GENLED Brands
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Fax:

Report No.: **Test Time: 2023/9/1 10:18**

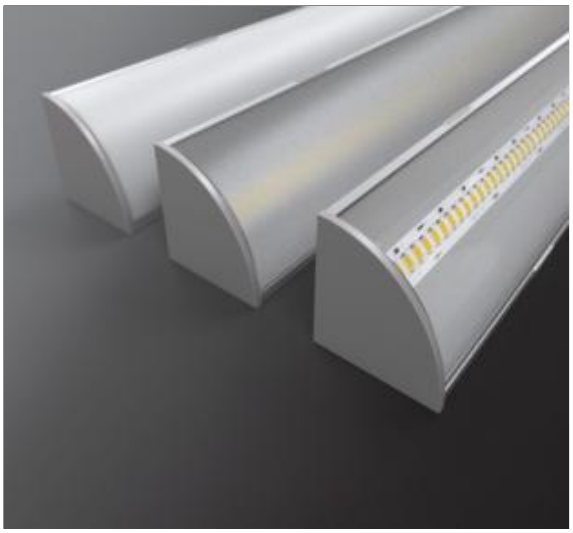
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAC5M90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 30**
Luminous Height (mm): 30 **Voltage: 24.1 V**
Current: 0.204 A **Power: 4.91 W**
Power Factor: 1.000

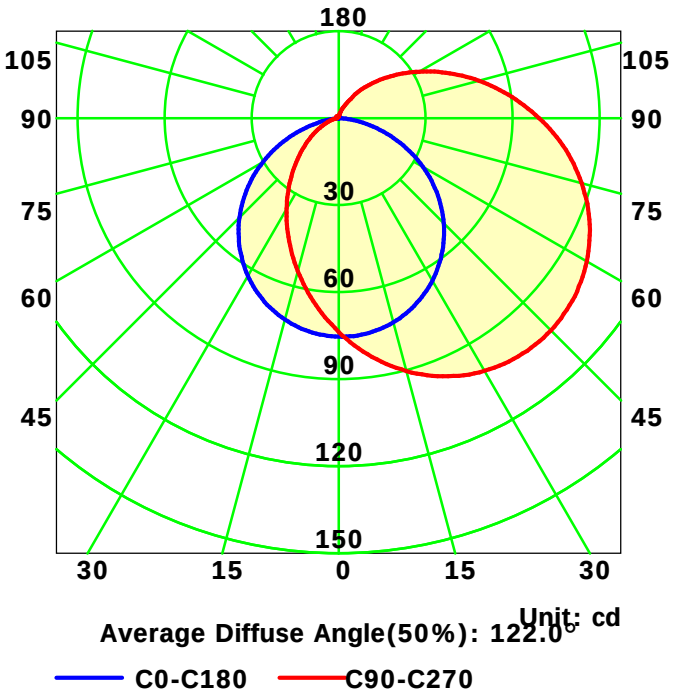
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 338.7 lm**
Measurement Flux: 338.7 lm **Efficiency: 100%**
Downward Ratio: 83% **Upward Ratio: 17%**
Horizontal Diffuse Angle(10%,50%): H157.2,H111
Vertical Diffuse Angle(10%,50%): V208,V133
Luminaire Efficacy Rating (LER): 69 **Central Intensity: 75.37 cd**
Max. Intensity: 103.63 cd **Pos of Max. Intensity: H90 V43**

Picture Of Luminaire

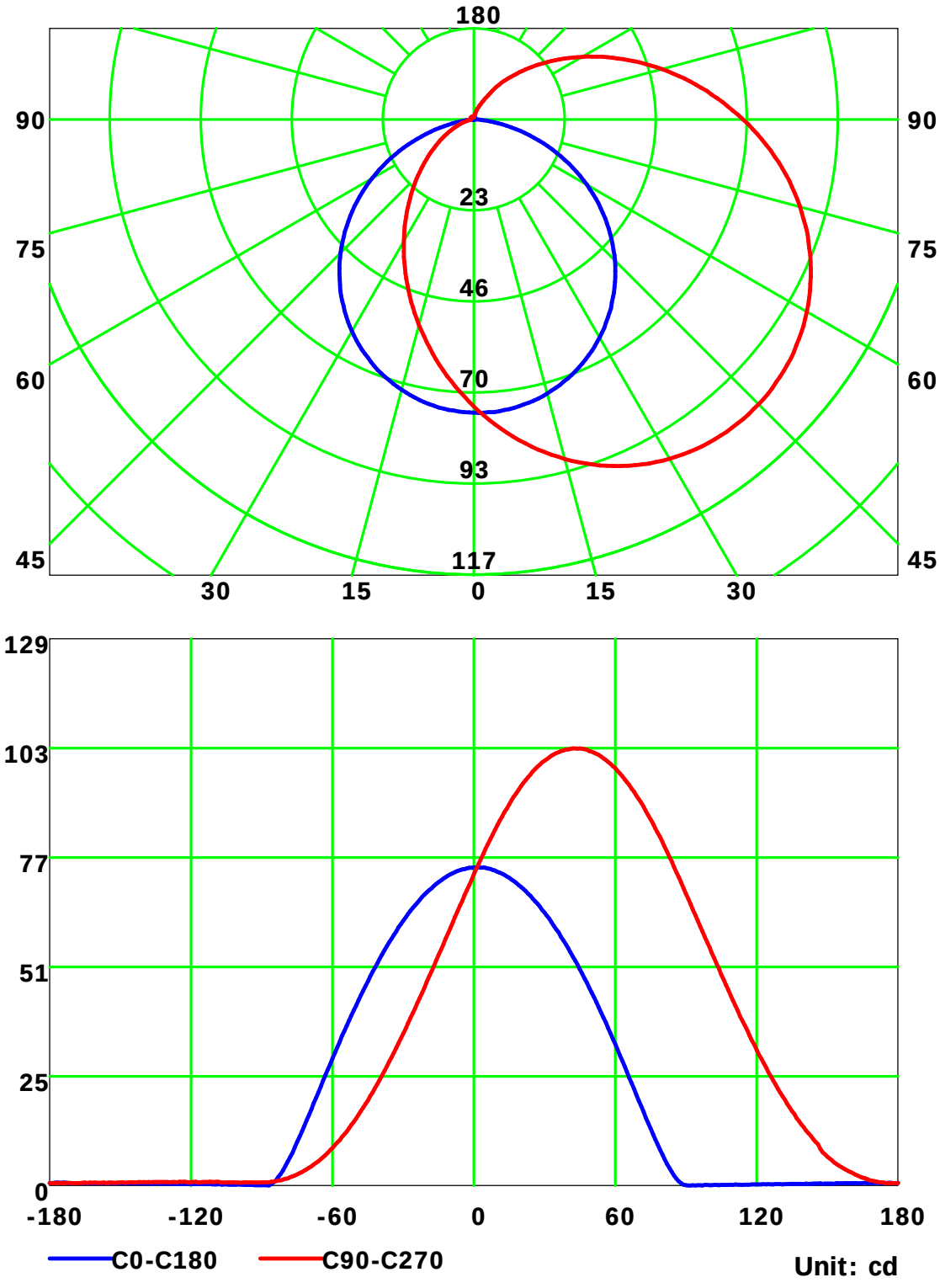


Luminous Intensity Distribution Curve



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: Nick **Inspector:**

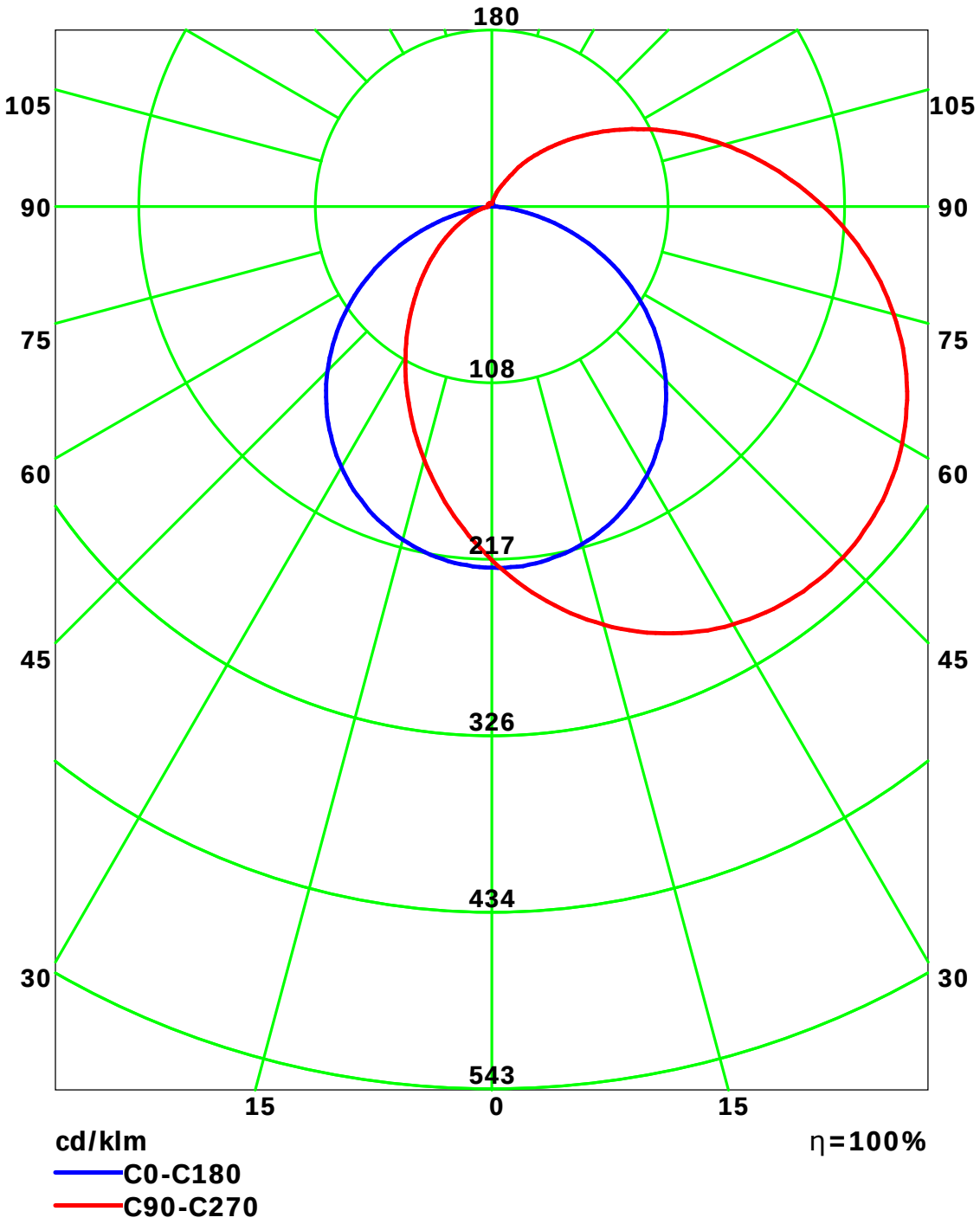
Luminous Intensity Distribution Curve



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

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:
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Temperature: 25
Operator: Nick

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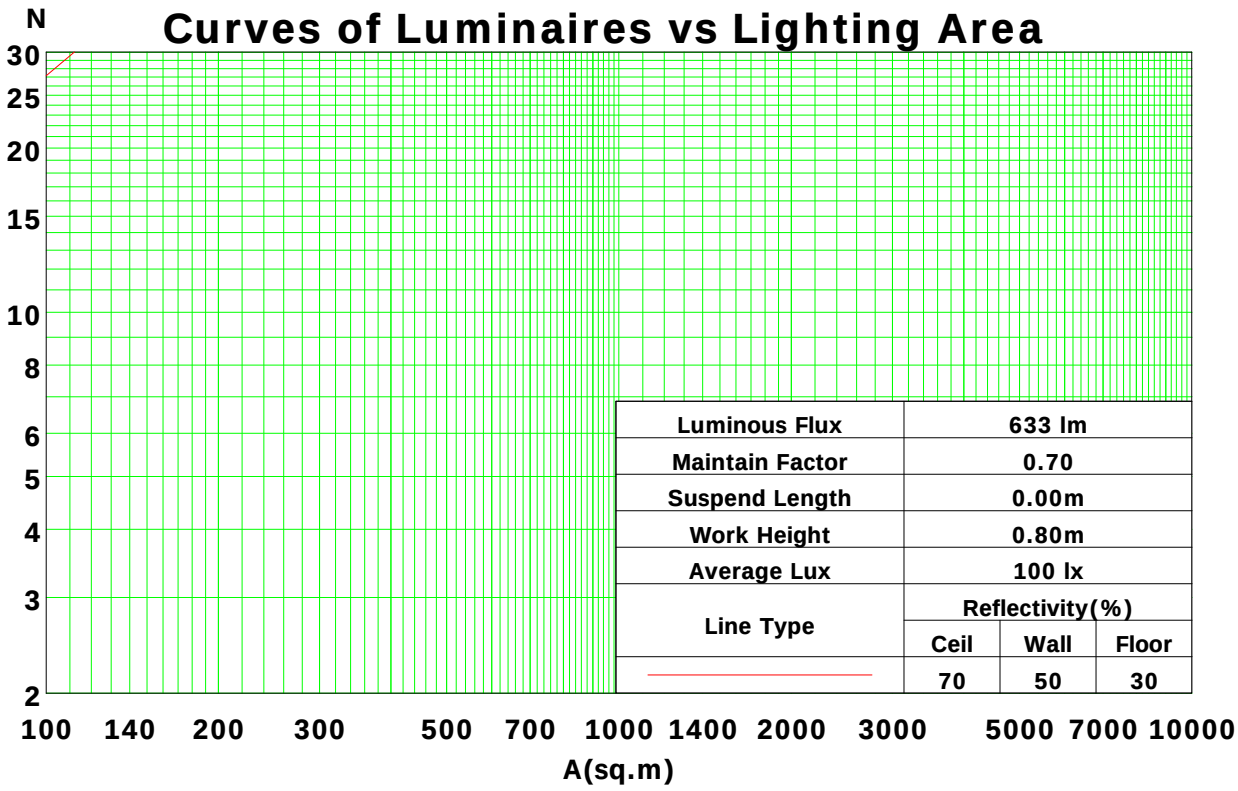
Inspector:

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	102	102	102	94	94	94	87	87	87	83
1	102	96	91	86	97	92	87	83	85	81	77	78	75	72	72	69	67	63
2	92	82	74	67	87	79	71	65	72	66	61	66	62	57	61	57	54	50
3	83	71	62	55	79	68	60	53	63	56	50	58	52	47	53	48	44	41
4	75	62	53	46	72	60	51	44	55	48	42	51	45	40	47	42	37	35
5	69	55	46	39	66	53	44	38	49	42	36	45	39	34	42	36	32	29
6	64	50	40	33	60	48	39	33	44	37	31	41	34	29	38	32	28	25
7	59	45	36	29	56	43	35	28	40	33	27	37	31	26	34	29	25	22
8	55	41	32	26	52	39	31	25	36	29	24	34	28	23	32	26	22	20
9	51	37	29	23	49	36	28	22	33	26	22	31	25	21	29	24	20	18
10	48	34	26	21	46	33	25	20	31	24	19	29	23	19	27	22	18	16

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.39
Spacing Criteria (Diagonal): 1.46

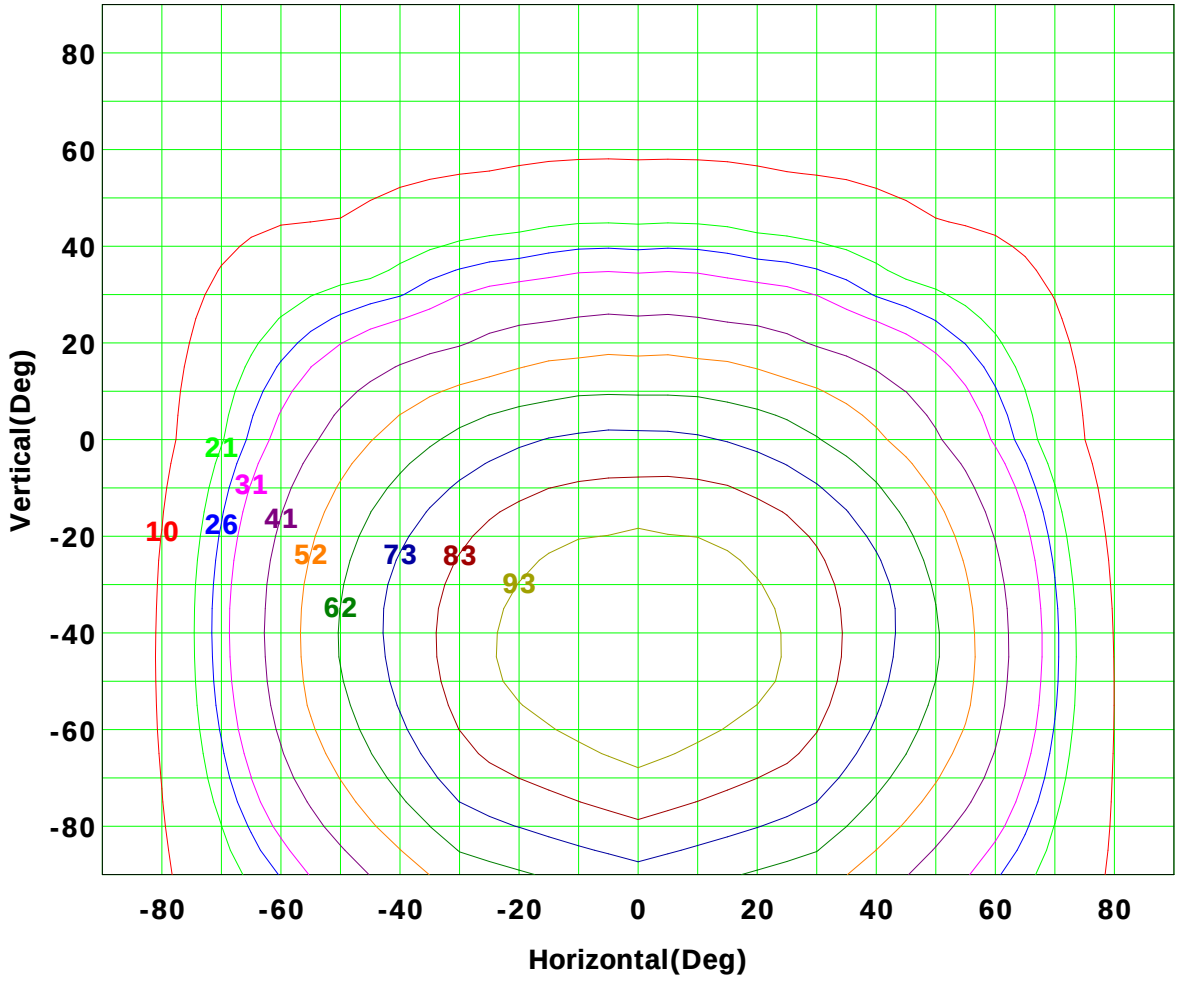
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



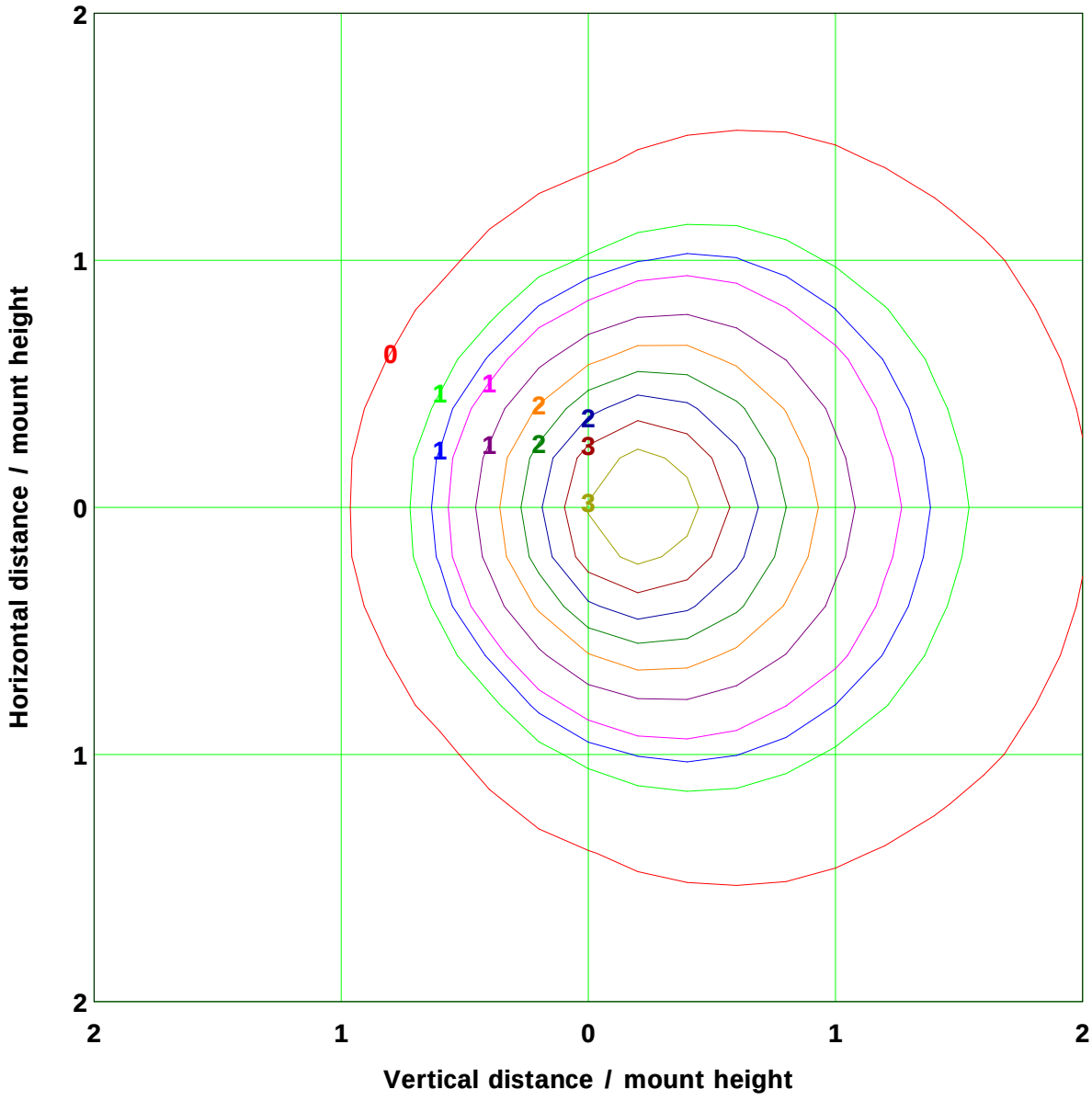
Imax (100%): 104 cd

(10%):	10 cd	(20%):	21 cd
(25%):	26 cd	(30%):	31 cd
(40%):	41 cd	(50%):	52 cd
(60%):	62 cd	(70%):	73 cd
(80%):	83 cd	(90%):	93 cd

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

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%): 3.3 lx

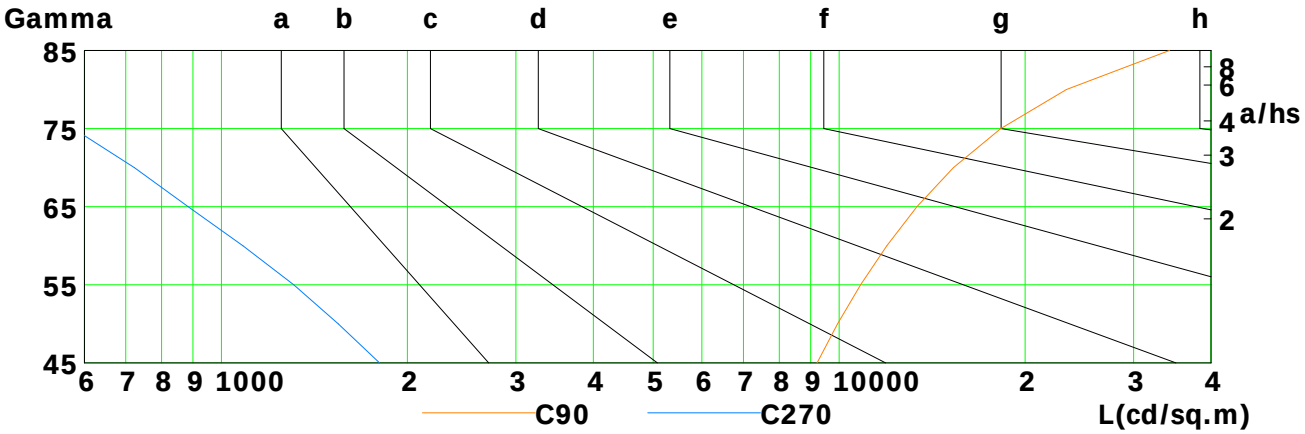
(10%): 0.3 lx	(20%): 0.7 lx
(25%): 0.8 lx	(30%): 1.0 lx
(40%): 1.3 lx	(50%): 1.6 lx
(60%): 2.0 lx	(70%): 2.3 lx
(80%): 2.6 lx	(90%): 2.9 lx

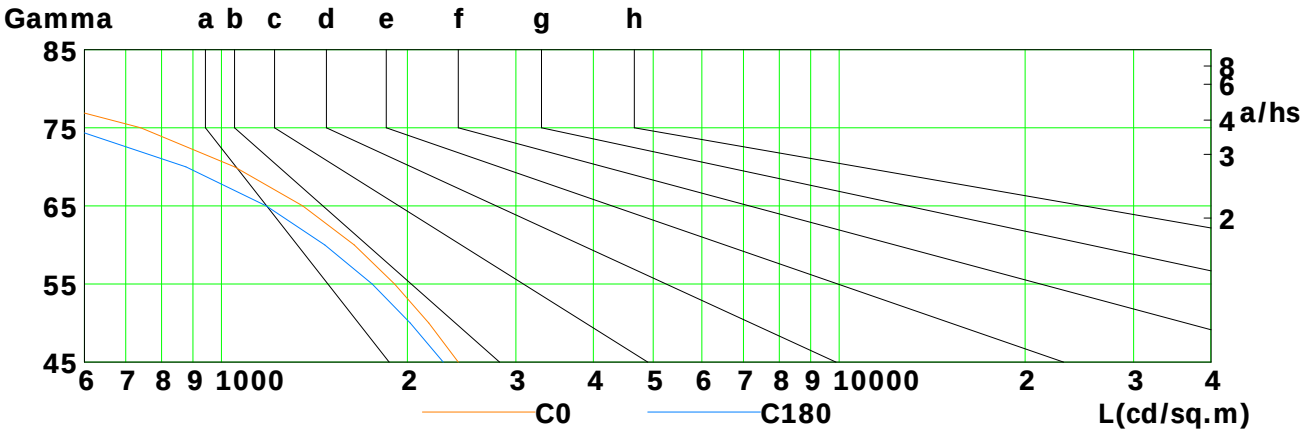
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



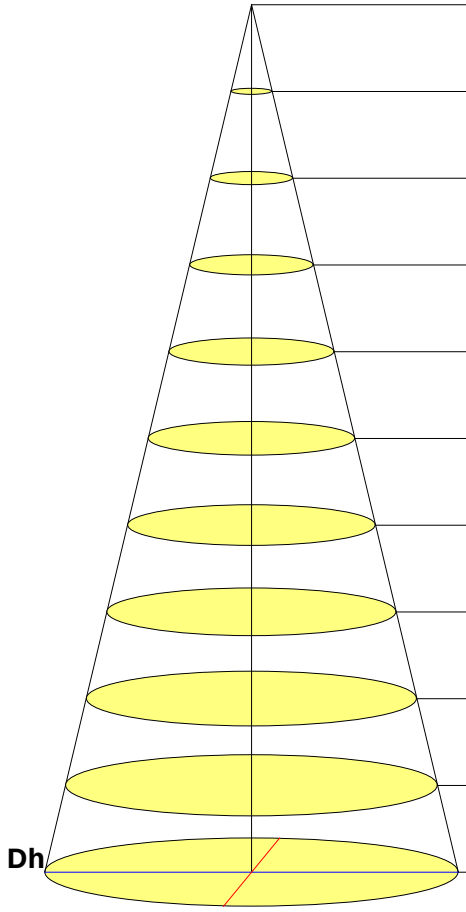


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2420	2167	1908	1641	1354	1051	741	427	151
C90	9216	9951	10835	11946	13367	15323	18272	23334	34271
C180	2286	2023	1756	1471	1183	876	568	269	51
C270	1805	1546	1310	1083	883	723	577	478	463

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

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

Illuminance at a Distance



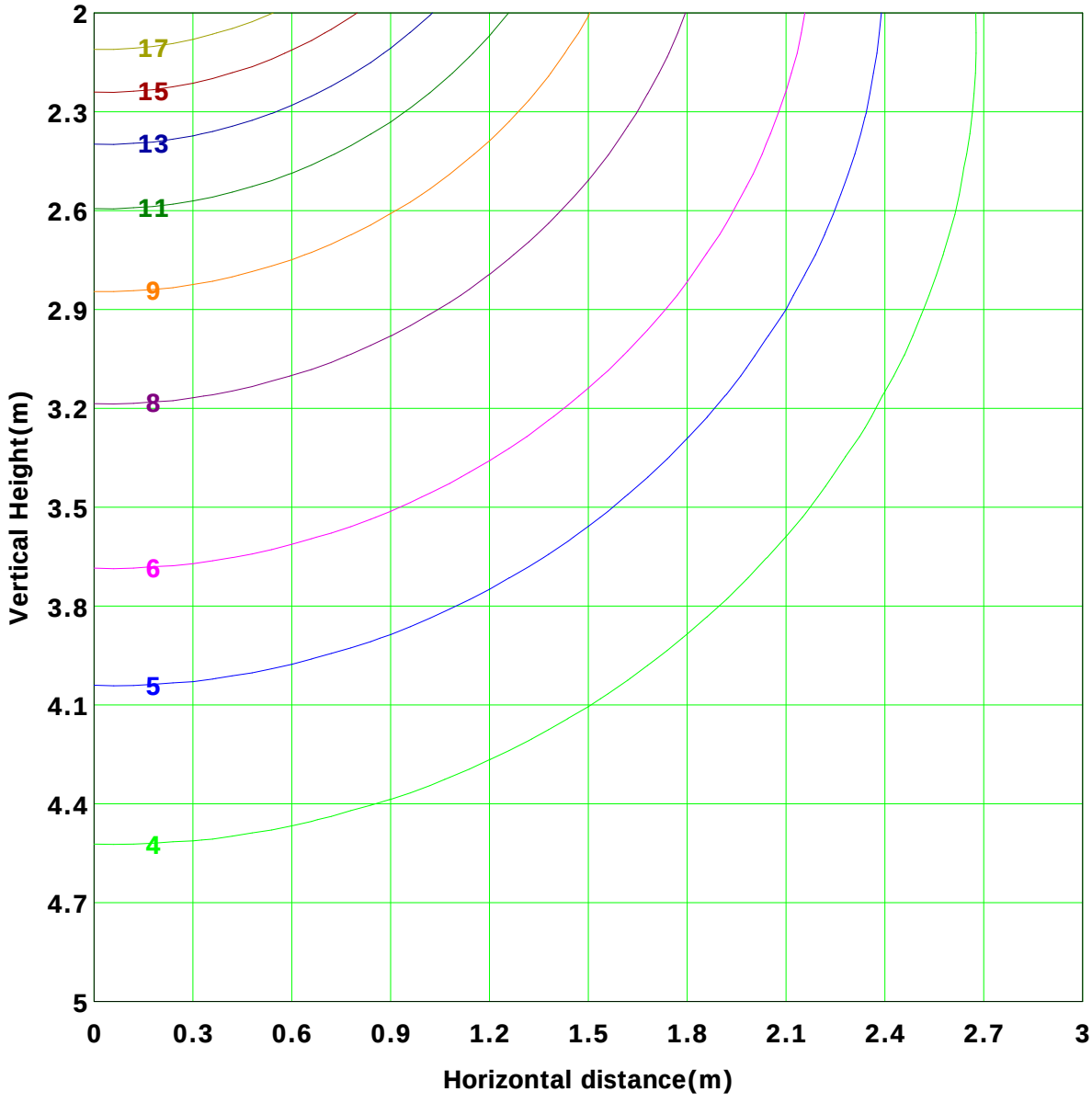
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	75.37	2.91/4.60	NA	NA
2.0	18.84	5.82/9.20	NA	NA
3.0	8.37	8.72/13.79	NA	NA
4.0	4.71	11.63/18.39	NA	NA
5.0	3.01	14.54/22.99	NA	NA
6.0	2.09	17.45/27.59	NA	NA
7.0	1.54	20.35/32.18	NA	NA
8.0	1.18	23.26/36.78	NA	NA
9.0	0.93	26.17/41.38	NA	NA
10.0	0.75	29.08/45.98	NA	NA

Beam Angle(B): H111.0 V133.0 Field Angle(F): H157.2 V208.0

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

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: 18.8 lx

(10%): 1.9 lx
(20%): 3.8 lx
(25%): 4.7 lx
(30%): 5.7 lx
(40%): 7.5 lx
(50%): 9.4 lx
(60%): 11.3 lx
(70%): 13.2 lx
(80%): 15.1 lx
(90%): 17.0 lx

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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: Nick
Inspector:

Area Flux Table

Unit: lm

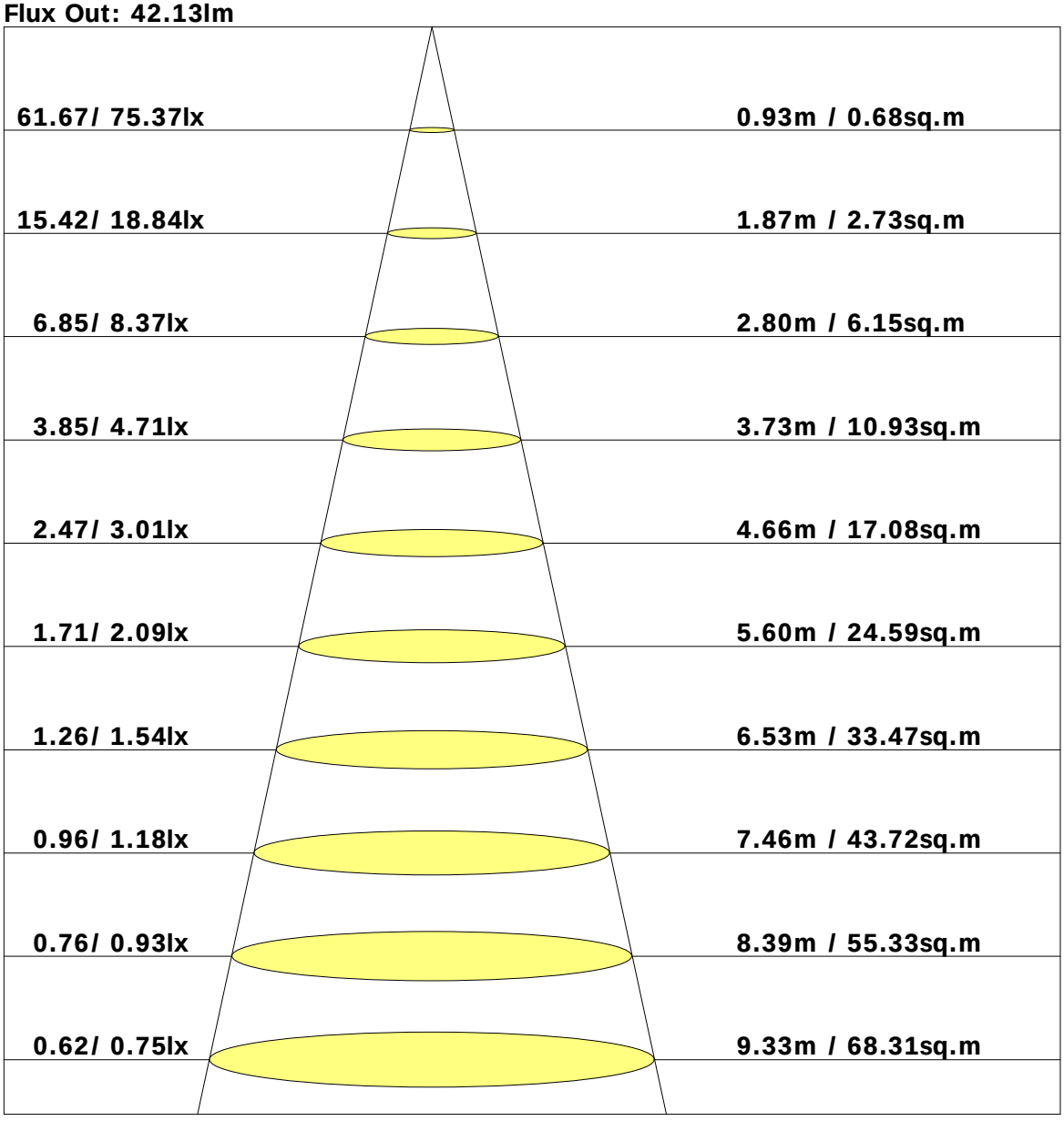
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.3	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		0.7	0.0
-70	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0		1.7	0.0
-60	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0		3.2	1.8
-50	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0		5.4	4.9
-40	0.0	0.0	0.1	0.3	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.4	0.3	0.2	0.1	0.0		8.2	8.0
-30	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.1	0.8	0.6	0.4	0.2	0.1	0.0		11.3	11.2
-20	0.0	0.1	0.2	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0		14.8	14.7
-10	0.0	0.1	0.3	0.6	1.0	1.3	1.7	1.9	2.1	2.1	1.9	1.7	1.4	1.0	0.7	0.3	0.1	0.0		18.2	18.1
0	0.0	0.1	0.3	0.7	1.1	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.2	0.8	0.4	0.1	0.0		21.4	21.3
10	0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.6	2.7	2.7	2.6	2.2	1.8	1.3	0.8	0.4	0.1	0.0		24.1	24.1
20	0.0	0.1	0.4	0.9	1.4	2.0	2.4	2.8	2.9	2.9	2.8	2.4	2.0	1.4	0.9	0.5	0.2	0.0		26.1	26.0
30	0.0	0.1	0.5	0.9	1.5	2.0	2.5	2.9	3.1	3.1	2.9	2.5	2.0	1.5	1.0	0.5	0.2	0.0		27.2	27.1
40	0.0	0.2	0.5	1.0	1.5	2.0	2.5	2.9	3.1	3.1	2.9	2.5	2.0	1.5	1.0	0.5	0.2	0.0		27.3	27.3
50	0.0	0.1	0.5	0.9	1.4	2.0	2.5	2.8	3.0	3.0	2.8	2.5	2.0	1.4	0.9	0.5	0.2	0.0		26.5	26.5
60	0.0	0.1	0.4	0.9	1.3	1.9	2.3	2.6	2.8	2.8	2.6	2.3	1.9	1.3	0.8	0.4	0.1	0.0		24.8	24.8
70	0.0	0.1	0.4	0.7	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.7	0.4	0.1	0.0		22.3	22.2
80	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.0	2.2	2.2	2.0	1.8	1.4	1.0	0.6	0.3	0.1	0.0		19.1	19.0
90																					
Flux(T)	0.2	1.5	4.8	9.6	15.2	21.1	26.3	30.0	32.1	32.1	30.0	26.3	21.2	15.4	9.8	5.1	1.8	0.2		283	
Flux(E)	0.0	1.3	4.6	9.3	14.9	20.8	25.9	29.6	31.7	31.7	29.6	26.0	20.8	15.1	9.6	4.9	1.5	0.0			277

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

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: 42.13lm



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: Nick

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
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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	18.5	19.9	19.1	20.6	21.2	22.5	23.9	23.1	24.5	25.2
3H	20.3	21.6	20.9	22.2	23.0	25.1	26.4	25.7	27.0	27.7
4H	21.0	22.2	21.6	22.8	23.6	26.3	27.5	26.9	28.2	28.9
6H	21.4	22.5	22.0	23.2	23.9	27.5	28.6	28.1	29.3	30.0
8H	21.5	22.6	22.2	23.3	24.0	28.0	29.1	28.7	29.8	30.6
12H	21.6	22.6	22.2	23.3	24.1	28.6	29.6	29.2	30.3	31.1
X=4H Y=2H	19.5	20.8	20.2	21.4	22.1	23.1	24.3	23.7	24.9	25.7
3H	21.7	22.7	22.3	23.4	24.1	26.0	27.0	26.6	27.7	28.5
4H	22.5	23.5	23.1	24.1	24.9	27.4	28.3	28.0	29.0	29.8
6H	23.1	24.0	23.8	24.7	25.5	28.7	29.6	29.4	30.3	31.1
8H	23.3	24.1	24.0	24.8	25.6	29.4	30.2	30.1	30.9	31.7
12H	23.4	24.2	24.1	24.9	25.7	30.0	30.8	30.7	31.5	32.3
X=8H Y=4H	23.3	24.1	24.0	24.8	25.6	27.7	28.6	28.4	29.3	30.1
6H	24.2	24.9	24.9	25.6	26.4	29.3	30.0	30.0	30.8	31.6
8H	24.5	25.2	25.3	25.9	26.7	30.1	30.8	30.9	31.5	32.3
12H	24.8	25.4	25.5	26.1	27.0	31.0	31.5	31.7	32.3	33.1
X=12H Y=4H	23.5	24.2	24.2	25.0	25.8	27.8	28.5	28.5	29.2	30.1
6H	24.5	25.2	25.3	25.9	26.7	29.4	30.1	30.2	30.8	31.7
8H	25.0	25.6	25.7	26.3	27.2	30.3	30.9	31.1	31.6	32.5

Calculate in accordance with CIE 190:2010

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

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	0.49	0.57	0.64	0.69	0.76	0.82	0.85	0.90	0.93
	0.30		0.41	0.49	0.56	0.61	0.69	0.75	0.79	0.85	0.89
	0.20		0.36	0.43	0.50	0.55	0.63	0.69	0.74	0.80	0.85
0.50	0.50	0.20	0.46	0.53	0.60	0.64	0.71	0.75	0.79	0.83	0.86
	0.30		0.39	0.46	0.53	0.58	0.65	0.70	0.74	0.79	0.82
	0.20		0.34	0.41	0.48	0.52	0.60	0.65	0.69	0.75	0.79
0.30	0.50	0.20	0.43	0.50	0.55	0.60	0.65	0.69	0.72	0.77	0.79
	0.30		0.37	0.44	0.50	0.54	0.61	0.65	0.68	0.73	0.76
	0.20		0.33	0.39	0.45	0.50	0.56	0.61	0.65	0.70	0.74
0.00	0.00	0.00	0.29	0.34	0.40	0.44	0.50	0.54	0.58	0.62	0.65

Rating:5W 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: Nick

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	1.02	0.88	0.76	0.68	0.56	0.48	0.42	0.33	0.28
	0.30		0.85	0.75	0.66	0.60	0.50	0.44	0.38	0.31	0.27
	0.20		0.73	0.66	0.59	0.54	0.46	0.40	0.36	0.30	0.25
0.50	0.50	0.20	0.95	0.82	0.71	0.63	0.52	0.47	0.39	0.31	0.26
	0.30		0.80	0.71	0.63	0.56	0.47	0.41	0.36	0.29	0.25
	0.20		0.69	0.63	0.56	0.51	0.44	0.38	0.34	0.28	0.24
0.30	0.50	0.20	0.89	0.76	0.66	0.59	0.48	0.41	0.36	0.29	0.24
	0.30		0.76	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.23
	0.20		0.66	0.60	0.53	0.49	0.41	0.36	0.32	0.27	0.23
0.00	0.00	0.00	0.54	0.49	0.43	0.39	0.33	0.29	0.26	0.21	0.18

Rating:5W 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: Nick

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	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38
	0.30		0.26	0.27	0.28	0.29	0.31	0.32	0.33	0.34	0.35
	0.20		0.21	0.22	0.23	0.24	0.26	0.28	0.29	0.30	0.32
0.50	0.50	0.20	0.31	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36
	0.30		0.25	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.33
	0.20		0.20	0.22	0.23	0.24	0.26	0.27	0.28	0.29	0.31
0.30	0.50	0.20	0.30	0.32	0.32	0.33	0.34	0.34	0.34	0.35	0.35
	0.30		0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.32
	0.20		0.20	0.21	0.23	0.24	0.25	0.26	0.27	0.29	0.30
0.00	0.00	0.00	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16

Rating:5W 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: Nick

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	74.5	0.1	0.1	0.02	0.02
1.0-2.0	74.5	0.2	0.3	0.06	0.08
2.0-3.0	74.4	0.4	0.6	0.11	0.19
3.0-4.0	74.4	0.5	1.1	0.15	0.34
4.0-5.0	74.3	0.6	1.8	0.19	0.52
5.0-6.0	74.2	0.8	2.6	0.23	0.76
6.0-7.0	74.1	0.9	3.5	0.27	1.03
7.0-8.0	74.0	1.1	4.5	0.31	1.34
8.0-9.0	73.8	1.2	5.7	0.35	1.69
9.0-10.0	73.6	1.3	7.1	0.39	2.09
10.0-11.0	73.5	1.5	8.5	0.43	2.52
11.0-12.0	73.3	1.6	10.1	0.47	2.99
12.0-13.0	73.0	1.7	11.9	0.51	3.50
13.0-14.0	72.8	1.9	13.7	0.55	4.05
14.0-15.0	72.5	2.0	15.7	0.59	4.64
15.0-16.0	72.2	2.1	17.8	0.62	5.27
16.0-17.0	71.9	2.2	20.1	0.66	5.93
17.0-18.0	71.6	2.4	22.4	0.70	6.63
18.0-19.0	71.3	2.5	24.9	0.73	7.36
19.0-20.0	70.9	2.6	27.5	0.77	8.12
20.0-21.0	70.5	2.7	30.2	0.80	8.92
21.0-22.0	70.1	2.8	33.0	0.83	9.76
22.0-23.0	69.7	2.9	36.0	0.86	10.62
23.0-24.0	69.3	3.0	39.0	0.89	11.51
24.0-25.0	68.8	3.1	42.1	0.92	12.44
25.0-26.0	68.4	3.2	45.4	0.95	13.39
26.0-27.0	67.9	3.3	48.7	0.98	14.37
27.0-28.0	67.4	3.4	52.1	1.01	15.38
28.0-29.0	66.9	3.5	55.6	1.03	16.41
29.0-30.0	66.3	3.6	59.2	1.06	17.47
30.0-31.0	65.8	3.7	62.8	1.08	18.55
31.0-32.0	65.2	3.7	66.6	1.10	19.65
32.0-33.0	64.6	3.8	70.4	1.12	20.78
33.0-34.0	64.0	3.9	74.3	1.14	21.92
34.0-35.0	63.4	3.9	78.2	1.16	23.09
35.0-36.0	62.8	4.0	82.2	1.18	24.27

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

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	62.1	4.1	86.2	1.20	25.46
37.0-38.0	61.5	4.1	90.3	1.21	26.67
38.0-39.0	60.8	4.2	94.5	1.23	27.90
39.0-40.0	60.2	4.2	98.7	1.24	29.14
40.0-41.0	59.4	4.2	102.9	1.25	30.39
41.0-42.0	58.7	4.3	107.2	1.26	31.65
42.0-43.0	58.0	4.3	111.5	1.27	32.92
43.0-44.0	57.3	4.3	115.8	1.28	34.20
44.0-45.0	56.6	4.3	120.2	1.28	35.48
45.0-46.0	55.8	4.4	124.5	1.29	36.77
46.0-47.0	55.1	4.4	128.9	1.29	38.06
47.0-48.0	54.3	4.4	133.3	1.30	39.36
48.0-49.0	53.5	4.4	137.7	1.30	40.66
49.0-50.0	52.7	4.4	142.1	1.30	41.95
50.0-51.0	51.9	4.4	146.5	1.30	43.25
51.0-52.0	51.1	4.4	150.9	1.29	44.54
52.0-53.0	50.3	4.4	155.2	1.29	45.84
53.0-54.0	49.5	4.4	159.6	1.29	47.12
54.0-55.0	48.6	4.3	164.0	1.28	48.41
55.0-56.0	47.8	4.3	168.3	1.28	49.68
56.0-57.0	47.0	4.3	172.6	1.27	50.95
57.0-58.0	46.1	4.3	176.8	1.26	52.21
58.0-59.0	45.3	4.2	181.1	1.25	53.46
59.0-60.0	44.4	4.2	185.3	1.24	54.70
60.0-61.0	43.6	4.2	189.4	1.23	55.93
61.0-62.0	42.7	4.1	193.5	1.22	57.14
62.0-63.0	41.8	4.1	197.6	1.20	58.35
63.0-64.0	41.0	4.0	201.6	1.19	59.53
64.0-65.0	40.1	4.0	205.6	1.17	60.70
65.0-66.0	39.2	3.9	209.5	1.16	61.86
66.0-67.0	38.3	3.9	213.4	1.14	63.00
67.0-68.0	37.5	3.8	217.2	1.12	64.12
68.0-69.0	36.6	3.7	220.9	1.10	65.22
69.0-70.0	35.7	3.7	224.6	1.08	66.31
70.0-71.0	34.9	3.6	228.2	1.06	67.37
71.0-72.0	34.0	3.5	231.7	1.04	68.42

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

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	33.1	3.5	235.2	1.02	69.44
73.0-74.0	32.3	3.4	238.6	1.00	70.44
74.0-75.0	31.4	3.3	241.9	0.98	71.42
75.0-76.0	30.6	3.2	245.1	0.96	72.38
76.0-77.0	29.7	3.2	248.3	0.94	73.31
77.0-78.0	28.9	3.1	251.4	0.91	74.23
78.0-79.0	28.0	3.0	254.4	0.89	75.12
79.0-80.0	27.2	2.9	257.4	0.87	75.98
80.0-81.0	26.4	2.9	260.2	0.84	76.83
81.0-82.0	25.6	2.8	263.0	0.82	77.65
82.0-83.0	24.9	2.7	265.7	0.80	78.45
83.0-84.0	24.1	2.6	268.3	0.78	79.22
84.0-85.0	23.4	2.6	270.9	0.75	79.98
85.0-86.0	22.7	2.5	273.4	0.73	80.71
86.0-87.0	22.0	2.4	275.8	0.71	81.42
87.0-88.0	21.4	2.3	278.1	0.69	82.11
88.0-89.0	20.8	2.3	280.4	0.67	82.78
89.0-90.0	20.2	2.2	282.6	0.66	83.44
90.0-91.0	19.7	2.2	284.8	0.64	84.08
91.0-92.0	19.2	2.1	286.9	0.62	84.70
92.0-93.0	18.7	2.1	288.9	0.61	85.31
93.0-94.0	18.3	2.0	290.9	0.59	85.90
94.0-95.0	17.8	1.9	292.9	0.58	86.47
95.0-96.0	17.4	1.9	294.8	0.56	87.03
96.0-97.0	16.9	1.8	296.6	0.54	87.58
97.0-98.0	16.5	1.8	298.4	0.53	88.10
98.0-99.0	16.1	1.7	300.2	0.51	88.62
99.0-100.0	15.6	1.7	301.8	0.50	89.12
100.0-101.0	15.2	1.6	303.5	0.48	89.60
101.0-102.0	14.8	1.6	305.1	0.47	90.07
102.0-103.0	14.4	1.5	306.6	0.45	90.53
103.0-104.0	14.0	1.5	308.1	0.44	90.97
104.0-105.0	13.6	1.4	309.5	0.43	91.39
105.0-106.0	13.2	1.4	310.9	0.41	91.80
106.0-107.0	12.8	1.3	312.3	0.40	92.20
107.0-108.0	12.4	1.3	313.6	0.38	92.59

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

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	12.1	1.3	314.8	0.37	92.96
109.0-110.0	11.7	1.2	316.1	0.36	93.32
110.0-111.0	11.3	1.2	317.2	0.34	93.66
111.0-112.0	11.0	1.1	318.3	0.33	93.99
112.0-113.0	10.7	1.1	319.4	0.32	94.31
113.0-114.0	10.3	1.0	320.5	0.31	94.62
114.0-115.0	10.0	1.0	321.5	0.29	94.91
115.0-116.0	9.7	1.0	322.4	0.28	95.20
116.0-117.0	9.4	0.9	323.3	0.27	95.47
117.0-118.0	9.0	0.9	324.2	0.26	95.73
118.0-119.0	8.8	0.8	325.1	0.25	95.98
119.0-120.0	8.5	0.8	325.9	0.24	96.21
120.0-121.0	8.2	0.8	326.6	0.23	96.44
121.0-122.0	7.9	0.7	327.4	0.22	96.66
122.0-123.0	7.6	0.7	328.1	0.21	96.87
123.0-124.0	7.3	0.7	328.8	0.20	97.07
124.0-125.0	7.1	0.6	329.4	0.19	97.25
125.0-126.0	6.8	0.6	330.0	0.18	97.43
126.0-127.0	6.5	0.6	330.6	0.17	97.60
127.0-128.0	6.3	0.5	331.1	0.16	97.77
128.0-129.0	6.1	0.5	331.7	0.15	97.92
129.0-130.0	5.8	0.5	332.1	0.15	98.06
130.0-131.0	5.6	0.5	332.6	0.14	98.20
131.0-132.0	5.4	0.4	333.1	0.13	98.33
132.0-133.0	5.1	0.4	333.5	0.12	98.46
133.0-134.0	4.9	0.4	333.9	0.12	98.57
134.0-135.0	4.7	0.4	334.2	0.11	98.68
135.0-136.0	4.5	0.3	334.6	0.10	98.78
136.0-137.0	4.3	0.3	334.9	0.10	98.88
137.0-138.0	4.1	0.3	335.2	0.09	98.97
138.0-139.0	3.9	0.3	335.5	0.08	99.05
139.0-140.0	3.8	0.3	335.8	0.08	99.13
140.0-141.0	3.6	0.3	336.0	0.07	99.21
141.0-142.0	3.5	0.2	336.3	0.07	99.28
142.0-143.0	3.3	0.2	336.5	0.06	99.34
143.0-144.0	3.0	0.2	336.7	0.06	99.40

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

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	2.9	0.2	336.9	0.05	99.45
145.0-146.0	2.8	0.2	337.0	0.05	99.51
146.0-147.0	2.6	0.2	337.2	0.05	99.55
147.0-148.0	2.4	0.1	337.3	0.04	99.59
148.0-149.0	2.3	0.1	337.5	0.04	99.63
149.0-150.0	2.2	0.1	337.6	0.04	99.67
150.0-151.0	2.1	0.1	337.7	0.03	99.70
151.0-152.0	2.0	0.1	337.8	0.03	99.73
152.0-153.0	1.9	0.1	337.9	0.03	99.76
153.0-154.0	1.8	0.1	338.0	0.03	99.79
154.0-155.0	1.7	0.1	338.1	0.02	99.81
155.0-156.0	1.6	0.1	338.1	0.02	99.83
156.0-157.0	1.5	0.1	338.2	0.02	99.85
157.0-158.0	1.4	0.1	338.2	0.02	99.87
158.0-159.0	1.4	0.1	338.3	0.02	99.88
159.0-160.0	1.3	0.0	338.4	0.01	99.90
160.0-161.0	1.2	0.0	338.4	0.01	99.91
161.0-162.0	1.2	0.0	338.4	0.01	99.92
162.0-163.0	1.1	0.0	338.5	0.01	99.93
163.0-164.0	1.0	0.0	338.5	0.01	99.94
164.0-165.0	1.0	0.0	338.5	0.01	99.95
165.0-166.0	0.9	0.0	338.6	0.01	99.96
166.0-167.0	0.9	0.0	338.6	0.01	99.96
167.0-168.0	0.8	0.0	338.6	0.01	99.97
168.0-169.0	0.8	0.0	338.6	0.00	99.98
169.0-170.0	0.8	0.0	338.6	0.00	99.98
170.0-171.0	0.7	0.0	338.6	0.00	99.98
171.0-172.0	0.7	0.0	338.7	0.00	99.99
172.0-173.0	0.7	0.0	338.7	0.00	99.99
173.0-174.0	0.7	0.0	338.7	0.00	99.99
174.0-175.0	0.7	0.0	338.7	0.00	100.00
175.0-176.0	0.7	0.0	338.7	0.00	100.00
176.0-177.0	0.7	0.0	338.7	0.00	100.00
177.0-178.0	0.7	0.0	338.7	0.00	100.00
178.0-179.0	0.7	0.0	338.7	0.00	100.00
179.0-180.0	0.7	0.0	338.7	0.00	100.00

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

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