ACOLYTE
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Report No.: **Test Time: 2021/2/18 17:01**

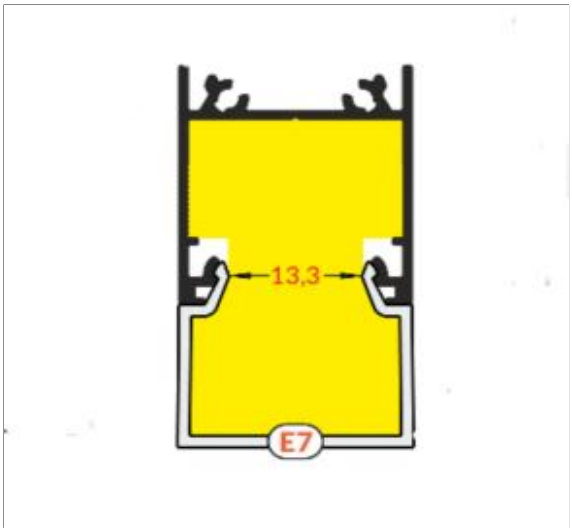
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AS23
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 1 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 23
Luminous Height (mm): 40.7
Voltage: 24.0 V
Current: 0.224 A
Power: 5.39 W
Power Factor: 1.000

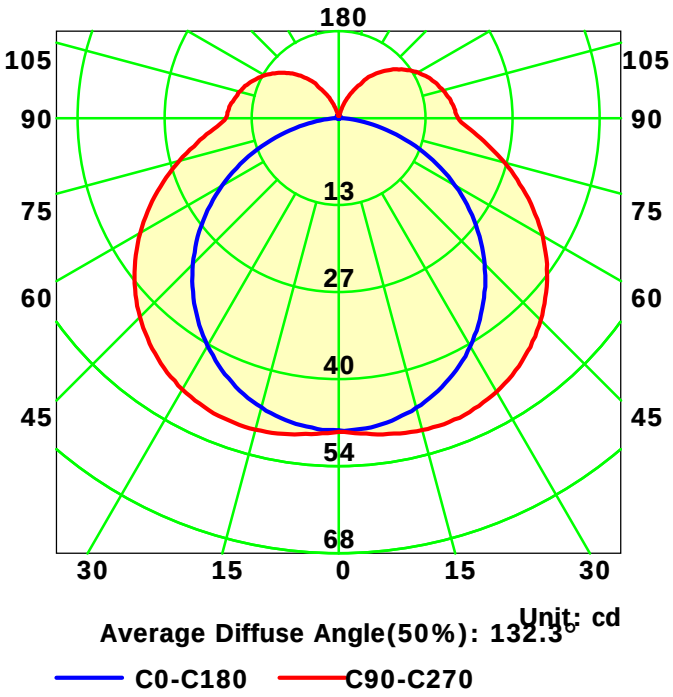
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 232.1 lm
Measurement Flux: 232.1 lm
Efficiency: 100%
Downward Ratio: 81%
Upward Ratio: 19%
Horizontal Diffuse Angle(10%,50%): H159.8,H111.4
Vertical Diffuse Angle(10%,50%): V301.6,V153.2
Luminaire Efficacy Rating (LER): 43
Central Intensity: 48.95 cd
Max. Intensity: 50.73 cd
Pos of Max. Intensity: H90 V19

Picture Of Luminaire



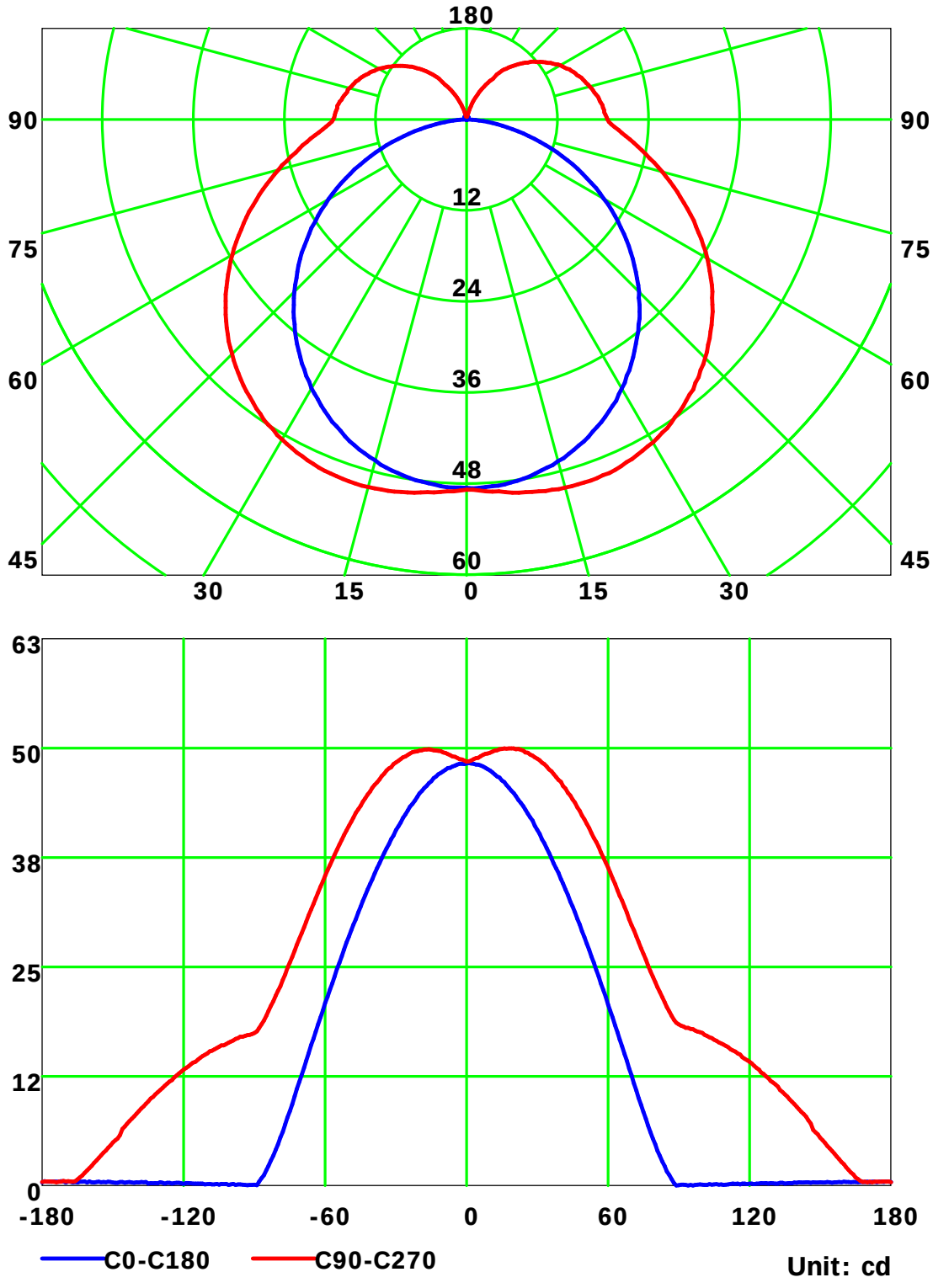
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 132.3°
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:

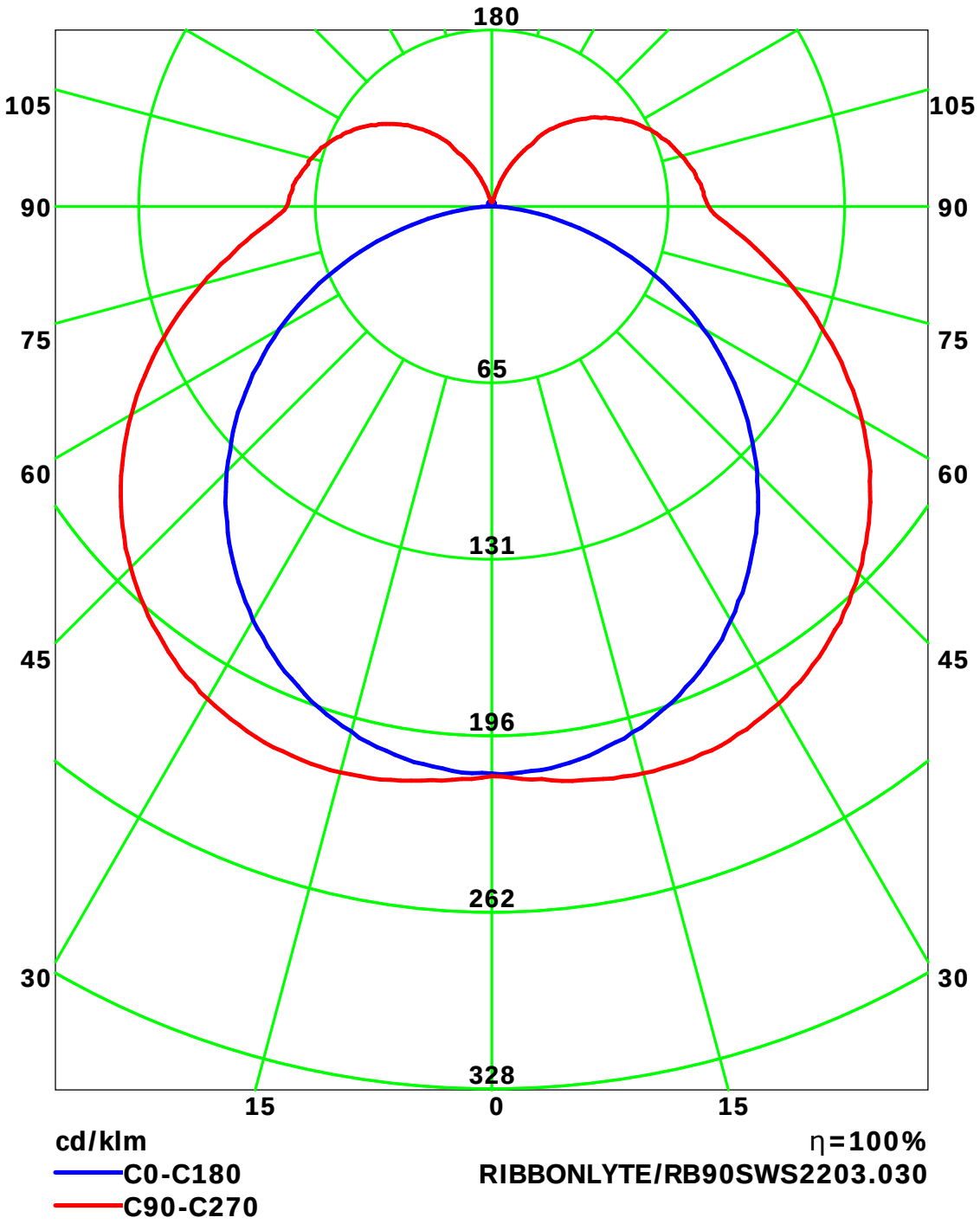
Luminous Intensity Distribution Curve



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

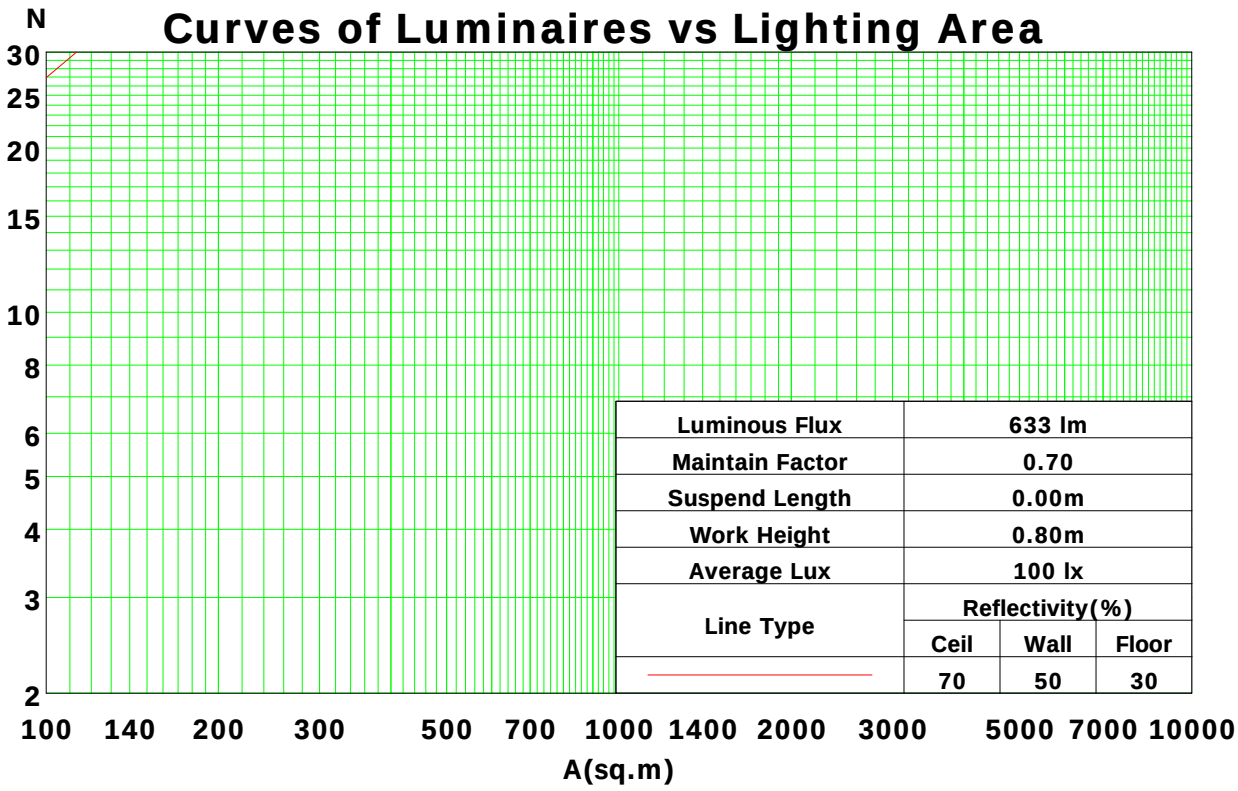
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	115	115	115	115	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	102	96	91	87	97	92	88	84	85	81	78	77	75	72	71	69	67	63
2	92	83	75	69	87	79	72	66	73	67	62	66	62	58	61	57	54	51
3	83	72	63	56	79	69	61	54	63	56	51	58	52	48	53	48	45	42
4	76	63	54	47	72	60	52	45	56	48	43	51	45	40	47	42	38	35
5	69	56	47	40	66	54	45	39	49	42	36	45	39	34	42	37	32	30
6	64	50	41	34	61	48	40	33	44	37	32	41	35	30	38	32	28	26
7	59	45	36	30	56	43	35	29	40	33	28	37	31	26	34	29	25	22
8	55	41	32	26	52	39	31	26	37	29	24	34	28	23	31	26	22	20
9	51	37	29	23	49	36	28	23	34	27	22	31	25	21	29	24	20	18
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.49
Spacing Criteria (Diagonal): 1.52

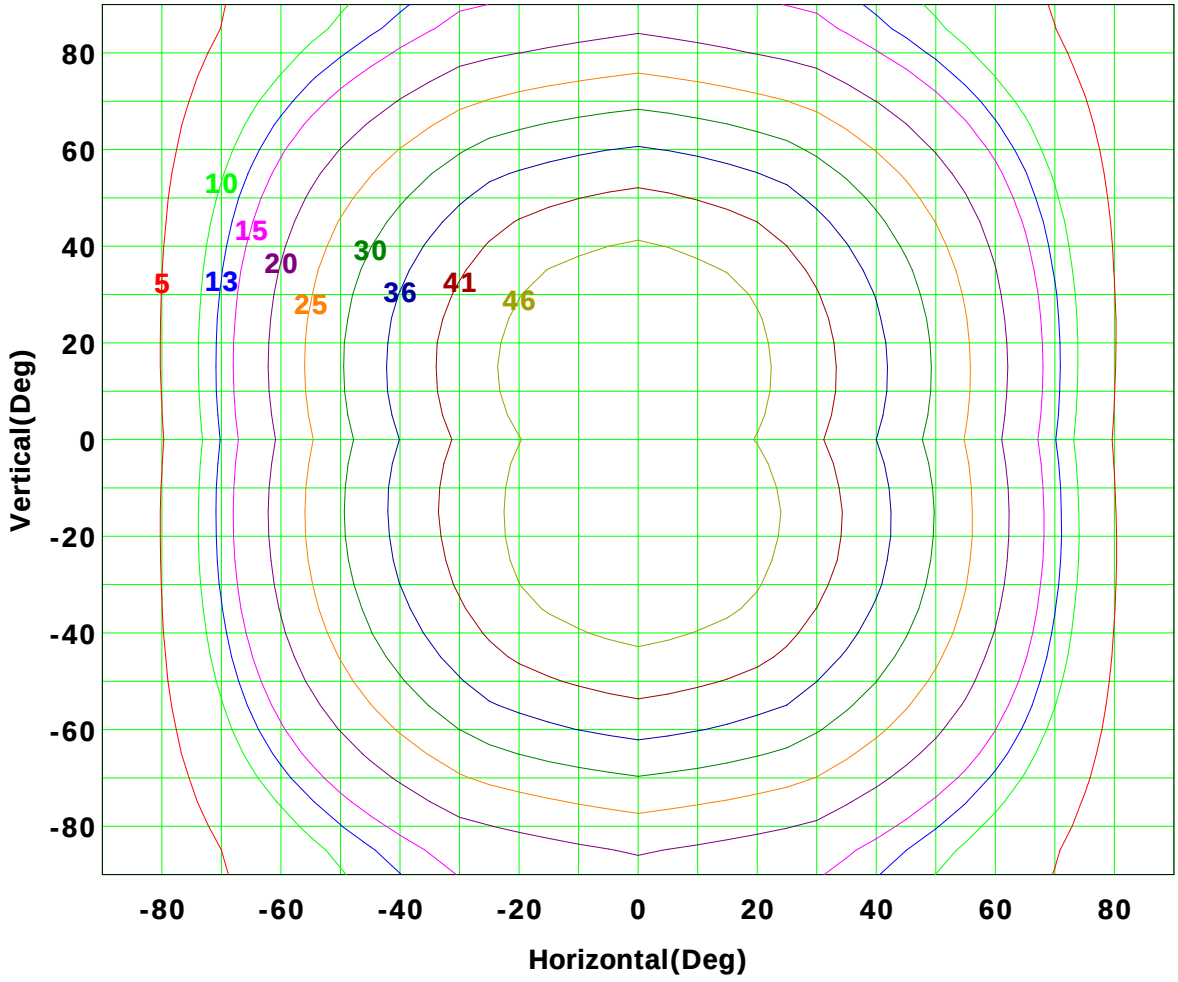
Curves of Luminaires vs Lighting Area



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)



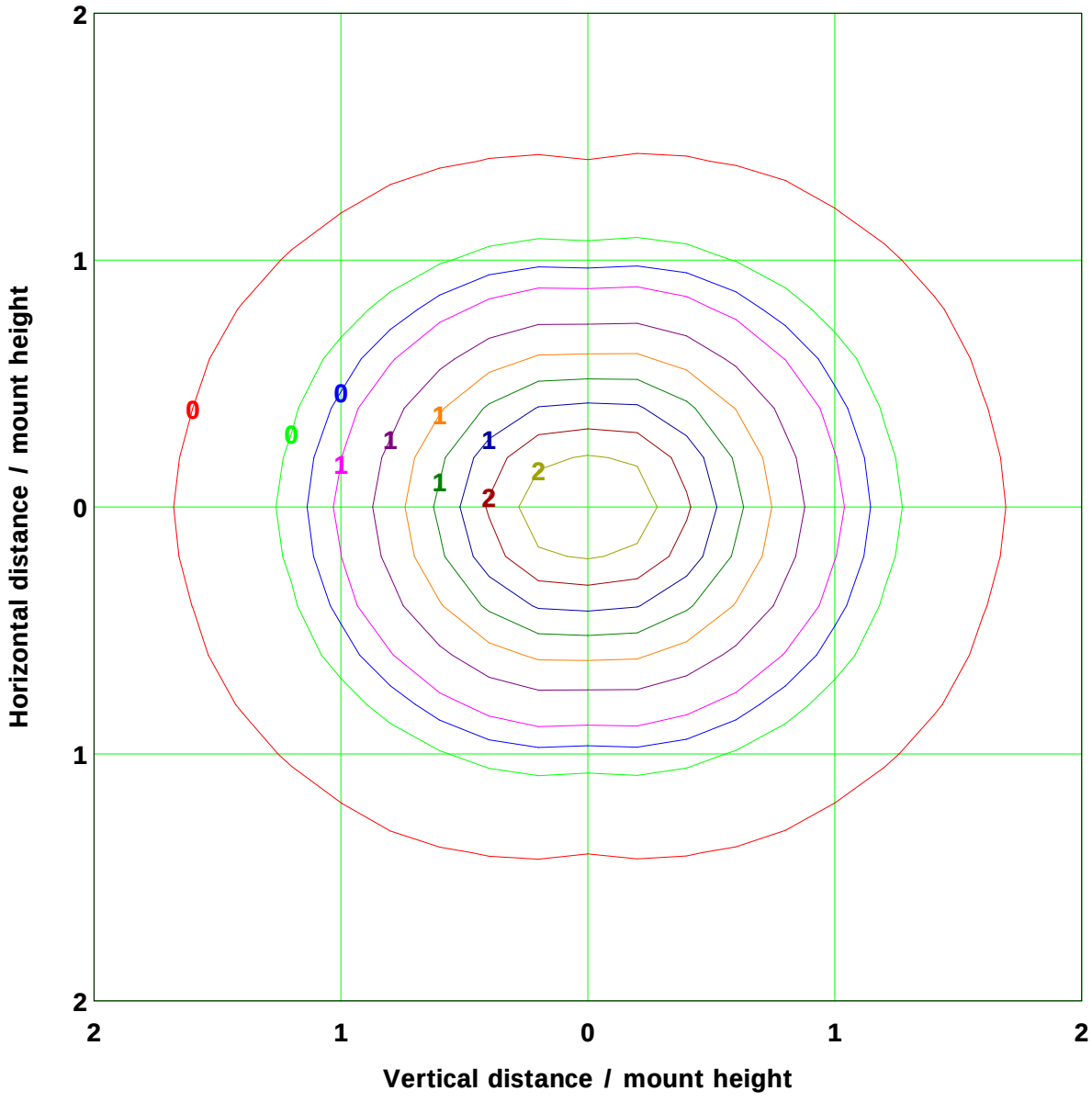
Imax (100%): 51 cd

(10%):	5 cd	(20%):	10 cd
(25%):	13 cd	(30%):	15 cd
(40%):	20 cd	(50%):	25 cd
(60%):	30 cd	(70%):	36 cd
(80%):	41 cd	(90%):	46 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%): 2.0 lx

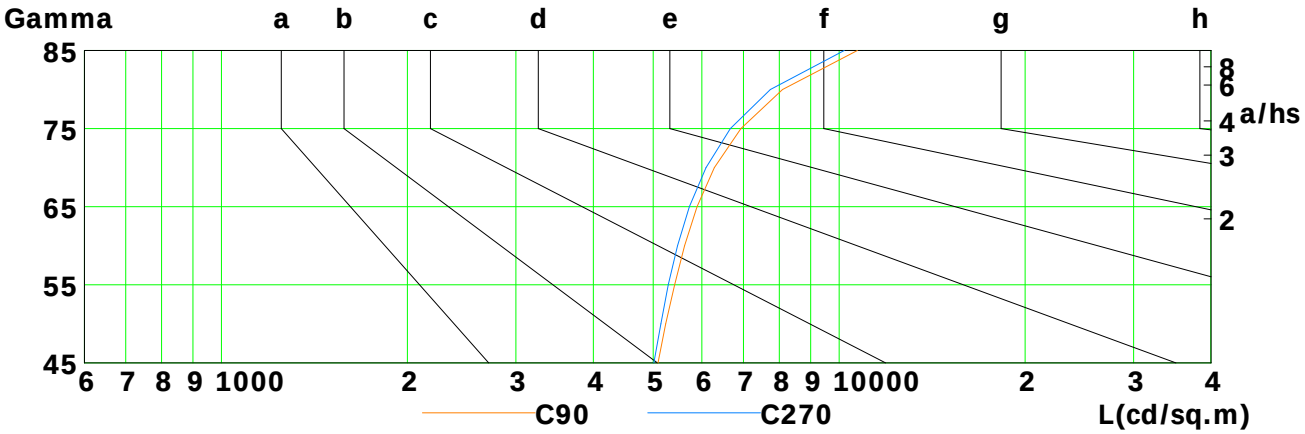
(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.8 lx	(50%): 1.0 lx
(60%): 1.2 lx	(70%): 1.4 lx
(80%): 1.6 lx	(90%): 1.8 lx

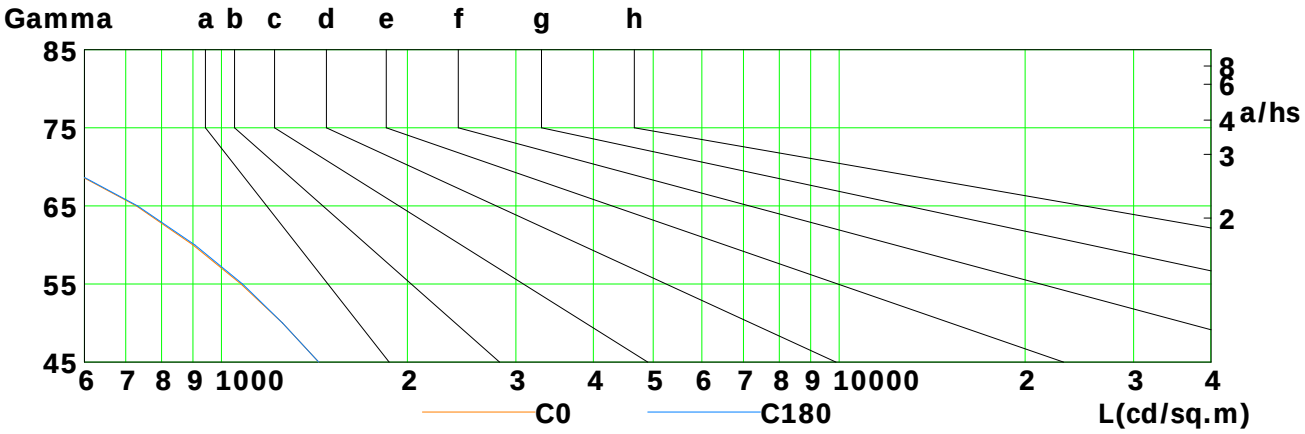
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



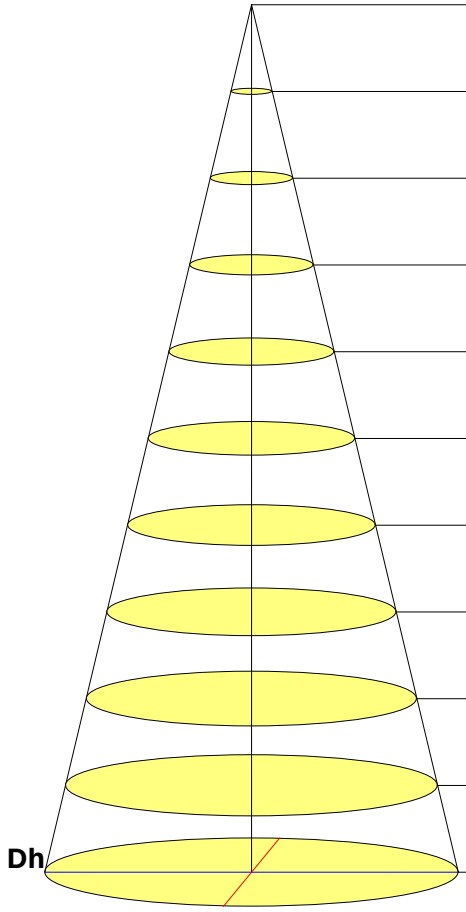


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1439	1256	1076	899	729	556	380	219	78
C90	5095	5241	5418	5626	5893	6279	6934	8096	10709
C180	1438	1257	1082	906	732	558	382	218	86
C270	5012	5145	5293	5478	5725	6088	6672	7743	10192

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



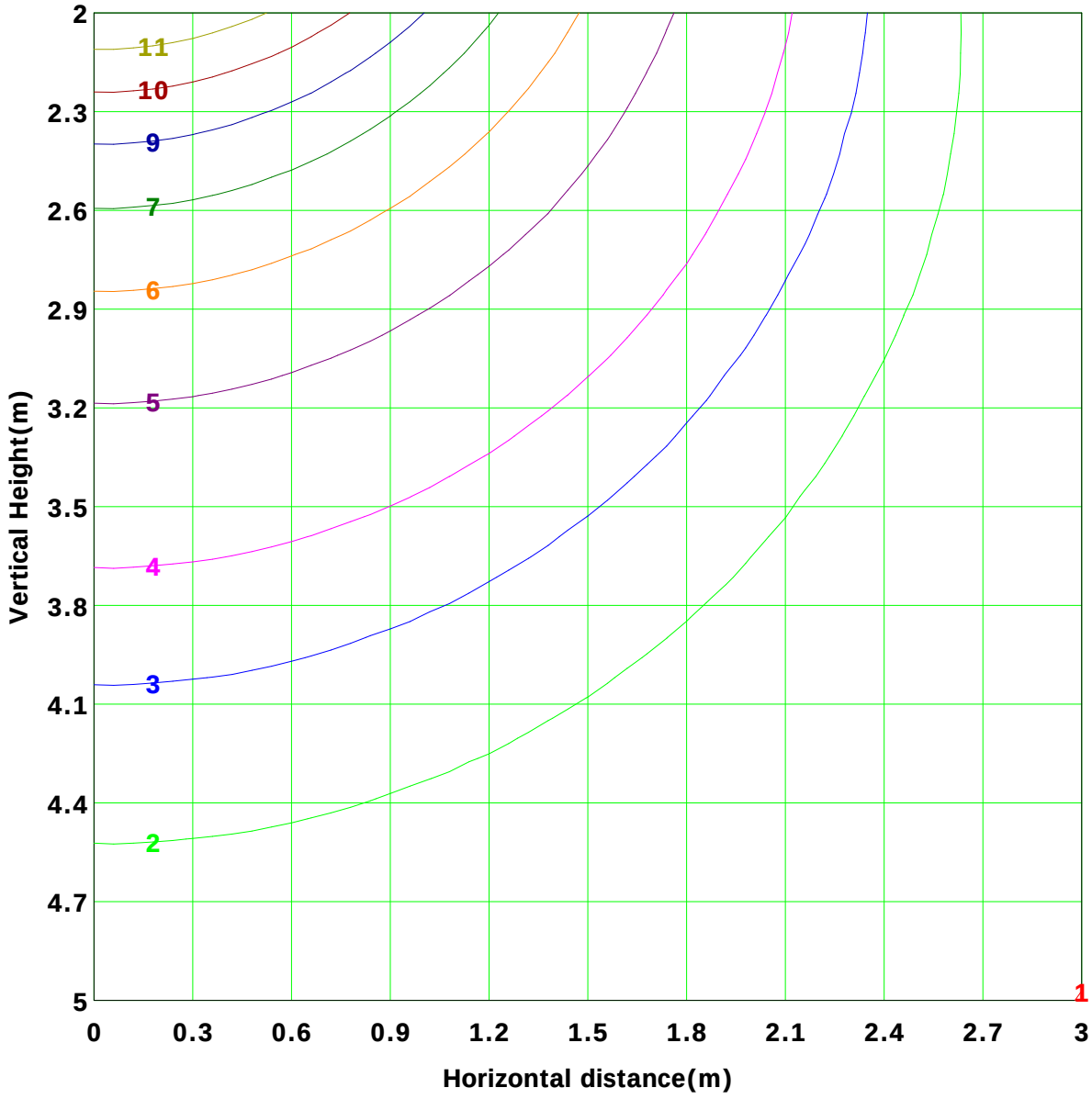
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	48.95	2.93/8.41	25.1	3.10
2.0	12.24	5.87/16.82	100.4	0.77
3.0	5.44	8.80/25.23	226.0	0.34
4.0	3.06	11.74/33.63	401.8	0.19
5.0	1.96	14.67/42.04	627.8	0.12
6.0	1.36	17.61/50.45	904.0	0.09
7.0	1.00	20.54/58.86	1230.5	0.06
8.0	0.76	23.47/67.27	1607.2	0.05
9.0	0.60	26.41/75.68	2034.1	0.04
10.0	0.49	29.34/84.08	2511.2	0.03

Beam Angle(B): H111.4 V153.2 Field Angle(F): H159.8 V301.6

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: 12.2 lx

(10%): 1.2 lx	(20%): 2.4 lx
(25%): 3.1 lx	(30%): 3.7 lx
(40%): 4.9 lx	(50%): 6.1 lx
(60%): 7.3 lx	(70%): 8.6 lx
(80%): 9.8 lx	(90%): 11.0 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

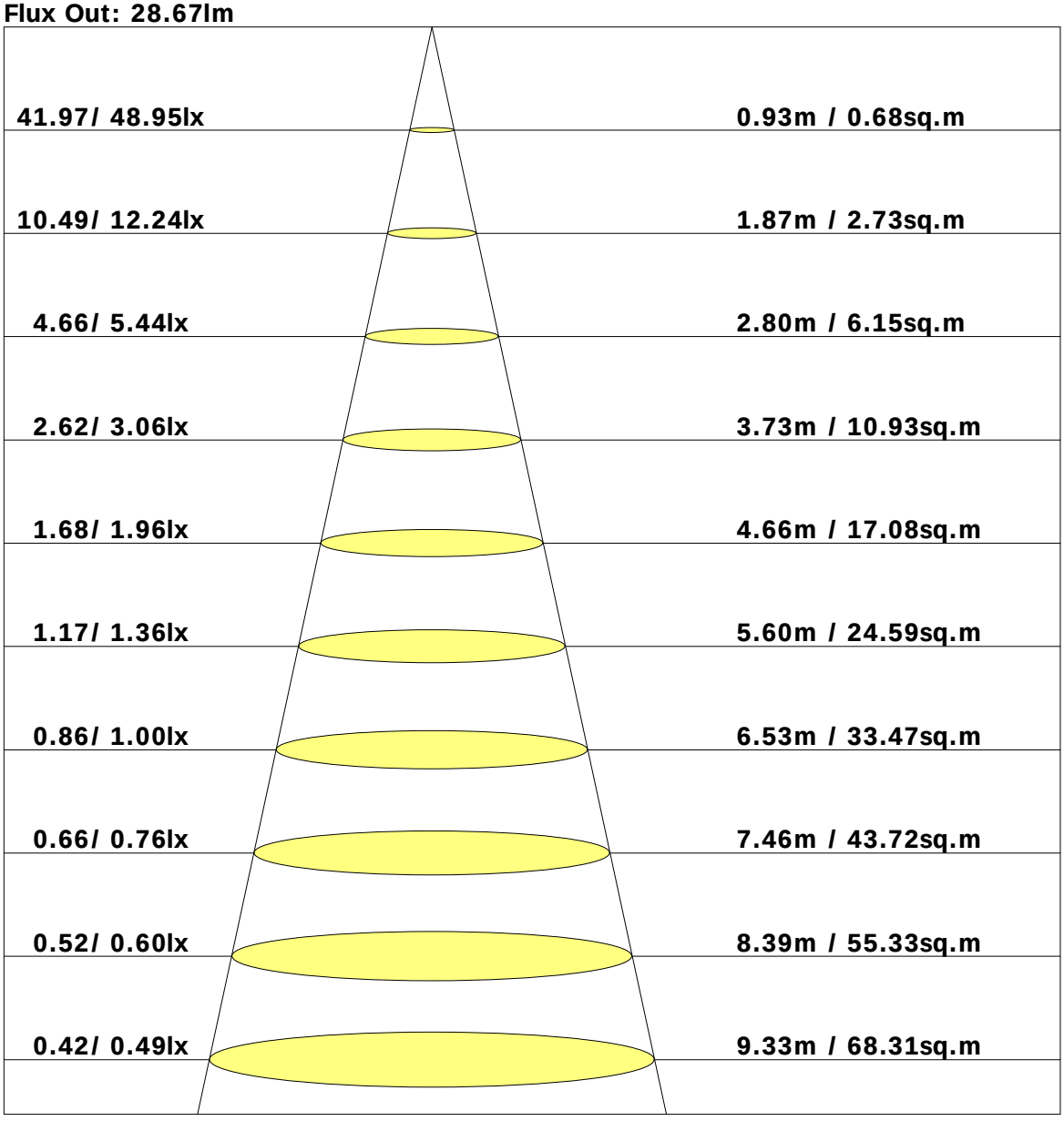
Horizontal plane	Vertical plane																									Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.0
-70	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	3.2
-60	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.2	6.4
-50	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.1	0.3	10.1
-40	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.1	0.4	14.1
-30	0.5	0.6	0.7	0.8	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	0.8	0.6	0.5	0.1	0.5	17.6
-20	0.5	0.7	0.9	1.0	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	0.9	0.7	0.6	0.1	0.6	20.2
-10	0.6	0.8	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.0	0.8	0.6	0.1	0.6	21.7
0	0.6	0.8	1.0	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.0	0.8	0.6	0.1	0.6	21.7
10	0.5	0.7	0.9	1.0	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	0.9	0.7	0.6	0.1	0.6	20.2
20	0.5	0.6	0.8	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.8	0.6	0.5	0.1	0.5	17.6
30	0.4	0.5	0.6	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.1	0.4	14.0
40	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.1	0.3	10.1
50	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.2	6.3
60	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	3.2
70	0.0	0.0	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	0.0	0.0	0.0	0.0	0.9
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	5.0	6.6	8.4	10.1	11.5	12.5	13.1	13.3	13.1	13.1	13.4	13.2	12.6	11.7	10.3	8.6	6.8	5.3		Flux(T)	
Flux(E)	5.0	6.6	8.4	10.1	11.5	12.5	13.1	13.3	13.1	13.1	13.3	13.2	12.6	11.6	10.3	8.6	6.8	5.2		188	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: 28.67lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	41.97/ 48.95lx		0.93m / 0.68sq.m
2.0m	10.49/ 12.24lx		1.87m / 2.73sq.m
3.0m	4.66/ 5.44lx		2.80m / 6.15sq.m
4.0m	2.62/ 3.06lx		3.73m / 10.93sq.m
5.0m	1.68/ 1.96lx		4.66m / 17.08sq.m
6.0m	1.17/ 1.36lx		5.60m / 24.59sq.m
7.0m	0.86/ 1.00lx		6.53m / 33.47sq.m
8.0m	0.66/ 0.76lx		7.46m / 43.72sq.m
9.0m	0.52/ 0.60lx		8.39m / 55.33sq.m
10.0m	0.42/ 0.49lx		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	18.0	19.4	18.7	20.0	20.8	18.1	19.4	18.7	20.1	20.8
3H	19.7	21.0	20.4	21.6	22.4	20.1	21.4	20.8	22.0	22.8
4H	20.3	21.5	21.0	22.2	22.9	21.0	22.2	21.7	22.8	23.6
6H	20.7	21.8	21.4	22.5	23.3	21.8	22.9	22.5	23.6	24.4
8H	20.8	21.9	21.5	22.6	23.4	22.2	23.2	22.9	23.9	24.7
12H	20.9	21.9	21.6	22.6	23.4	22.6	23.6	23.2	24.2	25.1
X=4H Y=2H	18.6	19.8	19.3	20.4	21.2	18.7	19.8	19.3	20.5	21.3
3H	20.5	21.5	21.2	22.2	23.0	21.0	22.0	21.6	22.7	23.5
4H	21.2	22.2	21.9	22.9	23.7	22.0	22.9	22.7	23.6	24.4
6H	21.8	22.6	22.5	23.3	24.1	23.0	23.8	23.7	24.5	25.4
8H	21.9	22.7	22.6	23.4	24.3	23.4	24.2	24.1	24.9	25.8
12H	22.0	22.7	22.7	23.5	24.3	23.9	24.6	24.6	25.3	26.2
X=8H Y=4H	21.6	22.4	22.3	23.1	24.0	22.3	23.1	23.0	23.8	24.6
6H	22.3	23.0	23.0	23.7	24.6	23.5	24.1	24.2	24.9	25.7
8H	22.6	23.1	23.3	23.9	24.8	24.1	24.6	24.8	25.4	26.3
12H	22.7	23.3	23.5	24.0	24.9	24.7	25.2	25.4	25.9	26.9
X=12H Y=4H	21.7	22.4	22.4	23.1	24.0	22.3	23.0	23.1	23.8	24.6
6H	22.5	23.0	23.2	23.8	24.7	23.5	24.1	24.3	24.9	25.8
8H	22.8	23.3	23.5	24.1	25.0	24.2	24.7	25.0	25.5	26.4

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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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	0.50	0.58	0.65	0.70	0.77	0.82	0.86	0.91	0.94
	0.30		0.42	0.50	0.57	0.62	0.70	0.76	0.80	0.86	0.90
	0.20		0.36	0.44	0.51	0.57	0.65	0.71	0.75	0.81	0.86
0.50	0.50	0.20	0.46	0.54	0.60	0.65	0.71	0.76	0.79	0.83	0.86
	0.30		0.40	0.47	0.54	0.58	0.66	0.70	0.74	0.79	0.83
	0.20		0.35	0.42	0.48	0.53	0.61	0.66	0.70	0.76	0.80
0.30	0.50	0.20	0.43	0.50	0.56	0.60	0.66	0.70	0.72	0.76	0.79
	0.30		0.37	0.44	0.50	0.55	0.61	0.65	0.69	0.73	0.76
	0.20		0.33	0.39	0.46	0.50	0.57	0.62	0.65	0.70	0.74
0.00	0.00	0.00	0.29	0.35	0.41	0.45	0.50	0.55	0.58	0.62	0.65

Rating:5W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	1.00	0.86	0.74	0.66	0.54	0.45	0.39	0.31	0.26
	0.30		0.83	0.74	0.65	0.58	0.48	0.42	0.37	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	0.80	0.68	0.61	0.50	0.44	0.37	0.29	0.24
	0.30		0.78	0.69	0.60	0.54	0.45	0.39	0.34	0.28	0.23
	0.20		0.68	0.61	0.54	0.49	0.42	0.36	0.32	0.26	0.22
0.30	0.50	0.20	0.86	0.74	0.63	0.56	0.46	0.39	0.34	0.27	0.22
	0.30		0.73	0.65	0.57	0.51	0.42	0.36	0.32	0.26	0.22
	0.20		0.64	0.58	0.51	0.46	0.39	0.34	0.30	0.25	0.21
0.00	0.00	0.00	0.52	0.47	0.41	0.37	0.31	0.27	0.24	0.19	0.16

Rating:5W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

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

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	0.37	0.38	0.39	0.39	0.40	0.40
	0.30		0.28	0.29	0.30	0.31	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	0.33	0.35	0.35	0.36	0.37	0.37	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	0.32	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.33	0.34
	0.20		0.22	0.24	0.25	0.26	0.27	0.29	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: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	49.2	0.0	0.0	0.02	0.02
1.0-2.0	49.3	0.1	0.2	0.06	0.08
2.0-3.0	49.3	0.2	0.4	0.10	0.18
3.0-4.0	49.4	0.3	0.8	0.14	0.33
4.0-5.0	49.4	0.4	1.2	0.18	0.51
5.0-6.0	49.4	0.5	1.7	0.22	0.73
6.0-7.0	49.4	0.6	2.3	0.26	1.00
7.0-8.0	49.4	0.7	3.0	0.30	1.30
8.0-9.0	49.4	0.8	3.8	0.35	1.65
9.0-10.0	49.4	0.9	4.7	0.39	2.03
10.0-11.0	49.4	1.0	5.7	0.43	2.46
11.0-12.0	49.4	1.1	6.8	0.46	2.92
12.0-13.0	49.3	1.2	8.0	0.50	3.43
13.0-14.0	49.2	1.3	9.2	0.54	3.97
14.0-15.0	49.2	1.3	10.6	0.58	4.55
15.0-16.0	49.1	1.4	12.0	0.62	5.17
16.0-17.0	49.0	1.5	13.5	0.66	5.83
17.0-18.0	48.8	1.6	15.1	0.69	6.52
18.0-19.0	48.7	1.7	16.8	0.73	7.25
19.0-20.0	48.5	1.8	18.6	0.77	8.02
20.0-21.0	48.4	1.9	20.5	0.80	8.82
21.0-22.0	48.2	1.9	22.4	0.83	9.65
22.0-23.0	48.0	2.0	24.4	0.87	10.52
23.0-24.0	47.8	2.1	26.5	0.90	11.42
24.0-25.0	47.5	2.2	28.7	0.93	12.35
25.0-26.0	47.3	2.2	30.9	0.96	13.31
26.0-27.0	47.0	2.3	33.2	0.99	14.30
27.0-28.0	46.7	2.4	35.6	1.02	15.32
28.0-29.0	46.4	2.4	38.0	1.05	16.37
29.0-30.0	46.1	2.5	40.5	1.07	17.44
30.0-31.0	45.8	2.5	43.0	1.10	18.54
31.0-32.0	45.5	2.6	45.6	1.12	19.66
32.0-33.0	45.1	2.7	48.3	1.14	20.81
33.0-34.0	44.7	2.7	51.0	1.17	21.97
34.0-35.0	44.4	2.8	53.8	1.19	23.16
35.0-36.0	43.9	2.8	56.6	1.21	24.37

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	43.5	2.8	59.4	1.22	25.59
37.0-38.0	43.1	2.9	62.3	1.24	26.83
38.0-39.0	42.7	2.9	65.2	1.25	28.08
39.0-40.0	42.2	2.9	68.1	1.27	29.35
40.0-41.0	41.8	3.0	71.1	1.28	30.63
41.0-42.0	41.3	3.0	74.1	1.29	31.93
42.0-43.0	40.8	3.0	77.1	1.30	33.23
43.0-44.0	40.3	3.0	80.2	1.31	34.54
44.0-45.0	39.8	3.1	83.2	1.32	35.85
45.0-46.0	39.2	3.1	86.3	1.32	37.18
46.0-47.0	38.7	3.1	89.4	1.33	38.50
47.0-48.0	38.1	3.1	92.5	1.33	39.83
48.0-49.0	37.6	3.1	95.5	1.33	41.16
49.0-50.0	37.0	3.1	98.6	1.33	42.49
50.0-51.0	36.4	3.1	101.7	1.33	43.81
51.0-52.0	35.8	3.1	104.8	1.32	45.14
52.0-53.0	35.2	3.1	107.8	1.32	46.45
53.0-54.0	34.5	3.0	110.9	1.31	47.76
54.0-55.0	33.9	3.0	113.9	1.30	49.07
55.0-56.0	33.2	3.0	116.9	1.29	50.36
56.0-57.0	32.6	3.0	119.9	1.28	51.64
57.0-58.0	31.9	2.9	122.8	1.27	52.91
58.0-59.0	31.2	2.9	125.7	1.26	54.17
59.0-60.0	30.5	2.9	128.6	1.24	55.41
60.0-61.0	29.8	2.8	131.5	1.23	56.64
61.0-62.0	29.1	2.8	134.3	1.21	57.85
62.0-63.0	28.4	2.8	137.0	1.19	59.04
63.0-64.0	27.6	2.7	139.8	1.17	60.21
64.0-65.0	26.9	2.7	142.4	1.15	61.35
65.0-66.0	26.2	2.6	145.0	1.13	62.48
66.0-67.0	25.5	2.6	147.6	1.10	63.58
67.0-68.0	24.7	2.5	150.1	1.08	64.66
68.0-69.0	23.9	2.4	152.5	1.05	65.71
69.0-70.0	23.2	2.4	154.9	1.02	66.74
70.0-71.0	22.4	2.3	157.2	1.00	67.74
71.0-72.0	21.7	2.3	159.5	0.97	68.71

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	20.9	2.2	161.7	0.94	69.65
73.0-74.0	20.1	2.1	163.8	0.91	70.56
74.0-75.0	19.4	2.0	165.8	0.88	71.44
75.0-76.0	18.7	2.0	167.8	0.85	72.30
76.0-77.0	17.9	1.9	169.7	0.82	73.12
77.0-78.0	17.2	1.8	171.6	0.79	73.91
78.0-79.0	16.5	1.8	173.3	0.76	74.68
79.0-80.0	15.8	1.7	175.0	0.73	75.41
80.0-81.0	15.1	1.6	176.7	0.70	76.11
81.0-82.0	14.5	1.6	178.2	0.68	76.79
82.0-83.0	13.9	1.5	179.7	0.65	77.44
83.0-84.0	13.3	1.4	181.2	0.62	78.06
84.0-85.0	12.7	1.4	182.6	0.60	78.66
85.0-86.0	12.1	1.3	183.9	0.57	79.23
86.0-87.0	11.6	1.3	185.2	0.55	79.78
87.0-88.0	11.2	1.2	186.4	0.53	80.31
88.0-89.0	10.8	1.2	187.6	0.51	80.82
89.0-90.0	10.6	1.2	188.8	0.50	81.32
90.0-91.0	10.5	1.1	189.9	0.49	81.81
91.0-92.0	10.4	1.1	191.0	0.49	82.30
92.0-93.0	10.3	1.1	192.2	0.49	82.79
93.0-94.0	10.3	1.1	193.3	0.48	83.27
94.0-95.0	10.2	1.1	194.4	0.48	83.75
95.0-96.0	10.1	1.1	195.5	0.48	84.23
96.0-97.0	10.1	1.1	196.6	0.47	84.70
97.0-98.0	10.0	1.1	197.7	0.47	85.17
98.0-99.0	9.9	1.1	198.8	0.46	85.64
99.0-100.0	9.9	1.1	199.8	0.46	86.10
100.0-101.0	9.8	1.1	200.9	0.45	86.55
101.0-102.0	9.7	1.0	201.9	0.45	87.00
102.0-103.0	9.6	1.0	203.0	0.44	87.44
103.0-104.0	9.6	1.0	204.0	0.44	87.88
104.0-105.0	9.5	1.0	205.0	0.43	88.32
105.0-106.0	9.4	1.0	206.0	0.43	88.74
106.0-107.0	9.3	1.0	207.0	0.42	89.16
107.0-108.0	9.2	1.0	207.9	0.41	89.58

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	9.1	0.9	208.9	0.41	89.99
109.0-110.0	9.0	0.9	209.8	0.40	90.39
110.0-111.0	8.9	0.9	210.7	0.39	90.78
111.0-112.0	8.8	0.9	211.6	0.39	91.17
112.0-113.0	8.7	0.9	212.5	0.38	91.55
113.0-114.0	8.6	0.9	213.4	0.37	91.92
114.0-115.0	8.5	0.8	214.2	0.36	92.29
115.0-116.0	8.4	0.8	215.0	0.36	92.64
116.0-117.0	8.2	0.8	215.9	0.35	92.99
117.0-118.0	8.1	0.8	216.6	0.34	93.33
118.0-119.0	8.0	0.8	217.4	0.33	93.67
119.0-120.0	7.9	0.7	218.2	0.32	93.99
120.0-121.0	7.7	0.7	218.9	0.31	94.30
121.0-122.0	7.6	0.7	219.6	0.31	94.61
122.0-123.0	7.5	0.7	220.3	0.30	94.91
123.0-124.0	7.3	0.7	221.0	0.29	95.19
124.0-125.0	7.2	0.6	221.6	0.28	95.47
125.0-126.0	7.0	0.6	222.2	0.27	95.74
126.0-127.0	6.9	0.6	222.8	0.26	96.00
127.0-128.0	6.7	0.6	223.4	0.25	96.25
128.0-129.0	6.5	0.6	224.0	0.24	96.50
129.0-130.0	6.4	0.5	224.5	0.23	96.73
130.0-131.0	6.2	0.5	225.0	0.22	96.95
131.0-132.0	6.0	0.5	225.5	0.21	97.17
132.0-133.0	5.9	0.5	226.0	0.20	97.37
133.0-134.0	5.7	0.5	226.5	0.20	97.57
134.0-135.0	5.5	0.4	226.9	0.19	97.75
135.0-136.0	5.4	0.4	227.3	0.18	97.93
136.0-137.0	5.2	0.4	227.7	0.17	98.10
137.0-138.0	5.0	0.4	228.1	0.16	98.26
138.0-139.0	4.8	0.4	228.4	0.15	98.41
139.0-140.0	4.7	0.3	228.8	0.14	98.55
140.0-141.0	4.5	0.3	229.1	0.13	98.69
141.0-142.0	4.3	0.3	229.4	0.13	98.81
142.0-143.0	4.1	0.3	229.6	0.12	98.93
143.0-144.0	3.8	0.2	229.9	0.11	99.04

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	3.6	0.2	230.1	0.10	99.14
145.0-146.0	3.5	0.2	230.3	0.09	99.23
146.0-147.0	3.2	0.2	230.5	0.08	99.32
147.0-148.0	3.0	0.2	230.7	0.08	99.39
148.0-149.0	2.9	0.2	230.9	0.07	99.46
149.0-150.0	2.7	0.1	231.0	0.06	99.53
150.0-151.0	2.5	0.1	231.2	0.06	99.59
151.0-152.0	2.4	0.1	231.3	0.05	99.64
152.0-153.0	2.2	0.1	231.4	0.05	99.69
153.0-154.0	2.0	0.1	231.5	0.04	99.73
154.0-155.0	1.9	0.1	231.6	0.04	99.77
155.0-156.0	1.7	0.1	231.7	0.03	99.80
156.0-157.0	1.6	0.1	231.7	0.03	99.83
157.0-158.0	1.4	0.1	231.8	0.03	99.86
158.0-159.0	1.3	0.1	231.8	0.02	99.88
159.0-160.0	1.2	0.0	231.9	0.02	99.90
160.0-161.0	1.0	0.0	231.9	0.02	99.91
161.0-162.0	0.9	0.0	231.9	0.01	99.93
162.0-163.0	0.8	0.0	232.0	0.01	99.94
163.0-164.0	0.7	0.0	232.0	0.01	99.95
164.0-165.0	0.6	0.0	232.0	0.01	99.95
165.0-166.0	0.5	0.0	232.0	0.01	99.96
166.0-167.0	0.5	0.0	232.0	0.01	99.97
167.0-168.0	0.5	0.0	232.1	0.00	99.97
168.0-169.0	0.5	0.0	232.1	0.00	99.98
169.0-170.0	0.5	0.0	232.1	0.00	99.98
170.0-171.0	0.5	0.0	232.1	0.00	99.98
171.0-172.0	0.5	0.0	232.1	0.00	99.99
172.0-173.0	0.5	0.0	232.1	0.00	99.99
173.0-174.0	0.5	0.0	232.1	0.00	99.99
174.0-175.0	0.5	0.0	232.1	0.00	100.00
175.0-176.0	0.5	0.0	232.1	0.00	100.00
176.0-177.0	0.5	0.0	232.1	0.00	100.00
177.0-178.0	0.5	0.0	232.1	0.00	100.00
178.0-179.0	0.5	0.0	232.1	0.00	100.00
179.0-180.0	0.5	0.0	232.1	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: