

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

Test Time: 2018-08-25 09:20

Luminaire Property

Luminaire Category:

Lamp Description: CREE-3000K

Length (mm): 175

Voltage: 228.6 V

Power: 14.70 W

Number of Lamps: 1

Width (mm): 62

Current: 0.069 A

Power Factor: 0.925

Photometric Results

CIE Class: Direct

Measurement Flux: 1090.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 38.1, 37.8, 37.9, 38.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 15.8, 15.7, 15.8, 15.8

Luminaire Efficacy Rating (LER): 74.23

Max. Intensity: 8289.64 cd

S/MH(C0/C180): 0.28

Total Rated Lamp Lumens: 1090.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 8114.51 cd

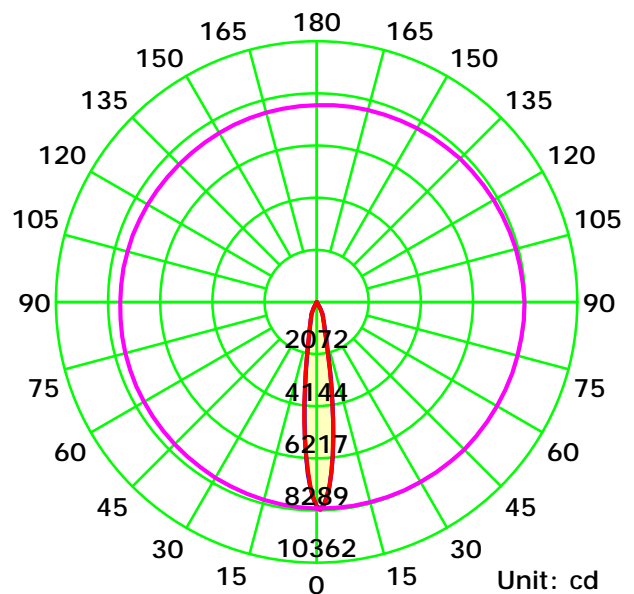
Pos of Max. Intensity: H45 V1

S/MH(C90/C270): 0.27

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

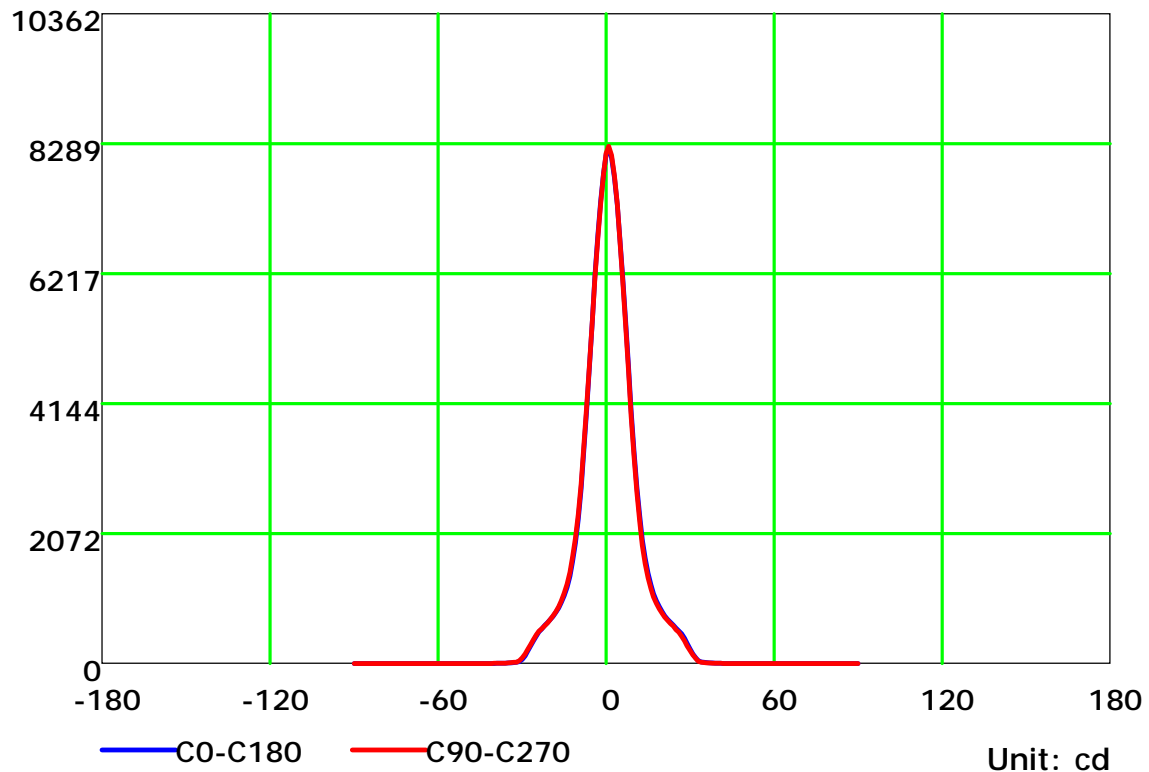
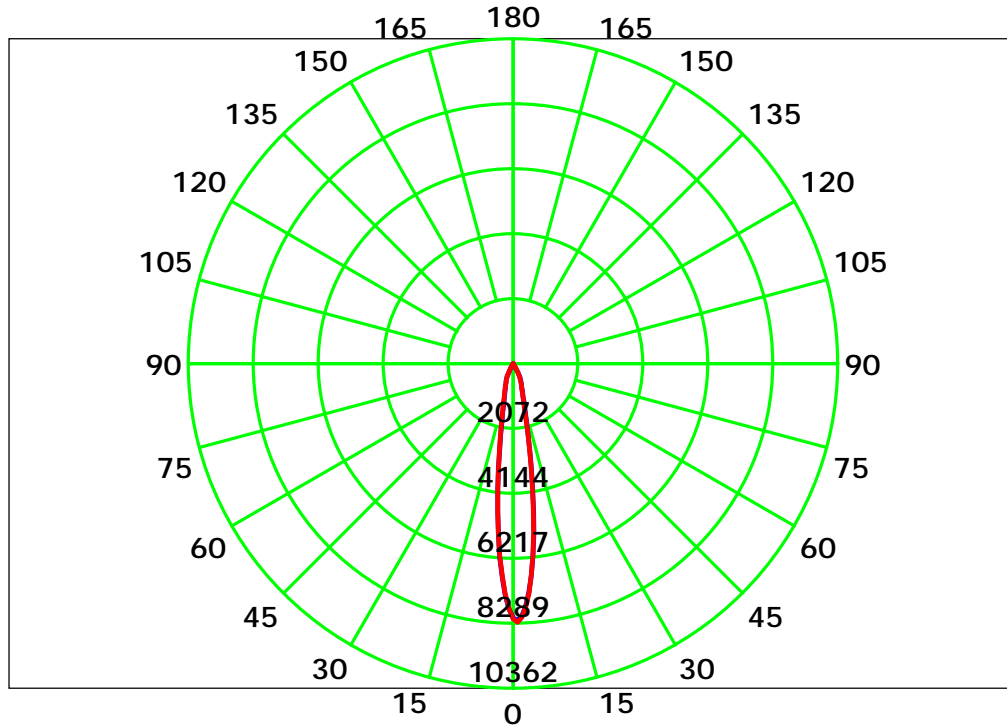
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

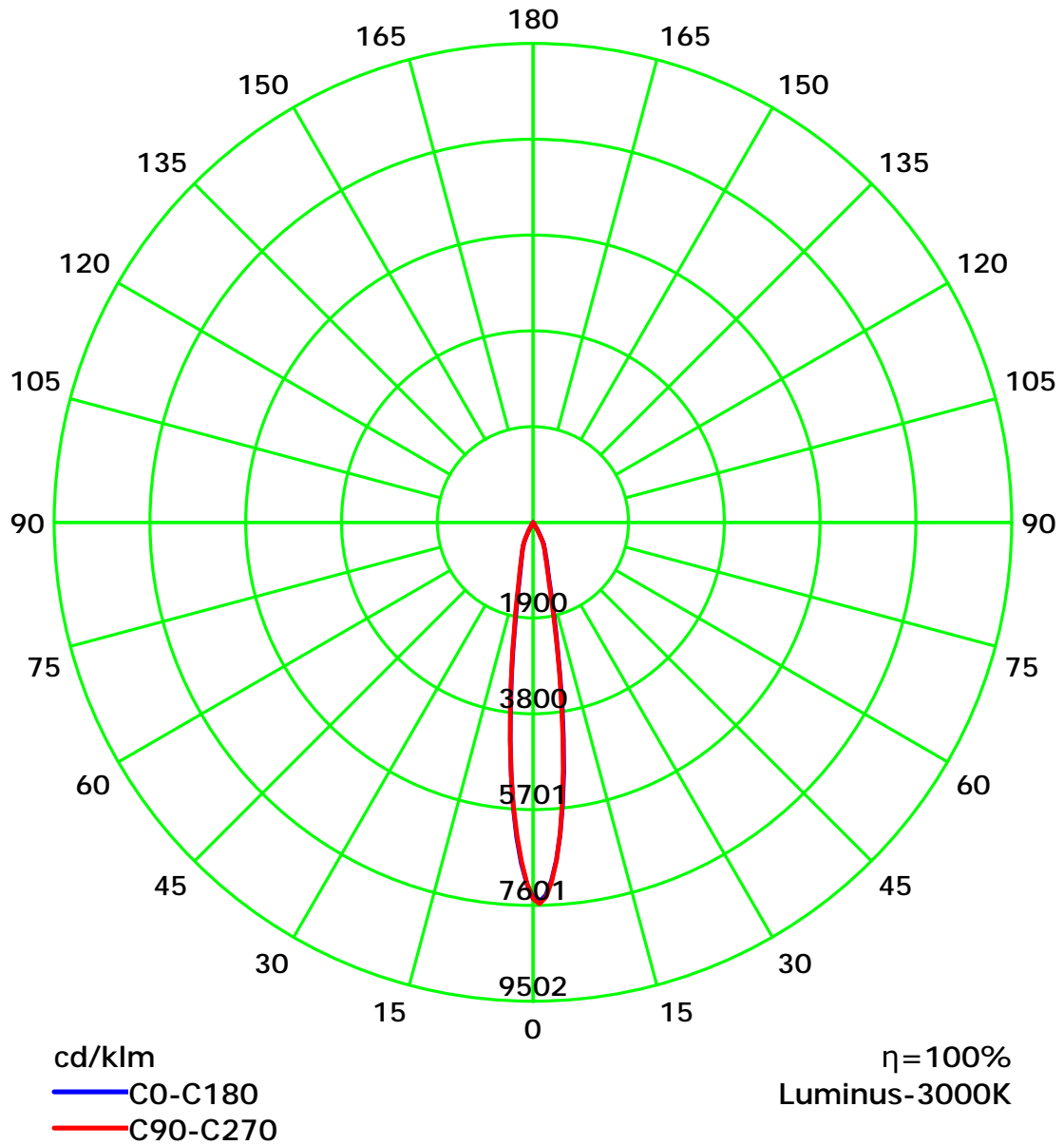
Luminous Intensity Distribution Curve



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:

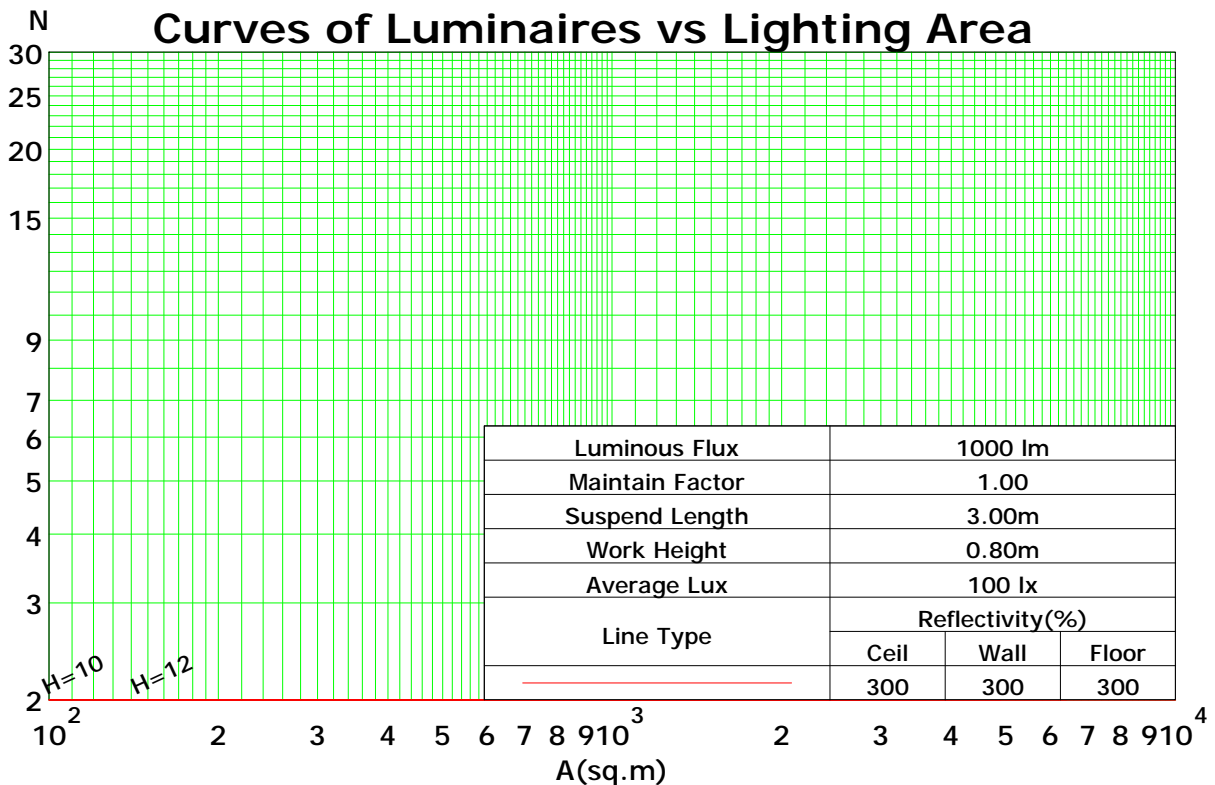
Coefficients Of Utilization - Zonal Cavity Method

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	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76

Spacing Criteria (0-180): 0.28

Spacing Criteria (90-270): 0.27

Spacing Criteria (Diagonal): 0.29



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

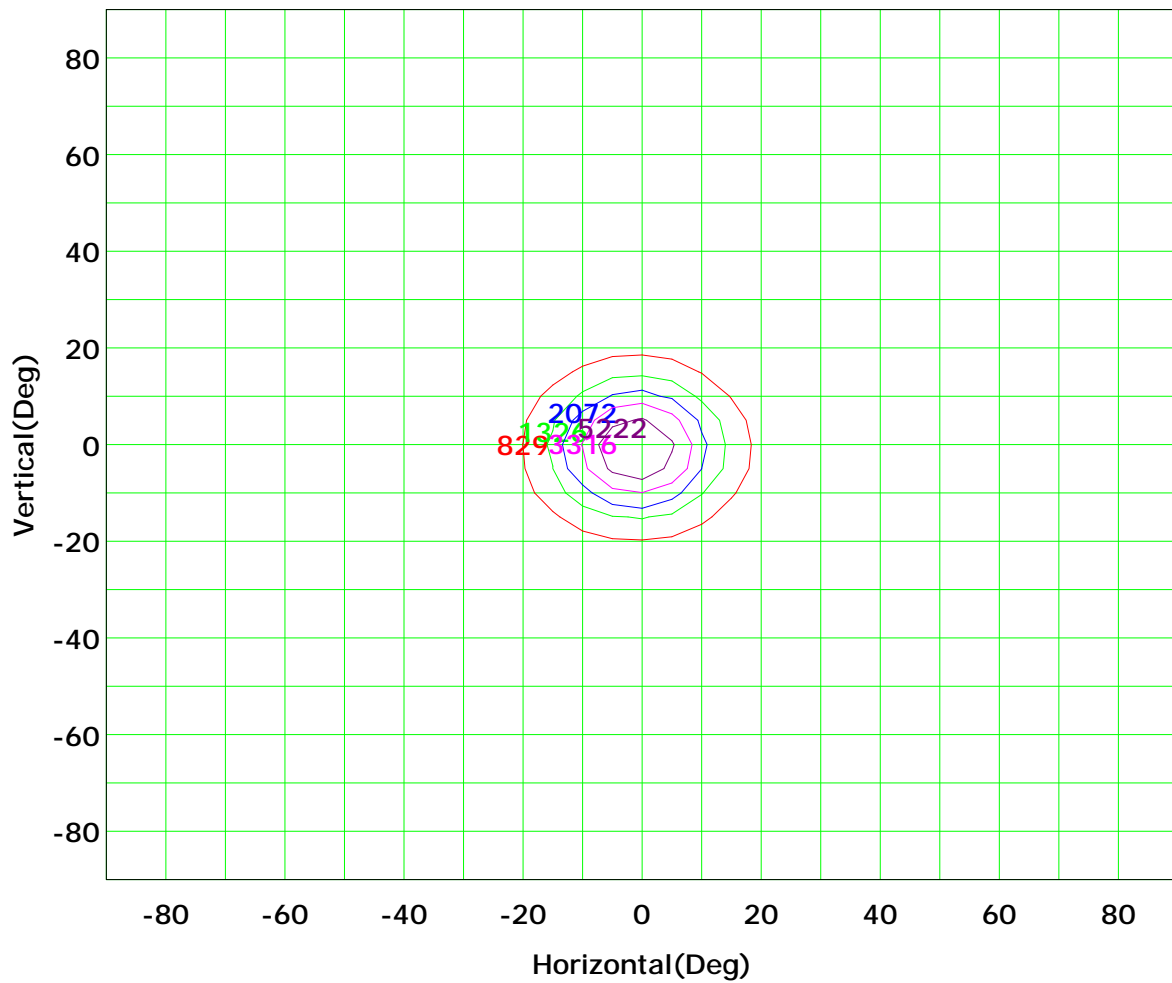
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

Isocandela (rectangle)



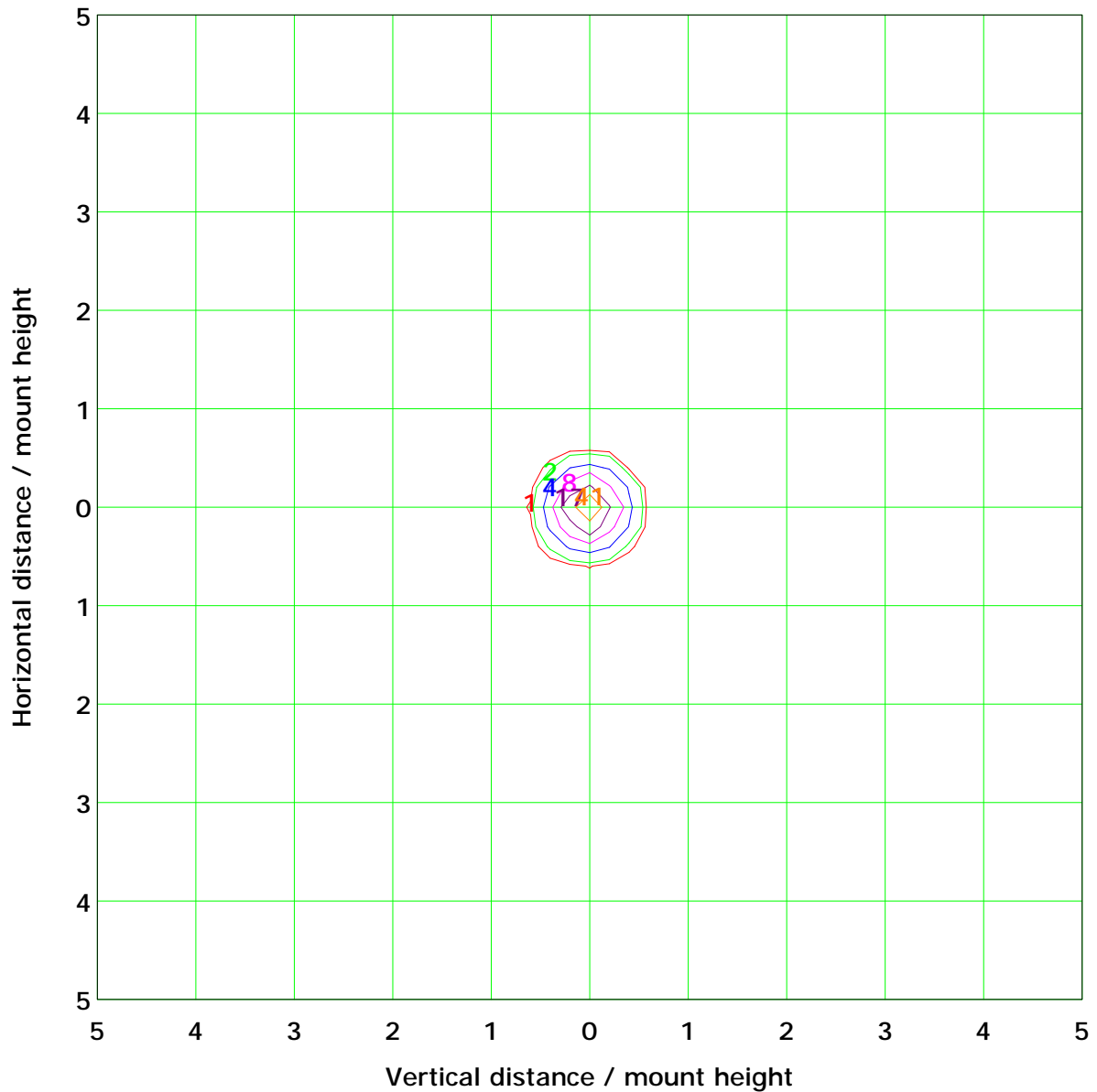
Imax (100%): 8290 cd

(10%): 829 cd	(16%): 1326 cd
(25%): 2072 cd	(40%): 3316 cd
(63%): 5222 cd	(100%): 8290 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%): 82.9 lx

(1%): 0.8 lx	(2%): 1.7 lx
(5%): 4.1 lx	(10%): 8.3 lx
(20%): 16.6 lx	(50%): 41.4 lx
(100%): 82.9 lx	

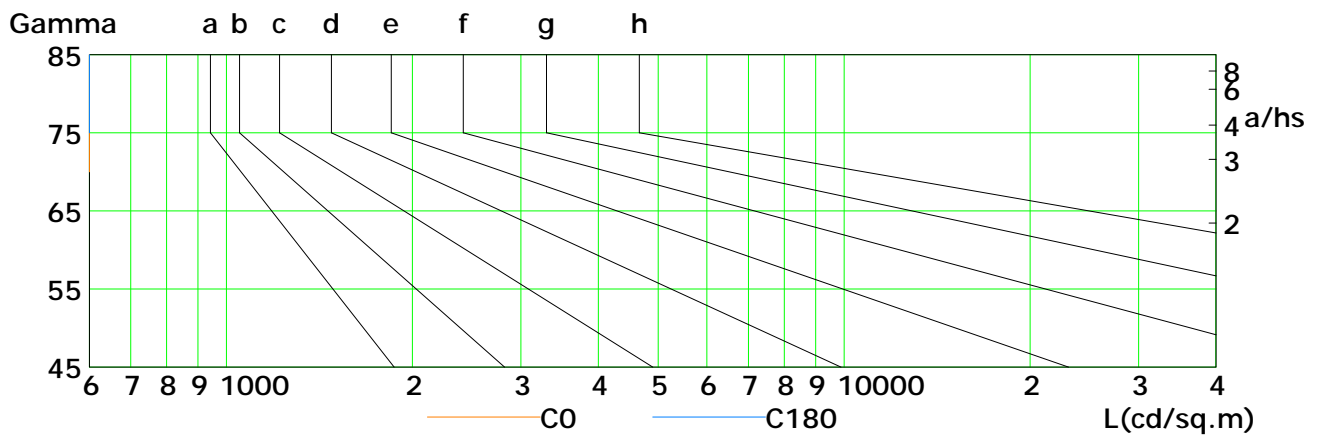
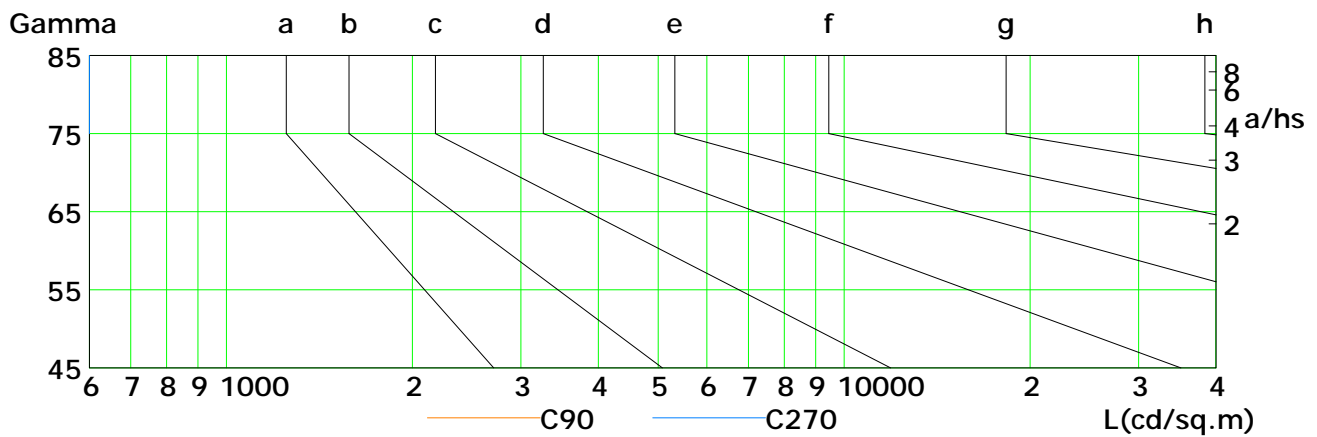
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	497	341	382	350	312	0	0	0	0
C90	373	341	305	439	312	129	0	255	0
C180	310	341	460	439	105	129	0	0	0
C270	373	341	460	439	207	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

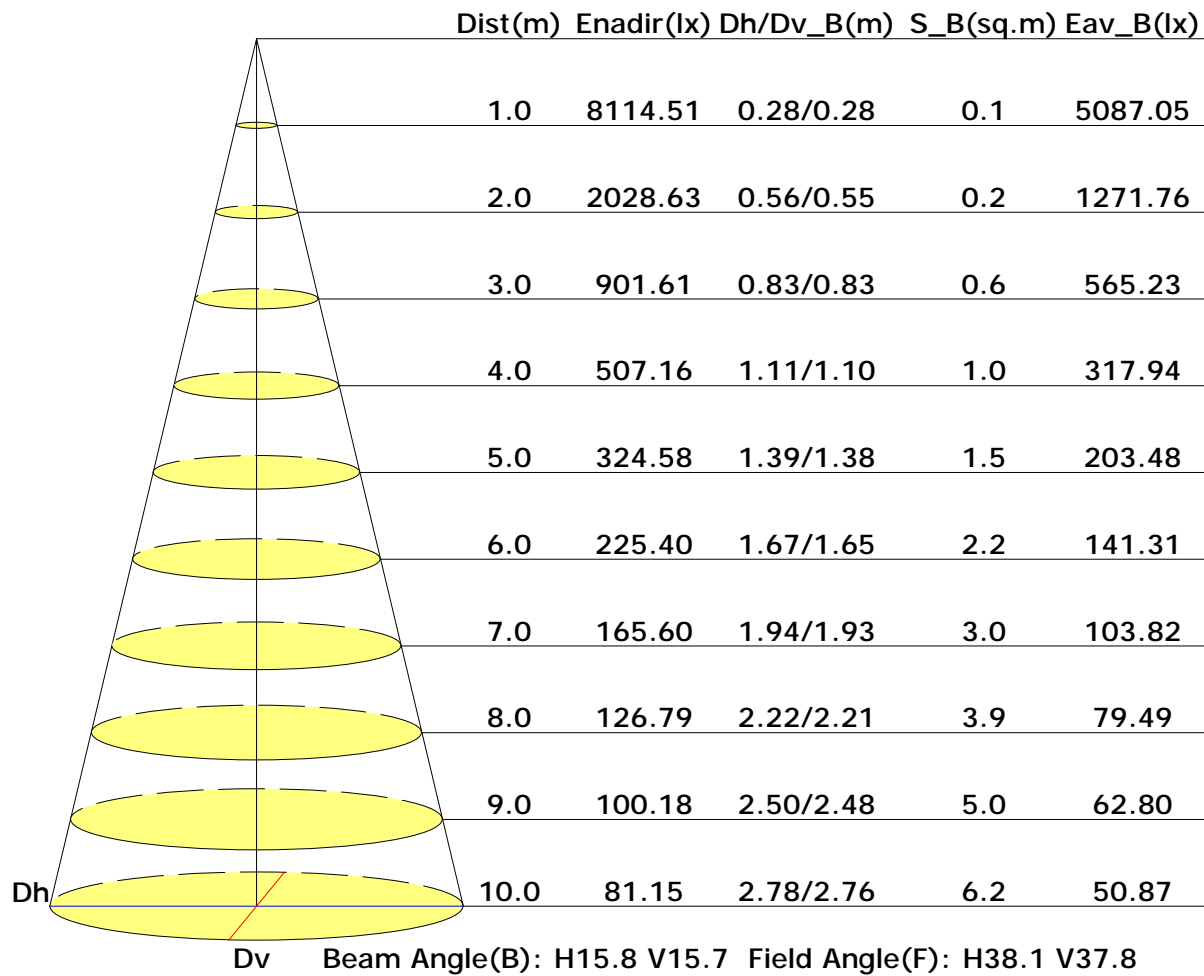
Test Device: CHL-6E

Distance: 4.000 m

Humidity:

Inspector:

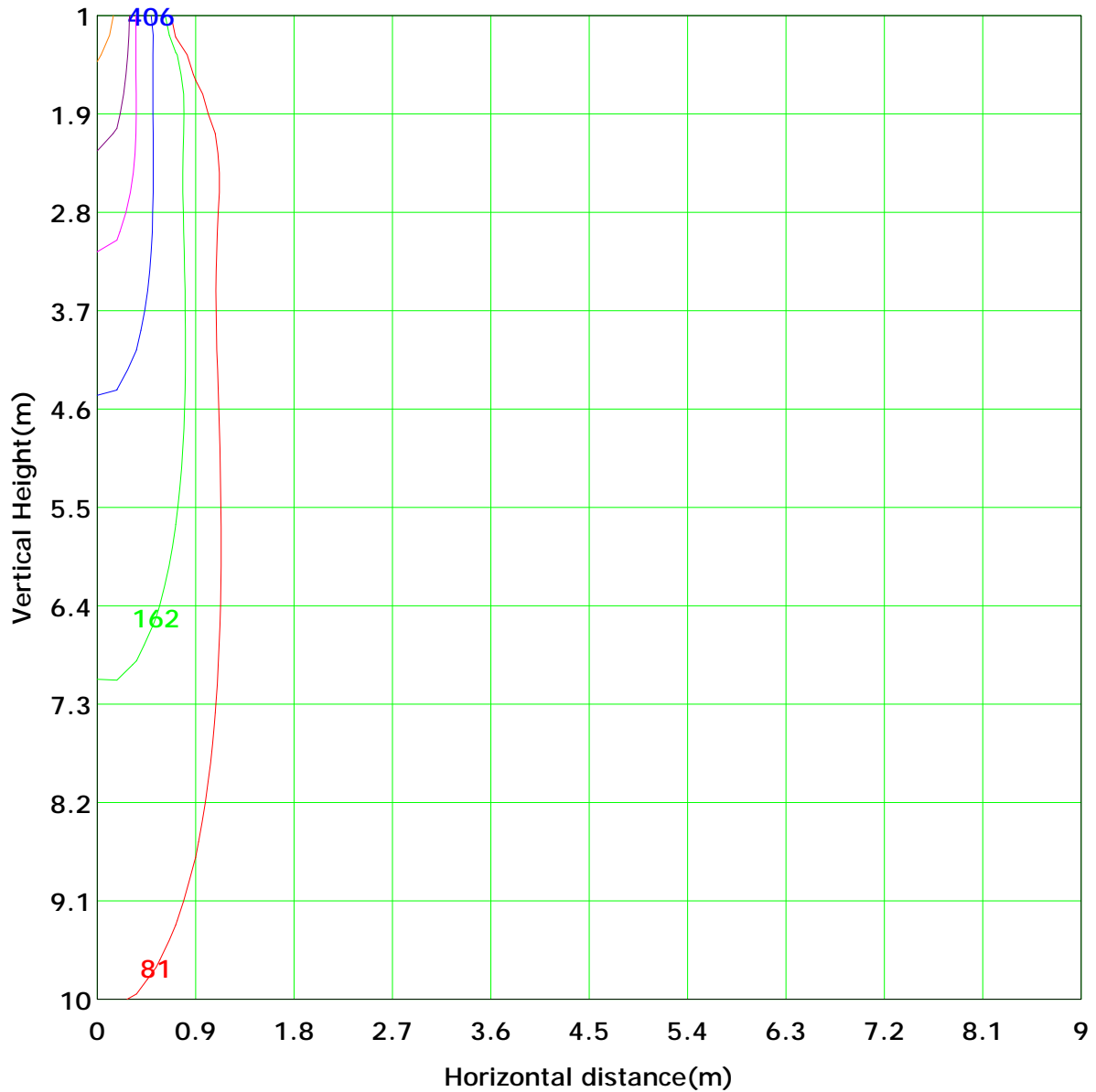
Illuminance at a Distance



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



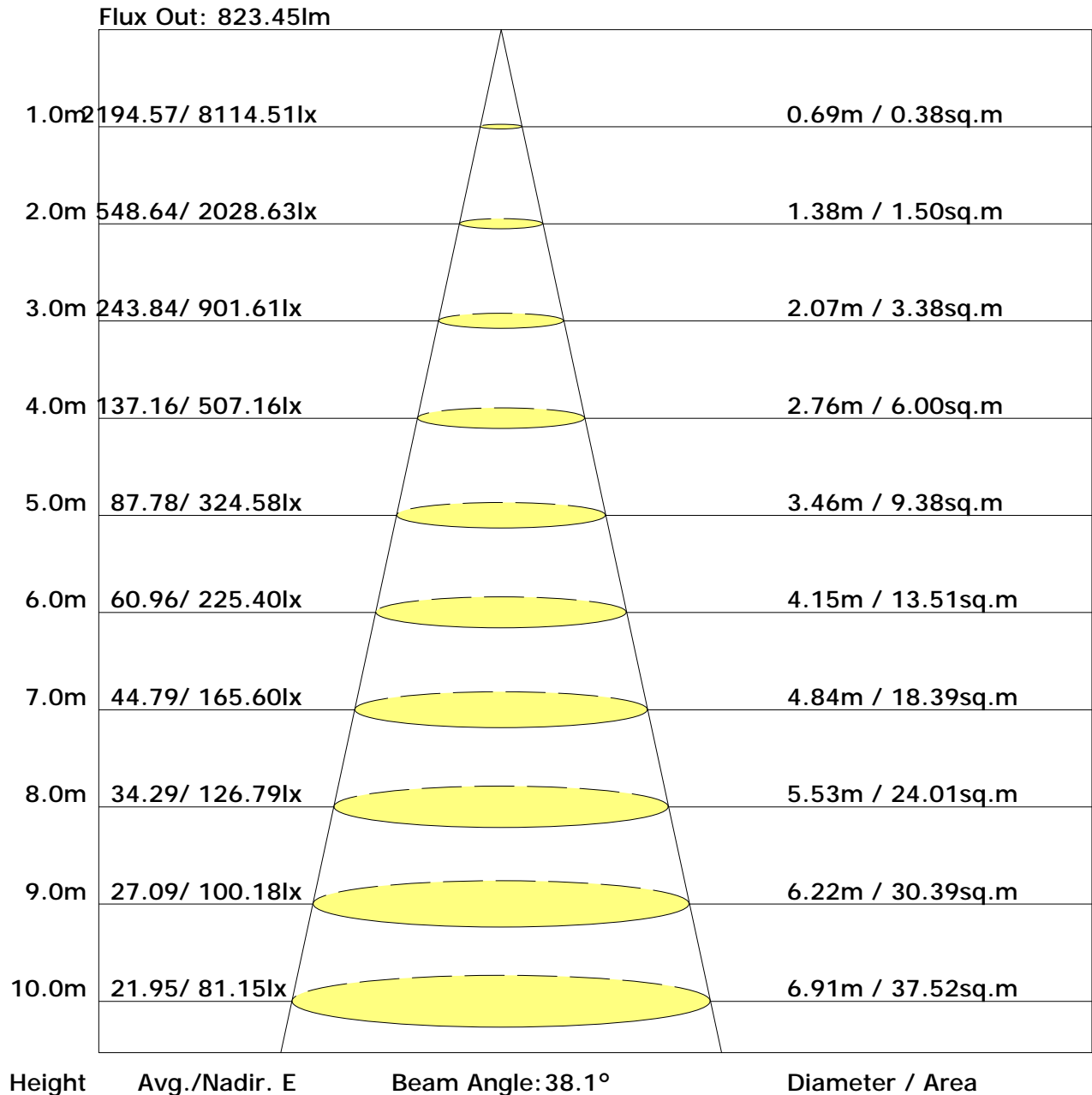
Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 8114.5 lx

(1%): 81.1 lx	(2%): 162.3 lx
(5%): 405.7 lx	(10%): 811.5 lx
(20%): 1622.9 lx	(50%): 4057.3 lx
(100%): 8114.5 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:

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	1.2	1.8	1.5	2.0	2.2	-0.5	0.1	-0.2	0.3	0.5
3H	1.2	1.7	1.5	2.0	2.2	-0.5	0.0	-0.2	0.2	0.5
4H	1.1	1.6	1.4	1.9	2.1	-0.6	-0.1	-0.3	0.2	0.4
6H	1.1	1.5	1.4	1.8	2.1	-0.6	-0.2	-0.3	0.1	0.4
8H	1.0	1.5	1.4	1.8	2.1	-0.7	-0.2	-0.3	0.1	0.4
12H	1.0	1.4	1.3	1.7	2.0	-0.7	-0.3	-0.4	0.0	0.3
X=4H Y=2H	1.1	1.6	1.4	1.9	2.1	-0.5	-0.0	-0.2	0.2	0.5
3H	1.1	1.5	1.5	1.8	2.1	-0.5	-0.1	-0.2	0.2	0.5
4H	1.0	1.4	1.4	1.7	2.1	-0.6	-0.2	-0.3	0.1	0.4
6H	0.9	1.3	1.3	1.7	2.0	-0.7	-0.4	-0.3	0.0	0.4
8H	0.9	1.2	1.3	1.6	2.0	-0.7	-0.4	-0.3	-0.0	0.4
12H	0.8	1.1	1.3	1.5	2.0	-0.8	-0.5	-0.4	-0.1	0.3
X=8H Y=4H	0.9	1.2	1.3	1.6	2.0	-0.8	-0.4	-0.3	-0.1	0.3
6H	0.8	1.1	1.3	1.5	1.9	-0.8	-0.6	-0.4	-0.2	0.3
8H	0.7	1.0	1.2	1.4	1.9	-0.9	-0.7	-0.4	-0.2	0.3
12H	0.7	0.9	1.2	1.4	1.9	-0.9	-0.7	-0.5	-0.3	0.2
X=12H Y=4H	0.8	1.1	1.3	1.5	2.0	-0.8	-0.5	-0.4	-0.1	0.3
6H	0.7	1.0	1.2	1.4	1.9	-0.9	-0.7	-0.4	-0.2	0.3
8H	0.7	0.9	1.2	1.4	1.9	-0.9	-0.7	-0.5	-0.3	0.2
Variations with the observer position at spacings:										
S=1.0H	+6.5/-6.9					+4.2/-3.1				
S=1.5H	+9.2/-7.4					+6.6/-4.8				
S=2.0H	+11.2/-10.4					+8.6/-8.3				

Calculate in accordance with CIE Pub.117. The table is revised with 1090lm ($8\log(F/F_0) = 0.3$).

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	1.03	1.07	1.10	1.12	1.15	1.17	1.19	1.20	1.21
	0.30		0.99	1.04	1.07	1.09	1.12	1.15	1.16	1.18	1.20
	0.20		0.96	1.01	1.04	1.07	1.10	1.12	1.14	1.17	1.18
0.50	0.50	0.20	1.01	1.05	1.08	1.10	1.12	1.14	1.15	1.16	1.17
	0.30		0.98	1.02	1.05	1.07	1.10	1.12	1.13	1.15	1.16
	0.20		0.96	1.00	1.03	1.05	1.08	1.10	1.11	1.13	1.15
0.30	0.50	0.20	1.00	1.04	1.06	1.08	1.10	1.11	1.12	1.12	1.13
	0.30		0.97	1.01	1.04	1.05	1.08	1.09	1.10	1.11	1.12
	0.20		0.95	0.99	1.02	1.04	1.06	1.08	1.09	1.10	1.11
0.00	0.00	0.00	0.94	0.97	1.00	1.01	1.03	1.04	1.05	1.06	1.06
<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	0.46	0.38	0.32	0.28	0.22	0.18	0.16	0.12	0.10	
	0.30		0.38	0.32	0.28	0.24	0.20	0.17	0.14	0.11	0.09	
	0.20		0.33	0.28	0.25	0.22	0.18	0.15	0.13	0.11	0.09	
0.50	0.50	0.20	0.43	0.35	0.29	0.25	0.20	0.21	0.14	0.11	0.09	
	0.30		0.37	0.30	0.26	0.23	0.18	0.15	0.13	0.10	0.08	
	0.20		0.32	0.27	0.23	0.21	0.17	0.14	0.12	0.10	0.08	
0.30	0.50	0.20	0.41	0.33	0.27	0.23	0.18	0.15	0.13	0.10	0.08	
	0.30		0.35	0.29	0.24	0.21	0.17	0.14	0.12	0.09	0.08	
	0.20		0.31	0.26	0.22	0.19	0.16	0.13	0.11	0.09	0.07	
0.00	0.00	0.00	0.15	0.11	0.09	0.08	0.06	0.05	0.04	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 = 0.50								
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	0.19	0.20	0.20	0.22	0.22
	0.30		0.09	0.11	0.13	0.14	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
0.50	0.50	0.20	0.12	0.14	0.15	0.16	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	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.12	0.13	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	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
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	8071.5	7.7	7.7	0.71	0.71
1.0-2.0	7873.7	22.6	30.3	2.07	2.78
2.0-3.0	7503.9	35.9	66.2	3.29	6.07
3.0-4.0	7013.4	47.0	113.2	4.31	10.38
4.0-5.0	6430.6	55.3	168.5	5.07	15.45
5.0-6.0	5778.6	60.7	229.2	5.57	21.02
6.0-7.0	5091.8	63.2	292.4	5.80	26.82
7.0-8.0	4399.8	63.0	355.4	5.78	32.59
8.0-9.0	3735.9	60.6	416.0	5.55	38.15
9.0-10.0	3131.2	56.7	472.6	5.20	43.34
10.0-11.0	2607.6	52.1	524.8	4.78	48.12
11.0-12.0	2175.1	47.6	572.3	4.36	52.48
12.0-13.0	1830.1	43.4	615.8	3.98	56.47
13.0-14.0	1558.8	39.9	655.7	3.66	60.13
14.0-15.0	1346.9	37.0	692.6	3.39	63.52
15.0-16.0	1182.5	34.7	727.3	3.18	66.70
16.0-17.0	1053.3	32.8	760.1	3.01	69.70
17.0-18.0	950.0	31.3	791.4	2.87	72.58
18.0-19.0	865.1	30.1	821.5	2.76	75.34
19.0-20.0	793.4	29.0	850.6	2.66	78.00
20.0-21.0	731.6	28.1	878.7	2.58	80.58
21.0-22.0	677.8	27.2	905.9	2.50	83.08
22.0-23.0	628.4	26.4	932.3	2.42	85.49
23.0-24.0	580.9	25.4	957.7	2.33	87.82
24.0-25.0	531.1	24.2	981.8	2.21	90.04
25.0-26.0	474.6	22.4	1004.2	2.05	92.09
26.0-27.0	409.7	20.0	1024.3	1.84	93.93
27.0-28.0	336.0	17.0	1041.3	1.56	95.49
28.0-29.0	259.7	13.6	1054.9	1.25	96.74
29.0-30.0	187.2	10.1	1065.0	0.93	97.66
30.0-31.0	123.8	6.9	1071.9	0.63	98.30
31.0-32.0	75.1	4.3	1076.2	0.39	98.69
32.0-33.0	43.5	2.6	1078.8	0.23	98.93
33.0-34.0	25.8	1.6	1080.3	0.14	99.07
34.0-35.0	18.0	1.1	1081.4	0.10	99.17
35.0-36.0	14.5	0.9	1082.4	0.08	99.26

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	11.5	0.8	1083.1	0.07	99.32
37.0-38.0	9.2	0.6	1083.7	0.06	99.38
38.0-39.0	7.5	0.5	1084.2	0.05	99.43
39.0-40.0	6.2	0.4	1084.7	0.04	99.47
40.0-41.0	5.1	0.4	1085.0	0.03	99.50
41.0-42.0	4.3	0.3	1085.3	0.03	99.53
42.0-43.0	3.9	0.3	1085.6	0.03	99.56
43.0-44.0	3.5	0.3	1085.9	0.02	99.58
44.0-45.0	3.1	0.2	1086.1	0.02	99.60
45.0-46.0	2.9	0.2	1086.4	0.02	99.62
46.0-47.0	2.7	0.2	1086.6	0.02	99.64
47.0-48.0	2.4	0.2	1086.8	0.02	99.66
48.0-49.0	2.3	0.2	1086.9	0.02	99.68
49.0-50.0	2.3	0.2	1087.1	0.02	99.69
50.0-51.0	2.3	0.2	1087.3	0.02	99.71
51.0-52.0	2.2	0.2	1087.5	0.02	99.73
52.0-53.0	2.2	0.2	1087.7	0.02	99.75
53.0-54.0	2.3	0.2	1087.9	0.02	99.76
54.0-55.0	2.3	0.2	1088.1	0.02	99.78
55.0-56.0	2.4	0.2	1088.3	0.02	99.80
56.0-57.0	2.4	0.2	1088.5	0.02	99.82
57.0-58.0	2.3	0.2	1088.8	0.02	99.84
58.0-59.0	2.3	0.2	1089.0	0.02	99.86
59.0-60.0	2.3	0.2	1089.2	0.02	99.88
60.0-61.0	2.2	0.2	1089.4	0.02	99.90
61.0-62.0	2.0	0.2	1089.6	0.02	99.92
62.0-63.0	1.7	0.2	1089.8	0.02	99.93
63.0-64.0	1.6	0.2	1089.9	0.01	99.95
64.0-65.0	1.3	0.1	1090.0	0.01	99.96
65.0-66.0	1.0	0.1	1090.1	0.01	99.97
66.0-67.0	0.7	0.1	1090.2	0.01	99.98
67.0-68.0	0.6	0.1	1090.3	0.01	99.98
68.0-69.0	0.6	0.1	1090.3	0.01	99.99
69.0-70.0	0.4	0.0	1090.4	0.00	99.99
70.0-71.0	0.3	0.0	1090.4	0.00	99.99
71.0-72.0	0.3	0.0	1090.4	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	8114.5	8103.6	8140.7	8127.4	8114.5	8103.6	8140.7	8127.4	8114.5	
G1.0	8207.8	8289.6	8253.5	8055.5	7824.7	7735.7	7815.6	7989.8	8207.8	
G2.0	8068.4	8230.2	8110.2	7780.0	7379.3	7254.6	7336.0	7647.7	8068.4	
G3.0	7752.4	7952.2	7781.9	7345.9	6824.4	6646.4	6776.8	7177.0	7752.4	
G4.0	7314.5	7537.3	7329.8	6802.5	6181.9	5991.5	6151.9	6647.8	7314.5	
G5.0	6776.3	7009.5	6751.5	6160.5	5468.0	5268.2	5474.2	6023.9	6776.3	
G6.0	6151.4	6391.8	6099.1	5463.3	4742.8	4552.9	4772.8	5351.5	6151.4	
G7.0	5458.1	5711.2	5393.3	4739.9	4030.9	3863.8	4091.3	4655.2	5458.1	
G8.0	4740.9	4997.4	4666.6	4018.9	3374.6	3230.9	3446.4	3976.6	4740.9	
G9.0	4045.6	4267.4	3952.8	3375.1	2795.4	2671.2	2871.1	3343.6	4045.6	
G10.0	3396.5	3596.4	3313.2	2789.7	2304.3	2213.4	2383.3	2780.2	3396.5	
G11.0	2822.1	2992.9	2739.3	2292.4	1921.7	1859.3	2000.7	2317.1	2822.1	
G12.0	2353.3	2478.9	2261.5	1902.2	1625.7	1580.9	1698.5	1954.5	2353.3	
G13.0	1977.8	2069.2	1887.9	1607.6	1397.7	1363.9	1457.2	1664.7	1977.8	
G14.0	1679.9	1742.7	1596.2	1377.7	1219.3	1196.4	1266.8	1436.3	1679.9	
G15.0	1441.5	1490.0	1371.1	1204.5	1083.6	1064.1	1123.1	1257.3	1441.5	
G16.0	1260.2	1293.5	1199.3	1071.7	977.5	959.9	1005.6	1116.4	1260.2	
G17.0	1116.0	1143.6	1065.1	967.5	891.3	874.2	909.9	1001.8	1116.0	
G18.0	1003.2	1025.1	959.9	883.3	818.5	801.4	830.0	909.0	1003.2	
G19.0	911.3	928.5	876.1	810.9	754.3	739.1	761.9	829.5	911.3	
G20.0	831.9	845.7	806.2	746.7	702.4	685.8	702.9	761.9	831.9	
G21.0	762.9	777.1	742.9	696.2	653.4	634.4	651.0	704.8	762.9	
G22.0	708.6	720.0	692.4	647.2	608.2	586.3	606.3	653.4	708.6	
G23.0	659.6	669.6	641.5	604.4	553.9	538.7	557.3	607.2	659.6	
G24.0	613.0	623.4	599.2	550.6	508.3	492.5	515.9	558.7	613.0	
G25.0	566.8	576.3	544.4	503.5	443.5	423.1	461.6	516.8	566.8	
G26.0	525.4	528.7	501.6	441.6	366.9	341.2	385.5	466.9	525.4	
G27.0	475.9	482.6	438.8	365.0	283.2	258.9	302.2	390.2	475.9	
G28.0	405.9	412.6	363.1	282.7	200.4	184.6	224.6	306.0	405.9	
G29.0	325.0	331.2	282.7	208.0	126.6	118.0	156.1	227.5	325.0	
G30.0	237.9	251.3	209.4	138.0	71.4	62.3	93.3	156.6	237.9	
G31.0	158.0	177.5	142.3	77.1	35.7	30.9	46.2	92.3	158.0	
G32.0	94.2	111.4	83.3	35.7	23.8	22.8	24.8	45.7	94.2	
G33.0	49.0	57.6	39.0	22.8	20.0	19.0	20.9	25.7	49.0	
G34.0	25.7	26.6	21.4	18.6	15.2	15.2	16.2	20.0	25.7	
G35.0	20.9	20.5	18.6	14.8	12.4	11.9	13.3	16.2	20.9	
G36.0	16.2	17.1	14.8	11.4	10.0	10.0	10.0	13.3	16.2	

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:

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	13.3	12.9	11.4	9.0	7.6	8.6	8.1	10.9	13.3	
G38.0	10.5	10.5	9.0	7.1	7.1	6.7	6.7	7.6	10.5	
G39.0	8.1	8.6	7.1	5.7	5.2	6.2	6.2	7.1	8.1	
G40.0	7.1	7.1	6.2	4.3	4.3	5.2	5.2	5.2	7.1	
G41.0	5.2	5.2	5.2	3.8	3.8	4.8	4.3	4.3	5.2	
G42.0	4.3	4.3	4.3	3.8	3.8	3.8	3.8	3.8	4.3	
G43.0	4.3	3.8	3.8	3.8	2.9	3.8	3.8	3.8	4.3	
G44.0	3.8	3.8	3.8	3.3	1.9	3.3	2.9	2.9	3.8	
G45.0	3.8	3.8	2.9	2.9	2.4	2.9	2.9	2.9	3.8	
G46.0	2.9	3.3	3.3	1.9	2.4	2.9	3.3	2.4	2.9	
G47.0	2.4	2.4	3.3	2.4	1.9	3.3	2.9	1.9	2.4	
G48.0	2.4	1.9	1.9	2.4	1.9	3.3	1.9	1.9	2.4	
G49.0	1.9	2.4	2.4	1.9	2.4	1.9	3.3	2.4	1.9	
G50.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.9	2.4	
G51.0	2.4	2.4	1.9	2.4	1.9	2.4	2.9	1.9	2.4	
G52.0	2.4	1.9	2.4	1.9	1.9	1.9	1.9	2.4	2.4	
G53.0	1.9	2.4	2.4	2.4	2.4	1.9	2.4	2.4	1.9	
G54.0	2.4	2.4	1.9	2.4	2.4	2.4	2.4	1.9	2.4	
G55.0	2.4	1.9	1.9	1.9	2.9	3.3	2.9	2.4	2.4	
G56.0	1.9	2.4	2.4	1.9	2.4	2.9	3.3	2.4	1.9	
G57.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.9	2.4	
G58.0	2.4	2.4	1.9	2.4	2.4	2.4	1.9	2.4	2.4	
G59.0	2.4	2.4	2.4	1.9	2.4	1.9	2.4	2.4	2.4	
G60.0	1.9	2.4	2.4	2.4	2.4	1.9	2.4	2.4	1.9	
G61.0	2.4	2.4	1.9	2.4	2.4	2.4	1.9	1.9	2.4	
G62.0	2.4	1.9	2.4	0.9	1.4	1.4	0.9	2.4	2.4	
G63.0	1.9	2.4	2.4	1.4	0.9	1.4	1.4	1.4	1.9	
G64.0	1.4	2.4	1.4	1.4	1.4	1.4	1.4	0.9	1.4	
G65.0	1.4	1.4	1.4	1.4	0.5	0.5	0.9	1.4	1.4	
G66.0	1.4	0.0	1.4	0.5	0.5	0.9	1.4	0.5	1.4	
G67.0	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.9	
G68.0	1.4	0.5	0.5	0.5	0.5	0.5	0.5	1.4	1.4	
G69.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
G70.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0	
G71.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.5	0.5	
G72.0	0.5	0.5	0.5	0.0	0.5	0.0	0.0	0.5	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: