

Report No.:

Test Time: 2023-08-24 16:18

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ADLEDAC12W165-3TLamp Catalog: 3000K

Luminous Length (mm): 165

Luminous Width (mm): 165

Voltage: 230.3 V

Current: 0.035 A

Power: 7.67 W

Power Factor: 0.945

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 841.5 lm

Measurement Flux: 841.5 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.2, 156.0, 155.6, 155.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.2, 107.1, 107.1, 107.1

Luminaire Efficacy Rating (LER): 109.76

Central Intensity: 321.18 cd

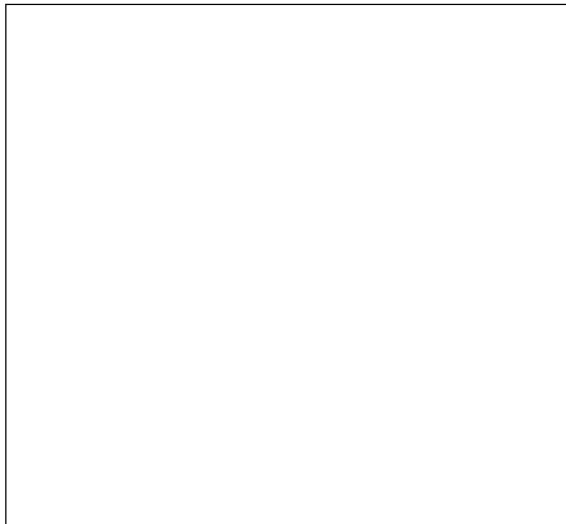
Max. Intensity: 321.36 cd

Pos of Max. Intensity: H180 V1

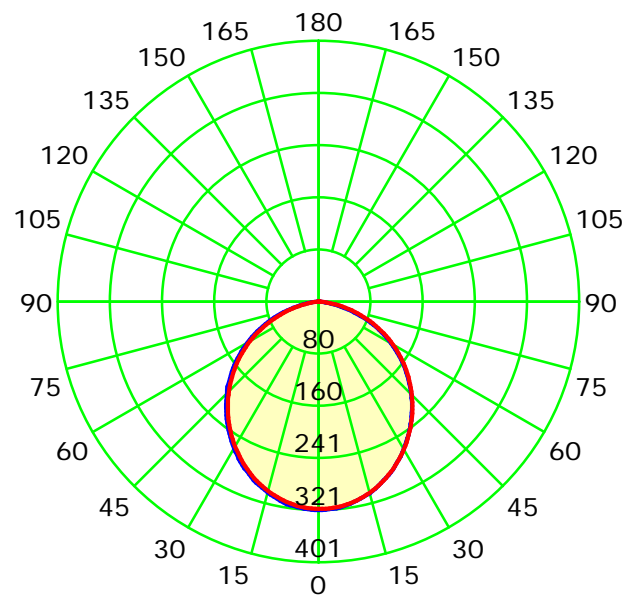
S/MH(C0/C180): 1.21

S/MH(C90/C270): 1.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Gamma Plane (°):0.0-90.0: 1.0

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 8.350 m

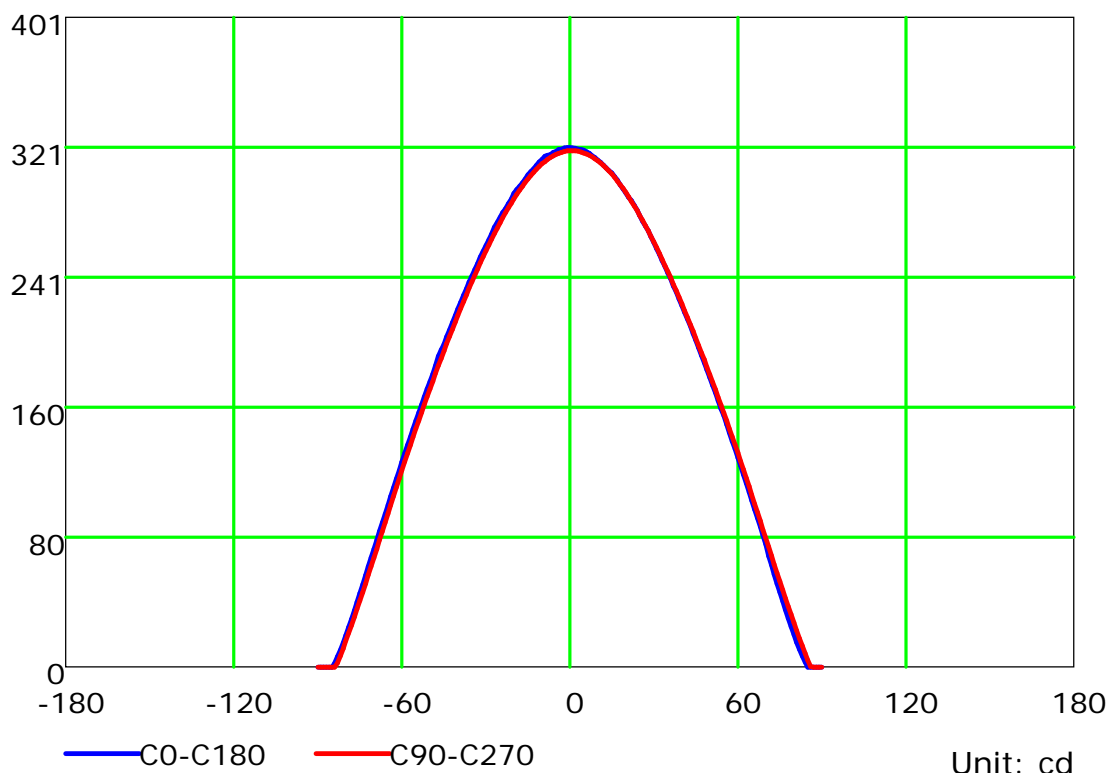
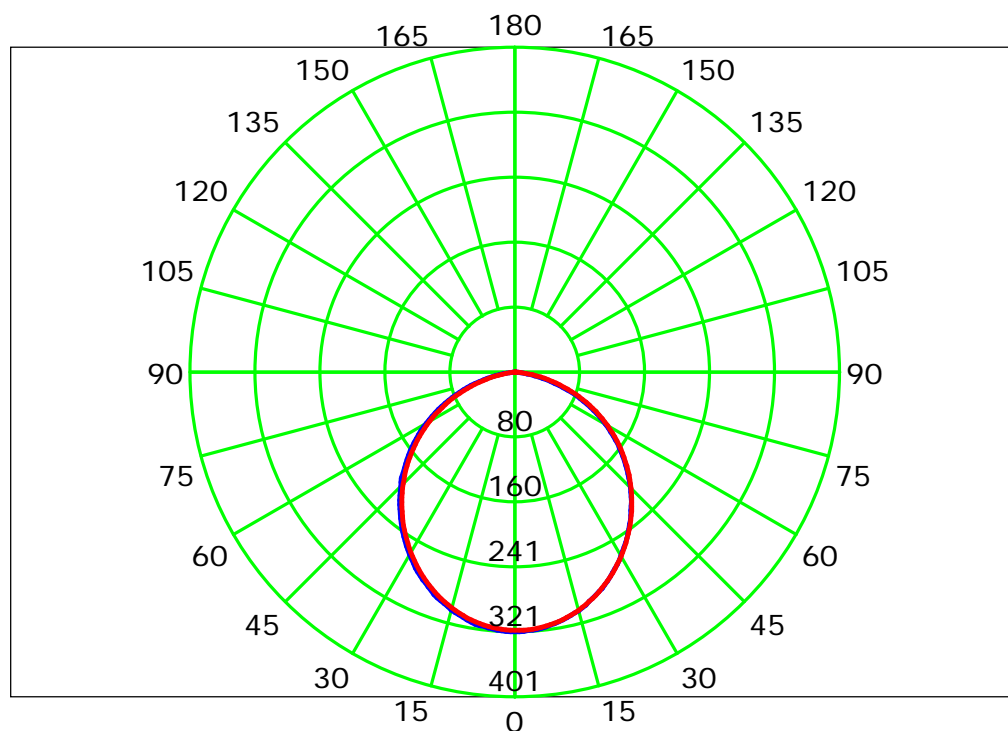
Temperature: 25°C

Humidity: 50%

Operator: XU

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:

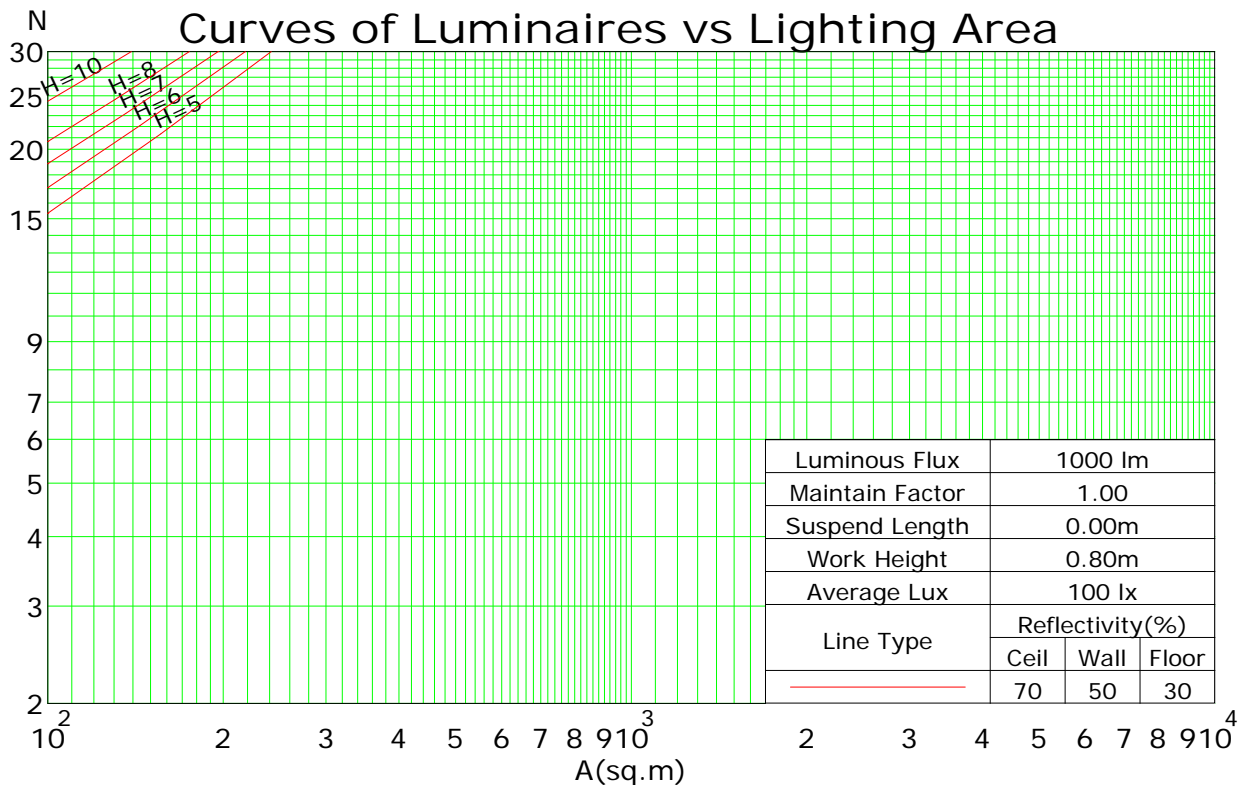
## Coefficients Of Utilization - Zonal Cavity Method

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	52	47	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.21

Spacing Criteria (90-270): 1.21

Spacing Criteria (Diagonal): 1.33



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

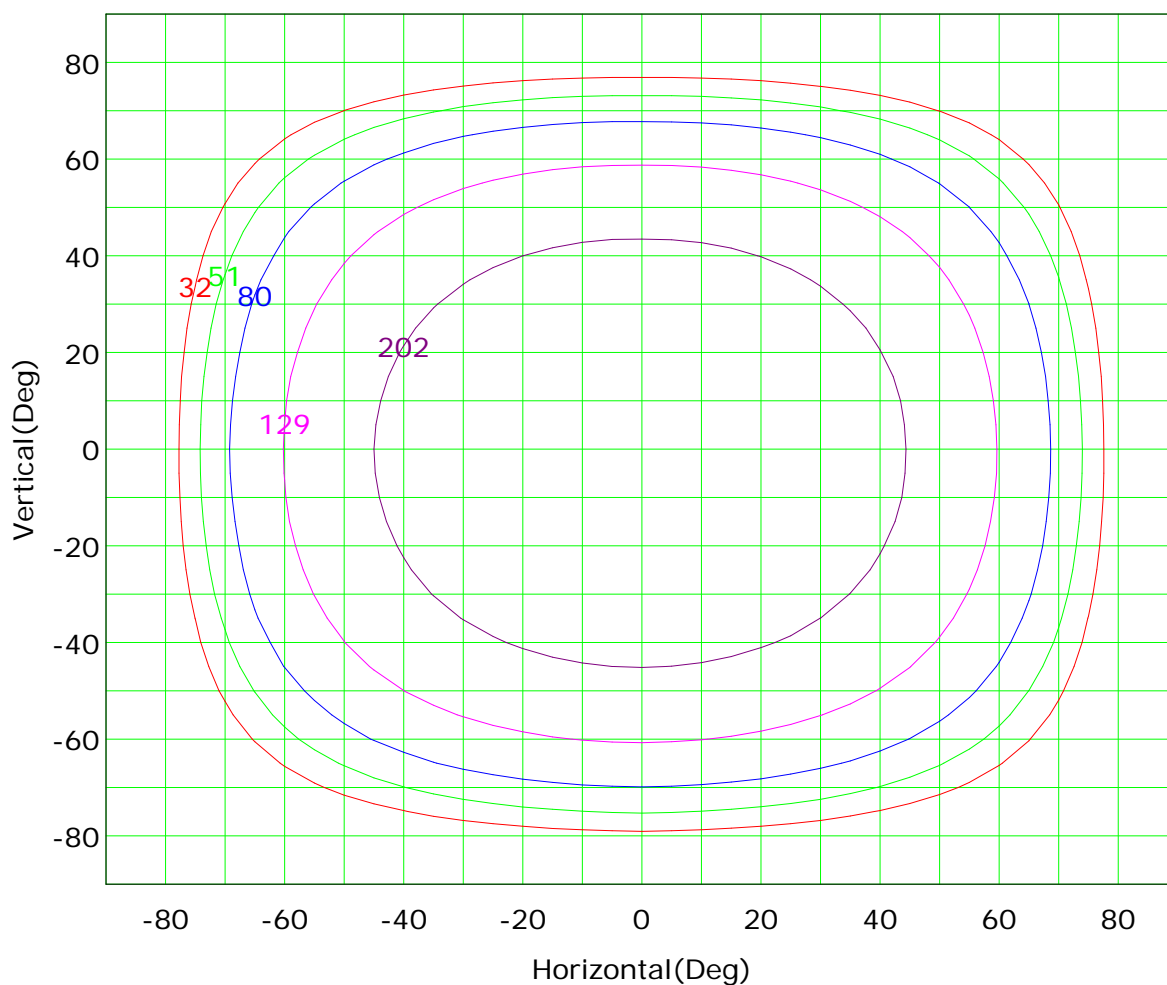
Test Device: GPM-1600

Distance: 8.350 m

Humidity: 50%

Inspector:

## Isocandela (rectangle)



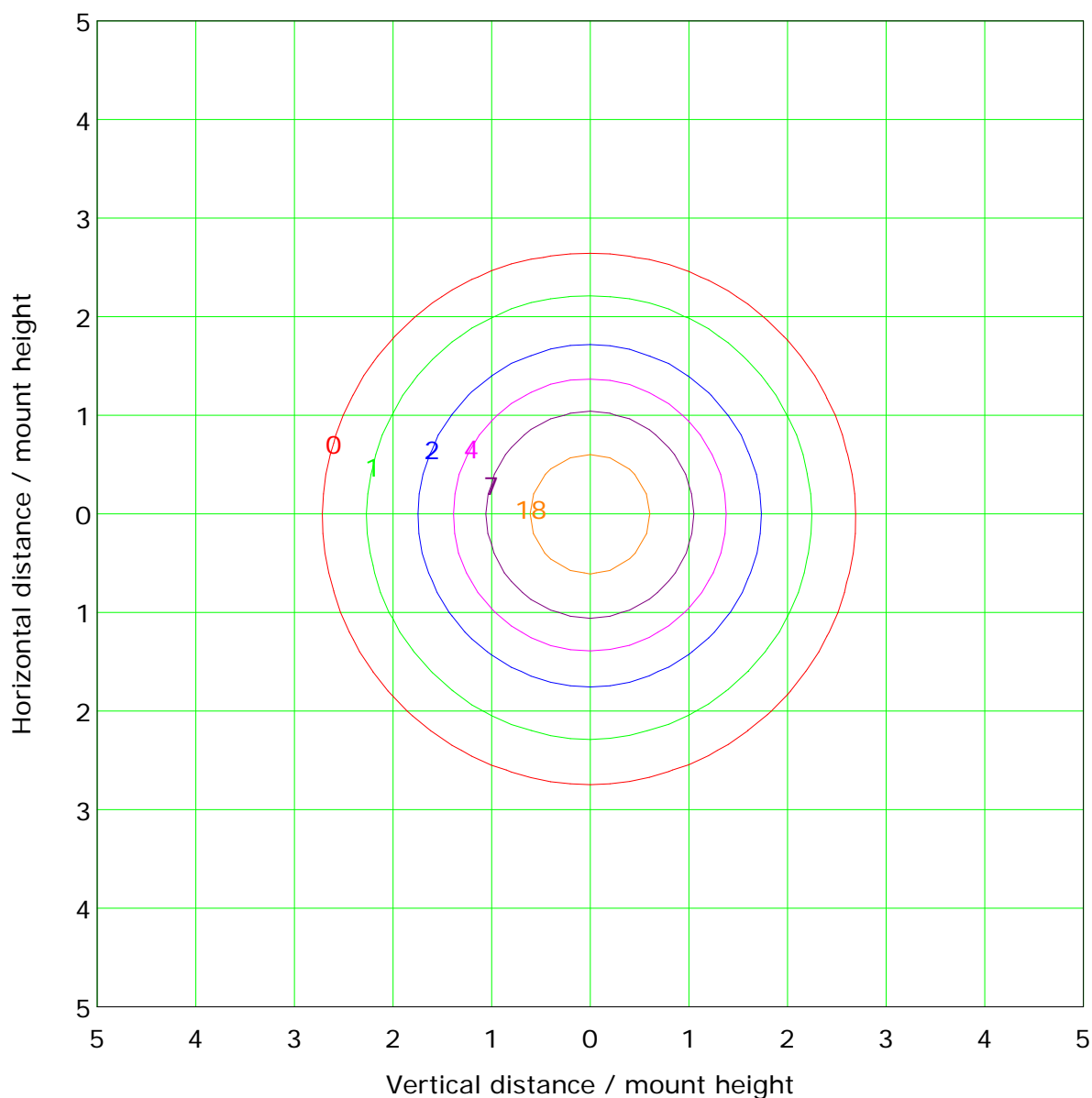
I<sub>max</sub> (100%): 321 cd

( 10%):	32 cd	( 16%):	51 cd
( 25%):	80 cd	( 40%):	129 cd
( 63%):	202 cd	(100%):	321 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%): 35.7 lx

( 1%): 0.4 lx	( 2%): 0.7 lx
( 5%): 1.8 lx	(10%): 3.6 lx
(20%): 7.1 lx	(50%): 17.8 lx
(100%): 35.7 lx	

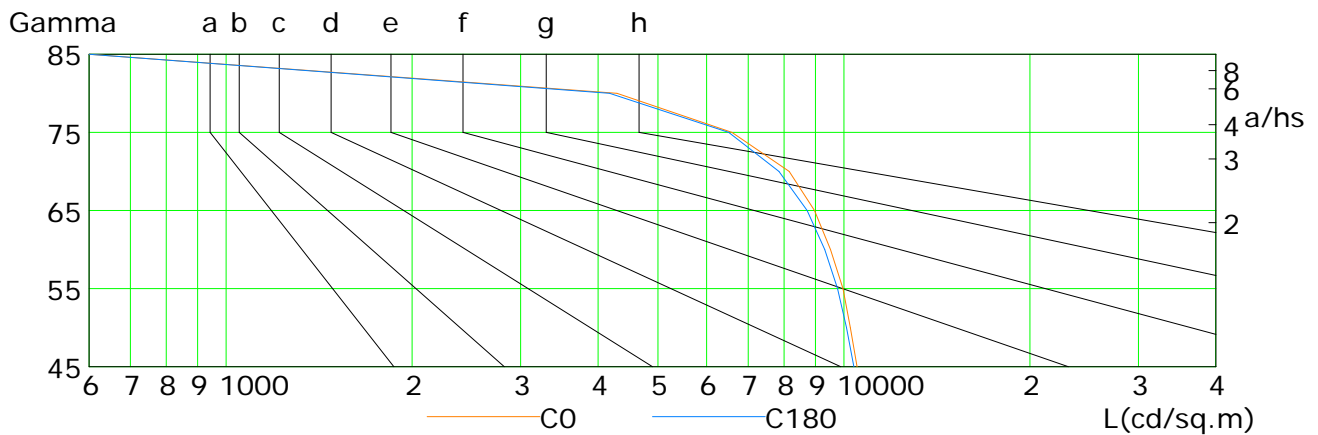
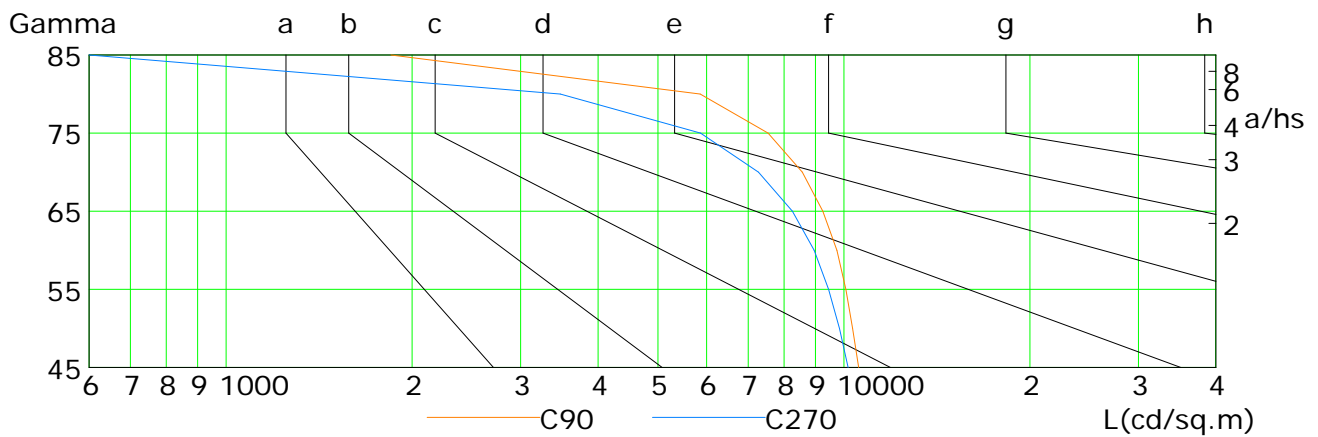
C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25°C  
 Operator: XU

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

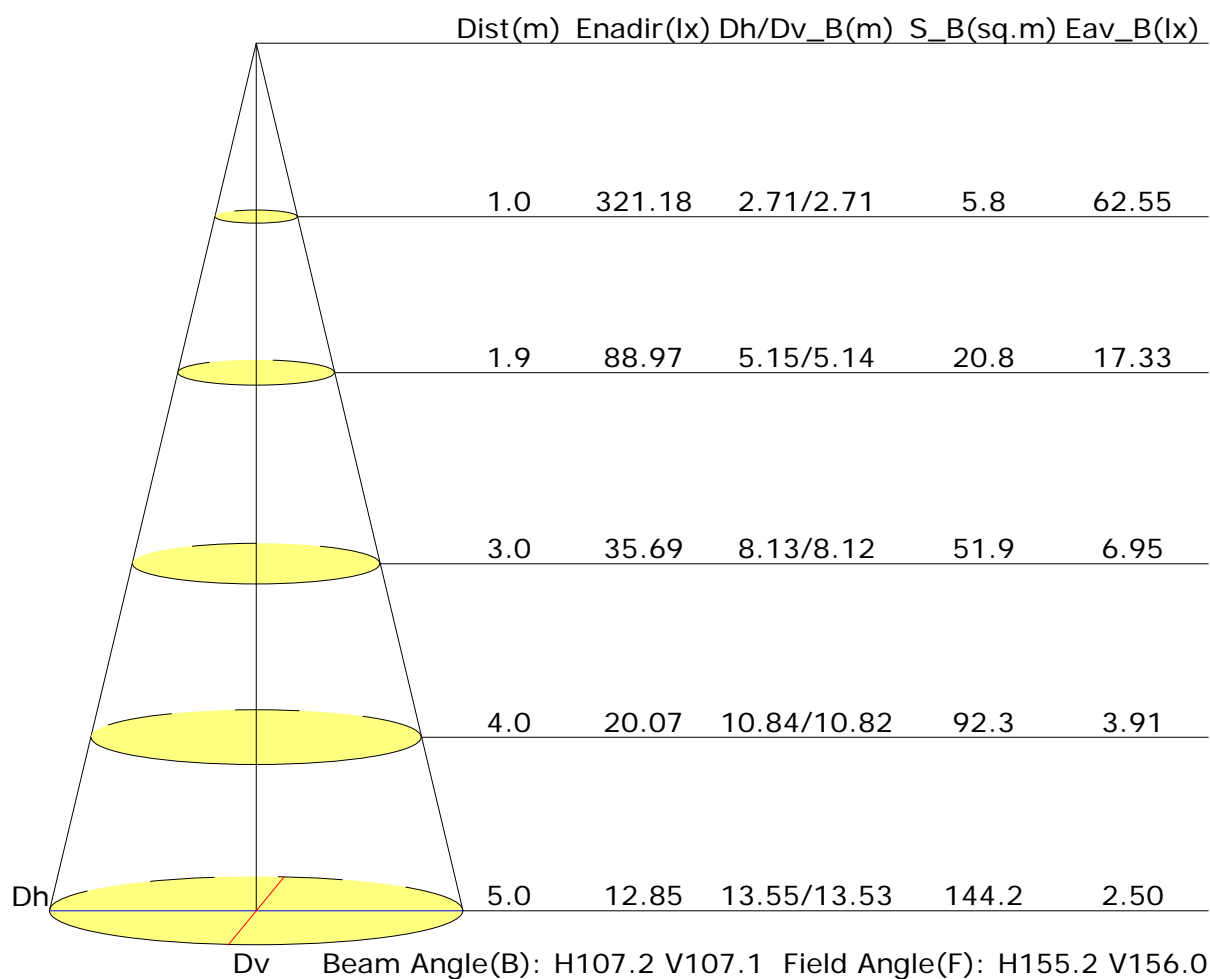


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	10506	10243	9968	9516	8963	8163	6592	4292	0
C90	10568	10337	10072	9741	9253	8569	7539	5855	1850
C180	10377	10096	9764	9319	8717	7851	6514	4180	0
C270	10158	9834	9453	8949	8257	7276	5863	3475	0

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:

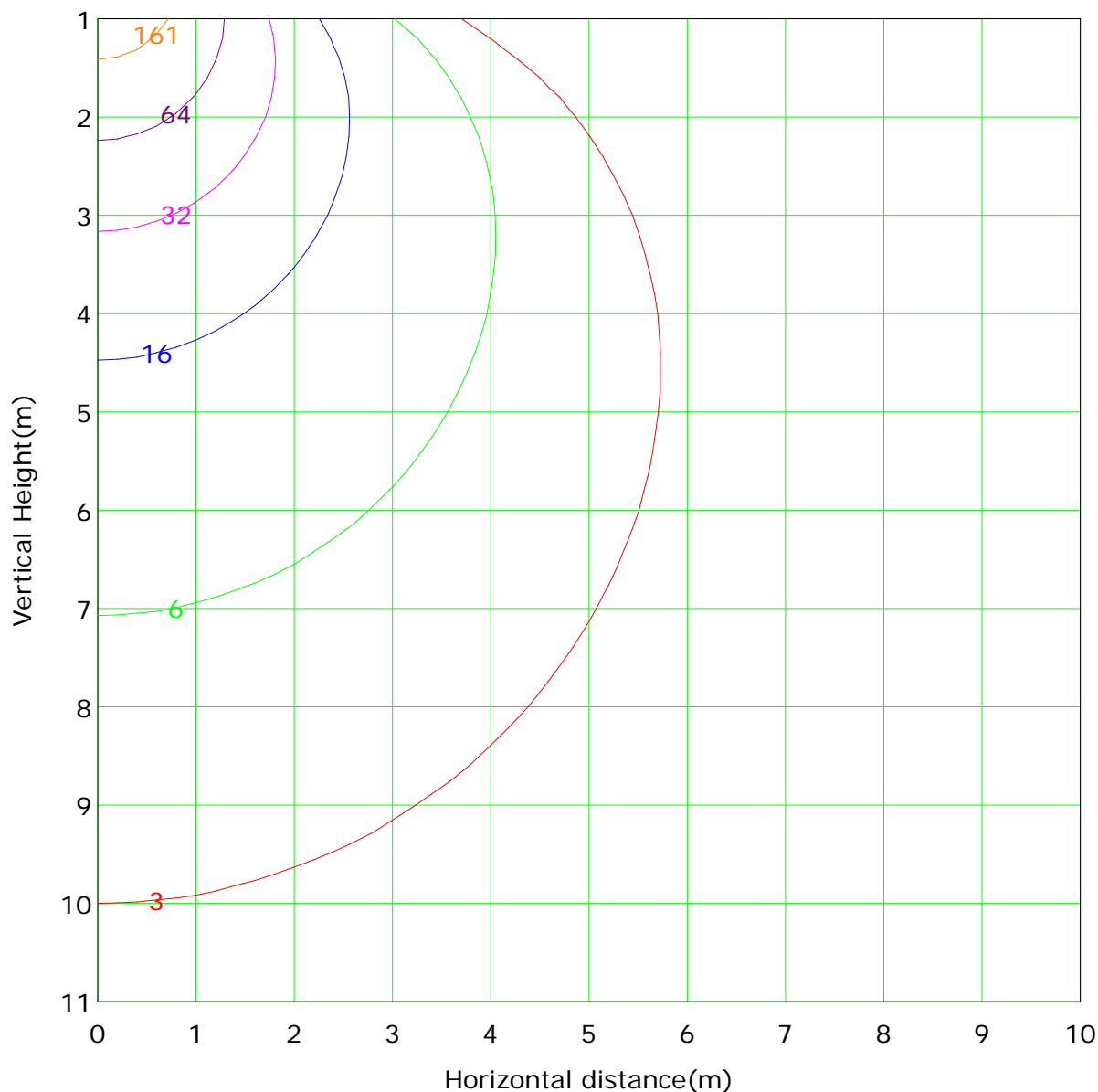
## Illuminance at a Distance



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: 321.2 lx
( 1%): 3.2 lx	( 2%): 6.4 lx	
( 5%): 16.1 lx	( 10%): 32.1 lx	
( 20%): 64.2 lx	( 50%): 160.6 lx	
(100%): 321.2 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

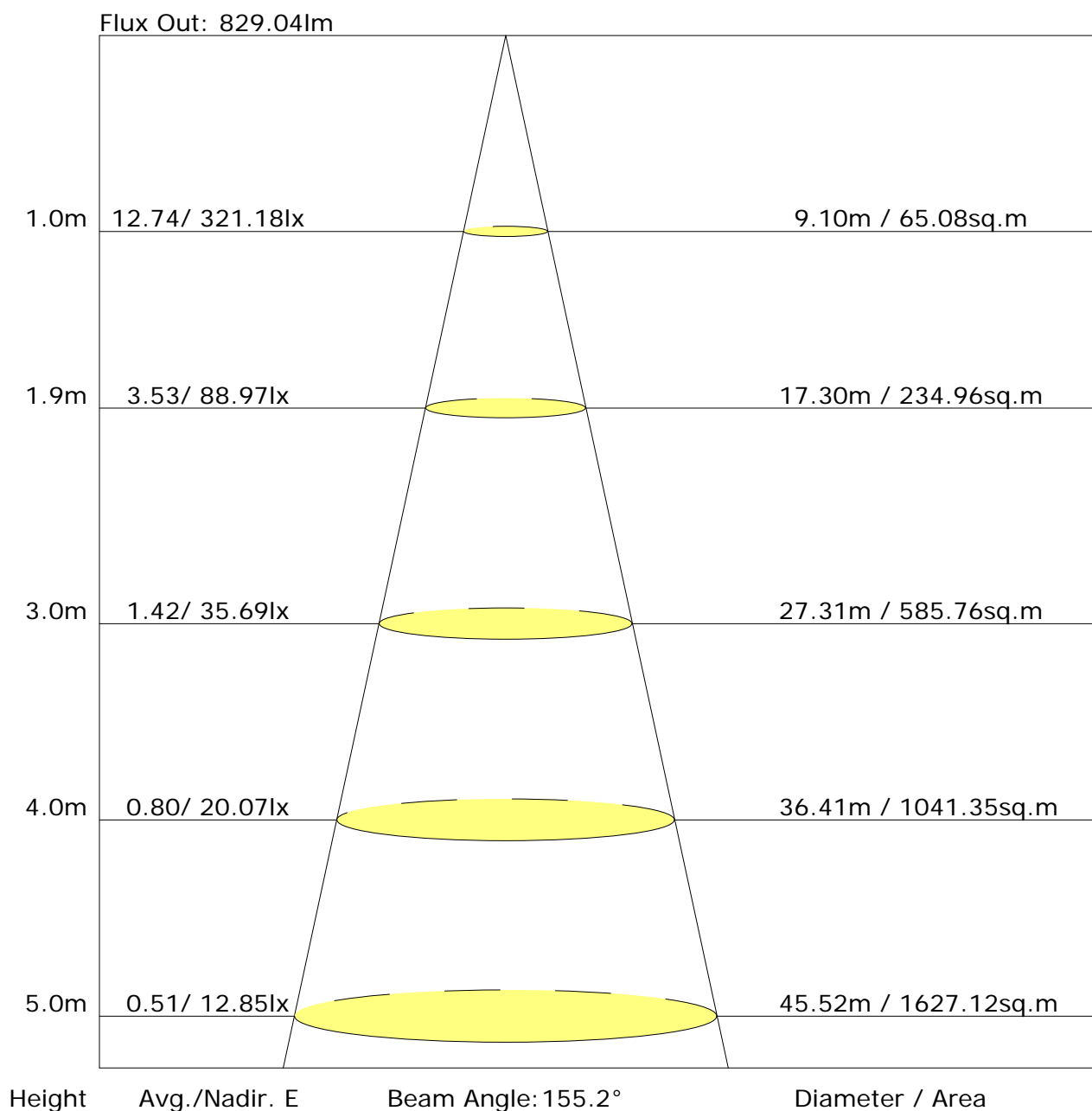
Unit: lm

Vertical plane	Horizontal plane																		Flux(T)	Flux(E)	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80			90
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
-80	0.0	0.0	0.1	0.2	0.5	0.7	1.0	1.2	1.3	1.3	1.2	1.0	0.7	0.5	0.2	0.1	0.0	0.0	0.0	9.7	6.5
-70	0.0	0.0	0.3	0.7	1.2	1.8	2.3	2.7	2.9	2.9	2.7	2.3	1.8	1.2	0.7	0.3	0.0	0.0	0.0	23.7	22.9
-60	0.0	0.1	0.5	1.2	2.0	2.8	3.6	4.2	4.4	4.5	4.2	3.6	2.9	2.0	1.2	0.7	0.3	0.1	0.0	37.7	37.4
-50	0.0	0.2	0.8	1.6	2.7	3.8	4.8	5.5	5.9	5.9	5.5	4.8	3.8	2.7	1.7	0.8	0.2	0.0	0.0	50.6	50.3
-40	0.0	0.3	1.0	2.0	3.3	4.6	5.8	6.7	7.2	7.2	6.7	5.8	4.6	3.3	2.1	1.0	0.3	0.0	0.0	61.8	61.6
-30	0.0	0.3	1.1	2.3	3.8	5.3	6.6	7.7	8.3	8.3	7.7	6.7	5.3	3.8	2.4	1.2	0.3	0.0	0.0	71.0	70.9
-20	0.0	0.4	1.2	2.5	4.1	5.7	7.3	8.4	9.1	9.1	8.5	7.3	5.8	4.1	2.6	1.3	0.4	0.0	0.0	77.7	77.6
-10	0.0	0.4	1.3	2.7	4.3	6.0	7.6	8.8	9.5	9.5	8.9	7.6	6.0	4.3	2.7	1.3	0.4	0.0	0.0	81.4	81.3
0	0.0	0.4	1.3	2.7	4.3	6.0	7.6	8.9	9.6	9.6	8.9	7.6	6.0	4.3	2.7	1.3	0.4	0.0	0.0	81.6	81.5
10	0.0	0.4	1.2	2.6	4.1	5.8	7.3	8.5	9.2	9.2	8.5	7.3	5.8	4.2	2.6	1.3	0.4	0.0	0.0	78.3	78.2
20	0.0	0.3	1.1	2.4	3.8	5.3	6.7	7.8	8.4	8.4	7.8	6.7	5.4	3.9	2.4	1.2	0.3	0.0	0.0	72.0	71.8
30	0.0	0.3	1.0	2.1	3.4	4.7	5.9	6.8	7.4	7.4	6.9	5.9	4.7	3.4	2.1	1.0	0.3	0.0	0.0	63.1	63.0
40	0.0	0.2	0.8	1.7	2.8	3.9	4.9	5.7	6.1	6.1	5.7	4.9	3.9	2.8	1.7	0.8	0.2	0.0	0.0	52.3	52.1
50	0.0	0.1	0.6	1.2	2.1	3.0	3.8	4.4	4.7	4.7	4.4	3.8	3.0	2.1	1.3	0.6	0.1	0.0	0.0	39.9	39.6
60	0.0	0.0	0.3	0.8	1.3	2.0	2.5	2.9	3.2	3.2	3.0	2.5	2.0	1.4	0.8	0.3	0.1	0.0	0.0	26.2	25.5
70	0.0	0.0	0.1	0.3	0.6	0.9	1.2	1.4	1.6	1.6	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	0.0	12.2	9.6
80	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
90	0.1	3.4	12.6	26.9	44.2	62.3	79.0	91.9	98.9	99.0	92.2	79.4	62.8	44.7	27.3	12.9	3.4	0.1	841		
Flux(E)	0.0	2.4	11.9	26.2	43.5	61.7	78.4	91.2	98.3	98.4	91.5	78.8	62.2	44.0	26.7	12.2	2.5	0.0		830	

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	20.6	22.0	20.9	22.2	22.5	20.6	21.9	20.9	22.1	22.4
3H	22.0	23.3	22.4	23.5	23.8	22.0	23.2	22.3	23.5	23.7
4H	22.5	23.6	22.8	23.9	24.2	22.4	23.6	22.8	23.9	24.2
6H	22.7	23.8	23.1	24.1	24.4	22.7	23.8	23.0	24.1	24.4
8H	22.7	23.7	23.1	24.1	24.4	22.7	23.8	23.1	24.1	24.4
12H	22.7	23.7	23.1	24.0	24.3	22.7	23.7	23.1	24.0	24.4
X=4H Y=2H	21.3	22.4	21.6	22.7	23.0	21.2	22.4	21.5	22.7	22.9
3H	22.8	23.8	23.2	24.2	24.5	22.8	23.8	23.1	24.1	24.4
4H	23.4	24.3	23.8	24.6	25.0	23.3	24.2	23.8	24.6	25.0
6H	23.7	24.5	24.1	24.8	25.2	23.7	24.5	24.1	24.8	25.2
8H	23.7	24.4	24.1	24.8	25.2	23.7	24.5	24.2	24.9	25.3
12H	23.7	24.3	24.1	24.7	25.2	23.7	24.4	24.2	24.8	25.2
X=8H Y=4H	23.6	24.3	24.0	24.7	25.1	23.6	24.3	24.0	24.7	25.1
6H	24.0	24.5	24.4	25.0	25.4	24.0	24.5	24.4	25.0	25.4
8H	24.0	24.5	24.5	25.0	25.5	24.1	24.6	24.5	25.0	25.5
12H	24.0	24.4	24.5	24.9	25.4	24.1	24.5	24.5	25.0	25.5
X=12H Y=4H	23.6	24.2	24.0	24.7	25.1	23.6	24.2	24.0	24.6	25.1
6H	24.0	24.5	24.4	24.9	25.4	24.0	24.5	24.5	24.9	25.4
8H	24.0	24.5	24.5	24.9	25.4	24.1	24.5	24.6	25.0	25.5
Variations with the observer position at spacings:										
S=1.0H	+0.1/-0.2					+0.2/-0.2				
S=1.5H	+0.3/-0.5					+0.4/-0.6				
S=2.0H	+0.6/-0.9					+0.6/-1.1				

Calculate in accordance with CIE Pub.117. The table is revised with 841lm ( $8\log(F/F_0) = -0.6$ ).

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	0.62	0.70	0.78	0.83	0.90	0.95	0.98	1.02	1.05
	0.30		0.55	0.63	0.71	0.77	0.84	0.90	0.93	0.98	1.02
	0.20		0.50	0.58	0.66	0.72	0.80	0.85	0.90	0.95	0.99
0.50	0.50	0.20	0.60	0.68	0.75	0.80	0.87	0.91	0.94	0.98	1.01
	0.30		0.54	0.62	0.70	0.75	0.82	0.87	0.91	0.95	0.98
	0.20		0.49	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.96
0.30	0.50	0.20	0.59	0.67	0.73	0.78	0.84	0.88	0.91	0.95	0.97
	0.30		0.53	0.61	0.68	0.73	0.80	0.85	0.88	0.92	0.95
	0.20		0.49	0.57	0.64	0.69	0.77	0.82	0.85	0.90	0.93
0.00	0.00	0.00	0.47	0.54	0.61	0.66	0.73	0.78	0.81	0.86	0.88
<p>Rating: 8W 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	0.91	0.77	0.65	0.56	0.44	0.36	0.31	0.24	0.19	
	0.30		0.76	0.66	0.56	0.49	0.40	0.33	0.29	0.22	0.18	
	0.20		0.65	0.57	0.50	0.44	0.36	0.31	0.27	0.21	0.17	
0.50	0.50	0.20	0.88	0.74	0.62	0.53	0.42	0.38	0.29	0.22	0.18	
	0.30		0.74	0.64	0.55	0.48	0.38	0.32	0.27	0.21	0.17	
	0.20		0.65	0.57	0.49	0.43	0.35	0.30	0.26	0.20	0.17	
0.30	0.50	0.20	0.85	0.71	0.59	0.51	0.40	0.33	0.28	0.21	0.17	
	0.30		0.73	0.63	0.53	0.46	0.37	0.31	0.26	0.20	0.16	
	0.20		0.64	0.56	0.48	0.42	0.34	0.29	0.25	0.19	0.16	
0.00	0.00	0.00	0.53	0.46	0.39	0.34	0.27	0.22	0.19	0.14	0.12	
Rating:8W 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(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	0.17	0.18	0.19	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	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	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	0.13	0.14	0.15	0.17
0.30	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.19	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	0.14	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rating:8W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	320.2	0.3	0.3	0.04	0.04
1.0-2.0	320.1	0.9	1.2	0.11	0.15
2.0-3.0	319.7	1.5	2.8	0.18	0.33
3.0-4.0	319.3	2.1	4.9	0.25	0.58
4.0-5.0	318.8	2.7	7.6	0.33	0.91
5.0-6.0	318.0	3.3	11.0	0.40	1.30
6.0-7.0	317.1	3.9	14.9	0.47	1.77
7.0-8.0	316.0	4.5	19.4	0.54	2.31
8.0-9.0	315.0	5.1	24.5	0.61	2.92
9.0-10.0	313.7	5.7	30.2	0.67	3.59
10.0-11.0	312.2	6.2	36.5	0.74	4.33
11.0-12.0	310.6	6.8	43.3	0.81	5.14
12.0-13.0	308.8	7.3	50.6	0.87	6.01
13.0-14.0	307.0	7.9	58.4	0.93	6.94
14.0-15.0	305.2	8.4	66.8	1.00	7.94
15.0-16.0	303.1	8.9	75.7	1.06	9.00
16.0-17.0	300.8	9.4	85.1	1.11	10.11
17.0-18.0	298.5	9.8	94.9	1.17	11.28
18.0-19.0	296.1	10.3	105.2	1.22	12.50
19.0-20.0	293.6	10.7	116.0	1.28	13.78
20.0-21.0	290.9	11.2	127.1	1.33	15.11
21.0-22.0	288.1	11.6	138.7	1.38	16.48
22.0-23.0	285.3	12.0	150.7	1.42	17.91
23.0-24.0	282.4	12.4	163.0	1.47	19.37
24.0-25.0	279.4	12.7	175.7	1.51	20.88
25.0-26.0	276.2	13.0	188.8	1.55	22.43
26.0-27.0	273.0	13.4	202.1	1.59	24.02
27.0-28.0	269.7	13.7	215.8	1.62	25.64
28.0-29.0	266.2	13.9	229.7	1.66	27.30
29.0-30.0	262.7	14.2	243.9	1.69	28.99
30.0-31.0	259.1	14.4	258.3	1.71	30.70
31.0-32.0	255.4	14.6	273.0	1.74	32.44
32.0-33.0	251.7	14.8	287.8	1.76	34.20
33.0-34.0	248.0	15.0	302.8	1.78	35.99
34.0-35.0	244.1	15.2	318.0	1.80	37.79
35.0-36.0	240.3	15.3	333.3	1.82	39.61

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	236.3	15.4	348.7	1.83	41.44
37.0-38.0	232.2	15.5	364.2	1.84	43.28
38.0-39.0	228.2	15.6	379.8	1.85	45.13
39.0-40.0	224.0	15.6	395.4	1.86	46.99
40.0-41.0	219.8	15.7	411.0	1.86	48.85
41.0-42.0	215.5	15.7	426.7	1.86	50.71
42.0-43.0	211.3	15.7	442.4	1.86	52.57
43.0-44.0	206.8	15.6	458.0	1.86	54.42
44.0-45.0	202.4	15.6	473.5	1.85	56.27
45.0-46.0	198.1	15.5	489.0	1.84	58.11
46.0-47.0	193.7	15.4	504.4	1.83	59.95
47.0-48.0	189.0	15.3	519.7	1.82	61.76
48.0-49.0	184.3	15.1	534.9	1.80	63.56
49.0-50.0	179.6	15.0	549.8	1.78	65.34
50.0-51.0	174.8	14.8	564.6	1.76	67.10
51.0-52.0	170.0	14.6	579.2	1.73	68.83
52.0-53.0	165.3	14.4	593.6	1.71	70.54
53.0-54.0	160.4	14.1	607.7	1.68	72.22
54.0-55.0	155.6	13.9	621.6	1.65	73.87
55.0-56.0	150.7	13.6	635.2	1.62	75.49
56.0-57.0	145.6	13.3	648.6	1.58	77.07
57.0-58.0	140.5	13.0	661.6	1.54	78.62
58.0-59.0	135.5	12.7	674.2	1.51	80.12
59.0-60.0	130.3	12.3	686.5	1.46	81.59
60.0-61.0	125.2	11.9	698.5	1.42	83.01
61.0-62.0	120.0	11.6	710.0	1.37	84.38
62.0-63.0	114.6	11.1	721.2	1.32	85.70
63.0-64.0	109.2	10.7	731.9	1.27	86.98
64.0-65.0	103.9	10.3	742.2	1.22	88.20
65.0-66.0	98.5	9.8	752.0	1.17	89.37
66.0-67.0	93.1	9.4	761.4	1.11	90.48
67.0-68.0	87.7	8.9	770.3	1.06	91.54
68.0-69.0	82.3	8.4	778.7	1.00	92.53
69.0-70.0	76.9	7.9	786.6	0.94	93.47
70.0-71.0	71.2	7.4	793.9	0.88	94.35
71.0-72.0	65.6	6.8	800.7	0.81	95.16

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	321.2	319.3	321.2	319.3	321.2					
G1.0	321.1	319.3	321.4	319.2	321.1					
G2.0	320.9	319.3	321.0	318.9	320.9					
G3.0	320.2	319.0	320.2	318.3	320.2					
G4.0	320.0	318.6	320.1	317.8	320.0					
G5.0	319.8	318.0	318.8	317.0	319.8					
G6.0	318.7	317.2	318.3	316.2	318.7					
G7.0	317.8	316.5	316.9	315.1	317.8					
G8.0	316.1	315.5	316.6	314.0	316.1					
G9.0	315.1	314.4	315.9	312.6	315.1					
G10.0	313.5	313.1	314.0	311.3	313.5					
G11.0	312.1	311.8	312.4	309.6	312.1					
G12.0	310.4	310.2	310.2	307.8	310.4					
G13.0	308.9	308.6	308.2	306.0	308.9					
G14.0	307.0	306.7	306.5	304.1	307.0					
G15.0	305.7	305.0	304.5	301.9	305.7					
G16.0	303.3	302.8	301.7	299.7	303.3					
G17.0	301.3	300.6	299.5	297.4	301.3					
G18.0	298.3	298.3	297.3	295.0	298.3					
G19.0	295.8	296.0	295.4	292.3	295.8					
G20.0	293.2	293.5	293.0	289.7	293.2					
G21.0	290.6	290.9	289.4	286.9	290.6					
G22.0	288.5	288.1	286.6	284.0	288.5					
G23.0	285.6	285.3	283.5	281.0	285.6					
G24.0	282.8	282.4	281.2	277.8	282.8					
G25.0	279.2	279.3	278.1	274.8	279.2					
G26.0	275.8	276.4	274.9	271.4	275.8					
G27.0	272.8	273.0	271.9	268.0	272.8					
G28.0	269.8	269.7	267.6	264.5	269.8					
G29.0	266.2	266.4	264.4	261.1	266.2					
G30.0	262.6	263.0	260.7	257.5	262.6					
G31.0	258.7	259.5	257.1	253.8	258.7					
G32.0	255.1	255.8	253.5	250.0	255.1					
G33.0	251.5	252.2	249.6	246.3	251.5					
G34.0	247.9	248.3	245.8	242.2	247.9					
G35.0	243.6	244.6	242.0	238.4	243.6					
G36.0	240.1	240.9	238.1	234.3	240.1					

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:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	235.8	236.8	233.9	230.3	235.8					
G38.0	232.2	232.9	230.0	226.1	232.2					
G39.0	227.7	228.8	225.7	221.9	227.7					
G40.0	223.5	224.8	221.6	217.6	223.5					
G41.0	219.5	220.5	217.3	213.3	219.5					
G42.0	215.4	216.4	213.1	208.9	215.4					
G43.0	211.1	212.1	208.6	204.6	211.1					
G44.0	206.4	207.8	204.2	200.1	206.4					
G45.0	202.3	203.4	199.8	195.6	202.3					
G46.0	197.6	199.0	196.3	190.9	197.6					
G47.0	192.8	194.5	192.3	186.4	192.8					
G48.0	188.3	190.2	186.3	181.7	188.3					
G49.0	184.0	185.4	181.4	176.9	184.0					
G50.0	179.3	180.9	176.7	172.1	179.3					
G51.0	174.3	176.1	172.0	167.3	174.3					
G52.0	169.7	171.6	167.1	162.3	169.7					
G53.0	164.9	166.9	162.3	157.5	164.9					
G54.0	159.8	162.1	157.4	152.5	159.8					
G55.0	155.6	157.3	152.5	147.6	155.6					
G56.0	150.1	152.5	147.3	142.4	150.1					
G57.0	145.1	147.5	142.4	137.5	145.1					
G58.0	139.8	142.5	137.3	132.2	139.8					
G59.0	135.0	137.6	132.2	127.1	135.0					
G60.0	129.5	132.6	126.8	121.8	129.5					
G61.0	124.8	127.5	121.7	116.6	124.8					
G62.0	119.3	122.4	116.4	111.3	119.3					
G63.0	113.8	117.1	110.9	105.7	113.8					
G64.0	108.3	111.9	105.6	100.3	108.3					
G65.0	103.1	106.5	100.3	95.0	103.1					
G66.0	97.7	101.1	94.7	89.5	97.7					
G67.0	92.3	95.9	89.3	84.0	92.3					
G68.0	87.0	90.4	83.9	78.6	87.0					
G69.0	81.6	85.0	78.7	73.1	81.6					
G70.0	76.0	79.8	73.1	67.8	76.0					
G71.0	68.7	74.4	67.7	62.3	68.7					
G72.0	63.1	68.9	62.2	57.0	63.1					
G73.0	57.6	63.7	56.8	51.8	57.6					

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:

## 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: