ACOLYTE
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Report No.: **Test Time: 2021/2/18 17:24**

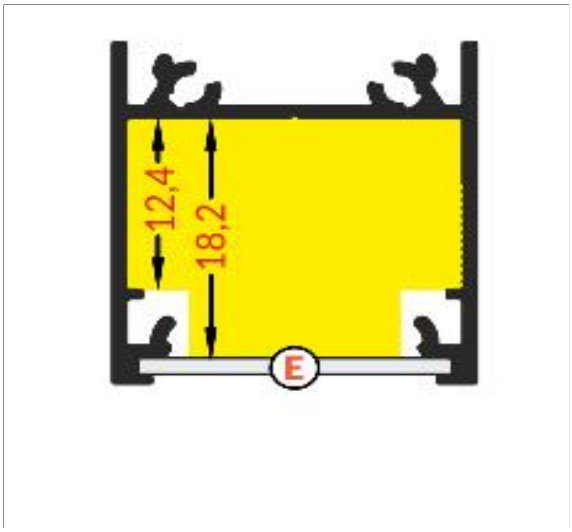
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: CHANNEL
Luminaire Description: AS23
Lamp Catalog: RIBBONLYTE
Lamp Description: RB90SWS2203.030
Number of Lamps: 1 ROWS
Luminous Length (mm): 500
Luminous Width (mm): 23
Luminous Height (mm): 25
Voltage: 24.0 V
Current: 0.226 A
Power: 5.43 W
Power Factor: 1.000

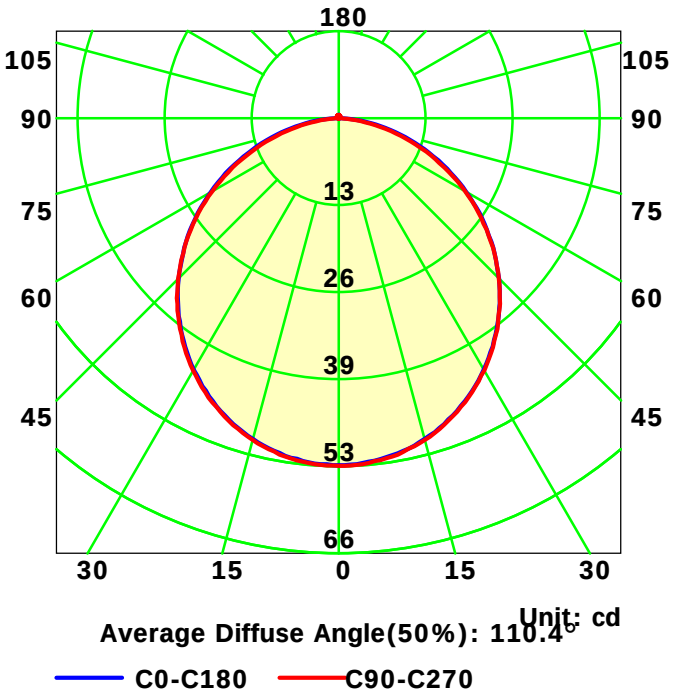
Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 149.5 lm
Measurement Flux: 149.5 lm
Efficiency: 100%
Downward Ratio: 99%
Upward Ratio: 1%
Horizontal Diffuse Angle(10%,50%): H161.6,H110.6
Vertical Diffuse Angle(10%,50%): V159.1,V110.1
Luminaire Efficacy Rating (LER): 28
Central Intensity: 53.12 cd
Max. Intensity: 53.28 cd
Pos of Max. Intensity: H120 V0

Picture Of Luminaire

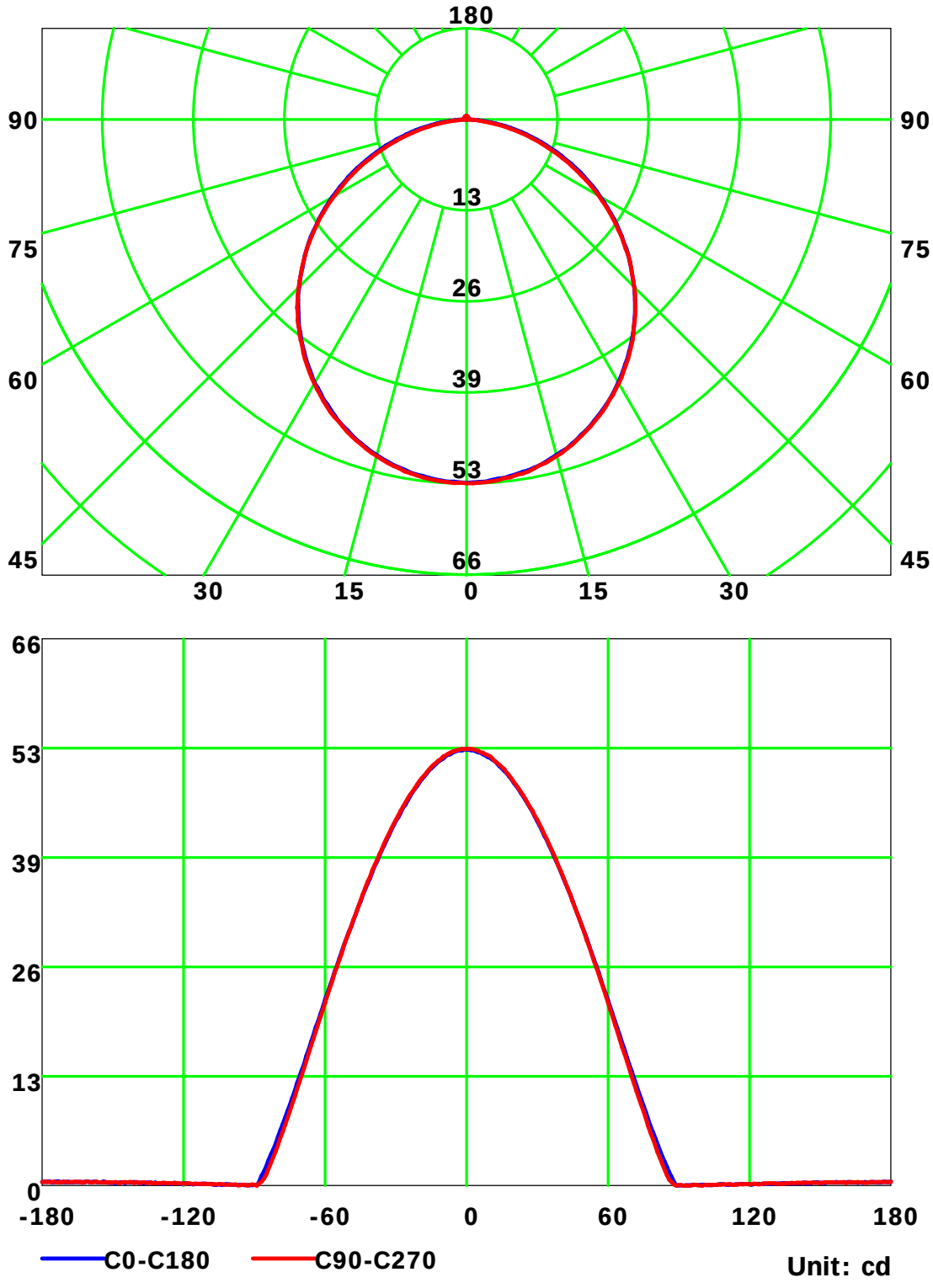


Luminous Intensity Distribution Curve



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

Luminous Intensity Distribution Curve



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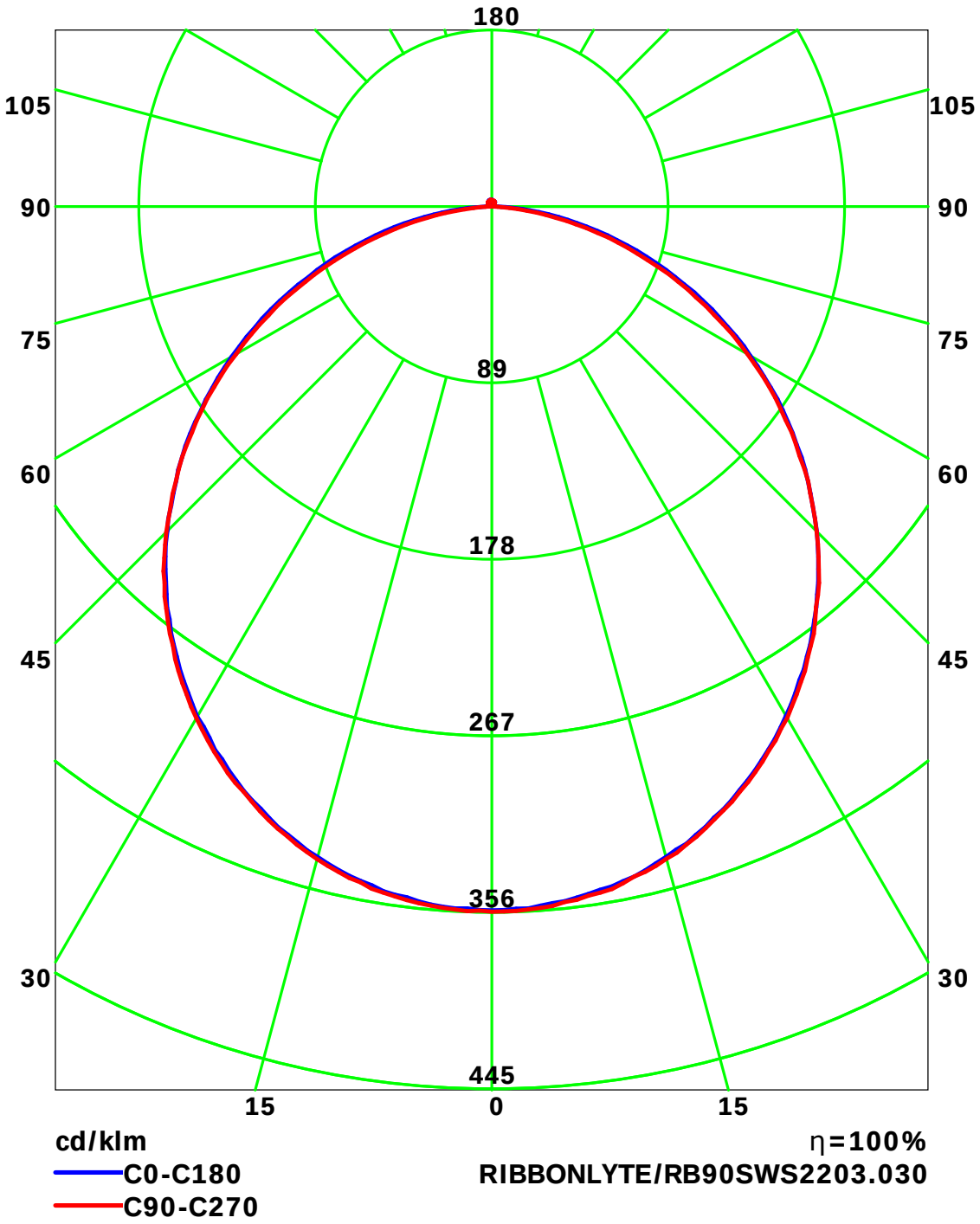
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
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Gamma Plane (°):0.0-180.0:1.0
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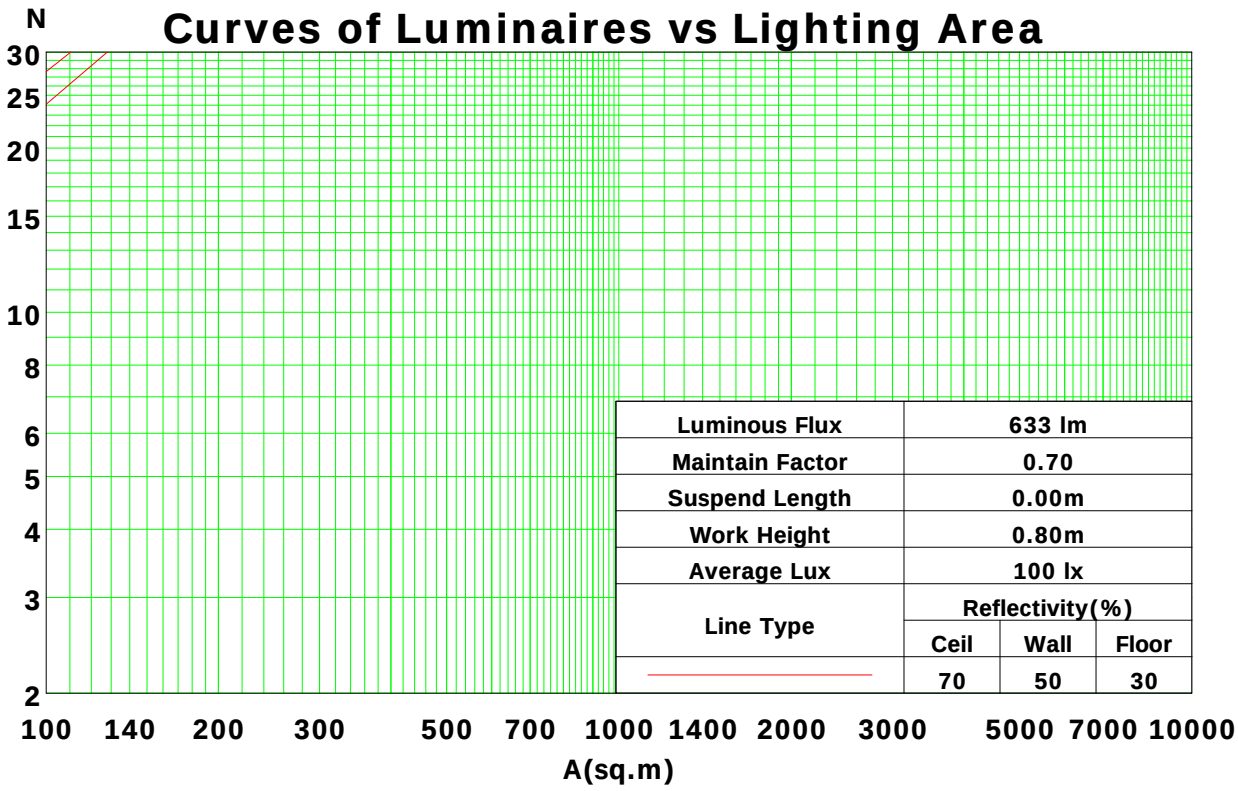
Coefficients Of Utilization - Zonal Cavity Method

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	109	104	100	96	106	102	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	69
3	90	80	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	71	62	55	80	69	61	55	66	59	54	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	51	43	37	63	51	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	33	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.25
Spacing Criteria (Diagonal): 1.36

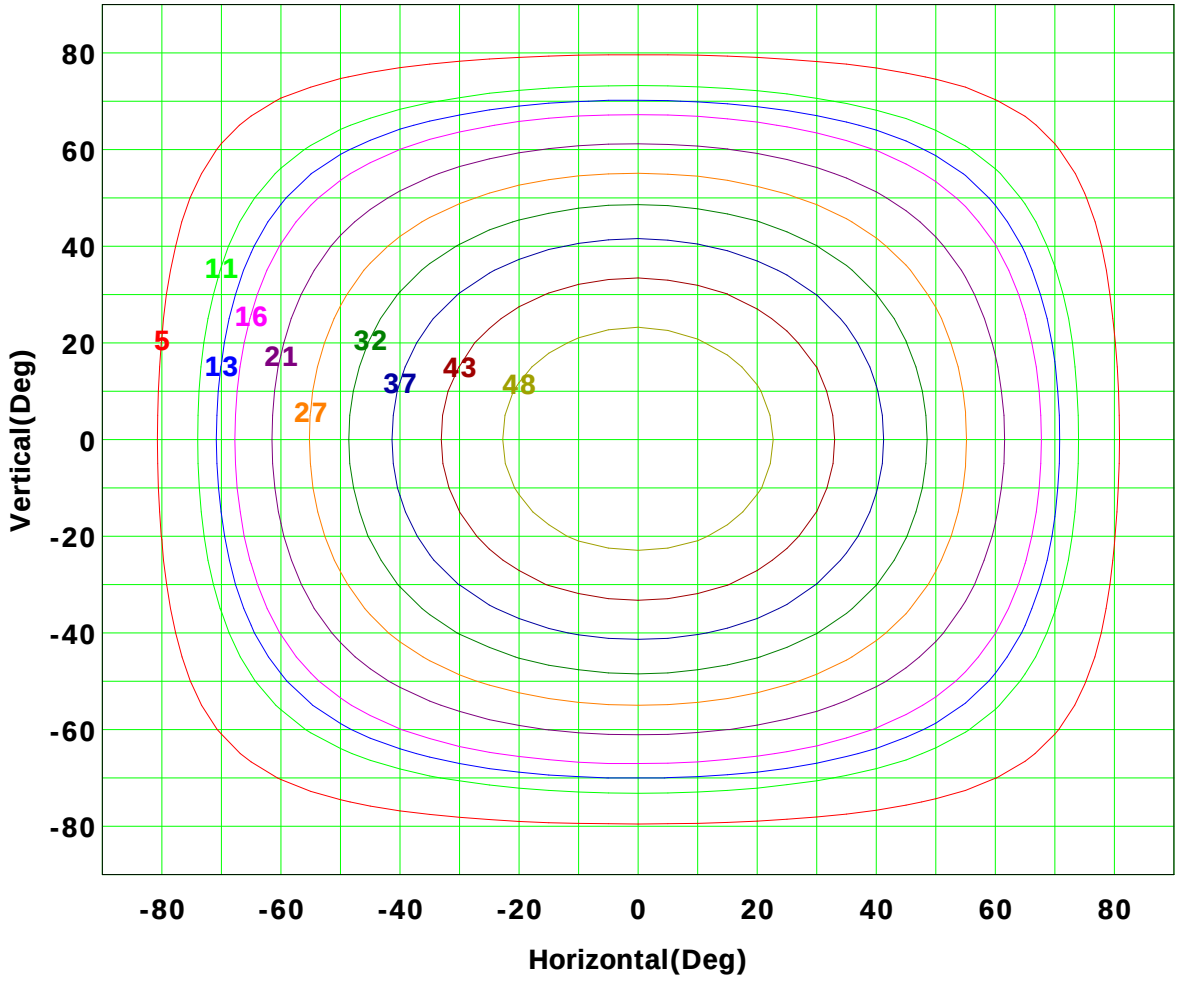
Curves of Luminaires vs Lighting Area



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)



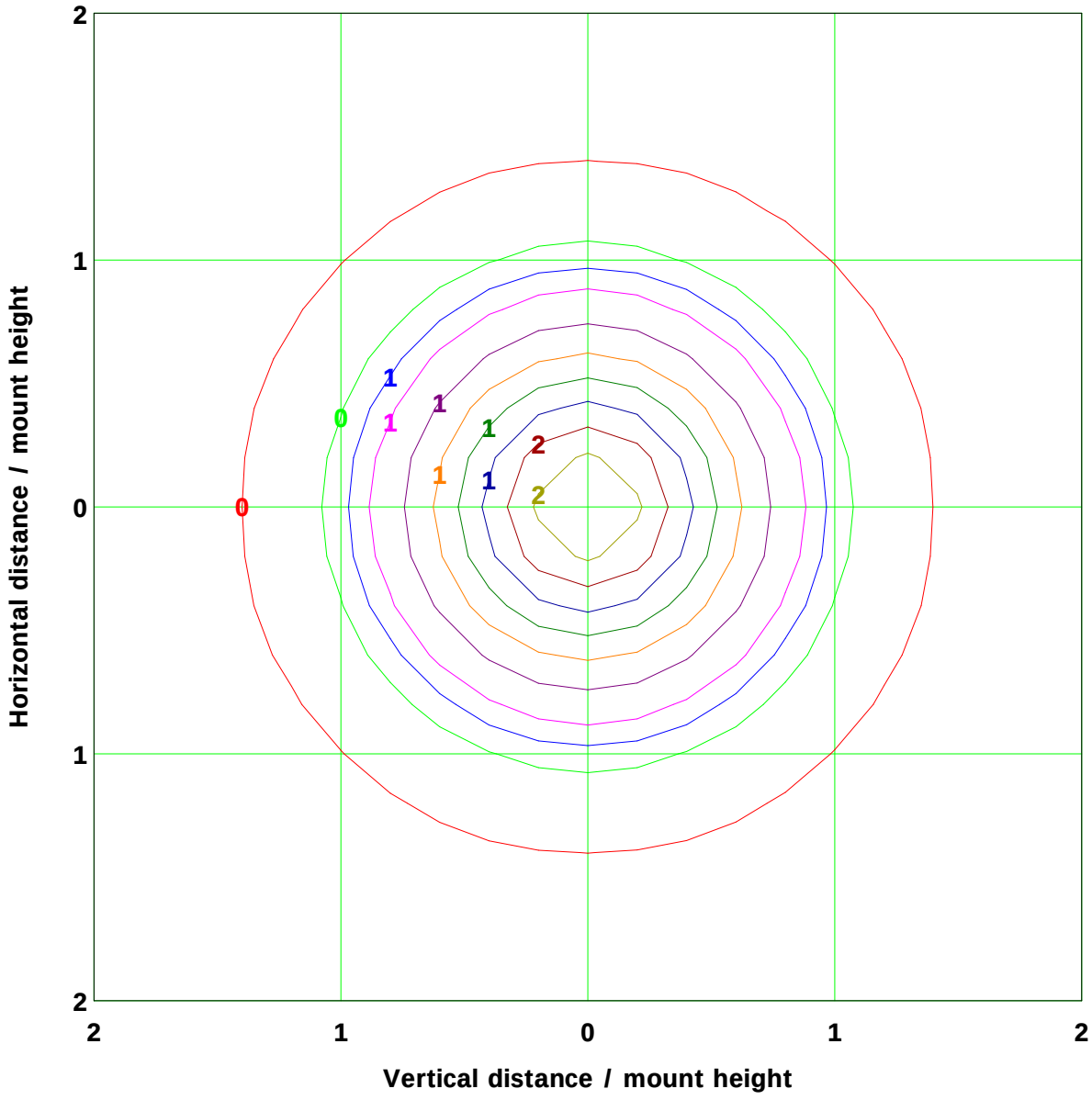
Imax (100%): 53 cd

(10%):	5 cd	(20%):	11 cd
(25%):	13 cd	(30%):	16 cd
(40%):	21 cd	(50%):	27 cd
(60%):	32 cd	(70%):	37 cd
(80%):	43 cd	(90%):	48 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%): 2.1 lx

(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.9 lx	(50%): 1.1 lx
(60%): 1.3 lx	(70%): 1.5 lx
(80%): 1.7 lx	(90%): 1.9 lx

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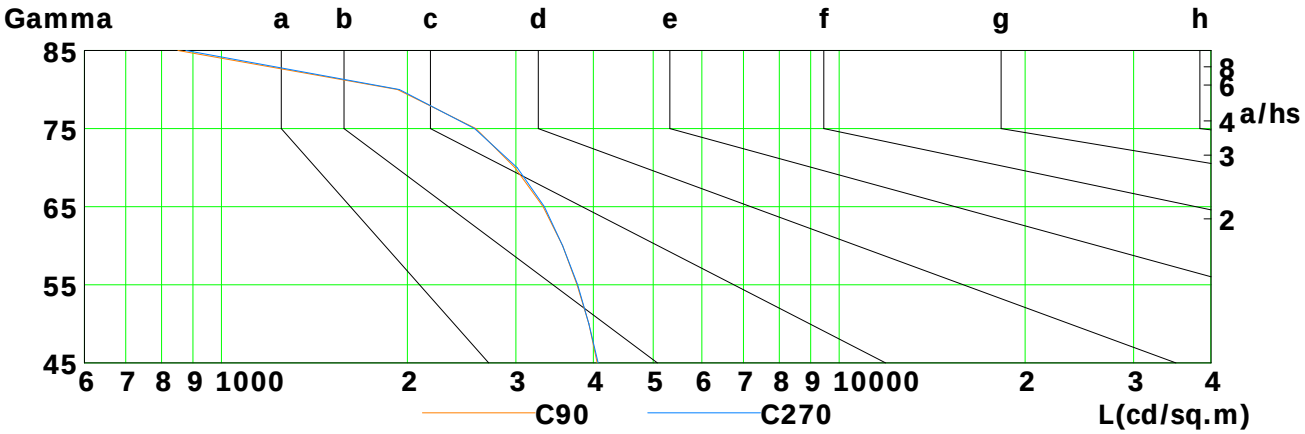
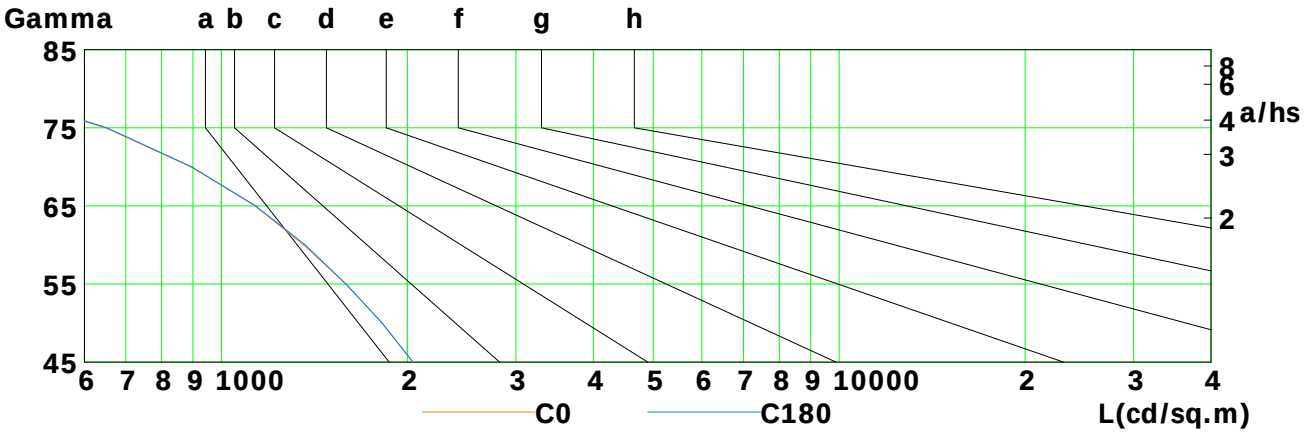
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	2045	1820	1592	1360	1134	894	650	407	174
C90	4061	3934	3765	3569	3317	2989	2582	1927	851
C180	2042	1822	1591	1368	1137	895	652	417	180
C270	4072	3937	3775	3568	3336	3013	2571	1943	876

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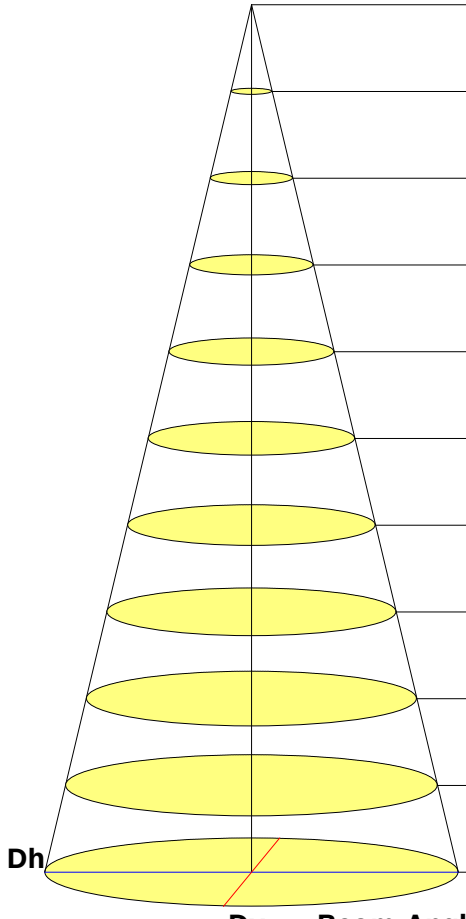
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Illuminance at a Distance



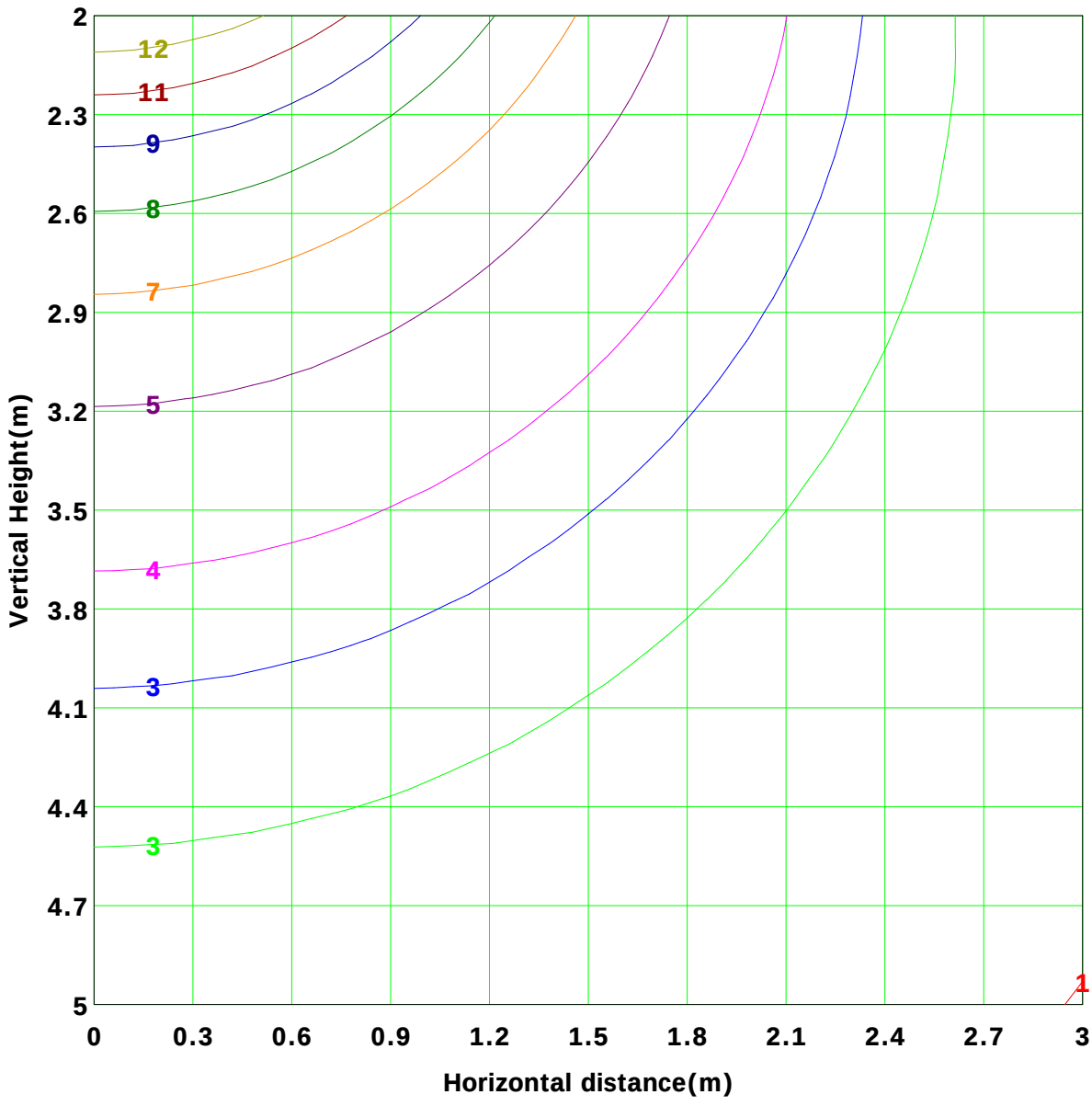
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	53.12	2.89/2.86	6.5	9.15
2.0	13.28	5.78/5.72	26.0	2.29
3.0	5.90	8.67/8.58	58.5	1.02
4.0	3.32	11.56/11.44	104.0	0.57
5.0	2.12	14.44/14.31	162.5	0.37
6.0	1.48	17.33/17.17	234.1	0.25
7.0	1.08	20.22/20.03	318.6	0.19
8.0	0.83	23.11/22.89	416.1	0.14
9.0	0.66	26.00/25.75	526.7	0.11
10.0	0.53	28.89/28.61	650.2	0.09

Beam Angle(B): H110.6 V110.1 Field Angle(F): H161.6 V159.1

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

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

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 13.3 lx

(10%): 1.3 lx	(20%): 2.7 lx
(25%): 3.3 lx	(30%): 4.0 lx
(40%): 5.3 lx	(50%): 6.6 lx
(60%): 8.0 lx	(70%): 9.3 lx
(80%): 10.6 lx	(90%): 12.0 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

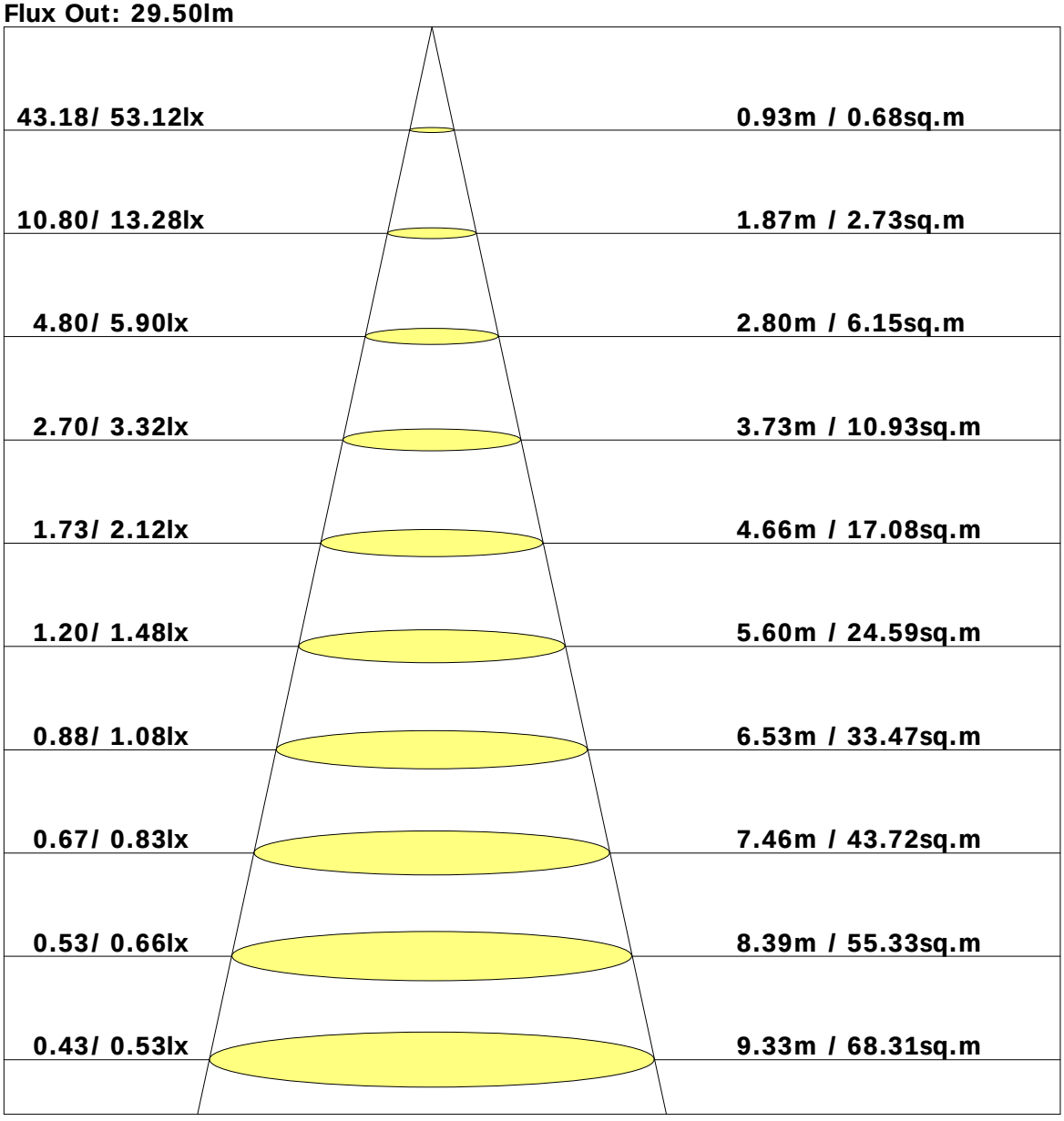
Horizontal plane	Vertical plane																									Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0					
-80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.7					
-70	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.5	2.4					
-60	0.0	0.0	0.1	0.2	0.2	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.9	4.8					
-50	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	7.9	7.8					
-40	0.0	0.0	0.2	0.3	0.5	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.0	0.0	11.0	10.8					
-30	0.0	0.0	0.2	0.4	0.6	1.0	1.2	1.3	1.3	1.3	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.0	0.0	13.7	13.6					
-20	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.3	1.2	1.0	0.7	0.5	0.3	0.0	0.0	15.9	15.7					
-10	0.0	0.1	0.3	0.5	0.8	1.0	1.3	1.4	1.5	1.6	1.5	1.4	1.3	1.2	0.8	0.5	0.3	0.1	0.0	17.0	16.9					
0	0.0	0.1	0.3	0.5	0.8	1.0	1.3	1.4	1.5	1.6	1.6	1.4	1.3	1.2	0.8	0.5	0.3	0.1	0.0	17.0	16.9					
10	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	0.7	0.5	0.3	0.0	0.0	15.9	15.8					
20	0.0	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.0	13.8	13.7					
30	0.0	0.0	0.2	0.3	0.5	0.7	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.0	0.0	11.0	10.9					
40	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	7.9	7.8					
50	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	5.0	4.8					
60	0.0	0.0	0.1	0.1	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	0.0	0.0	2.5	2.4					
70	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	0.0	0.0	0.0	0.0	0.8	0.7					
80	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	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.4	0.5					
Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.4					
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	4.6	4.7					
	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	6.9	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	9.1	9.0					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	10.9					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	12.3					
	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	13.3	13.3					
	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	13.9	13.8					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	13.8					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.3					
	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	12.3	12.3					
	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	10.9	10.9					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	9.0					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.9					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.6					
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	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	0.5	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: 29.50lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	43.18/ 53.12lx		0.93m / 0.68sq.m
2.0m	10.80/ 13.28lx		1.87m / 2.73sq.m
3.0m	4.80/ 5.90lx		2.80m / 6.15sq.m
4.0m	2.70/ 3.32lx		3.73m / 10.93sq.m
5.0m	1.73/ 2.12lx		4.66m / 17.08sq.m
6.0m	1.20/ 1.48lx		5.60m / 24.59sq.m
7.0m	0.88/ 1.08lx		6.53m / 33.47sq.m
8.0m	0.67/ 0.83lx		7.46m / 43.72sq.m
9.0m	0.53/ 0.66lx		8.39m / 55.33sq.m
10.0m	0.43/ 0.53lx		9.33m / 68.31sq.m

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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	21.9	23.5	22.3	23.8	24.2	20.1	21.7	20.5	22.1	22.4
3H	23.6	25.1	24.0	25.4	25.8	21.4	22.8	21.8	23.2	23.6
4H	24.3	25.6	24.7	26.0	26.4	21.8	23.1	22.2	23.5	23.9
6H	24.7	26.0	25.1	26.3	26.8	21.9	23.2	22.4	23.6	24.0
8H	24.8	26.0	25.3	26.4	26.9	22.0	23.2	22.4	23.6	24.0
12H	24.9	26.0	25.3	26.5	26.9	21.9	23.1	22.4	23.5	24.0
X=4H Y=2H	22.2	23.6	22.6	23.9	24.3	20.7	22.1	21.1	22.5	22.9
3H	24.1	25.2	24.5	25.7	26.1	22.2	23.3	22.6	23.7	24.2
4H	24.8	25.8	25.3	26.3	26.7	22.6	23.7	23.1	24.1	24.6
6H	25.3	26.2	25.8	26.7	27.2	22.9	23.8	23.3	24.2	24.7
8H	25.5	26.3	26.0	26.8	27.3	22.9	23.7	23.4	24.2	24.7
12H	25.6	26.3	26.1	26.8	27.3	22.9	23.7	23.4	24.2	24.7
X=8H Y=4H	24.9	25.7	25.4	26.2	26.7	22.9	23.7	23.3	24.2	24.7
6H	25.4	26.2	26.0	26.7	27.2	23.2	23.9	23.7	24.4	24.9
8H	25.6	26.3	26.2	26.8	27.3	23.2	23.8	23.8	24.4	24.9
12H	25.8	26.3	26.3	26.8	27.4	23.2	23.8	23.8	24.3	24.9
X=12H Y=4H	24.9	25.6	25.4	26.1	26.6	22.9	23.6	23.4	24.1	24.6
6H	25.5	26.1	26.0	26.6	27.1	23.2	23.8	23.7	24.3	24.9
8H	25.7	26.2	26.2	26.7	27.3	23.3	23.8	23.8	24.3	24.9

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	0.57	0.67	0.74	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.49	0.59	0.67	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.43	0.54	0.61	0.67	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.48	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.53	0.63	0.70	0.74	0.81	0.85	0.88	0.92	0.95
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93
	0.20		0.42	0.52	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.50	0.57	0.62	0.69	0.74	0.78	0.82	0.85

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 = 1.25								
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	0.99	0.82	0.69	0.60	0.48	0.40	0.34	0.26	0.21
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.20
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.29	0.23	0.19
0.50	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.41	0.32	0.25	0.20
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.19
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.28	0.22	0.19
0.30	0.50	0.20	0.93	0.75	0.64	0.55	0.44	0.36	0.31	0.24	0.19
	0.30		0.79	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.27	0.22	0.18
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	0.21	0.17	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:

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	0.21	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	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	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		0.06	0.07	0.09	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: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	53.2	0.1	0.1	0.03	0.03
1.0-2.0	53.1	0.2	0.2	0.10	0.14
2.0-3.0	53.1	0.3	0.5	0.17	0.31
3.0-4.0	53.1	0.4	0.8	0.24	0.54
4.0-5.0	53.0	0.5	1.3	0.31	0.85
5.0-6.0	52.9	0.6	1.8	0.37	1.22
6.0-7.0	52.7	0.7	2.5	0.44	1.66
7.0-8.0	52.6	0.8	3.2	0.50	2.16
8.0-9.0	52.5	0.9	4.1	0.57	2.73
9.0-10.0	52.3	0.9	5.0	0.63	3.36
10.0-11.0	52.1	1.0	6.1	0.70	4.06
11.0-12.0	51.9	1.1	7.2	0.76	4.82
12.0-13.0	51.6	1.2	8.4	0.82	5.64
13.0-14.0	51.4	1.3	9.7	0.88	6.52
14.0-15.0	51.1	1.4	11.1	0.94	7.46
15.0-16.0	50.8	1.5	12.6	1.00	8.45
16.0-17.0	50.5	1.6	14.2	1.05	9.50
17.0-18.0	50.1	1.7	15.9	1.11	10.61
18.0-19.0	49.8	1.7	17.6	1.16	11.77
19.0-20.0	49.4	1.8	19.4	1.21	12.98
20.0-21.0	49.0	1.9	21.3	1.26	14.24
21.0-22.0	48.6	2.0	23.2	1.31	15.55
22.0-23.0	48.2	2.0	25.3	1.35	16.90
23.0-24.0	47.8	2.1	27.3	1.40	18.30
24.0-25.0	47.3	2.2	29.5	1.44	19.74
25.0-26.0	46.8	2.2	31.7	1.48	21.22
26.0-27.0	46.3	2.3	34.0	1.52	22.73
27.0-28.0	45.8	2.3	36.3	1.55	24.29
28.0-29.0	45.3	2.4	38.7	1.59	25.87
29.0-30.0	44.8	2.4	41.1	1.62	27.49
30.0-31.0	44.2	2.5	43.6	1.65	29.14
31.0-32.0	43.7	2.5	46.1	1.67	30.81
32.0-33.0	43.1	2.5	48.6	1.70	32.51
33.0-34.0	42.5	2.6	51.2	1.72	34.23
34.0-35.0	41.9	2.6	53.8	1.74	35.97
35.0-36.0	41.3	2.6	56.4	1.76	37.73

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	40.6	2.7	59.0	1.77	39.50
37.0-38.0	40.0	2.7	61.7	1.79	41.29
38.0-39.0	39.3	2.7	64.4	1.80	43.08
39.0-40.0	38.6	2.7	67.1	1.80	44.89
40.0-41.0	38.0	2.7	69.8	1.81	46.70
41.0-42.0	37.3	2.7	72.5	1.81	48.51
42.0-43.0	36.5	2.7	75.2	1.81	50.32
43.0-44.0	35.8	2.7	77.9	1.81	52.13
44.0-45.0	35.1	2.7	80.6	1.80	53.93
45.0-46.0	34.3	2.7	83.3	1.80	55.73
46.0-47.0	33.6	2.7	86.0	1.79	57.52
47.0-48.0	32.8	2.7	88.6	1.77	59.29
48.0-49.0	32.0	2.6	91.2	1.76	61.05
49.0-50.0	31.3	2.6	93.9	1.74	62.79
50.0-51.0	30.5	2.6	96.4	1.72	64.52
51.0-52.0	29.6	2.5	99.0	1.70	66.22
52.0-53.0	28.8	2.5	101.5	1.68	67.90
53.0-54.0	28.0	2.5	104.0	1.65	69.55
54.0-55.0	27.2	2.4	106.4	1.62	71.17
55.0-56.0	26.3	2.4	108.8	1.59	72.77
56.0-57.0	25.5	2.3	111.1	1.56	74.33
57.0-58.0	24.6	2.3	113.4	1.52	75.85
58.0-59.0	23.8	2.2	115.6	1.49	77.34
59.0-60.0	22.9	2.2	117.8	1.45	78.79
60.0-61.0	22.1	2.1	119.9	1.41	80.20
61.0-62.0	21.2	2.0	121.9	1.37	81.56
62.0-63.0	20.3	2.0	123.9	1.32	82.89
63.0-64.0	19.4	1.9	125.8	1.28	84.16
64.0-65.0	18.6	1.8	127.6	1.23	85.39
65.0-66.0	17.7	1.8	129.4	1.18	86.57
66.0-67.0	16.8	1.7	131.1	1.13	87.70
67.0-68.0	15.9	1.6	132.7	1.08	88.77
68.0-69.0	15.0	1.5	134.2	1.02	89.80
69.0-70.0	14.1	1.5	135.7	0.97	90.77
70.0-71.0	13.3	1.4	137.0	0.92	91.69
71.0-72.0	12.4	1.3	138.3	0.86	92.55

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	11.5	1.2	139.5	0.81	93.35
73.0-74.0	10.7	1.1	140.7	0.75	94.11
74.0-75.0	9.8	1.0	141.7	0.69	94.80
75.0-76.0	9.0	1.0	142.6	0.64	95.44
76.0-77.0	8.2	0.9	143.5	0.58	96.02
77.0-78.0	7.4	0.8	144.3	0.53	96.55
78.0-79.0	6.5	0.7	145.0	0.47	97.02
79.0-80.0	5.8	0.6	145.6	0.42	97.43
80.0-81.0	5.0	0.5	146.2	0.36	97.79
81.0-82.0	4.2	0.5	146.6	0.31	98.10
82.0-83.0	3.5	0.4	147.0	0.25	98.35
83.0-84.0	2.8	0.3	147.3	0.20	98.56
84.0-85.0	2.1	0.2	147.5	0.15	98.71
85.0-86.0	1.4	0.2	147.7	0.10	98.81
86.0-87.0	0.9	0.1	147.8	0.06	98.88
87.0-88.0	0.5	0.0	147.8	0.03	98.91
88.0-89.0	0.2	0.0	147.9	0.01	98.92
89.0-90.0	0.1	0.0	147.9	0.01	98.93
90.0-91.0	0.1	0.0	147.9	0.01	98.93
91.0-92.0	0.1	0.0	147.9	0.01	98.94
92.0-93.0	0.1	0.0	147.9	0.01	98.95
93.0-94.0	0.1	0.0	147.9	0.01	98.95
94.0-95.0	0.1	0.0	147.9	0.01	98.96
95.0-96.0	0.1	0.0	147.9	0.01	98.97
96.0-97.0	0.1	0.0	147.9	0.01	98.98
97.0-98.0	0.1	0.0	147.9	0.01	98.99
98.0-99.0	0.1	0.0	148.0	0.01	98.99
99.0-100.0	0.1	0.0	148.0	0.01	99.00
100.0-101.0	0.1	0.0	148.0	0.01	99.01
101.0-102.0	0.1	0.0	148.0	0.01	99.02
102.0-103.0	0.1	0.0	148.0	0.01	99.03
103.0-104.0	0.1	0.0	148.0	0.01	99.04
104.0-105.0	0.1	0.0	148.0	0.01	99.05
105.0-106.0	0.2	0.0	148.1	0.01	99.06
106.0-107.0	0.2	0.0	148.1	0.01	99.07
107.0-108.0	0.2	0.0	148.1	0.01	99.09

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	0.2	0.0	148.1	0.01	99.10
109.0-110.0	0.2	0.0	148.1	0.01	99.11
110.0-111.0	0.2	0.0	148.2	0.01	99.13
111.0-112.0	0.2	0.0	148.2	0.01	99.14
112.0-113.0	0.2	0.0	148.2	0.01	99.16
113.0-114.0	0.2	0.0	148.2	0.01	99.17
114.0-115.0	0.2	0.0	148.2	0.01	99.18
115.0-116.0	0.2	0.0	148.3	0.01	99.20
116.0-117.0	0.2	0.0	148.3	0.01	99.21
117.0-118.0	0.2	0.0	148.3	0.01	99.23
118.0-119.0	0.2	0.0	148.3	0.02	99.24
119.0-120.0	0.2	0.0	148.4	0.02	99.26
120.0-121.0	0.2	0.0	148.4	0.01	99.27
121.0-122.0	0.2	0.0	148.4	0.01	99.29
122.0-123.0	0.3	0.0	148.4	0.02	99.30
123.0-124.0	0.3	0.0	148.4	0.02	99.32
124.0-125.0	0.3	0.0	148.5	0.02	99.34
125.0-126.0	0.3	0.0	148.5	0.02	99.35
126.0-127.0	0.3	0.0	148.5	0.02	99.37
127.0-128.0	0.3	0.0	148.5	0.02	99.39
128.0-129.0	0.3	0.0	148.6	0.02	99.40
129.0-130.0	0.3	0.0	148.6	0.02	99.42
130.0-131.0	0.3	0.0	148.6	0.02	99.44
131.0-132.0	0.3	0.0	148.6	0.02	99.46
132.0-133.0	0.3	0.0	148.7	0.02	99.47
133.0-134.0	0.3	0.0	148.7	0.02	99.49
134.0-135.0	0.3	0.0	148.7	0.02	99.51
135.0-136.0	0.3	0.0	148.8	0.02	99.52
136.0-137.0	0.3	0.0	148.8	0.02	99.54
137.0-138.0	0.3	0.0	148.8	0.02	99.56
138.0-139.0	0.3	0.0	148.8	0.02	99.57
139.0-140.0	0.3	0.0	148.9	0.02	99.59
140.0-141.0	0.4	0.0	148.9	0.02	99.61
141.0-142.0	0.4	0.0	148.9	0.02	99.63
142.0-143.0	0.4	0.0	148.9	0.02	99.64
143.0-144.0	0.4	0.0	149.0	0.02	99.66

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	0.4	0.0	149.0	0.02	99.67
145.0-146.0	0.4	0.0	149.0	0.02	99.69
146.0-147.0	0.4	0.0	149.0	0.02	99.71
147.0-148.0	0.4	0.0	149.0	0.02	99.72
148.0-149.0	0.4	0.0	149.1	0.02	99.74
149.0-150.0	0.4	0.0	149.1	0.02	99.75
150.0-151.0	0.4	0.0	149.1	0.01	99.77
151.0-152.0	0.4	0.0	149.1	0.01	99.78
152.0-153.0	0.4	0.0	149.2	0.01	99.79
153.0-154.0	0.4	0.0	149.2	0.01	99.81
154.0-155.0	0.4	0.0	149.2	0.01	99.82
155.0-156.0	0.4	0.0	149.2	0.01	99.84
156.0-157.0	0.4	0.0	149.2	0.01	99.85
157.0-158.0	0.5	0.0	149.3	0.01	99.86
158.0-159.0	0.5	0.0	149.3	0.01	99.87
159.0-160.0	0.4	0.0	149.3	0.01	99.88
160.0-161.0	0.5	0.0	149.3	0.01	99.90
161.0-162.0	0.4	0.0	149.3	0.01	99.91
162.0-163.0	0.4	0.0	149.3	0.01	99.92
163.0-164.0	0.5	0.0	149.4	0.01	99.92
164.0-165.0	0.5	0.0	149.4	0.01	99.93
165.0-166.0	0.5	0.0	149.4	0.01	99.94
166.0-167.0	0.5	0.0	149.4	0.01	99.95
167.0-168.0	0.5	0.0	149.4	0.01	99.96
168.0-169.0	0.5	0.0	149.4	0.01	99.96
169.0-170.0	0.5	0.0	149.4	0.01	99.97
170.0-171.0	0.5	0.0	149.4	0.01	99.98
171.0-172.0	0.5	0.0	149.4	0.01	99.98
172.0-173.0	0.5	0.0	149.4	0.00	99.99
173.0-174.0	0.5	0.0	149.4	0.00	99.99
174.0-175.0	0.5	0.0	149.5	0.00	99.99
175.0-176.0	0.5	0.0	149.5	0.00	100.00
176.0-177.0	0.5	0.0	149.5	0.00	100.00
177.0-178.0	0.5	0.0	149.5	0.00	100.00
178.0-179.0	0.5	0.0	149.5	0.00	100.00
179.0-180.0	0.5	0.0	149.5	0.00	100.00

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

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