

Report No.: LE-08TR HUGO (25W-24D)

Test Time: 2018-08-25 14:20

## Luminaire Property

Luminaire Category:

Lamp Description: CREE-3000K

Length (mm): 220

Voltage: 228.3 V

Power: 24.30 W

Number of Lamps: 1

Width (mm): 80

Current: 0.111 A

Power Factor: 0.958

## Photometric Results

CIE Class: Direct

Measurement Flux: 1823.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 61.9, 61.8, 61.8, 62.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 23.2, 23.2, 23.2, 23.2

Luminaire Efficacy Rating (LER): 75.07

Max. Intensity: 6794.38 cd

S/MH(C0/C180): 0.40

Total Rated Lamp Lumens: 1823.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 6789.14 cd

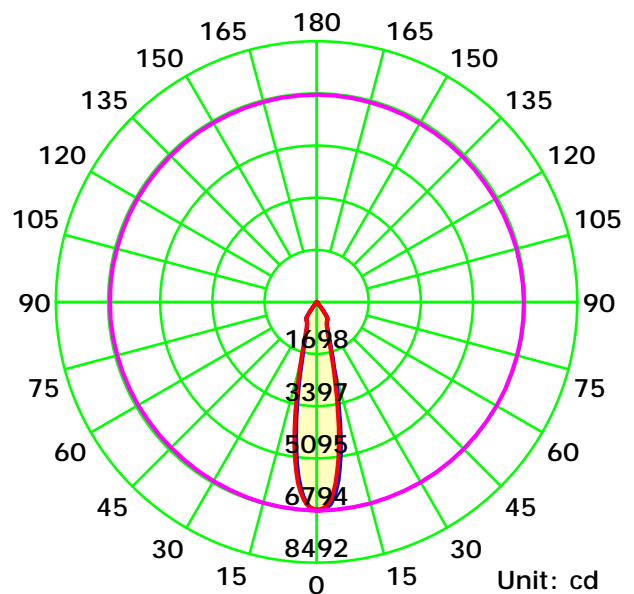
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 0.40

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

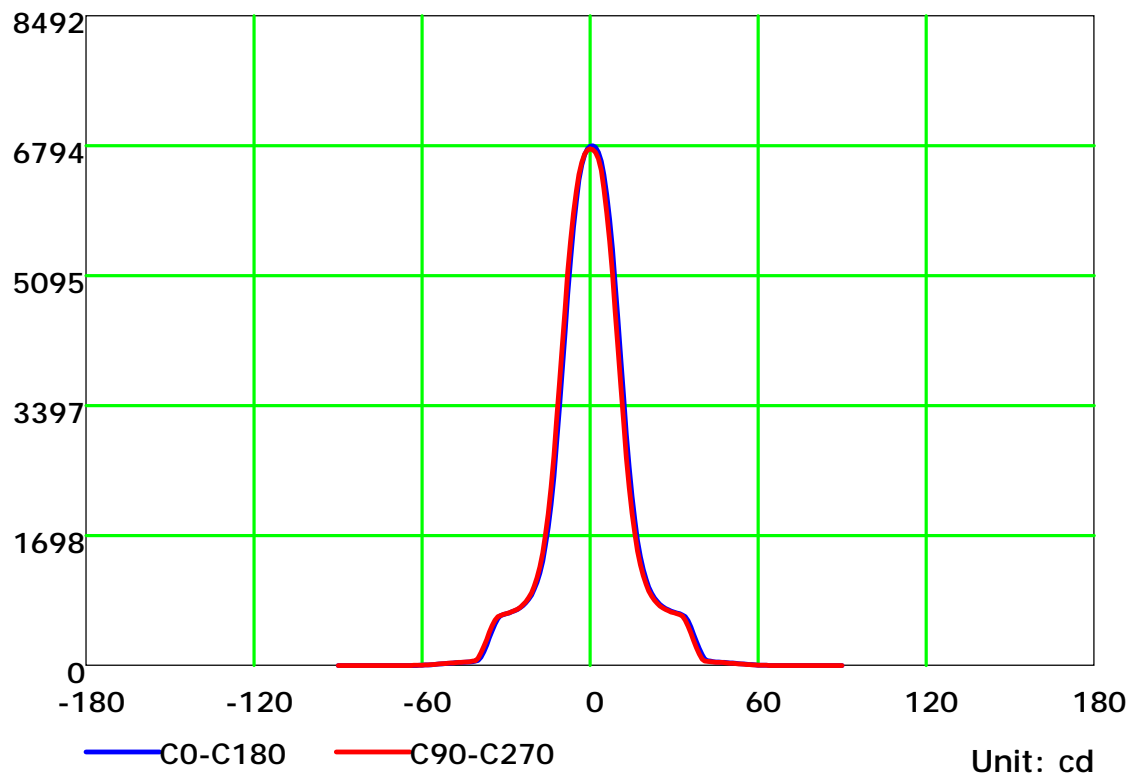
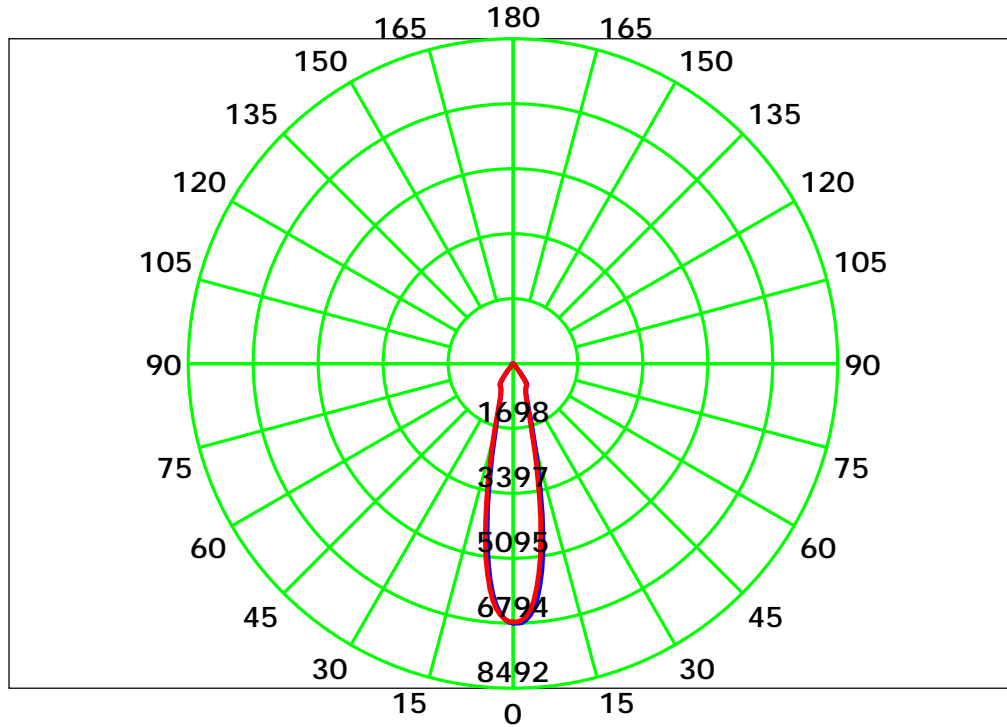
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

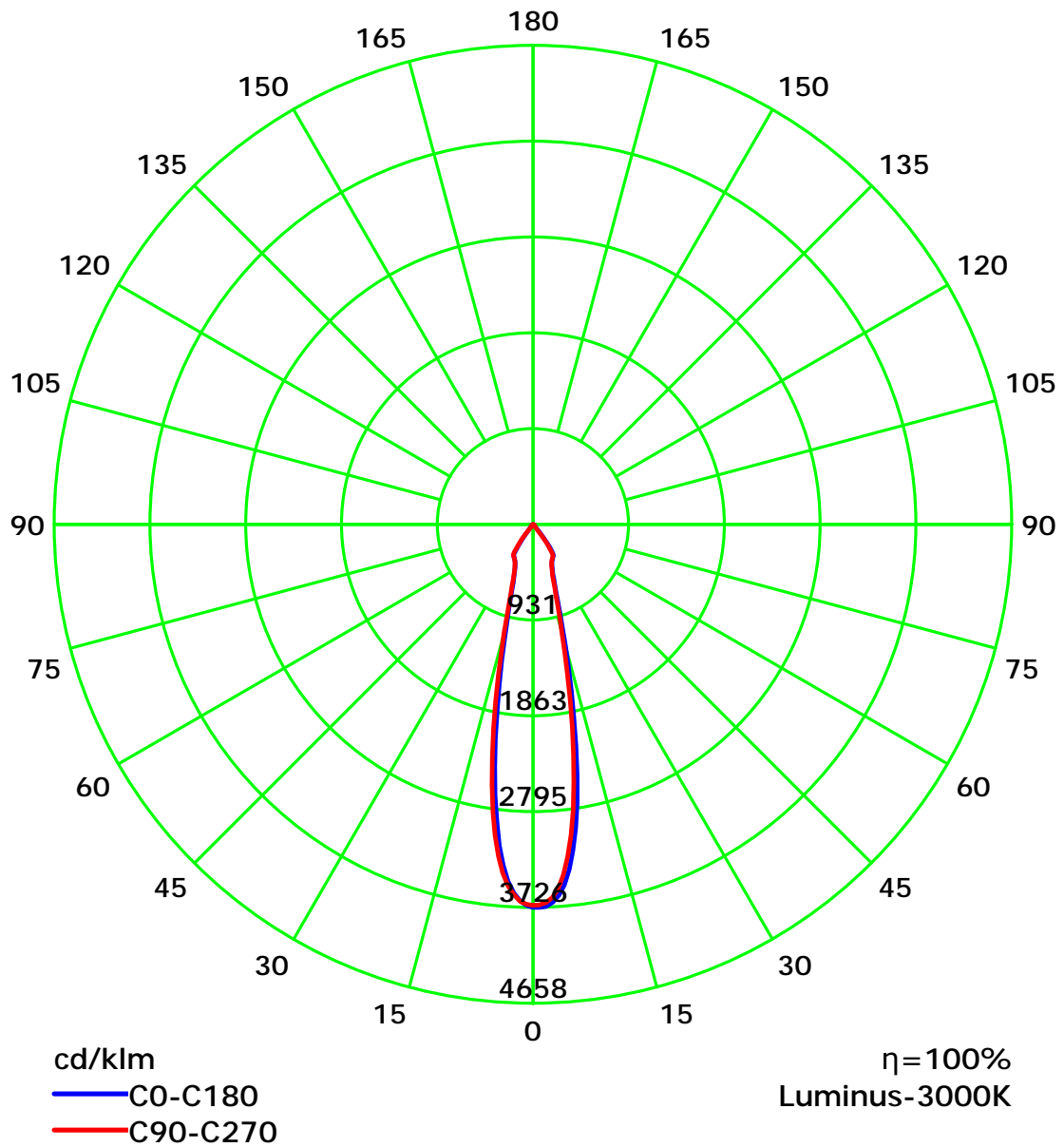
## Luminous Intensity Distribution Curve



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: 4.000 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: 4.000 m  
Humidity:  
Inspector:

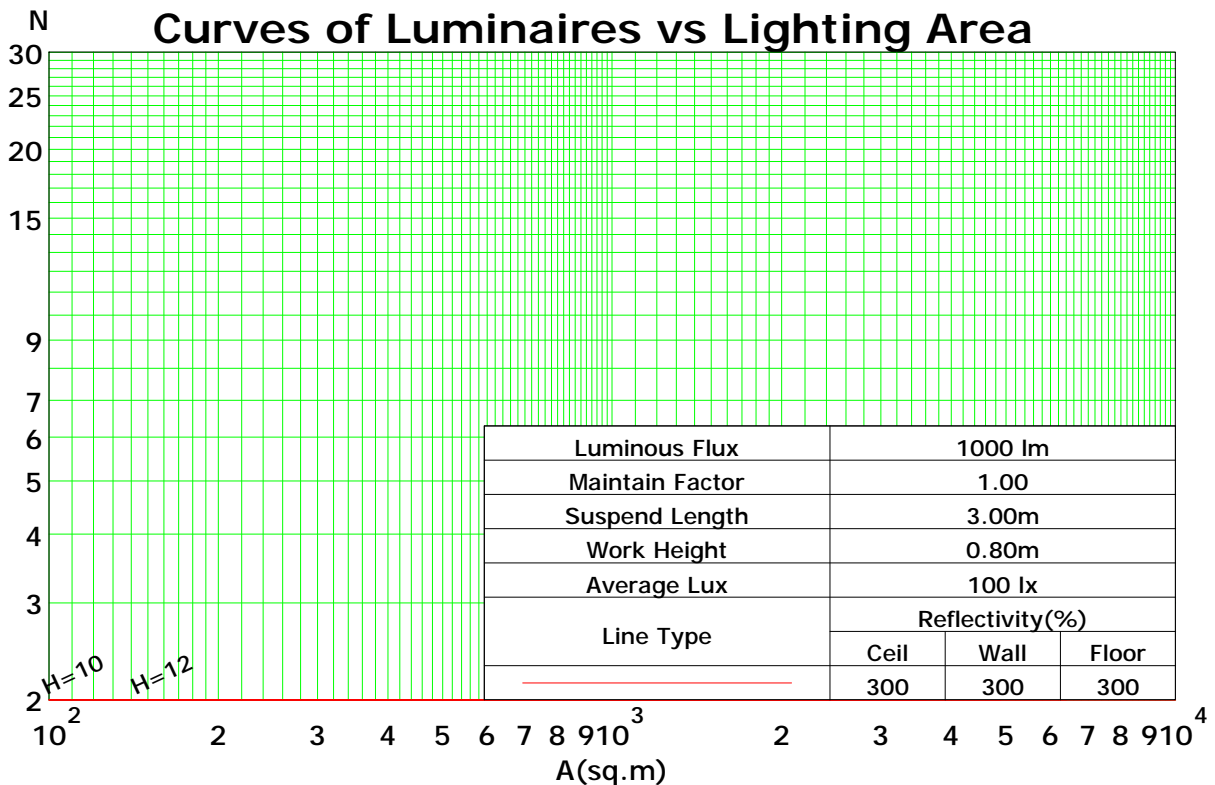
## Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86
4	101	95	91	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

Spacing Criteria (0-180): 0.40

Spacing Criteria (90-270): 0.40

Spacing Criteria (Diagonal): 0.39



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

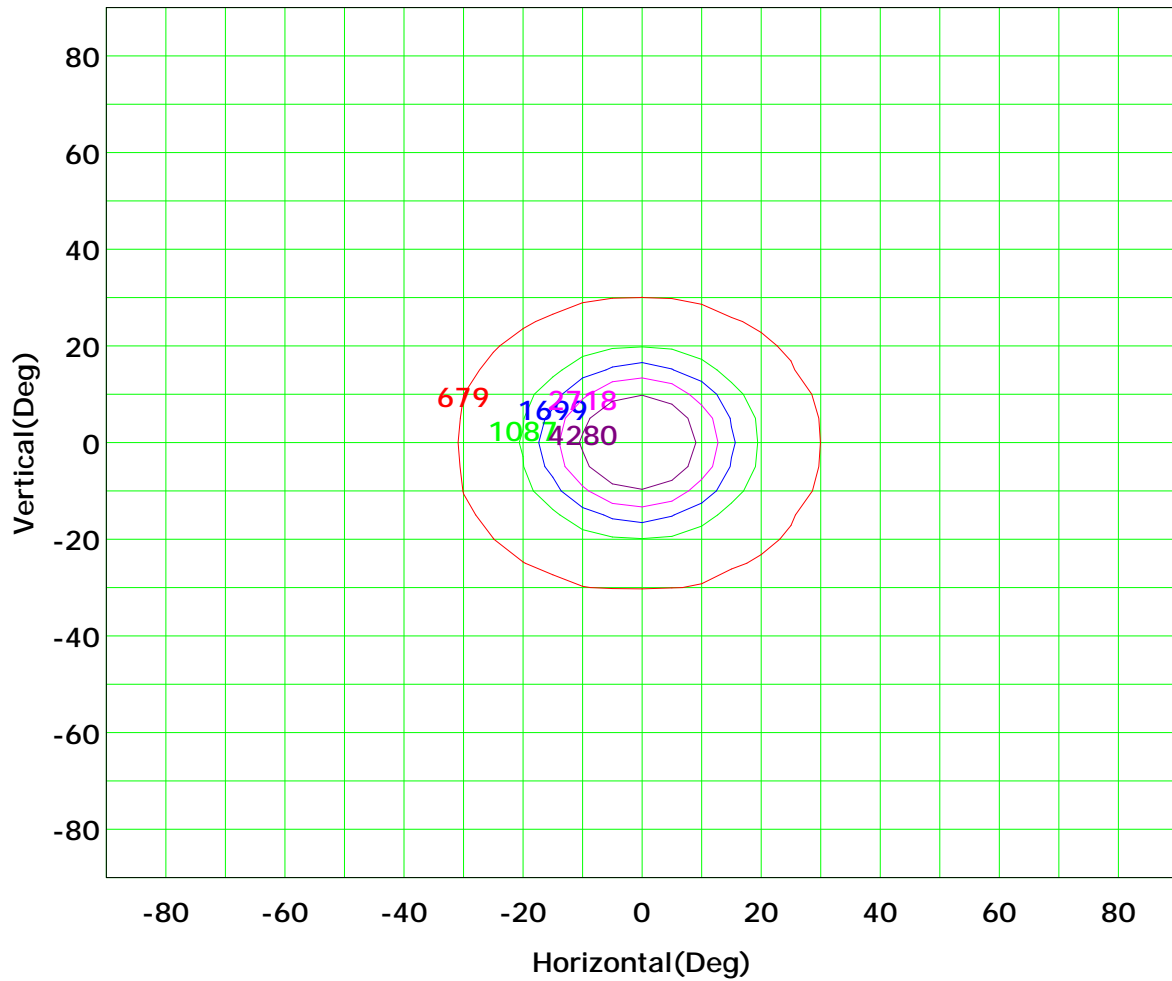
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



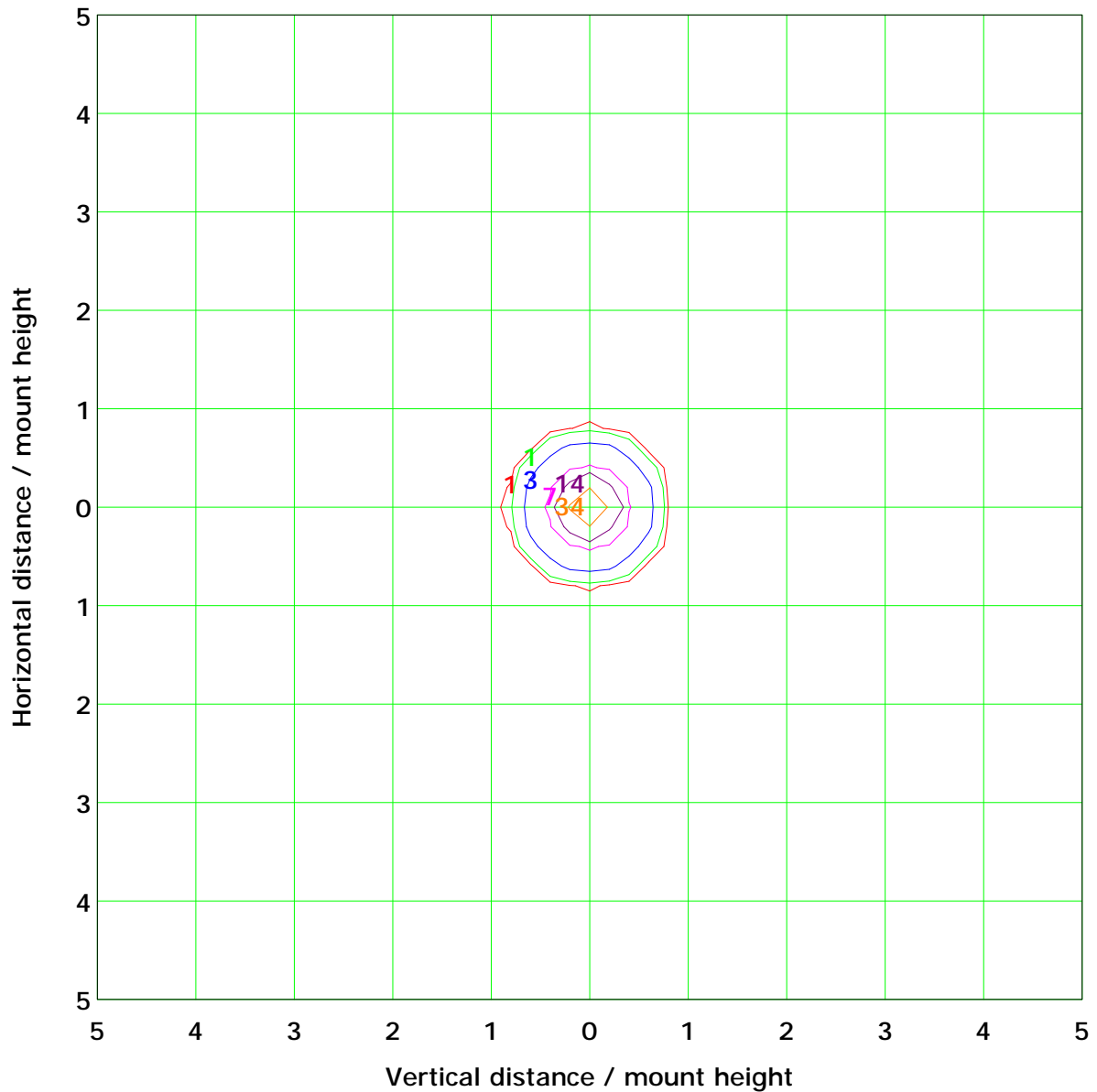
Imax (100%): 6794 cd

( 10%): 679 cd	( 16%): 1087 cd
( 25%): 1699 cd	( 40%): 2718 cd
( 63%): 4280 cd	(100%): 6794 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: 4.000 m  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 67.9 lx

( 1%): 0.7 lx	( 2%): 1.4 lx
( 5%): 3.4 lx	( 10%): 6.8 lx
( 20%): 13.6 lx	( 50%): 34.0 lx
(100%): 67.9 lx	

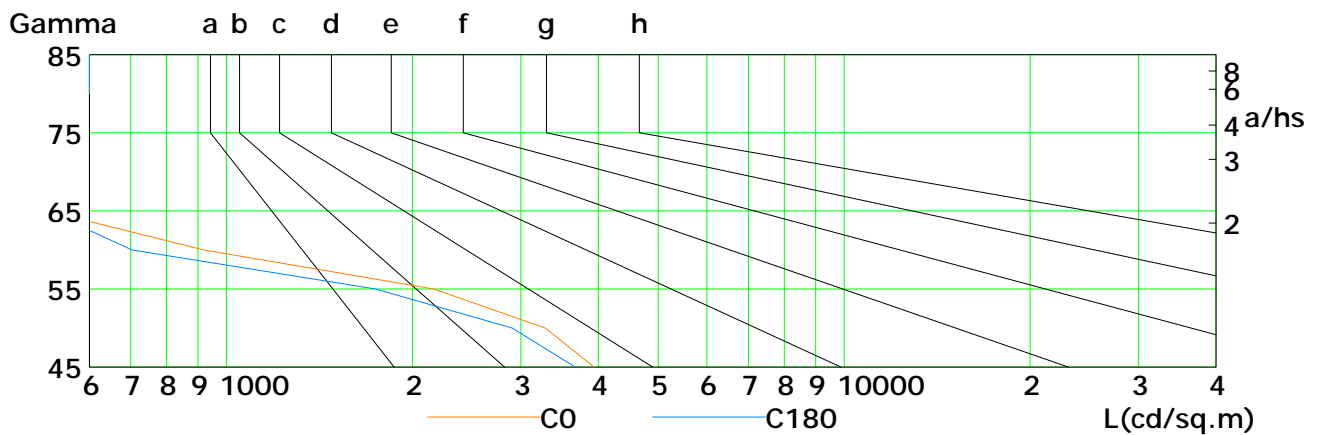
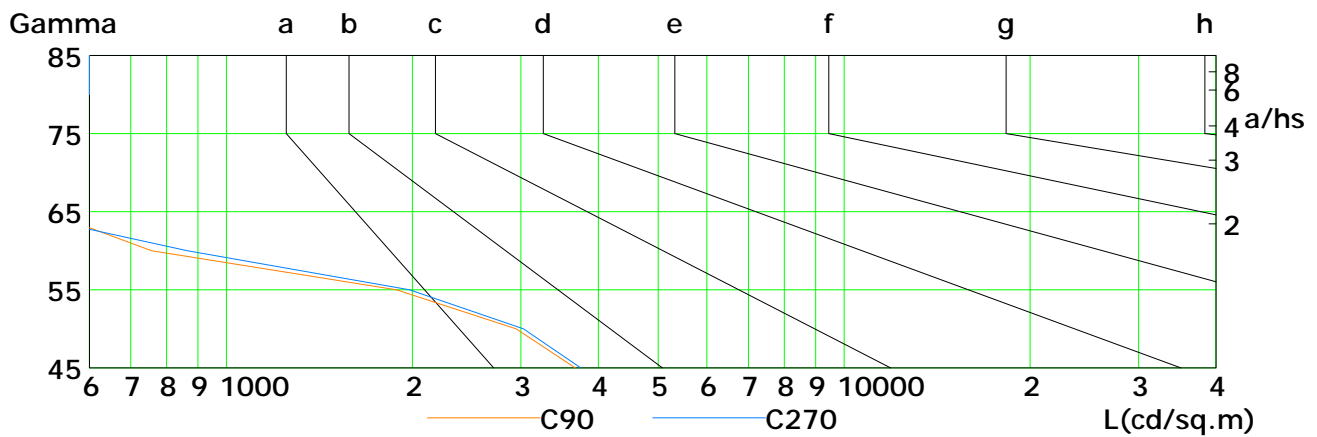
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: CHL-6E  
 Distance: 4.000 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

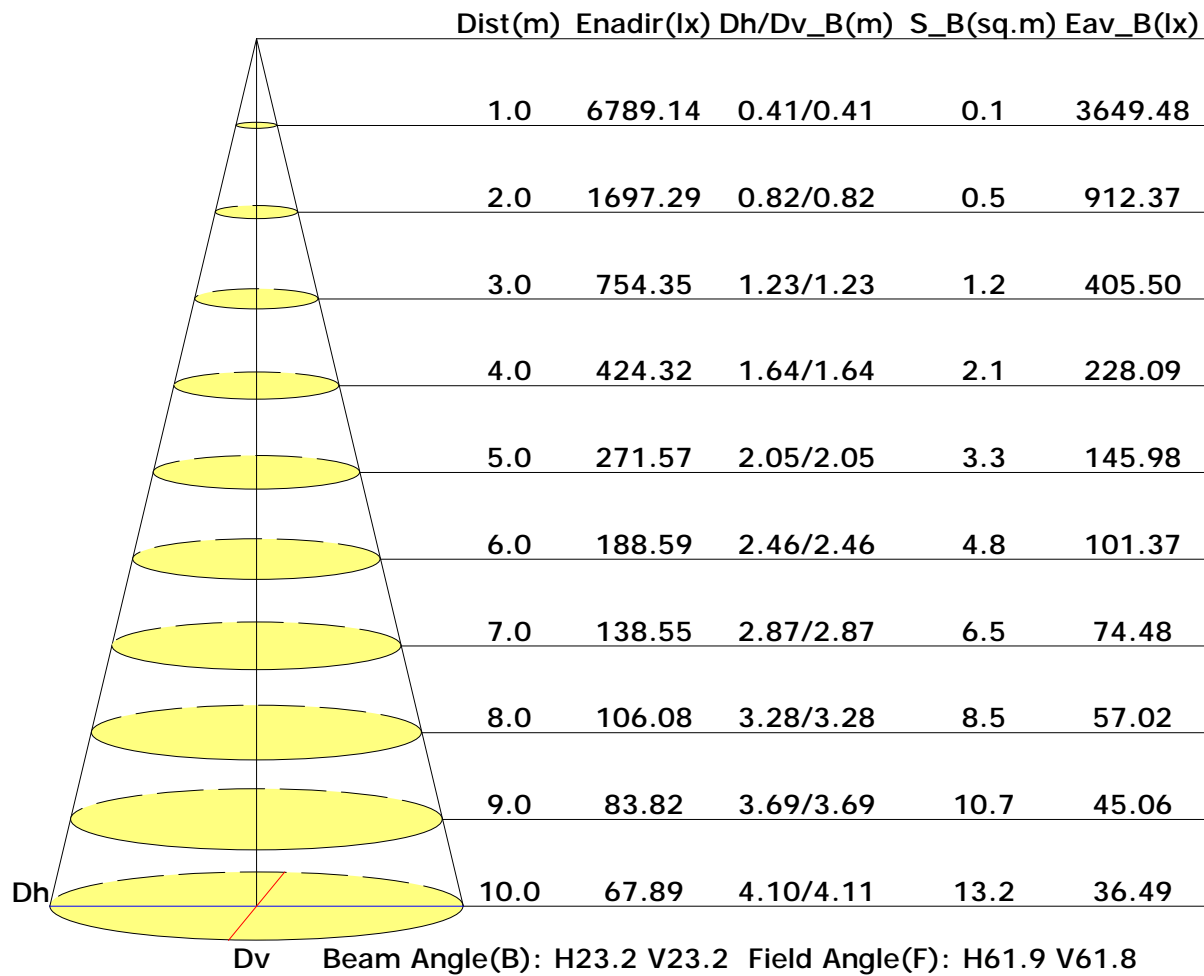


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3939	3281	2168	919	512	553	522	0	0
C90	3671	2944	1886	757	512	316	209	0	0
C180	3671	2903	1744	703	512	316	314	0	0
C270	3748	3028	1980	865	448	316	314	0	0

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: 4.000 m  
 Humidity:  
 Inspector:

## Illuminance at a Distance

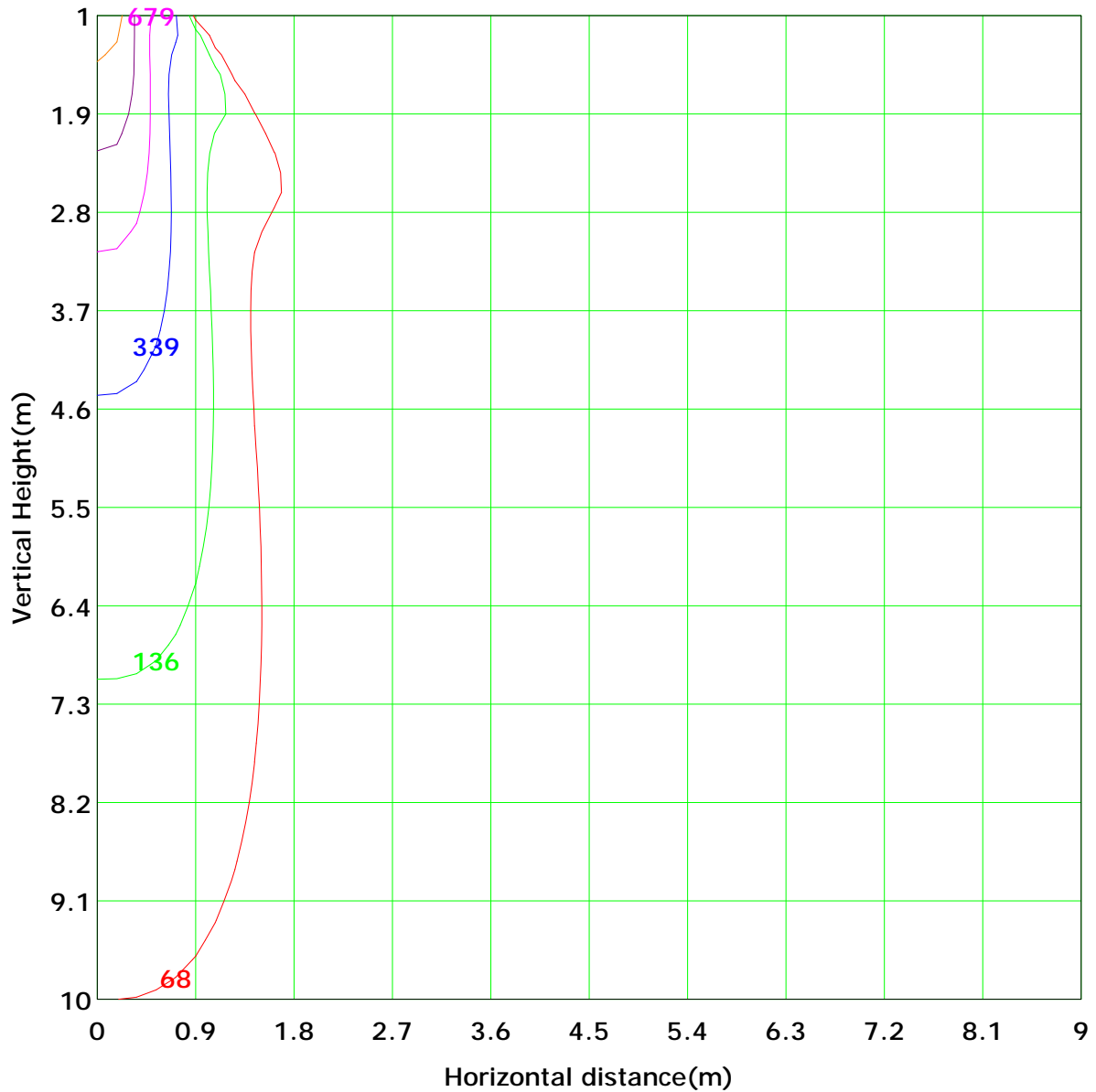


C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: CHL-6E  
 Distance: 4.000 m  
 Humidity:  
 Inspector:



## Vertical IsoLux Plot



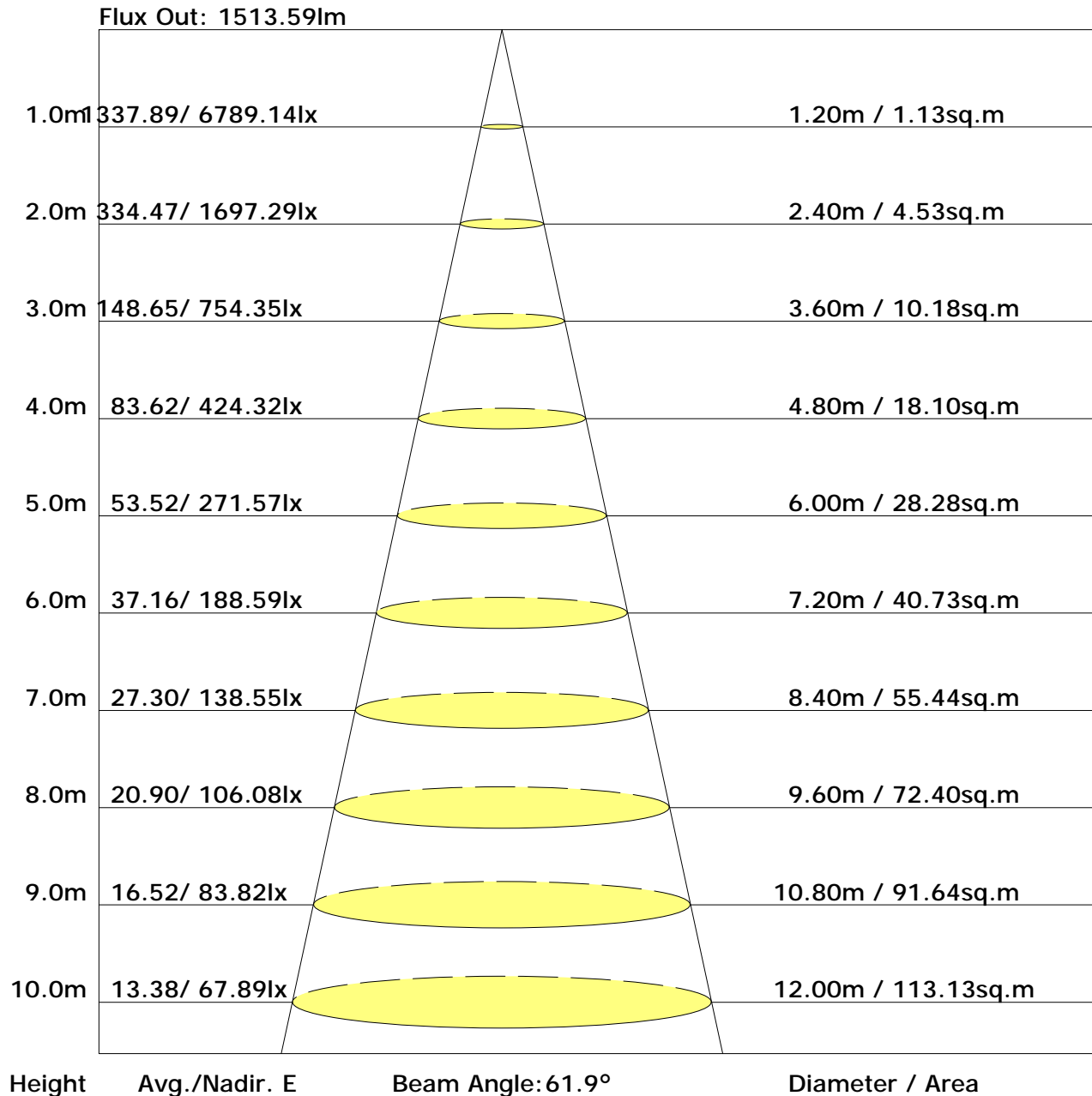
Lowest(m): 1.0m   Highest(m): 10.0m   Max Lux: 6789.1 lx

— ( 1%): 67.9 lx	— ( 2%): 135.8 lx
— ( 5%): 339.5 lx	— ( 10%): 678.9 lx
— ( 20%): 1357.8 lx	— ( 50%): 3394.6 lx
— (100%): 6789.1 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: 4.000 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: 4.000 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	14.8	15.5	15.0	15.7	15.9	14.5	15.2	14.8	15.4	15.6
3H	14.6	15.3	14.9	15.5	15.7	14.4	15.0	14.7	15.3	15.5
4H	14.6	15.2	14.9	15.4	15.7	14.3	14.9	14.6	15.2	15.4
6H	14.5	15.0	14.8	15.3	15.6	14.2	14.8	14.6	15.1	15.4
8H	14.4	15.0	14.8	15.3	15.6	14.2	14.8	14.5	15.0	15.3
12H	14.4	14.9	14.8	15.2	15.5	14.2	14.7	14.5	15.0	15.3
X=4H Y=2H	14.6	15.2	14.9	15.4	15.7	14.3	14.9	14.6	15.2	15.4
3H	14.4	14.9	14.8	15.2	15.6	14.2	14.7	14.5	15.0	15.3
4H	14.3	14.8	14.7	15.1	15.5	14.1	14.6	14.5	14.9	15.3
6H	14.3	14.7	14.7	15.0	15.4	14.0	14.4	14.4	14.8	15.2
8H	14.2	14.6	14.6	15.0	15.4	14.0	14.4	14.4	14.7	15.1
12H	14.2	14.5	14.6	14.9	15.3	13.9	14.3	14.4	14.7	15.1
X=8H Y=4H	14.2	14.6	14.6	15.0	15.4	14.0	14.4	14.4	14.7	15.1
6H	14.1	14.4	14.6	14.8	15.3	13.9	14.2	14.3	14.6	15.1
8H	14.1	14.3	14.5	14.8	15.3	13.8	14.1	14.3	14.5	15.0
12H	14.0	14.3	14.5	14.7	15.2	13.8	14.0	14.3	14.5	15.0
X=12H Y=4H	14.2	14.5	14.6	14.9	15.3	13.9	14.3	14.4	14.7	15.1
6H	14.1	14.3	14.5	14.8	15.3	13.8	14.1	14.3	14.5	15.0
8H	14.0	14.3	14.5	14.7	15.2	13.8	14.0	14.3	14.5	15.0
Variations with the observer position at spacings:										
S=1.0H	+5.3/-9.5					+5.4/-9.8				
S=1.5H	+8.1/-15.1					+8.2/-15.2				
S=2.0H	+10.1/-15.3					+10.2/-16.1				

Calculate in accordance with CIE Pub.117. The table is revised with 1823lm ( $8\log(F/F_0) = 2.1$ ).

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: 4.000 m  
Humidity:  
Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.50								
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	0.90	0.96	1.00	1.03	1.07	1.10	1.12	1.14	1.15
	0.30		0.85	0.92	0.96	1.00	1.04	1.07	1.09	1.11	1.13
	0.20		0.82	0.89	0.93	0.97	1.01	1.04	1.07	1.10	1.12
0.50	0.50	0.20	0.89	0.95	0.98	1.01	1.04	1.06	1.08	1.10	1.11
	0.30		0.85	0.91	0.95	0.98	1.02	1.04	1.06	1.08	1.09
	0.20		0.82	0.88	0.92	0.95	0.99	1.02	1.04	1.07	1.08
0.30	0.50	0.20	0.87	0.93	0.96	0.99	1.02	1.03	1.05	1.06	1.07
	0.30		0.84	0.90	0.94	0.96	0.99	1.02	1.03	1.05	1.06
	0.20		0.81	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.05
0.00	0.00	0.00	0.80	0.85	0.89	0.91	0.94	0.96	0.98	0.99	1.00
<p>Rating:24W 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>											

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: 4.000 m  
Humidity:  
Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.50								
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	0.57	0.46	0.38	0.33	0.26	0.21	0.18	0.14	0.11
	0.30		0.47	0.39	0.33	0.29	0.23	0.20	0.17	0.13	0.11
	0.20		0.41	0.34	0.30	0.26	0.21	0.18	0.16	0.12	0.10
0.50	0.50	0.20	0.54	0.43	0.36	0.31	0.24	0.24	0.17	0.13	0.10
	0.30		0.46	0.37	0.32	0.27	0.22	0.18	0.16	0.12	0.10
	0.20		0.40	0.33	0.28	0.25	0.20	0.17	0.15	0.11	0.09
0.30	0.50	0.20	0.52	0.40	0.33	0.29	0.22	0.18	0.15	0.12	0.09
	0.30		0.44	0.36	0.30	0.26	0.20	0.17	0.14	0.11	0.09
	0.20		0.39	0.32	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.24	0.19	0.15	0.13	0.10	0.08	0.07	0.05	0.04
<p>Rating:24W 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>											

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: 4.000 m  
Humidity:  
Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.50								
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	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	0.30		0.09	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.10	0.11	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.13	0.14	0.15	0.16	0.18	0.18	0.19	0.20	0.21
	0.30		0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.19	0.19
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.12	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:24W 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	6752.4	6.5	6.5	0.35	0.35
1.0-2.0	6723.2	19.3	25.8	1.06	1.41
2.0-3.0	6651.0	31.8	57.6	1.75	3.16
3.0-4.0	6524.1	43.7	101.3	2.40	5.55
4.0-5.0	6332.8	54.5	155.7	2.99	8.54
5.0-6.0	6069.7	63.8	219.5	3.50	12.04
6.0-7.0	5738.7	71.2	290.8	3.91	15.95
7.0-8.0	5347.1	76.5	367.3	4.20	20.15
8.0-9.0	4901.3	79.4	446.8	4.36	24.51
9.0-10.0	4419.4	80.0	526.7	4.39	28.89
10.0-11.0	3922.0	78.4	605.1	4.30	33.19
11.0-12.0	3430.3	75.0	680.1	4.11	37.31
12.0-13.0	2964.3	70.4	750.5	3.86	41.17
13.0-14.0	2538.3	65.0	815.5	3.56	44.73
14.0-15.0	2166.0	59.5	874.9	3.26	47.99
15.0-16.0	1855.4	54.4	929.3	2.98	50.97
16.0-17.0	1602.5	49.9	979.2	2.74	53.71
17.0-18.0	1398.1	46.1	1025.3	2.53	56.24
18.0-19.0	1236.4	43.0	1068.3	2.36	58.60
19.0-20.0	1109.4	40.6	1108.9	2.23	60.83
20.0-21.0	1009.8	38.8	1147.7	2.13	62.96
21.0-22.0	933.0	37.5	1185.2	2.06	65.01
22.0-23.0	873.6	36.7	1221.9	2.01	67.02
23.0-24.0	827.2	36.2	1258.1	1.98	69.01
24.0-25.0	790.6	36.0	1294.0	1.97	70.98
25.0-26.0	761.7	36.0	1330.0	1.97	72.95
26.0-27.0	738.8	36.1	1366.1	1.98	74.94
27.0-28.0	720.3	36.5	1402.6	2.00	76.94
28.0-29.0	705.0	36.9	1439.5	2.02	78.96
29.0-30.0	692.3	37.4	1476.9	2.05	81.01
30.0-31.0	681.1	37.9	1514.8	2.08	83.09
31.0-32.0	669.3	38.4	1553.1	2.10	85.19
32.0-33.0	652.7	38.5	1591.6	2.11	87.30
33.0-34.0	618.8	37.5	1629.0	2.05	89.36
34.0-35.0	557.9	34.7	1663.7	1.90	91.26
35.0-36.0	476.6	30.4	1694.0	1.66	92.92

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: 4.000 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	385.3	25.1	1719.2	1.38	94.30
37.0-38.0	291.6	19.5	1738.6	1.07	95.37
38.0-39.0	204.1	13.9	1752.6	0.76	96.13
39.0-40.0	130.9	9.1	1761.7	0.50	96.63
40.0-41.0	83.3	5.9	1767.6	0.33	96.96
41.0-42.0	63.0	4.6	1772.2	0.25	97.21
42.0-43.0	56.0	4.1	1776.4	0.23	97.44
43.0-44.0	51.5	3.9	1780.3	0.21	97.65
44.0-45.0	48.0	3.7	1783.9	0.20	97.85
45.0-46.0	45.7	3.6	1787.5	0.20	98.05
46.0-47.0	43.5	3.5	1791.0	0.19	98.24
47.0-48.0	40.8	3.3	1794.3	0.18	98.42
48.0-49.0	38.0	3.1	1797.4	0.17	98.59
49.0-50.0	35.4	2.9	1800.4	0.16	98.75
50.0-51.0	32.7	2.8	1803.1	0.15	98.91
51.0-52.0	29.7	2.5	1805.7	0.14	99.05
52.0-53.0	26.6	2.3	1808.0	0.13	99.17
53.0-54.0	23.7	2.1	1810.1	0.11	99.29
54.0-55.0	21.0	1.9	1811.9	0.10	99.39
55.0-56.0	18.1	1.6	1813.6	0.09	99.48
56.0-57.0	15.2	1.4	1815.0	0.08	99.56
57.0-58.0	12.6	1.2	1816.1	0.06	99.62
58.0-59.0	10.1	0.9	1817.1	0.05	99.67
59.0-60.0	8.1	0.8	1817.8	0.04	99.71
60.0-61.0	6.5	0.6	1818.5	0.03	99.75
61.0-62.0	5.1	0.5	1819.0	0.03	99.77
62.0-63.0	4.4	0.4	1819.4	0.02	99.80
63.0-64.0	4.0	0.4	1819.8	0.02	99.82
64.0-65.0	3.8	0.4	1820.1	0.02	99.84
65.0-66.0	3.4	0.3	1820.5	0.02	99.86
66.0-67.0	3.2	0.3	1820.8	0.02	99.88
67.0-68.0	3.1	0.3	1821.1	0.02	99.89
68.0-69.0	3.1	0.3	1821.4	0.02	99.91
69.0-70.0	2.7	0.3	1821.7	0.02	99.93
70.0-71.0	2.3	0.2	1821.9	0.01	99.94
71.0-72.0	2.3	0.2	1822.2	0.01	99.95

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: 4.000 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: 4.000 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	6789.1	6763.9	6754.9	6725.9	6789.1	6763.9	6754.9	6725.9	6789.1	
G1.0	6794.4	6773.4	6747.7	6707.3	6758.2	6740.6	6740.6	6708.2	6794.4	
G2.0	6777.3	6746.3	6708.7	6648.8	6677.8	6667.3	6687.8	6686.8	6777.3	
G3.0	6708.2	6668.3	6623.0	6549.3	6547.4	6539.8	6576.9	6603.1	6708.2	
G4.0	6592.6	6545.0	6473.1	6373.7	6347.0	6355.6	6418.9	6463.1	6592.6	
G5.0	6415.1	6346.1	6234.3	6117.2	6069.1	6103.9	6201.4	6269.0	6415.1	
G6.0	6151.9	6061.0	5918.7	5802.1	5727.9	5779.3	5912.1	6005.8	6151.9	
G7.0	5829.3	5717.9	5549.0	5419.0	5305.3	5401.9	5554.2	5683.6	5829.3	
G8.0	5442.4	5312.9	5120.2	4967.4	4857.0	4954.1	5150.1	5288.6	5442.4	
G9.0	5002.6	4856.5	4643.8	4473.0	4366.8	4477.7	4671.4	4837.0	5002.6	
G10.0	4519.6	4373.5	4151.3	3969.0	3861.9	3977.1	4182.7	4347.3	4519.6	
G11.0	4003.7	3872.9	3651.1	3468.8	3362.7	3485.5	3681.1	3843.8	4003.7	
G12.0	3501.2	3384.6	3171.9	2996.3	2896.3	3016.7	3198.5	3349.4	3501.2	
G13.0	3027.6	2914.4	2724.0	2567.9	2470.4	2582.2	2743.1	2883.9	3027.6	
G14.0	2594.6	2489.4	2330.9	2186.8	2105.8	2203.4	2330.5	2458.5	2594.6	
G15.0	2211.0	2128.7	1994.5	1872.2	1805.1	1880.7	1980.7	2083.9	2211.0	
G16.0	1895.0	1827.4	1722.8	1616.6	1566.2	1620.9	1701.3	1778.9	1895.0	
G17.0	1634.7	1581.9	1500.5	1411.0	1365.3	1409.1	1472.9	1535.2	1634.7	
G18.0	1424.4	1382.5	1319.2	1247.8	1212.1	1242.6	1289.2	1341.6	1424.4	
G19.0	1256.8	1225.0	1178.3	1118.8	1091.7	1114.1	1149.3	1189.7	1256.8	
G20.0	1126.4	1098.4	1065.1	1021.3	997.0	1010.8	1037.4	1070.3	1126.4	
G21.0	1025.1	1001.8	977.5	939.9	923.7	932.8	953.2	976.5	1025.1	
G22.0	948.0	927.0	909.9	879.9	867.6	872.3	887.5	905.2	948.0	
G23.0	885.2	870.9	856.1	831.9	822.8	826.6	836.6	850.4	885.2	
G24.0	839.5	825.7	814.3	795.2	786.2	788.6	796.2	809.0	839.5	
G25.0	800.9	790.5	779.5	764.8	758.6	761.0	764.8	775.7	800.9	
G26.0	771.9	761.0	753.8	741.5	735.7	737.6	739.1	751.4	771.9	
G27.0	747.6	739.1	733.8	722.4	718.1	718.6	720.0	728.6	747.6	
G28.0	728.6	721.9	716.2	708.1	702.9	703.4	703.8	711.0	728.6	
G29.0	712.9	708.1	701.5	692.9	689.6	689.6	692.4	697.2	712.9	
G30.0	700.0	697.2	690.5	682.0	679.1	679.6	679.6	684.8	700.0	
G31.0	689.6	684.8	680.5	671.0	667.2	667.7	670.1	673.9	689.6	
G32.0	679.1	672.4	667.2	657.7	654.8	654.4	656.3	662.5	679.1	
G33.0	663.9	662.0	649.1	627.7	616.8	626.8	643.9	648.7	663.9	
G34.0	643.9	630.6	596.3	564.4	546.8	563.5	598.2	618.7	643.9	
G35.0	586.3	563.0	515.9	481.6	458.8	479.7	525.4	553.9	586.3	
G36.0	505.4	476.9	425.5	388.3	366.4	387.9	437.8	473.0	505.4	

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: 4.000 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	413.1	381.7	330.8	288.9	270.8	296.5	342.6	379.3	413.1	
G38.0	317.9	288.4	236.0	198.4	183.2	205.6	251.3	281.7	317.9	
G39.0	224.6	199.4	152.8	124.7	110.9	129.4	167.5	193.2	224.6	
G40.0	144.7	122.3	87.6	72.8	68.1	76.6	99.0	120.4	144.7	
G41.0	85.7	72.3	60.9	60.9	60.0	63.3	64.7	73.3	85.7	
G42.0	63.8	59.0	57.1	54.7	54.3	57.1	60.0	61.4	63.8	
G43.0	59.0	54.3	51.9	49.5	49.5	52.3	54.3	57.6	59.0	
G44.0	54.3	49.5	47.6	46.6	47.6	48.1	49.5	52.3	54.3	
G45.0	49.0	46.2	45.7	45.2	45.7	45.7	46.6	49.0	49.0	
G46.0	47.1	45.2	44.7	43.3	43.3	43.3	44.7	46.6	47.1	
G47.0	45.7	42.3	41.9	40.5	40.0	40.5	42.3	45.2	45.7	
G48.0	42.3	39.5	38.5	38.1	38.1	38.1	39.5	40.9	42.3	
G49.0	39.5	37.6	35.7	34.7	34.7	34.7	37.1	38.5	39.5	
G50.0	37.1	34.3	33.3	32.4	32.8	32.4	34.3	36.6	37.1	
G51.0	33.8	31.9	30.5	29.5	29.5	29.5	31.4	33.3	33.8	
G52.0	30.9	28.5	27.1	26.6	26.6	26.2	28.5	30.9	30.9	
G53.0	28.1	25.7	24.8	23.8	23.3	22.8	25.2	26.6	28.1	
G54.0	24.8	22.8	21.9	21.9	20.9	20.0	22.4	24.8	24.8	
G55.0	21.9	20.0	19.0	19.0	17.6	18.1	20.0	20.9	21.9	
G56.0	19.0	17.6	16.2	15.2	14.8	14.8	16.7	18.6	19.0	
G57.0	15.7	14.8	12.9	13.3	11.9	12.4	13.8	16.2	15.7	
G58.0	12.9	11.4	10.5	10.9	10.0	10.0	11.4	12.9	12.9	
G59.0	10.5	9.0	9.0	8.1	8.6	7.6	9.0	10.0	10.5	
G60.0	8.1	7.6	6.7	6.7	6.2	6.2	7.6	8.6	8.1	
G61.0	6.7	6.2	5.2	5.2	5.2	5.2	5.2	6.7	6.7	
G62.0	5.2	5.2	4.3	4.3	3.8	4.3	4.3	5.2	5.2	
G63.0	5.2	3.8	4.3	3.8	3.8	3.8	4.3	4.3	5.2	
G64.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
G65.0	3.8	3.8	3.8	3.8	3.8	3.8	3.3	3.8	3.8	
G66.0	3.8	2.9	3.3	2.9	2.9	2.9	2.9	3.3	3.8	
G67.0	3.8	3.3	2.9	2.9	3.3	3.3	3.3	2.9	3.8	
G68.0	3.3	2.9	2.9	2.9	2.9	2.9	2.9	3.3	3.3	
G69.0	2.9	3.3	3.3	2.9	3.3	3.3	3.3	2.9	2.9	
G70.0	3.3	1.9	1.9	2.4	1.9	1.9	1.9	2.9	3.3	
G71.0	1.9	2.4	2.4	2.9	2.4	2.4	2.4	2.4	1.9	
G72.0	2.4	1.9	2.4	2.4	0.9	2.4	2.4	2.4	2.4	
G73.0	1.9	2.4	1.9	2.4	1.4	0.9	1.4	1.9	1.9	

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: 4.000 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: 4.000 m

Humidity:

Inspector: