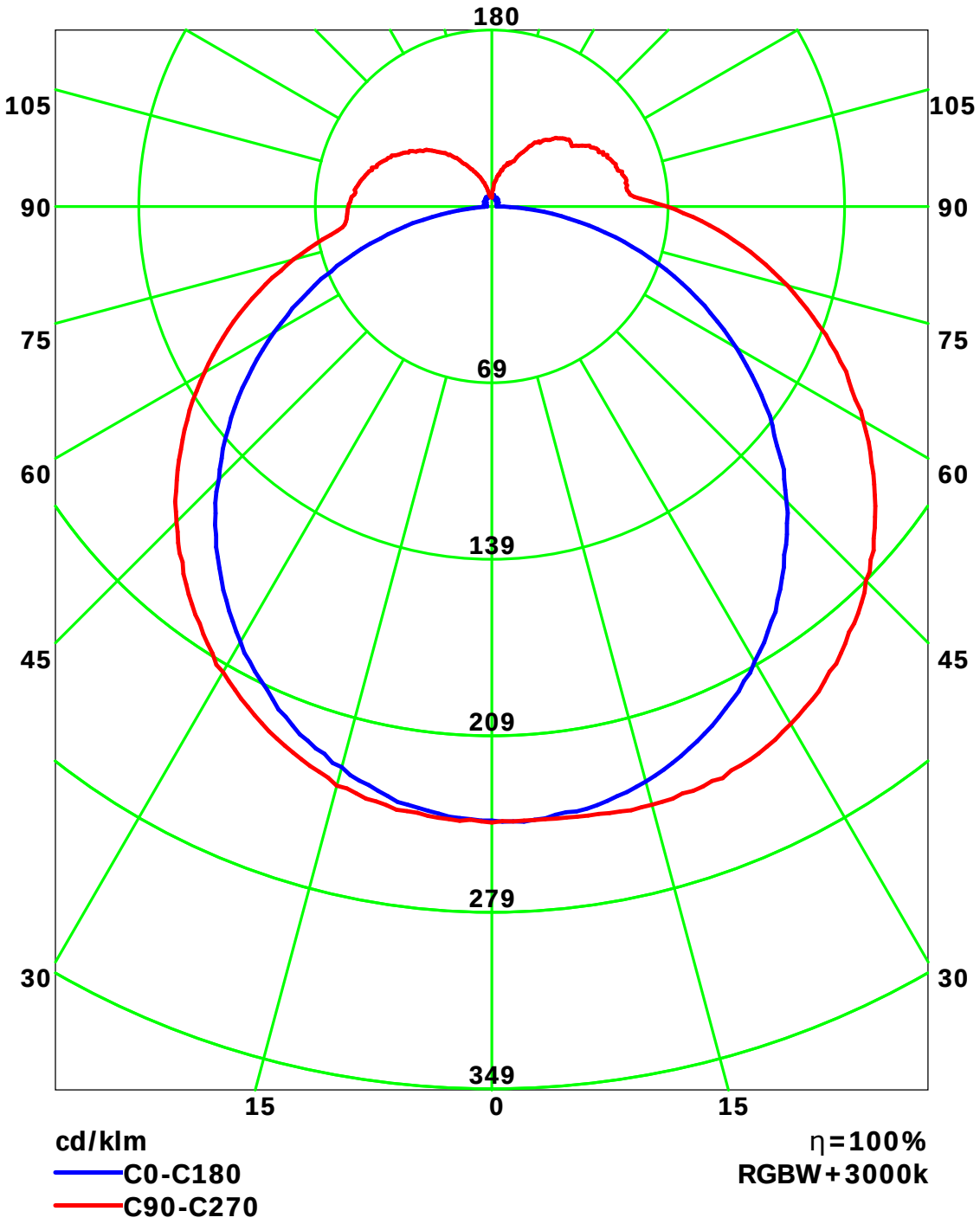
Luminous Intensity Distribution Curve



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

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: Michael

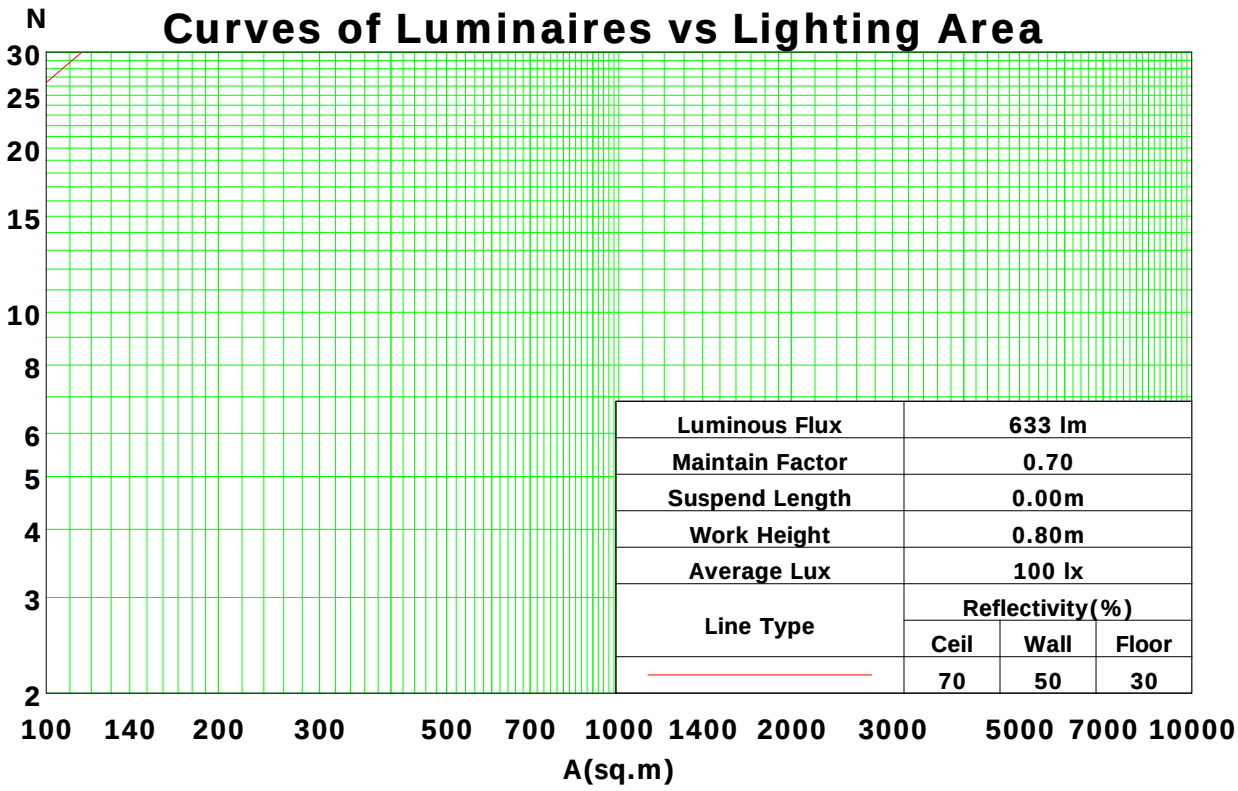
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	103	98	93	88	99	94	89	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	64	58	81	70	62	56	65	58	53	60	55	50	56	51	47	44
4	77	64	55	48	73	62	54	47	57	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	35	62	49	41	35	46	39	33	43	37	32	40	34	30	28
7	60	46	37	31	57	45	36	30	42	34	29	39	33	28	36	31	27	24
8	56	42	33	27	53	41	33	27	38	31	26	36	29	25	33	28	24	22
9	52	38	30	25	50	37	29	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): 1.25
Spacing Criteria (90-270): 1.37
Spacing Criteria (Diagonal): 1.45

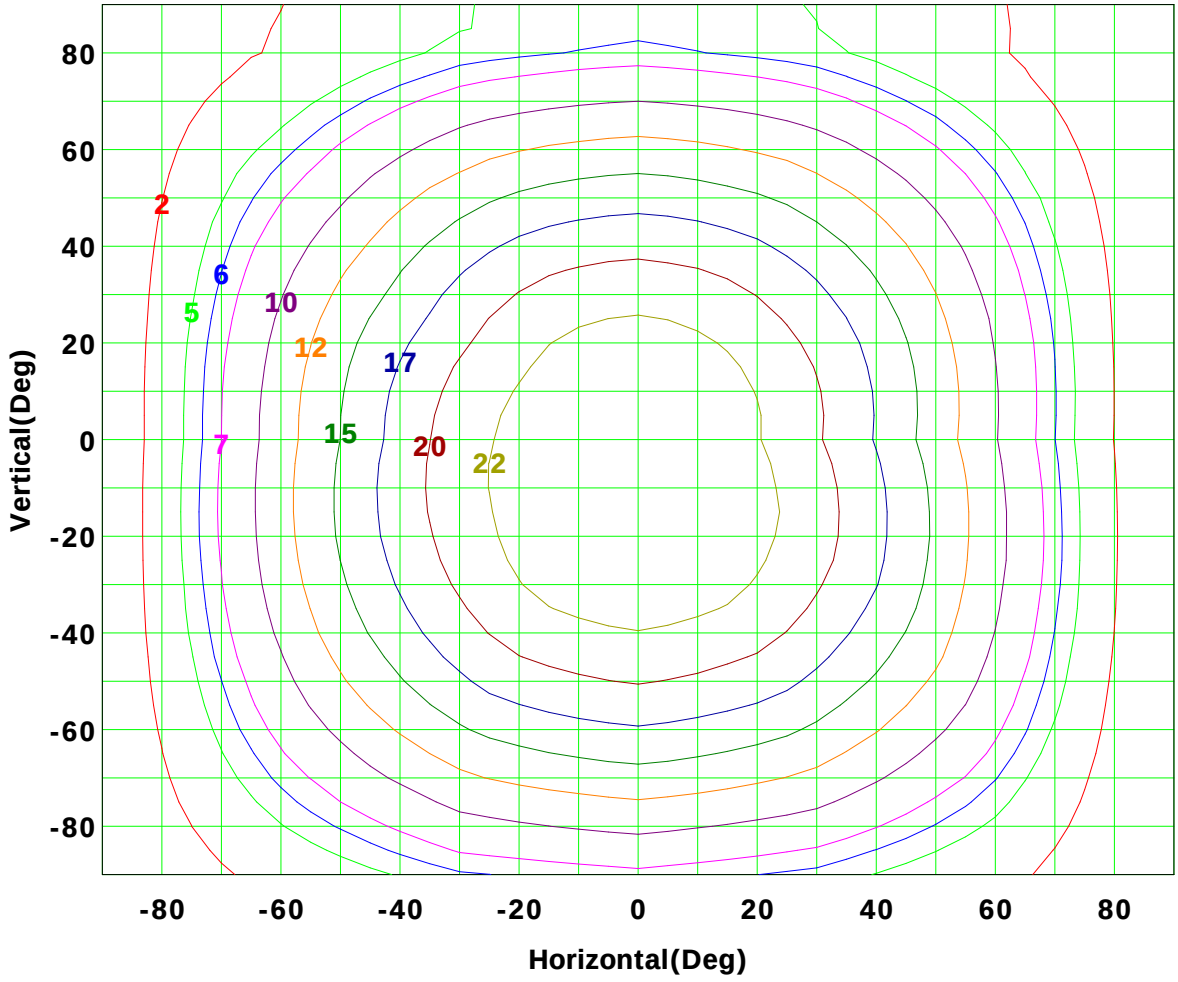
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



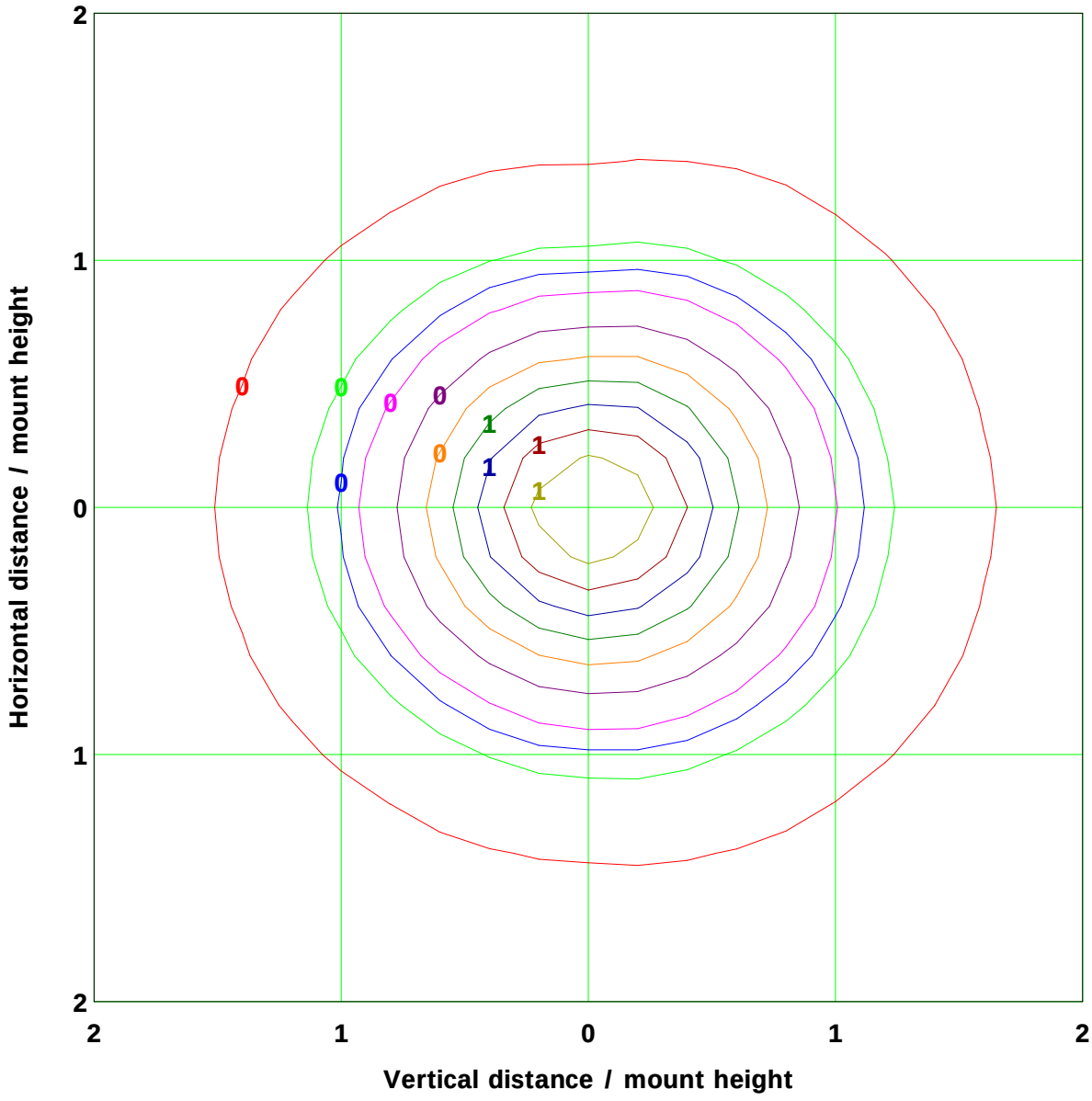
Imax (100%): 24 cd

(10%):	2 cd	(20%):	5 cd
(25%):	6 cd	(30%):	7 cd
(40%):	10 cd	(50%):	12 cd
(60%):	15 cd	(70%):	17 cd
(80%):	20 cd	(90%):	22 cd

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

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%): 1.0 lx

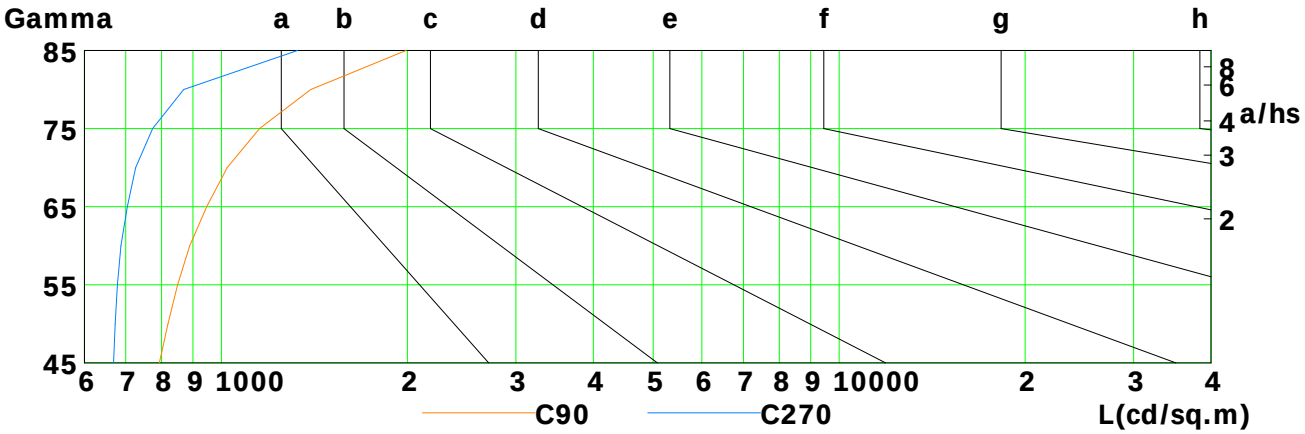
(10%): 0.1 lx	(20%): 0.2 lx
(25%): 0.2 lx	(30%): 0.3 lx
(40%): 0.4 lx	(50%): 0.5 lx
(60%): 0.6 lx	(70%): 0.7 lx
(80%): 0.8 lx	(90%): 0.9 lx

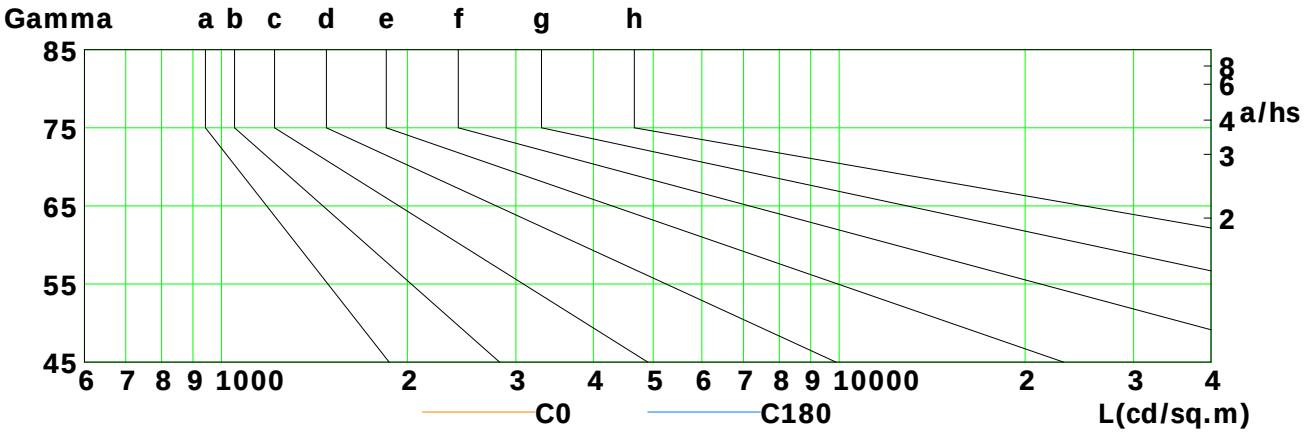
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Michael

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



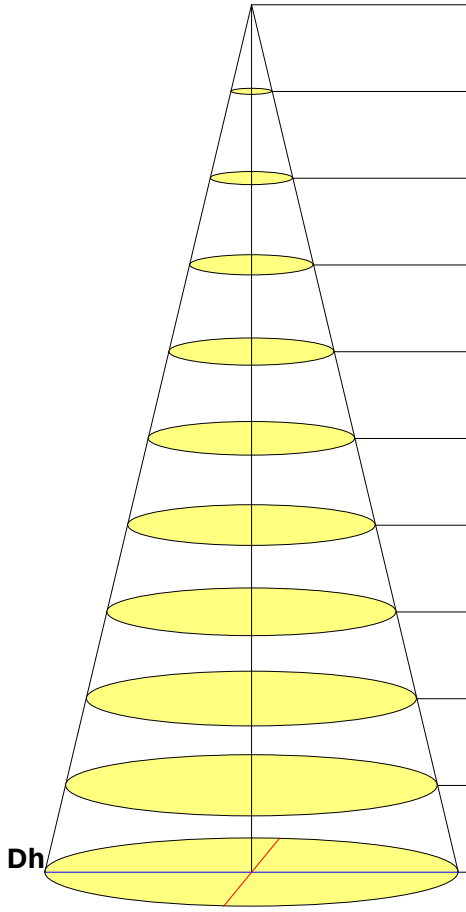


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	369	335	304	269	234	194	153	106	57
C90	794	820	850	889	947	1022	1153	1395	1992
C180	342	309	275	240	202	163	120	73	24
C270	669	673	679	688	704	727	774	869	1329

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

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

Illuminance at a Distance



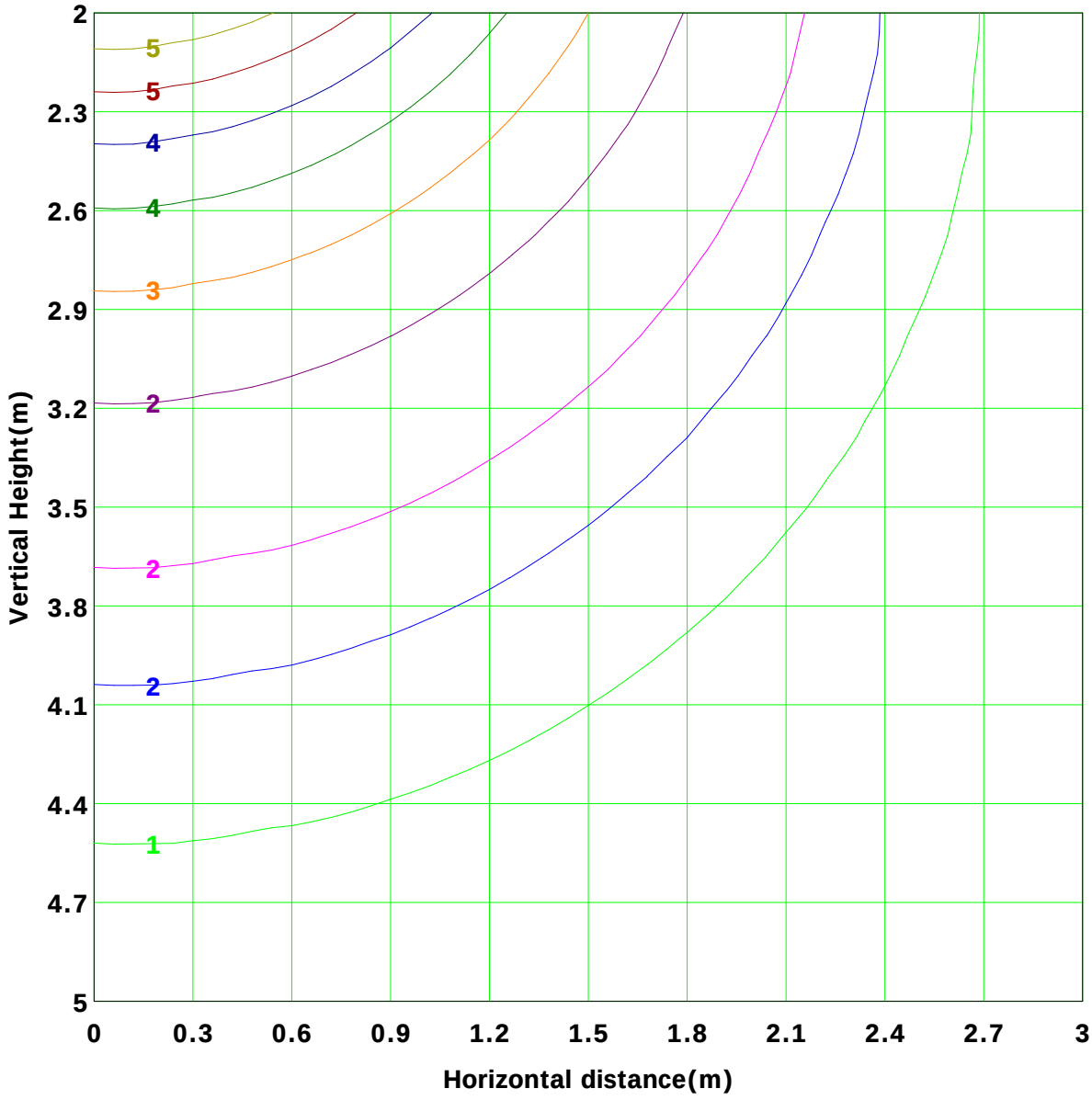
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	24.23	2.93/5.14	15.5	2.20
2.0	6.06	5.86/10.28	62.2	0.55
3.0	2.69	8.79/15.42	139.9	0.24
4.0	1.51	11.72/20.56	248.7	0.14
5.0	0.97	14.65/25.70	388.6	0.09
6.0	0.67	17.58/30.84	559.5	0.06
7.0	0.49	20.51/35.99	761.6	0.04
8.0	0.38	23.44/41.13	994.8	0.03
9.0	0.30	26.37/46.27	1259.0	0.03
10.0	0.24	29.31/51.41	1554.3	0.02

Beam Angle(B): H111.4 V137.5 Field Angle(F): H162.9 V293.4

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

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: 6.1 lx

(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.5 lx	(30%): 1.8 lx
(40%): 2.4 lx	(50%): 3.0 lx
(60%): 3.6 lx	(70%): 4.2 lx
(80%): 4.9 lx	(90%): 5.5 lx

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

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 (columns) / Horizontal plane (rows)

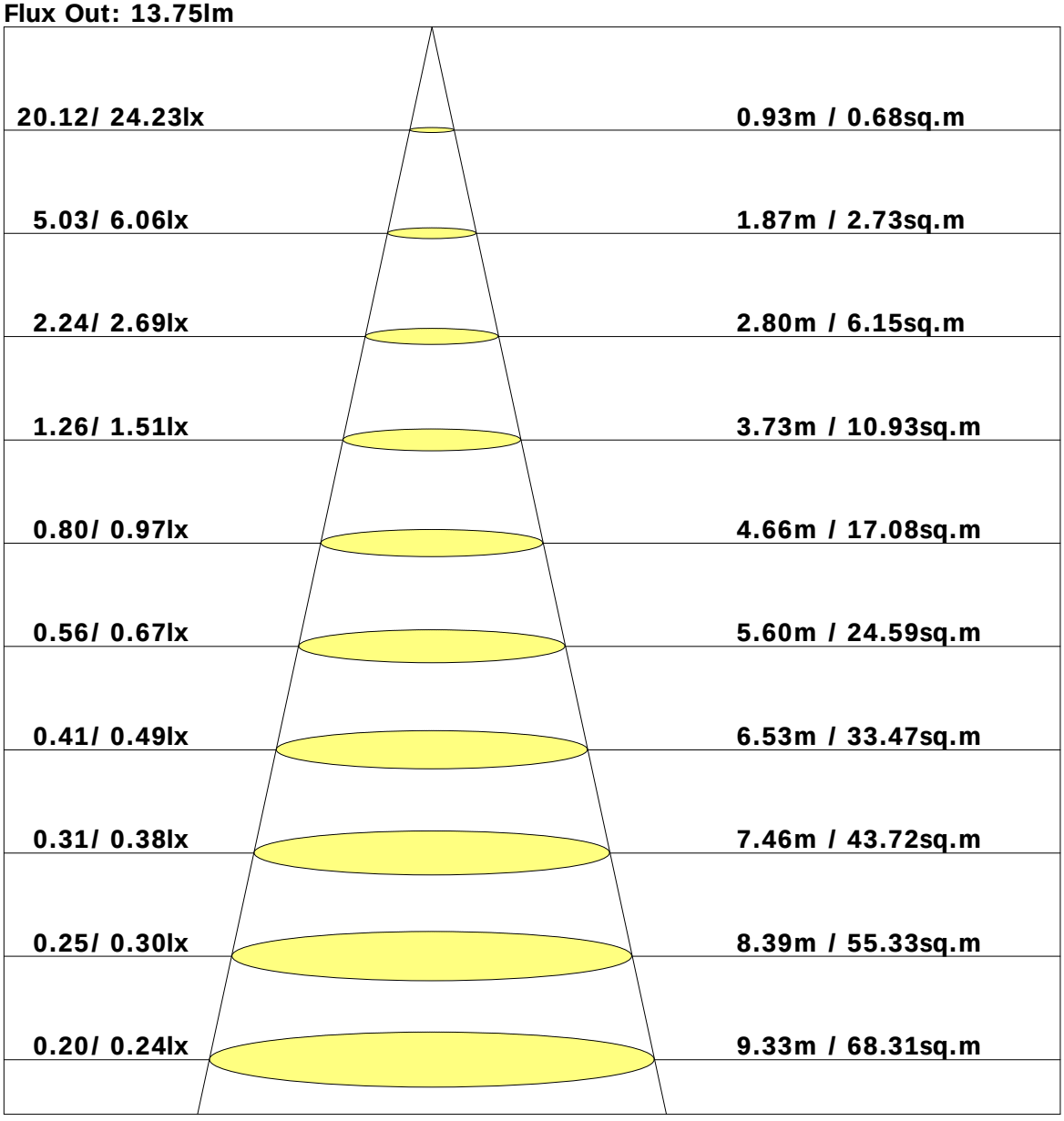
Horizontal plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.4	0.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	1.4	1.4		0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-60	2.8	2.8		0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-50	4.5	4.5		0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1
-40	6.2	6.2		0.2	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-30	7.7	7.7		0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.1
-20	8.9	8.9		0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2
-10	9.5	9.5		0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2
0	9.6	9.6		0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2
10	8.9	8.9		0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2
20	7.8	7.8		0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.1
30	6.3	6.3		0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
40	4.6	4.6		0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1
50	3.0	3.0		0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
60	1.6	1.6		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
70	0.5	0.6		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	0.1		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)		84		2.3	3.2	4.1	4.9	5.6	6.1	6.4	6.5	6.5	6.4	6.2	5.8	5.3	4.6	3.8	3.0	2.1	1.5
Flux(E)	84			2.2	3.2	4.1	4.9	5.5	6.1	6.4	6.5	6.4	6.4	6.2	5.8	5.3	4.6	3.8	3.0	2.0	1.5

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

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: 13.75lm



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: Michael

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	16.1	17.5	16.7	18.1	18.8	16.7	18.1	17.3	18.7	19.4
3H	18.0	19.3	18.6	19.9	20.6	18.8	20.1	19.4	20.7	21.4
4H	18.8	20.0	19.4	20.6	21.3	19.8	21.0	20.4	21.6	22.3
6H	19.4	20.5	20.0	21.1	21.9	20.6	21.8	21.3	22.4	23.1
8H	19.6	20.7	20.2	21.3	22.1	21.0	22.1	21.7	22.7	23.5
12H	19.8	20.8	20.4	21.4	22.2	21.4	22.4	22.0	23.0	23.8
X=4H Y=2H	16.7	17.9	17.3	18.5	19.2	17.3	18.5	17.9	19.1	19.9
3H	18.8	19.9	19.5	20.5	21.2	19.7	20.7	20.4	21.4	22.1
4H	19.7	20.7	20.4	21.3	22.1	20.8	21.8	21.5	22.4	23.2
6H	20.5	21.3	21.1	22.0	22.8	21.9	22.7	22.5	23.4	24.1
8H	20.7	21.5	21.4	22.2	23.0	22.3	23.1	23.0	23.8	24.6
12H	20.9	21.6	21.6	22.3	23.1	22.7	23.5	23.4	24.2	25.0
X=8H Y=4H	20.1	20.9	20.8	21.6	22.3	21.2	22.0	21.9	22.6	23.4
6H	21.0	21.6	21.7	22.4	23.2	22.4	23.1	23.1	23.8	24.6
8H	21.3	21.9	22.0	22.7	23.5	23.0	23.6	23.7	24.3	25.1
12H	21.6	22.2	22.4	22.9	23.8	23.6	24.1	24.3	24.8	25.7
X=12H Y=4H	20.2	20.9	20.8	21.6	22.4	21.2	21.9	21.9	22.6	23.4
6H	21.1	21.7	21.8	22.4	23.2	22.5	23.1	23.2	23.8	24.7
8H	21.5	22.0	22.2	22.8	23.6	23.2	23.7	23.9	24.4	25.3

Calculate in accordance with CIE 190:2010

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

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	0.95
	0.30		0.44	0.52	0.59	0.65	0.72	0.78	0.82	0.88	0.91
	0.20		0.38	0.46	0.53	0.59	0.67	0.73	0.77	0.83	0.88
0.50	0.50	0.20	0.49	0.56	0.62	0.67	0.74	0.78	0.81	0.85	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	0.63	0.69	0.73	0.78	0.82
0.30	0.50	0.20	0.46	0.52	0.58	0.63	0.68	0.72	0.75	0.79	0.82
	0.30		0.40	0.47	0.53	0.57	0.64	0.68	0.72	0.76	0.79
	0.20		0.36	0.42	0.49	0.53	0.60	0.65	0.68	0.73	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: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: Michael

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	0.41	0.36	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	0.68	0.60	0.49	0.44	0.36	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	0.54	0.48	0.41	0.35	0.31	0.26	0.22
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	0.65	0.56	0.50	0.42	0.36	0.31	0.25	0.21
	0.20		0.64	0.58	0.51	0.46	0.39	0.33	0.30	0.24	0.20
0.00	0.00	0.00	0.52	0.47	0.41	0.37	0.31	0.26	0.23	0.19	0.16

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: Michael

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	0.31	0.33	0.34	0.34	0.35	0.36	0.36	0.36	0.37
	0.30		0.25	0.26	0.27	0.28	0.30	0.31	0.32	0.33	0.34
	0.20		0.20	0.21	0.22	0.24	0.25	0.27	0.28	0.30	0.31
0.50	0.50	0.20	0.30	0.32	0.32	0.33	0.34	0.34	0.34	0.35	0.35
	0.30		0.24	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.32
	0.20		0.19	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.30
0.30	0.50	0.20	0.29	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.34
	0.30		0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.31
	0.20		0.19	0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.29
0.00	0.00	0.00	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

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: Michael

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	24.3	0.0	0.0	0.02	0.02
1.0-2.0	24.2	0.1	0.1	0.07	0.09
2.0-3.0	24.2	0.1	0.2	0.12	0.21
3.0-4.0	24.2	0.2	0.4	0.16	0.37
4.0-5.0	24.2	0.2	0.6	0.21	0.58
5.0-6.0	24.2	0.3	0.8	0.26	0.84
6.0-7.0	24.1	0.3	1.1	0.30	1.14
7.0-8.0	24.1	0.3	1.5	0.35	1.48
8.0-9.0	24.1	0.4	1.9	0.39	1.88
9.0-10.0	24.0	0.4	2.3	0.44	2.31
10.0-11.0	23.9	0.5	2.8	0.48	2.79
11.0-12.0	23.9	0.5	3.3	0.52	3.32
12.0-13.0	23.8	0.6	3.9	0.57	3.88
13.0-14.0	23.7	0.6	4.5	0.61	4.49
14.0-15.0	23.7	0.6	5.1	0.65	5.15
15.0-16.0	23.6	0.7	5.8	0.69	5.84
16.0-17.0	23.5	0.7	6.5	0.73	6.57
17.0-18.0	23.4	0.8	7.3	0.77	7.35
18.0-19.0	23.3	0.8	8.1	0.81	8.16
19.0-20.0	23.2	0.8	9.0	0.85	9.01
20.0-21.0	23.0	0.9	9.9	0.89	9.90
21.0-22.0	22.9	0.9	10.8	0.92	10.82
22.0-23.0	22.8	1.0	11.7	0.96	11.78
23.0-24.0	22.6	1.0	12.7	0.99	12.78
24.0-25.0	22.5	1.0	13.7	1.03	13.80
25.0-26.0	22.3	1.1	14.8	1.06	14.86
26.0-27.0	22.1	1.1	15.9	1.09	15.95
27.0-28.0	21.9	1.1	17.0	1.12	17.06
28.0-29.0	21.8	1.1	18.1	1.14	18.20
29.0-30.0	21.6	1.2	19.3	1.17	19.37
30.0-31.0	21.4	1.2	20.5	1.19	20.57
31.0-32.0	21.2	1.2	21.7	1.22	21.79
32.0-33.0	21.0	1.2	22.9	1.24	23.03
33.0-34.0	20.8	1.3	24.2	1.26	24.29
34.0-35.0	20.5	1.3	25.5	1.28	25.57
35.0-36.0	20.3	1.3	26.8	1.30	26.87

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

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	20.1	1.3	28.1	1.31	28.18
37.0-38.0	19.8	1.3	29.4	1.33	29.51
38.0-39.0	19.6	1.3	30.7	1.34	30.85
39.0-40.0	19.3	1.3	32.1	1.35	32.21
40.0-41.0	19.1	1.4	33.4	1.36	33.57
41.0-42.0	18.8	1.4	34.8	1.37	34.94
42.0-43.0	18.6	1.4	36.2	1.38	36.32
43.0-44.0	18.3	1.4	37.6	1.39	37.71
44.0-45.0	18.0	1.4	38.9	1.39	39.10
45.0-46.0	17.7	1.4	40.3	1.39	40.49
46.0-47.0	17.4	1.4	41.7	1.39	41.88
47.0-48.0	17.1	1.4	43.1	1.39	43.27
48.0-49.0	16.8	1.4	44.5	1.39	44.66
49.0-50.0	16.5	1.4	45.9	1.38	46.04
50.0-51.0	16.2	1.4	47.2	1.38	47.42
51.0-52.0	15.9	1.4	48.6	1.37	48.79
52.0-53.0	15.6	1.4	50.0	1.36	50.16
53.0-54.0	15.3	1.3	51.3	1.36	51.51
54.0-55.0	15.0	1.3	52.6	1.34	52.86
55.0-56.0	14.7	1.3	54.0	1.33	54.19
56.0-57.0	14.3	1.3	55.3	1.32	55.51
57.0-58.0	14.0	1.3	56.6	1.30	56.81
58.0-59.0	13.7	1.3	57.9	1.28	58.09
59.0-60.0	13.3	1.3	59.1	1.26	59.35
60.0-61.0	13.0	1.2	60.4	1.25	60.60
61.0-62.0	12.7	1.2	61.6	1.23	61.83
62.0-63.0	12.3	1.2	62.8	1.20	63.03
63.0-64.0	12.0	1.2	64.0	1.18	64.21
64.0-65.0	11.6	1.2	65.1	1.16	65.37
65.0-66.0	11.3	1.1	66.2	1.13	66.50
66.0-67.0	11.0	1.1	67.3	1.11	67.61
67.0-68.0	10.6	1.1	68.4	1.08	68.68
68.0-69.0	10.2	1.0	69.5	1.05	69.73
69.0-70.0	9.9	1.0	70.5	1.02	70.75
70.0-71.0	9.5	1.0	71.5	0.99	71.74
71.0-72.0	9.2	1.0	72.4	0.96	72.70

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

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	8.8	0.9	73.3	0.93	73.63
73.0-74.0	8.5	0.9	74.2	0.89	74.52
74.0-75.0	8.1	0.9	75.1	0.86	75.38
75.0-76.0	7.8	0.8	75.9	0.83	76.21
76.0-77.0	7.4	0.8	76.7	0.79	77.00
77.0-78.0	7.1	0.8	77.4	0.76	77.76
78.0-79.0	6.7	0.7	78.2	0.72	78.48
79.0-80.0	6.3	0.7	78.9	0.69	79.17
80.0-81.0	6.0	0.6	79.5	0.65	79.82
81.0-82.0	5.7	0.6	80.1	0.62	80.44
82.0-83.0	5.4	0.6	80.7	0.59	81.03
83.0-84.0	5.1	0.6	81.3	0.56	81.58
84.0-85.0	4.8	0.5	81.8	0.53	82.11
85.0-86.0	4.6	0.5	82.3	0.51	82.62
86.0-87.0	4.4	0.5	82.8	0.49	83.10
87.0-88.0	4.2	0.5	83.2	0.46	83.57
88.0-89.0	4.0	0.4	83.7	0.44	84.01
89.0-90.0	3.9	0.4	84.1	0.43	84.44
90.0-91.0	3.7	0.4	84.5	0.41	84.85
91.0-92.0	3.6	0.4	84.9	0.40	85.25
92.0-93.0	3.5	0.4	85.3	0.38	85.63
93.0-94.0	3.4	0.4	85.7	0.37	86.01
94.0-95.0	3.3	0.4	86.0	0.37	86.37
95.0-96.0	3.3	0.4	86.4	0.36	86.74
96.0-97.0	3.3	0.4	86.7	0.36	87.09
97.0-98.0	3.3	0.4	87.1	0.36	87.45
98.0-99.0	3.3	0.4	87.5	0.35	87.80
99.0-100.0	3.3	0.4	87.8	0.35	88.16
100.0-101.0	3.2	0.3	88.2	0.35	88.51
101.0-102.0	3.2	0.3	88.5	0.35	88.85
102.0-103.0	3.2	0.3	88.8	0.34	89.20
103.0-104.0	3.2	0.3	89.2	0.34	89.53
104.0-105.0	3.1	0.3	89.5	0.33	89.87
105.0-106.0	3.1	0.3	89.8	0.33	90.20
106.0-107.0	3.1	0.3	90.2	0.33	90.52
107.0-108.0	3.1	0.3	90.5	0.32	90.85

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

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	3.0	0.3	90.8	0.32	91.16
109.0-110.0	3.0	0.3	91.1	0.31	91.48
110.0-111.0	3.0	0.3	91.4	0.31	91.79
111.0-112.0	3.0	0.3	91.7	0.30	92.09
112.0-113.0	2.9	0.3	92.0	0.30	92.39
113.0-114.0	2.9	0.3	92.3	0.29	92.68
114.0-115.0	2.9	0.3	92.6	0.29	92.97
115.0-116.0	2.8	0.3	92.9	0.28	93.25
116.0-117.0	2.8	0.3	93.2	0.28	93.53
117.0-118.0	2.8	0.3	93.4	0.27	93.80
118.0-119.0	2.7	0.3	93.7	0.26	94.06
119.0-120.0	2.7	0.3	93.9	0.26	94.32
120.0-121.0	2.7	0.3	94.2	0.25	94.57
121.0-122.0	2.6	0.2	94.4	0.25	94.82
122.0-123.0	2.6	0.2	94.7	0.24	95.06
123.0-124.0	2.5	0.2	94.9	0.23	95.29
124.0-125.0	2.5	0.2	95.1	0.23	95.52
125.0-126.0	2.4	0.2	95.4	0.22	95.74
126.0-127.0	2.4	0.2	95.6	0.21	95.95
127.0-128.0	2.4	0.2	95.8	0.21	96.16
128.0-129.0	2.3	0.2	96.0	0.20	96.36
129.0-130.0	2.3	0.2	96.2	0.19	96.55
130.0-131.0	2.3	0.2	96.4	0.19	96.74
131.0-132.0	2.2	0.2	96.5	0.18	96.93
132.0-133.0	2.2	0.2	96.7	0.18	97.10
133.0-134.0	2.1	0.2	96.9	0.17	97.27
134.0-135.0	2.1	0.2	97.0	0.17	97.44
135.0-136.0	2.1	0.2	97.2	0.16	97.60
136.0-137.0	2.0	0.2	97.4	0.15	97.75
137.0-138.0	2.0	0.1	97.5	0.15	97.90
138.0-139.0	1.9	0.1	97.7	0.14	98.04
139.0-140.0	1.9	0.1	97.8	0.14	98.18
140.0-141.0	1.8	0.1	97.9	0.13	98.31
141.0-142.0	1.8	0.1	98.0	0.12	98.43
142.0-143.0	1.7	0.1	98.2	0.12	98.55
143.0-144.0	1.7	0.1	98.3	0.11	98.66

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

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	1.6	0.1	98.4	0.11	98.76
145.0-146.0	1.6	0.1	98.5	0.10	98.86
146.0-147.0	1.5	0.1	98.6	0.09	98.96
147.0-148.0	1.5	0.1	98.6	0.09	99.04
148.0-149.0	1.4	0.1	98.7	0.08	99.13
149.0-150.0	1.4	0.1	98.8	0.08	99.20
150.0-151.0	1.3	0.1	98.9	0.07	99.27
151.0-152.0	1.3	0.1	98.9	0.07	99.34
152.0-153.0	1.2	0.1	99.0	0.06	99.40
153.0-154.0	1.2	0.1	99.1	0.06	99.46
154.0-155.0	1.1	0.1	99.1	0.05	99.51
155.0-156.0	1.1	0.0	99.2	0.05	99.56
156.0-157.0	1.0	0.0	99.2	0.05	99.61
157.0-158.0	1.0	0.0	99.3	0.04	99.65
158.0-159.0	1.0	0.0	99.3	0.04	99.69
159.0-160.0	0.9	0.0	99.3	0.04	99.73
160.0-161.0	0.9	0.0	99.4	0.03	99.76
161.0-162.0	0.9	0.0	99.4	0.03	99.79
162.0-163.0	0.8	0.0	99.4	0.03	99.82
163.0-164.0	0.8	0.0	99.4	0.02	99.84
164.0-165.0	0.8	0.0	99.5	0.02	99.87
165.0-166.0	0.7	0.0	99.5	0.02	99.89
166.0-167.0	0.7	0.0	99.5	0.02	99.91
167.0-168.0	0.7	0.0	99.5	0.02	99.92
168.0-169.0	0.6	0.0	99.5	0.01	99.93
169.0-170.0	0.6	0.0	99.5	0.01	99.95
170.0-171.0	0.6	0.0	99.6	0.01	99.96
171.0-172.0	0.6	0.0	99.6	0.01	99.97
172.0-173.0	0.6	0.0	99.6	0.01	99.98
173.0-174.0	0.6	0.0	99.6	0.01	99.98
174.0-175.0	0.5	0.0	99.6	0.01	99.99
175.0-176.0	0.5	0.0	99.6	0.00	99.99
176.0-177.0	0.5	0.0	99.6	0.00	100.00
177.0-178.0	0.5	0.0	99.6	0.00	100.00
178.0-179.0	0.5	0.0	99.6	0.00	100.00
179.0-180.0	0.5	0.0	99.6	0.00	100.00

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

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