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

Report No.: 20231017 **Test Time: 2023/10/20 15:34**

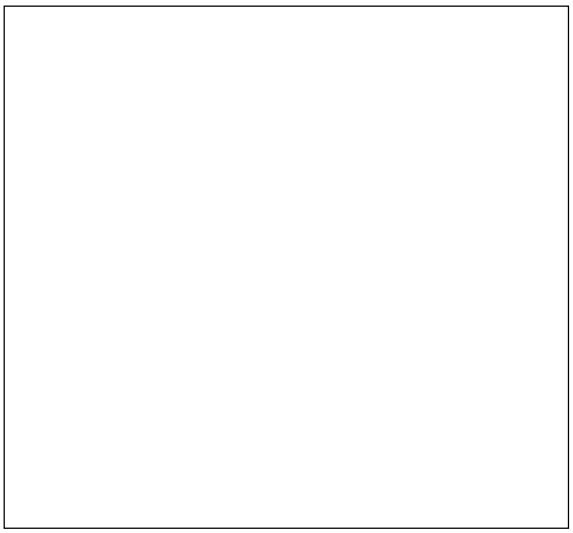
Luminaire Property

Luminaire Manufacturer: Acolyte
Luminaire Category: Flexible Backlyte Adderssable
Luminaire Description: FBLADD122024RGB - Blue only
Luminous Length (mm): 480 **Luminous Width (mm): 320**
Luminous Height (mm): 2 **Voltage: 12.0 V**
Current: 1.992 A **Power: 23.90 W**
Power Factor: 1.000

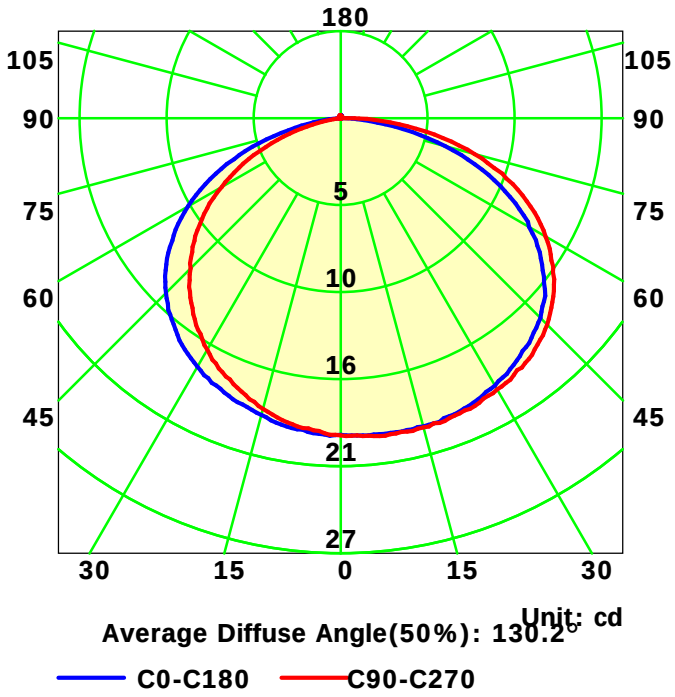
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 70.0 lm**
Measurement Flux: 70 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H164,H131.7
Vertical Diffuse Angle(10%,50%): V163.8,V128.7
Luminaire Efficacy Rating (LER): 3 **Central Intensity: 19.95 cd**
Max. Intensity: 20.54 cd **Pos of Max. Intensity: H30 V17**

Picture Of Luminaire

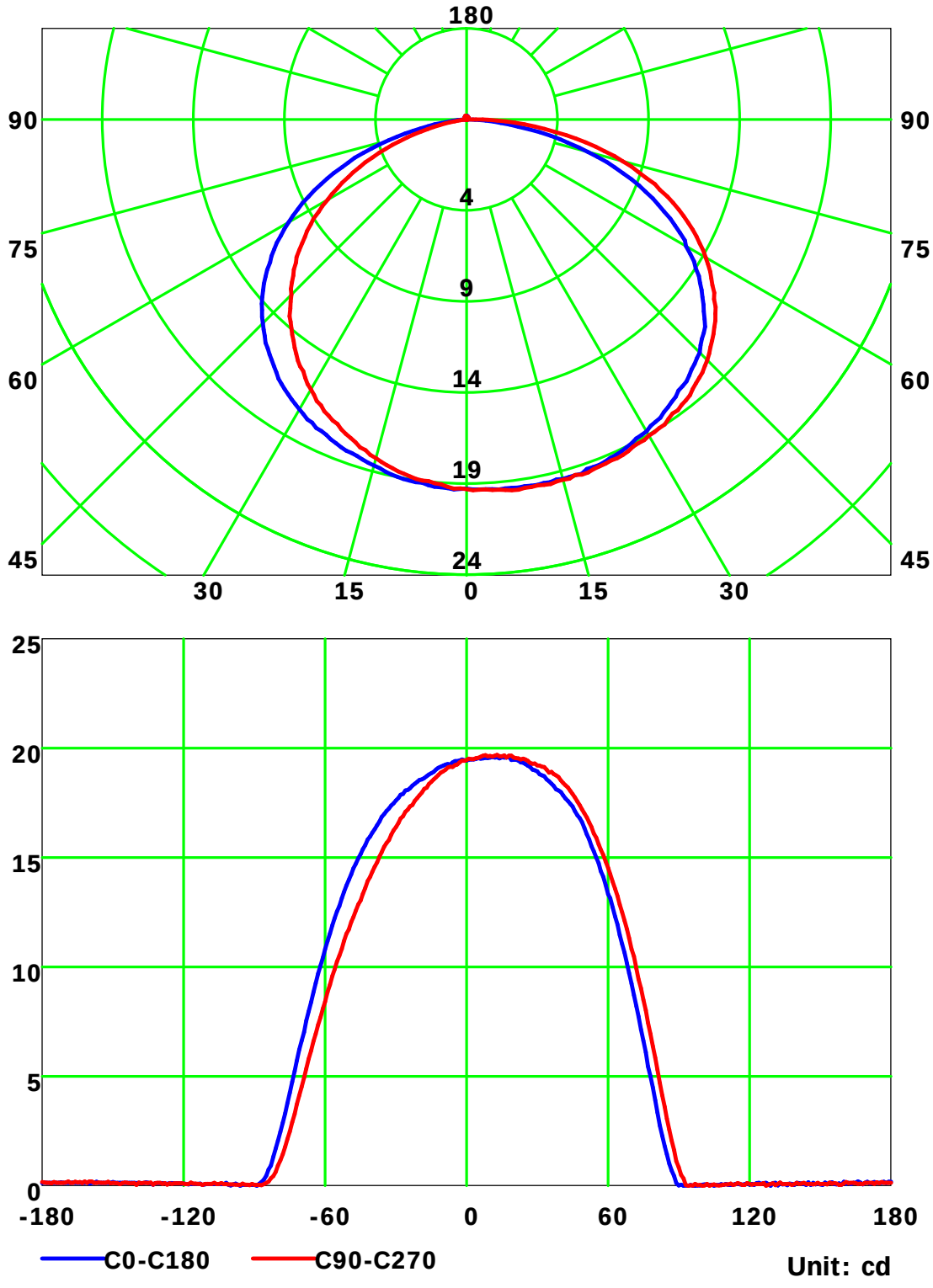


Luminous Intensity Distribution Curve



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:**

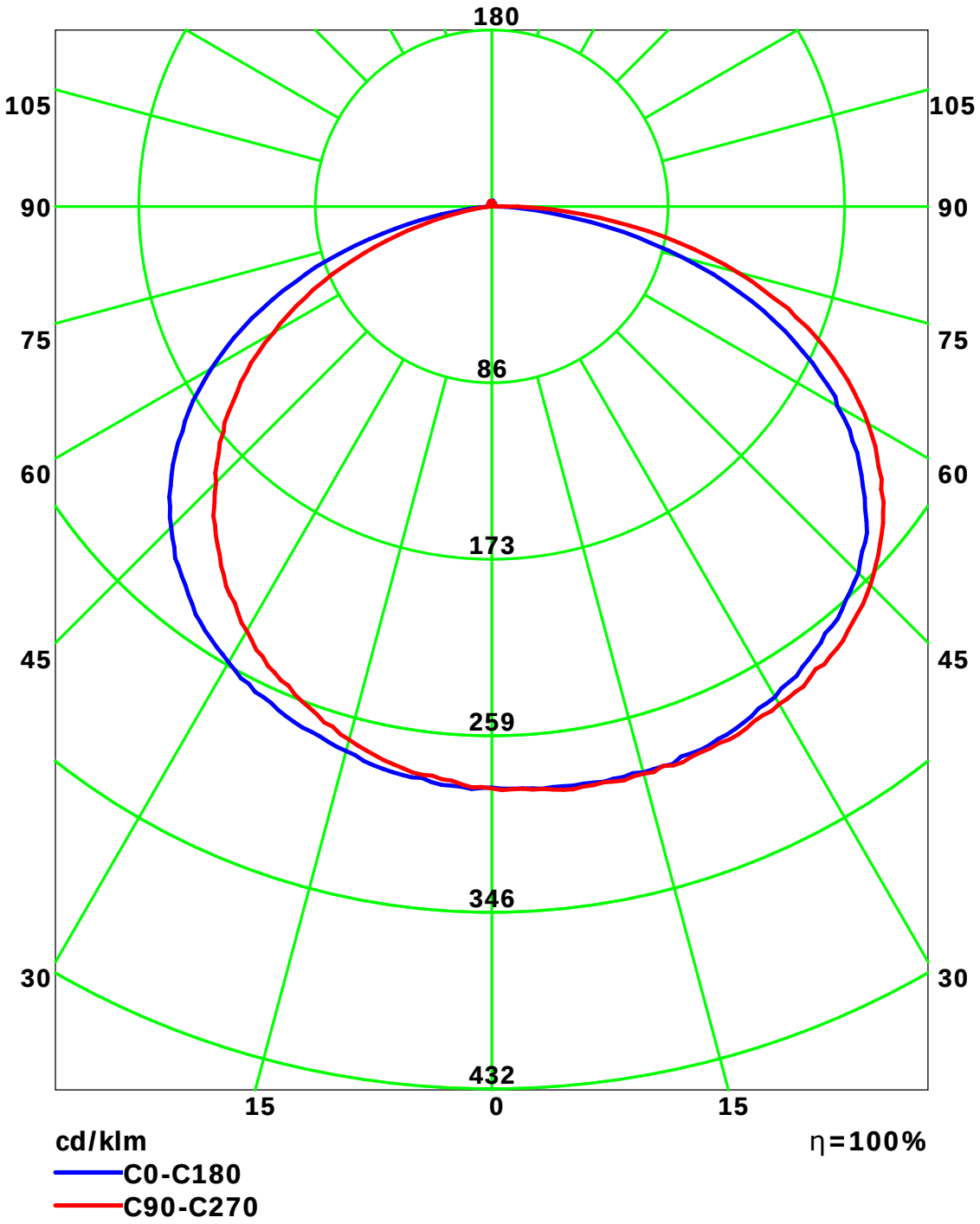
Luminous Intensity Distribution Curve



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

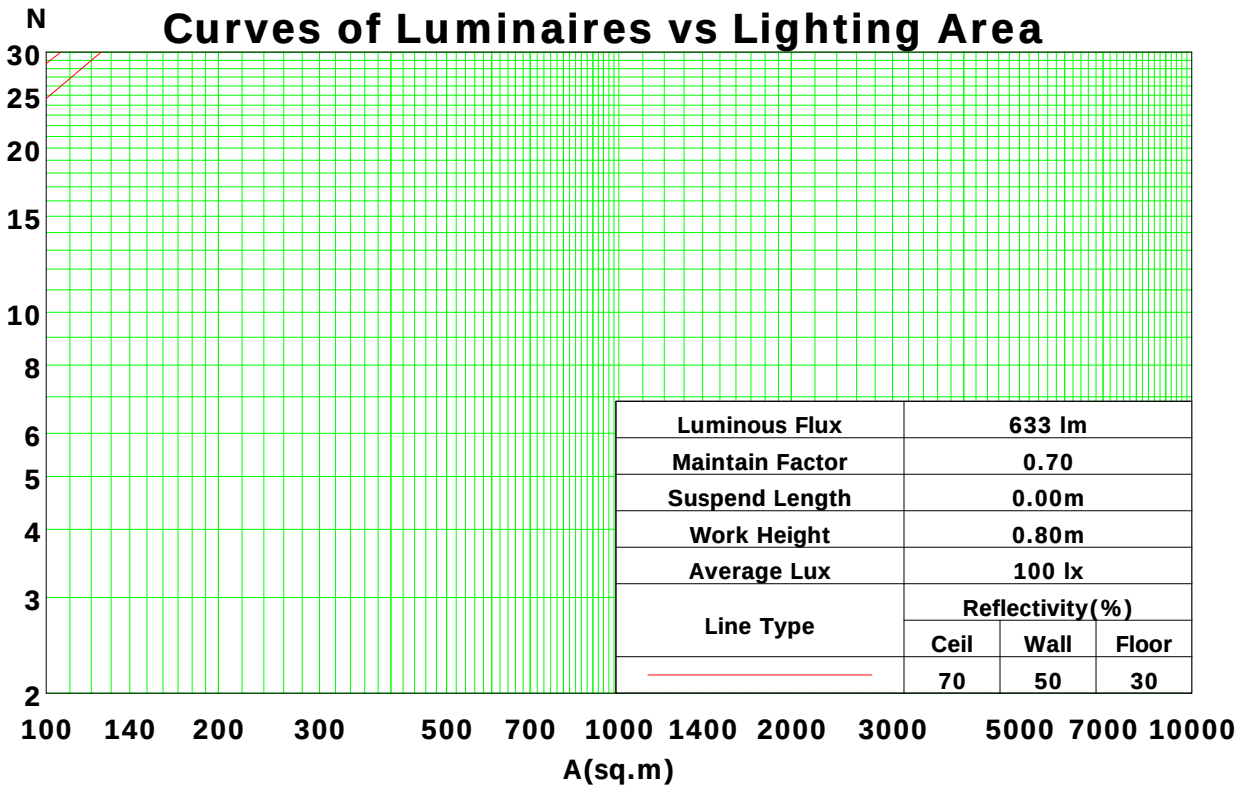
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	111	111	111	106	106	106	101	101	101	99
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	89	81	75	95	87	80	74	83	77	72	79	75	70	76	72	69	66
3	88	77	68	62	86	75	67	61	72	65	60	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	25	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	27	23	21

Spacing Criteria (0-180): 1.40
Spacing Criteria (90-270): 1.37
Spacing Criteria (Diagonal): 1.51

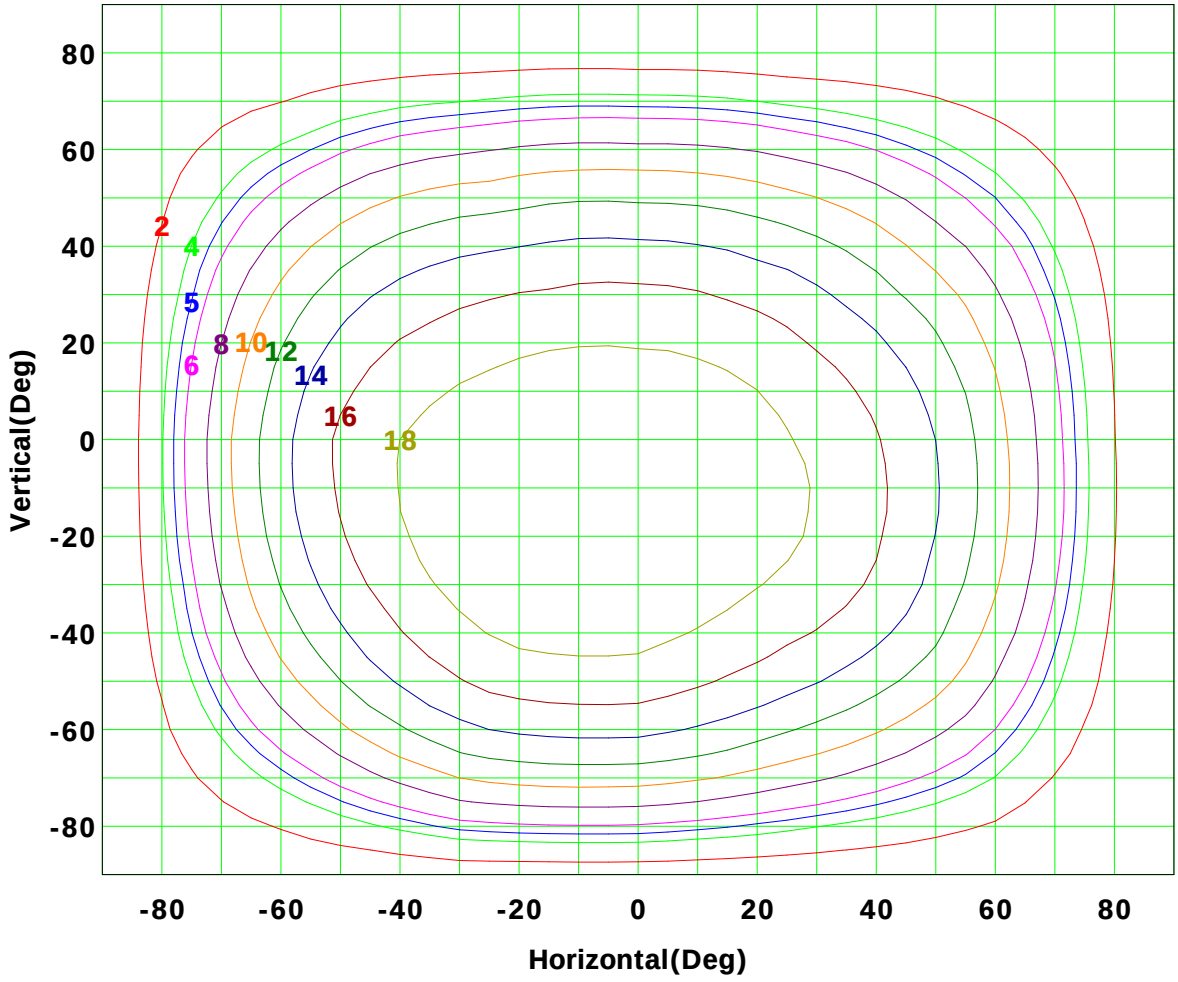
Curves of Luminaires vs Lighting Area



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)



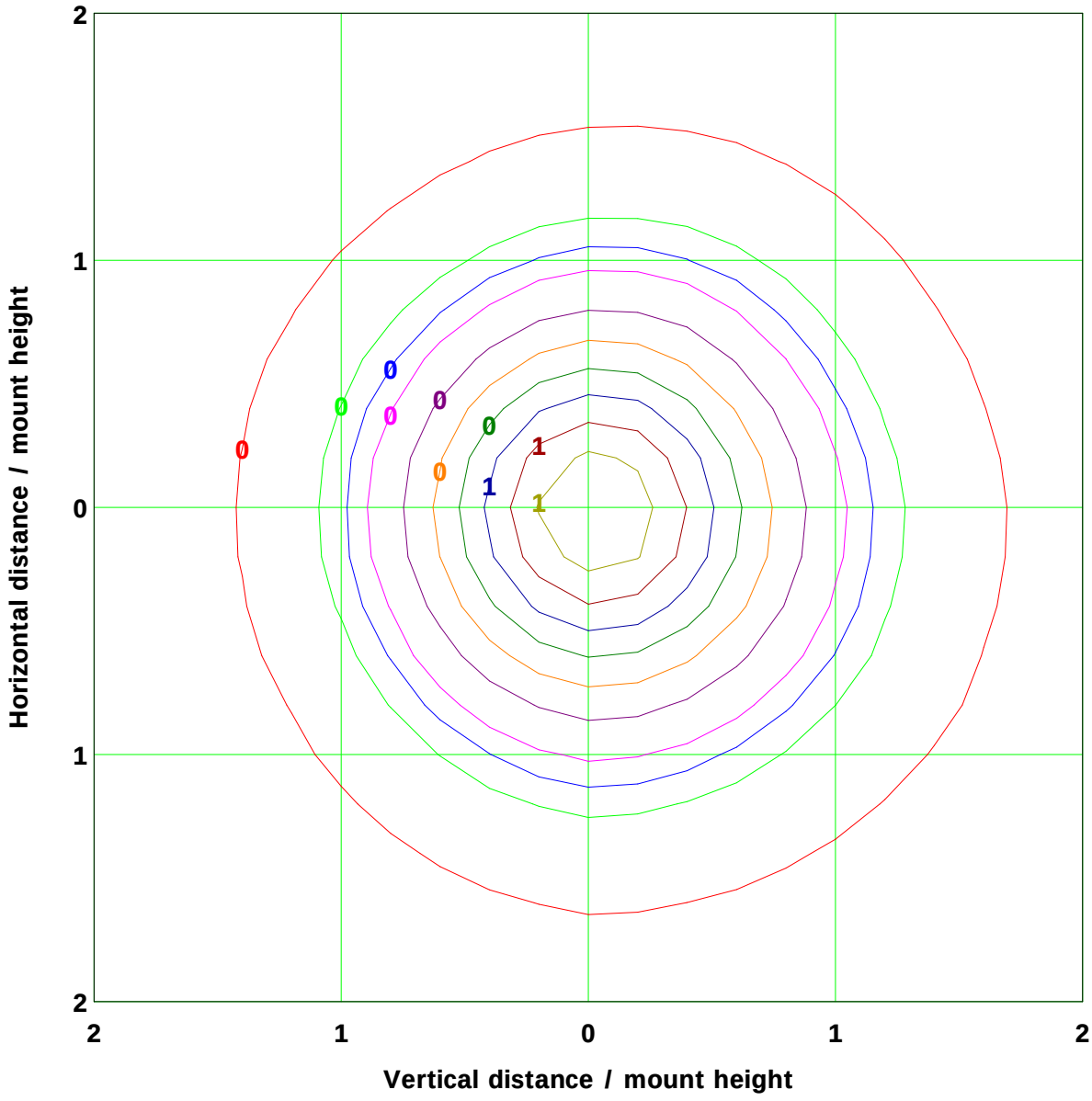
Imax (100%): 21 cd

(10%):	2 cd	(20%):	4 cd
(25%):	5 cd	(30%):	6 cd
(40%):	8 cd	(50%):	10 cd
(60%):	12 cd	(70%):	14 cd
(80%):	16 cd	(90%):	18 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%): 0.8 lx

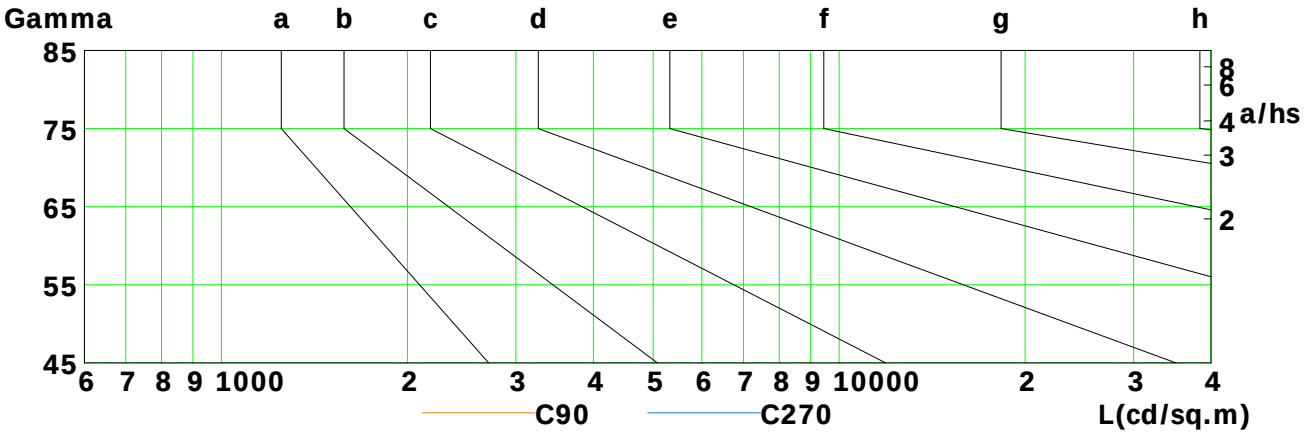
(10%): 0.1 lx	(20%): 0.2 lx
(25%): 0.2 lx	(30%): 0.2 lx
(40%): 0.3 lx	(50%): 0.4 lx
(60%): 0.5 lx	(70%): 0.6 lx
(80%): 0.6 lx	(90%): 0.7 lx

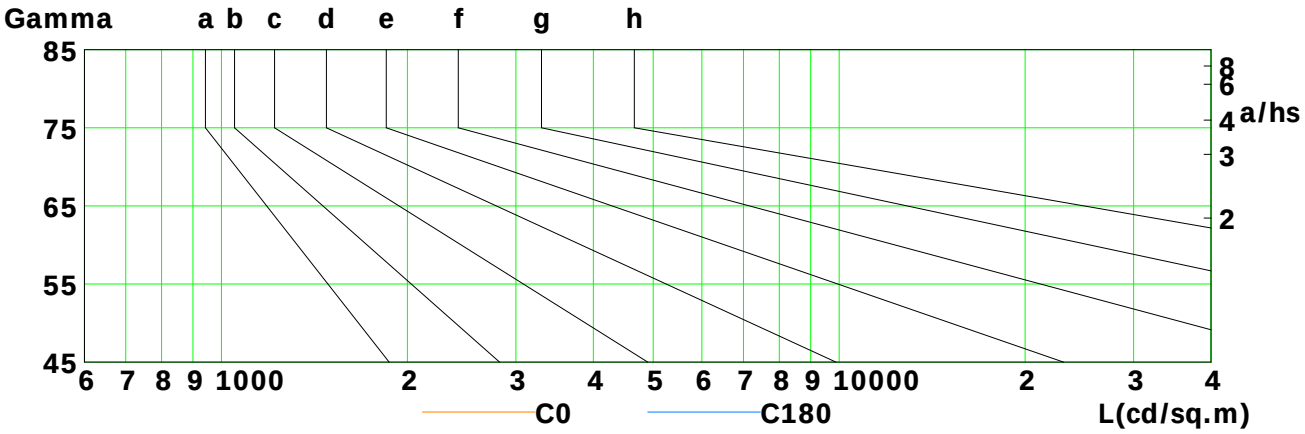
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Michael

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



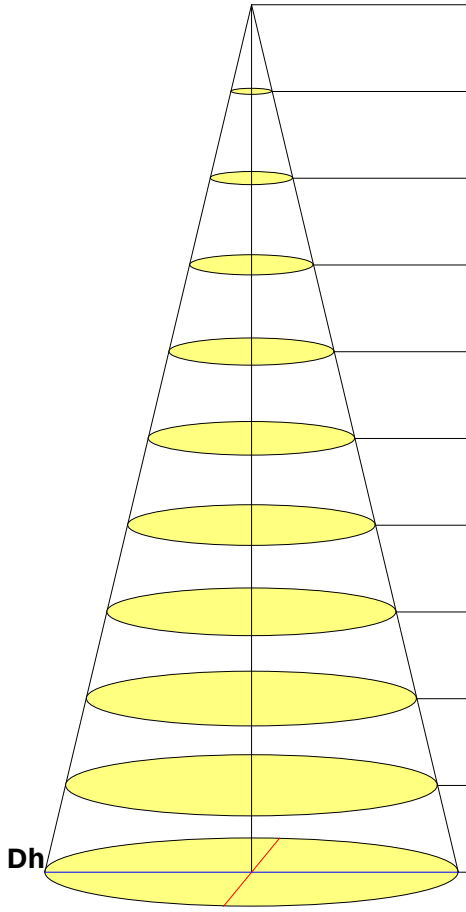


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	163	169	173	176	179	178	167	145	104
C90	169	176	184	193	202	209	216	220	225
C180	142	144	145	143	138	127	107	77	34
C270	123	121	119	112	104	88	63	35	11

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



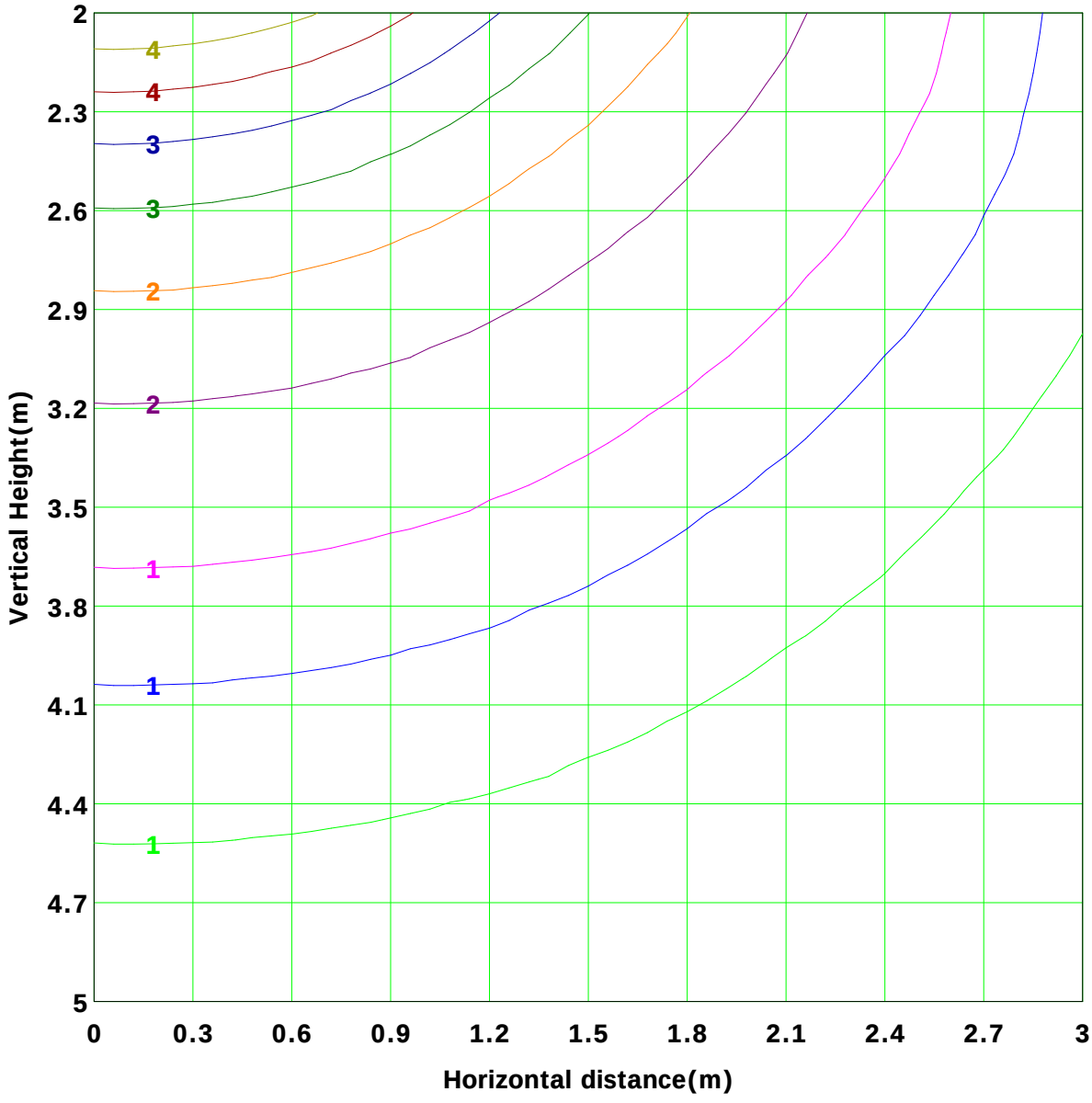
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	19.95	4.46/4.17	16.9	1.73
2.0	4.99	8.92/8.33	67.7	0.43
3.0	2.22	13.37/12.50	152.2	0.19
4.0	1.25	17.83/16.66	270.7	0.11
5.0	0.80	22.29/20.83	422.9	0.07
6.0	0.55	26.75/25.00	609.0	0.05
7.0	0.41	31.20/29.16	828.9	0.04
8.0	0.31	35.66/33.33	1082.6	0.03
9.0	0.25	40.12/37.49	1370.2	0.02
10.0	0.20	44.58/41.66	1691.6	0.02

Beam Angle(B): H131.7 V128.7 Field Angle(F): H164.0 V163.8

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: 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: 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

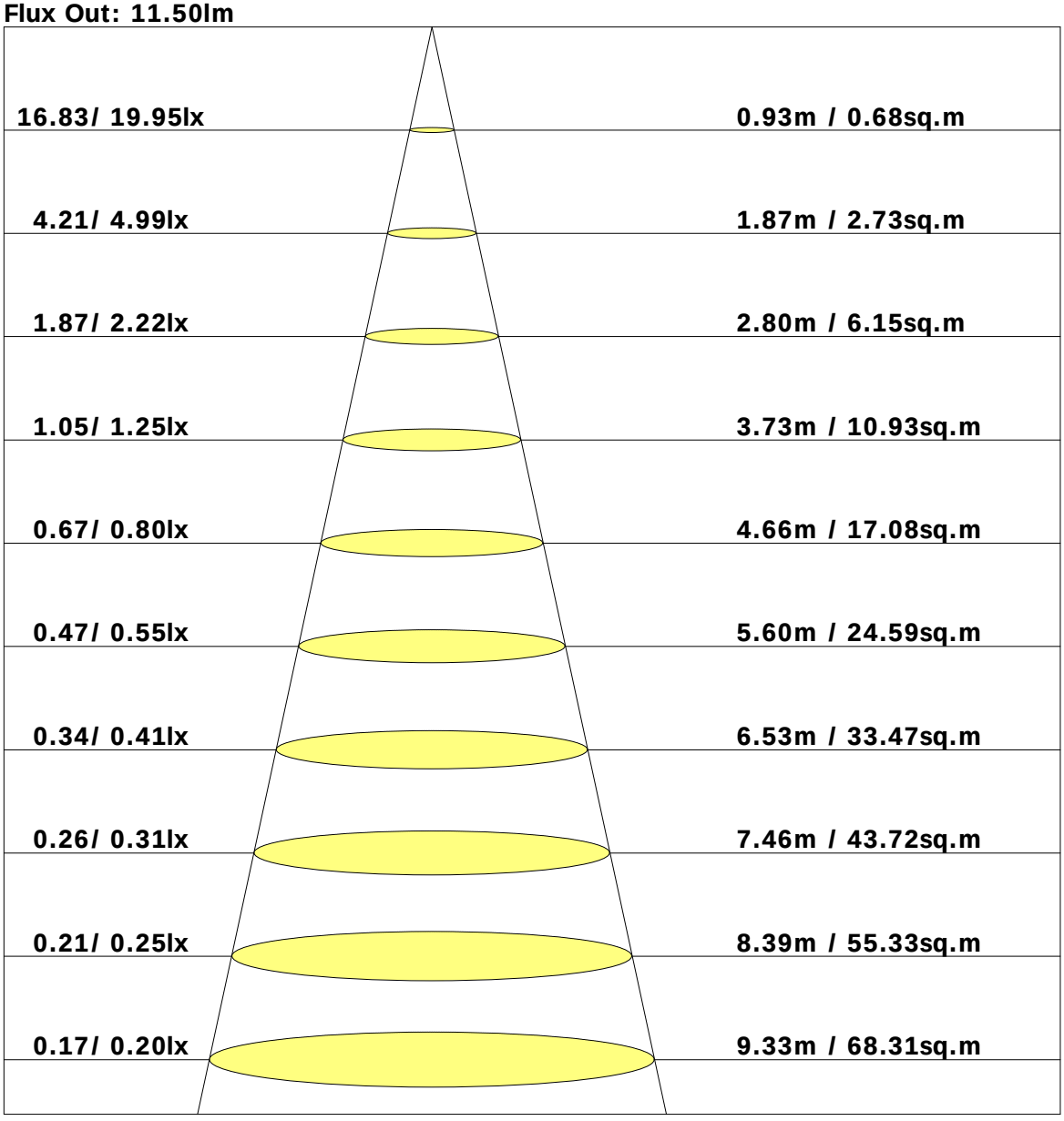
Horizontal plane	Vertical plane																									
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3
-70	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	1.2	1.2
-60	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	2.5	2.4
-50	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	3.8	3.7
-40	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	5.0	5.0
-30	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	6.1	6.0
-20	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	6.9	6.8
-10	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	7.3	7.3
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	7.5	7.4
10	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	7.2	7.2
20	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	6.6	6.5
30	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	5.6	5.5
40	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	4.3	4.3
50	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	2.9	2.9
60	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	1.6	1.6
70	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	0.6	0.5
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	0.1	0.0
90	0.1	0.4	0.7	1.8	2.9	3.8	4.5	5.1	5.5	6.0	6.0	5.8	5.6	5.1	4.4	3.5	2.2	0.8	69		
Flux(T)	0.0	0.4	0.7	1.7	2.8	3.8	4.5	5.1	5.5	6.0	6.0	5.8	5.6	5.1	4.4	3.4	2.2	0.6			
Flux(E)	0.0	0.3	1.2	2.4	3.7	5.0	6.0	6.8	7.3	7.4	7.2	6.5	5.5	4.3	2.9	1.6	0.5	0.0	69		

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: 11.50lm



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	15.8	17.5	16.2	17.8	18.2	16.4	18.1	16.8	18.4	18.8
3H	18.0	19.5	18.4	19.9	20.2	18.9	20.4	19.3	20.7	21.1
4H	18.8	20.2	19.2	20.6	21.0	19.9	21.3	20.3	21.7	22.1
6H	19.4	20.7	19.8	21.1	21.5	20.8	22.1	21.2	22.5	22.9
8H	19.5	20.8	20.0	21.2	21.7	21.1	22.4	21.5	22.8	23.2
12H	19.6	20.9	20.1	21.3	21.7	21.3	22.6	21.8	23.0	23.4
X=4H Y=2H	16.5	18.0	16.9	18.3	18.7	17.2	18.6	17.6	19.0	19.4
3H	18.9	20.1	19.3	20.5	20.9	19.8	21.1	20.3	21.5	21.9
4H	19.8	20.9	20.2	21.3	21.8	21.0	22.1	21.5	22.6	23.0
6H	20.5	21.5	21.0	21.9	22.4	22.0	23.0	22.5	23.5	23.9
8H	20.7	21.6	21.2	22.1	22.5	22.4	23.3	22.9	23.8	24.3
12H	20.8	21.6	21.3	22.1	22.6	22.7	23.6	23.2	24.1	24.5
X=8H Y=4H	20.2	21.1	20.6	21.5	22.0	21.4	22.3	21.9	22.8	23.3
6H	21.0	21.7	21.5	22.2	22.7	22.6	23.3	23.1	23.8	24.3
8H	21.2	21.9	21.8	22.4	22.9	23.1	23.8	23.6	24.3	24.8
12H	21.4	22.0	22.0	22.5	23.1	23.5	24.1	24.0	24.6	25.2
X=12H Y=4H	20.2	21.1	20.7	21.5	22.0	21.4	22.3	21.9	22.8	23.2
6H	21.1	21.8	21.6	22.2	22.8	22.7	23.3	23.2	23.8	24.4
8H	21.4	22.0	21.9	22.5	23.1	23.2	23.8	23.7	24.3	24.9

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	0.56	0.64	0.72	0.78	0.86	0.91	0.94	0.99	1.02
	0.30		0.48	0.56	0.65	0.71	0.79	0.85	0.89	0.95	0.99
	0.20		0.42	0.50	0.59	0.65	0.74	0.80	0.85	0.91	0.95
0.50	0.50	0.20	0.54	0.62	0.70	0.75	0.82	0.87	0.90	0.95	0.98
	0.30		0.47	0.55	0.63	0.69	0.77	0.82	0.86	0.91	0.95
	0.20		0.42	0.50	0.58	0.64	0.72	0.78	0.82	0.88	0.92
0.30	0.50	0.20	0.53	0.60	0.67	0.72	0.79	0.84	0.87	0.91	0.94
	0.30		0.46	0.54	0.62	0.67	0.74	0.80	0.83	0.88	0.91
	0.20		0.41	0.49	0.57	0.63	0.70	0.76	0.80	0.85	0.89
0.00	0.00	0.00	0.39	0.46	0.54	0.59	0.67	0.72	0.76	0.81	0.84

Rating:24W 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	1.01	0.86	0.73	0.63	0.51	0.42	0.36	0.28	0.23
	0.30		0.84	0.73	0.63	0.56	0.46	0.39	0.34	0.27	0.22
	0.20		0.72	0.64	0.56	0.50	0.42	0.36	0.31	0.25	0.21
0.50	0.50	0.20	0.97	0.83	0.70	0.61	0.49	0.44	0.35	0.27	0.22
	0.30		0.82	0.72	0.62	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.71	0.63	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.30	0.50	0.20	0.94	0.79	0.67	0.58	0.46	0.39	0.33	0.26	0.21
	0.30		0.80	0.70	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.70	0.62	0.54	0.48	0.40	0.34	0.29	0.23	0.19
0.00	0.00	0.00	0.60	0.53	0.45	0.40	0.32	0.27	0.23	0.18	0.15

Rating:24W 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	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16
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:24W 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	20.0	0.0	0.0	0.03	0.03
1.0-2.0	20.0	0.1	0.1	0.08	0.11
2.0-3.0	20.0	0.1	0.2	0.14	0.25
3.0-4.0	20.0	0.1	0.3	0.19	0.44
4.0-5.0	20.0	0.2	0.5	0.25	0.68
5.0-6.0	20.0	0.2	0.7	0.30	0.98
6.0-7.0	19.9	0.2	0.9	0.35	1.34
7.0-8.0	19.9	0.3	1.2	0.41	1.74
8.0-9.0	19.9	0.3	1.5	0.46	2.20
9.0-10.0	19.9	0.4	1.9	0.51	2.72
10.0-11.0	19.9	0.4	2.3	0.57	3.28
11.0-12.0	19.8	0.4	2.7	0.62	3.90
12.0-13.0	19.8	0.5	3.2	0.67	4.57
13.0-14.0	19.7	0.5	3.7	0.72	5.30
14.0-15.0	19.7	0.5	4.2	0.77	6.07
15.0-16.0	19.7	0.6	4.8	0.82	6.89
16.0-17.0	19.6	0.6	5.4	0.87	7.76
17.0-18.0	19.6	0.6	6.1	0.92	8.69
18.0-19.0	19.5	0.7	6.8	0.97	9.65
19.0-20.0	19.4	0.7	7.5	1.02	10.67
20.0-21.0	19.4	0.7	8.2	1.06	11.73
21.0-22.0	19.3	0.8	9.0	1.11	12.84
22.0-23.0	19.2	0.8	9.8	1.15	13.99
23.0-24.0	19.1	0.8	10.6	1.20	15.19
24.0-25.0	19.1	0.9	11.5	1.24	16.43
25.0-26.0	19.0	0.9	12.4	1.28	17.70
26.0-27.0	18.9	0.9	13.3	1.32	19.02
27.0-28.0	18.8	1.0	14.3	1.36	20.38
28.0-29.0	18.7	1.0	15.2	1.39	21.78
29.0-30.0	18.5	1.0	16.2	1.43	23.21
30.0-31.0	18.4	1.0	17.3	1.47	24.67
31.0-32.0	18.3	1.0	18.3	1.50	26.17
32.0-33.0	18.2	1.1	19.4	1.53	27.70
33.0-34.0	18.1	1.1	20.5	1.56	29.26
34.0-35.0	17.9	1.1	21.6	1.59	30.85
35.0-36.0	17.8	1.1	22.7	1.62	32.47

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	17.6	1.2	23.9	1.64	34.12
37.0-38.0	17.5	1.2	25.1	1.67	35.78
38.0-39.0	17.3	1.2	26.2	1.69	37.47
39.0-40.0	17.2	1.2	27.4	1.71	39.18
40.0-41.0	17.0	1.2	28.6	1.73	40.91
41.0-42.0	16.8	1.2	29.9	1.74	42.65
42.0-43.0	16.6	1.2	31.1	1.76	44.41
43.0-44.0	16.4	1.2	32.3	1.77	46.18
44.0-45.0	16.2	1.2	33.6	1.78	47.96
45.0-46.0	16.0	1.3	34.8	1.79	49.75
46.0-47.0	15.8	1.3	36.1	1.79	51.55
47.0-48.0	15.6	1.3	37.3	1.80	53.34
48.0-49.0	15.3	1.3	38.6	1.80	55.14
49.0-50.0	15.1	1.3	39.9	1.80	56.94
50.0-51.0	14.8	1.3	41.1	1.79	58.74
51.0-52.0	14.6	1.3	42.4	1.79	60.52
52.0-53.0	14.3	1.2	43.6	1.78	62.30
53.0-54.0	14.0	1.2	44.9	1.76	64.07
54.0-55.0	13.7	1.2	46.1	1.75	65.82
55.0-56.0	13.4	1.2	47.3	1.73	67.55
56.0-57.0	13.1	1.2	48.5	1.72	69.27
57.0-58.0	12.8	1.2	49.7	1.69	70.96
58.0-59.0	12.5	1.2	50.8	1.67	72.62
59.0-60.0	12.1	1.1	52.0	1.64	74.26
60.0-61.0	11.8	1.1	53.1	1.61	75.87
61.0-62.0	11.4	1.1	54.2	1.57	77.44
62.0-63.0	11.1	1.1	55.3	1.54	78.98
63.0-64.0	10.7	1.0	56.3	1.49	80.47
64.0-65.0	10.3	1.0	57.4	1.45	81.92
65.0-66.0	9.9	1.0	58.3	1.41	83.33
66.0-67.0	9.5	1.0	59.3	1.36	84.69
67.0-68.0	9.0	0.9	60.2	1.31	85.99
68.0-69.0	8.6	0.9	61.1	1.25	87.24
69.0-70.0	8.1	0.8	61.9	1.19	88.44
70.0-71.0	7.7	0.8	62.7	1.13	89.57
71.0-72.0	7.2	0.8	63.5	1.07	90.64

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	6.7	0.7	64.2	1.01	91.65
73.0-74.0	6.3	0.7	64.8	0.94	92.59
74.0-75.0	5.8	0.6	65.4	0.87	93.46
75.0-76.0	5.3	0.6	66.0	0.81	94.27
76.0-77.0	4.8	0.5	66.5	0.74	95.01
77.0-78.0	4.4	0.5	67.0	0.67	95.67
78.0-79.0	3.9	0.4	67.4	0.60	96.28
79.0-80.0	3.5	0.4	67.8	0.53	96.81
80.0-81.0	3.0	0.3	68.1	0.47	97.28
81.0-82.0	2.6	0.3	68.4	0.40	97.68
82.0-83.0	2.2	0.2	68.6	0.34	98.02
83.0-84.0	1.8	0.2	68.8	0.28	98.31
84.0-85.0	1.5	0.2	69.0	0.23	98.54
85.0-86.0	1.2	0.1	69.1	0.19	98.73
86.0-87.0	0.9	0.1	69.2	0.14	98.87
87.0-88.0	0.7	0.1	69.3	0.11	98.98
88.0-89.0	0.5	0.1	69.4	0.08	99.06
89.0-90.0	0.3	0.0	69.4	0.05	99.11
90.0-91.0	0.2	0.0	69.4	0.03	99.15
91.0-92.0	0.1	0.0	69.4	0.02	99.17
92.0-93.0	0.1	0.0	69.4	0.01	99.18
93.0-94.0	0.1	0.0	69.4	0.01	99.18
94.0-95.0	0.1	0.0	69.4	0.01	99.19
95.0-96.0	0.0	0.0	69.5	0.01	99.20
96.0-97.0	0.0	0.0	69.5	0.01	99.21
97.0-98.0	0.1	0.0	69.5	0.01	99.21
98.0-99.0	0.1	0.0	69.5	0.01	99.22
99.0-100.0	0.0	0.0	69.5	0.01	99.23
100.0-101.0	0.0	0.0	69.5	0.01	99.24
101.0-102.0	0.1	0.0	69.5	0.01	99.25
102.0-103.0	0.1	0.0	69.5	0.01	99.26
103.0-104.0	0.1	0.0	69.5	0.01	99.27
104.0-105.0	0.1	0.0	69.5	0.01	99.28
105.0-106.0	0.1	0.0	69.5	0.01	99.29
106.0-107.0	0.1	0.0	69.5	0.01	99.30
107.0-108.0	0.1	0.0	69.5	0.01	99.31

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	0.1	0.0	69.5	0.01	99.32
109.0-110.0	0.1	0.0	69.5	0.01	99.33
110.0-111.0	0.1	0.0	69.6	0.01	99.34
111.0-112.0	0.1	0.0	69.6	0.01	99.35
112.0-113.0	0.1	0.0	69.6	0.01	99.36
113.0-114.0	0.1	0.0	69.6	0.01	99.38
114.0-115.0	0.1	0.0	69.6	0.01	99.39
115.0-116.0	0.1	0.0	69.6	0.01	99.40
116.0-117.0	0.1	0.0	69.6	0.01	99.42
117.0-118.0	0.1	0.0	69.6	0.01	99.43
118.0-119.0	0.1	0.0	69.6	0.01	99.44
119.0-120.0	0.1	0.0	69.6	0.01	99.46
120.0-121.0	0.1	0.0	69.6	0.01	99.47
121.0-122.0	0.1	0.0	69.6	0.01	99.48
122.0-123.0	0.1	0.0	69.7	0.01	99.49
123.0-124.0	0.1	0.0	69.7	0.01	99.51
124.0-125.0	0.1	0.0	69.7	0.01	99.52
125.0-126.0	0.1	0.0	69.7	0.01	99.54
126.0-127.0	0.1	0.0	69.7	0.01	99.55
127.0-128.0	0.1	0.0	69.7	0.01	99.56
128.0-129.0	0.1	0.0	69.7	0.01	99.58
129.0-130.0	0.1	0.0	69.7	0.01	99.59
130.0-131.0	0.1	0.0	69.7	0.01	99.60
131.0-132.0	0.1	0.0	69.7	0.01	99.61
132.0-133.0	0.1	0.0	69.8	0.01	99.63
133.0-134.0	0.1	0.0	69.8	0.01	99.64
134.0-135.0	0.1	0.0	69.8	0.01	99.65
135.0-136.0	0.1	0.0	69.8	0.01	99.66
136.0-137.0	0.1	0.0	69.8	0.01	99.68
137.0-138.0	0.1	0.0	69.8	0.01	99.69
138.0-139.0	0.1	0.0	69.8	0.01	99.70
139.0-140.0	0.1	0.0	69.8	0.01	99.72
140.0-141.0	0.1	0.0	69.8	0.01	99.73
141.0-142.0	0.1	0.0	69.8	0.01	99.74
142.0-143.0	0.1	0.0	69.8	0.01	99.75
143.0-144.0	0.1	0.0	69.8	0.01	99.76

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	0.1	0.0	69.9	0.01	99.77
145.0-146.0	0.1	0.0	69.9	0.01	99.79
146.0-147.0	0.1	0.0	69.9	0.01	99.80
147.0-148.0	0.1	0.0	69.9	0.01	99.81
148.0-149.0	0.1	0.0	69.9	0.01	99.82
149.0-150.0	0.1	0.0	69.9	0.01	99.83
150.0-151.0	0.1	0.0	69.9	0.01	99.84
151.0-152.0	0.1	0.0	69.9	0.01	99.85
152.0-153.0	0.1	0.0	69.9	0.01	99.86
153.0-154.0	0.2	0.0	69.9	0.01	99.87
154.0-155.0	0.1	0.0	69.9	0.01	99.88
155.0-156.0	0.1	0.0	69.9	0.01	99.89
156.0-157.0	0.1	0.0	69.9	0.01	99.89
157.0-158.0	0.1	0.0	69.9	0.01	99.90
158.0-159.0	0.1	0.0	69.9	0.01	99.91
159.0-160.0	0.1	0.0	70.0	0.01	99.92
160.0-161.0	0.1	0.0	70.0	0.01	99.93
161.0-162.0	0.1	0.0	70.0	0.01	99.93
162.0-163.0	0.2	0.0	70.0	0.01	99.94
163.0-164.0	0.1	0.0	70.0	0.01	99.95
164.0-165.0	0.2	0.0	70.0	0.01	99.95
165.0-166.0	0.1	0.0	70.0	0.01	99.96
166.0-167.0	0.2	0.0	70.0	0.01	99.96
167.0-168.0	0.2	0.0	70.0	0.01	99.97
168.0-169.0	0.2	0.0	70.0	0.00	99.97
169.0-170.0	0.2	0.0	70.0	0.00	99.98
170.0-171.0	0.2	0.0	70.0	0.00	99.98
171.0-172.0	0.2	0.0	70.0	0.00	99.99
172.0-173.0	0.2	0.0	70.0	0.00	99.99
173.0-174.0	0.2	0.0	70.0	0.00	99.99
174.0-175.0	0.1	0.0	70.0	0.00	99.99
175.0-176.0	0.1	0.0	70.0	0.00	100.00
176.0-177.0	0.1	0.0	70.0	0.00	100.00
177.0-178.0	0.2	0.0	70.0	0.00	100.00
178.0-179.0	0.2	0.0	70.0	0.00	100.00
179.0-180.0	0.2	0.0	70.0	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: