ACOLYTE
https://www.genledbrands.com/
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Report No.: **Test Time: 2021/2/4 15:50**

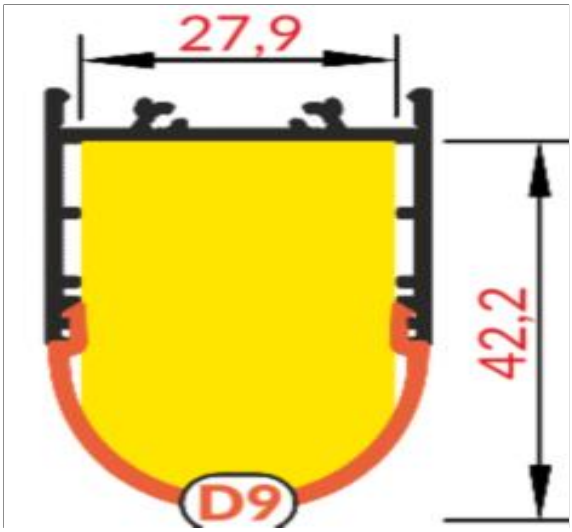
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AS30
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 2 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 33.4
Luminous Height (mm): 50
Voltage: 24.0 V
Current: 0.436 A
Power: 10.47 W
Power Factor: 1.000

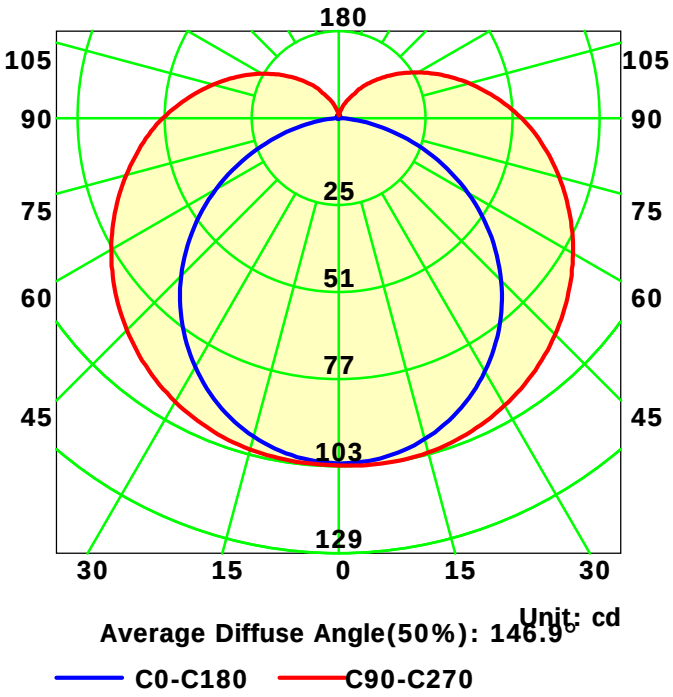
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 496.8 lm
Measurement Flux: 496.8 lm
Efficiency: 100%
Downward Ratio: 82%
Upward Ratio: 18%
Horizontal Diffuse Angle(10%,50%): H158.5,H110.4
Vertical Diffuse Angle(10%,50%): V291,V183.5
Luminaire Efficacy Rating (LER): 47
Central Intensity: 102.94 cd
Max. Intensity: 103.8 cd
Pos of Max. Intensity: H150 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



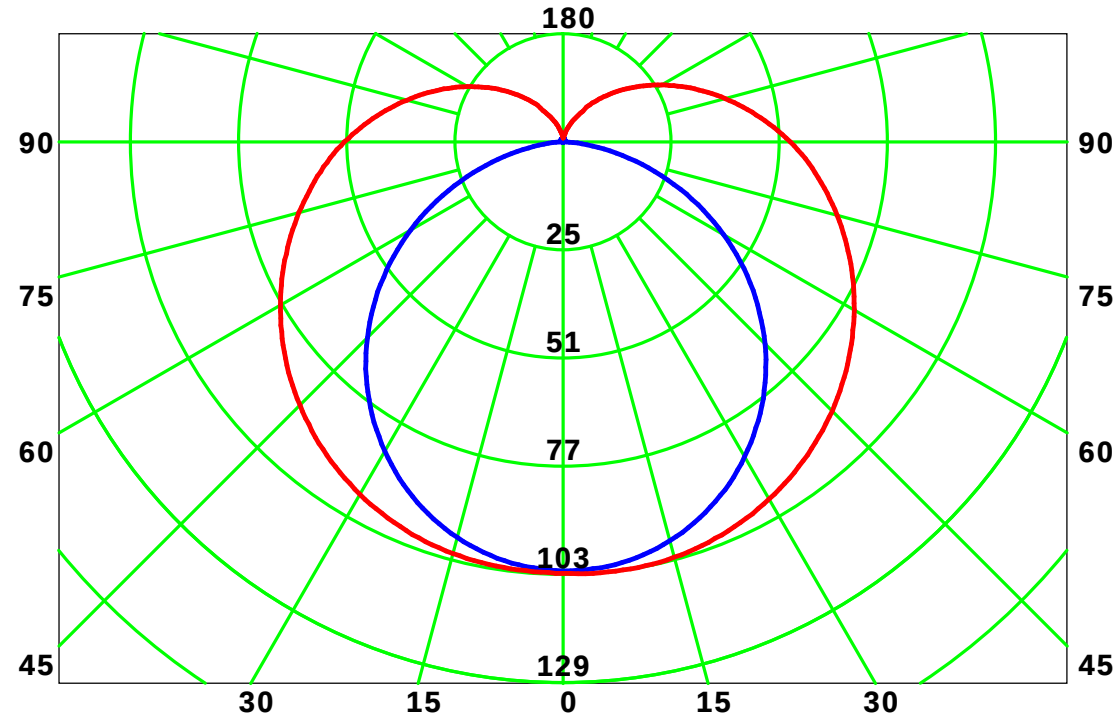
Unit: cd

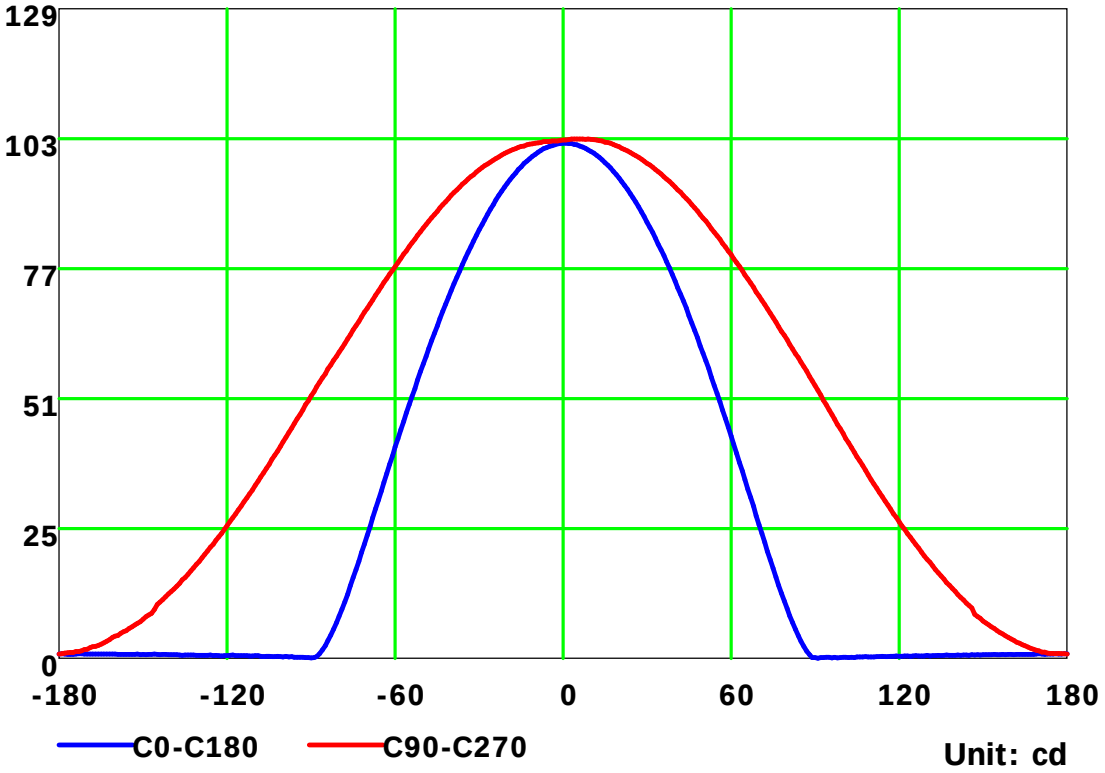
Average Diffuse Angle(50%): 146.9°

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

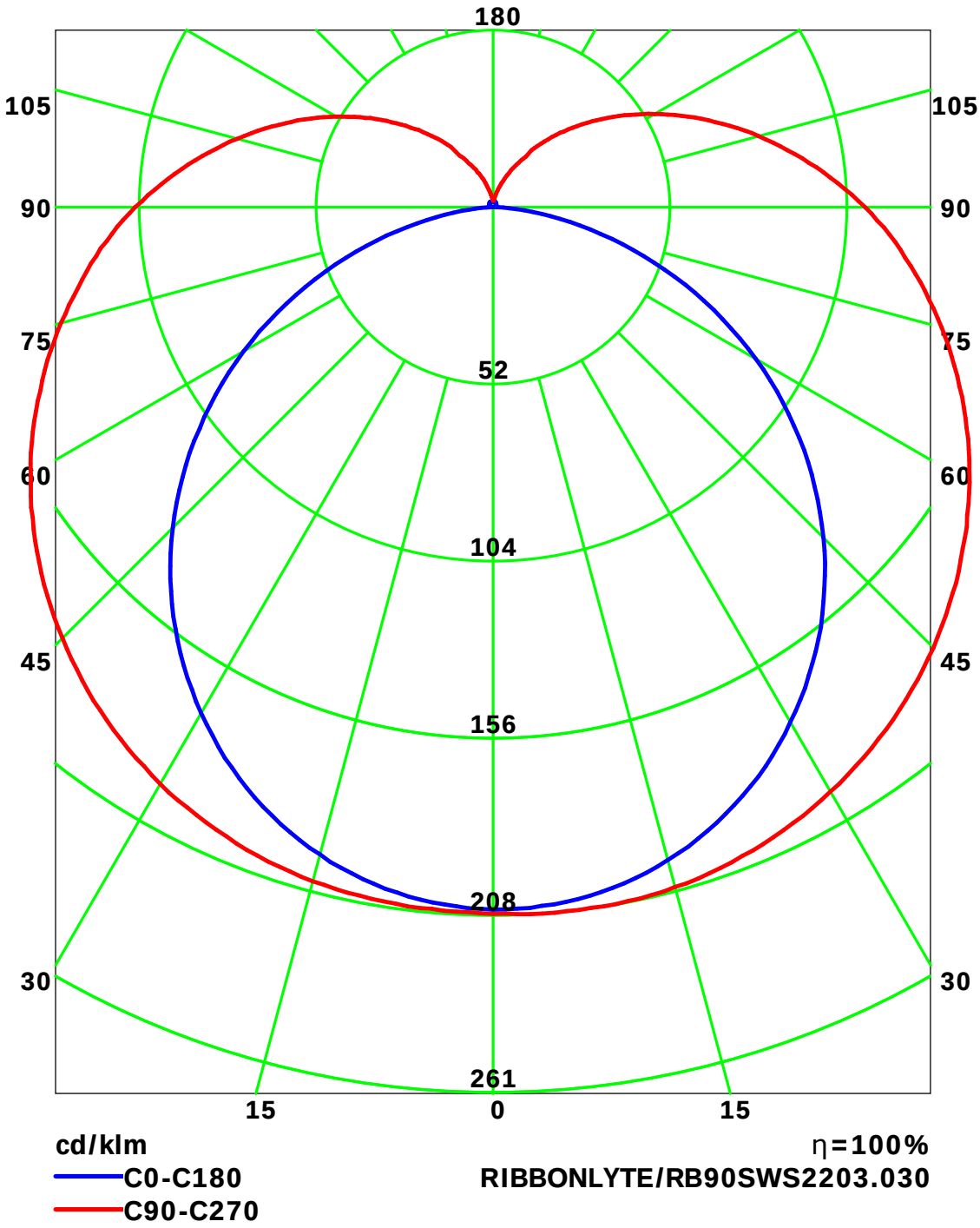




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

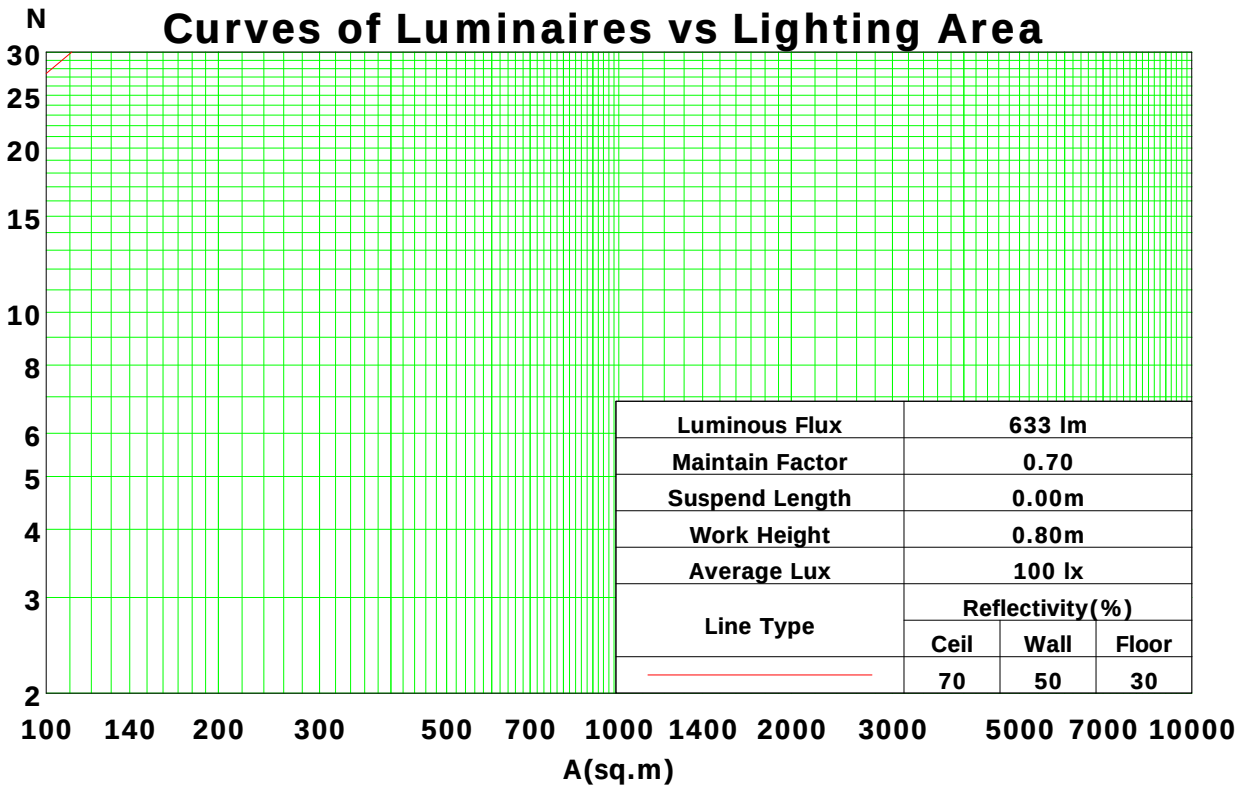
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	93	93	93	85	85	85	82
1	101	95	90	85	97	91	86	82	83	79	76	76	73	70	70	67	65	61
2	91	81	73	67	86	78	71	65	71	65	60	65	60	56	59	56	52	49
3	82	71	61	54	78	67	59	53	62	55	49	56	51	46	52	47	43	40
4	75	62	52	45	71	59	51	44	54	47	41	50	44	39	46	40	36	33
5	69	55	45	38	65	53	44	37	48	41	35	44	38	33	41	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	34	29	37	31	27	24
7	58	44	35	29	55	43	34	28	39	32	27	36	30	25	33	28	24	21
8	54	40	31	25	51	39	30	25	36	29	23	33	27	22	31	25	21	19
9	50	37	28	23	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	26	20	45	33	25	20	30	24	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.42
Spacing Criteria (Diagonal): 1.49

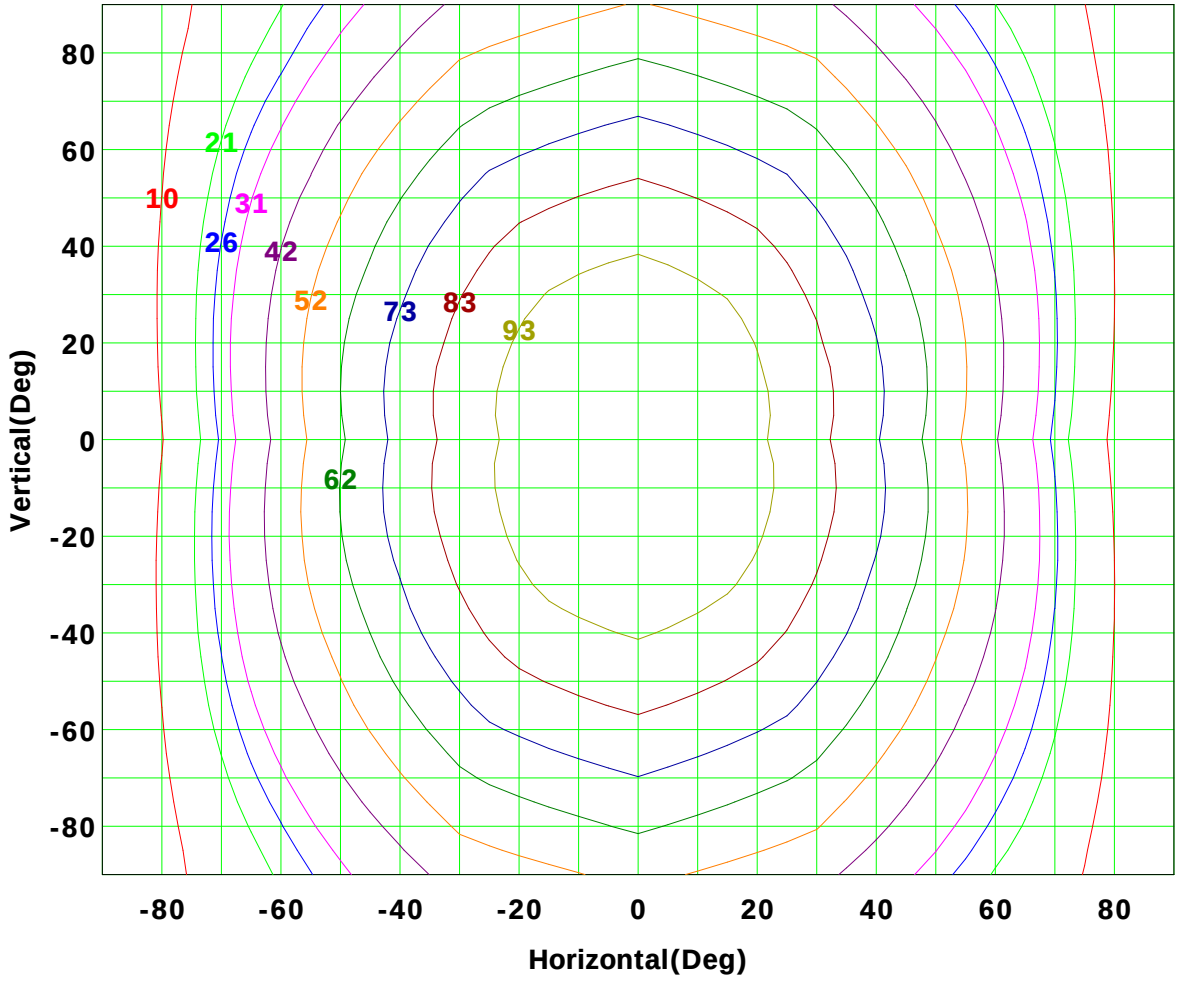
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



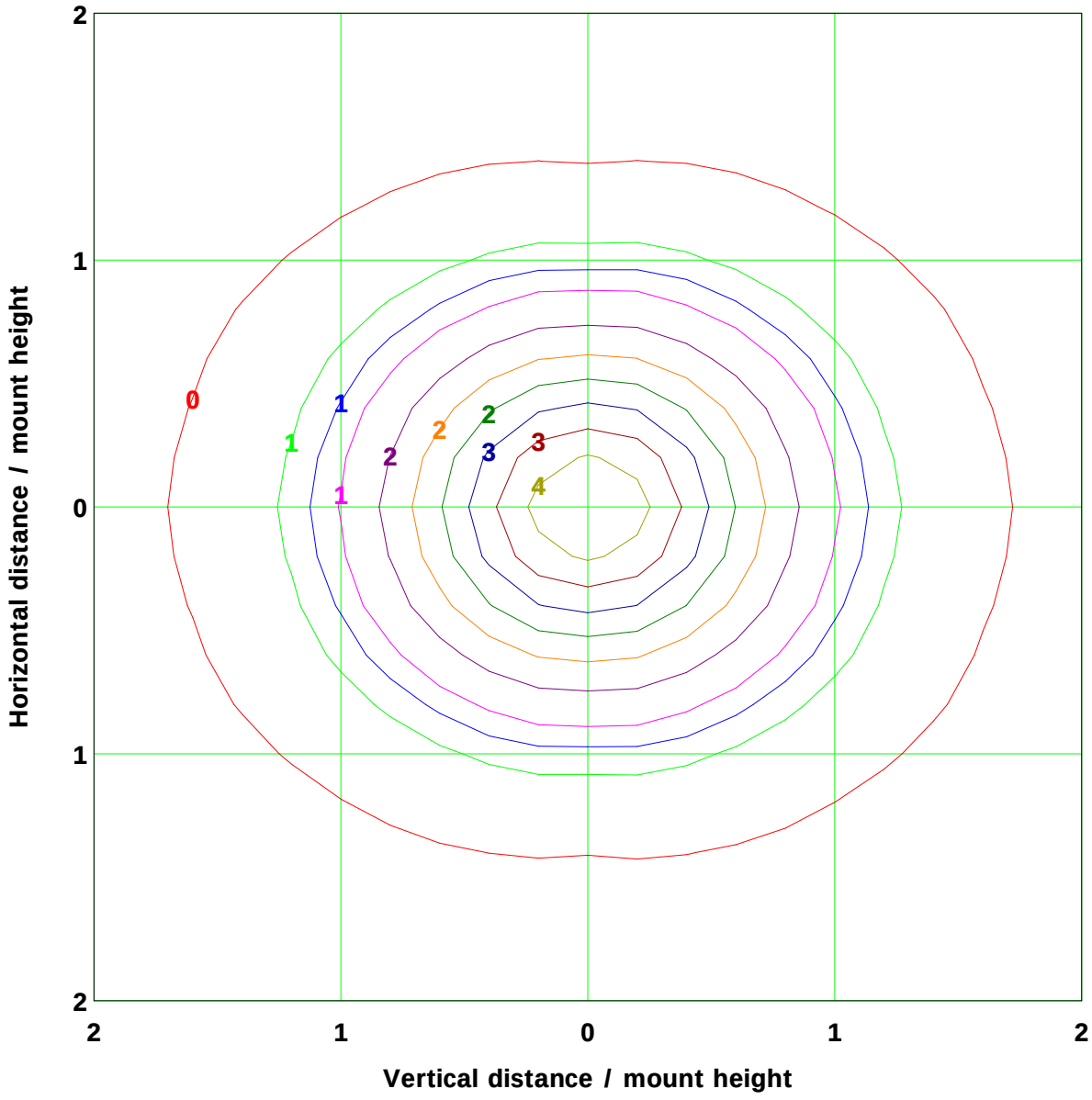
Imax (100%): 104 cd

(10%):	10 cd	(20%):	21 cd
(25%):	26 cd	(30%):	31 cd
(40%):	42 cd	(50%):	52 cd
(60%):	62 cd	(70%):	73 cd
(80%):	83 cd	(90%):	93 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%): 4.2 lx

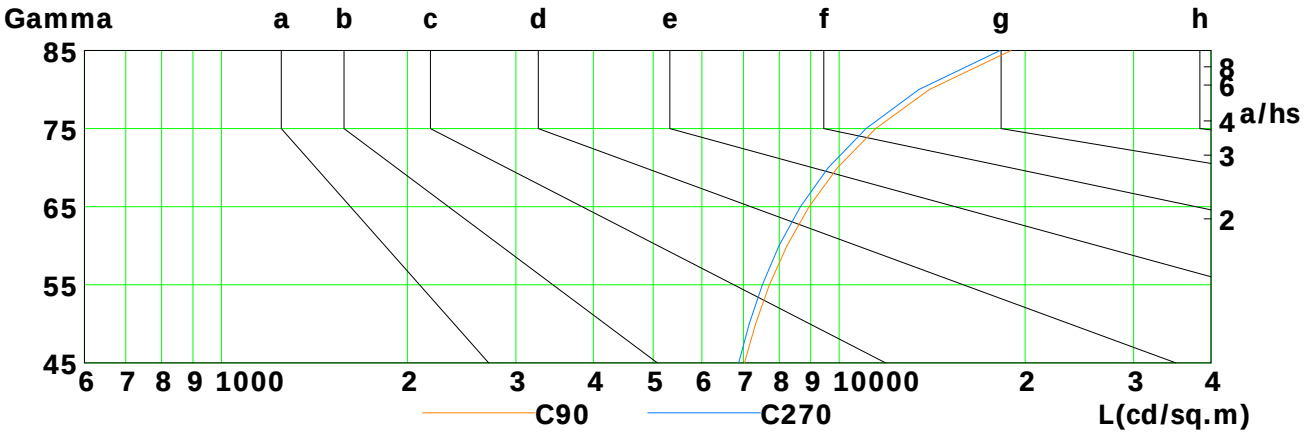
(10%): 0.4 lx	(20%): 0.8 lx
(25%): 1.0 lx	(30%): 1.2 lx
(40%): 1.7 lx	(50%): 2.1 lx
(60%): 2.5 lx	(70%): 2.9 lx
(80%): 3.3 lx	(90%): 3.7 lx

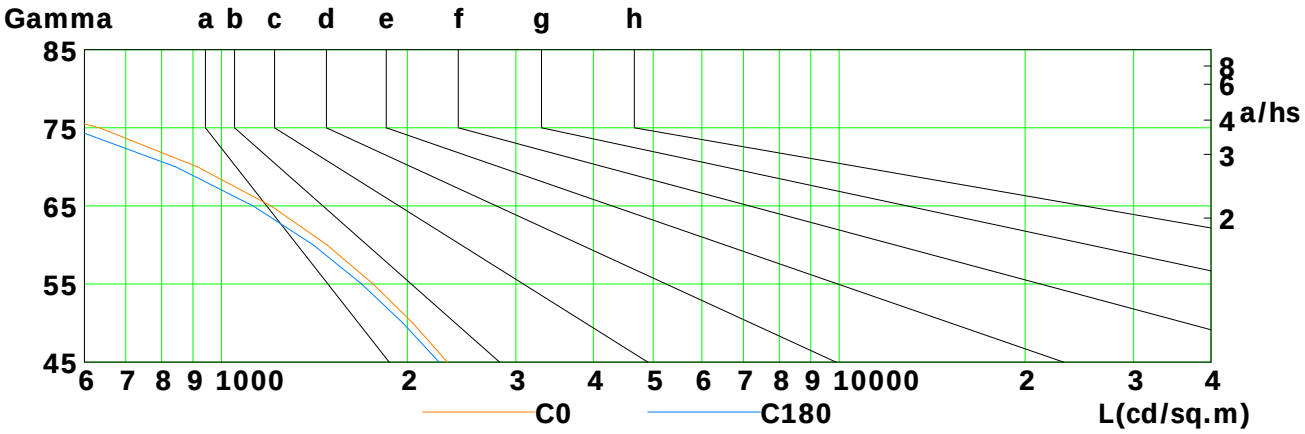
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



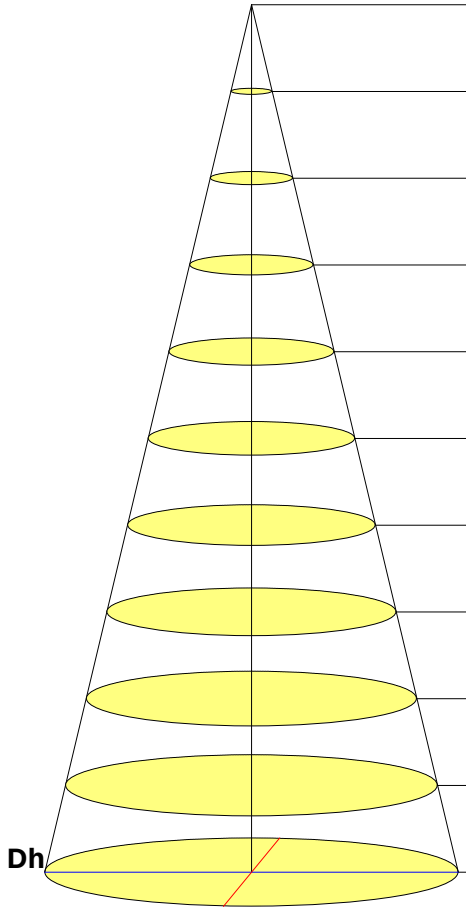


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2323	2041	1762	1482	1203	915	635	363	132
C90	7031	7325	7716	8237	8939	9951	11469	14012	18983
C180	2253	1968	1687	1408	1126	844	569	308	99
C270	6877	7158	7517	7991	8665	9610	11061	13469	18229

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



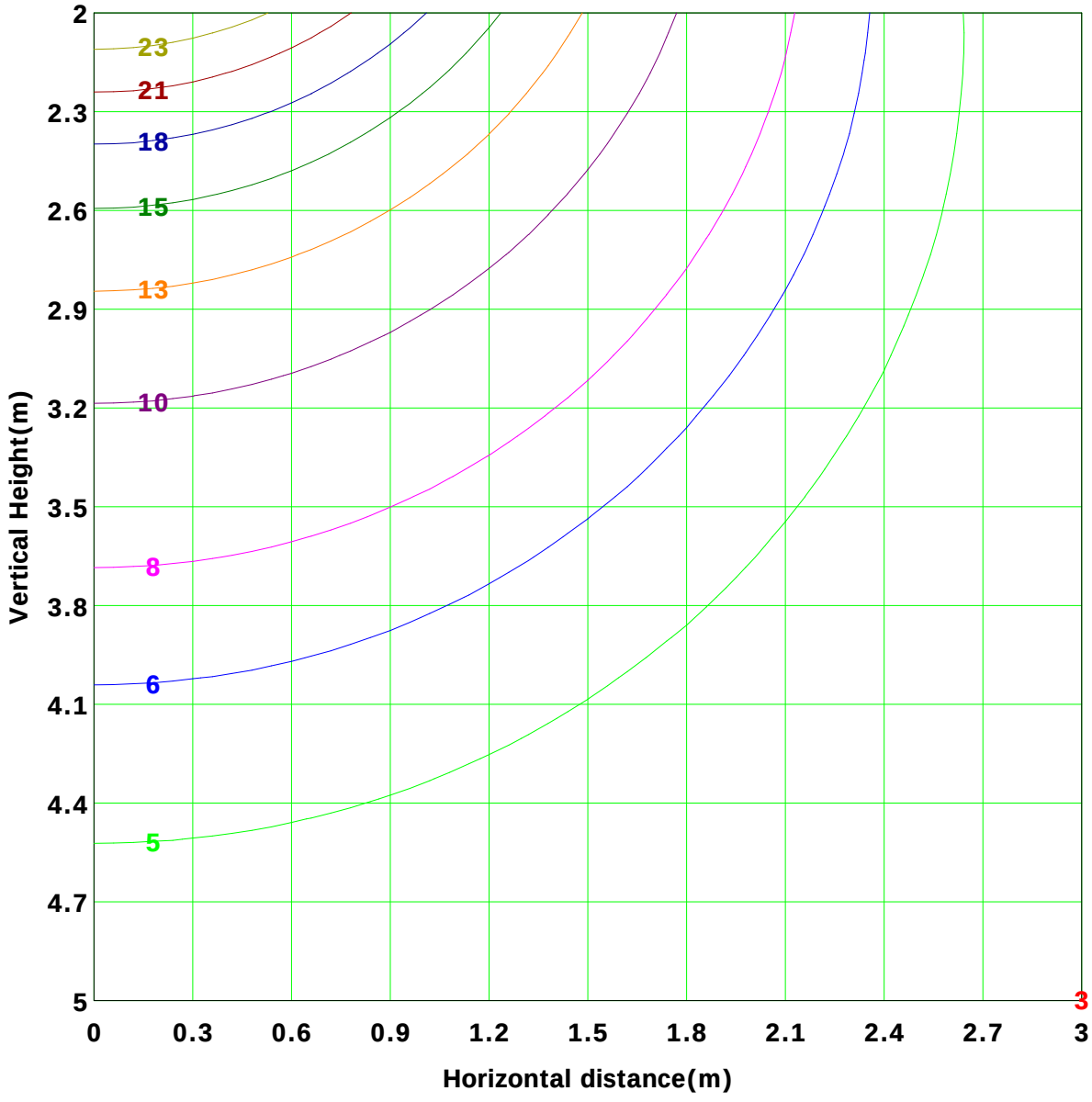
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	102.94	2.88/NA	NA	NA
2.0	25.74	5.76/NA	NA	NA
3.0	11.44	8.64/NA	NA	NA
4.0	6.43	11.52/NA	NA	NA
5.0	4.12	14.40/NA	NA	NA
6.0	2.86	17.28/NA	NA	NA
7.0	2.10	20.16/NA	NA	NA
8.0	1.61	23.04/NA	NA	NA
9.0	1.27	25.92/NA	NA	NA
10.0	1.03	28.79/NA	NA	NA

Beam Angle(B): H110.4 V183.5 Field Angle(F): H158.5 V291.0

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:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 25.7 lx

(10%): 2.6 lx	(20%): 5.1 lx
(25%): 6.4 lx	(30%): 7.7 lx
(40%): 10.3 lx	(50%): 12.9 lx
(60%): 15.4 lx	(70%): 18.0 lx
(80%): 20.6 lx	(90%): 23.2 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:

Area Flux Table

Unit: lm

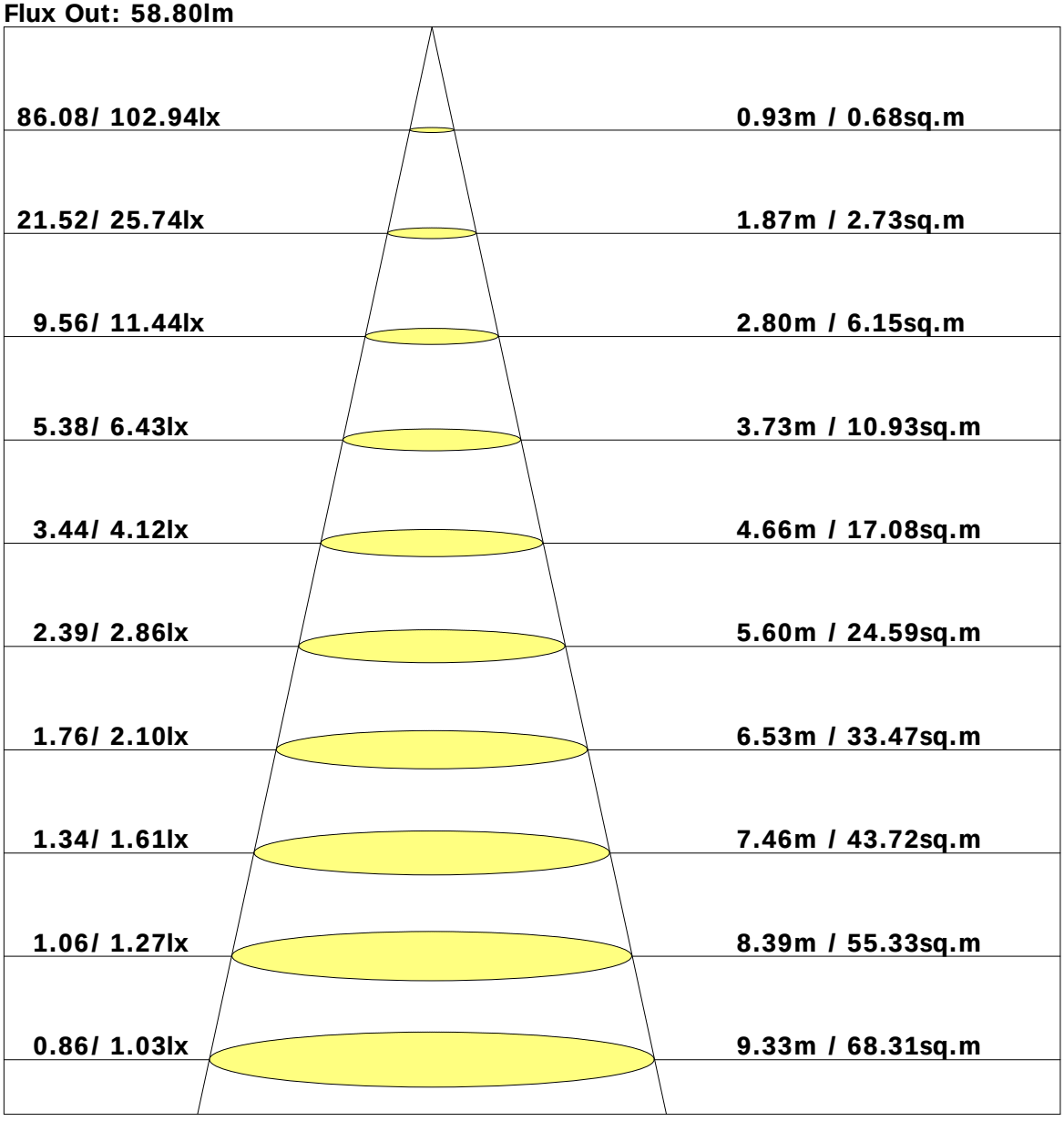
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
-80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	2.2
-70	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.2	6.9
-60	0.5	0.6	0.6	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.6	0.5	0.0	0.5	13.6
-50	0.8	0.9	1.0	1.0	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.0	0.8	21.5
-40	1.1	1.3	1.4	1.5	1.6	1.8	1.9	1.9	2.0	2.0	2.0	2.0	1.8	1.7	1.6	1.4	1.3	1.1	0.0	1.1	29.9
-30	1.4	1.6	1.8	1.8	2.0	2.2	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.2	2.0	1.8	1.6	1.4	0.0	1.4	37.5
-20	1.5	1.8	2.0	2.1	2.3	2.5	2.7	2.8	2.9	2.9	2.9	2.8	2.7	2.5	2.3	2.1	1.8	1.6	0.0	1.6	43.0
-10	1.7	1.9	2.2	2.3	2.5	2.7	2.9	3.0	3.1	3.1	3.1	3.0	2.8	2.7	2.5	2.3	2.0	1.7	0.0	1.7	46.3
0	1.7	1.9	2.2	2.3	2.5	2.7	2.9	3.0	3.1	3.1	3.1	3.0	2.9	2.7	2.5	2.3	2.0	1.7	0.0	1.7	46.4
10	1.5	1.8	2.0	2.1	2.3	2.5	2.7	2.8	2.9	2.9	2.9	2.8	2.7	2.5	2.3	2.1	1.9	1.6	0.0	1.6	43.3
20	1.4	1.6	1.8	1.9	2.0	2.2	2.4	2.5	2.5	2.6	2.5	2.4	2.3	2.2	2.0	1.9	1.6	1.4	0.0	1.4	37.9
30	1.1	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.0	2.1	2.0	2.0	1.9	1.7	1.6	1.5	1.3	1.1	0.0	1.1	30.4
40	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3	1.2	1.1	0.9	0.8	0.0	0.8	22.0
50	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.5	0.0	0.5	13.9
60	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.0	0.3	7.2
70	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	2.4
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	14.4	16.8	19.2	21.4	23.4	25.1	26.3	27.0	27.2	27.2	27.2	26.6	25.4	23.9	21.9	19.7	17.4	14.9	405		
Flux(T)	14.4	16.7	19.1	21.4	23.4	25.0	26.3	27.0	27.1	27.2	27.2	26.5	25.4	23.8	21.9	19.7	17.3	14.9		404	
Flux(E)	14.4	16.7	19.1	21.4	23.4	25.0	26.3	27.0	27.1	27.2	27.2	26.5	25.4	23.8	21.9	19.7	17.3	14.9			404

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: 58.80lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	86.08/ 102.94lx		0.93m / 0.68sq.m
2.0m	21.52/ 25.74lx		1.87m / 2.73sq.m
3.0m	9.56/ 11.44lx		2.80m / 6.15sq.m
4.0m	5.38/ 6.43lx		3.73m / 10.93sq.m
5.0m	3.44/ 4.12lx		4.66m / 17.08sq.m
6.0m	2.39/ 2.86lx		5.60m / 24.59sq.m
7.0m	1.76/ 2.10lx		6.53m / 33.47sq.m
8.0m	1.34/ 1.61lx		7.46m / 43.72sq.m
9.0m	1.06/ 1.27lx		8.39m / 55.33sq.m
10.0m	0.86/ 1.03lx		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	16.7	18.0	17.3	18.7	19.4	17.1	18.5	17.7	19.1	19.9
3H	18.4	19.7	19.0	20.3	21.1	19.5	20.8	20.1	21.4	22.2
4H	19.0	20.2	19.7	20.9	21.7	20.6	21.8	21.3	22.5	23.3
6H	19.5	20.6	20.1	21.3	22.0	21.7	22.8	22.4	23.5	24.3
8H	19.6	20.7	20.2	21.3	22.1	22.2	23.3	22.9	24.0	24.8
12H	19.6	20.7	20.3	21.3	22.2	22.7	23.7	23.4	24.4	25.2
X=4H Y=2H	17.3	18.5	18.0	19.2	20.0	17.7	18.9	18.4	19.6	20.3
3H	19.3	20.4	20.0	21.1	21.8	20.4	21.4	21.0	22.1	22.9
4H	20.1	21.1	20.8	21.8	22.6	21.6	22.6	22.3	23.3	24.1
6H	20.7	21.5	21.4	22.3	23.1	22.9	23.8	23.6	24.5	25.3
8H	20.9	21.7	21.6	22.4	23.2	23.5	24.3	24.2	25.0	25.9
12H	21.0	21.7	21.7	22.5	23.3	24.1	24.8	24.8	25.6	26.4
X=8H Y=4H	20.7	21.5	21.4	22.2	23.0	22.0	22.8	22.7	23.5	24.4
6H	21.4	22.1	22.2	22.9	23.8	23.5	24.2	24.2	24.9	25.8
8H	21.8	22.4	22.5	23.2	24.0	24.2	24.9	25.0	25.6	26.5
12H	22.0	22.6	22.7	23.3	24.2	25.0	25.6	25.8	26.3	27.2
X=12H Y=4H	20.8	21.5	21.5	22.3	23.1	22.0	22.7	22.7	23.5	24.3
6H	21.7	22.3	22.4	23.1	24.0	23.6	24.2	24.3	24.9	25.8
8H	22.1	22.7	22.8	23.4	24.3	24.4	25.0	25.2	25.7	26.6

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	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.93
	0.30		0.40	0.48	0.55	0.61	0.68	0.74	0.78	0.84	0.88
	0.20		0.35	0.42	0.49	0.54	0.62	0.68	0.73	0.79	0.84
0.50	0.50	0.20	0.45	0.52	0.59	0.63	0.70	0.74	0.77	0.82	0.85
	0.30		0.38	0.45	0.52	0.57	0.64	0.69	0.72	0.78	0.81
	0.20		0.33	0.40	0.46	0.51	0.59	0.64	0.68	0.74	0.78
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.64	0.68	0.71	0.75	0.78
	0.30		0.36	0.42	0.48	0.53	0.59	0.64	0.67	0.72	0.75
	0.20		0.32	0.38	0.44	0.48	0.55	0.60	0.63	0.69	0.72
0.00	0.00	0.00	0.28	0.33	0.39	0.43	0.48	0.53	0.56	0.60	0.63

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	1.02	0.88	0.77	0.68	0.56	0.48	0.42	0.34	0.28
	0.30		0.85	0.76	0.67	0.60	0.51	0.44	0.39	0.32	0.27
	0.20		0.73	0.66	0.59	0.54	0.46	0.41	0.36	0.30	0.25
0.50	0.50	0.20	0.94	0.82	0.71	0.63	0.52	0.47	0.39	0.31	0.26
	0.30		0.80	0.71	0.63	0.57	0.48	0.41	0.36	0.30	0.25
	0.20		0.69	0.63	0.56	0.51	0.44	0.38	0.34	0.28	0.24
0.30	0.50	0.20	0.88	0.76	0.66	0.58	0.48	0.41	0.36	0.29	0.24
	0.30		0.75	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.24
	0.20		0.66	0.60	0.53	0.48	0.41	0.36	0.32	0.27	0.23
0.00	0.00	0.00	0.54	0.49	0.43	0.39	0.33	0.29	0.26	0.21	0.18

Rating: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	0.34	0.36	0.37	0.37	0.38	0.39	0.39	0.40	0.40
	0.30		0.27	0.29	0.30	0.31	0.33	0.34	0.35	0.36	0.36
	0.20		0.22	0.24	0.25	0.26	0.28	0.29	0.30	0.32	0.33
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	0.28	0.29	0.30	0.32	0.33	0.33	0.34	0.35
	0.20		0.22	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32
0.30	0.50	0.20	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.36	0.36
	0.30		0.26	0.28	0.29	0.30	0.31	0.32	0.32	0.33	0.34
	0.20		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.31
0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18

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	103.4	0.1	0.1	0.02	0.02
1.0-2.0	103.4	0.3	0.4	0.06	0.08
2.0-3.0	103.3	0.5	0.9	0.10	0.18
3.0-4.0	103.3	0.7	1.6	0.14	0.32
4.0-5.0	103.2	0.9	2.5	0.18	0.50
5.0-6.0	103.1	1.1	3.6	0.22	0.72
6.0-7.0	103.0	1.3	4.8	0.26	0.97
7.0-8.0	102.8	1.5	6.3	0.30	1.27
8.0-9.0	102.7	1.7	8.0	0.33	1.60
9.0-10.0	102.5	1.9	9.8	0.37	1.98
10.0-11.0	102.2	2.0	11.9	0.41	2.39
11.0-12.0	102.0	2.2	14.1	0.45	2.84
12.0-13.0	101.7	2.4	16.5	0.49	3.32
13.0-14.0	101.4	2.6	19.1	0.52	3.85
14.0-15.0	101.1	2.8	21.9	0.56	4.40
15.0-16.0	100.7	3.0	24.8	0.59	5.00
16.0-17.0	100.4	3.1	28.0	0.63	5.63
17.0-18.0	100.0	3.3	31.3	0.66	6.29
18.0-19.0	99.5	3.5	34.7	0.70	6.99
19.0-20.0	99.1	3.6	38.3	0.73	7.72
20.0-21.0	98.6	3.8	42.1	0.76	8.48
21.0-22.0	98.1	3.9	46.1	0.79	9.27
22.0-23.0	97.6	4.1	50.2	0.82	10.10
23.0-24.0	97.0	4.2	54.4	0.85	10.95
24.0-25.0	96.4	4.4	58.8	0.88	11.84
25.0-26.0	95.8	4.5	63.3	0.91	12.75
26.0-27.0	95.2	4.7	68.0	0.94	13.68
27.0-28.0	94.5	4.8	72.8	0.96	14.65
28.0-29.0	93.9	4.9	77.7	0.99	15.64
29.0-30.0	93.2	5.0	82.7	1.01	16.65
30.0-31.0	92.5	5.1	87.9	1.04	17.68
31.0-32.0	91.7	5.3	93.1	1.06	18.74
32.0-33.0	90.9	5.4	98.5	1.08	19.82
33.0-34.0	90.2	5.5	103.9	1.10	20.92
34.0-35.0	89.4	5.6	109.5	1.12	22.04
35.0-36.0	88.5	5.6	115.1	1.13	23.17

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	87.7	5.7	120.8	1.15	24.32
37.0-38.0	86.9	5.8	126.6	1.17	25.49
38.0-39.0	86.0	5.9	132.5	1.18	26.67
39.0-40.0	85.1	5.9	138.4	1.19	27.87
40.0-41.0	84.1	6.0	144.4	1.21	29.07
41.0-42.0	83.2	6.0	150.5	1.22	30.29
42.0-43.0	82.3	6.1	156.6	1.23	31.52
43.0-44.0	81.3	6.1	162.7	1.24	32.75
44.0-45.0	80.3	6.2	168.9	1.24	33.99
45.0-46.0	79.3	6.2	175.1	1.25	35.24
46.0-47.0	78.3	6.2	181.3	1.25	36.49
47.0-48.0	77.2	6.2	187.6	1.26	37.75
48.0-49.0	76.2	6.3	193.8	1.26	39.01
49.0-50.0	75.1	6.3	200.1	1.26	40.27
50.0-51.0	74.1	6.3	206.3	1.26	41.53
51.0-52.0	73.0	6.3	212.6	1.26	42.79
52.0-53.0	71.9	6.3	218.9	1.26	44.05
53.0-54.0	70.8	6.2	225.1	1.26	45.31
54.0-55.0	69.6	6.2	231.3	1.25	46.56
55.0-56.0	68.5	6.2	237.5	1.25	47.81
56.0-57.0	67.4	6.2	243.7	1.24	49.05
57.0-58.0	66.2	6.1	249.8	1.23	50.28
58.0-59.0	65.1	6.1	255.9	1.22	51.50
59.0-60.0	63.9	6.0	261.9	1.22	52.72
60.0-61.0	62.7	6.0	267.9	1.20	53.92
61.0-62.0	61.5	5.9	273.8	1.19	55.12
62.0-63.0	60.4	5.9	279.7	1.18	56.30
63.0-64.0	59.2	5.8	285.5	1.17	57.47
64.0-65.0	58.0	5.7	291.2	1.16	58.62
65.0-66.0	56.8	5.7	296.9	1.14	59.76
66.0-67.0	55.6	5.6	302.5	1.13	60.89
67.0-68.0	54.4	5.5	308.0	1.11	62.00
68.0-69.0	53.2	5.4	313.4	1.09	63.09
69.0-70.0	52.0	5.3	318.8	1.07	64.16
70.0-71.0	50.8	5.3	324.0	1.06	65.22
71.0-72.0	49.6	5.2	329.2	1.04	66.26

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	48.4	5.1	334.3	1.02	67.28
73.0-74.0	47.3	5.0	339.2	1.00	68.28
74.0-75.0	46.1	4.9	344.1	0.98	69.26
75.0-76.0	44.9	4.8	348.9	0.96	70.22
76.0-77.0	43.8	4.7	353.5	0.94	71.16
77.0-78.0	42.6	4.6	358.1	0.92	72.08
78.0-79.0	41.5	4.5	362.6	0.90	72.98
79.0-80.0	40.4	4.4	366.9	0.88	73.85
80.0-81.0	39.4	4.3	371.2	0.86	74.71
81.0-82.0	38.3	4.2	375.3	0.84	75.55
82.0-83.0	37.3	4.1	379.4	0.82	76.36
83.0-84.0	36.3	4.0	383.3	0.80	77.16
84.0-85.0	35.3	3.9	387.2	0.78	77.93
85.0-86.0	34.4	3.8	390.9	0.76	78.69
86.0-87.0	33.5	3.7	394.6	0.74	79.43
87.0-88.0	32.6	3.6	398.2	0.72	80.15
88.0-89.0	31.8	3.5	401.7	0.70	80.85
89.0-90.0	31.0	3.4	405.1	0.68	81.53
90.0-91.0	30.3	3.3	408.4	0.67	82.20
91.0-92.0	29.6	3.2	411.6	0.65	82.85
92.0-93.0	28.9	3.2	414.8	0.64	83.49
93.0-94.0	28.2	3.1	417.9	0.62	84.11
94.0-95.0	27.5	3.0	420.9	0.61	84.72
95.0-96.0	26.9	2.9	423.8	0.59	85.31
96.0-97.0	26.3	2.9	426.7	0.58	85.88
97.0-98.0	25.6	2.8	429.5	0.56	86.45
98.0-99.0	25.0	2.7	432.2	0.55	86.99
99.0-100.0	24.4	2.6	434.8	0.53	87.52
100.0-101.0	23.8	2.6	437.4	0.52	88.04
101.0-102.0	23.2	2.5	439.9	0.50	88.54
102.0-103.0	22.6	2.4	442.3	0.49	89.03
103.0-104.0	22.1	2.4	444.7	0.47	89.50
104.0-105.0	21.5	2.3	446.9	0.46	89.96
105.0-106.0	21.0	2.2	449.2	0.45	90.41
106.0-107.0	20.4	2.1	451.3	0.43	90.84
107.0-108.0	19.9	2.1	453.4	0.42	91.26

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	19.4	2.0	455.4	0.41	91.67
109.0-110.0	18.9	2.0	457.4	0.39	92.06
110.0-111.0	18.4	1.9	459.3	0.38	92.44
111.0-112.0	17.9	1.8	461.1	0.37	92.81
112.0-113.0	17.4	1.8	462.8	0.36	93.16
113.0-114.0	17.0	1.7	464.6	0.34	93.51
114.0-115.0	16.5	1.6	466.2	0.33	93.84
115.0-116.0	16.0	1.6	467.8	0.32	94.16
116.0-117.0	15.6	1.5	469.3	0.31	94.47
117.0-118.0	15.2	1.5	470.8	0.30	94.76
118.0-119.0	14.7	1.4	472.2	0.29	95.05
119.0-120.0	14.3	1.4	473.6	0.27	95.32
120.0-121.0	13.9	1.3	474.9	0.26	95.59
121.0-122.0	13.5	1.3	476.2	0.25	95.84
122.0-123.0	13.1	1.2	477.4	0.24	96.08
123.0-124.0	12.7	1.2	478.5	0.23	96.32
124.0-125.0	12.3	1.1	479.6	0.22	96.54
125.0-126.0	11.9	1.1	480.7	0.21	96.76
126.0-127.0	11.5	1.0	481.7	0.20	96.96
127.0-128.0	11.1	1.0	482.7	0.19	97.15
128.0-129.0	10.7	0.9	483.6	0.19	97.34
129.0-130.0	10.4	0.9	484.5	0.18	97.52
130.0-131.0	10.0	0.8	485.3	0.17	97.68
131.0-132.0	9.6	0.8	486.1	0.16	97.84
132.0-133.0	9.3	0.8	486.8	0.15	98.00
133.0-134.0	9.0	0.7	487.6	0.14	98.14
134.0-135.0	8.6	0.7	488.2	0.14	98.27
135.0-136.0	8.3	0.6	488.9	0.13	98.40
136.0-137.0	8.0	0.6	489.5	0.12	98.53
137.0-138.0	7.7	0.6	490.1	0.12	98.64
138.0-139.0	7.4	0.5	490.6	0.11	98.75
139.0-140.0	7.2	0.5	491.1	0.10	98.85
140.0-141.0	6.9	0.5	491.6	0.10	98.95
141.0-142.0	6.6	0.4	492.0	0.09	99.04
142.0-143.0	6.2	0.4	492.5	0.08	99.12
143.0-144.0	5.9	0.4	492.8	0.08	99.20

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

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

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	5.6	0.4	493.2	0.07	99.27
145.0-146.0	5.4	0.3	493.5	0.07	99.34
146.0-147.0	5.1	0.3	493.8	0.06	99.40
147.0-148.0	4.8	0.3	494.1	0.06	99.46
148.0-149.0	4.6	0.3	494.4	0.05	99.51
149.0-150.0	4.3	0.2	494.6	0.05	99.56
150.0-151.0	4.1	0.2	494.8	0.04	99.60
151.0-152.0	3.9	0.2	495.0	0.04	99.65
152.0-153.0	3.7	0.2	495.2	0.04	99.68
153.0-154.0	3.6	0.2	495.4	0.04	99.72
154.0-155.0	3.4	0.2	495.6	0.03	99.75
155.0-156.0	3.2	0.1	495.7	0.03	99.78
156.0-157.0	3.0	0.1	495.8	0.03	99.81
157.0-158.0	2.9	0.1	496.0	0.02	99.83
158.0-159.0	2.7	0.1	496.1	0.02	99.85
159.0-160.0	2.5	0.1	496.2	0.02	99.87
160.0-161.0	2.4	0.1	496.3	0.02	99.89
161.0-162.0	2.2	0.1	496.3	0.02	99.90
162.0-163.0	2.1	0.1	496.4	0.01	99.92
163.0-164.0	2.0	0.1	496.5	0.01	99.93
164.0-165.0	1.8	0.1	496.5	0.01	99.94
165.0-166.0	1.7	0.0	496.6	0.01	99.95
166.0-167.0	1.6	0.0	496.6	0.01	99.96
167.0-168.0	1.5	0.0	496.6	0.01	99.97
168.0-169.0	1.4	0.0	496.7	0.01	99.97
169.0-170.0	1.3	0.0	496.7	0.01	99.98
170.0-171.0	1.3	0.0	496.7	0.00	99.98
171.0-172.0	1.2	0.0	496.7	0.00	99.99
172.0-173.0	1.2	0.0	496.8	0.00	99.99
173.0-174.0	1.1	0.0	496.8	0.00	99.99
174.0-175.0	1.1	0.0	496.8	0.00	100.00
175.0-176.0	1.1	0.0	496.8	0.00	100.00
176.0-177.0	1.0	0.0	496.8	0.00	100.00
177.0-178.0	1.0	0.0	496.8	0.00	100.00
178.0-179.0	1.0	0.0	496.8	0.00	100.00
179.0-180.0	1.0	0.0	496.8	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: