ACOLYTE
https://www.genledbrands.com/
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Fax:(+1) 210 360 1454

Report No.: **Test Time: 2021/2/4 16:52**

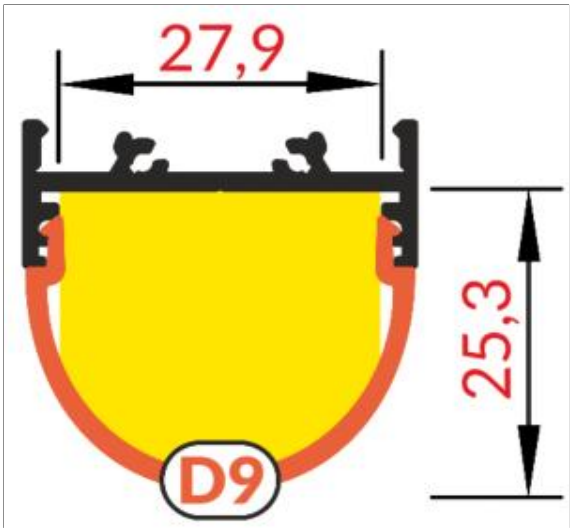
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AS13
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 2 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 32.2
Luminous Height (mm): 50
Voltage: 24.0 V
Current: 0.452 A
Power: 10.85 W
Power Factor: 1.000

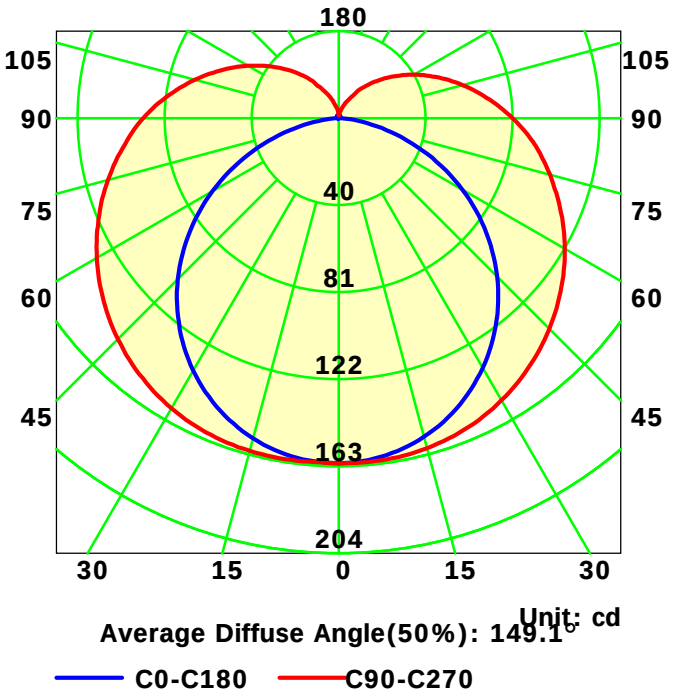
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 795.5 lm
Measurement Flux: 795.5 lm
Efficiency: 100%
Downward Ratio: 81%
Upward Ratio: 19%
Horizontal Diffuse Angle(10%,50%): H157.9,H110.2
Vertical Diffuse Angle(10%,50%): V294.1,V187.9
Luminaire Efficacy Rating (LER): 73
Central Intensity: 162.32 cd
Max. Intensity: 162.5 cd
Pos of Max. Intensity: H120 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



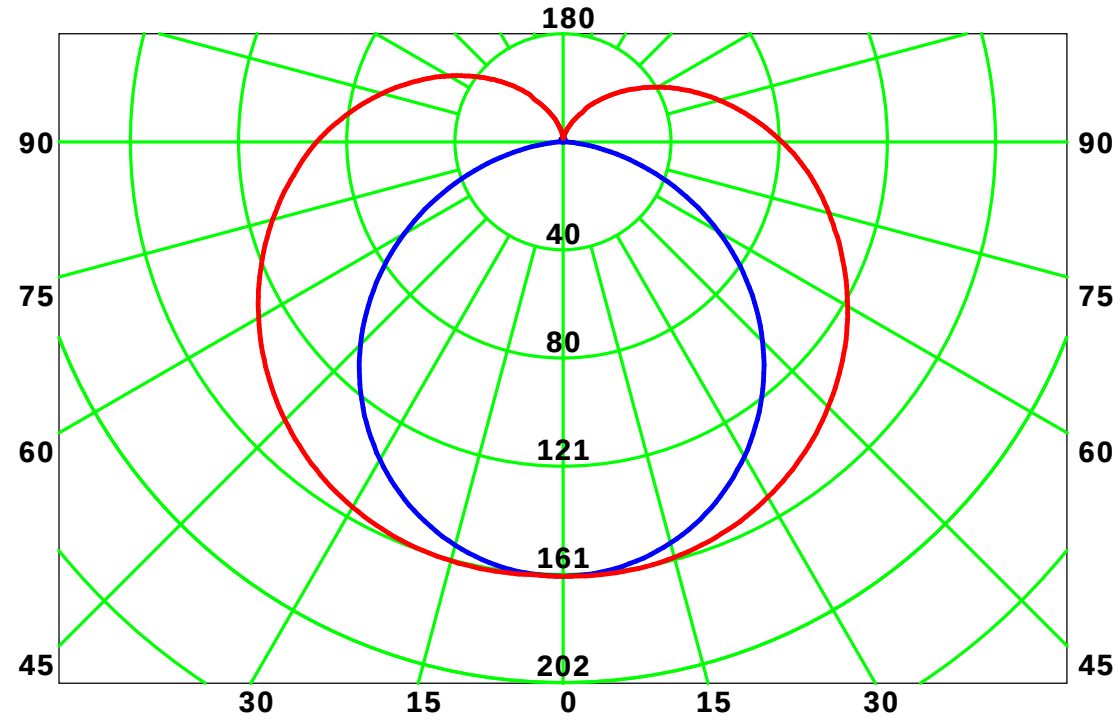
Unit: cd

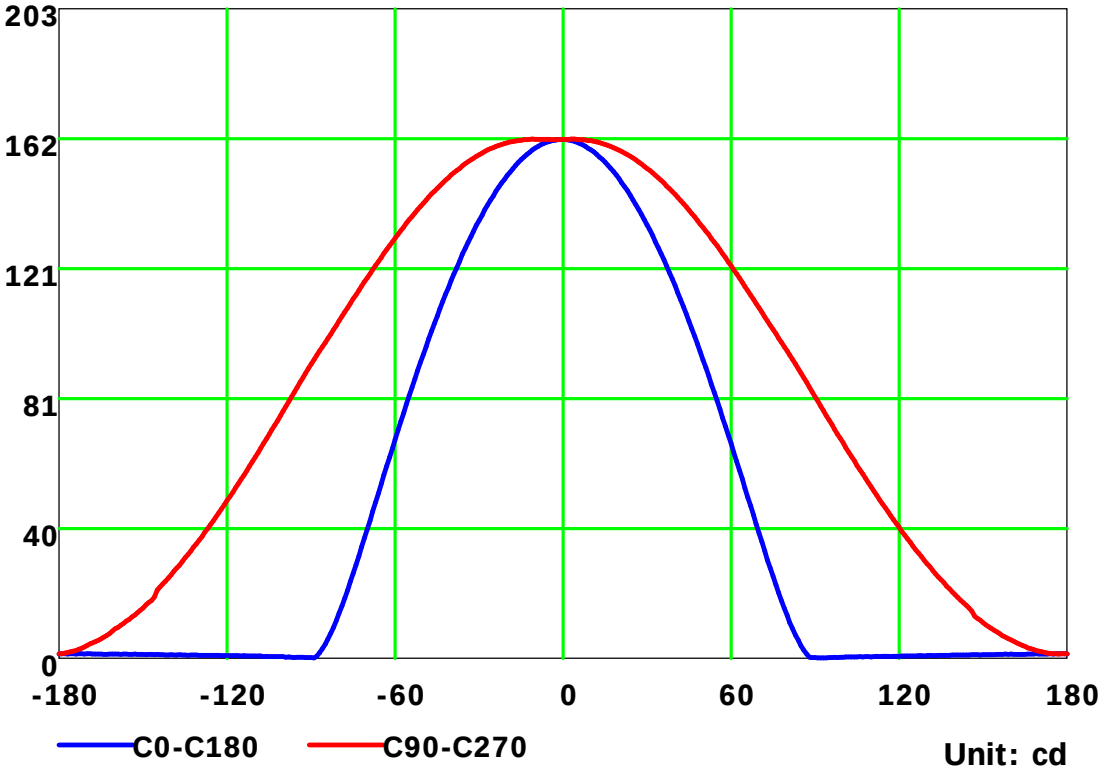
Average Diffuse Angle(50%): 149.1°

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

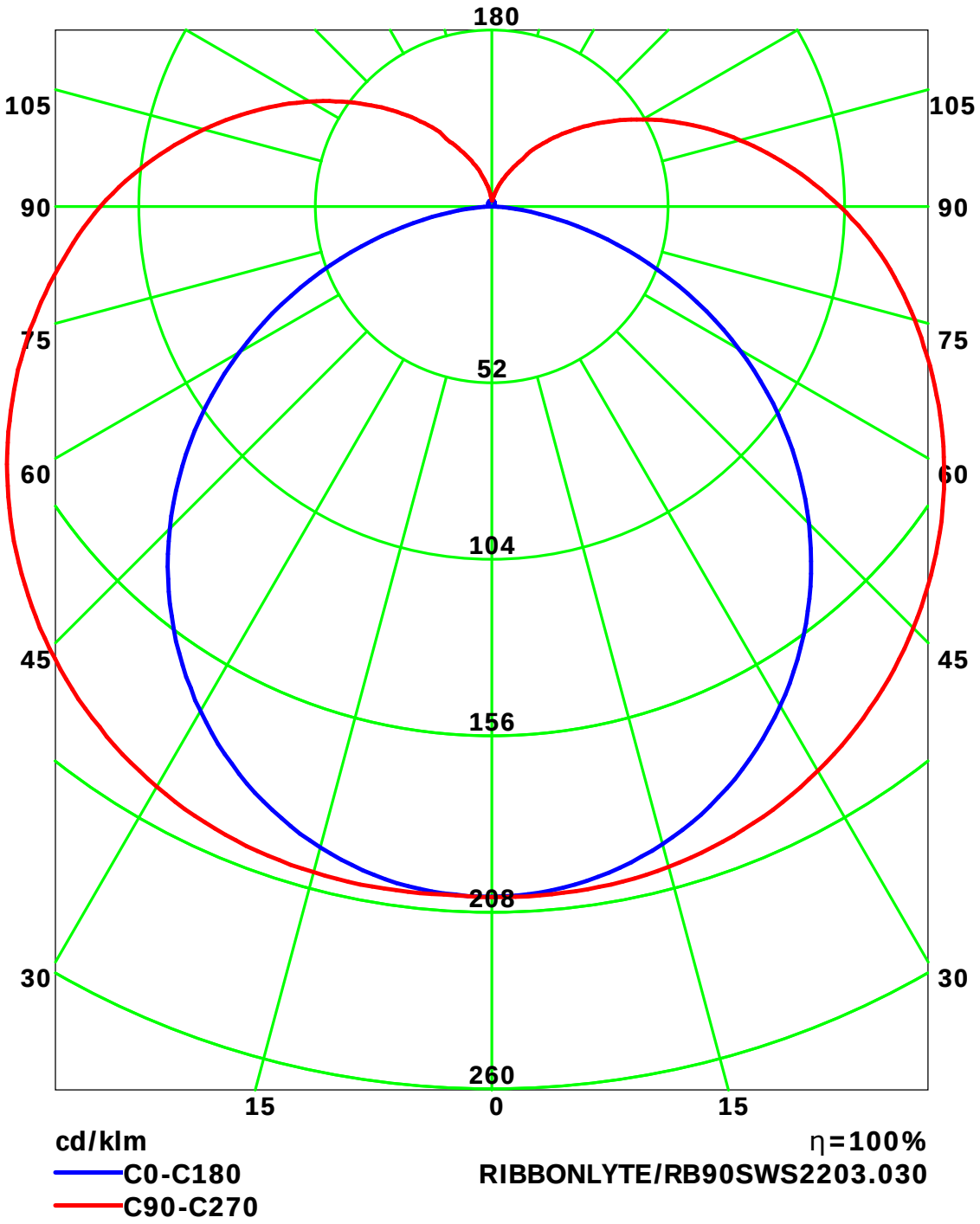




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

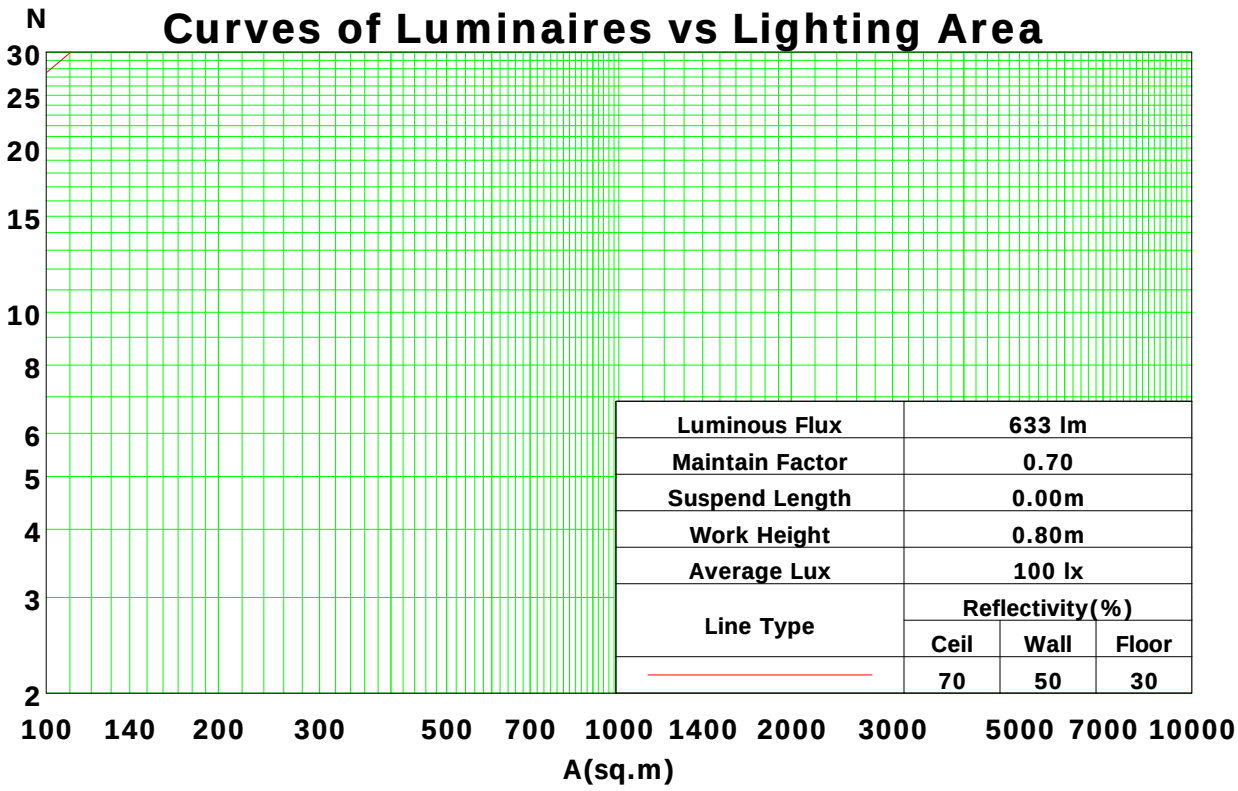
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	101	95	90	85	96	91	86	82	83	79	75	76	73	70	69	67	64	61
2	91	81	73	67	86	78	70	64	71	65	60	65	60	56	59	55	52	48
3	82	70	61	54	78	67	59	52	61	55	49	56	50	46	51	46	42	39
4	75	62	52	45	71	59	50	44	54	47	41	49	43	38	45	40	36	33
5	68	55	45	38	65	52	44	37	48	41	35	44	38	33	40	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	33	28	36	31	27	24
7	58	44	35	29	55	42	34	28	39	32	26	36	30	25	33	28	23	21
8	54	40	31	25	51	38	30	25	36	28	23	33	27	22	30	25	21	19
9	50	37	28	22	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	26	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.44
Spacing Criteria (Diagonal): 1.49

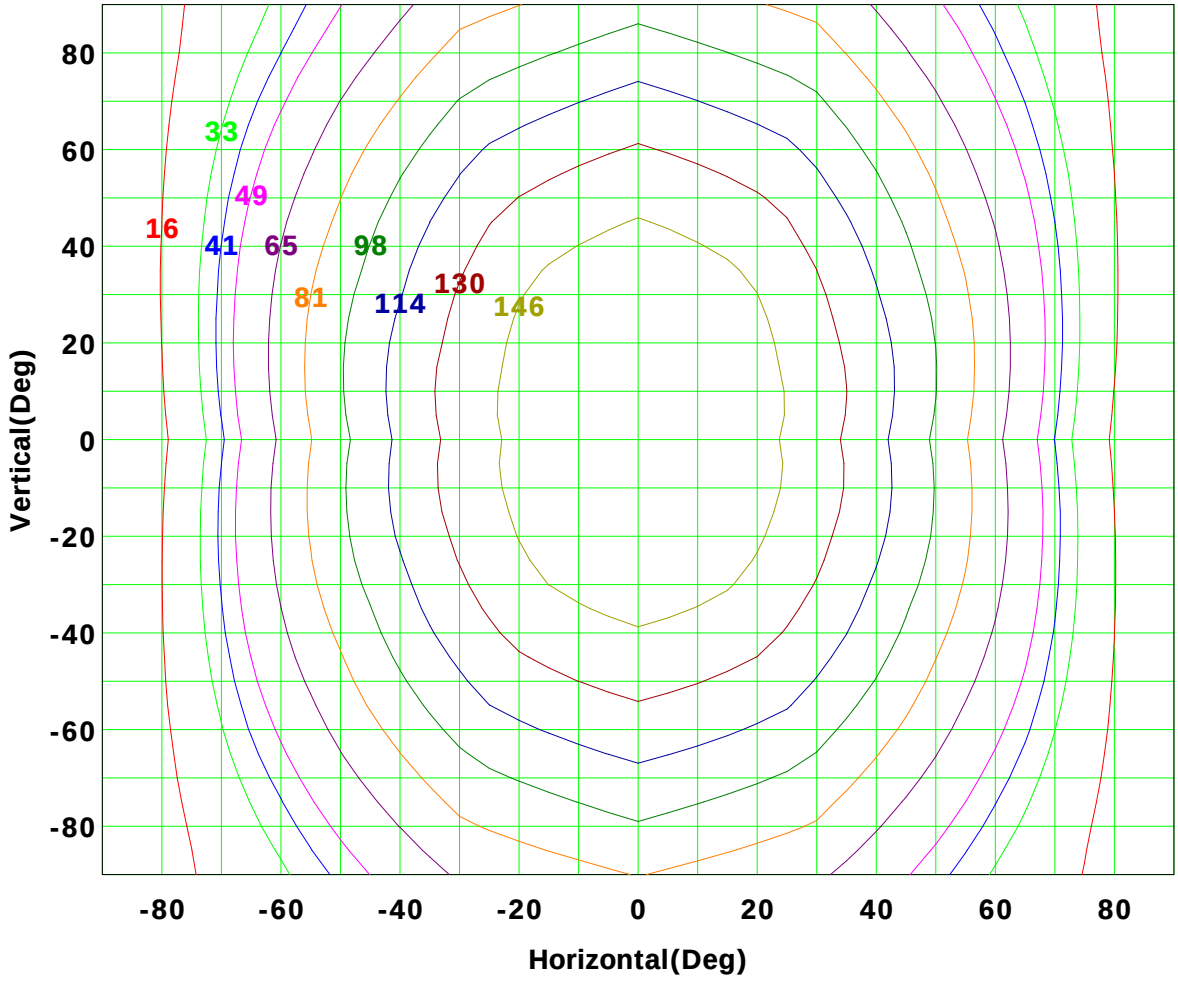
Curves of Luminaires vs Lighting Area



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)



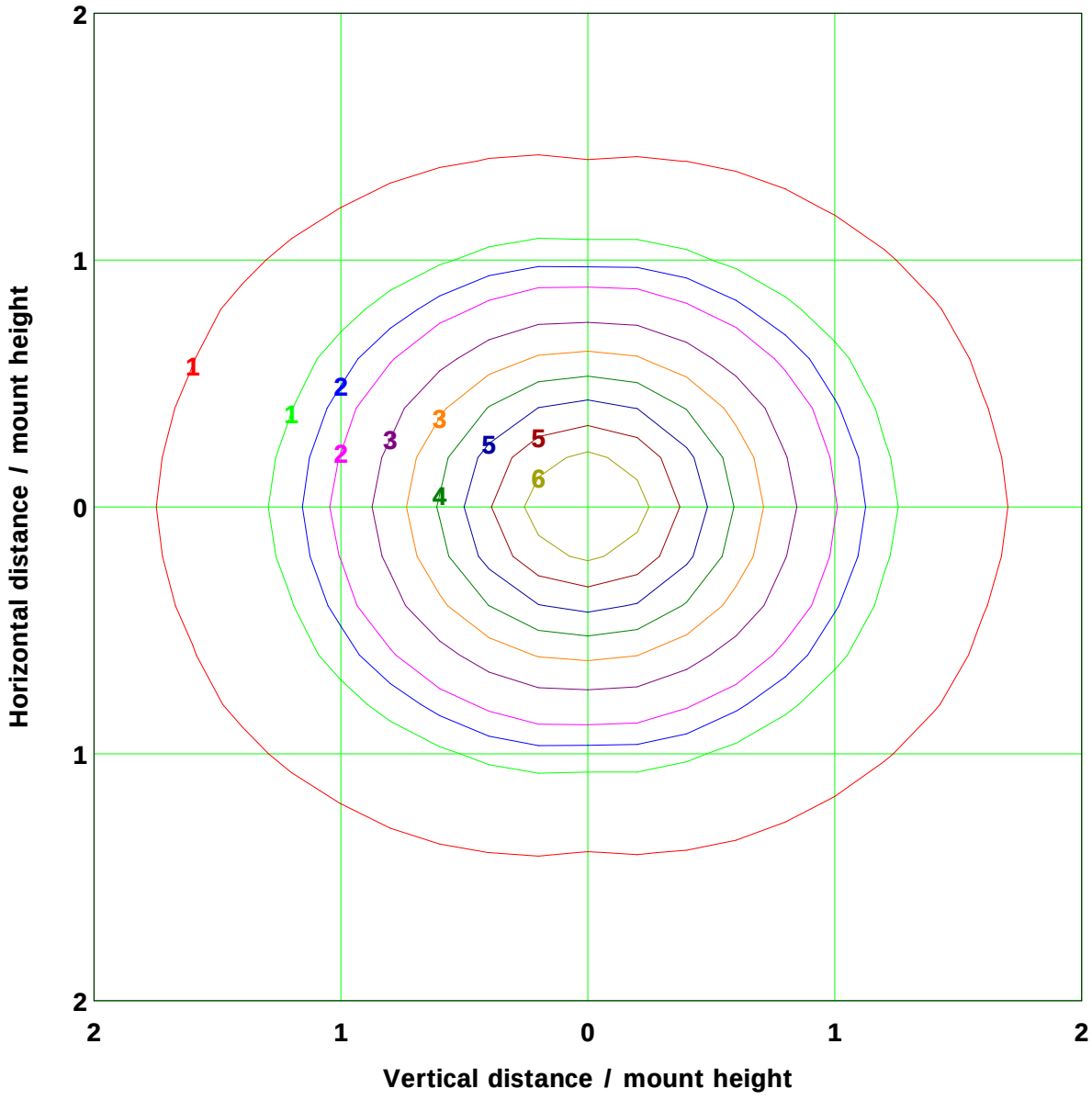
Imax (100%): 163 cd

(10%):	16 cd	(20%):	33 cd
(25%):	41 cd	(30%):	49 cd
(40%):	65 cd	(50%):	81 cd
(60%):	98 cd	(70%):	114 cd
(80%):	130 cd	(90%):	146 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%): 6.5 lx

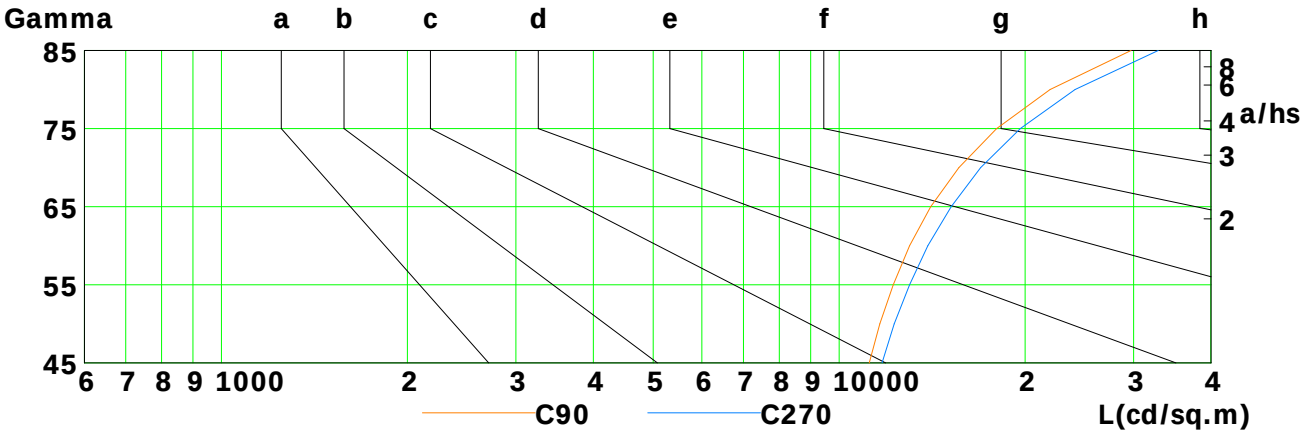
(10%): 0.6 lx	(20%): 1.3 lx
(25%): 1.6 lx	(30%): 1.9 lx
(40%): 2.6 lx	(50%): 3.2 lx
(60%): 3.9 lx	(70%): 4.5 lx
(80%): 5.2 lx	(90%): 5.8 lx

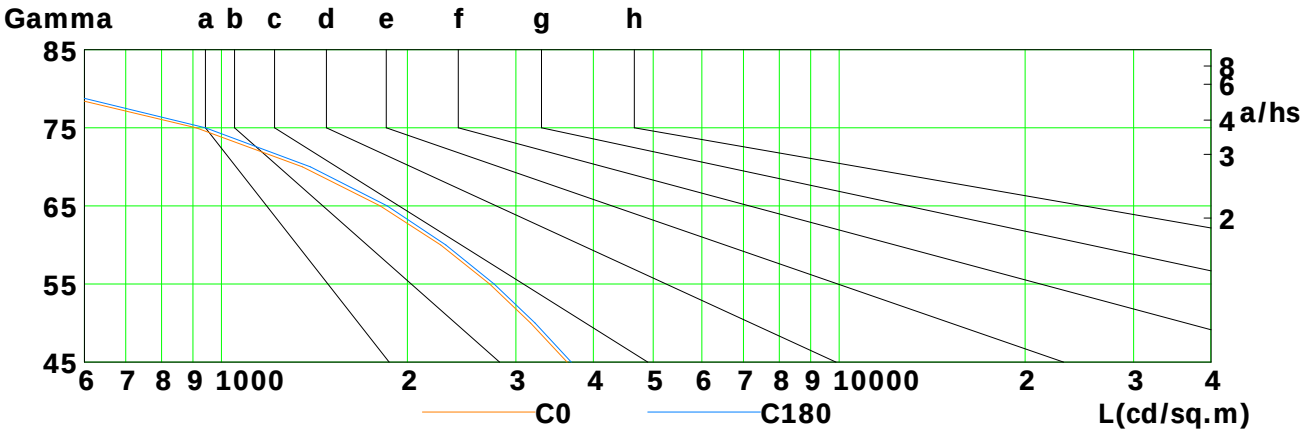
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



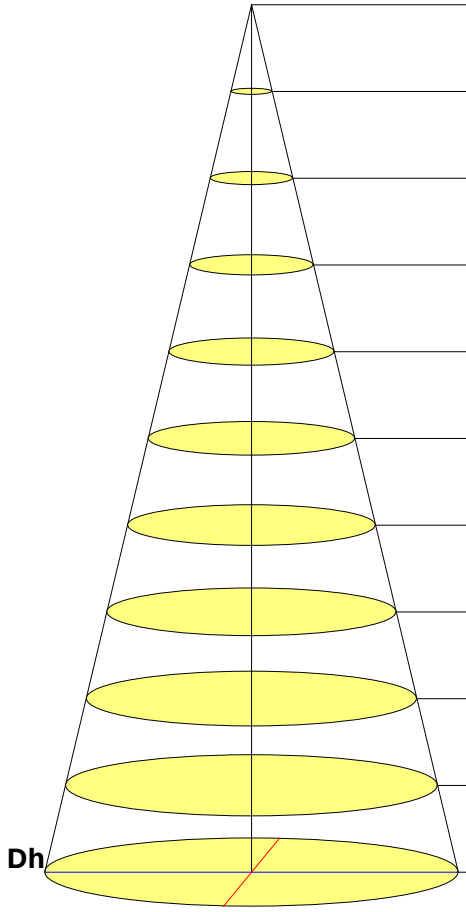


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3631	3167	2717	2264	1808	1353	910	495	155
C90	11196	11641	12236	13007	14082	15632	17992	21959	29700
C180	3686	3221	2766	2308	1855	1394	942	519	172
C270	11743	12291	13002	13921	15183	16961	19662	24116	32876

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



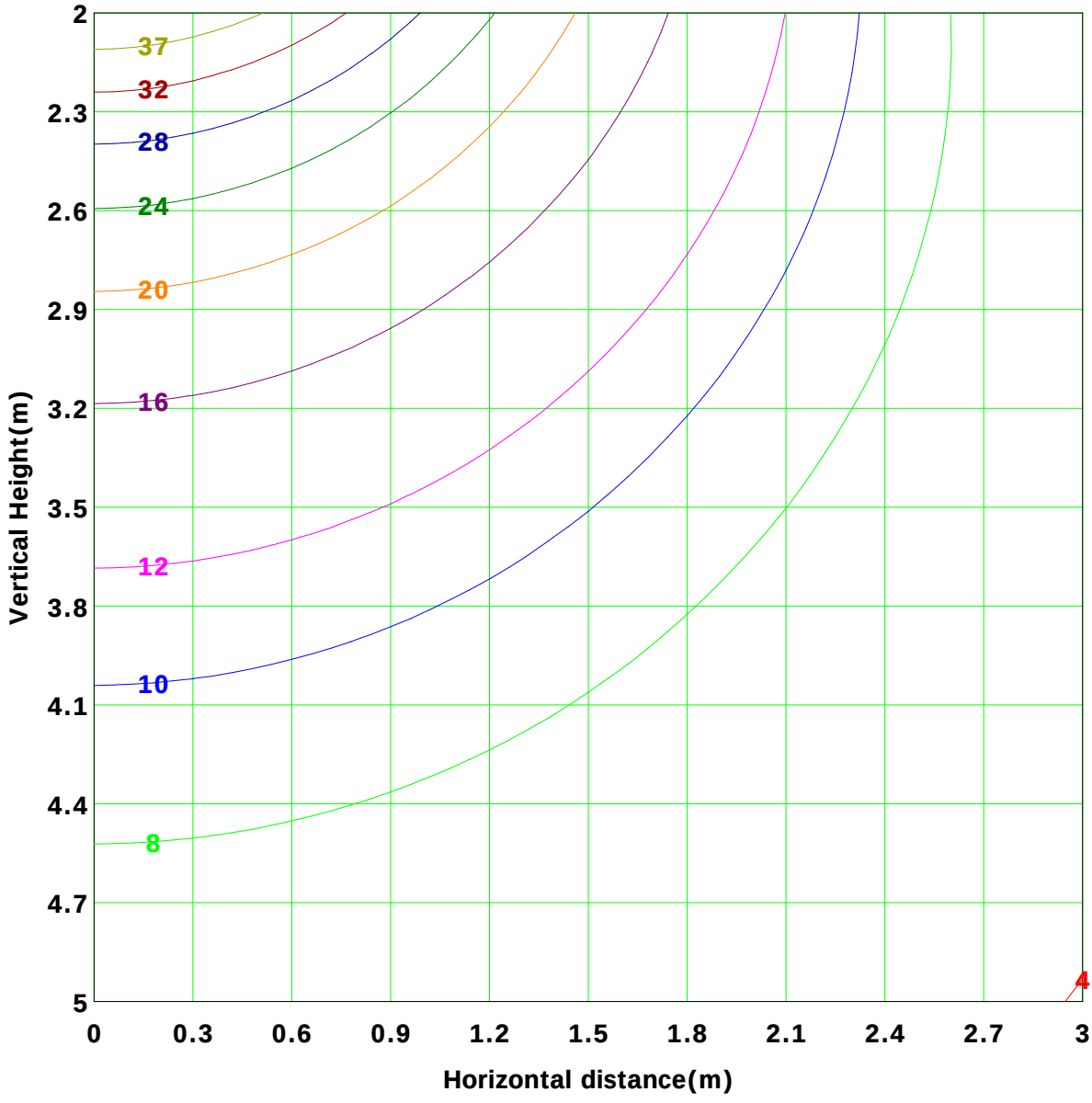
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	162.32	2.87/NA	NA	NA
2.0	40.58	5.74/NA	NA	NA
3.0	18.04	8.60/NA	NA	NA
4.0	10.15	11.47/NA	NA	NA
5.0	6.49	14.34/NA	NA	NA
6.0	4.51	17.21/NA	NA	NA
7.0	3.31	20.08/NA	NA	NA
8.0	2.54	22.94/NA	NA	NA
9.0	2.00	25.81/NA	NA	NA
10.0	1.62	28.68/NA	NA	NA

Beam Angle(B): H110.2 V187.9 Field Angle(F): H157.9 V294.1

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: 40.6 lx

(10%): 4.1 lx	(20%): 8.1 lx
(25%): 10.1 lx	(30%): 12.2 lx
(40%): 16.2 lx	(50%): 20.3 lx
(60%): 24.3 lx	(70%): 28.4 lx
(80%): 32.5 lx	(90%): 36.5 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

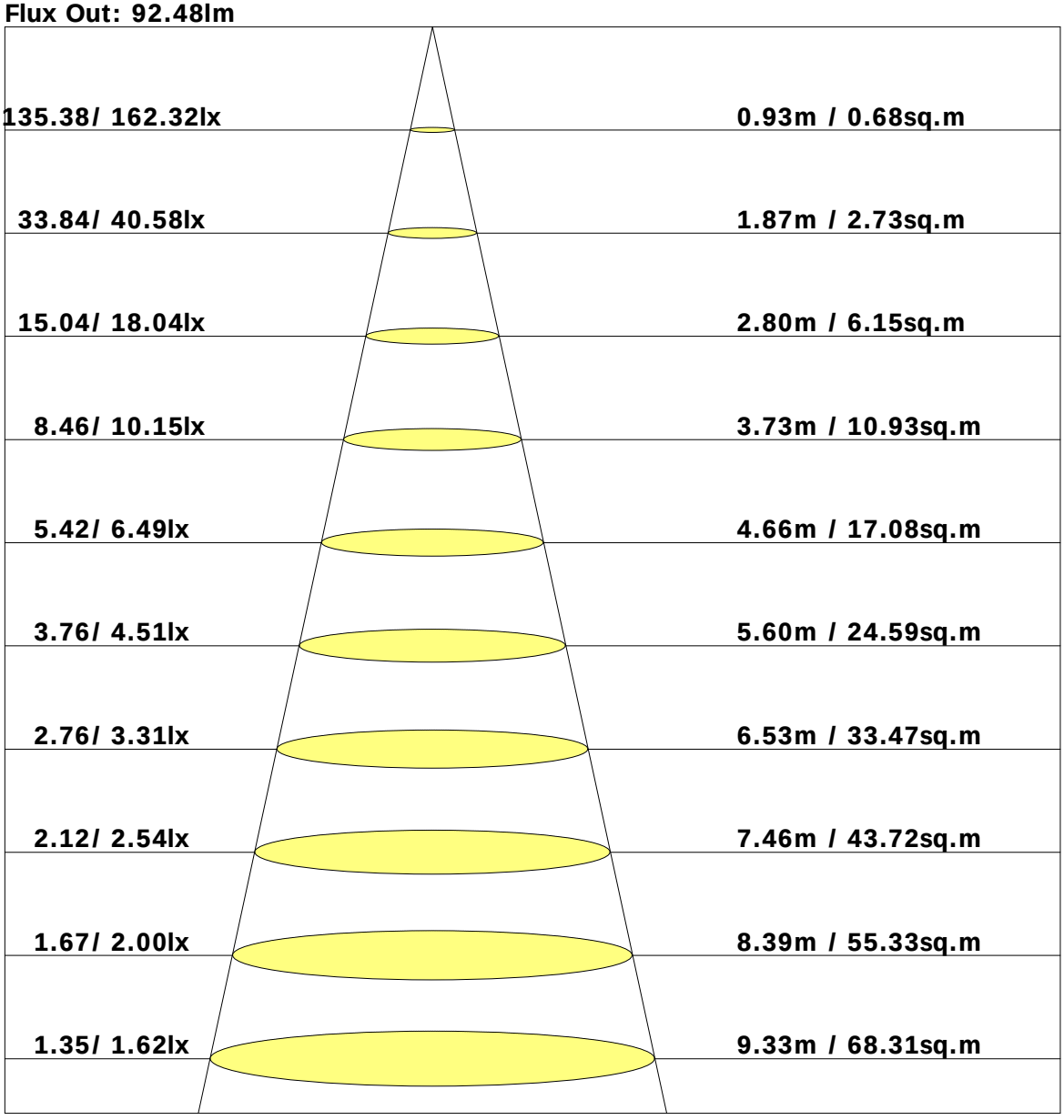
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	0.0	0.2	0.4	0.8	1.3	1.9	2.4	2.7	2.9	2.9	2.7	2.3	1.8	1.3	0.8	0.4	0.1	0.0	0.0	25.0	24.9
-90	0.0	0.2	0.5	1.0	1.5	2.2	2.7	3.1	3.3	3.3	3.0	2.7	2.1	1.5	0.9	0.5	0.2	0.0	0.0	28.6	28.6
-80	0.0	0.2	0.6	1.1	1.7	2.4	3.0	3.4	3.7	3.7	3.4	3.0	2.4	1.7	1.1	0.5	0.2	0.0	0.0	32.3	32.2
-70	0.0	0.2	0.7	1.3	2.1	2.9	3.6	4.1	4.4	4.4	4.1	3.6	2.8	2.0	1.3	0.7	0.2	0.0	0.0	38.4	38.3
-60	0.0	0.2	0.6	1.2	1.9	2.7	3.3	3.8	4.1	4.1	3.8	3.3	2.6	1.9	1.2	0.6	0.2	0.0	0.0	35.6	35.5
-50	0.0	0.2	0.7	1.4	2.2	3.0	3.8	4.3	4.6	4.6	4.3	3.8	3.0	2.2	1.4	0.7	0.2	0.0	0.0	40.6	40.6
-40	0.0	0.2	0.7	1.4	2.2	3.0	3.8	4.3	4.6	4.6	4.3	3.8	3.0	2.2	1.4	0.7	0.2	0.0	0.0	40.6	40.6
-30	0.0	0.3	0.8	1.5	2.3	3.1	3.9	4.5	4.8	4.8	4.5	3.9	3.1	2.3	1.4	0.7	0.2	0.0	0.0	42.1	42.1
-20	0.0	0.2	0.8	1.5	2.4	3.2	4.0	4.6	4.9	4.9	4.5	4.0	3.2	2.3	1.5	0.7	0.2	0.0	0.0	42.9	42.8
-10	0.0	0.2	0.7	1.5	2.3	3.2	4.0	4.6	4.9	4.9	4.6	4.0	3.2	2.3	1.4	0.7	0.2	0.0	0.0	42.9	42.8
0	0.0	0.2	0.7	1.5	2.3	3.2	4.0	4.6	4.9	4.9	4.6	4.0	3.2	2.3	1.4	0.7	0.2	0.0	0.0	42.7	42.7
10	0.0	0.2	0.7	1.5	2.3	3.2	4.0	4.5	4.8	4.8	4.5	3.9	3.1	2.3	1.4	0.7	0.2	0.0	0.0	42.4	42.4
20	0.0	0.2	0.7	1.4	2.3	3.1	3.8	4.4	4.7	4.7	4.4	3.8	3.0	2.2	1.4	0.7	0.2	0.0	0.0	41.2	41.2
30	0.0	0.2	0.7	1.4	2.1	2.9	3.7	4.2	4.5	4.5	4.2	3.6	2.9	2.1	1.3	0.7	0.2	0.0	0.0	39.3	39.2
40	0.0	0.2	0.6	1.3	2.0	2.7	3.4	3.9	4.2	4.2	3.9	3.4	2.7	1.9	1.2	0.6	0.2	0.0	0.0	36.6	36.6
50	0.0	0.2	0.6	1.1	1.8	2.5	3.1	3.6	3.8	3.8	3.6	3.1	2.5	1.8	1.1	0.6	0.2	0.0	0.0	33.5	33.4
60	0.0	0.2	0.5	1.0	1.6	2.2	2.8	3.2	3.5	3.5	3.2	2.8	2.2	1.6	1.0	0.5	0.2	0.0	0.0	29.9	29.8
70	0.0	0.2	0.4	0.9	1.4	2.0	2.5	2.8	3.0	3.0	2.8	2.4	1.9	1.4	0.8	0.4	0.2	0.0	0.0	26.1	26.1
80	0.0	0.1	0.4	0.7	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.7	0.4	0.1	0.0	0.0	22.4	22.3
90	0.4	3.8	11.2	21.9	34.7	48.2	60.2	68.7	73.7	73.6	68.3	59.6	47.5	34.2	21.5	10.9	3.7	0.4	643		
Flux(T)	0.4	3.8	11.2	21.9	34.7	48.2	60.2	68.7	73.7	73.6	68.3	59.6	47.5	34.2	21.5	10.9	3.7	0.4		643	
Flux(E)	0.0	3.7	11.2	21.9	34.7	48.2	60.2	68.7	73.7	73.6	68.3	59.6	47.5	34.2	21.5	10.9	3.5	0.0		641	

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: 92.48lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / 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:

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	16.4	17.8	17.0	18.4	19.2	16.8	18.2	17.4	18.8	19.6
3H	18.1	19.4	18.8	20.0	20.8	19.2	20.4	19.8	21.1	21.8
4H	18.7	19.9	19.4	20.6	21.4	20.3	21.4	20.9	22.1	22.9
6H	19.1	20.2	19.8	20.9	21.7	21.3	22.4	22.0	23.1	23.9
8H	19.2	20.3	19.9	21.0	21.8	21.8	22.9	22.5	23.6	24.4
12H	19.2	20.3	19.9	21.0	21.8	22.3	23.3	23.0	24.0	24.9
X=4H Y=2H	17.1	18.3	17.8	19.0	19.8	17.4	18.6	18.1	19.3	20.0
3H	19.1	20.1	19.7	20.8	21.6	20.0	21.0	20.7	21.7	22.5
4H	19.8	20.8	20.5	21.5	22.3	21.3	22.2	22.0	22.9	23.8
6H	20.4	21.2	21.1	22.0	22.8	22.5	23.4	23.2	24.1	24.9
8H	20.5	21.3	21.3	22.1	22.9	23.1	23.9	23.8	24.6	25.5
12H	20.6	21.4	21.4	22.1	23.0	23.7	24.4	24.4	25.2	26.1
X=8H Y=4H	20.4	21.2	21.1	21.9	22.8	21.6	22.4	22.3	23.1	24.0
6H	21.2	21.9	21.9	22.6	23.5	23.1	23.8	23.8	24.5	25.4
8H	21.5	22.1	22.2	22.9	23.7	23.8	24.4	24.6	25.2	26.1
12H	21.7	22.2	22.4	23.0	23.9	24.6	25.2	25.4	25.9	26.8
X=12H Y=4H	20.6	21.3	21.3	22.0	22.9	21.6	22.4	22.4	23.1	24.0
6H	21.4	22.1	22.2	22.8	23.7	23.2	23.8	23.9	24.5	25.5
8H	21.8	22.4	22.6	23.1	24.1	24.0	24.6	24.8	25.3	26.2

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	0.62	0.68	0.73	0.79	0.84
0.50	0.50	0.20	0.45	0.52	0.58	0.63	0.69	0.74	0.77	0.81	0.84
	0.30		0.38	0.45	0.51	0.56	0.63	0.68	0.72	0.77	0.81
	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	0.42	0.48	0.54	0.58	0.63	0.67	0.70	0.74	0.77
	0.30		0.36	0.42	0.48	0.52	0.59	0.63	0.66	0.71	0.74
	0.20		0.31	0.37	0.43	0.48	0.55	0.59	0.63	0.68	0.72
0.00	0.00	0.00	0.27	0.33	0.38	0.42	0.48	0.52	0.55	0.60	0.63

Rating:11W 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	0.26
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	0.56	0.47	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	0.65	0.58	0.48	0.41	0.36	0.29	0.24
	0.30		0.75	0.67	0.59	0.53	0.44	0.38	0.34	0.28	0.23
	0.20		0.66	0.59	0.53	0.48	0.41	0.36	0.32	0.27	0.23
0.00	0.00	0.00	0.53	0.48	0.43	0.39	0.33	0.29	0.26	0.21	0.18

Rating:11W 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	0.37	0.38	0.38	0.39	0.39	0.40	0.40	0.40
	0.30		0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37
	0.20		0.23	0.24	0.26	0.27	0.29	0.30	0.31	0.33	0.34
0.50	0.50	0.20	0.34	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39
	0.30		0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36
	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	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34
	0.20		0.23	0.24	0.25	0.26	0.28	0.29	0.30	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:11W 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	162.3	0.2	0.2	0.02	0.02
1.0-2.0	162.3	0.5	0.6	0.06	0.08
2.0-3.0	162.3	0.8	1.4	0.10	0.18
3.0-4.0	162.1	1.1	2.5	0.14	0.31
4.0-5.0	162.0	1.4	3.9	0.18	0.49
5.0-6.0	161.9	1.7	5.6	0.21	0.70
6.0-7.0	161.7	2.0	7.6	0.25	0.95
7.0-8.0	161.5	2.3	9.9	0.29	1.24
8.0-9.0	161.2	2.6	12.5	0.33	1.57
9.0-10.0	160.9	2.9	15.4	0.37	1.94
10.0-11.0	160.6	3.2	18.6	0.40	2.34
11.0-12.0	160.2	3.5	22.1	0.44	2.78
12.0-13.0	159.8	3.8	25.9	0.48	3.26
13.0-14.0	159.4	4.1	30.0	0.51	3.77
14.0-15.0	158.9	4.4	34.4	0.55	4.32
15.0-16.0	158.4	4.6	39.0	0.58	4.90
16.0-17.0	157.8	4.9	43.9	0.62	5.52
17.0-18.0	157.2	5.2	49.1	0.65	6.17
18.0-19.0	156.6	5.4	54.6	0.68	6.86
19.0-20.0	155.9	5.7	60.3	0.72	7.58
20.0-21.0	155.2	6.0	66.2	0.75	8.33
21.0-22.0	154.4	6.2	72.4	0.78	9.11
22.0-23.0	153.6	6.4	78.9	0.81	9.92
23.0-24.0	152.8	6.7	85.6	0.84	10.76
24.0-25.0	151.9	6.9	92.5	0.87	11.62
25.0-26.0	151.0	7.1	99.6	0.90	12.52
26.0-27.0	150.1	7.3	107.0	0.92	13.44
27.0-28.0	149.1	7.5	114.5	0.95	14.39
28.0-29.0	148.1	7.7	122.2	0.97	15.37
29.0-30.0	147.0	7.9	130.2	1.00	16.36
30.0-31.0	145.9	8.1	138.3	1.02	17.39
31.0-32.0	144.8	8.3	146.6	1.04	18.43
32.0-33.0	143.6	8.5	155.1	1.06	19.49
33.0-34.0	142.4	8.6	163.7	1.08	20.58
34.0-35.0	141.2	8.8	172.5	1.10	21.68
35.0-36.0	139.9	8.9	181.4	1.12	22.80

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	138.6	9.0	190.4	1.14	23.93
37.0-38.0	137.3	9.2	199.6	1.15	25.09
38.0-39.0	135.9	9.3	208.9	1.17	26.25
39.0-40.0	134.5	9.4	218.2	1.18	27.43
40.0-41.0	133.1	9.5	227.7	1.19	28.62
41.0-42.0	131.7	9.6	237.3	1.20	29.83
42.0-43.0	130.2	9.6	246.9	1.21	31.04
43.0-44.0	128.7	9.7	256.7	1.22	32.26
44.0-45.0	127.2	9.8	266.4	1.23	33.49
45.0-46.0	125.6	9.8	276.2	1.23	34.72
46.0-47.0	124.0	9.9	286.1	1.24	35.96
47.0-48.0	122.4	9.9	296.0	1.24	37.21
48.0-49.0	120.8	9.9	305.9	1.25	38.46
49.0-50.0	119.1	9.9	315.9	1.25	39.70
50.0-51.0	117.4	9.9	325.8	1.25	40.95
51.0-52.0	115.7	9.9	335.7	1.25	42.20
52.0-53.0	114.0	9.9	345.7	1.25	43.45
53.0-54.0	112.3	9.9	355.6	1.24	44.69
54.0-55.0	110.5	9.9	365.4	1.24	45.93
55.0-56.0	108.8	9.8	375.2	1.24	47.17
56.0-57.0	107.0	9.8	385.0	1.23	48.40
57.0-58.0	105.2	9.7	394.8	1.22	49.62
58.0-59.0	103.4	9.7	404.4	1.21	50.84
59.0-60.0	101.5	9.6	414.0	1.21	52.04
60.0-61.0	99.7	9.5	423.5	1.20	53.24
61.0-62.0	97.8	9.4	433.0	1.19	54.42
62.0-63.0	96.0	9.3	442.3	1.17	55.60
63.0-64.0	94.1	9.2	451.5	1.16	56.76
64.0-65.0	92.2	9.1	460.7	1.15	57.91
65.0-66.0	90.4	9.0	469.7	1.13	59.04
66.0-67.0	88.5	8.9	478.6	1.12	60.16
67.0-68.0	86.6	8.8	487.3	1.10	61.26
68.0-69.0	84.7	8.6	496.0	1.09	62.35
69.0-70.0	82.8	8.5	504.5	1.07	63.42
70.0-71.0	80.9	8.4	512.9	1.05	64.47
71.0-72.0	79.1	8.2	521.1	1.03	65.50

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	77.2	8.1	529.2	1.01	66.52
73.0-74.0	75.3	7.9	537.1	1.00	67.51
74.0-75.0	73.5	7.8	544.8	0.98	68.49
75.0-76.0	71.7	7.6	552.5	0.96	69.44
76.0-77.0	69.9	7.5	559.9	0.94	70.38
77.0-78.0	68.1	7.3	567.2	0.92	71.30
78.0-79.0	66.4	7.1	574.3	0.90	72.19
79.0-80.0	64.7	7.0	581.3	0.88	73.07
80.0-81.0	63.0	6.8	588.1	0.86	73.93
81.0-82.0	61.4	6.7	594.8	0.84	74.76
82.0-83.0	59.7	6.5	601.3	0.82	75.58
83.0-84.0	58.2	6.3	607.6	0.80	76.38
84.0-85.0	56.7	6.2	613.8	0.78	77.15
85.0-86.0	55.2	6.0	619.8	0.76	77.91
86.0-87.0	53.9	5.9	625.7	0.74	78.66
87.0-88.0	52.5	5.8	631.5	0.72	79.38
88.0-89.0	51.3	5.6	637.1	0.71	80.09
89.0-90.0	50.2	5.5	642.6	0.69	80.78
90.0-91.0	49.1	5.4	648.0	0.68	81.45
91.0-92.0	48.0	5.3	653.3	0.66	82.12
92.0-93.0	47.0	5.1	658.4	0.65	82.76
93.0-94.0	46.0	5.0	663.4	0.63	83.40
94.0-95.0	44.9	4.9	668.4	0.62	84.01
95.0-96.0	43.9	4.8	673.2	0.60	84.62
96.0-97.0	42.9	4.7	677.8	0.59	85.20
97.0-98.0	42.0	4.6	682.4	0.57	85.78
98.0-99.0	41.0	4.4	686.8	0.56	86.34
99.0-100.0	40.1	4.3	691.2	0.54	86.88
100.0-101.0	39.1	4.2	695.4	0.53	87.41
101.0-102.0	38.2	4.1	699.5	0.52	87.93
102.0-103.0	37.3	4.0	703.5	0.50	88.43
103.0-104.0	36.4	3.9	707.4	0.49	88.92
104.0-105.0	35.6	3.8	711.2	0.47	89.39
105.0-106.0	34.7	3.7	714.8	0.46	89.85
106.0-107.0	33.9	3.6	718.4	0.45	90.30
107.0-108.0	33.1	3.5	721.8	0.43	90.74

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	32.2	3.4	725.2	0.42	91.16
109.0-110.0	31.4	3.3	728.5	0.41	91.57
110.0-111.0	30.7	3.1	731.6	0.40	91.96
111.0-112.0	29.9	3.0	734.7	0.38	92.35
112.0-113.0	29.1	3.0	737.6	0.37	92.72
113.0-114.0	28.4	2.9	740.5	0.36	93.08
114.0-115.0	27.6	2.8	743.2	0.35	93.42
115.0-116.0	26.9	2.7	745.9	0.33	93.76
116.0-117.0	26.2	2.6	748.4	0.32	94.08
117.0-118.0	25.5	2.5	750.9	0.31	94.39
118.0-119.0	24.8	2.4	753.3	0.30	94.69
119.0-120.0	24.1	2.3	755.6	0.29	94.98
120.0-121.0	23.4	2.2	757.8	0.28	95.26
121.0-122.0	22.8	2.1	760.0	0.27	95.53
122.0-123.0	22.1	2.0	762.0	0.26	95.78
123.0-124.0	21.5	2.0	764.0	0.25	96.03
124.0-125.0	20.8	1.9	765.9	0.24	96.27
125.0-126.0	20.2	1.8	767.7	0.23	96.50
126.0-127.0	19.6	1.7	769.4	0.22	96.71
127.0-128.0	19.0	1.6	771.0	0.21	96.92
128.0-129.0	18.3	1.6	772.6	0.20	97.12
129.0-130.0	17.7	1.5	774.1	0.19	97.31
130.0-131.0	17.1	1.4	775.5	0.18	97.48
131.0-132.0	16.5	1.4	776.9	0.17	97.65
132.0-133.0	15.9	1.3	778.2	0.16	97.82
133.0-134.0	15.4	1.2	779.4	0.15	97.97
134.0-135.0	14.9	1.2	780.6	0.15	98.12
135.0-136.0	14.4	1.1	781.7	0.14	98.26
136.0-137.0	13.9	1.0	782.7	0.13	98.39
137.0-138.0	13.4	1.0	783.7	0.12	98.51
138.0-139.0	12.9	0.9	784.6	0.12	98.63
139.0-140.0	12.4	0.9	785.5	0.11	98.74
140.0-141.0	12.0	0.8	786.4	0.11	98.85
141.0-142.0	11.4	0.8	787.1	0.10	98.94
142.0-143.0	10.8	0.7	787.9	0.09	99.03
143.0-144.0	10.2	0.7	788.5	0.08	99.12

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	9.9	0.6	789.2	0.08	99.20
145.0-146.0	9.4	0.6	789.7	0.07	99.27
146.0-147.0	8.9	0.5	790.3	0.07	99.34
147.0-148.0	8.4	0.5	790.8	0.06	99.40
148.0-149.0	8.1	0.5	791.2	0.06	99.46
149.0-150.0	7.7	0.4	791.7	0.05	99.51
150.0-151.0	7.3	0.4	792.1	0.05	99.56
151.0-152.0	7.0	0.4	792.4	0.05	99.61
152.0-153.0	6.6	0.3	792.8	0.04	99.65
153.0-154.0	6.3	0.3	793.1	0.04	99.69
154.0-155.0	6.0	0.3	793.4	0.04	99.73
155.0-156.0	5.6	0.3	793.6	0.03	99.76
156.0-157.0	5.3	0.2	793.8	0.03	99.79
157.0-158.0	5.1	0.2	794.1	0.03	99.81
158.0-159.0	4.8	0.2	794.2	0.02	99.84
159.0-160.0	4.5	0.2	794.4	0.02	99.86
160.0-161.0	4.3	0.2	794.6	0.02	99.88
161.0-162.0	4.0	0.1	794.7	0.02	99.90
162.0-163.0	3.7	0.1	794.8	0.02	99.91
163.0-164.0	3.5	0.1	794.9	0.01	99.93
164.0-165.0	3.2	0.1	795.0	0.01	99.94
165.0-166.0	3.0	0.1	795.1	0.01	99.95
166.0-167.0	2.8	0.1	795.2	0.01	99.96
167.0-168.0	2.6	0.1	795.3	0.01	99.96
168.0-169.0	2.5	0.1	795.3	0.01	99.97
169.0-170.0	2.3	0.0	795.4	0.01	99.98
170.0-171.0	2.2	0.0	795.4	0.00	99.98
171.0-172.0	2.1	0.0	795.4	0.00	99.99
172.0-173.0	2.0	0.0	795.5	0.00	99.99
173.0-174.0	1.9	0.0	795.5	0.00	99.99
174.0-175.0	1.8	0.0	795.5	0.00	99.99
175.0-176.0	1.7	0.0	795.5	0.00	100.00
176.0-177.0	1.7	0.0	795.5	0.00	100.00
177.0-178.0	1.6	0.0	795.5	0.00	100.00
178.0-179.0	1.6	0.0	795.5	0.00	100.00
179.0-180.0	1.5	0.0	795.5	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: