

Report No.: LE-06TR HUGO CRI90+ (15W-24D)

Test Time: 2018-08-20 11:20

## Luminaire Property

Luminaire Category:

Lamp Description: CREE-3000K

Length (mm): 175

Voltage: 234.7 V

Power: 15.30 W

Number of Lamps: 1

Width (mm): 62

Current: 0.071 A

Power Factor: 0.920

## Photometric Results

CIE Class: Direct

Measurement Flux: 1040 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 51.5, 51.2, 51.3, 51.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 21.7, 21.5, 21.6, 21.6

Luminaire Efficacy Rating (LER): 68.03

Max. Intensity: 4954.09 cd

S/MH(C0/C180): 0.37

Total Rated Lamp Lumens: 1040.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 4831.78 cd

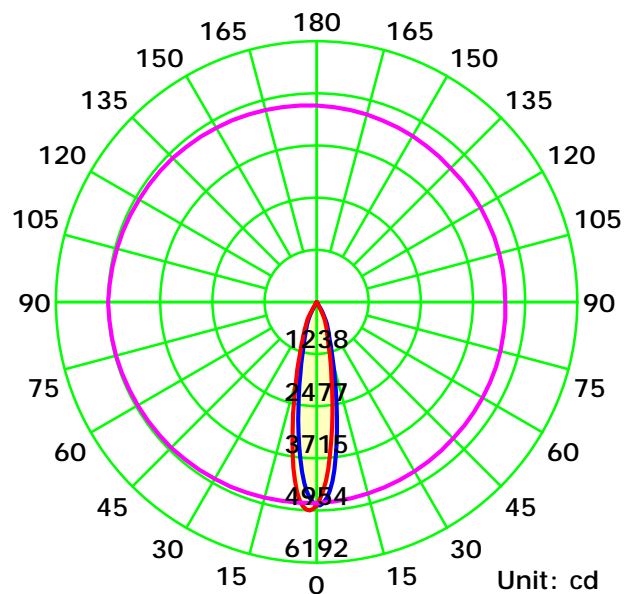
Pos of Max. Intensity: H270 V2

S/MH(C90/C270): 0.38

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

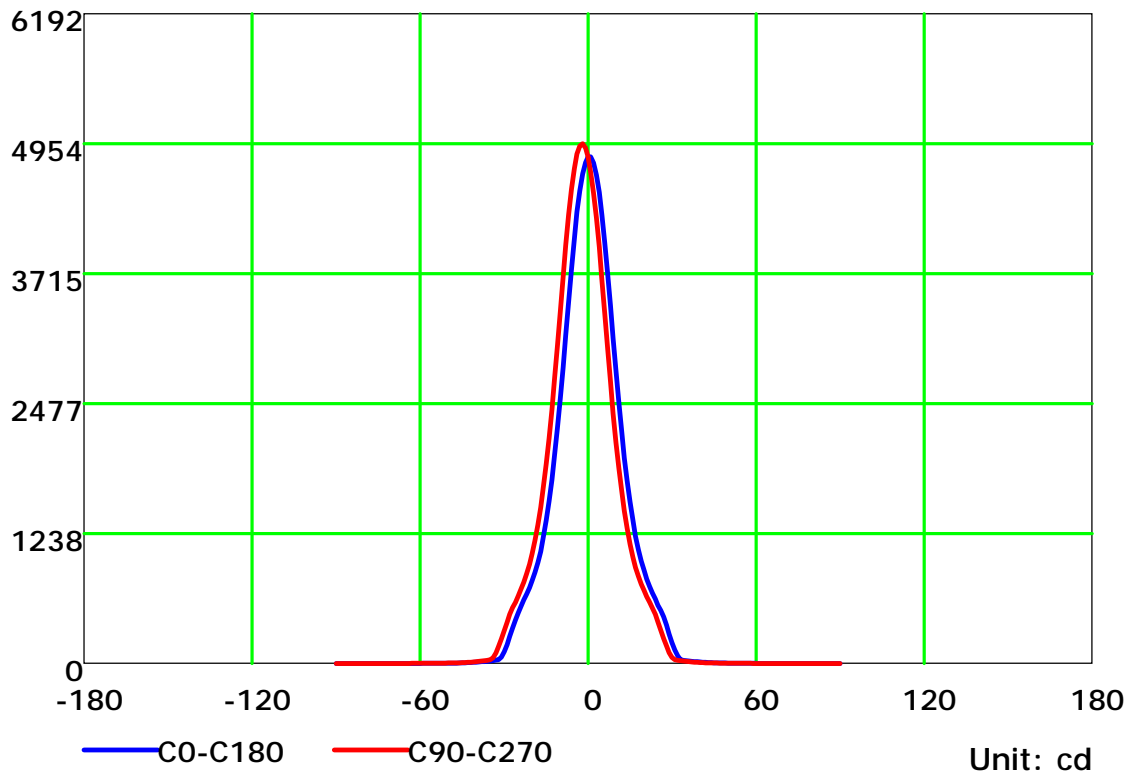
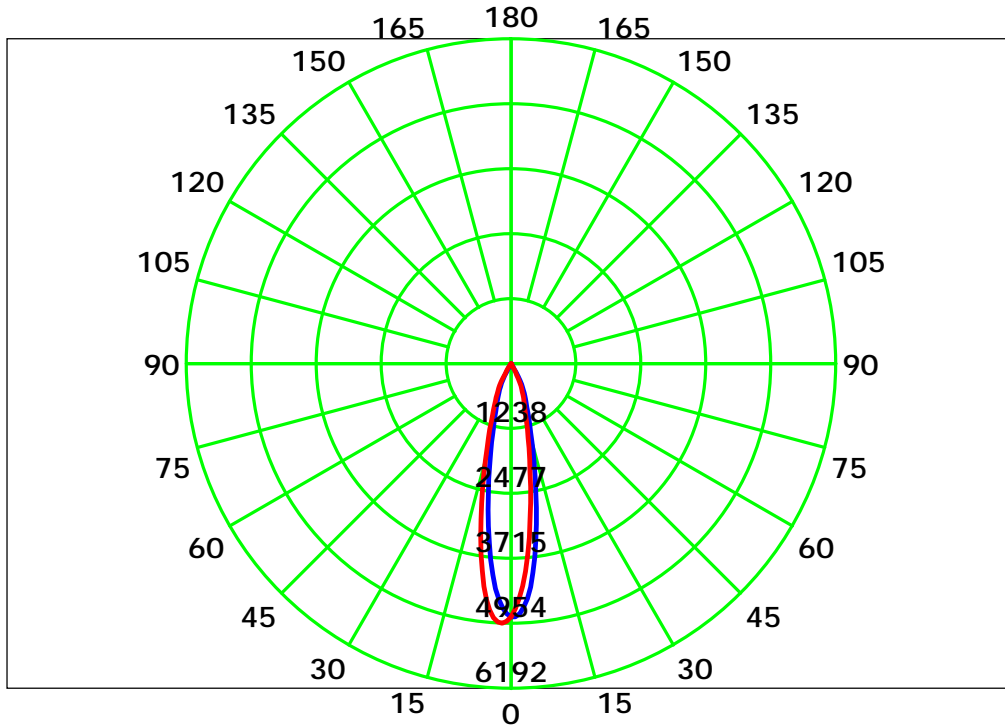
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

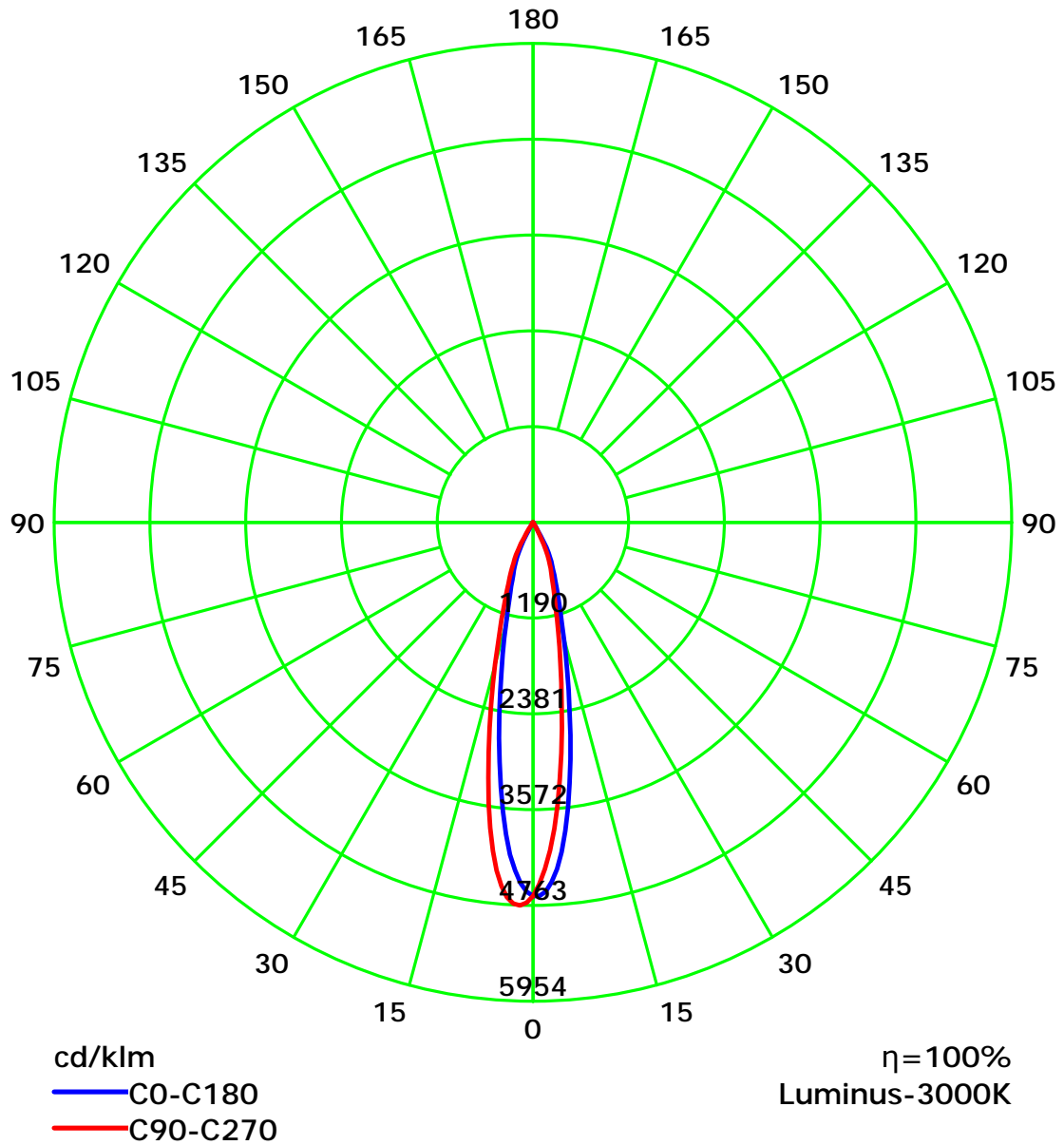
## Luminous Intensity Distribution Curve



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:

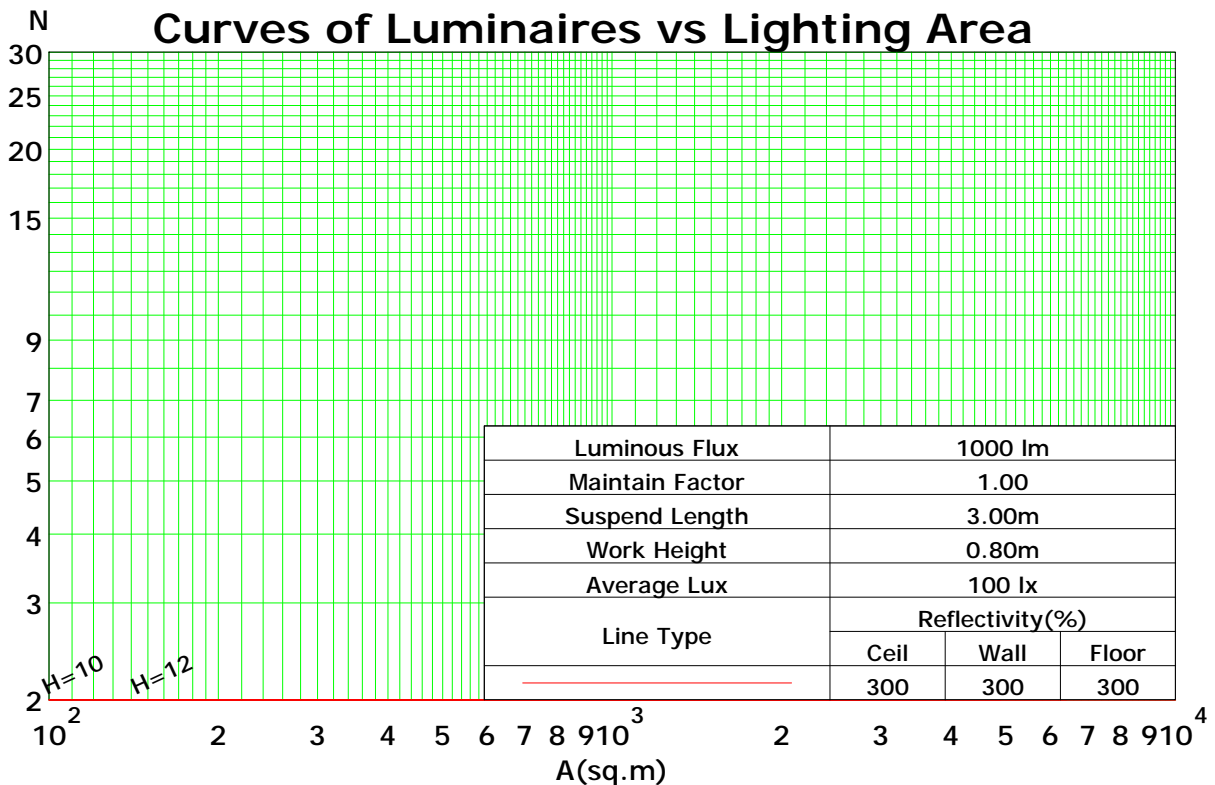
## Coefficients Of Utilization - Zonal Cavity Method

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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	90	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	83	81	86	83	80	85	82	80	84	82	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	89	83	78	76	89	82	78	75	81	78	75	81	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	76	73	78	75	73	78	75	73	72

Spacing Criteria (0-180): 0.37

Spacing Criteria (90-270): 0.38

Spacing Criteria (Diagonal): 0.40



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

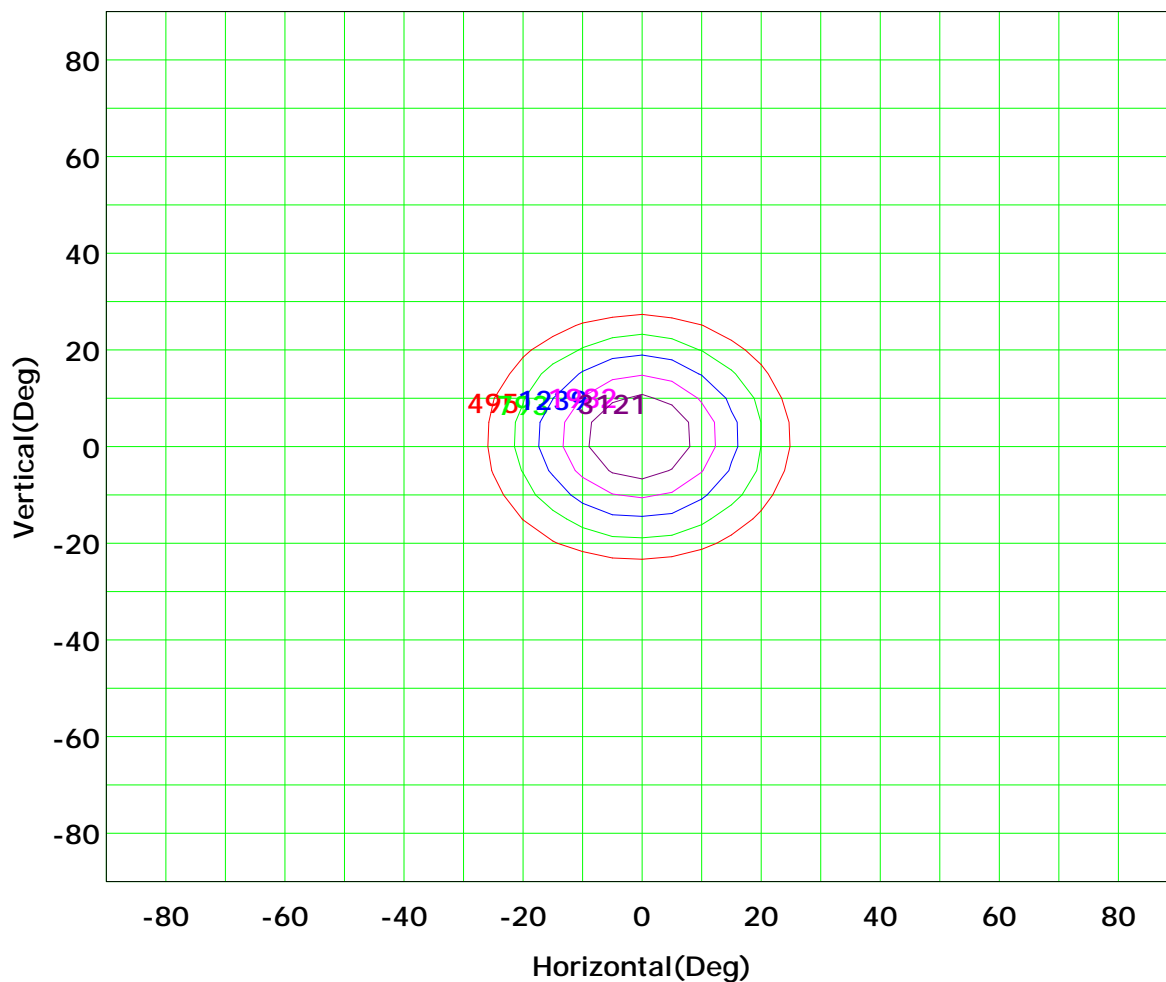
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



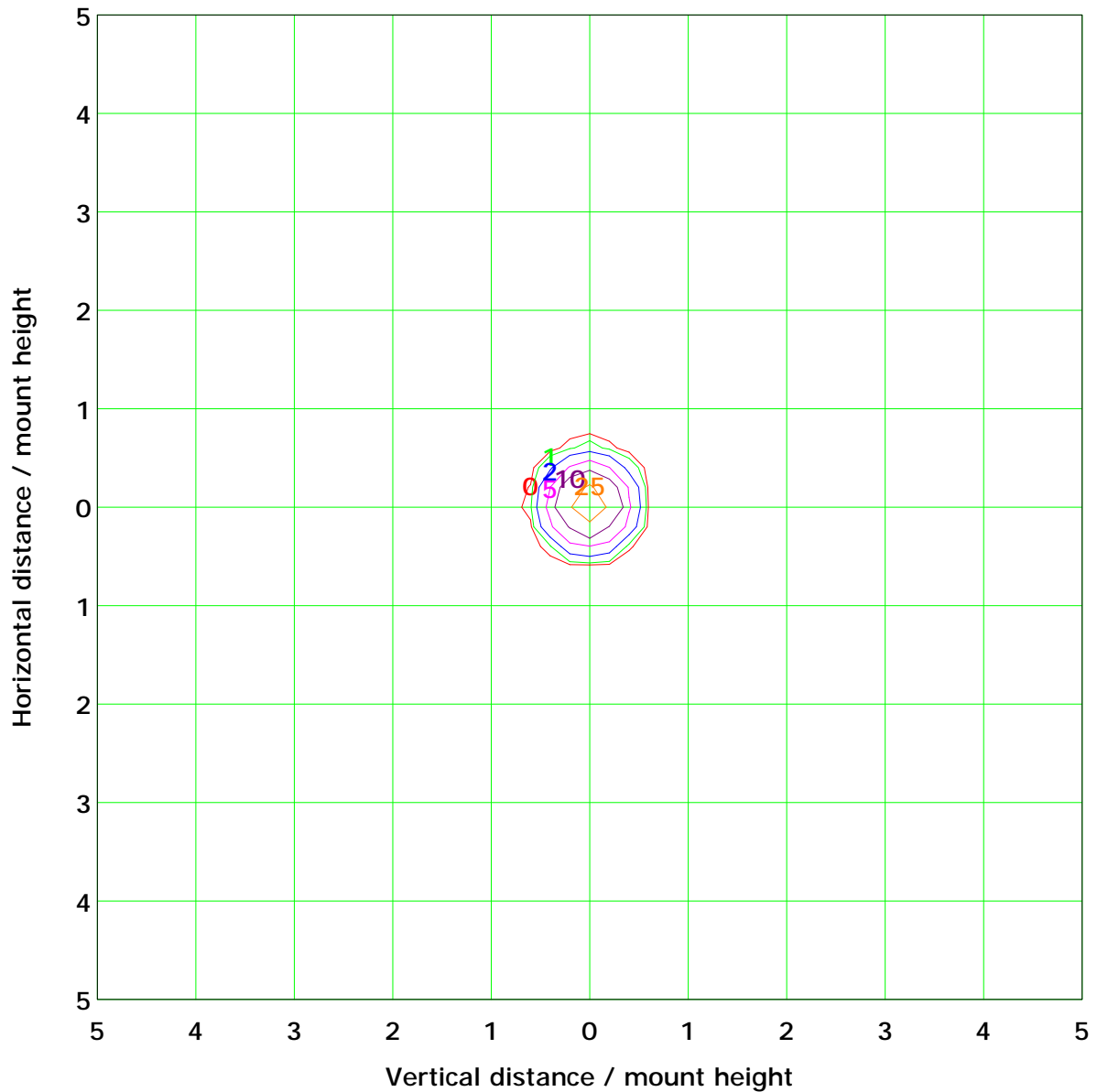
Imax (100%): 4954 cd

( 10%): 495 cd	( 16%): 793 cd
( 25%): 1239 cd	( 40%): 1982 cd
( 63%): 3121 cd	(100%): 4954 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%): 49.5 lx

( 1%): 0.5 lx	( 2%): 1.0 lx
( 5%): 2.5 lx	( 10%): 4.9 lx
( 20%): 9.9 lx	( 50%): 24.7 lx
(100%): 49.5 lx	

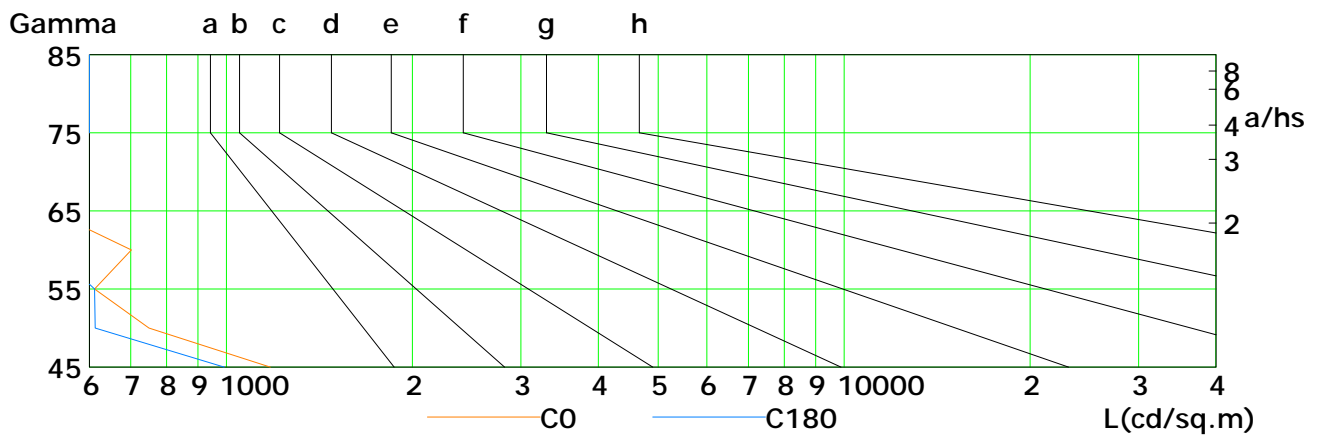
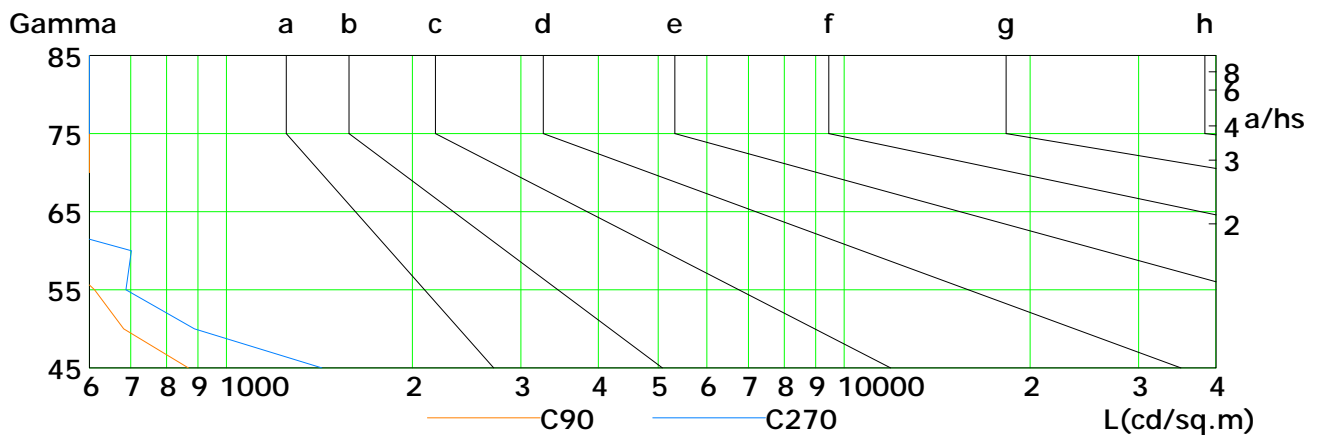
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	1178	750	612	702	519	129	0	0	0
C90	868	683	612	527	312	0	0	0	0
C180	992	614	612	527	312	129	0	0	0
C270	1427	888	688	702	414	129	0	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

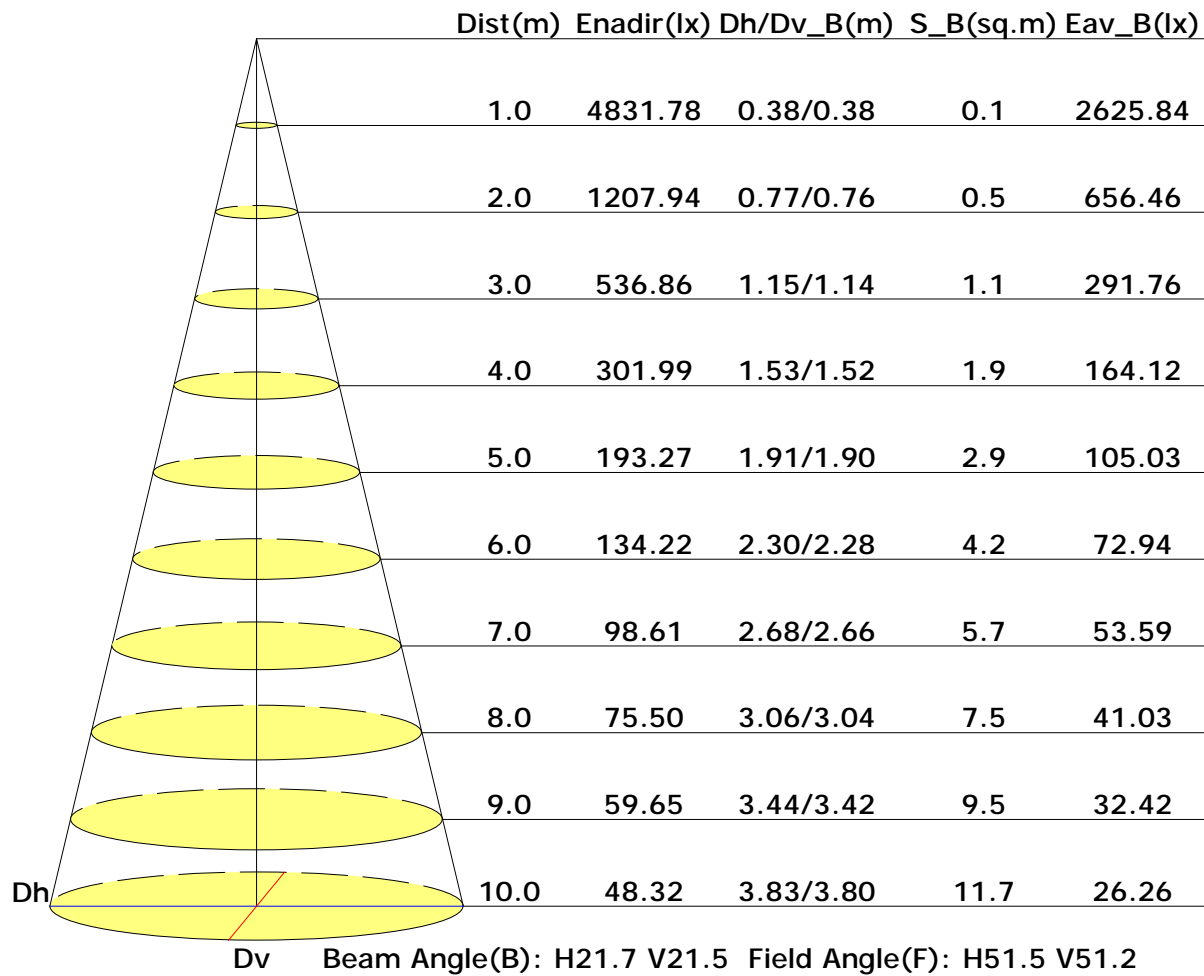
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

## Illuminance at a Distance

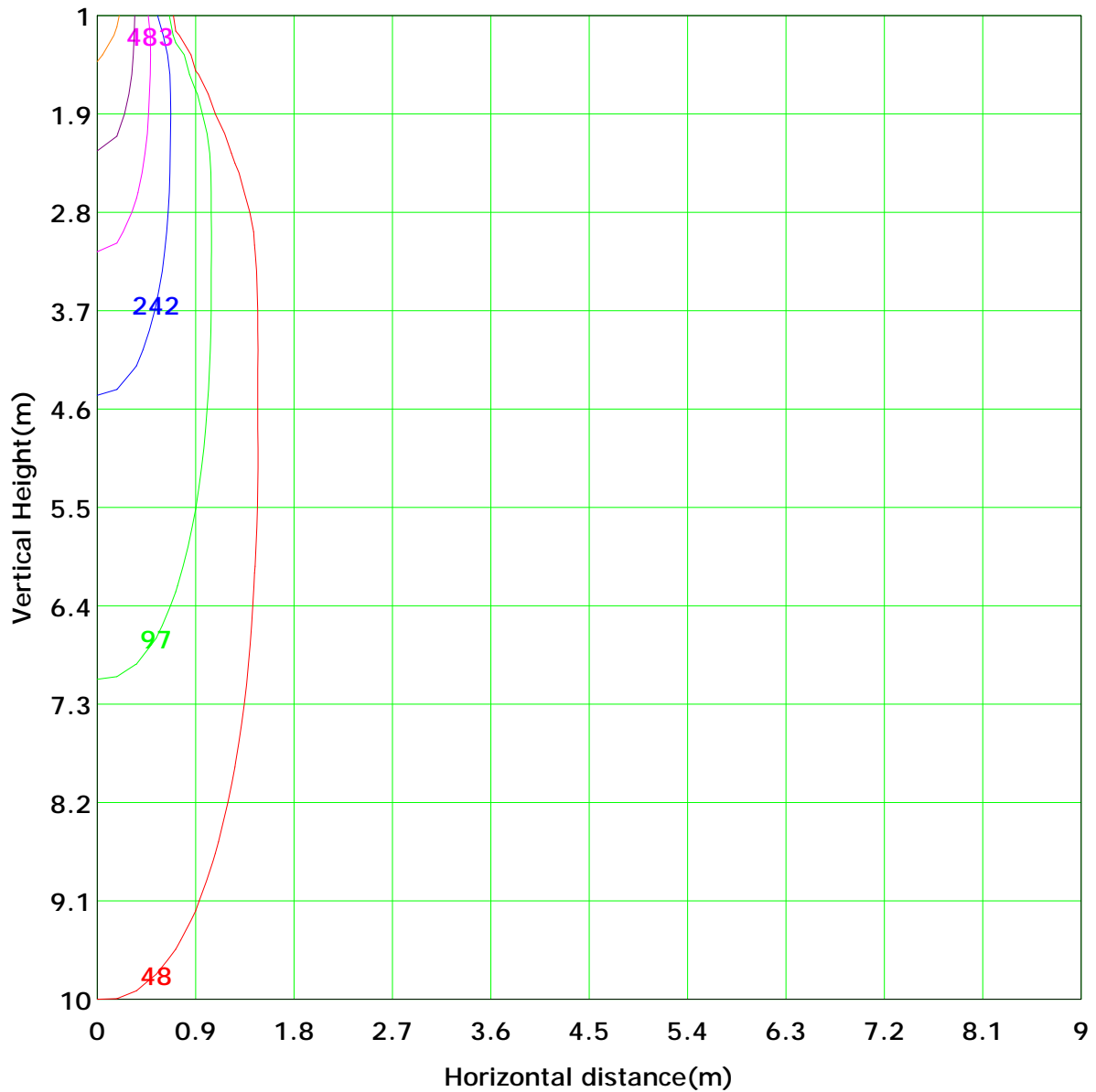


C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Vertical IsoLux Plot



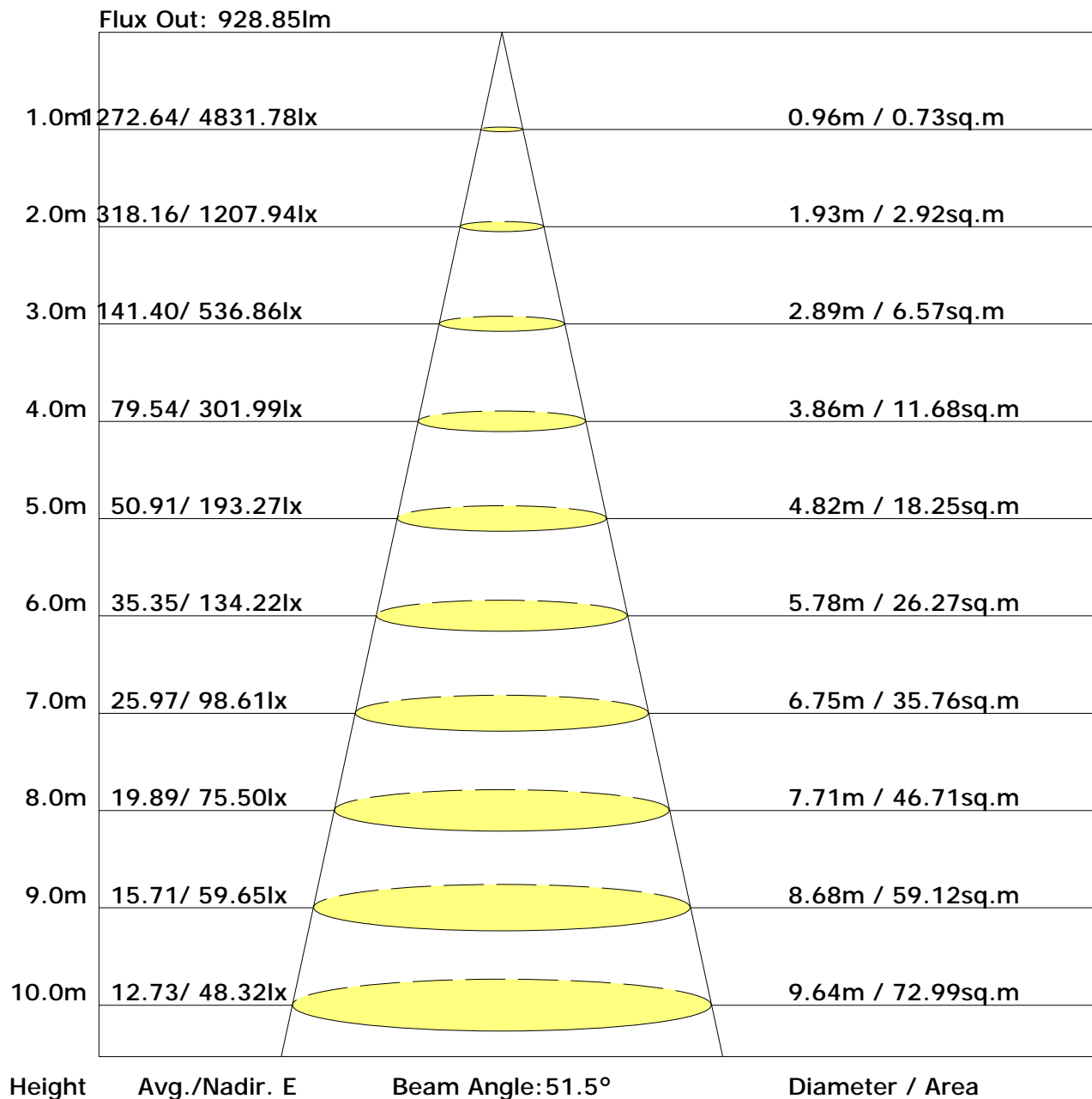
Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 4831.8 lx

( 1%): 48.3 lx	( 2%): 96.6 lx
( 5%): 241.6 lx	( 10%): 483.2 lx
( 20%): 966.4 lx	( 50%): 2415.9 lx
(100%): 4831.8 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:

## 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	2.4	3.1	2.7	3.2	3.4	4.1	4.7	4.4	4.9	5.1
3H	2.5	3.0	2.8	3.3	3.5	4.0	4.6	4.3	4.8	5.1
4H	2.4	2.9	2.7	3.2	3.4	4.0	4.5	4.3	4.8	5.0
6H	2.3	2.8	2.7	3.1	3.4	3.9	4.4	4.2	4.7	5.0
8H	2.3	2.8	2.6	3.1	3.4	3.9	4.3	4.2	4.6	4.9
12H	2.3	2.7	2.6	3.0	3.3	3.8	4.3	4.2	4.6	4.9
X=4H Y=2H	2.4	3.0	2.7	3.2	3.5	4.0	4.6	4.3	4.8	5.1
3H	2.5	2.9	2.8	3.2	3.5	4.0	4.4	4.3	4.7	5.0
4H	2.4	2.8	2.7	3.1	3.5	3.9	4.3	4.2	4.6	5.0
6H	2.3	2.7	2.7	3.0	3.4	3.8	4.1	4.2	4.5	4.9
8H	2.2	2.6	2.7	3.0	3.4	3.7	4.1	4.1	4.5	4.9
12H	2.2	2.5	2.6	2.9	3.3	3.7	4.0	4.1	4.4	4.8
X=8H Y=4H	2.2	2.6	2.7	3.0	3.4	3.7	4.1	4.2	4.5	4.9
6H	2.1	2.4	2.6	2.8	3.3	3.6	3.9	4.1	4.3	4.8
8H	2.1	2.3	2.6	2.8	3.2	3.6	3.8	4.1	4.3	4.7
12H	2.0	2.3	2.5	2.7	3.2	3.5	3.7	4.0	4.2	4.7
X=12H Y=4H	2.2	2.5	2.6	2.9	3.3	3.7	4.0	4.1	4.4	4.8
6H	2.1	2.3	2.6	2.8	3.2	3.6	3.8	4.1	4.3	4.7
8H	2.0	2.3	2.5	2.7	3.2	3.5	3.7	4.0	4.2	4.7
Variations with the observer position at spacings:										
S=1.0H	+4.3/-3.5					+6.3/-7.3				
S=1.5H	+6.9/-4.0					+9.0/-7.2				
S=2.0H	+8.8/-7.8					+11.0/-12.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1040lm ( $8\log(F/F_0) = 0.1$ ).

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	0.96	1.01	1.04	1.07	1.10	1.12	1.13	1.15	1.16
	0.30		0.92	0.97	1.01	1.03	1.07	1.09	1.11	1.13	1.15
	0.20		0.89	0.94	0.98	1.01	1.05	1.07	1.09	1.12	1.13
0.50	0.50	0.20	0.95	0.99	1.02	1.04	1.07	1.09	1.10	1.11	1.12
	0.30		0.91	0.96	0.99	1.01	1.05	1.07	1.08	1.10	1.11
	0.20		0.89	0.94	0.97	0.99	1.03	1.05	1.06	1.08	1.10
0.30	0.50	0.20	0.93	0.98	1.00	1.02	1.04	1.06	1.07	1.08	1.08
	0.30		0.91	0.95	0.98	1.00	1.02	1.04	1.05	1.07	1.07
	0.20		0.88	0.93	0.96	0.98	1.01	1.03	1.04	1.05	1.07
0.00	0.00	0.00	0.87	0.91	0.94	0.95	0.98	0.99	1.00	1.01	1.02
<p>Rating: 15W 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	0.49	0.39	0.33	0.29	0.23	0.19	0.16	0.12	0.10
	0.30		0.41	0.34	0.29	0.25	0.21	0.17	0.15	0.12	0.10
	0.20		0.35	0.29	0.26	0.23	0.19	0.16	0.14	0.11	0.09
0.50	0.50	0.20	0.46	0.37	0.31	0.26	0.21	0.22	0.15	0.11	0.09
	0.30		0.39	0.32	0.27	0.24	0.19	0.16	0.14	0.11	0.09
	0.20		0.34	0.28	0.24	0.21	0.17	0.15	0.13	0.10	0.08
0.30	0.50	0.20	0.44	0.34	0.29	0.24	0.19	0.15	0.13	0.10	0.08
	0.30		0.37	0.30	0.26	0.22	0.17	0.15	0.12	0.10	0.08
	0.20		0.33	0.27	0.23	0.20	0.16	0.14	0.12	0.09	0.08
0.00	0.00	0.00	0.18	0.14	0.11	0.09	0.07	0.06	0.05	0.04	0.03
<p>Rating: 15W 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 = 0.50								
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	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.21
	0.30		0.09	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	0.19
0.50	0.50	0.20	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.14	0.15	0.17	0.17	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.18
0.30	0.50	0.20	0.12	0.13	0.14	0.15	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		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating: 15W 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	4807.3	4.6	4.6	0.44	0.44
1.0-2.0	4751.7	13.6	18.2	1.31	1.75
2.0-3.0	4645.1	22.2	40.5	2.14	3.89
3.0-4.0	4489.5	30.1	70.5	2.89	6.78
4.0-5.0	4285.3	36.9	107.4	3.55	10.33
5.0-6.0	4037.7	42.4	149.8	4.08	14.41
6.0-7.0	3757.7	46.6	196.5	4.49	18.89
7.0-8.0	3456.2	49.5	245.9	4.76	23.65
8.0-9.0	3147.2	51.0	297.0	4.90	28.55
9.0-10.0	2841.8	51.4	348.4	4.95	33.50
10.0-11.0	2547.5	50.9	399.3	4.90	38.39
11.0-12.0	2271.3	49.7	449.0	4.77	43.17
12.0-13.0	2016.6	47.9	496.8	4.60	47.77
13.0-14.0	1786.4	45.7	542.6	4.40	52.17
14.0-15.0	1581.5	43.4	586.0	4.18	56.34
15.0-16.0	1401.2	41.1	627.0	3.95	60.29
16.0-17.0	1245.2	38.8	665.8	3.73	64.02
17.0-18.0	1112.0	36.7	702.5	3.53	67.55
18.0-19.0	997.8	34.7	737.2	3.34	70.88
19.0-20.0	899.9	32.9	770.2	3.17	74.05
20.0-21.0	816.7	31.4	801.5	3.02	77.07
21.0-22.0	743.3	29.9	831.4	2.87	79.94
22.0-23.0	675.8	28.4	859.7	2.73	82.67
23.0-24.0	613.0	26.8	886.6	2.58	85.24
24.0-25.0	551.7	25.1	911.6	2.41	87.66
25.0-26.0	487.3	23.0	934.6	2.21	89.87
26.0-27.0	420.5	20.6	955.2	1.98	91.85
27.0-28.0	350.8	17.8	973.0	1.71	93.55
28.0-29.0	276.9	14.5	987.5	1.39	94.95
29.0-30.0	204.6	11.0	998.5	1.06	96.01
30.0-31.0	142.4	7.9	1006.5	0.76	96.77
31.0-32.0	96.1	5.5	1012.0	0.53	97.30
32.0-33.0	64.1	3.8	1015.7	0.36	97.66
33.0-34.0	43.4	2.6	1018.4	0.25	97.92
34.0-35.0	32.5	2.0	1020.4	0.19	98.11
35.0-36.0	27.5	1.7	1022.1	0.17	98.28

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	24.3	1.6	1023.7	0.15	98.43
37.0-38.0	21.5	1.4	1025.1	0.14	98.57
38.0-39.0	18.9	1.3	1026.4	0.12	98.69
39.0-40.0	16.6	1.2	1027.6	0.11	98.80
40.0-41.0	14.6	1.0	1028.6	0.10	98.90
41.0-42.0	12.9	0.9	1029.6	0.09	98.99
42.0-43.0	11.5	0.9	1030.4	0.08	99.08
43.0-44.0	10.2	0.8	1031.2	0.07	99.15
44.0-45.0	9.0	0.7	1031.9	0.07	99.22
45.0-46.0	8.0	0.6	1032.5	0.06	99.28
46.0-47.0	7.0	0.6	1033.1	0.05	99.33
47.0-48.0	6.5	0.5	1033.6	0.05	99.38
48.0-49.0	5.9	0.5	1034.1	0.05	99.43
49.0-50.0	5.3	0.4	1034.5	0.04	99.47
50.0-51.0	4.8	0.4	1034.9	0.04	99.51
51.0-52.0	4.6	0.4	1035.3	0.04	99.55
52.0-53.0	4.3	0.4	1035.7	0.04	99.58
53.0-54.0	4.0	0.4	1036.1	0.03	99.62
54.0-55.0	4.0	0.4	1036.4	0.03	99.65
55.0-56.0	4.0	0.4	1036.8	0.03	99.69
56.0-57.0	3.9	0.4	1037.1	0.03	99.72
57.0-58.0	3.6	0.3	1037.5	0.03	99.75
58.0-59.0	3.6	0.3	1037.8	0.03	99.78
59.0-60.0	3.5	0.3	1038.1	0.03	99.82
60.0-61.0	3.3	0.3	1038.4	0.03	99.85
61.0-62.0	3.0	0.3	1038.7	0.03	99.88
62.0-63.0	2.6	0.3	1039.0	0.02	99.90
63.0-64.0	2.3	0.2	1039.2	0.02	99.92
64.0-65.0	1.9	0.2	1039.4	0.02	99.94
65.0-66.0	1.7	0.2	1039.6	0.02	99.96
66.0-67.0	1.4	0.1	1039.7	0.01	99.97
67.0-68.0	1.1	0.1	1039.8	0.01	99.98
68.0-69.0	0.9	0.1	1039.9	0.01	99.99
69.0-70.0	0.5	0.1	1040.0	0.01	99.99
70.0-71.0	0.3	0.0	1040.0	0.00	100.00
71.0-72.0	0.2	0.0	1040.0	0.00	100.00

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	4831.8	4832.7	4828.9	4795.6	4831.8	4832.7	4828.9	4795.6	4831.8	
G1.0	4830.4	4736.1	4680.0	4670.5	4776.1	4863.2	4916.0	4866.0	4830.4	
G2.0	4772.8	4585.7	4483.0	4497.7	4667.6	4838.4	4954.1	4889.4	4772.8	
G3.0	4655.2	4394.0	4247.4	4276.9	4506.7	4769.9	4935.5	4847.5	4655.2	
G4.0	4492.0	4159.3	3969.4	4008.5	4305.0	4651.4	4858.0	4755.6	4492.0	
G5.0	4278.3	3875.7	3655.4	3713.9	4047.5	4496.8	4718.5	4580.0	4278.3	
G6.0	4011.3	3566.4	3336.5	3398.9	3756.7	4270.2	4523.4	4373.0	4011.3	
G7.0	3717.7	3254.2	3003.4	3080.0	3446.4	3979.4	4278.3	4127.9	3717.7	
G8.0	3407.9	2932.0	2686.9	2764.0	3130.4	3675.4	3987.5	3827.6	3407.9	
G9.0	3101.4	2622.2	2381.9	2462.3	2824.4	3344.6	3685.8	3520.2	3101.4	
G10.0	2792.6	2327.6	2106.8	2191.5	2524.2	3022.9	3350.3	3210.9	2792.6	
G11.0	2491.8	2064.9	1864.1	1939.8	2242.4	2712.6	3024.8	2893.4	2491.8	
G12.0	2212.9	1828.9	1645.7	1711.8	1984.5	2418.0	2713.6	2591.7	2212.9	
G13.0	1961.2	1619.0	1458.2	1510.5	1752.3	2138.7	2419.5	2299.5	1961.2	
G14.0	1740.8	1431.5	1288.7	1333.0	1546.7	1890.7	2146.3	2045.4	1740.8	
G15.0	1543.3	1269.2	1138.8	1179.8	1364.9	1667.5	1900.7	1817.0	1543.3	
G16.0	1367.7	1129.8	1015.1	1050.3	1205.0	1473.8	1681.8	1614.7	1367.7	
G17.0	1211.2	1013.2	916.6	950.4	1070.3	1302.5	1490.5	1430.1	1211.2	
G18.0	1086.0	916.1	833.3	863.8	962.3	1154.1	1323.5	1268.3	1086.0	
G19.0	978.4	834.7	759.1	781.4	872.3	1028.9	1176.9	1126.0	978.4	
G20.0	888.0	761.0	697.7	719.1	791.4	927.0	1047.4	1009.4	888.0	
G21.0	807.1	701.0	637.7	655.3	723.8	839.5	947.5	913.7	807.1	
G22.0	736.7	642.0	585.8	601.1	662.5	757.6	859.0	822.3	736.7	
G23.0	673.4	583.9	530.2	533.0	607.7	694.3	776.7	746.2	673.4	
G24.0	617.2	533.0	471.6	475.9	544.4	633.4	710.0	677.7	617.2	
G25.0	558.2	475.9	397.4	405.0	487.3	574.9	647.2	618.2	558.2	
G26.0	509.2	402.1	318.9	327.4	417.8	517.8	583.0	555.8	509.2	
G27.0	445.4	320.8	240.8	251.8	339.8	456.4	534.0	507.8	445.4	
G28.0	368.8	236.0	169.9	179.9	260.3	385.5	472.1	444.0	368.8	
G29.0	283.2	158.0	106.1	115.2	182.3	305.0	396.0	367.9	283.2	
G30.0	199.9	96.6	58.5	65.2	114.2	222.7	315.0	287.4	199.9	
G31.0	128.5	54.3	38.5	38.1	63.8	148.0	235.1	213.2	128.5	
G32.0	74.7	37.6	33.3	33.8	38.1	89.5	164.2	146.6	74.7	
G33.0	41.9	32.4	29.5	29.5	33.8	50.5	101.4	88.5	41.9	
G34.0	33.3	28.5	26.6	26.6	30.0	36.6	55.2	49.5	33.3	
G35.0	29.5	25.7	23.3	22.8	25.7	31.9	38.1	36.6	29.5	
G36.0	25.7	22.4	20.9	20.9	22.8	27.6	33.3	31.9	25.7	

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	23.3	19.5	18.1	18.6	20.9	24.8	29.5	28.5	23.3	
G38.0	20.5	17.1	15.2	16.2	18.6	22.4	25.7	24.8	20.5	
G39.0	18.6	15.2	13.8	14.8	16.2	19.0	22.8	21.4	18.6	
G40.0	16.2	12.9	11.9	12.4	13.8	17.1	20.0	19.0	16.2	
G41.0	13.8	11.4	10.9	11.4	12.4	15.2	18.1	16.7	13.8	
G42.0	13.3	10.0	9.0	10.0	10.9	13.3	15.2	14.8	13.3	
G43.0	11.4	9.0	8.6	8.1	10.0	12.4	13.8	13.8	11.4	
G44.0	10.0	8.6	7.6	7.6	8.1	10.9	11.9	11.4	10.0	
G45.0	9.0	7.1	6.7	7.1	7.6	9.0	10.9	10.9	9.0	
G46.0	7.6	6.2	6.2	6.2	7.1	8.1	9.0	9.0	7.6	
G47.0	6.7	6.2	5.2	6.2	5.7	7.1	8.6	7.6	6.7	
G48.0	6.2	5.2	5.2	5.2	5.7	7.1	7.6	7.6	6.2	
G49.0	6.2	4.3	4.3	5.2	5.2	6.2	7.1	6.2	6.2	
G50.0	5.2	4.3	4.8	4.3	4.3	5.2	6.2	6.2	5.2	
G51.0	4.8	4.3	4.3	3.8	4.3	5.2	5.2	5.2	4.8	
G52.0	4.3	4.8	3.8	4.8	4.3	4.3	5.2	4.8	4.3	
G53.0	4.3	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	
G54.0	3.8	3.8	3.8	3.8	3.8	3.8	5.2	4.3	3.8	
G55.0	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.3	3.8	
G56.0	3.8	3.8	3.8	3.8	3.8	4.8	4.3	4.3	3.8	
G57.0	3.8	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
G58.0	3.8	3.8	3.3	2.9	3.3	3.8	3.8	3.8	3.8	
G59.0	3.8	3.8	2.9	3.3	3.3	3.8	3.8	4.3	3.8	
G60.0	3.8	3.3	2.9	3.3	2.9	3.8	3.8	3.8	3.8	
G61.0	2.9	3.3	2.9	2.9	2.9	2.9	3.8	3.8	2.9	
G62.0	2.9	2.4	2.4	1.9	2.9	3.3	3.3	3.8	2.9	
G63.0	2.4	1.9	1.4	1.9	1.9	3.3	3.3	3.3	2.4	
G64.0	2.4	1.9	1.4	0.9	2.4	1.9	2.9	3.3	2.4	
G65.0	2.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	2.4	
G66.0	2.4	1.4	0.9	1.4	1.4	1.4	1.9	1.9	2.4	
G67.0	1.4	0.5	0.5	1.4	1.4	1.4	0.9	1.9	1.4	
G68.0	1.4	0.5	0.5	0.5	0.5	1.4	1.4	1.4	1.4	
G69.0	0.9	0.5	0.5	0.5	0.5	0.5	1.4	1.4	0.9	
G70.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	
G71.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	
G72.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	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:

## Unit: 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: