GENLED Brands
www.genledbrands.com
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Fax:

Report No.: **Test Time: 2023/9/5 16:29**

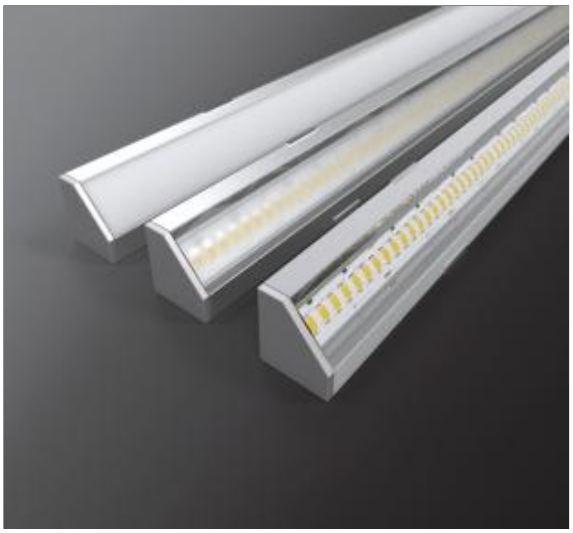
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAC3M90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 18.8**
Luminous Height (mm): 18.8 **Voltage: 24.0 V**
Current: 0.204 A **Power: 4.92 W**
Power Factor: 1.000

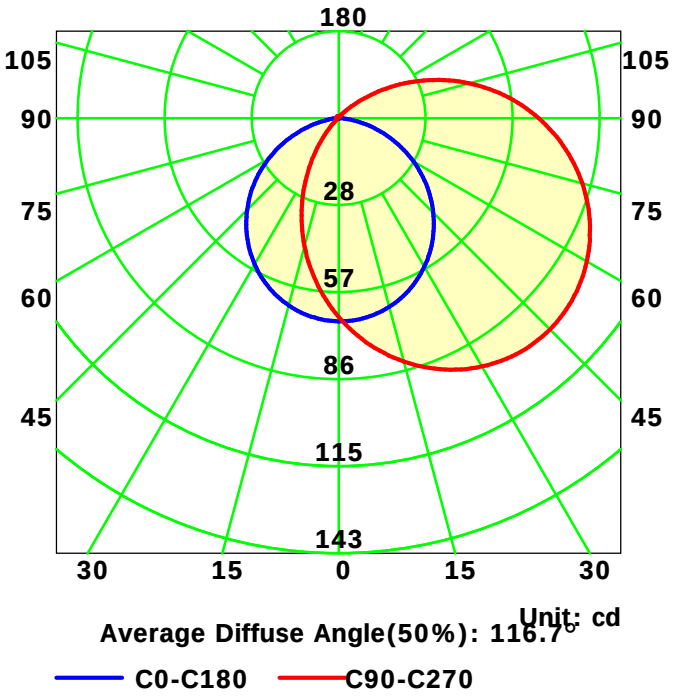
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 287.2 lm**
Measurement Flux: 287.2 lm **Efficiency: 100%**
Downward Ratio: 86% **Upward Ratio: 14%**
Horizontal Diffuse Angle(10%,50%): H157.6,H109.4
Vertical Diffuse Angle(10%,50%): V169.8,V124
Luminaire Efficacy Rating (LER): 58 **Central Intensity: 67.16 cd**
Max. Intensity: 98.77 cd **Pos of Max. Intensity: H90 V45**

Picture Of Luminaire

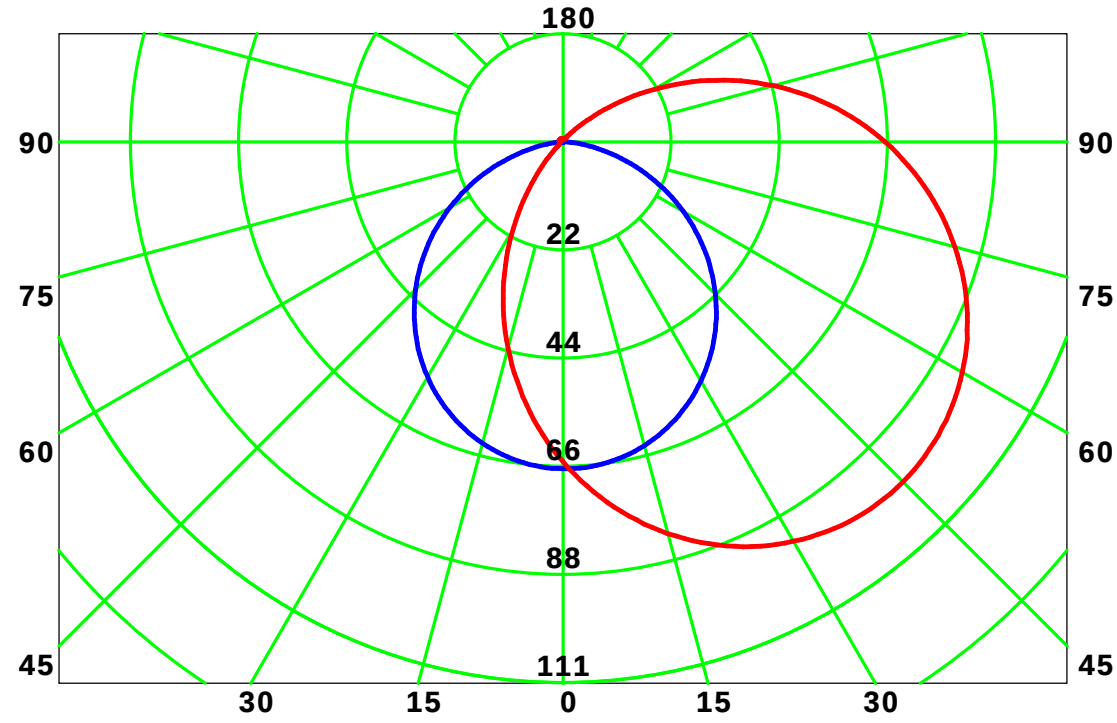


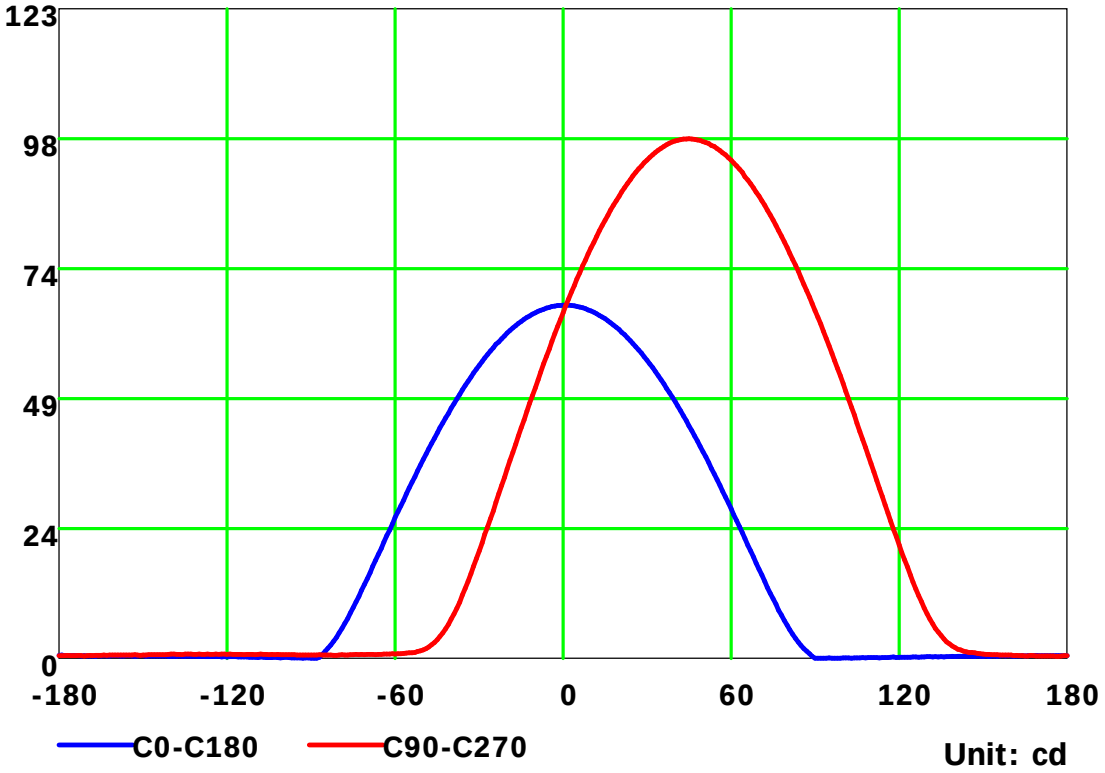
Luminous Intensity Distribution Curve



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





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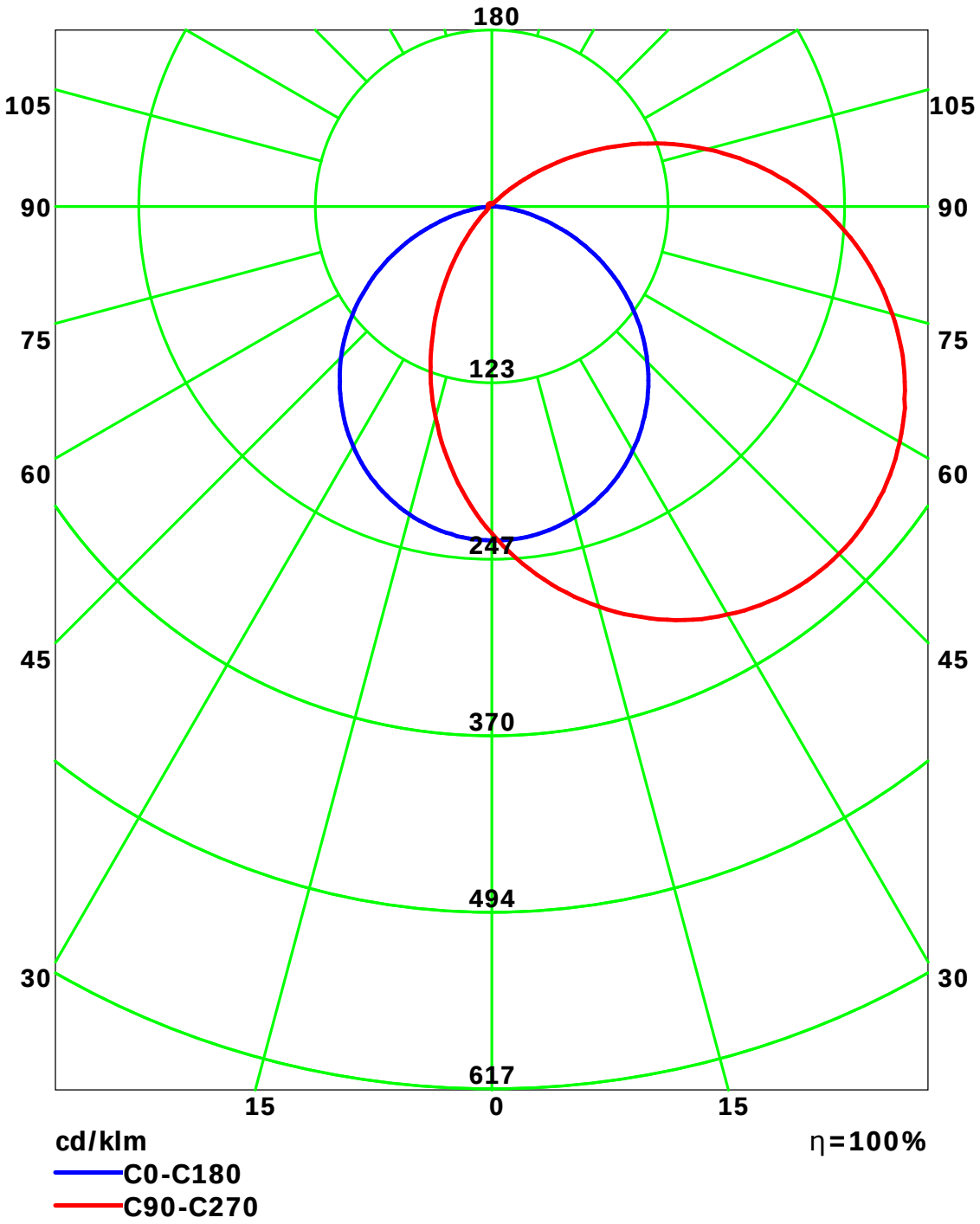
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
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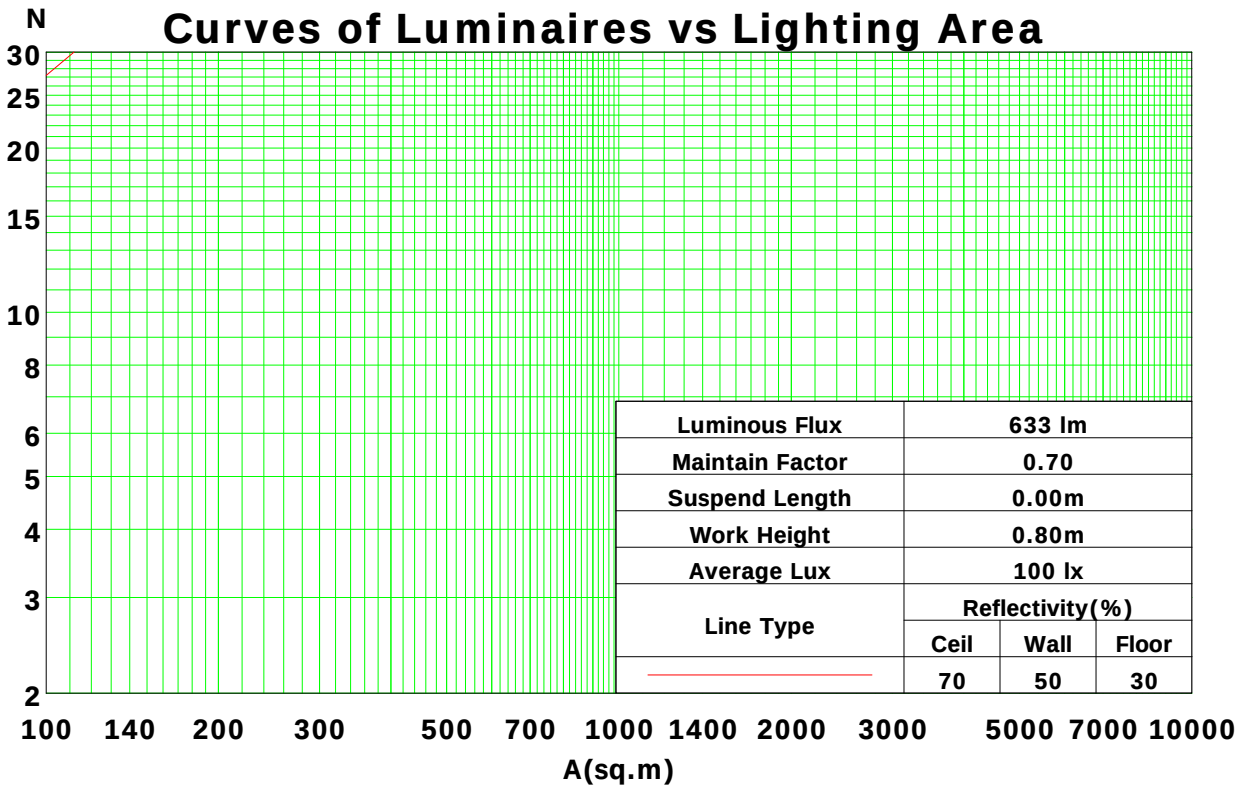
Distance: 9.028 m
Humidity: 60%
Inspector:

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	102	96	90	85	98	92	87	82	85	81	77	79	75	72	73	70	68	64
2	91	82	74	67	87	79	71	65	73	66	61	67	62	58	62	58	54	51
3	83	71	62	54	79	68	60	53	63	56	50	58	52	47	54	49	45	42
4	75	62	53	45	72	60	51	44	55	48	42	51	45	40	48	42	38	35
5	69	55	46	38	66	53	44	37	49	42	36	46	39	34	43	37	32	30
6	64	49	40	33	61	48	39	32	44	37	31	41	35	30	38	33	28	26
7	59	45	35	29	56	43	35	28	40	33	27	38	31	26	35	29	25	23
8	55	41	32	26	52	39	31	25	37	29	24	34	28	23	32	26	22	20
9	51	37	29	23	49	36	28	22	34	27	22	32	25	21	30	24	20	18
10	48	34	26	21	46	33	25	20	31	24	20	29	23	19	28	22	18	16

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.31
Spacing Criteria (Diagonal): 1.40

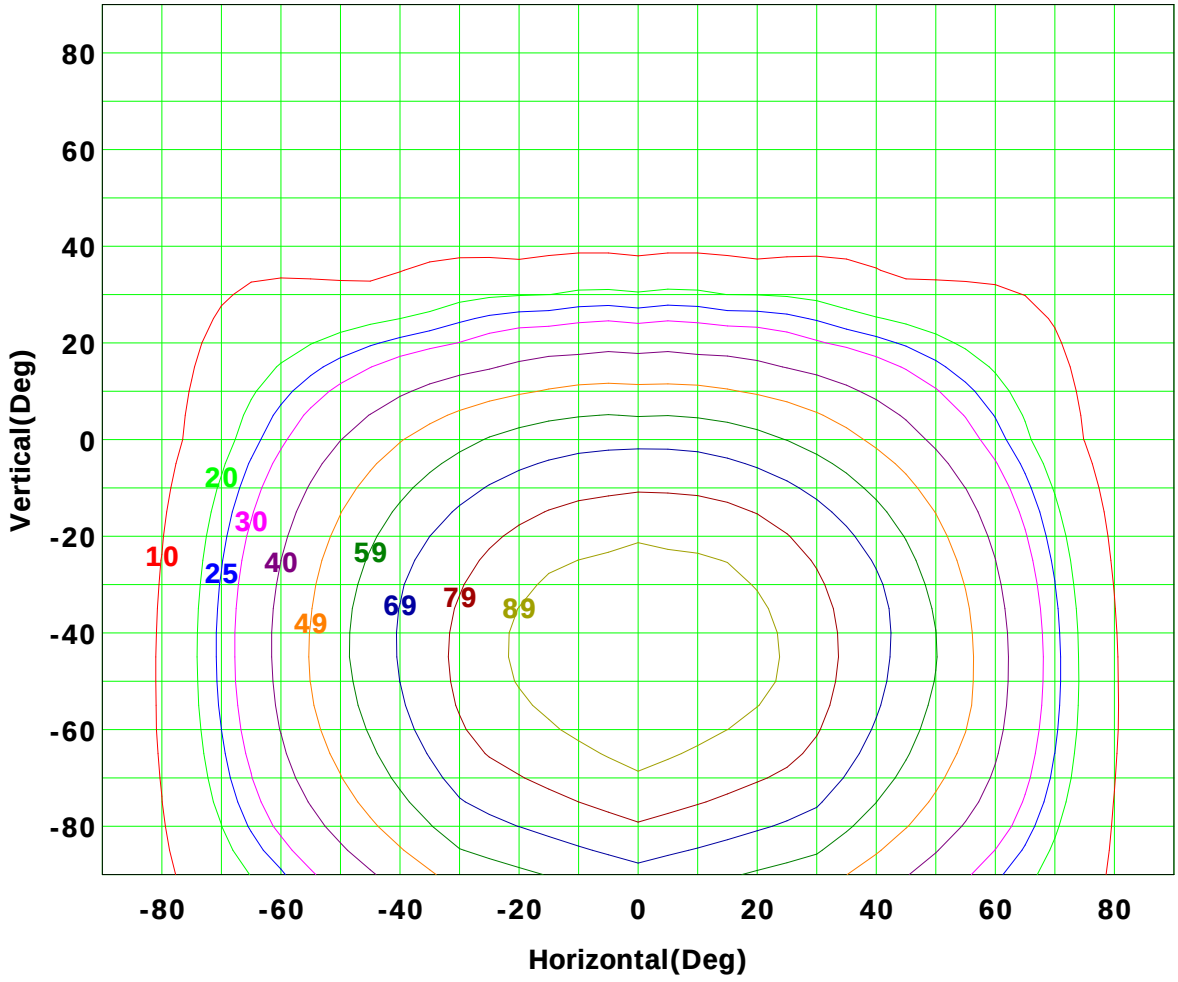
Curves of Luminaires vs Lighting Area



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)



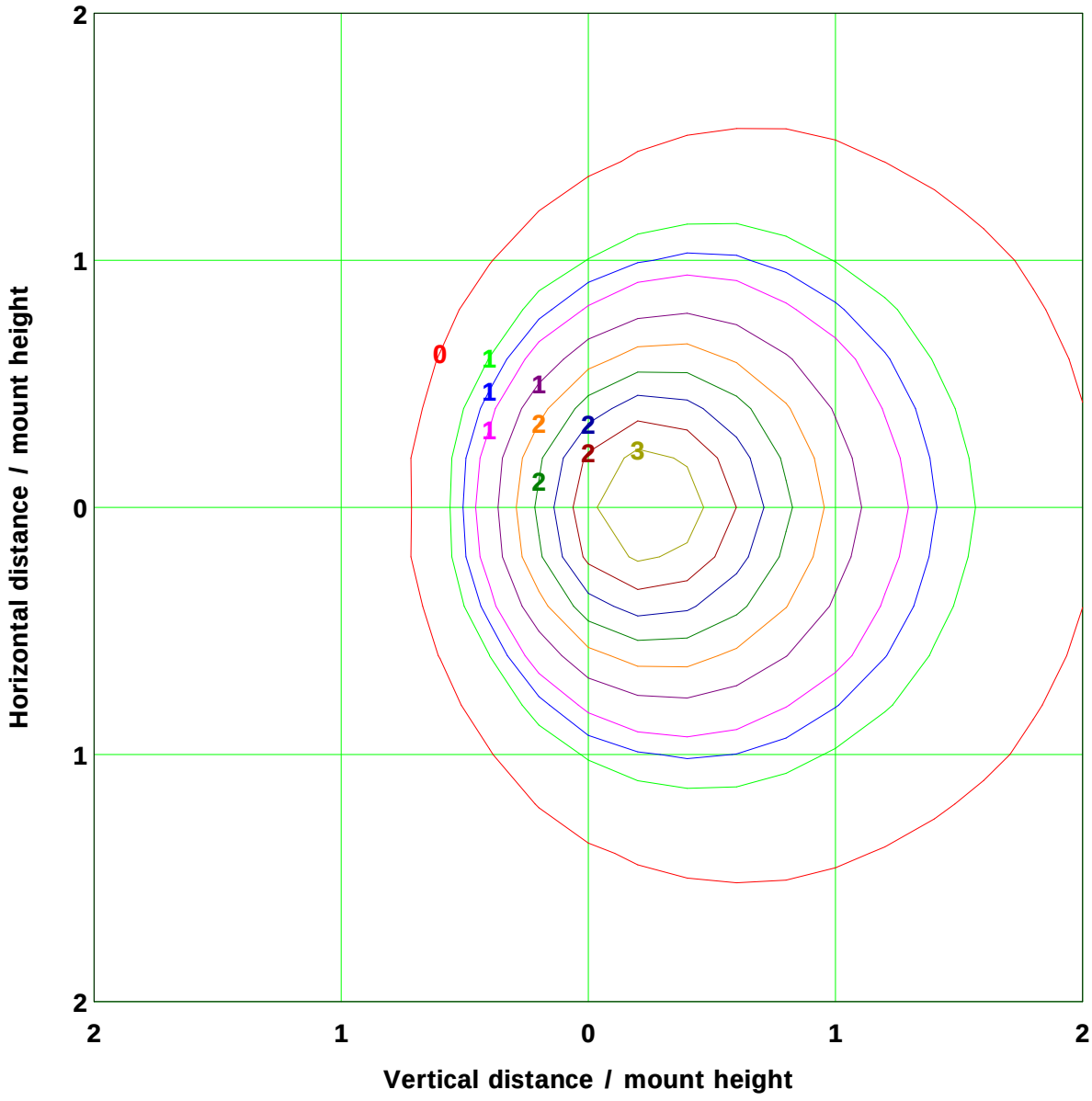
Imax (100%): 99 cd

(10%):	10 cd	(20%):	20 cd
(25%):	25 cd	(30%):	30 cd
(40%):	40 cd	(50%):	49 cd
(60%):	59 cd	(70%):	69 cd
(80%):	79 cd	(90%):	89 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%): 3.0 lx

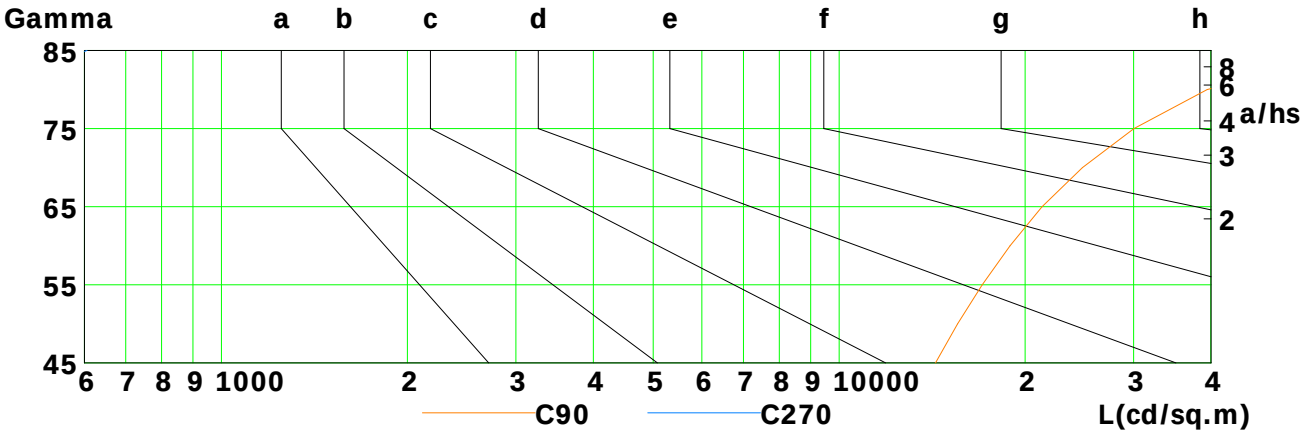
(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.8 lx	(30%): 0.9 lx
(40%): 1.2 lx	(50%): 1.5 lx
(60%): 1.8 lx	(70%): 2.1 lx
(80%): 2.4 lx	(90%): 2.7 lx

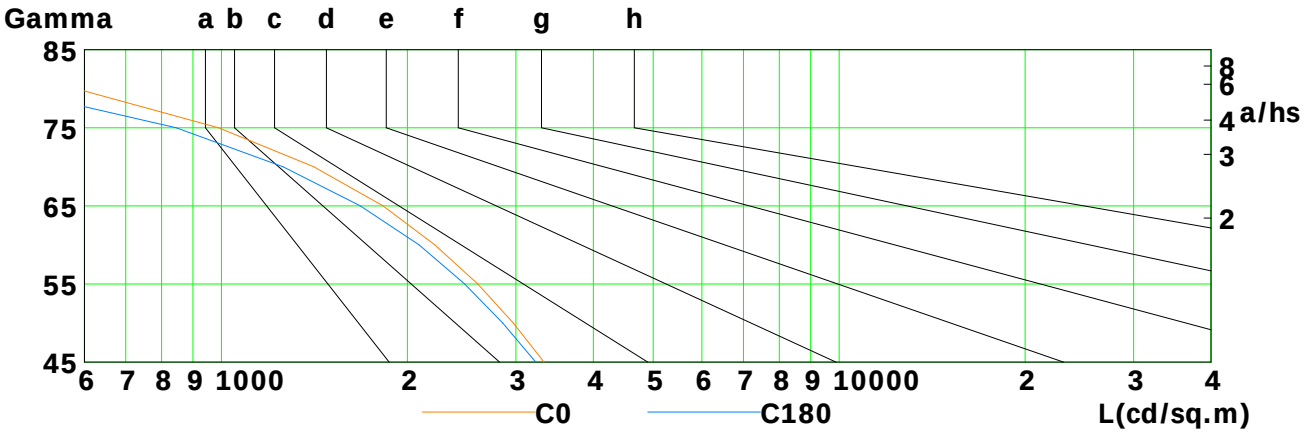
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h





L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3329	2968	2601	2217	1828	1412	989	583	249
C90	14320	15562	17055	18917	21323	24784	30040	39452	61817
C180	3229	2857	2477	2090	1679	1260	845	451	139
C270	523	265	194	172	196	231	263	348	606

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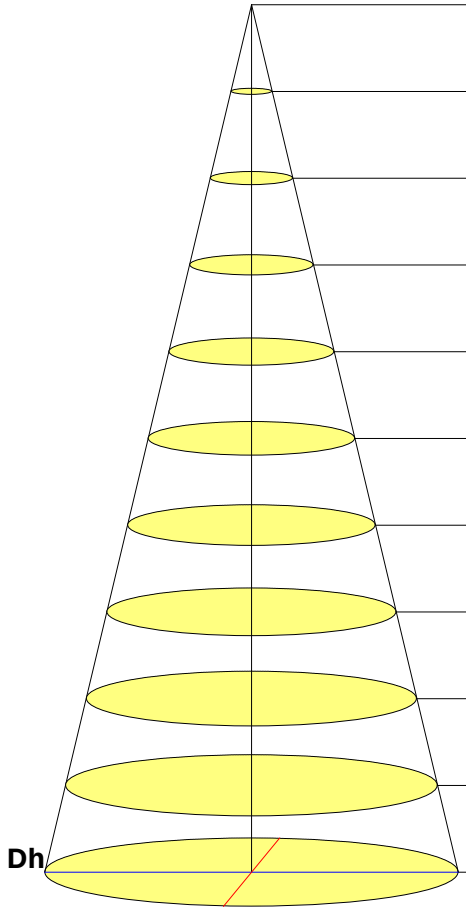
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Illuminance at a Distance



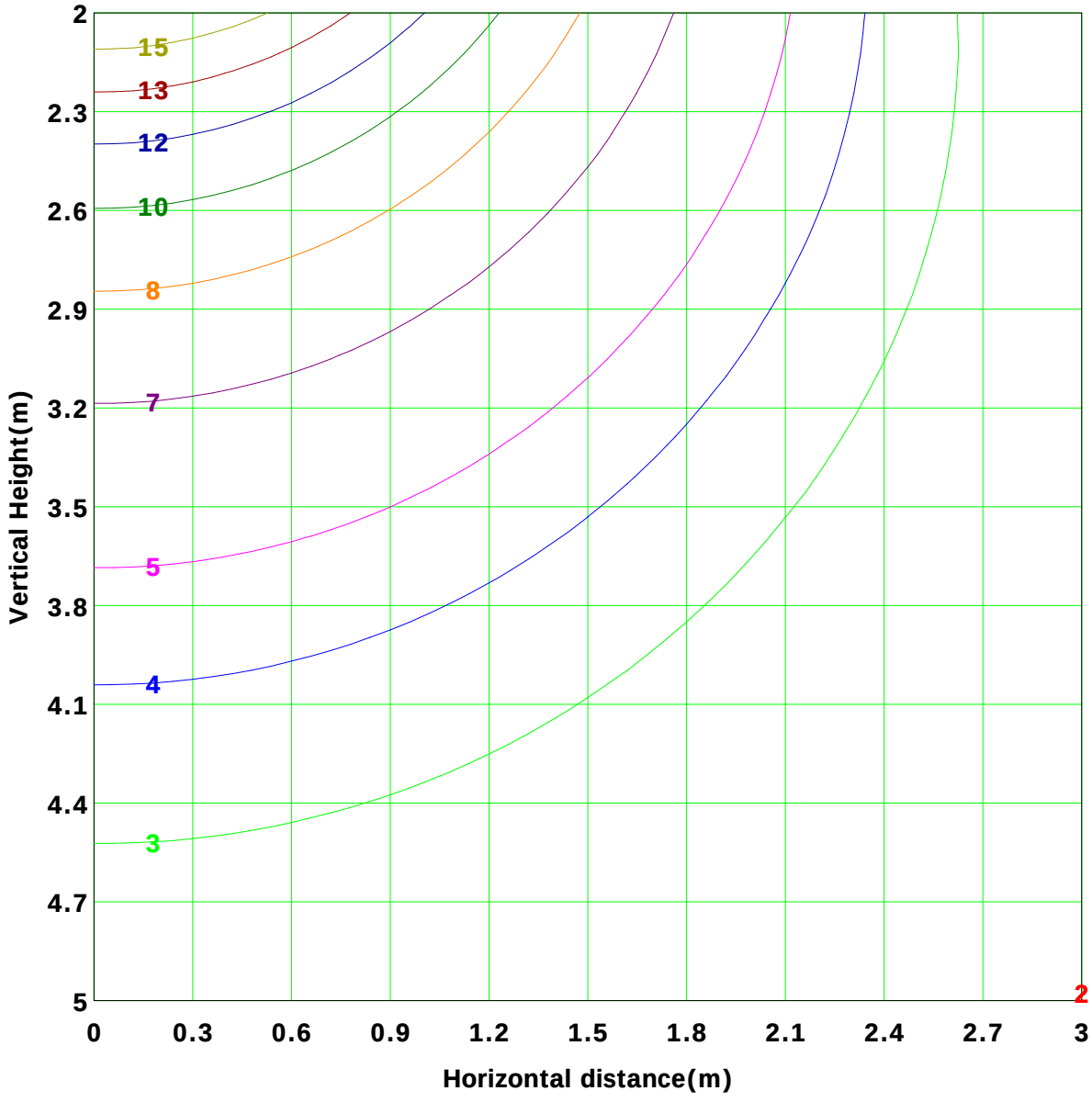
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	67.16	2.82/3.76	NA	NA
2.0	16.79	5.65/7.52	NA	NA
3.0	7.46	8.47/11.28	NA	NA
4.0	4.20	11.29/15.03	NA	NA
5.0	2.69	14.12/18.79	NA	NA
6.0	1.87	16.94/22.55	NA	NA
7.0	1.37	19.76/26.31	NA	NA
8.0	1.05	22.59/30.07	NA	NA
9.0	0.83	25.41/33.83	NA	NA
10.0	0.67	28.23/37.59	NA	NA

Beam Angle(B): H109.4 V124.0 Field Angle(F): H157.6 V169.8

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: 16.8 lx

(10%): 1.7 lx	(20%): 3.4 lx
(25%): 4.2 lx	(30%): 5.0 lx
(40%): 6.7 lx	(50%): 8.4 lx
(60%): 10.1 lx	(70%): 11.8 lx
(80%): 13.4 lx	(90%): 15.1 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:

Area Flux Table

Unit: lm

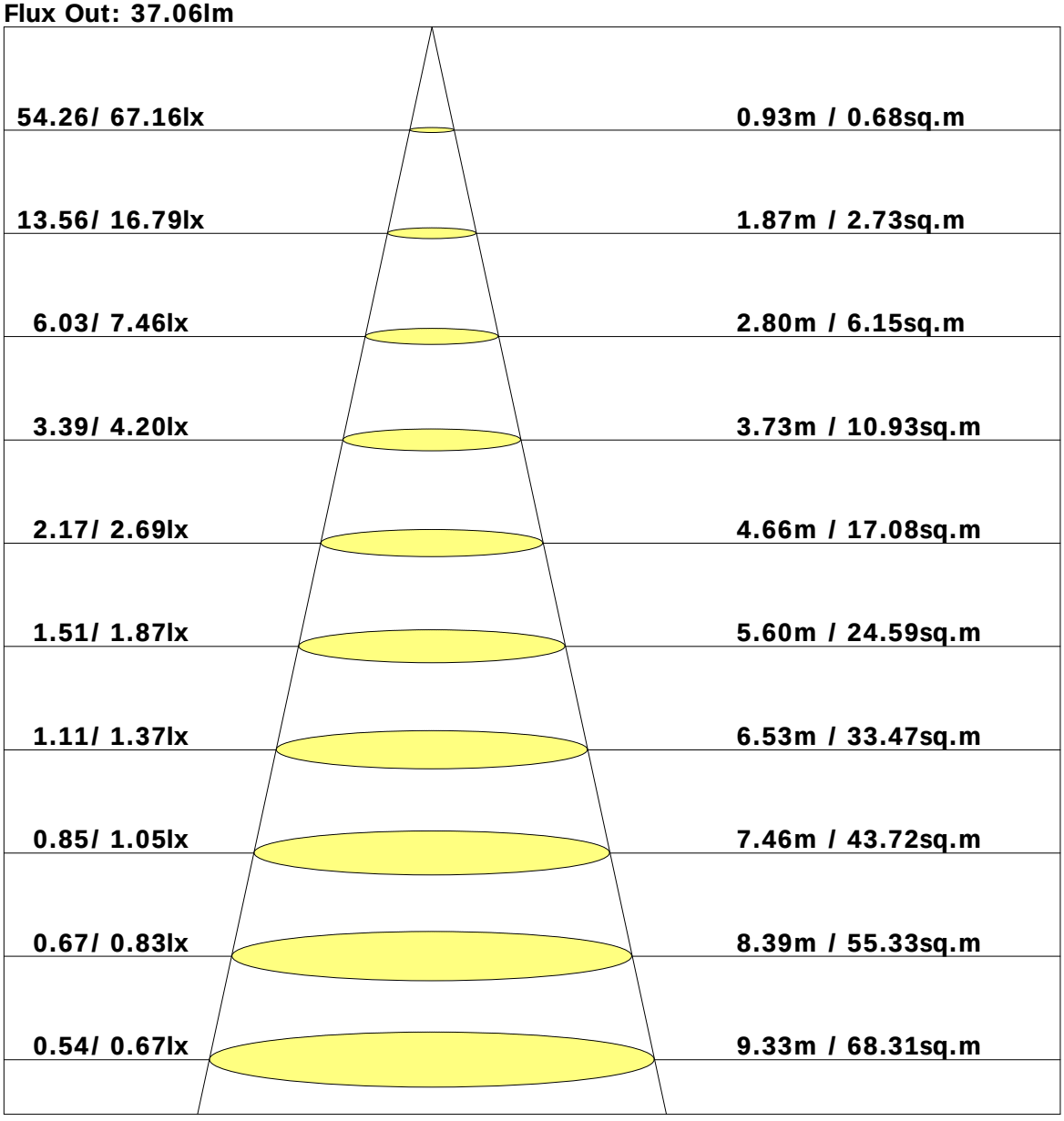
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	0.0	0.2	0.0
-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Flux(E)	0.0	1.2	4.1	8.3	13.1	18.2	22.8	26.0	27.8	27.7	25.7	22.5	17.9	12.8	8.1	4.2	1.3	0.0			242
Flux(T)	0.2	1.5	4.4	8.5	13.3	18.5	23.1	26.3	28.1	28.0	26.0	22.7	18.2	13.1	8.3	4.4	1.6	0.2	246		
90	0.0	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.1	2.1	1.9	1.7	1.3	0.9	0.6	0.3	0.1	0.0	18.2		18.2
80	0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.5	2.5	2.2	2.0	1.6	1.1	0.7	0.4	0.1	0.0	21.4		21.3
70	0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.5	2.7	2.7	2.5	2.2	1.7	1.2	0.8	0.4	0.1	0.0	23.7		23.6
60	0.0	0.1	0.4	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	25.2		25.1
50	0.0	0.1	0.4	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.7	2.4	1.9	1.4	0.9	0.4	0.2	0.0	25.7		25.7
40	0.0	0.2	0.5	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.7	2.4	1.9	1.4	0.9	0.4	0.2	0.0	25.4		25.3
30	0.0	0.1	0.4	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.7	2.3	1.9	1.4	0.9	0.4	0.1	0.0	24.1		24.1
20	0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.6	2.7	2.7	2.6	2.2	1.8	1.3	0.8	0.4	0.1	0.0	22.0		22.0
10	0.0	0.1	0.4	0.7	1.2	1.7	2.1	2.4	2.5	2.5	2.3	2.0	1.6	1.2	0.7	0.4	0.1	0.0	19.1		19.1
0	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.2	2.2	2.1	1.8	1.4	1.0	0.7	0.3	0.1	0.0	15.7		15.6
-10	0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.8	1.8	1.7	1.5	1.2	0.9	0.5	0.3	0.1	0.0	11.7		11.6
-20	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.3	1.3	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	7.6		7.5
-30	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.5	0.4	0.3	0.2	0.1	0.0	3.9		2.8
-40	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	1.4		0.0
-50	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.5		0.0
-60	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.3		0.0
-70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2		0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		0.0
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		0.0

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:

The Average Illuminance Effective Figure

Flux Out: 37.06lm



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

C Plane (°):0.0-360.0: 30.0
Test Lab:
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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	20.4	21.8	20.9	22.4	23.1	25.0	26.4	25.5	27.0	27.6
3H	22.2	23.5	22.8	24.1	24.8	27.6	28.9	28.2	29.5	30.2
4H	22.9	24.1	23.5	24.7	25.4	28.8	30.1	29.4	30.7	31.4
6H	23.3	24.5	23.9	25.1	25.8	30.0	31.2	30.6	31.8	32.5
8H	23.5	24.6	24.1	25.3	26.0	30.6	31.7	31.2	32.3	33.0
12H	23.6	24.7	24.2	25.3	26.0	31.1	32.2	31.7	32.8	33.6
X=4H Y=2H	21.5	22.8	22.1	23.4	24.1	25.6	26.8	26.2	27.4	28.1
3H	23.7	24.8	24.3	25.4	26.1	28.5	29.6	29.1	30.2	30.9
4H	24.6	25.6	25.2	26.2	27.0	29.9	30.9	30.5	31.6	32.3
6H	25.2	26.1	25.9	26.8	27.5	31.3	32.2	31.9	32.8	33.6
8H	25.4	26.3	26.1	27.0	27.7	31.9	32.8	32.6	33.4	34.2
12H	25.6	26.4	26.3	27.1	27.8	32.6	33.3	33.2	34.0	34.8
X=8H Y=4H	25.5	26.3	26.1	27.0	27.7	30.3	31.1	30.9	31.8	32.6
6H	26.4	27.2	27.1	27.9	28.6	31.9	32.6	32.6	33.3	34.1
8H	26.8	27.5	27.5	28.2	29.0	32.7	33.4	33.4	34.1	34.8
12H	27.1	27.7	27.8	28.4	29.3	33.5	34.1	34.2	34.8	35.6
X=12H Y=4H	25.7	26.5	26.4	27.2	27.9	30.3	31.1	31.0	31.8	32.6
6H	26.8	27.5	27.5	28.1	29.0	32.0	32.7	32.7	33.3	34.2
8H	27.3	27.9	28.0	28.6	29.4	32.9	33.5	33.6	34.2	35.0

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	0.50	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.94
	0.30		0.41	0.49	0.56	0.61	0.69	0.75	0.79	0.85	0.89
	0.20		0.36	0.43	0.50	0.55	0.63	0.69	0.73	0.80	0.85
0.50	0.50	0.20	0.47	0.54	0.60	0.64	0.71	0.76	0.79	0.83	0.87
	0.30		0.40	0.46	0.53	0.58	0.65	0.70	0.74	0.79	0.83
	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	0.44	0.50	0.56	0.60	0.66	0.70	0.73	0.77	0.80
	0.30		0.38	0.44	0.50	0.55	0.61	0.66	0.69	0.74	0.77
	0.20		0.33	0.39	0.45	0.50	0.57	0.62	0.65	0.71	0.74
0.00	0.00	0.00	0.30	0.35	0.41	0.45	0.51	0.55	0.58	0.63	0.67

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	1.03	0.89	0.78	0.69	0.57	0.49	0.43	0.35	0.29
	0.30		0.86	0.76	0.68	0.61	0.52	0.45	0.40	0.33	0.28
	0.20		0.73	0.67	0.60	0.55	0.47	0.41	0.37	0.31	0.26
0.50	0.50	0.20	0.96	0.84	0.73	0.65	0.54	0.48	0.40	0.32	0.27
	0.30		0.81	0.73	0.64	0.58	0.49	0.42	0.38	0.31	0.26
	0.20		0.71	0.64	0.57	0.53	0.45	0.39	0.35	0.29	0.25
0.30	0.50	0.20	0.91	0.78	0.68	0.61	0.50	0.43	0.38	0.30	0.26
	0.30		0.77	0.69	0.61	0.55	0.46	0.40	0.36	0.29	0.25
	0.20		0.68	0.61	0.55	0.50	0.43	0.38	0.34	0.28	0.24
0.00	0.00	0.00	0.56	0.51	0.45	0.41	0.35	0.31	0.27	0.23	0.19

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	0.30	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36
	0.30		0.23	0.25	0.26	0.27	0.29	0.30	0.30	0.32	0.32
	0.20		0.18	0.20	0.21	0.22	0.24	0.25	0.26	0.28	0.29
0.50	0.50	0.20	0.29	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34
	0.30		0.23	0.24	0.25	0.26	0.28	0.29	0.29	0.30	0.31
	0.20		0.18	0.19	0.21	0.22	0.23	0.25	0.26	0.27	0.28
0.30	0.50	0.20	0.28	0.30	0.30	0.31	0.32	0.32	0.32	0.33	0.33
	0.30		0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.30
	0.20		0.18	0.19	0.20	0.21	0.23	0.24	0.25	0.26	0.27
0.00	0.00	0.00	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

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	66.4	0.1	0.1	0.02	0.02
1.0-2.0	66.4	0.2	0.3	0.07	0.09
2.0-3.0	66.3	0.3	0.6	0.11	0.20
3.0-4.0	66.2	0.4	1.0	0.15	0.35
4.0-5.0	66.1	0.6	1.6	0.20	0.55
5.0-6.0	66.0	0.7	2.3	0.24	0.79
6.0-7.0	65.9	0.8	3.1	0.28	1.08
7.0-8.0	65.7	0.9	4.0	0.33	1.41
8.0-9.0	65.6	1.1	5.1	0.37	1.78
9.0-10.0	65.4	1.2	6.3	0.41	2.19
10.0-11.0	65.1	1.3	7.6	0.45	2.64
11.0-12.0	64.9	1.4	9.0	0.49	3.13
12.0-13.0	64.6	1.5	10.5	0.53	3.67
13.0-14.0	64.3	1.6	12.2	0.57	4.24
14.0-15.0	64.0	1.8	13.9	0.61	4.85
15.0-16.0	63.7	1.9	15.8	0.65	5.50
16.0-17.0	63.4	2.0	17.8	0.69	6.19
17.0-18.0	63.0	2.1	19.9	0.72	6.92
18.0-19.0	62.6	2.2	22.0	0.76	7.67
19.0-20.0	62.2	2.3	24.3	0.79	8.47
20.0-21.0	61.8	2.4	26.7	0.83	9.29
21.0-22.0	61.3	2.5	29.1	0.86	10.15
22.0-23.0	60.8	2.6	31.7	0.89	11.04
23.0-24.0	60.4	2.6	34.3	0.92	11.96
24.0-25.0	59.8	2.7	37.1	0.95	12.91
25.0-26.0	59.3	2.8	39.9	0.98	13.88
26.0-27.0	58.8	2.9	42.7	1.00	14.88
27.0-28.0	58.2	2.9	45.7	1.03	15.91
28.0-29.0	57.7	3.0	48.7	1.05	16.96
29.0-30.0	57.0	3.1	51.8	1.07	18.03
30.0-31.0	56.4	3.1	54.9	1.09	19.13
31.0-32.0	55.8	3.2	58.1	1.11	20.24
32.0-33.0	55.2	3.3	61.4	1.13	21.37
33.0-34.0	54.6	3.3	64.7	1.15	22.52
34.0-35.0	53.9	3.3	68.0	1.17	23.69
35.0-36.0	53.3	3.4	71.4	1.18	24.87

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	52.6	3.4	74.9	1.19	26.06
37.0-38.0	51.9	3.5	78.3	1.21	27.27
38.0-39.0	51.2	3.5	81.8	1.22	28.49
39.0-40.0	50.5	3.5	85.3	1.23	29.72
40.0-41.0	49.8	3.5	88.9	1.24	30.95
41.0-42.0	49.2	3.6	92.5	1.24	32.19
42.0-43.0	48.5	3.6	96.0	1.25	33.45
43.0-44.0	47.8	3.6	99.7	1.26	34.70
44.0-45.0	47.1	3.6	103.3	1.26	35.96
45.0-46.0	46.5	3.6	106.9	1.27	37.23
46.0-47.0	45.8	3.6	110.6	1.27	38.50
47.0-48.0	45.2	3.7	114.2	1.27	39.77
48.0-49.0	44.5	3.7	117.9	1.27	41.04
49.0-50.0	43.9	3.7	121.5	1.27	42.32
50.0-51.0	43.3	3.7	125.2	1.27	43.59
51.0-52.0	42.6	3.7	128.9	1.27	44.87
52.0-53.0	42.0	3.7	132.5	1.27	46.14
53.0-54.0	41.4	3.6	136.2	1.27	47.41
54.0-55.0	40.8	3.6	139.8	1.27	48.68
55.0-56.0	40.2	3.6	143.4	1.26	49.95
56.0-57.0	39.6	3.6	147.1	1.26	51.21
57.0-58.0	39.0	3.6	150.7	1.26	52.46
58.0-59.0	38.4	3.6	154.3	1.25	53.71
59.0-60.0	37.8	3.6	157.8	1.24	54.96
60.0-61.0	37.2	3.6	161.4	1.24	56.19
61.0-62.0	36.6	3.5	164.9	1.23	57.42
62.0-63.0	36.0	3.5	168.4	1.22	58.64
63.0-64.0	35.5	3.5	171.9	1.21	59.86
64.0-65.0	34.9	3.5	175.3	1.20	61.06
65.0-66.0	34.3	3.4	178.8	1.19	62.25
66.0-67.0	33.7	3.4	182.2	1.18	63.43
67.0-68.0	33.1	3.4	185.5	1.17	64.60
68.0-69.0	32.5	3.3	188.8	1.16	65.75
69.0-70.0	31.9	3.3	192.1	1.14	66.89
70.0-71.0	31.3	3.2	195.3	1.13	68.02
71.0-72.0	30.7	3.2	198.5	1.11	69.13

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	30.1	3.1	201.7	1.10	70.23
73.0-74.0	29.5	3.1	204.8	1.08	71.31
74.0-75.0	28.9	3.1	207.8	1.06	72.37
75.0-76.0	28.2	3.0	210.8	1.04	73.42
76.0-77.0	27.6	2.9	213.8	1.03	74.44
77.0-78.0	27.0	2.9	216.7	1.01	75.45
78.0-79.0	26.3	2.8	219.5	0.99	76.43
79.0-80.0	25.7	2.8	222.3	0.96	77.40
80.0-81.0	25.0	2.7	225.0	0.94	78.34
81.0-82.0	24.4	2.6	227.6	0.92	79.26
82.0-83.0	23.7	2.6	230.2	0.90	80.16
83.0-84.0	23.1	2.5	232.7	0.88	81.03
84.0-85.0	22.4	2.4	235.2	0.85	81.89
85.0-86.0	21.7	2.4	237.5	0.83	82.71
86.0-87.0	21.1	2.3	239.8	0.80	83.52
87.0-88.0	20.4	2.2	242.1	0.78	84.30
88.0-89.0	19.8	2.2	244.2	0.75	85.05
89.0-90.0	19.2	2.1	246.3	0.73	85.78
90.0-91.0	18.6	2.0	248.4	0.71	86.49
91.0-92.0	18.0	2.0	250.4	0.69	87.18
92.0-93.0	17.5	1.9	252.3	0.67	87.85
93.0-94.0	17.0	1.9	254.1	0.65	88.49
94.0-95.0	16.5	1.8	255.9	0.63	89.12
95.0-96.0	16.0	1.7	257.7	0.61	89.73
96.0-97.0	15.5	1.7	259.4	0.59	90.31
97.0-98.0	14.9	1.6	261.0	0.57	90.88
98.0-99.0	14.4	1.6	262.6	0.55	91.42
99.0-100.0	13.9	1.5	264.1	0.52	91.95
100.0-101.0	13.4	1.4	265.5	0.50	92.45
101.0-102.0	12.9	1.4	266.9	0.48	92.94
102.0-103.0	12.4	1.3	268.2	0.46	93.40
103.0-104.0	11.9	1.3	269.5	0.44	93.84
104.0-105.0	11.4	1.2	270.7	0.42	94.26
105.0-106.0	10.9	1.2	271.9	0.40	94.66
106.0-107.0	10.4	1.1	272.9	0.38	95.04
107.0-108.0	9.9	1.0	274.0	0.36	95.41

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	9.4	1.0	275.0	0.34	95.75
109.0-110.0	9.0	0.9	275.9	0.32	96.07
110.0-111.0	8.5	0.9	276.8	0.30	96.37
111.0-112.0	8.0	0.8	277.6	0.29	96.66
112.0-113.0	7.6	0.8	278.4	0.27	96.93
113.0-114.0	7.1	0.7	279.1	0.25	97.18
114.0-115.0	6.7	0.7	279.7	0.23	97.41
115.0-116.0	6.3	0.6	280.4	0.22	97.63
116.0-117.0	5.9	0.6	280.9	0.20	97.83
117.0-118.0	5.5	0.5	281.5	0.19	98.01
118.0-119.0	5.1	0.5	282.0	0.17	98.19
119.0-120.0	4.8	0.5	282.4	0.16	98.35
120.0-121.0	4.4	0.4	282.8	0.15	98.49
121.0-122.0	4.1	0.4	283.2	0.13	98.62
122.0-123.0	3.8	0.3	283.6	0.12	98.75
123.0-124.0	3.5	0.3	283.9	0.11	98.86
124.0-125.0	3.2	0.3	284.2	0.10	98.96
125.0-126.0	2.9	0.3	284.4	0.09	99.05
126.0-127.0	2.6	0.2	284.7	0.08	99.13
127.0-128.0	2.4	0.2	284.9	0.07	99.20
128.0-129.0	2.2	0.2	285.1	0.07	99.26
129.0-130.0	2.0	0.2	285.2	0.06	99.32
130.0-131.0	1.8	0.1	285.4	0.05	99.37
131.0-132.0	1.6	0.1	285.5	0.05	99.42
132.0-133.0	1.5	0.1	285.6	0.04	99.46
133.0-134.0	1.3	0.1	285.7	0.04	99.50
134.0-135.0	1.2	0.1	285.8	0.03	99.53
135.0-136.0	1.1	0.1	285.9	0.03	99.56
136.0-137.0	1.0	0.1	286.0	0.03	99.59
137.0-138.0	1.0	0.1	286.1	0.03	99.62
138.0-139.0	0.9	0.1	286.1	0.02	99.64
139.0-140.0	0.9	0.1	286.2	0.02	99.66
140.0-141.0	0.8	0.1	286.3	0.02	99.68
141.0-142.0	0.8	0.1	286.3	0.02	99.70
142.0-143.0	0.8	0.1	286.4	0.02	99.72
143.0-144.0	0.7	0.0	286.4	0.02	99.74

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.7	0.0	286.5	0.02	99.75
145.0-146.0	0.7	0.0	286.5	0.02	99.77
146.0-147.0	0.7	0.0	286.5	0.01	99.78
147.0-148.0	0.7	0.0	286.6	0.01	99.79
148.0-149.0	0.7	0.0	286.6	0.01	99.81
149.0-150.0	0.7	0.0	286.7	0.01	99.82
150.0-151.0	0.7	0.0	286.7	0.01	99.83
151.0-152.0	0.7	0.0	286.7	0.01	99.85
152.0-153.0	0.6	0.0	286.8	0.01	99.86
153.0-154.0	0.6	0.0	286.8	0.01	99.87
154.0-155.0	0.6	0.0	286.8	0.01	99.88
155.0-156.0	0.6	0.0	286.9	0.01	99.89
156.0-157.0	0.6	0.0	286.9	0.01	99.90
157.0-158.0	0.6	0.0	286.9	0.01	99.91
158.0-159.0	0.6	0.0	286.9	0.01	99.92
159.0-160.0	0.6	0.0	287.0	0.01	99.92
160.0-161.0	0.6	0.0	287.0	0.01	99.93
161.0-162.0	0.6	0.0	287.0	0.01	99.94
162.0-163.0	0.6	0.0	287.0	0.01	99.95
163.0-164.0	0.6	0.0	287.0	0.01	99.95
164.0-165.0	0.6	0.0	287.1	0.01	99.96
165.0-166.0	0.6	0.0	287.1	0.01	99.96
166.0-167.0	0.6	0.0	287.1	0.01	99.97
167.0-168.0	0.6	0.0	287.1	0.00	99.97
168.0-169.0	0.6	0.0	287.1	0.00	99.98
169.0-170.0	0.6	0.0	287.1	0.00	99.98
170.0-171.0	0.6	0.0	287.1	0.00	99.98
171.0-172.0	0.5	0.0	287.1	0.00	99.99
172.0-173.0	0.6	0.0	287.2	0.00	99.99
173.0-174.0	0.6	0.0	287.2	0.00	99.99
174.0-175.0	0.6	0.0	287.2	0.00	100.00
175.0-176.0	0.6	0.0	287.2	0.00	100.00
176.0-177.0	0.6	0.0	287.2	0.00	100.00
177.0-178.0	0.6	0.0	287.2	0.00	100.00
178.0-179.0	0.6	0.0	287.2	0.00	100.00
179.0-180.0	0.6	0.0	287.2	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: