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

Report No.: **Test Time: 2021/1/19 11:34**

Luminaire Property

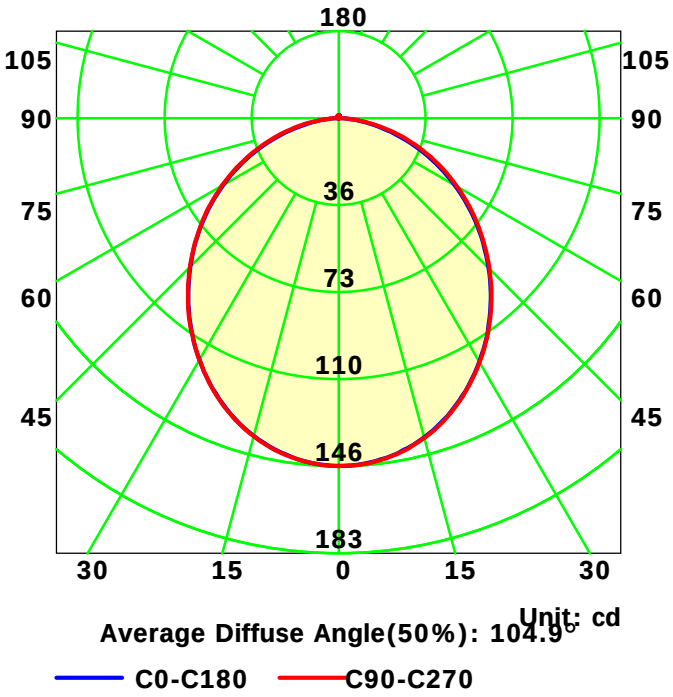
Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AS14
Lamp Description: RB90SWS2203.030
Number of Lamps: 1 ROW
Luminous Length (mm): 500
Luminous Width (mm): 24
Luminous Height (mm): 9
Voltage: 24.0 V
Current: 0.216 A
Power: 5.17 W
Power Factor: 1.000

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 390.5 lm
Measurement Flux: 390.5 lm
Efficiency: 100%
Downward Ratio: 99%
Upward Ratio: 1%
Horizontal Diffuse Angle(10%,50%): H158.2,H104.6
Vertical Diffuse Angle(10%,50%): V160.2,V105.2
Luminaire Efficacy Rating (LER): 76
Central Intensity: 146.75 cd
Max. Intensity: 146.9 cd
Pos of Max. Intensity: H150 V0

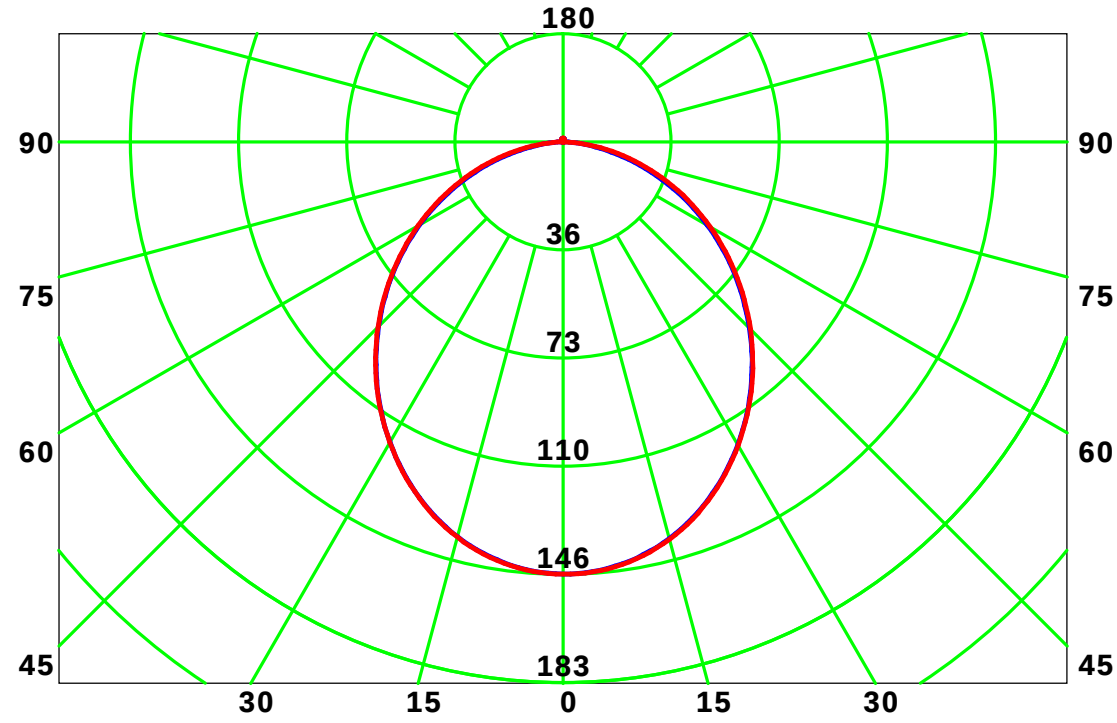
Picture Of Luminaire

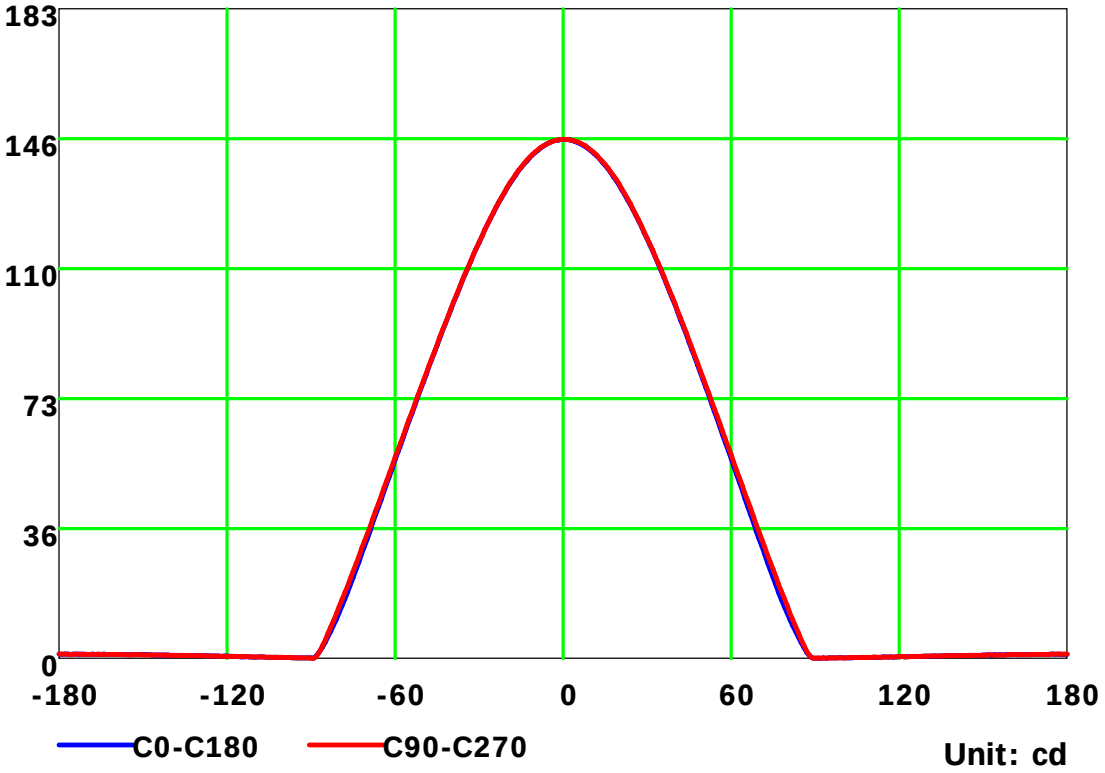
Luminous Intensity Distribution Curve



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

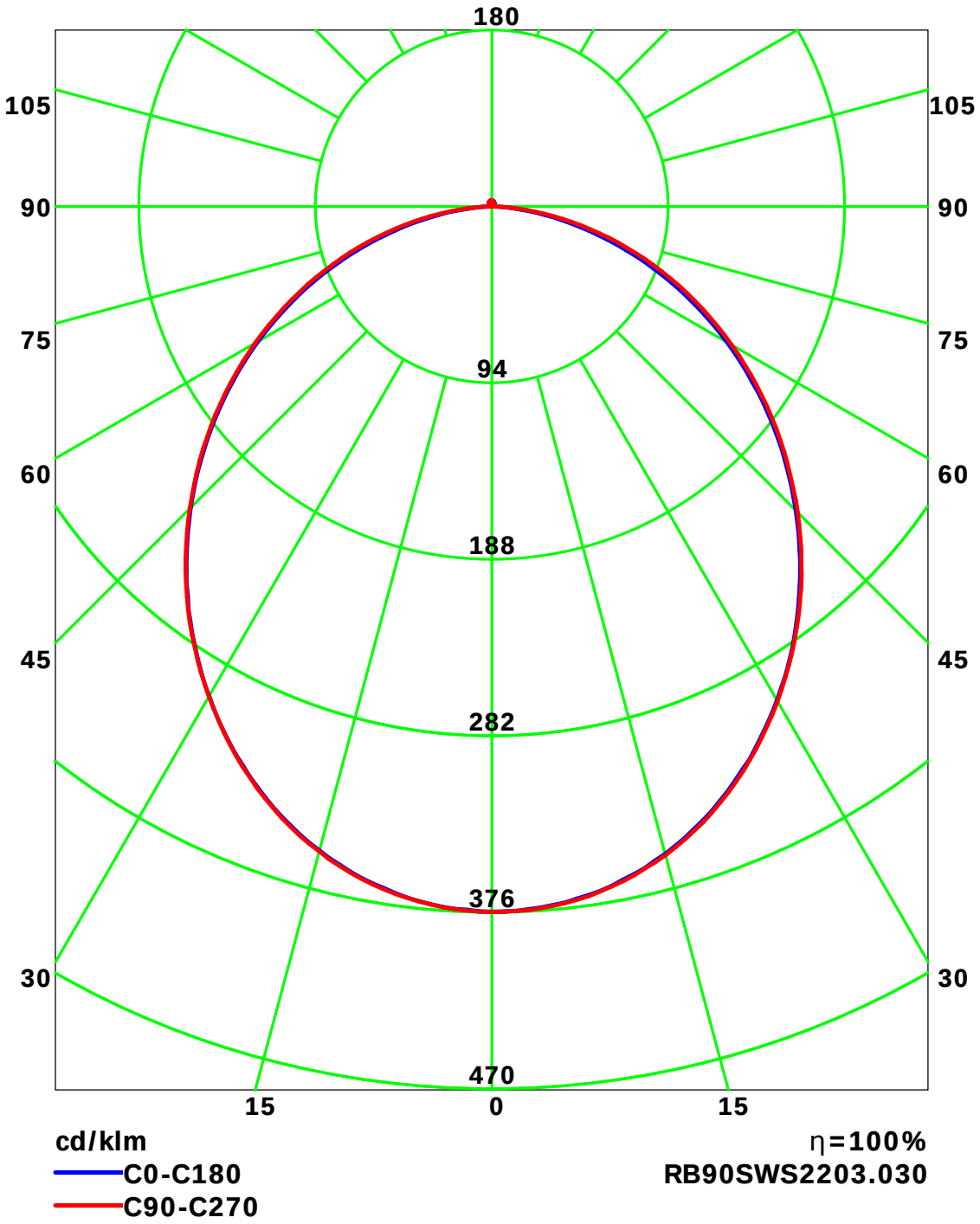




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

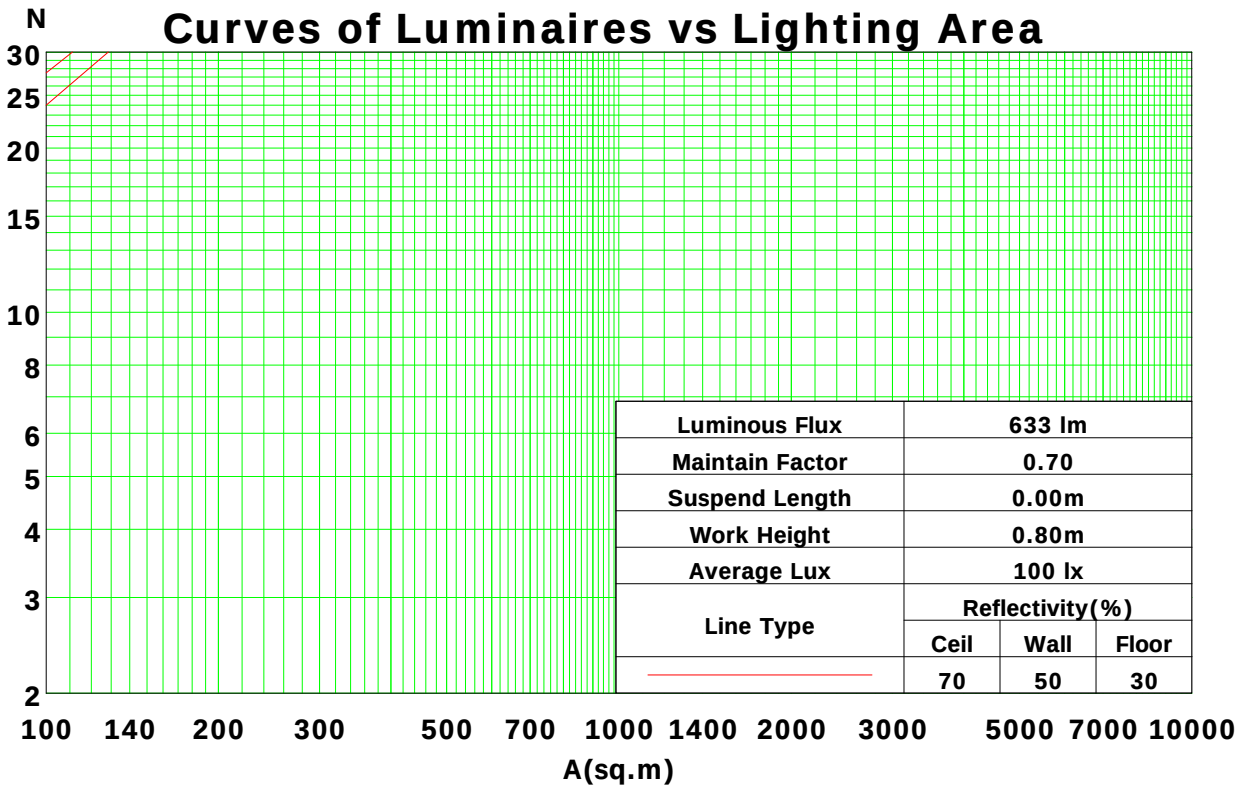
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83
2	99	91	84	79	96	89	83	78	85	80	76	82	77	74	79	75	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	70	65	61	59
4	83	71	62	56	80	70	61	55	67	60	54	65	58	53	62	57	53	50
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	50	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.20
Spacing Criteria (90-270): 1.20
Spacing Criteria (Diagonal): 1.32

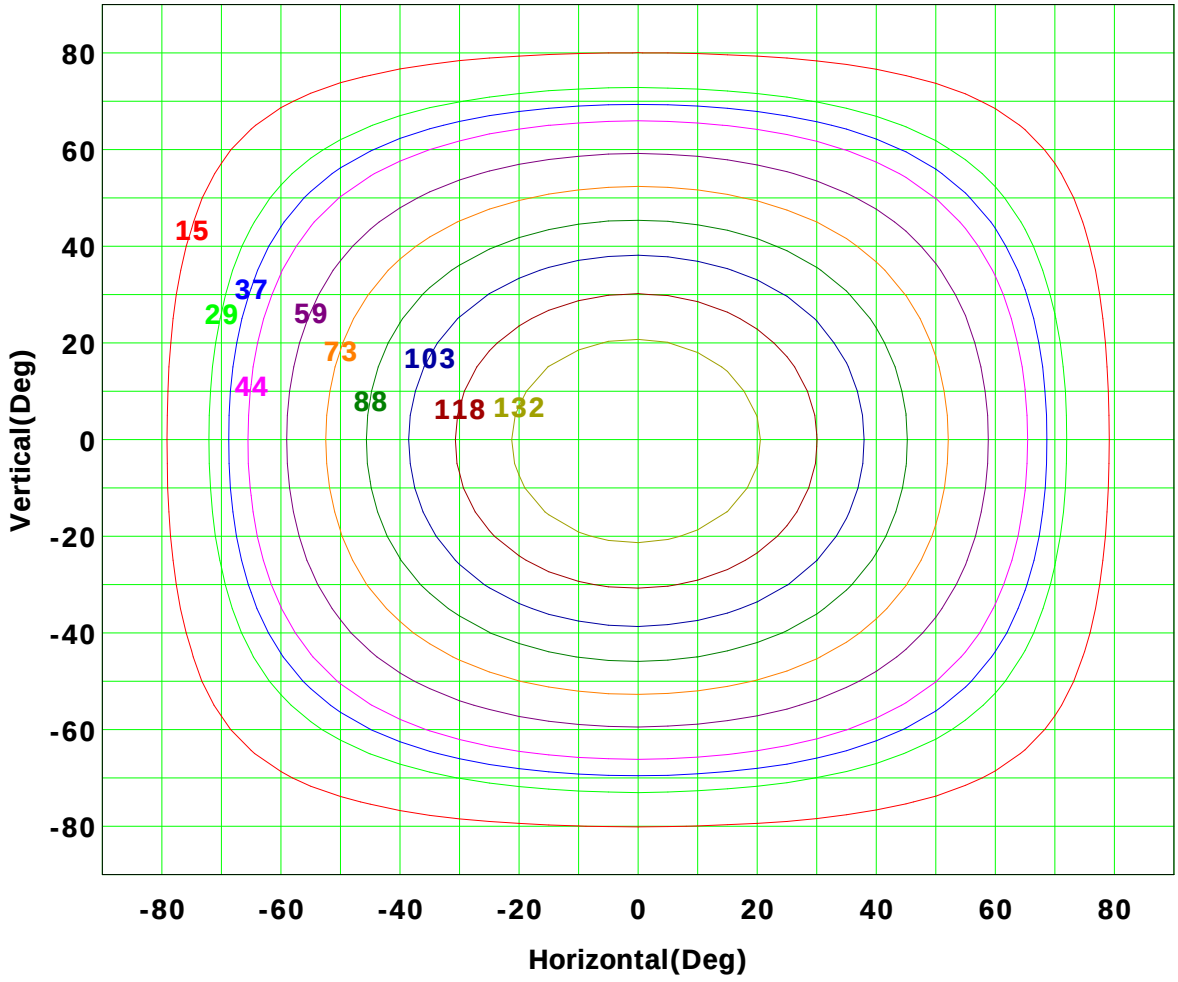
Curves of Luminaires vs Lighting Area



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)



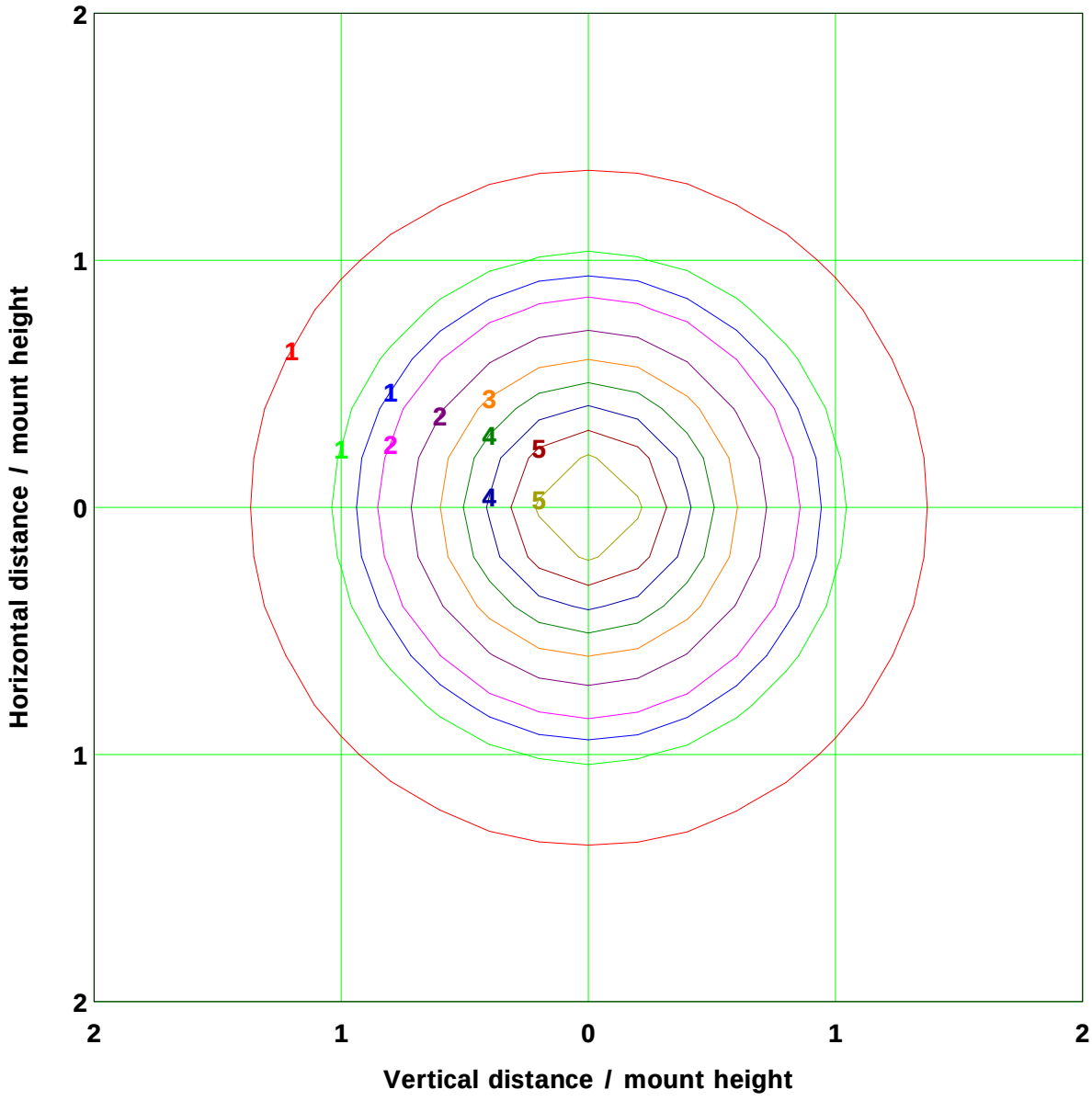
Imax (100%): 147 cd

(10%):	15 cd	(20%):	29 cd
(25%):	37 cd	(30%):	44 cd
(40%):	59 cd	(50%):	73 cd
(60%):	88 cd	(70%):	103 cd
(80%):	118 cd	(90%):	132 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%): 5.9 lx

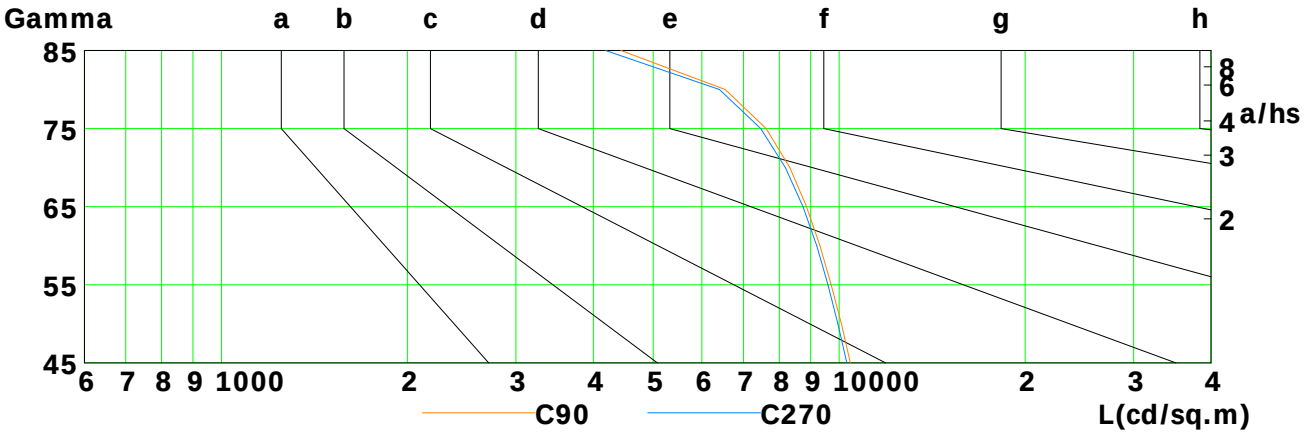
(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.5 lx	(30%): 1.8 lx
(40%): 2.4 lx	(50%): 2.9 lx
(60%): 3.5 lx	(70%): 4.1 lx
(80%): 4.7 lx	(90%): 5.3 lx

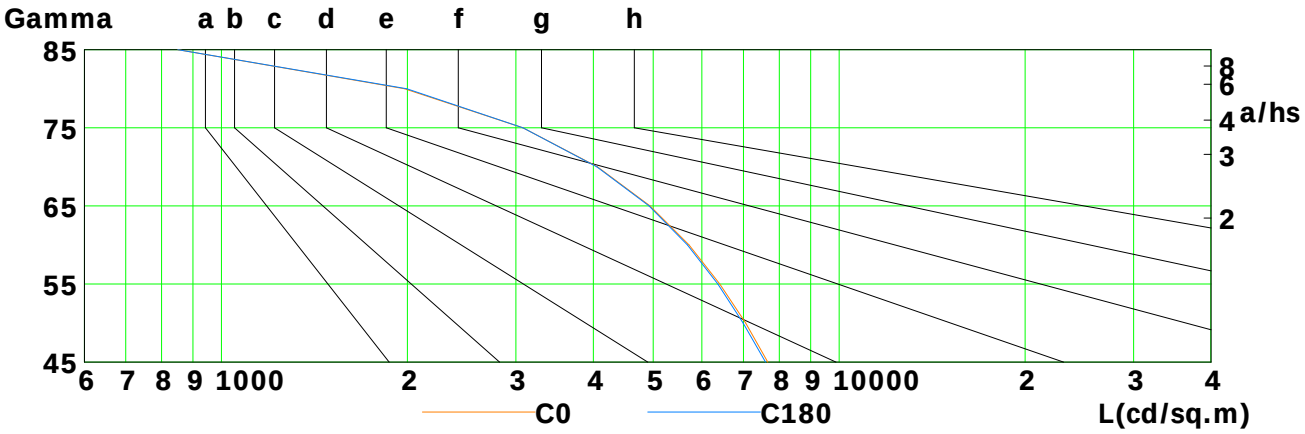
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



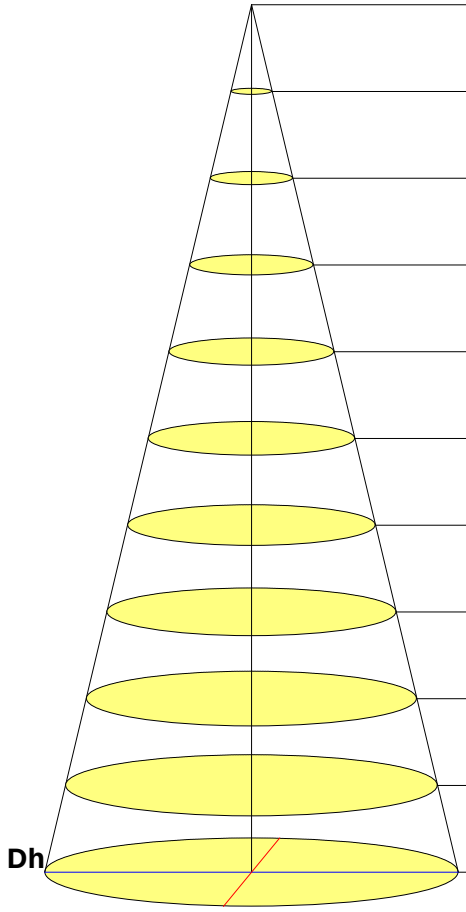


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7668	7061	6415	5717	4941	4065	3080	1978	850
C90	10427	10084	9715	9315	8855	8321	7618	6540	4433
C180	7602	6992	6363	5680	4923	4055	3080	1997	850
C270	10292	9954	9599	9200	8743	8189	7473	6405	4187

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



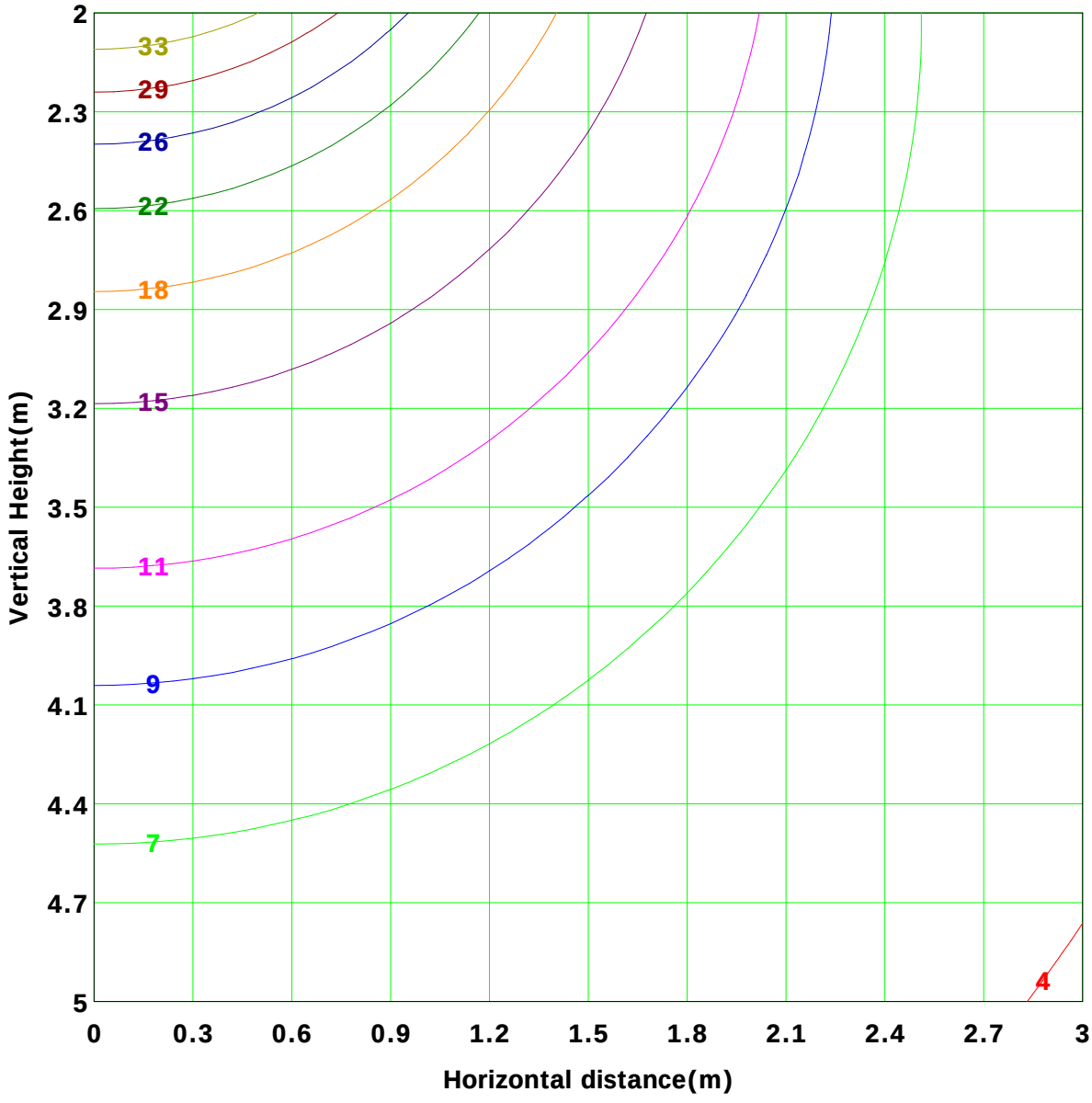
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	146.75	2.59/2.61	5.3	28.25
2.0	36.69	5.18/5.23	21.3	7.06
3.0	16.31	7.77/7.84	48.0	3.14
4.0	9.17	10.36/10.46	85.2	1.77
5.0	5.87	12.95/13.07	133.2	1.13
6.0	4.08	15.54/15.69	191.8	0.78
7.0	2.99	18.13/18.30	261.1	0.58
8.0	2.29	20.72/20.91	341.0	0.44
9.0	1.81	23.31/23.53	431.6	0.35
10.0	1.47	25.89/26.14	532.8	0.28

Beam Angle(B): H104.6 V105.2 Field Angle(F): H158.2 V160.2

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: 36.7 lx

(10%): 3.7 lx	(20%): 7.3 lx
(25%): 9.2 lx	(30%): 11.0 lx
(40%): 14.7 lx	(50%): 18.3 lx
(60%): 22.0 lx	(70%): 25.7 lx
(80%): 29.4 lx	(90%): 33.0 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

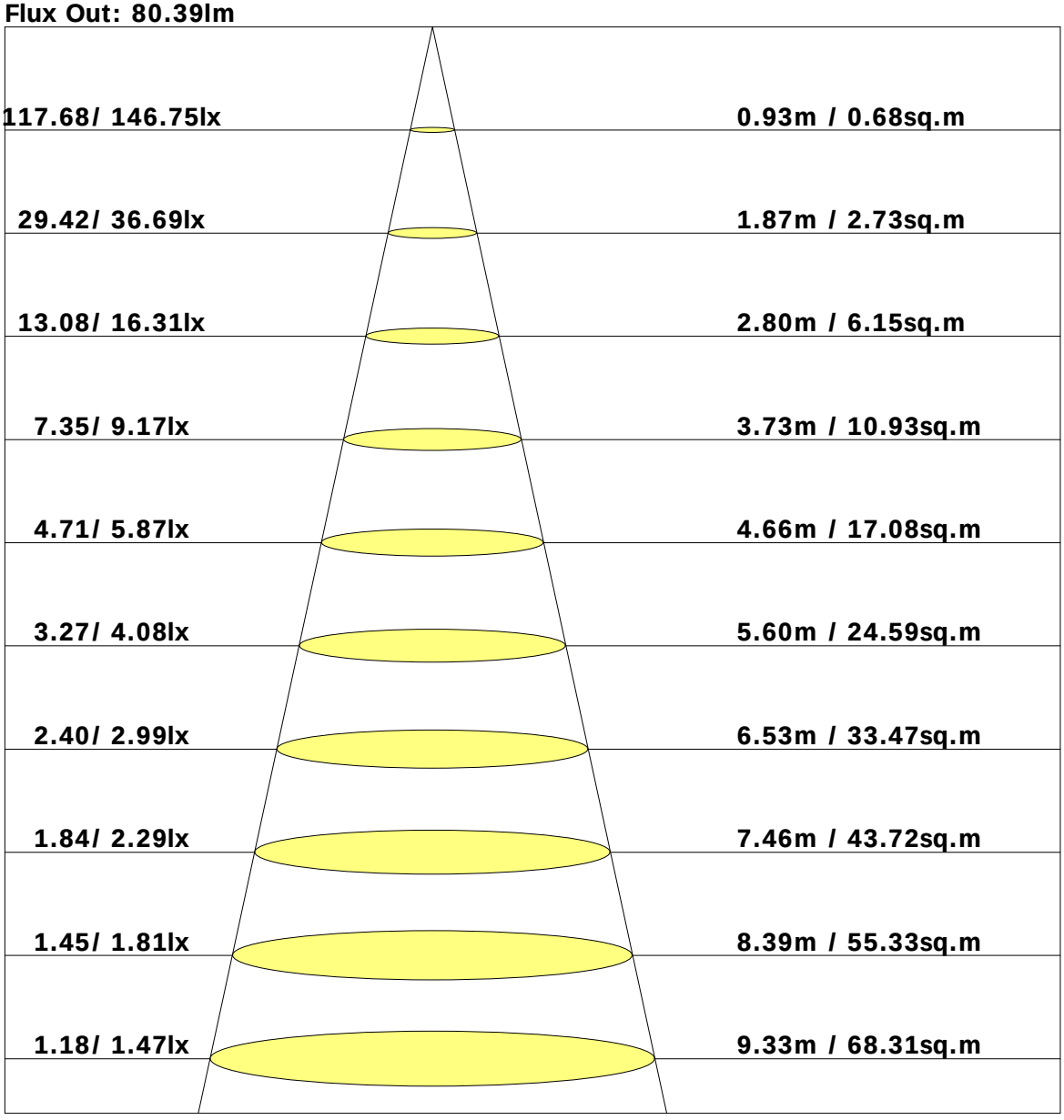
Horizontal plane	Vertical plane																									Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-80	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.5
-70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.7
-60	0.0	0.0	0.2	0.4	0.6	0.8	0.9	1.0	1.1	1.2	1.2	1.0	0.9	0.8	0.6	0.4	0.2	0.0	0.0	0.0	12.0
-50	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.7	1.8	1.9	1.9	1.7	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.1	19.7
-40	0.0	0.1	0.4	0.8	1.2	1.7	2.1	2.4	2.6	2.7	2.7	2.4	2.1	1.7	1.3	0.9	0.5	0.1	0.0	0.1	28.0
-30	0.0	0.1	0.5	0.9	1.5	2.1	2.6	3.0	3.3	3.4	3.4	3.0	2.6	2.1	1.6	1.1	0.6	0.1	0.0	0.1	35.7
-20	0.0	0.1	0.5	1.0	1.7	2.4	3.0	3.5	3.9	4.0	4.0	3.5	3.0	2.5	1.9	1.3	0.7	0.2	0.0	0.2	41.7
-10	0.0	0.2	0.6	1.1	1.8	2.6	3.3	3.8	4.2	4.4	4.4	3.8	3.3	2.7	2.0	1.4	0.7	0.2	0.0	0.2	45.1
0	0.0	0.2	0.6	1.2	1.9	2.7	3.4	4.0	4.4	4.4	4.4	3.8	3.3	2.7	2.0	1.4	0.7	0.2	0.0	0.2	45.1
10	0.0	0.2	0.6	1.2	1.9	2.7	3.4	4.0	4.4	4.4	4.1	3.5	3.0	2.5	1.9	1.3	0.7	0.2	0.0	0.2	41.9
20	0.0	0.2	0.5	1.0	1.7	2.4	3.0	3.5	3.9	4.1	3.5	3.0	2.6	2.2	1.6	1.1	0.6	0.1	0.0	0.1	36.0
30	0.0	0.1	0.5	0.9	1.5	2.1	2.6	3.0	3.3	3.5	2.7	2.4	2.1	1.7	1.3	0.9	0.5	0.1	0.0	0.1	28.2
40	0.0	0.1	0.4	0.8	1.2	1.7	2.1	2.5	2.7	2.9	2.7	2.5	2.1	1.7	1.2	0.9	0.6	0.1	0.0	0.1	19.9
50	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	2.0	1.9	1.7	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	12.1
60	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.4	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	5.8
70	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	0.1	0.0	0.0	0.0	1.4
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	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flux(T)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

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:

The Average Illuminance Effective Figure

Flux Out: 80.39lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	117.68/ 146.75lx		0.93m / 0.68sq.m
2.0m	29.42/ 36.69lx		1.87m / 2.73sq.m
3.0m	13.08/ 16.31lx		2.80m / 6.15sq.m
4.0m	7.35/ 9.17lx		3.73m / 10.93sq.m
5.0m	4.71/ 5.87lx		4.66m / 17.08sq.m
6.0m	3.27/ 4.08lx		5.60m / 24.59sq.m
7.0m	2.40/ 2.99lx		6.53m / 33.47sq.m
8.0m	1.84/ 2.29lx		7.46m / 43.72sq.m
9.0m	1.45/ 1.81lx		8.39m / 55.33sq.m
10.0m	1.18/ 1.47lx		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	22.5	24.1	22.9	24.4	24.8	21.7	23.3	22.1	23.6	24.0
3H	24.2	25.6	24.6	26.0	26.4	23.2	24.6	23.6	25.0	25.4
4H	24.8	26.2	25.2	26.5	26.9	23.7	25.0	24.1	25.4	25.8
6H	25.2	26.4	25.6	26.8	27.2	24.0	25.2	24.4	25.6	26.0
8H	25.3	26.5	25.7	26.9	27.3	24.0	25.2	24.5	25.6	26.1
12H	25.3	26.5	25.8	26.9	27.3	24.1	25.2	24.5	25.6	26.1
X=4H Y=2H	23.0	24.3	23.4	24.7	25.1	22.3	23.6	22.7	24.0	24.4
3H	24.8	26.0	25.3	26.4	26.8	24.0	25.1	24.4	25.5	26.0
4H	25.5	26.6	26.0	27.0	27.4	24.6	25.6	25.0	26.0	26.5
6H	26.0	26.9	26.5	27.4	27.9	25.0	25.9	25.4	26.3	26.8
8H	26.2	27.0	26.6	27.4	27.9	25.1	25.9	25.5	26.4	26.8
12H	26.2	27.0	26.7	27.5	28.0	25.1	25.8	25.6	26.3	26.8
X=8H Y=4H	25.7	26.5	26.2	27.0	27.5	24.8	25.7	25.3	26.1	26.6
6H	26.2	26.9	26.8	27.5	28.0	25.3	26.0	25.8	26.5	27.0
8H	26.4	27.0	27.0	27.6	28.1	25.4	26.0	26.0	26.6	27.1
12H	26.5	27.1	27.1	27.6	28.2	25.5	26.0	26.0	26.5	27.1
X=12H Y=4H	25.7	26.4	26.2	26.9	27.4	24.8	25.6	25.3	26.1	26.6
6H	26.3	26.9	26.8	27.4	27.9	25.3	26.0	25.9	26.4	27.0
8H	26.5	27.0	27.0	27.5	28.1	25.5	26.0	26.0	26.5	27.1

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 = 1.25					
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	0.58	0.68	0.75	0.80	0.88	0.93	0.96	1.01	1.03
	0.30		0.50	0.60	0.68	0.73	0.82	0.87	0.91	0.96	1.00
	0.20		0.44	0.55	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	0.84	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.75	0.80	0.84	0.90	0.94
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.81	0.86	0.89	0.93	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.44	0.53	0.60	0.66	0.73	0.78	0.82	0.87	0.91
0.00	0.00	0.00	0.41	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86

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 = 1.25								
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	0.98	0.81	0.69	0.60	0.48	0.39	0.34	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.94	0.77	0.66	0.57	0.45	0.41	0.32	0.25	0.20
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.19
0.30	0.50	0.20	0.91	0.74	0.63	0.55	0.43	0.36	0.31	0.23	0.19
	0.30		0.78	0.65	0.56	0.50	0.40	0.33	0.29	0.22	0.18
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18
0.00	0.00	0.00	0.58	0.48	0.42	0.37	0.30	0.25	0.21	0.16	0.14

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 = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating: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	146.8	0.1	0.1	0.04	0.04
1.0-2.0	146.7	0.4	0.6	0.11	0.14
2.0-3.0	146.6	0.7	1.3	0.18	0.32
3.0-4.0	146.4	1.0	2.2	0.25	0.57
4.0-5.0	146.1	1.3	3.5	0.32	0.90
5.0-6.0	145.8	1.5	5.0	0.39	1.29
6.0-7.0	145.3	1.8	6.8	0.46	1.75
7.0-8.0	144.9	2.1	8.9	0.53	2.28
8.0-9.0	144.3	2.3	11.2	0.60	2.88
9.0-10.0	143.7	2.6	13.9	0.67	3.55
10.0-11.0	143.1	2.9	16.7	0.73	4.28
11.0-12.0	142.3	3.1	19.8	0.80	5.08
12.0-13.0	141.5	3.4	23.2	0.86	5.94
13.0-14.0	140.7	3.6	26.8	0.92	6.86
14.0-15.0	139.7	3.8	30.6	0.98	7.84
15.0-16.0	138.7	4.1	34.7	1.04	8.88
16.0-17.0	137.7	4.3	39.0	1.10	9.98
17.0-18.0	136.6	4.5	43.5	1.15	11.13
18.0-19.0	135.4	4.7	48.2	1.21	12.34
19.0-20.0	134.2	4.9	53.1	1.26	13.60
20.0-21.0	133.0	5.1	58.2	1.31	14.91
21.0-22.0	131.6	5.3	63.5	1.35	16.26
22.0-23.0	130.2	5.5	69.0	1.40	17.66
23.0-24.0	128.8	5.6	74.6	1.44	19.10
24.0-25.0	127.3	5.8	80.4	1.48	20.59
25.0-26.0	125.8	5.9	86.3	1.52	22.11
26.0-27.0	124.2	6.1	92.4	1.56	23.66
27.0-28.0	122.6	6.2	98.6	1.59	25.25
28.0-29.0	120.9	6.3	104.9	1.62	26.87
29.0-30.0	119.3	6.4	111.4	1.65	28.52
30.0-31.0	117.5	6.5	117.9	1.68	30.20
31.0-32.0	115.8	6.6	124.6	1.70	31.90
32.0-33.0	114.0	6.7	131.3	1.72	33.62
33.0-34.0	112.2	6.8	138.1	1.74	35.35
34.0-35.0	110.3	6.9	144.9	1.75	37.11
35.0-36.0	108.4	6.9	151.8	1.77	38.88

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	106.5	6.9	158.8	1.78	40.66
37.0-38.0	104.6	7.0	165.7	1.79	42.44
38.0-39.0	102.6	7.0	172.8	1.79	44.24
39.0-40.0	100.7	7.0	179.8	1.80	46.04
40.0-41.0	98.6	7.0	186.8	1.80	47.83
41.0-42.0	96.6	7.0	193.8	1.80	49.63
42.0-43.0	94.6	7.0	200.8	1.79	51.43
43.0-44.0	92.5	7.0	207.8	1.79	53.21
44.0-45.0	90.4	6.9	214.8	1.78	54.99
45.0-46.0	88.3	6.9	221.7	1.77	56.76
46.0-47.0	86.2	6.9	228.5	1.76	58.52
47.0-48.0	84.1	6.8	235.3	1.74	60.26
48.0-49.0	82.0	6.7	242.0	1.72	61.98
49.0-50.0	79.8	6.7	248.7	1.70	63.69
50.0-51.0	77.7	6.6	255.3	1.68	65.37
51.0-52.0	75.5	6.5	261.8	1.66	67.03
52.0-53.0	73.4	6.4	268.1	1.63	68.66
53.0-54.0	71.2	6.3	274.4	1.61	70.27
54.0-55.0	69.0	6.2	280.6	1.58	71.85
55.0-56.0	66.8	6.0	286.6	1.55	73.39
56.0-57.0	64.6	5.9	292.5	1.51	74.91
57.0-58.0	62.4	5.8	298.3	1.48	76.39
58.0-59.0	60.2	5.6	303.9	1.44	77.83
59.0-60.0	58.0	5.5	309.4	1.40	79.23
60.0-61.0	55.8	5.3	314.7	1.36	80.60
61.0-62.0	53.6	5.2	319.9	1.32	81.92
62.0-63.0	51.3	5.0	324.9	1.28	83.20
63.0-64.0	49.1	4.8	329.7	1.23	84.43
64.0-65.0	46.9	4.6	334.4	1.19	85.62
65.0-66.0	44.7	4.5	338.8	1.14	86.76
66.0-67.0	42.5	4.3	343.1	1.09	87.86
67.0-68.0	40.3	4.1	347.2	1.05	88.90
68.0-69.0	38.1	3.9	351.1	1.00	89.90
69.0-70.0	35.9	3.7	354.7	0.94	90.84
70.0-71.0	33.7	3.5	358.2	0.89	91.74
71.0-72.0	31.6	3.3	361.5	0.84	92.58

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	29.4	3.1	364.6	0.79	93.37
73.0-74.0	27.3	2.9	367.5	0.73	94.10
74.0-75.0	25.2	2.7	370.1	0.68	94.78
75.0-76.0	23.1	2.5	372.6	0.63	95.41
76.0-77.0	21.0	2.2	374.8	0.57	95.99
77.0-78.0	19.0	2.0	376.9	0.52	96.51
78.0-79.0	17.0	1.8	378.7	0.47	96.97
79.0-80.0	15.0	1.6	380.3	0.42	97.39
80.0-81.0	13.1	1.4	381.7	0.36	97.75
81.0-82.0	11.3	1.2	383.0	0.31	98.07
82.0-83.0	9.4	1.0	384.0	0.26	98.33
83.0-84.0	7.6	0.8	384.8	0.21	98.54
84.0-85.0	5.9	0.6	385.5	0.17	98.71
85.0-86.0	4.3	0.5	385.9	0.12	98.83
86.0-87.0	2.7	0.3	386.2	0.08	98.90
87.0-88.0	1.4	0.2	386.4	0.04	98.94
88.0-89.0	0.5	0.1	386.4	0.02	98.96
89.0-90.0	0.2	0.0	386.5	0.01	98.96
90.0-91.0	0.2	0.0	386.5	0.01	98.97
91.0-92.0	0.2	0.0	386.5	0.01	98.98
92.0-93.0	0.2	0.0	386.5	0.01	98.98
93.0-94.0	0.2	0.0	386.6	0.01	98.99
94.0-95.0	0.2	0.0	386.6	0.01	98.99
95.0-96.0	0.2	0.0	386.6	0.01	99.00
96.0-97.0	0.3	0.0	386.6	0.01	99.01
97.0-98.0	0.3	0.0	386.7	0.01	99.02
98.0-99.0	0.3	0.0	386.7	0.01	99.02
99.0-100.0	0.3	0.0	386.7	0.01	99.03
100.0-101.0	0.3	0.0	386.8	0.01	99.04
101.0-102.0	0.3	0.0	386.8	0.01	99.05
102.0-103.0	0.3	0.0	386.8	0.01	99.06
103.0-104.0	0.3	0.0	386.9	0.01	99.07
104.0-105.0	0.4	0.0	386.9	0.01	99.08
105.0-106.0	0.4	0.0	386.9	0.01	99.09
106.0-107.0	0.4	0.0	387.0	0.01	99.10
107.0-108.0	0.4	0.0	387.0	0.01	99.11

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	0.4	0.0	387.1	0.01	99.12
109.0-110.0	0.4	0.0	387.1	0.01	99.13
110.0-111.0	0.5	0.0	387.2	0.01	99.15
111.0-112.0	0.5	0.0	387.2	0.01	99.16
112.0-113.0	0.5	0.0	387.3	0.01	99.17
113.0-114.0	0.5	0.0	387.3	0.01	99.18
114.0-115.0	0.5	0.1	387.4	0.01	99.20
115.0-116.0	0.5	0.1	387.4	0.01	99.21
116.0-117.0	0.6	0.1	387.5	0.01	99.23
117.0-118.0	0.6	0.1	387.5	0.01	99.24
118.0-119.0	0.6	0.1	387.6	0.01	99.25
119.0-120.0	0.6	0.1	387.7	0.02	99.27
120.0-121.0	0.6	0.1	387.7	0.02	99.28
121.0-122.0	0.6	0.1	387.8	0.02	99.30
122.0-123.0	0.6	0.1	387.8	0.02	99.32
123.0-124.0	0.7	0.1	387.9	0.02	99.33
124.0-125.0	0.7	0.1	388.0	0.02	99.35
125.0-126.0	0.7	0.1	388.0	0.02	99.36
126.0-127.0	0.7	0.1	388.1	0.02	99.38
127.0-128.0	0.7	0.1	388.1	0.02	99.39
128.0-129.0	0.7	0.1	388.2	0.02	99.41
129.0-130.0	0.8	0.1	388.3	0.02	99.43
130.0-131.0	0.8	0.1	388.3	0.02	99.44
131.0-132.0	0.8	0.1	388.4	0.02	99.46
132.0-133.0	0.8	0.1	388.5	0.02	99.48
133.0-134.0	0.8	0.1	388.5	0.02	99.49
134.0-135.0	0.8	0.1	388.6	0.02	99.51
135.0-136.0	0.8	0.1	388.7	0.02	99.53
136.0-137.0	0.9	0.1	388.7	0.02	99.54
137.0-138.0	0.9	0.1	388.8	0.02	99.56
138.0-139.0	0.9	0.1	388.9	0.02	99.58
139.0-140.0	0.9	0.1	388.9	0.02	99.59
140.0-141.0	0.9	0.1	389.0	0.02	99.61
141.0-142.0	0.9	0.1	389.1	0.02	99.63
142.0-143.0	1.0	0.1	389.1	0.02	99.64
143.0-144.0	1.0	0.1	389.2	0.02	99.66

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	1.0	0.1	389.2	0.02	99.68
145.0-146.0	1.0	0.1	389.3	0.02	99.69
146.0-147.0	1.0	0.1	389.4	0.02	99.71
147.0-148.0	1.0	0.1	389.4	0.02	99.72
148.0-149.0	1.0	0.1	389.5	0.02	99.74
149.0-150.0	1.0	0.1	389.5	0.01	99.75
150.0-151.0	1.1	0.1	389.6	0.01	99.77
151.0-152.0	1.1	0.1	389.7	0.01	99.78
152.0-153.0	1.1	0.1	389.7	0.01	99.80
153.0-154.0	1.1	0.1	389.8	0.01	99.81
154.0-155.0	1.1	0.1	389.8	0.01	99.82
155.0-156.0	1.1	0.0	389.9	0.01	99.84
156.0-157.0	1.1	0.0	389.9	0.01	99.85
157.0-158.0	1.1	0.0	390.0	0.01	99.86
158.0-159.0	1.1	0.0	390.0	0.01	99.87
159.0-160.0	1.1	0.0	390.0	0.01	99.88
160.0-161.0	1.2	0.0	390.1	0.01	99.89
161.0-162.0	1.2	0.0	390.1	0.01	99.90
162.0-163.0	1.2	0.0	390.2	0.01	99.91
163.0-164.0	1.2	0.0	390.2	0.01	99.92
164.0-165.0	1.2	0.0	390.2	0.01	99.93
165.0-166.0	1.2	0.0	390.3	0.01	99.94
166.0-167.0	1.2	0.0	390.3	0.01	99.95
167.0-168.0	1.2	0.0	390.3	0.01	99.96
168.0-169.0	1.2	0.0	390.4	0.01	99.96
169.0-170.0	1.2	0.0	390.4	0.01	99.97
170.0-171.0	1.2	0.0	390.4	0.01	99.98
171.0-172.0	1.2	0.0	390.4	0.01	99.98
172.0-173.0	1.2	0.0	390.4	0.00	99.98
173.0-174.0	1.3	0.0	390.5	0.00	99.99
174.0-175.0	1.3	0.0	390.5	0.00	99.99
175.0-176.0	1.3	0.0	390.5	0.00	100.00
176.0-177.0	1.3	0.0	390.5	0.00	100.00
177.0-178.0	1.3	0.0	390.5	0.00	100.00
178.0-179.0	1.3	0.0	390.5	0.00	100.00
179.0-180.0	1.3	0.0	390.5	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: