

Report No.: LE-08TR HUGO 35W 36D

Test Time: 2019-01-27 00:01

## Luminaire Property

Luminaire Category:

Lamp Description: CREE CCT4000 RA90 Number of Lamps: 1

Lumens per Lamp: 3629

Width (mm): 102

Height (mm): 225

Voltage: 2.2 V

Current: 0.000 A

Power: 0.00 W

Power Factor: 0.000

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3629.0 lm

Measurement Flux: 3320.1 lm

Efficiency: 91.49%

Downward Ratio: 91.49%

Upward Ratio: 0.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 67.3, 67.3, 67.2, 67.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 34.8, 34.8, 34.9, 34.6

Luminaire Efficacy Rating (LER): 3320.15

Central Intensity: 7885.88 cd

Max. Intensity: 7885.88 cd

Pos of Max. Intensity: H0 V0

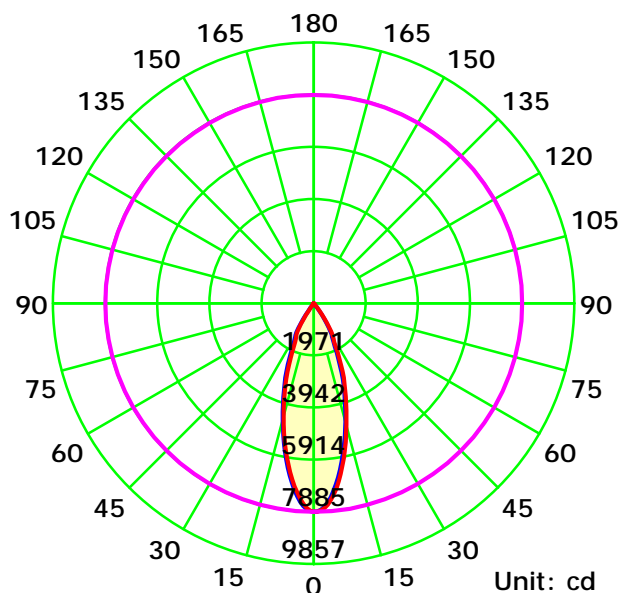
S/MH(C0/C180): 0.56

S/MH(C90/C270): 0.56

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 45.0

Gamma Plane (°):0.0-90.0: 1.0

Test Lab:

Test Device: CHL-6E

Test Type: TYPE C

Distance: 4.200 m

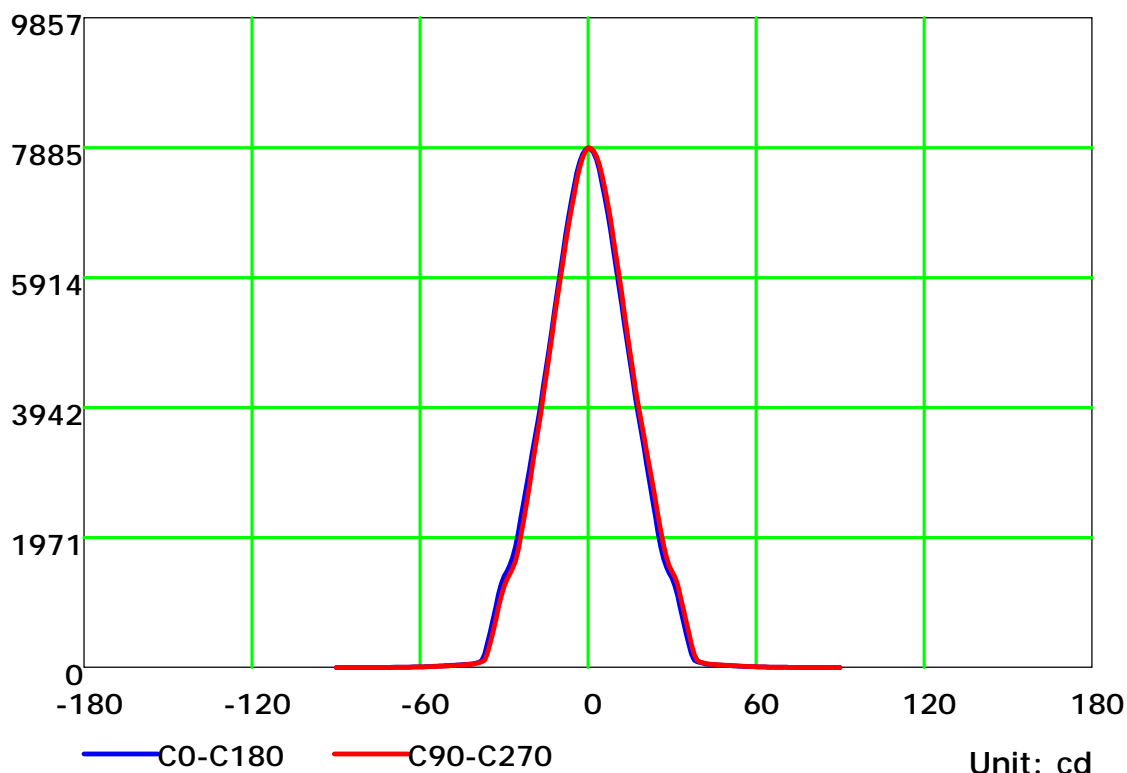
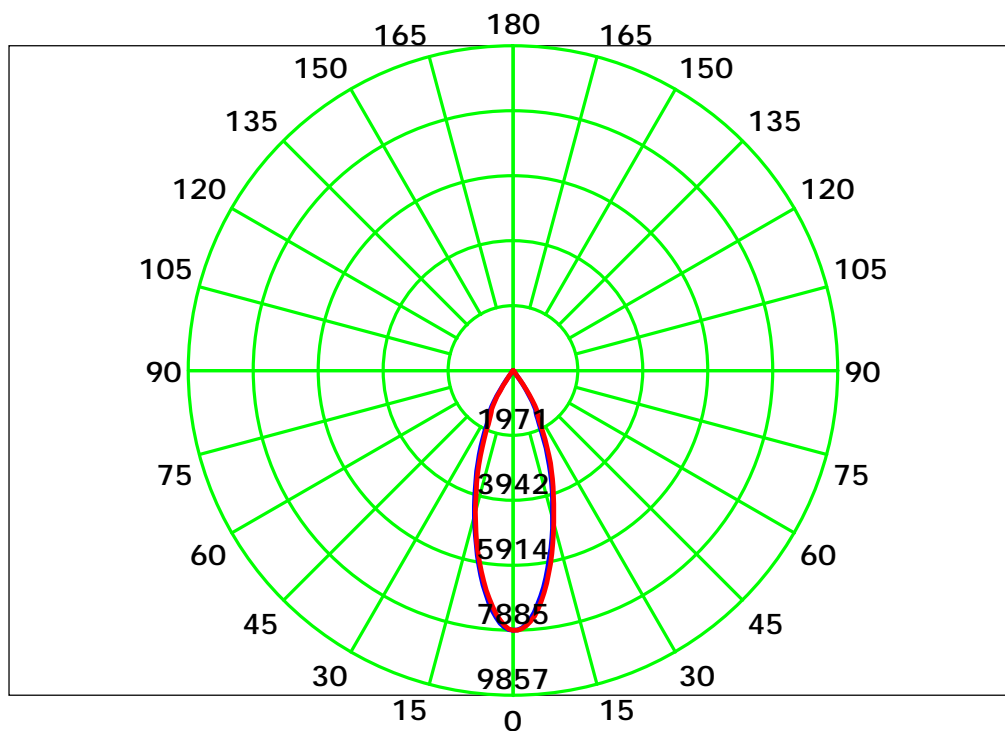
Temperature:

Humidity:

Operator:

Inspector:

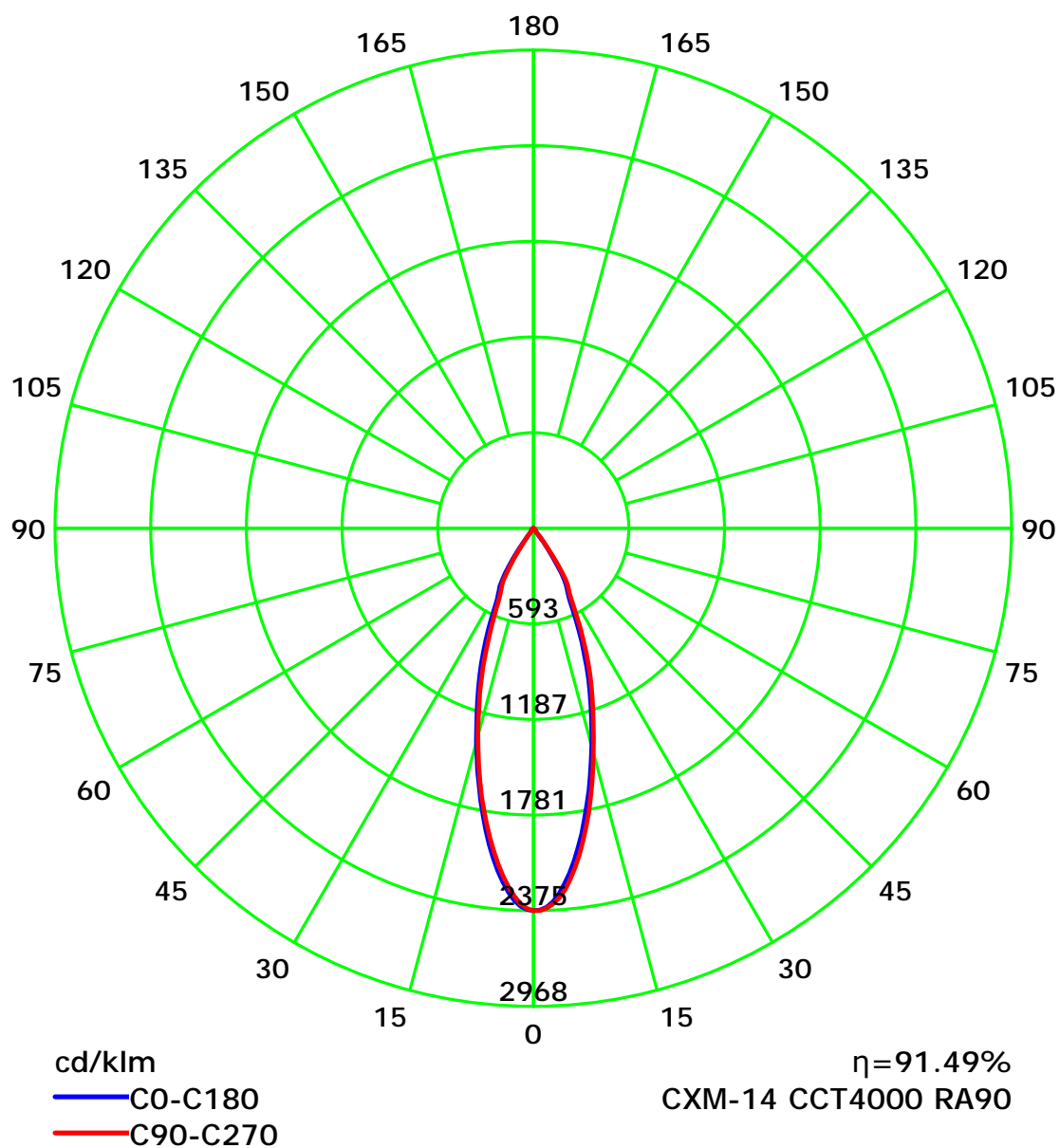
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 4.200 m  
Humidity:  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 Inspector:

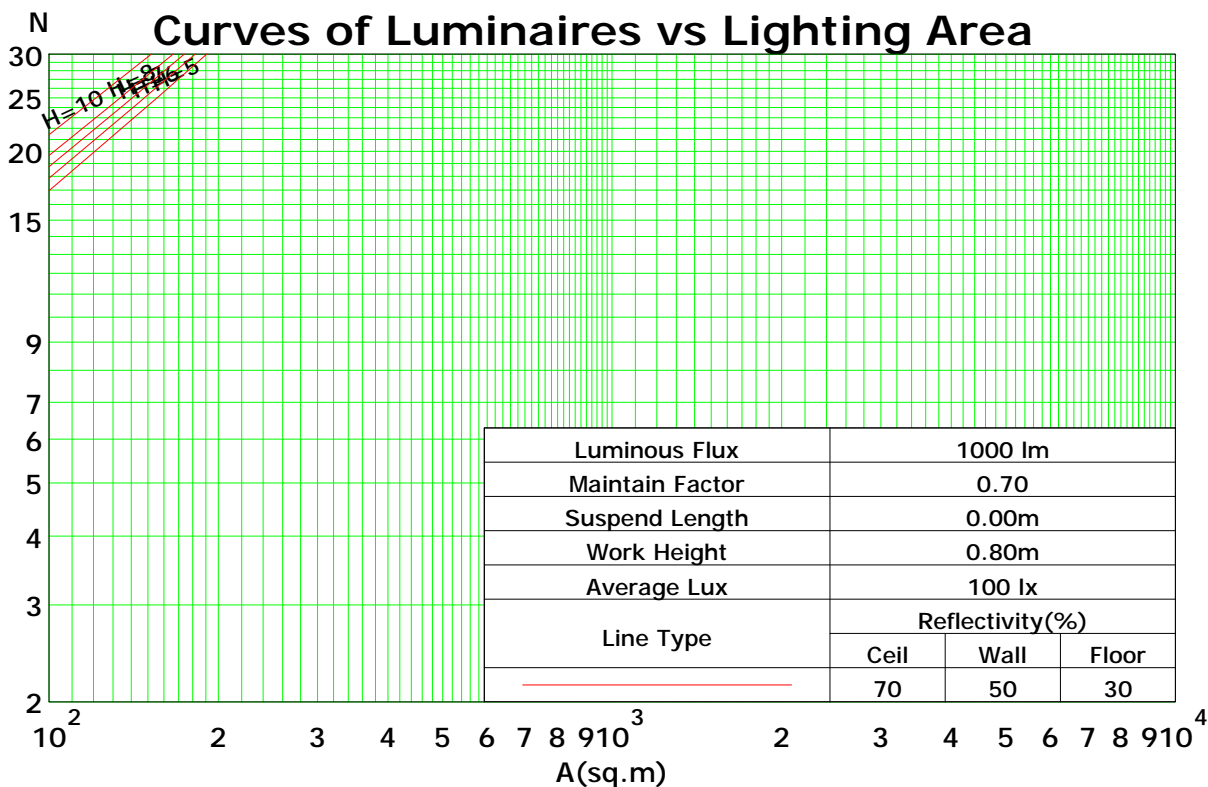
## Coefficients Of Utilization - Zonal Cavity Method

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	109	109	109	109	106	106	106	106	102	102	102	97	97	97	93	93	93	91
1	105	102	100	99	102	100	99	97	97	95	94	93	92	91	90	89	89	87
2	100	96	93	91	98	95	92	90	92	90	88	89	87	86	87	85	84	83
3	96	91	87	84	94	90	86	84	88	85	82	85	83	81	83	81	80	78
4	92	86	82	79	91	85	82	78	84	80	78	82	79	77	80	78	76	75
5	89	82	78	74	87	81	77	74	80	76	73	78	75	73	77	74	72	71
6	85	78	74	70	84	78	73	70	76	73	70	75	72	69	74	71	69	68
7	82	75	70	67	81	74	70	67	73	69	66	72	69	66	71	68	66	65
8	79	71	67	64	78	71	67	64	70	66	63	69	66	63	68	65	63	62
9	76	68	64	61	75	68	64	61	67	63	61	67	63	60	66	63	60	59
10	73	66	61	58	72	65	61	58	65	61	58	64	60	58	63	60	58	57

Spacing Criteria (0-180): 0.56

Spacing Criteria (90-270): 0.56

Spacing Criteria (Diagonal): 0.60



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

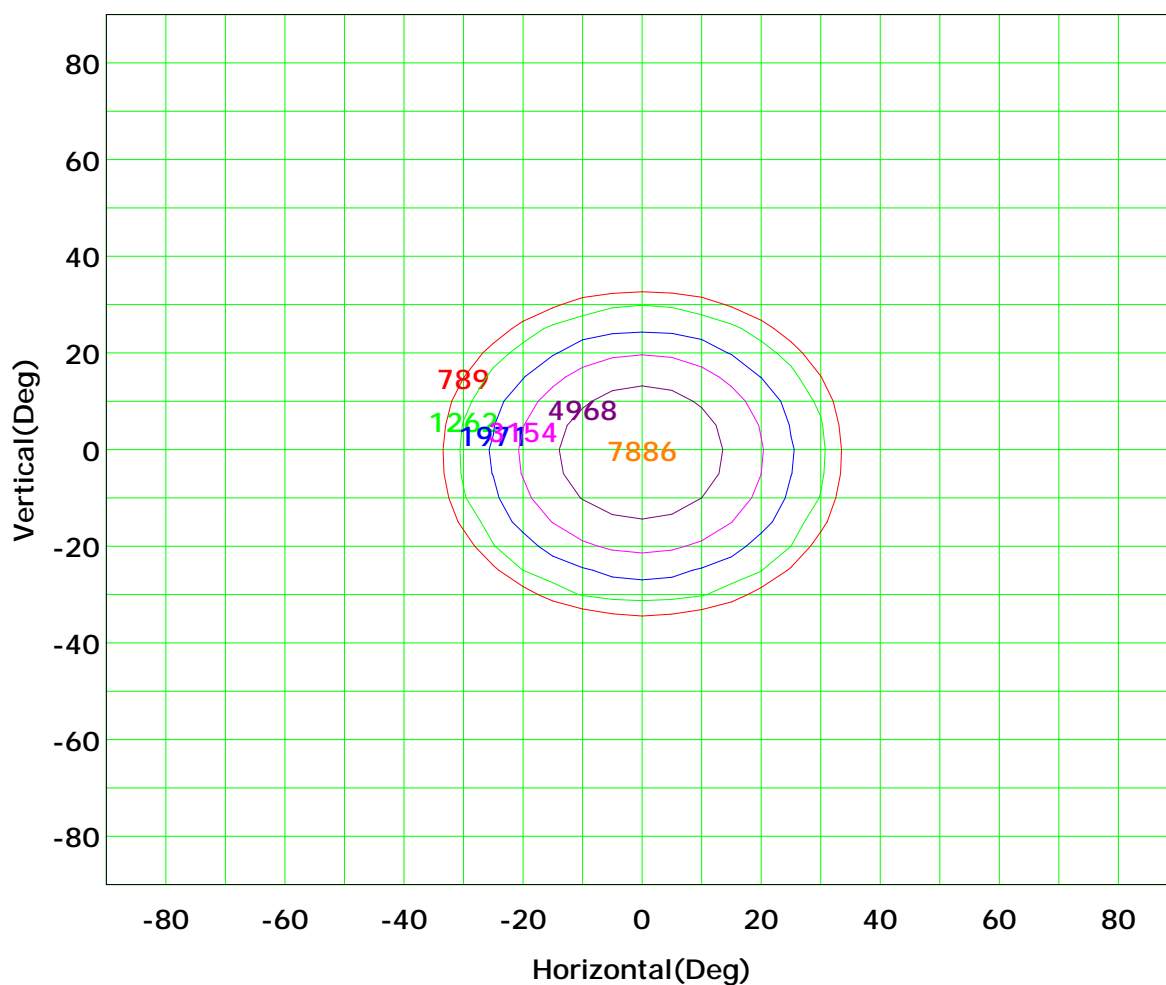
Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

## Isocandela (rectangle)



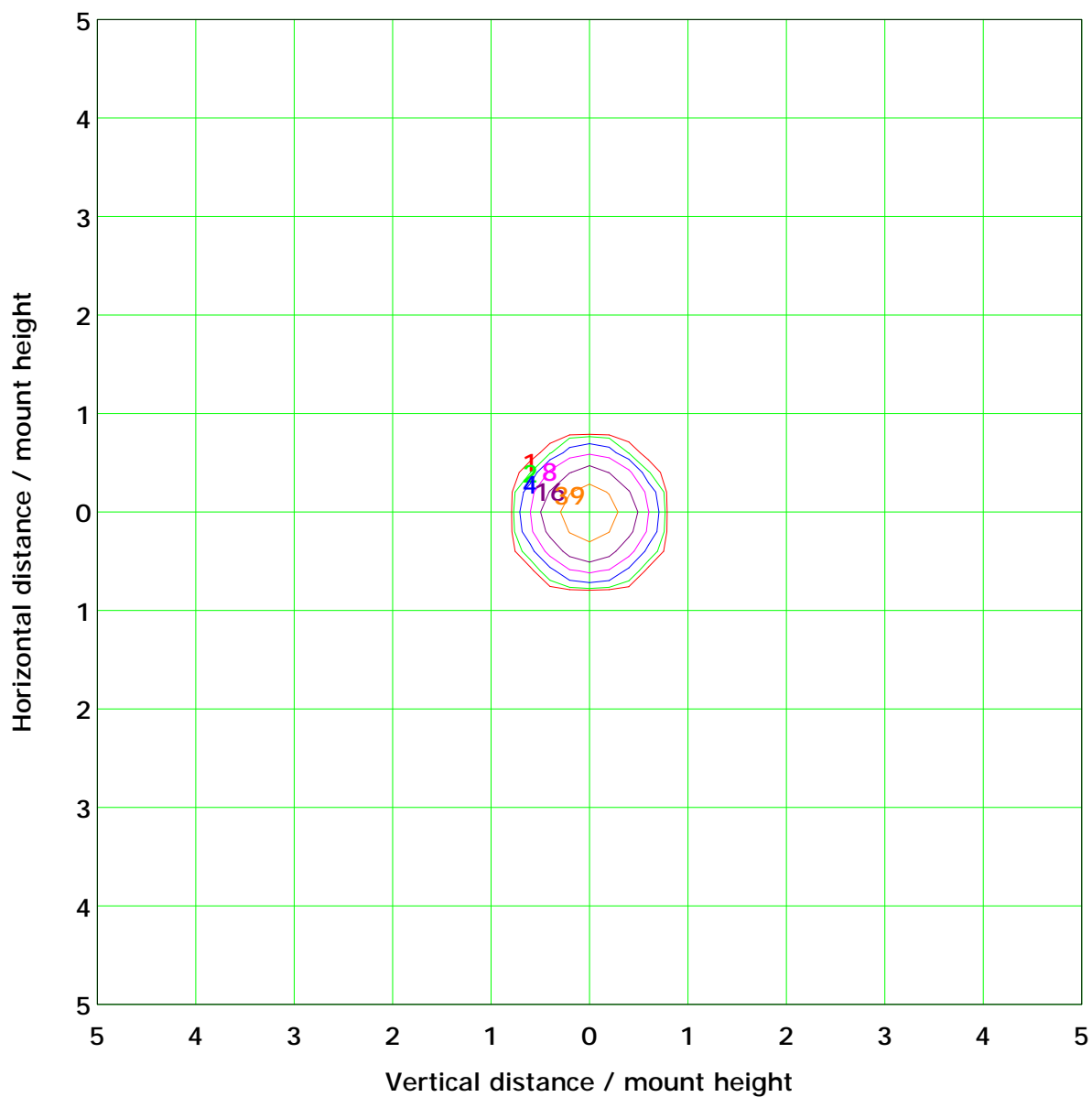
Imax (100%): 7886 cd

( 10%): 789 cd	( 16%): 1262 cd
( 25%): 1971 cd	( 40%): 3154 cd
( 63%): 4968 cd	(100%): 7886 cd

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 4.200 m  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 78.9 lx

( 1%): 0.8 lx	( 2%): 1.6 lx
( 5%): 3.9 lx	( 10%): 7.9 lx
( 20%): 15.8 lx	( 50%): 39.4 lx
(100%): 78.9 lx	

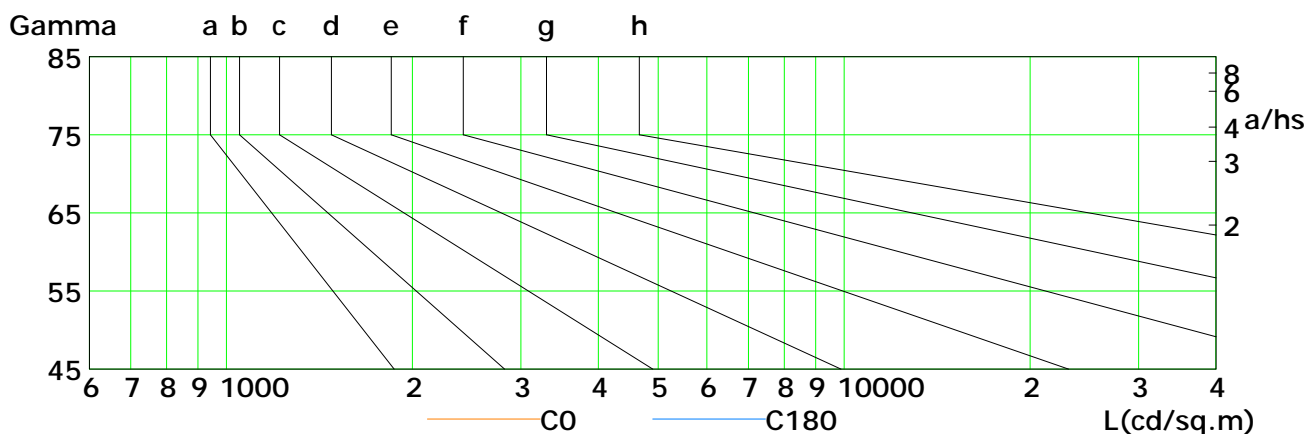
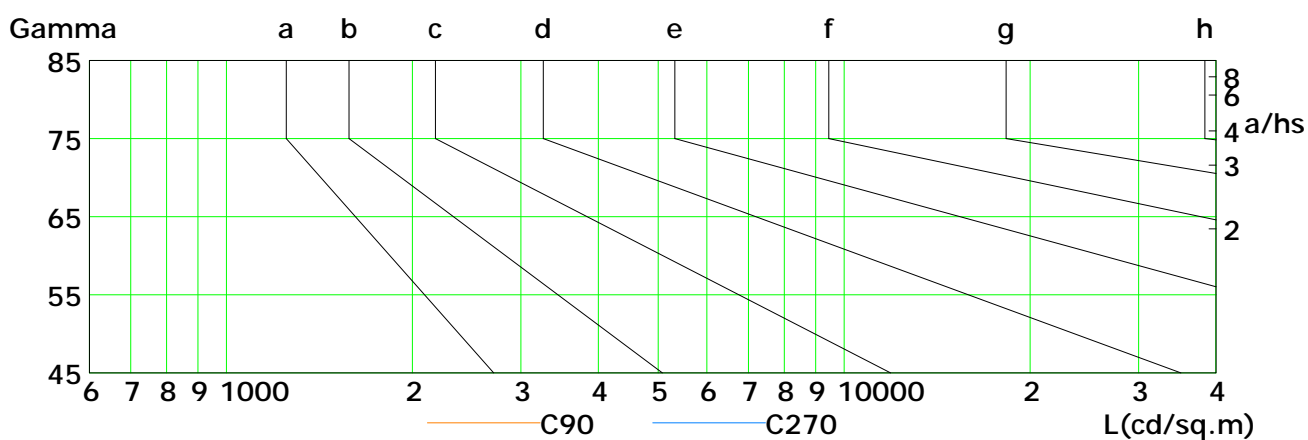
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 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	46	33	20	13	9	6	3	1	0
C90	50	35	23	15	9	7	4	3	2
C180	45	33	20	13	8	6	4	1	1
C270	42	29	18	12	8	5	2	2	1

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

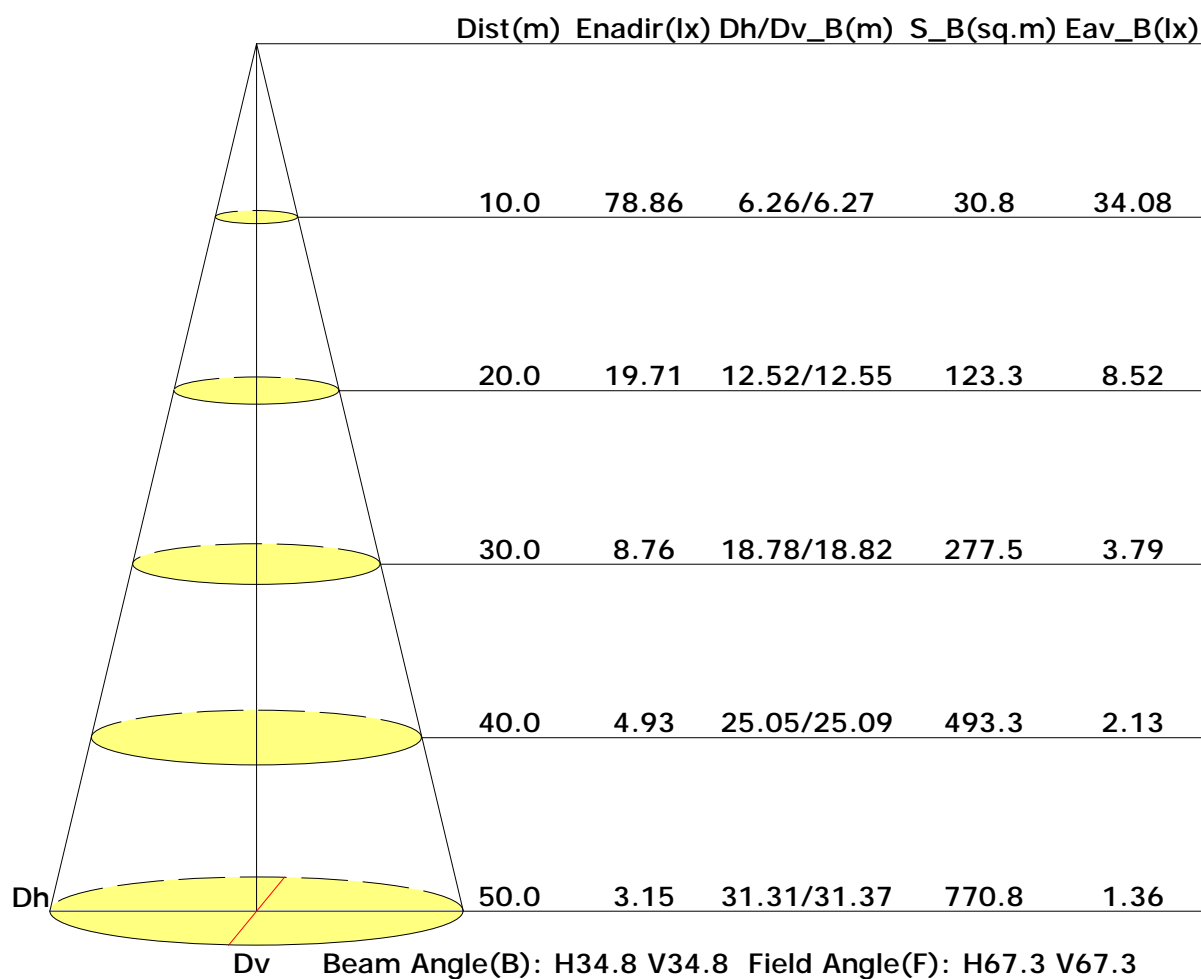
Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

## Illuminance at a Distance

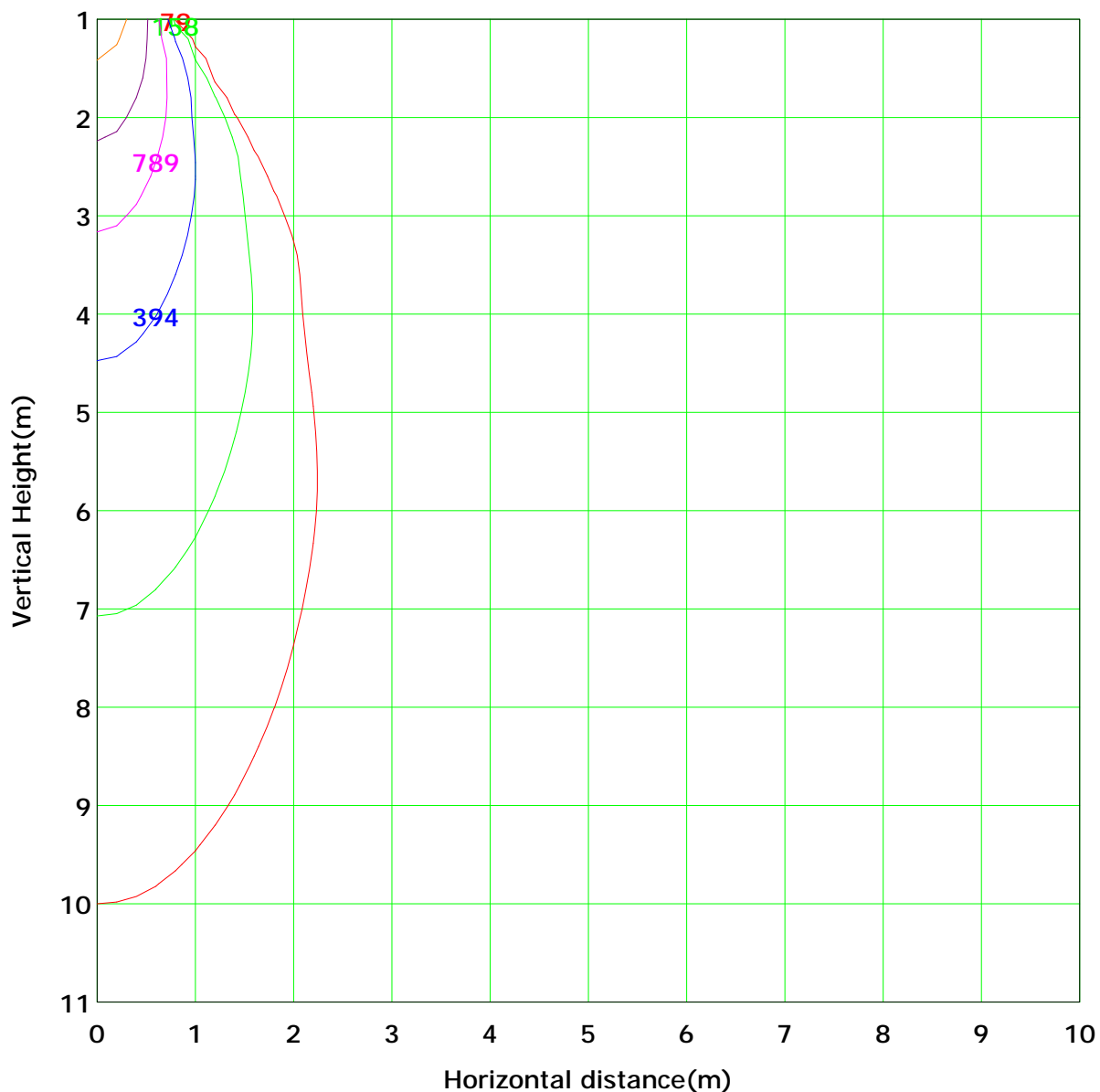


C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 Inspector:



## Vertical IsoLux Plot



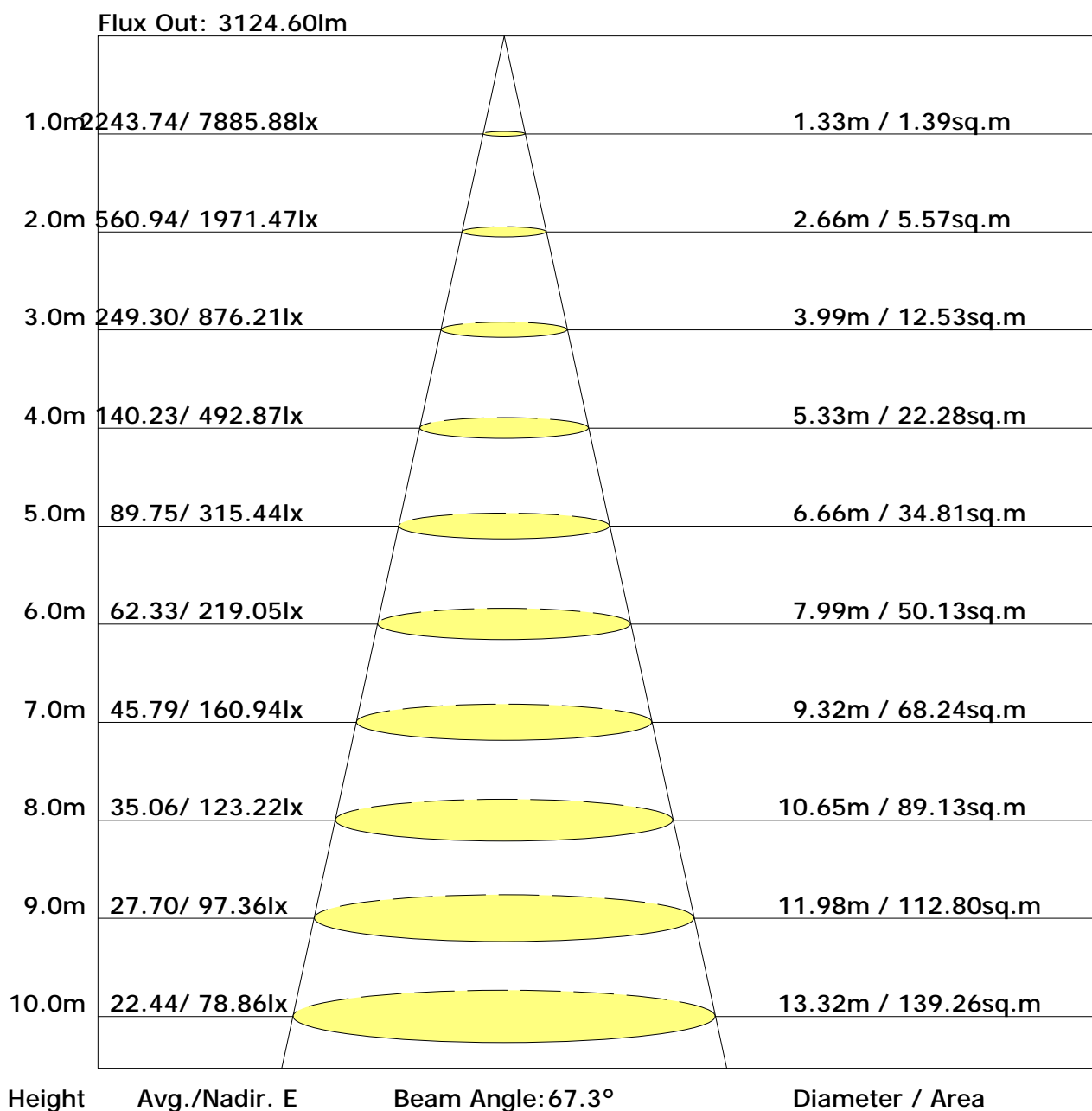
Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 7885.9 lx

( 1%): 78.9 lx	( 2%): 157.7 lx
( 5%): 394.3 lx	( 10%): 788.6 lx
( 20%): 1577.2 lx	( 50%): 3942.9 lx
(100%): 7885.9 lx	

C Plane (°): 0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 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	20.1	20.8	20.3	21.0	21.2	14.9	15.6	15.1	15.8	16.0
3H	20.0	20.6	20.2	20.8	21.1	14.8	15.4	15.0	15.7	15.9
4H	19.9	20.5	20.2	20.8	21.0	14.7	15.3	15.0	15.6	15.8
6H	19.8	20.4	20.1	20.7	21.0	14.6	15.2	14.9	15.5	15.8
8H	19.8	20.3	20.1	20.6	20.9	14.6	15.1	14.9	15.4	15.7
12H	19.7	20.3	20.1	20.6	20.9	14.5	15.1	14.9	15.4	15.7
X=4H Y=2H	19.9	20.5	20.2	20.7	21.0	14.7	15.3	15.0	15.6	15.8
3H	19.7	20.3	20.1	20.6	20.9	14.5	15.1	14.9	15.4	15.7
4H	19.7	20.1	20.0	20.5	20.8	14.5	14.9	14.8	15.3	15.6
6H	19.6	20.0	20.0	20.4	20.7	14.4	14.8	14.8	15.2	15.6
8H	19.5	19.9	19.9	20.3	20.7	14.3	14.7	14.8	15.1	15.5
12H	19.5	19.8	19.9	20.2	20.7	14.3	14.6	14.7	15.0	15.5
X=8H Y=4H	19.5	19.9	19.9	20.3	20.7	14.3	14.7	14.8	15.1	15.5
6H	19.4	19.7	19.9	20.2	20.6	14.2	14.6	14.7	15.0	15.4
8H	19.4	19.7	19.9	20.1	20.6	14.2	14.5	14.7	14.9	15.4
12H	19.3	19.6	19.8	20.0	20.5	14.2	14.4	14.6	14.9	15.3
X=12H Y=4H	19.5	19.8	19.9	20.2	20.7	14.3	14.6	14.7	15.0	15.5
6H	19.4	19.7	19.9	20.1	20.6	14.2	14.5	14.7	14.9	15.4
8H	19.3	19.6	19.8	20.0	20.5	14.2	14.4	14.6	14.9	15.4
Variations with the observer position at spacings:										
S=1.0H	+6.9/-14.1					+6.8/-11.6				
S=1.5H	+9.7/-16.5					+9.6/-13.7				
S=2.0H	+11.7/-18.6					+11.6/-15.4				

Calculate in accordance with CIE Pub.117. The table is revised with 3629lm ( $8\log(F/F_0) = 4.5$ ).

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 4.200 m  
Humidity:  
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	0.84	0.88	0.91	0.94	0.97	0.98	1.00	1.01	1.03
	0.30		0.80	0.85	0.88	0.91	0.94	0.96	0.98	1.00	1.01
	0.20		0.78	0.83	0.86	0.88	0.92	0.94	0.96	0.98	1.00
0.50	0.50	0.20	0.83	0.87	0.90	0.92	0.94	0.96	0.97	0.98	0.99
	0.30		0.80	0.84	0.87	0.89	0.92	0.94	0.95	0.97	0.98
	0.20		0.77	0.82	0.85	0.87	0.90	0.92	0.93	0.95	0.97
0.30	0.50	0.20	0.82	0.86	0.88	0.90	0.92	0.93	0.94	0.95	0.96
	0.30		0.79	0.83	0.86	0.88	0.90	0.91	0.92	0.94	0.95
	0.20		0.77	0.81	0.84	0.86	0.88	0.90	0.91	0.93	0.94
0.00	0.00	0.00	0.76	0.80	0.82	0.84	0.86	0.87	0.88	0.89	0.90
<p>Rating:0W 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 = 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	0.44	0.36	0.30	0.26	0.21	0.17	0.15	0.11	0.09
	0.30		0.37	0.30	0.26	0.23	0.19	0.16	0.13	0.11	0.09
	0.20		0.31	0.27	0.23	0.21	0.17	0.14	0.12	0.10	0.08
0.50	0.50	0.20	0.42	0.33	0.28	0.24	0.19	0.19	0.13	0.10	0.08
	0.30		0.35	0.29	0.25	0.21	0.17	0.14	0.12	0.10	0.08
	0.20		0.31	0.26	0.22	0.19	0.16	0.13	0.12	0.09	0.08
0.30	0.50	0.20	0.40	0.31	0.26	0.22	0.17	0.14	0.12	0.09	0.07
	0.30		0.34	0.28	0.23	0.20	0.16	0.13	0.11	0.09	0.07
	0.20		0.30	0.25	0.21	0.18	0.15	0.12	0.11	0.08	0.07
0.00	0.00	0.00	0.17	0.13	0.10	0.09	0.07	0.05	0.04	0.03	0.03
<p>Rating:0W 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 = 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	0.11	0.13	0.14	0.15	0.16	0.17	0.17	0.18	0.19
	0.30		0.08	0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.18
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.16	0.17
0.50	0.50	0.20	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.18
	0.30		0.08	0.10	0.11	0.12	0.13	0.15	0.15	0.16	0.17
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.15	0.16
0.30	0.50	0.20	0.10	0.12	0.13	0.14	0.15	0.16	0.16	0.17	0.17
	0.30		0.08	0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:0W 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>											

## 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	7871.7	7.5	7.5	0.21	0.21
1.0-2.0	7828.6	22.5	30.0	0.62	0.83
2.0-3.0	7739.4	37.0	67.0	1.02	1.85
3.0-4.0	7605.9	50.9	117.9	1.40	3.25
4.0-5.0	7432.7	64.0	181.9	1.76	5.01
5.0-6.0	7228.2	76.0	257.9	2.09	7.11
6.0-7.0	6999.8	86.9	344.8	2.39	9.50
7.0-8.0	6749.3	96.6	441.4	2.66	12.16
8.0-9.0	6482.3	105.1	546.4	2.90	15.06
9.0-10.0	6204.5	112.3	658.7	3.09	18.15
10.0-11.0	5918.4	118.3	777.0	3.26	21.41
11.0-12.0	5628.2	123.0	900.1	3.39	24.80
12.0-13.0	5336.2	126.7	1026.7	3.49	28.29
13.0-14.0	5041.9	129.1	1155.8	3.56	31.85
14.0-15.0	4747.0	130.3	1286.1	3.59	35.44
15.0-16.0	4457.1	130.6	1416.7	3.60	39.04
16.0-17.0	4176.4	130.1	1546.8	3.58	42.62
17.0-18.0	3908.2	128.9	1675.7	3.55	46.17
18.0-19.0	3651.8	127.1	1802.8	3.50	49.68
19.0-20.0	3401.1	124.5	1927.3	3.43	53.11
20.0-21.0	3150.9	121.0	2048.3	3.33	56.44
21.0-22.0	2900.4	116.6	2164.8	3.21	59.65
22.0-23.0	2650.7	111.2	2276.1	3.07	62.72
23.0-24.0	2405.1	105.2	2381.2	2.90	65.62
24.0-25.0	2167.5	98.6	2479.8	2.72	68.33
25.0-26.0	1946.5	91.9	2571.7	2.53	70.87
26.0-27.0	1756.2	85.9	2657.6	2.37	73.23
27.0-28.0	1606.6	81.4	2739.0	2.24	75.47
28.0-29.0	1495.7	78.3	2817.3	2.16	77.63
29.0-30.0	1403.6	75.8	2893.0	2.09	79.72
30.0-31.0	1300.9	72.4	2965.4	2.00	81.72
31.0-32.0	1166.7	66.8	3032.3	1.84	83.56
32.0-33.0	999.4	58.9	3091.2	1.62	85.18
33.0-34.0	813.9	49.3	3140.5	1.36	86.54
34.0-35.0	625.5	38.9	3179.3	1.07	87.61
35.0-36.0	445.4	28.4	3207.7	0.78	88.39

C Plane (°): 0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 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	288.4	18.8	3226.5	0.52	88.91
37.0-38.0	173.6	11.6	3238.1	0.32	89.23
38.0-39.0	109.3	7.5	3245.5	0.21	89.43
39.0-40.0	82.3	5.7	3251.3	0.16	89.59
40.0-41.0	70.5	5.0	3256.3	0.14	89.73
41.0-42.0	62.0	4.5	3260.8	0.12	89.85
42.0-43.0	55.5	4.1	3264.9	0.11	89.97
43.0-44.0	51.0	3.8	3268.8	0.11	90.07
44.0-45.0	47.5	3.7	3272.4	0.10	90.17
45.0-46.0	44.4	3.5	3275.9	0.10	90.27
46.0-47.0	41.4	3.3	3279.2	0.09	90.36
47.0-48.0	38.6	3.1	3282.3	0.09	90.45
48.0-49.0	35.9	3.0	3285.2	0.08	90.53
49.0-50.0	33.4	2.8	3288.0	0.08	90.60
50.0-51.0	30.9	2.6	3290.6	0.07	90.68
51.0-52.0	28.5	2.4	3293.1	0.07	90.74
52.0-53.0	26.0	2.3	3295.3	0.06	90.81
53.0-54.0	23.6	2.1	3297.4	0.06	90.86
54.0-55.0	21.5	1.9	3299.3	0.05	90.92
55.0-56.0	19.5	1.8	3301.1	0.05	90.96
56.0-57.0	17.7	1.6	3302.7	0.04	91.01
57.0-58.0	16.2	1.5	3304.2	0.04	91.05
58.0-59.0	14.9	1.4	3305.6	0.04	91.09
59.0-60.0	13.6	1.3	3306.9	0.04	91.12
60.0-61.0	12.4	1.2	3308.1	0.03	91.16
61.0-62.0	11.4	1.1	3309.2	0.03	91.19
62.0-63.0	10.5	1.0	3310.2	0.03	91.22
63.0-64.0	9.5	0.9	3311.1	0.03	91.24
64.0-65.0	8.8	0.9	3312.0	0.02	91.26
65.0-66.0	8.3	0.8	3312.8	0.02	91.29
66.0-67.0	7.5	0.8	3313.6	0.02	91.31
67.0-68.0	6.9	0.7	3314.3	0.02	91.33
68.0-69.0	6.4	0.6	3314.9	0.02	91.35
69.0-70.0	5.9	0.6	3315.5	0.02	91.36
70.0-71.0	5.4	0.6	3316.1	0.02	91.38
71.0-72.0	4.8	0.5	3316.6	0.01	91.39

C Plane (°): 0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
 Test Device: CHL-6E  
 Distance: 4.200 m  
 Humidity:  
 Inspector:



## Zonal Lumen (Continue 2)

[illegible]

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 4.200 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	7885.9	7883.3	7881.2	7879.1	7885.9	7883.3	7881.2	7879.1	7885.9	
G1.0	7871.2	7879.6	7881.2	7875.4	7858.1	7844.4	7839.2	7840.2	7871.2	
G2.0	7816.1	7835.0	7839.2	7833.9	7792.0	7761.5	7741.1	7748.9	7816.1	
G3.0	7711.2	7736.9	7756.8	7753.7	7677.1	7621.4	7594.7	7611.5	7711.2	
G4.0	7556.4	7606.8	7637.2	7632.5	7514.9	7443.6	7413.1	7426.8	7556.4	
G5.0	7361.2	7430.5	7477.7	7469.8	7312.9	7231.1	7194.4	7214.3	7361.2	
G6.0	7145.6	7227.9	7277.8	7264.1	7088.9	7008.1	6965.6	6980.8	7145.6	
G7.0	6906.8	7008.1	7049.0	7031.7	6839.1	6757.8	6716.4	6729.0	6906.8	
G8.0	6646.6	6757.8	6803.0	6773.0	6573.1	6489.2	6448.8	6458.8	6646.6	
G9.0	6375.9	6497.6	6532.2	6501.8	6296.6	6210.1	6177.0	6174.9	6375.9	
G10.0	6087.3	6226.3	6258.9	6213.7	6005.4	5929.4	5897.9	5886.9	6087.3	
G11.0	5797.1	5945.1	5972.4	5917.3	5711.6	5635.0	5617.7	5593.0	5797.1	
G12.0	5512.8	5659.7	5679.6	5614.0	5418.3	5345.4	5326.5	5305.0	5512.8	
G13.0	5226.3	5369.5	5382.1	5312.9	5130.3	5053.2	5030.6	5013.3	5226.3	
G14.0	4940.4	5078.3	5079.4	5013.3	4834.4	4758.3	4726.8	4721.0	4940.4	
G15.0	4648.1	4790.8	4782.4	4714.2	4548.9	4456.1	4427.7	4431.4	4648.1	
G16.0	4365.8	4509.1	4499.6	4430.9	4264.6	4163.8	4132.9	4146.5	4365.8	
G17.0	4092.5	4233.1	4229.4	4158.6	3991.2	3883.1	3852.7	3868.4	4092.5	
G18.0	3834.3	3963.9	3974.9	3903.1	3734.1	3618.2	3585.6	3607.7	3834.3	
G19.0	3585.1	3707.9	3733.1	3661.2	3487.5	3363.7	3317.5	3351.1	3585.1	
G20.0	3335.9	3462.3	3499.1	3431.4	3247.7	3105.6	3041.6	3087.2	3335.9	
G21.0	3079.3	3219.4	3269.3	3203.1	3007.4	2841.1	2768.7	2815.9	3079.3	
G22.0	2822.8	2973.3	3036.8	2973.9	2763.5	2584.6	2502.2	2545.2	2822.8	
G23.0	2563.0	2725.7	2797.6	2739.3	2516.9	2332.2	2245.6	2289.2	2563.0	
G24.0	2310.1	2477.5	2553.6	2499.0	2278.7	2096.6	2006.4	2049.9	2310.1	
G25.0	2063.6	2234.1	2312.3	2258.2	2046.8	1873.6	1792.3	1827.4	2063.6	
G26.0	1835.3	1997.4	2077.7	2030.0	1835.3	1688.4	1621.8	1650.1	1835.3	
G27.0	1652.2	1782.8	1853.2	1814.3	1665.8	1559.3	1506.9	1528.4	1652.2	
G28.0	1528.9	1622.8	1671.6	1639.1	1549.4	1465.9	1422.4	1442.3	1528.9	
G29.0	1440.2	1514.2	1547.3	1519.5	1463.8	1389.3	1347.9	1366.3	1440.2	
G30.0	1360.0	1431.3	1460.7	1436.0	1390.4	1292.3	1241.4	1256.6	1360.0	
G31.0	1243.5	1339.0	1376.8	1358.9	1272.9	1149.0	1093.4	1112.8	1243.5	
G32.0	1090.8	1205.2	1253.4	1235.1	1112.3	970.1	918.2	936.0	1090.8	
G33.0	905.6	1027.8	1087.1	1072.4	924.5	781.8	730.9	739.8	905.6	
G34.0	715.7	831.6	899.8	885.1	728.8	599.2	545.7	547.2	715.7	
G35.0	527.8	641.2	708.3	688.4	537.3	416.6	369.4	365.7	527.8	
G36.0	351.5	459.6	520.0	498.4	359.9	251.8	215.1	215.6	351.5	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	204.1	292.8	346.3	325.8	207.8	136.4	113.8	115.4	204.1	
G38.0	111.8	160.6	198.3	185.2	109.7	91.3	89.2	89.2	111.8	
G39.0	90.8	99.7	108.1	103.9	82.4	75.6	76.1	77.1	90.8	
G40.0	78.2	85.5	85.5	80.8	69.8	66.1	67.7	69.3	78.2	
G41.0	71.4	75.0	74.0	70.3	63.0	60.9	55.6	55.6	71.4	
G42.0	56.1	67.7	66.6	63.0	56.1	53.0	50.9	52.5	56.1	
G43.0	53.0	54.6	57.7	56.7	52.5	49.8	48.8	48.8	53.0	
G44.0	49.8	52.5	53.0	51.9	48.8	46.2	45.7	45.7	49.8	
G45.0	46.2	47.8	49.8	49.8	45.1	43.5	42.0	42.5	46.2	
G46.0	43.5	45.1	46.2	45.7	42.5	41.5	39.3	39.3	43.5	
G47.0	41.5	42.0	43.5	42.5	39.3	37.8	36.7	36.7	41.5	
G48.0	37.8	39.3	39.9	40.4	37.8	34.6	33.6	33.6	37.8	
G49.0	34.6	37.3	37.8	37.8	35.2	32.5	31.5	31.5	34.6	
G50.0	32.5	34.1	34.6	34.6	32.5	29.4	28.9	29.9	32.5	
G51.0	29.4	31.5	32.5	32.0	29.4	28.3	26.8	27.3	29.4	
G52.0	27.3	29.4	29.9	29.9	27.3	25.7	24.1	24.7	27.3	
G53.0	25.2	26.2	27.3	27.3	24.7	22.6	22.0	23.1	25.2	
G54.0	22.0	23.6	25.2	25.2	22.0	21.0	19.9	20.5	22.0	
G55.0	20.5	22.0	23.1	22.0	20.5	18.9	18.4	18.9	20.5	
G56.0	18.9	19.4	20.5	20.5	18.4	16.8	16.8	16.8	18.9	
G57.0	16.8	17.3	18.9	18.9	16.8	16.3	15.2	15.2	16.8	
G58.0	15.2	16.8	16.8	16.8	15.2	14.7	13.1	14.7	15.2	
G59.0	14.7	15.2	16.3	15.7	14.2	13.1	12.6	12.6	14.7	
G60.0	12.6	13.6	14.7	13.6	12.6	12.1	12.1	12.1	12.6	
G61.0	12.1	12.6	13.1	12.6	12.1	11.0	11.0	11.0	12.1	
G62.0	10.5	12.1	12.1	12.1	11.0	10.0	10.0	10.0	10.5	
G63.0	10.0	11.0	11.0	10.0	10.5	9.4	8.9	8.9	10.0	
G64.0	8.9	10.0	10.0	8.9	8.9	8.4	8.4	8.4	8.9	
G65.0	9.4	8.9	8.9	9.4	8.4	8.4	7.9	7.3	9.4	
G66.0	7.3	8.4	8.4	8.4	7.9	7.9	7.9	7.9	7.3	
G67.0	7.9	7.9	7.3	7.3	6.8	6.3	6.3	6.8	7.9	
G68.0	6.3	6.3	7.9	7.9	6.3	6.8	5.8	5.8	6.3	
G69.0	6.8	5.8	6.3	6.8	5.8	5.8	5.8	5.8	6.8	
G70.0	5.8	5.8	6.8	6.3	5.8	5.8	4.7	4.7	5.8	
G71.0	5.3	5.3	5.8	5.8	4.7	4.7	4.2	4.7	5.3	
G72.0	4.7	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.7	
G73.0	4.2	4.2	4.7	4.7	4.2	4.2	3.2	4.2	4.2	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

### Candlepower Table (Continue 2)

Unit: cd

[illegible]

C Plane (°):0.0-360.0: 45.0

### Test Lab:

Test Type: TYPE C

Temperature:

**Operator:**

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 4.200 m

**Humidity:**

**Inspector:**