GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2023/8/30 17:20**

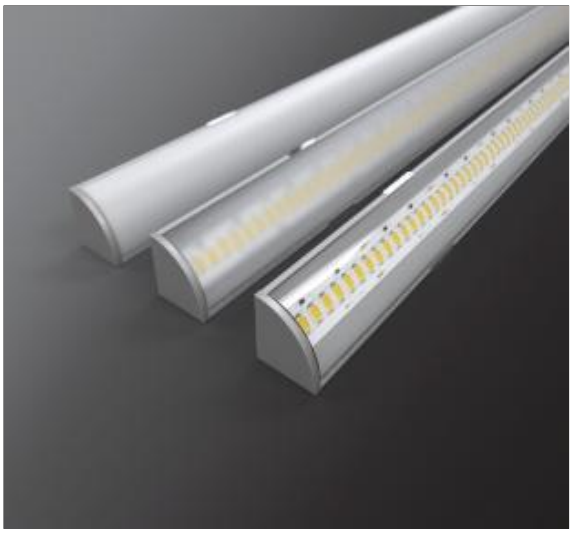
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAC2M90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 16**
Luminous Height (mm): 16 **Voltage: 24.0V**
Current: 0.204 A **Power: 4.92 W**
Power Factor: 1.000

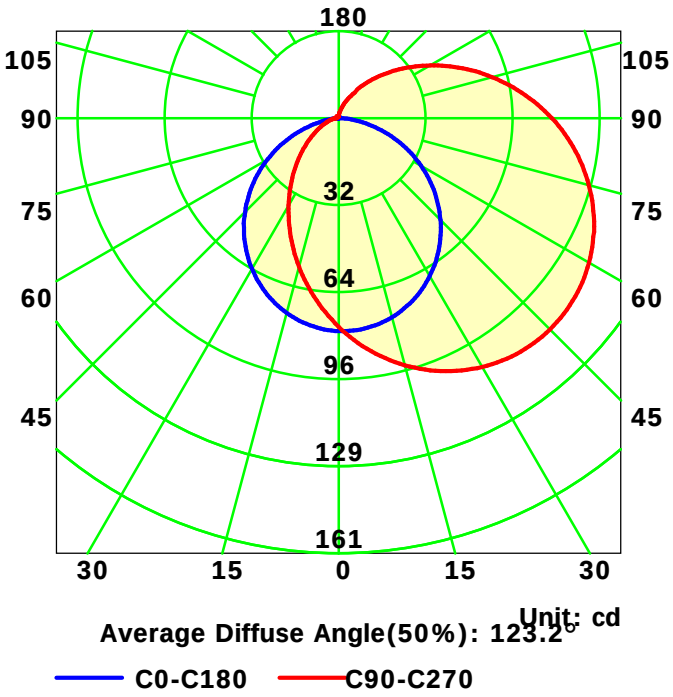
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 368.0 lm**
Measurement Flux: 368 lm **Efficiency: 100%**
Downward Ratio: 82% **Upward Ratio: 18%**
Horizontal Diffuse Angle(10%,50%): H158.7,H109.8
Vertical Diffuse Angle(10%,50%): V212.2,V136.5
Luminaire Efficacy Rating (LER): 75 **Central Intensity: 79.06 cd**
Max. Intensity: 110.88 cd **Pos of Max. Intensity: H90 V45**

Picture Of Luminaire



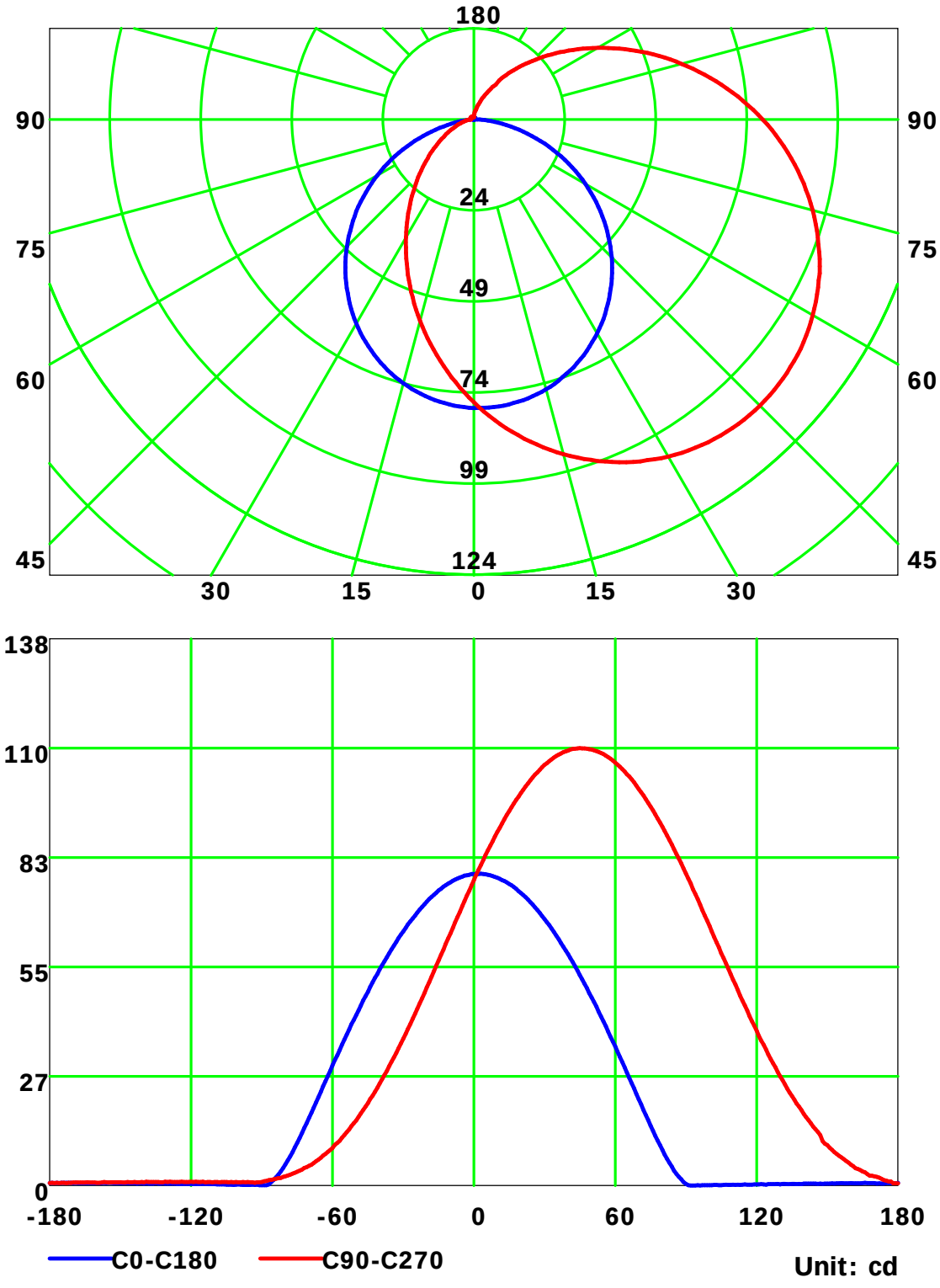
Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 123.2°

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:**

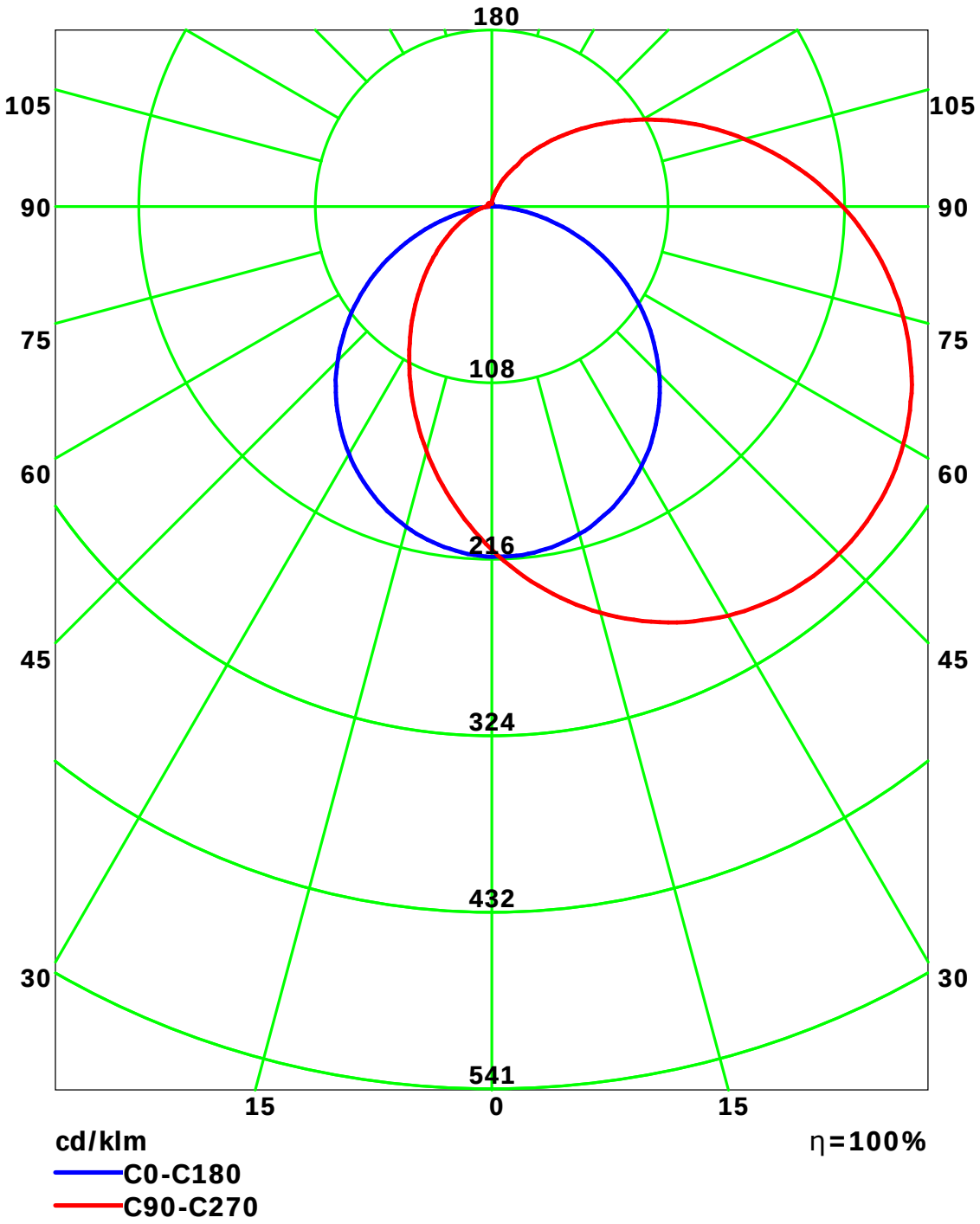
Luminous Intensity Distribution Curve



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

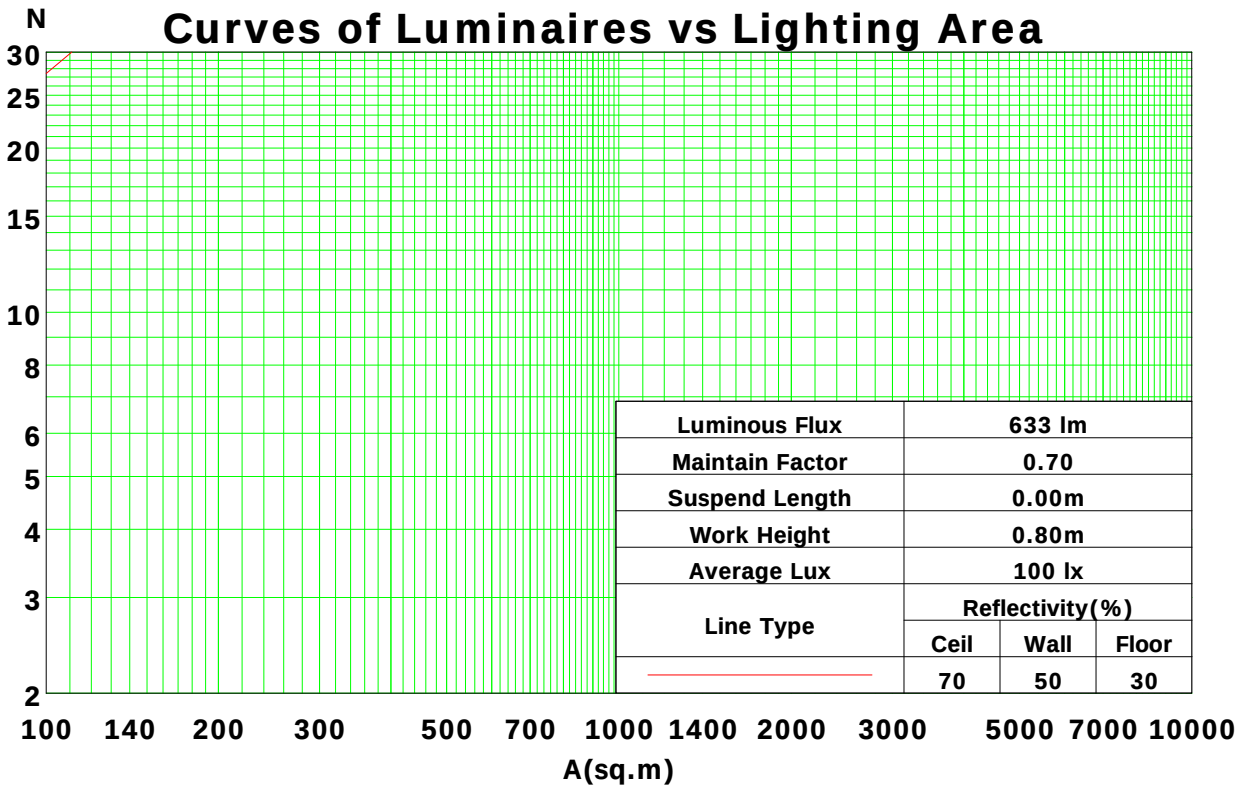
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	84	80	76	76	73	70	70	67	65	62
2	91	81	73	67	86	78	71	65	71	65	60	65	60	56	60	56	52	49
3	82	70	61	54	78	67	59	53	62	55	49	57	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	34	28	24	21
8	54	40	31	25	52	39	30	25	36	29	24	33	27	22	31	25	21	19
9	51	37	28	23	48	35	28	22	33	26	21	31	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): 1.24
Spacing Criteria (90-270): 1.40
Spacing Criteria (Diagonal): 1.45

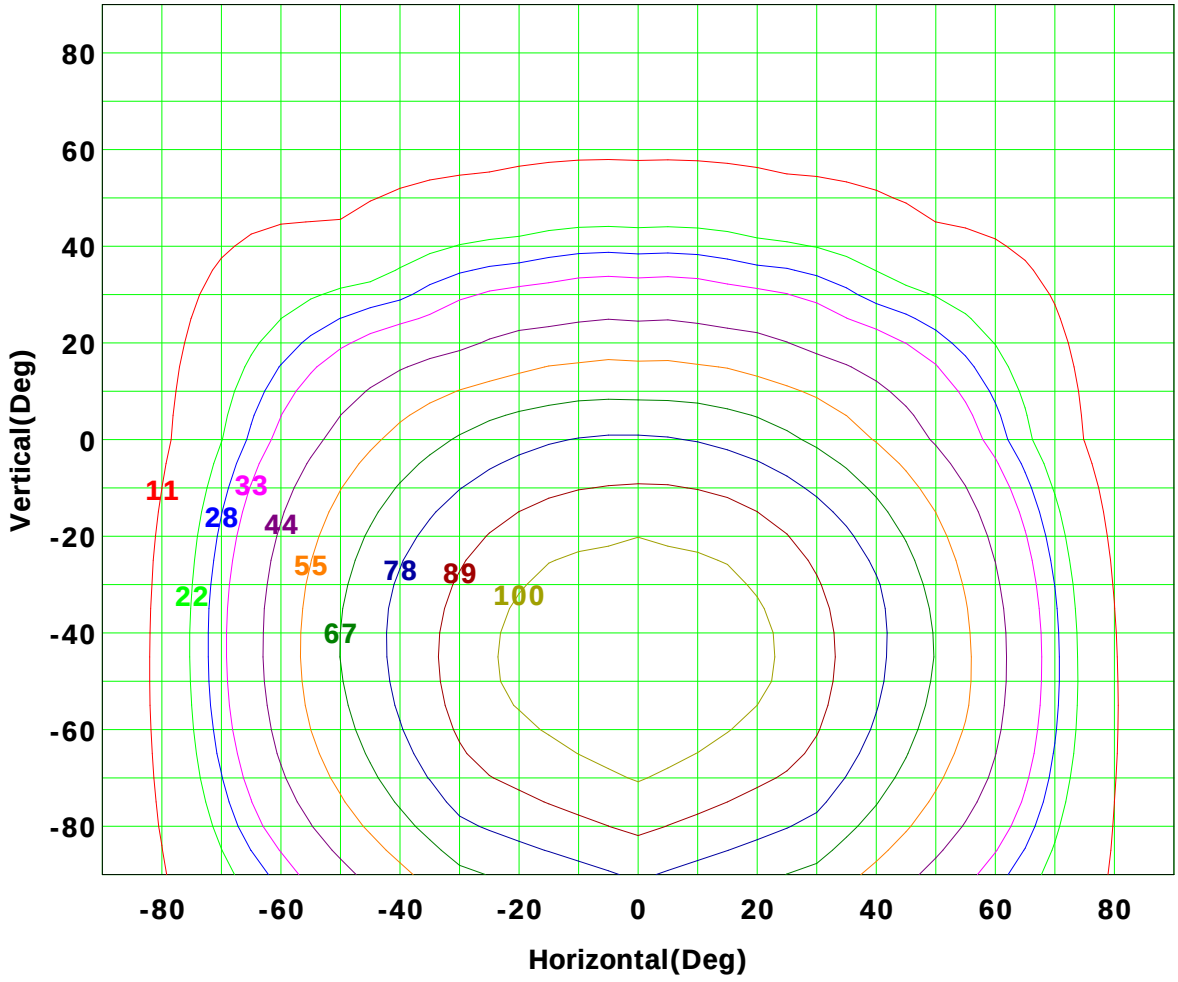
Curves of Luminaires vs Lighting Area



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)



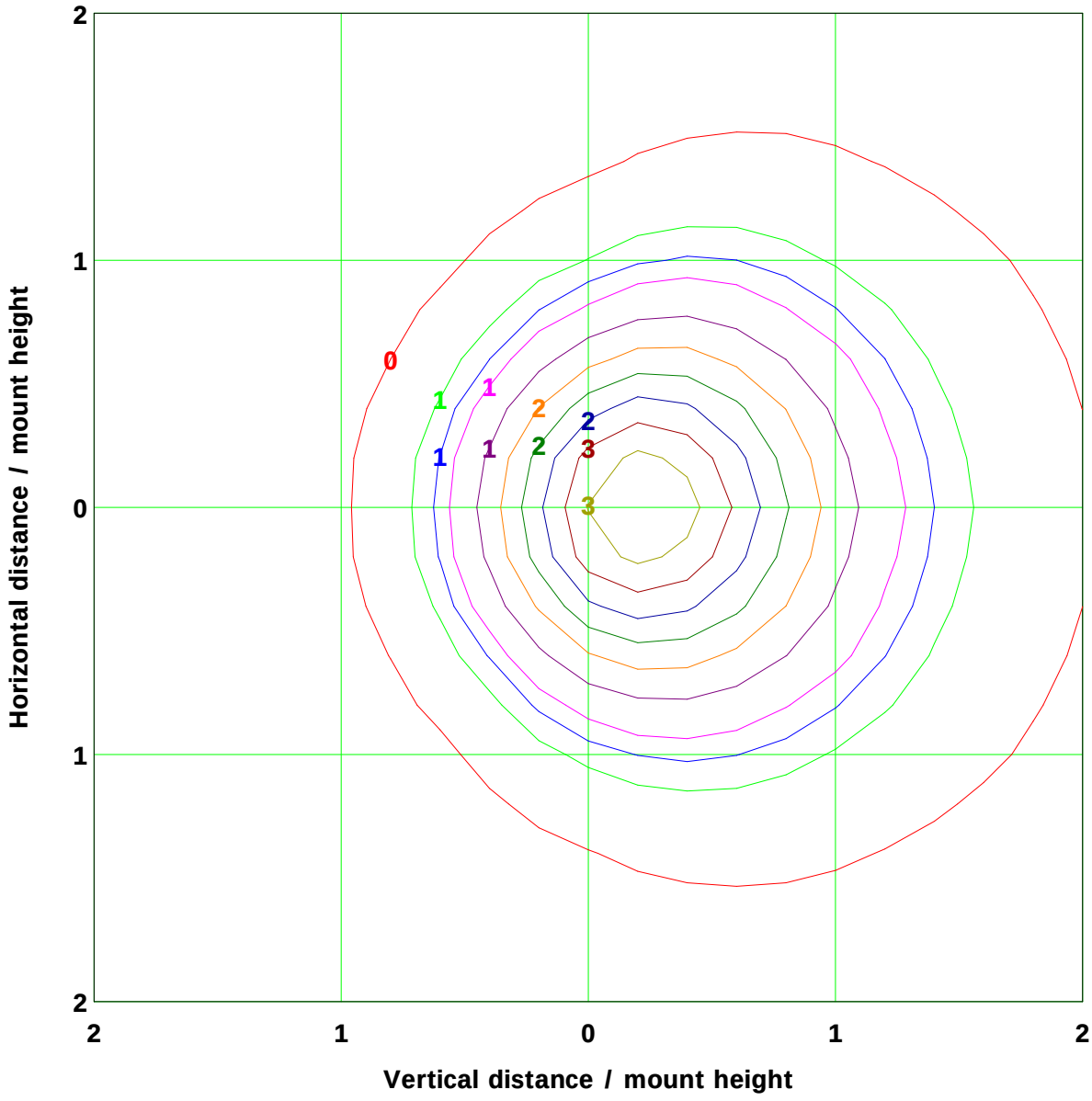
Imax (100%): 111 cd

(10%):	11 cd	(20%):	22 cd
(25%):	28 cd	(30%):	33 cd
(40%):	44 cd	(50%):	55 cd
(60%):	67 cd	(70%):	78 cd
(80%):	89 cd	(90%):	100 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%): 3.4 lx

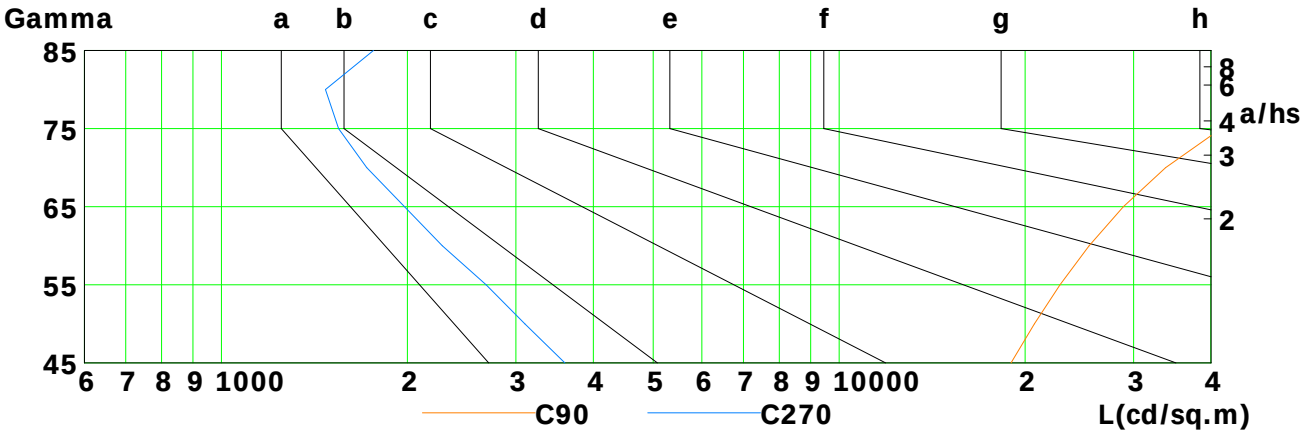
(10%): 0.3 lx	(20%): 0.7 lx
(25%): 0.9 lx	(30%): 1.0 lx
(40%): 1.4 lx	(50%): 1.7 lx
(60%): 2.1 lx	(70%): 2.4 lx
(80%): 2.8 lx	(90%): 3.1 lx

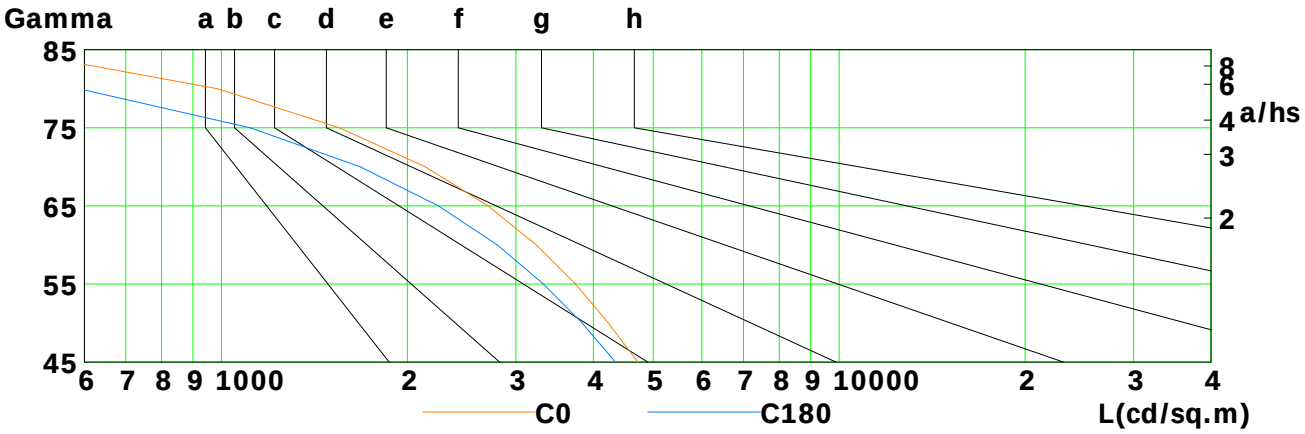
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



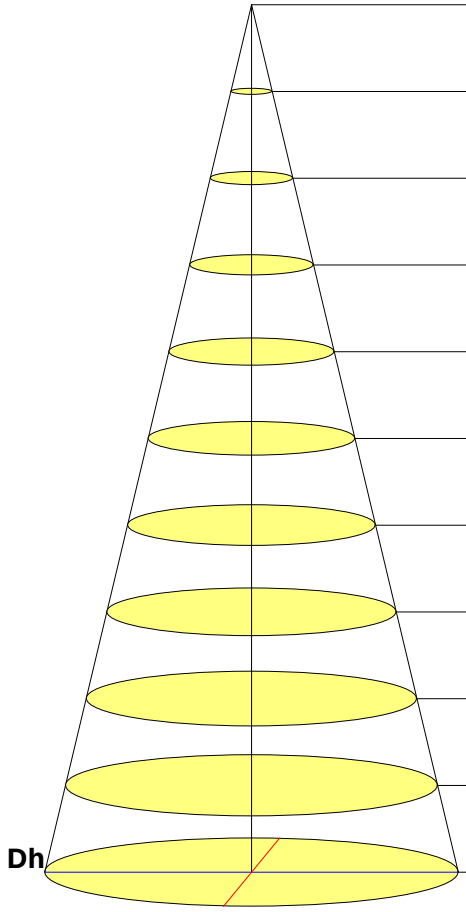


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4723	4235	3744	3235	2702	2139	1554	986	448
C90	18993	20708	22796	25407	28866	33769	41470	55414	89565
C180	4346	3839	3322	2796	2245	1678	1113	588	175
C270	3601	3102	2682	2279	1979	1720	1549	1474	1764

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



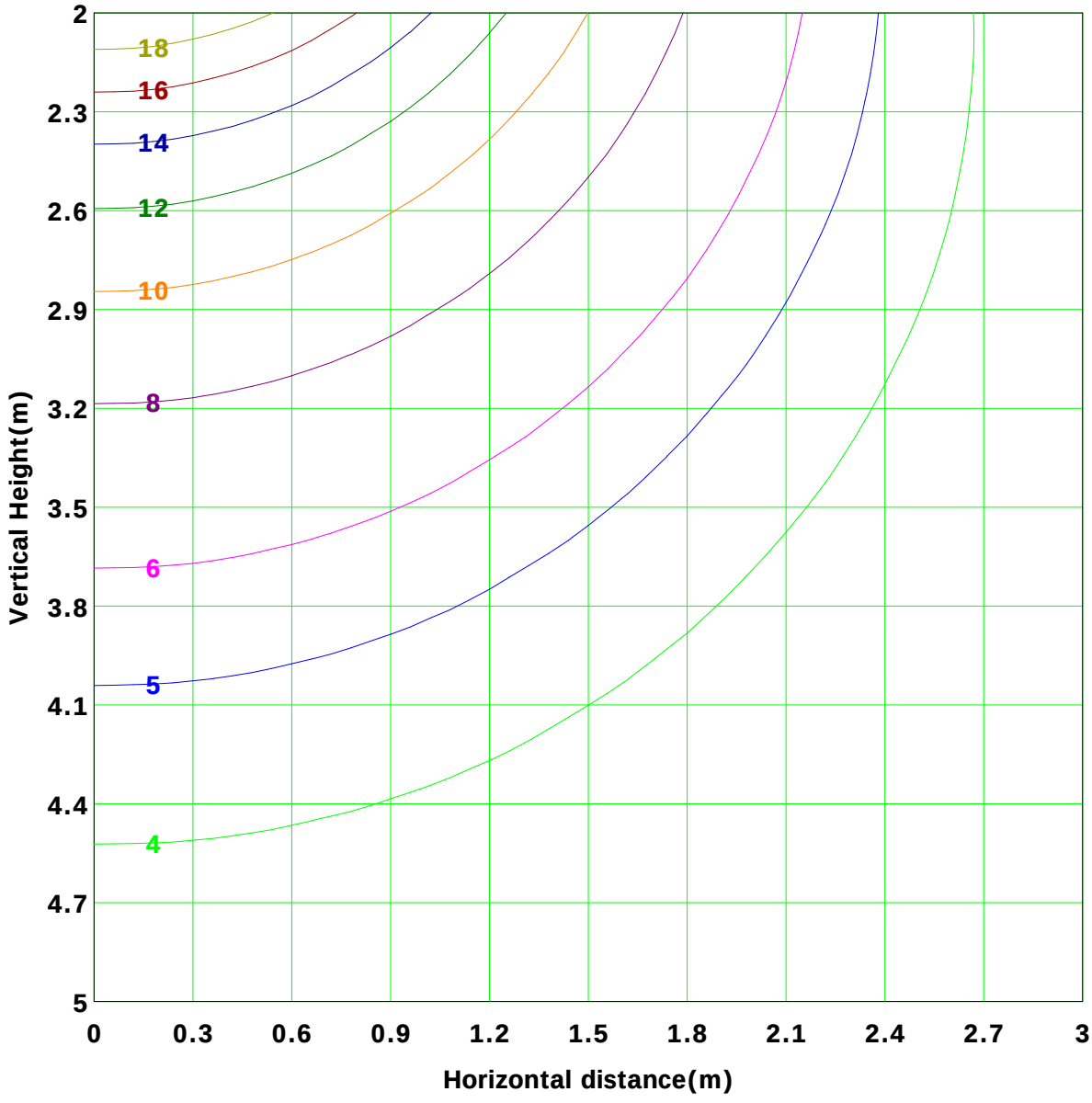
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	79.06	2.85/5.01	NA	NA
2.0	19.76	5.69/10.03	NA	NA
3.0	8.78	8.54/15.04	NA	NA
4.0	4.94	11.38/20.06	NA	NA
5.0	3.16	14.23/25.07	NA	NA
6.0	2.20	17.08/30.08	NA	NA
7.0	1.61	19.92/35.10	NA	NA
8.0	1.24	22.77/40.11	NA	NA
9.0	0.98	25.62/45.12	NA	NA
10.0	0.79	28.46/50.14	NA	NA

Beam Angle(B): H109.8 V136.5 Field Angle(F): H158.7 V212.2

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: 19.8 lx

(10%): 2.0 lx	(20%): 4.0 lx
(25%): 4.9 lx	(30%): 5.9 lx
(40%): 7.9 lx	(50%): 9.9 lx
(60%): 11.9 lx	(70%): 13.8 lx
(80%): 15.8 lx	(90%): 17.8 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	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.2	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
-80	1.4	1.7	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
-70	4.8	5.1	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0
-60	9.8	10.1	0.7	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0
-50	15.6	16.0	1.1	1.3	1.4	1.5	1.6	1.6	1.5	1.3	1.2	1.0	0.8	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0
-40	21.8	22.2	1.6	1.8	2.0	2.1	2.2	2.1	2.0	1.9	1.6	1.4	1.1	0.8	0.6	0.4	0.3	0.1	0.1	0.0	0.0
-30	27.4	27.8	2.0	2.3	2.5	2.7	2.7	2.6	2.5	2.3	2.1	1.7	1.4	1.1	0.8	0.5	0.3	0.2	0.1	0.0	0.0
-20	31.4	31.9	2.3	2.6	2.8	3.0	3.1	3.0	2.9	2.7	2.4	2.0	1.6	1.2	0.9	0.6	0.4	0.2	0.1	0.0	0.0
-10	33.8	34.3	2.5	2.8	3.1	3.2	3.3	3.2	3.1	2.8	2.5	2.1	1.7	1.3	1.0	0.6	0.4	0.2	0.1	0.1	0.0
0	33.9	34.3	2.5	2.8	3.1	3.2	3.3	3.2	3.1	2.8	2.5	2.2	1.7	1.3	1.0	0.6	0.4	0.2	0.1	0.0	0.0
10	31.6	32.0	2.3	2.6	2.9	3.0	3.1	3.0	2.9	2.7	2.4	2.0	1.6	1.2	0.9	0.6	0.4	0.2	0.1	0.0	0.0
20	27.7	28.1	2.0	2.3	2.5	2.7	2.7	2.7	2.5	2.4	2.1	1.8	1.4	1.1	0.8	0.5	0.3	0.2	0.1	0.0	0.0
30	22.2	22.6	1.6	1.8	2.0	2.1	2.2	2.1	2.1	1.9	1.7	1.5	1.2	0.9	0.6	0.4	0.3	0.1	0.1	0.0	0.0
40	16.1	16.4	1.1	1.3	1.5	1.5	1.6	1.6	1.5	1.4	1.2	1.1	0.9	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0
50	10.3	10.5	0.7	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0
60	5.3	5.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
70	1.8	2.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
80	0.1	0.3	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		301	21.5	24.6	27.0	28.5	29.1	28.7	27.4	25.2	22.3	18.9	15.3	11.7	8.4	5.6	3.5	1.9	0.9	0.4	0.0
Flux(T)	295		21.4	24.6	27.0	28.5	29.1	28.7	27.3	25.2	22.2	18.9	15.2	11.6	8.3	5.1	1.8	0.0	0.0	0.0	0.0
Flux(E)																					

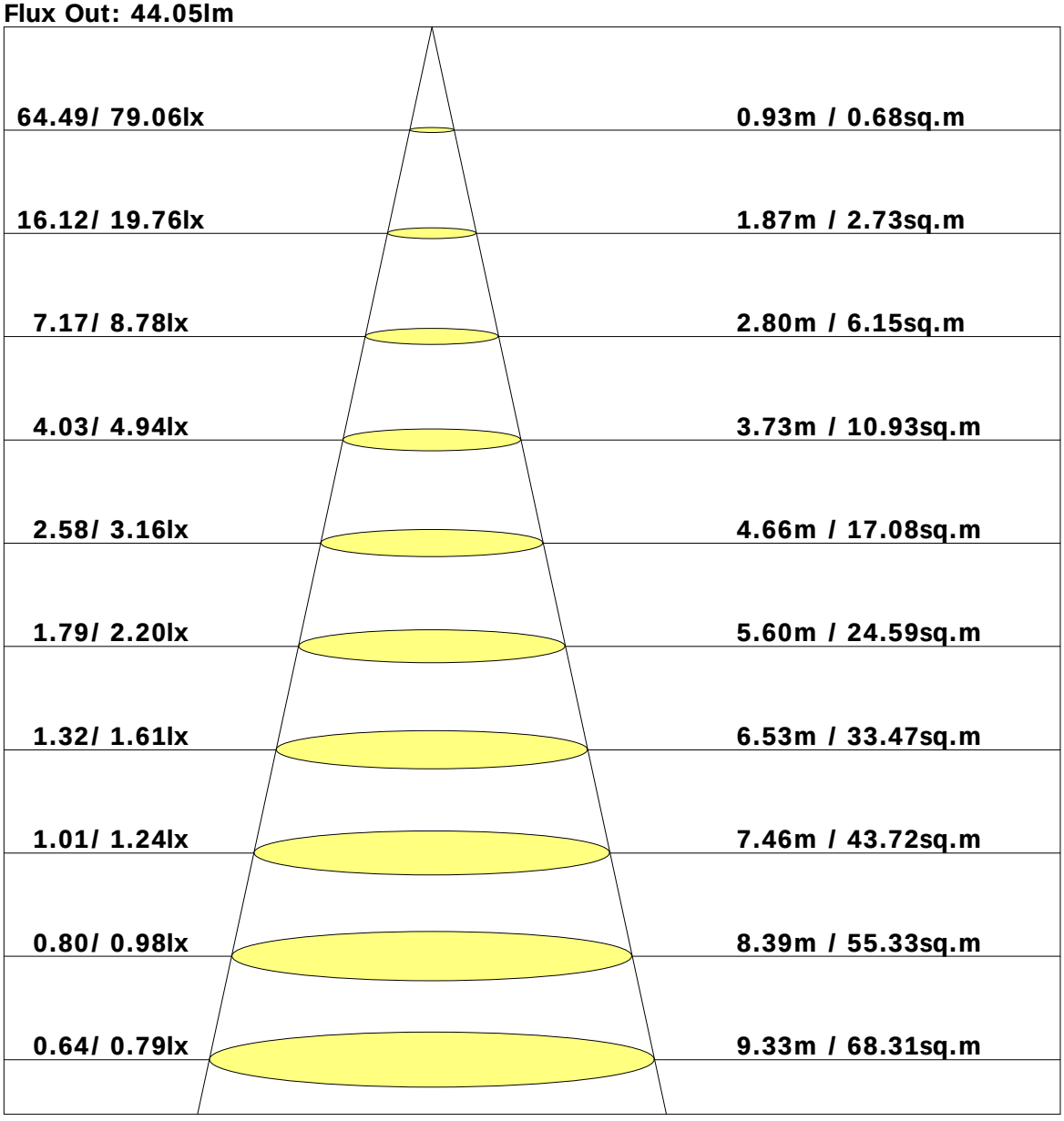
Horizontal plane

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: 44.05lm



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	20.5	21.9	21.2	22.6	23.3	24.6	25.9	25.2	26.6	27.3
3H	22.4	23.7	23.1	24.3	25.1	27.2	28.5	27.8	29.1	29.9
4H	23.1	24.3	23.8	25.0	25.8	28.5	29.7	29.1	30.3	31.1
6H	23.7	24.8	24.3	25.5	26.2	29.7	30.8	30.3	31.5	32.3
8H	23.8	24.9	24.5	25.6	26.4	30.3	31.3	30.9	32.0	32.8
12H	23.9	25.0	24.6	25.7	26.5	30.8	31.9	31.5	32.5	33.4
X=4H Y=2H	21.6	22.8	22.2	23.4	24.2	25.2	26.4	25.8	27.0	27.8
3H	23.8	24.8	24.4	25.5	26.3	28.1	29.2	28.8	29.8	30.6
4H	24.7	25.6	25.3	26.3	27.1	29.6	30.5	30.2	31.2	32.0
6H	25.4	26.2	26.1	27.0	27.8	31.0	31.8	31.6	32.5	33.4
8H	25.6	26.4	26.3	27.2	28.0	31.6	32.4	32.3	33.2	34.0
12H	25.8	26.5	26.5	27.3	28.1	32.3	33.0	33.0	33.8	34.6
X=8H Y=4H	25.5	26.3	26.2	27.0	27.9	29.9	30.7	30.6	31.4	32.3
6H	26.5	27.2	27.2	27.9	28.8	31.5	32.3	32.3	33.0	33.9
8H	26.9	27.5	27.6	28.3	29.1	32.4	33.0	33.1	33.8	34.6
12H	27.2	27.8	28.0	28.5	29.5	33.2	33.8	34.0	34.6	35.5
X=12H Y=4H	25.7	26.5	26.4	27.2	28.0	30.0	30.7	30.7	31.4	32.3
6H	26.8	27.5	27.6	28.2	29.1	31.7	32.3	32.4	33.0	33.9
8H	27.4	27.9	28.1	28.7	29.6	32.6	33.2	33.3	33.9	34.8

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	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.93
	0.30		0.41	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	0.47	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	0.49	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	0.64	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	0.64

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	1.02	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	0.95	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	0.37	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	0.59	0.48	0.41	0.36	0.29	0.25
	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	0.49	0.42	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	0.22	0.18

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	0.34	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40
	0.30		0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36
	0.20		0.22	0.23	0.25	0.26	0.28	0.29	0.30	0.32	0.33
0.50	0.50	0.20	0.33	0.34	0.35	0.36	0.37	0.37	0.37	0.38	0.38
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35
	0.20		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.31	0.32
0.30	0.50	0.20	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36
	0.30		0.26	0.27	0.28	0.29	0.30	0.31	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: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	78.1	0.1	0.1	0.02	0.02
1.0-2.0	78.1	0.2	0.3	0.06	0.08
2.0-3.0	78.0	0.4	0.7	0.10	0.18
3.0-4.0	78.0	0.5	1.2	0.14	0.32
4.0-5.0	77.9	0.7	1.9	0.18	0.51
5.0-6.0	77.8	0.8	2.7	0.22	0.73
6.0-7.0	77.6	1.0	3.6	0.26	0.99
7.0-8.0	77.5	1.1	4.8	0.30	1.29
8.0-9.0	77.3	1.3	6.0	0.34	1.63
9.0-10.0	77.1	1.4	7.4	0.38	2.01
10.0-11.0	76.9	1.5	8.9	0.42	2.43
11.0-12.0	76.7	1.7	10.6	0.46	2.89
12.0-13.0	76.4	1.8	12.4	0.49	3.38
13.0-14.0	76.2	1.9	14.4	0.53	3.91
14.0-15.0	75.9	2.1	16.5	0.57	4.47
15.0-16.0	75.6	2.2	18.7	0.60	5.08
16.0-17.0	75.2	2.3	21.0	0.64	5.71
17.0-18.0	74.9	2.5	23.5	0.67	6.38
18.0-19.0	74.5	2.6	26.1	0.70	7.09
19.0-20.0	74.1	2.7	28.8	0.74	7.82
20.0-21.0	73.7	2.8	31.6	0.77	8.59
21.0-22.0	73.2	2.9	34.6	0.80	9.39
22.0-23.0	72.8	3.1	37.6	0.83	10.22
23.0-24.0	72.3	3.2	40.8	0.86	11.08
24.0-25.0	71.9	3.3	44.1	0.89	11.97
25.0-26.0	71.4	3.4	47.4	0.92	12.89
26.0-27.0	70.9	3.5	50.9	0.94	13.83
27.0-28.0	70.3	3.6	54.4	0.97	14.80
28.0-29.0	69.8	3.7	58.1	0.99	15.79
29.0-30.0	69.2	3.7	61.8	1.02	16.80
30.0-31.0	68.7	3.8	65.7	1.04	17.84
31.0-32.0	68.1	3.9	69.6	1.06	18.90
32.0-33.0	67.5	4.0	73.5	1.08	19.98
33.0-34.0	66.8	4.0	77.6	1.10	21.08
34.0-35.0	66.2	4.1	81.7	1.12	22.20
35.0-36.0	65.6	4.2	85.9	1.13	23.33

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	64.9	4.2	90.1	1.15	24.48
37.0-38.0	64.2	4.3	94.4	1.17	25.65
38.0-39.0	63.6	4.3	98.7	1.18	26.83
39.0-40.0	62.9	4.4	103.1	1.19	28.02
40.0-41.0	62.1	4.4	107.5	1.20	29.22
41.0-42.0	61.4	4.5	112.0	1.21	30.44
42.0-43.0	60.7	4.5	116.5	1.22	31.66
43.0-44.0	60.0	4.5	121.0	1.23	32.89
44.0-45.0	59.2	4.6	125.6	1.24	34.13
45.0-46.0	58.5	4.6	130.2	1.24	35.37
46.0-47.0	57.7	4.6	134.7	1.25	36.62
47.0-48.0	56.9	4.6	139.3	1.25	37.87
48.0-49.0	56.2	4.6	144.0	1.25	39.12
49.0-50.0	55.4	4.6	148.6	1.25	40.38
50.0-51.0	54.6	4.6	153.2	1.26	41.63
51.0-52.0	53.8	4.6	157.8	1.25	42.89
52.0-53.0	53.0	4.6	162.4	1.25	44.14
53.0-54.0	52.2	4.6	167.0	1.25	45.39
54.0-55.0	51.4	4.6	171.6	1.25	46.64
55.0-56.0	50.5	4.6	176.2	1.24	47.88
56.0-57.0	49.7	4.5	180.7	1.23	49.11
57.0-58.0	48.9	4.5	185.2	1.23	50.34
58.0-59.0	48.0	4.5	189.7	1.22	51.56
59.0-60.0	47.2	4.5	194.2	1.21	52.77
60.0-61.0	46.4	4.4	198.6	1.20	53.97
61.0-62.0	45.5	4.4	203.0	1.19	55.17
62.0-63.0	44.7	4.3	207.3	1.18	56.35
63.0-64.0	43.8	4.3	211.6	1.17	57.52
64.0-65.0	43.0	4.3	215.9	1.16	58.67
65.0-66.0	42.1	4.2	220.1	1.14	59.81
66.0-67.0	41.3	4.2	224.3	1.13	60.94
67.0-68.0	40.4	4.1	228.4	1.11	62.06
68.0-69.0	39.6	4.0	232.4	1.10	63.15
69.0-70.0	38.7	4.0	236.4	1.08	64.23
70.0-71.0	37.9	3.9	240.3	1.06	65.30
71.0-72.0	37.1	3.9	244.1	1.05	66.35

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	36.2	3.8	247.9	1.03	67.38
73.0-74.0	35.4	3.7	251.7	1.01	68.39
74.0-75.0	34.6	3.7	255.3	0.99	69.38
75.0-76.0	33.7	3.6	258.9	0.97	70.35
76.0-77.0	32.9	3.5	262.4	0.95	71.31
77.0-78.0	32.1	3.4	265.8	0.93	72.24
78.0-79.0	31.3	3.4	269.2	0.91	73.15
79.0-80.0	30.5	3.3	272.5	0.89	74.04
80.0-81.0	29.7	3.2	275.7	0.87	74.92
81.0-82.0	28.9	3.1	278.8	0.85	75.77
82.0-83.0	28.1	3.1	281.9	0.83	76.60
83.0-84.0	27.3	3.0	284.8	0.81	77.41
84.0-85.0	26.6	2.9	287.7	0.79	78.19
85.0-86.0	25.8	2.8	290.6	0.77	78.96
86.0-87.0	25.1	2.7	293.3	0.75	79.71
87.0-88.0	24.3	2.7	296.0	0.72	80.43
88.0-89.0	23.6	2.6	298.6	0.70	81.14
89.0-90.0	23.0	2.5	301.1	0.68	81.82
90.0-91.0	22.3	2.4	303.5	0.66	82.48
91.0-92.0	21.7	2.4	305.9	0.65	83.13
92.0-93.0	21.2	2.3	308.2	0.63	83.76
93.0-94.0	20.7	2.3	310.5	0.62	84.38
94.0-95.0	20.2	2.2	312.7	0.60	84.98
95.0-96.0	19.8	2.2	314.9	0.59	85.57
96.0-97.0	19.3	2.1	317.0	0.57	86.14
97.0-98.0	18.8	2.0	319.0	0.56	86.69
98.0-99.0	18.4	2.0	321.0	0.54	87.24
99.0-100.0	18.0	1.9	323.0	0.53	87.76
100.0-101.0	17.5	1.9	324.8	0.51	88.28
101.0-102.0	17.1	1.8	326.7	0.50	88.78
102.0-103.0	16.7	1.8	328.5	0.48	89.26
103.0-104.0	16.3	1.7	330.2	0.47	89.73
104.0-105.0	15.8	1.7	331.9	0.46	90.19
105.0-106.0	15.4	1.6	333.5	0.44	90.63
106.0-107.0	15.0	1.6	335.1	0.43	91.06
107.0-108.0	14.6	1.5	336.6	0.42	91.48

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	14.2	1.5	338.1	0.40	91.88
109.0-110.0	13.8	1.4	339.5	0.39	92.27
110.0-111.0	13.5	1.4	340.9	0.38	92.64
111.0-112.0	13.1	1.3	342.2	0.36	93.00
112.0-113.0	12.7	1.3	343.5	0.35	93.36
113.0-114.0	12.4	1.2	344.8	0.34	93.69
114.0-115.0	12.0	1.2	346.0	0.33	94.02
115.0-116.0	11.6	1.2	347.1	0.31	94.33
116.0-117.0	11.3	1.1	348.2	0.30	94.63
117.0-118.0	10.9	1.1	349.3	0.29	94.92
118.0-119.0	10.6	1.0	350.3	0.28	95.20
119.0-120.0	10.3	1.0	351.3	0.27	95.47
120.0-121.0	10.0	0.9	352.2	0.26	95.72
121.0-122.0	9.7	0.9	353.1	0.25	95.97
122.0-123.0	9.4	0.9	354.0	0.24	96.20
123.0-124.0	9.1	0.8	354.8	0.23	96.43
124.0-125.0	8.8	0.8	355.6	0.22	96.64
125.0-126.0	8.5	0.8	356.4	0.21	96.85
126.0-127.0	8.2	0.7	357.1	0.20	97.05
127.0-128.0	7.9	0.7	357.8	0.19	97.23
128.0-129.0	7.7	0.7	358.5	0.18	97.41
129.0-130.0	7.4	0.6	359.1	0.17	97.58
130.0-131.0	7.1	0.6	359.7	0.16	97.74
131.0-132.0	6.8	0.6	360.2	0.15	97.90
132.0-133.0	6.6	0.5	360.8	0.14	98.04
133.0-134.0	6.3	0.5	361.3	0.14	98.18
134.0-135.0	6.1	0.5	361.8	0.13	98.31
135.0-136.0	5.9	0.5	362.2	0.12	98.43
136.0-137.0	5.7	0.4	362.6	0.12	98.55
137.0-138.0	5.4	0.4	363.0	0.11	98.66
138.0-139.0	5.3	0.4	363.4	0.10	98.76
139.0-140.0	5.0	0.4	363.8	0.10	98.86
140.0-141.0	4.8	0.3	364.1	0.09	98.95
141.0-142.0	4.7	0.3	364.4	0.09	99.04
142.0-143.0	4.5	0.3	364.7	0.08	99.12
143.0-144.0	4.2	0.3	365.0	0.07	99.19

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	4.0	0.3	365.3	0.07	99.26
145.0-146.0	3.8	0.2	365.5	0.06	99.32
146.0-147.0	3.7	0.2	365.7	0.06	99.38
147.0-148.0	3.5	0.2	365.9	0.06	99.44
148.0-149.0	3.3	0.2	366.1	0.05	99.49
149.0-150.0	3.2	0.2	366.3	0.05	99.54
150.0-151.0	3.0	0.2	366.4	0.04	99.58
151.0-152.0	2.9	0.2	366.6	0.04	99.62
152.0-153.0	2.8	0.1	366.7	0.04	99.66
153.0-154.0	2.6	0.1	366.9	0.04	99.70
154.0-155.0	2.5	0.1	367.0	0.03	99.73
155.0-156.0	2.4	0.1	367.1	0.03	99.76
156.0-157.0	2.3	0.1	367.2	0.03	99.79
157.0-158.0	2.2	0.1	367.3	0.03	99.81
158.0-159.0	2.1	0.1	367.4	0.02	99.84
159.0-160.0	2.0	0.1	367.5	0.02	99.86
160.0-161.0	1.9	0.1	367.5	0.02	99.87
161.0-162.0	1.8	0.1	367.6	0.02	99.89
162.0-163.0	1.7	0.1	367.6	0.02	99.91
163.0-164.0	1.6	0.1	367.7	0.01	99.92
164.0-165.0	1.6	0.0	367.7	0.01	99.93
165.0-166.0	1.4	0.0	367.8	0.01	99.94
166.0-167.0	1.3	0.0	367.8	0.01	99.95
167.0-168.0	1.3	0.0	367.8	0.01	99.96
168.0-169.0	1.2	0.0	367.9	0.01	99.97
169.0-170.0	1.2	0.0	367.9	0.01	99.97
170.0-171.0	1.1	0.0	367.9	0.01	99.98
171.0-172.0	1.1	0.0	367.9	0.00	99.98
172.0-173.0	1.0	0.0	367.9	0.00	99.99
173.0-174.0	1.0	0.0	368.0	0.00	99.99
174.0-175.0	0.9	0.0	368.0	0.00	99.99
175.0-176.0	0.9	0.0	368.0	0.00	100.00
176.0-177.0	0.8	0.0	368.0	0.00	100.00
177.0-178.0	0.8	0.0	368.0	0.00	100.00
178.0-179.0	0.7	0.0	368.0	0.00	100.00
179.0-180.0	0.7	0.0	368.0	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: