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

Report No.: **Test Time: 2021/2/4 10:41**

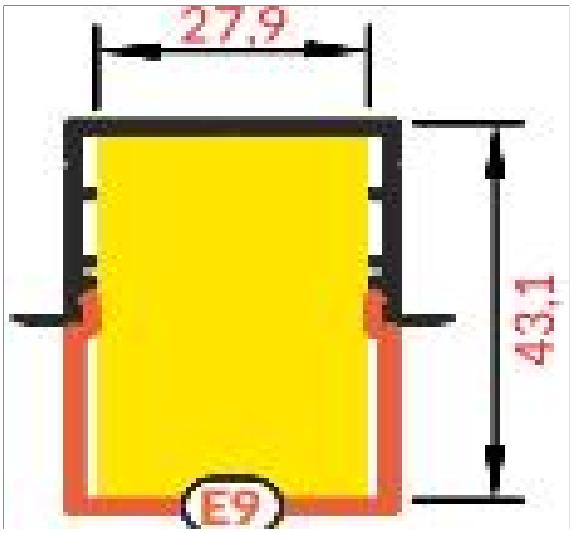
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AR25
Lamp Description: RB90SWS2203.030
Number of Lamps: 2ROW
Luminous Length (mm): 500
Luminous Width (mm): 44.4
Luminous Height (mm): 43.1
Voltage: 24.0 V
Current: 0.435 A
Power: 10.45 W
Power Factor: 1.000

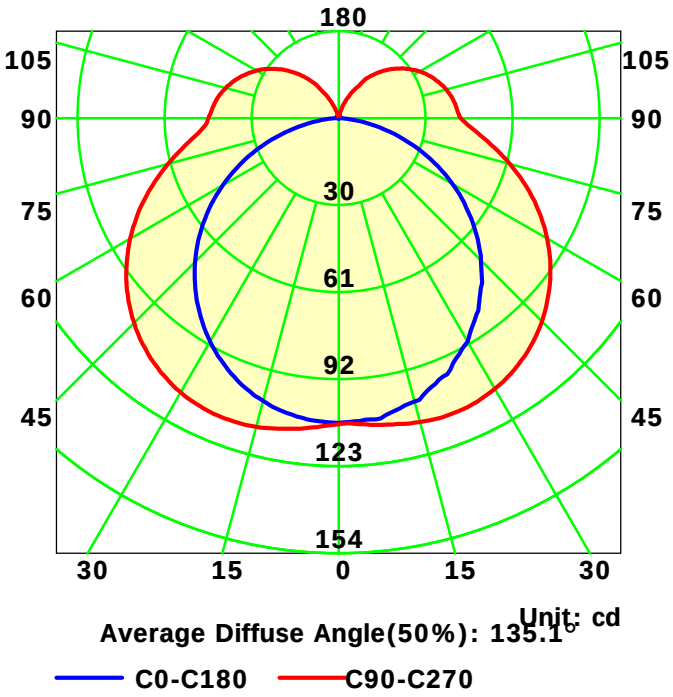
Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 535.0 lm
Measurement Flux: 535 lm
Efficiency: 100%
Downward Ratio: 81%
Upward Ratio: 19%
Horizontal Diffuse Angle(10%,50%): H159.7,H112
Vertical Diffuse Angle(10%,50%): V300,V158.1
Luminaire Efficacy Rating (LER): 51
Central Intensity: 107.9 cd
Max. Intensity: 113.8 cd
Pos of Max. Intensity: H270 V21

Picture Of Luminaire



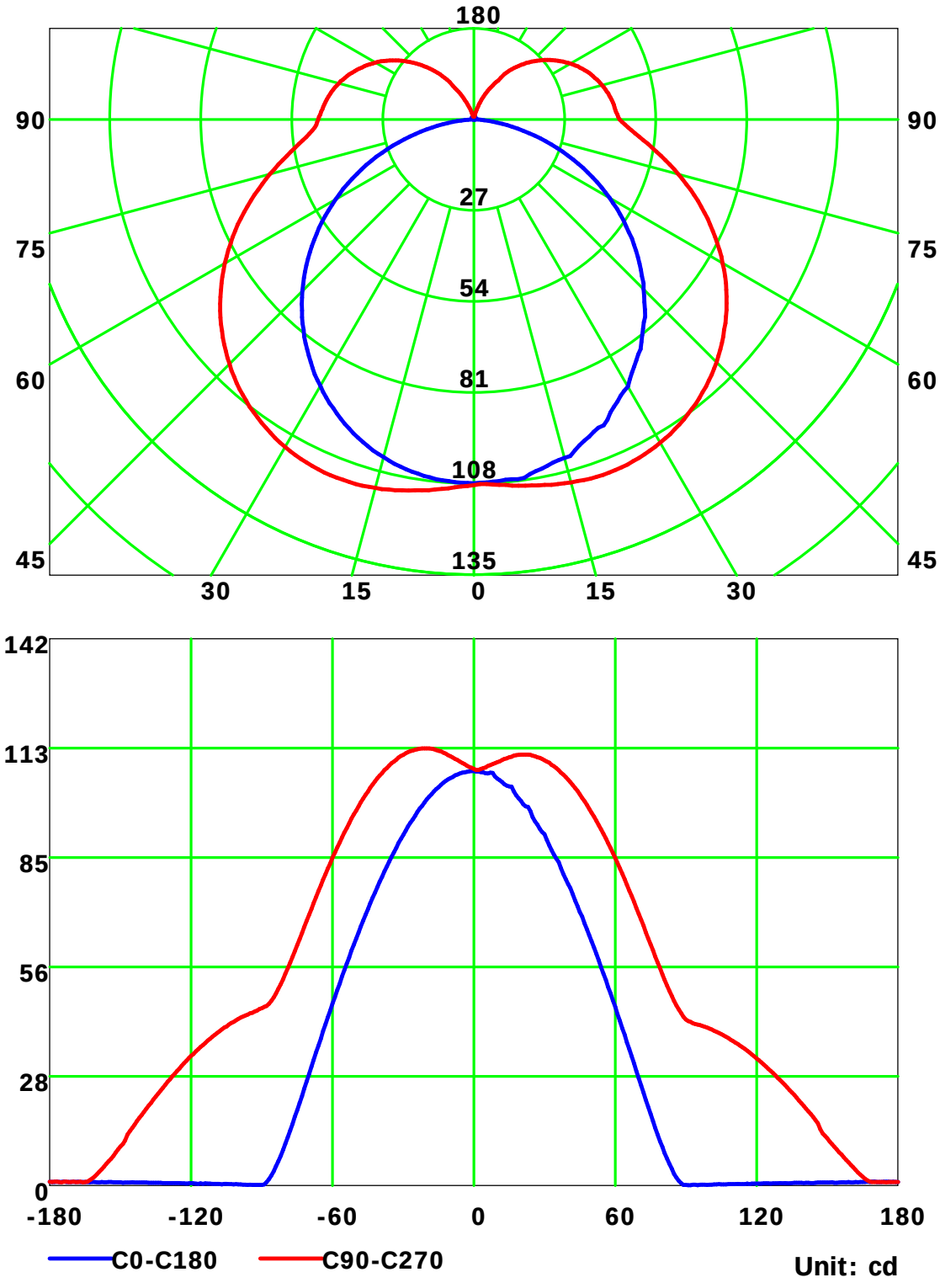
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 135.1°
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:

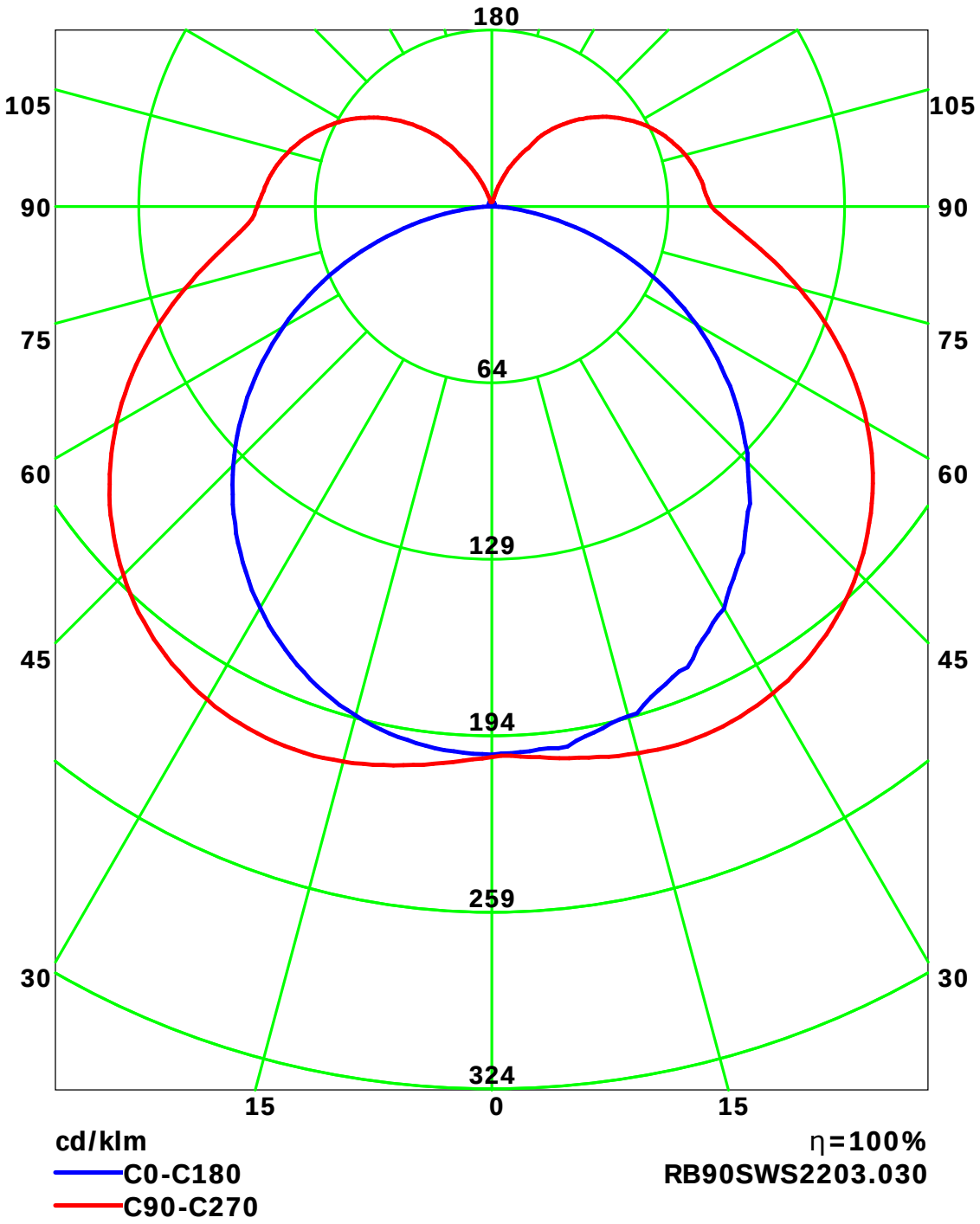
Luminous Intensity Distribution Curve



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

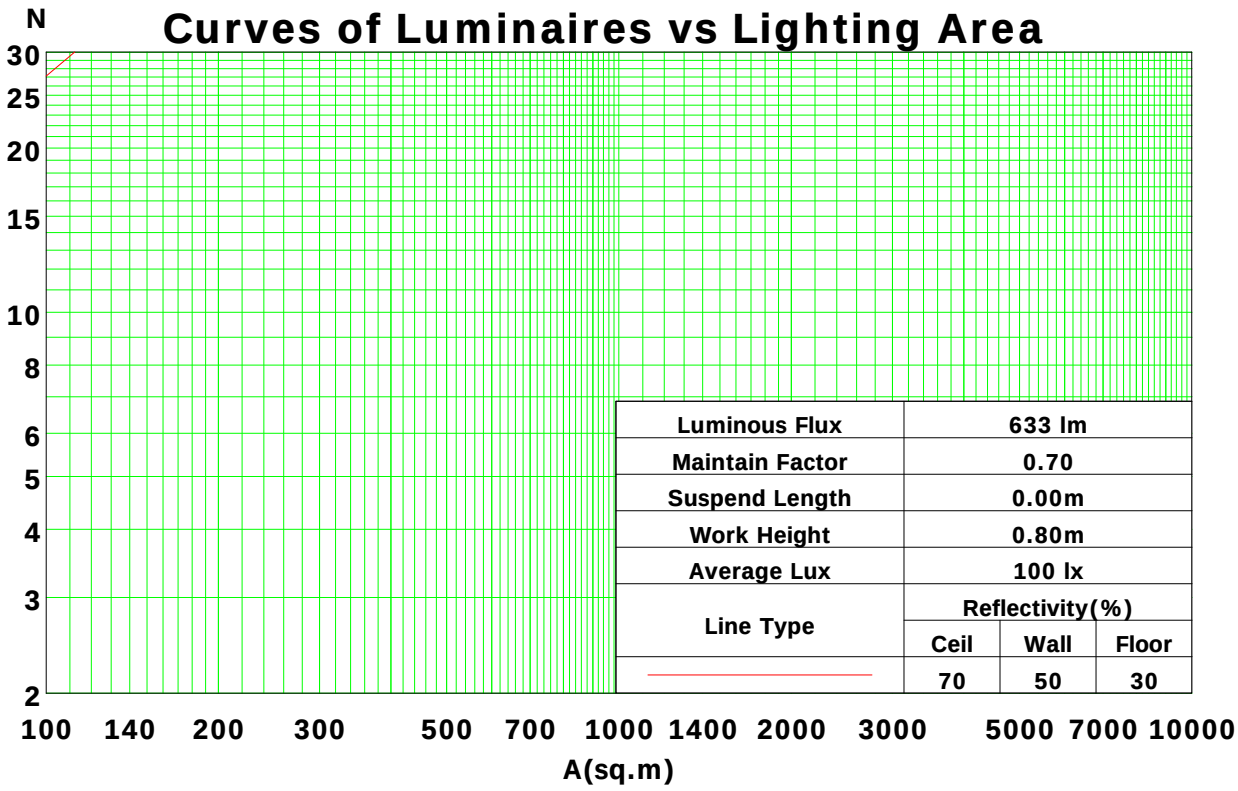
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	109	109	109	109	100	100	100	92	92	92	84	84	84	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	92	82	75	68	87	79	72	66	72	66	61	66	61	57	60	56	53	50
3	83	71	63	55	79	68	60	54	62	56	50	57	52	47	52	48	44	41
4	75	63	53	46	71	60	51	45	55	48	42	50	44	39	46	41	37	34
5	69	56	46	39	65	53	45	38	49	41	36	45	39	34	41	36	32	29
6	63	50	40	34	60	48	39	33	44	36	31	40	34	29	37	32	27	25
7	59	45	36	29	56	43	35	29	40	32	27	37	30	26	34	28	24	22
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	19
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	28	23	19	17
10	47	34	26	21	45	33	25	20	30	24	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.53
Spacing Criteria (Diagonal): 1.55

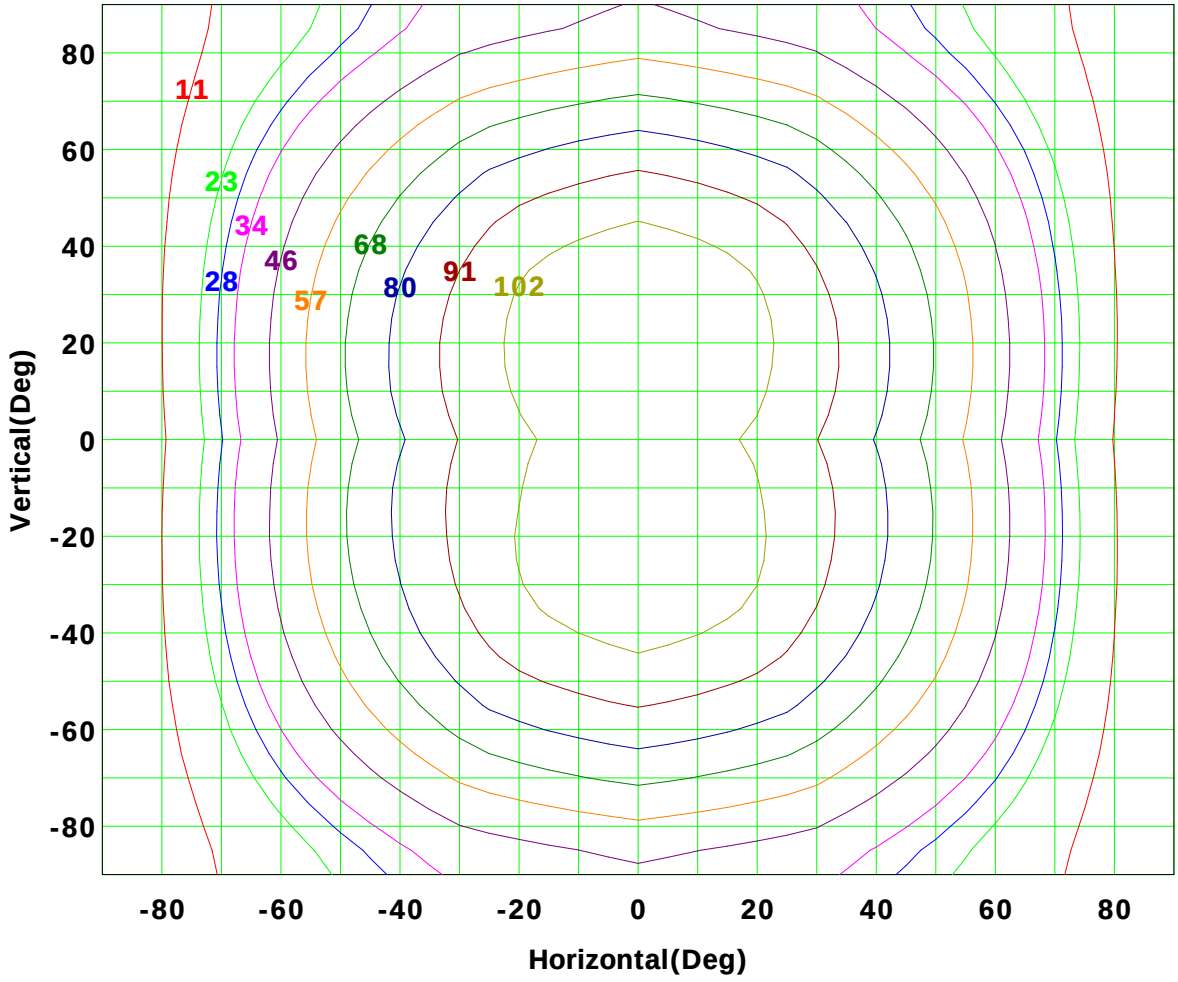
Curves of Luminaires vs Lighting Area



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)



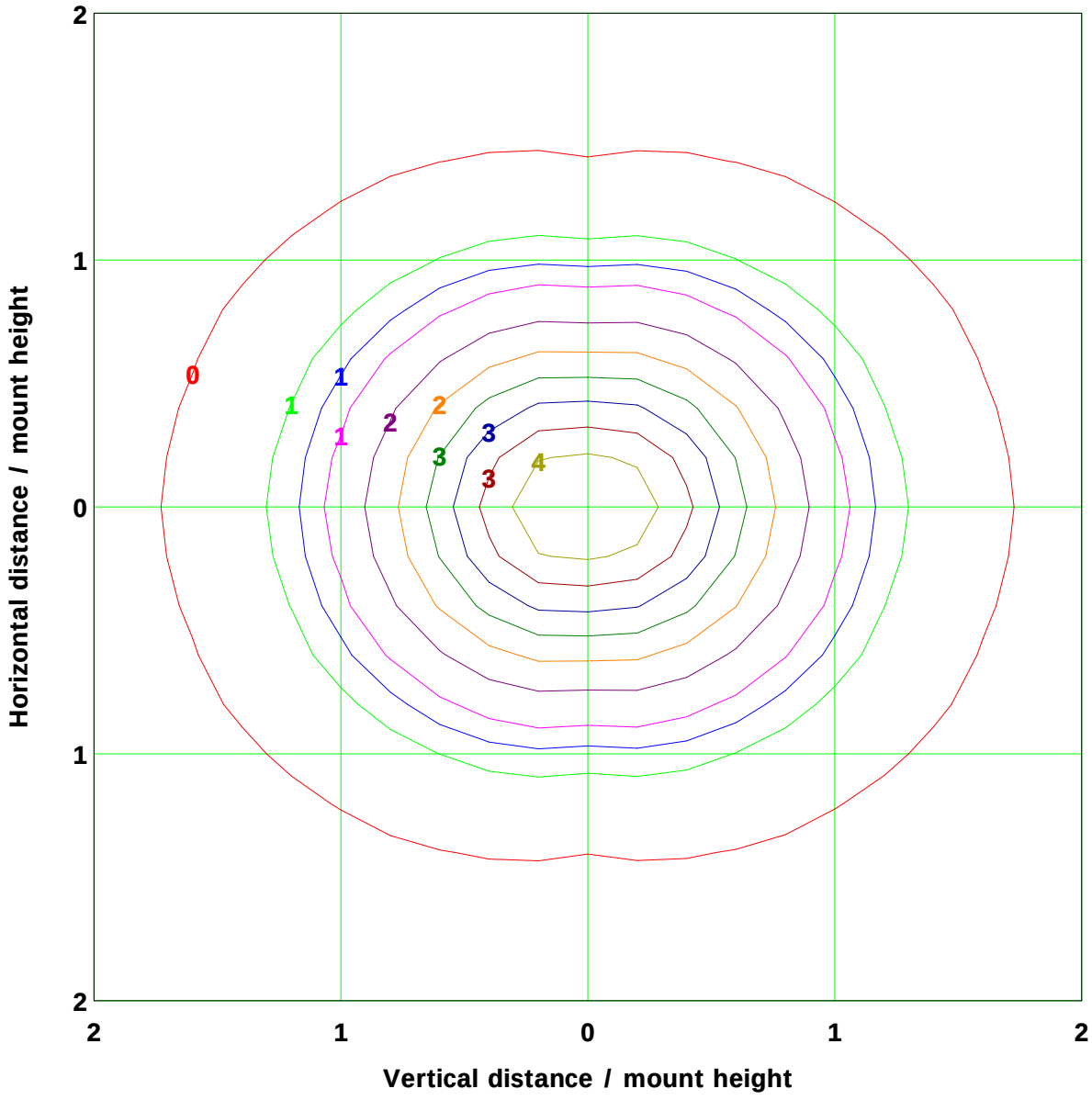
Imax (100%): 114 cd

(10%):	11 cd	(20%):	23 cd
(25%):	28 cd	(30%):	34 cd
(40%):	46 cd	(50%):	57 cd
(60%):	68 cd	(70%):	80 cd
(80%):	91 cd	(90%):	102 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%): 4.4 lx

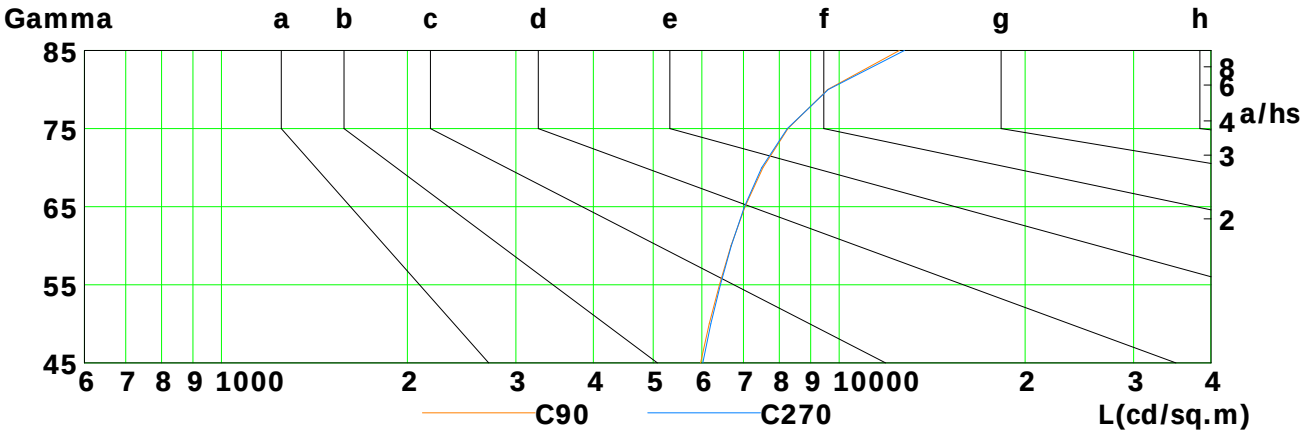
(10%): 0.4 lx	(20%): 0.9 lx
(25%): 1.1 lx	(30%): 1.3 lx
(40%): 1.7 lx	(50%): 2.2 lx
(60%): 2.6 lx	(70%): 3.0 lx
(80%): 3.5 lx	(90%): 3.9 lx

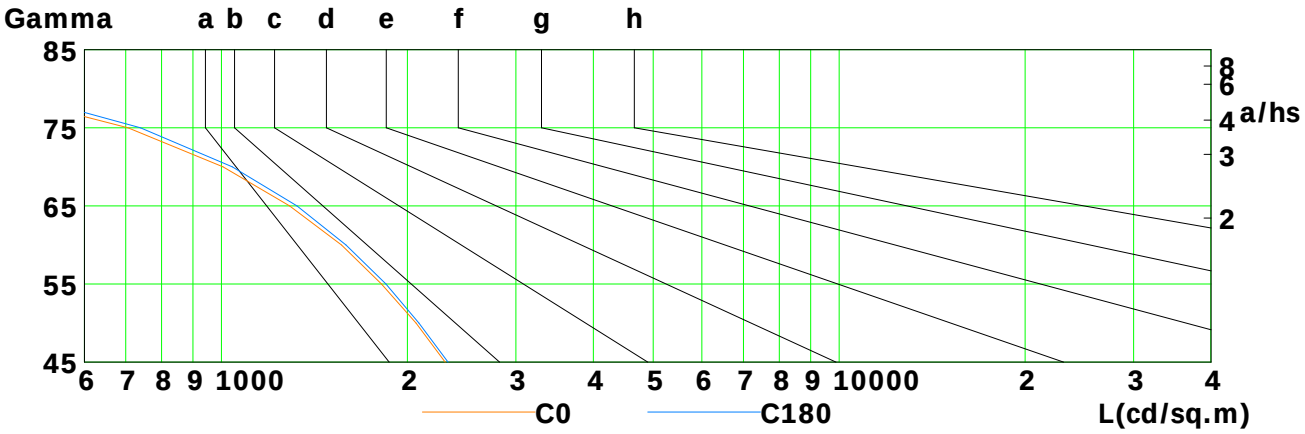
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



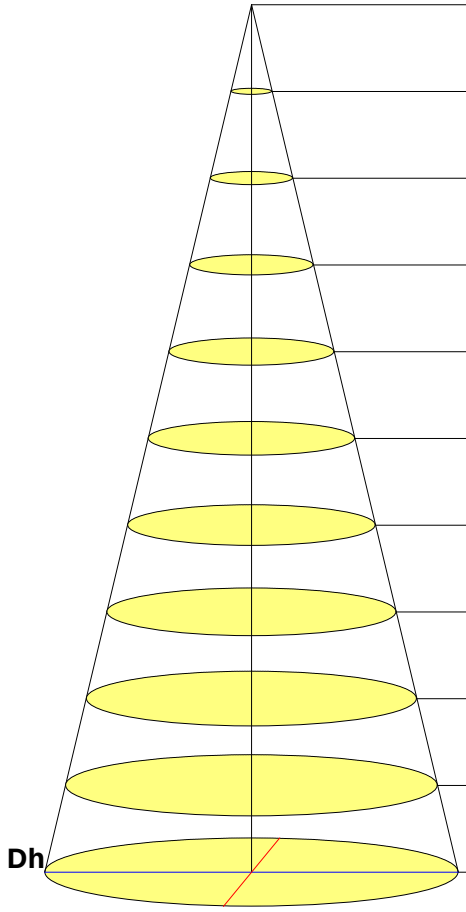


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2303	2065	1816	1565	1290	1006	706	403	133
C90	5972	6164	6402	6681	7041	7534	8271	9583	12525
C180	2327	2088	1847	1592	1325	1042	740	437	164
C270	6016	6201	6424	6691	7032	7500	8246	9609	12764

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



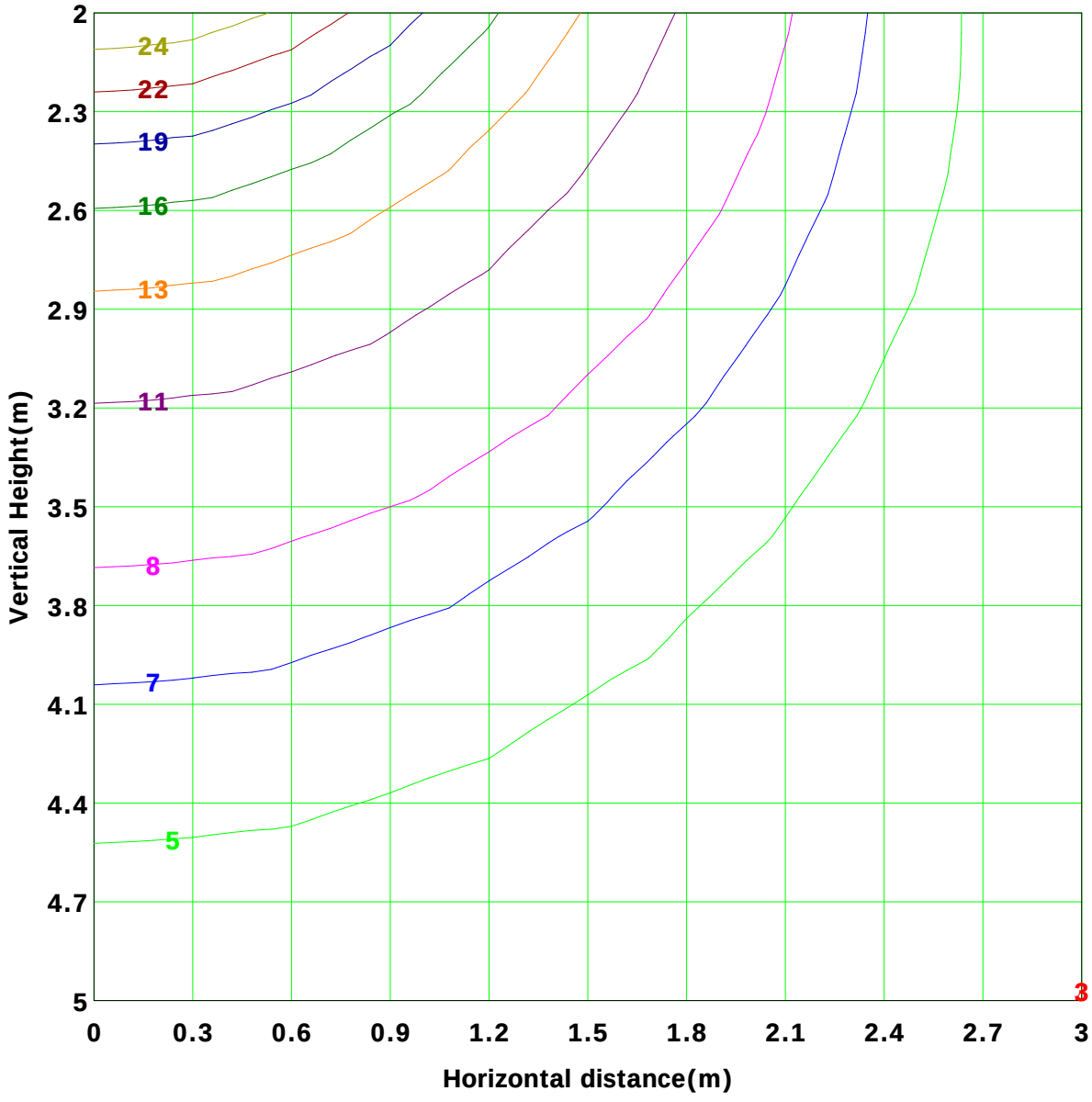
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	107.90	2.97/10.34	33.7	5.30
2.0	26.98	5.94/20.69	134.6	1.33
3.0	11.99	8.90/31.03	302.9	0.59
4.0	6.74	11.87/41.37	538.5	0.33
5.0	4.32	14.84/51.72	841.4	0.21
6.0	3.00	17.81/62.06	1211.6	0.15
7.0	2.20	20.77/72.40	1649.1	0.11
8.0	1.69	23.74/82.75	2153.9	0.08
9.0	1.33	26.71/93.09	2726.1	0.07
10.0	1.08	29.68/103.44	3365.5	0.05

Beam Angle(B): H112.0 V158.1 Field Angle(F): H159.7 V300.0

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: 27.0 lx

(10%): 2.7 lx	(20%): 5.4 lx
(25%): 6.7 lx	(30%): 8.1 lx
(40%): 10.8 lx	(50%): 13.5 lx
(60%): 16.2 lx	(70%): 18.9 lx
(80%): 21.6 lx	(90%): 24.3 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:

Area Flux Table

Unit: lm

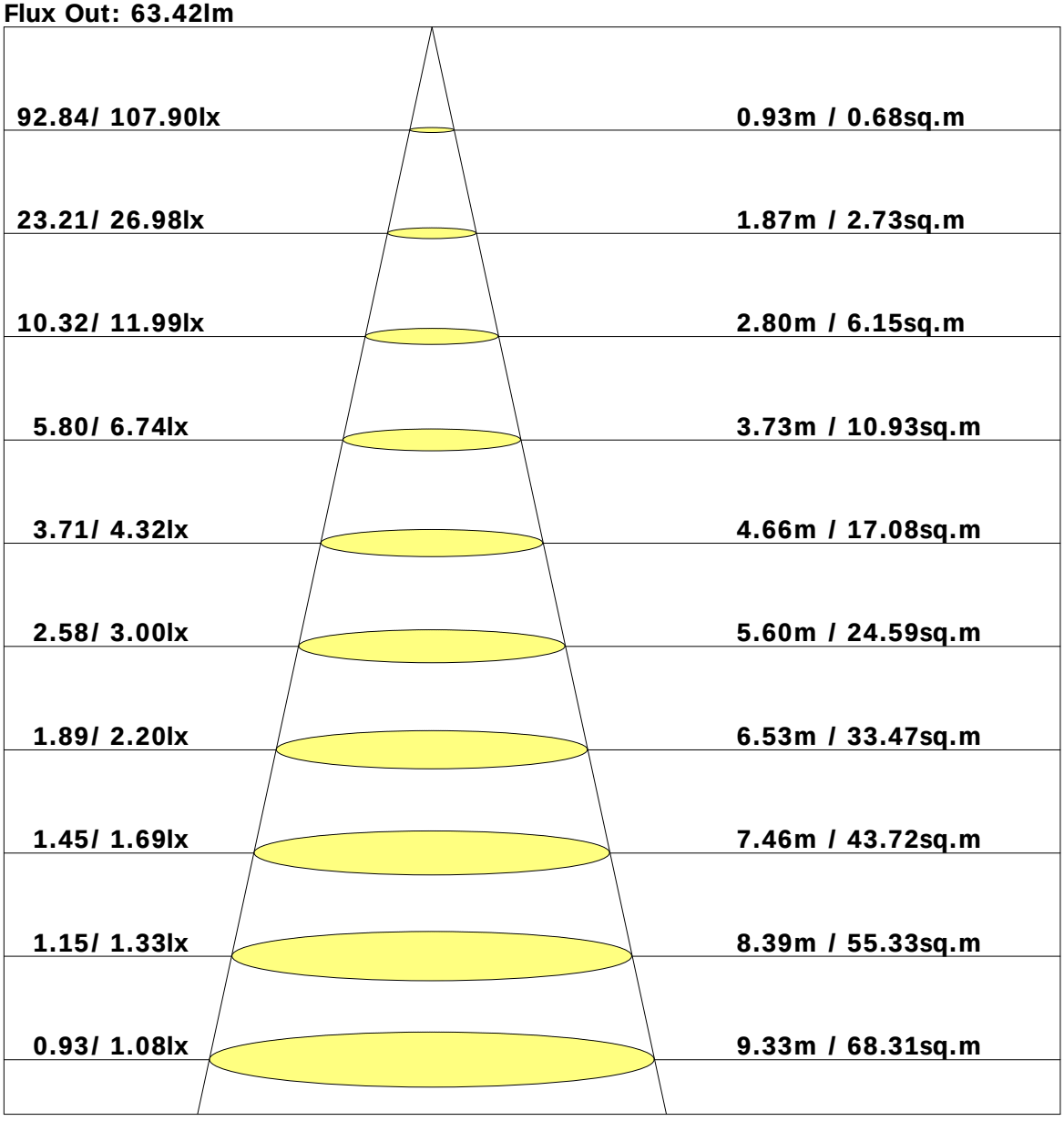
Horizontal plane	Vertical plane																									Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.1	0.2	0.4	0.7	0.9	1.2	1.3	1.5	1.5	1.5	1.3	1.2	0.9	0.7	0.4	0.2	0.1	0.0	12.6	12.5	0.3	0.0
-80	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.9	1.9	1.9	1.7	1.5	1.2	0.8	0.5	0.3	0.1	0.0	15.9	15.8	0.1	2.3
-70	0.0	0.2	0.4	0.7	1.1	1.5	1.9	2.1	2.3	2.3	2.3	2.1	1.9	1.5	1.0	0.6	0.3	0.1	0.0	19.9	19.9	0.2	7.5
-60	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.5	2.7	2.7	2.7	2.5	2.2	1.7	1.2	0.8	0.4	0.1	0.0	23.7	23.6	0.3	14.7
-50	0.0	0.5	0.9	1.4	2.0	2.5	2.9	3.1	3.3	3.3	3.3	3.1	2.8	2.5	2.0	1.4	0.9	0.4	0.1	26.6	26.6	0.4	23.3
-40	0.0	0.5	1.0	1.5	2.1	2.7	3.1	3.3	3.4	3.4	3.4	3.3	3.1	2.7	2.1	1.5	1.0	0.5	0.2	28.6	28.6	0.4	32.2
-30	0.0	0.6	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.7	29.7	0.5	40.2
-20	0.0	0.6	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.8	29.8	0.5	46.1
-10	0.0	0.6	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.1	29.1	0.5	49.5
0	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.0	28.9	0.5	49.4
10	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.5	29.5	0.5	45.9
20	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.4	29.4	0.5	40.0
30	0.0	0.6	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.7	29.7	0.5	31.9
40	0.0	0.6	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.8	29.8	0.5	22.9
50	0.0	0.6	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.4	3.4	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	29.1	29.1	0.5	14.4
60	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.0	28.9	0.5	7.3
70	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.5	29.5	0.5	2.1
80	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.4	29.4	0.5	0.0
90	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.7	29.7	0.5	
Flux(T)	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.7	29.7	0.5	431
Flux(E)	0.0	0.6	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0	29.7	29.7	0.5	430

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: 63.42lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	92.84/ 107.90lx		0.93m / 0.68sq.m
2.0m	23.21/ 26.98lx		1.87m / 2.73sq.m
3.0m	10.32/ 11.99lx		2.80m / 6.15sq.m
4.0m	5.80/ 6.74lx		3.73m / 10.93sq.m
5.0m	3.71/ 4.32lx		4.66m / 17.08sq.m
6.0m	2.58/ 3.00lx		5.60m / 24.59sq.m
7.0m	1.89/ 2.20lx		6.53m / 33.47sq.m
8.0m	1.45/ 1.69lx		7.46m / 43.72sq.m
9.0m	1.15/ 1.33lx		8.39m / 55.33sq.m
10.0m	0.93/ 1.08lx		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	16.3	17.6	16.9	18.3	19.0	17.1	18.5	17.8	19.1	19.9
3H	18.0	19.2	18.6	19.9	20.6	19.3	20.5	19.9	21.2	22.0
4H	18.5	19.7	19.2	20.4	21.2	20.3	21.4	20.9	22.1	22.9
6H	18.9	20.0	19.6	20.7	21.5	21.2	22.2	21.8	22.9	23.7
8H	19.0	20.0	19.7	20.7	21.5	21.6	22.6	22.2	23.3	24.1
12H	19.0	20.0	19.7	20.7	21.6	21.9	22.9	22.6	23.6	24.5
X=4H Y=2H	17.0	18.2	17.7	18.9	19.7	17.7	18.9	18.4	19.5	20.3
3H	19.0	20.0	19.6	20.7	21.5	20.1	21.1	20.8	21.8	22.7
4H	19.7	20.6	20.4	21.3	22.2	21.3	22.2	21.9	22.9	23.7
6H	20.2	21.0	20.9	21.7	22.6	22.3	23.1	23.0	23.9	24.7
8H	20.3	21.1	21.0	21.8	22.7	22.8	23.6	23.5	24.3	25.2
12H	20.4	21.1	21.1	21.9	22.7	23.3	24.0	24.0	24.7	25.6
X=8H Y=4H	20.2	21.0	20.9	21.7	22.6	21.6	22.3	22.3	23.1	23.9
6H	20.9	21.5	21.6	22.3	23.2	22.8	23.5	23.6	24.2	25.1
8H	21.2	21.7	21.9	22.5	23.4	23.5	24.0	24.2	24.8	25.7
12H	21.3	21.9	22.1	22.6	23.6	24.1	24.6	24.9	25.4	26.3
X=12H Y=4H	20.3	21.0	21.0	21.8	22.6	21.6	22.3	22.3	23.0	23.9
6H	21.1	21.7	21.9	22.4	23.4	22.9	23.5	23.7	24.2	25.2
8H	21.4	22.0	22.2	22.7	23.7	23.6	24.1	24.4	24.9	25.8

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	0.57	0.64	0.69	0.77	0.82	0.85	0.90	0.93
	0.30		0.41	0.49	0.56	0.62	0.70	0.75	0.79	0.85	0.89
	0.20		0.35	0.43	0.50	0.56	0.64	0.70	0.74	0.81	0.85
0.50	0.50	0.20	0.46	0.53	0.59	0.64	0.70	0.75	0.78	0.82	0.85
	0.30		0.39	0.46	0.53	0.58	0.65	0.70	0.73	0.78	0.82
	0.20		0.34	0.41	0.48	0.52	0.60	0.65	0.69	0.75	0.79
0.30	0.50	0.20	0.42	0.49	0.55	0.59	0.65	0.69	0.72	0.76	0.78
	0.30		0.37	0.43	0.49	0.54	0.60	0.65	0.68	0.72	0.76
	0.20		0.32	0.38	0.45	0.49	0.56	0.61	0.65	0.70	0.73
0.00	0.00	0.00	0.28	0.34	0.39	0.43	0.49	0.54	0.57	0.61	0.64

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	1.00	0.87	0.75	0.66	0.54	0.46	0.40	0.32	0.26
	0.30		0.84	0.74	0.65	0.59	0.49	0.42	0.37	0.30	0.25
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.34	0.28	0.24
0.50	0.50	0.20	0.93	0.80	0.69	0.61	0.50	0.45	0.37	0.29	0.24
	0.30		0.79	0.69	0.61	0.55	0.46	0.39	0.35	0.28	0.23
	0.20		0.68	0.61	0.55	0.50	0.42	0.37	0.32	0.27	0.22
0.30	0.50	0.20	0.86	0.74	0.64	0.56	0.46	0.39	0.34	0.27	0.23
	0.30		0.74	0.65	0.57	0.51	0.43	0.37	0.32	0.26	0.22
	0.20		0.65	0.58	0.52	0.47	0.40	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	0.20	0.17

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	0.35	0.37	0.38	0.38	0.39	0.40	0.40	0.40	0.41
	0.30		0.28	0.30	0.31	0.32	0.34	0.35	0.36	0.37	0.37
	0.20		0.24	0.25	0.26	0.27	0.29	0.31	0.32	0.33	0.35
0.50	0.50	0.20	0.34	0.35	0.36	0.37	0.38	0.38	0.38	0.39	0.39
	0.30		0.28	0.29	0.30	0.31	0.33	0.34	0.34	0.35	0.36
	0.20		0.23	0.25	0.26	0.27	0.29	0.30	0.31	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	0.29	0.30	0.30	0.32	0.33	0.33	0.34	0.35
	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: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	108.3	0.1	0.1	0.02	0.02
1.0-2.0	108.3	0.3	0.4	0.06	0.08
2.0-3.0	108.4	0.5	0.9	0.10	0.17
3.0-4.0	108.5	0.7	1.7	0.14	0.31
4.0-5.0	108.6	0.9	2.6	0.17	0.48
5.0-6.0	108.6	1.1	3.7	0.21	0.70
6.0-7.0	108.8	1.4	5.1	0.25	0.95
7.0-8.0	108.9	1.6	6.6	0.29	1.24
8.0-9.0	108.9	1.8	8.4	0.33	1.57
9.0-10.0	108.9	2.0	10.4	0.37	1.94
10.0-11.0	108.8	2.2	12.6	0.41	2.35
11.0-12.0	108.8	2.4	14.9	0.44	2.79
12.0-13.0	108.7	2.6	17.5	0.48	3.27
13.0-14.0	108.7	2.8	20.3	0.52	3.79
14.0-15.0	108.6	3.0	23.3	0.56	4.35
15.0-16.0	108.5	3.2	26.5	0.59	4.95
16.0-17.0	108.3	3.4	29.8	0.63	5.58
17.0-18.0	108.1	3.6	33.4	0.67	6.24
18.0-19.0	107.9	3.8	37.1	0.70	6.94
19.0-20.0	107.5	3.9	41.1	0.74	7.68
20.0-21.0	107.2	4.1	45.2	0.77	8.45
21.0-22.0	106.9	4.3	49.5	0.80	9.25
22.0-23.0	106.6	4.5	54.0	0.84	10.09
23.0-24.0	106.2	4.6	58.6	0.87	10.96
24.0-25.0	105.7	4.8	63.4	0.90	11.86
25.0-26.0	105.2	5.0	68.4	0.93	12.78
26.0-27.0	104.8	5.1	73.5	0.96	13.74
27.0-28.0	104.2	5.3	78.8	0.99	14.73
28.0-29.0	103.6	5.4	84.2	1.01	15.74
29.0-30.0	103.0	5.6	89.8	1.04	16.78
30.0-31.0	102.4	5.7	95.5	1.07	17.85
31.0-32.0	101.7	5.8	101.3	1.09	18.94
32.0-33.0	101.0	6.0	107.3	1.11	20.05
33.0-34.0	100.3	6.1	113.3	1.13	21.18
34.0-35.0	99.5	6.2	119.5	1.16	22.34
35.0-36.0	98.7	6.3	125.8	1.17	23.51

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

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

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	97.9	6.4	132.2	1.19	24.71
37.0-38.0	97.0	6.5	138.7	1.21	25.92
38.0-39.0	96.1	6.6	145.2	1.23	27.14
39.0-40.0	95.1	6.6	151.8	1.24	28.38
40.0-41.0	94.2	6.7	158.6	1.25	29.64
41.0-42.0	93.2	6.8	165.3	1.27	30.90
42.0-43.0	92.2	6.8	172.2	1.28	32.18
43.0-44.0	91.1	6.9	179.0	1.29	33.47
44.0-45.0	90.0	6.9	186.0	1.29	34.76
45.0-46.0	88.9	7.0	192.9	1.30	36.06
46.0-47.0	87.8	7.0	199.9	1.30	37.36
47.0-48.0	86.6	7.0	206.9	1.31	38.67
48.0-49.0	85.4	7.0	213.9	1.31	39.98
49.0-50.0	84.1	7.0	220.9	1.31	41.29
50.0-51.0	82.9	7.0	227.9	1.31	42.61
51.0-52.0	81.6	7.0	234.9	1.31	43.91
52.0-53.0	80.3	7.0	241.9	1.31	45.22
53.0-54.0	78.9	7.0	248.9	1.30	46.52
54.0-55.0	77.5	6.9	255.8	1.29	47.81
55.0-56.0	76.1	6.9	262.7	1.29	49.10
56.0-57.0	74.7	6.8	269.5	1.28	50.38
57.0-58.0	73.2	6.8	276.3	1.27	51.64
58.0-59.0	71.8	6.7	283.0	1.25	52.90
59.0-60.0	70.3	6.6	289.6	1.24	54.14
60.0-61.0	68.7	6.6	296.2	1.23	55.36
61.0-62.0	67.2	6.5	302.6	1.21	56.57
62.0-63.0	65.6	6.4	309.0	1.19	57.77
63.0-64.0	64.0	6.3	315.3	1.17	58.94
64.0-65.0	62.4	6.2	321.5	1.15	60.09
65.0-66.0	60.7	6.1	327.5	1.13	61.23
66.0-67.0	59.1	5.9	333.5	1.11	62.34
67.0-68.0	57.4	5.8	339.3	1.09	63.43
68.0-69.0	55.8	5.7	345.0	1.06	64.49
69.0-70.0	54.1	5.6	350.5	1.04	65.53
70.0-71.0	52.3	5.4	356.0	1.01	66.54
71.0-72.0	50.6	5.3	361.2	0.98	67.52

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	48.9	5.1	366.3	0.96	68.48
73.0-74.0	47.2	5.0	371.3	0.93	69.41
74.0-75.0	45.5	4.8	376.1	0.90	70.31
75.0-76.0	43.8	4.7	380.8	0.87	71.18
76.0-77.0	42.2	4.5	385.3	0.84	72.02
77.0-78.0	40.5	4.3	389.6	0.81	72.83
78.0-79.0	38.9	4.2	393.8	0.78	73.61
79.0-80.0	37.3	4.0	397.8	0.75	74.36
80.0-81.0	35.8	3.9	401.7	0.72	75.09
81.0-82.0	34.3	3.7	405.4	0.70	75.78
82.0-83.0	32.9	3.6	409.0	0.67	76.45
83.0-84.0	31.6	3.4	412.4	0.64	77.10
84.0-85.0	30.3	3.3	415.7	0.62	77.71
85.0-86.0	29.2	3.2	418.9	0.60	78.31
86.0-87.0	28.2	3.1	422.0	0.58	78.89
87.0-88.0	27.4	3.0	425.0	0.56	79.45
88.0-89.0	26.7	2.9	427.9	0.55	80.00
89.0-90.0	26.2	2.9	430.8	0.54	80.53
90.0-91.0	25.9	2.8	433.7	0.53	81.07
91.0-92.0	25.7	2.8	436.5	0.53	81.59
92.0-93.0	25.6	2.8	439.3	0.52	82.12
93.0-94.0	25.4	2.8	442.1	0.52	82.64
94.0-95.0	25.3	2.8	444.8	0.52	83.15
95.0-96.0	25.1	2.7	447.6	0.51	83.66
96.0-97.0	25.0	2.7	450.3	0.51	84.17
97.0-98.0	24.8	2.7	453.0	0.50	84.68
98.0-99.0	24.6	2.7	455.7	0.50	85.18
99.0-100.0	24.5	2.6	458.3	0.49	85.67
100.0-101.0	24.3	2.6	460.9	0.49	86.16
101.0-102.0	24.1	2.6	463.5	0.48	86.64
102.0-103.0	23.8	2.6	466.1	0.48	87.12
103.0-104.0	23.6	2.5	468.6	0.47	87.59
104.0-105.0	23.4	2.5	471.1	0.46	88.06
105.0-106.0	23.1	2.4	473.5	0.46	88.51
106.0-107.0	22.9	2.4	475.9	0.45	88.96
107.0-108.0	22.6	2.4	478.3	0.44	89.40

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	22.4	2.3	480.6	0.43	89.84
109.0-110.0	22.1	2.3	482.9	0.43	90.27
110.0-111.0	21.8	2.2	485.1	0.42	90.68
111.0-112.0	21.5	2.2	487.3	0.41	91.10
112.0-113.0	21.2	2.1	489.5	0.40	91.50
113.0-114.0	20.9	2.1	491.6	0.39	91.89
114.0-115.0	20.6	2.1	493.6	0.38	92.27
115.0-116.0	20.2	2.0	495.6	0.37	92.65
116.0-117.0	19.9	2.0	497.6	0.37	93.01
117.0-118.0	19.6	1.9	499.5	0.36	93.37
118.0-119.0	19.2	1.9	501.3	0.35	93.71
119.0-120.0	18.9	1.8	503.1	0.34	94.05
120.0-121.0	18.5	1.8	504.9	0.33	94.38
121.0-122.0	18.2	1.7	506.6	0.32	94.70
122.0-123.0	17.8	1.6	508.2	0.31	95.00
123.0-124.0	17.4	1.6	509.8	0.30	95.30
124.0-125.0	17.0	1.5	511.4	0.29	95.59
125.0-126.0	16.6	1.5	512.8	0.28	95.86
126.0-127.0	16.2	1.4	514.3	0.27	96.13
127.0-128.0	15.8	1.4	515.6	0.26	96.39
128.0-129.0	15.3	1.3	517.0	0.25	96.63
129.0-130.0	14.9	1.3	518.2	0.24	96.87
130.0-131.0	14.4	1.2	519.4	0.23	97.09
131.0-132.0	14.0	1.1	520.6	0.21	97.31
132.0-133.0	13.5	1.1	521.7	0.20	97.51
133.0-134.0	13.1	1.0	522.7	0.19	97.71
134.0-135.0	12.6	1.0	523.7	0.18	97.89
135.0-136.0	12.2	0.9	524.6	0.18	98.07
136.0-137.0	11.7	0.9	525.5	0.17	98.23
137.0-138.0	11.3	0.8	526.3	0.16	98.39
138.0-139.0	10.8	0.8	527.1	0.15	98.54
139.0-140.0	10.4	0.7	527.9	0.14	98.67
140.0-141.0	9.9	0.7	528.6	0.13	98.80
141.0-142.0	9.5	0.6	529.2	0.12	98.92
142.0-143.0	9.0	0.6	529.8	0.11	99.04
143.0-144.0	8.4	0.5	530.4	0.10	99.14

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	7.8	0.5	530.9	0.09	99.23
145.0-146.0	7.4	0.5	531.3	0.09	99.32
146.0-147.0	6.9	0.4	531.7	0.08	99.40
147.0-148.0	6.4	0.4	532.1	0.07	99.47
148.0-149.0	5.9	0.3	532.5	0.06	99.53
149.0-150.0	5.5	0.3	532.8	0.06	99.59
150.0-151.0	5.1	0.3	533.0	0.05	99.64
151.0-152.0	4.8	0.2	533.3	0.05	99.69
152.0-153.0	4.4	0.2	533.5	0.04	99.73
153.0-154.0	4.1	0.2	533.7	0.04	99.77
154.0-155.0	3.7	0.2	533.9	0.03	99.80
155.0-156.0	3.4	0.2	534.0	0.03	99.83
156.0-157.0	3.1	0.1	534.2	0.03	99.85
157.0-158.0	2.8	0.1	534.3	0.02	99.87
158.0-159.0	2.5	0.1	534.4	0.02	99.89
159.0-160.0	2.2	0.1	534.5	0.02	99.91
160.0-161.0	2.0	0.1	534.6	0.01	99.92
161.0-162.0	1.7	0.1	534.6	0.01	99.93
162.0-163.0	1.5	0.1	534.7	0.01	99.94
163.0-164.0	1.4	0.0	534.7	0.01	99.95
164.0-165.0	1.2	0.0	534.7	0.01	99.96
165.0-166.0	1.1	0.0	534.8	0.01	99.96
166.0-167.0	1.1	0.0	534.8	0.01	99.97
167.0-168.0	1.0	0.0	534.8	0.00	99.97
168.0-169.0	1.0	0.0	534.8	0.00	99.98
169.0-170.0	1.0	0.0	534.9	0.00	99.98
170.0-171.0	1.0	0.0	534.9	0.00	99.98
171.0-172.0	1.0	0.0	534.9	0.00	99.99
172.0-173.0	1.0	0.0	534.9	0.00	99.99
173.0-174.0	1.0	0.0	534.9	0.00	99.99
174.0-175.0	1.0	0.0	534.9	0.00	100.00
175.0-176.0	1.0	0.0	534.9	0.00	100.00
176.0-177.0	1.0	0.0	535.0	0.00	100.00
177.0-178.0	1.1	0.0	535.0	0.00	100.00
178.0-179.0	1.1	0.0	535.0	0.00	100.00
179.0-180.0	1.1	0.0	535.0	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: