ACOLYTE
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Report No.: **Test Time: 2021/2/18 10:38**

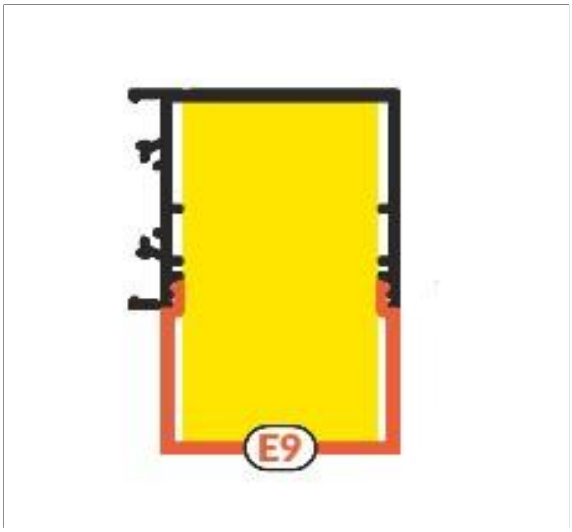
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AW38
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 2 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 38
Luminous Height (mm): 56
Voltage: 24.0 V
Current: 0.428 A
Power: 10.27 W
Power Factor: 1.000

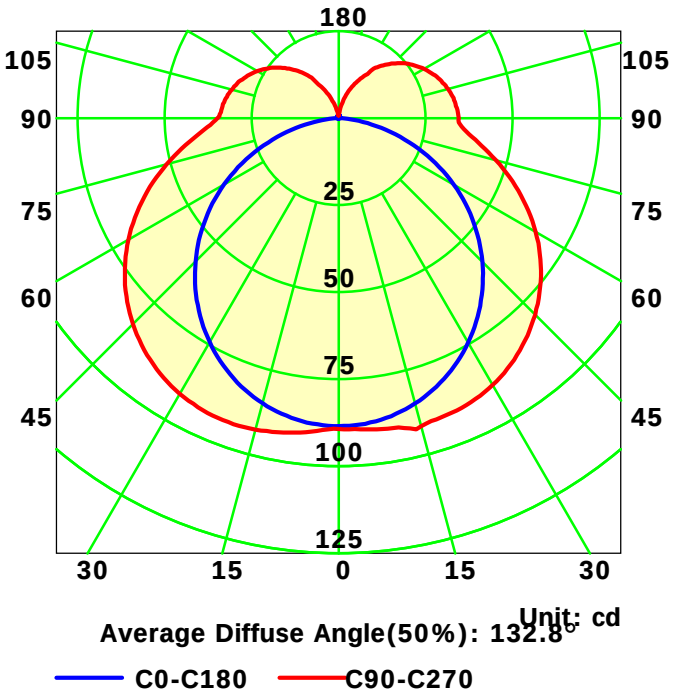
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 436.2 lm
Measurement Flux: 436.2 lm
Efficiency: 100%
Downward Ratio: 80%
Upward Ratio: 20%
Horizontal Diffuse Angle(10%,50%): H159.4,H111.5
Vertical Diffuse Angle(10%,50%): V310.9,V154.2
Luminaire Efficacy Rating (LER): 42
Central Intensity: 88.84 cd
Max. Intensity: 93.34 cd
Pos of Max. Intensity: H270 V19

Picture Of Luminaire



Luminous Intensity Distribution Curve



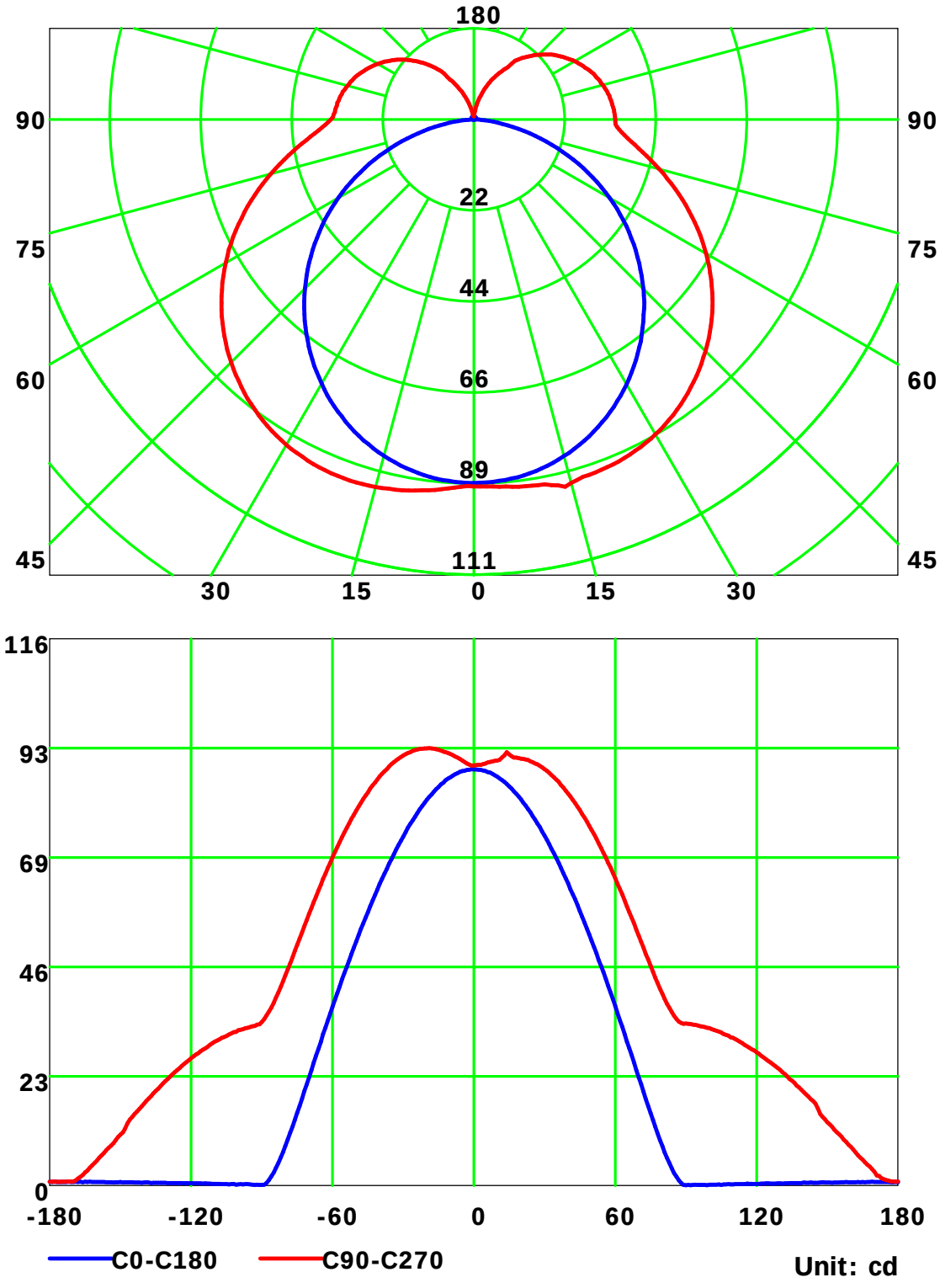
Unit: cd

Average Diffuse Angle(50%): 132.8°

C0-C180 **C90-C270**

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:

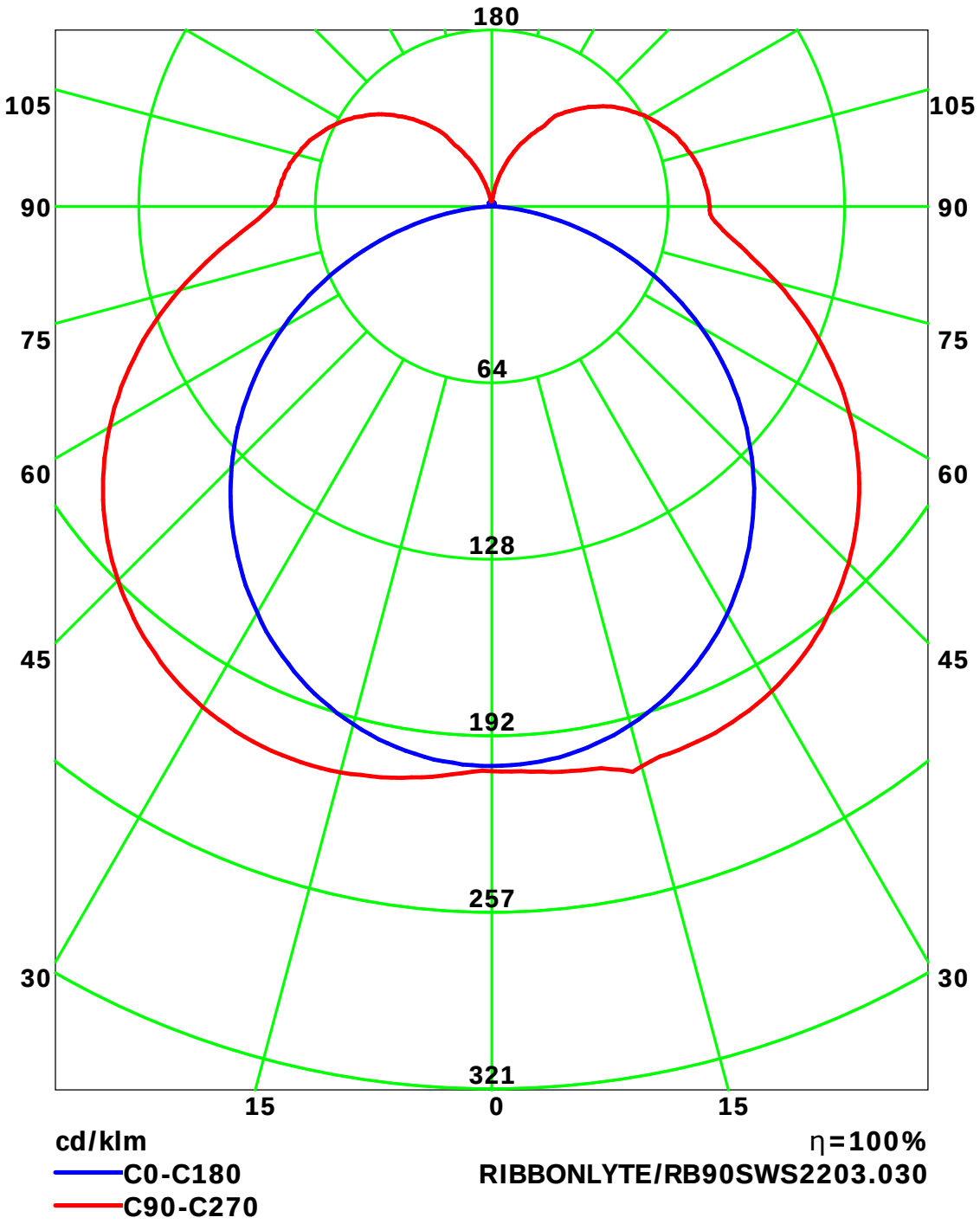
Luminous Intensity Distribution Curve



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

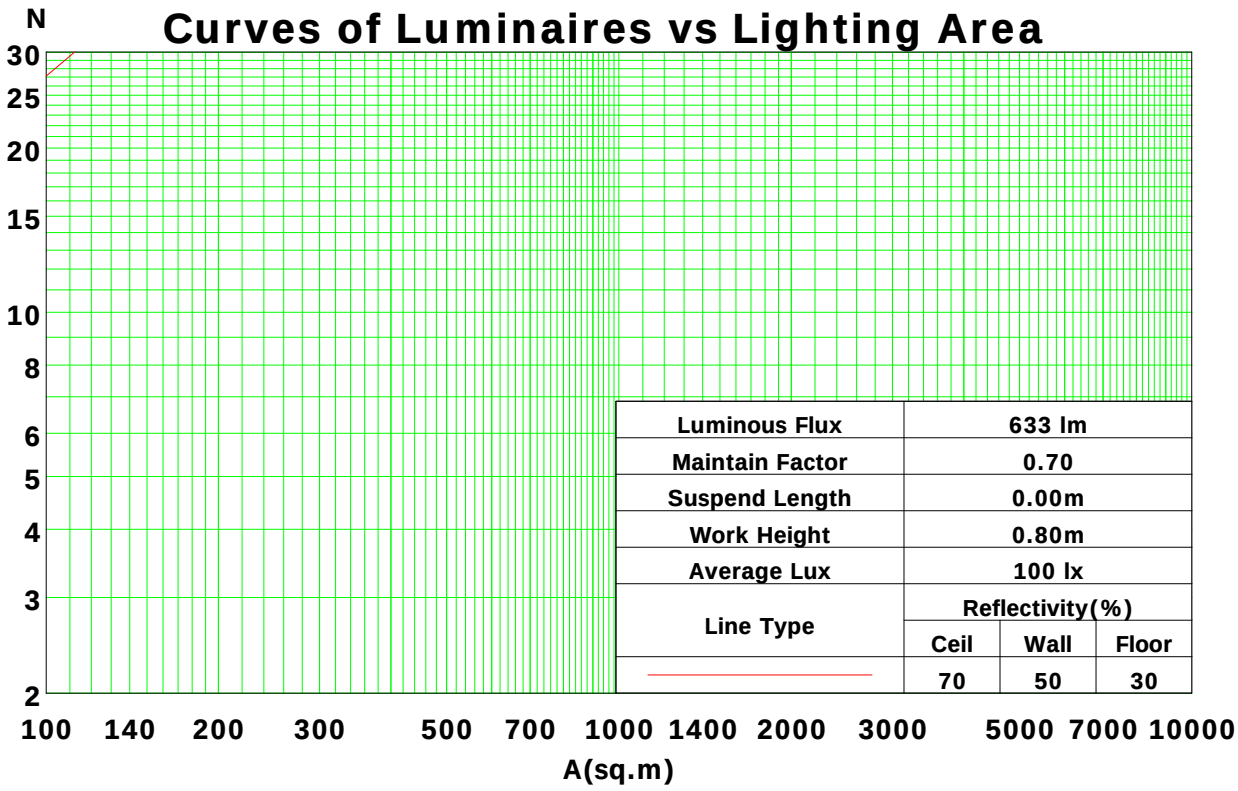
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	77	76	73	71	69	67	65	62
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	59	56	53	49
3	83	72	63	56	79	68	60	54	62	56	50	57	51	47	52	47	44	40
4	75	63	54	46	71	60	52	45	55	48	42	50	44	39	46	41	37	34
5	69	56	46	39	65	53	45	38	49	42	36	45	39	34	41	36	32	29
6	64	50	41	34	60	48	39	33	44	37	31	40	34	29	37	32	27	25
7	59	45	36	30	56	43	35	29	40	32	27	36	30	26	33	28	24	22
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	19
9	51	37	29	23	48	36	28	23	33	26	21	31	25	20	28	23	19	17
10	47	34	26	21	45	33	25	20	31	24	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.50
Spacing Criteria (Diagonal): 1.53

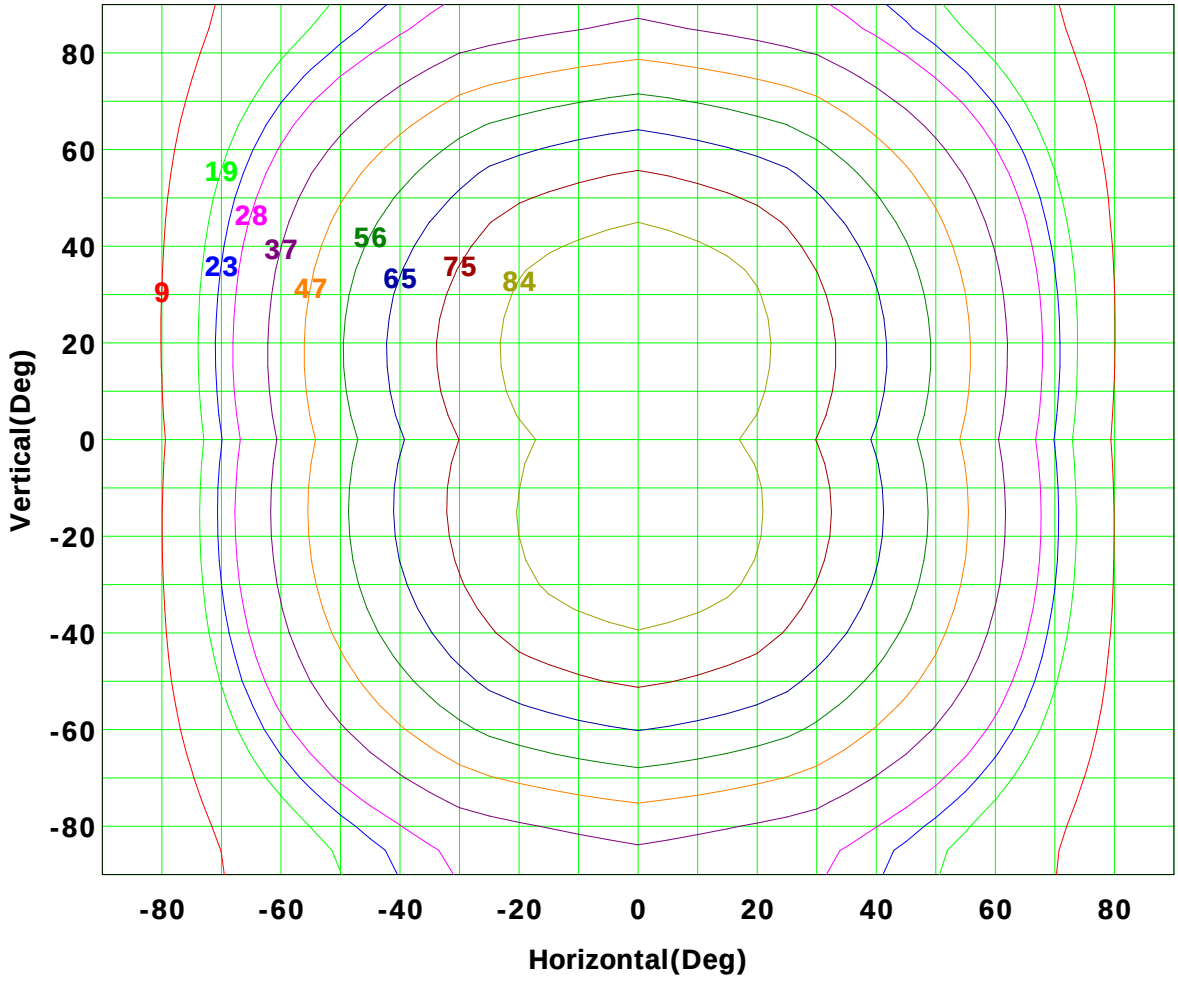
Curves of Luminaires vs Lighting Area



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)



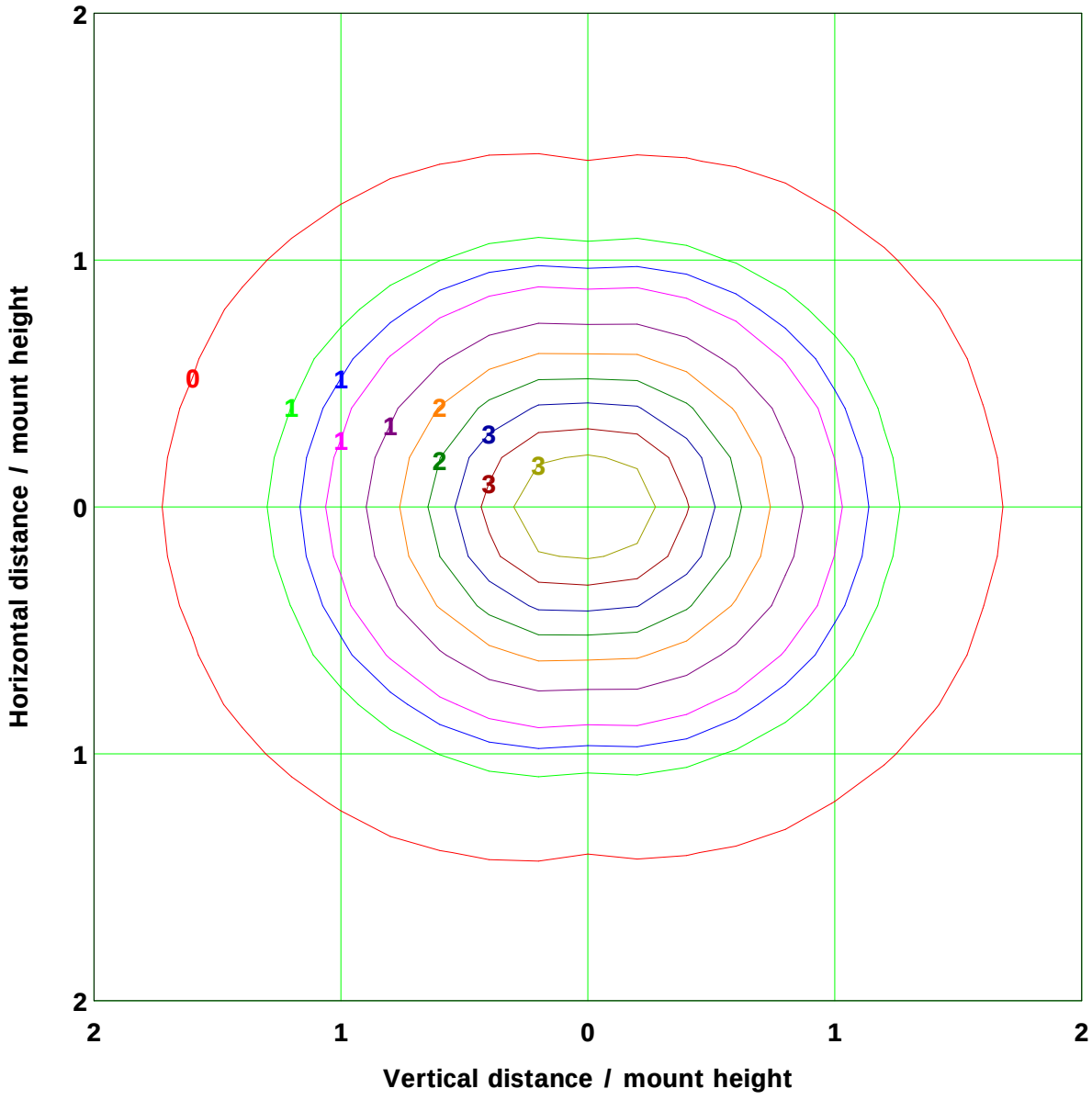
Imax (100%): 93 cd

(10%):	9 cd	(20%):	19 cd
(25%):	23 cd	(30%):	28 cd
(40%):	37 cd	(50%):	47 cd
(60%):	56 cd	(70%):	65 cd
(80%):	75 cd	(90%):	84 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%): 3.6 lx

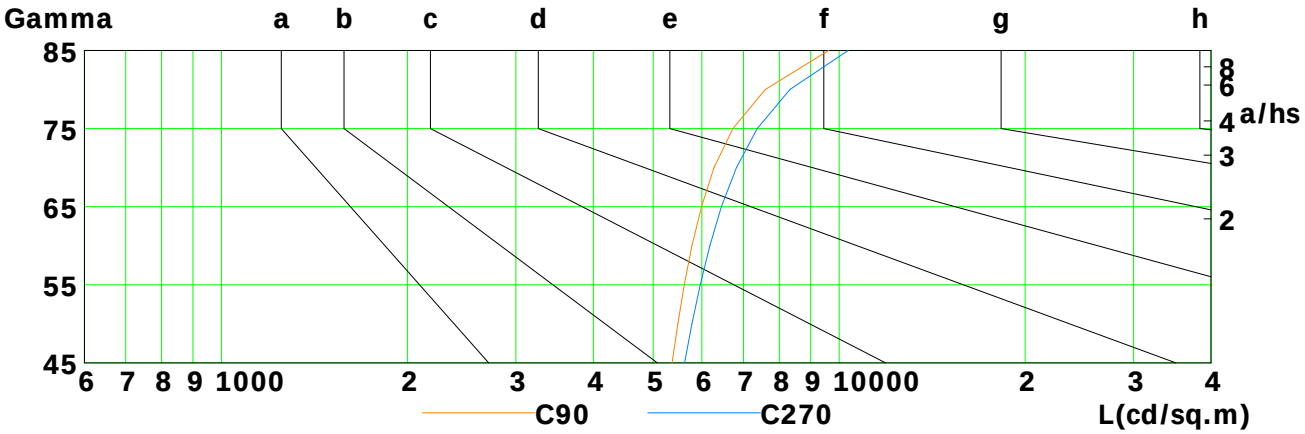
(10%): 0.4 lx	(20%): 0.7 lx
(25%): 0.9 lx	(30%): 1.1 lx
(40%): 1.4 lx	(50%): 1.8 lx
(60%): 2.2 lx	(70%): 2.5 lx
(80%): 2.9 lx	(90%): 3.2 lx

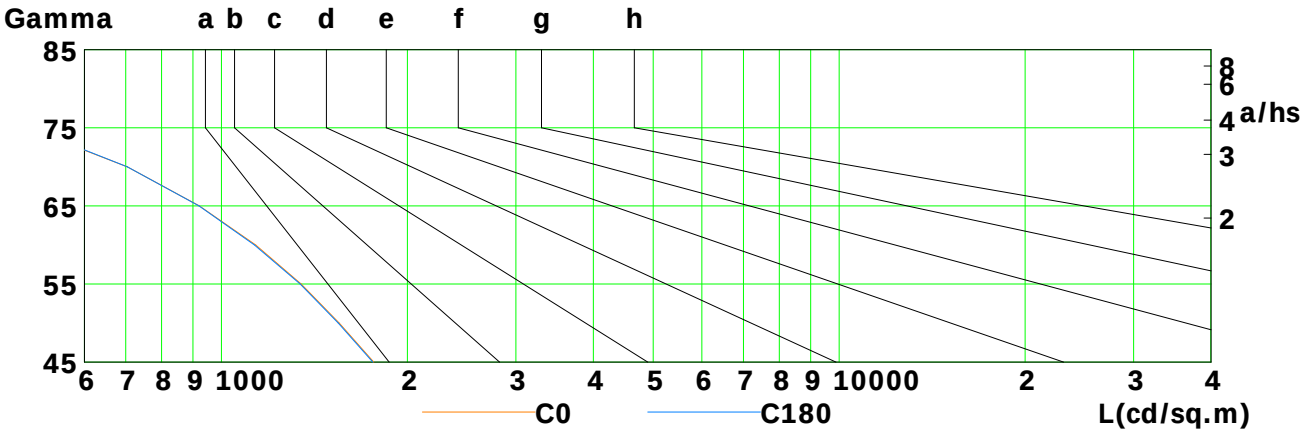
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



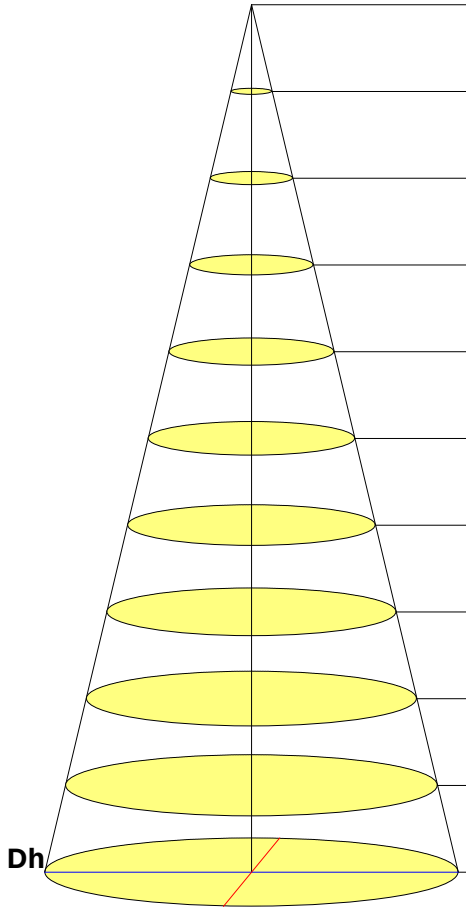


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1765	1552	1347	1136	921	705	486	275	92
C90	5366	5484	5619	5782	5988	6277	6736	7594	9616
C180	1758	1547	1341	1132	920	705	488	276	97
C270	5620	5779	5962	6177	6452	6824	7374	8326	10345

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



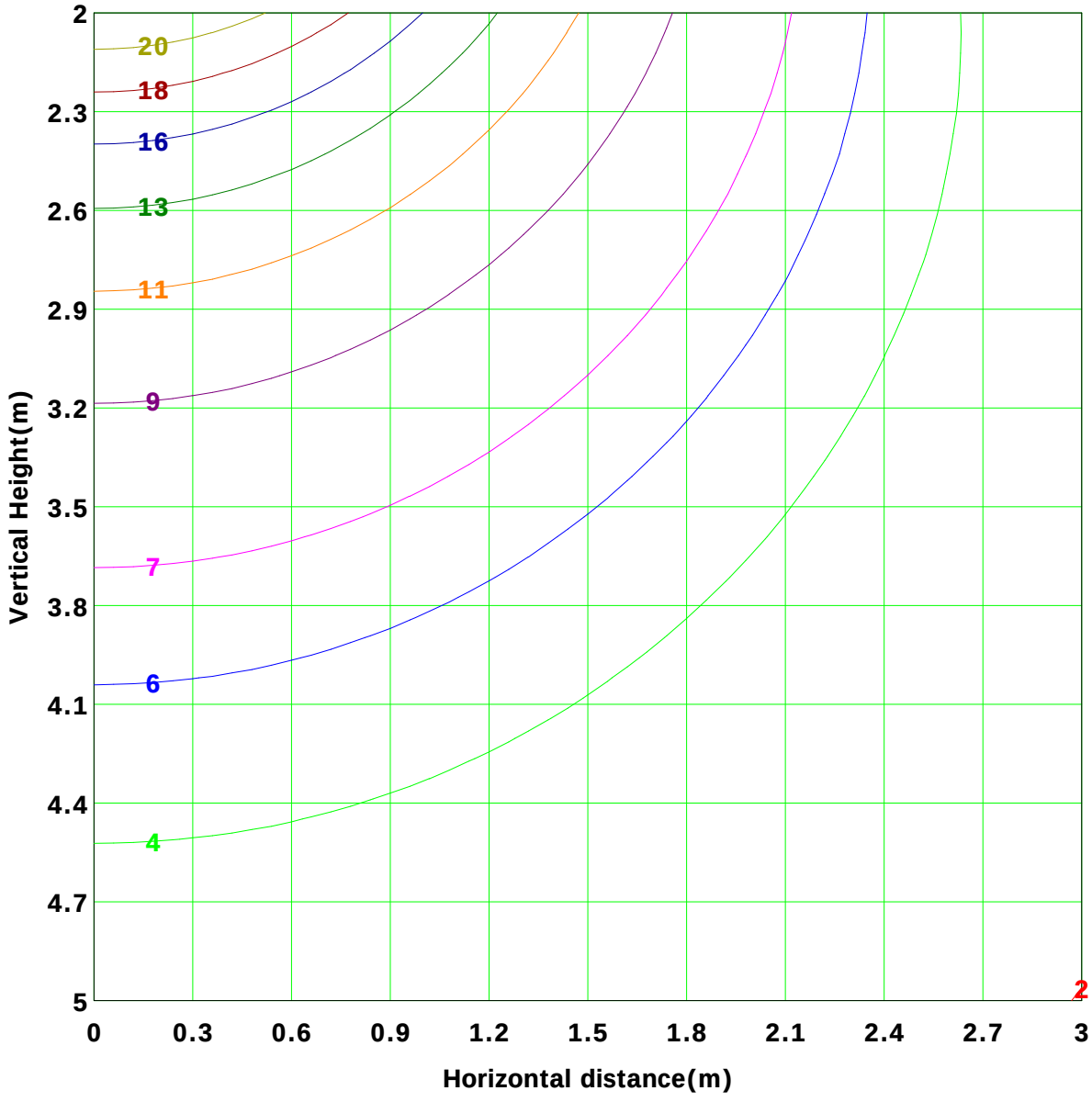
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	88.84	2.94/8.72	27.5	5.21
2.0	22.21	5.87/17.44	110.0	1.30
3.0	9.87	8.81/26.16	247.5	0.58
4.0	5.55	11.75/34.88	440.0	0.33
5.0	3.55	14.68/43.60	687.4	0.21
6.0	2.47	17.62/52.32	989.9	0.14
7.0	1.81	20.56/61.04	1347.4	0.11
8.0	1.39	23.49/69.76	1759.9	0.08
9.0	1.10	26.43/78.48	2227.3	0.06
10.0	0.89	29.37/87.20	2749.8	0.05

Beam Angle(B): H111.5 V154.2 Field Angle(F): H159.4 V310.9

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: 22.2 lx

(10%): 2.2 lx	(20%): 4.4 lx
(25%): 5.6 lx	(30%): 6.7 lx
(40%): 8.9 lx	(50%): 11.1 lx
(60%): 13.3 lx	(70%): 15.5 lx
(80%): 17.8 lx	(90%): 20.0 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

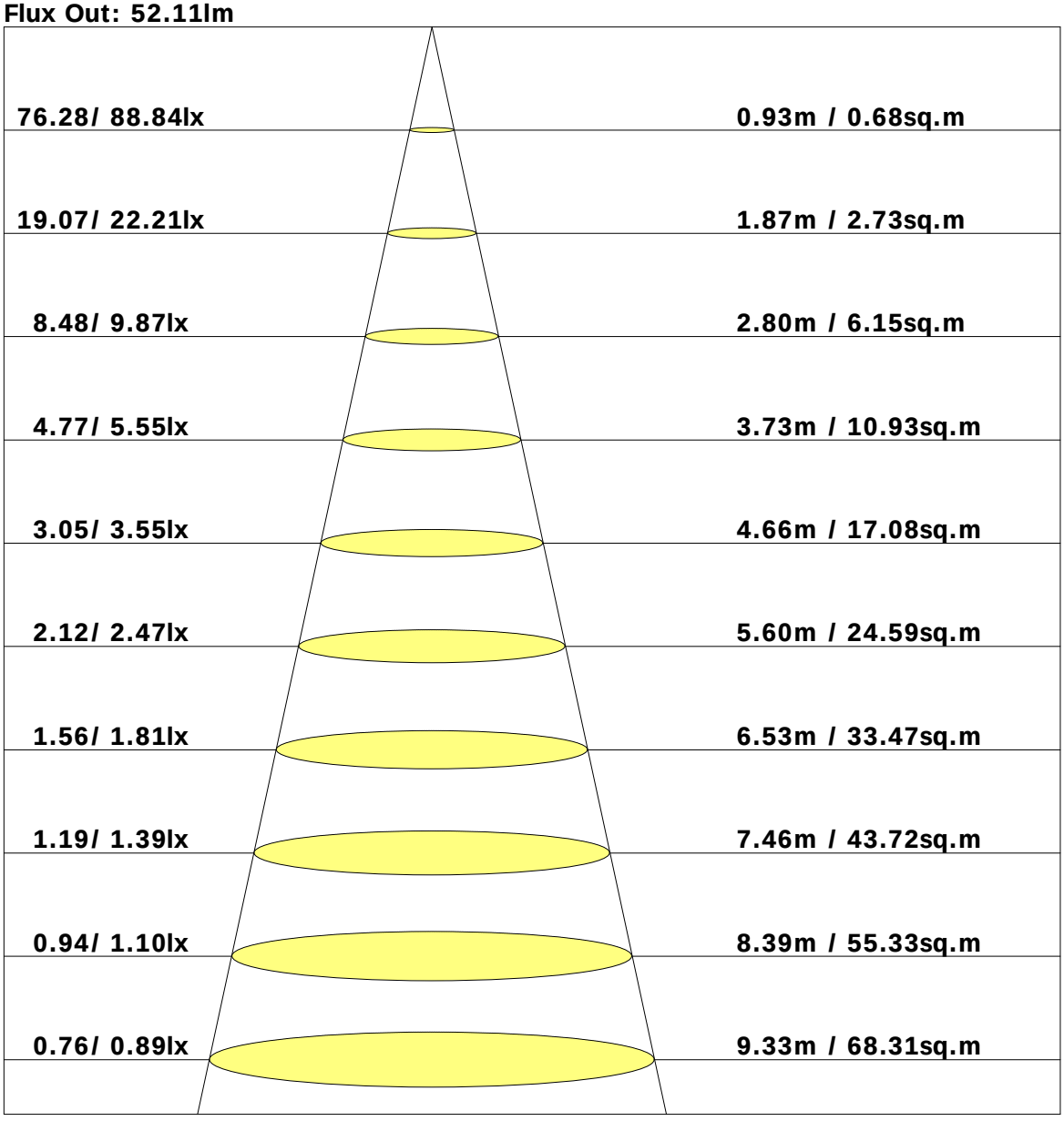
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	2.0	1.7
-70	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	5.9	5.9
-60	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.4	0.3	0.0	11.7	11.7
-50	0.5	0.7	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	0.8	0.6	0.5	0.0	18.6	18.6
-40	0.7	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.4	1.1	0.9	0.7	0.0	25.8	25.8
-30	0.9	1.2	1.5	1.8	2.0	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	1.8	1.4	1.1	0.9	0.0	32.3	32.3
-20	1.1	1.4	1.8	2.1	2.3	2.4	2.5	2.6	2.5	2.5	2.6	2.6	2.5	2.5	2.1	1.7	1.3	1.0	0.0	37.1	37.1
-10	1.2	1.5	1.9	2.2	2.5	2.6	2.7	2.8	2.7	2.7	2.8	2.8	2.7	2.6	2.2	1.8	1.4	1.1	0.0	39.9	39.9
0	1.2	1.5	1.9	2.2	2.5	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.6	2.2	1.8	1.4	1.1	0.0	39.9	39.9
10	1.1	1.4	1.8	2.1	2.3	2.5	2.6	2.6	2.5	2.5	2.6	2.6	2.5	2.4	2.0	1.6	1.3	1.0	0.0	37.1	37.1
20	0.9	1.2	1.6	1.8	2.0	2.2	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.1	1.7	1.4	1.1	0.9	0.0	32.3	32.3
30	0.7	1.0	1.2	1.5	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.4	1.1	0.9	0.7	0.0	25.8	25.8
40	0.5	0.7	0.9	1.0	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	0.8	0.6	0.5	0.0	18.6	18.6
50	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.4	0.3	0.0	11.7	11.7
60	0.2	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	0.2	0.2	0.1	0.0	5.9	5.9
70	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	0.1	0.0	2.0	1.7
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	0.2	0.0
90	10.0	13.1	16.5	19.5	21.8	23.5	24.3	24.5	23.9	23.8	24.1	23.7	22.7	20.8	18.3	15.2	11.9	9.3	347		
Flux(T)	9.9	13.0	16.4	19.4	21.8	23.5	24.3	24.4	23.9	23.7	24.1	23.7	22.6	20.8	18.3	15.2	11.8	9.2			
Flux(E)																					

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: 52.11lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	76.28/ 88.84lx		0.93m / 0.68sq.m
2.0m	19.07/ 22.21lx		1.87m / 2.73sq.m
3.0m	8.48/ 9.87lx		2.80m / 6.15sq.m
4.0m	4.77/ 5.55lx		3.73m / 10.93sq.m
5.0m	3.05/ 3.55lx		4.66m / 17.08sq.m
6.0m	2.12/ 2.47lx		5.60m / 24.59sq.m
7.0m	1.56/ 1.81lx		6.53m / 33.47sq.m
8.0m	1.19/ 1.39lx		7.46m / 43.72sq.m
9.0m	0.94/ 1.10lx		8.39m / 55.33sq.m
10.0m	0.76/ 0.89lx		9.33m / 68.31sq.m

C Plane (°):0.0-360.0: 30.0
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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	16.3	17.6	16.9	18.2	19.0	16.4	17.7	17.0	18.4	19.1
3H	17.9	19.1	18.6	19.8	20.6	18.4	19.6	19.0	20.3	21.1
4H	18.5	19.7	19.2	20.3	21.2	19.3	20.4	19.9	21.1	21.9
6H	18.9	19.9	19.6	20.6	21.5	20.1	21.1	20.8	21.8	22.7
8H	18.9	20.0	19.6	20.7	21.5	20.4	21.5	21.1	22.2	23.0
12H	19.0	20.0	19.7	20.7	21.5	20.8	21.8	21.5	22.5	23.4
X=4H Y=2H	16.9	18.0	17.6	18.7	19.5	16.9	18.1	17.6	18.8	19.6
3H	18.8	19.8	19.5	20.5	21.3	19.2	20.2	19.9	20.9	21.7
4H	19.5	20.4	20.2	21.1	22.0	20.2	21.1	20.9	21.9	22.7
6H	20.0	20.8	20.7	21.5	22.4	21.2	22.0	21.9	22.7	23.6
8H	20.1	20.9	20.9	21.6	22.5	21.7	22.4	22.4	23.1	24.0
12H	20.2	20.9	21.0	21.7	22.6	22.1	22.8	22.8	23.5	24.4
X=8H Y=4H	19.9	20.7	20.7	21.4	22.3	20.5	21.3	21.2	22.0	22.9
6H	20.6	21.2	21.4	22.0	22.9	21.7	22.3	22.4	23.1	24.0
8H	20.8	21.4	21.6	22.2	23.1	22.3	22.8	23.0	23.6	24.5
12H	21.0	21.5	21.8	22.3	23.3	22.9	23.4	23.6	24.2	25.1
X=12H Y=4H	20.0	20.7	20.8	21.5	22.4	20.5	21.2	21.3	22.0	22.9
6H	20.8	21.3	21.5	22.1	23.0	21.8	22.3	22.5	23.1	24.0
8H	21.1	21.6	21.8	22.4	23.3	22.4	22.9	23.2	23.7	24.7

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	0.77	0.82	0.85	0.90	0.93
	0.30		0.41	0.49	0.57	0.62	0.70	0.75	0.79	0.85	0.89
	0.20		0.36	0.43	0.51	0.56	0.64	0.70	0.74	0.81	0.85
0.50	0.50	0.20	0.46	0.53	0.59	0.64	0.70	0.75	0.78	0.82	0.85
	0.30		0.39	0.46	0.53	0.58	0.65	0.70	0.73	0.78	0.82
	0.20		0.34	0.41	0.48	0.53	0.60	0.65	0.69	0.75	0.79
0.30	0.50	0.20	0.42	0.49	0.55	0.59	0.64	0.68	0.71	0.75	0.78
	0.30		0.37	0.43	0.49	0.54	0.60	0.64	0.68	0.72	0.75
	0.20		0.32	0.39	0.45	0.49	0.56	0.61	0.64	0.69	0.73
0.00	0.00	0.00	0.28	0.34	0.39	0.43	0.49	0.53	0.56	0.61	0.64

Rating:10W 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	1.00	0.86	0.74	0.65	0.53	0.45	0.39	0.31	0.26
	0.30		0.83	0.73	0.64	0.58	0.48	0.42	0.36	0.30	0.25
	0.20		0.71	0.64	0.57	0.52	0.44	0.38	0.34	0.28	0.24
0.50	0.50	0.20	0.92	0.79	0.68	0.60	0.49	0.44	0.36	0.29	0.24
	0.30		0.78	0.69	0.60	0.54	0.45	0.39	0.34	0.27	0.23
	0.20		0.67	0.61	0.54	0.49	0.41	0.36	0.32	0.26	0.22
0.30	0.50	0.20	0.85	0.73	0.63	0.55	0.45	0.38	0.33	0.27	0.22
	0.30		0.73	0.64	0.56	0.50	0.42	0.36	0.31	0.25	0.21
	0.20		0.64	0.57	0.51	0.46	0.39	0.34	0.30	0.24	0.21
0.00	0.00	0.00	0.51	0.46	0.40	0.36	0.30	0.26	0.23	0.19	0.16

Rating:10W 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	0.36	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.41
	0.30		0.29	0.31	0.32	0.33	0.35	0.36	0.36	0.38	0.38
	0.20		0.25	0.26	0.27	0.28	0.30	0.32	0.33	0.34	0.36
0.50	0.50	0.20	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.40	0.40
	0.30		0.29	0.30	0.31	0.32	0.34	0.35	0.35	0.36	0.37
	0.20		0.24	0.26	0.27	0.28	0.30	0.31	0.32	0.33	0.34
0.30	0.50	0.20	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.38
	0.30		0.28	0.30	0.31	0.31	0.33	0.33	0.34	0.35	0.36
	0.20		0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32	0.33
0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Rating:10W 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	89.5	0.1	0.1	0.02	0.02
1.0-2.0	89.5	0.3	0.3	0.06	0.08
2.0-3.0	89.6	0.4	0.8	0.10	0.18
3.0-4.0	89.6	0.6	1.4	0.14	0.31
4.0-5.0	89.7	0.8	2.1	0.18	0.49
5.0-6.0	89.7	0.9	3.1	0.22	0.71
6.0-7.0	89.8	1.1	4.2	0.26	0.96
7.0-8.0	89.8	1.3	5.5	0.29	1.26
8.0-9.0	89.7	1.5	6.9	0.33	1.59
9.0-10.0	89.7	1.6	8.6	0.37	1.96
10.0-11.0	89.7	1.8	10.4	0.41	2.37
11.0-12.0	89.6	2.0	12.3	0.45	2.82
12.0-13.0	89.6	2.1	14.4	0.49	3.31
13.0-14.0	89.5	2.3	16.7	0.53	3.84
14.0-15.0	89.4	2.5	19.2	0.56	4.40
15.0-16.0	89.3	2.6	21.8	0.60	5.00
16.0-17.0	89.1	2.8	24.6	0.64	5.63
17.0-18.0	88.8	2.9	27.5	0.67	6.31
18.0-19.0	88.5	3.1	30.6	0.71	7.01
19.0-20.0	88.2	3.2	33.8	0.74	7.75
20.0-21.0	87.9	3.4	37.2	0.77	8.53
21.0-22.0	87.6	3.5	40.7	0.81	9.33
22.0-23.0	87.3	3.7	44.4	0.84	10.17
23.0-24.0	86.9	3.8	48.2	0.87	11.04
24.0-25.0	86.5	3.9	52.1	0.90	11.95
25.0-26.0	86.1	4.1	56.2	0.93	12.88
26.0-27.0	85.6	4.2	60.4	0.96	13.84
27.0-28.0	85.1	4.3	64.7	0.99	14.83
28.0-29.0	84.6	4.4	69.1	1.02	15.84
29.0-30.0	84.1	4.5	73.6	1.04	16.88
30.0-31.0	83.5	4.6	78.3	1.07	17.95
31.0-32.0	82.9	4.8	83.0	1.09	19.04
32.0-33.0	82.3	4.8	87.9	1.11	20.15
33.0-34.0	81.7	4.9	92.8	1.13	21.28
34.0-35.0	81.0	5.0	97.9	1.15	22.44
35.0-36.0	80.3	5.1	103.0	1.17	23.61

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	79.6	5.2	108.2	1.19	24.80
37.0-38.0	78.8	5.3	113.4	1.21	26.00
38.0-39.0	78.0	5.3	118.8	1.22	27.23
39.0-40.0	77.2	5.4	124.1	1.24	28.46
40.0-41.0	76.4	5.4	129.6	1.25	29.71
41.0-42.0	75.6	5.5	135.1	1.26	30.97
42.0-43.0	74.7	5.5	140.6	1.27	32.24
43.0-44.0	73.8	5.6	146.2	1.28	33.51
44.0-45.0	72.9	5.6	151.8	1.28	34.80
45.0-46.0	71.9	5.6	157.4	1.29	36.09
46.0-47.0	71.0	5.6	163.1	1.29	37.38
47.0-48.0	70.0	5.7	168.7	1.30	38.68
48.0-49.0	69.0	5.7	174.4	1.30	39.98
49.0-50.0	67.9	5.7	180.0	1.30	41.28
50.0-51.0	66.9	5.7	185.7	1.30	42.57
51.0-52.0	65.8	5.6	191.3	1.29	43.87
52.0-53.0	64.7	5.6	197.0	1.29	45.16
53.0-54.0	63.6	5.6	202.6	1.28	46.44
54.0-55.0	62.4	5.6	208.2	1.28	47.72
55.0-56.0	61.2	5.5	213.7	1.27	48.99
56.0-57.0	60.1	5.5	219.2	1.26	50.25
57.0-58.0	58.9	5.4	224.6	1.25	51.50
58.0-59.0	57.6	5.4	230.0	1.24	52.73
59.0-60.0	56.4	5.3	235.3	1.22	53.95
60.0-61.0	55.1	5.3	240.6	1.21	55.16
61.0-62.0	53.8	5.2	245.8	1.19	56.35
62.0-63.0	52.5	5.1	250.9	1.17	57.52
63.0-64.0	51.2	5.0	255.9	1.15	58.67
64.0-65.0	49.9	4.9	260.9	1.13	59.80
65.0-66.0	48.5	4.8	265.7	1.11	60.91
66.0-67.0	47.1	4.7	270.4	1.09	62.00
67.0-68.0	45.8	4.6	275.1	1.06	63.06
68.0-69.0	44.4	4.5	279.6	1.04	64.10
69.0-70.0	43.0	4.4	284.0	1.01	65.11
70.0-71.0	41.6	4.3	288.3	0.98	66.10
71.0-72.0	40.2	4.2	292.5	0.96	67.05

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	38.8	4.1	296.5	0.93	67.98
73.0-74.0	37.4	3.9	300.5	0.90	68.88
74.0-75.0	36.0	3.8	304.3	0.87	69.75
75.0-76.0	34.6	3.7	307.9	0.84	70.60
76.0-77.0	33.2	3.5	311.5	0.81	71.41
77.0-78.0	31.9	3.4	314.9	0.78	72.19
78.0-79.0	30.5	3.3	318.2	0.75	72.94
79.0-80.0	29.2	3.2	321.3	0.72	73.66
80.0-81.0	28.0	3.0	324.3	0.69	74.36
81.0-82.0	26.8	2.9	327.2	0.67	75.02
82.0-83.0	25.6	2.8	330.0	0.64	75.66
83.0-84.0	24.5	2.7	332.7	0.61	76.27
84.0-85.0	23.5	2.6	335.3	0.59	76.86
85.0-86.0	22.6	2.5	337.7	0.57	77.43
86.0-87.0	21.8	2.4	340.1	0.55	77.98
87.0-88.0	21.1	2.3	342.4	0.53	78.51
88.0-89.0	20.7	2.3	344.7	0.52	79.03
89.0-90.0	20.3	2.2	346.9	0.51	79.54
90.0-91.0	20.1	2.2	349.1	0.51	80.04
91.0-92.0	20.0	2.2	351.3	0.50	80.55
92.0-93.0	19.9	2.2	353.5	0.50	81.05
93.0-94.0	19.9	2.2	355.7	0.50	81.55
94.0-95.0	19.8	2.2	357.9	0.50	82.04
95.0-96.0	19.7	2.2	360.0	0.49	82.54
96.0-97.0	19.6	2.1	362.2	0.49	83.03
97.0-98.0	19.6	2.1	364.3	0.49	83.51
98.0-99.0	19.5	2.1	366.4	0.48	84.00
99.0-100.0	19.4	2.1	368.5	0.48	84.48
100.0-101.0	19.3	2.1	370.6	0.48	84.95
101.0-102.0	19.2	2.1	372.6	0.47	85.43
102.0-103.0	19.0	2.0	374.7	0.47	85.89
103.0-104.0	18.9	2.0	376.7	0.46	86.36
104.0-105.0	18.8	2.0	378.7	0.46	86.81
105.0-106.0	18.6	2.0	380.6	0.45	87.26
106.0-107.0	18.5	1.9	382.6	0.45	87.71
107.0-108.0	18.4	1.9	384.5	0.44	88.15

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	18.2	1.9	386.4	0.43	88.58
109.0-110.0	18.0	1.9	388.3	0.43	89.01
110.0-111.0	17.9	1.8	390.1	0.42	89.43
111.0-112.0	17.7	1.8	391.9	0.41	89.85
112.0-113.0	17.5	1.8	393.7	0.41	90.25
113.0-114.0	17.3	1.7	395.4	0.40	90.65
114.0-115.0	17.1	1.7	397.1	0.39	91.04
115.0-116.0	16.9	1.7	398.8	0.38	91.43
116.0-117.0	16.7	1.6	400.4	0.38	91.81
117.0-118.0	16.5	1.6	402.1	0.37	92.17
118.0-119.0	16.3	1.6	403.6	0.36	92.53
119.0-120.0	16.1	1.5	405.2	0.35	92.89
120.0-121.0	15.9	1.5	406.7	0.34	93.23
121.0-122.0	15.6	1.5	408.1	0.34	93.57
122.0-123.0	15.4	1.4	409.6	0.33	93.89
123.0-124.0	15.2	1.4	410.9	0.32	94.21
124.0-125.0	14.9	1.3	412.3	0.31	94.52
125.0-126.0	14.7	1.3	413.6	0.30	94.82
126.0-127.0	14.4	1.3	414.9	0.29	95.11
127.0-128.0	14.1	1.2	416.1	0.28	95.39
128.0-129.0	13.8	1.2	417.3	0.27	95.67
129.0-130.0	13.5	1.1	418.4	0.26	95.93
130.0-131.0	13.2	1.1	419.5	0.25	96.18
131.0-132.0	12.9	1.1	420.6	0.24	96.42
132.0-133.0	12.6	1.0	421.6	0.23	96.66
133.0-134.0	12.3	1.0	422.6	0.22	96.88
134.0-135.0	12.0	0.9	423.5	0.22	97.10
135.0-136.0	11.7	0.9	424.4	0.21	97.30
136.0-137.0	11.4	0.9	425.3	0.20	97.50
137.0-138.0	11.1	0.8	426.1	0.19	97.69
138.0-139.0	10.8	0.8	426.9	0.18	97.87
139.0-140.0	10.5	0.7	427.6	0.17	98.04
140.0-141.0	10.2	0.7	428.4	0.16	98.20
141.0-142.0	9.8	0.7	429.0	0.15	98.36
142.0-143.0	9.5	0.6	429.7	0.14	98.50
143.0-144.0	9.0	0.6	430.2	0.13	98.64

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	8.6	0.6	430.8	0.13	98.76
145.0-146.0	8.3	0.5	431.3	0.12	98.88
146.0-147.0	7.9	0.5	431.8	0.11	98.99
147.0-148.0	7.5	0.4	432.2	0.10	99.09
148.0-149.0	7.1	0.4	432.6	0.09	99.19
149.0-150.0	6.8	0.4	433.0	0.09	99.27
150.0-151.0	6.5	0.3	433.4	0.08	99.35
151.0-152.0	6.1	0.3	433.7	0.07	99.43
152.0-153.0	5.8	0.3	434.0	0.07	99.49
153.0-154.0	5.5	0.3	434.3	0.06	99.56
154.0-155.0	5.2	0.2	434.5	0.06	99.61
155.0-156.0	4.9	0.2	434.7	0.05	99.66
156.0-157.0	4.6	0.2	434.9	0.05	99.71
157.0-158.0	4.3	0.2	435.1	0.04	99.75
158.0-159.0	4.0	0.2	435.3	0.04	99.79
159.0-160.0	3.7	0.1	435.4	0.03	99.82
160.0-161.0	3.4	0.1	435.5	0.03	99.85
161.0-162.0	3.1	0.1	435.6	0.02	99.87
162.0-163.0	2.9	0.1	435.7	0.02	99.90
163.0-164.0	2.6	0.1	435.8	0.02	99.91
164.0-165.0	2.4	0.1	435.9	0.02	99.93
165.0-166.0	2.1	0.1	435.9	0.01	99.94
166.0-167.0	1.9	0.0	436.0	0.01	99.95
167.0-168.0	1.7	0.0	436.0	0.01	99.96
168.0-169.0	1.5	0.0	436.1	0.01	99.97
169.0-170.0	1.3	0.0	436.1	0.01	99.98
170.0-171.0	1.2	0.0	436.1	0.01	99.98
171.0-172.0	1.1	0.0	436.1	0.00	99.99
172.0-173.0	1.1	0.0	436.1	0.00	99.99
173.0-174.0	1.0	0.0	436.2	0.00	99.99
174.0-175.0	1.0	0.0	436.2	0.00	100.00
175.0-176.0	0.9	0.0	436.2	0.00	100.00
176.0-177.0	0.9	0.0	436.2	0.00	100.00
177.0-178.0	0.9	0.0	436.2	0.00	100.00
178.0-179.0	0.9	0.0	436.2	0.00	100.00
179.0-180.0	0.9	0.0	436.2	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: