GENLED Brands
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Report No.: **Test Time: 2023/9/26 14:42**

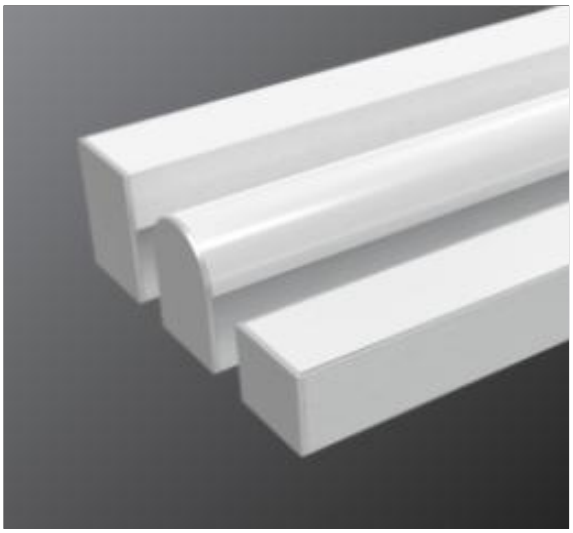
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAS30MRB90SWDR206.030
Luminous Length (mm): 500 **Luminous Width (mm): 33.4**
Luminous Height (mm): 29.6 **Voltage: 24.0 V**
Current: 0.401 A **Power: 9.70 W**
Power Factor: 1.000

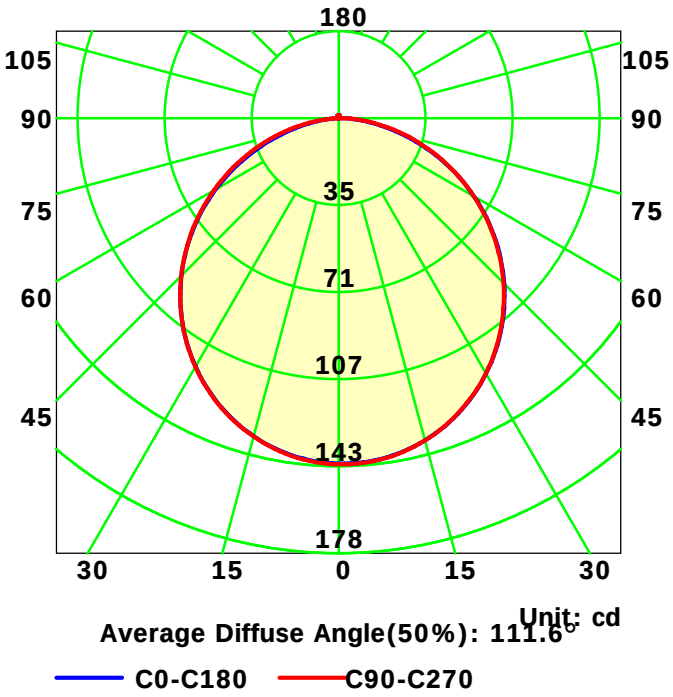
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 406.7 lm**
Measurement Flux: 406.7 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H160.7,H111.6
Vertical Diffuse Angle(10%,50%): V162.4,V111.6
Luminaire Efficacy Rating (LER): 42 **Central Intensity: 142.09 cd**
Max. Intensity: 142.62 cd **Pos of Max. Intensity: H150 V1**

Picture Of Luminaire

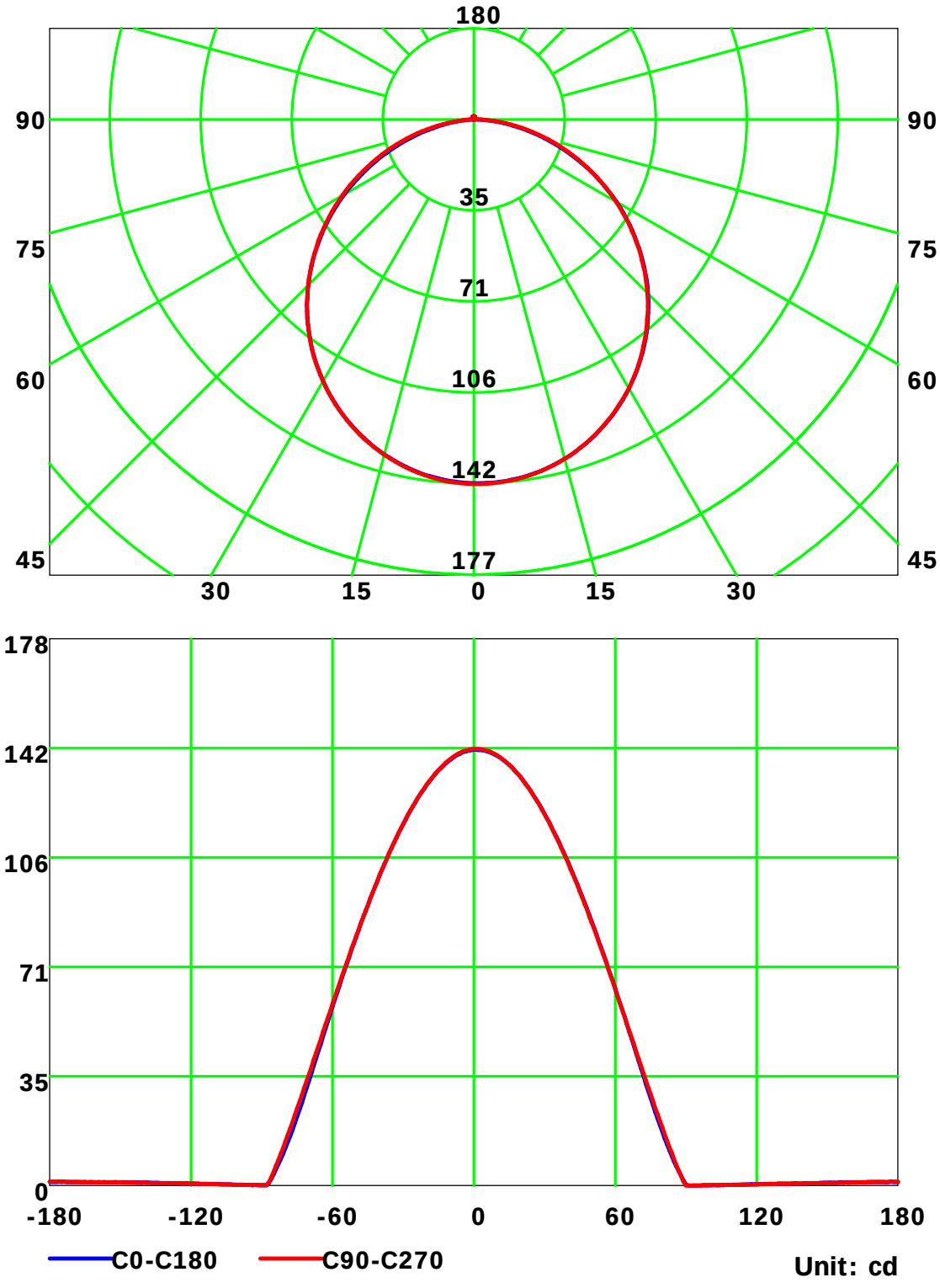


Luminous Intensity Distribution Curve



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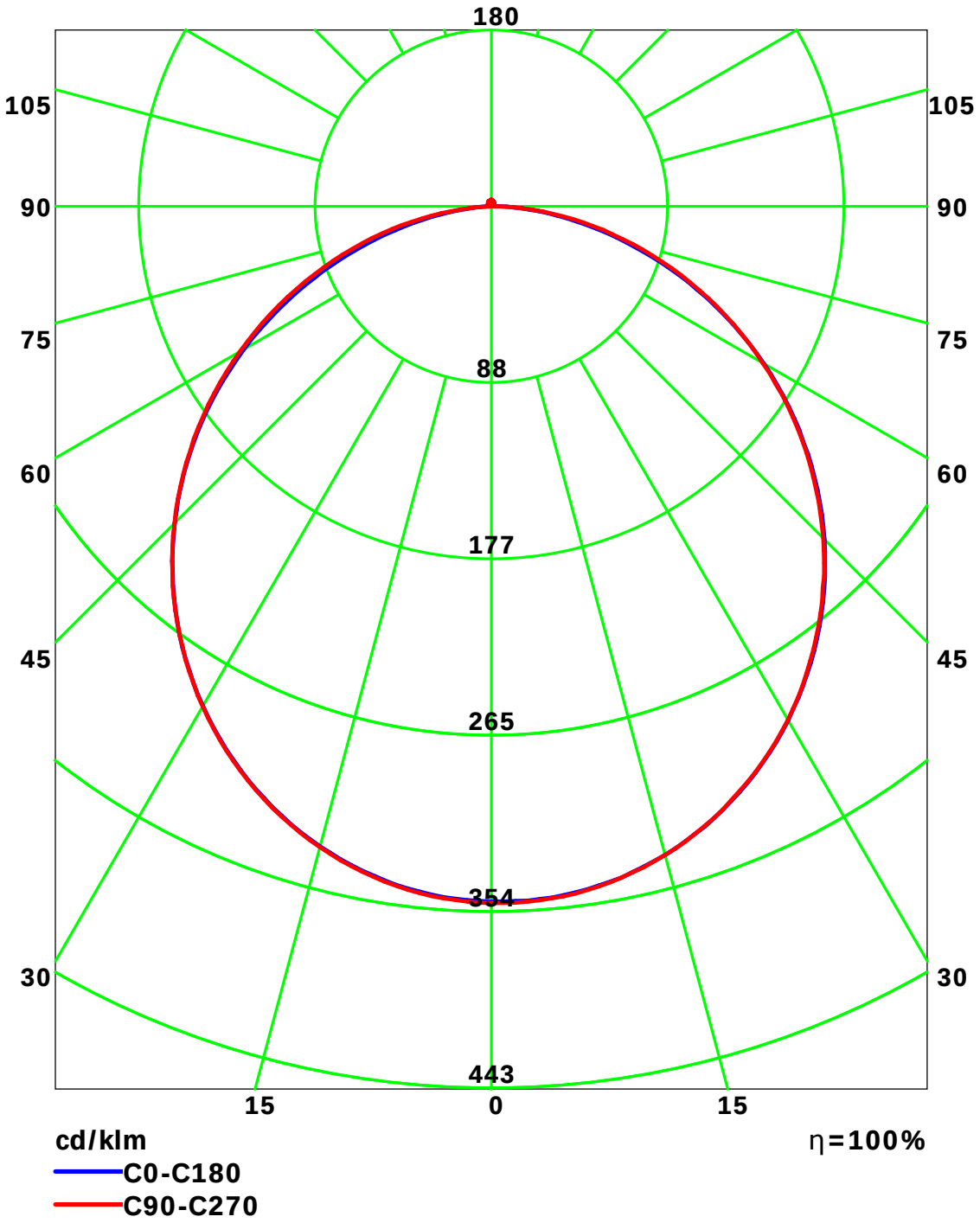
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

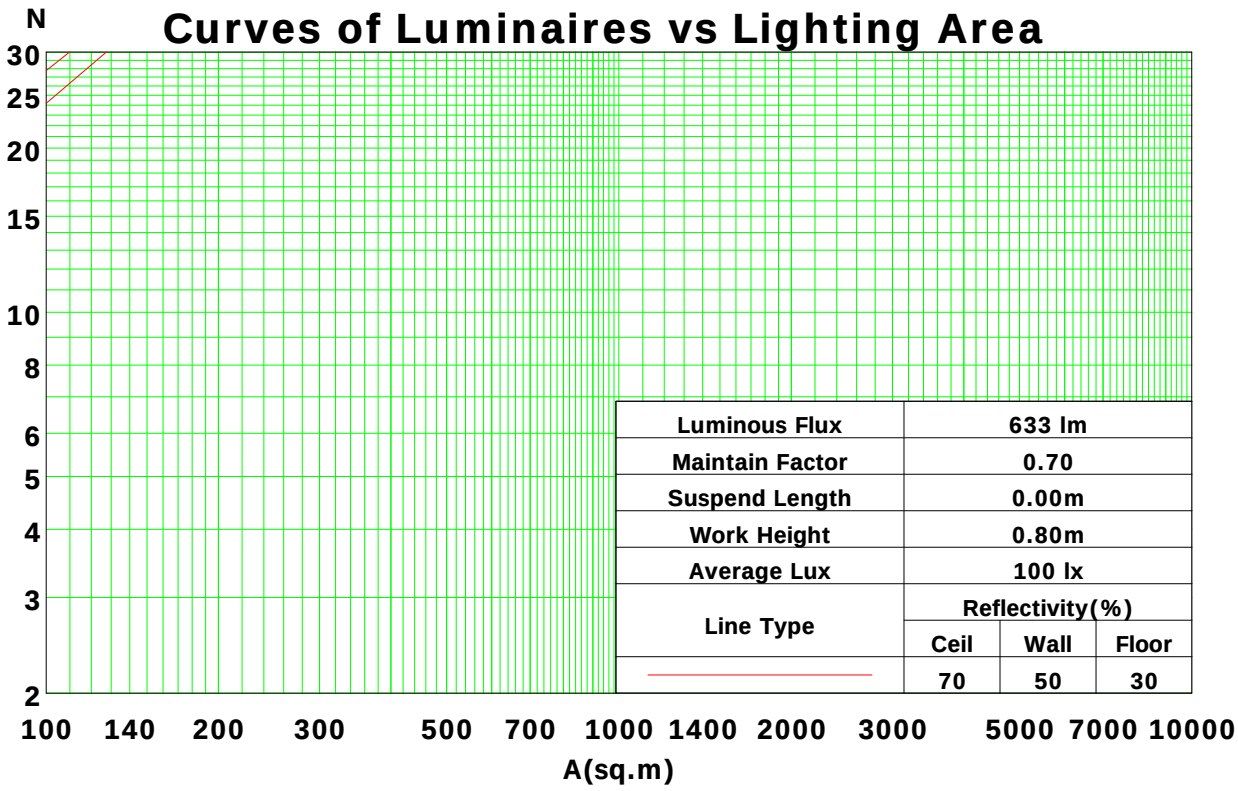
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	65	87	78	70	64	74	68	63	72	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	57	52	61	56	52	49
5	76	63	54	47	73	61	53	47	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.25
Spacing Criteria (Diagonal): 1.37

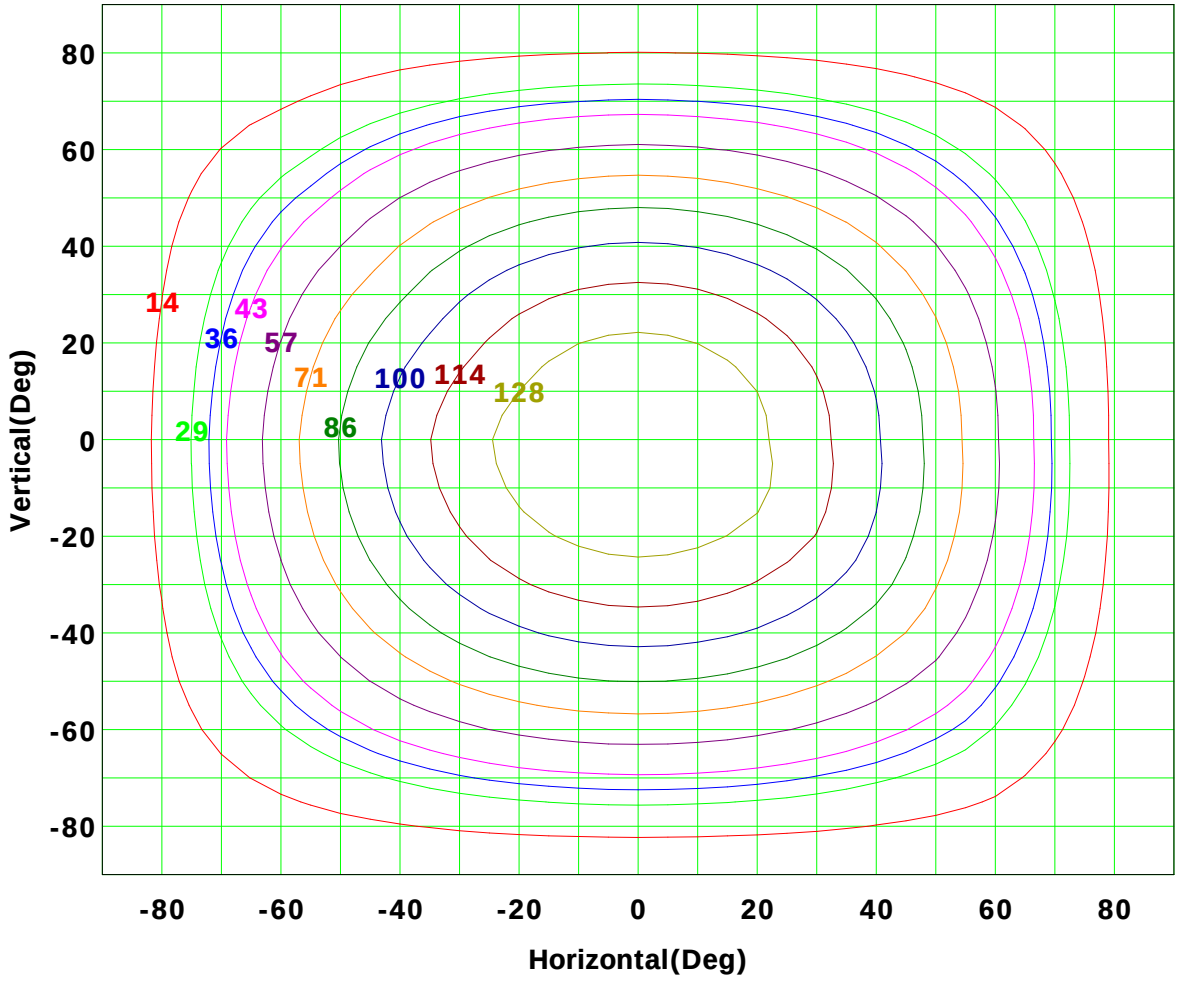
Curves of Luminaires vs Lighting Area



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)



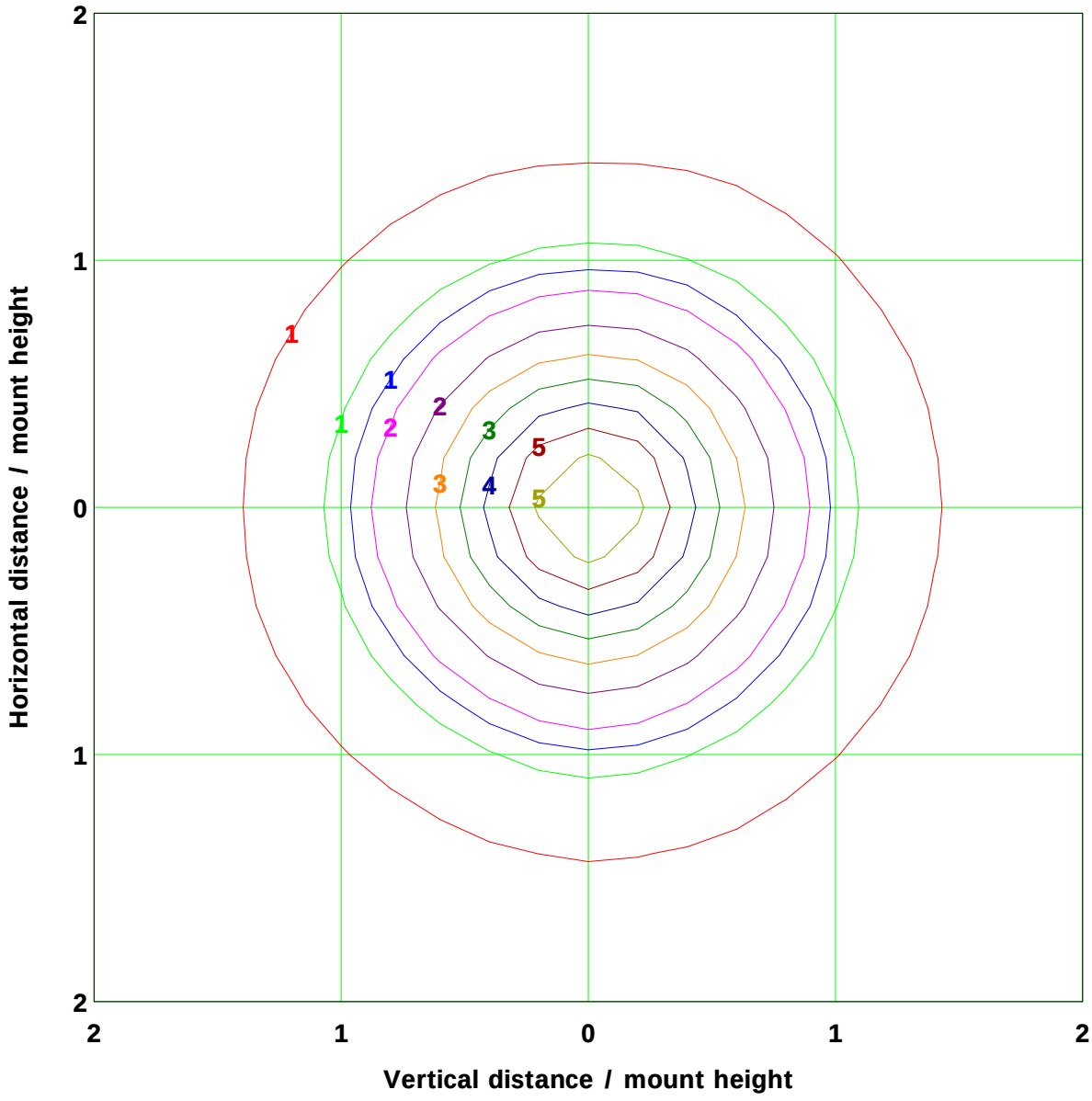
Imax (100%): 143 cd

(10%):	14 cd	(20%):	29 cd
(25%):	36 cd	(30%):	43 cd
(40%):	57 cd	(50%):	71 cd
(60%):	86 cd	(70%):	100 cd
(80%):	114 cd	(90%):	128 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%): 5.7 lx

(10%): 0.6 lx	(20%): 1.1 lx
(25%): 1.4 lx	(30%): 1.7 lx
(40%): 2.3 lx	(50%): 2.9 lx
(60%): 3.4 lx	(70%): 4.0 lx
(80%): 4.6 lx	(90%): 5.1 lx

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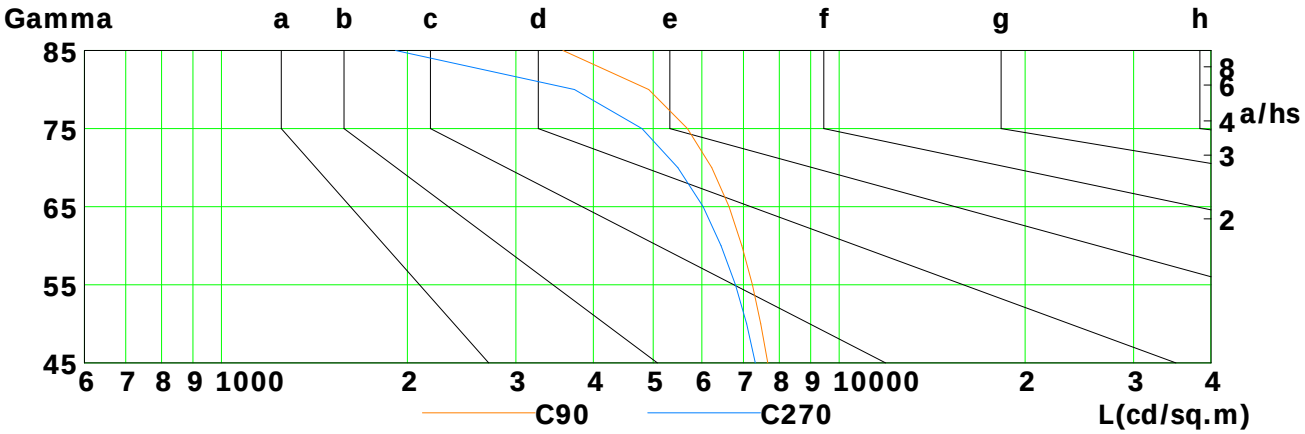
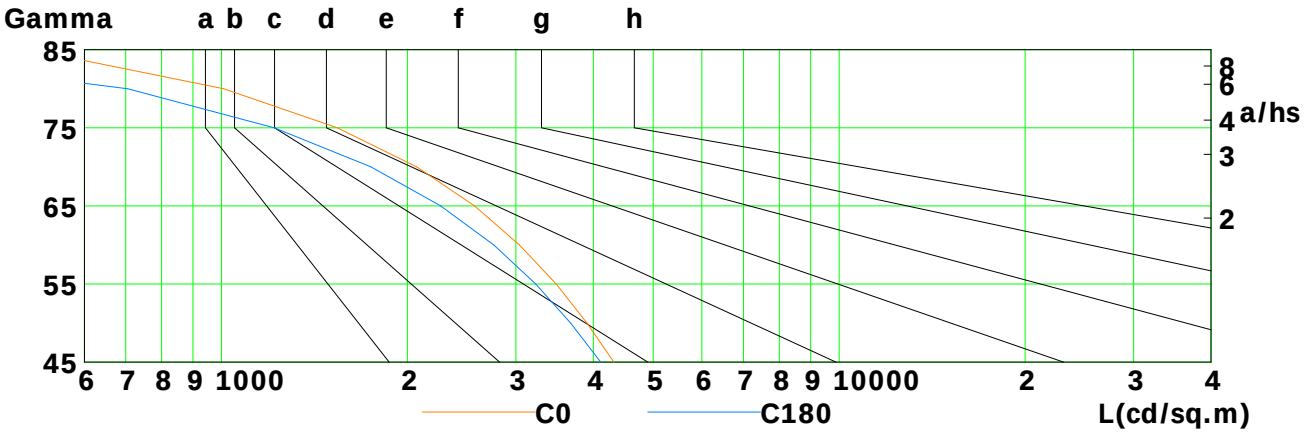
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



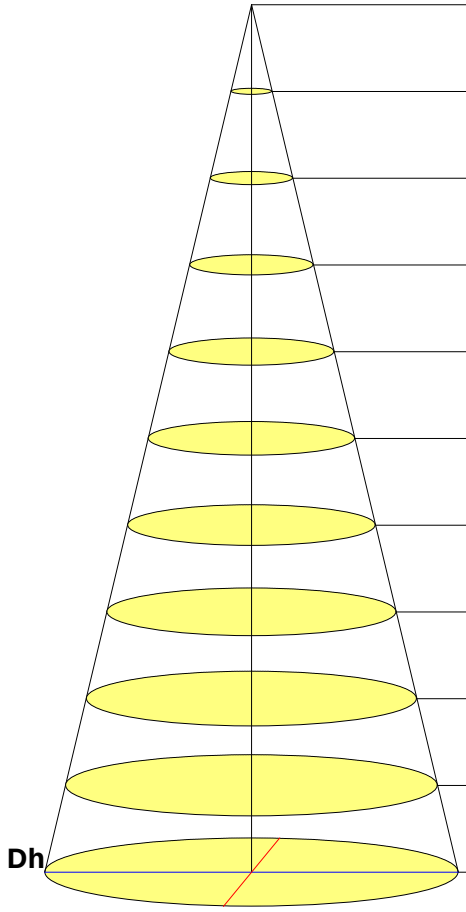


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4322	3908	3483	3037	2570	2070	1540	1009	491
C90	7670	7470	7241	6961	6635	6224	5683	4918	3573
C180	4112	3676	3229	2760	2264	1747	1218	705	235
C270	7322	7086	6795	6443	6027	5486	4798	3728	1914

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



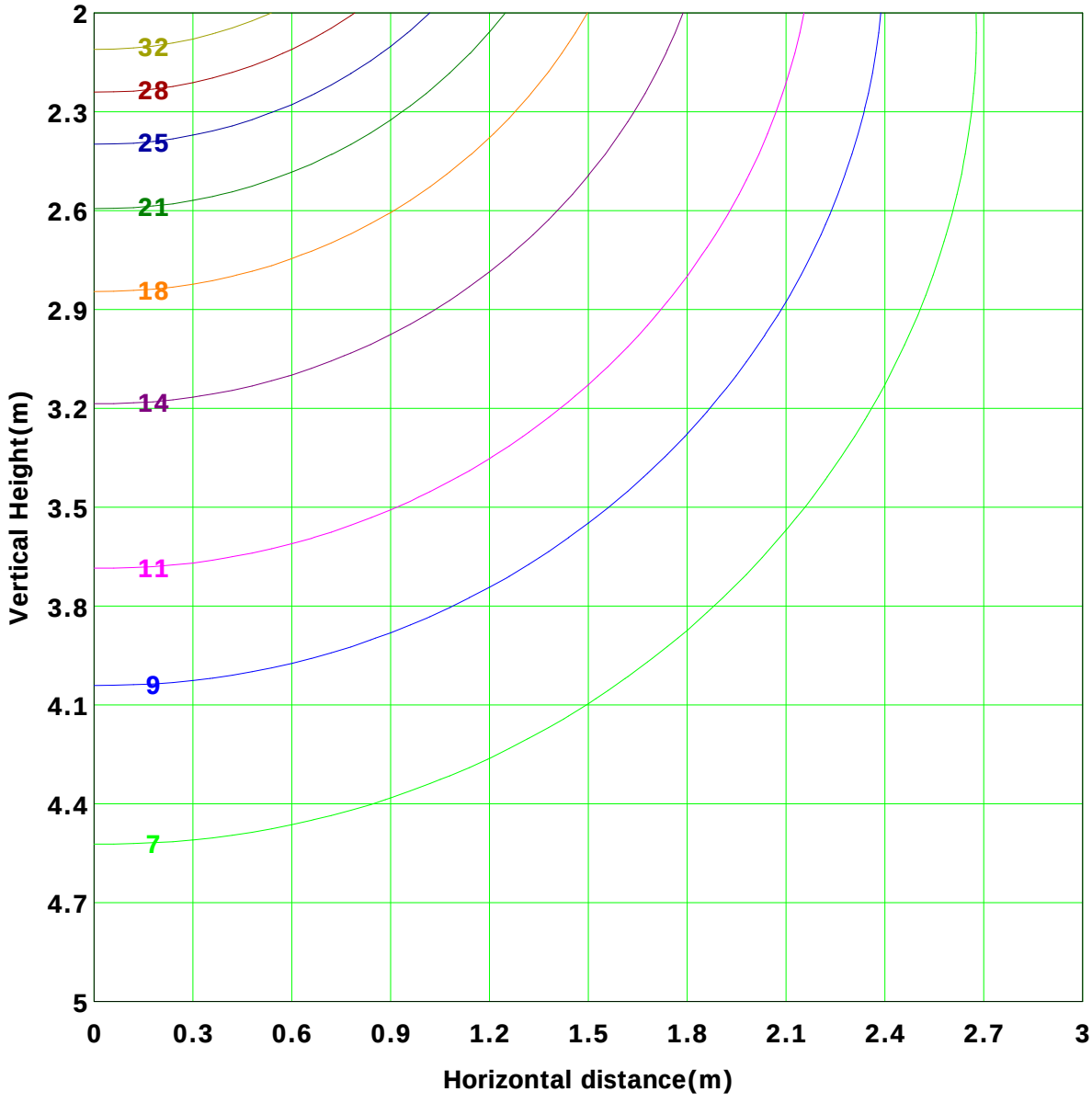
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	142.09	2.94/2.94	6.8	23.81
2.0	35.52	5.89/5.89	27.2	5.95
3.0	15.79	8.83/8.83	61.2	2.65
4.0	8.88	11.77/11.77	108.8	1.49
5.0	5.68	14.71/14.71	170.0	0.95
6.0	3.95	17.66/17.66	244.8	0.66
7.0	2.90	20.60/20.60	333.2	0.49
8.0	2.22	23.54/23.54	435.2	0.37
9.0	1.75	26.49/26.48	550.8	0.29
10.0	1.42	29.43/29.43	680.0	0.24

Beam Angle(B): H111.6 V111.6 Field Angle(F): H160.7 V162.4

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: 35.5 lx

(10%): 3.6 lx	(20%): 7.1 lx
(25%): 8.9 lx	(30%): 10.7 lx
(40%): 14.2 lx	(50%): 17.8 lx
(60%): 21.3 lx	(70%): 24.9 lx
(80%): 28.4 lx	(90%): 32.0 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:

Area Flux Table

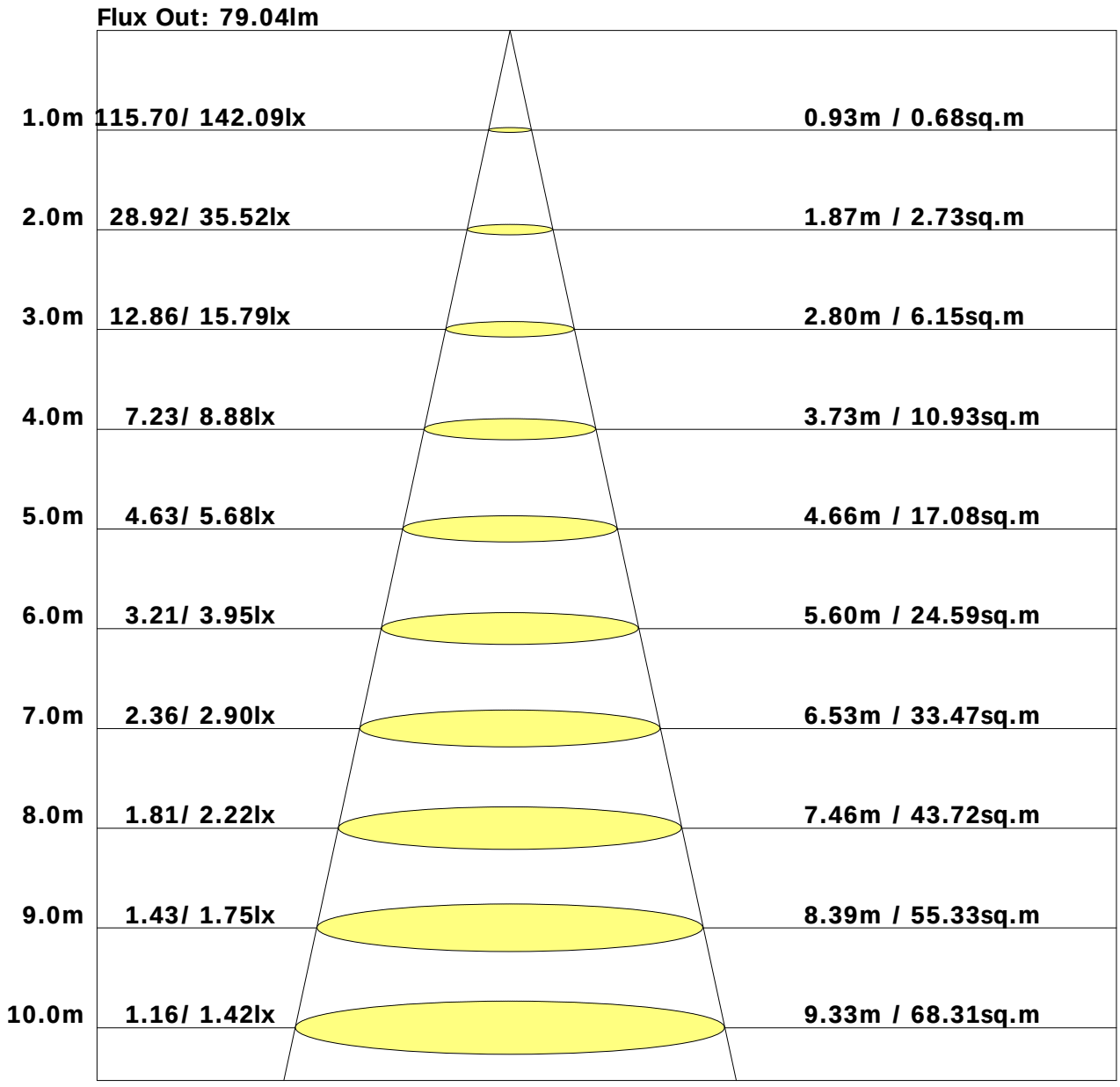
Unit: lm

Horizontal plane	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		
-80	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0		
-70	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0		
-60	0.0	0.0	0.1	0.2	0.5	0.7	0.9	1.0	1.1	1.2	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.0		
-50	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.5	1.6	1.6	1.5	1.3	1.0	0.6	0.3	0.1		
-40	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.6	1.3	0.9	0.5	0.1		
-30	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9	1.9	1.8	1.5	1.1	0.6	0.2		
-20	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.0	1.9	1.6	1.2	0.7	0.2		
-10	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.1	2.0	1.7	1.3	0.8	0.2		
0	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.1	2.1	1.8	1.4	0.8	0.2		
10	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.1	2.1	1.8	1.4	0.8	0.2		
20	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.0	2.0	1.7	1.3	0.7	0.2		
30	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9	1.9	1.8	1.5	1.1	0.6	0.2		
40	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.6	1.3	0.9	0.5	0.1		
50	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.5	1.6	1.7	1.7	1.5	1.2	0.8	0.4	0.1		
60	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.4	1.5	1.6	1.6	1.4	1.1	0.7	0.4	0.1		
70	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.4	1.5	1.5	1.5	1.3	1.0	0.7	0.3	0.1		
80	0.0	0.0	0.1	0.2	0.4	0.6	0.8	0.9	1.1	1.2	1.3	1.4	1.4	1.4	1.2	1.0	0.7	0.3	0.1		
90	0.0	0.0	0.1	0.2	0.4	0.6	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.2	0.9	0.7	0.3	0.1		
Flux(T)	0.2	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0		
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.5	2.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0		
-80	6.2	6.5	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0		
-70	13.1	13.4	0.1	0.3	0.5	0.7	0.9	1.0	1.1	1.2	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.0		
-60	21.2	21.6	0.1	0.4	0.8	1.1	1.4	1.7	1.8	1.9	2.0	2.0	1.9	1.7	1.5	1.0	0.6	0.3	0.1		
-50	29.7	30.0	0.2	0.6	1.0	1.5	1.9	2.3	2.5	2.7	2.8	2.7	2.6	2.4	2.1	1.4	0.9	0.5	0.1		
-40	37.2	37.5	0.2	0.7	1.3	1.9	2.4	2.8	3.2	3.4	3.5	3.4	3.3	3.0	2.7	1.7	1.2	0.6	0.1		
-30	42.9	43.2	0.3	0.8	1.5	2.1	2.7	3.2	3.6	3.9	4.0	4.0	3.8	3.5	3.1	2.0	1.3	0.7	0.1		
-20	45.9	46.2	0.3	0.9	1.6	2.3	2.9	3.4	3.8	4.1	4.3	4.2	4.1	3.8	3.3	2.1	1.4	0.8	0.2		
-10	45.9	46.2	0.3	0.9	1.6	2.3	2.9	3.4	3.8	4.1	4.3	4.3	4.1	3.8	3.3	2.1	1.4	0.8	0.2		
0	42.8	43.1	0.3	0.8	1.5	2.1	2.7	3.2	3.6	3.9	4.0	4.0	3.8	3.5	3.1	2.0	1.3	0.7	0.1		
10	37.1	37.5	0.2	0.7	1.3	1.8	2.4	2.8	3.1	3.4	3.5	3.5	3.3	3.0	2.7	1.7	1.1	0.6	0.1		
20	29.7	30.0	0.2	0.6	1.0	1.5	1.9	2.2	2.5	2.7	2.8	2.8	2.6	2.4	2.1	1.3	0.9	0.5	0.1		
30	21.4	21.7	0.1	0.4	0.7	1.1	1.4	1.6	1.8	2.0	2.1	2.0	1.9	1.8	1.5	0.9	0.6	0.3	0.1		
40	13.4	13.7	0.1	0.3	0.5	0.7	0.9	1.0	1.2	1.3	1.3	1.3	1.2	1.1	1.0	0.6	0.4	0.2	0.0		
50	6.7	7.1	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.3	0.2	0.1	0.0		
60	2.1	2.5	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0		
70	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		
80		403	2.4	7.9	13.9	19.9	25.4	30.1	33.8	36.3	37.4	37.1	35.5	32.6	28.7	23.8	18.2	12.2	6.3		
90	397		0.5	7.3	13.7	19.8	25.3	30.1	33.8	36.3	37.4	37.1	35.4	32.6	28.6	23.7	18.0	11.9	5.3		
Flux(E)																			1.3		
-90																			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



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Test Device: GPM-1800B
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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	20.8	22.5	21.2	22.8	23.1	19.5	21.1	19.9	21.5	21.8
3H	22.6	24.1	23.0	24.5	24.8	21.0	22.4	21.4	22.8	23.2
4H	23.3	24.7	23.7	25.1	25.5	21.5	22.8	21.9	23.2	23.6
6H	23.8	25.1	24.2	25.5	25.9	21.8	23.0	22.2	23.4	23.8
8H	23.9	25.2	24.4	25.6	26.0	21.8	23.1	22.3	23.5	23.9
12H	24.0	25.2	24.5	25.6	26.1	21.9	23.0	22.3	23.4	23.9
X=4H Y=2H	21.2	22.6	21.6	22.9	23.3	20.2	21.5	20.6	21.9	22.3
3H	23.1	24.3	23.5	24.7	25.1	21.8	23.0	22.2	23.4	23.8
4H	23.9	24.9	24.3	25.3	25.8	22.4	23.4	22.8	23.9	24.3
6H	24.4	25.3	24.9	25.8	26.3	22.8	23.7	23.3	24.2	24.6
8H	24.6	25.5	25.1	25.9	26.4	22.9	23.7	23.4	24.2	24.7
12H	24.7	25.5	25.2	26.0	26.5	22.9	23.7	23.4	24.2	24.7
X=8H Y=4H	24.0	24.8	24.4	25.3	25.8	22.7	23.5	23.2	24.0	24.5
6H	24.6	25.3	25.1	25.8	26.3	23.1	23.9	23.7	24.4	24.9
8H	24.8	25.4	25.3	26.0	26.5	23.3	23.9	23.8	24.5	25.0
12H	25.0	25.5	25.5	26.0	26.6	23.4	24.0	23.9	24.5	25.0
X=12H Y=4H	24.0	24.7	24.5	25.2	25.7	22.7	23.5	23.2	24.0	24.5
6H	24.6	25.2	25.1	25.7	26.3	23.2	23.8	23.7	24.3	24.9
8H	24.8	25.4	25.3	25.9	26.5	23.4	23.9	23.9	24.5	25.0

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 = 1.25					
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	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.81	0.86	0.90	0.96	0.99
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.55	0.65	0.71	0.77	0.83	0.88	0.91	0.96	0.99
	0.30		0.47	0.58	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	0.20		0.42	0.52	0.60	0.66	0.74	0.79	0.84	0.89	0.93
0.30	0.50	0.20	0.53	0.63	0.69	0.74	0.80	0.85	0.88	0.92	0.95
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.84	0.89	0.92
	0.20		0.42	0.52	0.59	0.64	0.72	0.78	0.81	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.56	0.61	0.69	0.74	0.77	0.82	0.85

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 = 1.25								
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	0.83	0.70	0.61	0.49	0.41	0.35	0.27	0.22
	0.30		0.83	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.82	0.69	0.59	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.31	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14

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 = 1.25								
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	0.17	0.19	0.19	0.20	0.21	0.22	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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	142.3	0.1	0.1	0.03	0.03
1.0-2.0	142.2	0.4	0.5	0.10	0.13
2.0-3.0	142.1	0.7	1.2	0.17	0.30
3.0-4.0	142.0	1.0	2.2	0.23	0.53
4.0-5.0	141.8	1.2	3.4	0.30	0.83
5.0-6.0	141.5	1.5	4.9	0.37	1.20
6.0-7.0	141.2	1.8	6.6	0.43	1.63
7.0-8.0	140.8	2.0	8.7	0.50	2.13
8.0-9.0	140.4	2.3	10.9	0.56	2.69
9.0-10.0	139.9	2.5	13.5	0.62	3.31
10.0-11.0	139.4	2.8	16.2	0.68	3.99
11.0-12.0	138.8	3.0	19.3	0.75	4.74
12.0-13.0	138.2	3.3	22.6	0.81	5.55
13.0-14.0	137.5	3.5	26.1	0.87	6.41
14.0-15.0	136.8	3.8	29.8	0.92	7.34
15.0-16.0	136.0	4.0	33.8	0.98	8.32
16.0-17.0	135.2	4.2	38.0	1.04	9.35
17.0-18.0	134.3	4.4	42.5	1.09	10.44
18.0-19.0	133.4	4.6	47.1	1.14	11.58
19.0-20.0	132.4	4.8	52.0	1.19	12.77
20.0-21.0	131.4	5.0	57.0	1.24	14.01
21.0-22.0	130.3	5.2	62.2	1.29	15.30
22.0-23.0	129.3	5.4	67.7	1.33	16.64
23.0-24.0	128.1	5.6	73.3	1.38	18.01
24.0-25.0	126.9	5.8	79.0	1.42	19.43
25.0-26.0	125.7	5.9	85.0	1.46	20.89
26.0-27.0	124.4	6.1	91.1	1.50	22.39
27.0-28.0	123.1	6.2	97.3	1.53	23.92
28.0-29.0	121.7	6.4	103.7	1.57	25.49
29.0-30.0	120.3	6.5	110.2	1.60	27.08
30.0-31.0	118.9	6.6	116.8	1.63	28.71
31.0-32.0	117.4	6.7	123.5	1.65	30.36
32.0-33.0	115.9	6.8	130.3	1.68	32.04
33.0-34.0	114.3	6.9	137.2	1.70	33.74
34.0-35.0	112.7	7.0	144.2	1.72	35.47
35.0-36.0	111.1	7.1	151.3	1.74	37.20

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	109.4	7.1	158.5	1.75	38.96
37.0-38.0	107.7	7.2	165.6	1.77	40.73
38.0-39.0	105.9	7.2	172.9	1.78	42.50
39.0-40.0	104.2	7.3	180.1	1.79	44.29
40.0-41.0	102.3	7.3	187.4	1.79	46.08
41.0-42.0	100.5	7.3	194.7	1.80	47.88
42.0-43.0	98.6	7.3	202.0	1.80	49.67
43.0-44.0	96.7	7.3	209.3	1.80	51.47
44.0-45.0	94.8	7.3	216.6	1.79	53.26
45.0-46.0	92.8	7.3	223.9	1.78	55.04
46.0-47.0	90.8	7.2	231.1	1.78	56.82
47.0-48.0	88.8	7.2	238.3	1.76	58.59
48.0-49.0	86.7	7.1	245.4	1.75	60.34
49.0-50.0	84.7	7.1	252.5	1.74	62.07
50.0-51.0	82.5	7.0	259.4	1.72	63.79
51.0-52.0	80.4	6.9	266.3	1.70	65.49
52.0-53.0	78.3	6.8	273.2	1.67	67.16
53.0-54.0	76.1	6.7	279.9	1.65	68.81
54.0-55.0	73.9	6.6	286.5	1.62	70.43
55.0-56.0	71.7	6.5	292.9	1.59	72.02
56.0-57.0	69.5	6.4	299.3	1.56	73.59
57.0-58.0	67.2	6.2	305.5	1.53	75.11
58.0-59.0	64.9	6.1	311.6	1.49	76.61
59.0-60.0	62.6	5.9	317.5	1.46	78.06
60.0-61.0	60.3	5.8	323.3	1.42	79.48
61.0-62.0	58.0	5.6	328.8	1.37	80.85
62.0-63.0	55.7	5.4	334.3	1.33	82.18
63.0-64.0	53.4	5.2	339.5	1.29	83.47
64.0-65.0	51.1	5.1	344.6	1.24	84.72
65.0-66.0	48.7	4.9	349.4	1.20	85.91
66.0-67.0	46.4	4.7	354.1	1.15	87.06
67.0-68.0	44.0	4.5	358.5	1.10	88.15
68.0-69.0	41.7	4.3	362.8	1.05	89.20
69.0-70.0	39.3	4.0	366.8	0.99	90.19
70.0-71.0	37.0	3.8	370.7	0.94	91.13
71.0-72.0	34.7	3.6	374.3	0.89	92.02

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	32.4	3.4	377.7	0.83	92.85
73.0-74.0	30.1	3.2	380.8	0.78	93.63
74.0-75.0	27.9	2.9	383.8	0.72	94.36
75.0-76.0	25.6	2.7	386.5	0.67	95.03
76.0-77.0	23.4	2.5	389.0	0.61	95.64
77.0-78.0	21.2	2.3	391.3	0.56	96.20
78.0-79.0	19.1	2.1	393.3	0.51	96.71
79.0-80.0	17.0	1.8	395.2	0.45	97.16
80.0-81.0	15.0	1.6	396.8	0.40	97.56
81.0-82.0	13.0	1.4	398.2	0.35	97.90
82.0-83.0	11.0	1.2	399.4	0.29	98.19
83.0-84.0	9.1	1.0	400.4	0.24	98.44
84.0-85.0	7.2	0.8	401.2	0.19	98.63
85.0-86.0	5.5	0.6	401.8	0.15	98.78
86.0-87.0	3.8	0.4	402.2	0.10	98.88
87.0-88.0	2.3	0.3	402.4	0.06	98.94
88.0-89.0	1.3	0.1	402.6	0.03	98.98
89.0-90.0	0.6	0.1	402.6	0.02	98.99
90.0-91.0	0.2	0.0	402.7	0.01	99.00
91.0-92.0	0.2	0.0	402.7	0.00	99.01
92.0-93.0	0.2	0.0	402.7	0.00	99.01
93.0-94.0	0.2	0.0	402.7	0.01	99.02
94.0-95.0	0.2	0.0	402.7	0.01	99.02
95.0-96.0	0.2	0.0	402.8	0.01	99.03
96.0-97.0	0.3	0.0	402.8	0.01	99.03
97.0-98.0	0.3	0.0	402.8	0.01	99.04
98.0-99.0	0.3	0.0	402.9	0.01	99.05
99.0-100.0	0.3	0.0	402.9	0.01	99.06
100.0-101.0	0.3	0.0	402.9	0.01	99.06
101.0-102.0	0.3	0.0	403.0	0.01	99.07
102.0-103.0	0.3	0.0	403.0	0.01	99.08
103.0-104.0	0.4	0.0	403.0	0.01	99.09
104.0-105.0	0.4	0.0	403.1	0.01	99.10
105.0-106.0	0.4	0.0	403.1	0.01	99.11
106.0-107.0	0.4	0.0	403.1	0.01	99.12
107.0-108.0	0.4	0.0	403.2	0.01	99.13

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.4	0.0	403.2	0.01	99.14
109.0-110.0	0.4	0.0	403.3	0.01	99.15
110.0-111.0	0.5	0.0	403.3	0.01	99.17
111.0-112.0	0.5	0.0	403.4	0.01	99.18
112.0-113.0	0.5	0.1	403.4	0.01	99.19
113.0-114.0	0.5	0.1	403.5	0.01	99.20
114.0-115.0	0.5	0.1	403.5	0.01	99.22
115.0-116.0	0.6	0.1	403.6	0.01	99.23
116.0-117.0	0.6	0.1	403.6	0.01	99.24
117.0-118.0	0.6	0.1	403.7	0.01	99.26
118.0-119.0	0.6	0.1	403.8	0.01	99.27
119.0-120.0	0.6	0.1	403.8	0.01	99.29
120.0-121.0	0.6	0.1	403.9	0.01	99.30
121.0-122.0	0.6	0.1	403.9	0.01	99.32
122.0-123.0	0.7	0.1	404.0	0.02	99.33
123.0-124.0	0.7	0.1	404.1	0.02	99.35
124.0-125.0	0.7	0.1	404.1	0.02	99.36
125.0-126.0	0.7	0.1	404.2	0.02	99.38
126.0-127.0	0.7	0.1	404.3	0.02	99.39
127.0-128.0	0.7	0.1	404.3	0.02	99.41
128.0-129.0	0.8	0.1	404.4	0.02	99.43
129.0-130.0	0.8	0.1	404.5	0.02	99.44
130.0-131.0	0.8	0.1	404.5	0.02	99.46
131.0-132.0	0.8	0.1	404.6	0.02	99.48
132.0-133.0	0.8	0.1	404.7	0.02	99.49
133.0-134.0	0.8	0.1	404.7	0.02	99.51
134.0-135.0	0.8	0.1	404.8	0.02	99.52
135.0-136.0	0.9	0.1	404.9	0.02	99.54
136.0-137.0	0.9	0.1	404.9	0.02	99.56
137.0-138.0	0.9	0.1	405.0	0.02	99.57
138.0-139.0	0.9	0.1	405.1	0.02	99.59
139.0-140.0	0.9	0.1	405.1	0.02	99.61
140.0-141.0	0.9	0.1	405.2	0.02	99.62
141.0-142.0	1.0	0.1	405.3	0.02	99.64
142.0-143.0	1.0	0.1	405.3	0.02	99.65
143.0-144.0	1.0	0.1	405.4	0.02	99.67

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	1.0	0.1	405.4	0.02	99.69
145.0-146.0	1.0	0.1	405.5	0.02	99.70
146.0-147.0	1.0	0.1	405.6	0.02	99.72
147.0-148.0	1.0	0.1	405.6	0.02	99.73
148.0-149.0	1.1	0.1	405.7	0.01	99.75
149.0-150.0	1.1	0.1	405.7	0.01	99.76
150.0-151.0	1.1	0.1	405.8	0.01	99.77
151.0-152.0	1.1	0.1	405.9	0.01	99.79
152.0-153.0	1.1	0.1	405.9	0.01	99.80
153.0-154.0	1.1	0.1	406.0	0.01	99.81
154.0-155.0	1.1	0.1	406.0	0.01	99.83
155.0-156.0	1.1	0.1	406.1	0.01	99.84
156.0-157.0	1.1	0.0	406.1	0.01	99.85
157.0-158.0	1.1	0.0	406.2	0.01	99.86
158.0-159.0	1.1	0.0	406.2	0.01	99.88
159.0-160.0	1.1	0.0	406.3	0.01	99.89
160.0-161.0	1.2	0.0	406.3	0.01	99.90
161.0-162.0	1.2	0.0	406.3	0.01	99.91
162.0-163.0	1.2	0.0	406.4	0.01	99.92
163.0-164.0	1.2	0.0	406.4	0.01	99.93
164.0-165.0	1.2	0.0	406.5	0.01	99.93
165.0-166.0	1.2	0.0	406.5	0.01	99.94
166.0-167.0	1.2	0.0	406.5	0.01	99.95
167.0-168.0	1.2	0.0	406.5	0.01	99.96
168.0-169.0	1.3	0.0	406.6	0.01	99.96
169.0-170.0	1.3	0.0	406.6	0.01	99.97
170.0-171.0	1.3	0.0	406.6	0.01	99.98
171.0-172.0	1.3	0.0	406.6	0.01	99.98
172.0-173.0	1.3	0.0	406.7	0.00	99.99
173.0-174.0	1.3	0.0	406.7	0.00	99.99
174.0-175.0	1.3	0.0	406.7	0.00	99.99
175.0-176.0	1.3	0.0	406.7	0.00	100.00
176.0-177.0	1.3	0.0	406.7	0.00	100.00
177.0-178.0	1.3	0.0	406.7	0.00	100.00
178.0-179.0	1.3	0.0	406.7	0.00	100.00
179.0-180.0	1.3	0.0	406.7	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: