ACOLYTE
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Report No.: **Test Time: 2021/2/24 16:12**

Luminaire Property

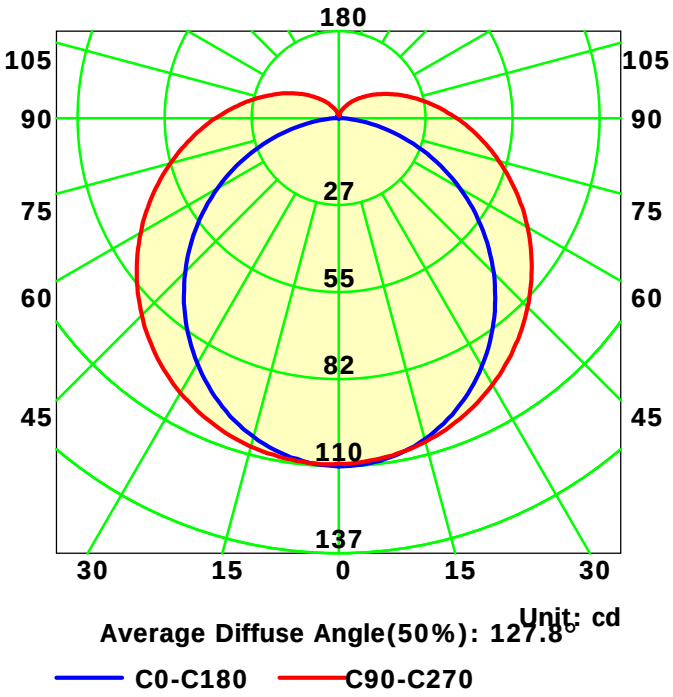
Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: B2
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 1 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 20
Luminous Height (mm): 12
Voltage: 24.0 V
Current: 0.216 A
Power: 5.17 W
Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct
Total Rated Lamp Lumens: 432.6 lm
Measurement Flux: 432.6 lm
Efficiency: 100%
Downward Ratio: 87%
Upward Ratio: 13%
Horizontal Diffuse Angle(10%,50%): H159.4,H107.3
Vertical Diffuse Angle(10%,50%): V259.1,V148.3
Luminaire Efficacy Rating (LER): 84
Central Intensity: 110.09 cd
Max. Intensity: 110.09 cd
Pos of Max. Intensity: H0 V0

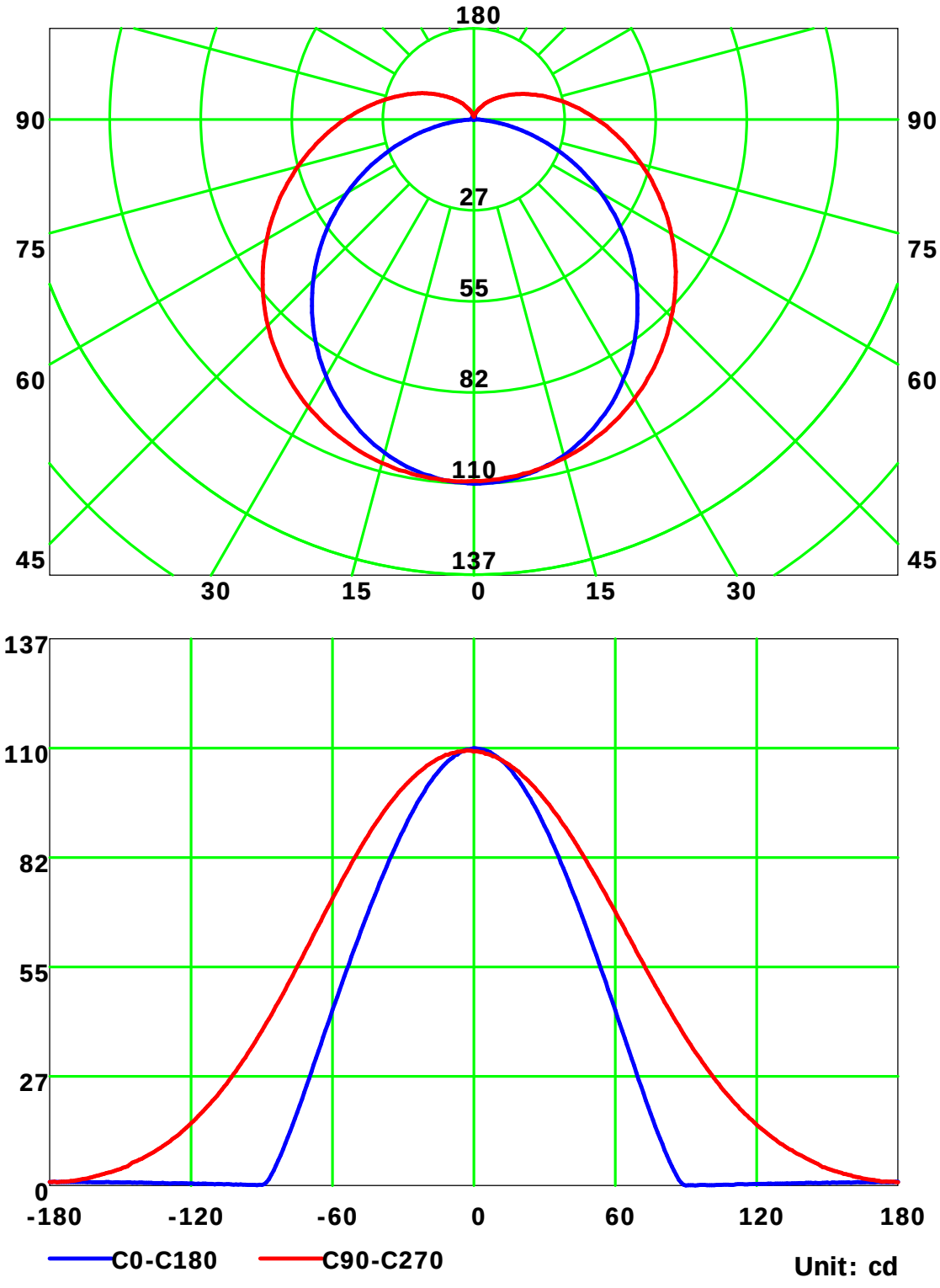
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Nick
Inspector:

Luminous Intensity Distribution Curve



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Temperature: 25
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Test Device: GPM-1800B
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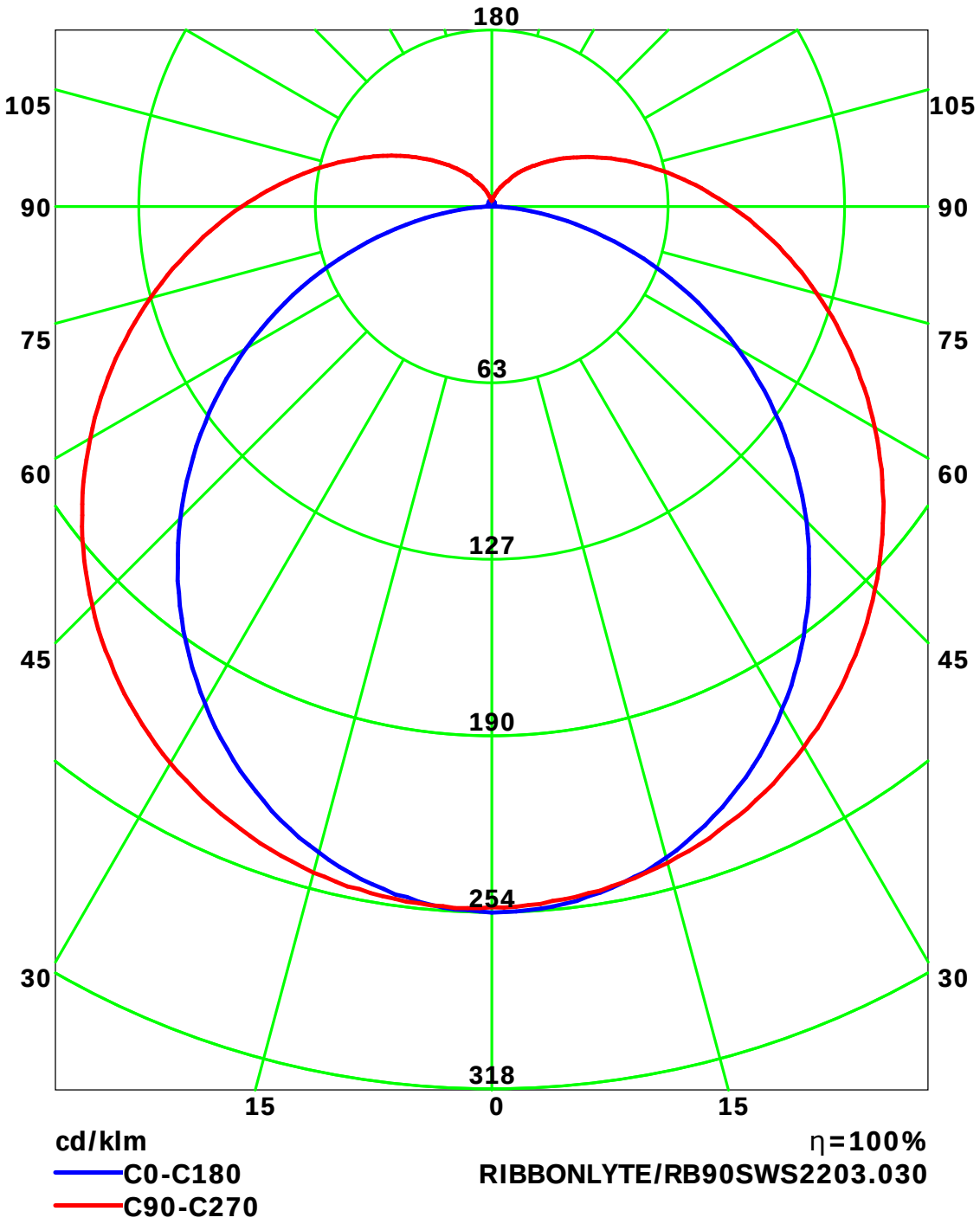
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
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Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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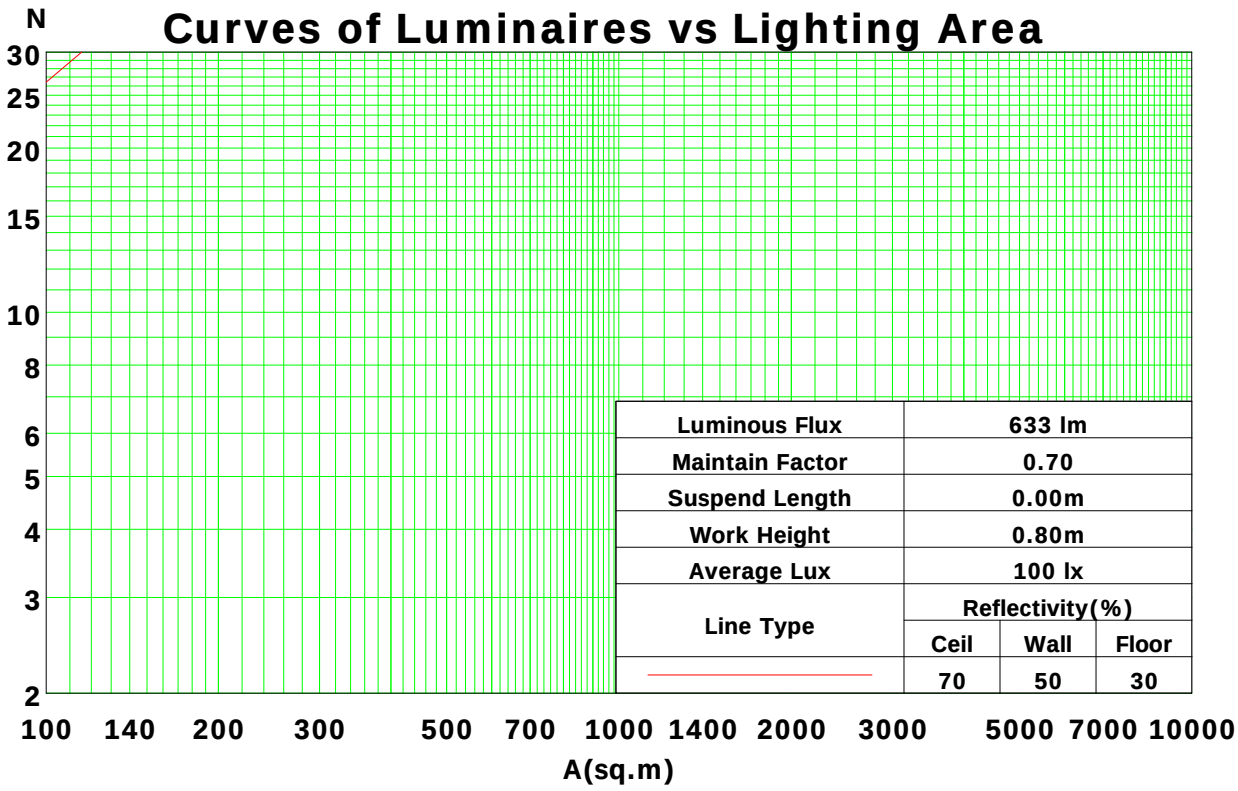
Inspector:

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87
1	103	98	92	88	99	94	89	85	87	84	80	81	78	75	76	73	71	68
2	93	84	76	70	89	81	74	68	75	69	64	70	65	61	65	61	58	55
3	84	73	64	57	81	70	62	56	65	59	53	61	55	50	57	52	48	45
4	77	64	55	48	74	62	53	47	58	50	45	54	48	43	50	45	41	38
5	71	57	48	41	67	55	46	40	51	44	38	48	42	37	45	39	35	32
6	65	51	42	35	62	49	41	34	46	39	33	43	37	32	41	35	31	28
7	60	46	37	31	58	45	36	30	42	35	29	39	33	28	37	31	27	25
8	56	42	33	27	54	41	33	27	38	31	26	36	30	25	34	28	24	22
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	29	24	20	18

Spacing Criteria (0-180): 1.22
Spacing Criteria (90-270): 1.35
Spacing Criteria (Diagonal): 1.41

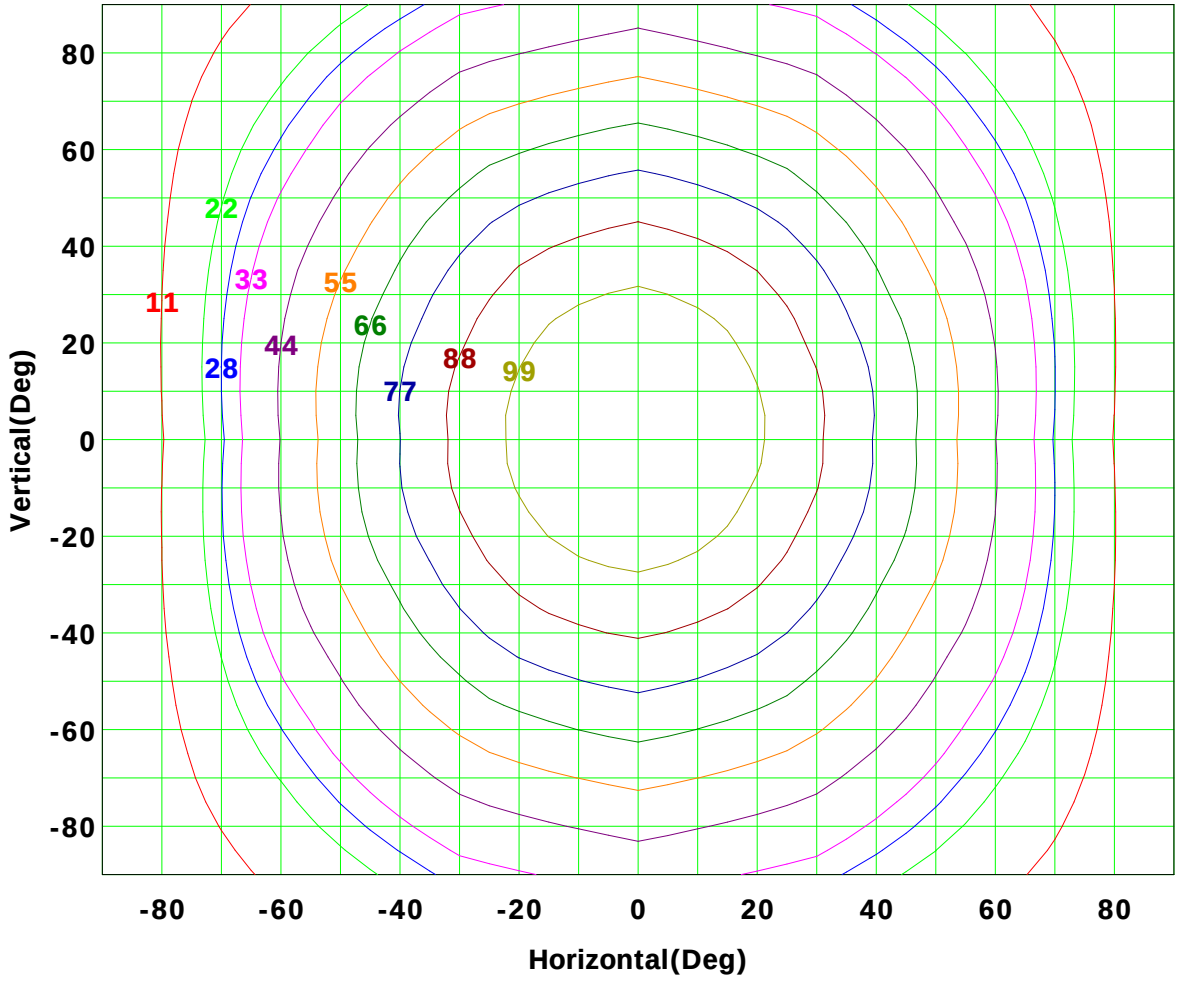
Curves of Luminaires vs Lighting Area



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)



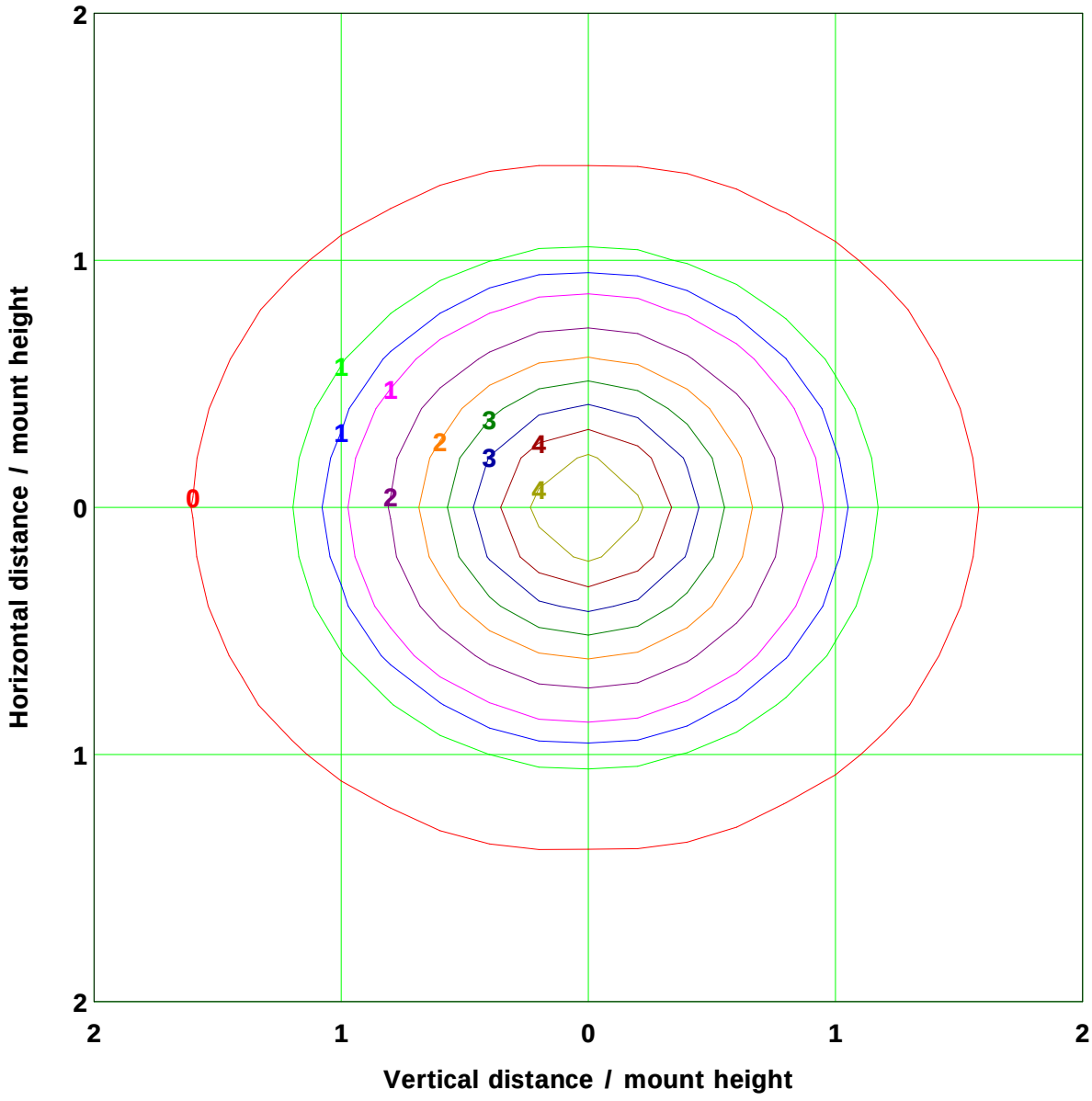
Imax (100%): 110 cd

(10%):	11 cd	(20%):	22 cd
(25%):	28 cd	(30%):	33 cd
(40%):	44 cd	(50%):	55 cd
(60%):	66 cd	(70%):	77 cd
(80%):	88 cd	(90%):	99 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

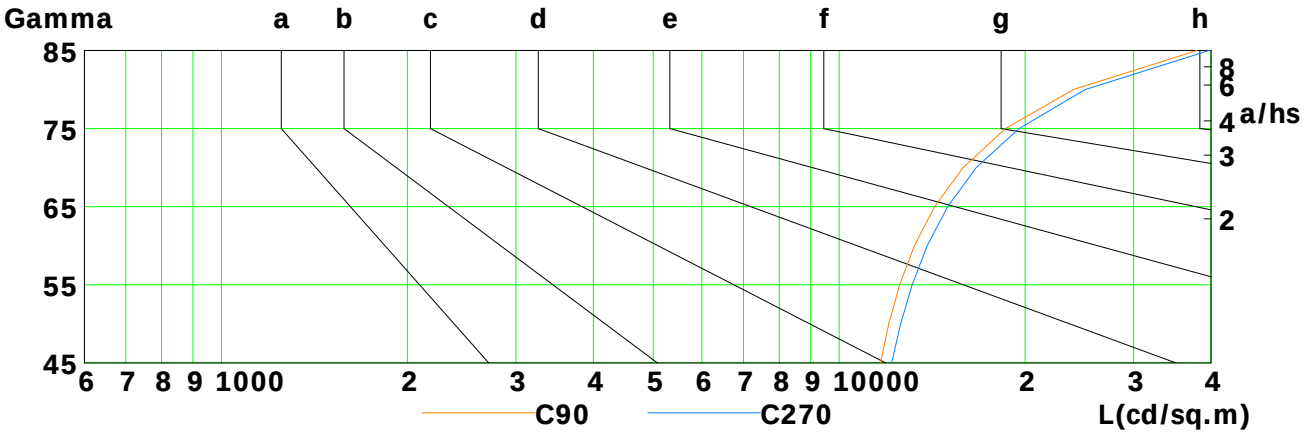
(10%): 0.4 lx	(20%): 0.9 lx
(25%): 1.1 lx	(30%): 1.3 lx
(40%): 1.8 lx	(50%): 2.2 lx
(60%): 2.6 lx	(70%): 3.1 lx
(80%): 3.5 lx	(90%): 4.0 lx

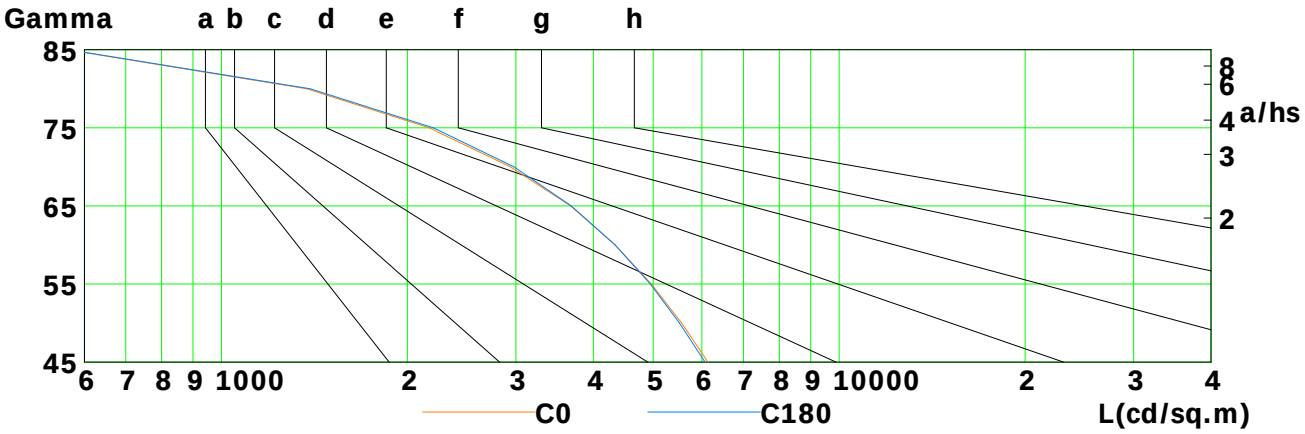
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

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	6137	5560	4968	4338	3677	2940	2171	1375	562
C90	11666	12032	12533	13243	14270	15882	18606	23960	37969
C180	6071	5519	4949	4343	3688	2978	2204	1393	569
C270	12169	12576	13133	13885	14994	16677	19553	25045	39743

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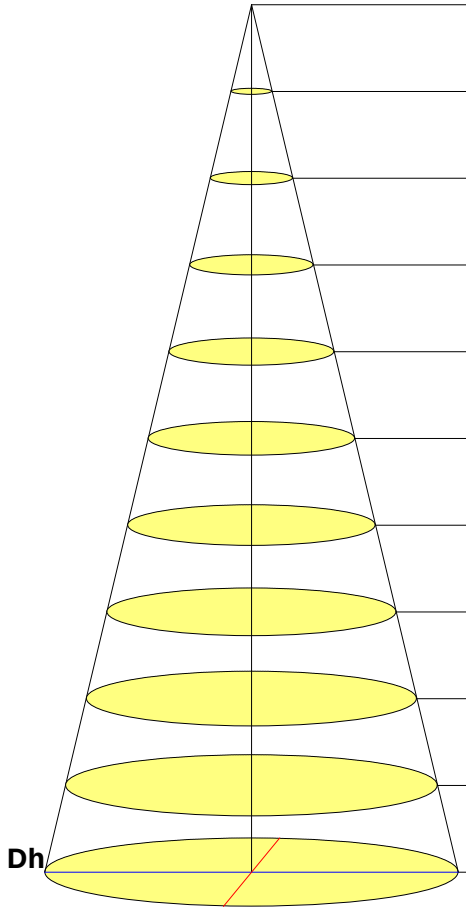
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Illuminance at a Distance



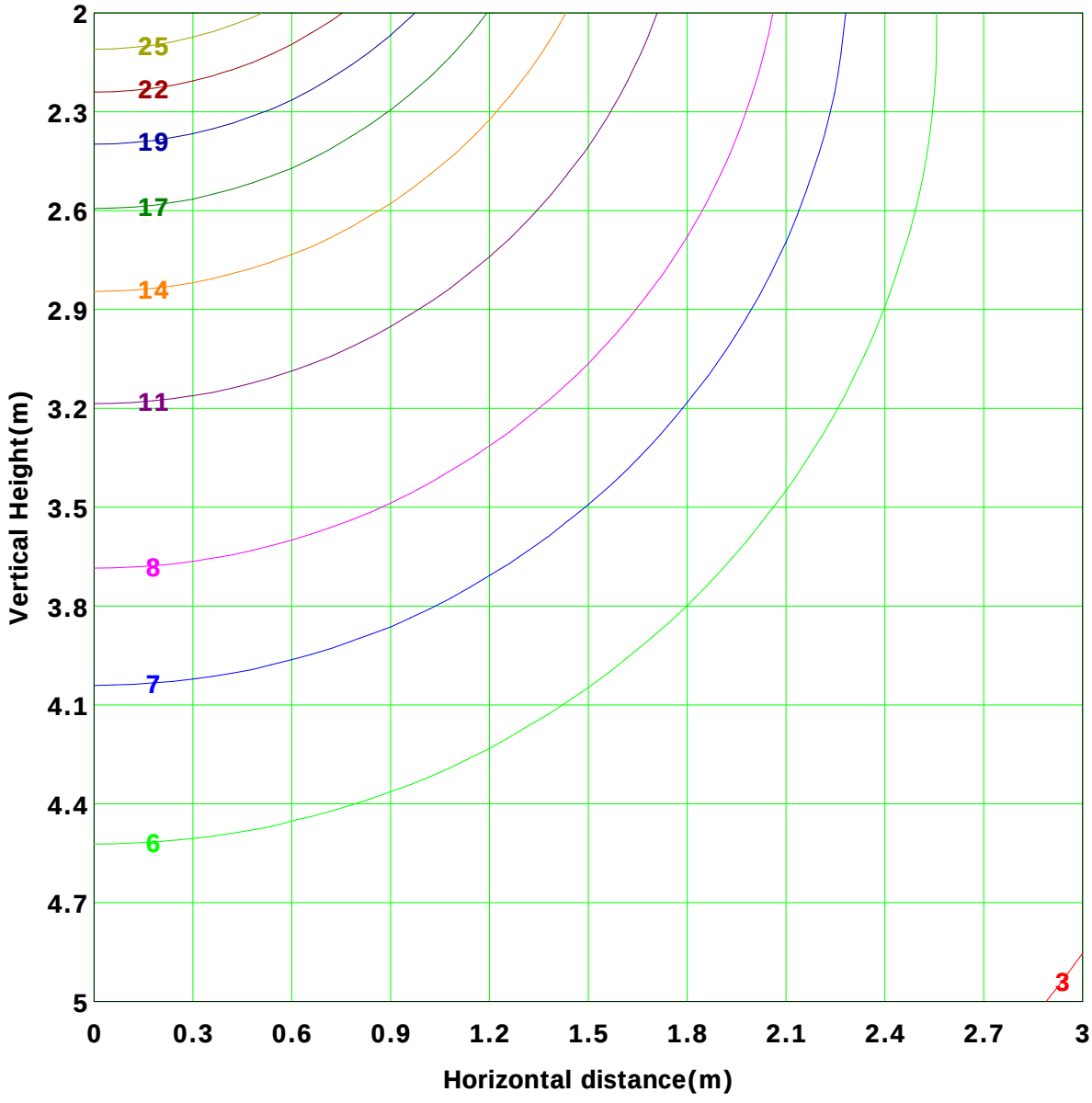
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	110.09	2.72/7.05	16.1	9.54
2.0	27.52	5.43/14.11	64.3	2.39
3.0	12.23	8.15/21.16	144.7	1.06
4.0	6.88	10.87/28.21	257.2	0.60
5.0	4.40	13.59/35.27	401.9	0.38
6.0	3.06	16.30/42.32	578.8	0.27
7.0	2.25	19.02/49.37	787.8	0.19
8.0	1.72	21.74/56.42	1029.0	0.15
9.0	1.36	24.46/63.48	1302.3	0.12
10.0	1.10	27.17/70.53	1607.8	0.10

Beam Angle(B): H107.3 V148.3 Field Angle(F): H159.4 V259.1

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: 27.5 lx

(10%): 2.8 lx	(20%): 5.5 lx
(25%): 6.9 lx	(30%): 8.3 lx
(40%): 11.0 lx	(50%): 13.8 lx
(60%): 16.5 lx	(70%): 19.3 lx
(80%): 22.0 lx	(90%): 24.8 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:

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)
0.0	0.1	0.2	0.3	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.3	0.2	0.1	0.0	10.9	10.7	0.0
0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.0	0.7	0.4	0.2	0.1	0.0	13.8	13.7	1.9
0.0	0.1	0.3	0.5	0.9	1.2	1.6	1.8	2.0	2.0	1.8	1.6	1.3	1.2	0.7	0.3	0.1	0.0	16.8	16.8	6.3
0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.3	2.3	2.1	1.9	1.6	1.3	1.0	0.4	0.2	0.1	19.8	19.7	12.4
0.0	0.1	0.4	0.7	1.2	1.6	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.7	0.4	0.1	0.0	22.5	22.5	19.7
0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.7	2.9	2.9	2.7	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.8	24.8	27.7
0.0	0.2	0.5	0.9	1.4	1.9	2.5	2.9	3.1	3.1	2.9	2.5	2.0	1.4	0.9	0.5	0.2	0.0	26.6	26.6	35.0
0.0	0.2	0.5	0.9	1.5	2.0	2.6	3.0	3.2	3.2	3.0	2.6	2.1	1.5	0.9	0.5	0.2	0.0	27.8	27.8	40.6
0.0	0.2	0.5	0.9	1.5	2.1	2.6	3.1	3.3	3.3	3.1	2.7	2.1	1.5	0.9	0.5	0.2	0.0	28.3	28.3	44.0
0.0	0.2	0.5	0.9	1.5	2.1	2.6	3.0	3.3	3.3	3.1	2.6	2.1	1.5	0.9	0.5	0.2	0.0	28.2	28.2	44.1
0.0	0.2	0.5	0.9	1.4	2.0	2.5	2.9	3.2	3.2	3.0	2.6	2.1	1.5	0.9	0.5	0.2	0.0	27.5	27.4	40.9
0.0	0.2	0.4	0.9	1.4	1.9	2.4	2.8	3.0	3.0	2.8	2.4	1.9	1.4	0.9	0.4	0.2	0.0	26.0	26.0	35.4
0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	27.9
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	19.9
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	12.4
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	6.3
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	1.9
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	0.0
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	377
0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	24.1	24.0	376

Horizontal plane

Flux(E) Flux(T) 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90

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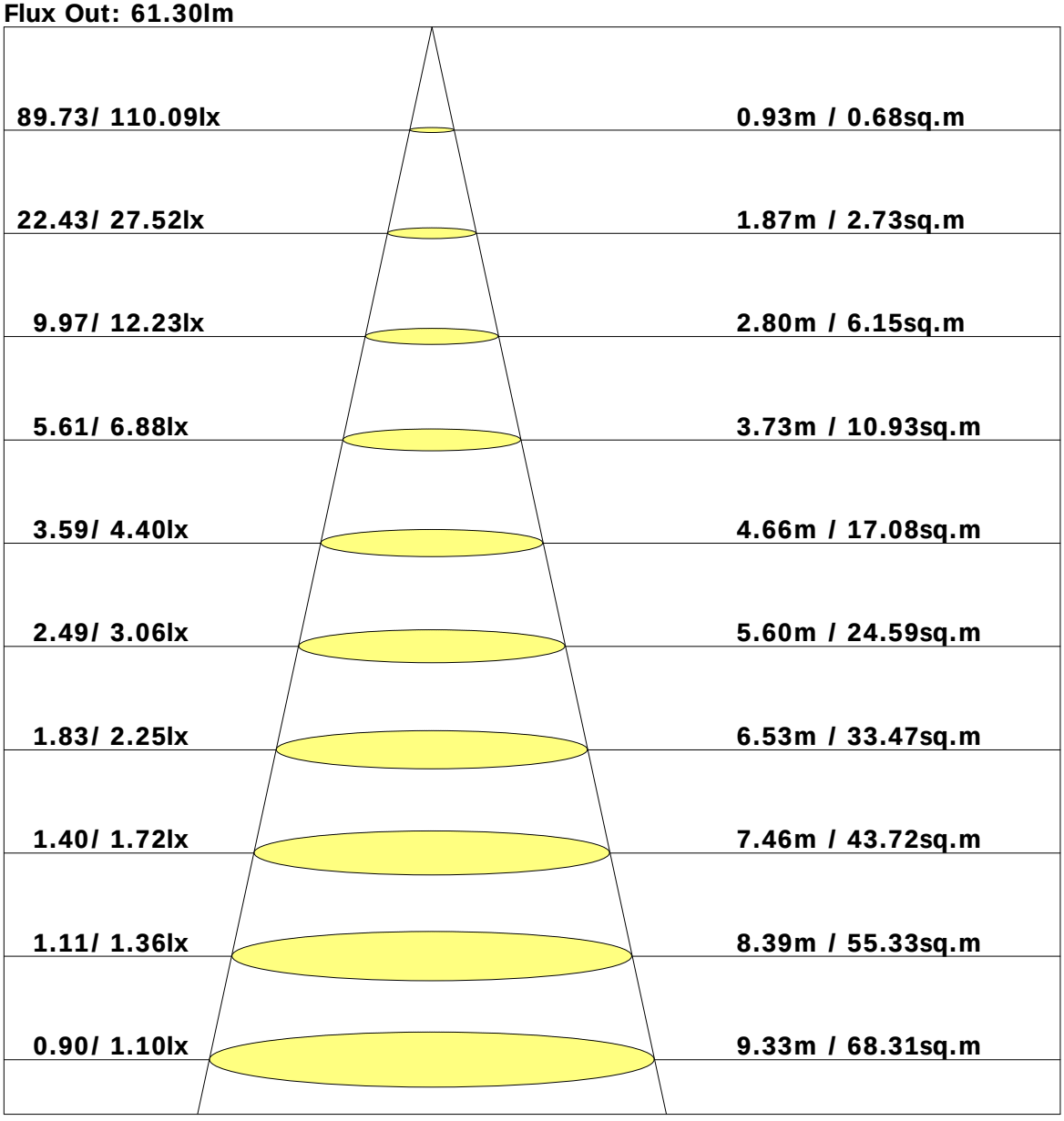
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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: 61.30lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	89.73/ 110.09lx		0.93m / 0.68sq.m
2.0m	22.43/ 27.52lx		1.87m / 2.73sq.m
3.0m	9.97/ 12.23lx		2.80m / 6.15sq.m
4.0m	5.61/ 6.88lx		3.73m / 10.93sq.m
5.0m	3.59/ 4.40lx		4.66m / 17.08sq.m
6.0m	2.49/ 3.06lx		5.60m / 24.59sq.m
7.0m	1.83/ 2.25lx		6.53m / 33.47sq.m
8.0m	1.40/ 1.72lx		7.46m / 43.72sq.m
9.0m	1.11/ 1.36lx		8.39m / 55.33sq.m
10.0m	0.90/ 1.10lx		9.33m / 68.31sq.m

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Test Device: GPM-1800B
Distance: 9.028 m
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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	20.4	21.9	21.0	22.4	23.0	21.0	22.4	21.5	23.0	23.6
3H	22.2	23.5	22.8	24.1	24.7	23.3	24.6	23.8	25.2	25.8
4H	22.9	24.1	23.4	24.7	25.4	24.4	25.6	24.9	26.2	26.9
6H	23.3	24.5	23.9	25.1	25.8	25.4	26.6	26.0	27.2	27.8
8H	23.5	24.6	24.1	25.2	25.9	25.9	27.0	26.5	27.6	28.3
12H	23.5	24.6	24.1	25.2	25.9	26.4	27.4	27.0	28.0	28.8
X=4H Y=2H	21.2	22.4	21.7	23.0	23.7	21.5	22.8	22.1	23.4	24.0
3H	23.1	24.2	23.7	24.8	25.5	24.1	25.2	24.7	25.8	26.5
4H	23.9	24.9	24.6	25.6	26.3	25.4	26.4	26.0	27.0	27.7
6H	24.6	25.5	25.2	26.1	26.8	26.6	27.5	27.2	28.1	28.8
8H	24.8	25.6	25.4	26.3	27.0	27.2	28.0	27.8	28.7	29.4
12H	24.9	25.7	25.6	26.3	27.1	27.8	28.5	28.4	29.2	29.9
X=8H Y=4H	24.5	25.3	25.1	26.0	26.7	25.7	26.5	26.3	27.2	27.9
6H	25.3	26.0	26.0	26.7	27.5	27.1	27.8	27.8	28.5	29.3
8H	25.6	26.3	26.3	27.0	27.7	27.9	28.5	28.5	29.2	30.0
12H	25.9	26.5	26.6	27.2	28.0	28.6	29.2	29.3	29.9	30.7
X=12H Y=4H	24.6	25.4	25.3	26.1	26.8	25.7	26.5	26.4	27.2	27.9
6H	25.6	26.2	26.2	26.9	27.7	27.2	27.9	27.9	28.5	29.3
8H	26.0	26.5	26.6	27.2	28.0	28.0	28.6	28.7	29.3	30.1

Calculate in accordance with CIE 190:2010

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

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

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50								
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	0.52	0.60	0.67	0.72	0.79	0.84	0.88	0.92	0.96
	0.30		0.44	0.52	0.59	0.64	0.72	0.78	0.82	0.87	0.91
	0.20		0.38	0.46	0.53	0.58	0.66	0.72	0.77	0.83	0.87
0.50	0.50	0.20	0.49	0.56	0.63	0.67	0.74	0.78	0.82	0.86	0.89
	0.30		0.42	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
	0.20		0.37	0.44	0.51	0.56	0.63	0.69	0.73	0.78	0.82
0.30	0.50	0.20	0.47	0.53	0.59	0.63	0.69	0.73	0.76	0.80	0.83
	0.30		0.40	0.47	0.53	0.58	0.64	0.69	0.72	0.77	0.80
	0.20		0.36	0.42	0.49	0.54	0.60	0.65	0.69	0.74	0.77
0.00	0.00	0.00	0.33	0.38	0.44	0.49	0.55	0.59	0.62	0.67	0.70

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	0.46	0.40	0.32	0.27
	0.30		0.83	0.74	0.65	0.58	0.49	0.42	0.37	0.30	0.25
	0.20		0.72	0.65	0.58	0.52	0.45	0.39	0.35	0.28	0.24
0.50	0.50	0.20	0.94	0.81	0.70	0.62	0.51	0.46	0.37	0.30	0.25
	0.30		0.79	0.70	0.62	0.55	0.46	0.40	0.35	0.28	0.24
	0.20		0.69	0.62	0.55	0.50	0.43	0.37	0.33	0.27	0.23
0.30	0.50	0.20	0.89	0.76	0.65	0.58	0.47	0.40	0.35	0.28	0.24
	0.30		0.76	0.67	0.59	0.52	0.44	0.38	0.33	0.27	0.23
	0.20		0.66	0.60	0.53	0.48	0.41	0.35	0.31	0.26	0.22
0.00	0.00	0.00	0.55	0.49	0.43	0.39	0.33	0.28	0.25	0.21	0.17

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	0.29	0.30	0.31	0.32	0.33	0.33	0.33	0.34	0.34
	0.30		0.22	0.23	0.25	0.26	0.27	0.28	0.29	0.30	0.31
	0.20		0.17	0.18	0.20	0.21	0.23	0.24	0.25	0.27	0.28
0.50	0.50	0.20	0.28	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.33
	0.30		0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30
	0.20		0.17	0.18	0.19	0.20	0.22	0.24	0.25	0.26	0.27
0.30	0.50	0.20	0.27	0.28	0.29	0.29	0.30	0.31	0.31	0.31	0.31
	0.30		0.21	0.22	0.23	0.24	0.26	0.27	0.27	0.28	0.29
	0.20		0.17	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26
0.00	0.00	0.00	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

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	109.5	0.1	0.1	0.02	0.02
1.0-2.0	109.5	0.3	0.4	0.07	0.10
2.0-3.0	109.4	0.5	0.9	0.12	0.22
3.0-4.0	109.3	0.7	1.7	0.17	0.39
4.0-5.0	109.2	0.9	2.6	0.22	0.60
5.0-6.0	109.0	1.1	3.8	0.26	0.87
6.0-7.0	108.8	1.4	5.1	0.31	1.18
7.0-8.0	108.5	1.6	6.7	0.36	1.54
8.0-9.0	108.3	1.8	8.4	0.41	1.95
9.0-10.0	107.9	2.0	10.4	0.45	2.40
10.0-11.0	107.6	2.1	12.5	0.50	2.90
11.0-12.0	107.2	2.3	14.9	0.54	3.44
12.0-13.0	106.8	2.5	17.4	0.59	4.02
13.0-14.0	106.3	2.7	20.1	0.63	4.65
14.0-15.0	105.8	2.9	23.0	0.67	5.32
15.0-16.0	105.3	3.1	26.1	0.71	6.04
16.0-17.0	104.8	3.3	29.4	0.75	6.79
17.0-18.0	104.2	3.4	32.8	0.79	7.59
18.0-19.0	103.6	3.6	36.4	0.83	8.42
19.0-20.0	102.9	3.8	40.2	0.87	9.29
20.0-21.0	102.2	3.9	44.1	0.91	10.20
21.0-22.0	101.5	4.1	48.2	0.94	11.14
22.0-23.0	100.7	4.2	52.4	0.98	12.12
23.0-24.0	100.0	4.4	56.8	1.01	13.13
24.0-25.0	99.2	4.5	61.3	1.04	14.17
25.0-26.0	98.4	4.6	65.9	1.07	15.25
26.0-27.0	97.5	4.8	70.7	1.10	16.35
27.0-28.0	96.6	4.9	75.6	1.13	17.48
28.0-29.0	95.7	5.0	80.6	1.16	18.64
29.0-30.0	94.8	5.1	85.7	1.18	19.82
30.0-31.0	93.8	5.2	91.0	1.21	21.03
31.0-32.0	92.8	5.3	96.3	1.23	22.26
32.0-33.0	91.8	5.4	101.7	1.25	23.51
33.0-34.0	90.8	5.5	107.2	1.27	24.78
34.0-35.0	89.8	5.6	112.8	1.29	26.07
35.0-36.0	88.7	5.6	118.4	1.31	27.37

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	87.6	5.7	124.1	1.32	28.69
37.0-38.0	86.5	5.8	129.9	1.33	30.03
38.0-39.0	85.3	5.8	135.7	1.35	31.38
39.0-40.0	84.2	5.9	141.6	1.36	32.73
40.0-41.0	83.0	5.9	147.5	1.37	34.10
41.0-42.0	81.8	5.9	153.4	1.37	35.47
42.0-43.0	80.6	6.0	159.4	1.38	36.85
43.0-44.0	79.4	6.0	165.4	1.39	38.24
44.0-45.0	78.2	6.0	171.4	1.39	39.63
45.0-46.0	76.9	6.0	177.4	1.39	41.02
46.0-47.0	75.6	6.0	183.5	1.39	42.41
47.0-48.0	74.3	6.0	189.5	1.39	43.80
48.0-49.0	73.1	6.0	195.5	1.39	45.19
49.0-50.0	71.8	6.0	201.4	1.38	46.57
50.0-51.0	70.5	6.0	207.4	1.38	47.95
51.0-52.0	69.1	5.9	213.3	1.37	49.32
52.0-53.0	67.8	5.9	219.2	1.36	50.69
53.0-54.0	66.5	5.9	225.1	1.35	52.04
54.0-55.0	65.2	5.8	230.9	1.34	53.39
55.0-56.0	63.8	5.8	236.7	1.33	54.72
56.0-57.0	62.4	5.7	242.4	1.32	56.04
57.0-58.0	61.1	5.6	248.0	1.31	57.35
58.0-59.0	59.7	5.6	253.6	1.29	58.64
59.0-60.0	58.3	5.5	259.1	1.27	59.91
60.0-61.0	57.0	5.4	264.6	1.26	61.17
61.0-62.0	55.6	5.4	269.9	1.24	62.41
62.0-63.0	54.3	5.3	275.2	1.22	63.63
63.0-64.0	52.9	5.2	280.4	1.20	64.83
64.0-65.0	51.5	5.1	285.5	1.18	66.01
65.0-66.0	50.2	5.0	290.5	1.16	67.16
66.0-67.0	48.8	4.9	295.4	1.13	68.30
67.0-68.0	47.4	4.8	300.2	1.11	69.41
68.0-69.0	46.1	4.7	304.9	1.09	70.50
69.0-70.0	44.7	4.6	309.5	1.06	71.56
70.0-71.0	43.4	4.5	314.0	1.04	72.59
71.0-72.0	42.1	4.4	318.4	1.01	73.61

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	40.8	4.3	322.6	0.99	74.59
73.0-74.0	39.5	4.1	326.8	0.96	75.55
74.0-75.0	38.2	4.0	330.8	0.93	76.48
75.0-76.0	36.9	3.9	334.7	0.91	77.39
76.0-77.0	35.7	3.8	338.6	0.88	78.27
77.0-78.0	34.4	3.7	342.2	0.85	79.12
78.0-79.0	33.2	3.6	345.8	0.83	79.95
79.0-80.0	32.0	3.5	349.3	0.80	80.75
80.0-81.0	30.8	3.3	352.6	0.77	81.52
81.0-82.0	29.7	3.2	355.8	0.74	82.26
82.0-83.0	28.5	3.1	358.9	0.72	82.98
83.0-84.0	27.4	3.0	361.9	0.69	83.67
84.0-85.0	26.3	2.9	364.8	0.66	84.33
85.0-86.0	25.3	2.8	367.5	0.64	84.97
86.0-87.0	24.2	2.6	370.2	0.61	85.59
87.0-88.0	23.2	2.5	372.7	0.59	86.17
88.0-89.0	22.3	2.4	375.2	0.56	86.74
89.0-90.0	21.4	2.3	377.5	0.54	87.28
90.0-91.0	20.6	2.3	379.8	0.52	87.80
91.0-92.0	19.9	2.2	382.0	0.50	88.30
92.0-93.0	19.2	2.1	384.1	0.49	88.79
93.0-94.0	18.6	2.0	386.1	0.47	89.26
94.0-95.0	18.0	2.0	388.1	0.45	89.72
95.0-96.0	17.4	1.9	390.0	0.44	90.15
96.0-97.0	16.8	1.8	391.8	0.42	90.58
97.0-98.0	16.3	1.8	393.6	0.41	90.99
98.0-99.0	15.8	1.7	395.3	0.40	91.38
99.0-100.0	15.3	1.7	396.9	0.38	91.76
100.0-101.0	14.8	1.6	398.5	0.37	92.13
101.0-102.0	14.3	1.5	400.1	0.36	92.49
102.0-103.0	13.8	1.5	401.5	0.34	92.83
103.0-104.0	13.4	1.4	403.0	0.33	93.16
104.0-105.0	13.0	1.4	404.3	0.32	93.48
105.0-106.0	12.5	1.3	405.7	0.31	93.79
106.0-107.0	12.1	1.3	406.9	0.30	94.08
107.0-108.0	11.7	1.2	408.2	0.28	94.36

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	11.4	1.2	409.3	0.27	94.64
109.0-110.0	11.0	1.1	410.5	0.26	94.90
110.0-111.0	10.6	1.1	411.6	0.25	95.15
111.0-112.0	10.3	1.0	412.6	0.24	95.39
112.0-113.0	10.0	1.0	413.6	0.23	95.63
113.0-114.0	9.6	1.0	414.6	0.22	95.85
114.0-115.0	9.3	0.9	415.5	0.21	96.07
115.0-116.0	9.0	0.9	416.4	0.21	96.27
116.0-117.0	8.7	0.9	417.3	0.20	96.47
117.0-118.0	8.4	0.8	418.1	0.19	96.66
118.0-119.0	8.2	0.8	418.9	0.18	96.84
119.0-120.0	7.9	0.8	419.6	0.17	97.02
120.0-121.0	7.6	0.7	420.4	0.17	97.18
121.0-122.0	7.4	0.7	421.0	0.16	97.34
122.0-123.0	7.1	0.7	421.7	0.15	97.49
123.0-124.0	6.9	0.6	422.3	0.15	97.64
124.0-125.0	6.6	0.6	422.9	0.14	97.78
125.0-126.0	6.4	0.6	423.5	0.13	97.91
126.0-127.0	6.2	0.5	424.1	0.13	98.04
127.0-128.0	6.0	0.5	424.6	0.12	98.16
128.0-129.0	5.8	0.5	425.1	0.11	98.27
129.0-130.0	5.6	0.5	425.5	0.11	98.38
130.0-131.0	5.4	0.4	426.0	0.10	98.48
131.0-132.0	5.2	0.4	426.4	0.10	98.58
132.0-133.0	5.0	0.4	426.8	0.09	98.68
133.0-134.0	4.8	0.4	427.2	0.09	98.76
134.0-135.0	4.6	0.4	427.6	0.08	98.85
135.0-136.0	4.4	0.3	427.9	0.08	98.93
136.0-137.0	4.3	0.3	428.2	0.07	99.00
137.0-138.0	4.2	0.3	428.5	0.07	99.07
138.0-139.0	4.0	0.3	428.8	0.07	99.14
139.0-140.0	3.9	0.3	429.1	0.06	99.20
140.0-141.0	3.8	0.3	429.4	0.06	99.26
141.0-142.0	3.6	0.2	429.6	0.06	99.32
142.0-143.0	3.5	0.2	429.8	0.05	99.37
143.0-144.0	3.3	0.2	430.1	0.05	99.42

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	3.2	0.2	430.3	0.05	99.47
145.0-146.0	3.1	0.2	430.4	0.04	99.52
146.0-147.0	2.9	0.2	430.6	0.04	99.56
147.0-148.0	2.8	0.2	430.8	0.04	99.59
148.0-149.0	2.7	0.2	430.9	0.04	99.63
149.0-150.0	2.6	0.1	431.1	0.03	99.66
150.0-151.0	2.5	0.1	431.2	0.03	99.69
151.0-152.0	2.4	0.1	431.3	0.03	99.72
152.0-153.0	2.3	0.1	431.5	0.03	99.75
153.0-154.0	2.2	0.1	431.6	0.02	99.77
154.0-155.0	2.1	0.1	431.7	0.02	99.80
155.0-156.0	2.0	0.1	431.8	0.02	99.82
156.0-157.0	2.0	0.1	431.8	0.02	99.84
157.0-158.0	1.9	0.1	431.9	0.02	99.85
158.0-159.0	1.8	0.1	432.0	0.02	99.87
159.0-160.0	1.7	0.1	432.1	0.01	99.89
160.0-161.0	1.6	0.1	432.1	0.01	99.90
161.0-162.0	1.6	0.1	432.2	0.01	99.91
162.0-163.0	1.5	0.0	432.2	0.01	99.92
163.0-164.0	1.4	0.0	432.3	0.01	99.93
164.0-165.0	1.4	0.0	432.3	0.01	99.94
165.0-166.0	1.3	0.0	432.3	0.01	99.95
166.0-167.0	1.3	0.0	432.4	0.01	99.96
167.0-168.0	1.2	0.0	432.4	0.01	99.97
168.0-169.0	1.2	0.0	432.4	0.01	99.97
169.0-170.0	1.1	0.0	432.4	0.01	99.98
170.0-171.0	1.1	0.0	432.5	0.00	99.98
171.0-172.0	1.1	0.0	432.5	0.00	99.99
172.0-173.0	1.0	0.0	432.5	0.00	99.99
173.0-174.0	1.0	0.0	432.5	0.00	99.99
174.0-175.0	1.0	0.0	432.5	0.00	99.99
175.0-176.0	1.0	0.0	432.5	0.00	100.00
176.0-177.0	1.0	0.0	432.5	0.00	100.00
177.0-178.0	1.0	0.0	432.5	0.00	100.00
178.0-179.0	1.0	0.0	432.5	0.00	100.00
179.0-180.0	1.0	0.0	432.5	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: