

Report No.: LE-06TR HUGO CRI 90+ (15W-24D)

Test Time: 2018-08-25 10:36

Luminaire Property

Luminaire Category:

Lamp Description: CREE-4000K

Length (mm): 175

Voltage: 227.9 V

Power: 14.90 W

Number of Lamps: 1

Width (mm): 62

Current: 0.071 A

Power Factor: 0.915

Photometric Results

CIE Class: Direct

Measurement Flux: 1083.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 51.3, 51.6, 51.4, 51.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 21.8, 21.8, 21.8, 21.6

Luminaire Efficacy Rating (LER): 72.74

Max. Intensity: 5056.88 cd

S/MH(C0/C180): 0.37

Total Rated Lamp Lumens: 1083.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 4998.82 cd

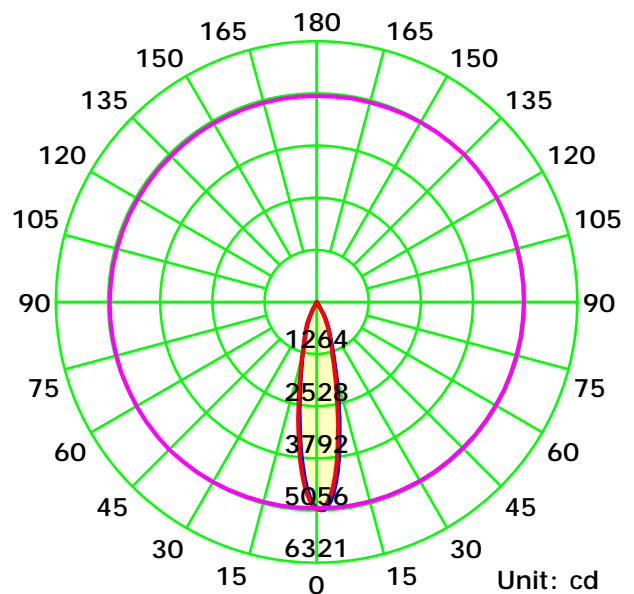
Pos of Max. Intensity: H135 V0

S/MH(C90/C270): 0.37

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

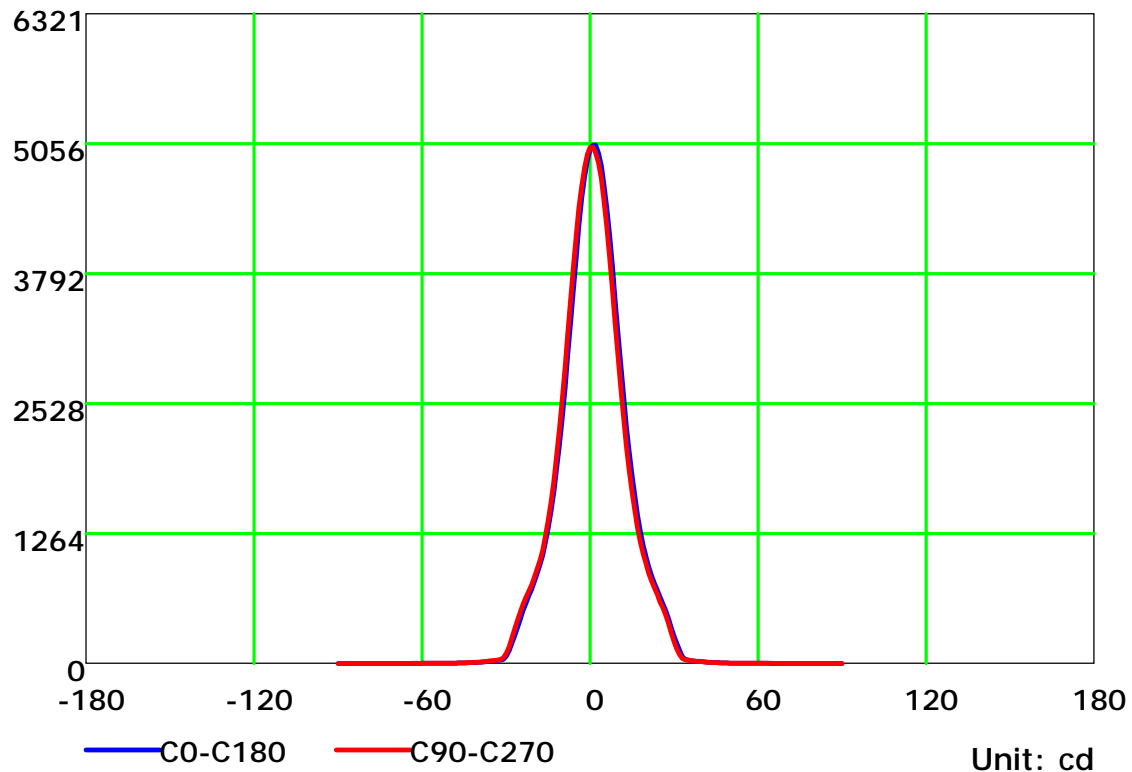
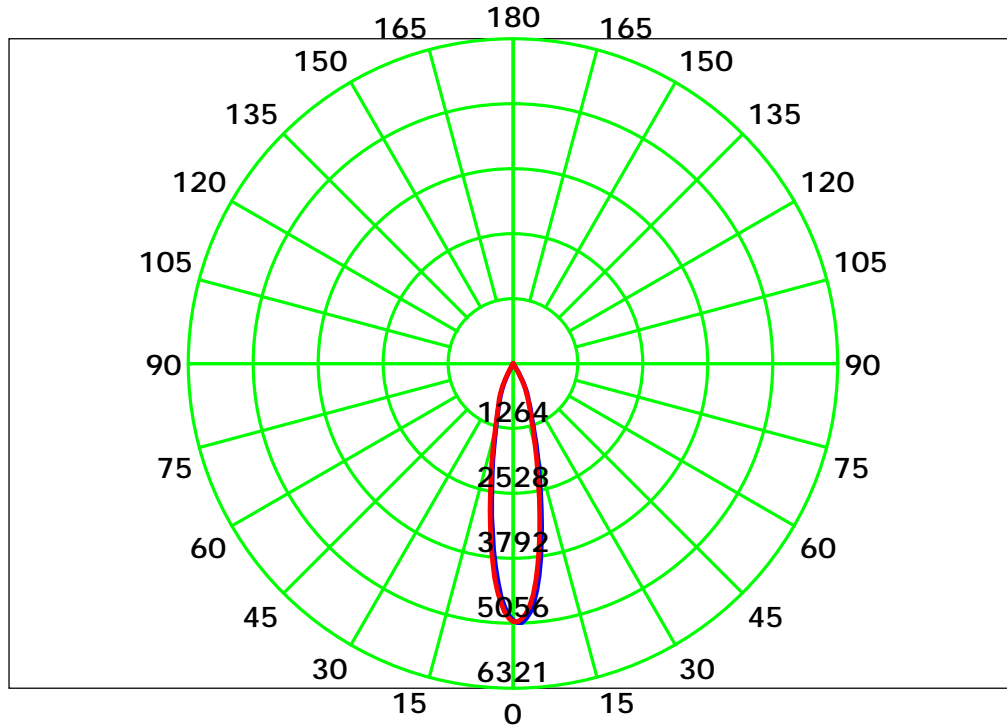
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

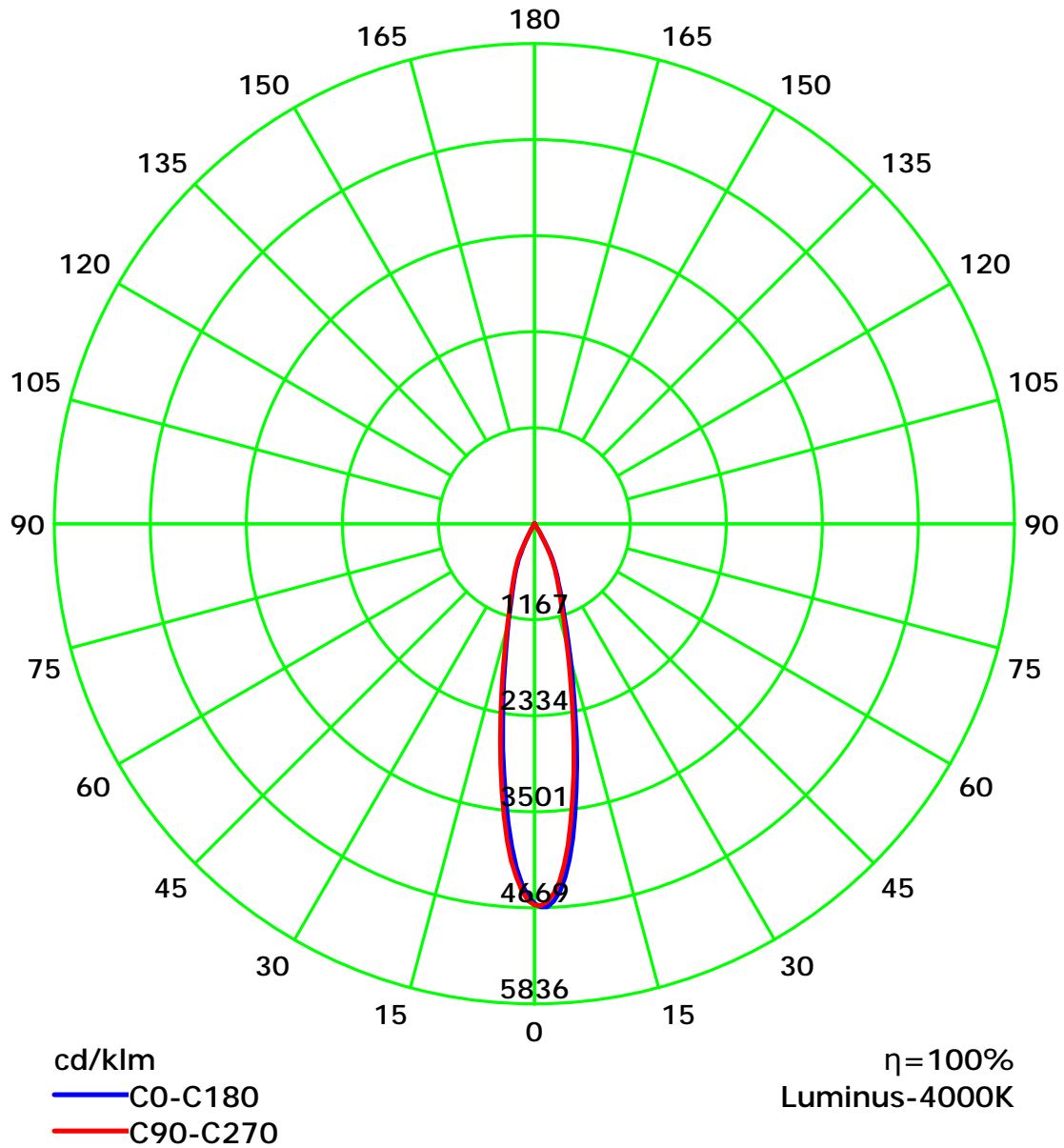
Luminous Intensity Distribution Curve



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:

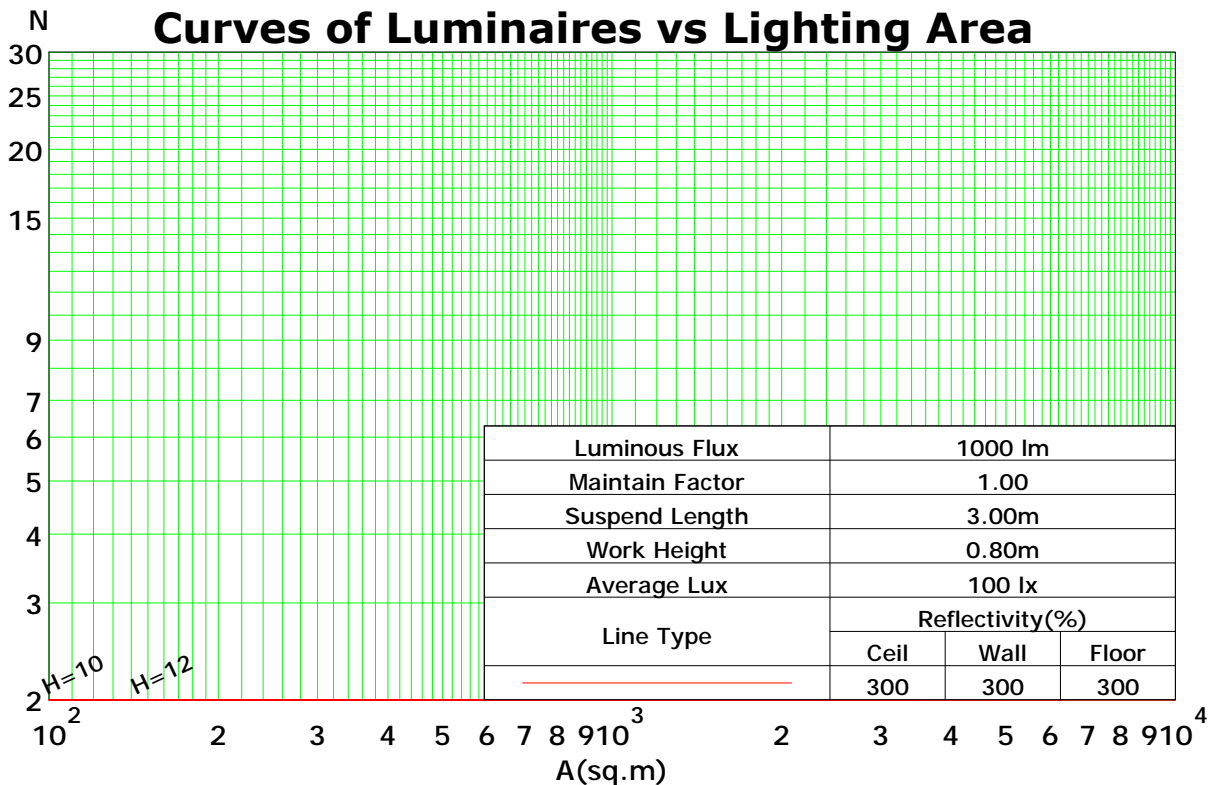
Coefficients Of Utilization - Zonal Cavity Method

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	96	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	90	88	87
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	84
6	98	91	87	84	96	90	86	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	87	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	75	73	78	75	73	78	75	73	72

Spacing Criteria (0-180): 0.37

Spacing Criteria (90-270): 0.37

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

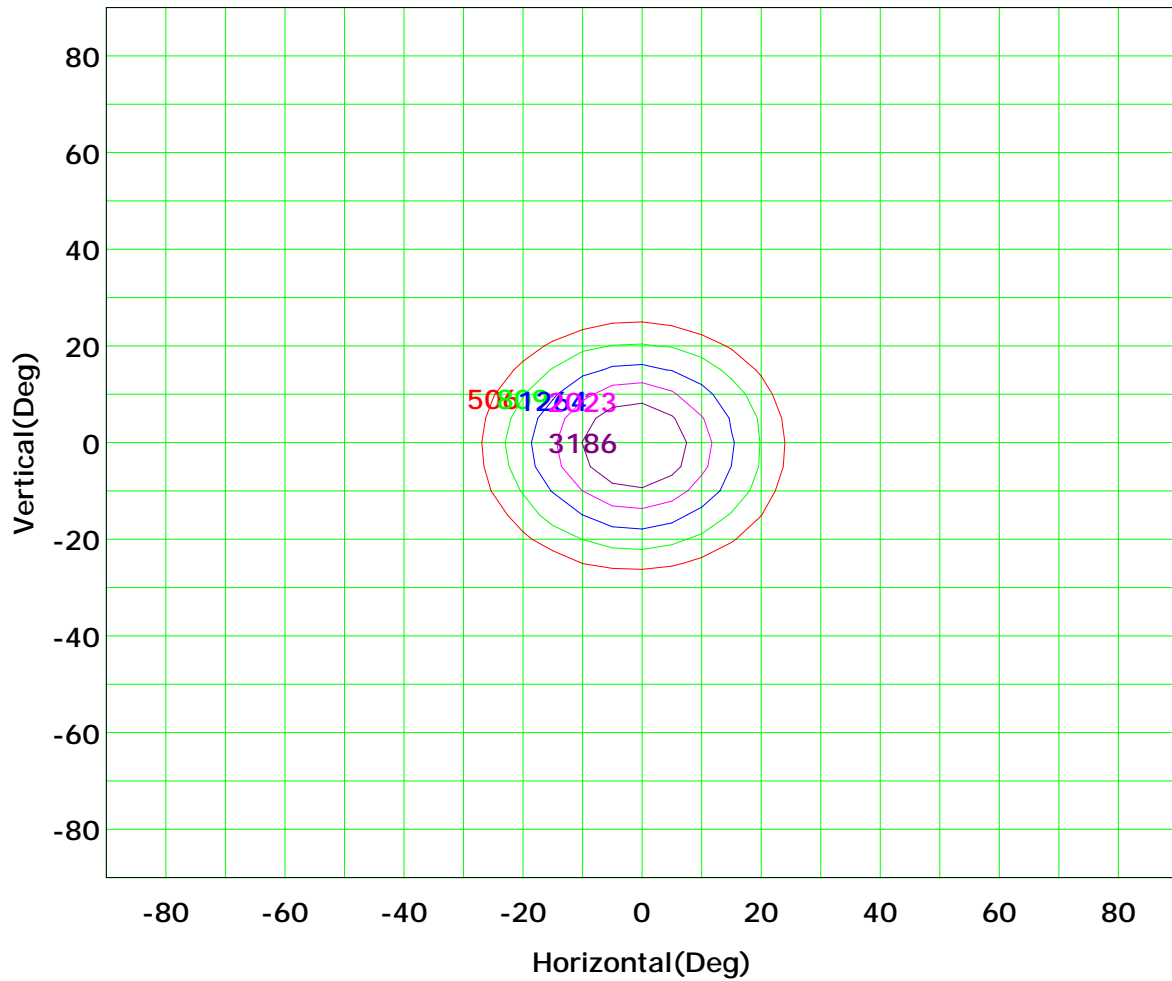
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

Isocandela (rectangle)



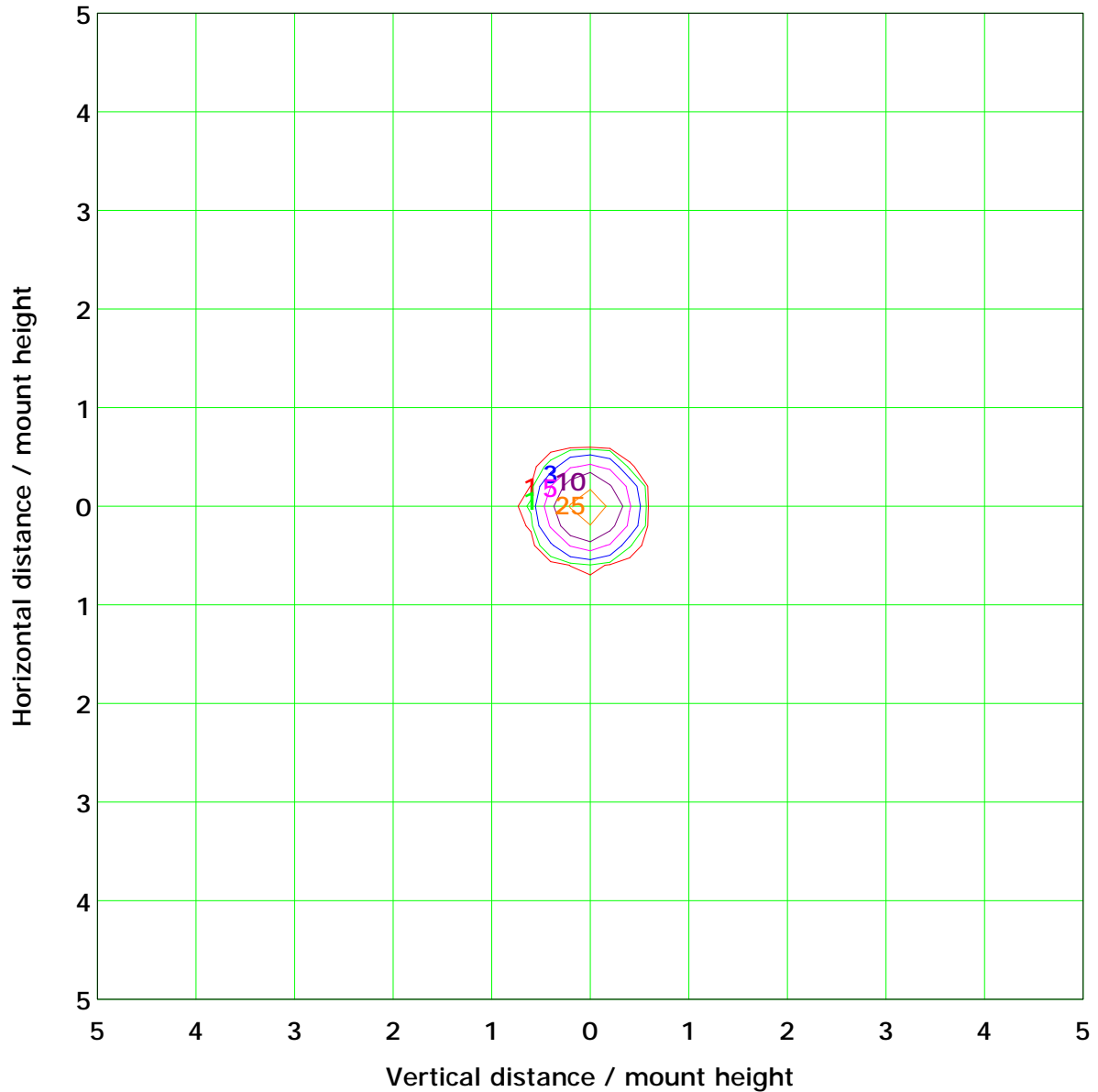
Imax (100%): 5057 cd

(10%): 506 cd	(16%): 809 cd
(25%): 1264 cd	(40%): 2023 cd
(63%): 3186 cd	(100%): 5057 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%): 50.6 lx

(1%): 0.5 lx	(2%): 1.0 lx
(5%): 2.5 lx	(10%): 5.1 lx
(20%): 10.1 lx	(50%): 25.3 lx
(100%): 50.6 lx	

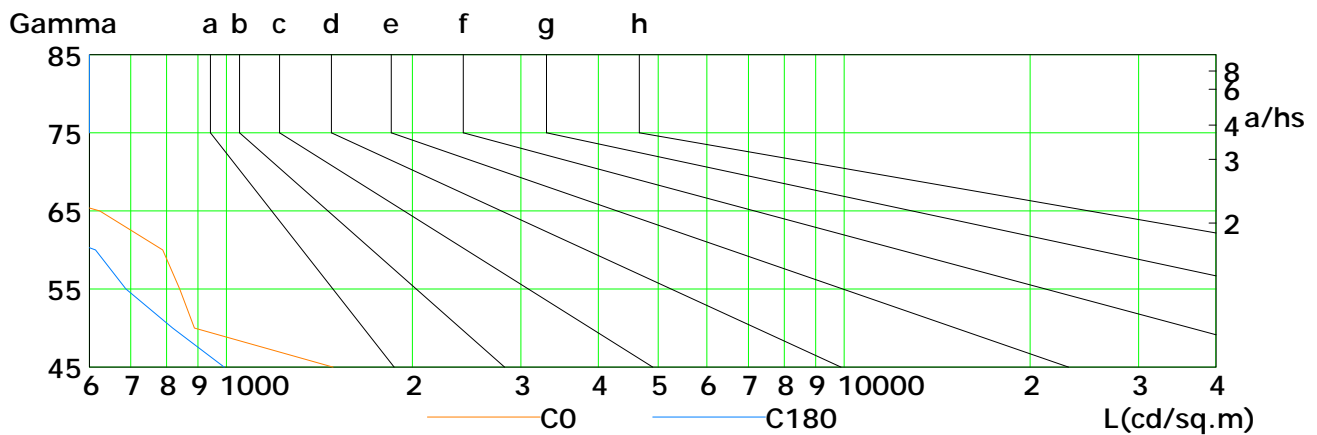
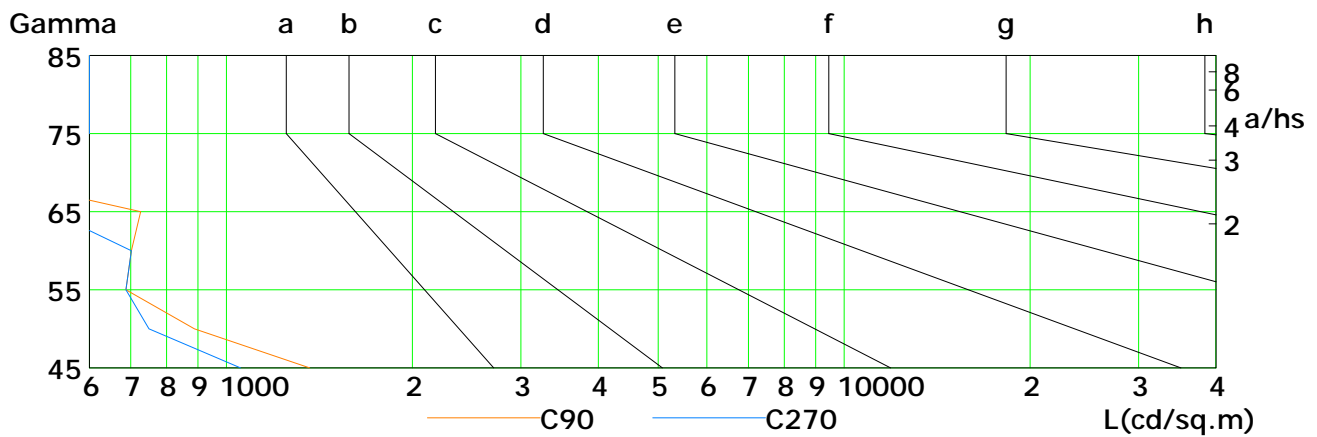
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	1489	888	840	789	624	385	0	0	0
C90	1365	888	688	702	726	385	0	0	0
C180	992	819	688	614	414	129	0	0	0
C270	1054	750	688	702	519	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

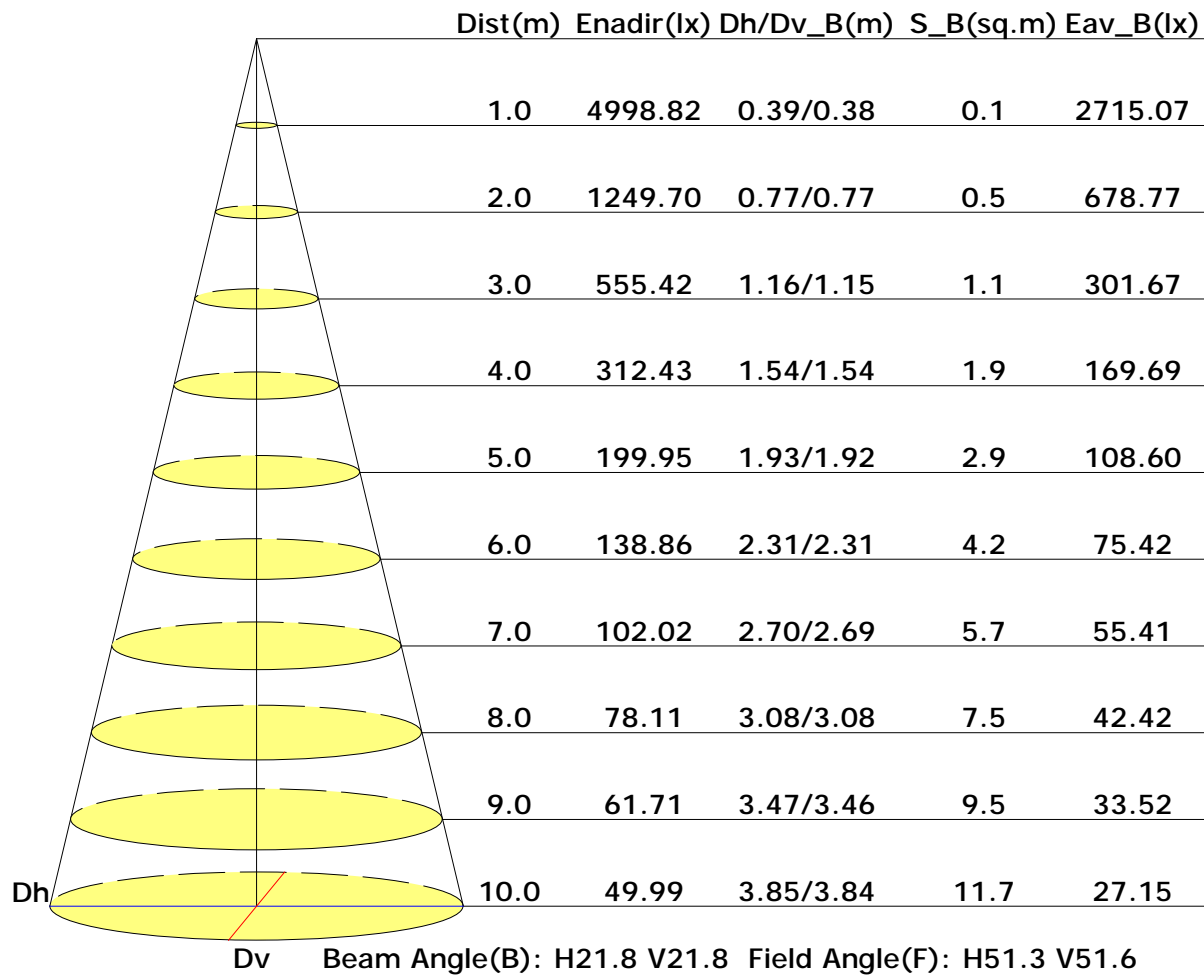
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

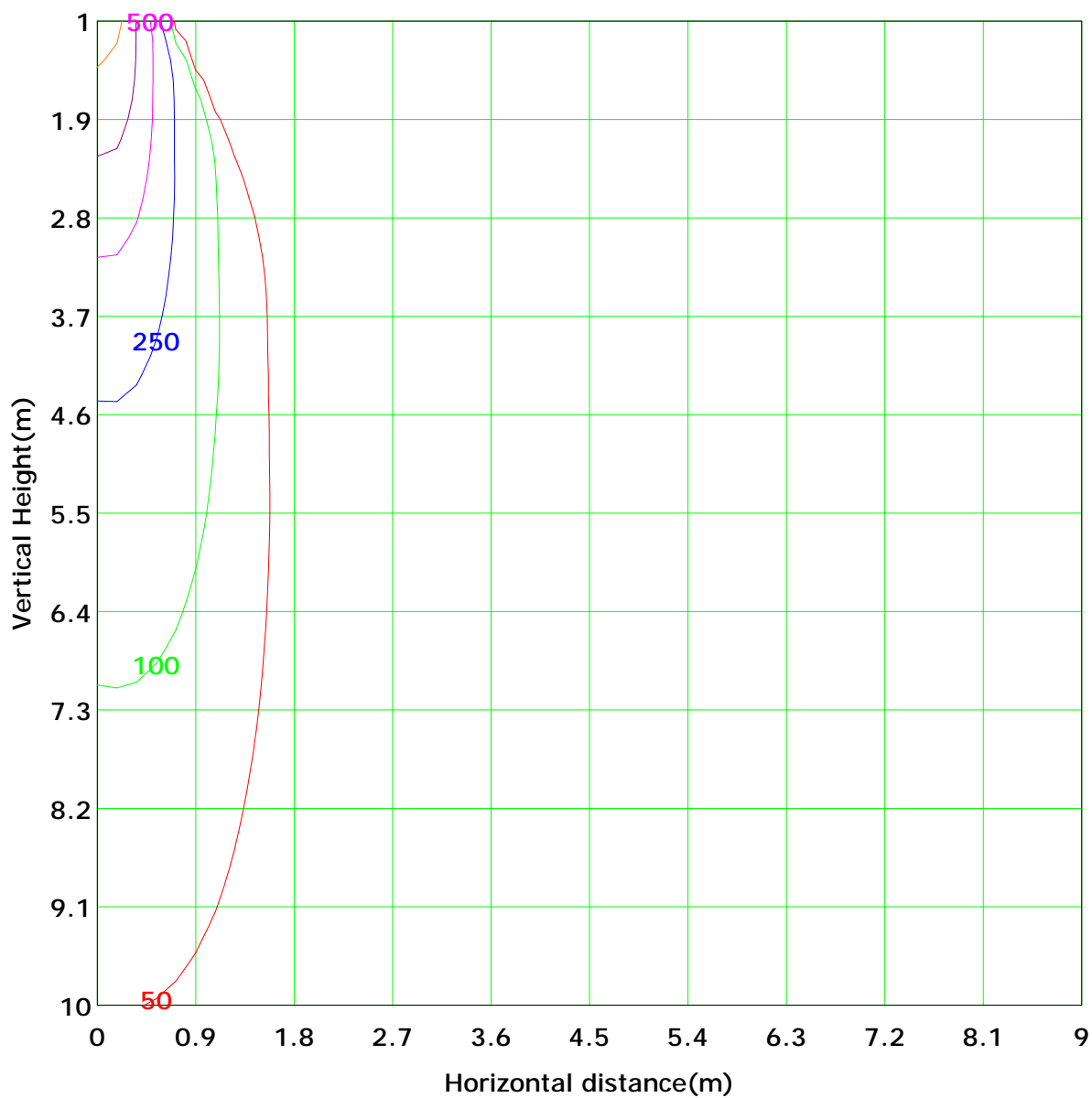
Illuminance at a Distance



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



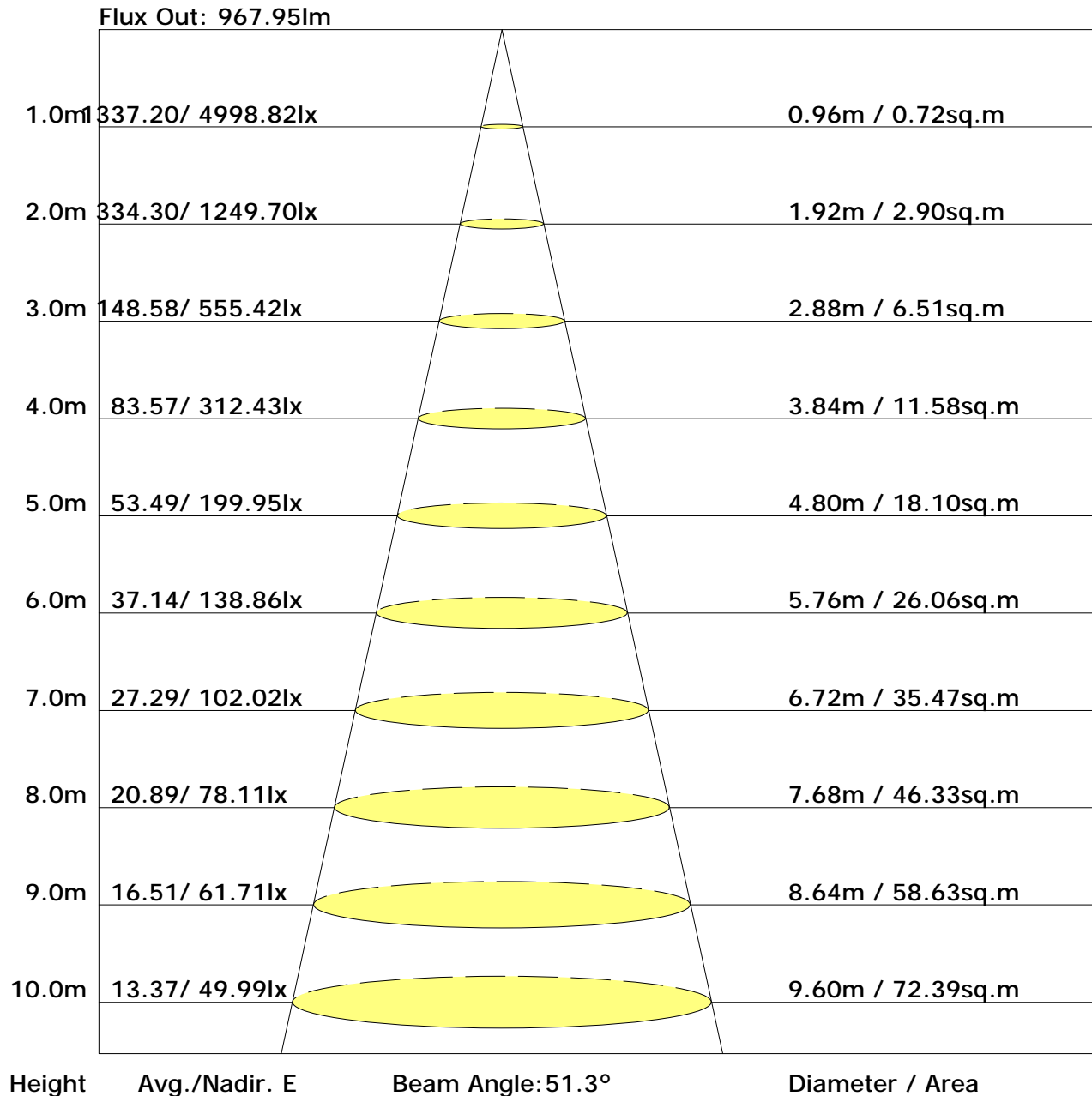
Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 4998.8 lx

(1%): 50.0 lx	(2%): 100.0 lx
(5%): 249.9 lx	(10%): 499.9 lx
(20%): 999.8 lx	(50%): 2499.4 lx
(100%): 4998.8 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	4.3	4.9	4.5	5.1	5.3	2.6	3.2	2.8	3.4	3.6
3H	4.4	4.9	4.6	5.1	5.4	2.7	3.3	3.0	3.5	3.7
4H	4.3	4.8	4.6	5.1	5.3	2.6	3.2	2.9	3.4	3.7
6H	4.2	4.7	4.5	5.0	5.3	2.5	3.0	2.9	3.3	3.6
8H	4.2	4.6	4.5	4.9	5.2	2.5	3.0	2.8	3.3	3.6
12H	4.1	4.6	4.5	4.9	5.2	2.5	2.9	2.8	3.2	3.5
X=4H Y=2H	4.3	4.8	4.6	5.0	5.3	2.7	3.2	3.0	3.4	3.7
3H	4.3	4.8	4.7	5.1	5.4	2.8	3.3	3.1	3.6	3.9
4H	4.3	4.7	4.6	5.0	5.3	2.7	3.1	3.1	3.5	3.8
6H	4.2	4.5	4.6	4.9	5.3	2.6	3.0	3.0	3.4	3.7
8H	4.1	4.5	4.5	4.8	5.2	2.6	2.9	3.0	3.3	3.7
12H	4.1	4.4	4.5	4.8	5.2	2.5	2.8	3.0	3.2	3.7
X=8H Y=4H	4.1	4.5	4.5	4.8	5.2	2.6	2.9	3.0	3.3	3.7
6H	4.0	4.3	4.5	4.7	5.2	2.5	2.8	2.9	3.2	3.6
8H	4.0	4.2	4.4	4.7	5.1	2.4	2.7	2.9	3.1	3.6
12H	3.9	4.1	4.4	4.6	5.1	2.4	2.6	2.9	3.1	3.6
X=12H Y=4H	4.1	4.4	4.5	4.8	5.2	2.5	2.8	3.0	3.2	3.7
6H	4.0	4.2	4.4	4.7	5.1	2.4	2.7	2.9	3.1	3.6
8H	3.9	4.1	4.4	4.6	5.1	2.4	2.6	2.9	3.1	3.6
Variations with the observer position at spacings:										
S=1.0H	+5.4/-4.6					+3.1/-2.7				
S=1.5H	+8.1/-4.7					+5.3/-3.1				
S=2.0H	+10.0/-7.3					+7.1/-6.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1083lm ($8\log(F/F_0) = 0.3$).

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:

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	1.05	1.07	1.10	1.12	1.14	1.16	1.17
	0.30		0.92	0.97	1.01	1.04	1.07	1.10	1.11	1.14	1.15
	0.20		0.89	0.95	0.98	1.01	1.05	1.07	1.09	1.12	1.14
0.50	0.50	0.20	0.95	0.99	1.02	1.05	1.07	1.09	1.10	1.12	1.13
	0.30		0.91	0.96	0.99	1.02	1.05	1.07	1.08	1.10	1.11
	0.20		0.89	0.94	0.97	0.99	1.03	1.05	1.07	1.09	1.10
0.30	0.50	0.20	0.94	0.98	1.01	1.02	1.05	1.06	1.07	1.08	1.09
	0.30		0.91	0.95	0.98	1.00	1.03	1.04	1.05	1.07	1.08
	0.20		0.88	0.93	0.96	0.98	1.01	1.03	1.04	1.06	1.07
0.00	0.00	0.00	0.87	0.91	0.94	0.96	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>											

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	0.49	0.40	0.33	0.29	0.23	0.19	0.16	0.13	0.10
	0.30		0.41	0.34	0.29	0.26	0.21	0.17	0.15	0.12	0.10
	0.20		0.35	0.30	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	0.27	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	0.25	0.22	0.18	0.15	0.13	0.10	0.08
0.30	0.50	0.20	0.44	0.35	0.29	0.25	0.19	0.16	0.13	0.10	0.08
	0.30		0.38	0.31	0.26	0.22	0.18	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>											

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	0.12	0.14	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		0.07	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	0.21
	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	0.19
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>											

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

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	5007.7	4.8	4.8	0.44	0.44
1.0-2.0	4949.2	14.2	19.0	1.31	1.75
2.0-3.0	4833.1	23.1	42.1	2.13	3.89
3.0-4.0	4665.6	31.2	73.4	2.88	6.77
4.0-5.0	4450.0	38.3	111.6	3.54	10.31
5.0-6.0	4191.5	44.1	155.7	4.07	14.38
6.0-7.0	3899.1	48.4	204.1	4.47	18.84
7.0-8.0	3584.5	51.3	255.4	4.74	23.58
8.0-9.0	3263.6	52.9	308.3	4.88	28.47
9.0-10.0	2946.1	53.3	361.6	4.92	33.39
10.0-11.0	2641.0	52.8	414.4	4.87	38.26
11.0-12.0	2356.0	51.5	465.9	4.76	43.02
12.0-13.0	2095.4	49.7	515.6	4.59	47.61
13.0-14.0	1860.7	47.6	563.3	4.40	52.01
14.0-15.0	1650.5	45.3	608.6	4.18	56.19
15.0-16.0	1465.1	42.9	651.5	3.96	60.16
16.0-17.0	1304.3	40.6	692.2	3.75	63.91
17.0-18.0	1167.0	38.5	730.6	3.55	67.46
18.0-19.0	1051.3	36.6	767.2	3.38	70.84
19.0-20.0	952.2	34.9	802.1	3.22	74.06
20.0-21.0	865.3	33.2	835.3	3.07	77.12
21.0-22.0	788.4	31.7	867.0	2.93	80.05
22.0-23.0	717.7	30.1	897.1	2.78	82.83
23.0-24.0	649.9	28.4	925.5	2.62	85.45
24.0-25.0	582.1	26.5	952.0	2.44	87.90
25.0-26.0	510.5	24.1	976.1	2.23	90.12
26.0-27.0	434.9	21.3	997.4	1.96	92.09
27.0-28.0	355.3	18.0	1015.4	1.66	93.75
28.0-29.0	274.7	14.4	1029.7	1.33	95.08
29.0-30.0	199.6	10.8	1040.5	1.00	96.07
30.0-31.0	136.0	7.6	1048.1	0.70	96.77
31.0-32.0	88.8	5.1	1053.2	0.47	97.24
32.0-33.0	58.2	3.4	1056.6	0.32	97.56
33.0-34.0	41.2	2.5	1059.1	0.23	97.79
34.0-35.0	33.2	2.1	1061.2	0.19	97.98
35.0-36.0	28.9	1.8	1063.0	0.17	98.15

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	25.6	1.7	1064.7	0.15	98.30
37.0-38.0	22.7	1.5	1066.2	0.14	98.44
38.0-39.0	20.2	1.4	1067.6	0.13	98.57
39.0-40.0	17.8	1.2	1068.8	0.11	98.68
40.0-41.0	15.9	1.1	1069.9	0.10	98.79
41.0-42.0	14.0	1.0	1071.0	0.09	98.88
42.0-43.0	12.4	0.9	1071.9	0.08	98.97
43.0-44.0	11.0	0.8	1072.7	0.08	99.04
44.0-45.0	9.8	0.7	1073.5	0.07	99.11
45.0-46.0	8.7	0.7	1074.1	0.06	99.18
46.0-47.0	7.8	0.6	1074.8	0.06	99.23
47.0-48.0	7.1	0.6	1075.3	0.05	99.29
48.0-49.0	6.5	0.5	1075.9	0.05	99.34
49.0-50.0	6.0	0.5	1076.4	0.05	99.38
50.0-51.0	5.6	0.5	1076.9	0.04	99.43
51.0-52.0	5.4	0.5	1077.3	0.04	99.47
52.0-53.0	5.0	0.4	1077.8	0.04	99.51
53.0-54.0	4.7	0.4	1078.2	0.04	99.55
54.0-55.0	4.5	0.4	1078.6	0.04	99.58
55.0-56.0	4.4	0.4	1079.0	0.04	99.62
56.0-57.0	4.4	0.4	1079.4	0.04	99.66
57.0-58.0	4.3	0.4	1079.8	0.04	99.70
58.0-59.0	4.1	0.4	1080.2	0.04	99.73
59.0-60.0	4.0	0.4	1080.5	0.03	99.77
60.0-61.0	3.7	0.4	1080.9	0.03	99.80
61.0-62.0	3.5	0.3	1081.2	0.03	99.83
62.0-63.0	3.4	0.3	1081.5	0.03	99.86
63.0-64.0	2.9	0.3	1081.8	0.03	99.89
64.0-65.0	2.6	0.3	1082.1	0.02	99.91
65.0-66.0	2.2	0.2	1082.3	0.02	99.93
66.0-67.0	1.8	0.2	1082.5	0.02	99.95
67.0-68.0	1.7	0.2	1082.7	0.02	99.96
68.0-69.0	1.4	0.1	1082.8	0.01	99.98
69.0-70.0	1.0	0.1	1082.9	0.01	99.99
70.0-71.0	0.7	0.1	1083.0	0.01	99.99
71.0-72.0	0.4	0.0	1083.0	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	4998.8	5012.1	5019.8	5056.9	4998.8	5012.1	5019.8	5056.9	4998.8	
G1.0	5043.5	5046.4	5026.9	5000.3	4903.2	4913.6	4961.7	5051.6	5043.5	
G2.0	5045.9	5035.0	4970.7	4893.6	4744.7	4766.1	4830.8	4953.6	5045.9	
G3.0	4967.9	4966.0	4873.2	4711.4	4533.9	4558.6	4651.9	4827.0	4967.9	
G4.0	4846.5	4835.1	4721.4	4501.0	4267.8	4296.4	4439.6	4651.9	4846.5	
G5.0	4662.4	4674.3	4510.1	4235.5	3964.2	3982.3	4179.8	4431.1	4662.4	
G6.0	4435.8	4453.9	4251.7	3944.7	3647.3	3661.1	3869.0	4161.2	4435.8	
G7.0	4166.5	4167.9	3950.4	3623.0	3317.0	3337.9	3539.2	3859.1	4166.5	
G8.0	3859.5	3852.9	3630.6	3295.1	3002.4	3008.6	3209.4	3532.6	3859.5	
G9.0	3539.2	3535.9	3315.1	2972.4	2686.0	2686.0	2887.7	3203.3	3539.2	
G10.0	3214.7	3210.9	2995.8	2662.2	2392.3	2387.1	2572.2	2876.8	3214.7	
G11.0	2903.0	2900.6	2677.9	2372.8	2125.4	2118.2	2279.1	2567.5	2903.0	
G12.0	2594.6	2589.4	2384.7	2119.2	1888.8	1874.1	2015.4	2285.3	2594.6	
G13.0	2314.3	2305.7	2121.1	1884.6	1676.1	1659.0	1782.7	2031.6	2314.3	
G14.0	2062.5	2050.2	1881.7	1667.1	1485.8	1468.1	1575.2	1805.6	2062.5	
G15.0	1833.6	1824.1	1670.4	1476.7	1319.7	1302.1	1392.5	1592.3	1833.6	
G16.0	1628.0	1621.9	1482.9	1310.6	1175.0	1161.7	1237.3	1412.9	1628.0	
G17.0	1445.3	1442.4	1321.1	1169.3	1057.0	1045.1	1104.6	1253.0	1445.3	
G18.0	1283.5	1283.5	1180.7	1052.7	960.4	954.2	1001.3	1117.4	1283.5	
G19.0	1147.4	1146.4	1066.0	956.1	872.3	872.3	917.0	1010.3	1147.4	
G20.0	1034.6	1033.7	968.5	864.2	791.4	800.0	833.3	921.8	1034.6	
G21.0	940.8	937.5	879.5	790.5	721.0	728.1	765.7	834.7	940.8	
G22.0	853.3	850.4	804.7	716.2	657.2	666.3	701.0	768.1	853.3	
G23.0	781.0	778.6	735.7	652.5	582.5	593.9	641.5	699.6	781.0	
G24.0	713.4	708.6	672.9	583.0	514.0	527.8	574.9	639.1	713.4	
G25.0	653.4	648.7	603.0	523.0	434.0	446.4	503.5	568.2	653.4	
G26.0	583.5	578.7	546.3	446.4	350.3	360.3	422.6	500.2	583.5	
G27.0	517.8	516.8	474.5	362.6	268.9	272.7	335.0	422.1	517.8	
G28.0	438.3	440.2	392.1	277.9	193.2	190.8	244.6	337.4	438.3	
G29.0	354.1	355.5	304.1	200.8	125.6	121.3	163.7	255.1	354.1	
G30.0	270.3	271.7	215.1	133.3	73.8	69.0	101.8	178.9	270.3	
G31.0	194.2	190.8	140.4	78.5	43.3	43.3	59.0	112.8	194.2	
G32.0	124.7	121.3	84.7	48.5	35.7	37.6	41.9	63.3	124.7	
G33.0	71.4	70.0	50.5	38.5	31.9	33.3	36.6	41.4	71.4	
G34.0	42.8	44.3	40.5	33.8	27.6	29.5	32.4	34.7	42.8	
G35.0	35.7	36.2	34.3	28.5	24.8	25.7	29.0	30.9	35.7	
G36.0	30.9	31.9	30.5	25.2	22.4	22.8	25.7	28.5	30.9	

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 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	27.6	27.6	26.6	22.8	20.0	20.0	22.8	24.8	27.6	
G38.0	24.8	24.8	23.8	20.0	17.6	17.6	20.0	22.8	24.8	
G39.0	22.8	22.4	20.9	18.1	15.2	15.2	17.6	19.0	22.8	
G40.0	20.0	19.5	19.0	15.2	13.8	13.8	15.2	17.1	20.0	
G41.0	18.1	17.1	15.7	14.3	12.4	13.3	13.8	15.2	18.1	
G42.0	15.2	15.2	13.8	11.4	10.9	10.9	12.4	13.8	15.2	
G43.0	13.8	13.8	12.4	10.9	10.0	10.0	10.9	12.4	13.8	
G44.0	11.9	11.9	10.9	9.0	9.0	8.6	9.5	10.9	11.9	
G45.0	11.4	10.9	10.5	8.1	7.6	7.6	8.1	10.0	11.4	
G46.0	10.0	9.0	8.1	7.6	7.1	7.1	7.6	8.1	10.0	
G47.0	8.1	8.6	8.6	6.7	6.7	6.7	7.1	7.6	8.1	
G48.0	7.6	7.6	6.7	6.2	6.2	6.2	6.2	7.1	7.6	
G49.0	7.1	7.1	7.1	6.2	5.2	5.2	6.2	6.2	7.1	
G50.0	6.2	6.2	6.2	5.2	5.7	5.2	5.2	6.2	6.2	
G51.0	6.2	5.7	6.2	5.2	5.2	5.2	4.8	5.2	6.2	
G52.0	6.2	5.2	5.7	4.8	5.2	5.2	5.2	5.2	6.2	
G53.0	5.2	5.2	5.2	4.3	4.3	4.8	4.3	4.3	5.2	
G54.0	5.2	5.2	5.2	4.3	4.3	4.3	4.3	4.3	5.2	
G55.0	5.2	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.2	
G56.0	4.3	5.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	
G57.0	5.2	4.3	4.3	4.3	3.8	3.8	4.3	4.8	5.2	
G58.0	4.3	4.8	4.3	3.8	3.8	3.8	4.8	4.3	4.3	
G59.0	4.3	4.3	4.3	3.8	3.8	3.8	3.8	4.3	4.3	
G60.0	4.3	4.3	3.8	3.8	3.3	3.8	3.8	3.8	4.3	
G61.0	3.8	3.8	3.8	3.8	2.9	3.8	2.9	3.8	3.8	
G62.0	3.8	3.8	3.8	3.3	3.3	3.3	2.9	3.8	3.8	
G63.0	3.8	3.8	3.8	2.9	2.9	1.9	3.3	3.3	3.8	
G64.0	3.3	2.9	2.9	2.4	2.4	2.4	1.9	3.3	3.3	
G65.0	2.9	3.3	3.3	1.9	1.9	1.9	2.4	2.4	2.9	
G66.0	2.4	1.9	1.9	2.4	1.4	1.4	1.4	2.4	2.4	
G67.0	1.9	2.4	2.4	1.4	1.4	1.4	1.4	1.9	1.9	
G68.0	2.4	2.4	0.9	1.4	0.9	1.4	1.4	2.4	2.4	
G69.0	0.9	0.9	1.4	1.4	0.5	1.4	0.9	1.4	0.9	
G70.0	1.4	1.4	1.4	0.5	0.5	0.5	0.5	0.5	1.4	
G71.0	1.4	0.5	1.4	0.5	0.0	0.5	0.0	0.0	1.4	
G72.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	
G73.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	

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: 4.000 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: