

Report No.:

Test Time: 2022/11/25 12:03

Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Neon Apex

Luminaire Description: Neon Apex RGBW30-Green only

Lamp Catalog: NLA4.5RGB30-Green only

Luminous Length (mm): 1000

Luminous Height (mm): 17

Current: 0.131 A

Power Factor: 1.000

Number of Lamps: 1

Luminous Width (mm): 16

Voltage: 24.0 V

Power: 3.15 W

Photometric Results

CIE Class: Direct

Measurement Flux: 126.7 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H165.4,H111.9

Vertical Diffuse Angle(10%,50%): V166.1,V112.1

Luminaire Efficacy Rating (LER): 40

Max. Intensity: 42.96 cd

Total Rated Lamp Lumens: 126.7 lm

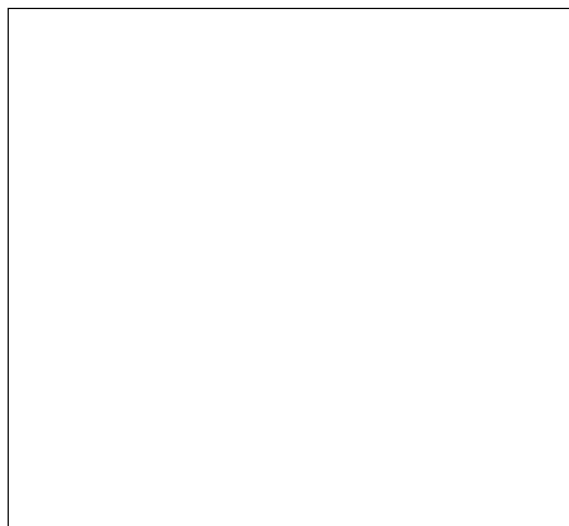
Efficiency: 100%

Upward Ratio: 2%

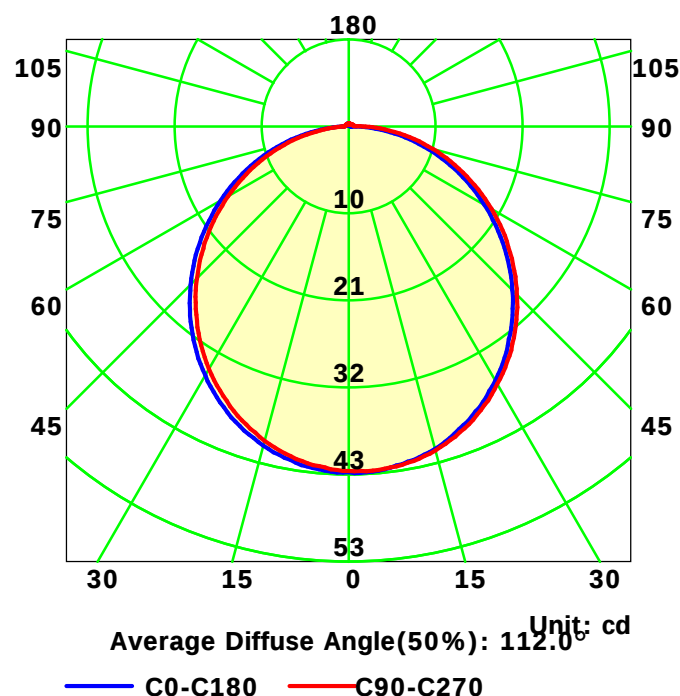
Central Intensity: 42.85 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

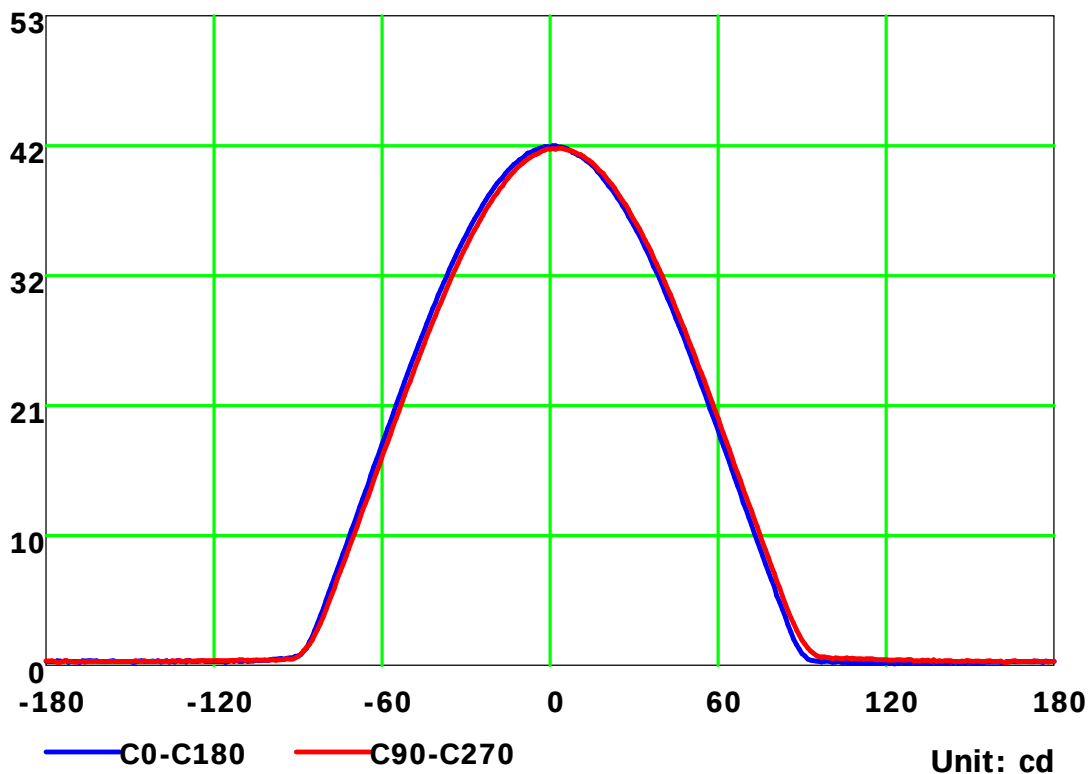
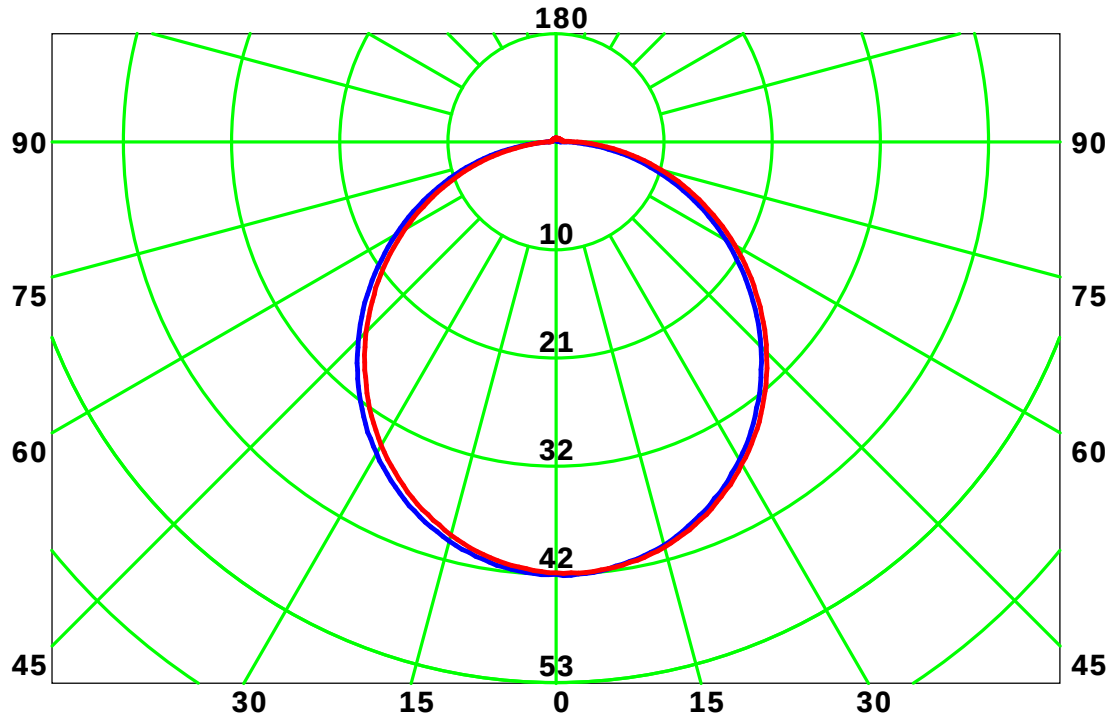
Distance: 9.028 m

Humidity: 60%

Inspector:



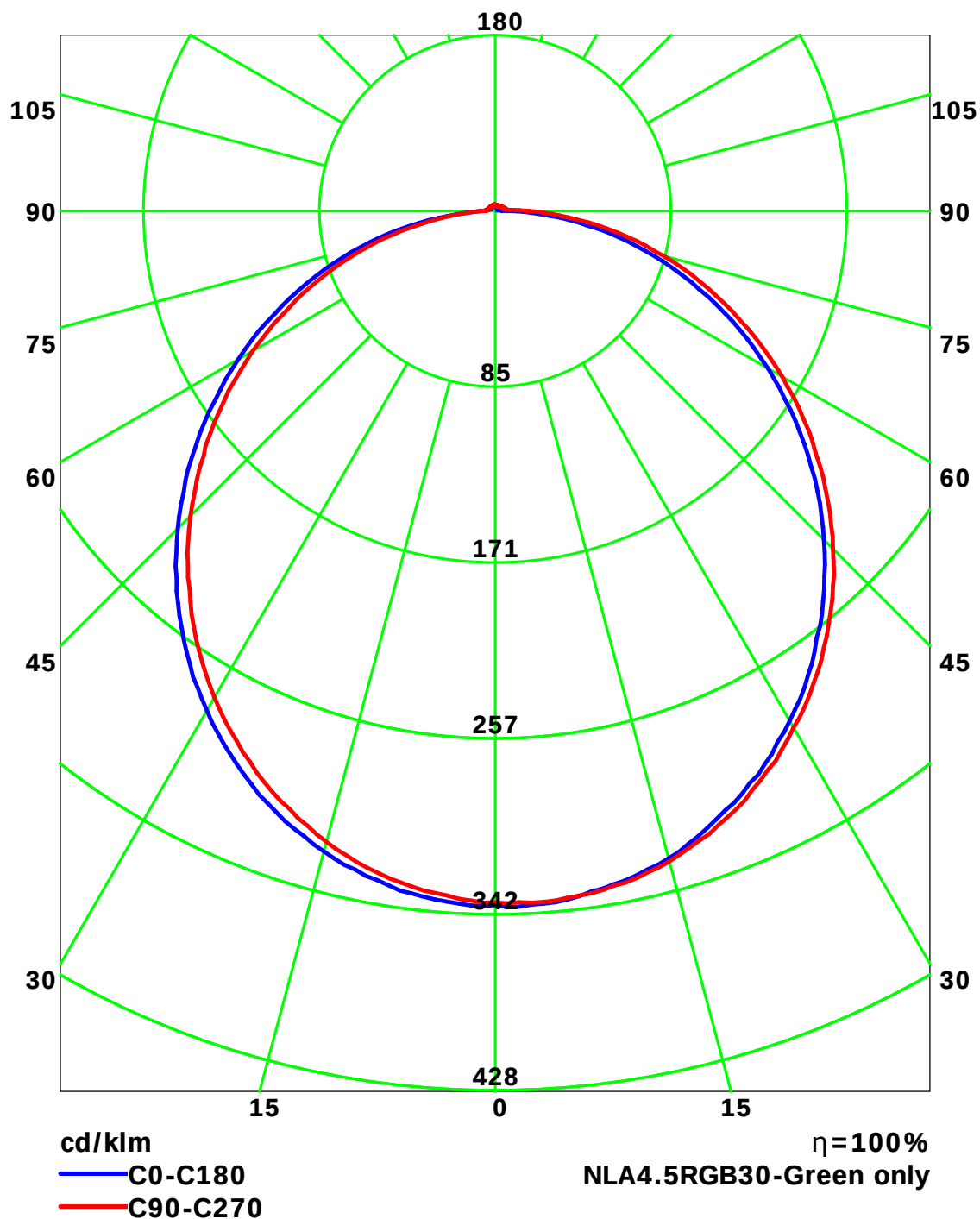
Luminous Intensity Distribution Curve



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

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

Luminous Intensity Distribution Curve(cd / klm)



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

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

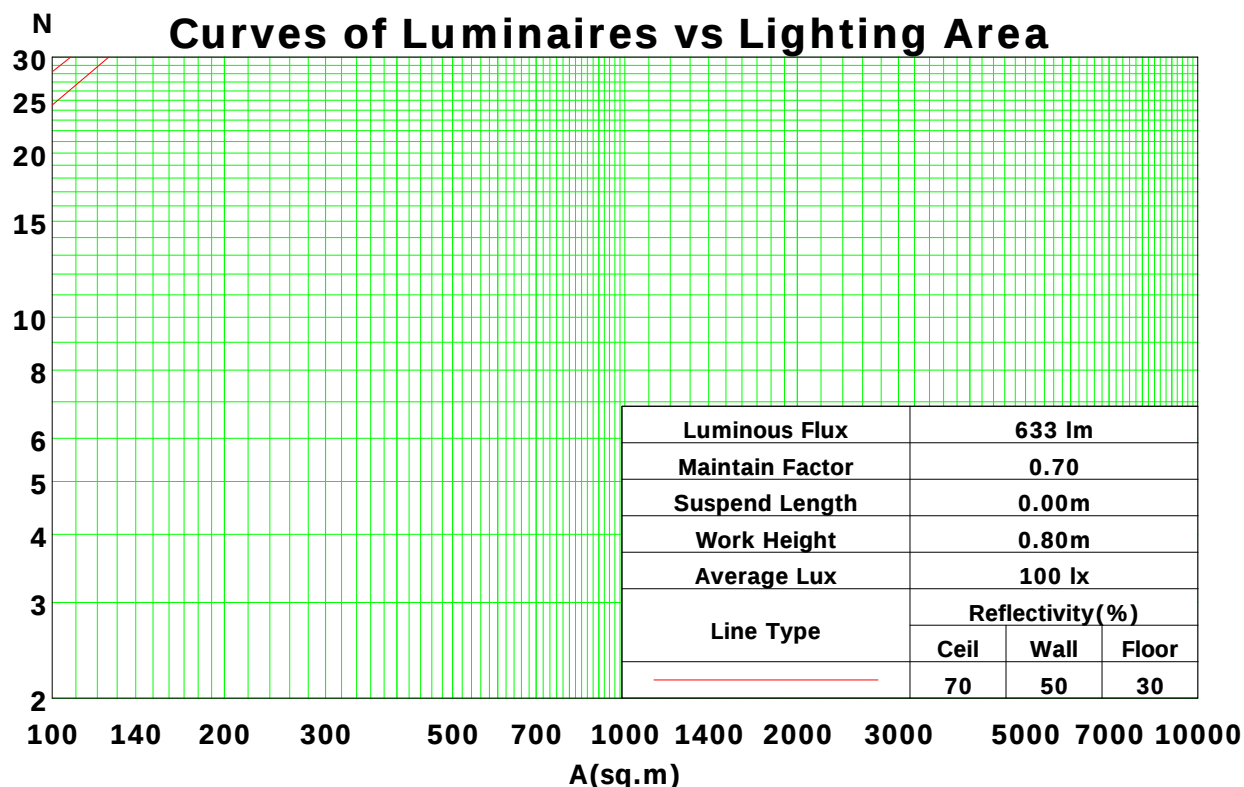
Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	72	69	67
3	89	78	70	63	86	76	69	62	73	66	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	54	50	48
5	75	62	53	46	72	60	52	45	58	51	45	56	49	44	54	48	43	41
6	69	56	46	40	67	54	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.36



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

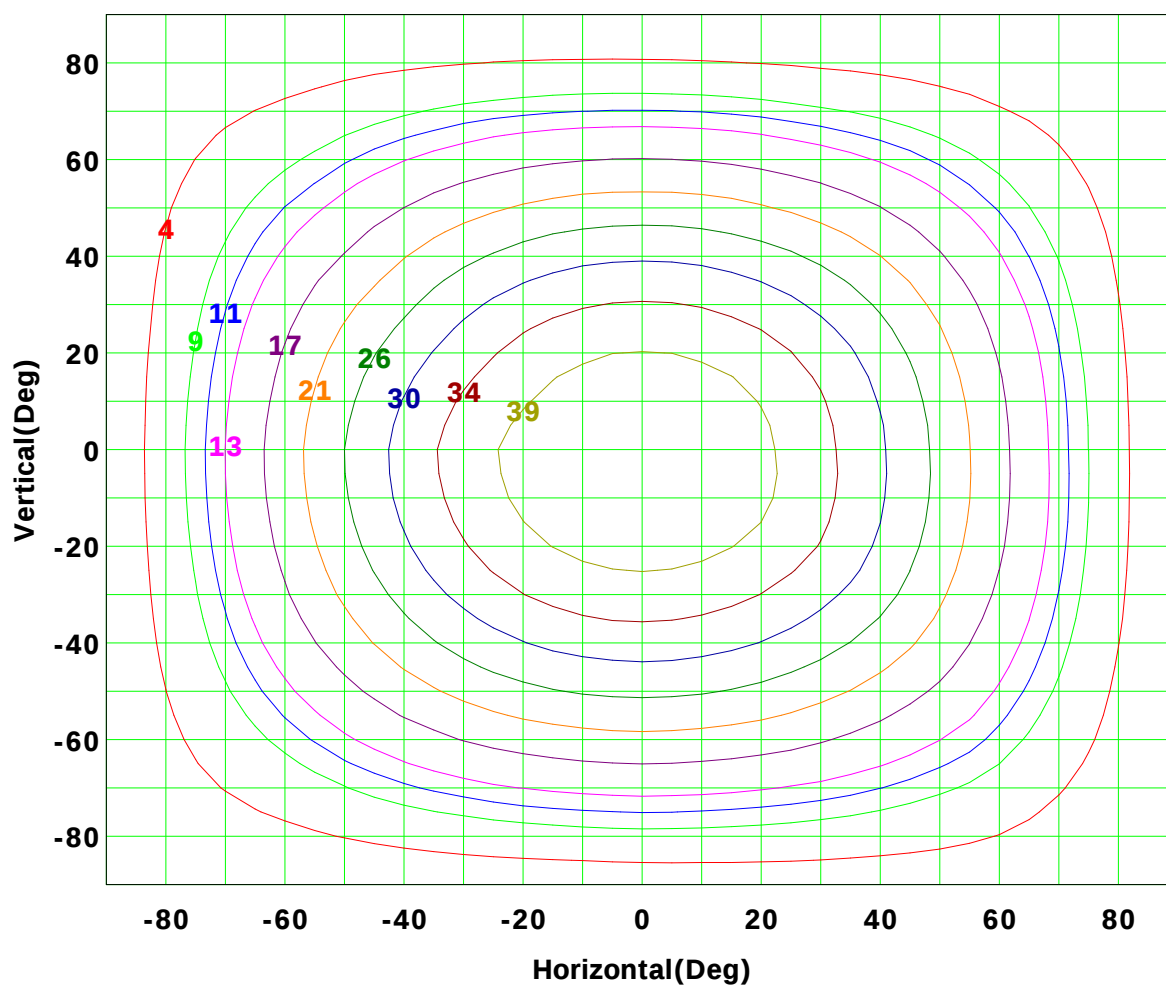
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



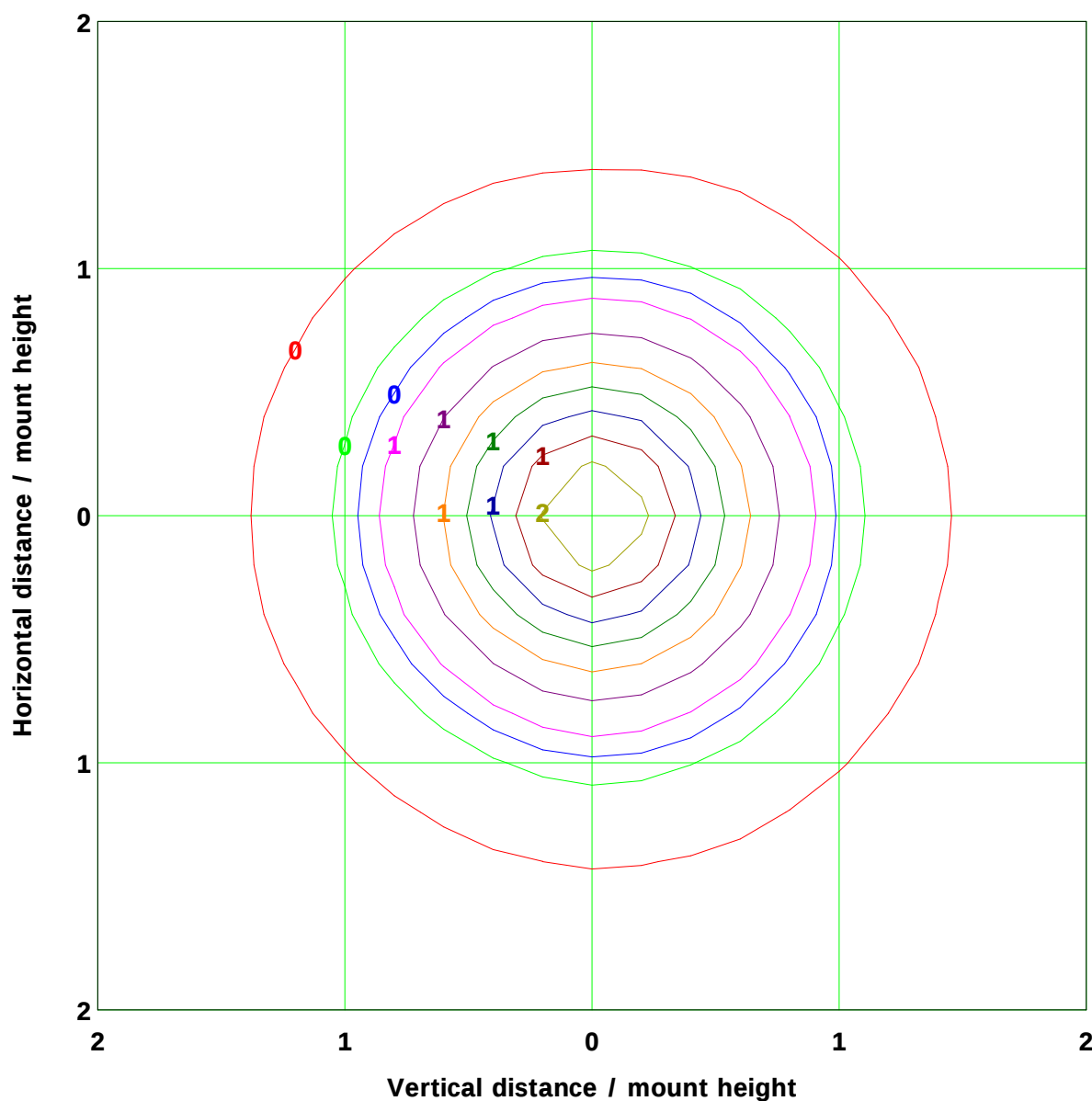
I_{max} (100%): 43 cd

(10%):	4 cd	(20%):	9 cd
(25%):	11 cd	(30%):	13 cd
(40%):	17 cd	(50%):	21 cd
(60%):	26 cd	(70%):	30 cd
(80%):	34 cd	(90%):	39 cd

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

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%): 1.7 lx

(10%): 0.2 lx	(20%): 0.3 lx
(25%): 0.4 lx	(30%): 0.5 lx
(40%): 0.7 lx	(50%): 0.9 lx
(60%): 1.0 lx	(70%): 1.2 lx
(80%): 1.4 lx	(90%): 1.5 lx

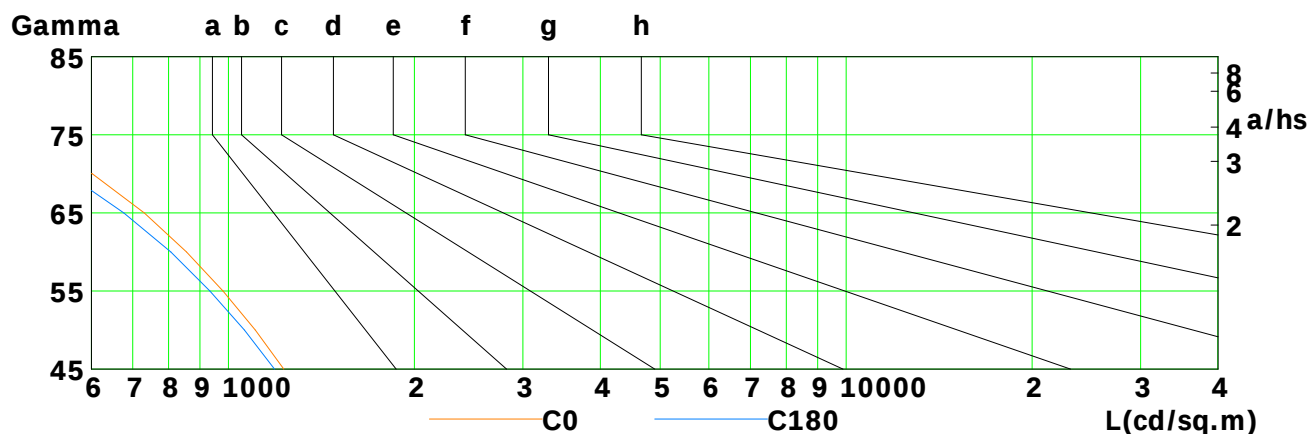
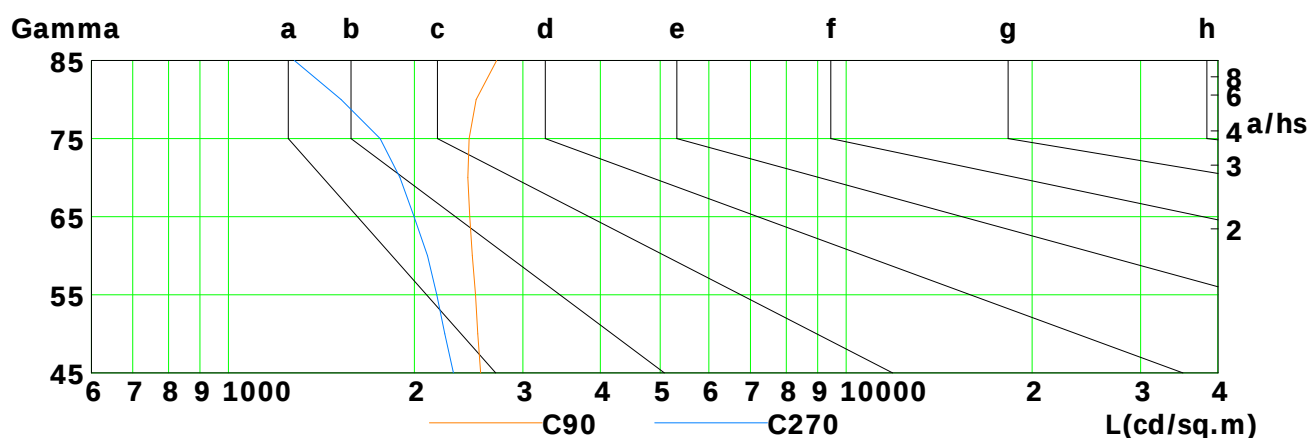
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

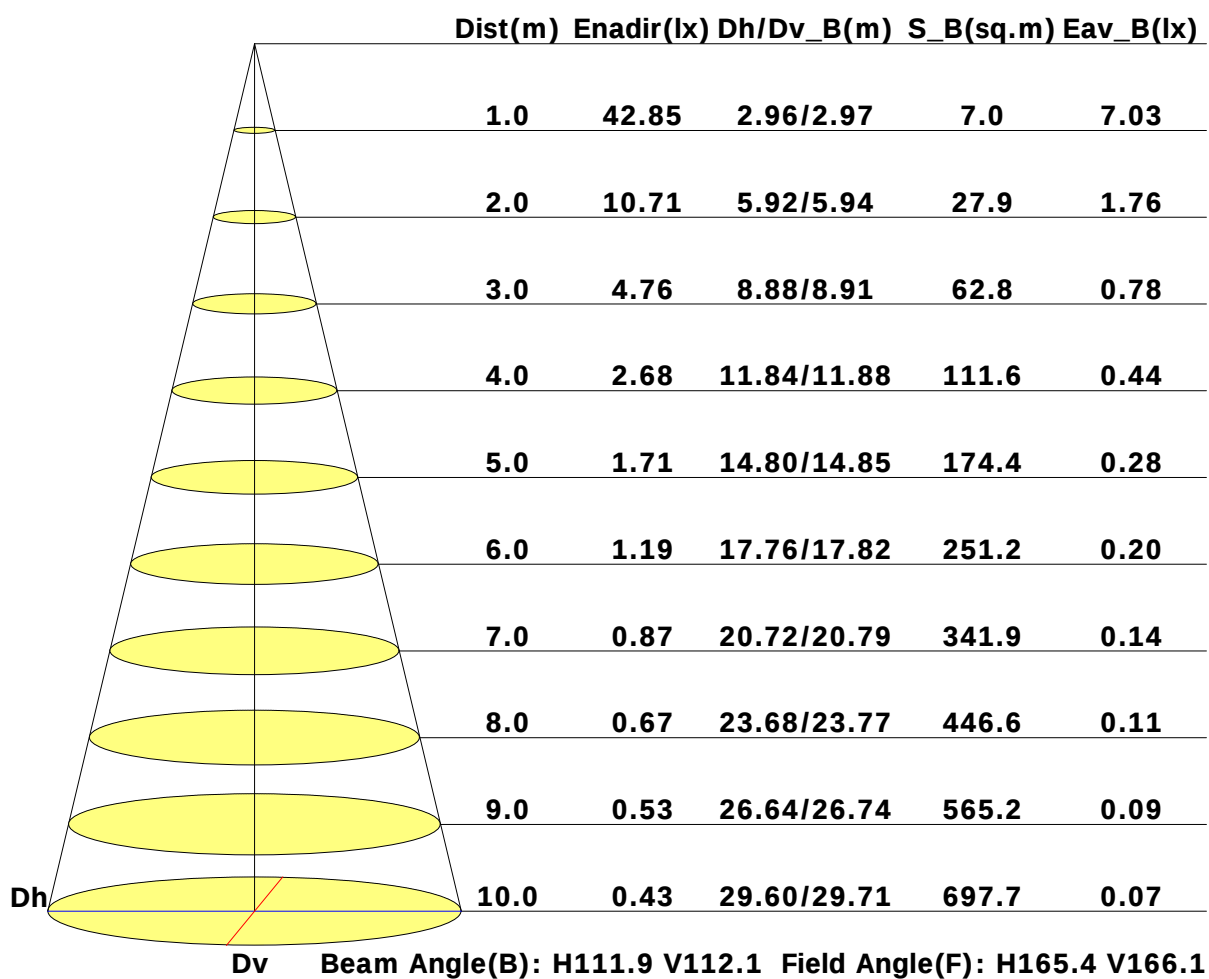


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1230	1106	980	856	731	602	471	337	184
C90	2562	2535	2514	2483	2458	2442	2455	2518	2720
C180	1188	1062	933	807	678	550	418	278	130
C270	2314	2241	2174	2101	1998	1896	1762	1523	1279

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

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

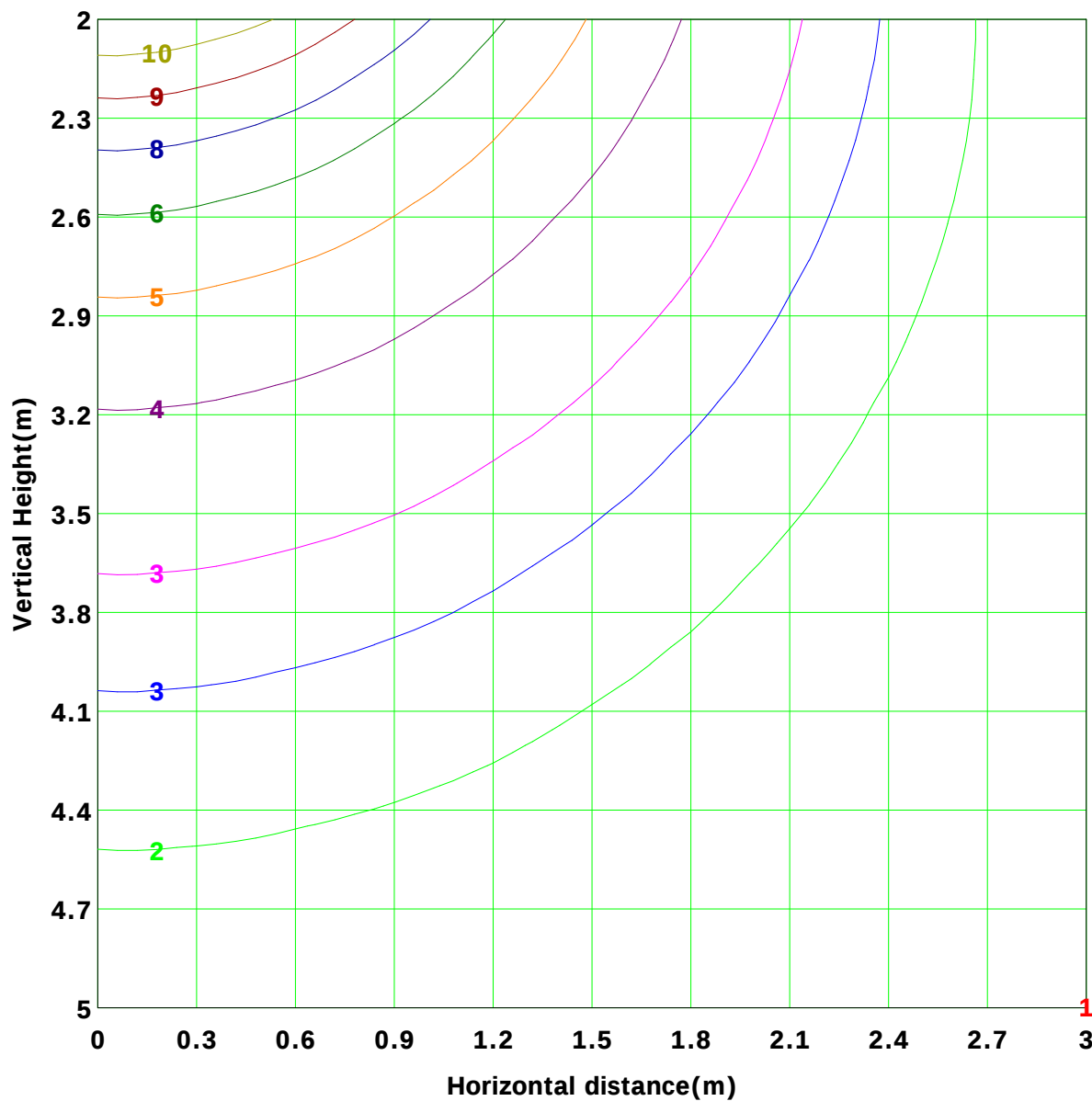
Illuminance at a Distance



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

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: 10.7 lx
(10%): 1.1 lx	(20%): 2.1 lx	
(25%): 2.7 lx	(30%): 3.2 lx	
(40%): 4.3 lx	(50%): 5.4 lx	
(60%): 6.4 lx	(70%): 7.5 lx	
(80%): 8.6 lx	(90%): 9.7 lx	

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

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

Area Flux Table

Unit: lm

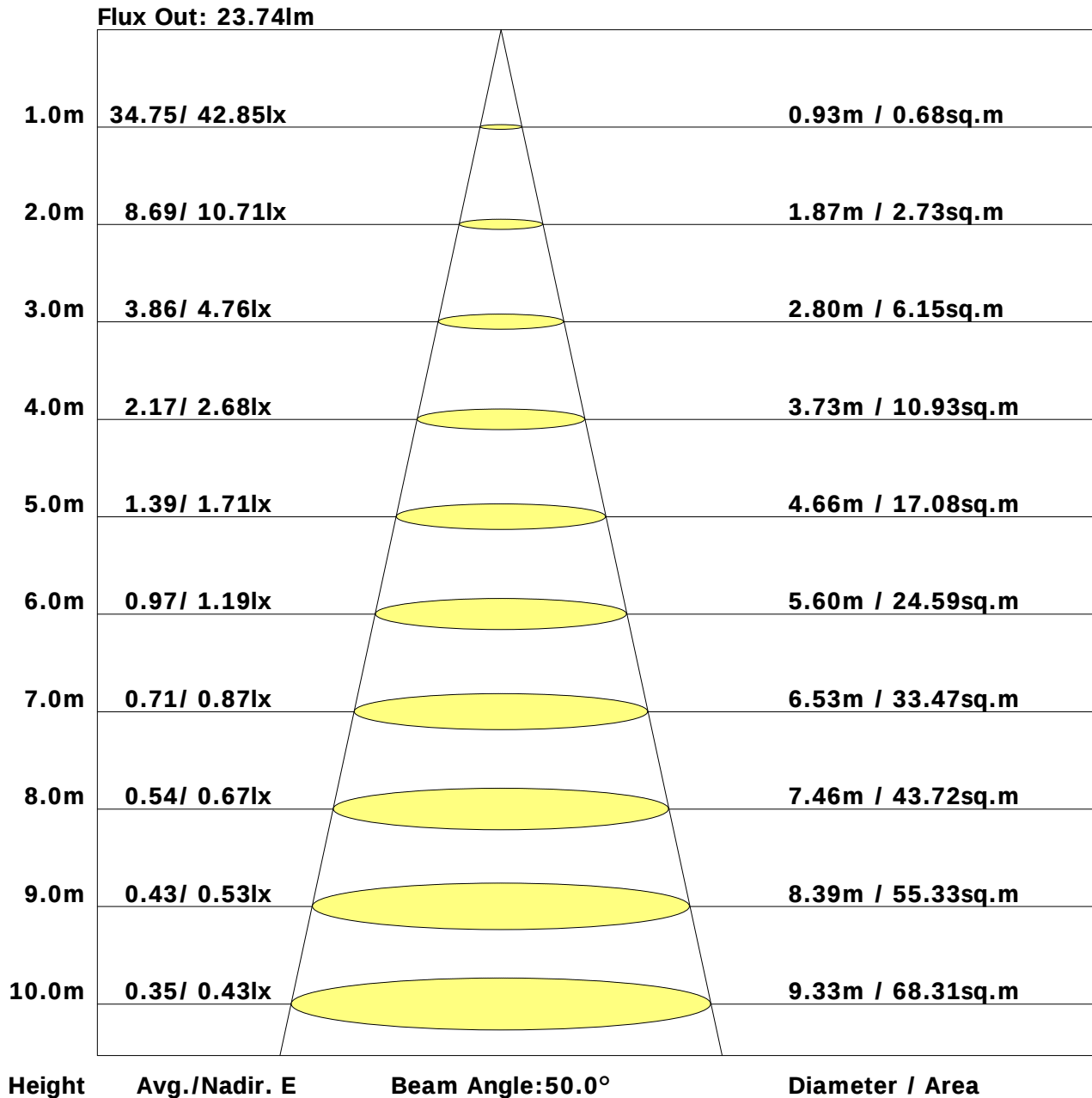
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7
		0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	2.2	2.1
		0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	4.3	4.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.1	6.7	6.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	9.2	9.1
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	11.4	11.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.5	13.1	13.0
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.1	1.1	1.0	0.9	0.8	0.7	14.0	13.9
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.2	1.1	1.0	0.9	13.1	13.0
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	11.4	11.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	9.2	9.1
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	6.7	6.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	4.3	4.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	2.3	2.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	0.9	0.8
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	0.1	0.1
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	1.3	1.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	2.9	2.8
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	4.7	4.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	6.3	6.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	9.2	9.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	10.3	10.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	11.0	11.0
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	11.3	11.3
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	11.2	11.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	10.6	10.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	9.7	9.7
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	8.5	8.5
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	7.1	7.0
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	5.4	5.4
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	3.8	3.7
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	2.1	1.8
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.8	0.6	0.0

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

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



The Average Illuminance Effective Figure



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

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	20.7	22.3	21.1	22.6	23.0	19.4	21.0	19.7	21.3	21.7
3H	22.7	24.1	23.1	24.5	24.9	20.9	22.4	21.3	22.7	23.2
4H	23.5	24.8	23.9	25.2	25.7	21.5	22.9	21.9	23.3	23.7
6H	24.1	25.4	24.6	25.8	26.3	21.9	23.2	22.4	23.6	24.0
8H	24.4	25.6	24.8	26.0	26.5	22.0	23.3	22.5	23.7	24.1
12H	24.6	25.8	25.1	26.2	26.7	22.1	23.3	22.6	23.7	24.2
X=4H Y=2H	21.0	22.4	21.4	22.8	23.2	20.0	21.4	20.5	21.8	22.2
3H	23.1	24.3	23.6	24.7	25.2	21.8	23.0	22.2	23.4	23.8
4H	24.0	25.1	24.5	25.5	26.0	22.5	23.5	22.9	24.0	24.5
6H	24.8	25.7	25.3	26.2	26.7	23.0	23.9	23.5	24.4	24.9
8H	25.1	26.0	25.6	26.4	27.0	23.2	24.1	23.7	24.5	25.0
12H	25.3	26.1	25.9	26.6	27.2	23.3	24.1	23.8	24.6	25.1
X=8H Y=4H	24.1	25.0	24.6	25.5	26.0	22.8	23.7	23.3	24.2	24.7
6H	25.0	25.7	25.5	26.2	26.7	23.4	24.2	24.0	24.7	25.2
8H	25.3	26.0	25.9	26.5	27.0	23.7	24.3	24.2	24.9	25.4
12H	25.6	26.2	26.2	26.7	27.3	23.9	24.5	24.4	25.0	25.6
X=12H Y=4H	24.1	24.9	24.7	25.4	26.0	22.9	23.6	23.4	24.2	24.7
6H	25.0	25.6	25.5	26.1	26.7	23.5	24.2	24.1	24.7	25.3
8H	25.4	25.9	25.9	26.5	27.1	23.8	24.4	24.4	24.9	25.5

Calculate in accordance with CIE 190:2010

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

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	0.55	0.65	0.73	0.78	0.85	0.91	0.94	0.99	1.02
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.94	0.98
	0.20		0.41	0.52	0.59	0.65	0.74	0.80	0.84	0.91	0.95
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.82	0.87	0.90	0.94	0.97
	0.30		0.46	0.56	0.63	0.69	0.76	0.82	0.86	0.91	0.94
	0.20		0.41	0.51	0.58	0.64	0.72	0.78	0.82	0.88	0.91
0.30	0.50	0.20	0.52	0.61	0.67	0.72	0.79	0.83	0.86	0.90	0.93
	0.30		0.45	0.55	0.62	0.67	0.74	0.79	0.83	0.87	0.90
	0.20		0.41	0.50	0.57	0.63	0.70	0.76	0.79	0.85	0.88
0.00	0.00	0.00	0.38	0.47	0.54	0.59	0.66	0.71	0.75	0.80	0.83
Rating:3W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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	1.01	0.84	0.72	0.63	0.50	0.42	0.36	0.28	0.23	
	0.30		0.84	0.72	0.63	0.56	0.46	0.39	0.33	0.26	0.22	
	0.20		0.72	0.63	0.55	0.50	0.42	0.36	0.31	0.25	0.21	
0.50	0.50	0.20	0.97	0.80	0.69	0.60	0.48	0.43	0.34	0.27	0.22	
	0.30		0.82	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.94	0.77	0.66	0.57	0.46	0.38	0.33	0.25	0.21	
	0.30		0.80	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.48	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.60	0.51	0.44	0.39	0.32	0.27	0.23	0.18	0.15	
Rating:3W 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: Jacky

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	0.18	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.19	
0.50	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.18	0.20	0.20	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16	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:3W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	42.8	0.0	0.0	0.03	0.03
1.0-2.0	42.8	0.1	0.2	0.10	0.13
2.0-3.0	42.7	0.2	0.4	0.16	0.29
3.0-4.0	42.7	0.3	0.7	0.23	0.52
4.0-5.0	42.6	0.4	1.0	0.29	0.81
5.0-6.0	42.5	0.4	1.5	0.35	1.16
6.0-7.0	42.4	0.5	2.0	0.42	1.57
7.0-8.0	42.3	0.6	2.6	0.48	2.05
8.0-9.0	42.2	0.7	3.3	0.54	2.59
9.0-10.0	42.1	0.8	4.0	0.60	3.19
10.0-11.0	41.9	0.8	4.9	0.66	3.85
11.0-12.0	41.7	0.9	5.8	0.72	4.57
12.0-13.0	41.5	1.0	6.8	0.78	5.35
13.0-14.0	41.3	1.1	7.8	0.83	6.19
14.0-15.0	41.1	1.1	9.0	0.89	7.08
15.0-16.0	40.9	1.2	10.2	0.95	8.02
16.0-17.0	40.6	1.3	11.4	1.00	9.02
17.0-18.0	40.3	1.3	12.8	1.05	10.07
18.0-19.0	40.1	1.4	14.2	1.10	11.17
19.0-20.0	39.8	1.5	15.6	1.15	12.32
20.0-21.0	39.5	1.5	17.1	1.20	13.52
21.0-22.0	39.1	1.6	18.7	1.24	14.76
22.0-23.0	38.8	1.6	20.3	1.28	16.04
23.0-24.0	38.4	1.7	22.0	1.33	17.37
24.0-25.0	38.1	1.7	23.7	1.37	18.74
25.0-26.0	37.7	1.8	25.5	1.40	20.14
26.0-27.0	37.3	1.8	27.3	1.44	21.58
27.0-28.0	36.9	1.9	29.2	1.47	23.06
28.0-29.0	36.5	1.9	31.1	1.51	24.56
29.0-30.0	36.1	1.9	33.1	1.54	26.10
30.0-31.0	35.6	2.0	35.1	1.56	27.66
31.0-32.0	35.2	2.0	37.1	1.59	29.25
32.0-33.0	34.7	2.0	39.1	1.62	30.87
33.0-34.0	34.2	2.1	41.2	1.64	32.51
34.0-35.0	33.8	2.1	43.3	1.65	34.16
35.0-36.0	33.3	2.1	45.4	1.67	35.83

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

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

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	32.8	2.1	47.5	1.69	37.52
37.0-38.0	32.2	2.2	49.7	1.70	39.22
38.0-39.0	31.7	2.2	51.9	1.71	40.93
39.0-40.0	31.2	2.2	54.0	1.72	42.64
40.0-41.0	30.6	2.2	56.2	1.72	44.37
41.0-42.0	30.1	2.2	58.4	1.73	46.09
42.0-43.0	29.5	2.2	60.6	1.73	47.82
43.0-44.0	29.0	2.2	62.8	1.73	49.55
44.0-45.0	28.4	2.2	65.0	1.72	51.27
45.0-46.0	27.8	2.2	67.1	1.72	52.98
46.0-47.0	27.2	2.2	69.3	1.71	54.69
47.0-48.0	26.6	2.2	71.5	1.70	56.39
48.0-49.0	26.0	2.1	73.6	1.69	58.08
49.0-50.0	25.4	2.1	75.7	1.67	59.76
50.0-51.0	24.8	2.1	77.8	1.66	61.41
51.0-52.0	24.2	2.1	79.9	1.64	63.05
52.0-53.0	23.6	2.1	81.9	1.62	64.67
53.0-54.0	23.0	2.0	84.0	1.60	66.27
54.0-55.0	22.3	2.0	86.0	1.57	67.84
55.0-56.0	21.7	2.0	87.9	1.55	69.39
56.0-57.0	21.1	1.9	89.9	1.52	70.91
57.0-58.0	20.4	1.9	91.7	1.49	72.40
58.0-59.0	19.8	1.9	93.6	1.46	73.86
59.0-60.0	19.2	1.8	95.4	1.43	75.29
60.0-61.0	18.5	1.8	97.2	1.39	76.69
61.0-62.0	17.9	1.7	98.9	1.36	78.05
62.0-63.0	17.2	1.7	100.6	1.32	79.37
63.0-64.0	16.6	1.6	102.2	1.28	80.65
64.0-65.0	15.9	1.6	103.8	1.24	81.89
65.0-66.0	15.3	1.5	105.3	1.20	83.10
66.0-67.0	14.6	1.5	106.8	1.16	84.26
67.0-68.0	14.0	1.4	108.2	1.12	85.37
68.0-69.0	13.3	1.4	109.5	1.07	86.45
69.0-70.0	12.7	1.3	110.8	1.03	87.47
70.0-71.0	12.0	1.2	112.1	0.98	88.46
71.0-72.0	11.4	1.2	113.3	0.94	89.39

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

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

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	10.8	1.1	114.4	0.89	90.28
73.0-74.0	10.1	1.1	115.5	0.84	91.12
74.0-75.0	9.5	1.0	116.5	0.79	91.91
75.0-76.0	8.8	0.9	117.4	0.74	92.65
76.0-77.0	8.2	0.9	118.3	0.69	93.34
77.0-78.0	7.6	0.8	119.1	0.64	93.98
78.0-79.0	7.0	0.7	119.8	0.59	94.57
79.0-80.0	6.3	0.7	120.5	0.54	95.11
80.0-81.0	5.7	0.6	121.1	0.49	95.60
81.0-82.0	5.1	0.6	121.7	0.43	96.03
82.0-83.0	4.5	0.5	122.2	0.38	96.42
83.0-84.0	3.9	0.4	122.6	0.34	96.75
84.0-85.0	3.3	0.4	123.0	0.29	97.04
85.0-86.0	2.8	0.3	123.3	0.24	97.28
86.0-87.0	2.3	0.3	123.5	0.20	97.49
87.0-88.0	1.9	0.2	123.7	0.17	97.65
88.0-89.0	1.6	0.2	123.9	0.14	97.79
89.0-90.0	1.3	0.1	124.0	0.11	97.90
90.0-91.0	1.0	0.1	124.2	0.09	97.99
91.0-92.0	0.9	0.1	124.3	0.08	98.06
92.0-93.0	0.7	0.1	124.3	0.06	98.13
93.0-94.0	0.7	0.1	124.4	0.06	98.19
94.0-95.0	0.6	0.1	124.5	0.05	98.24
95.0-96.0	0.6	0.1	124.5	0.05	98.29
96.0-97.0	0.5	0.1	124.6	0.05	98.33
97.0-98.0	0.5	0.1	124.7	0.04	98.38
98.0-99.0	0.5	0.1	124.7	0.04	98.42
99.0-100.0	0.5	0.1	124.8	0.04	98.46
100.0-101.0	0.5	0.0	124.8	0.04	98.50
101.0-102.0	0.5	0.0	124.9	0.04	98.54
102.0-103.0	0.4	0.0	124.9	0.04	98.58
103.0-104.0	0.4	0.0	125.0	0.04	98.61
104.0-105.0	0.4	0.0	125.0	0.04	98.65
105.0-106.0	0.4	0.0	125.0	0.04	98.68
106.0-107.0	0.4	0.0	125.1	0.03	98.72
107.0-108.0	0.4	0.0	125.1	0.03	98.75

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

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

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.4	0.0	125.2	0.03	98.78
109.0-110.0	0.4	0.0	125.2	0.03	98.82
110.0-111.0	0.4	0.0	125.2	0.03	98.85
111.0-112.0	0.4	0.0	125.3	0.03	98.88
112.0-113.0	0.4	0.0	125.3	0.03	98.91
113.0-114.0	0.4	0.0	125.4	0.03	98.94
114.0-115.0	0.4	0.0	125.4	0.03	98.97
115.0-116.0	0.4	0.0	125.4	0.03	99.00
116.0-117.0	0.4	0.0	125.5	0.03	99.03
117.0-118.0	0.4	0.0	125.5	0.03	99.06
118.0-119.0	0.4	0.0	125.6	0.03	99.09
119.0-120.0	0.4	0.0	125.6	0.03	99.11
120.0-121.0	0.4	0.0	125.6	0.03	99.14
121.0-122.0	0.4	0.0	125.7	0.03	99.17
122.0-123.0	0.4	0.0	125.7	0.03	99.20
123.0-124.0	0.4	0.0	125.7	0.03	99.22
124.0-125.0	0.4	0.0	125.8	0.03	99.25
125.0-126.0	0.4	0.0	125.8	0.03	99.27
126.0-127.0	0.4	0.0	125.8	0.03	99.30
127.0-128.0	0.4	0.0	125.9	0.02	99.32
128.0-129.0	0.4	0.0	125.9	0.02	99.35
129.0-130.0	0.4	0.0	125.9	0.02	99.37
130.0-131.0	0.4	0.0	125.9	0.02	99.40
131.0-132.0	0.3	0.0	126.0	0.02	99.42
132.0-133.0	0.4	0.0	126.0	0.02	99.44
133.0-134.0	0.4	0.0	126.0	0.02	99.47
134.0-135.0	0.4	0.0	126.1	0.02	99.49
135.0-136.0	0.4	0.0	126.1	0.02	99.51
136.0-137.0	0.4	0.0	126.1	0.02	99.53
137.0-138.0	0.4	0.0	126.1	0.02	99.55
138.0-139.0	0.3	0.0	126.2	0.02	99.57
139.0-140.0	0.3	0.0	126.2	0.02	99.59
140.0-141.0	0.4	0.0	126.2	0.02	99.61
141.0-142.0	0.4	0.0	126.2	0.02	99.63
142.0-143.0	0.4	0.0	126.3	0.02	99.65
143.0-144.0	0.4	0.0	126.3	0.02	99.67

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

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

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.4	0.0	126.3	0.02	99.69
145.0-146.0	0.4	0.0	126.3	0.02	99.70
146.0-147.0	0.4	0.0	126.4	0.02	99.72
147.0-148.0	0.3	0.0	126.4	0.02	99.74
148.0-149.0	0.3	0.0	126.4	0.02	99.75
149.0-150.0	0.4	0.0	126.4	0.02	99.77
150.0-151.0	0.4	0.0	126.4	0.01	99.78
151.0-152.0	0.3	0.0	126.5	0.01	99.80
152.0-153.0	0.3	0.0	126.5	0.01	99.81
153.0-154.0	0.3	0.0	126.5	0.01	99.82
154.0-155.0	0.3	0.0	126.5	0.01	99.84
155.0-156.0	0.3	0.0	126.5	0.01	99.85
156.0-157.0	0.4	0.0	126.5	0.01	99.86
157.0-158.0	0.4	0.0	126.5	0.01	99.87
158.0-159.0	0.3	0.0	126.6	0.01	99.88
159.0-160.0	0.4	0.0	126.6	0.01	99.89
160.0-161.0	0.4	0.0	126.6	0.01	99.91
161.0-162.0	0.3	0.0	126.6	0.01	99.91
162.0-163.0	0.3	0.0	126.6	0.01	99.92
163.0-164.0	0.3	0.0	126.6	0.01	99.93
164.0-165.0	0.4	0.0	126.6	0.01	99.94
165.0-166.0	0.4	0.0	126.6	0.01	99.95
166.0-167.0	0.4	0.0	126.7	0.01	99.96
167.0-168.0	0.4	0.0	126.7	0.01	99.96
168.0-169.0	0.3	0.0	126.7	0.01	99.97
169.0-170.0	0.4	0.0	126.7	0.01	99.97
170.0-171.0	0.4	0.0	126.7	0.01	99.98
171.0-172.0	0.3	0.0	126.7	0.00	99.98
172.0-173.0	0.4	0.0	126.7	0.00	99.99
173.0-174.0	0.4	0.0	126.7	0.00	99.99
174.0-175.0	0.4	0.0	126.7	0.00	99.99
175.0-176.0	0.4	0.0	126.7	0.00	100.00
176.0-177.0	0.4	0.0	126.7	0.00	100.00
177.0-178.0	0.4	0.0	126.7	0.00	100.00
178.0-179.0	0.3	0.0	126.7	0.00	100.00
179.0-180.0	0.4	0.0	126.7	0.00	100.00

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

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