

Report No.: LE-06TR HUGO CRI 90+ (15W-38D)

Test Time: 2018-08-25 10:21

Luminaire Property

Luminaire Category:

Lamp Description: CREE-4000K

Length (mm): 175

Voltage: 226.8 V

Power: 14.90 W

Number of Lamps: 1

Width (mm): 62

Current: 0.071 A

Power Factor: 0.919

Photometric Results

CIE Class: Direct

Measurement Flux: 1052.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 58.2, 58.0, 58.1, 58.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 36.1, 36.0, 36.1, 35.9

Luminaire Efficacy Rating (LER): 70.69

Max. Intensity: 2725.94 cd

S/MH(C0/C180): 0.60

Total Rated Lamp Lumens: 1052.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2712.14 cd

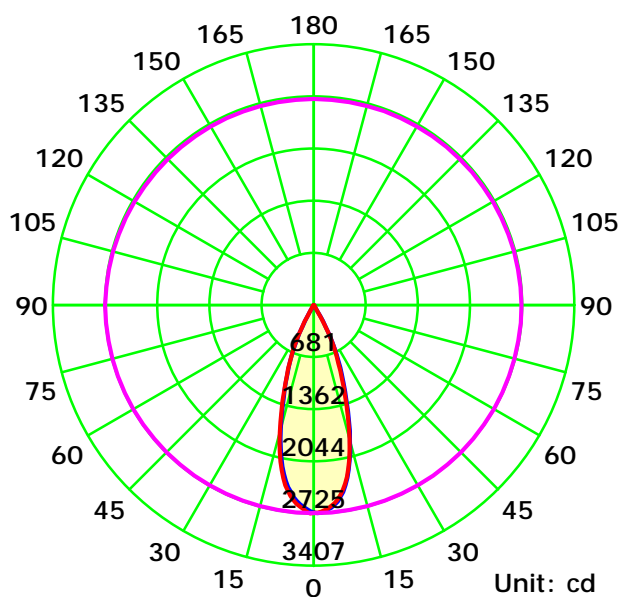
Pos of Max. Intensity: H270 V1

S/MH(C90/C270): 0.60

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

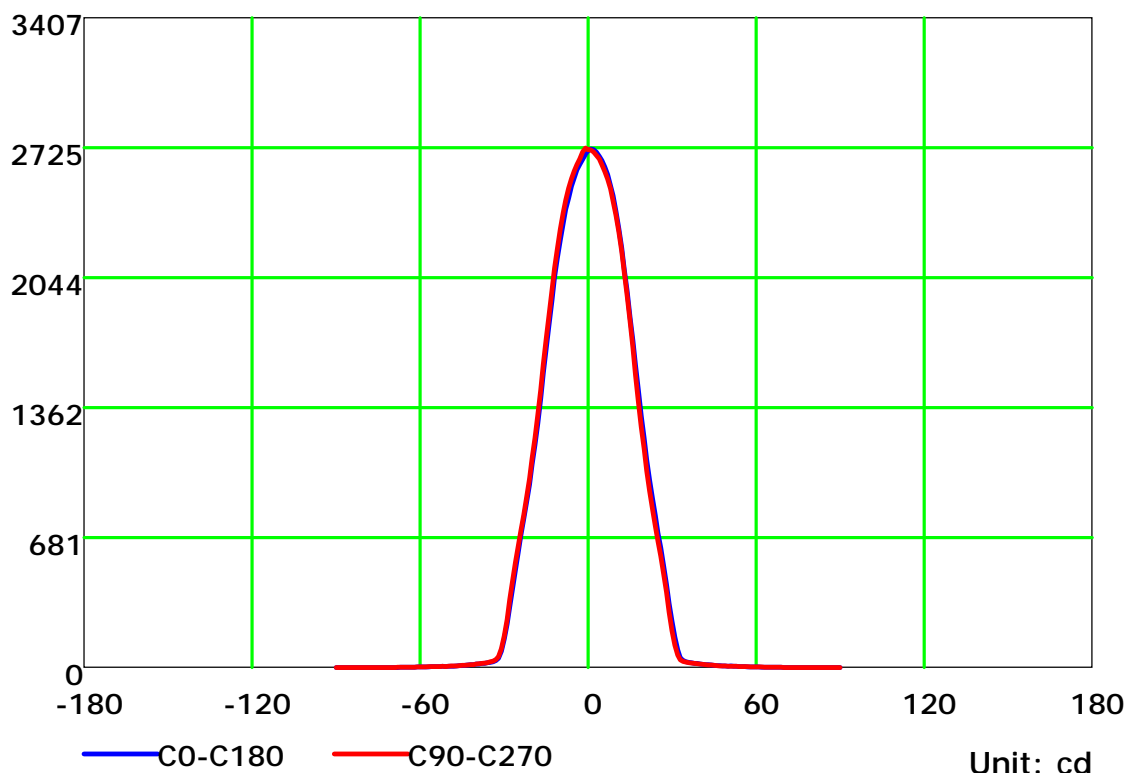
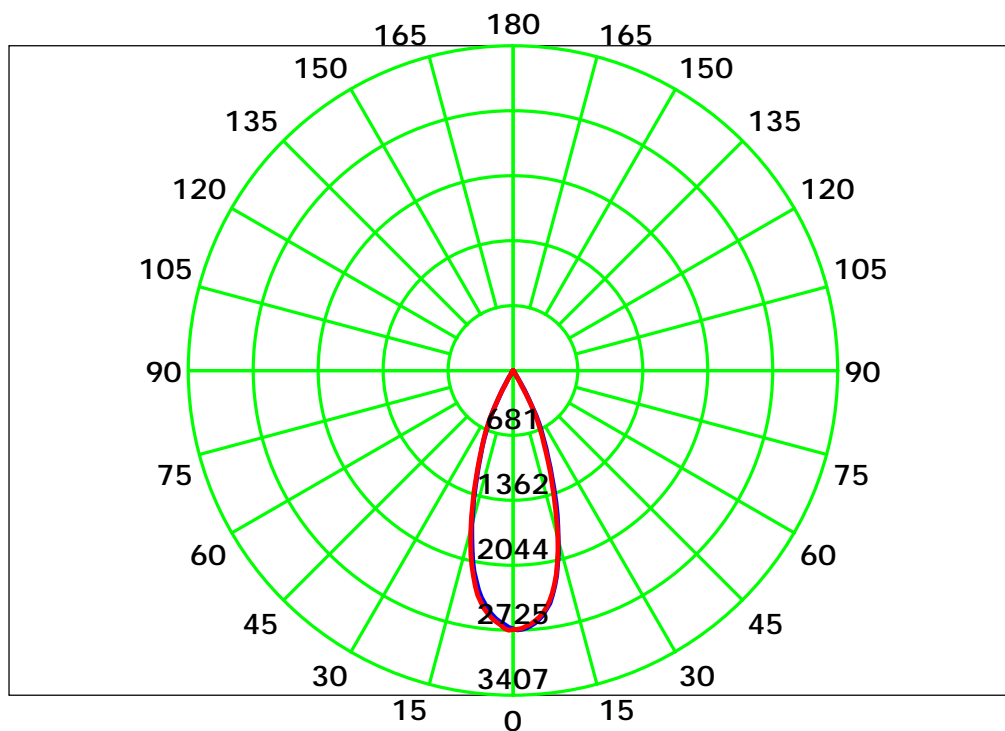
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

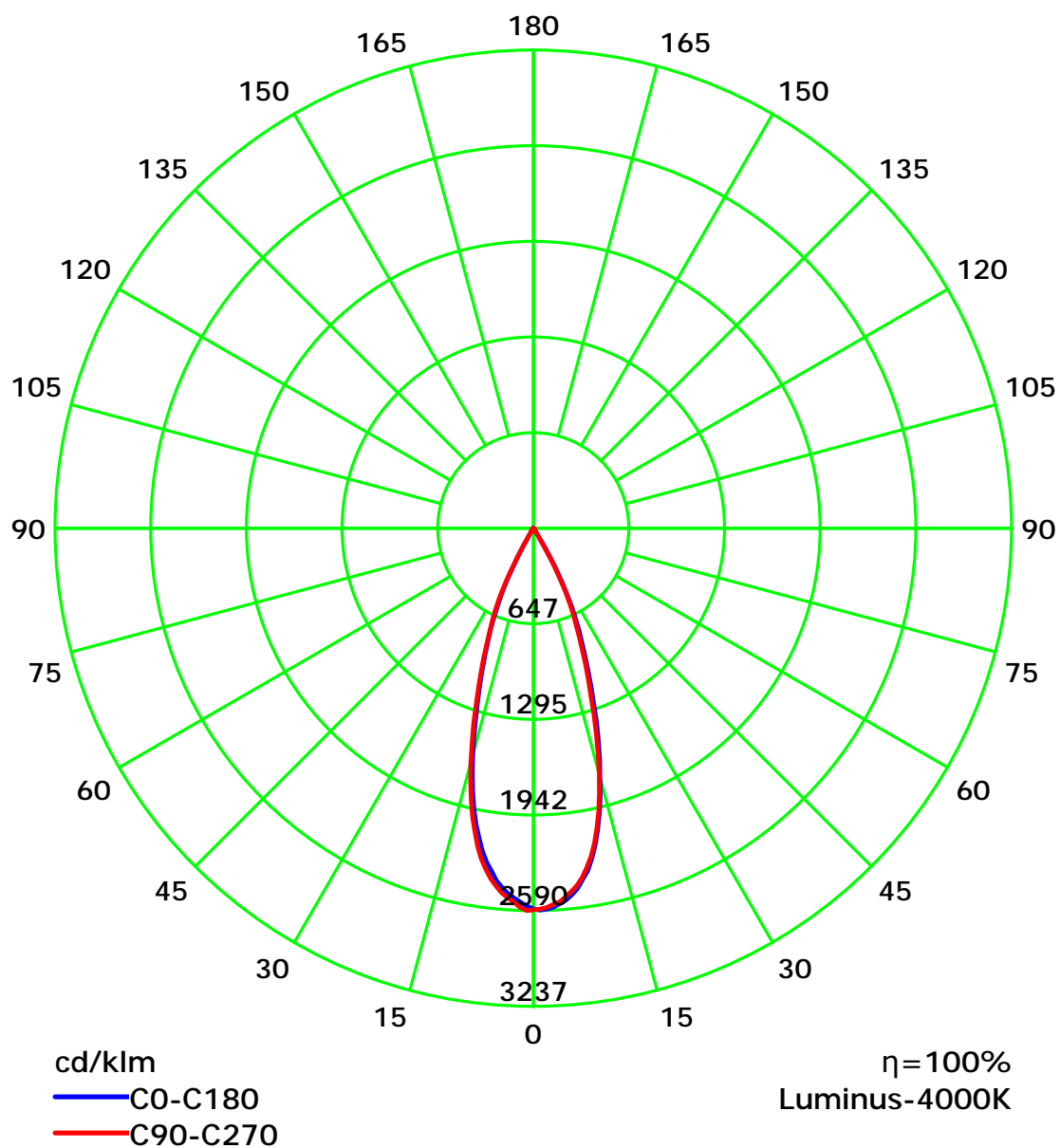
Luminous Intensity Distribution Curve



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:

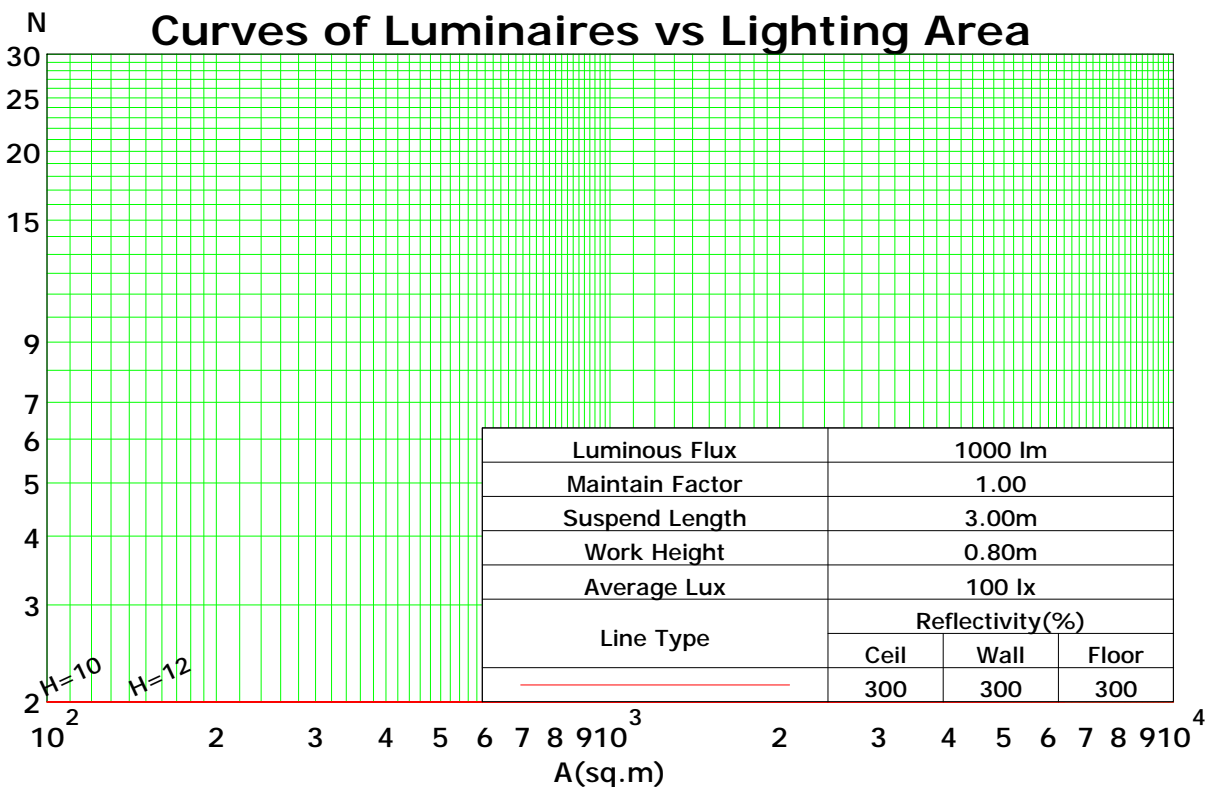
Coefficients Of Utilization - Zonal Cavity Method

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	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	84	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67

Spacing Criteria (0-180): 0.60

Spacing Criteria (90-270): 0.60

Spacing Criteria (Diagonal): 0.59



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

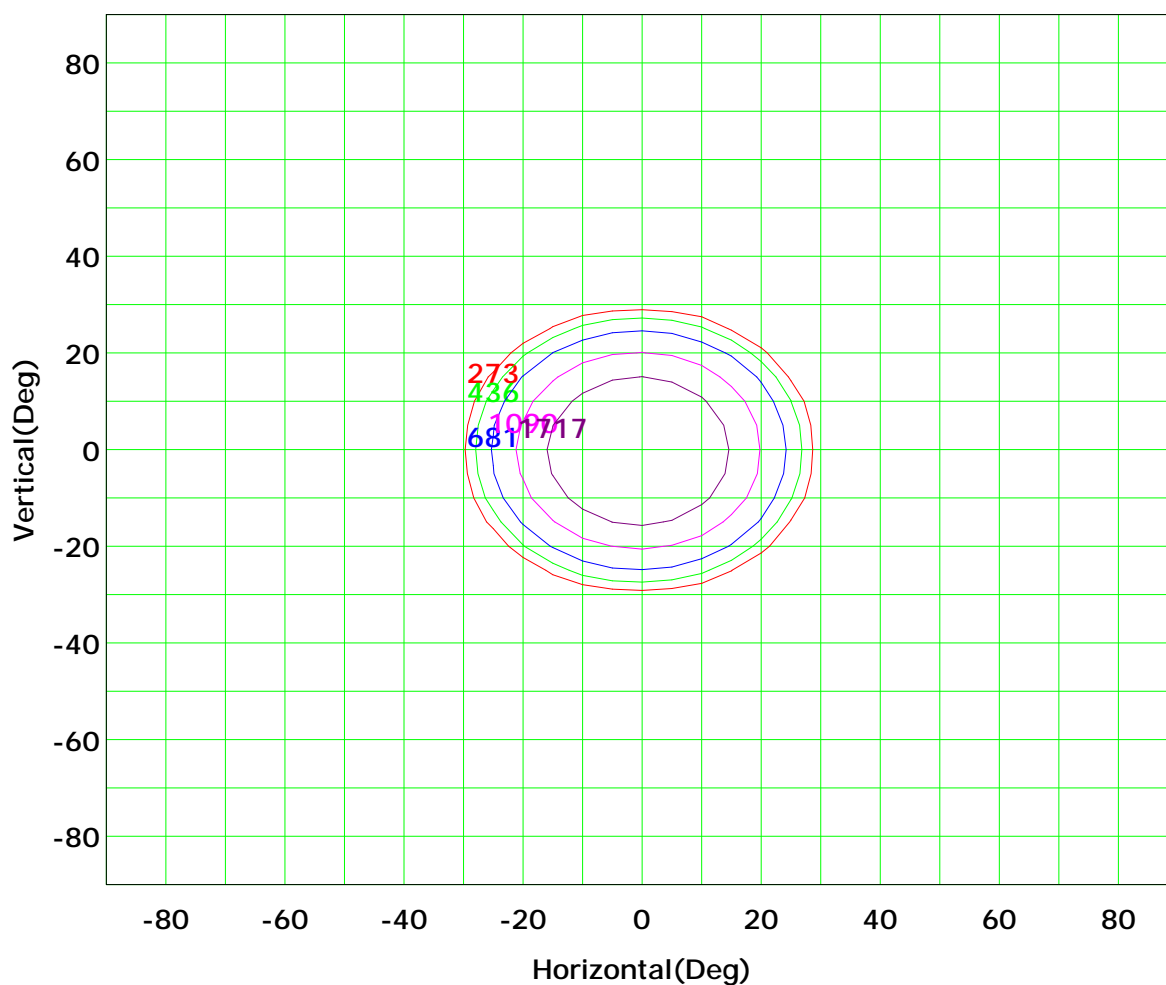
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

Isocandela (rectangle)



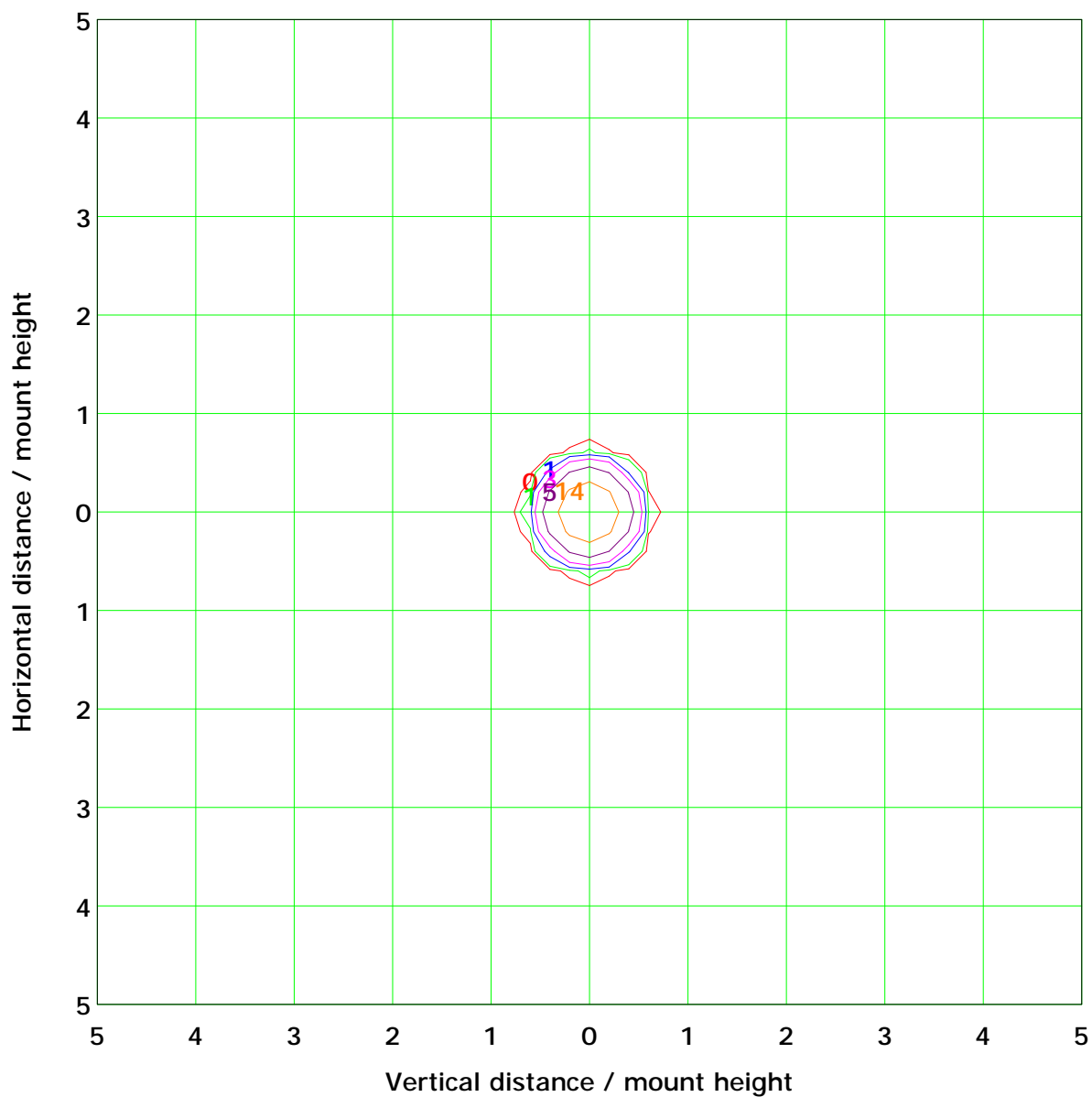
Imax (100%): 2726 cd

(10%): 273 cd	(16%): 436 cd
(25%): 681 cd	(40%): 1090 cd
(63%): 1717 cd	(100%): 2726 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%): 27.2 lx

(1%): 0.3 lx	(2%): 0.5 lx
(5%): 1.4 lx	(10%): 2.7 lx
(20%): 5.4 lx	(50%): 13.6 lx
(100%): 27.2 lx	

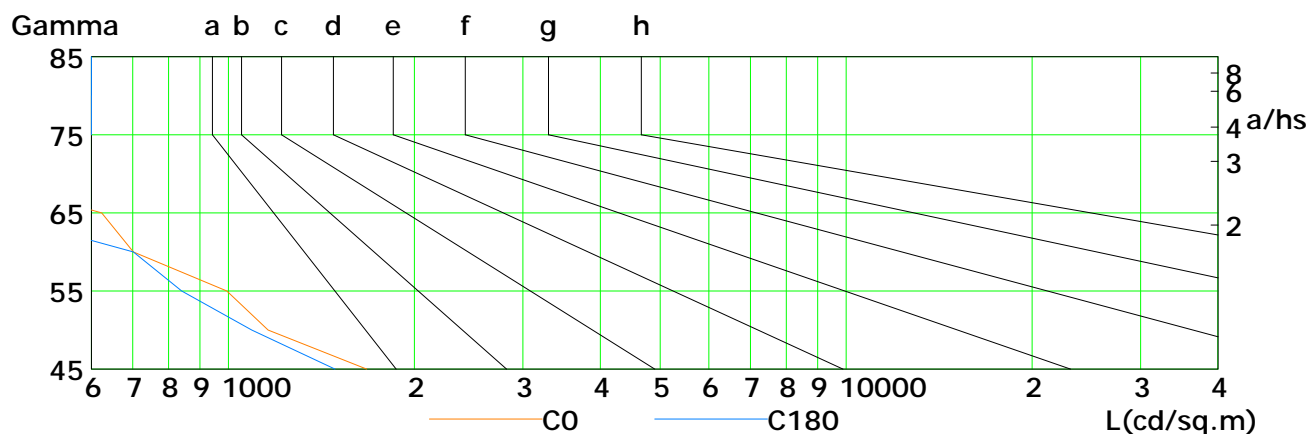
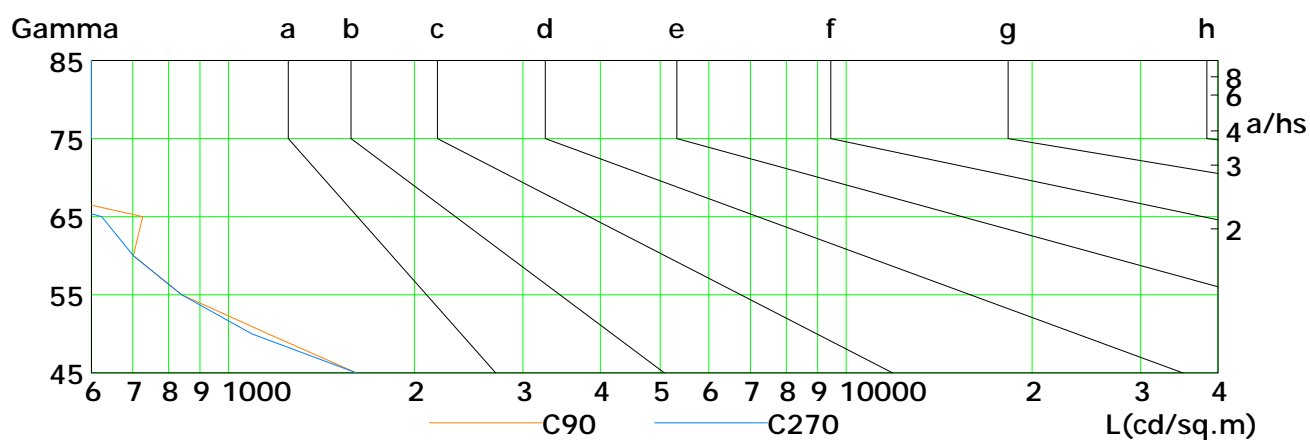
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	1675	1160	995	702	624	385	0	0	508
C90	1612	1160	840	702	726	385	0	0	0
C180	1489	1091	840	702	414	129	0	0	0
C270	1612	1091	840	702	624	385	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

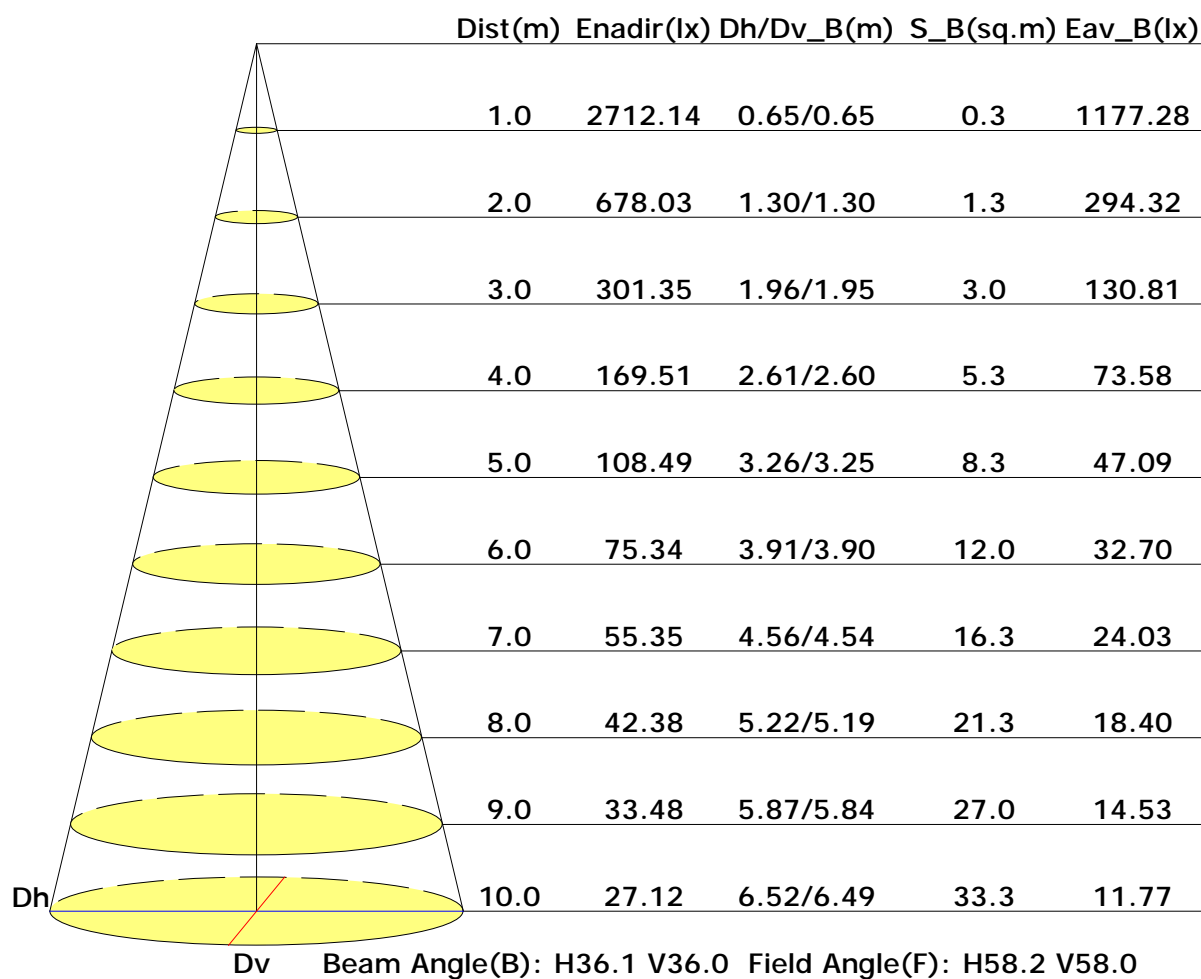
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

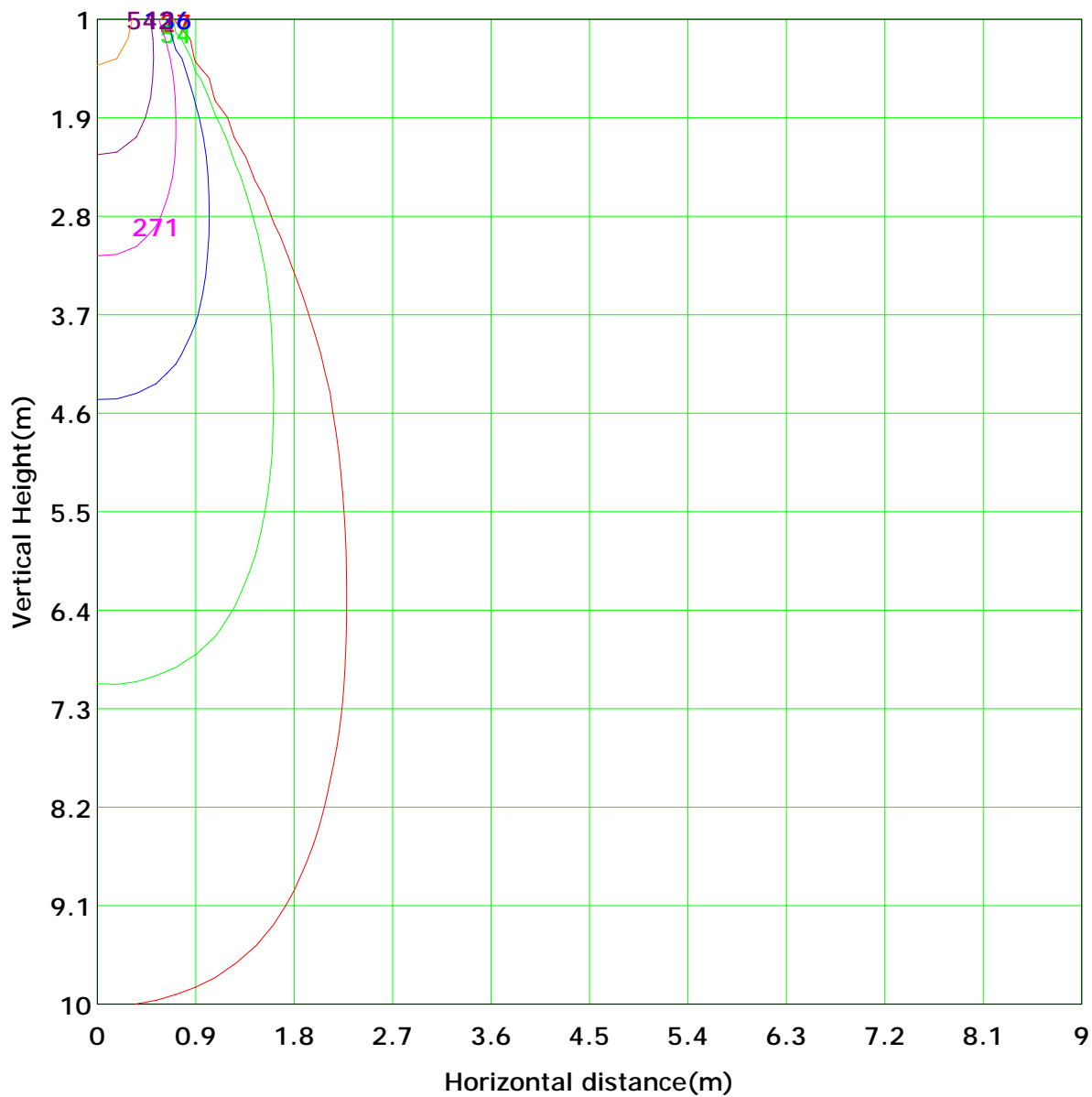
Illuminance at a Distance



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: 2712.1 lx

(1%): 27.1 lx (2%): 54.2 lx

(5%): 135.6 lx (10%): 271.2 lx

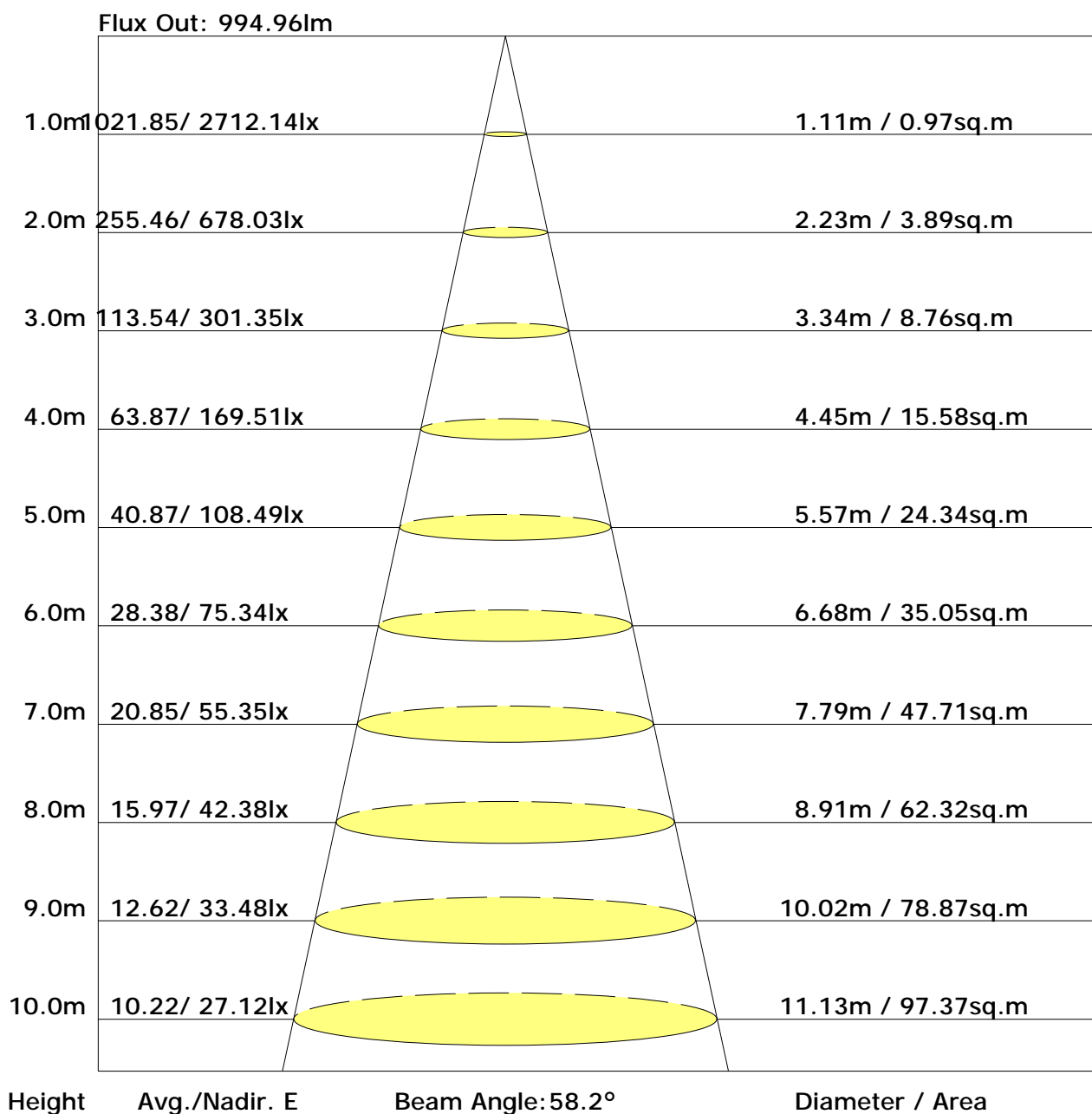
(20%): 542.4 lx (50%): 1356.1 lx

(100%): 2712.1 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	3.5	4.2	3.8	4.4	4.6	2.8	3.5	3.0	3.7	3.9
3H	3.6	4.3	3.9	4.5	4.7	3.0	3.6	3.3	3.8	4.1
4H	3.6	4.1	3.9	4.4	4.7	2.9	3.5	3.2	3.8	4.0
6H	3.5	4.0	3.8	4.3	4.6	2.9	3.4	3.2	3.7	4.0
8H	3.5	4.0	3.8	4.3	4.6	2.8	3.3	3.2	3.6	3.9
12H	3.4	3.9	3.8	4.2	4.5	2.8	3.3	3.1	3.6	3.9
X=4H Y=2H	3.5	4.1	3.8	4.4	4.6	2.9	3.4	3.2	3.7	4.0
3H	3.7	4.2	4.0	4.5	4.8	3.1	3.6	3.4	3.9	4.2
4H	3.6	4.0	4.0	4.4	4.7	3.0	3.5	3.4	3.8	4.1
6H	3.5	3.9	3.9	4.3	4.7	2.9	3.3	3.3	3.7	4.1
8H	3.5	3.8	3.9	4.2	4.6	2.9	3.2	3.3	3.6	4.0
12H	3.4	3.8	3.9	4.2	4.6	2.8	3.2	3.3	3.6	4.0
X=8H Y=4H	3.5	3.8	3.9	4.2	4.6	2.9	3.3	3.3	3.6	4.0
6H	3.4	3.7	3.8	4.1	4.5	2.8	3.1	3.2	3.5	4.0
8H	3.3	3.6	3.8	4.0	4.5	2.7	3.0	3.2	3.4	3.9
12H	3.3	3.5	3.8	4.0	4.5	2.7	2.9	3.2	3.4	3.9
X=12H Y=4H	3.4	3.8	3.9	4.2	4.6	2.8	3.2	3.3	3.6	4.0
6H	3.3	3.6	3.8	4.0	4.5	2.7	3.0	3.2	3.4	3.9
8H	3.3	3.5	3.8	4.0	4.5	2.7	2.9	3.2	3.4	3.9
Variations with the observer position at spacings:										
S=1.0H	+4.2/-3.1					+3.2/-2.4				
S=1.5H	+6.8/-4.8					+5.6/-4.3				
S=2.0H	+8.7/-6.3					+7.4/-4.7				

Calculate in accordance with CIE Pub.117. The table is revised with 1052Im ($8\log(F/F_0) = 0.2$).

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: 4.000 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	0.98	1.02	1.05	1.07	1.10	1.12	1.13	1.14	1.15
	0.30		0.95	0.99	1.02	1.04	1.07	1.09	1.11	1.13	1.14
	0.20		0.92	0.97	0.99	1.02	1.05	1.07	1.09	1.11	1.13
0.50	0.50	0.20	0.97	1.01	1.03	1.05	1.07	1.08	1.09	1.11	1.11
	0.30		0.94	0.98	1.00	1.02	1.05	1.06	1.08	1.09	1.10
	0.20		0.92	0.96	0.98	1.00	1.03	1.05	1.06	1.08	1.09
0.30	0.50	0.20	0.96	0.99	1.01	1.03	1.04	1.05	1.06	1.07	1.08
	0.30		0.93	0.97	0.99	1.01	1.03	1.04	1.05	1.06	1.07
	0.20		0.91	0.95	0.97	0.99	1.01	1.03	1.04	1.05	1.06
0.00	0.00	0.00	0.90	0.93	0.95	0.96	0.98	0.99	1.00	1.01	1.01
<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>											

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 = 0.75									
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	0.43	0.35	0.30	0.26	0.20	0.17	0.15	0.11	0.09	
	0.30		0.36	0.30	0.26	0.23	0.19	0.16	0.14	0.11	0.09	
	0.20		0.30	0.26	0.23	0.20	0.17	0.14	0.13	0.10	0.08	
0.50	0.50	0.20	0.40	0.32	0.27	0.24	0.19	0.20	0.13	0.10	0.08	
	0.30		0.34	0.28	0.24	0.21	0.17	0.14	0.12	0.10	0.08	
	0.20		0.29	0.25	0.22	0.19	0.16	0.13	0.12	0.09	0.08	
0.30	0.50	0.20	0.38	0.30	0.25	0.22	0.17	0.14	0.12	0.09	0.07	
	0.30		0.32	0.27	0.23	0.20	0.16	0.13	0.11	0.09	0.07	
	0.20		0.28	0.24	0.20	0.18	0.14	0.12	0.10	0.08	0.07	
0.00	0.00	0.00	0.13	0.10	0.08	0.07	0.05	0.04	0.03	0.03	0.02	
<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>												

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 = 0.75								
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	0.12	0.14	0.15	0.16	0.18	0.19	0.19	0.20	0.21
	0.30		0.09	0.11	0.12	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	0.16	0.18	0.19
0.50	0.50	0.20	0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	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	0.09	0.10	0.12	0.14	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.19
	0.30		0.08	0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.09	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2713.7	2.6	2.6	0.25	0.25
1.0-2.0	2703.8	7.8	10.4	0.74	0.98
2.0-3.0	2684.9	12.8	23.2	1.22	2.20
3.0-4.0	2661.2	17.8	41.0	1.69	3.90
4.0-5.0	2632.9	22.7	63.7	2.15	6.05
5.0-6.0	2597.3	27.3	91.0	2.59	8.64
6.0-7.0	2554.0	31.7	122.7	3.01	11.66
7.0-8.0	2502.3	35.8	158.5	3.40	15.06
8.0-9.0	2440.5	39.6	198.0	3.76	18.82
9.0-10.0	2366.4	42.8	240.9	4.07	22.89
10.0-11.0	2279.2	45.5	286.4	4.33	27.21
11.0-12.0	2181.5	47.7	334.1	4.53	31.75
12.0-13.0	2073.2	49.2	383.3	4.68	36.42
13.0-14.0	1954.4	50.0	433.4	4.75	41.18
14.0-15.0	1827.5	50.2	483.5	4.77	45.94
15.0-16.0	1696.3	49.7	533.2	4.72	50.67
16.0-17.0	1563.6	48.7	581.9	4.63	55.29
17.0-18.0	1429.9	47.2	629.1	4.48	59.77
18.0-19.0	1300.7	45.3	674.4	4.30	64.07
19.0-20.0	1183.7	43.3	717.7	4.12	68.19
20.0-21.0	1074.3	41.3	758.9	3.92	72.11
21.0-22.0	969.5	39.0	797.9	3.70	75.81
22.0-23.0	872.6	36.6	834.5	3.48	79.29
23.0-24.0	782.0	34.2	868.7	3.25	82.54
24.0-25.0	697.5	31.7	900.4	3.01	85.55
25.0-26.0	613.4	29.0	929.4	2.75	88.31
26.0-27.0	521.5	25.5	954.9	2.42	90.73
27.0-28.0	423.5	21.4	976.4	2.04	92.77
28.0-29.0	325.9	17.1	993.4	1.62	94.39
29.0-30.0	233.5	12.6	1006.0	1.20	95.59
30.0-31.0	152.6	8.5	1014.5	0.81	96.39
31.0-32.0	90.7	5.2	1019.7	0.49	96.89
32.0-33.0	54.2	3.2	1022.9	0.30	97.19
33.0-34.0	38.3	2.3	1025.2	0.22	97.41
34.0-35.0	31.6	2.0	1027.2	0.19	97.60
35.0-36.0	28.1	1.8	1029.0	0.17	97.77

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	25.5	1.7	1030.6	0.16	97.93
37.0-38.0	23.3	1.6	1032.2	0.15	98.07
38.0-39.0	21.5	1.5	1033.7	0.14	98.21
39.0-40.0	19.8	1.4	1035.0	0.13	98.34
40.0-41.0	18.2	1.3	1036.3	0.12	98.47
41.0-42.0	16.6	1.2	1037.6	0.11	98.58
42.0-43.0	15.0	1.1	1038.7	0.11	98.69
43.0-44.0	13.9	1.1	1039.7	0.10	98.79
44.0-45.0	12.8	1.0	1040.7	0.09	98.88
45.0-46.0	11.6	0.9	1041.6	0.09	98.97
46.0-47.0	10.6	0.8	1042.5	0.08	99.05
47.0-48.0	9.5	0.8	1043.2	0.07	99.12
48.0-49.0	8.8	0.7	1043.9	0.07	99.19
49.0-50.0	8.2	0.7	1044.6	0.07	99.25
50.0-51.0	7.7	0.7	1045.3	0.06	99.32
51.0-52.0	7.4	0.6	1045.9	0.06	99.38
52.0-53.0	7.0	0.6	1046.5	0.06	99.43
53.0-54.0	6.4	0.6	1047.1	0.05	99.49
54.0-55.0	5.9	0.5	1047.6	0.05	99.54
55.0-56.0	5.4	0.5	1048.1	0.05	99.58
56.0-57.0	4.8	0.4	1048.5	0.04	99.62
57.0-58.0	4.4	0.4	1048.9	0.04	99.66
58.0-59.0	4.1	0.4	1049.3	0.04	99.70
59.0-60.0	3.8	0.4	1049.7	0.03	99.73
60.0-61.0	3.8	0.4	1050.0	0.03	99.77
61.0-62.0	3.6	0.3	1050.4	0.03	99.80
62.0-63.0	3.3	0.3	1050.7	0.03	99.83
63.0-64.0	3.1	0.3	1051.0	0.03	99.86
64.0-65.0	2.9	0.3	1051.3	0.03	99.89
65.0-66.0	2.5	0.2	1051.5	0.02	99.91
66.0-67.0	2.2	0.2	1051.8	0.02	99.93
67.0-68.0	2.1	0.2	1052.0	0.02	99.95
68.0-69.0	1.8	0.2	1052.2	0.02	99.97
69.0-70.0	1.3	0.1	1052.3	0.01	99.98
70.0-71.0	0.9	0.1	1052.4	0.01	99.99
71.0-72.0	0.4	0.0	1052.4	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	2712.1	2718.3	2717.4	2714.5	2712.1	2718.3	2717.4	2714.5	2712.1	
G1.0	2720.2	2721.2	2715.0	2700.2	2693.1	2696.9	2725.9	2722.6	2720.2	
G2.0	2715.9	2710.2	2704.5	2676.9	2666.4	2681.7	2704.5	2705.5	2715.9	
G3.0	2704.1	2704.1	2686.0	2656.5	2639.8	2647.9	2667.4	2686.4	2704.1	
G4.0	2682.1	2687.9	2668.4	2628.4	2610.3	2609.3	2638.4	2662.6	2682.1	
G5.0	2658.8	2659.3	2637.4	2595.5	2570.8	2581.7	2606.5	2628.4	2658.8	
G6.0	2626.0	2613.1	2602.7	2558.4	2525.6	2535.6	2563.2	2594.1	2626.0	
G7.0	2586.5	2575.1	2562.2	2515.1	2461.3	2477.0	2514.2	2553.7	2586.5	
G8.0	2527.5	2534.6	2511.3	2456.1	2404.7	2407.6	2452.3	2498.0	2527.5	
G9.0	2474.2	2471.8	2446.6	2388.5	2329.5	2331.4	2384.2	2429.0	2474.2	
G10.0	2392.3	2395.2	2372.8	2310.5	2241.9	2249.6	2298.6	2346.6	2392.3	
G11.0	2302.4	2305.2	2284.8	2218.1	2149.6	2153.4	2198.2	2248.6	2302.4	
G12.0	2201.5	2208.2	2182.9	2118.2	2047.3	2049.2	2093.5	2143.4	2201.5	
G13.0	2087.8	2099.7	2071.6	2005.4	1925.0	1932.1	1977.8	2026.8	2087.8	
G14.0	1975.0	1978.8	1949.3	1878.8	1800.3	1810.3	1851.2	1900.3	1975.0	
G15.0	1837.4	1850.3	1816.5	1742.7	1673.3	1681.8	1724.2	1769.9	1837.4	
G16.0	1715.1	1716.1	1678.0	1609.0	1545.2	1550.5	1591.4	1639.5	1715.1	
G17.0	1586.6	1580.4	1534.8	1475.3	1412.5	1421.0	1458.2	1504.3	1586.6	
G18.0	1456.2	1441.5	1394.4	1338.7	1284.0	1289.7	1327.8	1373.0	1456.2	
G19.0	1320.1	1306.3	1261.6	1218.3	1169.8	1178.8	1203.5	1246.8	1320.1	
G20.0	1205.0	1186.4	1149.3	1112.2	1066.0	1076.0	1099.3	1140.3	1205.0	
G21.0	1090.8	1075.1	1033.2	998.4	961.8	967.5	990.8	1037.0	1090.8	
G22.0	985.1	967.0	927.5	902.8	870.9	877.1	894.7	932.3	985.1	
G23.0	888.5	867.6	832.8	807.6	781.9	786.2	801.4	838.0	888.5	
G24.0	798.5	780.0	742.9	718.6	695.3	701.0	718.6	752.4	798.5	
G25.0	707.7	694.3	666.3	641.5	609.2	620.1	640.6	672.4	707.7	
G26.0	629.1	616.8	585.3	552.0	513.5	525.9	553.0	586.8	629.1	
G27.0	532.5	522.1	491.6	449.7	415.0	425.9	456.4	488.3	532.5	
G28.0	435.0	421.6	395.5	353.1	317.9	325.5	356.0	389.8	435.0	
G29.0	336.0	322.7	290.8	260.3	229.4	234.6	253.2	293.1	336.0	
G30.0	243.7	228.4	194.6	177.0	149.4	151.3	167.0	204.2	243.7	
G31.0	160.4	144.2	119.0	103.8	86.1	87.1	100.4	125.6	160.4	
G32.0	93.8	79.5	66.6	57.6	49.5	51.4	57.6	68.5	93.8	
G33.0	50.5	45.7	41.9	39.5	38.1	39.5	42.3	45.2	50.5	
G34.0	38.1	34.7	32.8	31.9	30.5	33.3	34.7	34.7	38.1	
G35.0	30.9	29.5	28.5	28.5	28.1	29.0	30.5	30.5	30.9	
G36.0	28.1	27.1	26.6	26.2	25.7	26.6	26.6	27.1	28.1	

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:

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	25.2	24.8	24.8	23.8	23.3	23.8	23.8	24.8	25.2	
G38.0	22.8	22.8	22.8	21.4	21.9	22.4	22.4	22.8	22.8	
G39.0	21.9	20.9	20.5	20.0	19.5	20.0	20.9	20.5	21.9	
G40.0	20.0	19.0	19.0	18.6	18.6	18.6	19.0	19.0	20.0	
G41.0	18.1	18.1	18.1	17.1	16.7	17.1	16.7	18.1	18.1	
G42.0	15.7	16.2	15.7	15.2	15.2	15.2	16.2	15.7	15.7	
G43.0	15.2	14.8	14.8	13.8	13.8	13.8	14.8	14.8	15.2	
G44.0	14.3	13.8	13.8	13.3	12.4	13.3	13.3	13.3	14.3	
G45.0	12.9	11.9	12.4	11.9	11.4	11.4	12.4	12.4	12.9	
G46.0	11.4	11.4	11.4	10.9	10.9	10.9	11.4	10.9	11.4	
G47.0	10.9	10.0	10.0	10.0	9.0	10.0	10.0	10.0	10.9	
G48.0	10.0	9.5	9.0	8.1	8.1	9.0	9.0	9.0	10.0	
G49.0	9.5	9.0	9.0	8.1	7.6	8.6	8.6	8.1	9.5	
G50.0	8.1	8.6	8.1	7.6	7.6	7.6	7.6	8.1	8.1	
G51.0	8.6	7.6	7.6	7.6	6.7	7.6	6.7	7.6	8.6	
G52.0	7.6	7.6	7.1	7.1	7.1	7.1	7.1	7.1	7.6	
G53.0	7.1	7.1	7.1	6.2	5.7	6.2	6.7	7.1	7.1	
G54.0	6.2	6.2	5.7	6.2	6.2	6.2	6.2	5.7	6.2	
G55.0	6.2	6.2	5.2	5.2	5.2	5.7	5.2	6.2	6.2	
G56.0	5.2	5.2	5.2	4.3	5.2	5.2	5.2	5.2	5.2	
G57.0	4.3	4.3	5.2	4.3	4.3	4.3	5.2	4.3	4.3	
G58.0	4.3	4.3	4.3	4.8	4.3	4.3	4.3	4.3	4.3	
G59.0	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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	3.8	3.8	3.8	3.8	3.8	3.8	3.3	3.8	
G62.0	2.9	3.8	3.8	2.9	3.3	3.8	2.9	3.8	2.9	
G63.0	3.3	3.3	3.3	3.3	2.9	3.3	2.9	3.3	3.3	
G64.0	2.9	2.9	2.9	2.9	3.3	3.3	3.3	2.9	2.9	
G65.0	2.9	3.3	3.3	2.4	1.9	2.9	2.9	2.4	2.9	
G66.0	2.4	1.9	1.9	2.4	2.4	2.4	2.4	1.9	2.4	
G67.0	1.9	2.4	2.4	1.9	2.4	1.9	2.4	2.4	1.9	
G68.0	2.4	2.4	2.4	2.4	0.9	1.4	1.9	1.9	2.4	
G69.0	1.9	1.9	1.9	1.4	1.4	0.9	1.4	1.4	1.9	
G70.0	1.4	1.4	1.4	0.9	0.5	1.4	1.4	0.5	1.4	
G71.0	0.5	0.5	0.5	0.5	0.5	0.5	1.4	0.5	0.5	
G72.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.0	0.5	
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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:

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: