ACOLYTE
https://www.genledbrands.com/
Tel:+1 212 629 68304(USA)
Fax:(+1) 210 360 1454

Report No.: **Test Time: 2021/2/23 15:10**

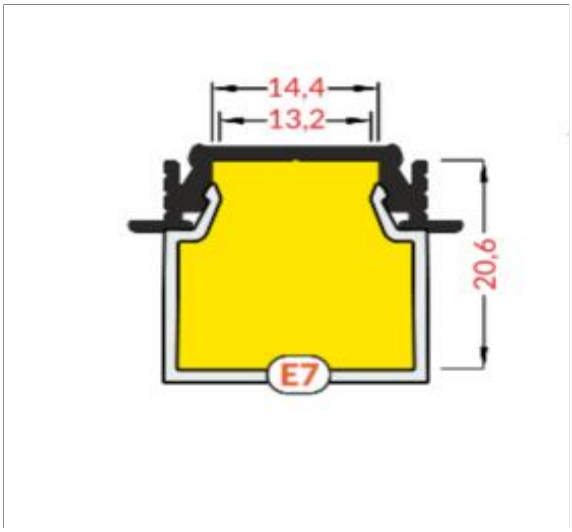
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AR14
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 1 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 28
Luminous Height (mm): 23.7
Voltage: 24.0 V
Current: 0.219 A
Power: 5.25 W
Power Factor: 1.000

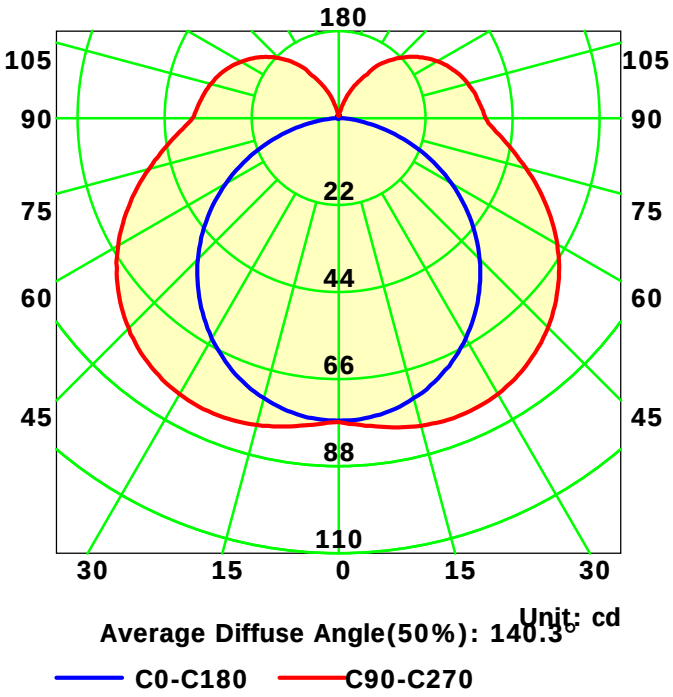
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 411.2 lm
Measurement Flux: 411.2 lm
Efficiency: 100%
Downward Ratio: 78%
Upward Ratio: 22%
Horizontal Diffuse Angle(10%,50%): H159.9,H111.4
Vertical Diffuse Angle(10%,50%): V311.6,V169.2
Luminaire Efficacy Rating (LER): 78
Central Intensity: 77.17 cd
Max. Intensity: 81.95 cd
Pos of Max. Intensity: H90 V21

Picture Of Luminaire



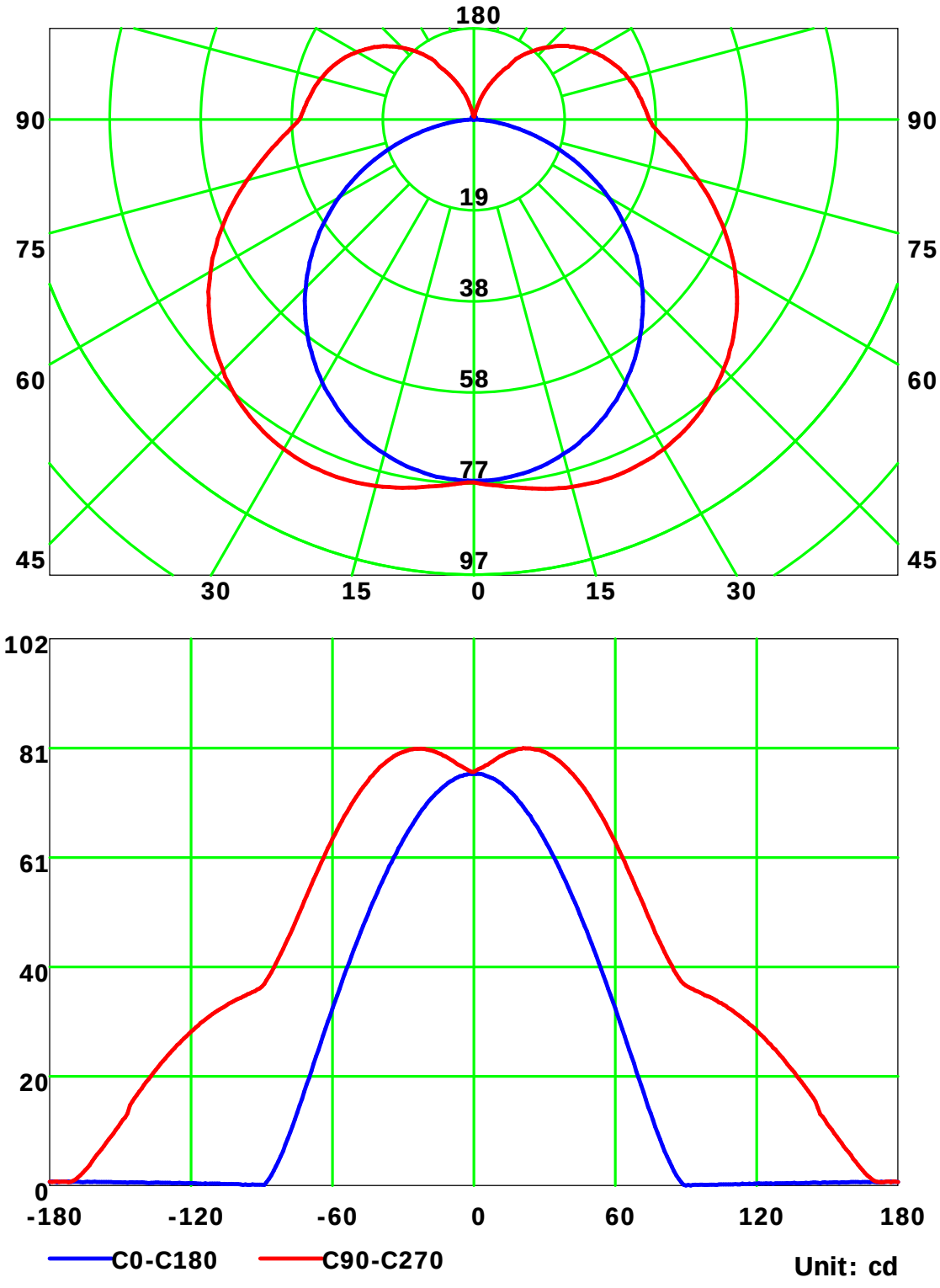
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 140.3°
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:

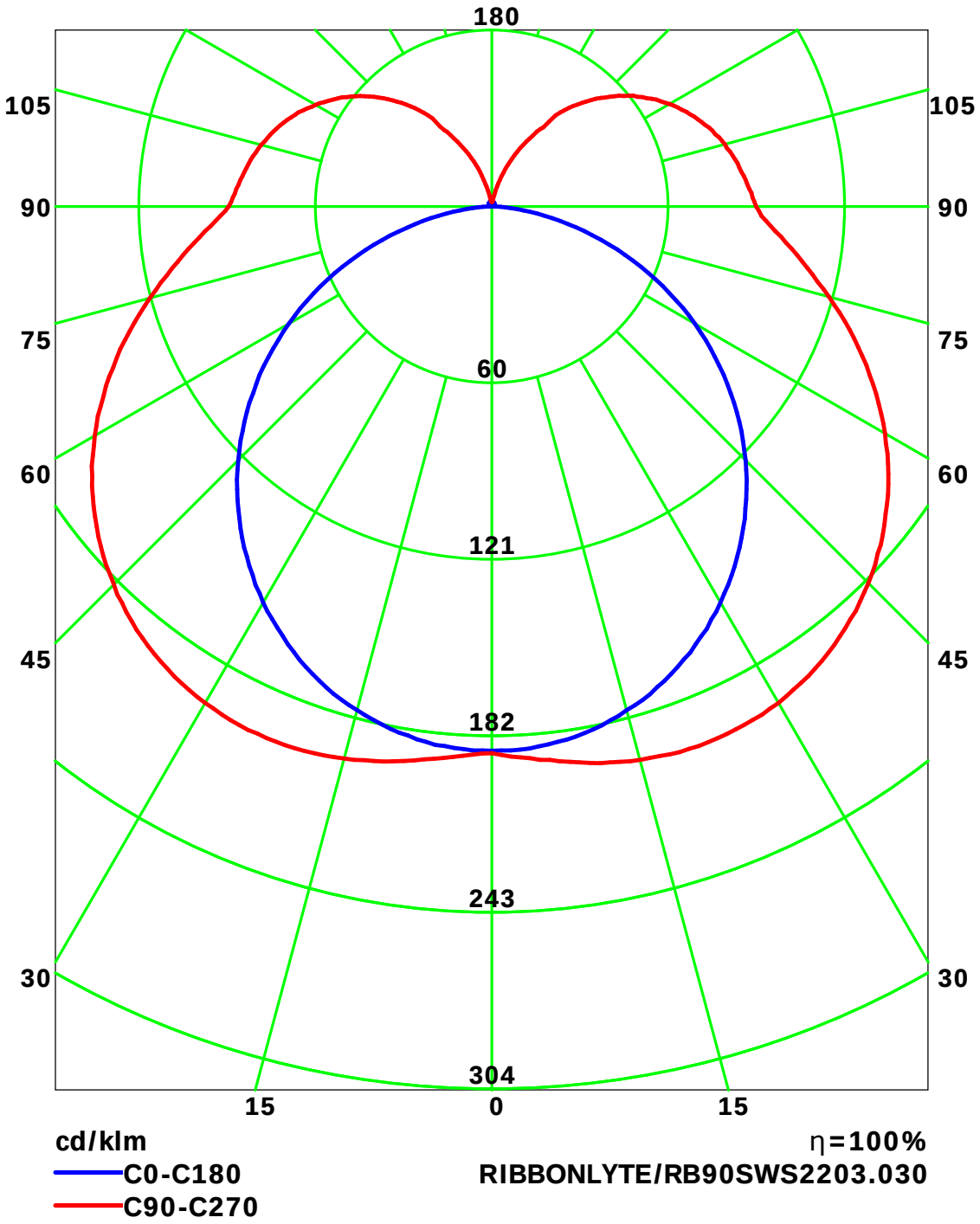
Luminous Intensity Distribution Curve



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

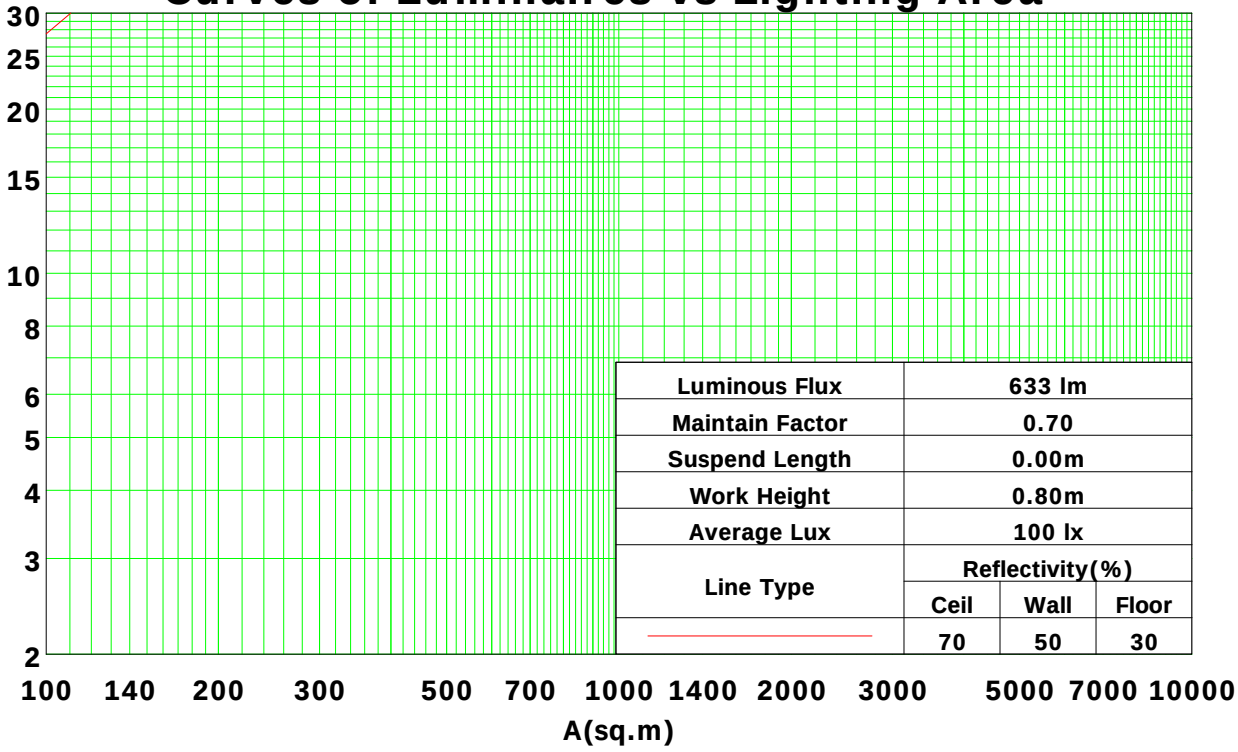
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	99	99	99	90	90	90	82	82	82	78
1	101	95	90	85	96	91	86	82	82	79	75	75	72	69	68	65	63	59
2	91	81	74	67	86	78	71	65	70	65	60	64	59	55	58	54	51	47
3	82	71	62	55	78	67	59	53	61	54	49	55	50	45	50	46	42	39
4	75	62	52	45	71	59	50	44	54	47	41	49	43	38	44	39	35	32
5	68	55	45	38	65	52	44	37	48	40	35	43	37	32	39	34	30	27
6	63	49	40	33	59	47	38	32	43	35	30	39	33	28	35	30	26	23
7	58	44	35	29	55	42	34	28	39	31	26	35	29	25	32	27	23	20
8	54	40	31	25	51	38	30	25	35	28	23	32	26	22	29	24	20	18
9	50	36	28	22	48	35	27	22	32	25	21	30	24	19	27	22	18	16
10	47	33	25	20	45	32	25	20	30	23	19	27	22	17	25	20	16	14

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.56
Spacing Criteria (Diagonal): 1.57

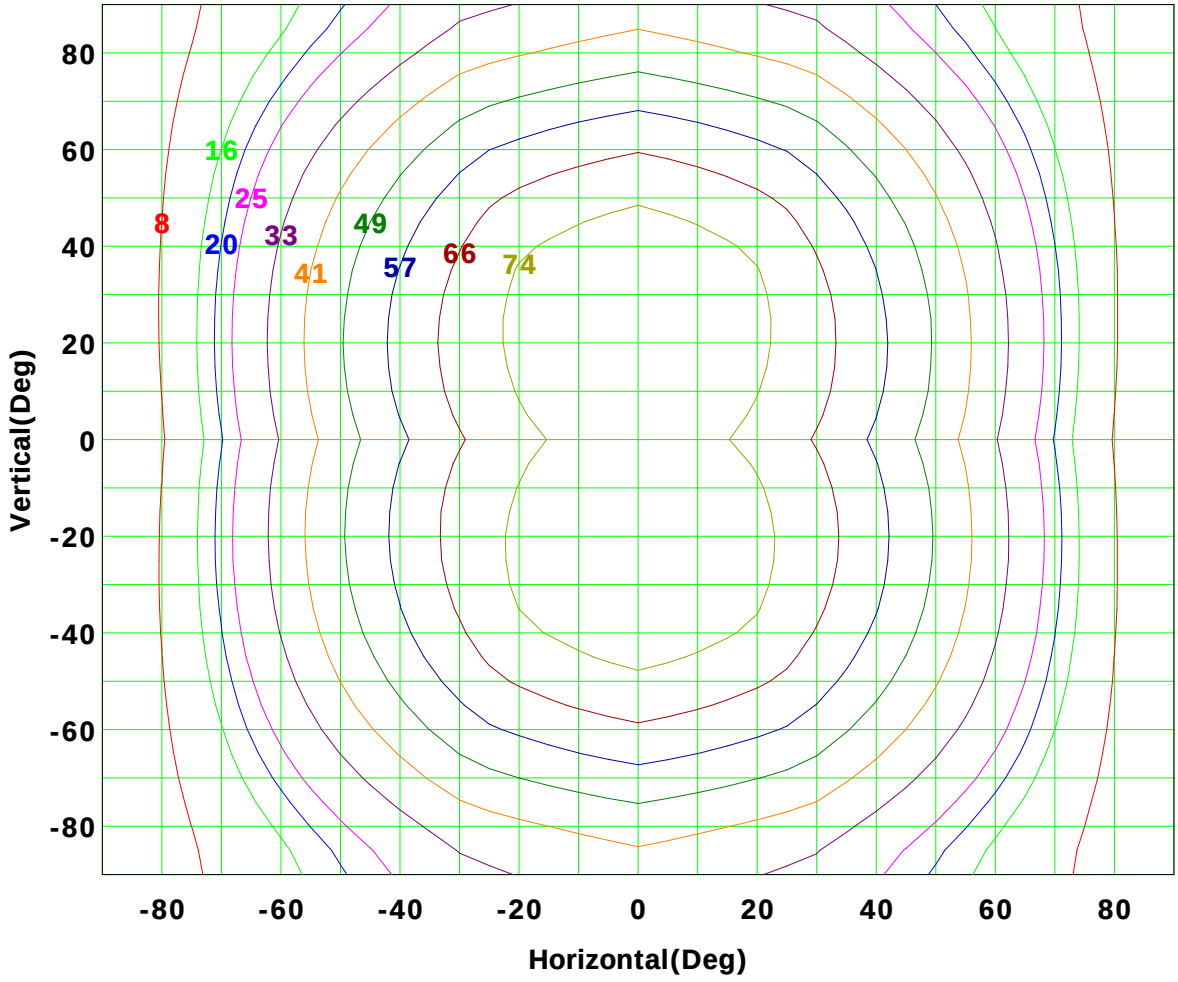
Curves of Luminaires vs Lighting Area



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)



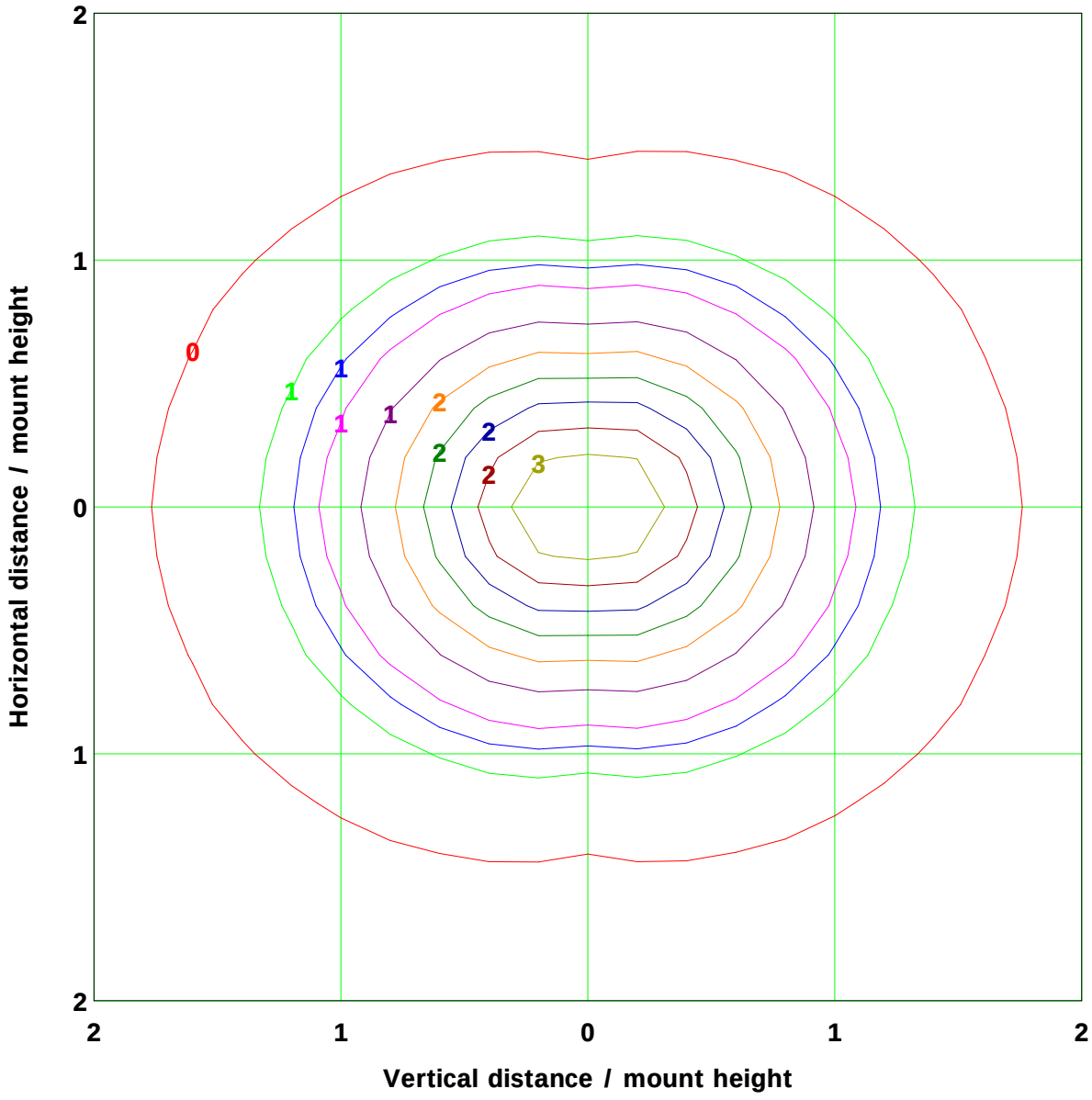
Imax (100%): 82 cd

(10%):	8 cd	(20%):	16 cd
(25%):	20 cd	(30%):	25 cd
(40%):	33 cd	(50%):	41 cd
(60%):	49 cd	(70%):	57 cd
(80%):	66 cd	(90%):	74 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%): 3.1 lx

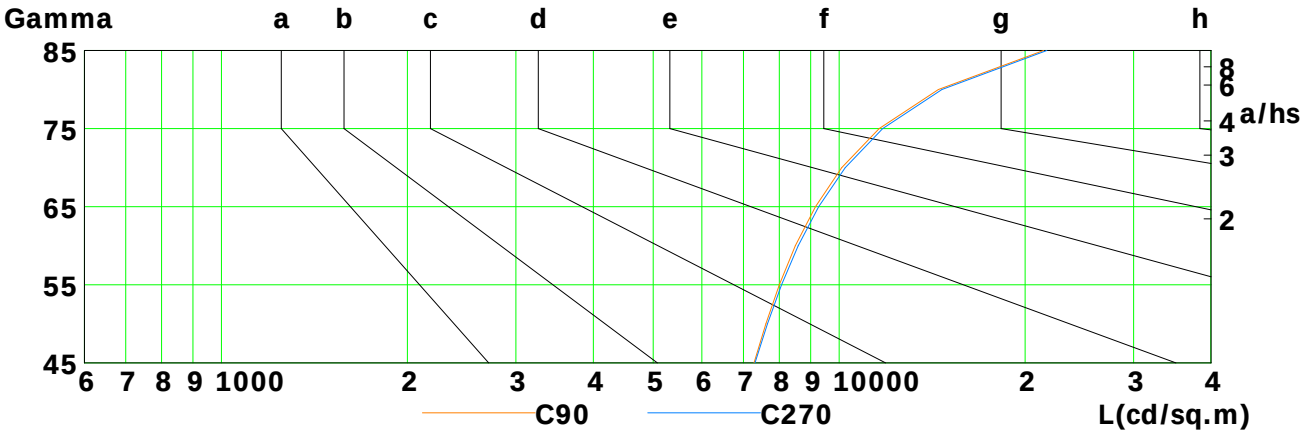
(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.8 lx	(30%): 0.9 lx
(40%): 1.2 lx	(50%): 1.6 lx
(60%): 1.9 lx	(70%): 2.2 lx
(80%): 2.5 lx	(90%): 2.8 lx

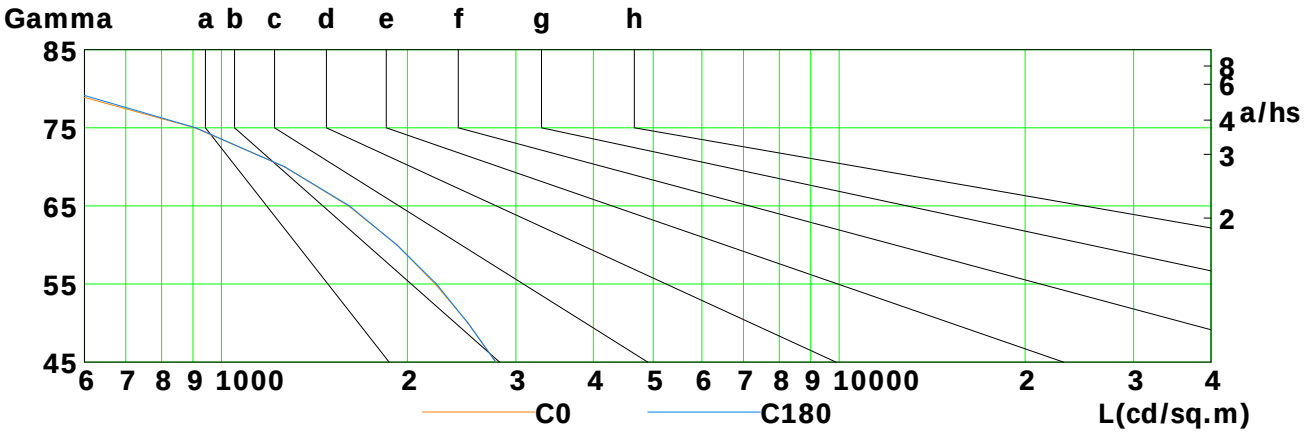
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

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



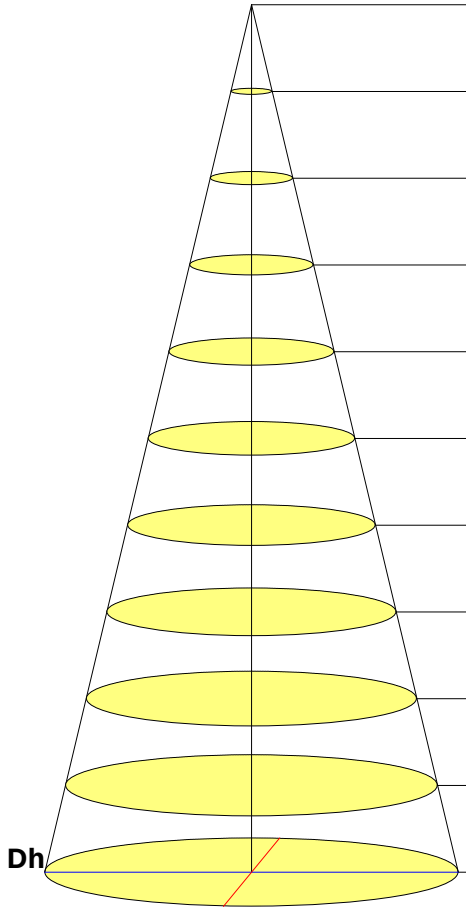


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2785	2510	2221	1927	1607	1265	906	535	213
C90	7282	7610	8006	8501	9155	10098	11608	14475	21454
C180	2781	2508	2229	1924	1613	1267	909	550	218
C270	7311	7658	8075	8584	9267	10233	11767	14673	21714

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



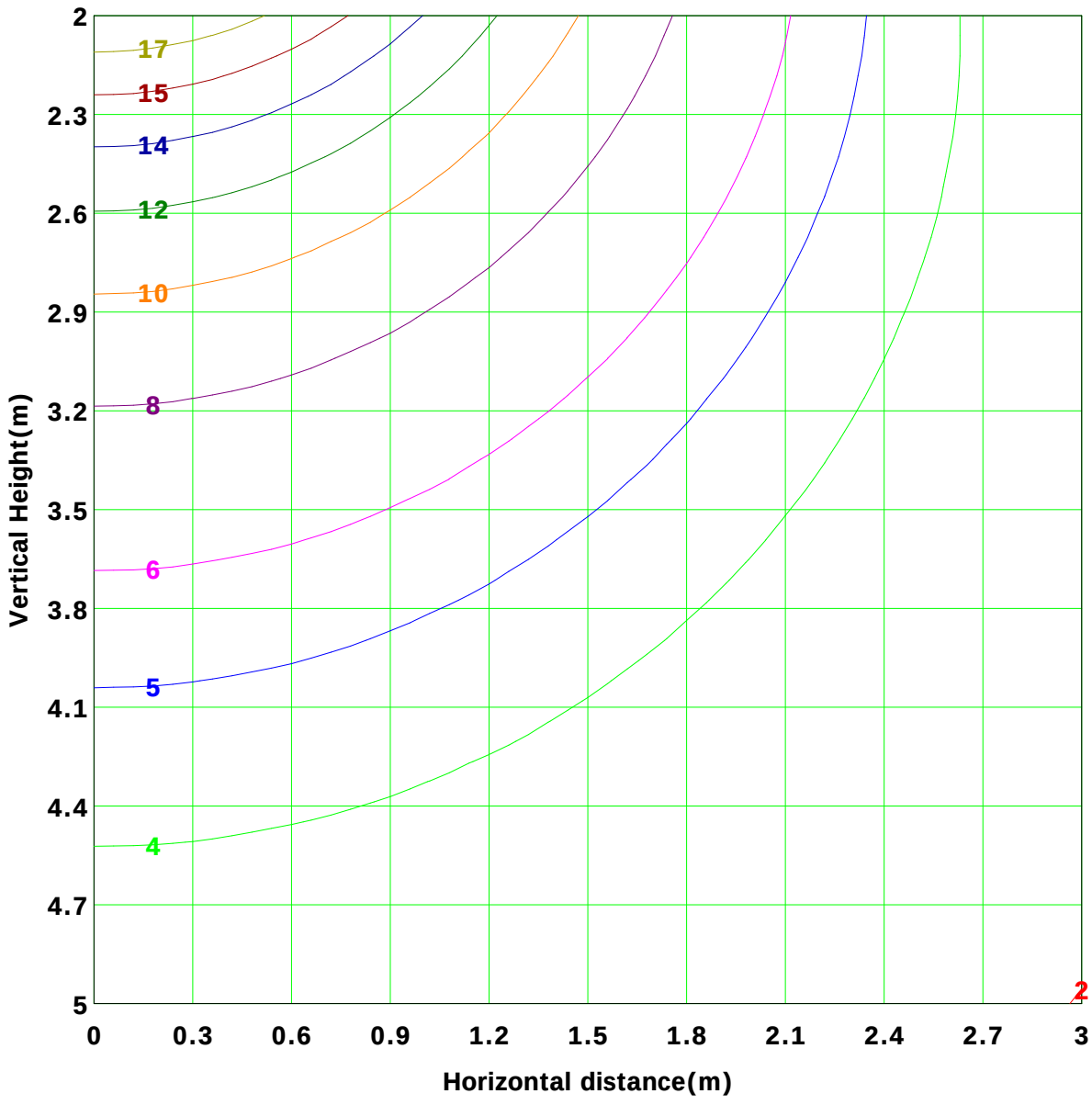
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	77.17	2.93/21.16	80.9	1.67
2.0	19.29	5.86/42.32	323.5	0.42
3.0	8.57	8.79/63.48	727.9	0.19
4.0	4.82	11.72/84.65	1294.0	0.10
5.0	3.09	14.65/105.81	2021.9	0.07
6.0	2.14	17.58/126.97	2911.5	0.05
7.0	1.57	20.51/148.13	3962.9	0.03
8.0	1.21	23.44/169.29	5176.1	0.03
9.0	0.95	26.37/190.45	6550.9	0.02
10.0	0.77	29.30/211.61	8087.6	0.02

Beam Angle(B): H111.4 V169.2 Field Angle(F): H159.9 V311.6

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: 19.3 lx

(10%): 1.9 lx	(20%): 3.9 lx
(25%): 4.8 lx	(30%): 5.8 lx
(40%): 7.7 lx	(50%): 9.6 lx
(60%): 11.6 lx	(70%): 13.5 lx
(80%): 15.4 lx	(90%): 17.4 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

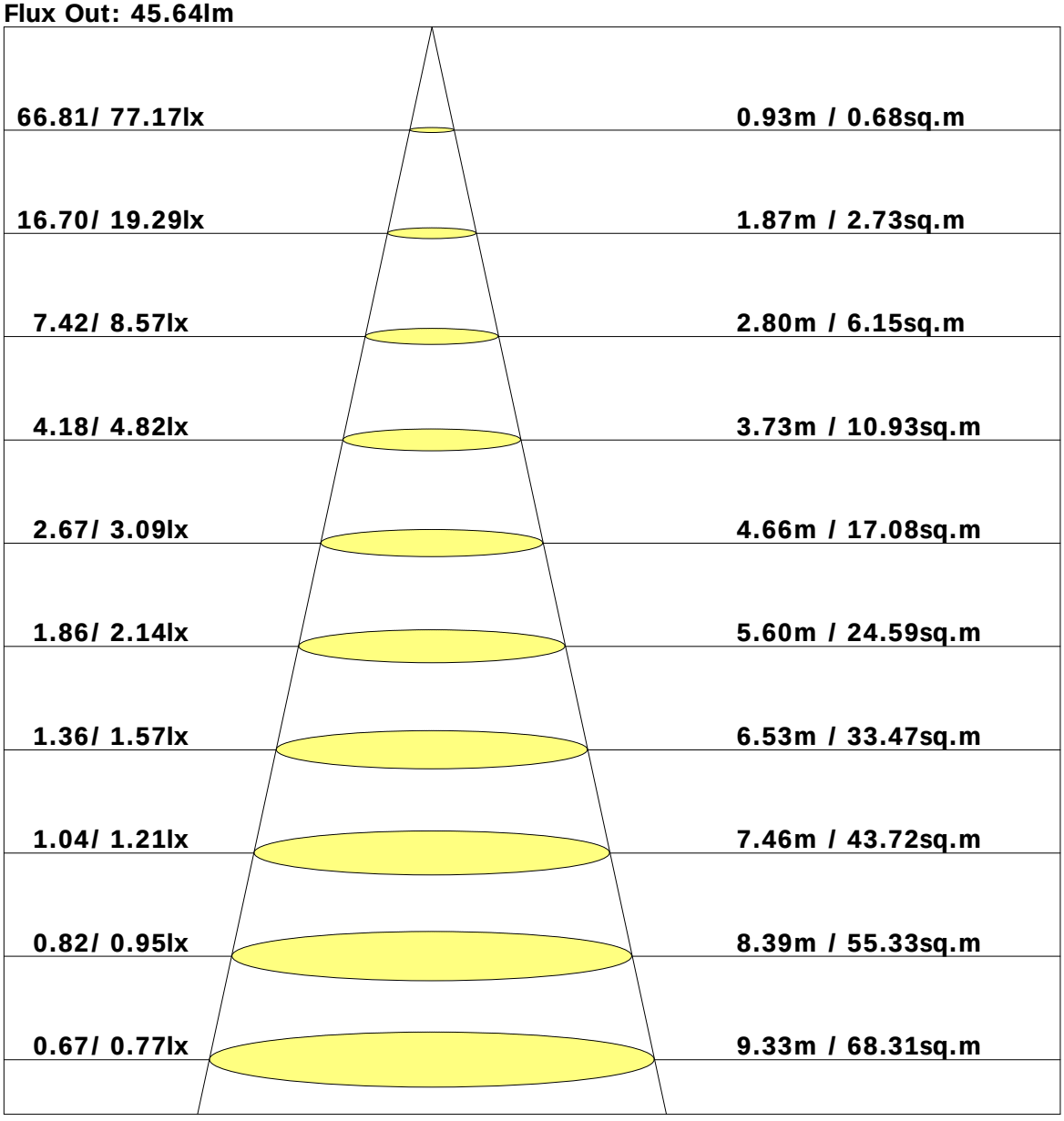
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90 Flux(T)	Flux(E)
-90	0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	10.4	10.3
-80	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2	0.1	0.0	12.8	12.7
-70	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.7	1.8	1.8	1.7	1.5	1.2	0.8	0.5	0.3	0.1	0.0	15.5	15.4
-60	0.0	0.1	0.3	0.6	0.9	1.3	1.7	1.9	2.1	2.1	1.9	1.7	1.3	1.0	0.6	0.3	0.1	0.0	17.9	17.8
-50	0.0	0.1	0.3	0.7	1.1	1.5	1.8	2.1	2.3	2.3	2.1	1.8	1.5	1.1	0.7	0.3	0.1	0.0	19.7	19.7
-40	0.0	0.1	0.4	0.7	1.1	1.5	1.9	2.2	2.4	2.4	2.2	1.9	1.6	1.1	0.7	0.4	0.1	0.0	20.9	20.9
-30	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.2	0.7	0.4	0.1	0.0	21.5	21.4
-20	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.2	0.7	0.4	0.1	0.0	21.4	21.3
-10	0.0	0.1	0.4	0.7	1.1	1.5	1.9	2.2	2.4	2.4	2.2	1.9	1.6	1.1	0.7	0.4	0.1	0.0	20.8	20.7
0	0.0	0.1	0.4	0.7	1.1	1.6	1.9	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.7	0.4	0.1	0.0	20.8	20.8
10	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.4	2.4	2.3	2.0	1.6	1.2	0.7	0.4	0.1	0.0	21.4	21.4
20	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.5	2.4	2.3	2.0	1.6	1.2	0.7	0.4	0.1	0.0	21.5	21.4
30	0.0	0.1	0.4	0.7	1.1	1.6	1.9	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.7	0.4	0.1	0.0	20.9	20.9
40	0.0	0.1	0.3	0.7	1.1	1.5	1.8	2.1	2.3	2.3	2.1	1.8	1.4	1.0	0.7	0.3	0.1	0.0	19.6	19.6
50	0.0	0.1	0.3	0.6	0.9	1.3	1.7	1.9	2.0	2.0	1.9	1.7	1.3	0.9	0.6	0.3	0.1	0.0	17.7	17.7
60	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.6	1.8	1.8	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0	15.3	15.2
70	0.0	0.1	0.2	0.4	0.7	0.9	1.2	1.3	1.5	1.5	1.3	1.2	0.9	0.7	0.4	0.2	0.1	0.0	12.6	12.5
80	0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	10.2	10.1
90 Flux(T)	0.2	1.9	5.5	10.8	17.2	23.9	29.9	34.3	36.8	36.8	34.2	29.8	23.8	17.2	10.8	5.5	1.9	0.2	321	
Flux(E)	0.0	1.8	5.5	10.8	17.2	23.9	29.9	34.3	36.8	36.8	34.2	29.8	23.8	17.2	10.8	5.5	1.7	0.0		320

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: 45.64lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	66.81/ 77.17lx		0.93m / 0.68sq.m
2.0m	16.70/ 19.29lx		1.87m / 2.73sq.m
3.0m	7.42/ 8.57lx		2.80m / 6.15sq.m
4.0m	4.18/ 4.82lx		3.73m / 10.93sq.m
5.0m	2.67/ 3.09lx		4.66m / 17.08sq.m
6.0m	1.86/ 2.14lx		5.60m / 24.59sq.m
7.0m	1.36/ 1.57lx		6.53m / 33.47sq.m
8.0m	1.04/ 1.21lx		7.46m / 43.72sq.m
9.0m	0.82/ 0.95lx		8.39m / 55.33sq.m
10.0m	0.67/ 0.77lx		9.33m / 68.31sq.m

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:

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	17.7	19.0	18.4	19.7	20.5	18.8	20.1	19.4	20.8	21.6
3H	19.5	20.7	20.1	21.4	22.2	21.0	22.2	21.7	22.9	23.8
4H	20.1	21.2	20.8	21.9	22.8	22.1	23.2	22.8	23.9	24.8
6H	20.5	21.5	21.2	22.3	23.1	23.1	24.1	23.8	24.8	25.7
8H	20.6	21.6	21.3	22.3	23.2	23.5	24.5	24.2	25.3	26.1
12H	20.6	21.6	21.4	22.3	23.2	24.0	25.0	24.7	25.7	26.6
X=4H Y=2H	18.5	19.7	19.2	20.4	21.2	19.3	20.5	20.0	21.2	22.0
3H	20.5	21.5	21.2	22.3	23.1	21.9	22.9	22.6	23.6	24.5
4H	21.3	22.2	22.0	23.0	23.8	23.1	24.0	23.8	24.7	25.6
6H	21.9	22.7	22.6	23.4	24.3	24.3	25.0	25.0	25.8	26.7
8H	22.1	22.8	22.8	23.6	24.5	24.8	25.6	25.5	26.3	27.2
12H	22.2	22.9	22.9	23.6	24.6	25.4	26.0	26.1	26.8	27.7
X=8H Y=4H	21.9	22.7	22.6	23.4	24.3	23.4	24.2	24.1	24.9	25.8
6H	22.7	23.3	23.5	24.1	25.0	24.8	25.4	25.6	26.2	27.1
8H	23.0	23.6	23.8	24.4	25.3	25.5	26.1	26.3	26.9	27.8
12H	23.2	23.7	24.0	24.5	25.5	26.2	26.7	27.0	27.5	28.5
X=12H Y=4H	22.0	22.7	22.8	23.5	24.4	23.4	24.1	24.2	24.9	25.8
6H	22.9	23.5	23.7	24.3	25.3	24.9	25.4	25.7	26.2	27.2
8H	23.3	23.8	24.1	24.6	25.6	25.7	26.2	26.4	27.0	27.9

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: 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	0.63	0.68	0.73	0.79	0.84
0.50	0.50	0.20	0.44	0.51	0.58	0.62	0.69	0.73	0.76	0.81	0.84
	0.30		0.37	0.44	0.51	0.56	0.63	0.68	0.72	0.77	0.80
	0.20		0.33	0.40	0.46	0.51	0.58	0.64	0.68	0.73	0.77
0.30	0.50	0.20	0.41	0.47	0.53	0.57	0.63	0.67	0.70	0.73	0.76
	0.30		0.35	0.41	0.47	0.52	0.58	0.62	0.66	0.70	0.73
	0.20		0.31	0.37	0.43	0.48	0.54	0.59	0.62	0.67	0.71
0.00	0.00	0.00	0.27	0.32	0.37	0.41	0.47	0.51	0.54	0.58	0.61

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	1.01	0.87	0.75	0.67	0.55	0.46	0.40	0.32	0.27
	0.30		0.84	0.74	0.66	0.59	0.49	0.43	0.37	0.30	0.26
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.24
0.50	0.50	0.20	0.93	0.80	0.69	0.61	0.50	0.45	0.37	0.30	0.25
	0.30		0.78	0.69	0.61	0.55	0.46	0.40	0.35	0.28	0.24
	0.20		0.68	0.61	0.55	0.50	0.42	0.37	0.33	0.27	0.23
0.30	0.50	0.20	0.85	0.73	0.63	0.56	0.46	0.39	0.34	0.27	0.23
	0.30		0.73	0.65	0.57	0.51	0.43	0.37	0.32	0.26	0.22
	0.20		0.64	0.58	0.51	0.47	0.40	0.34	0.31	0.25	0.21
0.00	0.00	0.00	0.51	0.46	0.41	0.37	0.31	0.27	0.24	0.20	0.17

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	0.38	0.39	0.40	0.41	0.42	0.42	0.42	0.43	0.43
	0.30		0.31	0.32	0.34	0.35	0.36	0.37	0.38	0.39	0.40
	0.20		0.26	0.27	0.29	0.30	0.32	0.33	0.34	0.36	0.37
0.50	0.50	0.20	0.37	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.41
	0.30		0.30	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.38
	0.20		0.26	0.27	0.28	0.29	0.31	0.32	0.33	0.35	0.36
0.30	0.50	0.20	0.35	0.37	0.37	0.38	0.38	0.39	0.39	0.39	0.40
	0.30		0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36	0.37
	0.20		0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.34	0.35
0.00	0.00	0.00	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22

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	77.5	0.1	0.1	0.02	0.02
1.0-2.0	77.6	0.2	0.3	0.05	0.07
2.0-3.0	77.7	0.4	0.7	0.09	0.16
3.0-4.0	77.8	0.5	1.2	0.13	0.29
4.0-5.0	77.9	0.7	1.9	0.16	0.45
5.0-6.0	77.9	0.8	2.7	0.20	0.65
6.0-7.0	78.0	1.0	3.6	0.24	0.89
7.0-8.0	78.1	1.1	4.8	0.27	1.16
8.0-9.0	78.1	1.3	6.0	0.31	1.47
9.0-10.0	78.1	1.4	7.4	0.34	1.81
10.0-11.0	78.2	1.6	9.0	0.38	2.19
11.0-12.0	78.2	1.7	10.7	0.42	2.61
12.0-13.0	78.1	1.9	12.6	0.45	3.06
13.0-14.0	78.1	2.0	14.6	0.49	3.54
14.0-15.0	78.0	2.1	16.7	0.52	4.06
15.0-16.0	78.0	2.3	19.0	0.56	4.62
16.0-17.0	77.9	2.4	21.4	0.59	5.21
17.0-18.0	77.8	2.6	24.0	0.62	5.83
18.0-19.0	77.6	2.7	26.7	0.66	6.49
19.0-20.0	77.5	2.8	29.5	0.69	7.18
20.0-21.0	77.3	3.0	32.5	0.72	7.90
21.0-22.0	77.1	3.1	35.6	0.75	8.66
22.0-23.0	76.9	3.2	38.8	0.78	9.44
23.0-24.0	76.6	3.3	42.2	0.81	10.25
24.0-25.0	76.3	3.5	45.6	0.84	11.10
25.0-26.0	76.0	3.6	49.2	0.87	11.97
26.0-27.0	75.7	3.7	52.9	0.90	12.87
27.0-28.0	75.3	3.8	56.7	0.93	13.80
28.0-29.0	75.0	3.9	60.7	0.95	14.75
29.0-30.0	74.6	4.0	64.7	0.98	15.73
30.0-31.0	74.1	4.1	68.8	1.00	16.74
31.0-32.0	73.7	4.2	73.0	1.03	17.76
32.0-33.0	73.2	4.3	77.4	1.05	18.81
33.0-34.0	72.7	4.4	81.8	1.07	19.88
34.0-35.0	72.2	4.5	86.2	1.09	20.97
35.0-36.0	71.7	4.6	90.8	1.11	22.08

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	71.1	4.6	95.5	1.13	23.21
37.0-38.0	70.5	4.7	100.2	1.15	24.36
38.0-39.0	69.9	4.8	104.9	1.16	25.52
39.0-40.0	69.3	4.8	109.8	1.18	26.69
40.0-41.0	68.6	4.9	114.7	1.19	27.88
41.0-42.0	68.0	4.9	119.6	1.20	29.08
42.0-43.0	67.3	5.0	124.6	1.21	30.29
43.0-44.0	66.6	5.0	129.6	1.22	31.52
44.0-45.0	65.8	5.1	134.7	1.23	32.75
45.0-46.0	65.0	5.1	139.7	1.24	33.98
46.0-47.0	64.3	5.1	144.9	1.24	35.23
47.0-48.0	63.4	5.1	150.0	1.25	36.47
48.0-49.0	62.6	5.1	155.1	1.25	37.72
49.0-50.0	61.8	5.2	160.3	1.25	38.98
50.0-51.0	60.9	5.2	165.4	1.25	40.23
51.0-52.0	60.0	5.2	170.6	1.25	41.48
52.0-53.0	59.1	5.1	175.7	1.25	42.73
53.0-54.0	58.2	5.1	180.9	1.25	43.98
54.0-55.0	57.3	5.1	186.0	1.24	45.23
55.0-56.0	56.3	5.1	191.1	1.24	46.46
56.0-57.0	55.3	5.1	196.1	1.23	47.69
57.0-58.0	54.3	5.0	201.1	1.22	48.91
58.0-59.0	53.3	5.0	206.1	1.21	50.13
59.0-60.0	52.3	4.9	211.1	1.20	51.33
60.0-61.0	51.2	4.9	216.0	1.19	52.52
61.0-62.0	50.2	4.8	220.8	1.18	53.69
62.0-63.0	49.1	4.8	225.6	1.16	54.85
63.0-64.0	48.0	4.7	230.3	1.14	56.00
64.0-65.0	46.9	4.6	234.9	1.13	57.12
65.0-66.0	45.7	4.6	239.5	1.11	58.23
66.0-67.0	44.6	4.5	243.9	1.09	59.32
67.0-68.0	43.5	4.4	248.4	1.07	60.40
68.0-69.0	42.3	4.3	252.7	1.05	61.45
69.0-70.0	41.2	4.2	256.9	1.03	62.47
70.0-71.0	40.0	4.1	261.0	1.01	63.48
71.0-72.0	38.8	4.0	265.1	0.98	64.46

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	37.7	3.9	269.0	0.96	65.42
73.0-74.0	36.5	3.8	272.8	0.93	66.35
74.0-75.0	35.3	3.7	276.6	0.91	67.26
75.0-76.0	34.2	3.6	280.2	0.88	68.14
76.0-77.0	33.0	3.5	283.7	0.86	69.00
77.0-78.0	31.9	3.4	287.2	0.83	69.83
78.0-79.0	30.9	3.3	290.5	0.81	70.64
79.0-80.0	29.8	3.2	293.7	0.78	71.42
80.0-81.0	28.7	3.1	296.8	0.76	72.17
81.0-82.0	27.7	3.0	299.8	0.73	72.90
82.0-83.0	26.7	2.9	302.7	0.71	73.61
83.0-84.0	25.8	2.8	305.5	0.68	74.29
84.0-85.0	24.9	2.7	308.2	0.66	74.96
85.0-86.0	24.1	2.6	310.9	0.64	75.60
86.0-87.0	23.3	2.6	313.4	0.62	76.22
87.0-88.0	22.6	2.5	315.9	0.60	76.82
88.0-89.0	22.0	2.4	318.3	0.59	77.41
89.0-90.0	21.6	2.4	320.7	0.58	77.98
90.0-91.0	21.3	2.3	323.0	0.57	78.55
91.0-92.0	21.1	2.3	325.3	0.56	79.11
92.0-93.0	21.0	2.3	327.6	0.56	79.67
93.0-94.0	20.9	2.3	329.9	0.56	80.23
94.0-95.0	20.8	2.3	332.2	0.55	80.78
95.0-96.0	20.6	2.3	334.4	0.55	81.33
96.0-97.0	20.5	2.2	336.7	0.54	81.87
97.0-98.0	20.4	2.2	338.9	0.54	82.41
98.0-99.0	20.3	2.2	341.1	0.53	82.94
99.0-100.0	20.1	2.2	343.3	0.53	83.47
100.0-101.0	20.0	2.2	345.4	0.53	84.00
101.0-102.0	19.9	2.1	347.6	0.52	84.52
102.0-103.0	19.8	2.1	349.7	0.51	85.03
103.0-104.0	19.6	2.1	351.8	0.51	85.54
104.0-105.0	19.5	2.1	353.8	0.50	86.04
105.0-106.0	19.3	2.0	355.9	0.50	86.54
106.0-107.0	19.1	2.0	357.9	0.49	87.03
107.0-108.0	19.0	2.0	359.9	0.48	87.51

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	18.8	2.0	361.8	0.48	87.99
109.0-110.0	18.6	1.9	363.8	0.47	88.46
110.0-111.0	18.5	1.9	365.6	0.46	88.92
111.0-112.0	18.2	1.9	367.5	0.45	89.37
112.0-113.0	18.0	1.8	369.3	0.44	89.82
113.0-114.0	17.8	1.8	371.1	0.44	90.25
114.0-115.0	17.6	1.8	372.9	0.43	90.68
115.0-116.0	17.4	1.7	374.6	0.42	91.10
116.0-117.0	17.2	1.7	376.3	0.41	91.51
117.0-118.0	17.0	1.6	377.9	0.40	91.91
118.0-119.0	16.7	1.6	379.6	0.39	92.30
119.0-120.0	16.5	1.6	381.1	0.38	92.69
120.0-121.0	16.2	1.5	382.7	0.37	93.06
121.0-122.0	15.9	1.5	384.2	0.36	93.42
122.0-123.0	15.7	1.4	385.6	0.35	93.77
123.0-124.0	15.4	1.4	387.0	0.34	94.12
124.0-125.0	15.1	1.4	388.4	0.33	94.45
125.0-126.0	14.9	1.3	389.7	0.32	94.77
126.0-127.0	14.6	1.3	391.0	0.31	95.08
127.0-128.0	14.3	1.2	392.2	0.30	95.38
128.0-129.0	13.9	1.2	393.4	0.29	95.68
129.0-130.0	13.6	1.2	394.6	0.28	95.96
130.0-131.0	13.3	1.1	395.7	0.27	96.22
131.0-132.0	12.9	1.1	396.7	0.26	96.48
132.0-133.0	12.5	1.0	397.8	0.25	96.73
133.0-134.0	12.2	1.0	398.7	0.24	96.96
134.0-135.0	11.9	0.9	399.7	0.23	97.19
135.0-136.0	11.5	0.9	400.5	0.22	97.40
136.0-137.0	11.1	0.8	401.4	0.20	97.61
137.0-138.0	10.8	0.8	402.2	0.19	97.80
138.0-139.0	10.4	0.8	402.9	0.18	97.99
139.0-140.0	10.1	0.7	403.7	0.17	98.16
140.0-141.0	9.7	0.7	404.3	0.16	98.33
141.0-142.0	9.4	0.6	405.0	0.16	98.48
142.0-143.0	8.8	0.6	405.6	0.14	98.63
143.0-144.0	8.4	0.5	406.1	0.13	98.76

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	8.0	0.5	406.6	0.12	98.88
145.0-146.0	7.7	0.5	407.1	0.12	99.00
146.0-147.0	7.2	0.4	407.5	0.11	99.11
147.0-148.0	6.8	0.4	407.9	0.10	99.20
148.0-149.0	6.5	0.4	408.3	0.09	99.29
149.0-150.0	6.1	0.3	408.6	0.08	99.38
150.0-151.0	5.8	0.3	409.0	0.08	99.45
151.0-152.0	5.4	0.3	409.2	0.07	99.52
152.0-153.0	5.1	0.3	409.5	0.06	99.58
153.0-154.0	4.8	0.2	409.7	0.06	99.64
154.0-155.0	4.4	0.2	409.9	0.05	99.69
155.0-156.0	4.1	0.2	410.1	0.05	99.74
156.0-157.0	3.8	0.2	410.3	0.04	99.78
157.0-158.0	3.5	0.1	410.4	0.04	99.81
158.0-159.0	3.2	0.1	410.6	0.03	99.84
159.0-160.0	2.9	0.1	410.7	0.03	99.87
160.0-161.0	2.6	0.1	410.8	0.02	99.89
161.0-162.0	2.3	0.1	410.8	0.02	99.91
162.0-163.0	2.0	0.1	410.9	0.02	99.93
163.0-164.0	1.8	0.1	411.0	0.01	99.94
164.0-165.0	1.5	0.0	411.0	0.01	99.95
165.0-166.0	1.3	0.0	411.1	0.01	99.96
166.0-167.0	1.2	0.0	411.1	0.01	99.97
167.0-168.0	1.0	0.0	411.1	0.01	99.97
168.0-169.0	0.9	0.0	411.1	0.00	99.98
169.0-170.0	0.8	0.0	411.1	0.00	99.98
170.0-171.0	0.8	0.0	411.2	0.00	99.99
171.0-172.0	0.7	0.0	411.2	0.00	99.99
172.0-173.0	0.7	0.0	411.2	0.00	99.99
173.0-174.0	0.8	0.0	411.2	0.00	99.99
174.0-175.0	0.8	0.0	411.2	0.00	100.00
175.0-176.0	0.8	0.0	411.2	0.00	100.00
176.0-177.0	0.8	0.0	411.2	0.00	100.00
177.0-178.0	0.8	0.0	411.2	0.00	100.00
178.0-179.0	0.8	0.0	411.2	0.00	100.00
179.0-180.0	0.8	0.0	411.2	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: