

Report No.: LE-08TR HUGO 4000K 35W 24D

Test Time: 2019-01-27 02:32

Luminaire Property

Luminaire Category:

Lamp Description: CREE 4000 RA90	Number of Lamps: 1
Lumens per Lamp: 3629	Width (mm): 102
Height (mm): 225	Voltage: 2.2 V
Current: 0.000 A	Power: 0.00 W
Power Factor: 0.000	

Photometric Results

CIE Class: Direct

Measurement Flux: 3277.6 lm

Downward Ratio: 90.32%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 45.8, 45.9, 45.8, 45.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 21.4, 21.4, 21.4, 21.4

Luminaire Efficacy Rating (LER): 3277.66

Max. Intensity: 15444.89 cd

S/MH(C0/C180): 0.37

Total Rated Lamp Lumens: 3629.0 lm

Efficiency: 90.32%

Upward Ratio: 0.00%

Central Intensity: 15248.66 cd

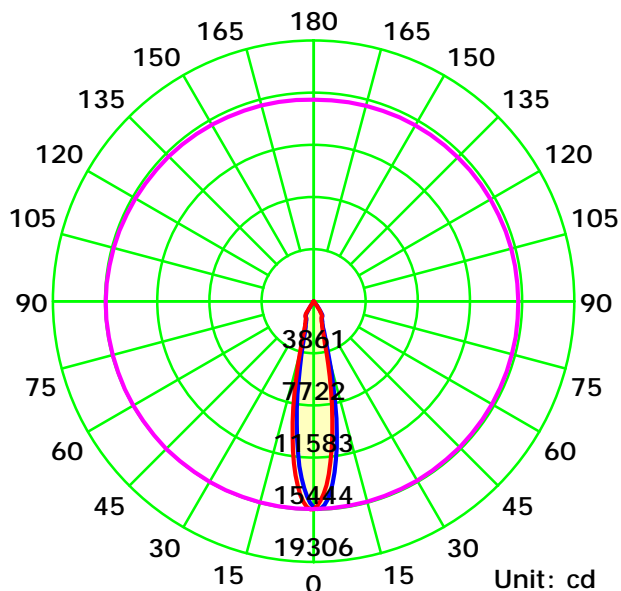
Pos of Max. Intensity: H315 V1

S/MH(C90/C270): 0.37

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

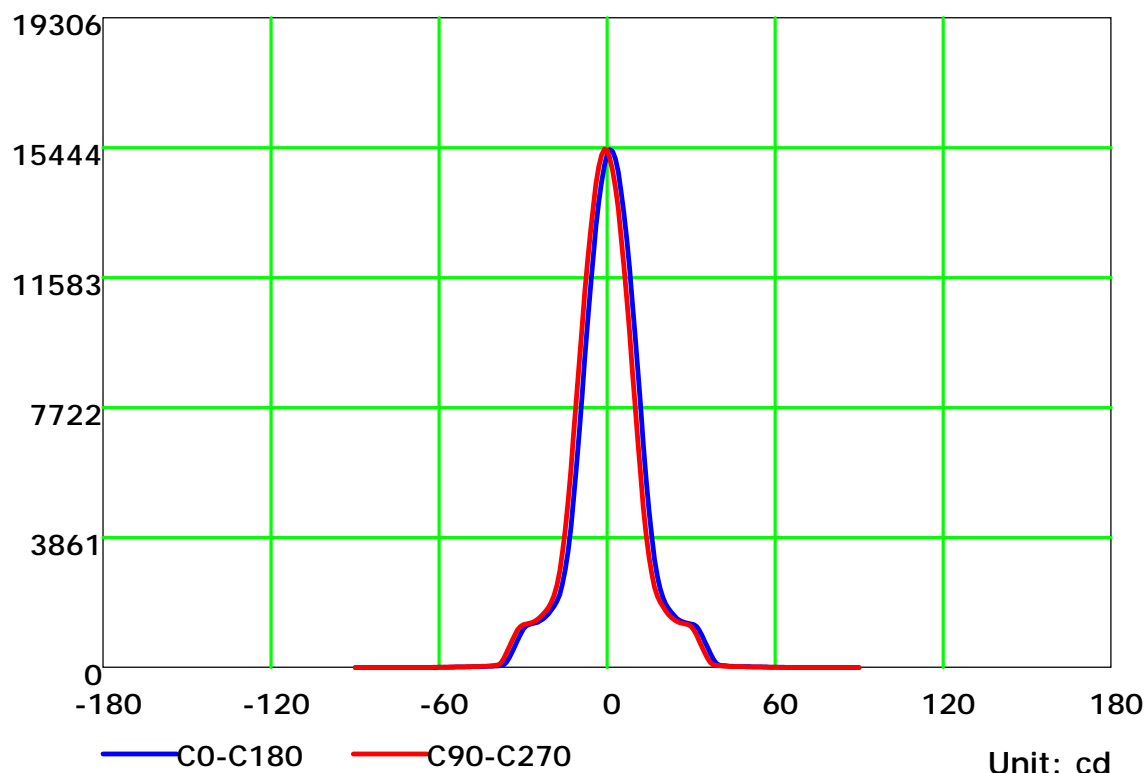
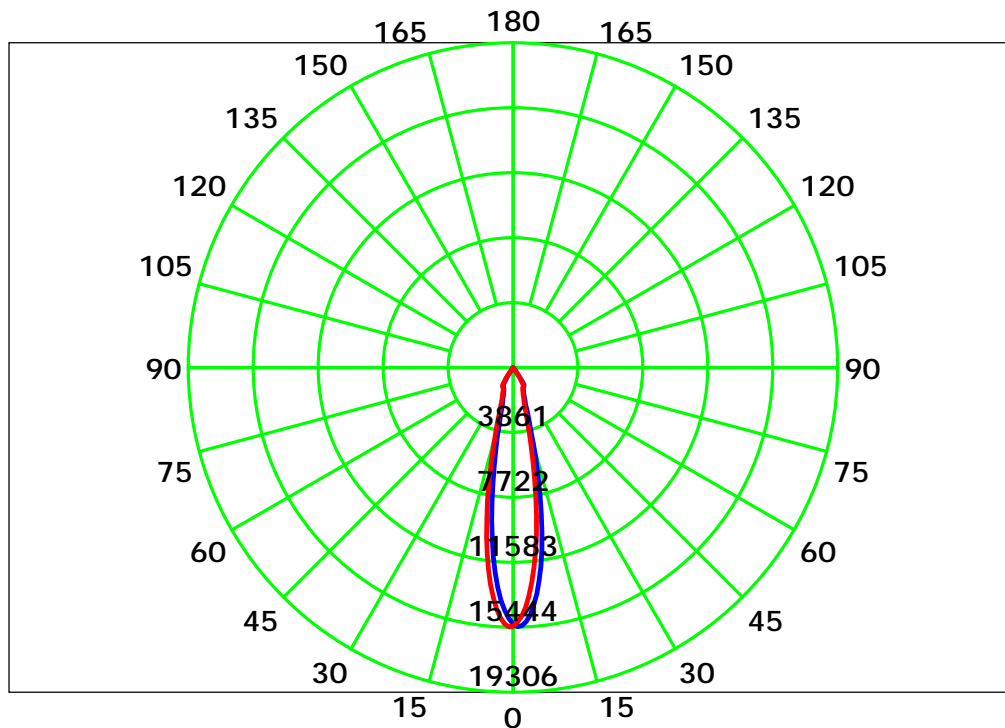
Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

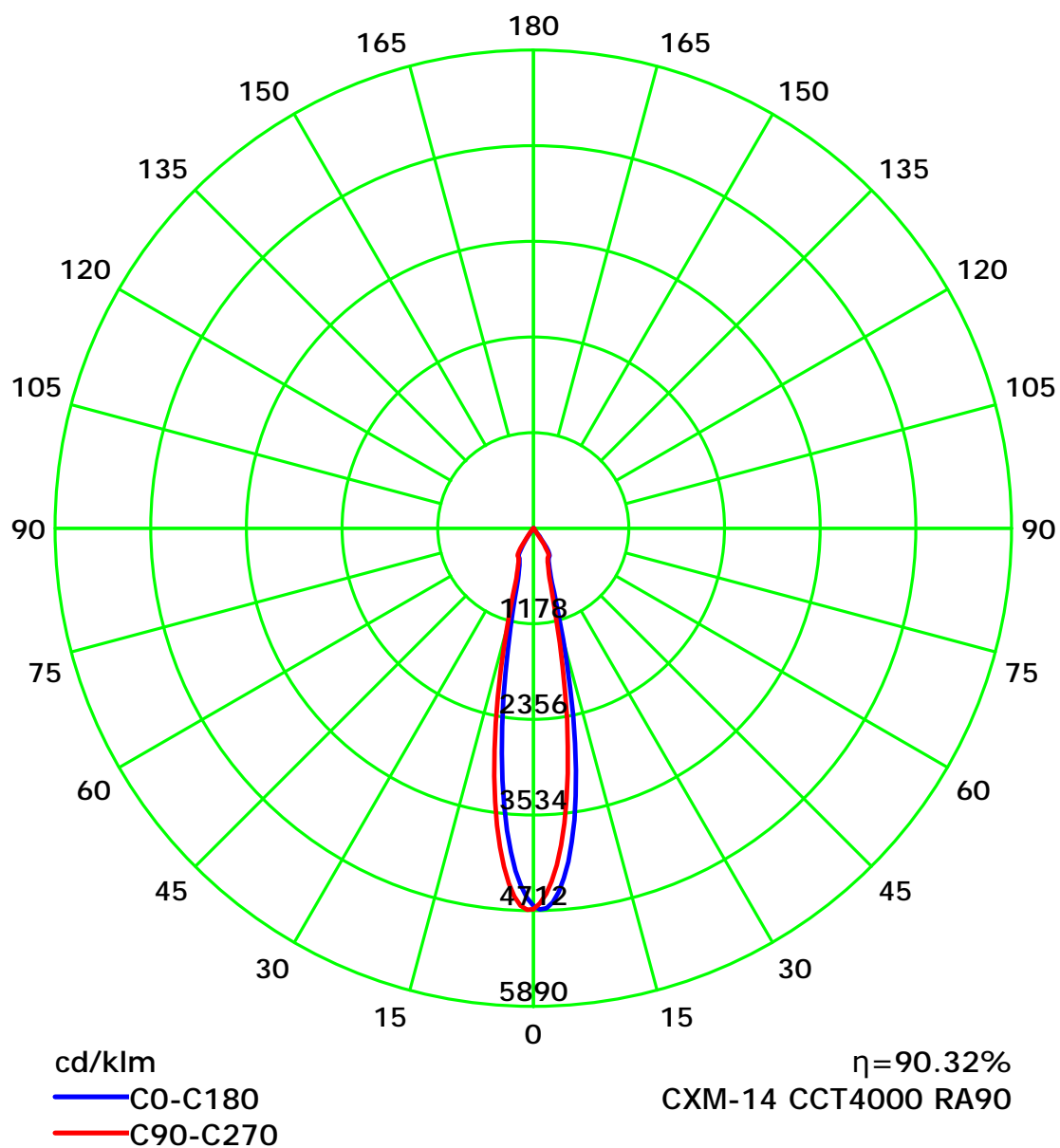
Luminous Intensity Distribution Curve



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: 4.200 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: 4.200 m
 Humidity:
 Inspector:

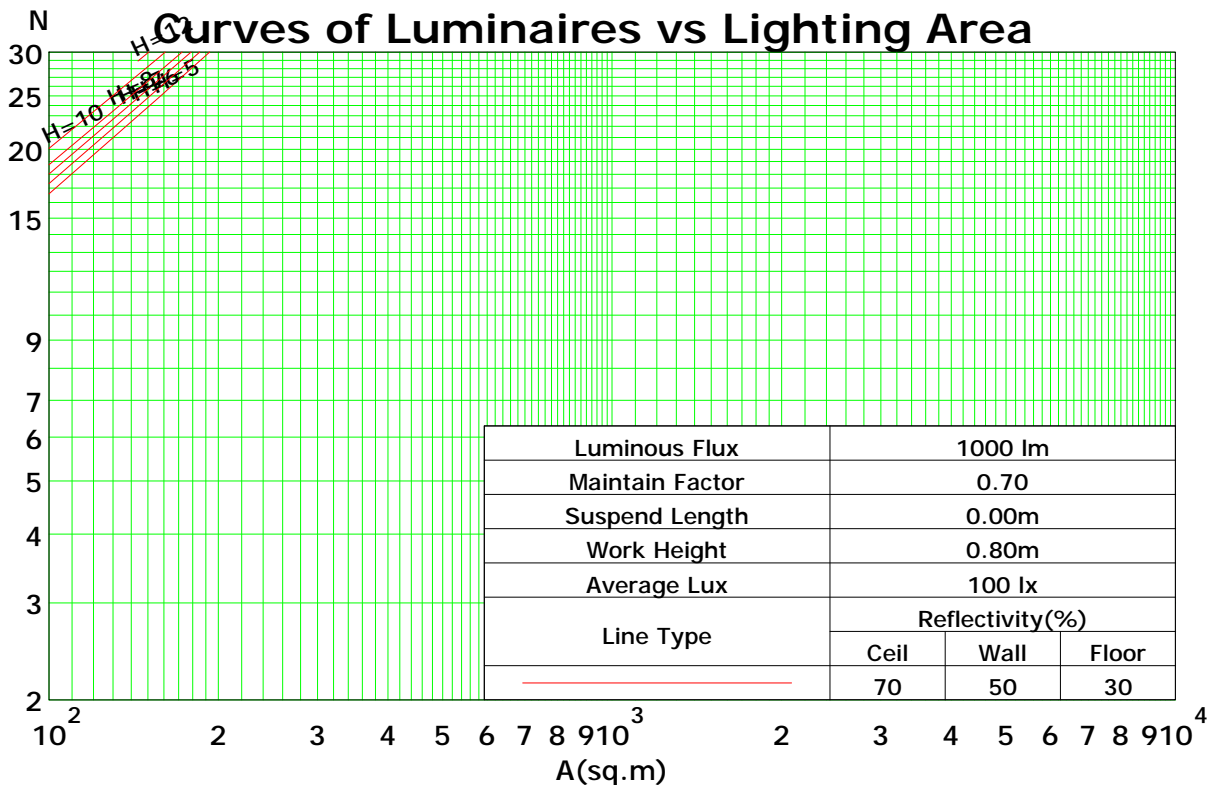
Coefficients Of Utilization - Zonal Cavity Method

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	108	108	108	108	105	105	105	105	100	100	100	96	96	96	92	92	92	90
1	104	102	100	98	101	100	98	97	96	95	94	93	92	91	90	89	88	87
2	100	96	93	91	98	95	92	90	92	90	88	89	88	86	87	86	84	83
3	96	92	88	85	95	91	87	85	88	86	83	86	84	82	84	82	81	80
4	93	88	84	81	91	87	83	80	85	82	79	83	81	79	82	79	78	77
5	90	84	80	77	88	83	79	77	82	78	76	80	78	75	79	77	75	74
6	87	81	77	74	86	80	76	73	79	75	73	78	75	72	77	74	72	71
7	84	78	74	71	83	77	73	70	76	73	70	75	72	70	74	72	69	68
8	81	75	71	68	80	74	71	68	74	70	68	73	70	67	72	69	67	66
9	79	72	68	66	78	72	68	66	71	68	65	71	67	65	70	67	65	64
10	77	70	66	64	76	70	66	63	69	66	63	69	65	63	68	65	63	62

Spacing Criteria (0-180): 0.37

Spacing Criteria (90-270): 0.37

Spacing Criteria (Diagonal): 0.36



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

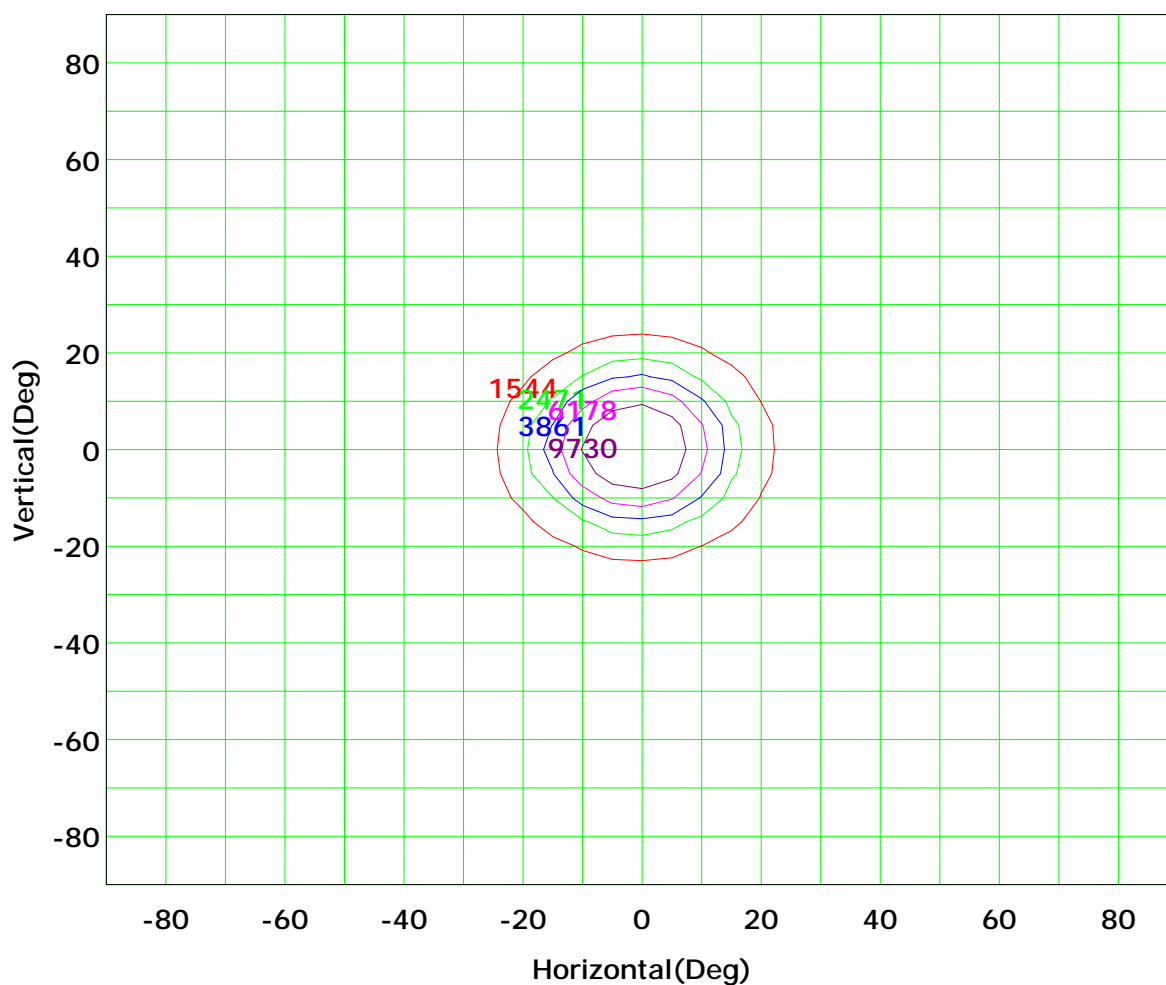
Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

Isocandela (rectangle)



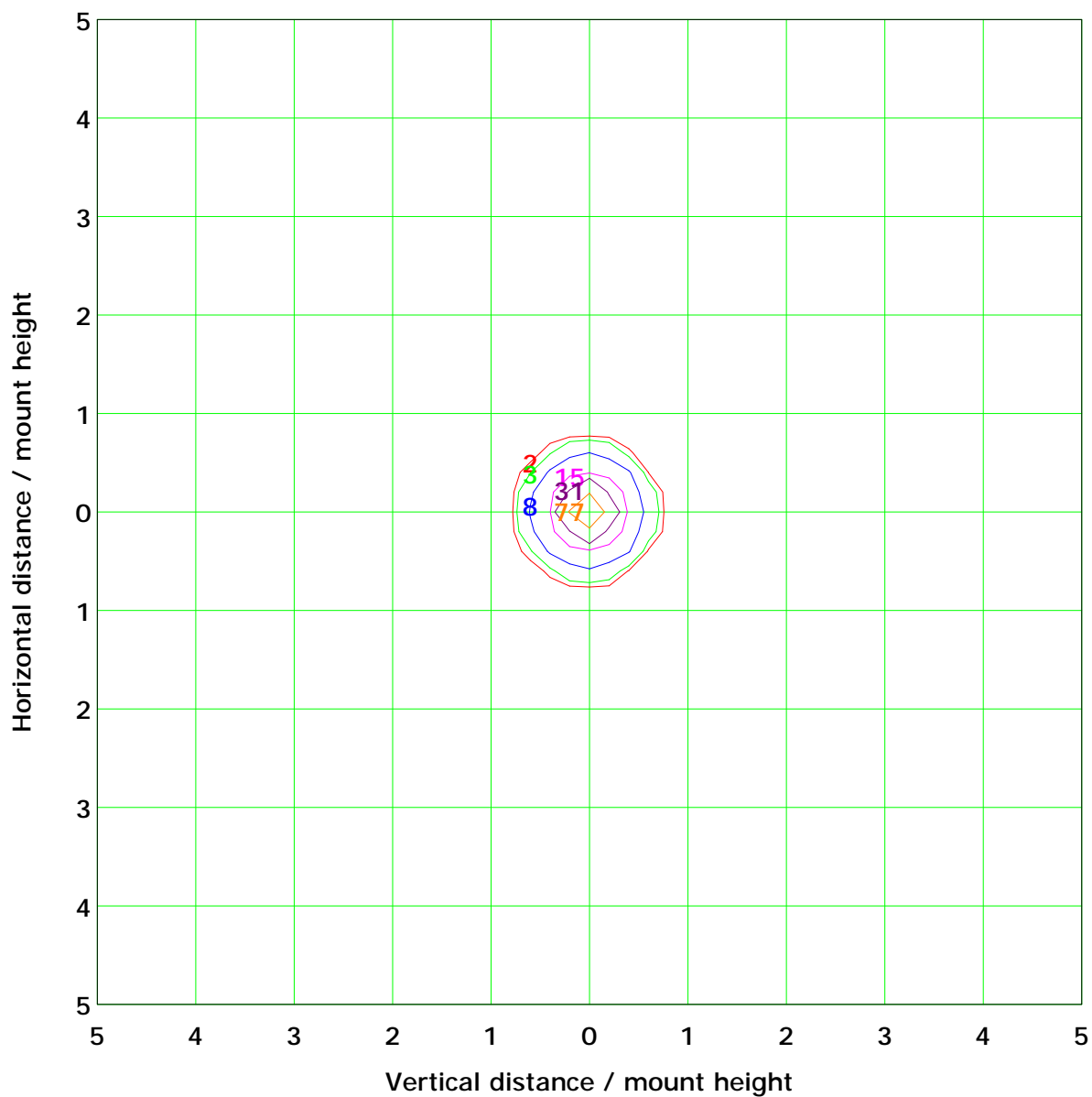
Imax (100%): 15445 cd

(10%): 1544 cd	(16%): 2471 cd
(25%): 3861 cd	(40%): 6178 cd
(63%): 9730 cd	(100%): 15445 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: 4.200 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 154.4 lx

(1%): 1.5 lx	(2%): 3.1 lx
(5%): 7.7 lx	(10%): 15.4 lx
(20%): 30.9 lx	(50%): 77.2 lx
(100%): 154.4 lx	

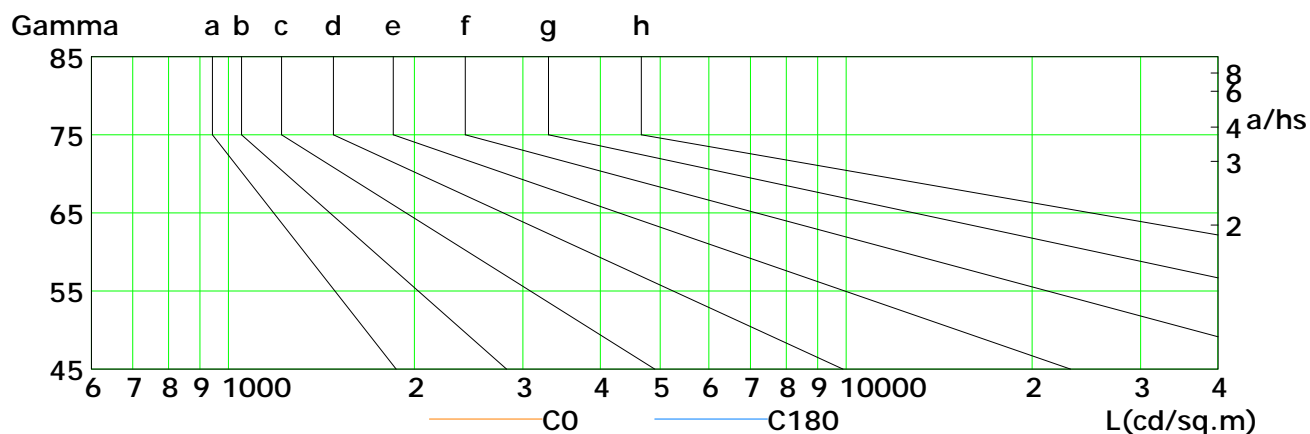
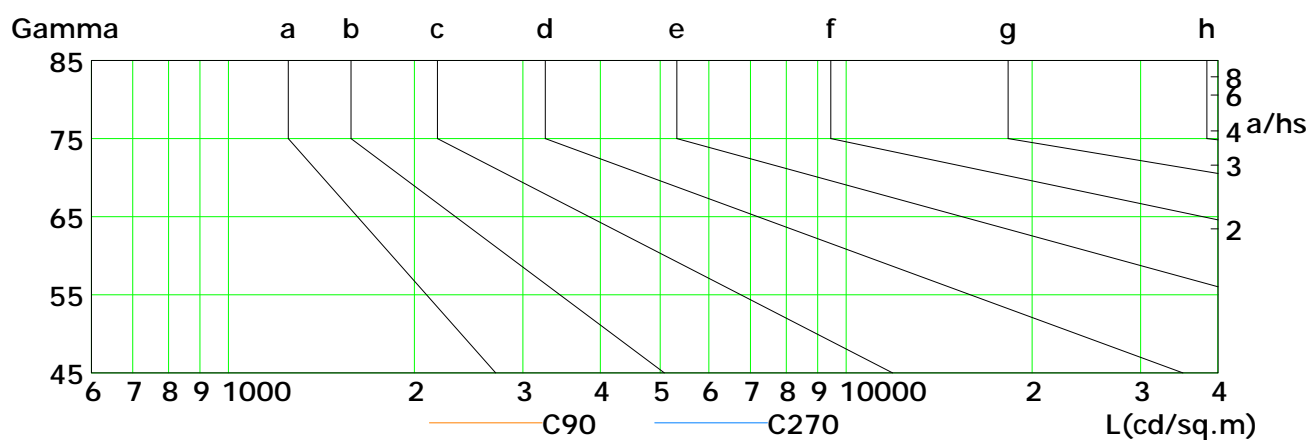
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: CHL-6E
 Distance: 4.200 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	38	31	23	13	8	5	3	2	1
C90	36	28	19	11	6	4	3	2	1
C180	35	26	17	10	6	4	2	1	1
C270	38	29	22	13	7	4	3	2	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

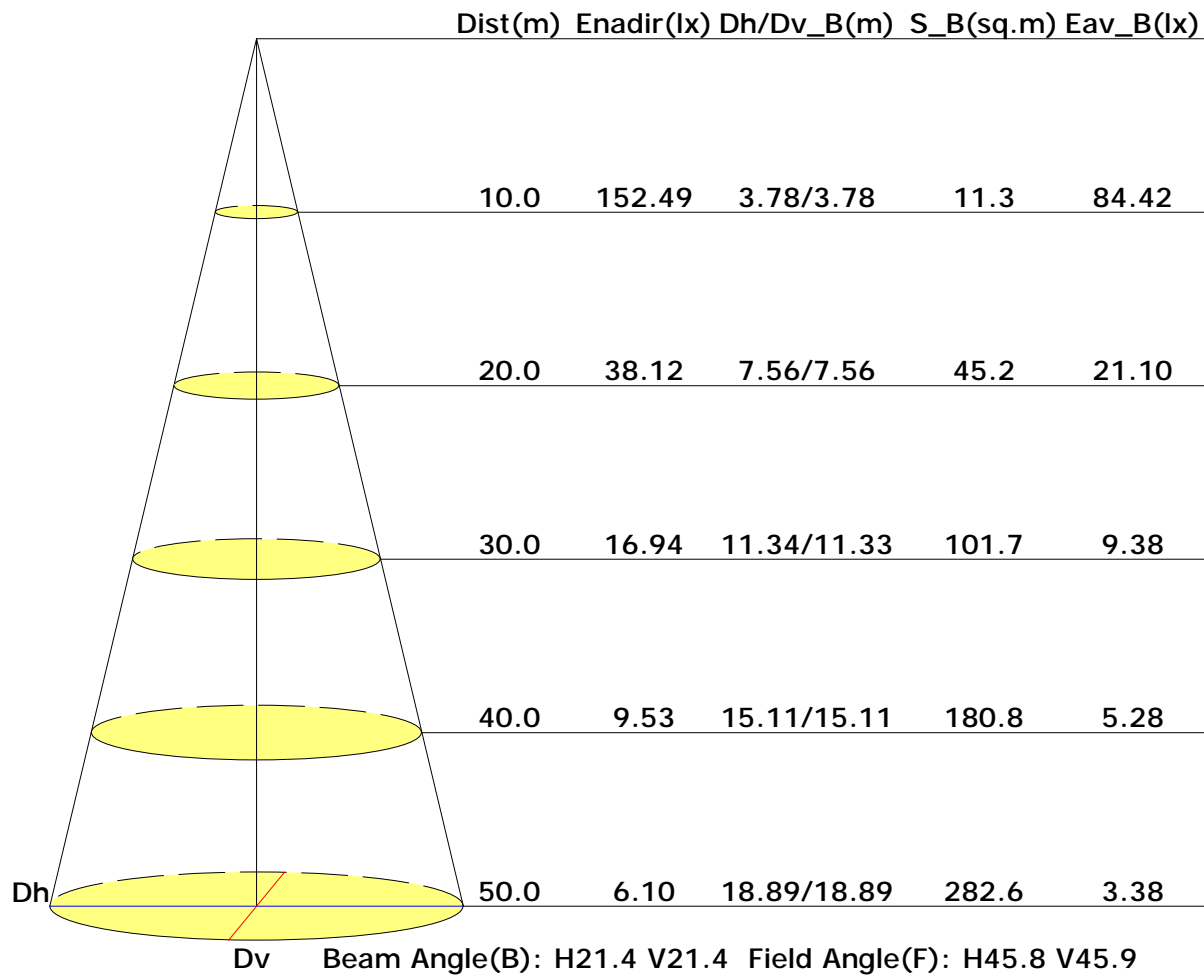
Test Device: CHL-6E

Distance: 4.200 m

Humidity:

Inspector:

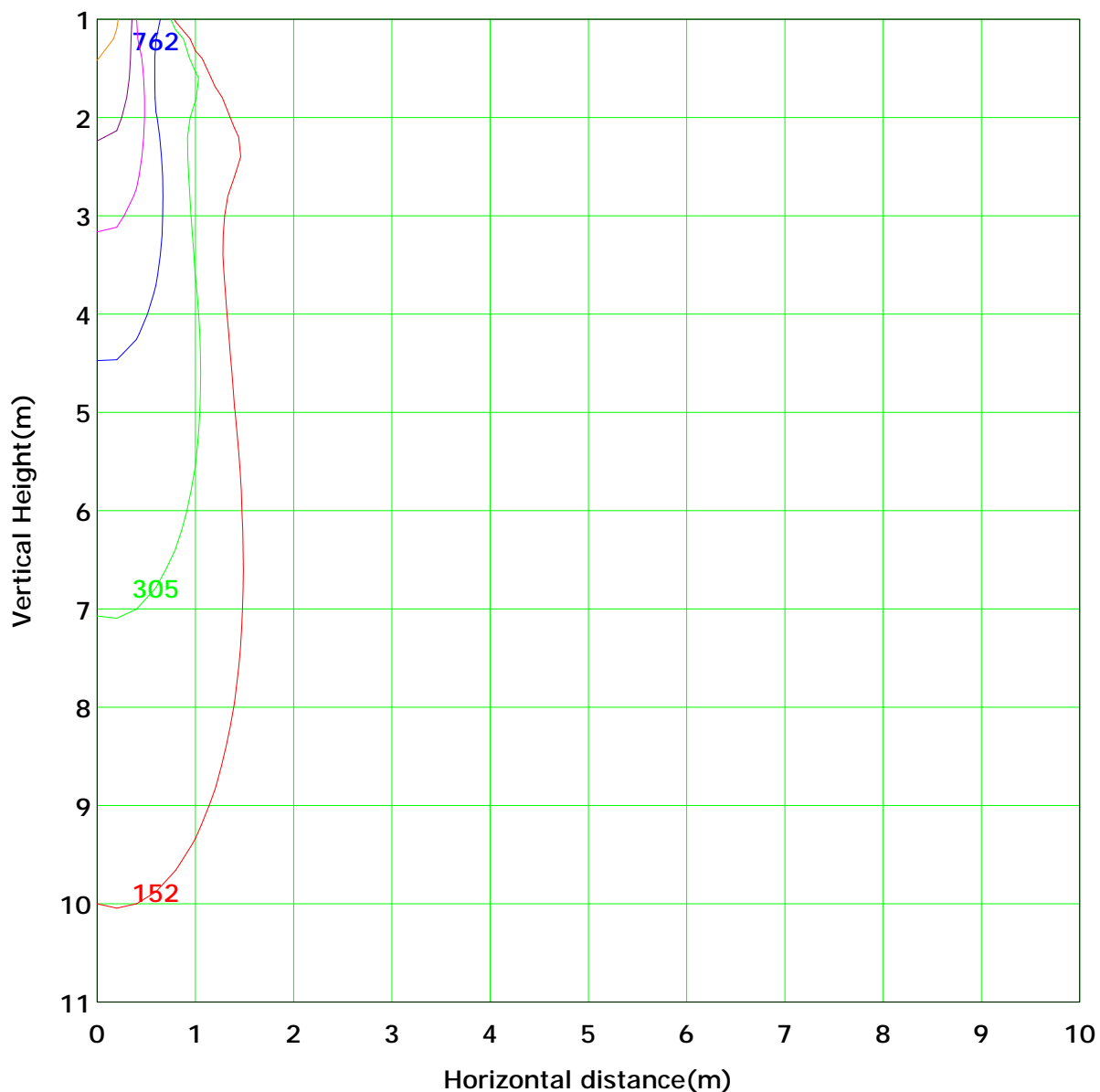
Illuminance at a Distance



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: 4.200 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



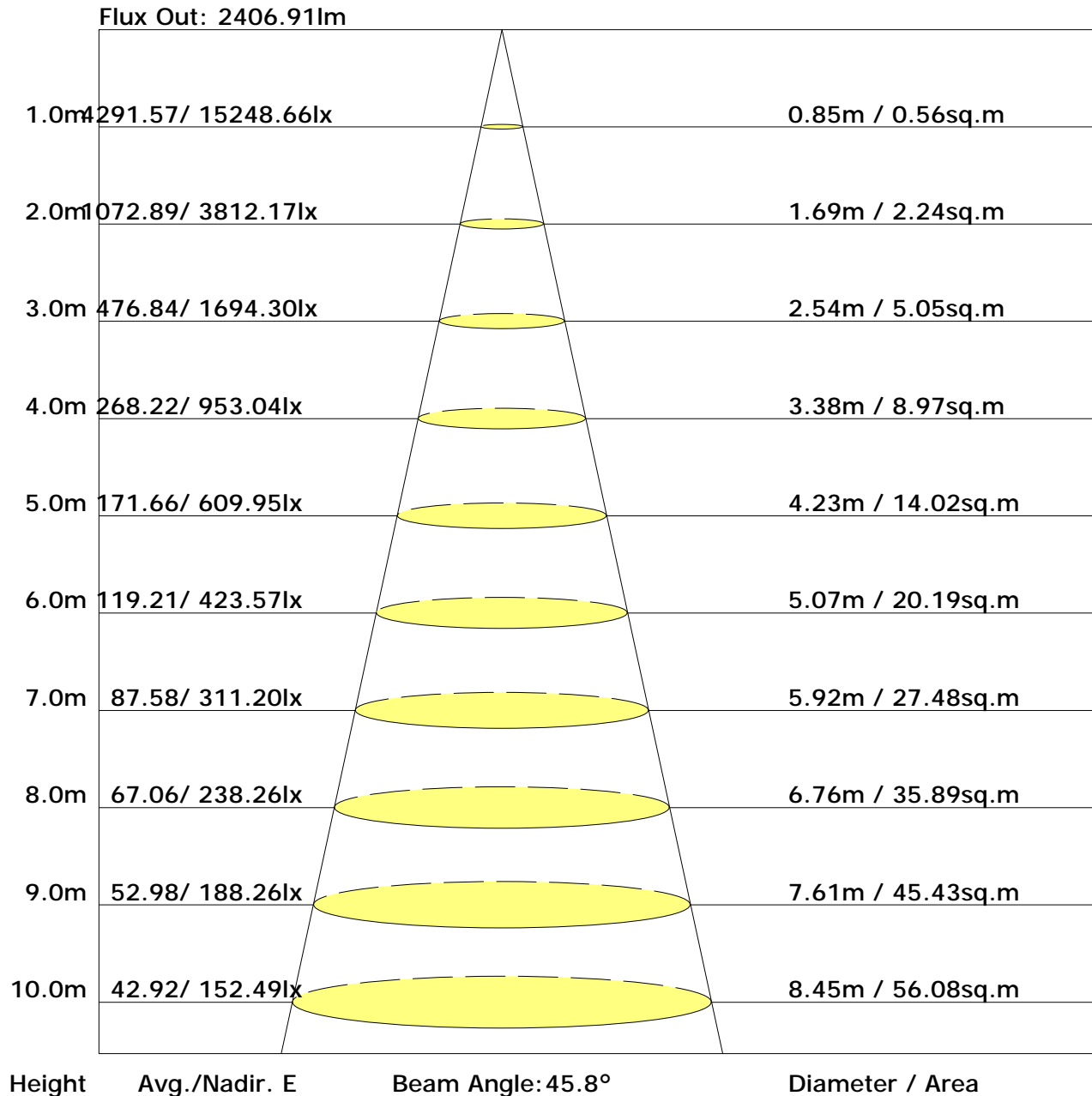
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 15248.7 lx

(1%): 152.5 lx	(2%): 305.0 lx
(5%): 762.4 lx	(10%): 1524.9 lx
(20%): 3049.7 lx	(50%): 7624.3 lx
(100%): 15248.7 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: 4.200 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: 4.200 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	21.1	21.8	21.4	22.0	22.2	15.0	15.6	15.2	15.8	16.0
3H	21.0	21.6	21.3	21.8	22.1	14.8	15.4	15.1	15.7	15.9
4H	20.9	21.5	21.2	21.8	22.0	14.8	15.3	15.1	15.6	15.8
6H	20.9	21.4	21.2	21.7	21.9	14.7	15.2	15.0	15.5	15.8
8H	20.8	21.3	21.2	21.6	21.9	14.6	15.2	15.0	15.4	15.7
12H	20.8	21.3	21.1	21.6	21.9	14.6	15.1	15.0	15.4	15.7
X=4H Y=2H	20.9	21.5	21.2	21.7	22.0	14.8	15.3	15.1	15.6	15.8
3H	20.8	21.3	21.1	21.6	21.9	14.6	15.1	15.0	15.4	15.7
4H	20.7	21.1	21.1	21.5	21.8	14.5	15.0	14.9	15.3	15.7
6H	20.6	21.0	21.0	21.4	21.7	14.5	14.8	14.9	15.2	15.6
8H	20.6	20.9	21.0	21.3	21.7	14.4	14.8	14.8	15.1	15.5
12H	20.5	20.8	21.0	21.2	21.7	14.4	14.7	14.8	15.1	15.5
X=8H Y=4H	20.6	20.9	21.0	21.3	21.7	14.4	14.8	14.8	15.1	15.5
6H	20.5	20.7	20.9	21.2	21.6	14.3	14.6	14.8	15.0	15.5
8H	20.4	20.7	20.9	21.1	21.6	14.3	14.5	14.7	15.0	15.4
12H	20.4	20.6	20.9	21.1	21.6	14.2	14.4	14.7	14.9	15.4
X=12H Y=4H	20.5	20.8	20.9	21.2	21.7	14.4	14.7	14.8	15.1	15.5
6H	20.4	20.7	20.9	21.1	21.6	14.3	14.5	14.7	15.0	15.4
8H	20.4	20.6	20.9	21.1	21.6	14.2	14.4	14.7	14.9	15.4
Variations with the observer position at spacings:										
S=1.0H	+6.9/-14.6					+6.5/-13.6				
S=1.5H	+9.7/-17.8					+9.3/-16.4				
S=2.0H	+11.7/-20.3					+11.3/-18.4				

Calculate in accordance with CIE Pub.117. The table is revised with 3629lm ($8\log(F/F_0) = 4.5$).

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: 4.200 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	0.83	0.87	0.91	0.93	0.96	0.98	0.99	1.01	1.02
	0.30		0.79	0.84	0.87	0.90	0.93	0.95	0.97	0.99	1.01
	0.20		0.76	0.81	0.85	0.87	0.91	0.93	0.95	0.98	0.99
0.50	0.50	0.20	0.82	0.86	0.89	0.91	0.93	0.95	0.96	0.98	0.99
	0.30		0.78	0.83	0.86	0.88	0.91	0.93	0.94	0.96	0.97
	0.20		0.76	0.81	0.84	0.86	0.89	0.91	0.93	0.95	0.96
0.30	0.50	0.20	0.81	0.85	0.87	0.89	0.91	0.92	0.93	0.94	0.95
	0.30		0.78	0.82	0.85	0.87	0.89	0.91	0.92	0.93	0.94
	0.20		0.76	0.80	0.83	0.85	0.88	0.89	0.91	0.92	0.93
0.00	0.00	0.00	0.74	0.78	0.81	0.83	0.85	0.86	0.87	0.88	0.89
<p>Rating:0W 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	0.45	0.37	0.31	0.27	0.21	0.17	0.15	0.12	0.09	
	0.30		0.38	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09	
	0.20		0.32	0.27	0.24	0.21	0.17	0.15	0.13	0.10	0.08	
0.50	0.50	0.20	0.43	0.34	0.29	0.25	0.19	0.20	0.13	0.10	0.08	
	0.30		0.36	0.30	0.25	0.22	0.18	0.15	0.13	0.10	0.08	
	0.20		0.32	0.26	0.23	0.20	0.16	0.14	0.12	0.09	0.08	
0.30	0.50	0.20	0.41	0.32	0.27	0.23	0.18	0.14	0.12	0.09	0.08	
	0.30		0.35	0.28	0.24	0.21	0.16	0.14	0.12	0.09	0.07	
	0.20		0.31	0.25	0.22	0.19	0.15	0.13	0.11	0.09	0.07	
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:0W 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	0.11	0.13	0.14	0.15	0.16	0.17	0.17	0.18	0.19
	0.30		0.08	0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.18
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.18
	0.30		0.08	0.10	0.11	0.12	0.13	0.15	0.15	0.16	0.17
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.15	0.16
0.30	0.50	0.20	0.10	0.12	0.13	0.14	0.15	0.16	0.16	0.17	0.17
	0.30		0.08	0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:0W 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	15285.7	14.6	14.6	0.40	0.40
1.0-2.0	15102.6	43.4	58.0	1.19	1.60
2.0-3.0	14756.2	70.6	128.6	1.94	3.54
3.0-4.0	14259.6	95.5	224.0	2.63	6.17
4.0-5.0	13617.4	117.2	341.2	3.23	9.40
5.0-6.0	12853.8	135.1	476.3	3.72	13.12
6.0-7.0	11994.6	148.9	625.2	4.10	17.23
7.0-8.0	11051.9	158.2	783.4	4.36	21.59
8.0-9.0	10043.6	162.8	946.2	4.49	26.07
9.0-10.0	8992.2	162.8	1108.9	4.48	30.56
10.0-11.0	7912.8	158.1	1267.1	4.36	34.91
11.0-12.0	6842.1	149.6	1416.7	4.12	39.04
12.0-13.0	5826.1	138.3	1554.9	3.81	42.85
13.0-14.0	4895.5	125.3	1680.3	3.45	46.30
14.0-15.0	4081.6	112.1	1792.3	3.09	49.39
15.0-16.0	3405.4	99.8	1892.1	2.75	52.14
16.0-17.0	2869.6	89.4	1981.5	2.46	54.60
17.0-18.0	2463.3	81.2	2062.7	2.24	56.84
18.0-19.0	2168.3	75.4	2138.2	2.08	58.92
19.0-20.0	1957.9	71.7	2209.8	1.97	60.89
20.0-21.0	1802.8	69.2	2279.1	1.91	62.80
21.0-22.0	1680.9	67.6	2346.6	1.86	64.66
22.0-23.0	1579.7	66.3	2412.9	1.83	66.49
23.0-24.0	1495.7	65.4	2478.3	1.80	68.29
24.0-25.0	1429.2	65.0	2543.3	1.79	70.08
25.0-26.0	1379.4	65.1	2608.4	1.79	71.88
26.0-27.0	1343.9	65.8	2674.2	1.81	73.69
27.0-28.0	1318.6	66.8	2741.0	1.84	75.53
28.0-29.0	1296.9	67.9	2808.8	1.87	77.40
29.0-30.0	1264.8	68.3	2877.1	1.88	79.28
30.0-31.0	1202.8	66.9	2944.1	1.84	81.13
31.0-32.0	1098.7	63.0	3007.0	1.73	82.86
32.0-33.0	955.8	56.3	3063.3	1.55	84.41
33.0-34.0	787.6	47.7	3111.0	1.31	85.73
34.0-35.0	609.6	37.9	3148.9	1.04	86.77
35.0-36.0	436.9	27.8	3176.7	0.77	87.54

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: 4.200 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	284.9	18.6	3195.3	0.51	88.05
37.0-38.0	170.4	11.4	3206.7	0.31	88.36
38.0-39.0	101.1	6.9	3213.6	0.19	88.55
39.0-40.0	70.4	4.9	3218.5	0.14	88.69
40.0-41.0	59.6	4.2	3222.7	0.12	88.80
41.0-42.0	52.4	3.8	3226.5	0.10	88.91
42.0-43.0	46.1	3.4	3229.9	0.09	89.00
43.0-44.0	41.0	3.1	3233.0	0.09	89.09
44.0-45.0	37.8	2.9	3235.9	0.08	89.17
45.0-46.0	36.3	2.8	3238.8	0.08	89.25
46.0-47.0	34.4	2.7	3241.5	0.08	89.32
47.0-48.0	32.5	2.6	3244.1	0.07	89.39
48.0-49.0	30.9	2.5	3246.7	0.07	89.46
49.0-50.0	29.3	2.4	3249.1	0.07	89.53
50.0-51.0	27.8	2.4	3251.5	0.06	89.60
51.0-52.0	26.1	2.2	3253.7	0.06	89.66
52.0-53.0	24.5	2.1	3255.9	0.06	89.72
53.0-54.0	23.1	2.0	3257.9	0.06	89.77
54.0-55.0	21.2	1.9	3259.8	0.05	89.83
55.0-56.0	19.3	1.7	3261.5	0.05	89.87
56.0-57.0	17.5	1.6	3263.1	0.04	89.92
57.0-58.0	15.8	1.5	3264.6	0.04	89.96
58.0-59.0	14.0	1.3	3265.9	0.04	89.99
59.0-60.0	12.3	1.2	3267.1	0.03	90.03
60.0-61.0	11.0	1.1	3268.1	0.03	90.06
61.0-62.0	9.9	1.0	3269.1	0.03	90.08
62.0-63.0	9.0	0.9	3269.9	0.02	90.11
63.0-64.0	8.1	0.8	3270.7	0.02	90.13
64.0-65.0	7.3	0.7	3271.4	0.02	90.15
65.0-66.0	6.4	0.6	3272.1	0.02	90.16
66.0-67.0	5.7	0.6	3272.7	0.02	90.18
67.0-68.0	5.3	0.5	3273.2	0.01	90.20
68.0-69.0	4.8	0.5	3273.7	0.01	90.21
69.0-70.0	4.6	0.5	3274.2	0.01	90.22
70.0-71.0	4.3	0.4	3274.6	0.01	90.23
71.0-72.0	3.9	0.4	3275.0	0.01	90.25

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: 4.200 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: 4.200 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	15248.7	15332.1	15377.2	15374.1	15248.7	15332.1	15377.2	15374.1	15248.7	
G1.0	15395.0	15280.7	15149.0	15108.6	14931.8	15187.8	15409.7	15444.9	15395.0	
G2.0	15347.8	15050.3	14772.3	14685.7	14447.5	14856.2	15237.1	15337.9	15347.8	
G3.0	15115.9	14672.6	14269.6	14146.8	13847.8	14366.7	14888.7	15056.1	15115.9	
G4.0	14726.1	14152.6	13630.6	13462.1	13109.0	13752.8	14375.6	14580.8	14726.1	
G5.0	14185.1	13497.8	12849.8	12642.6	12246.5	13017.7	13708.2	13941.2	14185.1	
G6.0	13534.0	12725.5	11970.0	11734.4	11285.8	12173.0	12942.2	13207.2	13534.0	
G7.0	12764.8	11861.3	11011.9	10761.1	10261.1	11227.5	12081.7	12372.4	12764.8	
G8.0	11896.0	10894.4	9989.3	9714.9	9181.3	10206.0	11141.0	11465.8	11896.0	
G9.0	10945.3	9873.3	8925.8	8634.6	8093.6	9126.2	10139.4	10471.5	10945.3	
G10.0	9924.3	8815.1	7837.6	7521.2	6995.0	8053.3	9081.1	9437.9	9924.3	
G11.0	8841.3	7702.8	6734.7	6428.3	5954.5	6935.7	7998.2	8343.9	8841.3	
G12.0	7738.5	6594.1	5705.3	5426.7	4997.5	5894.7	6922.6	7254.7	7738.5	
G13.0	6631.9	5563.7	4756.2	4539.0	4163.8	4949.8	5892.1	6187.5	6631.9	
G14.0	5591.0	4631.8	3944.5	3760.9	3459.2	4128.1	4932.5	5196.4	5591.0	
G15.0	4651.3	3850.6	3286.6	3132.3	2905.7	3433.5	4089.3	4311.8	4651.3	
G16.0	3864.2	3204.2	2772.9	2652.2	2477.0	2882.1	3396.2	3576.7	3864.2	
G17.0	3220.5	2706.8	2392.5	2299.1	2172.2	2458.6	2853.7	2983.8	3220.5	
G18.0	2712.1	2334.8	2127.6	2057.3	1970.7	2158.5	2438.7	2526.3	2712.1	
G19.0	2334.3	2078.8	1945.0	1888.8	1820.6	1955.5	2141.2	2202.1	2334.3	
G20.0	2071.4	1902.5	1807.5	1754.5	1704.7	1808.6	1936.1	1974.9	2071.4	
G21.0	1890.9	1757.7	1684.7	1645.4	1603.9	1691.6	1796.5	1813.8	1890.9	
G22.0	1755.6	1641.2	1578.2	1553.0	1516.3	1590.3	1683.2	1691.6	1755.6	
G23.0	1641.2	1544.7	1487.5	1473.3	1444.4	1504.8	1583.5	1586.1	1641.2	
G24.0	1545.7	1461.2	1421.9	1415.1	1391.4	1438.1	1494.8	1497.9	1545.7	
G25.0	1462.8	1404.6	1374.1	1369.9	1349.5	1384.6	1427.1	1428.2	1462.8	
G26.0	1404.6	1365.7	1340.0	1339.5	1323.2	1347.9	1373.1	1375.2	1404.6	
G27.0	1363.1	1334.8	1315.4	1319.6	1304.9	1322.2	1337.4	1336.3	1363.1	
G28.0	1335.8	1314.8	1299.6	1301.7	1283.4	1302.8	1314.3	1311.7	1335.8	
G29.0	1316.9	1300.7	1276.5	1275.0	1243.5	1282.8	1297.5	1293.3	1316.9	
G30.0	1301.7	1277.1	1229.8	1204.1	1142.2	1238.8	1277.1	1279.2	1301.7	
G31.0	1280.7	1224.1	1120.2	1074.5	989.0	1133.3	1226.2	1246.1	1280.7	
G32.0	1224.1	1105.0	966.5	907.2	817.5	982.7	1125.4	1156.9	1224.1	
G33.0	1107.1	943.9	788.1	724.0	642.2	805.9	976.4	1019.5	1107.1	
G34.0	944.9	766.5	604.4	542.0	464.9	621.7	801.2	848.9	944.9	
G35.0	760.3	583.4	425.5	368.3	292.2	444.4	617.0	668.4	760.3	
G36.0	581.9	409.8	266.0	215.6	154.8	277.0	436.0	489.0	581.9	

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: 4.200 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	410.8	251.3	144.3	109.1	81.3	143.2	269.2	319.0	410.8	
G38.0	250.8	129.6	81.3	74.0	64.5	79.8	141.7	176.3	250.8	
G39.0	127.0	76.6	68.2	62.4	54.0	65.1	78.7	88.2	127.0	
G40.0	77.1	67.2	61.9	57.7	48.8	54.6	67.2	71.9	77.1	
G41.0	65.1	58.8	56.1	51.9	42.5	51.4	58.8	63.0	65.1	
G42.0	57.2	54.0	41.5	40.9	40.9	43.5	55.6	57.2	57.2	
G43.0	53.0	38.8	39.9	40.4	39.3	39.9	43.5	51.4	53.0	
G44.0	39.9	38.3	37.8	37.8	36.7	38.3	40.4	39.9	39.9	
G45.0	38.3	37.8	35.7	36.2	35.2	36.7	38.3	38.3	38.3	
G46.0	37.8	35.2	35.2	33.6	33.6	35.2	36.7	37.8	37.8	
G47.0	35.2	34.1	32.5	32.5	31.0	32.5	34.1	34.1	35.2	
G48.0	33.6	31.5	31.5	30.4	29.4	31.0	32.5	33.6	33.6	
G49.0	32.5	29.4	29.9	29.4	28.3	29.4	30.4	31.5	32.5	
G50.0	31.0	28.9	28.3	27.3	26.2	28.3	28.9	29.9	31.0	
G51.0	29.4	27.3	26.8	25.7	24.7	26.2	28.3	28.3	29.4	
G52.0	27.3	25.2	24.7	24.1	23.1	24.7	26.2	26.2	27.3	
G53.0	25.2	24.1	24.1	22.0	21.0	24.1	25.2	25.2	25.2	
G54.0	25.2	23.1	21.0	20.5	19.4	22.0	23.1	24.1	25.2	
G55.0	22.6	20.5	19.4	18.4	17.3	19.9	21.5	21.5	22.6	
G56.0	21.0	18.4	17.3	16.8	16.3	17.8	19.4	20.5	21.0	
G57.0	19.4	16.8	16.3	15.2	13.1	16.3	17.3	18.4	19.4	
G58.0	17.8	15.2	14.2	13.6	12.1	14.2	16.3	16.3	17.8	
G59.0	15.7	12.6	12.6	11.5	11.0	12.6	13.1	14.7	15.7	
G60.0	13.1	12.1	11.0	11.0	10.0	11.0	12.6	12.6	13.1	
G61.0	12.6	10.0	10.0	8.9	8.4	10.0	11.0	12.1	12.6	
G62.0	11.0	8.9	9.4	8.4	8.4	8.9	10.0	10.0	11.0	
G63.0	10.0	8.4	8.9	7.9	6.8	8.4	8.4	9.4	10.0	
G64.0	8.4	7.9	7.9	6.3	6.3	7.9	7.9	8.4	8.4	
G65.0	8.4	6.3	6.3	6.8	5.8	6.8	7.3	7.9	8.4	
G66.0	6.3	5.8	5.8	5.3	4.7	5.8	6.8	6.3	6.3	
G67.0	6.8	5.8	5.8	4.7	4.7	5.8	5.8	5.8	6.8	
G68.0	5.8	4.7	4.7	4.7	4.2	4.7	4.7	5.8	5.8	
G69.0	4.7	4.7	4.7	4.2	4.2	4.2	4.7	5.8	4.7	
G70.0	5.3	4.2	4.2	4.2	4.2	4.2	4.2	5.3	5.3	
G71.0	4.2	4.2	4.2	4.2	3.7	4.2	4.2	4.2	4.2	
G72.0	4.2	3.7	4.2	3.2	3.2	4.2	3.2	4.2	4.2	
G73.0	4.2	3.2	3.7	3.7	3.2	3.7	3.7	4.2	4.2	

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: 4.200 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: 4.200 m

Humidity:

Inspector: