GENLED Brands
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Report No.: **Test Time: 2023/4/23 14:35**

Luminaire Property

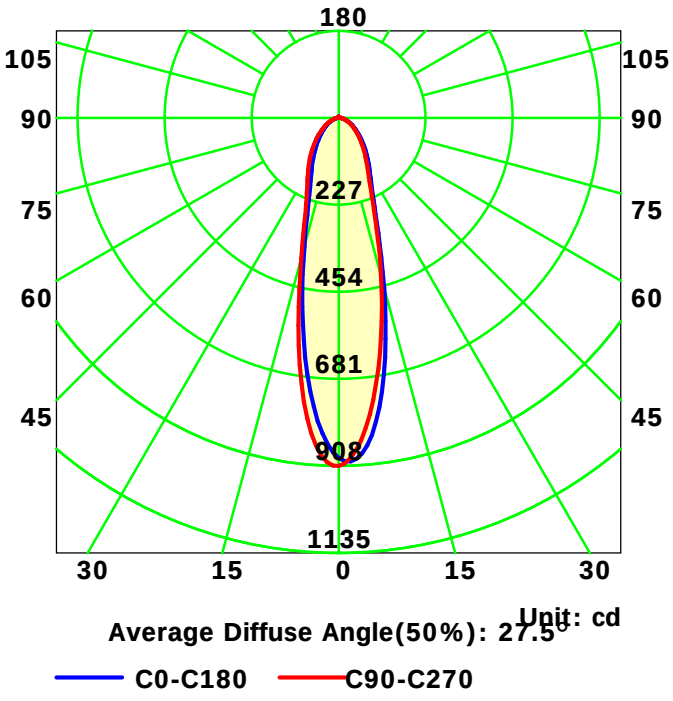
Luminaire Manufacturer: ACOLYTE
Luminaire Category: RIBBONLYTE **Luminaire Description: RB90SWX675.83030**
Lamp Catalog: 3000k **Luminous Length (mm): 320**
Luminous Width (mm): 20.5 **Luminous Height (mm): 14**
Voltage: 24.0 V **Current: 0.247 A**
Power: 5.93 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 527.6 lm**
Measurement Flux: 527.6 lm **Efficiency: 100%**
Downward Ratio: 98% **Upward Ratio: 2%**
Horizontal Diffuse Angle(10%,50%): H84.5,H27.7
Vertical Diffuse Angle(10%,50%): V85.7,V27.4
Luminaire Efficacy Rating (LER): 89 **Central Intensity: 887.55 cd**
Max. Intensity: 908.55 cd **Pos of Max. Intensity: H90 V0**

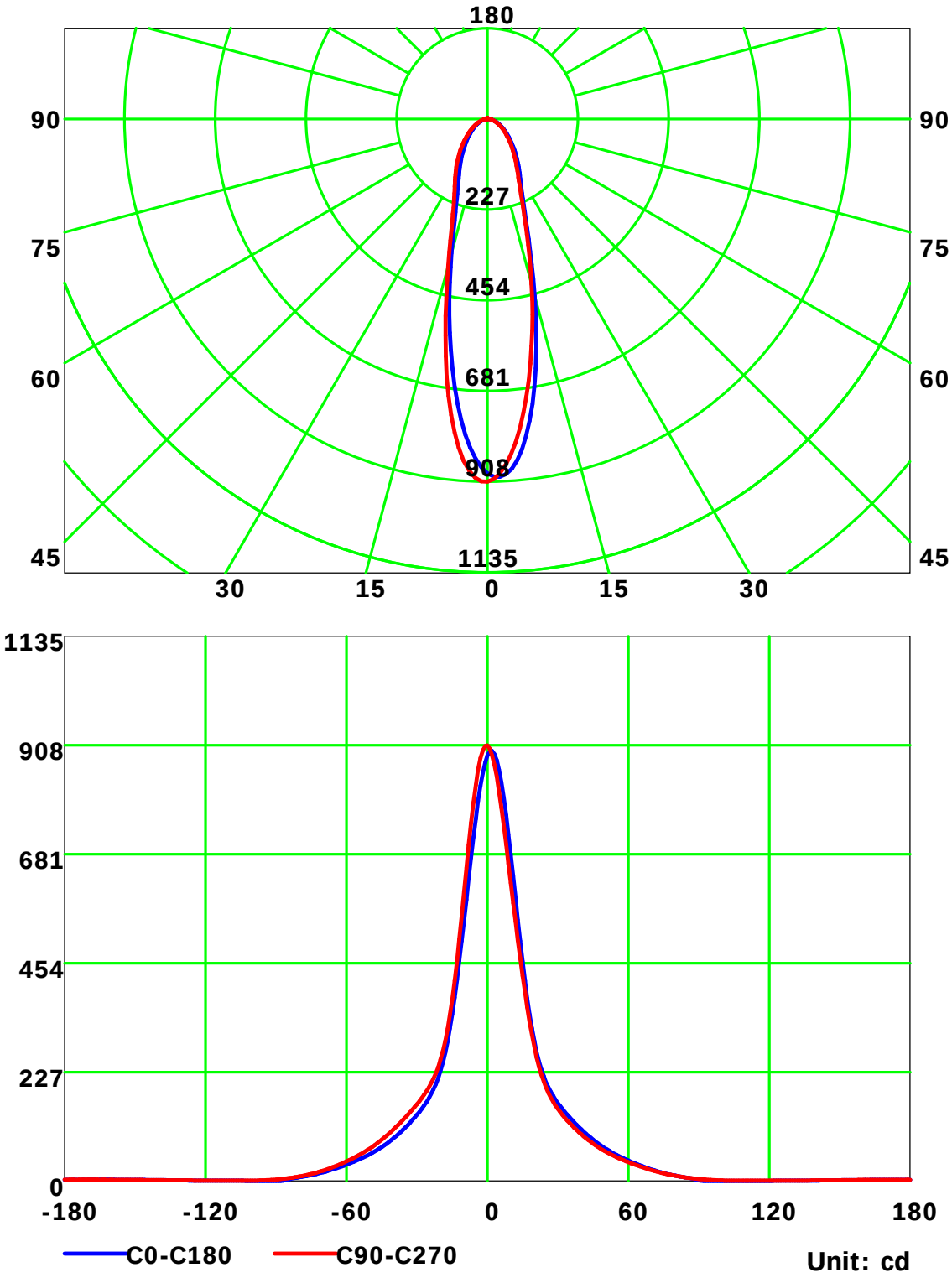
Picture Of Luminaire

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



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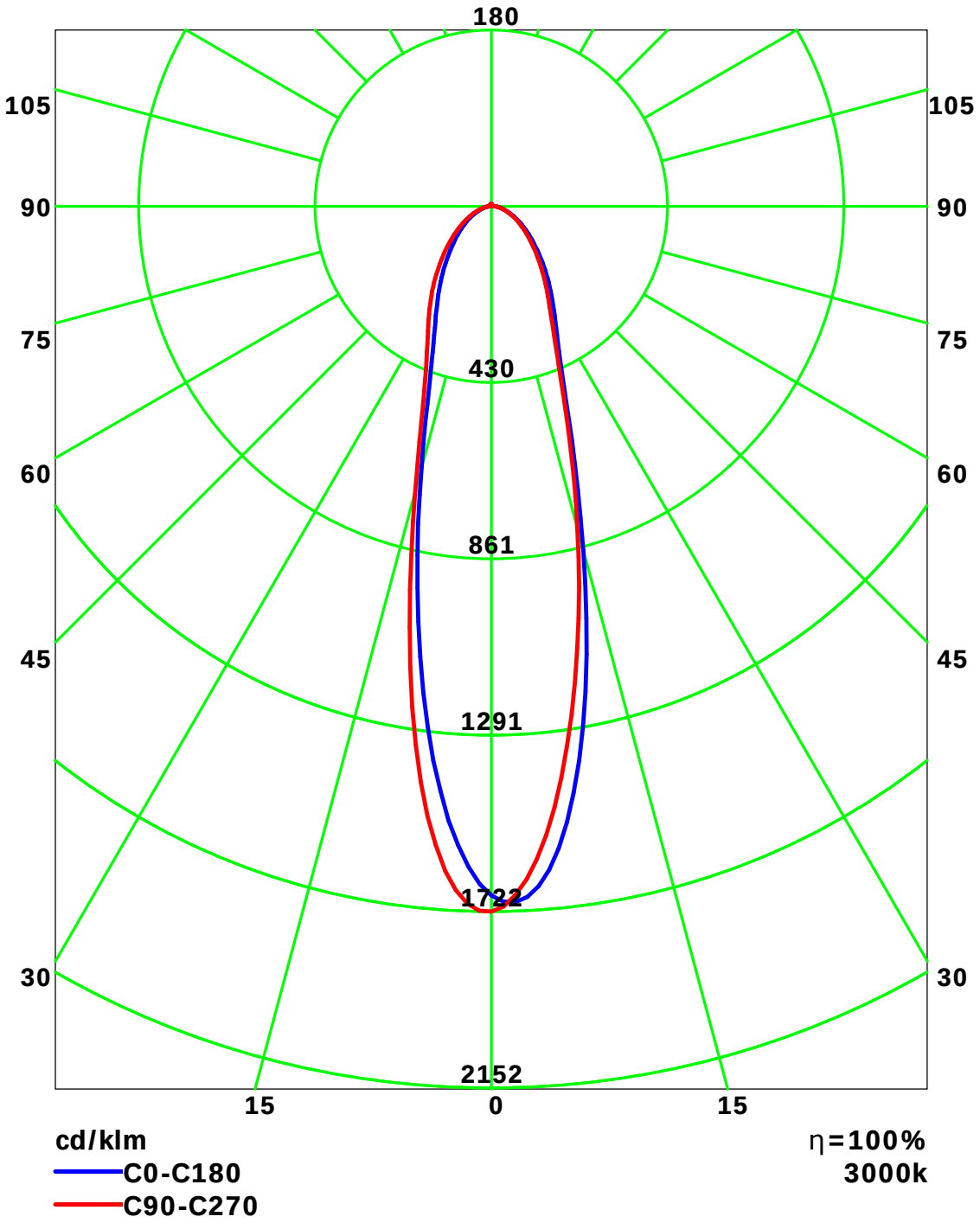
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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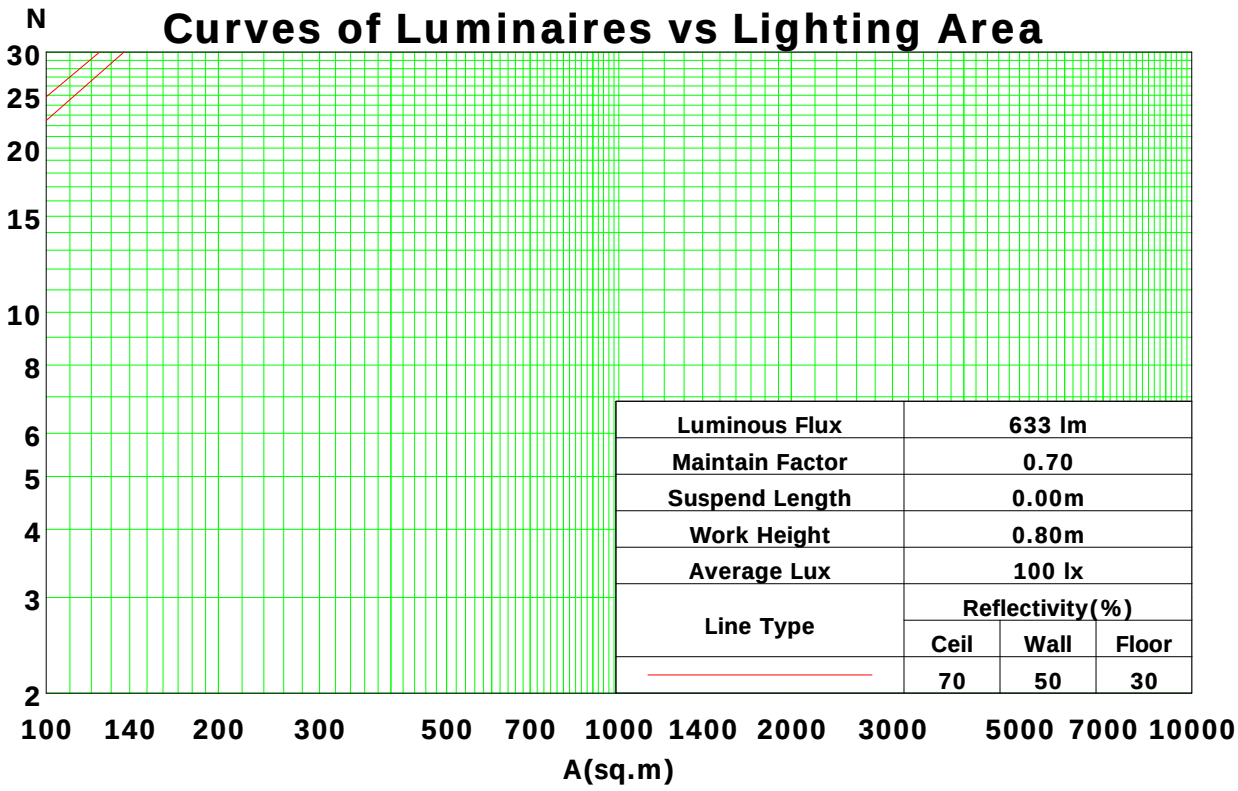
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	111	107	104	101	108	105	101	99	100	98	95	96	94	92	92	90	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	84	82	85	82	79	77
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70
4	91	81	74	69	88	80	73	69	77	72	67	75	70	66	73	69	65	63
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	68	63	60	58
6	80	70	63	58	79	69	62	57	67	61	57	65	60	56	64	59	55	54
7	76	65	58	53	74	64	58	53	63	57	53	61	56	52	60	55	52	50
8	72	61	54	50	71	61	54	49	59	53	49	58	53	49	57	52	48	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	45	44
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	51	46	43	42

Spacing Criteria (0-180): 0.46
Spacing Criteria (90-270): 0.45
Spacing Criteria (Diagonal): 0.51

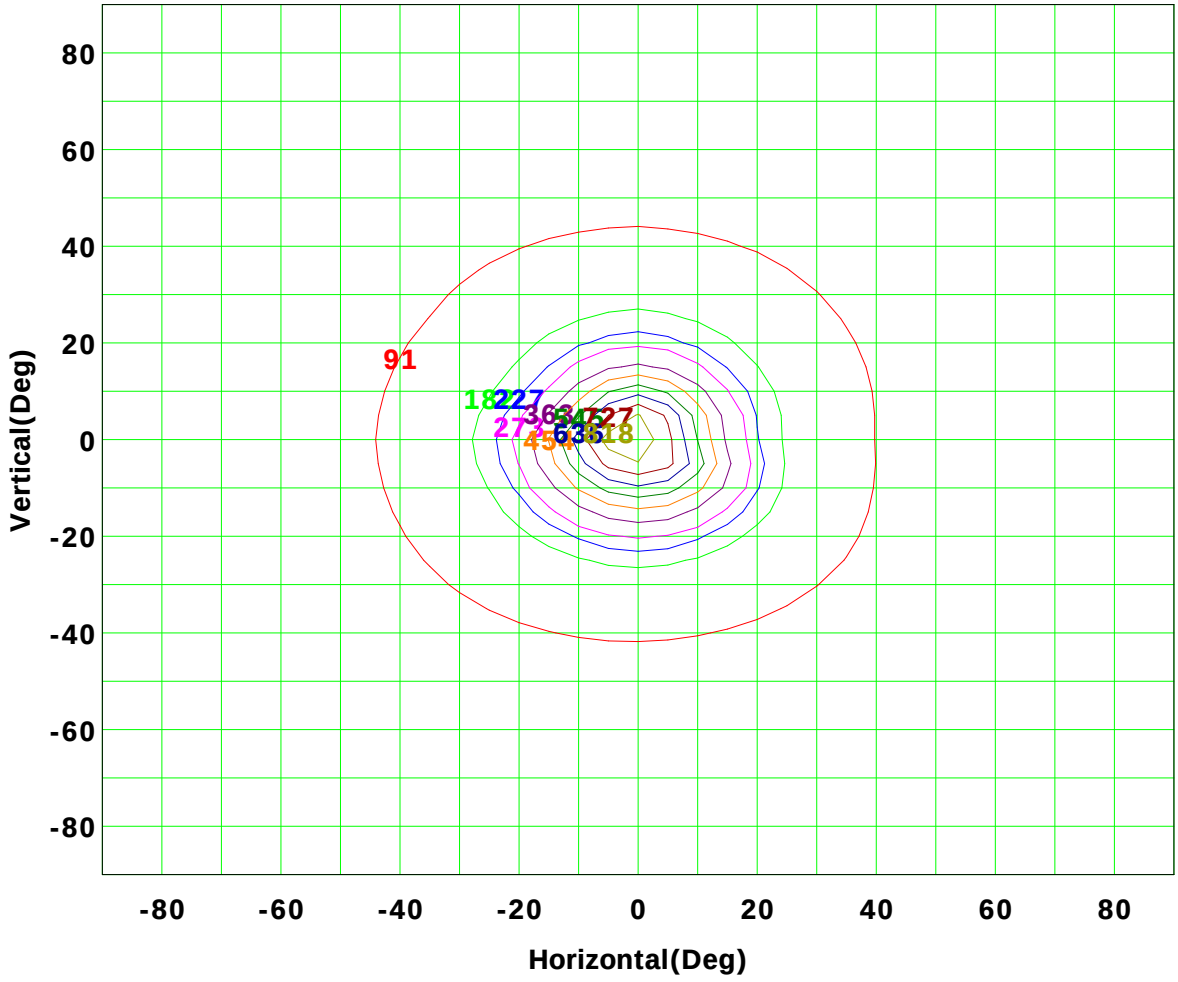
Curves of Luminaires vs Lighting Area



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)



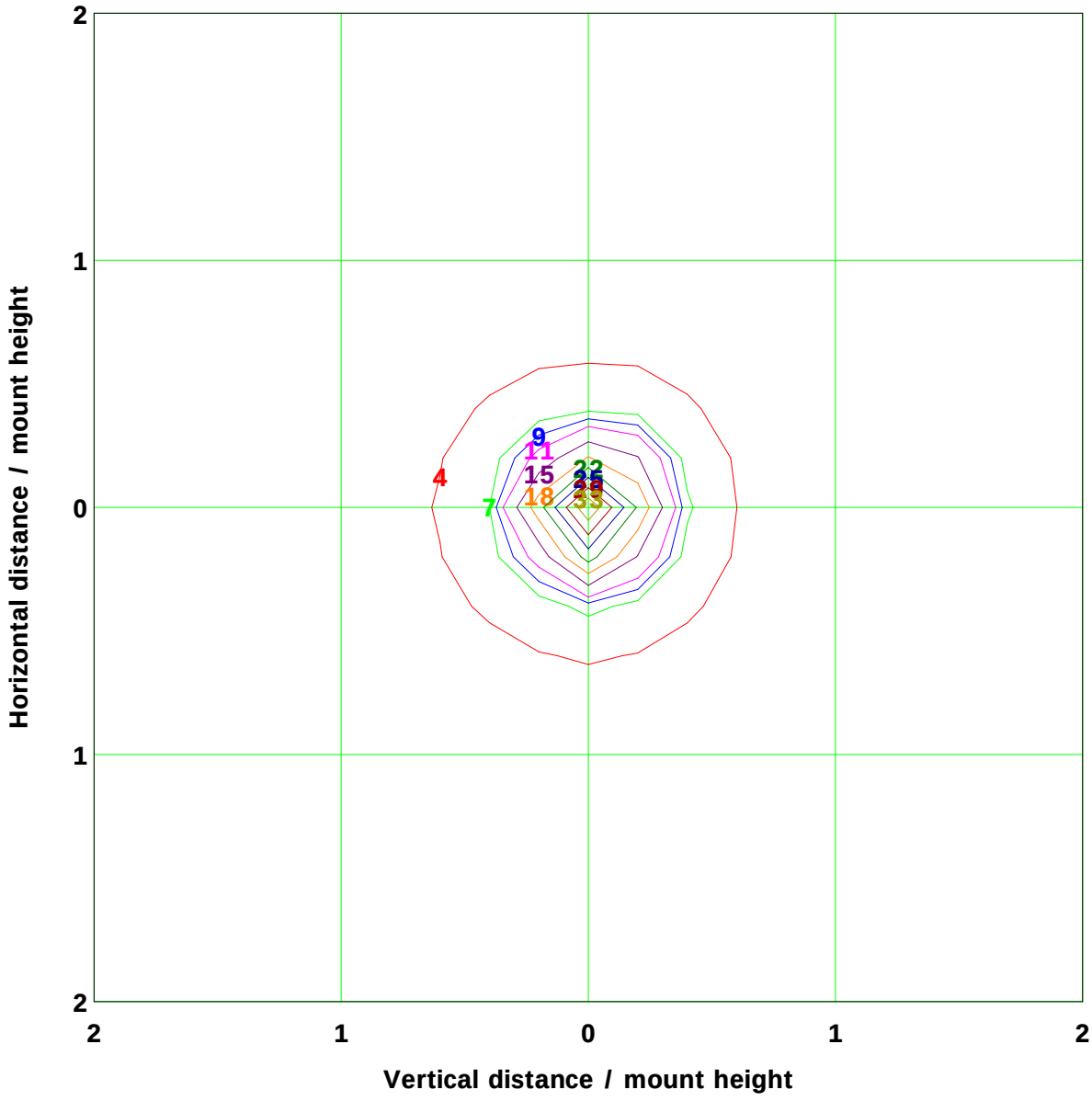
Imax (100%): 909 cd

(10%):	91 cd	(20%):	182 cd
(25%):	227 cd	(30%):	273 cd
(40%):	363 cd	(50%):	454 cd
(60%):	545 cd	(70%):	636 cd
(80%):	727 cd	(90%):	818 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%): 36.3 lx

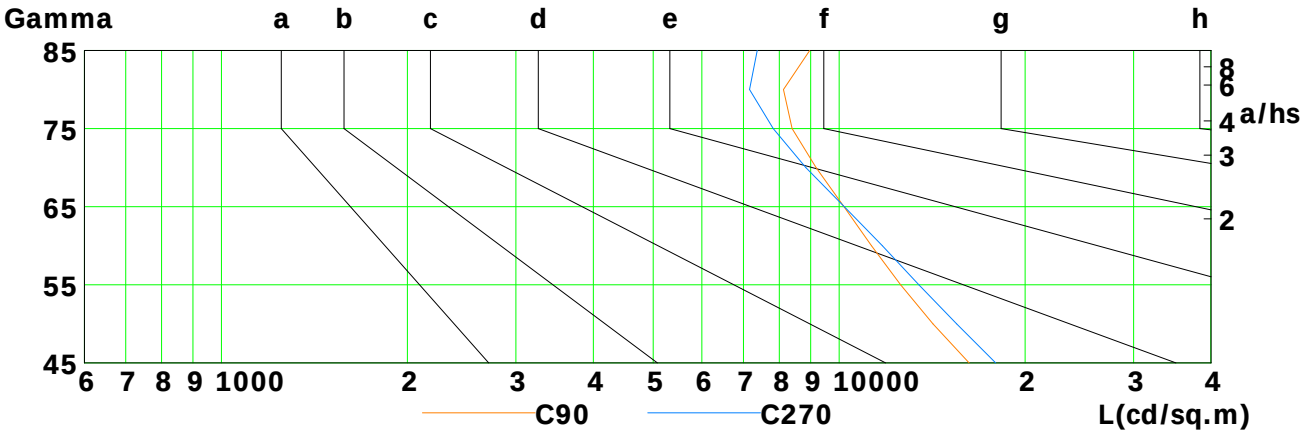
(10%): 3.6 lx	(20%): 7.3 lx
(25%): 9.1 lx	(30%): 10.9 lx
(40%): 14.5 lx	(50%): 18.2 lx
(60%): 21.8 lx	(70%): 25.4 lx
(80%): 29.1 lx	(90%): 32.7 lx

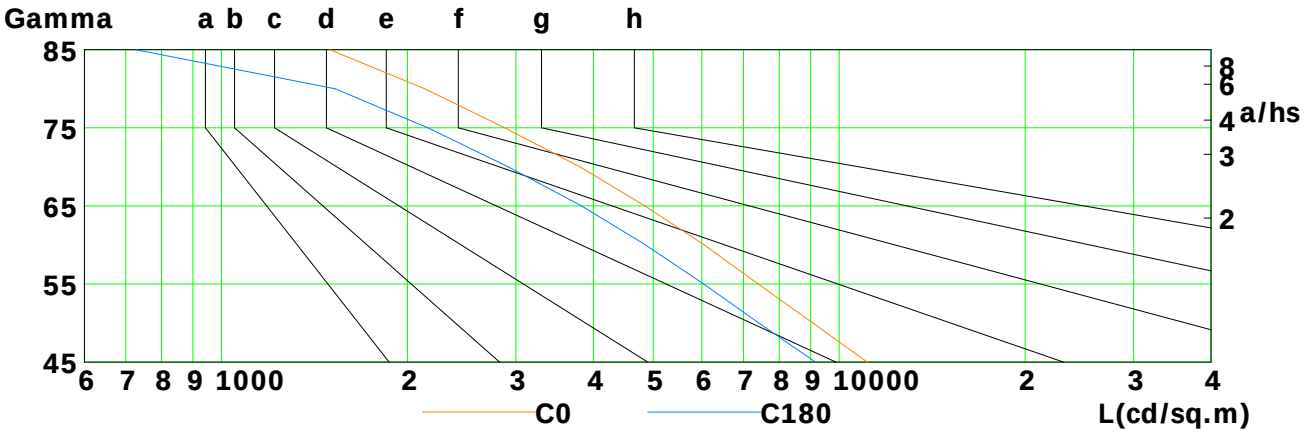
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



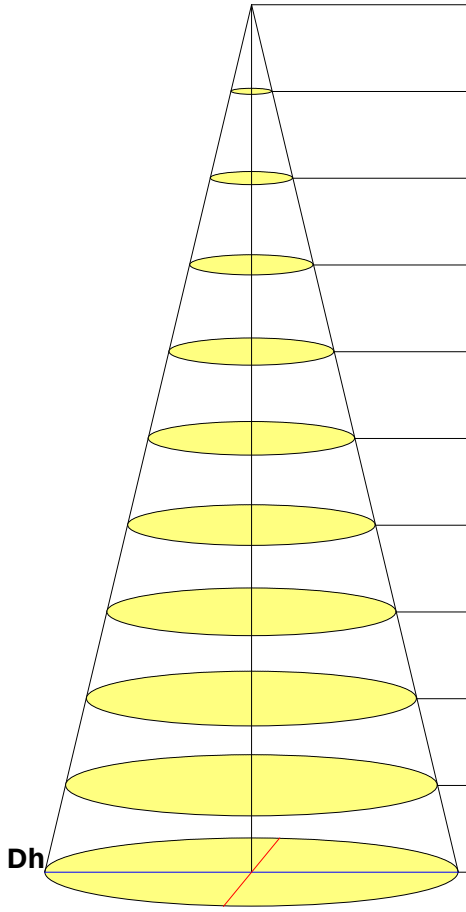


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	11119	9070	7396	6056	4852	3804	2875	2135	1500
C90	16249	14198	12580	11285	10180	9183	8400	8131	8966
C180	9163	7413	6038	4862	3829	2915	2161	1528	727
C270	17922	15503	13473	11750	10196	8837	7822	7160	7369

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



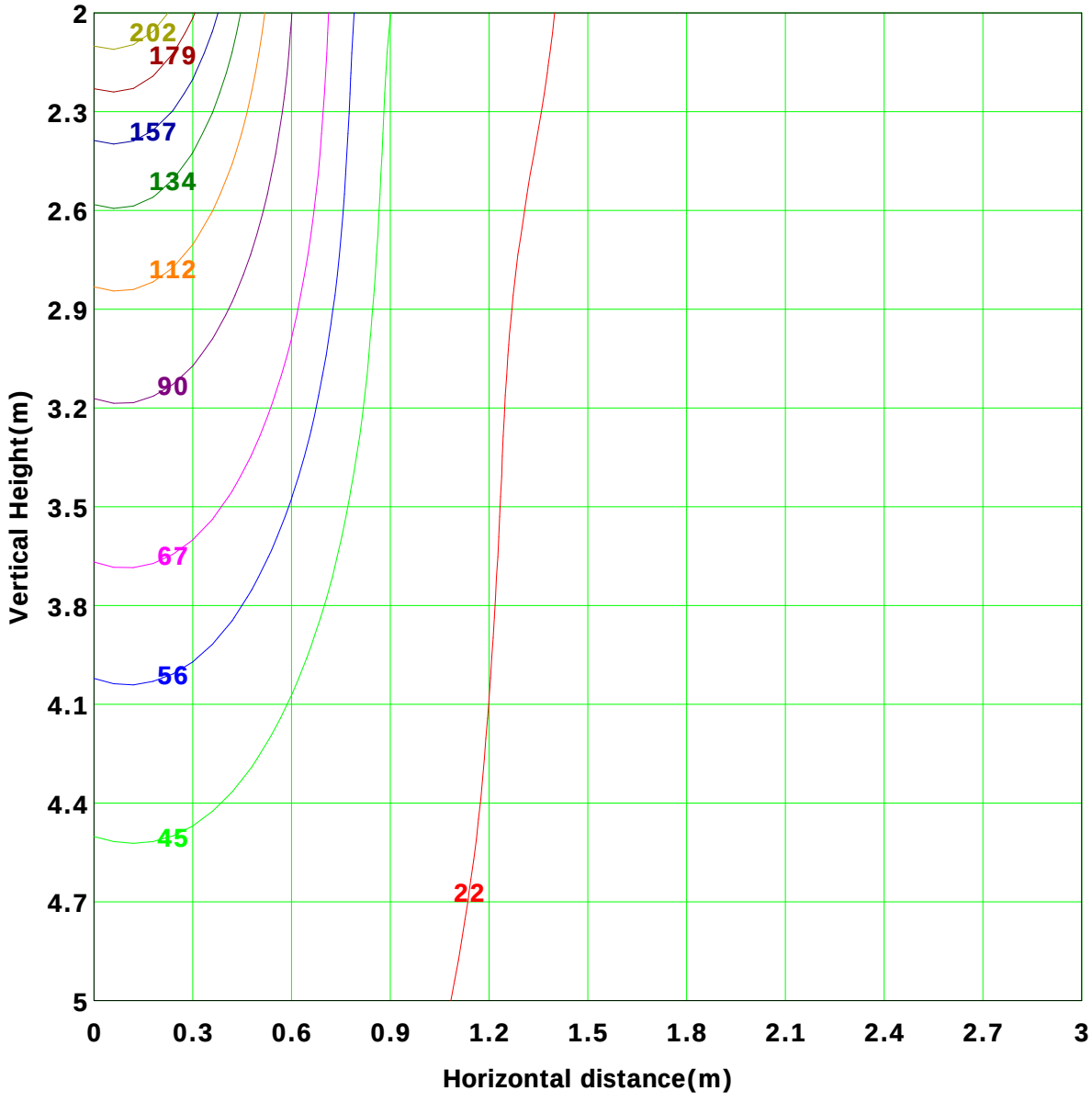
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	887.55	0.49/0.49	0.2	530.57
2.0	221.89	0.98/0.98	0.8	132.64
3.0	98.62	1.48/1.46	1.7	58.95
4.0	55.47	1.97/1.95	3.0	33.16
5.0	35.50	2.46/2.44	4.7	21.22
6.0	24.65	2.95/2.93	6.8	14.74
7.0	18.11	3.45/3.42	9.2	10.83
8.0	13.87	3.94/3.90	12.1	8.29
9.0	10.96	4.43/4.39	15.3	6.55
10.0	8.88	4.92/4.88	18.8	5.31

Beam Angle(B): H27.7 V27.4 Field Angle(F): H84.5 V85.7

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: 223.9 lx

(10%): 22.4 lx	(20%): 44.8 lx
(25%): 56.0 lx	(30%): 67.2 lx
(40%): 89.6 lx	(50%): 112.0 lx
(60%): 134.4 lx	(70%): 156.7 lx
(80%): 179.1 lx	(90%): 201.5 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	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	0.0	1.3	0.0
0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	4.0	0.0
0.1	0.1	0.2	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	8.6	0.0
0.1	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.6	1.6	1.3	1.1	0.8	0.6	0.5	0.3	0.2	0.0	15.5	0.0
0.2	0.2	0.3	0.6	0.9	1.3	1.7	2.2	2.7	2.8	2.8	2.2	1.7	1.3	0.9	0.6	0.4	0.2	0.0	25.4	12.2
0.2	0.2	0.4	0.7	1.2	1.8	2.5	3.4	4.4	5.0	4.8	4.2	3.4	2.5	1.8	1.2	0.8	0.4	0.0	38.9	27.9
0.2	0.2	0.5	0.9	1.5	2.3	3.2	4.7	7.8	11.2	9.9	6.8	4.7	3.4	2.3	1.5	0.9	0.5	0.0	62.1	51.7
0.2	0.2	0.5	0.9	1.6	2.6	3.6	5.9	12.3	21.5	20.4	10.8	5.8	3.9	2.6	1.6	0.9	0.5	0.0	95.7	85.7
0.2	0.2	0.5	0.9	1.6	2.6	3.7	5.9	12.1	22.0	21.2	10.9	5.8	4.0	2.6	1.6	0.9	0.5	0.0	97.0	87.0
0.2	0.2	0.5	0.9	1.5	2.3	3.2	4.8	7.8	12.3	11.2	6.9	4.8	3.4	2.3	1.5	0.9	0.5	0.0	65.0	54.8
0.2	0.2	0.4	0.8	1.2	1.8	2.5	3.5	4.6	5.6	5.5	4.4	3.5	2.6	1.8	1.2	0.8	0.4	0.0	41.2	30.4
0.2	0.2	0.3	0.6	1.0	1.3	1.8	2.3	2.9	3.3	3.2	2.8	2.3	1.8	1.3	0.9	0.6	0.3	0.0	27.3	15.1
0.1	0.2	0.2	0.4	0.7	0.9	1.2	1.4	1.7	1.9	1.8	1.7	1.4	1.1	0.9	0.6	0.4	0.2	0.0	17.0	2.0
0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9	0.9	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.2	0.1	9.6	0.0
0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	4.7	0.0
0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	1.7	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
2.1	4.4	8.0	12.9	19.3	27.6	37.7	55.3	85.3	90.0	60.5	38.0	26.7	18.7	12.9	8.5	5.0	2.6	516		
0.0	0.0	0.0	0.0	2.8	17.9	30.5	49.2	79.8	84.5	54.5	30.8	15.9	0.9	0.0	0.0	0.0	0.0		367	

Horizontal plane

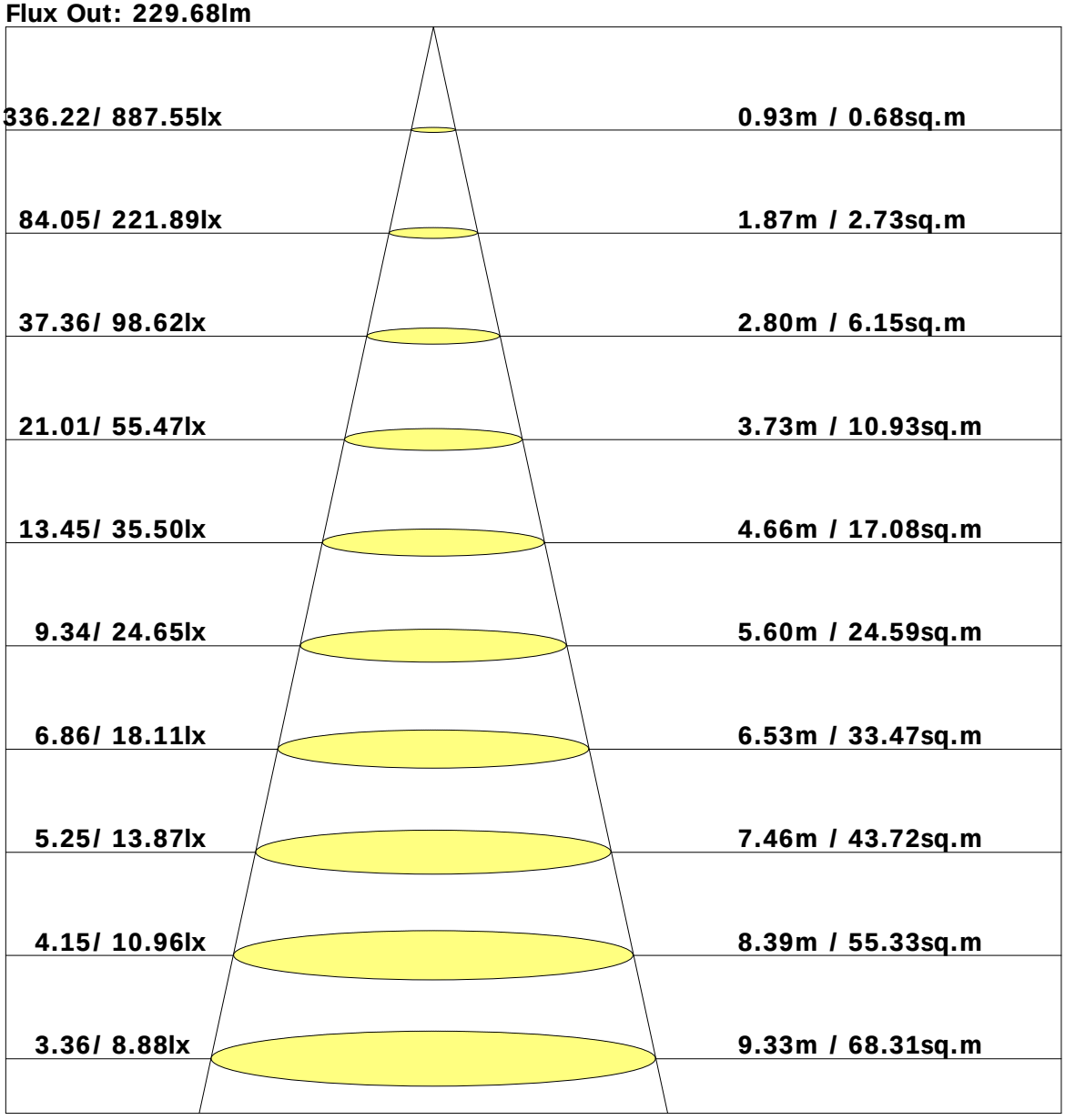
Flux(E) Flux(T) 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90

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: 229.68lm



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

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

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Test Device: GPM-1800B
Distance: 9.028 m
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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	20.3	21.6	20.7	22.0	22.3	18.7	20.0	19.1	20.4	20.7
3H	21.8	22.9	22.2	23.3	23.7	19.9	21.1	20.3	21.5	21.9
4H	22.4	23.4	22.8	23.8	24.3	20.3	21.4	20.8	21.8	22.2
6H	22.8	23.8	23.3	24.2	24.7	20.6	21.6	21.1	22.0	22.5
8H	23.0	24.0	23.5	24.4	24.9	20.7	21.6	21.2	22.1	22.5
12H	23.2	24.1	23.7	24.5	25.0	20.7	21.7	21.2	22.1	22.6
X=4H Y=2H	20.6	21.6	21.0	22.0	22.5	19.2	20.3	19.7	20.7	21.2
3H	22.2	23.1	22.7	23.5	24.0	20.7	21.6	21.1	22.0	22.5
4H	22.9	23.7	23.3	24.1	24.6	21.2	22.0	21.6	22.4	22.9
6H	23.4	24.1	23.9	24.6	25.2	21.6	22.3	22.1	22.7	23.3
8H	23.7	24.3	24.2	24.8	25.4	21.7	22.3	22.2	22.8	23.3
12H	23.9	24.5	24.5	25.0	25.6	21.8	22.4	22.3	22.9	23.4
X=8H Y=4H	23.0	23.6	23.5	24.1	24.6	21.4	22.1	21.9	22.6	23.1
6H	23.6	24.2	24.2	24.7	25.2	21.9	22.5	22.5	23.0	23.5
8H	23.9	24.4	24.5	25.0	25.5	22.1	22.6	22.7	23.2	23.7
12H	24.2	24.7	24.8	25.2	25.8	22.3	22.7	22.9	23.3	23.9
X=12H Y=4H	22.9	23.5	23.5	24.0	24.6	21.5	22.0	22.0	22.6	23.1
6H	23.6	24.1	24.2	24.6	25.2	22.0	22.5	22.6	23.0	23.6
8H	24.0	24.4	24.5	24.9	25.5	22.2	22.7	22.8	23.2	23.8

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 = 0.75				
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	0.71	0.79	0.85	0.89	0.95	0.99	1.01	1.05	1.07
	0.30		0.65	0.73	0.79	0.83	0.90	0.94	0.97	1.01	1.04
	0.20		0.61	0.69	0.75	0.79	0.86	0.90	0.94	0.98	1.02
0.50	0.50	0.20	0.70	0.77	0.82	0.86	0.91	0.95	0.97	1.00	1.02
	0.30		0.64	0.72	0.77	0.81	0.87	0.91	0.94	0.98	1.00
	0.20		0.60	0.68	0.73	0.78	0.84	0.88	0.91	0.95	0.98
0.30	0.50	0.20	0.68	0.75	0.80	0.83	0.88	0.91	0.94	0.96	0.98
	0.30		0.63	0.71	0.76	0.80	0.85	0.88	0.91	0.94	0.96
	0.20		0.60	0.67	0.72	0.76	0.82	0.86	0.89	0.92	0.95
0.00	0.00	0.00	0.58	0.64	0.69	0.73	0.78	0.82	0.84	0.87	0.89

Rating:6W 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 = 0.75								
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	0.78	0.65	0.55	0.48	0.38	0.32	0.27	0.21	0.17
	0.30		0.65	0.55	0.48	0.42	0.35	0.29	0.25	0.20	0.16
	0.20		0.56	0.48	0.43	0.38	0.31	0.27	0.23	0.19	0.16
0.50	0.50	0.20	0.75	0.61	0.52	0.45	0.36	0.33	0.25	0.20	0.16
	0.30		0.63	0.53	0.46	0.41	0.33	0.28	0.24	0.19	0.15
	0.20		0.55	0.47	0.41	0.37	0.30	0.26	0.22	0.18	0.15
0.30	0.50	0.20	0.72	0.58	0.49	0.43	0.34	0.28	0.24	0.18	0.15
	0.30		0.61	0.51	0.44	0.39	0.31	0.26	0.22	0.18	0.15
	0.20		0.54	0.46	0.40	0.35	0.29	0.25	0.21	0.17	0.14
0.00	0.00	0.00	0.41	0.35	0.30	0.26	0.21	0.17	0.15	0.12	0.10

Rating:6W 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 = 0.75								
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	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24
	0.30		0.11	0.13	0.15	0.16	0.17	0.19	0.19	0.21	0.22
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.16	0.18	0.19	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.18
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:6W 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	898.8	0.9	0.9	0.16	0.16
1.0-2.0	891.4	2.6	3.4	0.49	0.65
2.0-3.0	877.0	4.2	7.6	0.80	1.44
3.0-4.0	856.1	5.7	13.3	1.09	2.53
4.0-5.0	829.2	7.1	20.5	1.35	3.88
5.0-6.0	796.7	8.4	28.9	1.59	5.47
6.0-7.0	759.9	9.4	38.3	1.79	7.26
7.0-8.0	719.5	10.3	48.6	1.95	9.21
8.0-9.0	676.5	11.0	59.6	2.08	11.29
9.0-10.0	632.5	11.4	71.0	2.17	13.46
10.0-11.0	588.0	11.8	82.7	2.23	15.69
11.0-12.0	543.5	11.9	94.6	2.25	17.94
12.0-13.0	500.5	11.9	106.5	2.25	20.19
13.0-14.0	459.7	11.8	118.3	2.23	22.42
14.0-15.0	421.1	11.6	129.8	2.19	24.61
15.0-16.0	385.0	11.3	141.1	2.14	26.75
16.0-17.0	352.4	11.0	152.1	2.08	28.83
17.0-18.0	322.9	10.6	162.7	2.02	30.85
18.0-19.0	296.6	10.3	173.1	1.96	32.81
19.0-20.0	273.7	10.0	183.1	1.90	34.70
20.0-21.0	253.6	9.7	192.8	1.85	36.55
21.0-22.0	236.2	9.5	202.3	1.80	38.35
22.0-23.0	221.3	9.3	211.6	1.76	40.11
23.0-24.0	208.4	9.1	220.7	1.73	41.84
24.0-25.0	197.1	9.0	229.7	1.70	43.54
25.0-26.0	187.2	8.8	238.5	1.67	45.21
26.0-27.0	178.4	8.7	247.2	1.65	46.87
27.0-28.0	170.4	8.6	255.9	1.64	48.50
28.0-29.0	163.1	8.5	264.4	1.62	50.12
29.0-30.0	156.3	8.4	272.8	1.60	51.72
30.0-31.0	149.9	8.3	281.2	1.58	53.30
31.0-32.0	143.9	8.2	289.4	1.56	54.86
32.0-33.0	138.1	8.1	297.6	1.54	56.40
33.0-34.0	132.5	8.0	305.6	1.52	57.92
34.0-35.0	127.1	7.9	313.5	1.50	59.42
35.0-36.0	121.9	7.8	321.2	1.47	60.89

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	116.9	7.6	328.9	1.45	62.34
37.0-38.0	112.0	7.5	336.3	1.42	63.76
38.0-39.0	107.3	7.3	343.7	1.39	65.14
39.0-40.0	102.8	7.2	350.8	1.36	66.50
40.0-41.0	98.4	7.0	357.8	1.33	67.83
41.0-42.0	94.1	6.8	364.7	1.30	69.13
42.0-43.0	90.1	6.7	371.4	1.26	70.39
43.0-44.0	86.1	6.5	377.9	1.23	71.62
44.0-45.0	82.3	6.3	384.2	1.20	72.82
45.0-46.0	78.7	6.2	390.3	1.17	73.99
46.0-47.0	75.2	6.0	396.3	1.13	75.13
47.0-48.0	71.9	5.8	402.1	1.10	76.23
48.0-49.0	68.7	5.6	407.8	1.07	77.30
49.0-50.0	65.7	5.5	413.3	1.04	78.33
50.0-51.0	62.7	5.3	418.6	1.01	79.34
51.0-52.0	59.9	5.1	423.7	0.97	80.31
52.0-53.0	57.2	5.0	428.7	0.94	81.26
53.0-54.0	54.6	4.8	433.5	0.91	82.17
54.0-55.0	52.1	4.7	438.1	0.88	83.05
55.0-56.0	49.8	4.5	442.6	0.85	83.90
56.0-57.0	47.5	4.3	447.0	0.82	84.73
57.0-58.0	45.3	4.2	451.2	0.79	85.52
58.0-59.0	43.2	4.0	455.2	0.77	86.29
59.0-60.0	41.2	3.9	459.1	0.74	87.02
60.0-61.0	39.2	3.7	462.8	0.71	87.73
61.0-62.0	37.3	3.6	466.4	0.68	88.42
62.0-63.0	35.4	3.4	469.9	0.65	89.07
63.0-64.0	33.7	3.3	473.2	0.63	89.69
64.0-65.0	31.9	3.2	476.4	0.60	90.29
65.0-66.0	30.3	3.0	479.4	0.57	90.87
66.0-67.0	28.7	2.9	482.3	0.55	91.41
67.0-68.0	27.1	2.7	485.0	0.52	91.93
68.0-69.0	25.5	2.6	487.6	0.49	92.43
69.0-70.0	24.0	2.5	490.1	0.47	92.89
70.0-71.0	22.6	2.3	492.4	0.44	93.34
71.0-72.0	21.2	2.2	494.6	0.42	93.75

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	19.8	2.1	496.7	0.39	94.15
73.0-74.0	18.5	1.9	498.6	0.37	94.52
74.0-75.0	17.3	1.8	500.4	0.35	94.86
75.0-76.0	16.1	1.7	502.2	0.32	95.18
76.0-77.0	14.9	1.6	503.7	0.30	95.49
77.0-78.0	13.8	1.5	505.2	0.28	95.77
78.0-79.0	12.7	1.4	506.6	0.26	96.03
79.0-80.0	11.8	1.3	507.9	0.24	96.27
80.0-81.0	10.8	1.2	509.0	0.22	96.49
81.0-82.0	9.9	1.1	510.1	0.20	96.69
82.0-83.0	9.1	1.0	511.1	0.19	96.88
83.0-84.0	8.2	0.9	512.0	0.17	97.05
84.0-85.0	7.4	0.8	512.8	0.15	97.20
85.0-86.0	6.7	0.7	513.5	0.14	97.34
86.0-87.0	6.0	0.7	514.2	0.12	97.46
87.0-88.0	5.3	0.6	514.8	0.11	97.57
88.0-89.0	4.7	0.5	515.3	0.10	97.67
89.0-90.0	4.1	0.5	515.7	0.09	97.76
90.0-91.0	3.6	0.4	516.1	0.08	97.83
91.0-92.0	3.2	0.4	516.5	0.07	97.90
92.0-93.0	2.9	0.3	516.8	0.06	97.96
93.0-94.0	2.6	0.3	517.1	0.05	98.02
94.0-95.0	2.4	0.3	517.3	0.05	98.07
95.0-96.0	2.2	0.2	517.6	0.05	98.11
96.0-97.0	2.0	0.2	517.8	0.04	98.15
97.0-98.0	1.8	0.2	518.0	0.04	98.19
98.0-99.0	1.7	0.2	518.2	0.03	98.22
99.0-100.0	1.6	0.2	518.3	0.03	98.25
100.0-101.0	1.4	0.2	518.5	0.03	98.28
101.0-102.0	1.3	0.1	518.7	0.03	98.31
102.0-103.0	1.3	0.1	518.8	0.03	98.34
103.0-104.0	1.2	0.1	518.9	0.03	98.36
104.0-105.0	1.2	0.1	519.0	0.02	98.39
105.0-106.0	1.2	0.1	519.2	0.02	98.41
106.0-107.0	1.2	0.1	519.3	0.02	98.44
107.0-108.0	1.2	0.1	519.4	0.02	98.46

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	1.2	0.1	519.5	0.02	98.48
109.0-110.0	1.2	0.1	519.7	0.02	98.51
110.0-111.0	1.2	0.1	519.8	0.02	98.53
111.0-112.0	1.2	0.1	519.9	0.02	98.55
112.0-113.0	1.2	0.1	520.0	0.02	98.58
113.0-114.0	1.2	0.1	520.2	0.02	98.60
114.0-115.0	1.3	0.1	520.3	0.02	98.62
115.0-116.0	1.3	0.1	520.4	0.02	98.65
116.0-117.0	1.3	0.1	520.5	0.02	98.67
117.0-118.0	1.3	0.1	520.7	0.02	98.70
118.0-119.0	1.3	0.1	520.8	0.02	98.72
119.0-120.0	1.3	0.1	520.9	0.02	98.74
120.0-121.0	1.3	0.1	521.1	0.02	98.77
121.0-122.0	1.4	0.1	521.2	0.02	98.79
122.0-123.0	1.4	0.1	521.3	0.02	98.82
123.0-124.0	1.4	0.1	521.4	0.02	98.84
124.0-125.0	1.4	0.1	521.6	0.02	98.86
125.0-126.0	1.5	0.1	521.7	0.02	98.89
126.0-127.0	1.5	0.1	521.8	0.02	98.91
127.0-128.0	1.5	0.1	522.0	0.02	98.94
128.0-129.0	1.5	0.1	522.1	0.02	98.96
129.0-130.0	1.6	0.1	522.2	0.03	98.99
130.0-131.0	1.6	0.1	522.4	0.03	99.01
131.0-132.0	1.7	0.1	522.5	0.03	99.04
132.0-133.0	1.7	0.1	522.6	0.03	99.07
133.0-134.0	1.7	0.1	522.8	0.03	99.09
134.0-135.0	1.7	0.1	522.9	0.03	99.12
135.0-136.0	1.8	0.1	523.0	0.03	99.14
136.0-137.0	1.8	0.1	523.2	0.03	99.17
137.0-138.0	1.9	0.1	523.3	0.03	99.20
138.0-139.0	1.9	0.1	523.5	0.03	99.22
139.0-140.0	2.0	0.1	523.6	0.03	99.25
140.0-141.0	2.0	0.1	523.7	0.03	99.28
141.0-142.0	2.1	0.1	523.9	0.03	99.30
142.0-143.0	2.1	0.1	524.0	0.03	99.33
143.0-144.0	2.2	0.1	524.2	0.03	99.36

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	2.3	0.1	524.3	0.03	99.39
145.0-146.0	2.3	0.1	524.5	0.03	99.41
146.0-147.0	2.4	0.1	524.6	0.03	99.44
147.0-148.0	2.5	0.1	524.7	0.03	99.47
148.0-149.0	2.5	0.1	524.9	0.03	99.49
149.0-150.0	2.6	0.1	525.0	0.03	99.52
150.0-151.0	2.6	0.1	525.2	0.03	99.55
151.0-152.0	2.7	0.1	525.3	0.03	99.57
152.0-153.0	2.7	0.1	525.5	0.03	99.60
153.0-154.0	2.8	0.1	525.6	0.03	99.63
154.0-155.0	2.8	0.1	525.7	0.03	99.65
155.0-156.0	2.9	0.1	525.9	0.02	99.68
156.0-157.0	2.9	0.1	526.0	0.02	99.70
157.0-158.0	3.0	0.1	526.1	0.02	99.72
158.0-159.0	3.0	0.1	526.2	0.02	99.75
159.0-160.0	3.1	0.1	526.3	0.02	99.77
160.0-161.0	3.1	0.1	526.5	0.02	99.79
161.0-162.0	3.1	0.1	526.6	0.02	99.81
162.0-163.0	3.2	0.1	526.7	0.02	99.83
163.0-164.0	3.2	0.1	526.8	0.02	99.85
164.0-165.0	3.2	0.1	526.9	0.02	99.87
165.0-166.0	3.2	0.1	526.9	0.02	99.88
166.0-167.0	3.2	0.1	527.0	0.02	99.90
167.0-168.0	3.3	0.1	527.1	0.01	99.91
168.0-169.0	3.3	0.1	527.2	0.01	99.93
169.0-170.0	3.3	0.1	527.2	0.01	99.94
170.0-171.0	3.3	0.1	527.3	0.01	99.95
171.0-172.0	3.3	0.1	527.4	0.01	99.96
172.0-173.0	3.3	0.0	527.4	0.01	99.97
173.0-174.0	3.3	0.0	527.4	0.01	99.98
174.0-175.0	3.3	0.0	527.5	0.01	99.99
175.0-176.0	3.3	0.0	527.5	0.01	99.99
176.0-177.0	3.3	0.0	527.5	0.00	99.99
177.0-178.0	3.3	0.0	527.5	0.00	100.00
178.0-179.0	3.3	0.0	527.6	0.00	100.00
179.0-180.0	3.3	0.0	527.6	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: