

Report No.: LE-08TR HUGO (25W-15D)

Test Time: 2018-08-25 11:46

## Luminaire Property

Luminaire Category:

Lamp Description: CREE-3000K

Length (mm): 220

Voltage: 227.3 V

Power: 23.10 W

Number of Lamps: 1

Width (mm): 80

Current: 0.106 A

Power Factor: 0.956

## Photometric Results

CIE Class: Direct

Measurement Flux: 1737.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 26.2, 26.2, 26.3, 26.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 13.1, 13.1, 13.2, 13.0

Luminaire Efficacy Rating (LER): 75.28

Max. Intensity: 15288.18 cd

S/MH(C0/C180): 0.23

Total Rated Lamp Lumens: 1737.9 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 15182.06 cd

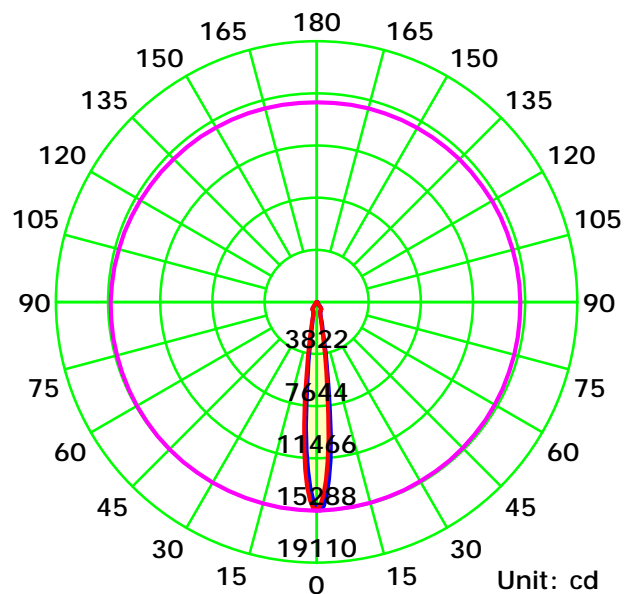
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 0.23

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

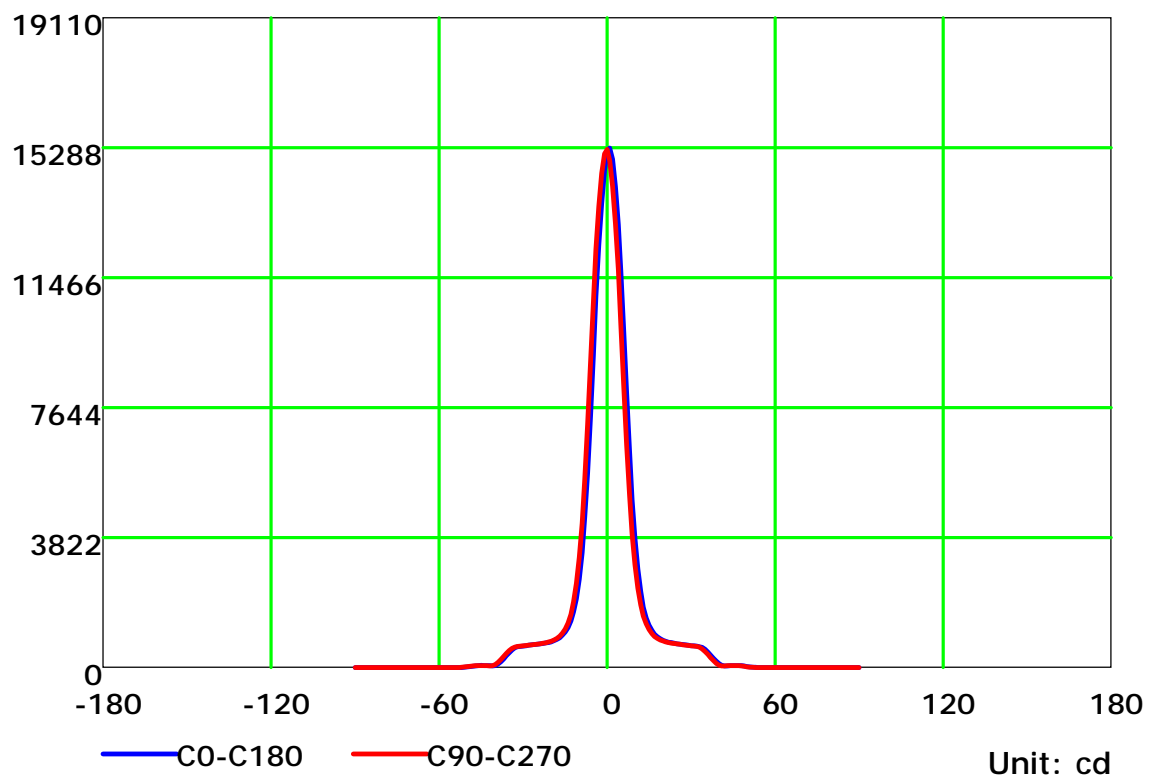
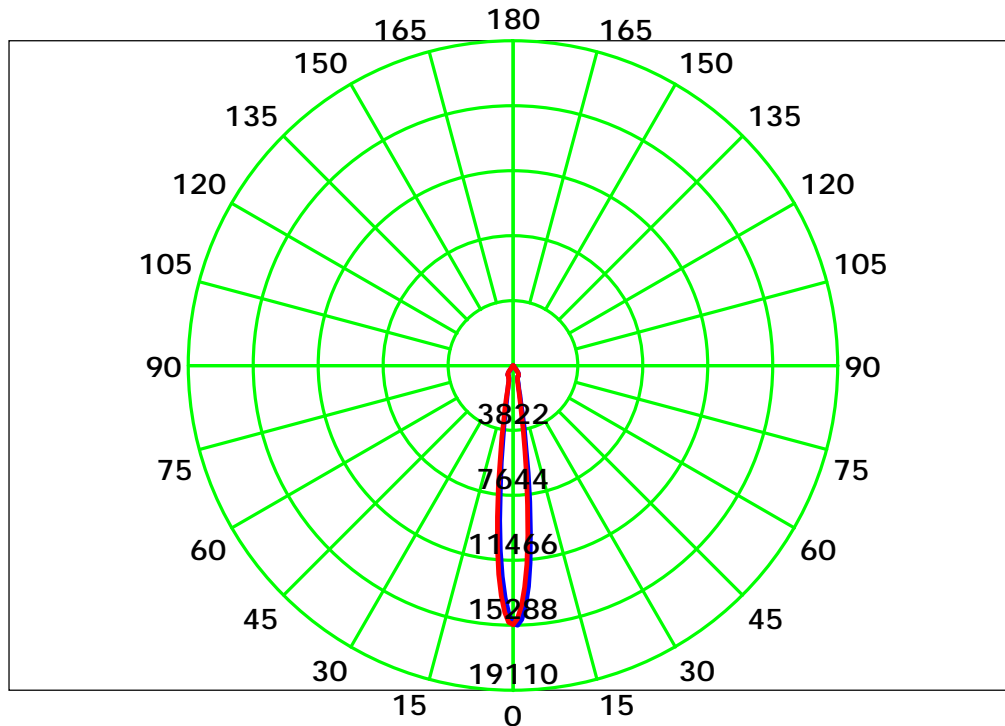
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

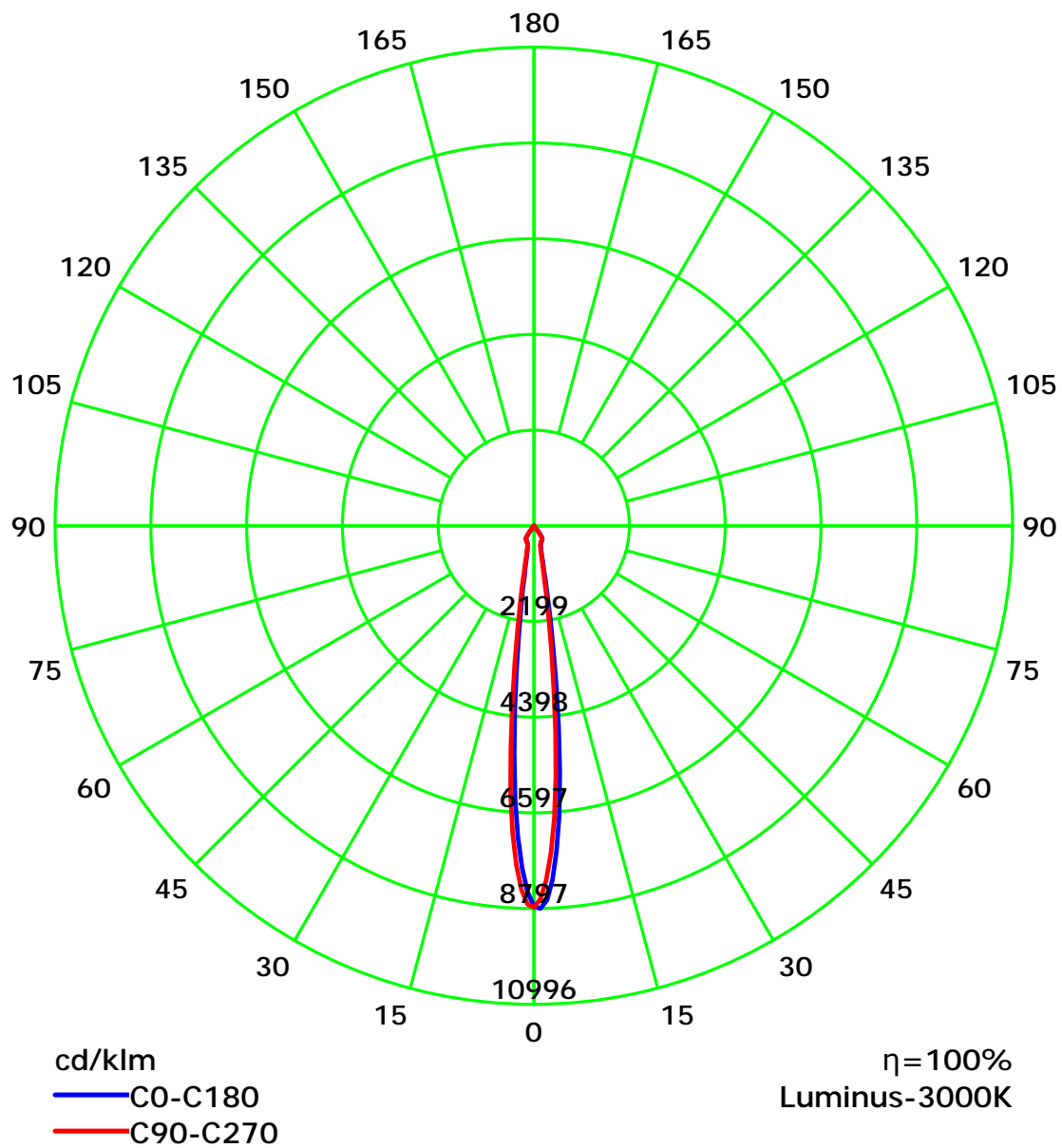
## Luminous Intensity Distribution Curve



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:

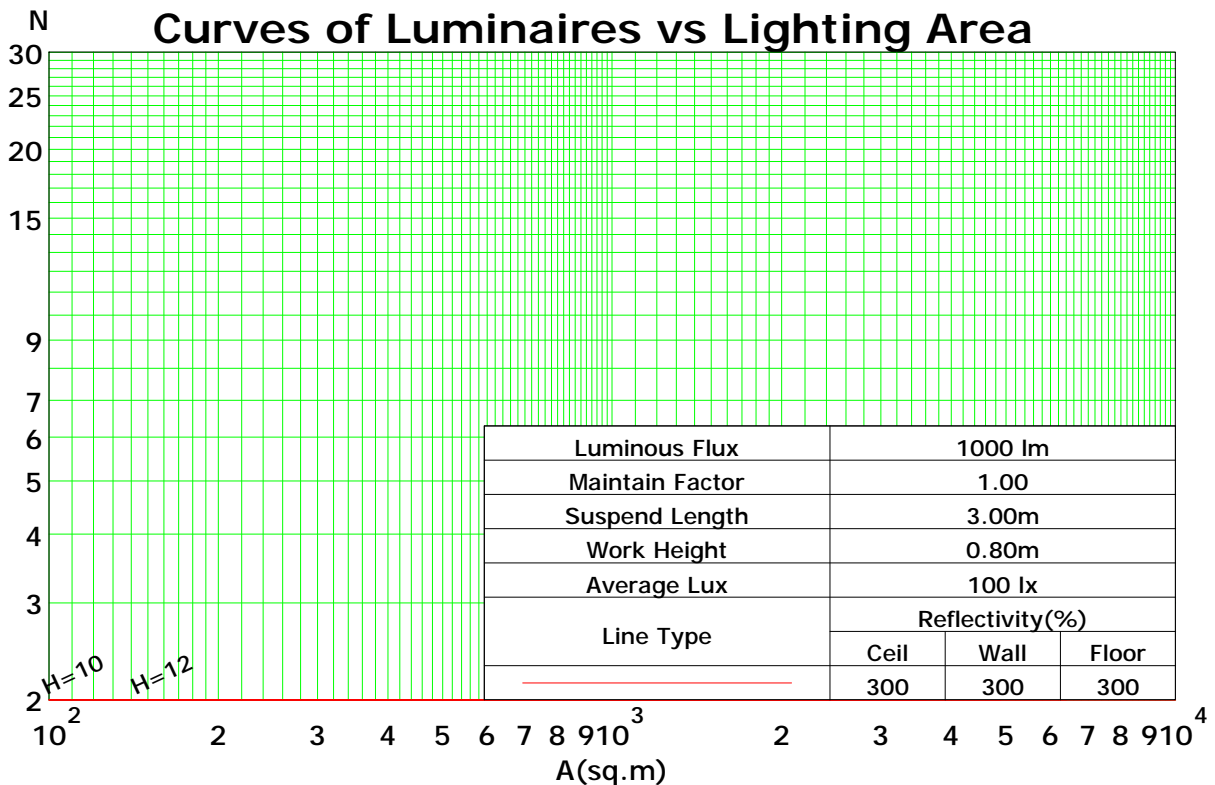
## Coefficients Of Utilization - Zonal Cavity Method

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	83	81
6	96	89	85	81	95	88	84	81	87	83	81	86	83	80	85	82	80	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	78	75	89	82	78	75	82	78	75	81	77	75	80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	74	72	71
10	85	78	74	71	84	77	73	71	77	73	70	76	73	70	76	72	70	69

Spacing Criteria (0-180): 0.23

Spacing Criteria (90-270): 0.23

Spacing Criteria (Diagonal): 0.23



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

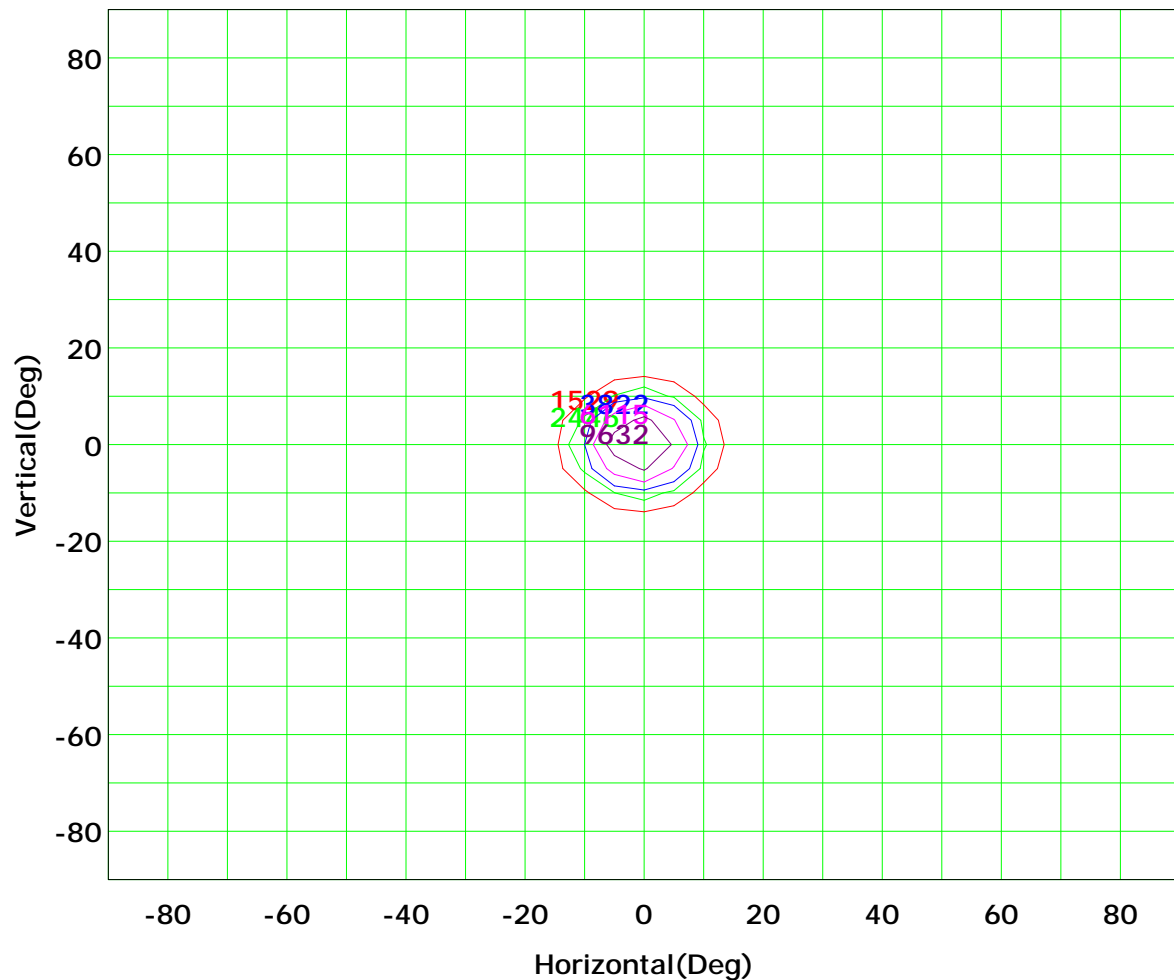
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



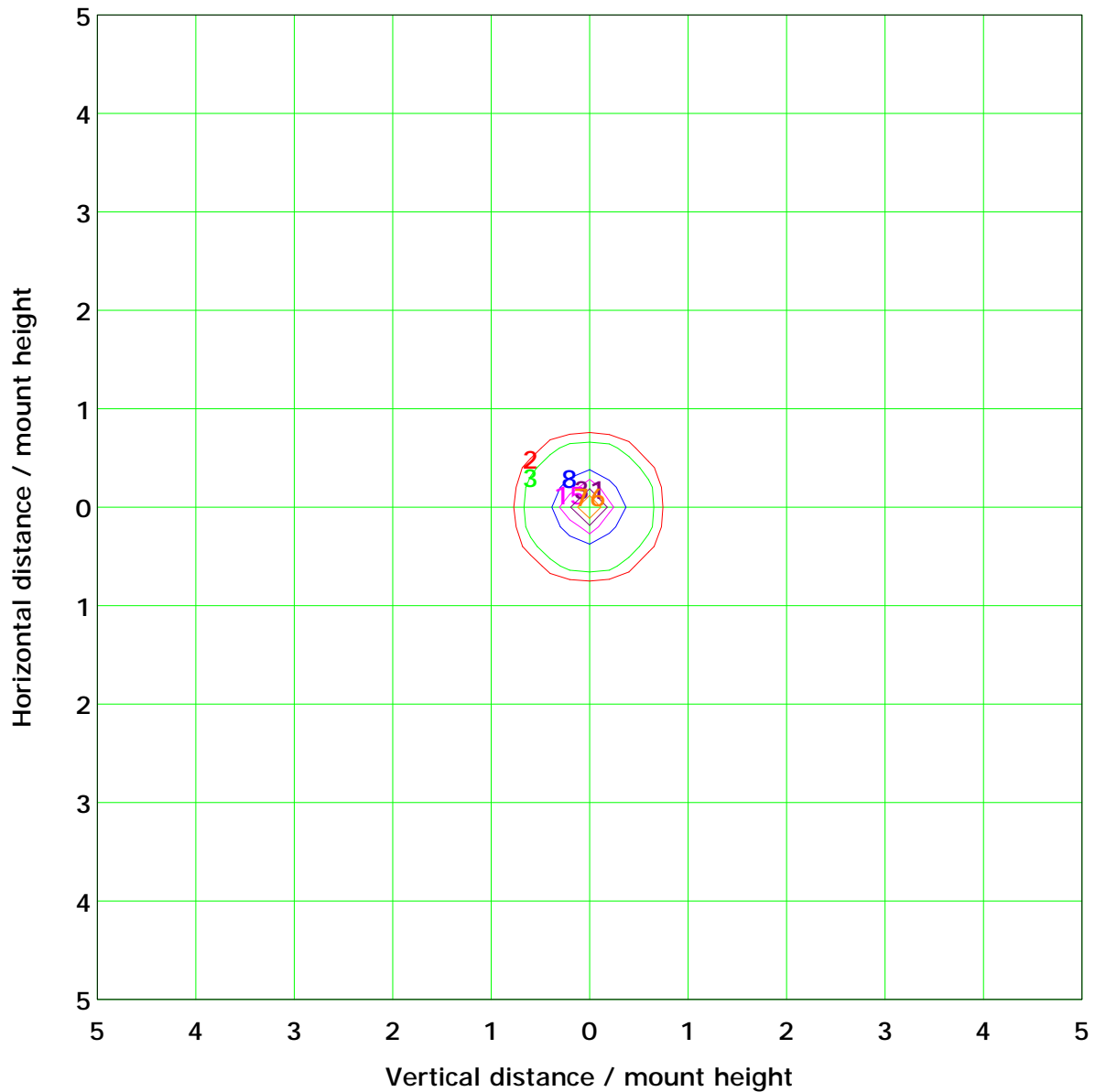
I<sub>max</sub> (100%): 15288 cd

( 10%): 1529 cd	( 16%): 2446 cd
( 25%): 3822 cd	( 40%): 6115 cd
( 63%): 9632 cd	(100%): 15288 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%): 152.8 lx

( 1%): 1.5 lx	( 2%): 3.1 lx
( 5%): 7.6 lx	( 10%): 15.3 lx
( 20%): 30.6 lx	( 50%): 76.4 lx
(100%): 152.8 lx	

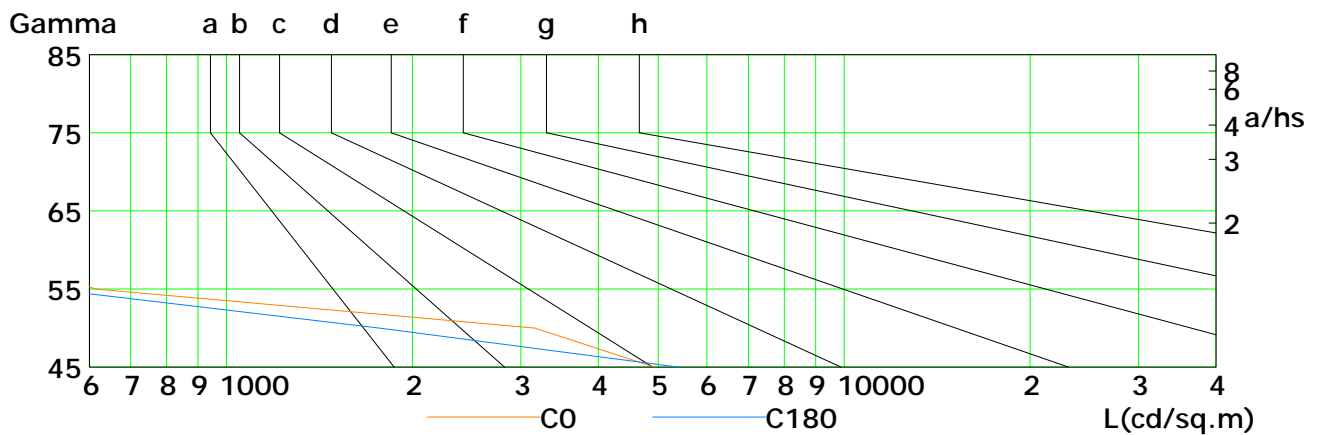
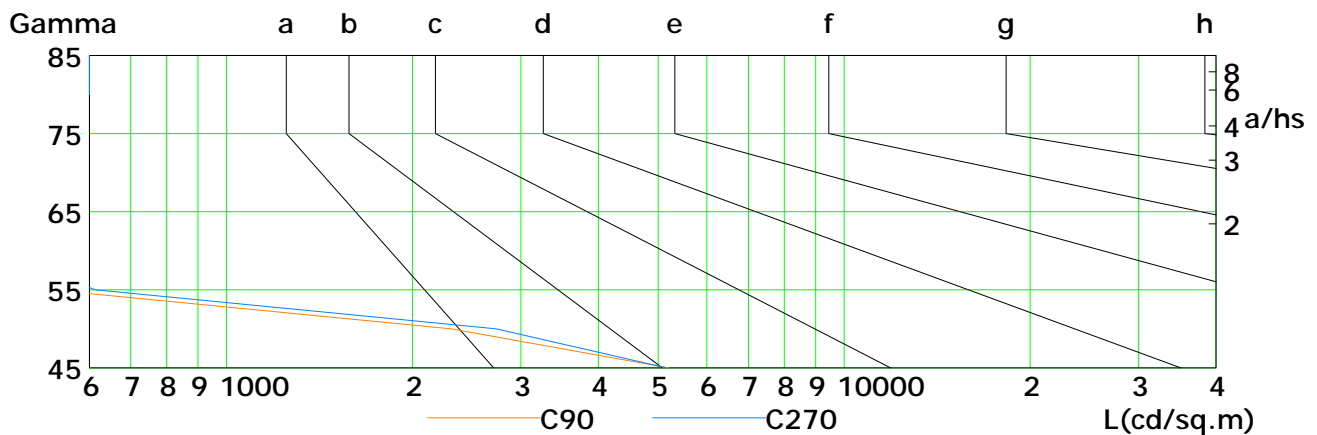
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	4933	3155	613	433	448	553	417	157	313
C90	5200	2313	518	433	448	395	209	157	0
C180	5392	1767	518	433	448	395	314	157	0
C270	5163	2734	613	433	448	395	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

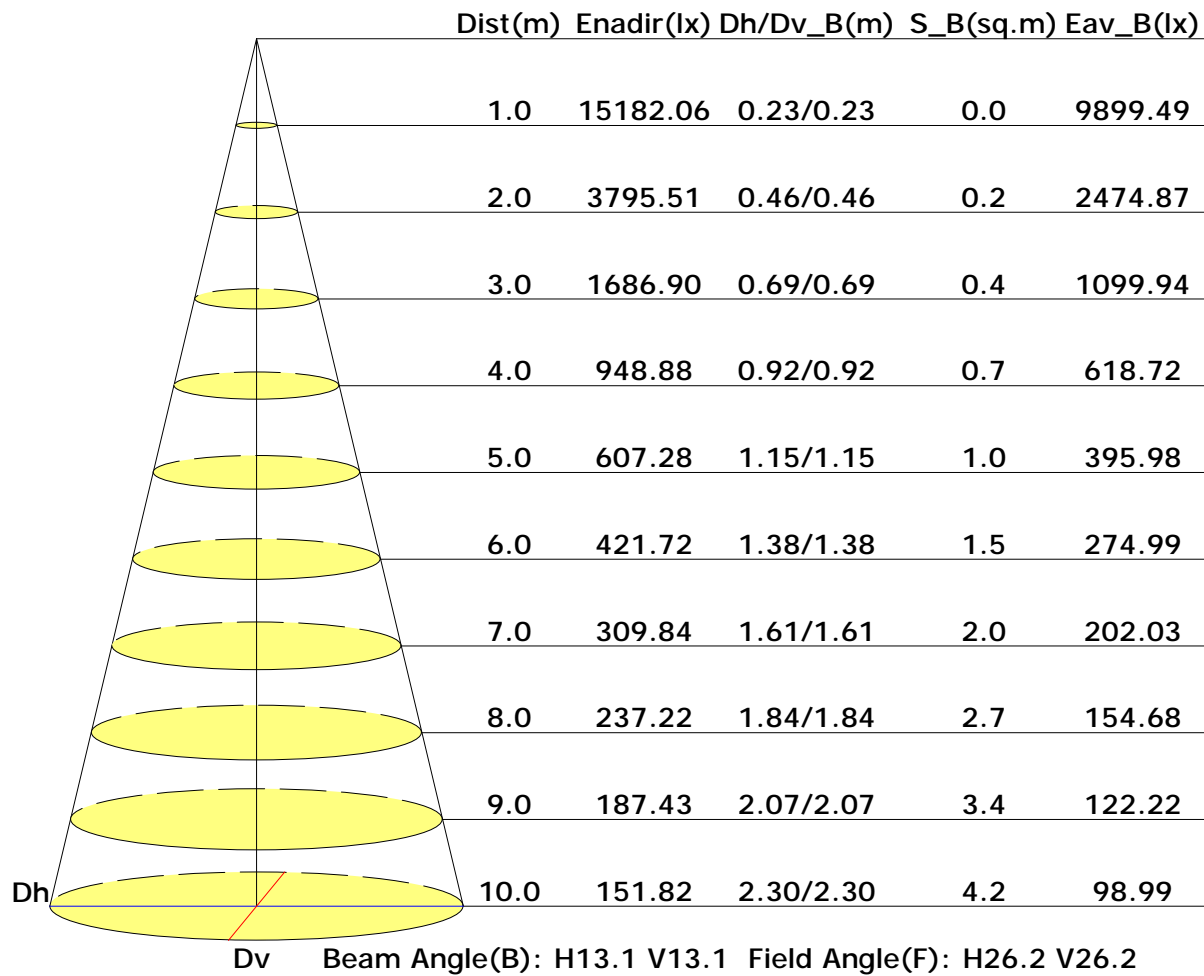
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

## Illuminance at a Distance

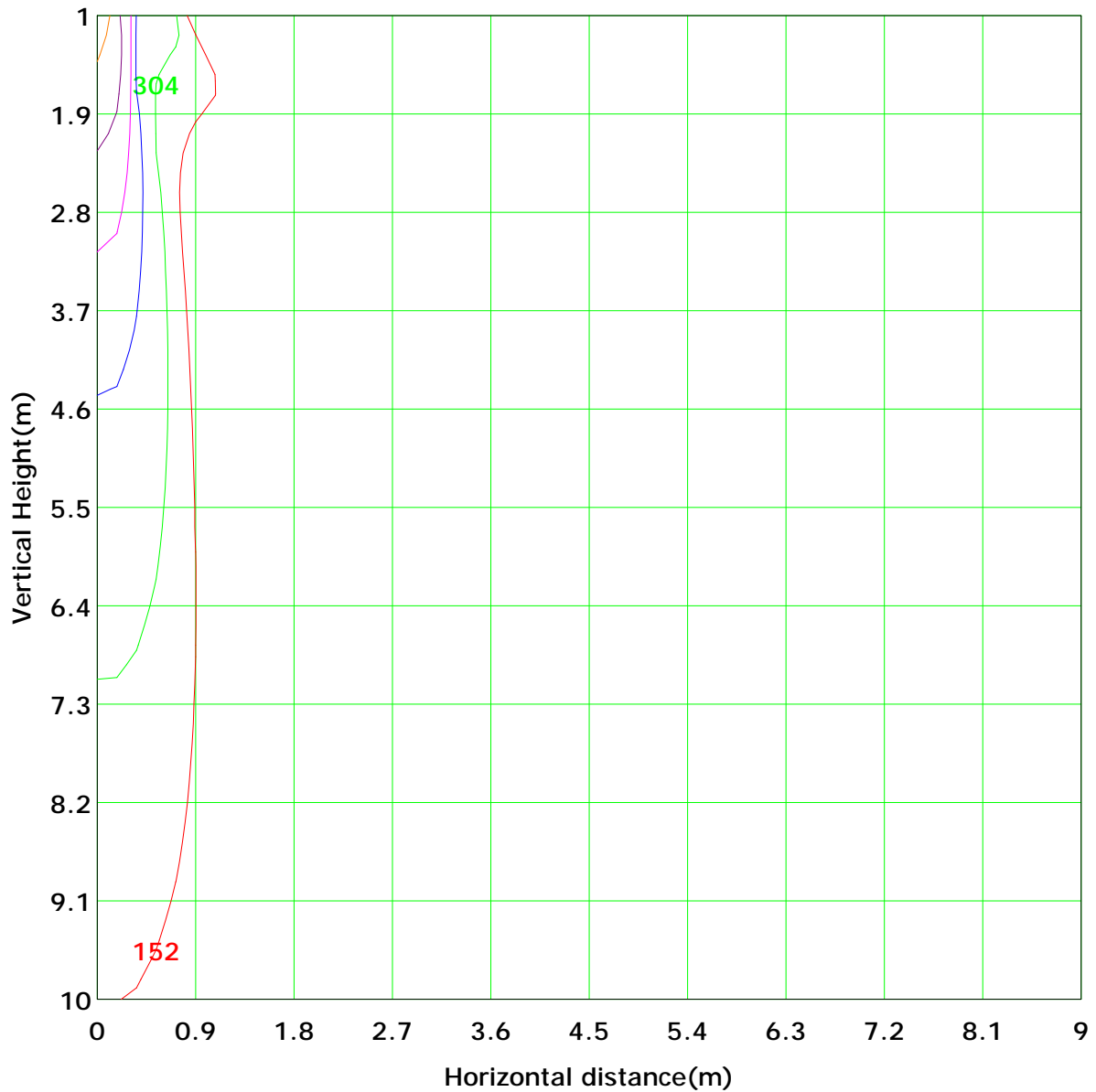


C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Vertical IsoLux Plot



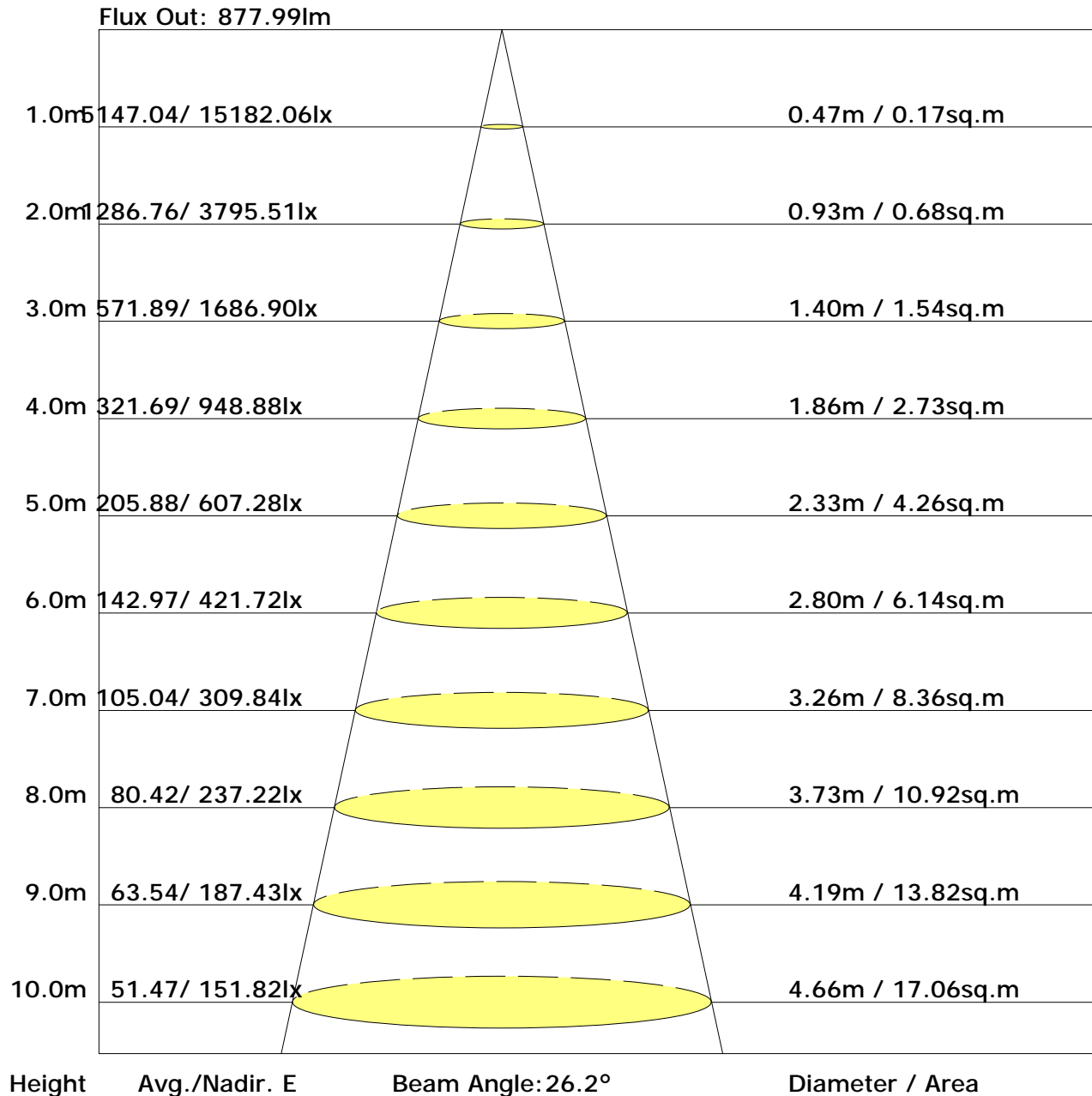
Lowest(m): 1.0m   Highest(m): 10.0m   Max Lux: 15182.1 lx

( 1%): 151.8 lx	( 2%): 303.6 lx
( 5%): 759.1 lx	( 10%): 1518.2 lx
( 20%): 3036.4 lx	( 50%): 7591.0 lx
(100%): 15182.1 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	14.4	15.0	14.6	15.2	15.4	14.2	14.9	14.5	15.1	15.3
3H	14.3	14.9	14.5	15.1	15.3	14.1	14.7	14.4	14.9	15.2
4H	14.2	14.8	14.5	15.0	15.3	14.0	14.6	14.3	14.8	15.1
6H	14.1	14.6	14.4	14.9	15.2	13.9	14.5	14.3	14.7	15.0
8H	14.1	14.6	14.4	14.9	15.2	13.9	14.4	14.2	14.7	15.0
12H	14.0	14.5	14.4	14.8	15.1	13.9	14.4	14.2	14.7	15.0
X=4H Y=2H	14.2	14.7	14.5	15.0	15.3	14.0	14.6	14.3	14.8	15.1
3H	14.0	14.5	14.4	14.8	15.1	13.9	14.4	14.2	14.7	15.0
4H	14.0	14.4	14.3	14.7	15.1	13.8	14.2	14.2	14.6	14.9
6H	13.9	14.3	14.3	14.6	15.0	13.7	14.1	14.1	14.5	14.8
8H	13.8	14.2	14.3	14.6	15.0	13.7	14.0	14.1	14.4	14.8
12H	13.8	14.1	14.2	14.5	14.9	13.6	13.9	14.0	14.3	14.8
X=8H Y=4H	13.8	14.2	14.3	14.6	15.0	13.7	14.0	14.1	14.4	14.8
6H	13.7	14.0	14.2	14.5	14.9	13.6	13.8	14.0	14.3	14.7
8H	13.7	13.9	14.2	14.4	14.9	13.5	13.8	14.0	14.2	14.7
12H	13.6	13.9	14.1	14.3	14.8	13.5	13.7	14.0	14.2	14.6
X=12H Y=4H	13.8	14.1	14.2	14.5	14.9	13.6	13.9	14.0	14.3	14.8
6H	13.7	13.9	14.2	14.4	14.9	13.5	13.8	14.0	14.2	14.7
8H	13.6	13.9	14.1	14.3	14.8	13.5	13.7	14.0	14.2	14.6
Variations with the observer position at spacings:										
S=1.0H	+5.4/-13.9					+5.4/-14.5				
S=1.5H	+8.2/-14.9					+8.2/-15.3				
S=2.0H	+10.2/-15.5					+10.2/-15.8				

Calculate in accordance with CIE Pub.117. The table is revised with 1738lm ( $8\log(F/F_0) = 1.9$ ).

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:

## 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	1.03	1.09	1.13	1.16	1.20	1.22	1.24	1.26	1.28
	0.30		0.99	1.05	1.09	1.12	1.17	1.19	1.21	1.24	1.26
	0.20		0.96	1.02	1.06	1.09	1.14	1.17	1.19	1.22	1.24
0.50	0.50	0.20	1.02	1.08	1.11	1.13	1.17	1.19	1.20	1.22	1.23
	0.30		0.98	1.04	1.08	1.10	1.14	1.16	1.18	1.20	1.22
	0.20		0.95	1.01	1.05	1.08	1.12	1.14	1.16	1.19	1.20
0.30	0.50	0.20	1.01	1.06	1.09	1.11	1.14	1.15	1.17	1.18	1.19
	0.30		0.97	1.03	1.06	1.08	1.12	1.14	1.15	1.17	1.18
	0.20		0.95	1.00	1.04	1.06	1.10	1.12	1.13	1.15	1.17
0.00	0.00	0.00	0.93	0.98	1.01	1.03	1.06	1.08	1.09	1.11	1.11
<p>Rating:23W 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 = 0.50								
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	0.56	0.46	0.38	0.33	0.26	0.22	0.19	0.14	0.12
	0.30		0.47	0.39	0.33	0.29	0.24	0.20	0.17	0.13	0.11
	0.20		0.40	0.34	0.30	0.26	0.22	0.18	0.16	0.13	0.11
0.50	0.50	0.20	0.53	0.43	0.36	0.31	0.24	0.25	0.17	0.13	0.10
	0.30		0.45	0.37	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.30	0.50	0.20	0.51	0.40	0.33	0.28	0.22	0.18	0.15	0.12	0.10
	0.30		0.43	0.35	0.30	0.26	0.20	0.17	0.14	0.11	0.09
	0.20		0.38	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.22	0.17	0.14	0.12	0.09	0.07	0.06	0.04	0.04
<p>Rating:23W 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	0.14	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.30		0.10	0.12	0.14	0.15	0.17	0.19	0.20	0.21	0.22
	0.20		0.07	0.09	0.11	0.13	0.15	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.13	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.23
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.21
	0.20		0.07	0.09	0.11	0.13	0.15	0.16	0.18	0.19	0.20
0.30	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	0.30		0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.15	0.16	0.17	0.19	0.20
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:23W 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	15111.8	14.5	14.5	0.83	0.83
1.0-2.0	14676.2	42.1	56.6	2.42	3.26
2.0-3.0	13832.4	66.2	122.8	3.81	7.06
3.0-4.0	12661.8	84.8	207.5	4.88	11.94
4.0-5.0	11201.9	96.4	303.9	5.55	17.49
5.0-6.0	9497.9	99.8	403.7	5.74	23.23
6.0-7.0	7733.0	96.0	499.7	5.52	28.75
7.0-8.0	6103.8	87.4	587.1	5.03	33.78
8.0-9.0	4723.5	76.6	663.7	4.41	38.19
9.0-10.0	3626.7	65.6	729.3	3.78	41.96
10.0-11.0	2786.6	55.7	785.0	3.20	45.17
11.0-12.0	2166.9	47.4	832.4	2.73	47.90
12.0-13.0	1732.9	41.1	873.5	2.37	50.26
13.0-14.0	1434.1	36.7	910.2	2.11	52.37
14.0-15.0	1224.7	33.6	943.8	1.93	54.31
15.0-16.0	1076.5	31.5	975.4	1.82	56.12
16.0-17.0	970.6	30.2	1005.6	1.74	57.86
17.0-18.0	895.0	29.5	1035.1	1.70	59.56
18.0-19.0	841.1	29.3	1064.4	1.68	61.25
19.0-20.0	800.7	29.3	1093.7	1.69	62.93
20.0-21.0	769.6	29.6	1123.3	1.70	64.63
21.0-22.0	746.8	30.0	1153.3	1.73	66.36
22.0-23.0	730.0	30.6	1183.9	1.76	68.12
23.0-24.0	716.0	31.3	1215.2	1.80	69.92
24.0-25.0	703.2	32.0	1247.2	1.84	71.77
25.0-26.0	691.1	32.6	1279.8	1.88	73.64
26.0-27.0	679.8	33.3	1313.1	1.91	75.56
27.0-28.0	668.9	33.9	1346.9	1.95	77.51
28.0-29.0	658.4	34.5	1381.4	1.98	79.49
29.0-30.0	648.5	35.0	1416.4	2.02	81.50
30.0-31.0	639.0	35.6	1452.0	2.05	83.55
31.0-32.0	628.5	36.0	1488.0	2.07	85.62
32.0-33.0	613.8	36.2	1524.2	2.08	87.70
33.0-34.0	582.5	35.3	1559.4	2.03	89.73
34.0-35.0	524.2	32.6	1592.0	1.87	91.60
35.0-36.0	446.1	28.4	1620.4	1.63	93.24

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	358.5	23.4	1643.8	1.35	94.59
37.0-38.0	269.0	18.0	1661.7	1.03	95.62
38.0-39.0	185.3	12.6	1674.4	0.73	96.35
39.0-40.0	115.9	8.1	1682.5	0.47	96.81
40.0-41.0	72.4	5.2	1687.6	0.30	97.11
41.0-42.0	57.5	4.2	1691.8	0.24	97.35
42.0-43.0	56.9	4.2	1696.0	0.24	97.59
43.0-44.0	59.0	4.5	1700.5	0.26	97.85
44.0-45.0	62.1	4.8	1705.2	0.27	98.12
45.0-46.0	63.9	5.0	1710.2	0.29	98.41
46.0-47.0	61.7	4.9	1715.1	0.28	98.69
47.0-48.0	54.7	4.4	1719.6	0.25	98.95
48.0-49.0	44.4	3.6	1723.2	0.21	99.16
49.0-50.0	33.1	2.8	1726.0	0.16	99.32
50.0-51.0	22.8	1.9	1727.9	0.11	99.43
51.0-52.0	14.9	1.3	1729.2	0.07	99.50
52.0-53.0	9.8	0.9	1730.0	0.05	99.55
53.0-54.0	7.3	0.6	1730.7	0.04	99.59
54.0-55.0	6.2	0.5	1731.2	0.03	99.62
55.0-56.0	5.3	0.5	1731.7	0.03	99.65
56.0-57.0	4.6	0.4	1732.1	0.02	99.67
57.0-58.0	4.2	0.4	1732.5	0.02	99.69
58.0-59.0	4.0	0.4	1732.9	0.02	99.71
59.0-60.0	3.9	0.4	1733.3	0.02	99.73
60.0-61.0	3.8	0.4	1733.6	0.02	99.76
61.0-62.0	3.5	0.3	1734.0	0.02	99.77
62.0-63.0	3.4	0.3	1734.3	0.02	99.79
63.0-64.0	3.2	0.3	1734.6	0.02	99.81
64.0-65.0	3.1	0.3	1734.9	0.02	99.83
65.0-66.0	3.2	0.3	1735.2	0.02	99.85
66.0-67.0	2.9	0.3	1735.5	0.02	99.86
67.0-68.0	2.6	0.3	1735.8	0.02	99.88
68.0-69.0	2.4	0.2	1736.0	0.01	99.89
69.0-70.0	2.4	0.2	1736.3	0.01	99.91
70.0-71.0	2.3	0.2	1736.5	0.01	99.92
71.0-72.0	2.2	0.2	1736.7	0.01	99.93

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	15182.1	15222.0	15234.9	15245.3	15182.1	15222.0	15234.9	15245.3	15182.1	
G1.0	15288.2	15135.4	14914.1	14801.3	14632.4	14854.6	15110.7	15283.0	15288.2	
G2.0	14951.3	14587.7	14158.9	13909.5	13658.7	14056.6	14540.1	14937.0	14951.3	
G3.0	14144.6	13625.4	13064.3	12679.3	12429.5	12959.6	13557.8	14058.9	14144.6	
G4.0	13035.3	12432.8	11725.1	11183.1	10931.8	11580.0	12311.5	12869.2	13035.3	
G5.0	11629.5	10920.4	10050.9	9438.9	9165.3	9878.2	10730.5	11347.8	11629.5	
G6.0	9875.3	9158.2	8257.3	7617.2	7358.3	8072.6	8936.9	9528.4	9875.3	
G7.0	8071.2	7400.7	6534.1	5953.5	5721.2	6392.7	7148.9	7701.4	8071.2	
G8.0	6386.1	5796.4	5091.6	4567.7	4419.2	4964.1	5520.4	5991.5	6386.1	
G9.0	4934.1	4494.8	3930.0	3507.4	3386.5	3798.6	4240.2	4548.1	4934.1	
G10.0	3802.4	3454.1	3024.8	2694.5	2598.9	2893.4	3244.7	3474.5	3802.4	
G11.0	2908.2	2645.5	2336.6	2099.2	2027.8	2230.1	2483.2	2666.9	2908.2	
G12.0	2244.3	2057.3	1850.3	1694.2	1644.7	1768.9	1938.3	2074.9	2244.3	
G13.0	1777.0	1653.3	1524.3	1416.7	1377.7	1464.3	1570.9	1668.5	1777.0	
G14.0	1466.7	1380.6	1292.1	1211.2	1185.0	1244.5	1317.8	1394.4	1466.7	
G15.0	1249.2	1187.4	1126.0	1067.9	1052.2	1087.4	1138.8	1194.0	1249.2	
G16.0	1095.5	1051.7	1005.1	966.1	954.7	976.1	1015.1	1056.5	1095.5	
G17.0	984.6	953.2	919.9	891.8	882.8	896.6	924.7	955.1	984.6	
G18.0	904.2	884.2	860.0	840.4	834.3	843.8	860.9	883.3	904.2	
G19.0	849.5	835.7	816.6	799.0	792.8	801.9	817.1	834.7	849.5	
G20.0	808.5	797.6	782.8	767.2	761.9	769.5	780.5	796.2	808.5	
G21.0	774.8	765.7	756.7	746.2	742.4	746.2	753.3	764.3	774.8	
G22.0	751.4	745.3	739.1	730.5	727.7	729.5	733.4	741.9	751.4	
G23.0	734.3	729.1	724.3	716.2	714.8	716.2	719.1	726.7	734.3	
G24.0	719.6	714.8	712.4	704.8	703.4	703.8	704.8	712.4	719.6	
G25.0	705.8	700.5	700.5	692.4	690.0	691.5	693.9	701.0	705.8	
G26.0	693.4	688.2	688.2	680.5	681.5	681.5	681.5	687.7	693.4	
G27.0	680.5	677.7	676.7	670.1	670.1	670.1	672.0	676.7	680.5	
G28.0	670.1	668.2	666.3	659.1	659.6	658.6	661.0	666.3	670.1	
G29.0	660.1	657.2	657.2	651.0	647.7	647.7	650.1	654.8	660.1	
G30.0	649.1	647.2	647.2	642.5	639.6	639.1	640.6	644.8	649.1	
G31.0	640.6	638.7	637.7	632.0	628.7	629.1	632.5	635.3	640.6	
G32.0	632.0	625.8	623.9	620.6	615.8	616.8	622.0	624.8	632.0	
G33.0	620.6	614.9	606.3	592.5	586.3	596.3	611.0	612.0	620.6	
G34.0	597.3	575.8	552.5	534.0	522.1	542.0	572.0	583.9	597.3	
G35.0	538.7	508.3	474.5	454.0	440.2	464.0	504.5	523.0	538.7	
G36.0	458.3	424.0	388.8	366.4	351.7	376.9	420.7	443.5	458.3	

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	370.7	334.6	297.0	270.8	261.3	287.4	329.8	354.5	370.7	
G38.0	277.9	245.6	208.9	184.6	176.6	202.3	240.3	261.7	277.9	
G39.0	193.2	161.8	130.4	112.8	107.6	125.6	158.0	177.0	193.2	
G40.0	119.0	95.2	73.8	64.7	63.8	73.8	90.9	106.6	119.0	
G41.0	68.5	57.6	54.7	54.3	56.2	58.5	58.5	62.3	68.5	
G42.0	55.2	55.2	55.2	56.2	58.1	60.0	56.2	53.3	55.2	
G43.0	56.2	56.2	57.1	57.6	60.9	60.9	57.1	55.2	56.2	
G44.0	58.1	57.1	60.9	61.9	65.2	63.8	60.0	55.7	58.1	
G45.0	61.4	62.3	64.7	65.2	67.1	65.2	64.3	60.9	61.4	
G46.0	64.7	62.8	64.7	63.8	62.8	62.8	65.2	64.3	64.7	
G47.0	64.7	60.0	60.0	56.2	54.7	56.2	61.9	62.8	64.7	
G48.0	57.1	50.5	49.5	45.7	41.9	43.3	54.3	57.1	57.1	
G49.0	47.6	40.0	38.1	34.3	30.5	30.9	42.3	47.1	47.6	
G50.0	35.7	28.5	26.2	22.8	20.0	20.5	30.9	34.7	35.7	
G51.0	24.8	18.6	17.1	14.8	12.9	13.8	20.0	23.8	24.8	
G52.0	15.2	11.4	10.9	9.0	8.6	9.5	13.3	14.8	15.2	
G53.0	10.0	7.6	6.7	6.7	6.7	7.6	9.0	10.5	10.0	
G54.0	7.6	6.2	6.2	6.2	6.2	6.2	6.7	7.6	7.6	
G55.0	6.2	6.2	5.2	5.2	5.2	5.2	6.2	6.2	6.2	
G56.0	5.2	4.3	4.3	4.8	5.2	4.3	5.2	5.2	5.2	
G57.0	5.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.2	
G58.0	4.3	4.3	3.8	3.8	3.8	3.8	4.3	4.3	4.3	
G59.0	4.3	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.3	
G60.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
G61.0	3.8	3.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
G62.0	3.8	2.9	2.9	2.9	3.8	3.8	3.8	2.9	3.8	
G63.0	3.8	3.3	3.3	3.3	3.3	3.3	3.3	3.8	3.8	
G64.0	2.9	2.9	2.9	2.9	2.9	2.9	3.3	3.3	2.9	
G65.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	3.3	
G66.0	2.9	2.9	2.9	2.9	3.3	2.9	3.3	3.3	2.9	
G67.0	2.9	2.4	2.9	2.4	2.9	3.3	2.9	1.9	2.9	
G68.0	3.3	2.9	1.9	2.4	2.4	1.9	2.4	3.3	3.3	
G69.0	3.3	1.9	2.4	1.9	1.9	2.4	1.9	2.9	3.3	
G70.0	3.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.3	
G71.0	1.9	1.9	1.9	1.9	1.9	2.4	1.9	2.4	1.9	
G72.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
G73.0	1.9	1.4	1.9	1.9	2.4	1.9	2.4	2.4	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: