GENLED Brands
www.genledbrands.com
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Fax:

Report No.: 20230811 **Test Time: 2023/8/11 15:17**

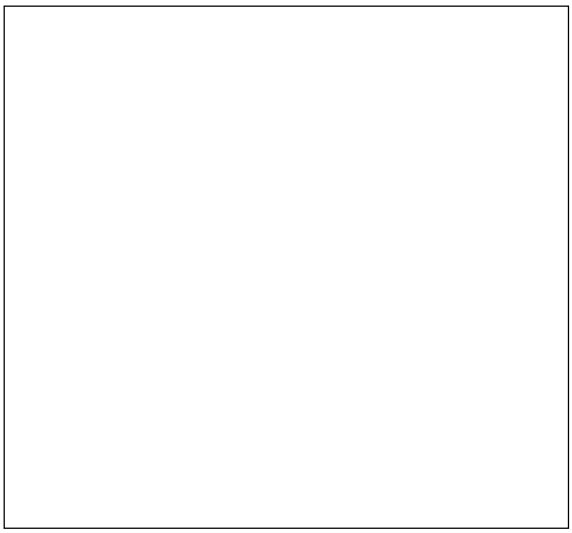
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Pixel Bar
Luminaire Description: Pixel Bar 900 mm Round Milky White
Lamp Description: RGBW+3000 **Luminous Length (mm): 900**
Luminous Width (mm): 40 **Luminous Height (mm): 30**
Voltage: 219.4 V **Current: 0.074 A**
Power: 13.66 W **Power Factor: 0.845**

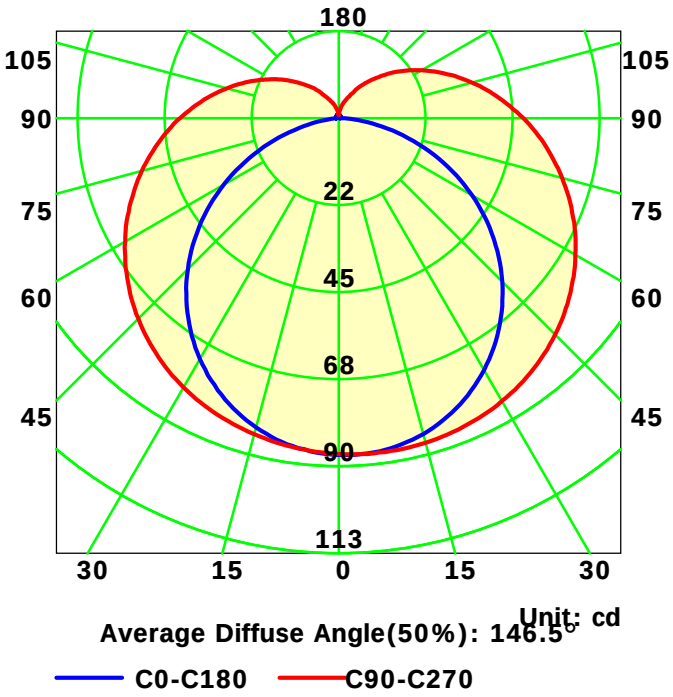
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 427.6 lm**
Measurement Flux: 427.6 lm **Efficiency: 100%**
Downward Ratio: 81% **Upward Ratio: 19%**
Horizontal Diffuse Angle(10%,50%): H158.6,H111.1
Vertical Diffuse Angle(10%,50%): V292.5,V182
Luminaire Efficacy Rating (LER): 31 **Central Intensity: 87.89 cd**
Max. Intensity: 88.02 cd **Pos of Max. Intensity: H90 V8**

Picture Of Luminaire

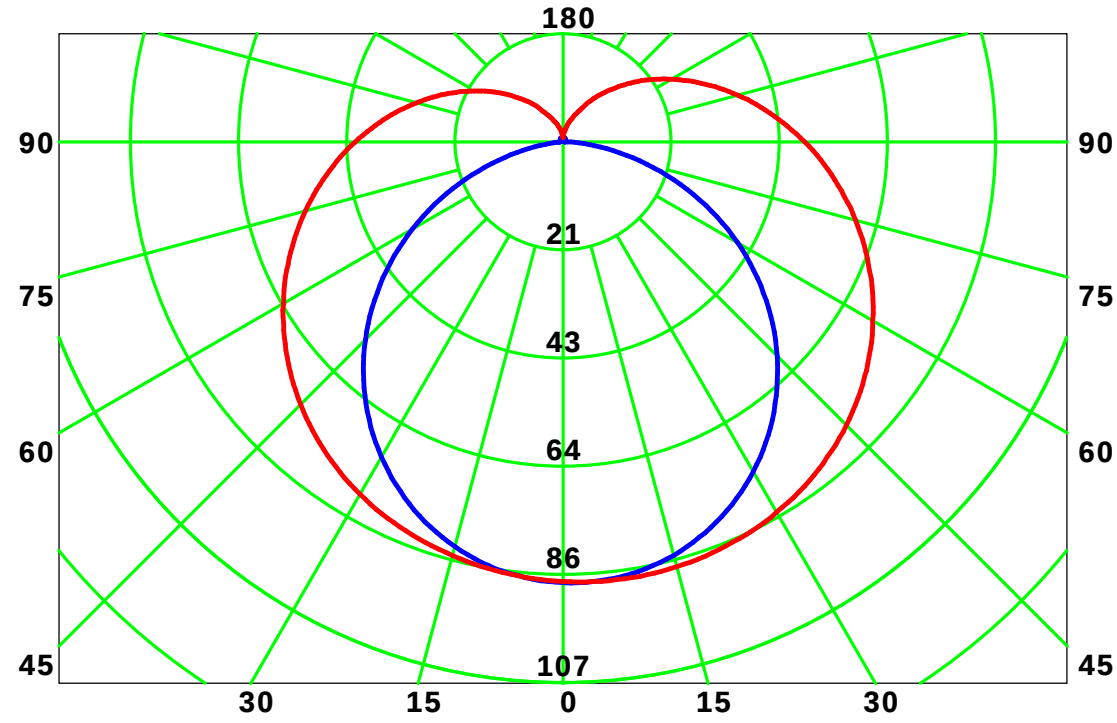


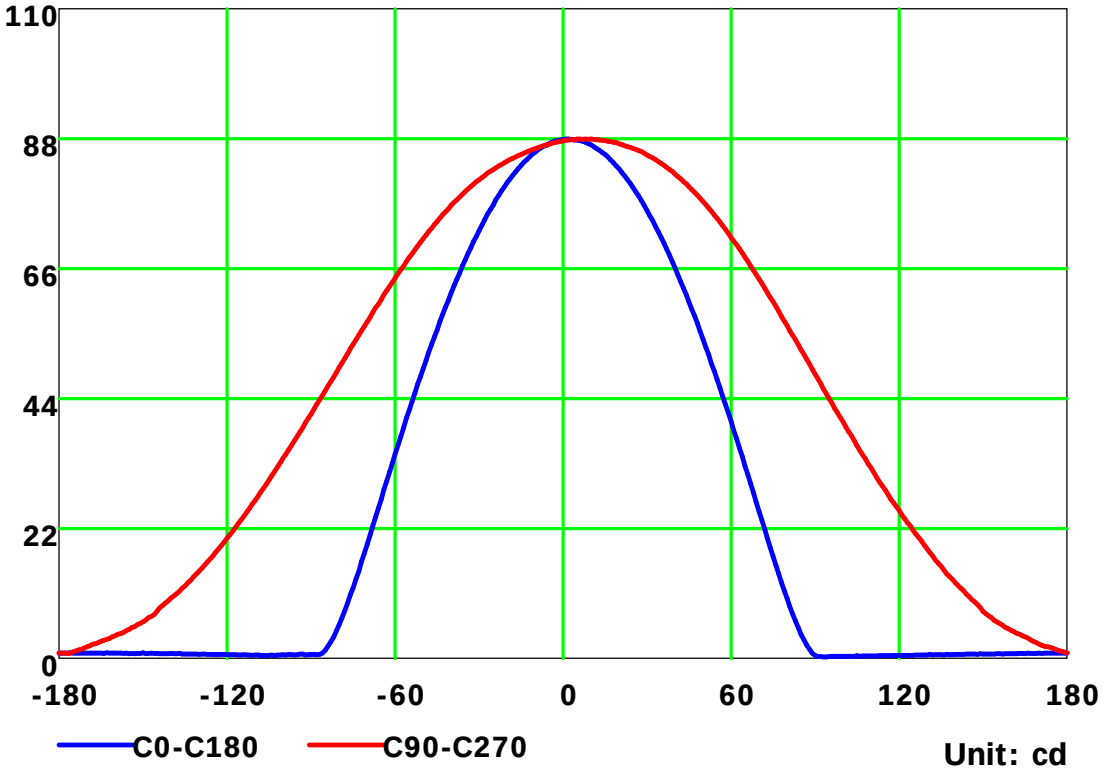
Luminous Intensity Distribution Curve



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

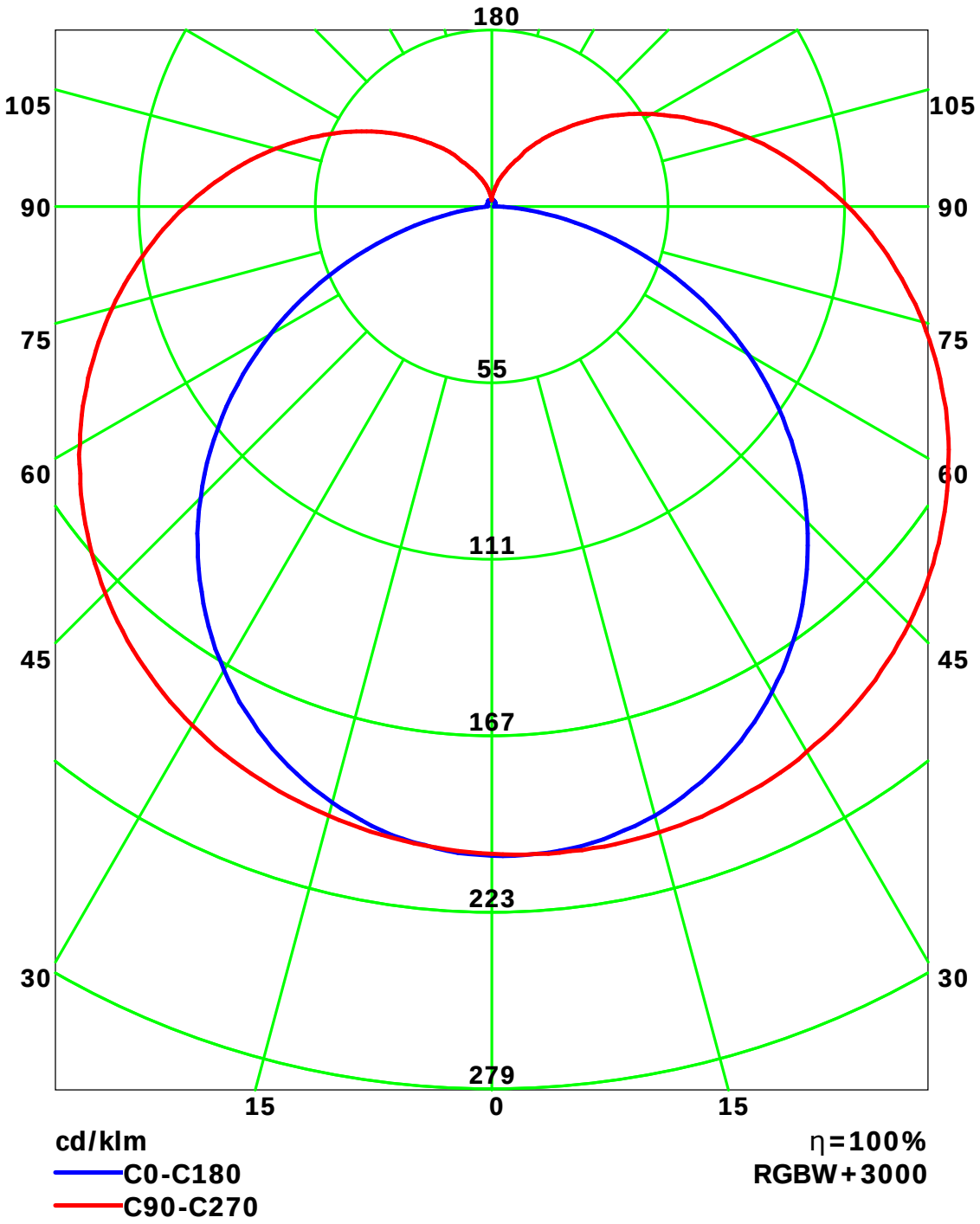




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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:
Test Type: TYPE C
Temperature: 25
Operator: Nick

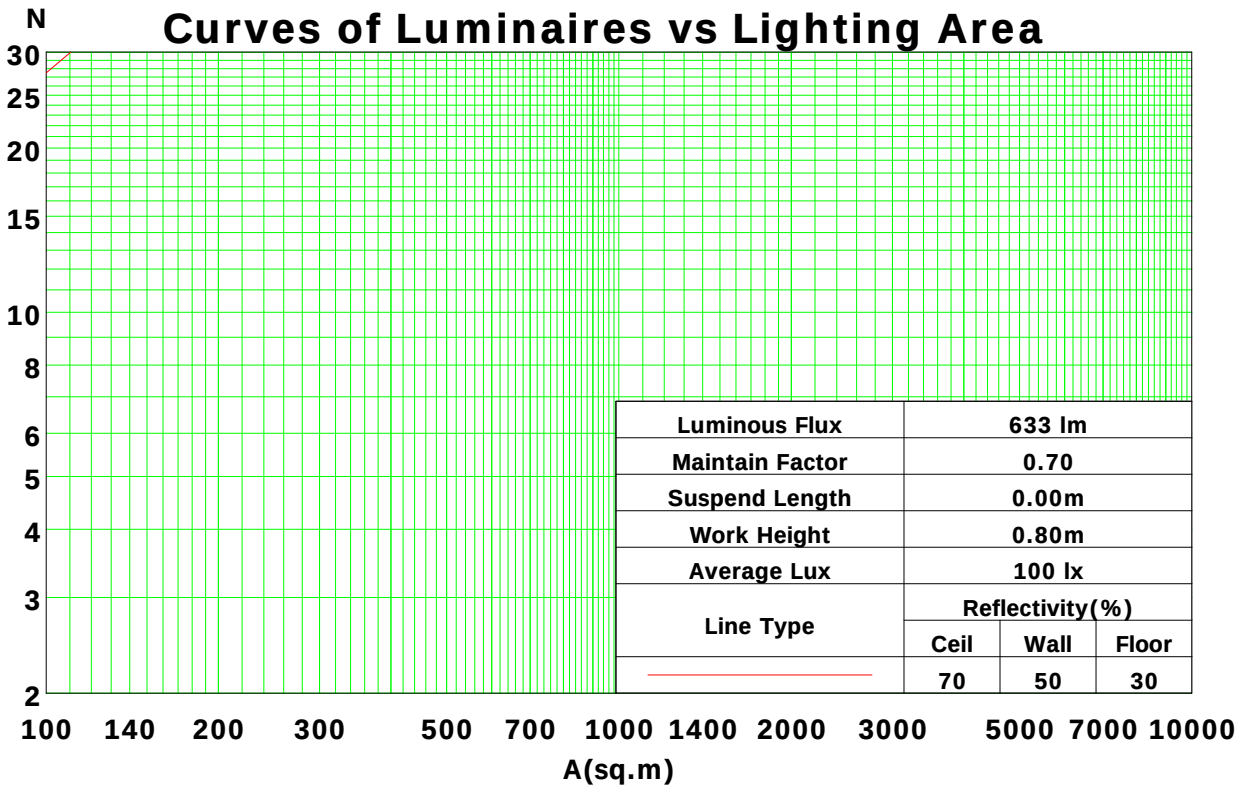
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	101	95	90	85	96	91	86	82	83	79	76	76	73	70	69	67	65	61
2	91	81	73	67	86	78	70	64	71	65	60	65	60	56	59	55	52	48
3	82	70	61	54	78	67	59	52	61	55	49	56	50	46	51	47	43	39
4	75	62	52	45	71	59	50	44	54	47	41	49	43	38	45	40	36	33
5	68	55	45	38	65	52	44	37	48	41	35	44	38	33	40	35	31	28
6	63	49	39	33	60	47	38	32	43	36	30	40	33	28	36	31	27	24
7	58	44	35	29	55	42	34	28	39	32	26	36	30	25	33	28	23	21
8	54	40	31	25	51	38	30	25	36	28	23	33	27	22	30	25	21	19
9	50	37	28	22	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	26	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.43
Spacing Criteria (Diagonal): 1.49

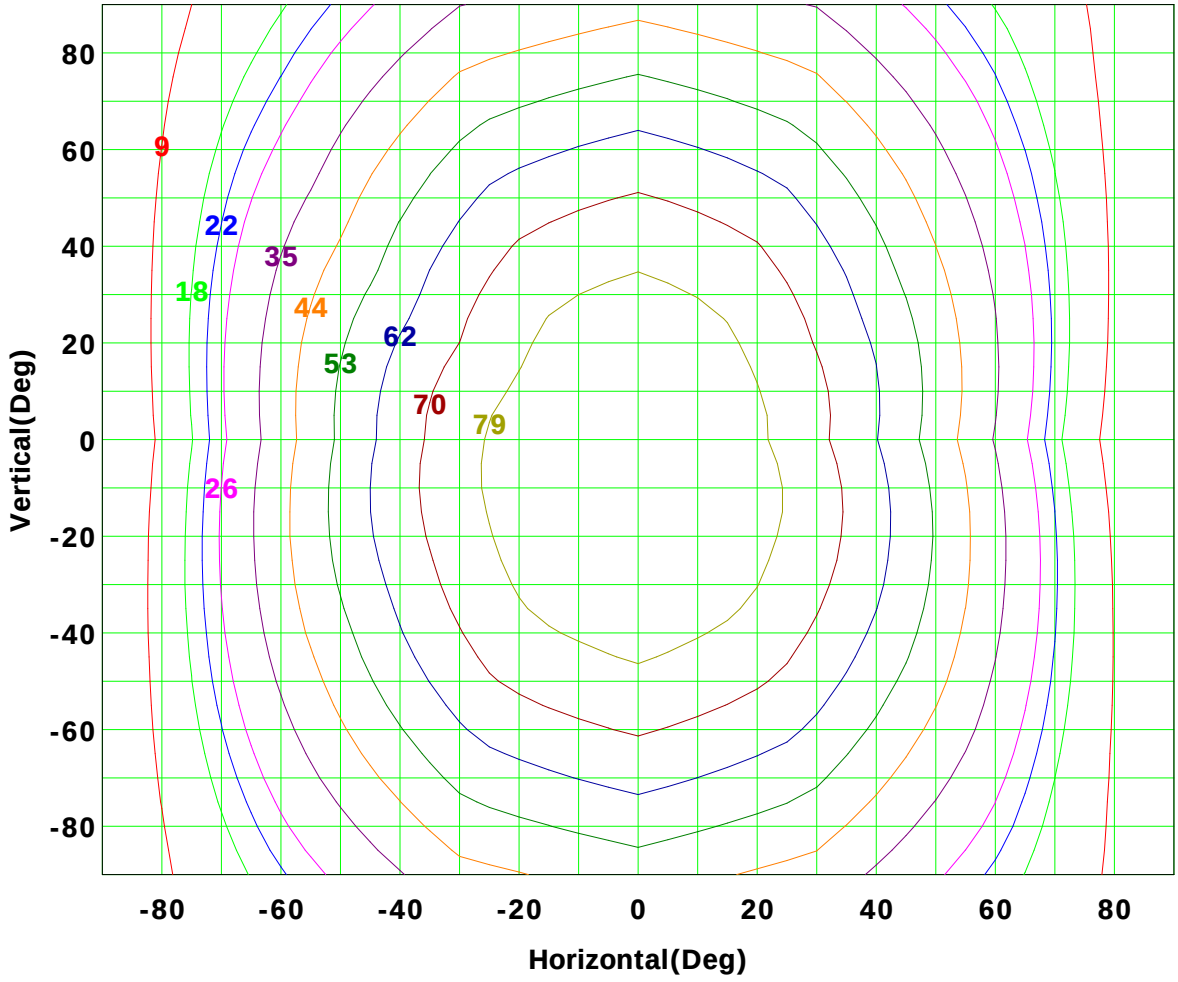
Curves of Luminaires vs Lighting Area



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)



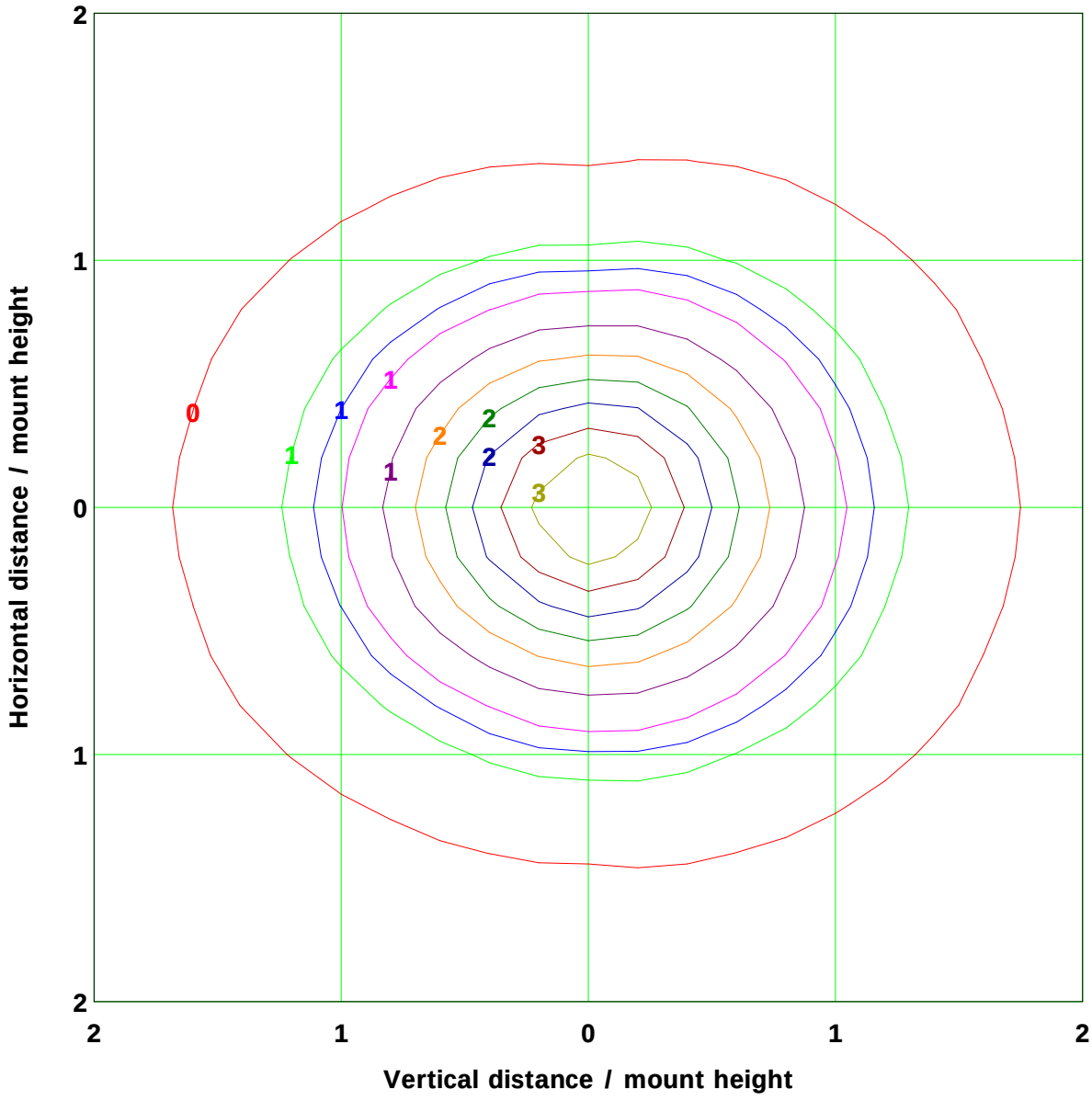
Imax (100%): 88 cd

(10%):	9 cd	(20%):	18 cd
(25%):	22 cd	(30%):	26 cd
(40%):	35 cd	(50%):	44 cd
(60%):	53 cd	(70%):	62 cd
(80%):	70 cd	(90%):	79 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%): 3.5 lx

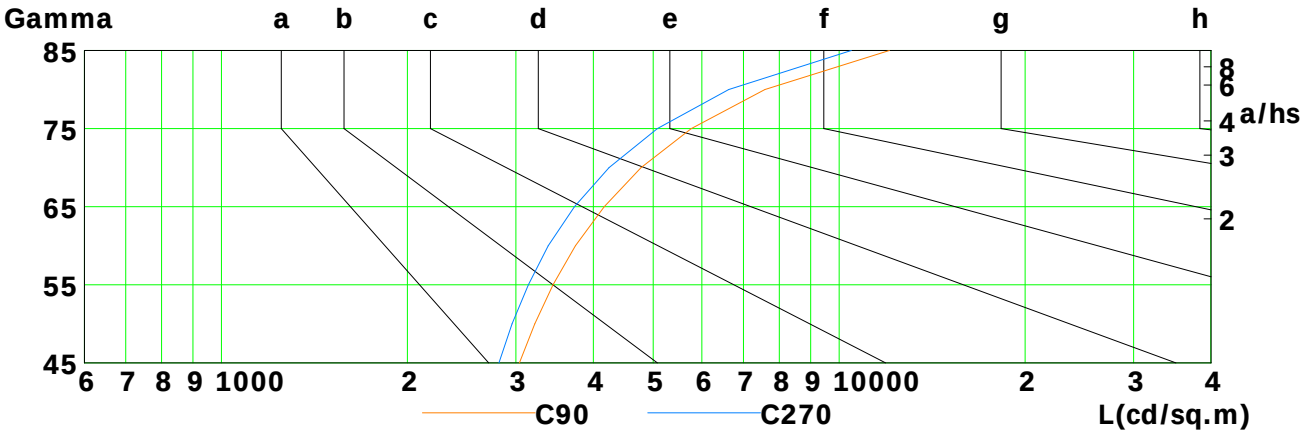
(10%): 0.4 lx	(20%): 0.7 lx
(25%): 0.9 lx	(30%): 1.1 lx
(40%): 1.4 lx	(50%): 1.8 lx
(60%): 2.1 lx	(70%): 2.5 lx
(80%): 2.8 lx	(90%): 3.2 lx

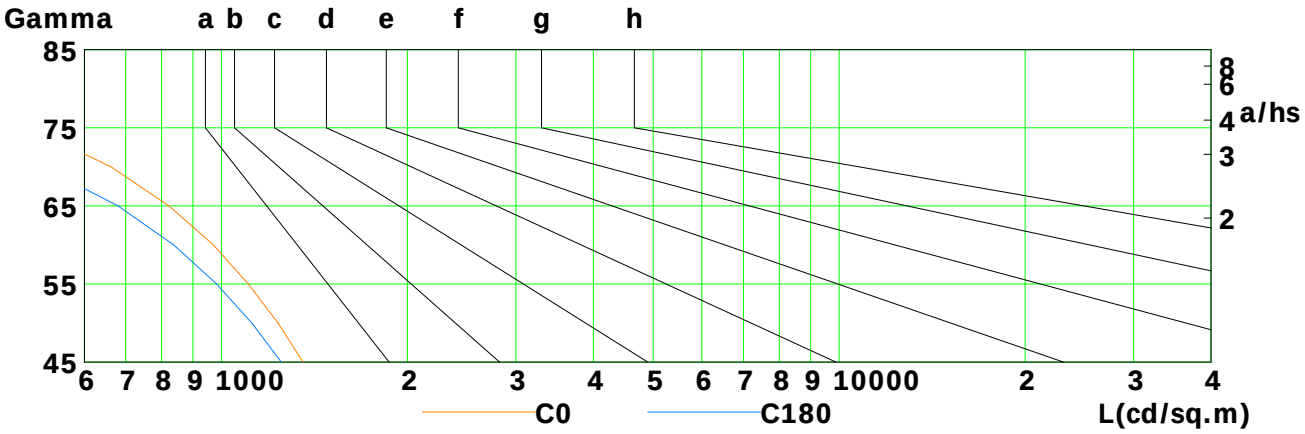
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



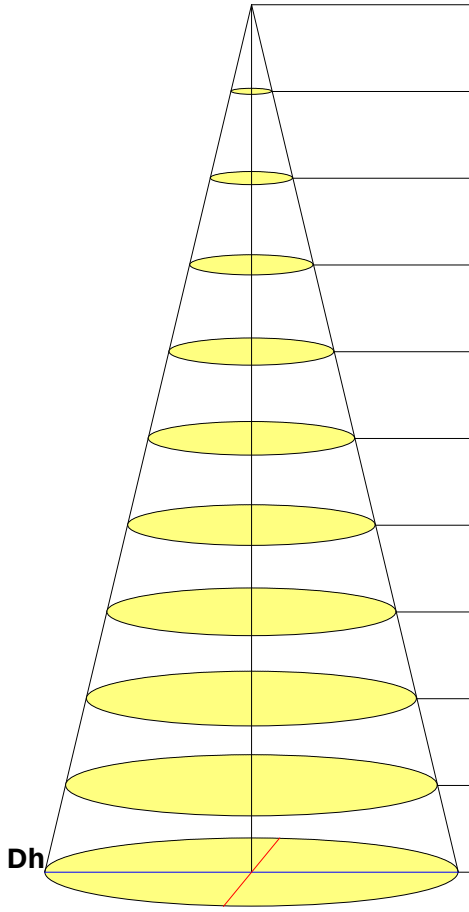


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1356	1235	1106	971	822	663	489	309	139
C90	3038	3217	3445	3745	4169	4783	5768	7586	12070
C180	1251	1121	983	837	680	515	339	174	49
C270	2815	2956	3139	3382	3732	4245	5082	6628	10475

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



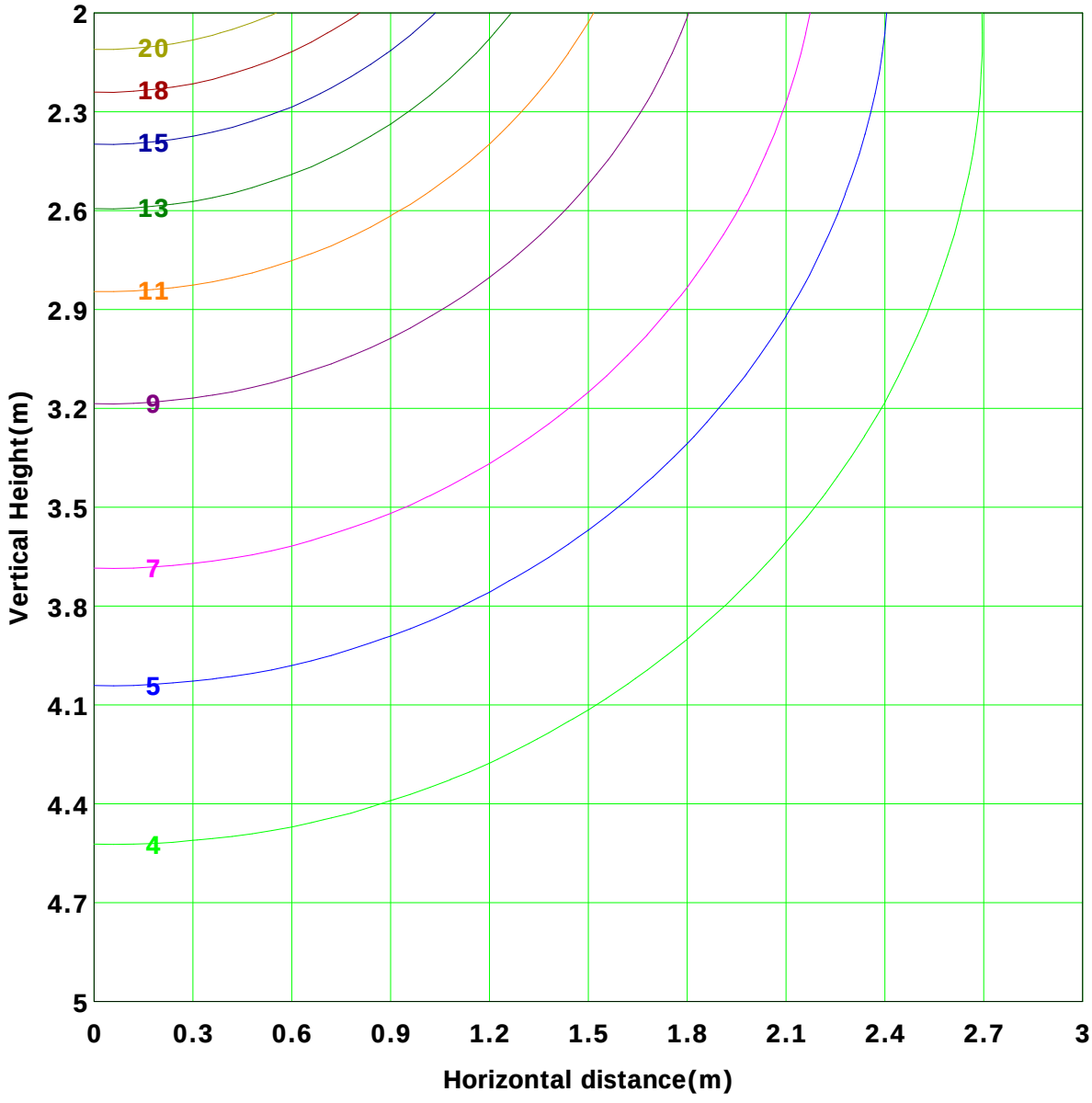
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	87.89	2.91/NA	NA	NA
2.0	21.97	5.83/NA	NA	NA
3.0	9.77	8.74/NA	NA	NA
4.0	5.49	11.66/NA	NA	NA
5.0	3.52	14.57/NA	NA	NA
6.0	2.44	17.48/NA	NA	NA
7.0	1.79	20.40/NA	NA	NA
8.0	1.37	23.31/NA	NA	NA
9.0	1.09	26.23/NA	NA	NA
10.0	0.88	29.14/NA	NA	NA

Beam Angle(B): H111.1 V182.0 Field Angle(F): H158.6 V292.5

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: 22.0 lx

(10%): 2.2 lx	(20%): 4.4 lx
(25%): 5.5 lx	(30%): 6.6 lx
(40%): 8.8 lx	(50%): 11.0 lx
(60%): 13.2 lx	(70%): 15.4 lx
(80%): 17.6 lx	(90%): 19.8 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:

Area Flux Table

Unit: lm

Vertical plane

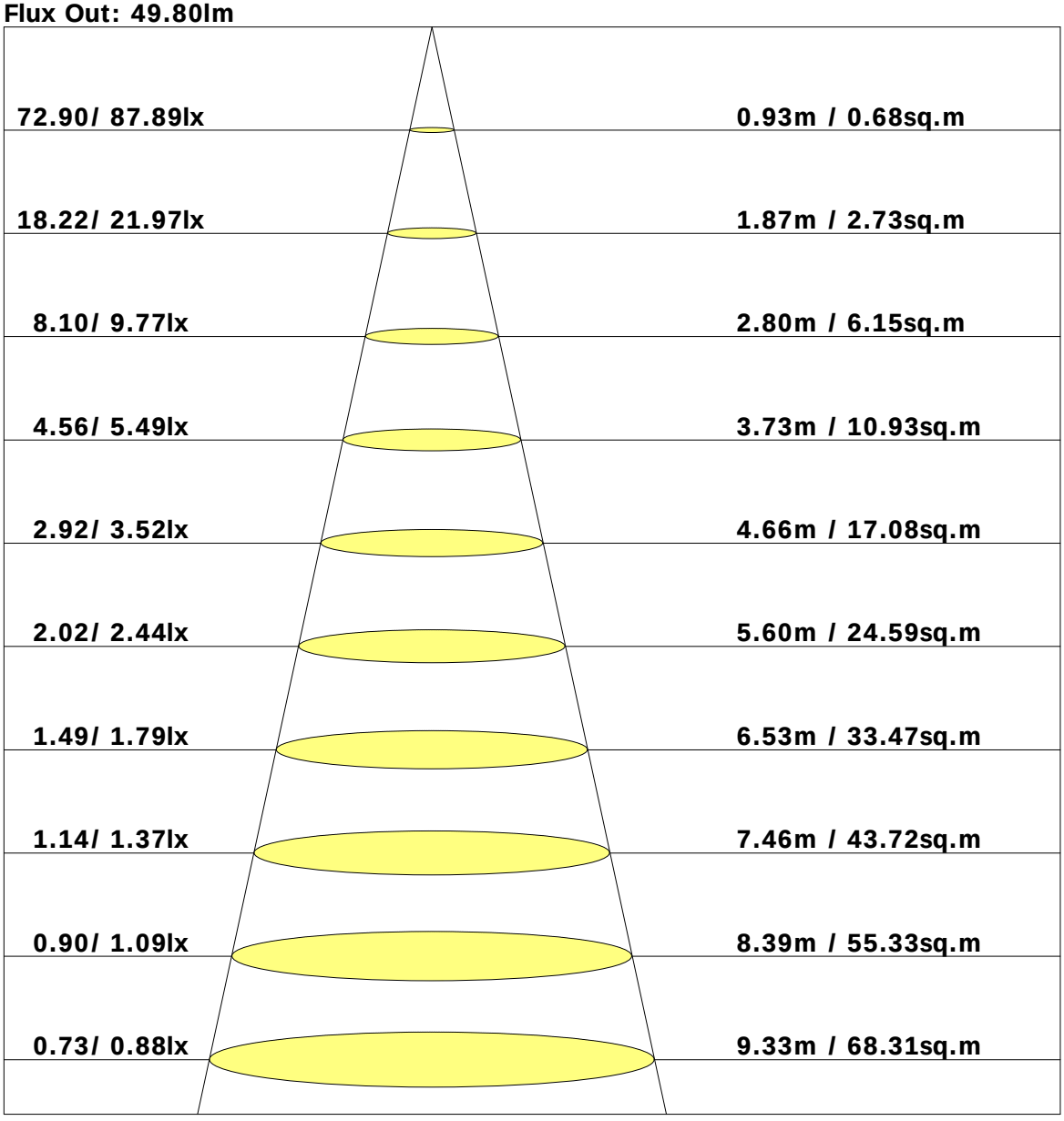
Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
-80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	1.9	1.8
-70	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	5.9	5.9
-60	0.4	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.2	11.7	11.7
-50	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.2	1.0	0.8	0.7	0.3	18.5	18.5
-40	0.9	1.0	1.2	1.3	1.3	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.4	1.2	1.0	0.4	25.6	25.6
-30	1.1	1.3	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.8	1.5	1.3	0.5	32.0	32.0
-20	1.2	1.5	1.7	1.9	1.9	2.1	2.2	2.2	2.4	2.5	2.4	2.4	2.4	2.3	2.2	2.1	1.7	1.4	0.6	36.6	36.6
-10	1.3	1.6	1.8	2.0	2.0	2.2	2.4	2.4	2.6	2.6	2.6	2.6	2.6	2.5	2.4	2.2	1.8	1.5	0.6	39.3	39.3
0	1.3	1.6	1.8	2.0	2.0	2.2	2.4	2.5	2.6	2.7	2.7	2.6	2.6	2.5	2.4	2.2	1.8	1.6	0.6	39.4	39.4
10	1.2	1.5	1.7	1.9	1.9	2.1	2.2	2.4	2.5	2.5	2.5	2.5	2.4	2.3	2.2	2.1	1.7	1.4	0.6	36.8	36.8
20	1.1	1.3	1.5	1.7	1.7	1.8	2.0	2.1	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.5	1.3	0.5	32.4	32.4
30	0.9	1.0	1.2	1.3	1.3	1.5	1.6	1.7	1.8	1.8	1.8	1.8	1.7	1.6	1.5	1.4	1.2	1.0	0.4	26.1	26.1
40	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.0	0.8	0.7	0.3	19.0	19.0
50	0.4	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.2	12.3	12.3
60	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.1	6.5	6.5
70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	2.3	2.3
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	0.3	0.1
90	11.7	13.6	15.8	17.6	19.3	20.7	21.8	22.6	23.0	23.4	23.5	23.1	22.4	21.8	19.7	17.9	15.8	13.6	0.0	347	
Flux(T)	13.7	15.7	17.6	19.3	20.7	21.8	22.6	23.0	23.4	23.5	23.1	22.4	21.8	19.7	17.8	15.8	13.6	0.0			
Flux(E)	11.6	13.7	15.7	17.6	19.3	20.7	21.8	22.6	23.0	23.4	23.5	23.1	22.4	21.8	19.7	17.8	15.8				

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: 49.80lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / Area

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Temperature: 25
Operator: Nick

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	15.0	16.4	15.7	17.1	17.8	16.2	17.5	16.8	18.2	18.9
3H	17.0	18.2	17.6	18.9	19.6	18.7	20.0	19.3	20.6	21.4
4H	17.7	18.9	18.3	19.5	20.3	19.9	21.1	20.5	21.7	22.5
6H	18.2	19.3	18.9	20.0	20.8	21.1	22.2	21.7	22.8	23.6
8H	18.4	19.4	19.0	20.1	20.9	21.6	22.7	22.3	23.4	24.2
12H	18.5	19.5	19.1	20.2	21.0	22.1	23.2	22.8	23.9	24.7
X=4H Y=2H	15.8	17.0	16.5	17.7	18.5	16.8	18.0	17.4	18.6	19.4
3H	18.0	19.0	18.7	19.7	20.5	19.6	20.6	20.3	21.3	22.1
4H	18.9	19.8	19.6	20.5	21.4	21.0	21.9	21.7	22.6	23.5
6H	19.6	20.4	20.3	21.2	22.0	22.3	23.2	23.0	23.9	24.7
8H	19.8	20.6	20.5	21.4	22.2	23.0	23.8	23.7	24.5	25.4
12H	20.0	20.7	20.7	21.5	22.3	23.6	24.3	24.3	25.1	26.0
X=8H Y=4H	19.5	20.3	20.2	21.1	21.9	21.3	22.1	22.1	22.9	23.7
6H	20.5	21.2	21.2	21.9	22.8	22.9	23.6	23.7	24.4	25.2
8H	20.9	21.5	21.6	22.3	23.1	23.8	24.4	24.5	25.1	26.0
12H	21.2	21.7	21.9	22.5	23.4	24.6	25.1	25.3	25.9	26.8
X=12H Y=4H	19.7	20.4	20.4	21.2	22.0	21.4	22.1	22.1	22.9	23.7
6H	20.8	21.4	21.5	22.1	23.0	23.1	23.7	23.8	24.4	25.3
8H	21.3	21.8	22.0	22.6	23.5	24.0	24.5	24.7	25.3	26.2

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	0.48	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92
	0.30		0.40	0.48	0.55	0.60	0.68	0.74	0.78	0.84	0.88
	0.20		0.34	0.42	0.49	0.54	0.62	0.68	0.73	0.79	0.84
0.50	0.50	0.20	0.45	0.52	0.58	0.63	0.69	0.74	0.77	0.82	0.85
	0.30		0.38	0.45	0.51	0.56	0.63	0.68	0.72	0.77	0.81
	0.20		0.33	0.40	0.46	0.51	0.58	0.64	0.68	0.73	0.78
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.64	0.68	0.71	0.75	0.77
	0.30		0.36	0.42	0.48	0.52	0.59	0.63	0.67	0.71	0.75
	0.20		0.31	0.37	0.43	0.48	0.55	0.59	0.63	0.68	0.72
0.00	0.00	0.00	0.27	0.33	0.38	0.42	0.48	0.52	0.55	0.60	0.63

Rating:14W 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	0.77	0.68	0.56	0.48	0.42	0.34	0.28
	0.30		0.85	0.76	0.67	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.73	0.66	0.59	0.54	0.46	0.41	0.36	0.30	0.26
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	0.57	0.48	0.41	0.36	0.30	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	0.88	0.76	0.66	0.59	0.48	0.41	0.36	0.29	0.25
	0.30		0.75	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.24
	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:14W 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	0.35	0.36	0.37	0.38	0.39	0.39	0.39	0.40	0.40
	0.30		0.28	0.29	0.31	0.32	0.33	0.34	0.35	0.36	0.37
	0.20		0.23	0.24	0.25	0.27	0.28	0.30	0.31	0.33	0.34
0.50	0.50	0.20	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.38
	0.30		0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.35
	0.20		0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.32	0.33
0.30	0.50	0.20	0.33	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34
	0.20		0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.32
0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Rating:14W 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	87.7	0.1	0.1	0.02	0.02
1.0-2.0	87.7	0.3	0.3	0.06	0.08
2.0-3.0	87.7	0.4	0.8	0.10	0.18
3.0-4.0	87.6	0.6	1.3	0.14	0.31
4.0-5.0	87.5	0.8	2.1	0.18	0.49
5.0-6.0	87.4	0.9	3.0	0.21	0.70
6.0-7.0	87.3	1.1	4.1	0.25	0.96
7.0-8.0	87.2	1.2	5.3	0.29	1.25
8.0-9.0	87.0	1.4	6.8	0.33	1.58
9.0-10.0	86.8	1.6	8.3	0.37	1.95
10.0-11.0	86.6	1.7	10.1	0.40	2.35
11.0-12.0	86.4	1.9	11.9	0.44	2.79
12.0-13.0	86.1	2.0	14.0	0.48	3.27
13.0-14.0	85.9	2.2	16.2	0.51	3.79
14.0-15.0	85.6	2.4	18.5	0.55	4.33
15.0-16.0	85.3	2.5	21.0	0.58	4.92
16.0-17.0	85.0	2.6	23.7	0.62	5.54
17.0-18.0	84.6	2.8	26.5	0.65	6.19
18.0-19.0	84.3	2.9	29.4	0.69	6.88
19.0-20.0	83.9	3.1	32.5	0.72	7.59
20.0-21.0	83.5	3.2	35.7	0.75	8.34
21.0-22.0	83.1	3.3	39.0	0.78	9.12
22.0-23.0	82.6	3.5	42.5	0.81	9.94
23.0-24.0	82.2	3.6	46.1	0.84	10.78
24.0-25.0	81.7	3.7	49.8	0.87	11.64
25.0-26.0	81.2	3.8	53.6	0.90	12.54
26.0-27.0	80.7	3.9	57.6	0.92	13.46
27.0-28.0	80.2	4.1	61.6	0.95	14.41
28.0-29.0	79.6	4.2	65.8	0.97	15.39
29.0-30.0	79.1	4.3	70.1	1.00	16.39
30.0-31.0	78.5	4.4	74.4	1.02	17.41
31.0-32.0	77.9	4.5	78.9	1.04	18.45
32.0-33.0	77.3	4.6	83.5	1.06	19.52
33.0-34.0	76.6	4.6	88.1	1.08	20.60
34.0-35.0	76.0	4.7	92.8	1.10	21.71
35.0-36.0	75.3	4.8	97.6	1.12	22.83

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	74.6	4.9	102.5	1.14	23.96
37.0-38.0	73.9	4.9	107.4	1.15	25.12
38.0-39.0	73.2	5.0	112.4	1.17	26.29
39.0-40.0	72.5	5.1	117.5	1.18	27.47
40.0-41.0	71.7	5.1	122.6	1.19	28.66
41.0-42.0	70.9	5.2	127.7	1.21	29.87
42.0-43.0	70.2	5.2	132.9	1.22	31.08
43.0-44.0	69.4	5.2	138.2	1.22	32.31
44.0-45.0	68.6	5.3	143.4	1.23	33.54
45.0-46.0	67.7	5.3	148.7	1.24	34.78
46.0-47.0	66.9	5.3	154.1	1.24	36.02
47.0-48.0	66.1	5.3	159.4	1.25	37.27
48.0-49.0	65.2	5.4	164.8	1.25	38.53
49.0-50.0	64.3	5.4	170.1	1.25	39.78
50.0-51.0	63.4	5.4	175.5	1.25	41.03
51.0-52.0	62.5	5.4	180.8	1.25	42.29
52.0-53.0	61.6	5.4	186.2	1.25	43.54
53.0-54.0	60.7	5.3	191.5	1.25	44.79
54.0-55.0	59.7	5.3	196.9	1.25	46.04
55.0-56.0	58.8	5.3	202.2	1.24	47.28
56.0-57.0	57.8	5.3	207.5	1.24	48.52
57.0-58.0	56.9	5.3	212.7	1.23	49.75
58.0-59.0	55.9	5.2	218.0	1.22	50.97
59.0-60.0	54.9	5.2	223.2	1.21	52.18
60.0-61.0	54.0	5.1	228.3	1.20	53.39
61.0-62.0	53.0	5.1	233.4	1.19	54.58
62.0-63.0	52.0	5.1	238.5	1.18	55.76
63.0-64.0	51.0	5.0	243.5	1.17	56.93
64.0-65.0	50.0	4.9	248.4	1.16	58.09
65.0-66.0	49.0	4.9	253.3	1.14	59.23
66.0-67.0	47.9	4.8	258.1	1.13	60.36
67.0-68.0	46.9	4.8	262.9	1.11	61.47
68.0-69.0	45.9	4.7	267.6	1.10	62.57
69.0-70.0	44.9	4.6	272.2	1.08	63.65
70.0-71.0	43.9	4.5	276.7	1.06	64.71
71.0-72.0	42.9	4.5	281.2	1.04	65.75

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	41.9	4.4	285.6	1.02	66.77
73.0-74.0	40.9	4.3	289.9	1.01	67.78
74.0-75.0	39.9	4.2	294.1	0.99	68.77
75.0-76.0	38.9	4.1	298.2	0.97	69.73
76.0-77.0	37.9	4.0	302.2	0.95	70.68
77.0-78.0	37.0	4.0	306.2	0.93	71.60
78.0-79.0	36.0	3.9	310.1	0.90	72.51
79.0-80.0	35.1	3.8	313.9	0.88	73.39
80.0-81.0	34.1	3.7	317.5	0.86	74.26
81.0-82.0	33.2	3.6	321.2	0.84	75.10
82.0-83.0	32.3	3.5	324.7	0.82	75.92
83.0-84.0	31.5	3.4	328.1	0.80	76.72
84.0-85.0	30.7	3.3	331.4	0.78	77.50
85.0-86.0	29.9	3.3	334.7	0.76	78.27
86.0-87.0	29.1	3.2	337.9	0.74	79.01
87.0-88.0	28.3	3.1	341.0	0.73	79.74
88.0-89.0	27.6	3.0	344.0	0.71	80.45
89.0-90.0	26.9	3.0	347.0	0.69	81.14
90.0-91.0	26.3	2.9	349.9	0.67	81.81
91.0-92.0	25.7	2.8	352.7	0.66	82.47
92.0-93.0	25.0	2.7	355.4	0.64	83.11
93.0-94.0	24.5	2.7	358.1	0.63	83.74
94.0-95.0	23.9	2.6	360.7	0.61	84.35
95.0-96.0	23.3	2.5	363.2	0.59	84.94
96.0-97.0	22.7	2.5	365.7	0.58	85.52
97.0-98.0	22.2	2.4	368.1	0.56	86.08
98.0-99.0	21.7	2.4	370.5	0.55	86.63
99.0-100.0	21.2	2.3	372.8	0.53	87.17
100.0-101.0	20.6	2.2	375.0	0.52	87.69
101.0-102.0	20.1	2.2	377.2	0.51	88.19
102.0-103.0	19.6	2.1	379.3	0.49	88.69
103.0-104.0	19.2	2.0	381.3	0.48	89.16
104.0-105.0	18.7	2.0	383.3	0.46	89.63
105.0-106.0	18.2	1.9	385.2	0.45	90.08
106.0-107.0	17.7	1.9	387.1	0.44	90.51
107.0-108.0	17.3	1.8	388.9	0.42	90.94

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	16.9	1.8	390.6	0.41	91.35
109.0-110.0	16.4	1.7	392.3	0.40	91.74
110.0-111.0	16.0	1.6	394.0	0.38	92.13
111.0-112.0	15.6	1.6	395.6	0.37	92.50
112.0-113.0	15.2	1.5	397.1	0.36	92.86
113.0-114.0	14.8	1.5	398.6	0.35	93.21
114.0-115.0	14.4	1.4	400.0	0.34	93.54
115.0-116.0	14.0	1.4	401.4	0.32	93.87
116.0-117.0	13.6	1.3	402.8	0.31	94.18
117.0-118.0	13.2	1.3	404.0	0.30	94.48
118.0-119.0	12.9	1.2	405.3	0.29	94.77
119.0-120.0	12.5	1.2	406.5	0.28	95.05
120.0-121.0	12.1	1.1	407.6	0.27	95.32
121.0-122.0	11.8	1.1	408.7	0.26	95.57
122.0-123.0	11.4	1.1	409.8	0.25	95.82
123.0-124.0	11.1	1.0	410.8	0.24	96.06
124.0-125.0	10.8	1.0	411.8	0.23	96.29
125.0-126.0	10.4	0.9	412.7	0.22	96.51
126.0-127.0	10.1	0.9	413.6	0.21	96.71
127.0-128.0	9.8	0.9	414.4	0.20	96.91
128.0-129.0	9.5	0.8	415.3	0.19	97.11
129.0-130.0	9.2	0.8	416.0	0.18	97.29
130.0-131.0	8.8	0.7	416.8	0.17	97.46
131.0-132.0	8.5	0.7	417.5	0.16	97.62
132.0-133.0	8.3	0.7	418.1	0.16	97.78
133.0-134.0	8.0	0.6	418.8	0.15	97.93
134.0-135.0	7.7	0.6	419.4	0.14	98.07
135.0-136.0	7.5	0.6	420.0	0.13	98.20
136.0-137.0	7.2	0.5	420.5	0.13	98.33
137.0-138.0	7.0	0.5	421.0	0.12	98.45
138.0-139.0	6.7	0.5	421.5	0.11	98.57
139.0-140.0	6.5	0.5	422.0	0.11	98.68
140.0-141.0	6.3	0.4	422.4	0.10	98.78
141.0-142.0	6.0	0.4	422.8	0.10	98.87
142.0-143.0	5.8	0.4	423.2	0.09	98.96
143.0-144.0	5.6	0.4	423.6	0.09	99.05

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	5.4	0.3	423.9	0.08	99.13
145.0-146.0	5.1	0.3	424.2	0.07	99.20
146.0-147.0	4.9	0.3	424.5	0.07	99.27
147.0-148.0	4.7	0.3	424.8	0.06	99.34
148.0-149.0	4.5	0.3	425.1	0.06	99.40
149.0-150.0	4.3	0.2	425.3	0.06	99.45
150.0-151.0	4.1	0.2	425.5	0.05	99.50
151.0-152.0	3.9	0.2	425.7	0.05	99.55
152.0-153.0	3.8	0.2	425.9	0.04	99.60
153.0-154.0	3.6	0.2	426.1	0.04	99.64
154.0-155.0	3.5	0.2	426.3	0.04	99.68
155.0-156.0	3.3	0.2	426.4	0.04	99.71
156.0-157.0	3.2	0.1	426.6	0.03	99.74
157.0-158.0	3.0	0.1	426.7	0.03	99.77
158.0-159.0	2.9	0.1	426.8	0.03	99.80
159.0-160.0	2.8	0.1	426.9	0.02	99.83
160.0-161.0	2.7	0.1	427.0	0.02	99.85
161.0-162.0	2.5	0.1	427.1	0.02	99.87
162.0-163.0	2.4	0.1	427.2	0.02	99.89
163.0-164.0	2.3	0.1	427.2	0.02	99.90
164.0-165.0	2.1	0.1	427.3	0.01	99.92
165.0-166.0	2.0	0.1	427.4	0.01	99.93
166.0-167.0	1.9	0.0	427.4	0.01	99.94
167.0-168.0	1.8	0.0	427.4	0.01	99.95
168.0-169.0	1.7	0.0	427.5	0.01	99.96
169.0-170.0	1.6	0.0	427.5	0.01	99.97
170.0-171.0	1.5	0.0	427.5	0.01	99.98
171.0-172.0	1.5	0.0	427.6	0.01	99.98
172.0-173.0	1.4	0.0	427.6	0.00	99.99
173.0-174.0	1.3	0.0	427.6	0.00	99.99
174.0-175.0	1.2	0.0	427.6	0.00	99.99
175.0-176.0	1.1	0.0	427.6	0.00	100.00
176.0-177.0	1.1	0.0	427.6	0.00	100.00
177.0-178.0	1.0	0.0	427.6	0.00	100.00
178.0-179.0	1.0	0.0	427.6	0.00	100.00
179.0-180.0	1.0	0.0	427.6	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: