

Report No.:

Test Time: 2023-06-30 09:37

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ACL12-25W2TEM

Luminous Length (mm): 300

Voltage: 230.7 V

Power: 12.99 W

Lamp Catalog: 3000K

Luminous Width (mm): 300

Current: 0.063 A

Power Factor: 0.890

Photometric Results

CIE Class: Direct

Measurement Flux: 1190.8 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 167.5, 162.4, 165.0, 165.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.9, 108.7, 110.4, 110.4

Luminaire Efficacy Rating (LER): 91.72

Max. Intensity: 420.31 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 1190.8 lm

Efficiency: 100%

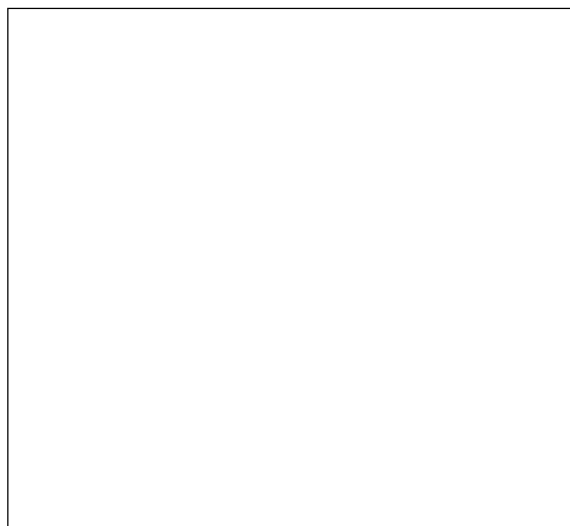
Upward Ratio: 0%

Central Intensity: 419.15 cd

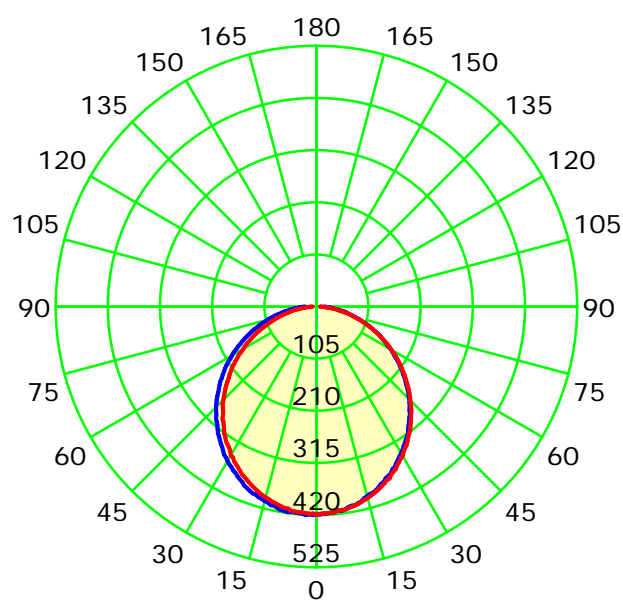
Pos of Max. Intensity: H180 V3

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature: 25°C

Operator: XU

Gamma Plane (°):0.0-90.0: 1.0

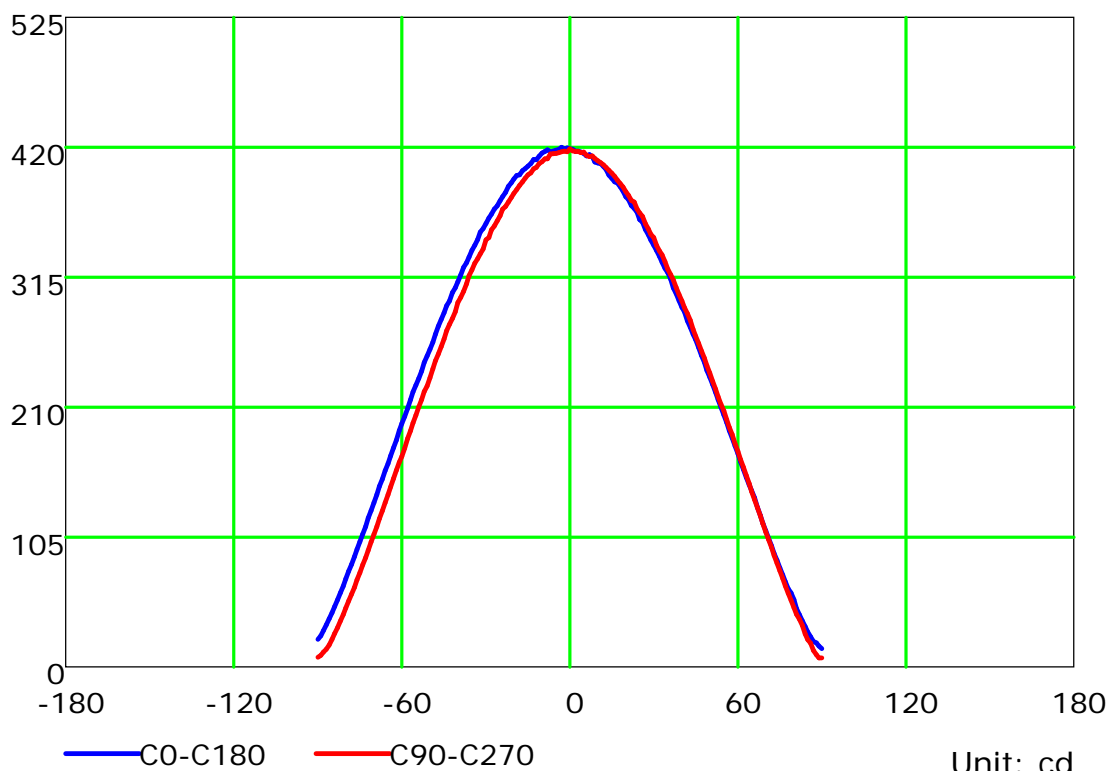
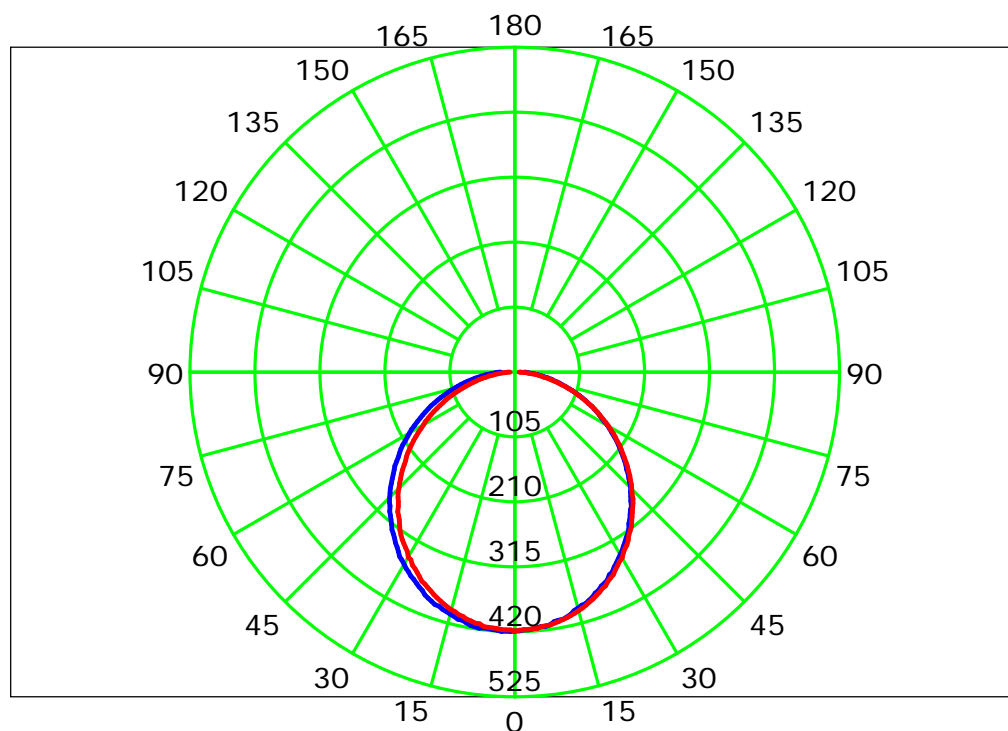
Test Device: GPM-1600

Distance: 8.350 m

Humidity: 50%

Inspector:

Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

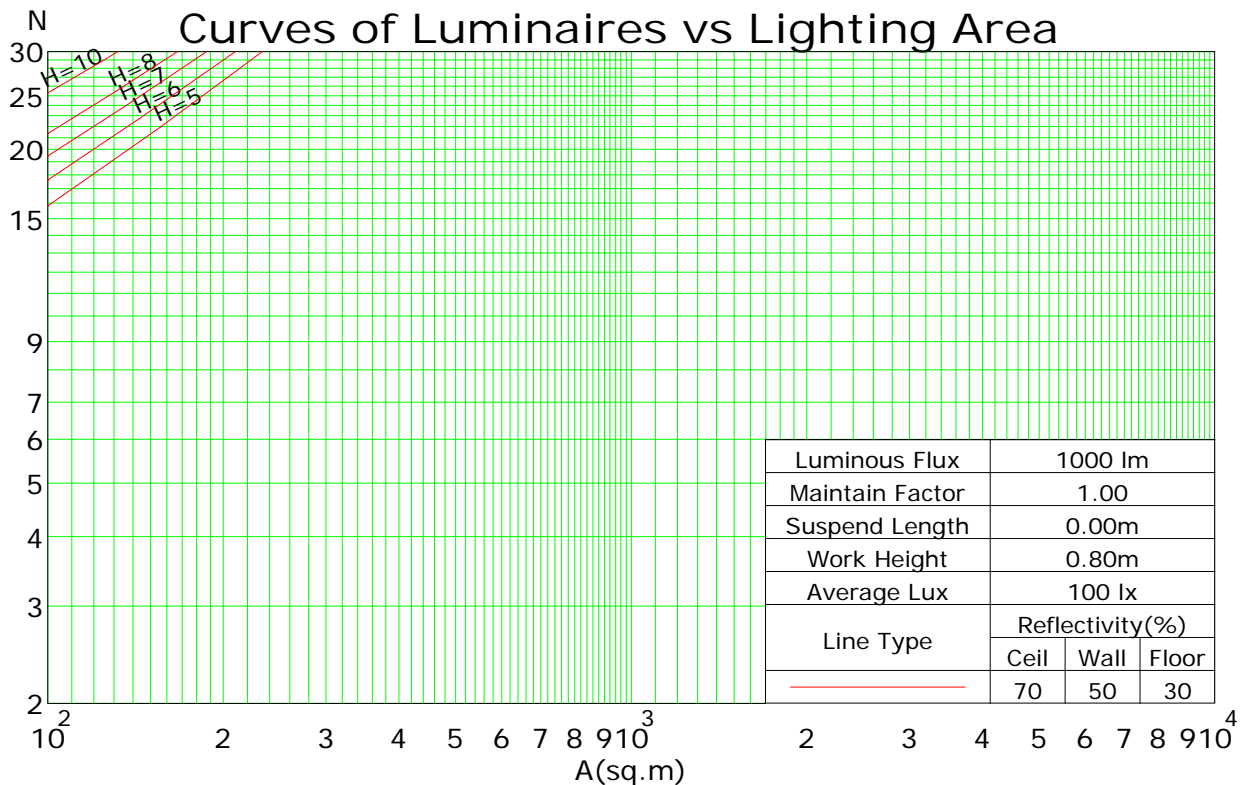
Coefficients Of Utilization - Zonal Cavity Method

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	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.22

Spacing Criteria (Diagonal): 1.35



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature: 25°C

Operator: XU

Gamma Plane (°):0.0-90.0:1.0

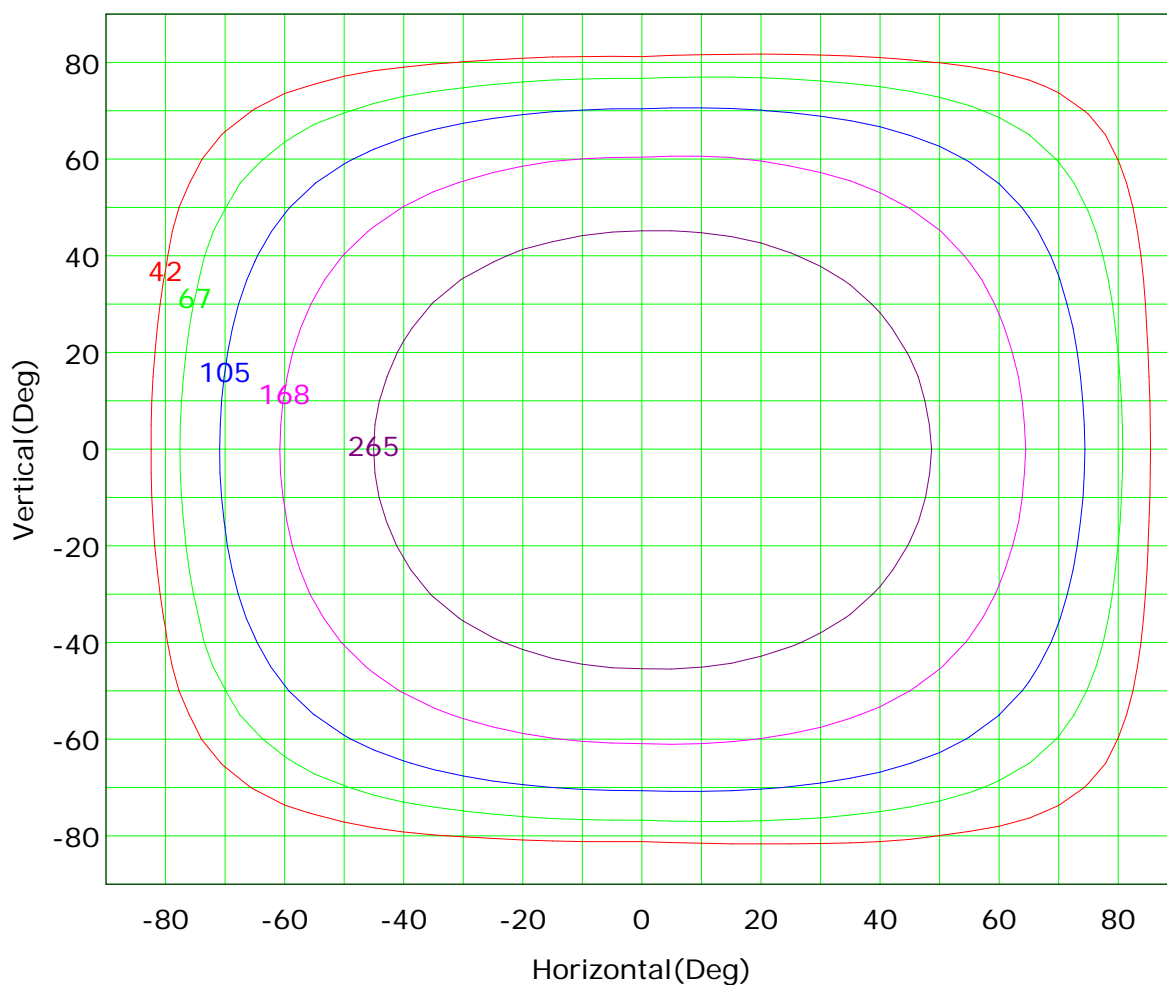
Test Device: GPM-1600

Distance: 8.350 m

Humidity: 50%

Inspector:

Isocandela (rectangle)



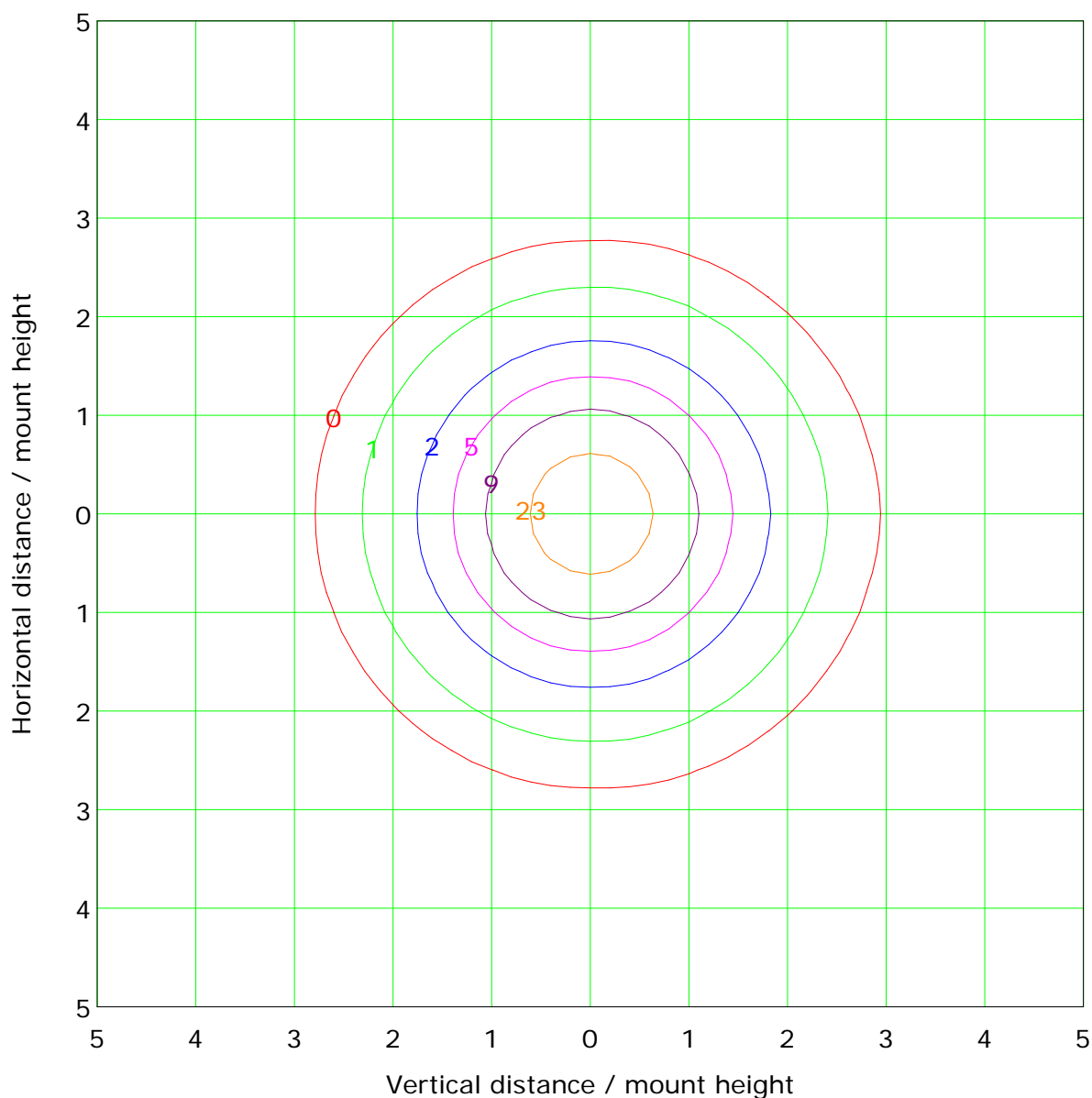
I_{max} (100%): 420 cd

(10%):	42 cd	(16%):	67 cd
(25%):	105 cd	(40%):	168 cd
(63%):	265 cd	(100%):	420 cd

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

IsoLux Plot



Mounting Height: 3.0m Max Lux(100%): 46.6 lx

(1%): 0.5 lx	(2%): 0.9 lx
(5%): 2.3 lx	(10%): 4.7 lx
(20%): 9.3 lx	(50%): 23.3 lx
(100%): 46.6 lx	

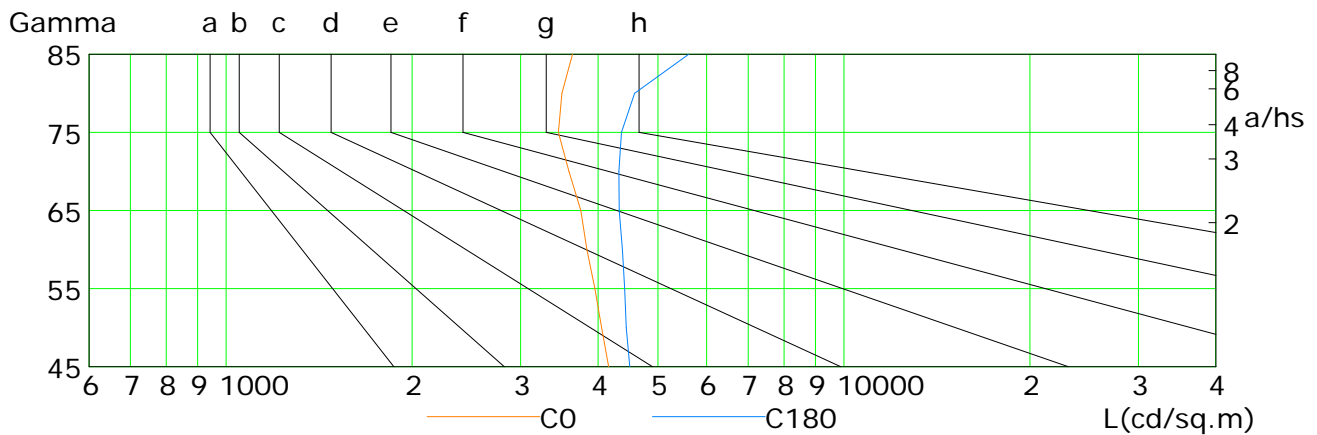
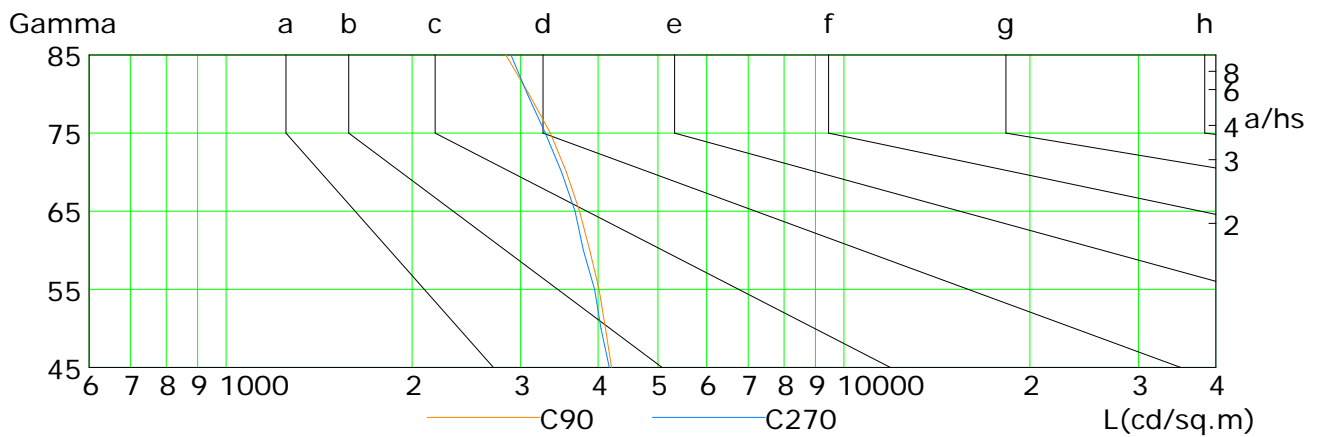
C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 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

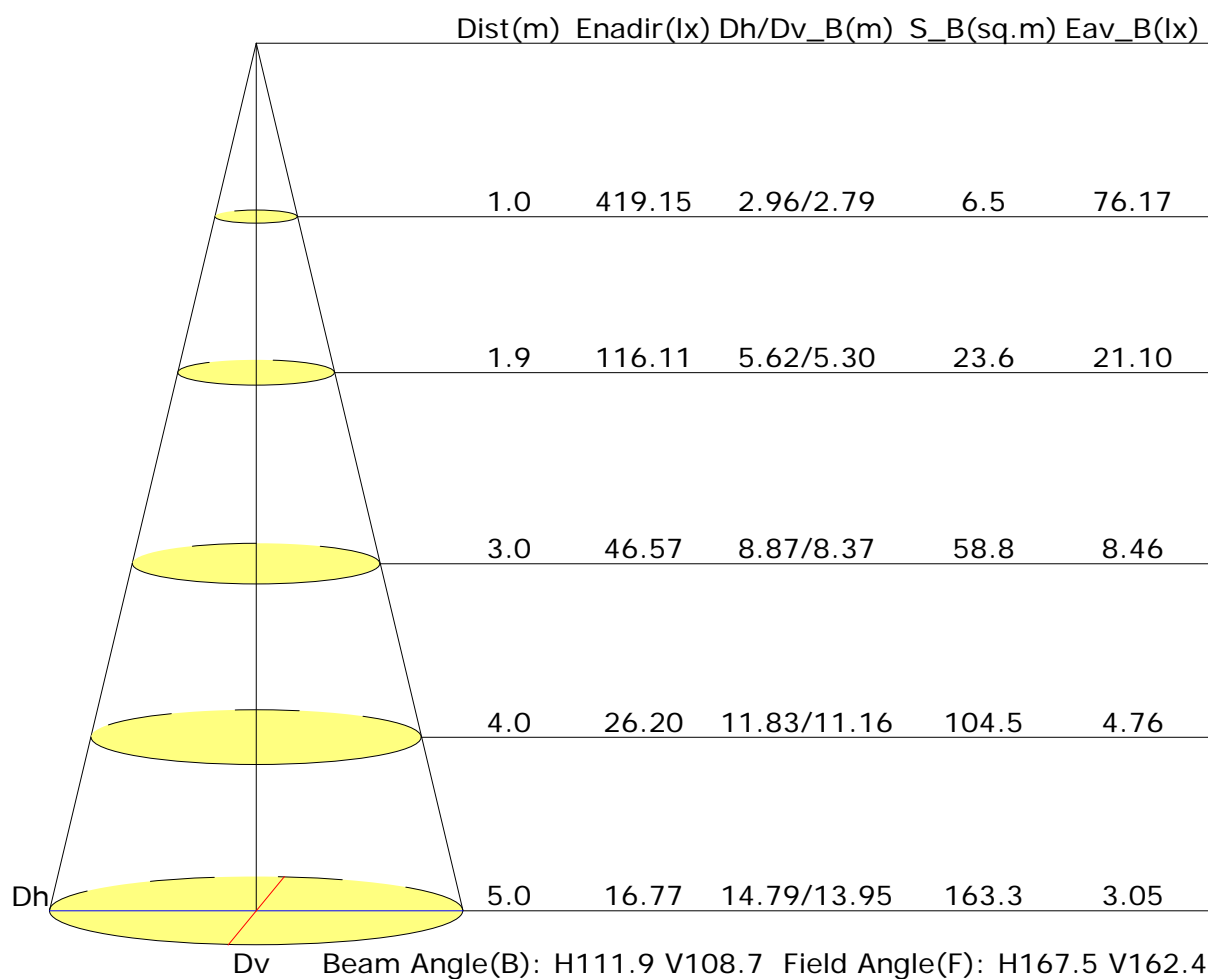


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4164	4055	3956	3839	3751	3588	3450	3497	3640
C90	4207	4113	4018	3879	3733	3556	3349	3092	2838
C180	4505	4443	4419	4382	4328	4324	4365	4585	5612
C270	4172	4047	3951	3790	3673	3493	3287	3075	2893

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

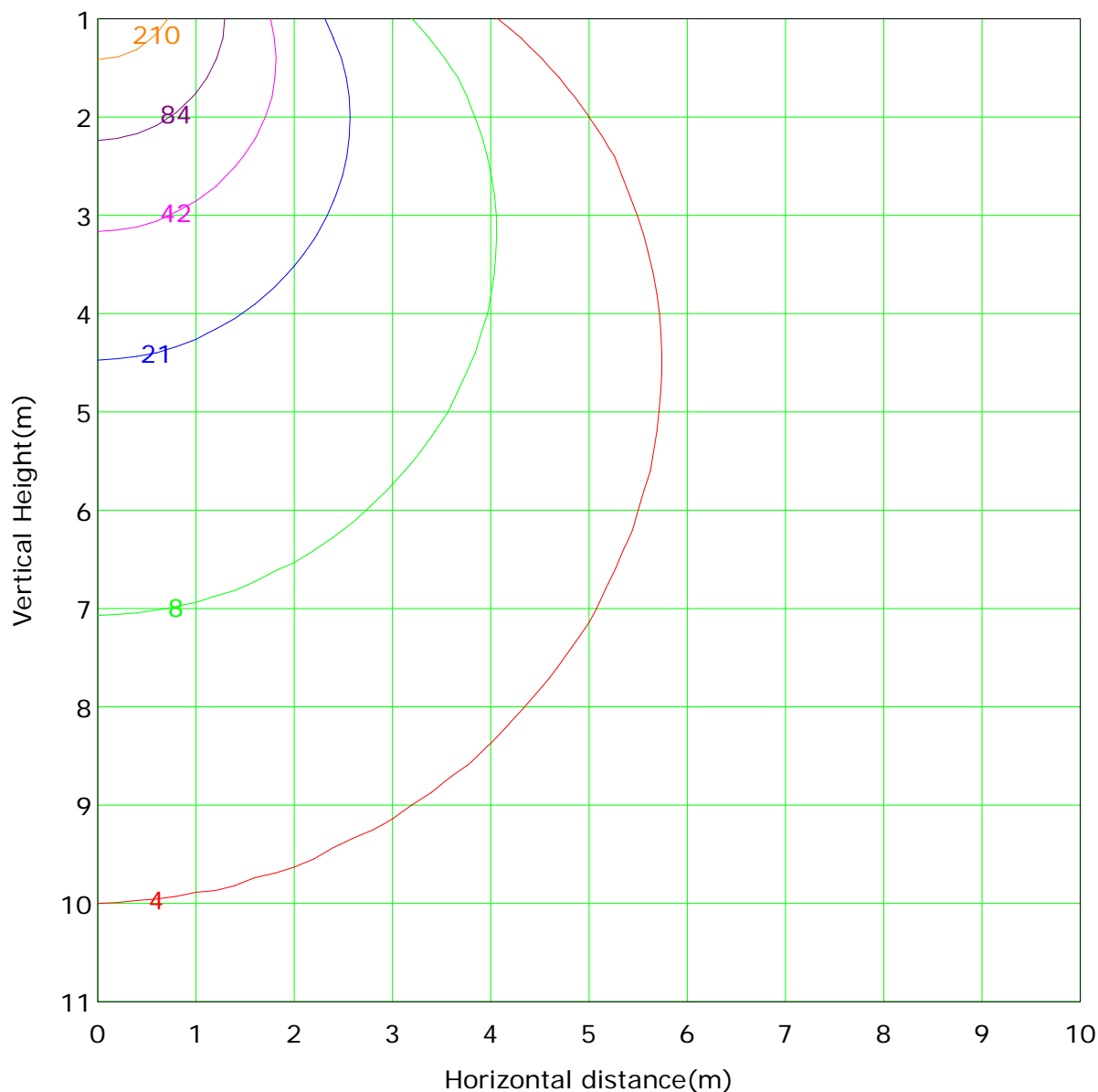
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 419.1 lx

— (1%): 4.2 lx	— (2%): 8.4 lx
— (5%): 21.0 lx	— (10%): 41.9 lx
— (20%): 83.8 lx	— (50%): 209.6 lx
— (100%): 419.1 lx	

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

Area Flux Table

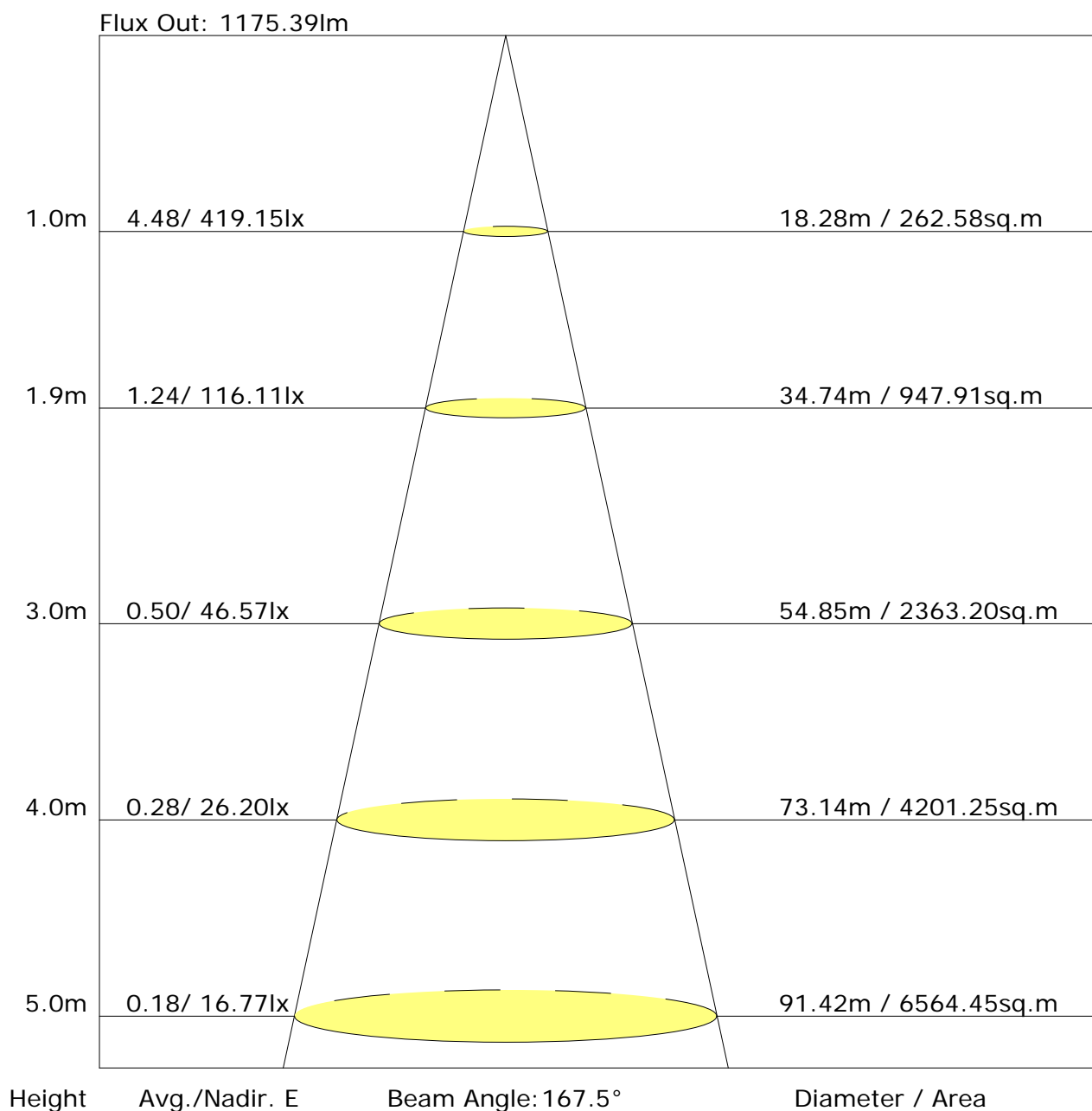
Unit: lm

Flux(E)	Vertical plane																		Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
1.0	8.9	23.3	43.1	66.1	89.5	110.4	125.6	133.0	132.0	122.8	106.0	84.2	60.5	37.9	19.2	6.3	0.2			1170
1.9	9.9	24.3	44.2	67.2	90.6	111.4	126.7	134.2	133.2	124.0	107.2	85.4	61.7	39.2	20.5	7.7	1.3			1191
0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	8.5	1.3	
0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.3	2.4	2.4	2.2	1.9	1.6	1.2	0.8	0.4	0.2	0.0	22.6	21.0	
0.1	0.4	0.9	1.5	2.3	3.0	3.7	4.1	4.3	4.3	4.0	3.5	2.8	2.0	1.3	0.7	0.3	0.1	39.1	38.7	
0.1	0.5	1.2	2.1	3.2	4.3	5.2	5.9	6.3	6.2	5.8	5.0	4.0	2.9	1.8	1.0	0.4	0.1	56.0	55.7	
0.1	0.6	1.5	2.7	4.1	5.5	6.7	7.6	8.1	8.1	7.5	6.5	5.2	3.7	2.4	1.2	0.5	0.1	71.9	71.7	
0.1	0.7	1.7	3.1	4.8	6.5	8.0	9.2	9.7	9.7	9.0	7.8	6.2	4.5	2.8	1.5	0.5	0.1	85.9	85.8	
0.1	0.8	2.0	3.8	5.9	8.0	9.9	11.3	12.0	12.0	11.1	9.6	7.6	5.5	3.4	1.8	0.6	0.1	105.5	105.4	
0.1	0.8	2.1	4.0	6.1	8.3	10.3	11.8	12.6	12.5	11.6	9.9	7.9	5.7	3.6	1.8	0.7	0.1	109.8	109.8	
0.1	0.8	2.1	4.0	6.1	8.3	10.3	11.8	12.6	12.5	11.6	9.9	7.9	5.7	3.6	1.8	0.7	0.1	109.8	109.7	
0.1	0.8	2.0	3.8	5.9	8.0	9.9	11.3	12.0	11.9	11.1	9.5	7.6	5.4	3.4	1.8	0.6	0.1	105.3	105.2	
0.1	0.7	1.9	3.5	5.4	7.3	9.1	10.4	11.0	11.0	10.2	8.8	7.0	5.0	3.2	1.6	0.6	0.1	97.0	96.9	
0.1	0.7	1.7	3.1	4.8	6.5	8.0	9.1	9.7	9.6	9.0	7.7	6.2	4.4	2.8	1.5	0.5	0.1	85.5	85.4	
0.1	0.6	1.4	2.6	4.0	5.4	6.7	7.6	8.0	8.0	7.4	6.4	5.1	3.7	2.4	1.2	0.5	0.1	71.3	71.2	
0.1	0.5	1.2	2.1	3.2	4.2	5.2	5.9	6.2	6.1	5.7	5.0	4.0	2.9	1.8	1.0	0.4	0.1	55.4	55.2	
0.1	0.4	0.9	1.5	2.3	3.0	3.6	4.1	4.3	4.2	3.9	3.4	2.8	2.0	1.3	0.7	0.3	0.1	38.7	38.2	
0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.3	2.4	2.3	2.2	1.9	1.6	1.2	0.8	0.4	0.2	0.0	22.6	21.0	
0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	8.5	1.3	
1.9	9.9	24.3	44.2	67.2	90.6	111.4	126.7	134.2	133.2	124.0	107.2	85.4	61.7	39.2	20.5	7.7	1.3			1191
1.0	8.9	23.3	43.1	66.1	89.5	110.4	125.6	133.0	132.0	122.8	106.0	84.2	60.5	37.9	19.2	6.3	0.2			1170

C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 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	17.2	18.6	17.5	18.9	19.1	17.2	18.7	17.5	18.9	19.1
3H	18.8	20.1	19.2	20.4	20.7	18.8	20.1	19.1	20.4	20.6
4H	19.5	20.7	19.9	21.0	21.3	19.5	20.7	19.8	21.0	21.3
6H	20.1	21.2	20.5	21.5	21.9	20.0	21.1	20.3	21.4	21.7
8H	20.3	21.4	20.7	21.7	22.1	20.1	21.2	20.5	21.6	21.9
12H	20.5	21.5	20.9	21.9	22.2	20.3	21.3	20.6	21.6	22.0
X=4H Y=2H	17.9	19.1	18.3	19.4	19.7	17.9	19.1	18.3	19.4	19.7
3H	19.7	20.8	20.1	21.1	21.4	19.7	20.7	20.1	21.1	21.4
4H	20.5	21.5	20.9	21.8	22.2	20.5	21.4	20.9	21.8	22.1
6H	21.2	22.1	21.7	22.5	22.9	21.1	21.9	21.5	22.3	22.7
8H	21.5	22.3	22.0	22.7	23.1	21.3	22.1	21.8	22.5	22.9
12H	21.8	22.5	22.2	22.9	23.3	21.5	22.2	22.0	22.6	23.1
X=8H Y=4H	20.8	21.6	21.3	22.0	22.4	20.8	21.6	21.2	22.0	22.4
6H	21.7	22.4	22.2	22.8	23.3	21.6	22.2	22.1	22.7	23.1
8H	22.1	22.7	22.6	23.1	23.6	21.9	22.5	22.4	23.0	23.4
12H	22.5	23.0	23.0	23.4	23.9	22.2	22.7	22.7	23.2	23.7
X=12H Y=4H	20.9	21.6	21.3	22.0	22.4	20.8	21.5	21.3	22.0	22.4
6H	21.8	22.4	22.3	22.8	23.3	21.7	22.3	22.2	22.7	23.2
8H	22.3	22.7	22.8	23.2	23.7	22.1	22.6	22.6	23.0	23.5
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.5					+0.4/-0.5				
S=2.0H	+0.5/-0.8					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 1191lm ($8\log(F/F_0) = 0.6$).

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: XU

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.350 m
Humidity: 50%
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.60	0.68	0.75	0.81	0.88	0.92	0.96	1.00	1.03
	0.30		0.52	0.60	0.68	0.74	0.81	0.87	0.91	0.96	1.00
	0.20		0.47	0.55	0.62	0.68	0.76	0.82	0.86	0.92	0.96
0.50	0.50	0.20	0.58	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99
	0.30		0.51	0.59	0.67	0.72	0.79	0.84	0.88	0.93	0.96
	0.20		0.46	0.54	0.62	0.67	0.75	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.57	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.51	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.46	0.53	0.61	0.66	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.44	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86
<p>Rating: 13W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.95	0.81	0.69	0.60	0.48	0.40	0.35	0.27	0.22	
	0.30		0.80	0.69	0.60	0.53	0.44	0.37	0.32	0.26	0.21	
	0.20		0.68	0.61	0.53	0.48	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.92	0.78	0.66	0.58	0.46	0.42	0.33	0.26	0.21	
	0.30		0.78	0.68	0.58	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.68	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.89	0.75	0.63	0.55	0.44	0.37	0.32	0.25	0.20	
	0.30		0.76	0.66	0.57	0.50	0.41	0.34	0.30	0.24	0.19	
	0.20		0.67	0.59	0.51	0.46	0.38	0.32	0.28	0.22	0.19	
0.00	0.00	0.00	0.56	0.49	0.42	0.37	0.30	0.26	0.22	0.18	0.14	
<p>Rating: 13W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.15	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rating: 13W 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	418.7	0.4	0.4	0.03	0.03
1.0-2.0	418.0	1.2	1.6	0.10	0.13
2.0-3.0	417.8	2.0	3.6	0.17	0.30
3.0-4.0	417.4	2.8	6.4	0.23	0.54
4.0-5.0	416.7	3.6	10.0	0.30	0.84
5.0-6.0	415.7	4.4	14.3	0.37	1.20
6.0-7.0	414.9	5.2	19.5	0.43	1.64
7.0-8.0	414.4	5.9	25.4	0.50	2.14
8.0-9.0	413.0	6.7	32.1	0.56	2.70
9.0-10.0	411.2	7.4	39.6	0.63	3.32
10.0-11.0	409.7	8.2	47.8	0.69	4.01
11.0-12.0	407.7	8.9	56.7	0.75	4.76
12.0-13.0	405.8	9.6	66.3	0.81	5.57
13.0-14.0	403.3	10.3	76.6	0.87	6.43
14.0-15.0	400.6	11.0	87.6	0.92	7.36
15.0-16.0	398.2	11.7	99.3	0.98	8.34
16.0-17.0	396.0	12.3	111.6	1.04	9.37
17.0-18.0	393.4	13.0	124.6	1.09	10.46
18.0-19.0	390.6	13.6	138.2	1.14	11.60
19.0-20.0	387.5	14.2	152.4	1.19	12.80
20.0-21.0	384.3	14.8	167.1	1.24	14.04
21.0-22.0	380.9	15.3	182.4	1.29	15.32
22.0-23.0	377.5	15.8	198.3	1.33	16.65
23.0-24.0	374.2	16.4	214.6	1.37	18.03
24.0-25.0	370.1	16.8	231.5	1.41	19.44
25.0-26.0	366.2	17.3	248.8	1.45	20.89
26.0-27.0	362.3	17.7	266.5	1.49	22.38
27.0-28.0	358.0	18.1	284.6	1.52	23.90
28.0-29.0	353.7	18.5	303.1	1.55	25.46
29.0-30.0	349.9	18.9	322.0	1.59	27.04
30.0-31.0	345.5	19.2	341.3	1.61	28.66
31.0-32.0	340.7	19.5	360.8	1.64	30.30
32.0-33.0	336.5	19.8	380.6	1.67	31.96
33.0-34.0	332.0	20.1	400.7	1.69	33.65
34.0-35.0	327.2	20.3	421.0	1.71	35.36
35.0-36.0	322.3	20.5	441.5	1.72	37.08

C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 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	317.1	20.7	462.2	1.74	38.82
37.0-38.0	311.7	20.8	483.0	1.75	40.56
38.0-39.0	306.4	20.9	503.9	1.76	42.32
39.0-40.0	301.0	21.0	524.9	1.76	44.08
40.0-41.0	295.8	21.1	546.0	1.77	45.85
41.0-42.0	290.5	21.1	567.1	1.77	47.62
42.0-43.0	285.1	21.1	588.2	1.77	49.40
43.0-44.0	279.5	21.1	609.3	1.77	51.17
44.0-45.0	274.0	21.1	630.4	1.77	52.94
45.0-46.0	268.2	21.0	651.4	1.76	54.70
46.0-47.0	262.3	20.9	672.2	1.75	56.45
47.0-48.0	256.4	20.7	693.0	1.74	58.19
48.0-49.0	250.3	20.6	713.5	1.73	59.92
49.0-50.0	244.0	20.3	733.9	1.71	61.63
50.0-51.0	237.8	20.1	754.0	1.69	63.32
51.0-52.0	232.0	19.9	773.9	1.67	64.99
52.0-53.0	226.1	19.7	793.6	1.65	66.64
53.0-54.0	219.8	19.4	812.9	1.63	68.27
54.0-55.0	213.8	19.1	832.0	1.60	69.87
55.0-56.0	207.8	18.8	850.8	1.58	71.45
56.0-57.0	201.4	18.4	869.2	1.55	73.00
57.0-58.0	195.1	18.0	887.3	1.51	74.51
58.0-59.0	188.4	17.6	904.9	1.48	75.99
59.0-60.0	181.8	17.2	922.1	1.44	77.43
60.0-61.0	175.8	16.8	938.8	1.41	78.84
61.0-62.0	169.5	16.3	955.2	1.37	80.21
62.0-63.0	162.9	15.8	971.0	1.33	81.54
63.0-64.0	156.4	15.4	986.4	1.29	82.83
64.0-65.0	150.2	14.9	1001.2	1.25	84.08
65.0-66.0	144.2	14.4	1015.6	1.21	85.29
66.0-67.0	137.7	13.8	1029.5	1.16	86.45
67.0-68.0	131.1	13.3	1042.8	1.12	87.57
68.0-69.0	124.7	12.7	1055.5	1.07	88.64
69.0-70.0	118.3	12.2	1067.6	1.02	89.66
70.0-71.0	112.0	11.6	1079.2	0.97	90.63
71.0-72.0	105.7	11.0	1090.2	0.92	91.55

C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

Zonal Lumen (Continue 2)

[illegible]

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: XU

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 8.350 m
Humidity: 50%
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	419.1	419.2	419.1	419.2	419.1					
G1.0	418.8	417.5	419.8	416.9	418.8					
G2.0	417.4	417.2	419.1	417.4	417.4					
G3.0	417.5	417.0	420.3	416.8	417.5					
G4.0	416.6	416.1	418.6	416.1	416.6					
G5.0	415.6	416.7	418.0	415.6	415.6					
G6.0	413.4	414.0	417.4	415.2	413.4					
G7.0	414.4	413.1	416.7	415.0	414.4					
G8.0	412.8	413.3	418.4	411.2	412.8					
G9.0	408.6	411.3	417.0	411.1	408.6					
G10.0	407.7	409.6	415.9	408.7	407.7					
G11.0	407.3	408.1	413.3	407.1	407.3					
G12.0	405.0	406.1	410.5	404.3	405.0					
G13.0	402.6	404.2	410.6	403.0	402.6					
G14.0	397.8	401.8	407.1	399.7	397.8					
G15.0	395.4	399.4	405.3	398.2	395.4					
G16.0	392.5	396.9	403.0	395.3	392.5					
G17.0	391.7	394.1	401.5	392.6	391.7					
G18.0	388.6	391.2	398.2	389.7	388.6					
G19.0	384.9	388.3	397.6	386.4	384.9					
G20.0	380.2	384.5	394.9	383.2	380.2					
G21.0	378.4	381.7	391.8	379.7	378.4					
G22.0	373.2	377.5	389.0	376.2	373.2					
G23.0	371.0	376.2	383.9	372.6	371.0					
G24.0	368.0	370.5	380.7	370.4	368.0					
G25.0	361.8	367.4	377.1	365.1	361.8					
G26.0	360.0	364.5	373.1	360.8	360.0					
G27.0	353.9	358.6	370.6	356.8	353.9					
G28.0	349.7	354.4	366.2	353.7	349.7					
G29.0	345.3	350.0	363.3	347.3	345.3					
G30.0	341.2	347.5	358.9	345.7	341.2					
G31.0	336.9	340.9	354.8	338.2	336.9					
G32.0	332.1	336.5	351.8	334.1	332.1					
G33.0	327.5	333.5	346.0	330.5	327.5					
G34.0	322.5	327.9	341.1	326.6	322.5					
G35.0	318.9	321.7	337.1	321.4	318.9					
G36.0	313.7	317.4	331.6	316.6	313.7					

C Plane (°): 0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: GPM-1600
Distance: 8.350 m
Humidity: 50%
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	306.8	313.3	327.1	310.0	306.8					
G38.0	302.2	307.0	323.5	304.0	302.2					
G39.0	296.5	301.5	317.1	299.1	296.5					
G40.0	291.0	296.1	311.7	295.0	291.0					
G41.0	287.5	290.6	306.9	287.5	287.5					
G42.0	280.3	286.1	303.0	281.9	280.3					
G43.0	275.1	280.6	296.2	277.3	275.1					
G44.0	269.3	273.2	292.2	272.1	269.3					
G45.0	265.0	267.7	286.7	265.5	265.0					
G46.0	258.6	262.0	281.2	259.2	258.6					
G47.0	252.3	256.0	275.6	253.3	252.3					
G48.0	246.9	250.2	269.3	247.9	246.9					
G49.0	239.9	243.8	262.8	241.3	239.9					
G50.0	234.6	237.9	257.0	234.1	234.6					
G51.0	228.7	231.2	251.7	227.5	228.7					
G52.0	222.3	225.1	246.6	223.1	222.3					
G53.0	216.4	218.8	239.6	216.5	216.4					
G54.0	210.2	212.7	233.5	210.5	210.2					
G55.0	204.2	207.4	228.1	203.9	204.2					
G56.0	197.9	200.3	222.7	197.7	197.9					
G57.0	191.4	193.9	216.3	191.2	191.4					
G58.0	185.4	188.3	209.2	184.8	185.4					
G59.0	178.9	180.7	202.9	177.1	178.9					
G60.0	172.8	174.5	197.2	170.5	172.8					
G61.0	166.3	168.1	191.3	165.8	166.3					
G62.0	160.0	161.8	183.7	159.2	160.0					
G63.0	153.6	155.1	177.4	152.4	153.6					
G64.0	147.6	148.6	170.9	145.8	147.6					
G65.0	142.7	142.0	164.6	139.7	142.7					
G66.0	137.1	135.6	159.2	133.1	137.1					
G67.0	129.2	128.9	152.1	126.4	129.2					
G68.0	122.9	122.4	146.4	120.2	122.9					
G69.0	116.4	116.1	139.6	113.8	116.4					
G70.0	110.4	109.5	133.1	107.5	110.4					
G71.0	104.2	103.2	126.8	101.2	104.2					
G72.0	98.2	97.0	120.7	94.7	98.2					
G73.0	92.1	90.4	113.8	88.6	92.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25°C
 Operator: XU

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 8.350 m
 Humidity: 50%
 Inspector:

Unit: cd

C Plane (°): 0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: XU

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: GPM-1600
Distance: 8.350 m
Humidity: 50%
Inspector: