GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: 20231017 **Test Time: 2023/10/18 10:21**

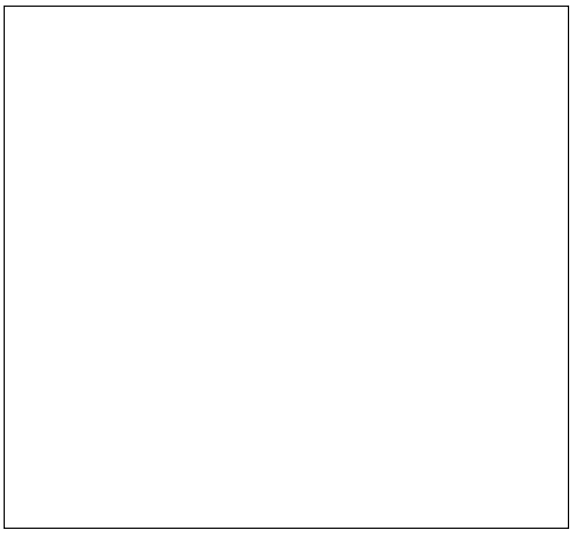
Luminaire Property

Luminaire Manufacturer: Acolyte
Luminaire Category: Pixel RibbonLyte
Luminaire Description: RGB-14.4W/M-WS2813A-60LED/M - Red only
Luminous Length (mm): 1000 **Luminous Width (mm): 10**
Luminous Height (mm): 4 **Voltage: 24.0 V**
Current: 0.309 A **Power: 7.42 W**
Power Factor: 1.000

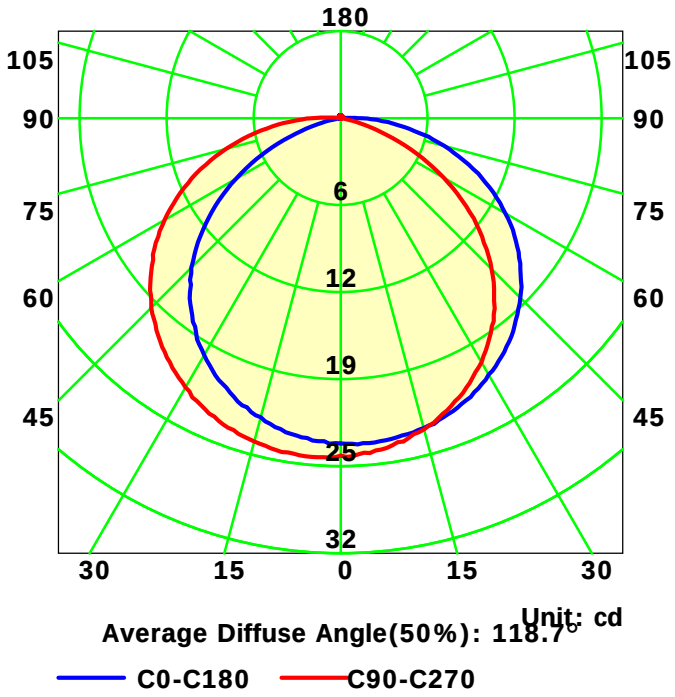
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 76.9 lm**
Measurement Flux: 76.9 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H161.2,H118.6
Vertical Diffuse Angle(10%,50%): V161.5,V118.8
Luminaire Efficacy Rating (LER): 10 **Central Intensity: 24.19 cd**
Max. Intensity: 25.47 cd **Pos of Max. Intensity: H330 V4**

Picture Of Luminaire

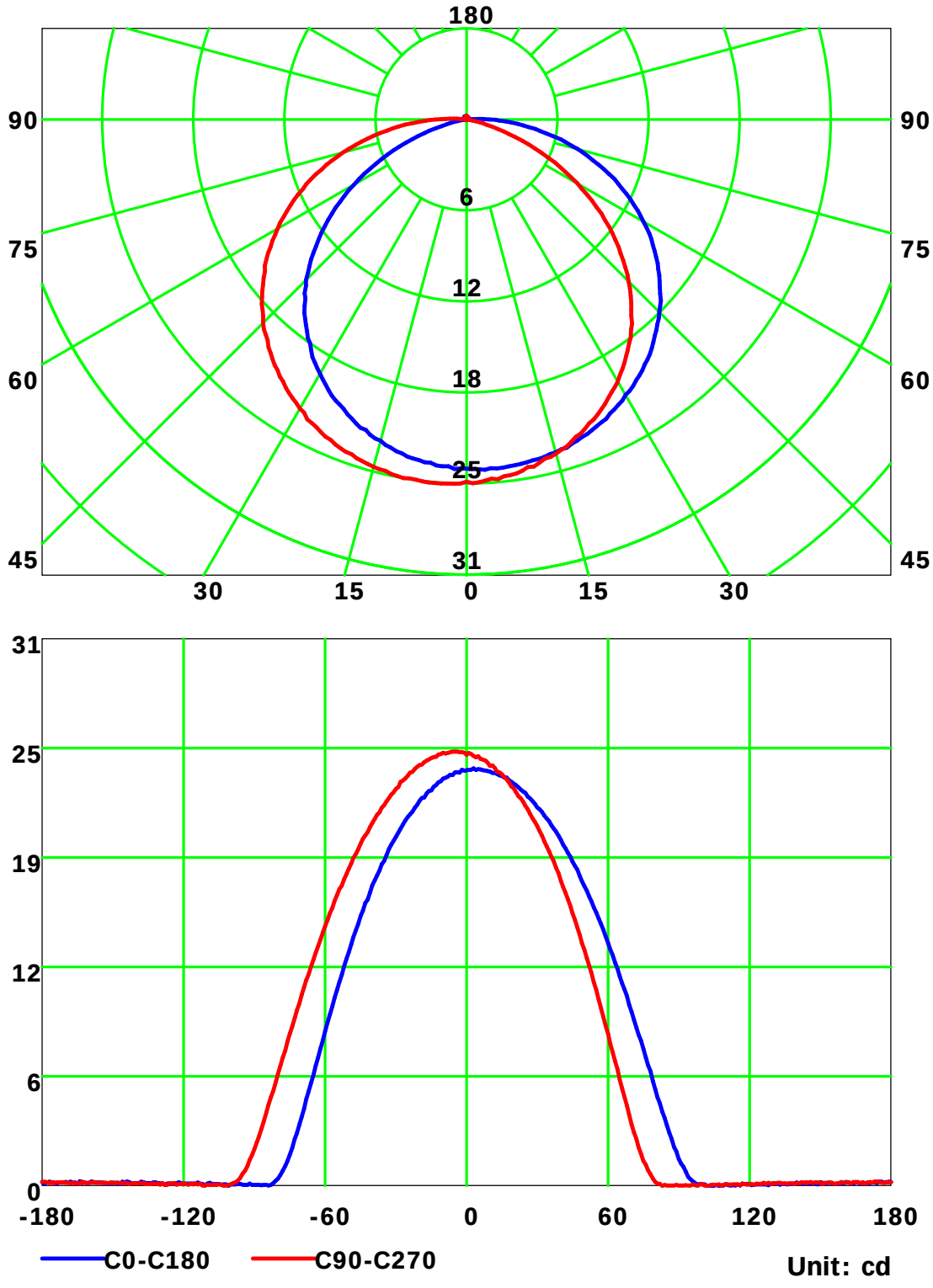


Luminous Intensity Distribution Curve



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:**

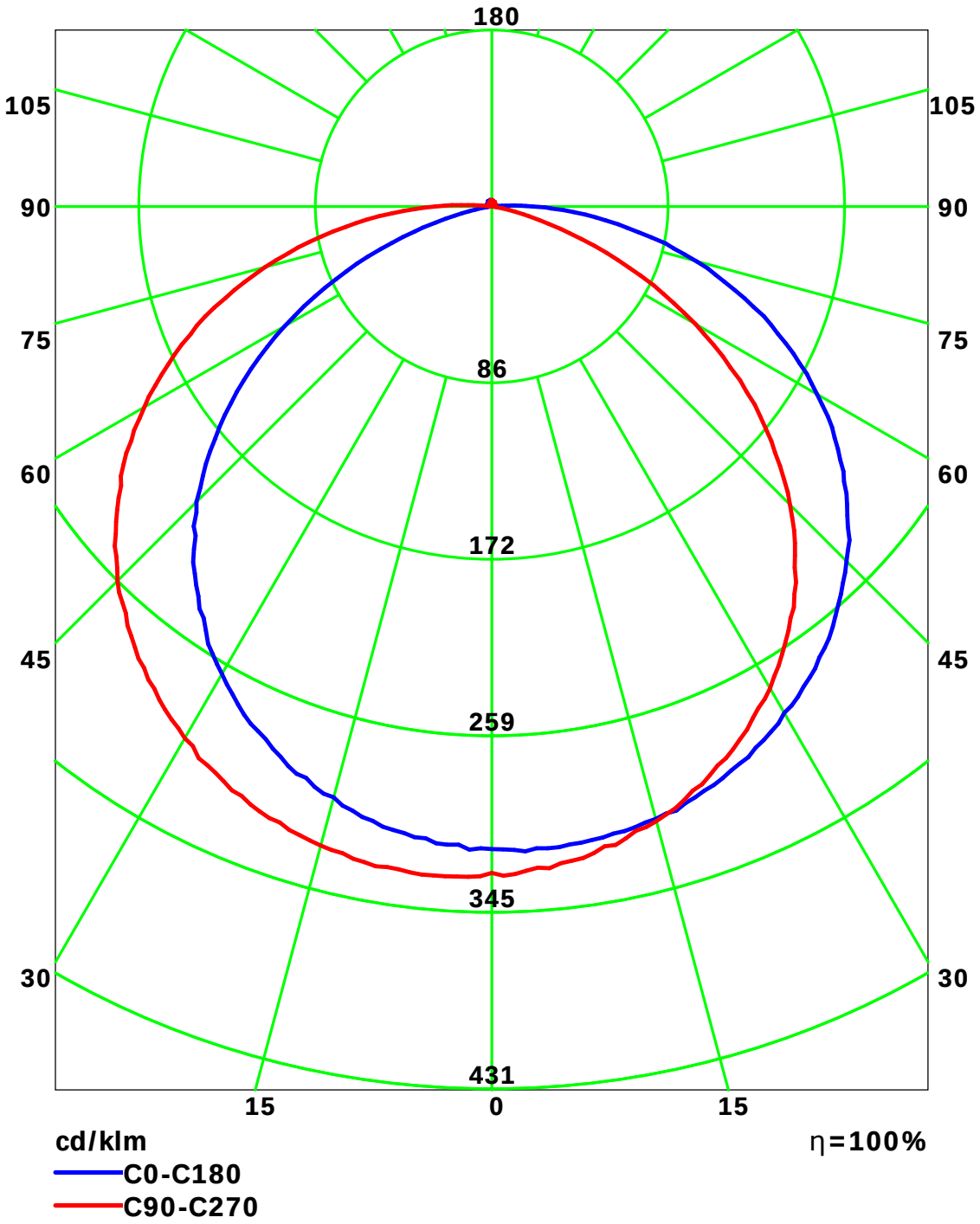
Luminous Intensity Distribution Curve



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

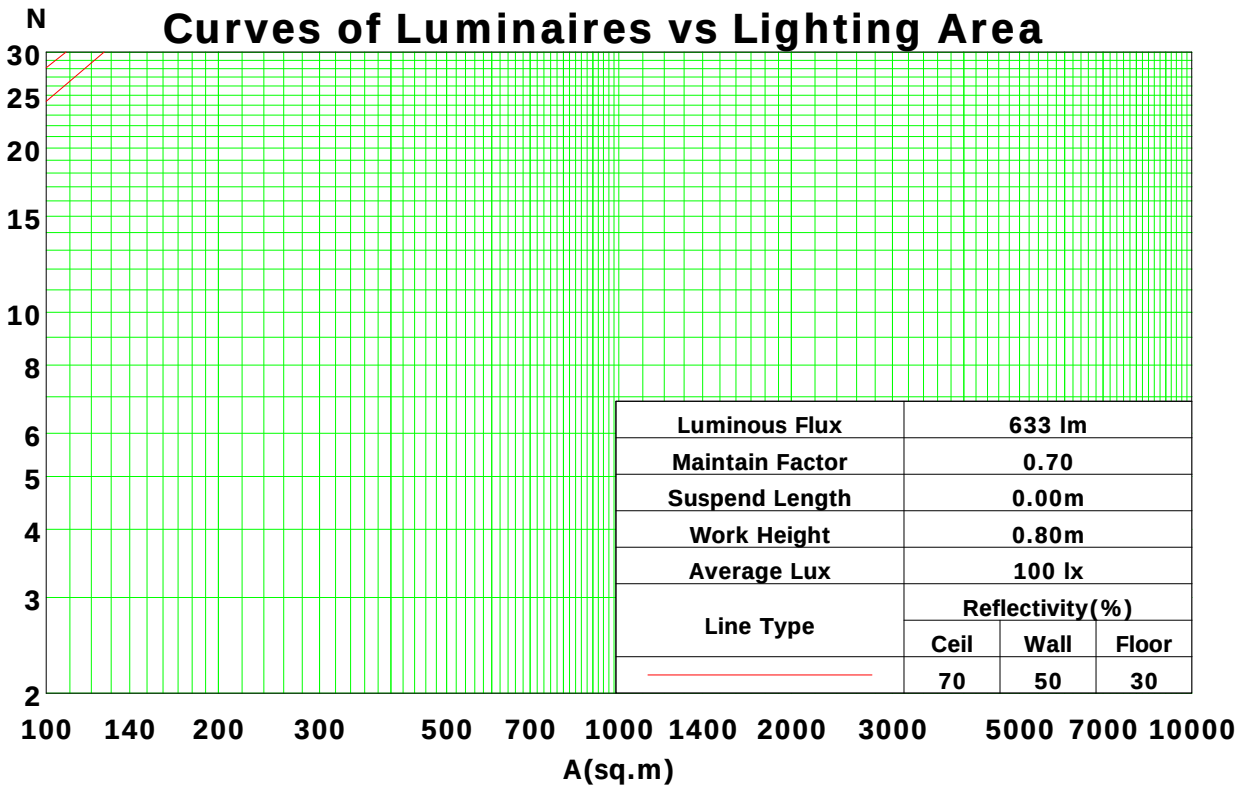
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	95	87	81	76	84	78	74	80	76	72	77	73	70	68
3	89	78	70	63	87	77	69	63	73	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

Spacing Criteria (0-180): 1.30
Spacing Criteria (90-270): 1.30
Spacing Criteria (Diagonal): 1.45

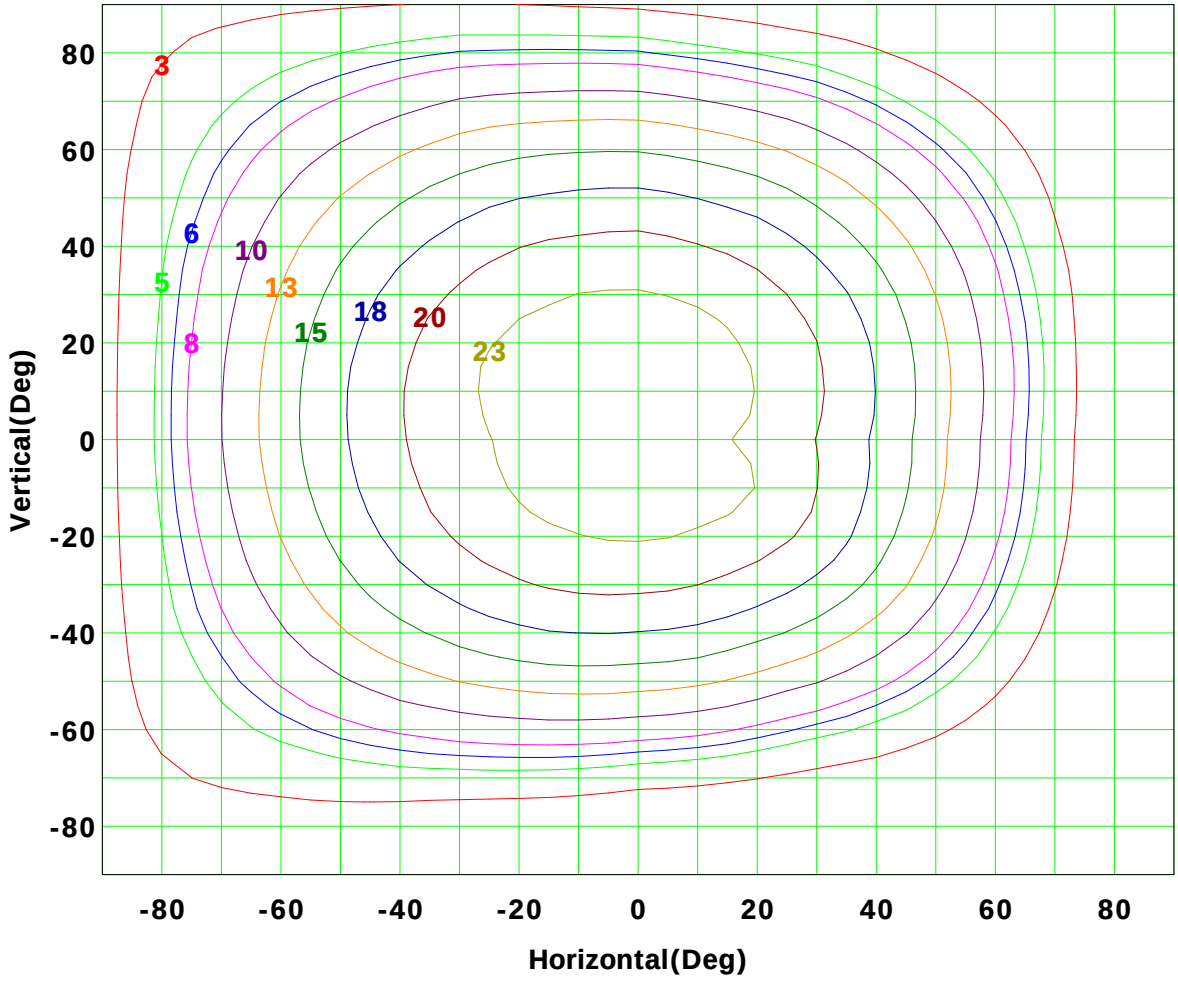
Curves of Luminaires vs Lighting Area



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)



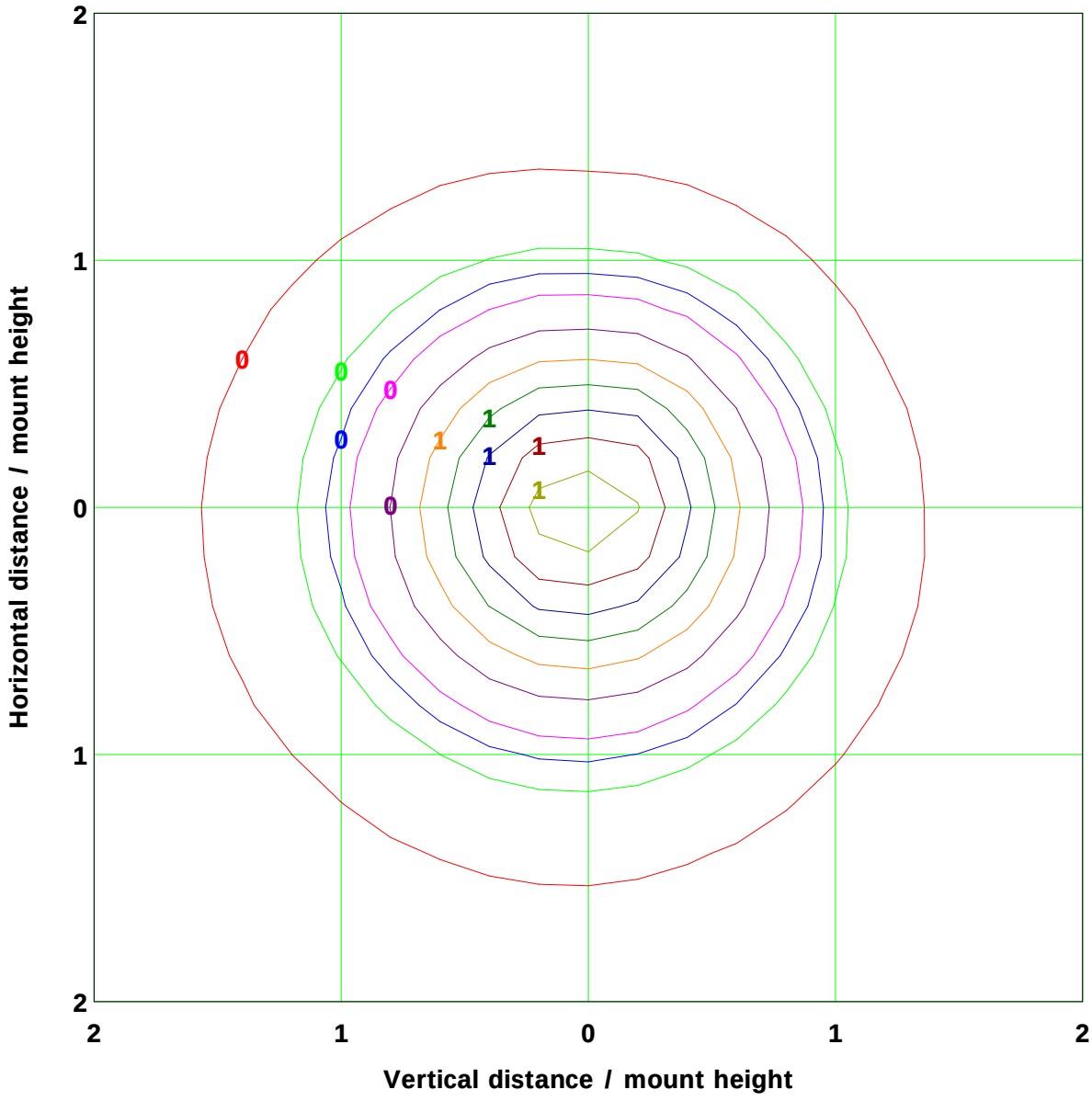
Imax (100%): 25 cd

(10%):	3 cd	(20%):	5 cd
(25%):	6 cd	(30%):	8 cd
(40%):	10 cd	(50%):	13 cd
(60%):	15 cd	(70%):	18 cd
(80%):	20 cd	(90%):	23 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

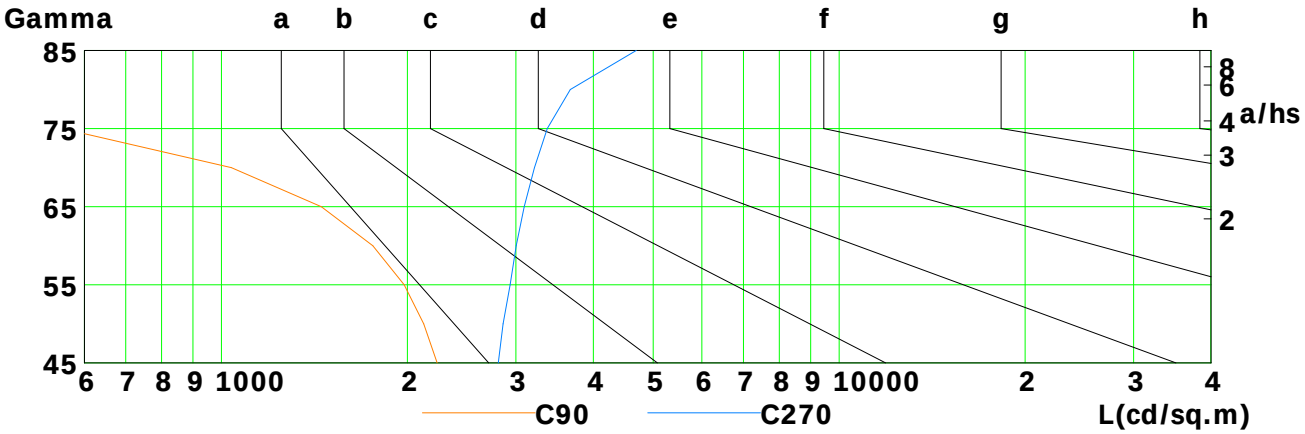
(10%): 0.1 lx	(20%): 0.2 lx
(25%): 0.3 lx	(30%): 0.3 lx
(40%): 0.4 lx	(50%): 0.5 lx
(60%): 0.6 lx	(70%): 0.7 lx
(80%): 0.8 lx	(90%): 0.9 lx

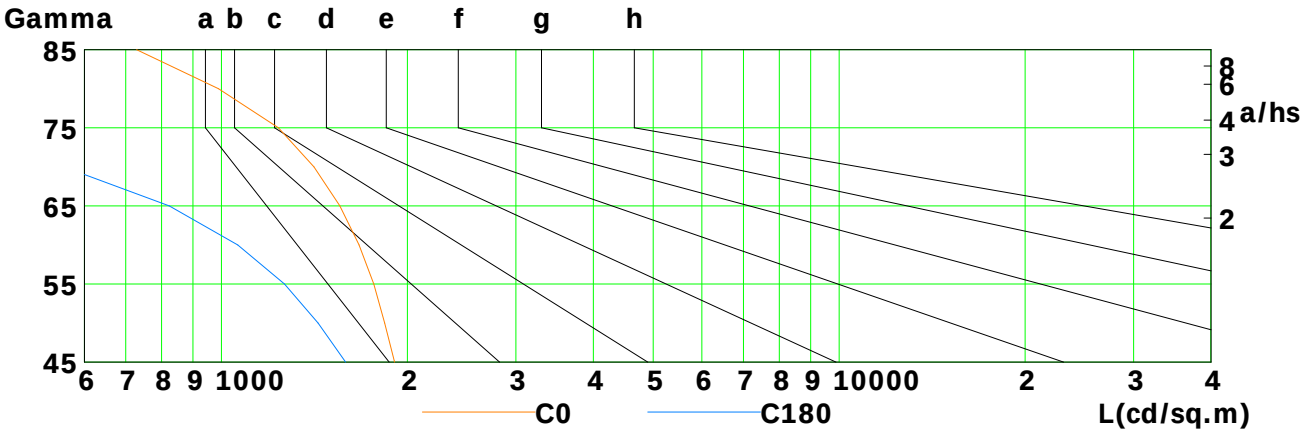
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Michael

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



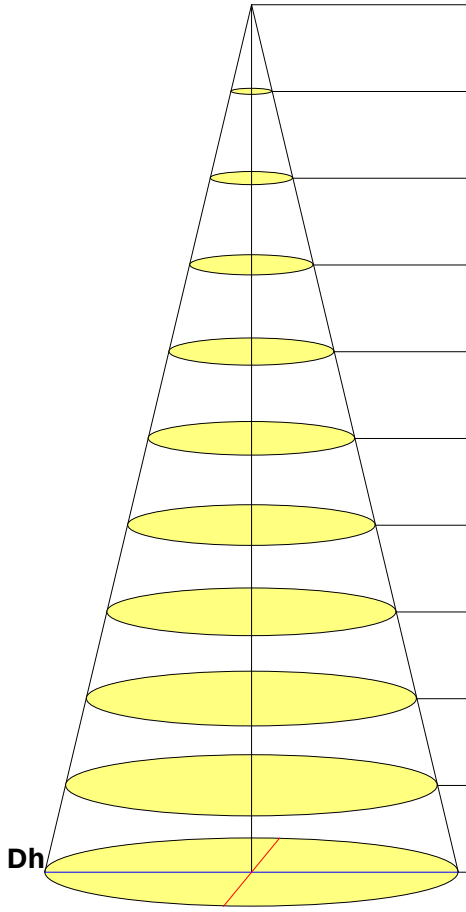


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1907	1838	1765	1671	1555	1412	1237	990	729
C90	2235	2127	1978	1760	1452	1038	552	124	33
C180	1589	1434	1265	1063	824	557	281	74	12
C270	2807	2858	2933	3001	3092	3213	3369	3671	4696

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



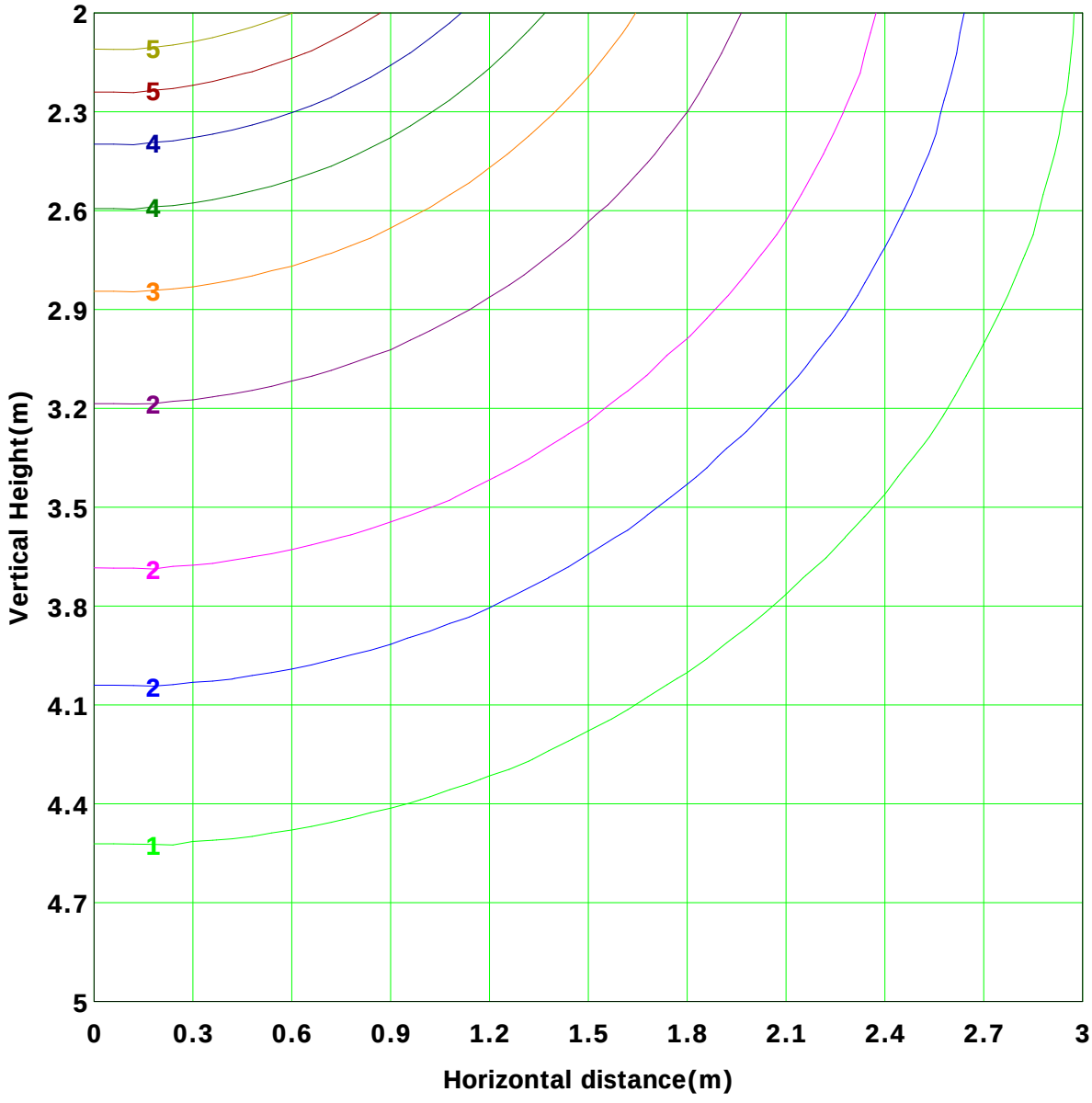
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	24.19	3.37/3.38	10.2	3.11
2.0	6.05	6.73/6.77	40.8	0.78
3.0	2.69	10.10/10.15	91.8	0.35
4.0	1.51	13.46/13.54	163.1	0.19
5.0	0.97	16.83/16.92	254.9	0.12
6.0	0.67	20.19/20.30	367.1	0.09
7.0	0.49	23.56/23.69	499.6	0.06
8.0	0.38	26.93/27.07	652.6	0.05
9.0	0.30	30.29/30.45	825.9	0.04
10.0	0.24	33.66/33.84	1019.7	0.03

Beam Angle(B): H118.6 V118.8 Field Angle(F): H161.2 V161.5

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:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 6.0 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%): 4.8 lx	(90%): 5.4 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

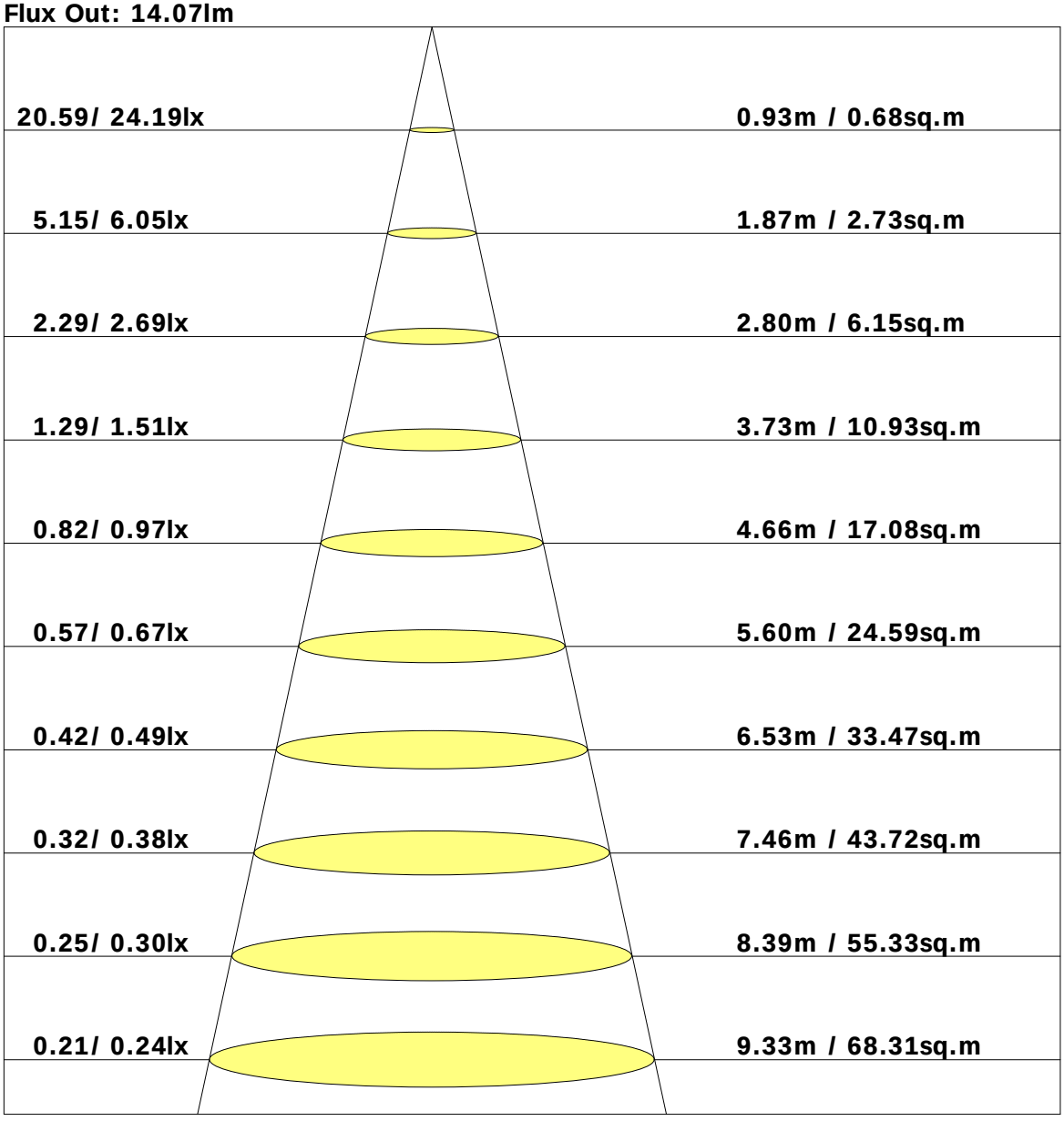
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
-70	0.0	0.0	0.0	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	0.1	0.0	0.0	0.0	0.7
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	2.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	3.5
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	5.2
-30	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	6.6
-20	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	7.8
-10	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.1	8.4
0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.1	8.6
10	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	8.2
20	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.1	7.4
30	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	6.1
40	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	4.7
50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	3.2
60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.8
70	0.0	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	0.0	0.7
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	0.0	0.1
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	0.0	0.0	
Flux(T)	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		
Flux(E)	0.0	0.1	0.7	2.0	3.5	5.2	6.6	7.8	8.4	8.6	8.2	7.4	6.1	4.7	3.2	1.8	0.7	0.1			

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: 14.07lm



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	24.5	26.1	24.8	26.4	26.8	21.0	22.6	21.3	22.9	23.3
3H	26.7	28.2	27.1	28.5	28.9	21.8	23.3	22.2	23.6	24.0
4H	27.6	29.0	28.1	29.4	29.8	21.8	23.2	22.3	23.6	24.0
6H	28.5	29.8	28.9	30.2	30.6	21.8	23.1	22.2	23.5	23.9
8H	28.8	30.1	29.3	30.5	30.9	21.8	23.0	22.2	23.4	23.9
12H	29.2	30.4	29.6	30.8	31.2	21.8	22.9	22.2	23.3	23.8
X=4H Y=2H	24.9	26.3	25.4	26.7	27.1	21.6	23.0	22.0	23.4	23.8
3H	27.4	28.5	27.8	29.0	29.4	22.5	23.7	23.0	24.1	24.6
4H	28.4	29.5	28.9	29.9	30.4	22.7	23.7	23.1	24.2	24.6
6H	29.4	30.3	29.9	30.8	31.3	22.7	23.6	23.1	24.1	24.5
8H	29.8	30.7	30.3	31.2	31.6	22.6	23.5	23.1	24.0	24.5
12H	30.2	31.0	30.7	31.5	32.0	22.6	23.4	23.1	23.9	24.4
X=8H Y=4H	28.6	29.5	29.1	30.0	30.5	22.9	23.8	23.4	24.3	24.8
6H	29.7	30.4	30.2	31.0	31.5	22.9	23.7	23.4	24.2	24.7
8H	30.2	30.9	30.7	31.4	31.9	22.9	23.6	23.4	24.1	24.6
12H	30.7	31.3	31.2	31.8	32.4	22.9	23.5	23.4	24.0	24.6
X=12H Y=4H	28.7	29.4	29.2	29.9	30.4	23.0	23.8	23.5	24.3	24.8
6H	29.8	30.4	30.3	30.9	31.5	23.0	23.7	23.5	24.1	24.7
8H	30.3	30.9	30.8	31.4	32.0	23.0	23.6	23.5	24.1	24.6

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: 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	0.59	0.67	0.75	0.80	0.87	0.92	0.95	1.00	1.03
	0.30		0.51	0.59	0.67	0.73	0.81	0.86	0.90	0.96	0.99
	0.20		0.45	0.53	0.62	0.67	0.76	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.57	0.65	0.72	0.77	0.84	0.88	0.91	0.96	0.98
	0.30		0.50	0.58	0.66	0.71	0.78	0.83	0.87	0.92	0.95
	0.20		0.45	0.53	0.61	0.66	0.74	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.55	0.63	0.70	0.74	0.81	0.85	0.88	0.92	0.94
	0.30		0.49	0.57	0.64	0.69	0.76	0.81	0.84	0.89	0.92
	0.20		0.45	0.52	0.60	0.65	0.72	0.77	0.81	0.86	0.90
0.00	0.00	0.00	0.42	0.50	0.57	0.62	0.69	0.73	0.77	0.82	0.85

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	0.96	0.82	0.69	0.60	0.48	0.40	0.35	0.27	0.22
	0.30		0.80	0.70	0.60	0.53	0.44	0.37	0.32	0.25	0.21
	0.20		0.69	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.93	0.79	0.66	0.58	0.46	0.42	0.33	0.26	0.21
	0.30		0.78	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20
	0.20		0.68	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.90	0.75	0.64	0.55	0.44	0.37	0.31	0.24	0.20
	0.30		0.77	0.66	0.57	0.50	0.41	0.34	0.30	0.23	0.19
	0.20		0.67	0.59	0.51	0.46	0.38	0.32	0.28	0.22	0.19
0.00	0.00	0.00	0.57	0.49	0.42	0.37	0.30	0.25	0.22	0.17	0.14

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	0.17	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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	24.9	0.0	0.0	0.03	0.03
1.0-2.0	25.0	0.1	0.1	0.09	0.12
2.0-3.0	24.9	0.1	0.2	0.16	0.28
3.0-4.0	24.9	0.2	0.4	0.22	0.50
4.0-5.0	24.9	0.2	0.6	0.28	0.77
5.0-6.0	24.9	0.3	0.9	0.34	1.11
6.0-7.0	24.8	0.3	1.2	0.40	1.52
7.0-8.0	24.8	0.4	1.5	0.46	1.98
8.0-9.0	24.7	0.4	1.9	0.52	2.50
9.0-10.0	24.7	0.4	2.4	0.58	3.08
10.0-11.0	24.6	0.5	2.9	0.64	3.72
11.0-12.0	24.5	0.5	3.4	0.70	4.41
12.0-13.0	24.4	0.6	4.0	0.75	5.17
13.0-14.0	24.3	0.6	4.6	0.81	5.98
14.0-15.0	24.2	0.7	5.3	0.87	6.84
15.0-16.0	24.1	0.7	6.0	0.92	7.76
16.0-17.0	24.0	0.7	6.7	0.97	8.74
17.0-18.0	23.9	0.8	7.5	1.03	9.76
18.0-19.0	23.8	0.8	8.3	1.08	10.84
19.0-20.0	23.7	0.9	9.2	1.13	11.96
20.0-21.0	23.5	0.9	10.1	1.17	13.14
21.0-22.0	23.4	0.9	11.0	1.22	14.36
22.0-23.0	23.2	1.0	12.0	1.27	15.63
23.0-24.0	23.1	1.0	13.0	1.31	16.94
24.0-25.0	22.9	1.0	14.1	1.35	18.29
25.0-26.0	22.7	1.1	15.1	1.39	19.69
26.0-27.0	22.5	1.1	16.2	1.43	21.12
27.0-28.0	22.4	1.1	17.4	1.47	22.59
28.0-29.0	22.1	1.2	18.5	1.51	24.10
29.0-30.0	21.9	1.2	19.7	1.54	25.64
30.0-31.0	21.7	1.2	20.9	1.57	27.21
31.0-32.0	21.5	1.2	22.2	1.60	28.82
32.0-33.0	21.3	1.3	23.4	1.63	30.45
33.0-34.0	21.1	1.3	24.7	1.66	32.11
34.0-35.0	20.8	1.3	26.0	1.68	33.79
35.0-36.0	20.6	1.3	27.3	1.70	35.49

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	20.3	1.3	28.6	1.72	37.21
37.0-38.0	20.1	1.3	30.0	1.74	38.95
38.0-39.0	19.8	1.4	31.3	1.76	40.71
39.0-40.0	19.5	1.4	32.7	1.77	42.48
40.0-41.0	19.2	1.4	34.0	1.78	44.25
41.0-42.0	18.9	1.4	35.4	1.78	46.04
42.0-43.0	18.6	1.4	36.8	1.79	47.83
43.0-44.0	18.3	1.4	38.2	1.79	49.62
44.0-45.0	18.0	1.4	39.5	1.80	51.42
45.0-46.0	17.6	1.4	40.9	1.79	53.21
46.0-47.0	17.3	1.4	42.3	1.79	55.00
47.0-48.0	16.9	1.4	43.7	1.78	56.78
48.0-49.0	16.6	1.4	45.0	1.77	58.55
49.0-50.0	16.2	1.4	46.4	1.76	60.30
50.0-51.0	15.8	1.3	47.7	1.74	62.04
51.0-52.0	15.4	1.3	49.0	1.72	63.76
52.0-53.0	15.1	1.3	50.3	1.70	65.47
53.0-54.0	14.7	1.3	51.6	1.68	67.15
54.0-55.0	14.3	1.3	52.9	1.66	68.80
55.0-56.0	13.9	1.3	54.2	1.63	70.43
56.0-57.0	13.4	1.2	55.4	1.60	72.03
57.0-58.0	13.0	1.2	56.6	1.57	73.60
58.0-59.0	12.6	1.2	57.8	1.53	75.13
59.0-60.0	12.1	1.1	58.9	1.49	76.62
60.0-61.0	11.7	1.1	60.0	1.45	78.07
61.0-62.0	11.3	1.1	61.1	1.41	79.48
62.0-63.0	10.8	1.1	62.2	1.37	80.85
63.0-64.0	10.3	1.0	63.2	1.32	82.17
64.0-65.0	9.9	1.0	64.2	1.27	83.44
65.0-66.0	9.4	0.9	65.1	1.22	84.66
66.0-67.0	9.0	0.9	66.0	1.17	85.83
67.0-68.0	8.5	0.9	66.9	1.12	86.95
68.0-69.0	8.0	0.8	67.7	1.07	88.02
69.0-70.0	7.6	0.8	68.5	1.01	89.03
70.0-71.0	7.1	0.7	69.2	0.95	89.98
71.0-72.0	6.6	0.7	69.9	0.90	90.88

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	6.2	0.6	70.5	0.84	91.72
73.0-74.0	5.7	0.6	71.1	0.78	92.50
74.0-75.0	5.3	0.6	71.7	0.73	93.23
75.0-76.0	4.9	0.5	72.2	0.67	93.90
76.0-77.0	4.5	0.5	72.7	0.62	94.52
77.0-78.0	4.1	0.4	73.1	0.57	95.08
78.0-79.0	3.7	0.4	73.5	0.52	95.60
79.0-80.0	3.3	0.4	73.9	0.47	96.07
80.0-81.0	3.0	0.3	74.2	0.42	96.50
81.0-82.0	2.7	0.3	74.5	0.38	96.88
82.0-83.0	2.4	0.3	74.8	0.34	97.22
83.0-84.0	2.2	0.2	75.0	0.30	97.53
84.0-85.0	1.9	0.2	75.2	0.27	97.80
85.0-86.0	1.7	0.2	75.4	0.24	98.04
86.0-87.0	1.4	0.2	75.6	0.21	98.25
87.0-88.0	1.2	0.1	75.7	0.18	98.42
88.0-89.0	1.1	0.1	75.8	0.15	98.57
89.0-90.0	0.9	0.1	75.9	0.13	98.70
90.0-91.0	0.7	0.1	76.0	0.11	98.81
91.0-92.0	0.6	0.1	76.1	0.09	98.90
92.0-93.0	0.5	0.1	76.1	0.07	98.97
93.0-94.0	0.4	0.0	76.2	0.06	99.03
94.0-95.0	0.3	0.0	76.2	0.04	99.07
95.0-96.0	0.2	0.0	76.2	0.03	99.11
96.0-97.0	0.2	0.0	76.2	0.03	99.13
97.0-98.0	0.1	0.0	76.2	0.02	99.15
98.0-99.0	0.1	0.0	76.3	0.02	99.17
99.0-100.0	0.1	0.0	76.3	0.01	99.18
100.0-101.0	0.1	0.0	76.3	0.01	99.19
101.0-102.0	0.1	0.0	76.3	0.01	99.20
102.0-103.0	0.1	0.0	76.3	0.01	99.21
103.0-104.0	0.0	0.0	76.3	0.01	99.21
104.0-105.0	0.0	0.0	76.3	0.01	99.22
105.0-106.0	0.1	0.0	76.3	0.01	99.23
106.0-107.0	0.1	0.0	76.3	0.01	99.23
107.0-108.0	0.1	0.0	76.3	0.01	99.24

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	0.1	0.0	76.3	0.01	99.25
109.0-110.0	0.1	0.0	76.3	0.01	99.26
110.0-111.0	0.1	0.0	76.3	0.01	99.27
111.0-112.0	0.1	0.0	76.3	0.01	99.28
112.0-113.0	0.1	0.0	76.4	0.01	99.29
113.0-114.0	0.1	0.0	76.4	0.01	99.31
114.0-115.0	0.1	0.0	76.4	0.01	99.32
115.0-116.0	0.1	0.0	76.4	0.01	99.33
116.0-117.0	0.1	0.0	76.4	0.01	99.34
117.0-118.0	0.1	0.0	76.4	0.01	99.35
118.0-119.0	0.1	0.0	76.4	0.01	99.37
119.0-120.0	0.1	0.0	76.4	0.01	99.38
120.0-121.0	0.1	0.0	76.4	0.01	99.39
121.0-122.0	0.1	0.0	76.4	0.01	99.41
122.0-123.0	0.1	0.0	76.5	0.01	99.42
123.0-124.0	0.1	0.0	76.5	0.01	99.43
124.0-125.0	0.1	0.0	76.5	0.01	99.45
125.0-126.0	0.1	0.0	76.5	0.01	99.46
126.0-127.0	0.1	0.0	76.5	0.01	99.47
127.0-128.0	0.1	0.0	76.5	0.01	99.49
128.0-129.0	0.1	0.0	76.5	0.01	99.50
129.0-130.0	0.1	0.0	76.5	0.01	99.52
130.0-131.0	0.1	0.0	76.5	0.01	99.53
131.0-132.0	0.1	0.0	76.5	0.01	99.54
132.0-133.0	0.1	0.0	76.6	0.02	99.56
133.0-134.0	0.1	0.0	76.6	0.01	99.57
134.0-135.0	0.1	0.0	76.6	0.01	99.59
135.0-136.0	0.1	0.0	76.6	0.01	99.60
136.0-137.0	0.1	0.0	76.6	0.01	99.61
137.0-138.0	0.2	0.0	76.6	0.02	99.63
138.0-139.0	0.2	0.0	76.6	0.02	99.64
139.0-140.0	0.2	0.0	76.6	0.02	99.66
140.0-141.0	0.2	0.0	76.7	0.01	99.67
141.0-142.0	0.2	0.0	76.7	0.01	99.69
142.0-143.0	0.2	0.0	76.7	0.01	99.70
143.0-144.0	0.2	0.0	76.7	0.01	99.72

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	0.2	0.0	76.7	0.01	99.73
145.0-146.0	0.2	0.0	76.7	0.01	99.74
146.0-147.0	0.2	0.0	76.7	0.01	99.76
147.0-148.0	0.2	0.0	76.7	0.01	99.77
148.0-149.0	0.2	0.0	76.7	0.01	99.78
149.0-150.0	0.2	0.0	76.7	0.01	99.80
150.0-151.0	0.2	0.0	76.8	0.01	99.81
151.0-152.0	0.2	0.0	76.8	0.01	99.82
152.0-153.0	0.2	0.0	76.8	0.01	99.83
153.0-154.0	0.2	0.0	76.8	0.01	99.85
154.0-155.0	0.2	0.0	76.8	0.01	99.86
155.0-156.0	0.2	0.0	76.8	0.01	99.87
156.0-157.0	0.2	0.0	76.8	0.01	99.88
157.0-158.0	0.2	0.0	76.8	0.01	99.89
158.0-159.0	0.2	0.0	76.8	0.01	99.90
159.0-160.0	0.2	0.0	76.8	0.01	99.90
160.0-161.0	0.2	0.0	76.8	0.01	99.91
161.0-162.0	0.2	0.0	76.8	0.01	99.92
162.0-163.0	0.2	0.0	76.8	0.01	99.93
163.0-164.0	0.2	0.0	76.9	0.01	99.94
164.0-165.0	0.2	0.0	76.9	0.01	99.94
165.0-166.0	0.2	0.0	76.9	0.01	99.95
166.0-167.0	0.2	0.0	76.9	0.01	99.96
167.0-168.0	0.2	0.0	76.9	0.01	99.96
168.0-169.0	0.2	0.0	76.9	0.01	99.97
169.0-170.0	0.2	0.0	76.9	0.01	99.97
170.0-171.0	0.2	0.0	76.9	0.00	99.98
171.0-172.0	0.2	0.0	76.9	0.00	99.98
172.0-173.0	0.2	0.0	76.9	0.00	99.99
173.0-174.0	0.2	0.0	76.9	0.00	99.99
174.0-175.0	0.2	0.0	76.9	0.00	99.99
175.0-176.0	0.2	0.0	76.9	0.00	100.00
176.0-177.0	0.2	0.0	76.9	0.00	100.00
177.0-178.0	0.2	0.0	76.9	0.00	100.00
178.0-179.0	0.2	0.0	76.9	0.00	100.00
179.0-180.0	0.2	0.0	76.9	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: