

Report No.: LE-08TR HUGO 4000K (25W-38W)

Test Time: 2018-08-28 01:04

Luminaire Property

Luminaire Category:

Lamp Description: Luminus-4000K

Length (mm): 220

Voltage: 225.5 V

Power: 23.40 W

Number of Lamps: 1

Width (mm): 80

Current: 0.108 A

Power Factor: 0.957

Photometric Results

CIE Class: Direct

Measurement Flux: 1888.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 73.6, 73.6, 73.5, 73.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 38.8, 38.6, 38.7, 38.6

Luminaire Efficacy Rating (LER): 80.76

Max. Intensity: 3741.03 cd

S/MH(C0/C180): 0.63

Total Rated Lamp Lumens: 1888.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 3741.02 cd

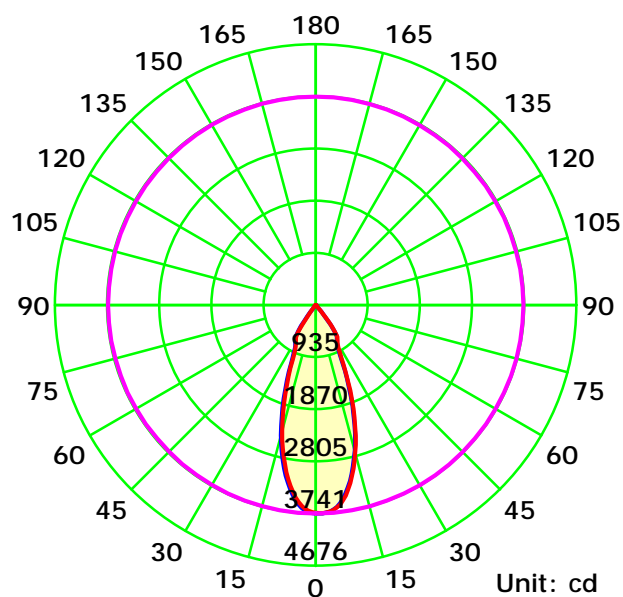
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 0.63

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

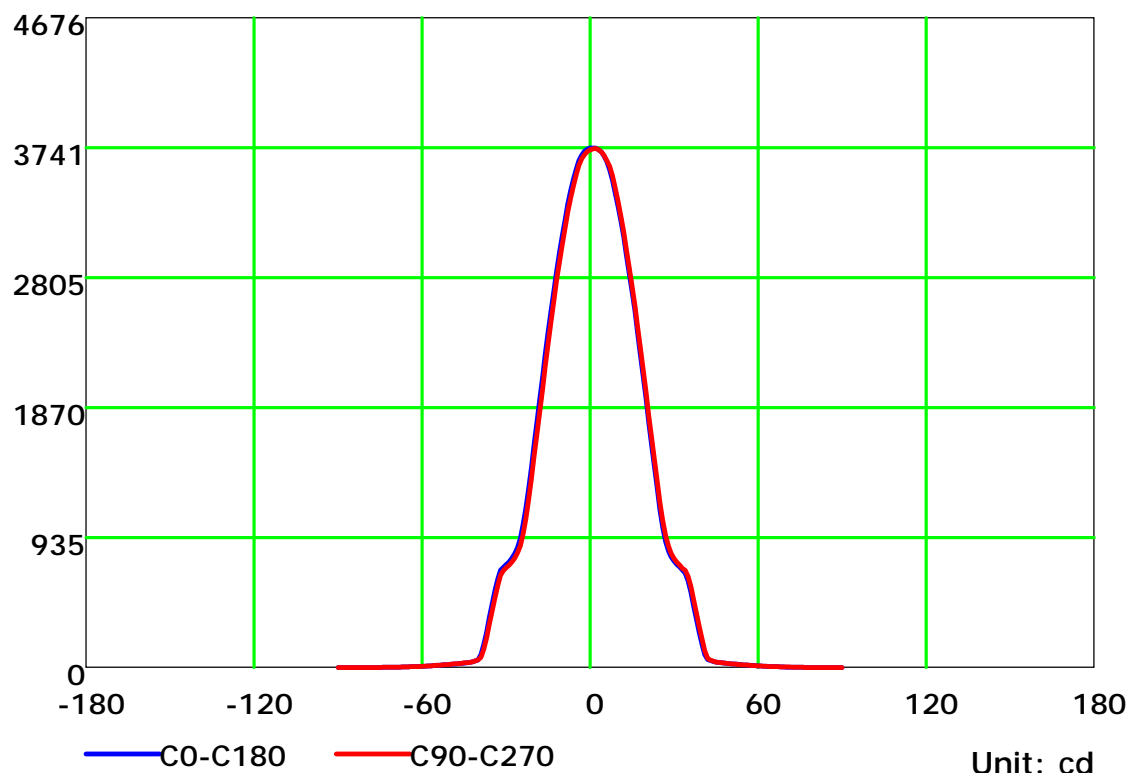
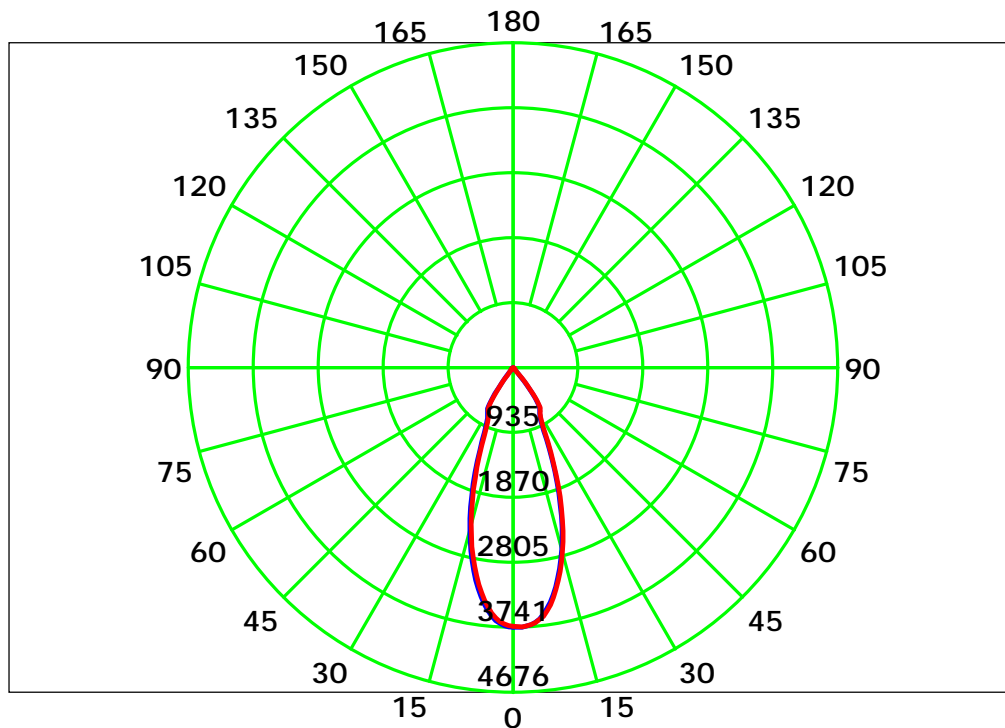
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

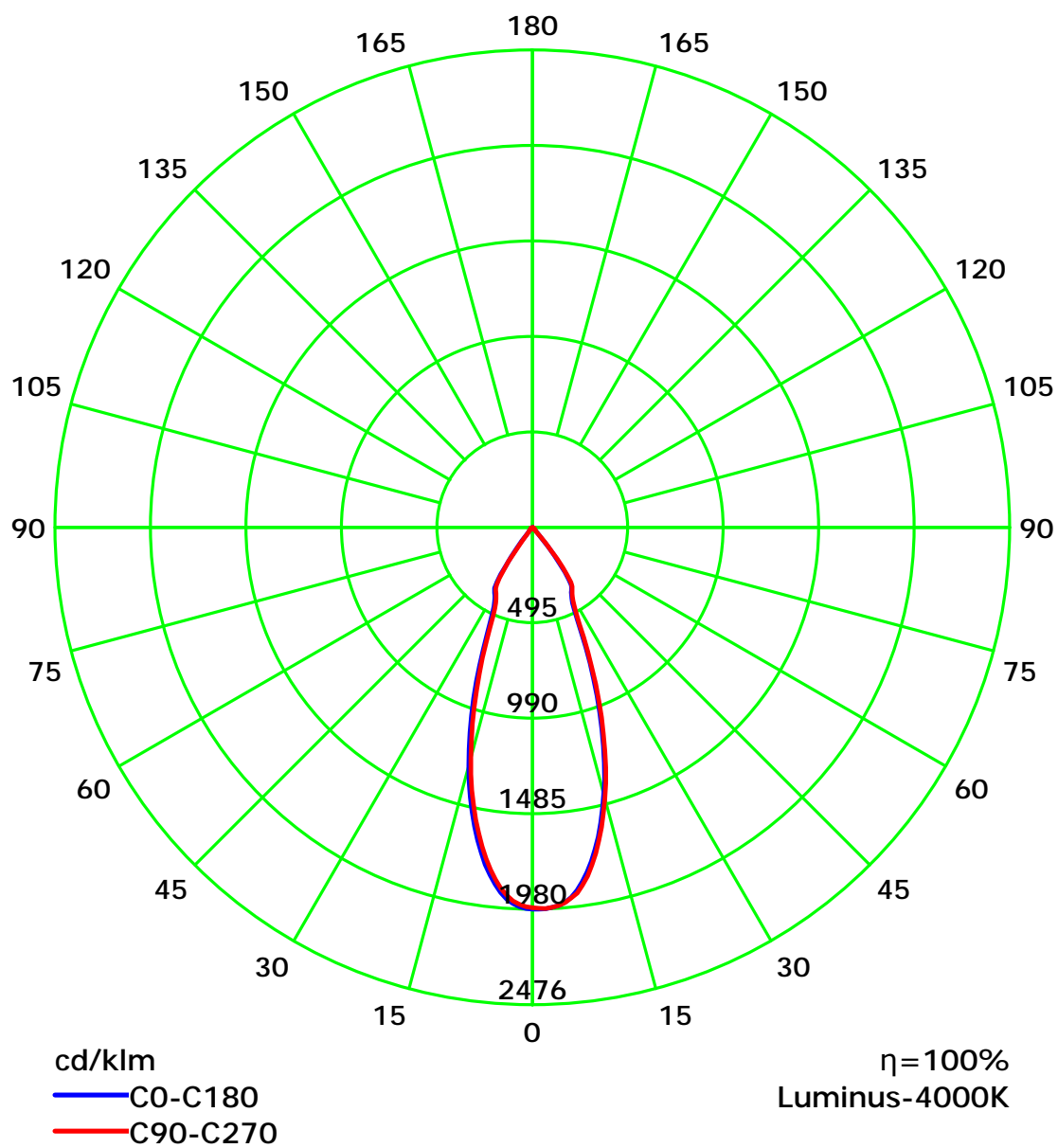
Luminous Intensity Distribution Curve



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:

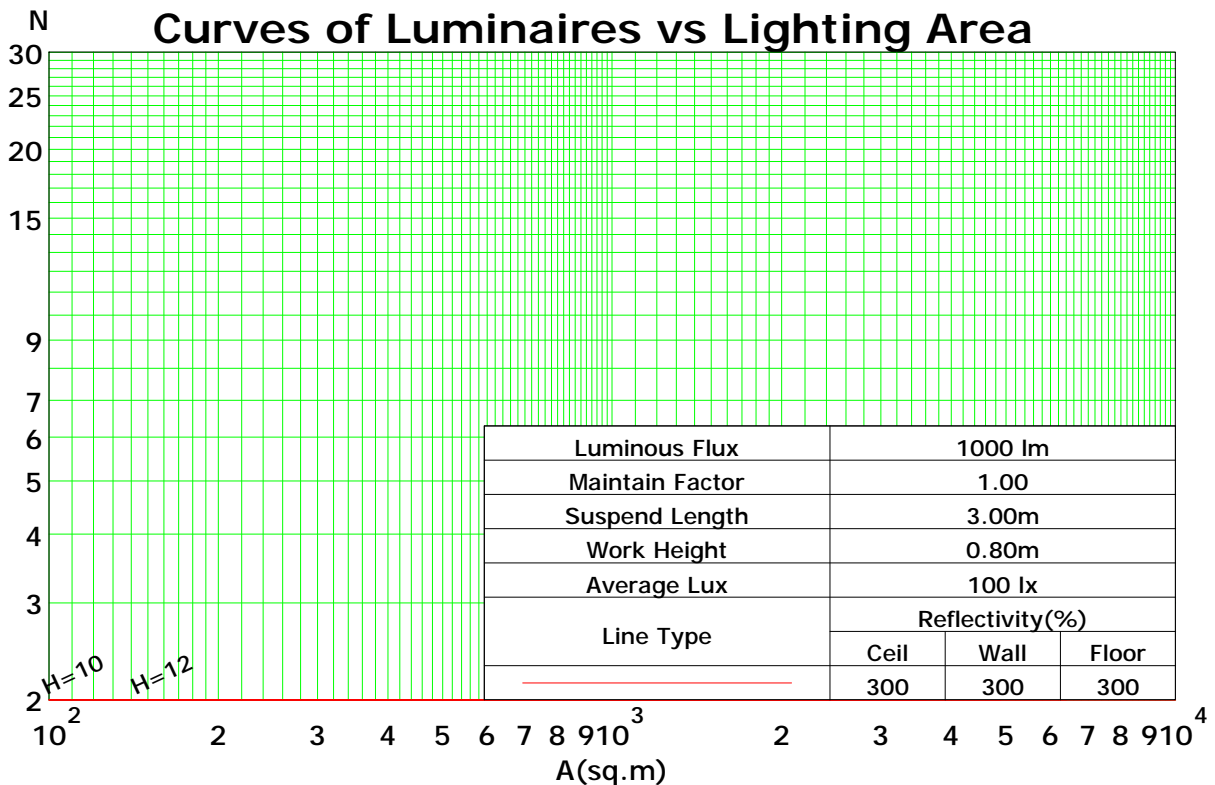
Coefficients Of Utilization - Zonal Cavity Method

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	83	81	80
5	96	88	83	79	94	87	83	79	86	81	78	84	80	78	83	79	77	76
6	92	84	78	75	90	83	78	74	82	77	74	80	76	73	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

Spacing Criteria (0-180): 0.63

Spacing Criteria (90-270): 0.63

Spacing Criteria (Diagonal): 0.61



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

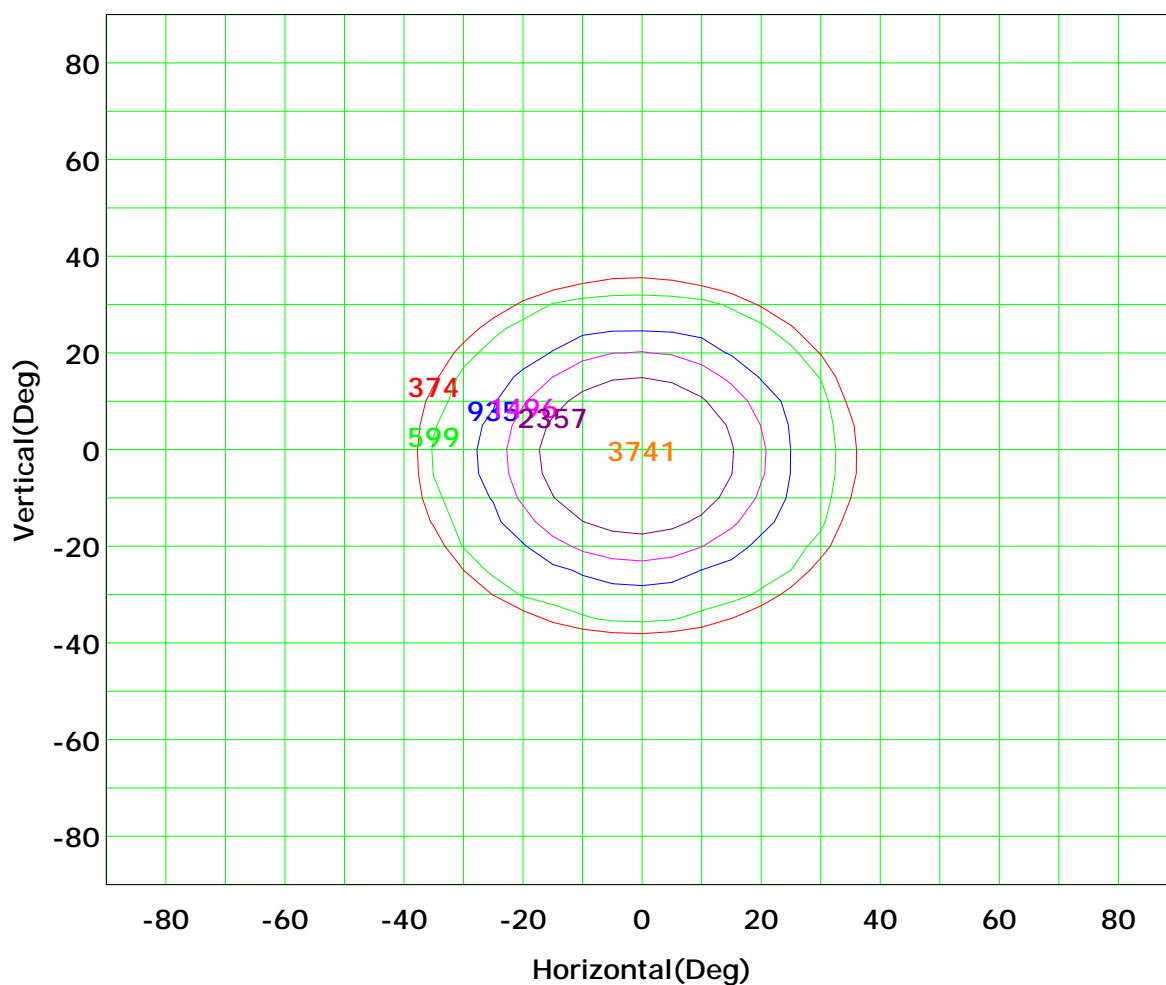
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

Isocandela (rectangle)



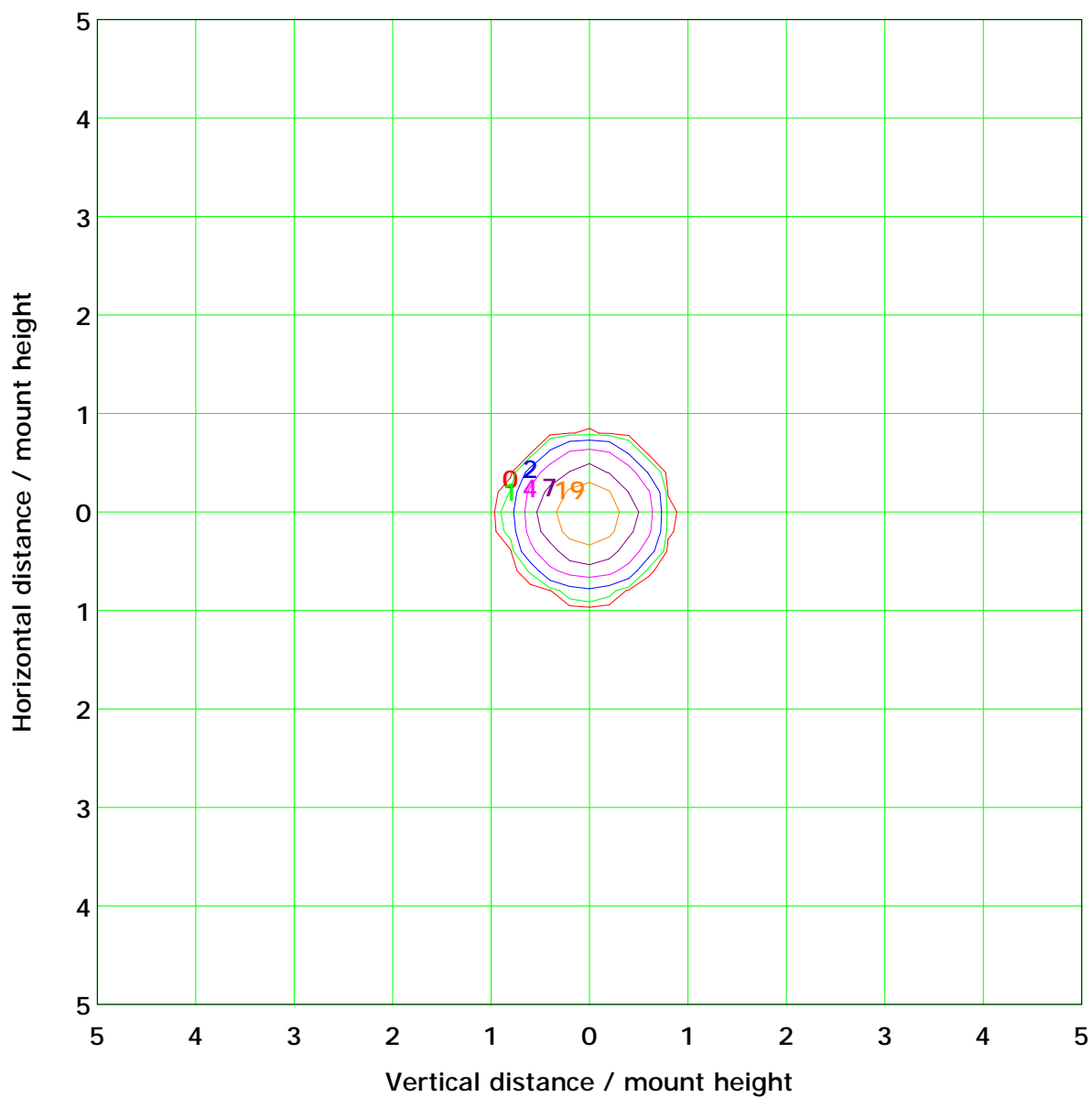
Imax (100%): 3741 cd

(10%): 374 cd	(16%): 599 cd
(25%): 935 cd	(40%): 1496 cd
(63%): 2357 cd	(100%): 3741 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%): 37.4 lx

(1%): 0.4 lx	(2%): 0.7 lx
(5%): 1.9 lx	(10%): 3.7 lx
(20%): 7.5 lx	(50%): 18.7 lx
(100%): 37.4 lx	

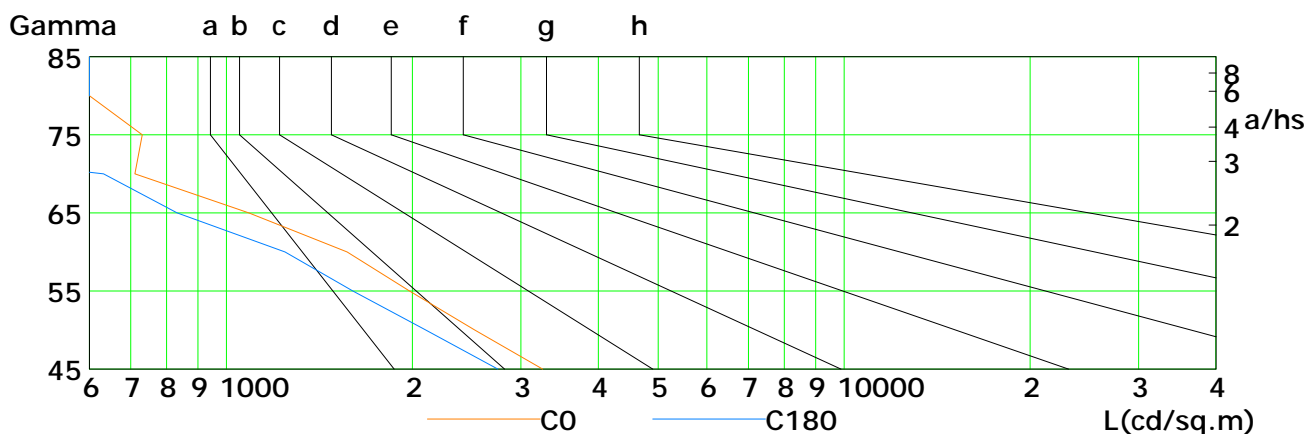
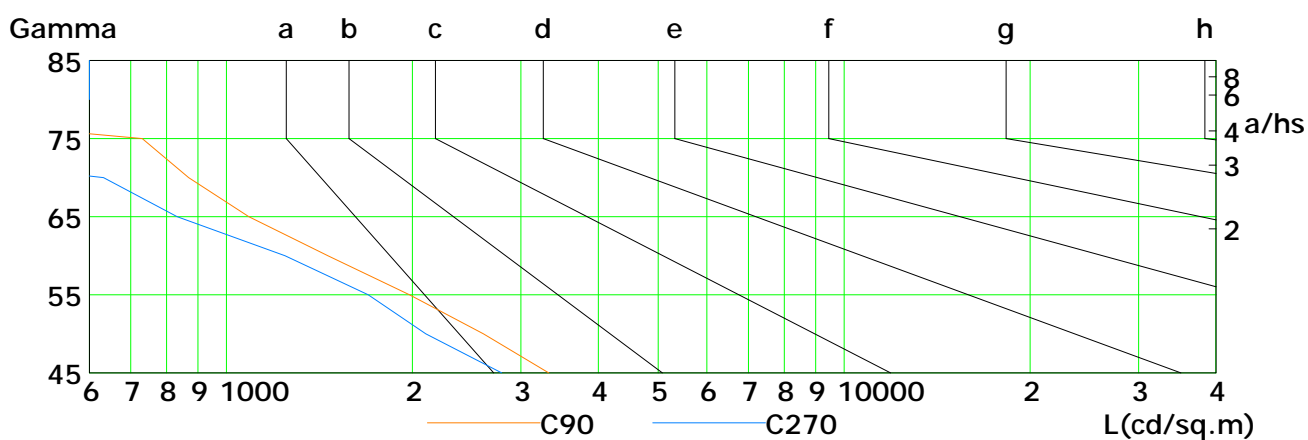
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	3250	2524	1980	1568	1088	711	731	0	0
C90	3327	2608	1980	1460	1088	869	731	157	0
C180	2753	2103	1603	1244	832	633	209	0	0
C270	2791	2103	1697	1244	832	633	209	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

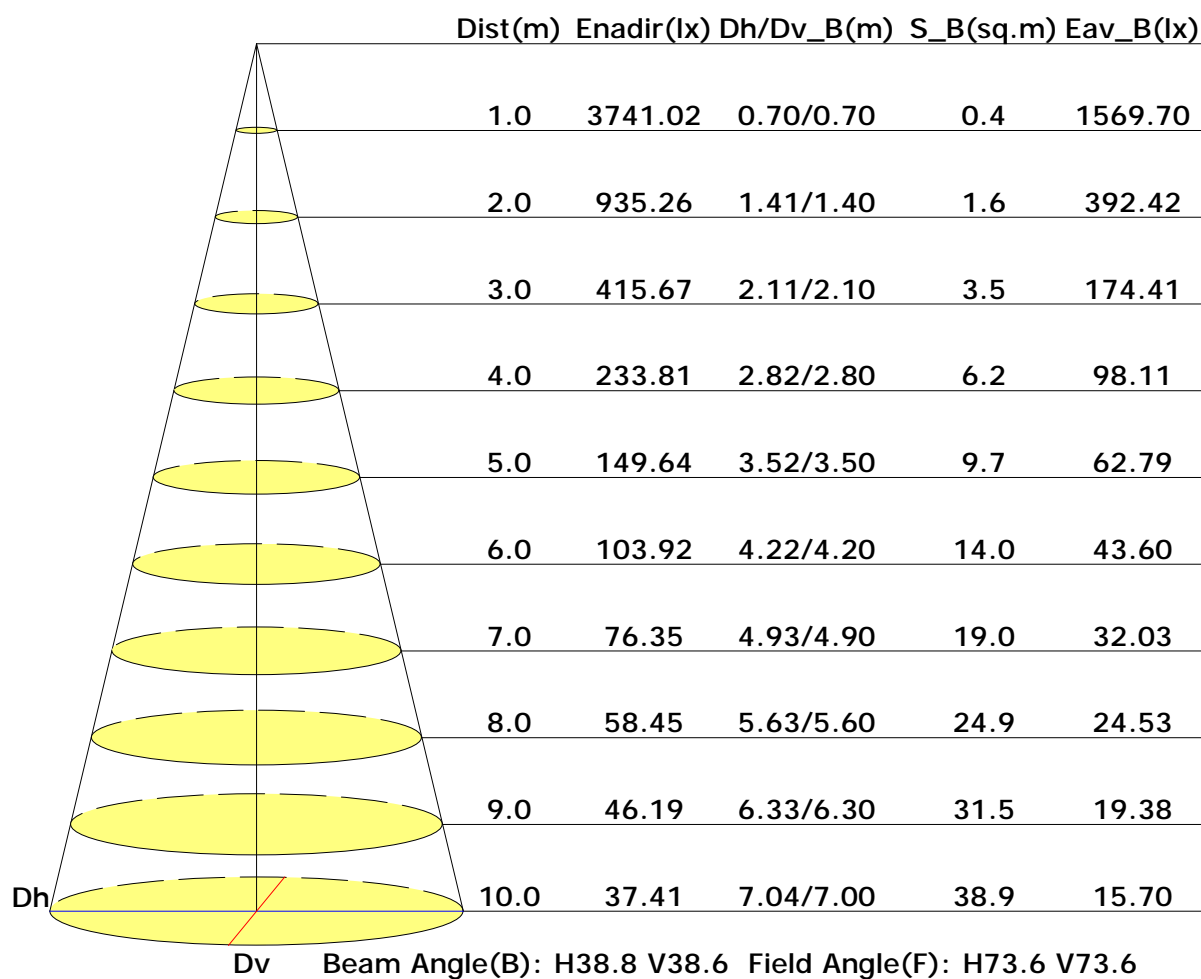
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

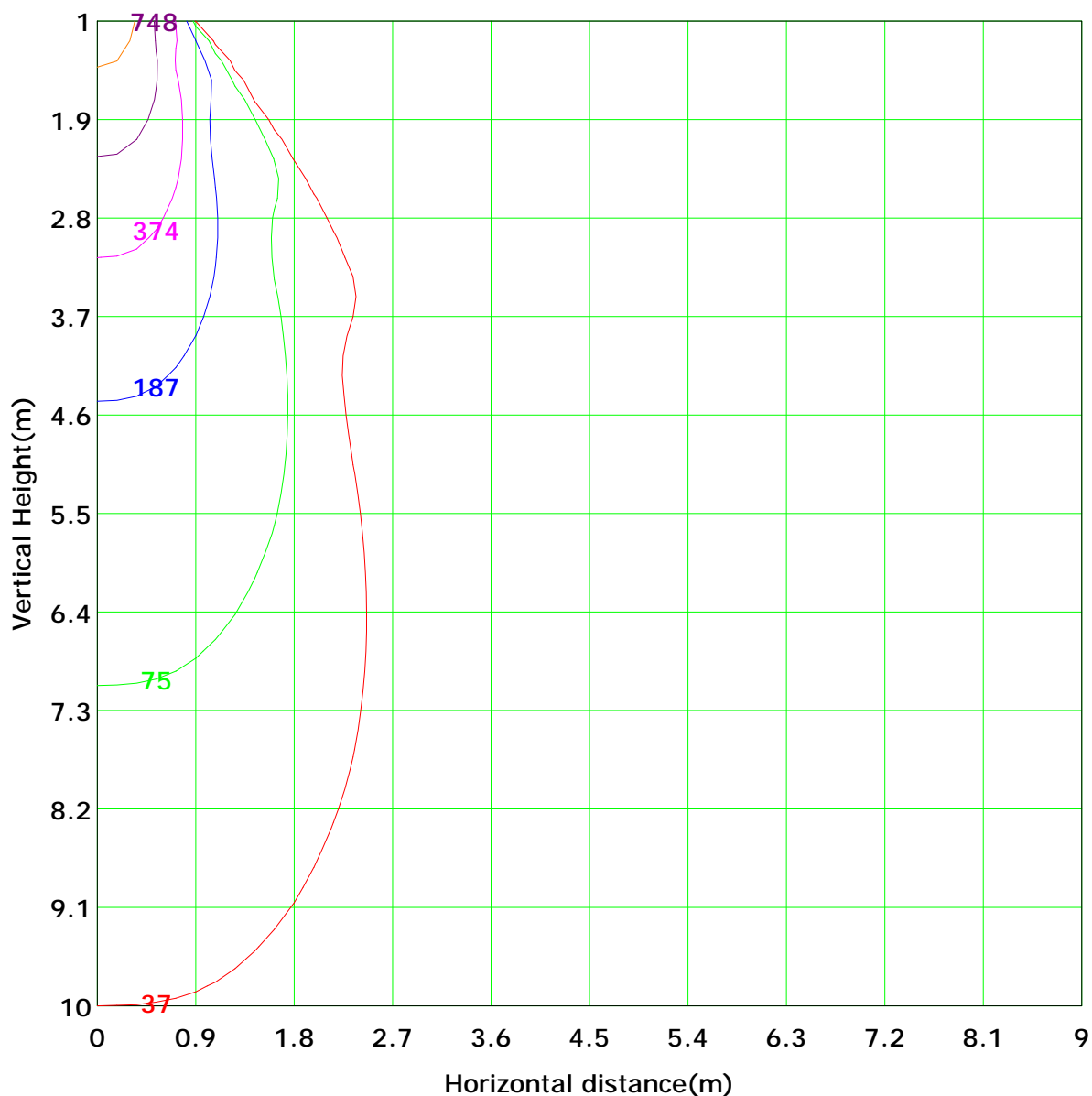
Illuminance at a Distance



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



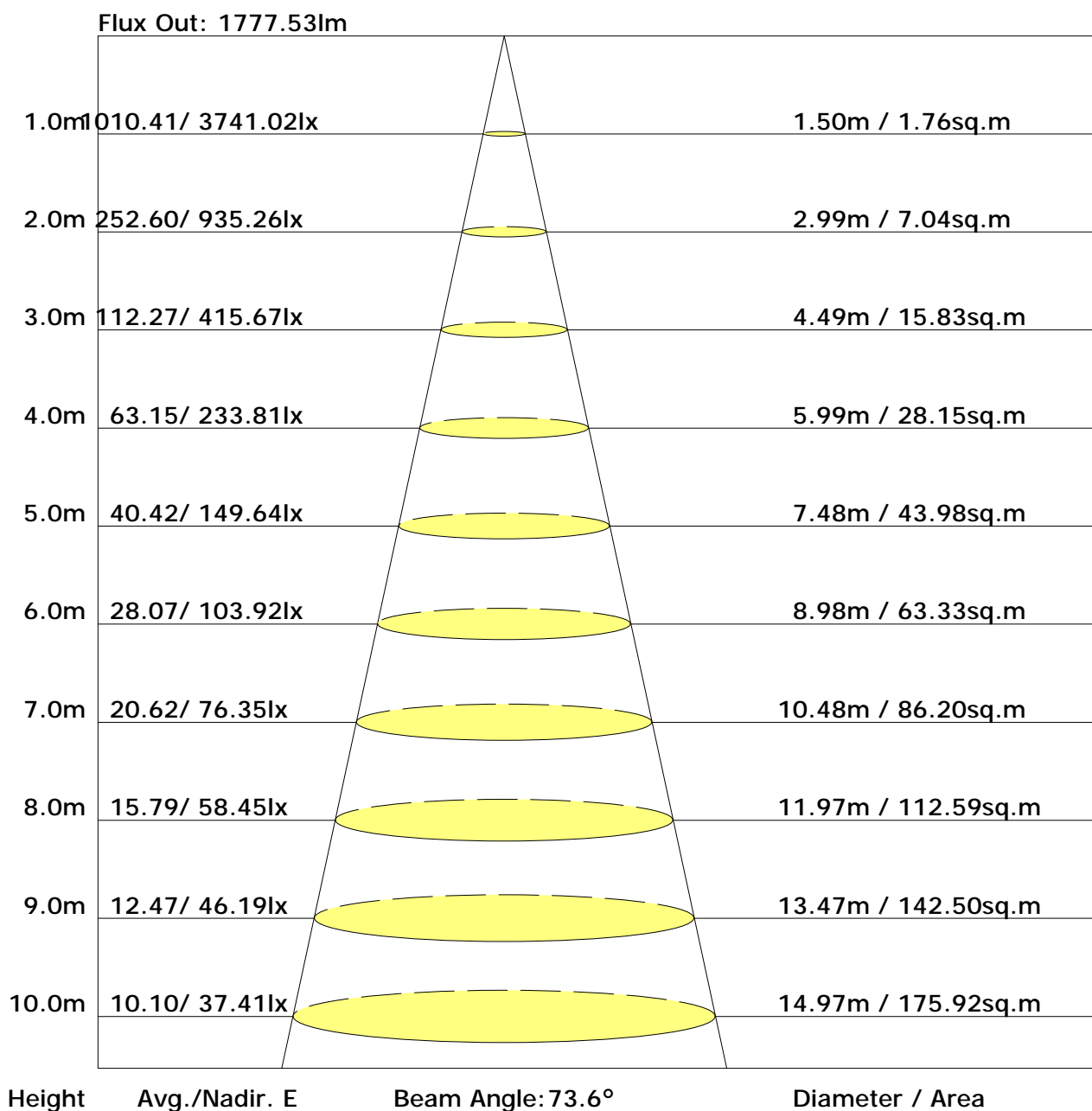
Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 3741.0 lx

(1%): 37.4 lx	(2%): 74.8 lx
(5%): 187.1 lx	(10%): 374.1 lx
(20%): 748.2 lx	(50%): 1870.5 lx
(100%): 3741.0 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	15.0	15.8	15.3	16.0	16.2	14.7	15.5	15.0	15.7	15.9
3H	14.9	15.6	15.2	15.8	16.1	14.6	15.3	14.9	15.6	15.8
4H	14.8	15.5	15.2	15.8	16.0	14.6	15.2	14.9	15.5	15.8
6H	14.8	15.4	15.1	15.7	16.0	14.5	15.1	14.8	15.4	15.7
8H	14.7	15.3	15.1	15.6	15.9	14.5	15.0	14.8	15.3	15.6
12H	14.7	15.3	15.1	15.6	15.9	14.4	15.0	14.8	15.3	15.6
X=4H Y=2H	14.8	15.5	15.1	15.7	16.0	14.6	15.2	14.9	15.5	15.7
3H	14.7	15.3	15.1	15.6	15.9	14.5	15.0	14.8	15.3	15.6
4H	14.7	15.2	15.0	15.5	15.8	14.4	14.9	14.8	15.2	15.6
6H	14.6	15.0	15.0	15.4	15.8	14.3	14.8	14.7	15.1	15.5
8H	14.5	14.9	15.0	15.3	15.7	14.3	14.7	14.7	15.1	15.5
12H	14.5	14.8	14.9	15.3	15.7	14.2	14.6	14.7	15.0	15.4
X=8H Y=4H	14.5	14.9	15.0	15.3	15.7	14.3	14.7	14.7	15.1	15.5
6H	14.5	14.8	14.9	15.2	15.7	14.2	14.5	14.6	14.9	15.4
8H	14.4	14.7	14.9	15.1	15.6	14.1	14.4	14.6	14.9	15.3
12H	14.4	14.6	14.8	15.1	15.6	14.1	14.3	14.6	14.8	15.3
X=12H Y=4H	14.5	14.9	14.9	15.3	15.7	14.2	14.6	14.7	15.0	15.4
6H	14.4	14.7	14.9	15.1	15.6	14.1	14.4	14.6	14.9	15.3
8H	14.4	14.6	14.8	15.1	15.6	14.1	14.3	14.6	14.8	15.3
Variations with the observer position at spacings:										
S=1.0H	+5.0/-9.2					+5.7/-8.4				
S=1.5H	+7.8/-10.5					+8.6/-10.2				
S=2.0H	+9.8/-12.2					+10.6/-11.7				

Calculate in accordance with CIE Pub.117. The table is revised with 1889lm ($8\log(F/F_0) = 2.2$).

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	0.90	0.96	1.00	1.02	1.06	1.08	1.10	1.12	1.13
	0.30		0.86	0.92	0.96	0.99	1.03	1.06	1.07	1.10	1.12
	0.20		0.83	0.89	0.93	0.96	1.00	1.03	1.05	1.08	1.10
0.50	0.50	0.20	0.89	0.94	0.98	1.00	1.03	1.05	1.06	1.08	1.09
	0.30		0.85	0.91	0.94	0.97	1.01	1.03	1.04	1.07	1.08
	0.20		0.82	0.88	0.92	0.95	0.98	1.01	1.03	1.05	1.07
0.30	0.50	0.20	0.88	0.93	0.96	0.98	1.01	1.02	1.03	1.05	1.06
	0.30		0.84	0.90	0.93	0.95	0.98	1.00	1.02	1.03	1.04
	0.20		0.82	0.87	0.91	0.93	0.97	0.99	1.00	1.02	1.03
0.00	0.00	0.00	0.80	0.85	0.89	0.91	0.94	0.95	0.96	0.98	0.99
<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(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	0.53	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.30		0.44	0.37	0.31	0.28	0.22	0.19	0.16	0.13	0.10
	0.20		0.38	0.32	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.50	0.50	0.20	0.51	0.40	0.34	0.29	0.23	0.23	0.16	0.12	0.10
	0.30		0.43	0.35	0.30	0.26	0.21	0.17	0.15	0.11	0.09
	0.20		0.37	0.31	0.27	0.23	0.19	0.16	0.14	0.11	0.09
0.30	0.50	0.20	0.48	0.38	0.32	0.27	0.21	0.17	0.14	0.11	0.09
	0.30		0.41	0.33	0.28	0.24	0.19	0.16	0.14	0.10	0.09
	0.20		0.36	0.30	0.26	0.22	0.18	0.15	0.13	0.10	0.08
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>											

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	0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.20	0.21
	0.30		0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	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	0.13	0.15	0.16	0.17	0.18	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	0.13	0.14	0.15	0.17	0.17	0.18	0.19	0.19
	0.30		0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.18
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.17
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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3728.1	3.6	3.6	0.19	0.19
1.0-2.0	3722.2	10.7	14.3	0.57	0.75
2.0-3.0	3707.9	17.7	32.0	0.94	1.69
3.0-4.0	3683.6	24.7	56.6	1.31	3.00
4.0-5.0	3647.4	31.4	88.0	1.66	4.66
5.0-6.0	3596.5	37.8	125.8	2.00	6.66
6.0-7.0	3532.3	43.8	169.7	2.32	8.98
7.0-8.0	3454.6	49.4	219.1	2.62	11.60
8.0-9.0	3362.6	54.5	273.6	2.89	14.49
9.0-10.0	3259.1	59.0	332.6	3.12	17.61
10.0-11.0	3146.8	62.9	395.5	3.33	20.94
11.0-12.0	3025.9	66.2	461.7	3.50	24.45
12.0-13.0	2897.6	68.8	530.4	3.64	28.09
13.0-14.0	2762.8	70.7	601.2	3.75	31.83
14.0-15.0	2620.4	71.9	673.1	3.81	35.64
15.0-16.0	2473.1	72.5	745.6	3.84	39.48
16.0-17.0	2320.7	72.3	817.9	3.83	43.31
17.0-18.0	2162.0	71.3	889.2	3.78	47.08
18.0-19.0	2000.6	69.6	958.8	3.69	50.77
19.0-20.0	1838.7	67.3	1026.1	3.56	54.33
20.0-21.0	1676.8	64.4	1090.5	3.41	57.74
21.0-22.0	1516.5	60.9	1151.4	3.23	60.97
22.0-23.0	1361.1	57.1	1208.5	3.02	63.99
23.0-24.0	1215.9	53.2	1261.7	2.82	66.81
24.0-25.0	1088.2	49.5	1311.2	2.62	69.43
25.0-26.0	982.5	46.4	1357.6	2.46	71.89
26.0-27.0	900.3	44.1	1401.6	2.33	74.22
27.0-28.0	839.9	42.5	1444.2	2.25	76.47
28.0-29.0	797.4	41.7	1485.9	2.21	78.68
29.0-30.0	766.7	41.4	1527.3	2.19	80.87
30.0-31.0	742.1	41.3	1568.6	2.19	83.06
31.0-32.0	718.2	41.2	1609.7	2.18	85.24
32.0-33.0	685.1	40.4	1650.1	2.14	87.37
33.0-34.0	637.8	38.6	1688.7	2.04	89.42
34.0-35.0	573.8	35.6	1724.3	1.89	91.31
35.0-36.0	492.4	31.4	1755.7	1.66	92.97

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	400.8	26.1	1781.8	1.38	94.35
37.0-38.0	307.4	20.5	1802.4	1.09	95.44
38.0-39.0	219.9	15.0	1817.4	0.79	96.23
39.0-40.0	148.3	10.3	1827.7	0.55	96.78
40.0-41.0	97.9	7.0	1834.7	0.37	97.15
41.0-42.0	65.8	4.8	1839.5	0.25	97.40
42.0-43.0	49.8	3.7	1843.2	0.20	97.60
43.0-44.0	43.5	3.3	1846.4	0.17	97.77
44.0-45.0	39.4	3.0	1849.5	0.16	97.93
45.0-46.0	36.3	2.8	1852.3	0.15	98.08
46.0-47.0	33.8	2.7	1855.0	0.14	98.22
47.0-48.0	31.6	2.6	1857.6	0.14	98.36
48.0-49.0	29.4	2.4	1860.0	0.13	98.49
49.0-50.0	27.3	2.3	1862.3	0.12	98.61
50.0-51.0	25.5	2.2	1864.4	0.11	98.72
51.0-52.0	23.9	2.1	1866.5	0.11	98.83
52.0-53.0	22.1	1.9	1868.4	0.10	98.93
53.0-54.0	20.4	1.8	1870.2	0.10	99.03
54.0-55.0	19.0	1.7	1871.9	0.09	99.12
55.0-56.0	17.5	1.6	1873.5	0.08	99.20
56.0-57.0	16.2	1.5	1875.0	0.08	99.28
57.0-58.0	14.9	1.4	1876.3	0.07	99.35
58.0-59.0	13.7	1.3	1877.6	0.07	99.42
59.0-60.0	12.5	1.2	1878.8	0.06	99.48
60.0-61.0	11.4	1.1	1879.9	0.06	99.54
61.0-62.0	10.3	1.0	1880.9	0.05	99.59
62.0-63.0	9.3	0.9	1881.8	0.05	99.64
63.0-64.0	8.4	0.8	1882.6	0.04	99.69
64.0-65.0	7.6	0.7	1883.3	0.04	99.73
65.0-66.0	6.8	0.7	1884.0	0.04	99.76
66.0-67.0	6.2	0.6	1884.6	0.03	99.79
67.0-68.0	5.6	0.6	1885.2	0.03	99.82
68.0-69.0	4.8	0.5	1885.7	0.03	99.85
69.0-70.0	4.4	0.4	1886.1	0.02	99.87
70.0-71.0	4.1	0.4	1886.6	0.02	99.90
71.0-72.0	3.8	0.4	1887.0	0.02	99.92

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 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	3741.0	3729.6	3725.8	3721.0	3741.0	3729.6	3725.8	3721.0	3741.0	
G1.0	3739.6	3736.3	3732.0	3722.9	3732.9	3716.3	3717.7	3717.2	3739.6	
G2.0	3739.6	3735.8	3736.7	3718.7	3719.1	3693.9	3693.9	3702.9	3739.6	
G3.0	3727.2	3732.9	3727.7	3702.5	3689.6	3660.1	3663.4	3681.5	3727.2	
G4.0	3712.5	3723.9	3712.0	3682.5	3649.6	3608.3	3615.4	3649.2	3712.5	
G5.0	3683.9	3699.1	3688.7	3649.2	3590.6	3541.6	3550.7	3601.6	3683.9	
G6.0	3642.5	3668.7	3649.6	3602.1	3516.4	3458.3	3468.8	3532.1	3642.5	
G7.0	3583.0	3623.0	3607.8	3536.9	3430.7	3364.6	3377.4	3454.5	3583.0	
G8.0	3507.4	3556.4	3539.7	3456.4	3334.6	3262.8	3276.1	3362.2	3507.4	
G9.0	3419.3	3473.6	3457.4	3363.2	3224.2	3144.7	3165.2	3258.5	3419.3	
G10.0	3322.7	3381.7	3359.4	3255.1	3108.6	3020.0	3043.4	3149.5	3322.7	
G11.0	3218.0	3279.9	3252.3	3140.4	2983.9	2889.6	2915.8	3028.1	3218.0	
G12.0	3100.9	3165.2	3136.6	3015.3	2849.2	2756.9	2783.0	2899.2	3100.9	
G13.0	2973.4	3043.4	3014.3	2883.0	2714.0	2617.9	2643.6	2765.9	2973.4	
G14.0	2838.7	2912.0	2882.5	2750.2	2570.3	2471.8	2493.2	2630.8	2838.7	
G15.0	2706.9	2766.9	2746.4	2611.3	2419.0	2312.4	2335.7	2478.9	2706.9	
G16.0	2568.9	2641.7	2609.3	2465.6	2261.0	2152.0	2173.4	2319.5	2568.9	
G17.0	2415.2	2495.6	2459.0	2309.5	2099.7	1989.7	2011.1	2159.1	2415.2	
G18.0	2252.4	2342.8	2302.4	2145.8	1937.4	1828.9	1849.3	1993.5	2252.4	
G19.0	2093.5	2186.3	2141.5	1985.0	1770.8	1666.1	1683.7	1829.8	2093.5	
G20.0	1931.7	2024.9	1980.7	1821.3	1607.6	1505.7	1523.8	1667.1	1931.7	
G21.0	1767.0	1863.6	1817.0	1656.1	1444.3	1344.4	1367.7	1505.3	1767.0	
G22.0	1604.7	1702.3	1657.1	1495.3	1289.2	1190.7	1210.2	1349.2	1604.7	
G23.0	1444.3	1540.5	1496.2	1340.1	1144.5	1052.2	1067.0	1193.6	1444.3	
G24.0	1285.4	1384.4	1337.8	1190.2	1024.6	944.7	955.1	1053.2	1285.4	
G25.0	1136.0	1233.5	1188.8	1060.8	928.5	868.5	875.7	943.7	1136.0	
G26.0	1007.5	1092.2	1055.1	954.2	863.8	818.5	824.7	868.5	1007.5	
G27.0	905.6	979.9	950.4	877.1	819.0	782.8	787.6	818.5	905.6	
G28.0	840.4	892.3	873.8	827.6	787.6	756.2	759.1	781.0	840.4	
G29.0	798.5	835.2	824.3	791.4	762.4	735.7	737.2	755.3	798.5	
G30.0	768.1	794.8	786.2	764.3	742.9	716.2	719.6	734.8	768.1	
G31.0	742.9	765.7	760.0	742.4	721.9	698.1	699.6	716.7	742.9	
G32.0	723.4	742.4	739.1	723.4	700.5	654.8	664.8	695.3	723.4	
G33.0	703.8	722.4	715.8	702.9	640.6	579.2	594.4	658.2	703.8	
G34.0	681.5	701.5	700.5	663.9	558.2	489.2	505.9	586.3	681.5	
G35.0	624.4	668.2	658.6	588.7	460.7	389.3	409.3	494.9	624.4	
G36.0	543.0	600.1	583.5	495.9	359.8	290.3	312.2	399.3	543.0	

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 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	448.8	512.1	493.5	396.4	258.9	197.0	217.0	304.6	448.8	
G38.0	350.3	413.1	395.5	301.2	168.9	118.5	134.7	208.4	350.3	
G39.0	251.8	312.2	296.0	205.6	96.1	65.7	74.7	125.6	251.8	
G40.0	164.2	216.1	204.2	123.7	57.1	52.8	57.1	70.0	164.2	
G41.0	95.2	133.7	122.8	68.5	50.5	46.6	50.5	54.3	95.2	
G42.0	59.0	74.7	68.5	52.8	43.3	40.5	43.3	48.1	59.0	
G43.0	52.8	56.2	54.3	46.6	38.5	37.6	38.5	41.9	52.8	
G44.0	45.7	49.0	47.6	40.5	35.2	35.7	36.6	38.5	45.7	
G45.0	40.5	42.3	41.4	37.6	34.3	34.3	34.7	36.6	40.5	
G46.0	38.1	38.5	38.1	35.7	31.9	30.9	31.9	34.7	38.1	
G47.0	36.6	36.2	35.7	33.3	29.5	29.0	29.5	31.9	36.6	
G48.0	34.3	34.7	34.3	30.5	26.6	26.6	28.1	29.5	34.3	
G49.0	30.9	31.9	30.5	28.5	25.7	25.7	25.7	27.6	30.9	
G50.0	28.5	29.5	29.5	26.6	23.8	22.8	23.8	25.7	28.5	
G51.0	27.1	27.6	27.1	24.8	22.8	22.8	22.4	23.8	27.1	
G52.0	25.7	25.7	25.7	22.4	20.9	20.0	20.9	22.8	25.7	
G53.0	23.3	23.8	22.8	20.9	19.0	19.0	19.5	20.9	23.3	
G54.0	21.4	22.8	21.4	19.0	18.1	17.6	18.1	19.0	21.4	
G55.0	20.0	20.5	20.0	18.6	16.2	16.2	17.1	17.6	20.0	
G56.0	18.6	19.5	19.0	15.7	15.2	15.2	15.2	16.2	18.6	
G57.0	17.1	18.1	17.1	15.2	13.8	13.8	13.8	15.2	17.1	
G58.0	16.2	16.2	15.2	14.3	12.9	11.9	13.3	13.8	16.2	
G59.0	14.8	15.2	14.8	12.9	11.4	11.4	11.4	12.9	14.8	
G60.0	13.8	13.8	12.9	11.4	10.9	10.0	10.9	11.4	13.8	
G61.0	12.4	12.4	12.4	10.5	9.0	10.0	9.0	10.9	12.4	
G62.0	10.9	11.4	11.4	10.0	8.1	8.1	8.1	10.0	10.9	
G63.0	10.0	10.9	10.0	9.0	7.6	7.6	7.6	8.1	10.0	
G64.0	9.0	9.0	9.0	7.6	7.1	7.1	7.1	7.6	9.0	
G65.0	8.1	8.6	8.1	6.7	6.2	6.2	6.2	7.1	8.1	
G66.0	7.6	7.6	7.6	6.2	5.2	5.2	5.2	6.2	7.6	
G67.0	7.1	7.1	7.1	6.2	4.8	4.3	5.2	6.2	7.1	
G68.0	6.2	6.2	6.2	5.2	3.8	4.3	4.3	5.2	6.2	
G69.0	5.2	5.2	5.2	4.3	3.8	3.8	3.8	4.3	5.2	
G70.0	4.3	5.2	5.2	3.8	3.8	3.8	3.8	4.3	4.3	
G71.0	4.3	4.3	4.8	3.8	3.3	3.8	3.8	3.8	4.3	
G72.0	3.8	3.8	3.8	3.8	3.3	2.9	3.8	3.8	3.8	
G73.0	3.8	3.8	3.8	2.9	3.3	3.3	3.3	3.8	3.8	

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: