GENLED Brands
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Tel:+1 212 629 6830
Fax:

Report No.: 20230810 **Test Time: 2023/8/10 12:19**

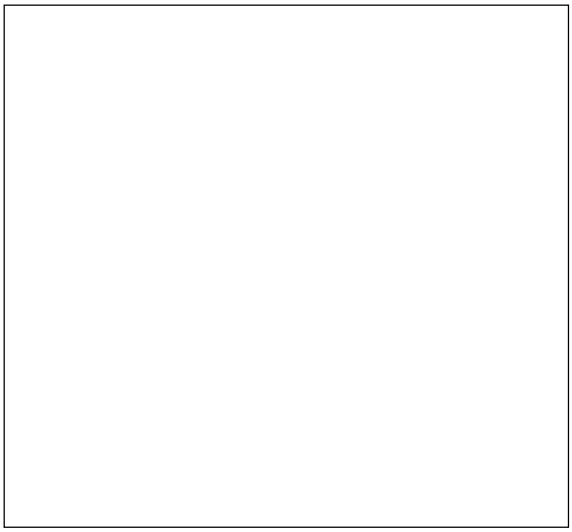
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Pixel Bar
Luminaire Description: Pixel Bar 900 mm Square Milky **RGBW**
Lamp Description: RGBW+3000k **Luminous Length (mm): 900**
Luminous Width (mm): 40 **Luminous Height (mm): 30**
Voltage: 219.3 V **Current: 0.109 A**
Power: 23.04 W **Power Factor: 0.963**

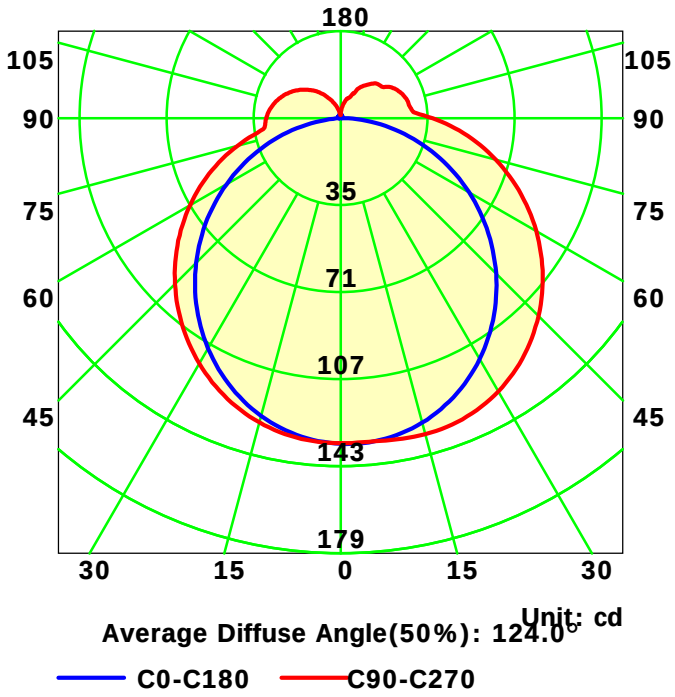
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 542.9 lm**
Measurement Flux: 542.9 lm **Efficiency: 100%**
Downward Ratio: 85% **Upward Ratio: 15%**
Horizontal Diffuse Angle(10%,50%): H162.2,H110.9
Vertical Diffuse Angle(10%,50%): V291.6,V137.1
Luminaire Efficacy Rating (LER): 24 **Central Intensity: 134.2 cd**
Max. Intensity: 134.81 cd **Pos of Max. Intensity: H90 V16**

Picture Of Luminaire

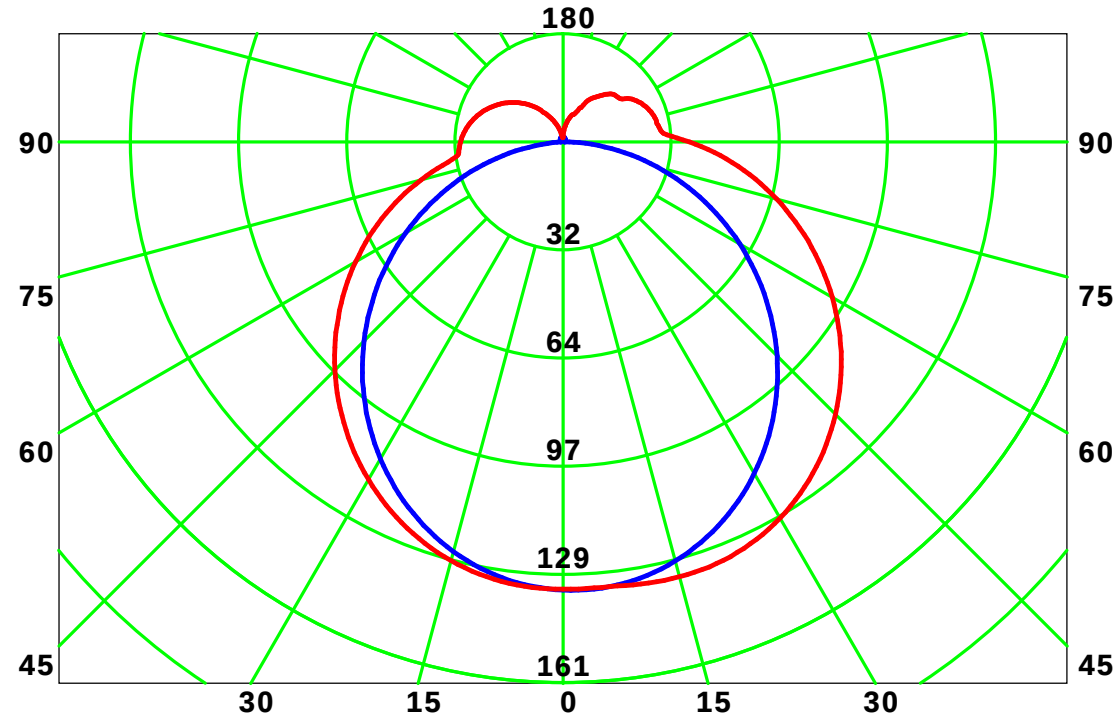


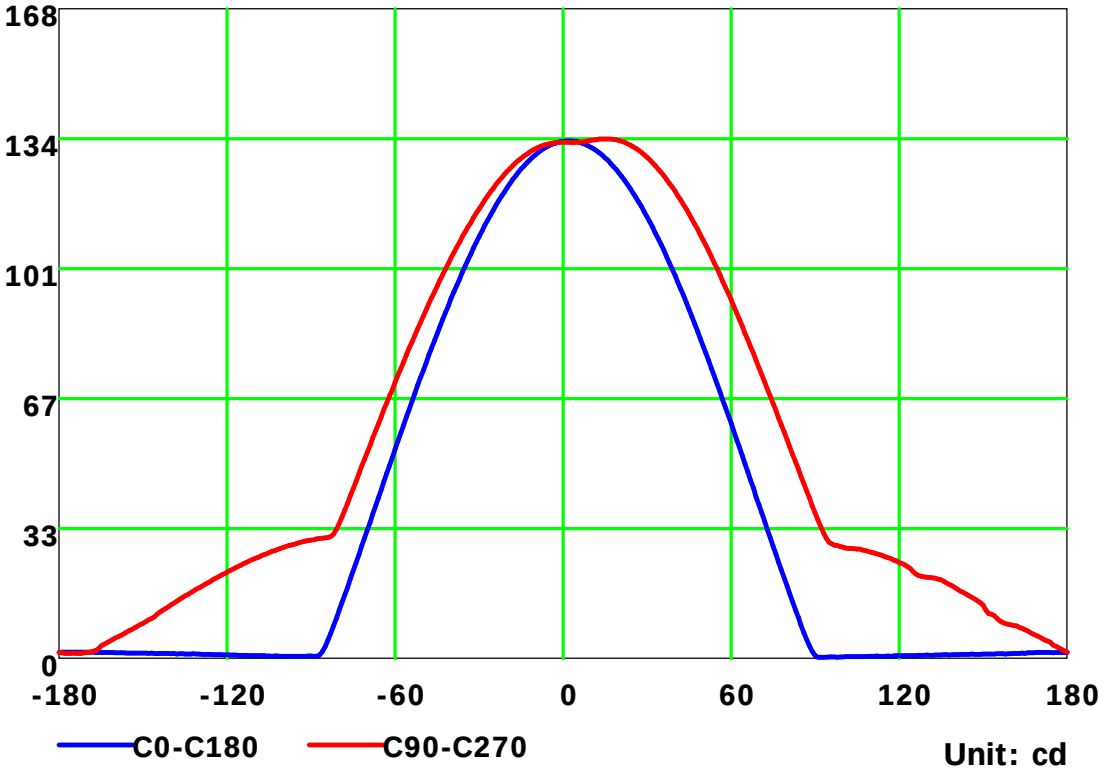
Luminous Intensity Distribution Curve



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





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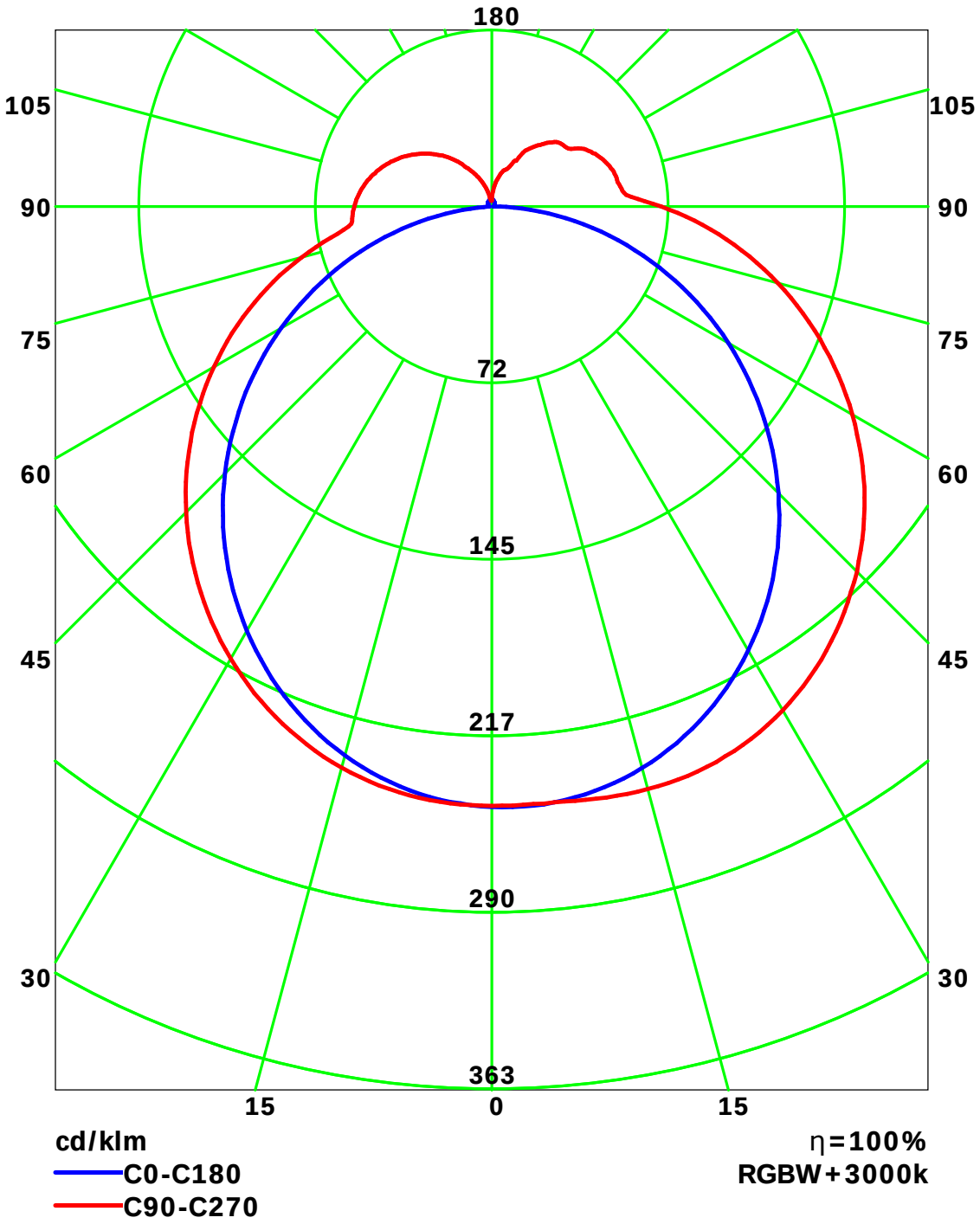
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Michael

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
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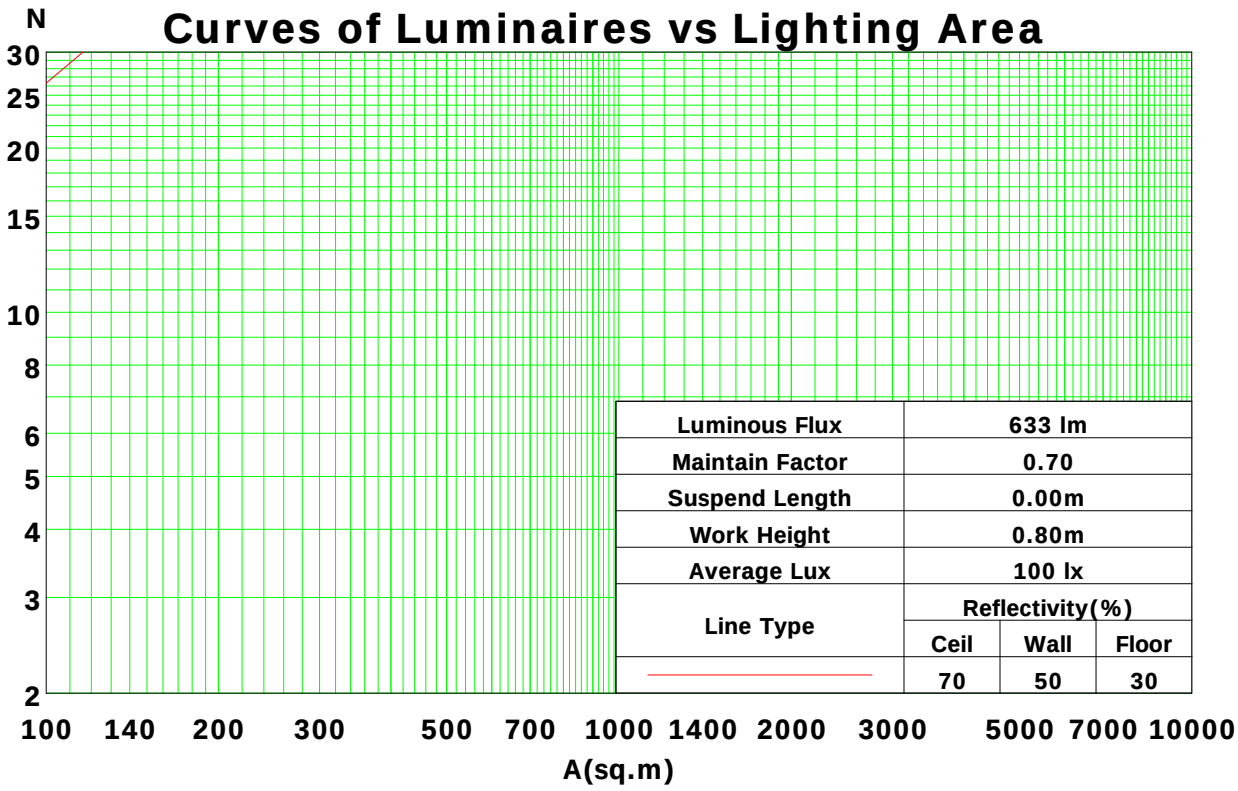
Inspector:

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	103	103	103	95	95	95	88	88	88	85
1	103	98	93	88	99	94	90	86	87	83	80	81	78	75	75	72	70	67
2	93	84	77	71	89	81	74	69	75	69	65	69	65	61	64	61	57	54
3	85	73	65	58	81	71	63	56	65	59	53	61	55	51	56	52	48	45
4	77	65	55	48	74	62	54	47	58	51	45	54	48	43	50	45	41	38
5	71	57	48	41	67	55	47	40	51	44	38	48	42	37	45	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	58	45	37	31	42	35	29	39	33	28	37	31	27	25
8	56	42	34	28	54	41	33	27	38	31	26	36	30	25	34	28	24	22
9	52	39	30	25	50	37	30	24	35	28	23	33	27	22	31	26	22	20
10	49	35	28	22	47	34	27	22	32	26	21	31	25	20	29	23	20	18

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.37
Spacing Criteria (Diagonal): 1.44

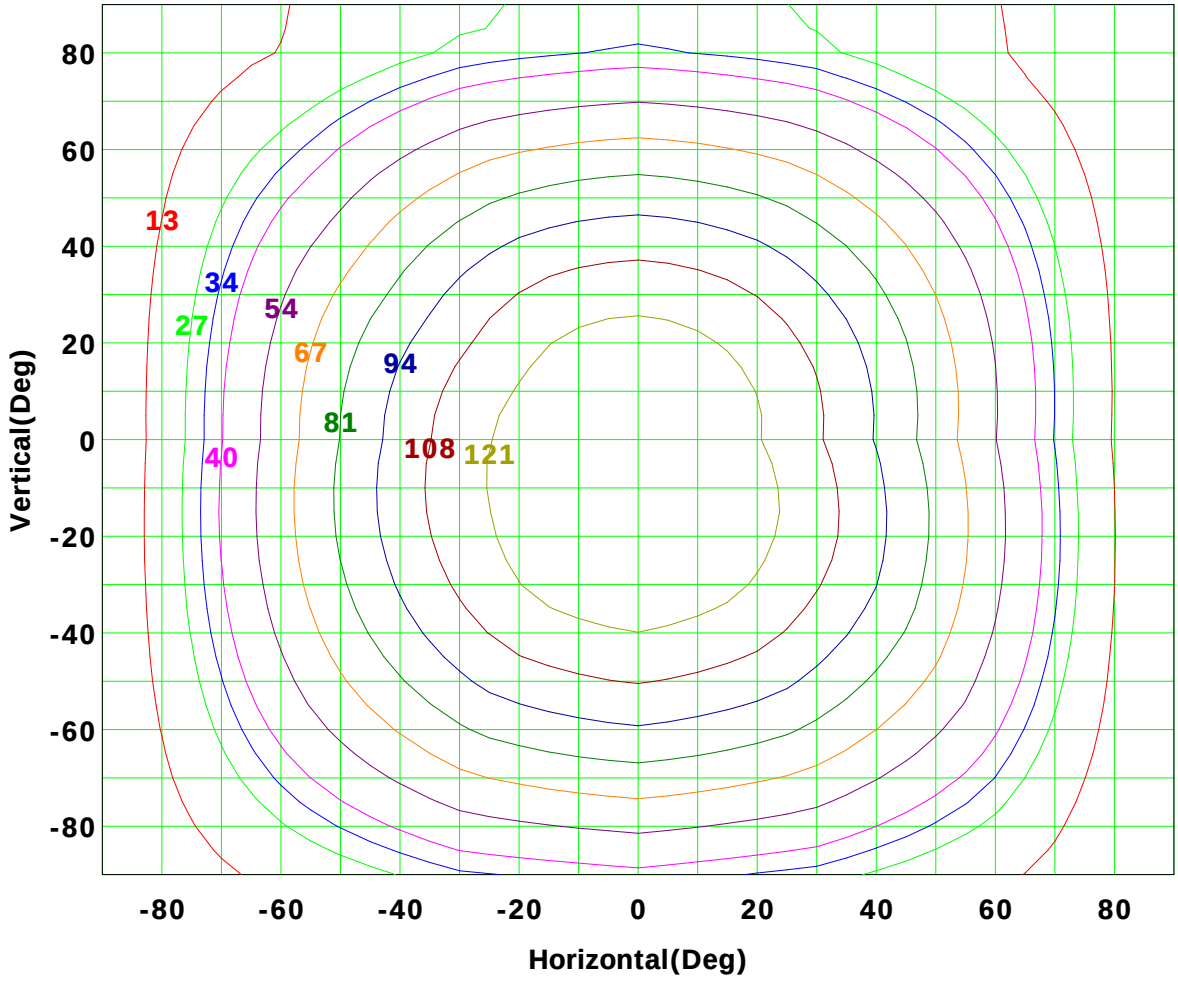
Curves of Luminaires vs Lighting Area



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)



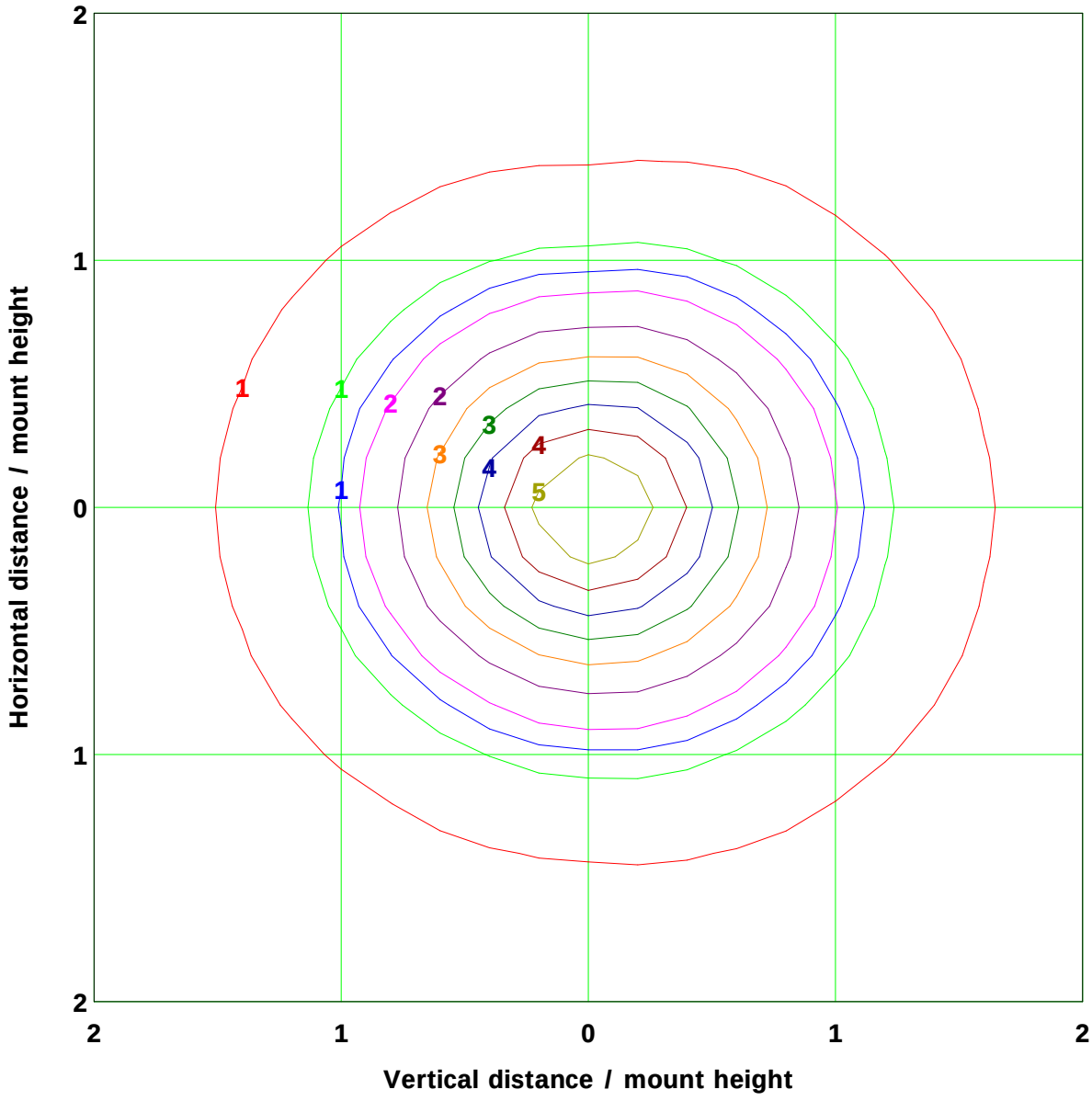
Imax (100%): 135 cd

(10%):	13 cd	(20%):	27 cd
(25%):	34 cd	(30%):	40 cd
(40%):	54 cd	(50%):	67 cd
(60%):	81 cd	(70%):	94 cd
(80%):	108 cd	(90%):	121 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%): 5.4 lx

(10%): 0.5 lx	(20%): 1.1 lx
(25%): 1.3 lx	(30%): 1.6 lx
(40%): 2.1 lx	(50%): 2.7 lx
(60%): 3.2 lx	(70%): 3.8 lx
(80%): 4.3 lx	(90%): 4.8 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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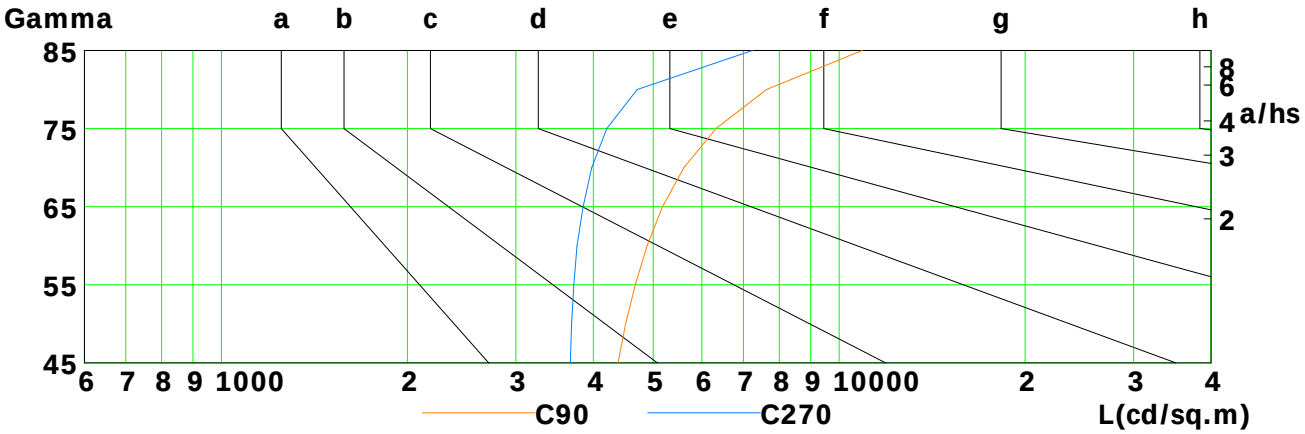
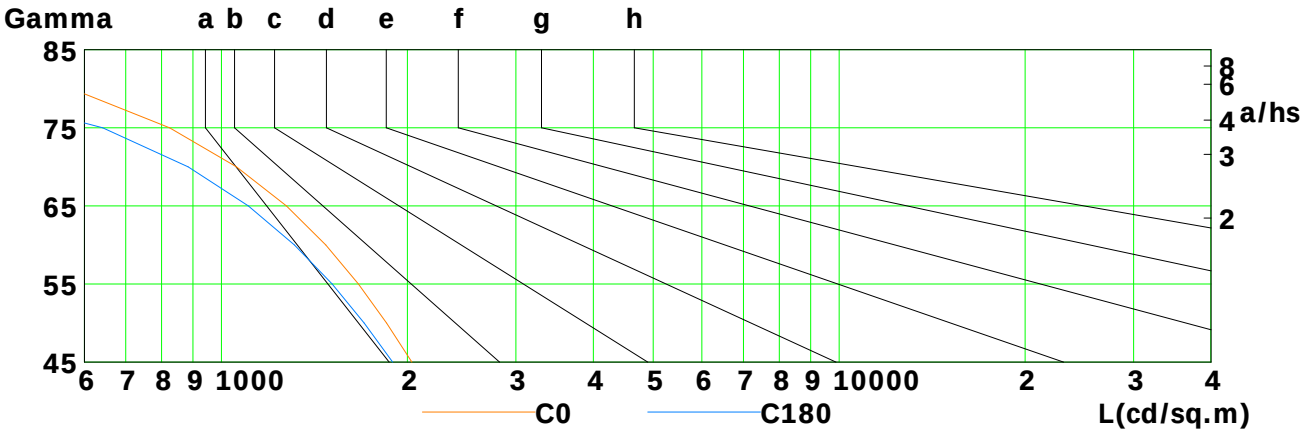
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



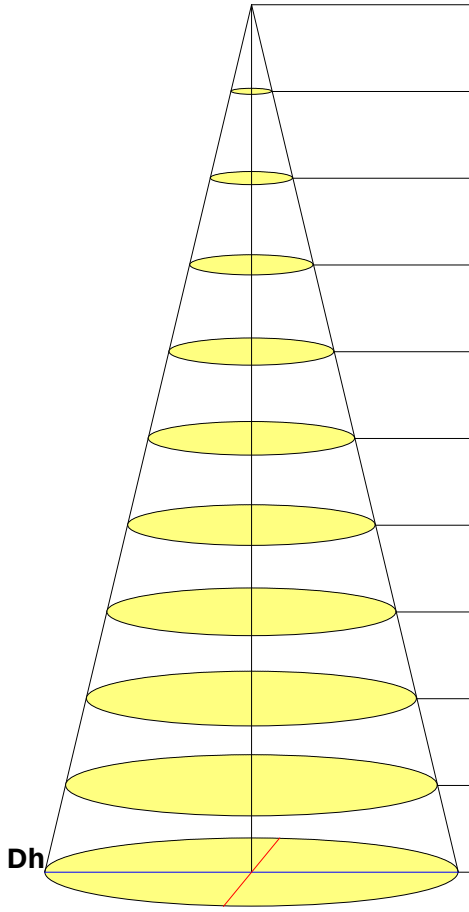


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2035	1852	1667	1476	1275	1058	824	572	290
C90	4388	4514	4678	4889	5177	5609	6320	7633	10902
C180	1894	1704	1511	1313	1106	883	643	380	106
C270	3674	3692	3723	3767	3850	3980	4206	4710	7240

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



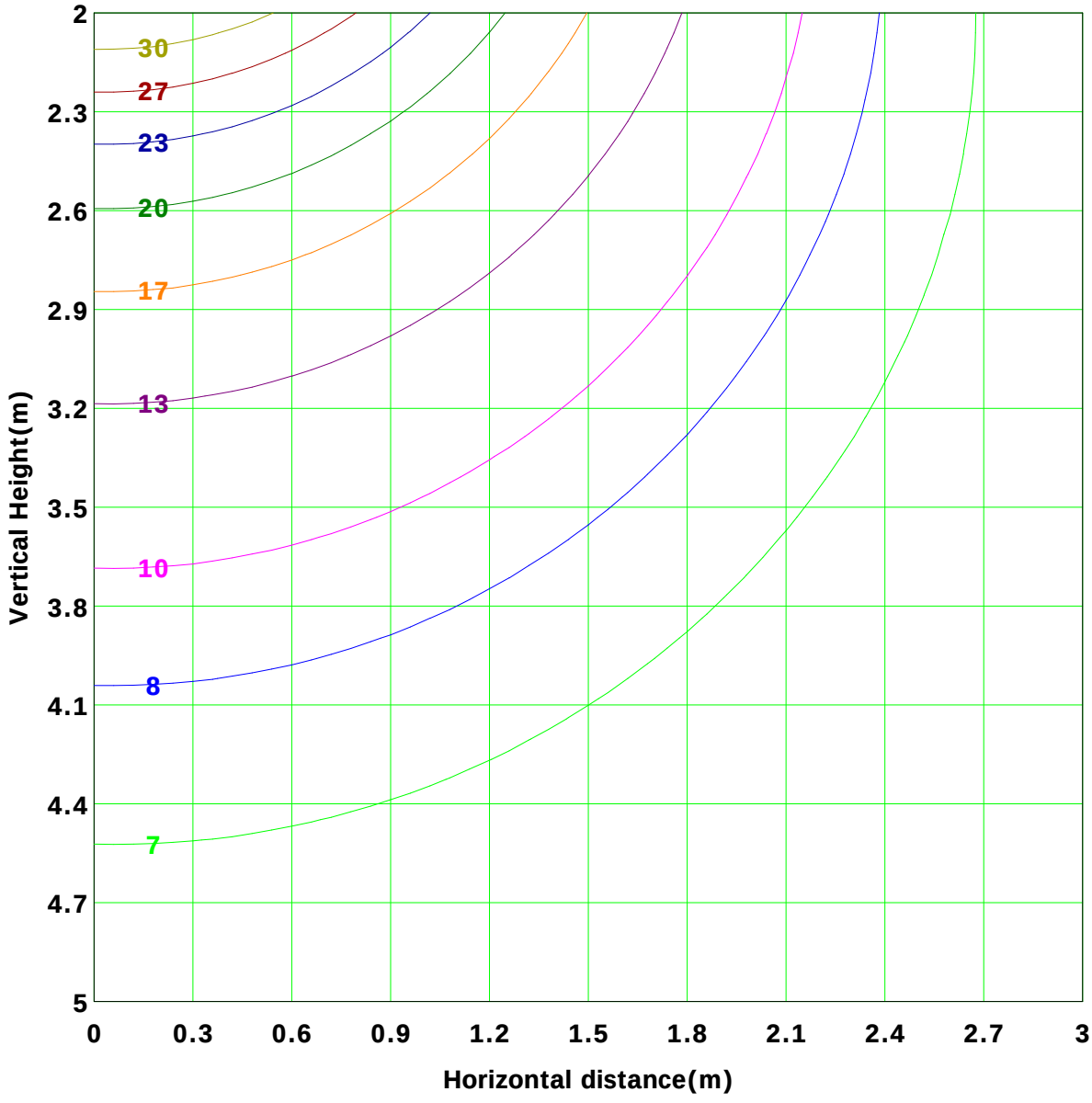
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	134.20	2.90/5.08	15.2	12.32
2.0	33.55	5.81/10.17	60.8	3.08
3.0	14.91	8.71/15.25	136.7	1.37
4.0	8.39	11.61/20.34	243.0	0.77
5.0	5.37	14.52/25.42	379.7	0.49
6.0	3.73	17.42/30.51	546.8	0.34
7.0	2.74	20.32/35.59	744.2	0.25
8.0	2.10	23.23/40.68	972.1	0.19
9.0	1.66	26.13/45.76	1230.3	0.15
10.0	1.34	29.03/50.85	1518.9	0.12

Beam Angle(B): H110.9 V137.1 Field Angle(F): H162.2 V291.6

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: 33.5 lx

(10%): 3.4 lx	(20%): 6.7 lx
(25%): 8.4 lx	(30%): 10.1 lx
(40%): 13.4 lx	(50%): 16.8 lx
(60%): 20.1 lx	(70%): 23.5 lx
(80%): 26.8 lx	(90%): 30.2 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:

Area Flux Table

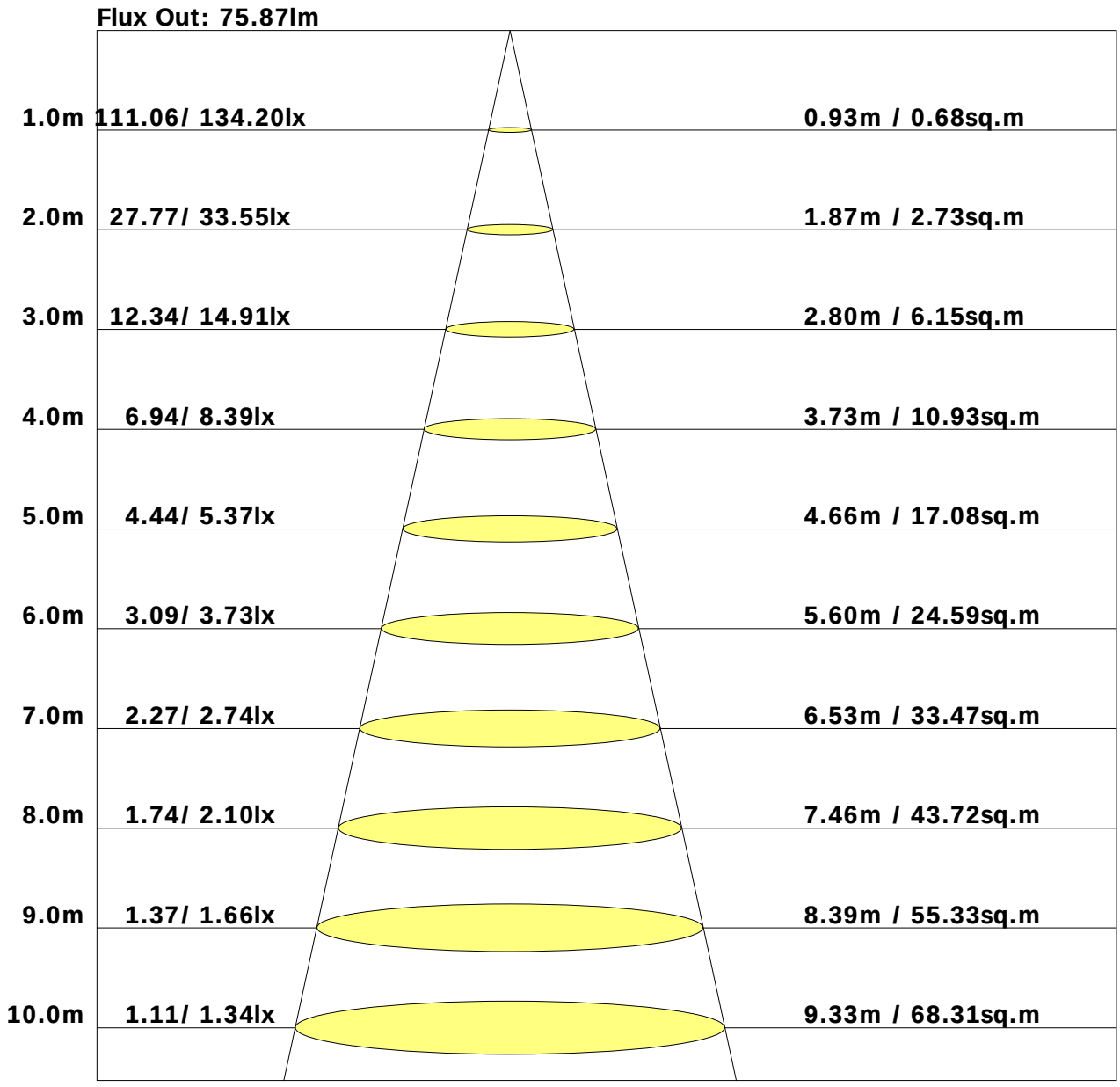
Unit: lm

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	0.0	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	0.2		460
-80	0.1	0.1	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	0.1	0.1	0.0	0.0	462	2.2
-70	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.4	7.9	7.7
-60	0.3	0.4	0.7	0.9	1.1	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.0	0.9	0.7	0.4	0.4	15.5	15.5
-50	0.4	0.6	1.1	1.4	1.6	1.5	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.7	1.5	1.4	1.1	0.9	0.6	24.5	24.5
-40	0.6	0.8	1.2	1.6	1.9	2.1	2.3	2.5	2.5	2.6	2.6	2.6	2.6	2.3	2.1	1.9	1.6	1.2	0.9	34.0	34.0
-30	0.8	1.1	1.5	2.0	2.3	2.7	2.9	3.1	3.2	3.3	3.3	3.2	3.1	2.9	2.7	2.3	2.0	1.5	1.1	42.5	42.5
-20	0.9	1.2	1.7	2.2	2.7	3.1	3.4	3.6	3.7	3.8	3.8	3.7	3.5	3.2	2.8	2.3	1.8	1.3	1.3	48.9	48.9
-10	0.9	1.3	1.9	2.4	2.9	3.3	3.7	3.9	4.0	4.0	4.1	4.0	3.8	3.5	3.0	2.5	2.0	1.4	1.4	52.5	52.5
0	0.9	1.3	1.9	2.4	2.9	3.3	3.7	3.9	4.0	4.0	4.1	4.0	3.8	3.5	3.0	2.5	2.0	1.4	1.4	52.6	52.6
10	0.9	1.2	1.7	2.3	2.7	3.1	3.4	3.6	3.8	3.8	3.8	3.7	3.5	3.2	2.8	2.4	1.8	1.3	1.3	49.2	49.2
20	0.8	1.1	1.5	2.0	2.4	2.7	3.0	3.2	3.3	3.3	3.3	3.3	3.1	2.8	2.5	2.1	1.6	1.2	1.2	43.0	43.0
30	0.6	0.8	1.2	1.6	1.9	2.2	2.4	2.5	2.7	2.7	2.7	2.7	2.6	2.3	2.0	1.7	1.3	0.9	0.9	34.6	34.6
40	0.4	0.6	0.9	1.1	1.4	1.6	1.7	1.9	1.9	2.0	2.0	1.9	1.8	1.7	1.5	1.2	1.0	0.7	0.7	25.2	25.2
50	0.3	0.4	0.5	0.7	0.9	1.0	1.1	1.2	1.2	1.3	1.3	1.3	1.2	1.1	1.0	0.8	0.6	0.4	0.4	16.2	16.2
60	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2	8.6	8.4
70	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	0.2	0.2	0.1	0.1	0.1	3.2	2.9
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	0.2
90	8.2	11.3	16.3	21.0	25.4	29.1	32.0	34.0	35.1	35.6	35.8	35.2	33.4	30.5	26.8	22.3	17.4	12.3			
Flux(T)	7.8	11.0	16.1	21.0	25.3	29.0	32.0	34.0	35.0	35.6	35.8	35.1	33.3	30.5	26.7	22.3	17.3	12.1			
Flux(E)																					

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



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Test Type: TYPE C
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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	16.2	17.6	16.7	18.2	18.8	16.8	18.2	17.3	18.7	19.4
3H	18.1	19.4	18.7	20.0	20.7	18.9	20.2	19.5	20.8	21.5
4H	18.8	20.0	19.4	20.7	21.4	19.8	21.1	20.5	21.7	22.4
6H	19.4	20.6	20.0	21.2	21.9	20.7	21.8	21.3	22.5	23.2
8H	19.6	20.7	20.3	21.3	22.1	21.1	22.2	21.7	22.8	23.5
12H	19.8	20.8	20.4	21.4	22.2	21.4	22.5	22.1	23.1	23.9
X=4H Y=2H	16.8	18.0	17.4	18.6	19.3	17.4	18.6	18.0	19.2	19.9
3H	18.9	19.9	19.5	20.6	21.3	19.8	20.8	20.4	21.5	22.2
4H	19.8	20.7	20.4	21.4	22.1	20.9	21.8	21.5	22.5	23.2
6H	20.5	21.3	21.1	22.0	22.8	21.9	22.7	22.6	23.4	24.2
8H	20.7	21.5	21.4	22.2	23.0	22.4	23.2	23.0	23.8	24.6
12H	20.9	21.6	21.6	22.3	23.1	22.8	23.5	23.5	24.2	25.0
X=8H Y=4H	20.1	20.9	20.8	21.6	22.4	21.2	22.0	21.9	22.7	23.5
6H	21.0	21.7	21.7	22.4	23.2	22.4	23.1	23.2	23.8	24.6
8H	21.3	21.9	22.1	22.7	23.5	23.0	23.6	23.8	24.4	25.2
12H	21.6	22.2	22.3	22.9	23.7	23.6	24.2	24.3	24.9	25.7
X=12H Y=4H	20.2	20.9	20.9	21.6	22.4	21.3	22.0	22.0	22.7	23.5
6H	21.1	21.7	21.8	22.4	23.3	22.6	23.2	23.3	23.9	24.7
8H	21.5	22.1	22.2	22.8	23.6	23.2	23.8	23.9	24.5	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	0.93	0.96
	0.30		0.44	0.52	0.60	0.65	0.73	0.78	0.82	0.88	0.92
	0.20		0.39	0.46	0.54	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	0.82	0.86	0.89
	0.30		0.42	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
	0.20		0.37	0.45	0.51	0.56	0.64	0.69	0.73	0.79	0.82
0.30	0.50	0.20	0.46	0.53	0.59	0.63	0.69	0.73	0.76	0.80	0.82
	0.30		0.40	0.47	0.53	0.58	0.64	0.69	0.72	0.77	0.80
	0.20		0.36	0.42	0.49	0.54	0.60	0.65	0.69	0.74	0.77
0.00	0.00	0.00	0.33	0.38	0.44	0.48	0.55	0.59	0.62	0.66	0.69

Rating:23W 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	0.73	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	0.69	0.60	0.54	0.44	0.38	0.33	0.27	0.22
	0.20		0.68	0.61	0.54	0.48	0.41	0.35	0.31	0.26	0.22
0.30	0.50	0.20	0.86	0.74	0.63	0.56	0.45	0.38	0.33	0.26	0.22
	0.30		0.74	0.65	0.56	0.50	0.42	0.36	0.31	0.25	0.21
	0.20		0.65	0.58	0.51	0.46	0.39	0.34	0.30	0.24	0.20
0.00	0.00	0.00	0.53	0.47	0.41	0.37	0.31	0.26	0.23	0.19	0.16

Rating:23W 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	0.32	0.33	0.34	0.35	0.35	0.35	0.36	0.36
	0.30		0.24	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33
	0.20		0.19	0.20	0.22	0.23	0.25	0.26	0.28	0.29	0.30
0.50	0.50	0.20	0.30	0.31	0.32	0.32	0.33	0.34	0.34	0.34	0.35
	0.30		0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32
	0.20		0.19	0.20	0.22	0.23	0.24	0.26	0.27	0.28	0.29
0.30	0.50	0.20	0.29	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.33
	0.30		0.23	0.24	0.25	0.26	0.28	0.29	0.29	0.30	0.31
	0.20		0.19	0.20	0.21	0.22	0.24	0.25	0.26	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:23W 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	134.0	0.1	0.1	0.02	0.02
1.0-2.0	133.9	0.4	0.5	0.07	0.09
2.0-3.0	133.9	0.6	1.2	0.12	0.21
3.0-4.0	133.8	0.9	2.0	0.16	0.38
4.0-5.0	133.6	1.1	3.2	0.21	0.59
5.0-6.0	133.5	1.4	4.6	0.26	0.85
6.0-7.0	133.3	1.7	6.3	0.30	1.15
7.0-8.0	133.1	1.9	8.2	0.35	1.50
8.0-9.0	132.8	2.2	10.3	0.40	1.90
9.0-10.0	132.5	2.4	12.7	0.44	2.34
10.0-11.0	132.2	2.6	15.4	0.49	2.83
11.0-12.0	131.9	2.9	18.2	0.53	3.36
12.0-13.0	131.5	3.1	21.4	0.57	3.93
13.0-14.0	131.1	3.4	24.7	0.62	4.55
14.0-15.0	130.7	3.6	28.3	0.66	5.21
15.0-16.0	130.1	3.8	32.1	0.70	5.92
16.0-17.0	129.6	4.0	36.2	0.74	6.66
17.0-18.0	129.0	4.3	40.4	0.78	7.44
18.0-19.0	128.4	4.5	44.9	0.82	8.27
19.0-20.0	127.8	4.7	49.6	0.86	9.13
20.0-21.0	127.1	4.9	54.4	0.90	10.03
21.0-22.0	126.3	5.1	59.5	0.94	10.96
22.0-23.0	125.6	5.3	64.8	0.97	11.93
23.0-24.0	124.7	5.5	70.2	1.00	12.94
24.0-25.0	123.9	5.6	75.9	1.04	13.97
25.0-26.0	123.0	5.8	81.7	1.07	15.04
26.0-27.0	122.0	6.0	87.6	1.10	16.14
27.0-28.0	121.0	6.1	93.8	1.13	17.27
28.0-29.0	120.0	6.3	100.1	1.16	18.43
29.0-30.0	119.0	6.4	106.5	1.18	19.61
30.0-31.0	117.9	6.6	113.0	1.21	20.82
31.0-32.0	116.7	6.7	119.7	1.23	22.05
32.0-33.0	115.6	6.8	126.5	1.25	23.31
33.0-34.0	114.4	6.9	133.5	1.27	24.58
34.0-35.0	113.1	7.0	140.5	1.29	25.87
35.0-36.0	111.9	7.1	147.6	1.31	27.19

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	110.6	7.2	154.8	1.33	28.51
37.0-38.0	109.2	7.3	162.1	1.34	29.86
38.0-39.0	107.8	7.4	169.5	1.36	31.21
39.0-40.0	106.4	7.4	176.9	1.37	32.58
40.0-41.0	105.0	7.5	184.4	1.38	33.96
41.0-42.0	103.6	7.5	191.9	1.39	35.34
42.0-43.0	102.1	7.6	199.5	1.39	36.74
43.0-44.0	100.6	7.6	207.0	1.40	38.14
44.0-45.0	99.0	7.6	214.7	1.40	39.54
45.0-46.0	97.4	7.6	222.3	1.40	40.94
46.0-47.0	95.8	7.6	229.9	1.40	42.34
47.0-48.0	94.2	7.6	237.5	1.40	43.75
48.0-49.0	92.6	7.6	245.1	1.40	45.15
49.0-50.0	90.9	7.6	252.7	1.40	46.55
50.0-51.0	89.2	7.6	260.3	1.39	47.94
51.0-52.0	87.5	7.5	267.8	1.38	49.32
52.0-53.0	85.8	7.5	275.2	1.38	50.69
53.0-54.0	84.1	7.4	282.6	1.36	52.06
54.0-55.0	82.3	7.3	290.0	1.35	53.41
55.0-56.0	80.5	7.3	297.3	1.34	54.75
56.0-57.0	78.7	7.2	304.5	1.33	56.08
57.0-58.0	76.9	7.1	311.6	1.31	57.39
58.0-59.0	75.1	7.0	318.6	1.29	58.68
59.0-60.0	73.2	6.9	325.5	1.27	59.95
60.0-61.0	71.3	6.8	332.3	1.25	61.21
61.0-62.0	69.5	6.7	339.0	1.23	62.44
62.0-63.0	67.6	6.6	345.6	1.21	63.65
63.0-64.0	65.7	6.4	352.0	1.19	64.84
64.0-65.0	63.8	6.3	358.3	1.16	66.00
65.0-66.0	61.9	6.2	364.5	1.14	67.14
66.0-67.0	59.9	6.0	370.5	1.11	68.25
67.0-68.0	58.0	5.9	376.4	1.08	69.33
68.0-69.0	56.0	5.7	382.1	1.05	70.38
69.0-70.0	54.1	5.6	387.7	1.02	71.41
70.0-71.0	52.1	5.4	393.1	0.99	72.40
71.0-72.0	50.1	5.2	398.3	0.96	73.36

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	48.2	5.0	403.3	0.93	74.29
73.0-74.0	46.2	4.9	408.2	0.89	75.18
74.0-75.0	44.3	4.7	412.9	0.86	76.04
75.0-76.0	42.3	4.5	417.3	0.83	76.87
76.0-77.0	40.3	4.3	421.6	0.79	77.66
77.0-78.0	38.3	4.1	425.7	0.76	78.42
78.0-79.0	36.4	3.9	429.7	0.72	79.14
79.0-80.0	34.5	3.7	433.4	0.68	79.82
80.0-81.0	32.6	3.5	436.9	0.65	80.47
81.0-82.0	30.8	3.3	440.2	0.61	81.09
82.0-83.0	29.1	3.2	443.4	0.58	81.67
83.0-84.0	27.5	3.0	446.4	0.55	82.22
84.0-85.0	26.2	2.9	449.3	0.53	82.75
85.0-86.0	24.9	2.7	452.0	0.50	83.25
86.0-87.0	23.8	2.6	454.6	0.48	83.73
87.0-88.0	22.8	2.5	457.1	0.46	84.19
88.0-89.0	21.8	2.4	459.5	0.44	84.63
89.0-90.0	20.9	2.3	461.8	0.42	85.05
90.0-91.0	20.0	2.2	464.0	0.40	85.45
91.0-92.0	19.3	2.1	466.1	0.39	85.84
92.0-93.0	18.7	2.0	468.1	0.38	86.22
93.0-94.0	18.3	2.0	470.1	0.37	86.59
94.0-95.0	18.0	2.0	472.1	0.36	86.95
95.0-96.0	17.7	1.9	474.0	0.36	87.31
96.0-97.0	17.6	1.9	475.9	0.35	87.66
97.0-98.0	17.4	1.9	477.8	0.35	88.01
98.0-99.0	17.3	1.9	479.7	0.35	88.35
99.0-100.0	17.2	1.9	481.6	0.34	88.70
100.0-101.0	17.1	1.8	483.4	0.34	89.04
101.0-102.0	17.0	1.8	485.2	0.34	89.37
102.0-103.0	16.9	1.8	487.0	0.33	89.70
103.0-104.0	16.7	1.8	488.8	0.33	90.03
104.0-105.0	16.6	1.8	490.6	0.33	90.36
105.0-106.0	16.5	1.7	492.3	0.32	90.68
106.0-107.0	16.4	1.7	494.0	0.32	91.00
107.0-108.0	16.3	1.7	495.7	0.31	91.31

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	16.1	1.7	497.4	0.31	91.62
109.0-110.0	16.0	1.7	499.1	0.30	91.92
110.0-111.0	15.8	1.6	500.7	0.30	92.22
111.0-112.0	15.7	1.6	502.3	0.29	92.52
112.0-113.0	15.5	1.6	503.9	0.29	92.81
113.0-114.0	15.3	1.5	505.4	0.28	93.09
114.0-115.0	15.1	1.5	506.9	0.28	93.37
115.0-116.0	14.9	1.5	508.4	0.27	93.64
116.0-117.0	14.8	1.4	509.9	0.27	93.91
117.0-118.0	14.6	1.4	511.3	0.26	94.17
118.0-119.0	14.4	1.4	512.7	0.26	94.42
119.0-120.0	14.2	1.4	514.0	0.25	94.67
120.0-121.0	14.0	1.3	515.3	0.24	94.92
121.0-122.0	13.8	1.3	516.6	0.24	95.15
122.0-123.0	13.5	1.3	517.9	0.23	95.38
123.0-124.0	13.3	1.2	519.1	0.22	95.61
124.0-125.0	13.1	1.2	520.3	0.22	95.83
125.0-126.0	12.8	1.1	521.4	0.21	96.04
126.0-127.0	12.5	1.1	522.5	0.20	96.24
127.0-128.0	12.3	1.1	523.6	0.20	96.44
128.0-129.0	12.1	1.0	524.6	0.19	96.63
129.0-130.0	11.9	1.0	525.6	0.19	96.81
130.0-131.0	11.7	1.0	526.6	0.18	96.99
131.0-132.0	11.5	0.9	527.6	0.17	97.17
132.0-133.0	11.3	0.9	528.5	0.17	97.34
133.0-134.0	11.1	0.9	529.4	0.16	97.50
134.0-135.0	10.9	0.9	530.2	0.16	97.66
135.0-136.0	10.7	0.8	531.0	0.15	97.81
136.0-137.0	10.5	0.8	531.8	0.15	97.96
137.0-138.0	10.2	0.8	532.6	0.14	98.09
138.0-139.0	10.0	0.7	533.3	0.13	98.23
139.0-140.0	9.7	0.7	534.0	0.13	98.36
140.0-141.0	9.5	0.7	534.7	0.12	98.48
141.0-142.0	9.1	0.6	535.3	0.11	98.59
142.0-143.0	8.8	0.6	535.9	0.11	98.70
143.0-144.0	8.6	0.6	536.4	0.10	98.80

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	8.3	0.5	537.0	0.10	98.90
145.0-146.0	8.1	0.5	537.5	0.09	98.99
146.0-147.0	7.8	0.5	537.9	0.09	99.08
147.0-148.0	7.5	0.4	538.4	0.08	99.16
148.0-149.0	7.2	0.4	538.8	0.08	99.24
149.0-150.0	7.0	0.4	539.2	0.07	99.31
150.0-151.0	6.7	0.4	539.5	0.07	99.37
151.0-152.0	6.4	0.3	539.9	0.06	99.44
152.0-153.0	6.1	0.3	540.2	0.06	99.49
153.0-154.0	5.8	0.3	540.5	0.05	99.55
154.0-155.0	5.6	0.3	540.7	0.05	99.59
155.0-156.0	5.3	0.2	541.0	0.04	99.64
156.0-157.0	5.0	0.2	541.2	0.04	99.68
157.0-158.0	4.8	0.2	541.4	0.04	99.71
158.0-159.0	4.6	0.2	541.6	0.03	99.75
159.0-160.0	4.4	0.2	541.7	0.03	99.78
160.0-161.0	4.2	0.2	541.9	0.03	99.81
161.0-162.0	4.0	0.1	542.0	0.03	99.83
162.0-163.0	3.8	0.1	542.2	0.02	99.86
163.0-164.0	3.6	0.1	542.3	0.02	99.88
164.0-165.0	3.4	0.1	542.4	0.02	99.90
165.0-166.0	3.2	0.1	542.5	0.02	99.91
166.0-167.0	3.1	0.1	542.5	0.01	99.93
167.0-168.0	2.9	0.1	542.6	0.01	99.94
168.0-169.0	2.8	0.1	542.7	0.01	99.95
169.0-170.0	2.7	0.1	542.7	0.01	99.96
170.0-171.0	2.6	0.0	542.8	0.01	99.97
171.0-172.0	2.4	0.0	542.8	0.01	99.98
172.0-173.0	2.3	0.0	542.8	0.01	99.98
173.0-174.0	2.3	0.0	542.9	0.01	99.99
174.0-175.0	2.2	0.0	542.9	0.00	99.99
175.0-176.0	2.0	0.0	542.9	0.00	99.99
176.0-177.0	2.0	0.0	542.9	0.00	100.00
177.0-178.0	1.9	0.0	542.9	0.00	100.00
178.0-179.0	1.8	0.0	542.9	0.00	100.00
179.0-180.0	1.8	0.0	542.9	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: