

Report No.:

Test Time: 2021/11/16 14:59

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: COB RIBBONLYTE

Lamp Catalog: FCOB-24V-D480-3000-10W-8MM-IP20 RA>90

Lamp Description: 3000K

Luminous Length (mm): 500

Luminous Height (mm): 1.5

Current: 0.224 A

Power Factor: 1.000

Luminaire Description: RB90LINEA203.030

Number of Lamps: 480/M

Luminous Width (mm): 8

Voltage: 24.0 V

Power: 5.36 W

Photometric Results

CIE Class: Direct

Measurement Flux: 383.6 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(10%,50%): H160,H113.4

Vertical Diffuse Angle(10%,50%): V193.8,V139.4

Luminaire Efficacy Rating (LER): 72

Max. Intensity: 108.94 cd

Total Rated Lamp Lumens: 383.6 lm

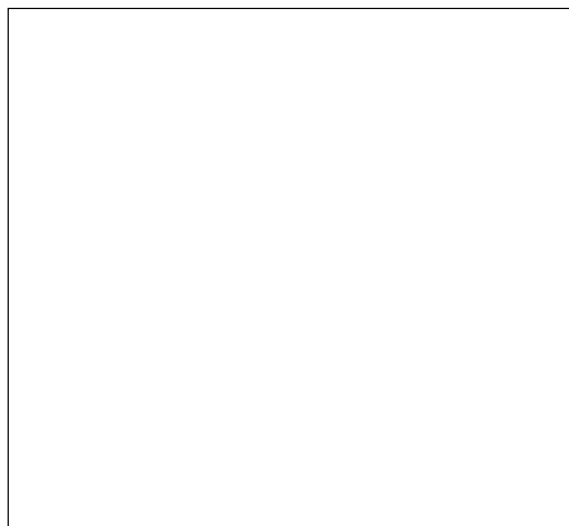
Efficiency: 100%

Upward Ratio: 3%

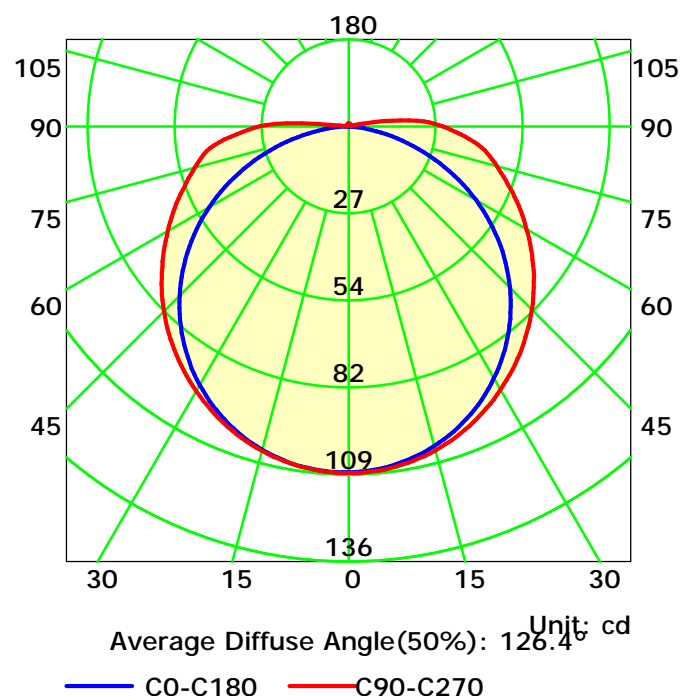
Central Intensity: 108.66 cd

Pos of Max. Intensity: H90 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0

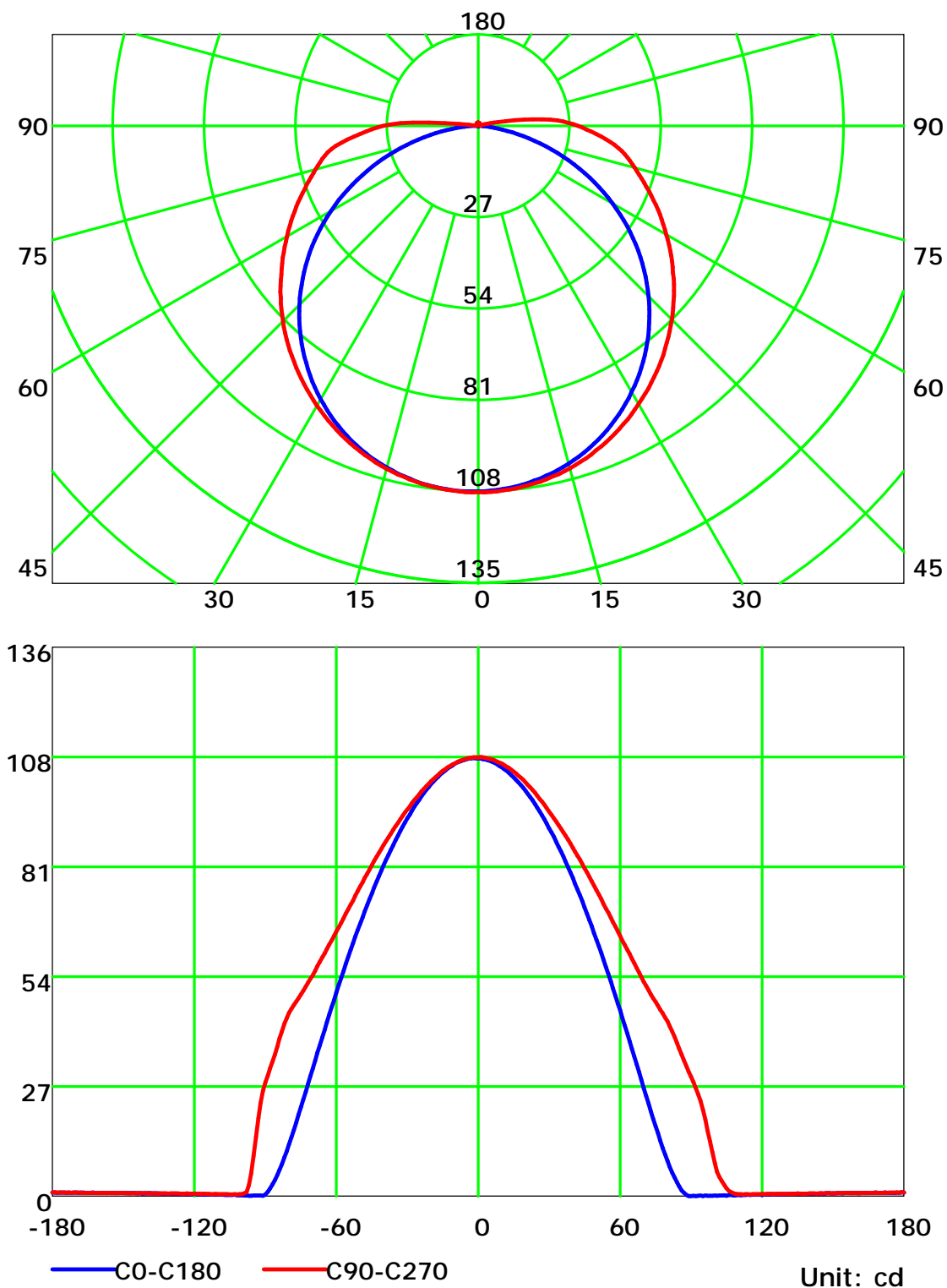
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

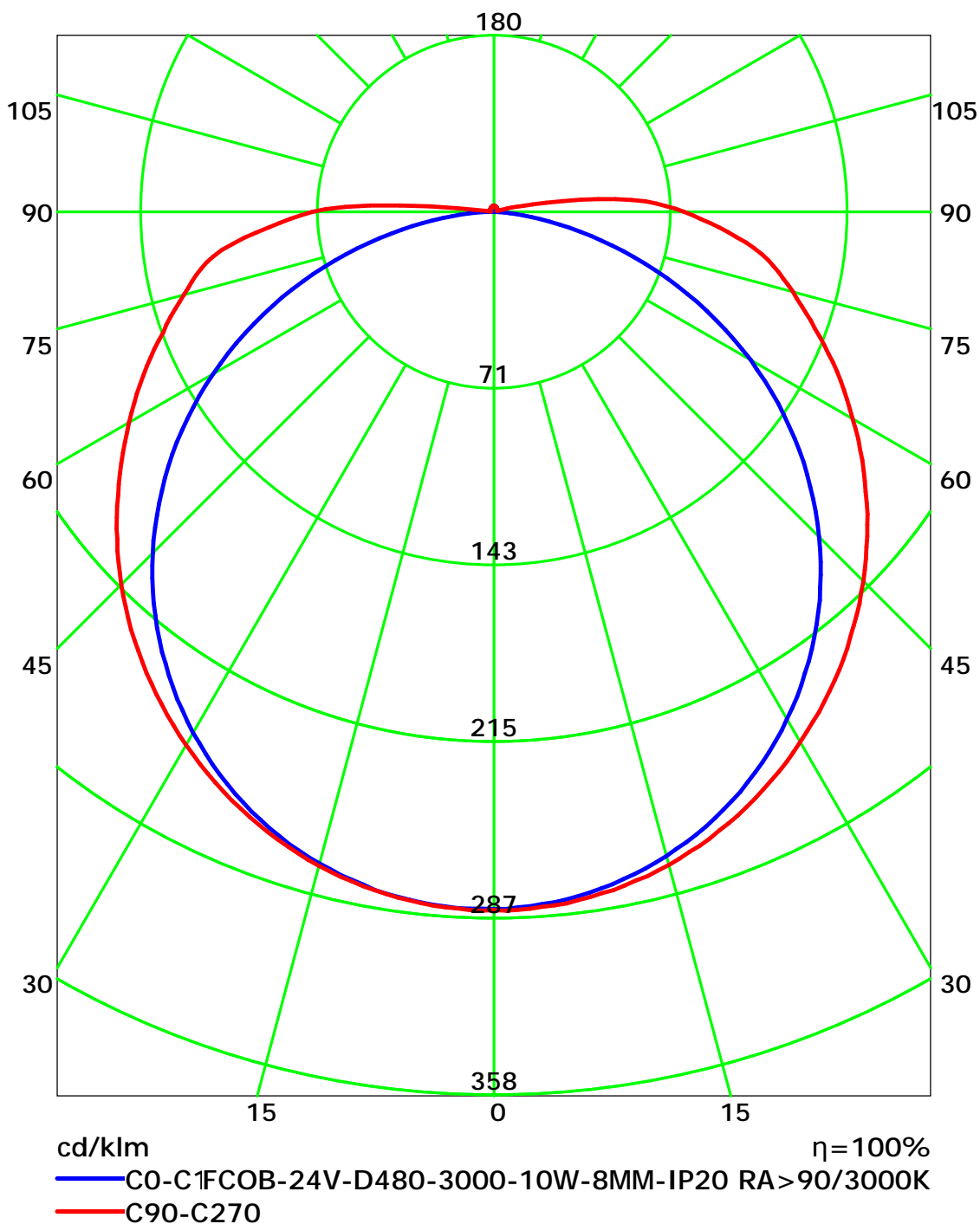
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

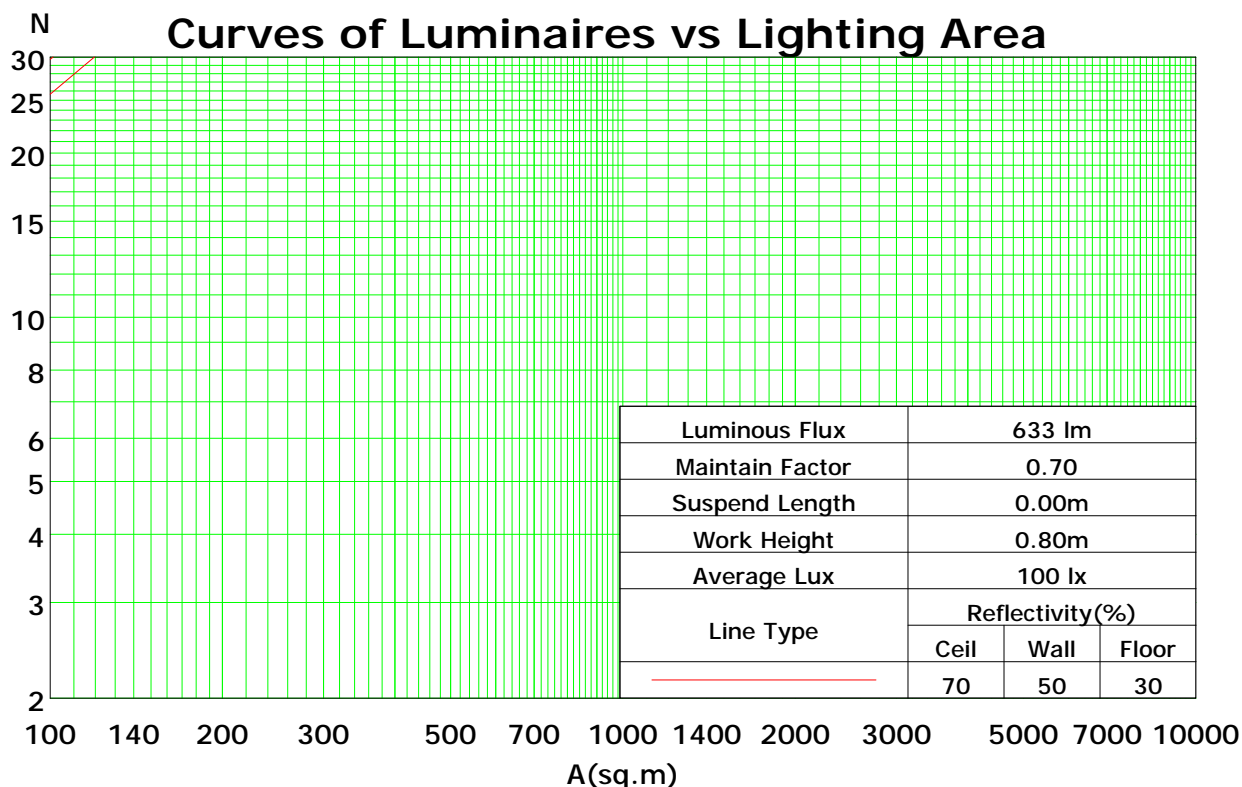
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	105	100	94	90	102	97	92	88	92	88	84	87	84	81	83	81	78	76
2	95	85	78	71	92	83	76	70	79	73	68	75	70	66	72	67	64	61
3	86	74	65	58	83	72	64	57	69	62	56	66	60	54	63	57	53	51
4	78	65	56	49	76	64	55	48	61	53	47	58	51	46	55	50	45	43
5	72	58	49	41	70	57	48	41	54	46	40	52	45	40	50	44	39	36
6	66	52	43	36	64	51	42	36	49	41	35	47	40	34	45	39	34	32
7	61	47	38	32	59	46	37	31	44	37	31	43	36	30	41	35	30	28
8	57	43	34	28	55	42	34	28	41	33	27	39	32	27	38	31	27	25
9	53	39	31	25	52	39	31	25	37	30	25	36	29	24	35	29	24	22
10	50	36	28	23	48	36	28	23	34	27	22	33	27	22	32	26	22	20

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.31

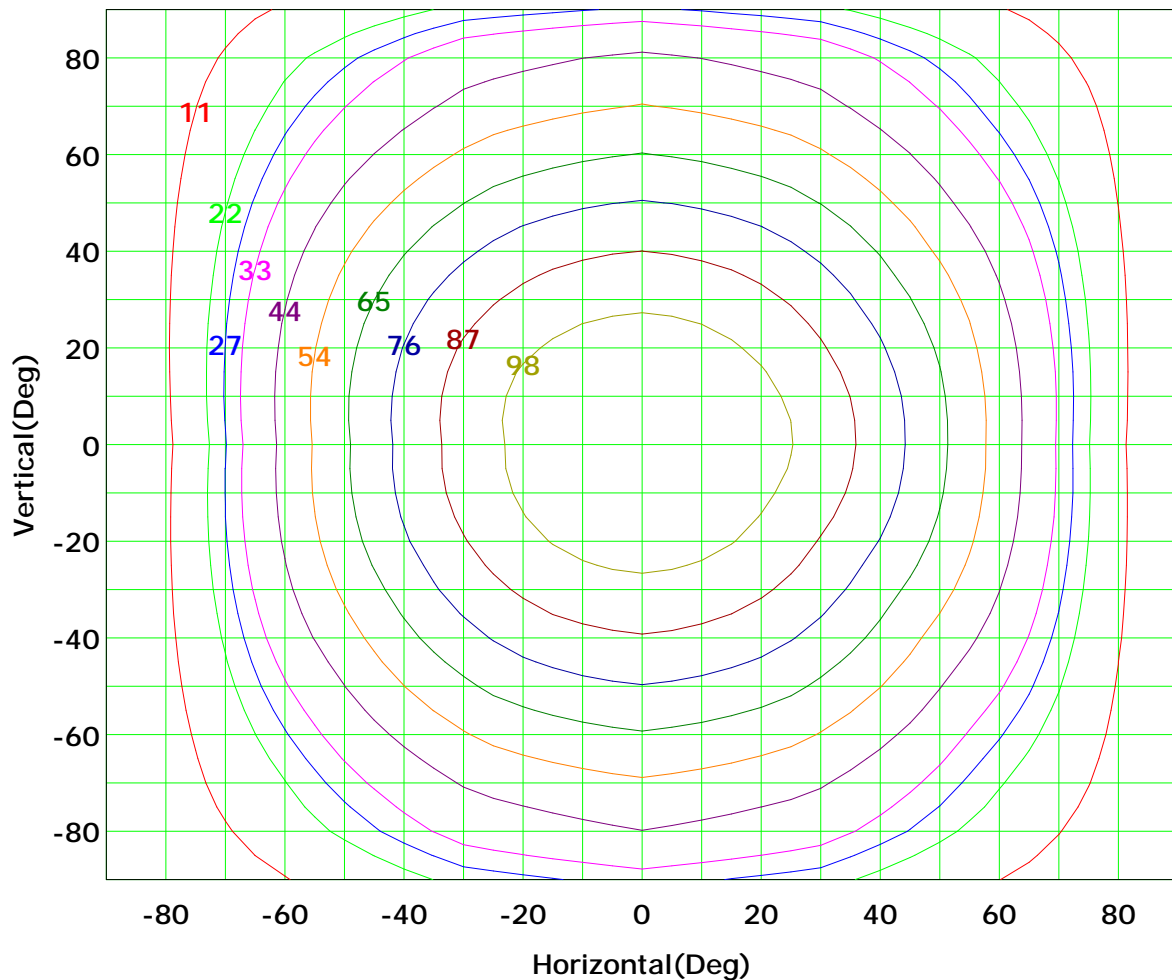
Spacing Criteria (Diagonal): 1.42



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Isocandela (rectangle)



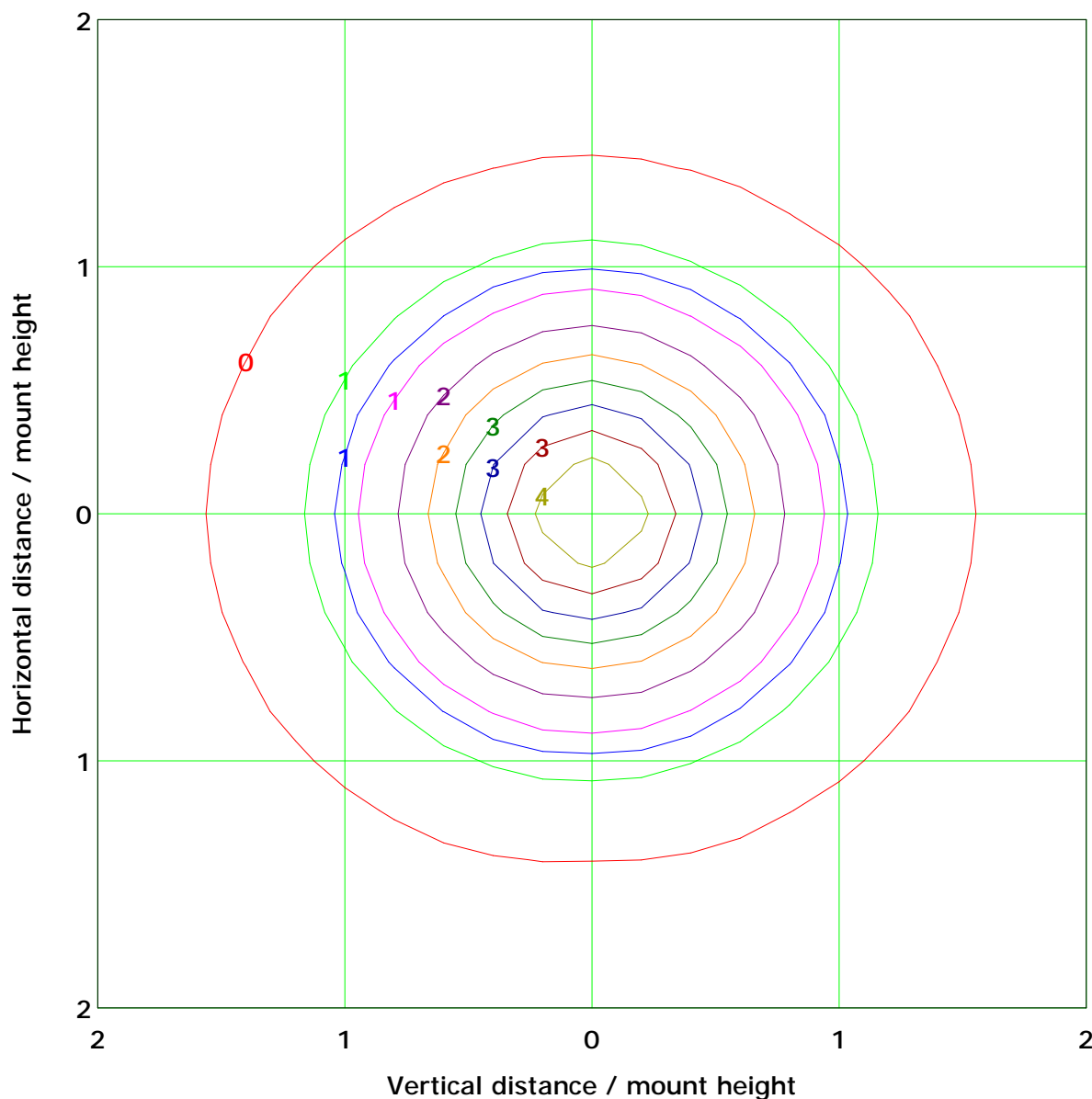
I_{max} (100%): 109 cd

(10%):	11 cd	(20%):	22 cd
(25%):	27 cd	(30%):	33 cd
(40%):	44 cd	(50%):	54 cd
(60%):	65 cd	(70%):	76 cd
(80%):	87 cd	(90%):	98 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 4.4 lx

(10%): 0.4 lx	(20%): 0.9 lx
(25%): 1.1 lx	(30%): 1.3 lx
(40%): 1.7 lx	(50%): 2.2 lx
(60%): 2.6 lx	(70%): 3.0 lx
(80%): 3.5 lx	(90%): 3.9 lx

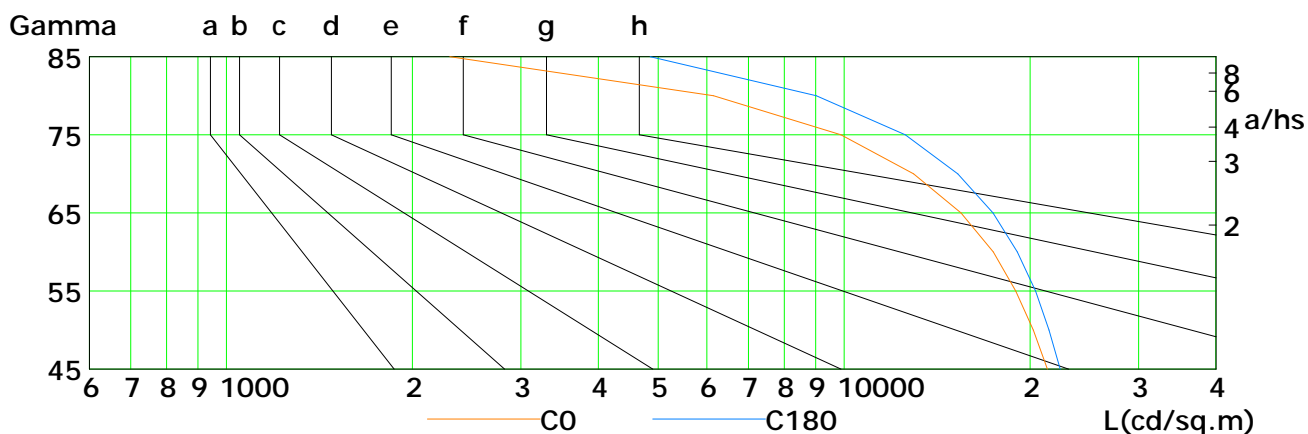
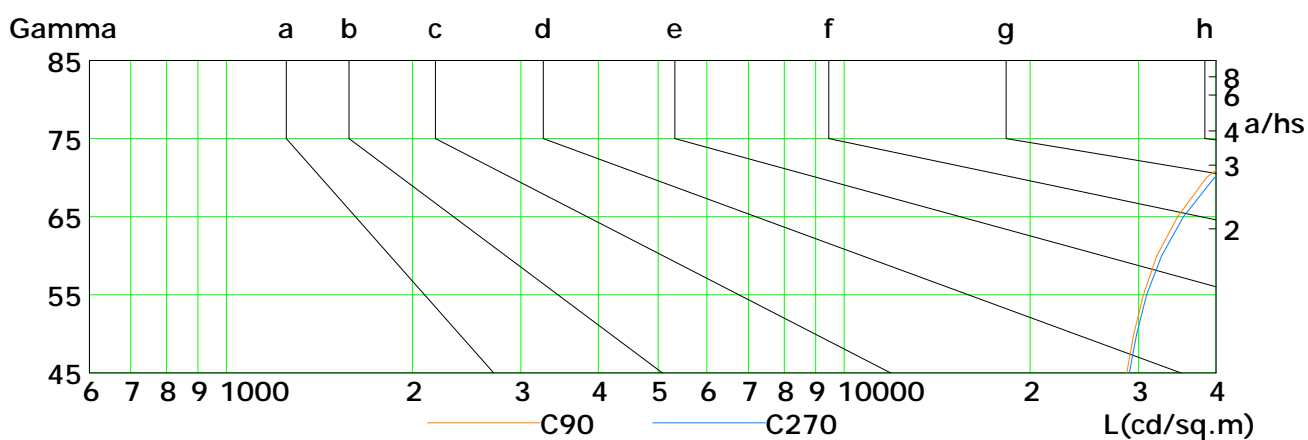
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
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

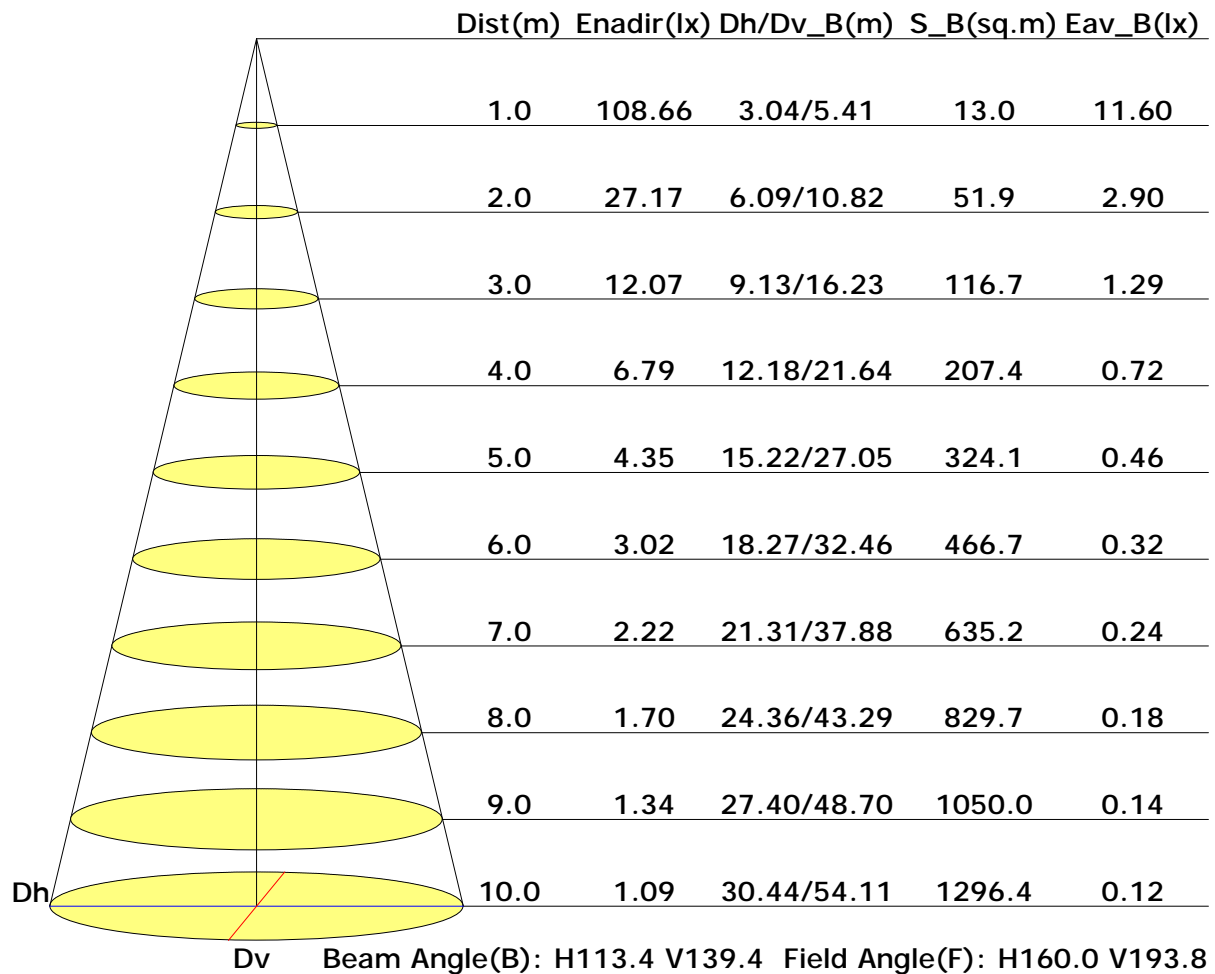


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	21341	20256	18967	17441	15467	12958	9888	6147	2300
C90	28697	29438	30541	32103	34667	38605	46071	61452	101643
C180	22386	21480	20418	19086	17416	15278	12564	9022	4855
C270	28965	29771	30901	32670	35437	39772	47857	64410	103057

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

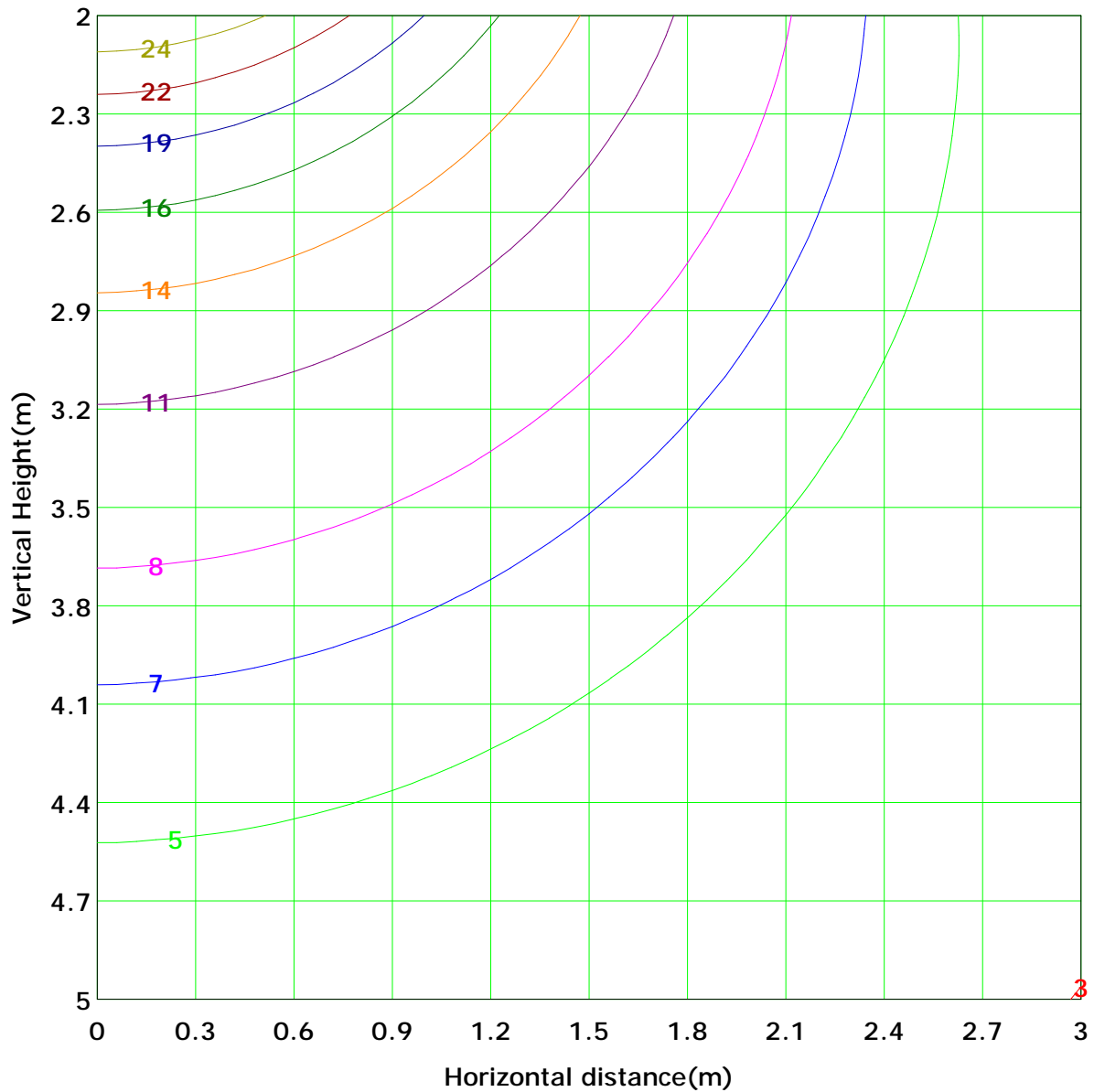
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 27.2 lx
(10%): 2.7 lx	(20%): 5.4 lx	
(25%): 6.8 lx	(30%): 8.1 lx	
(40%): 10.9 lx	(50%): 13.6 lx	
(60%): 16.3 lx	(70%): 19.0 lx	
(80%): 21.7 lx	(90%): 24.4 lx	

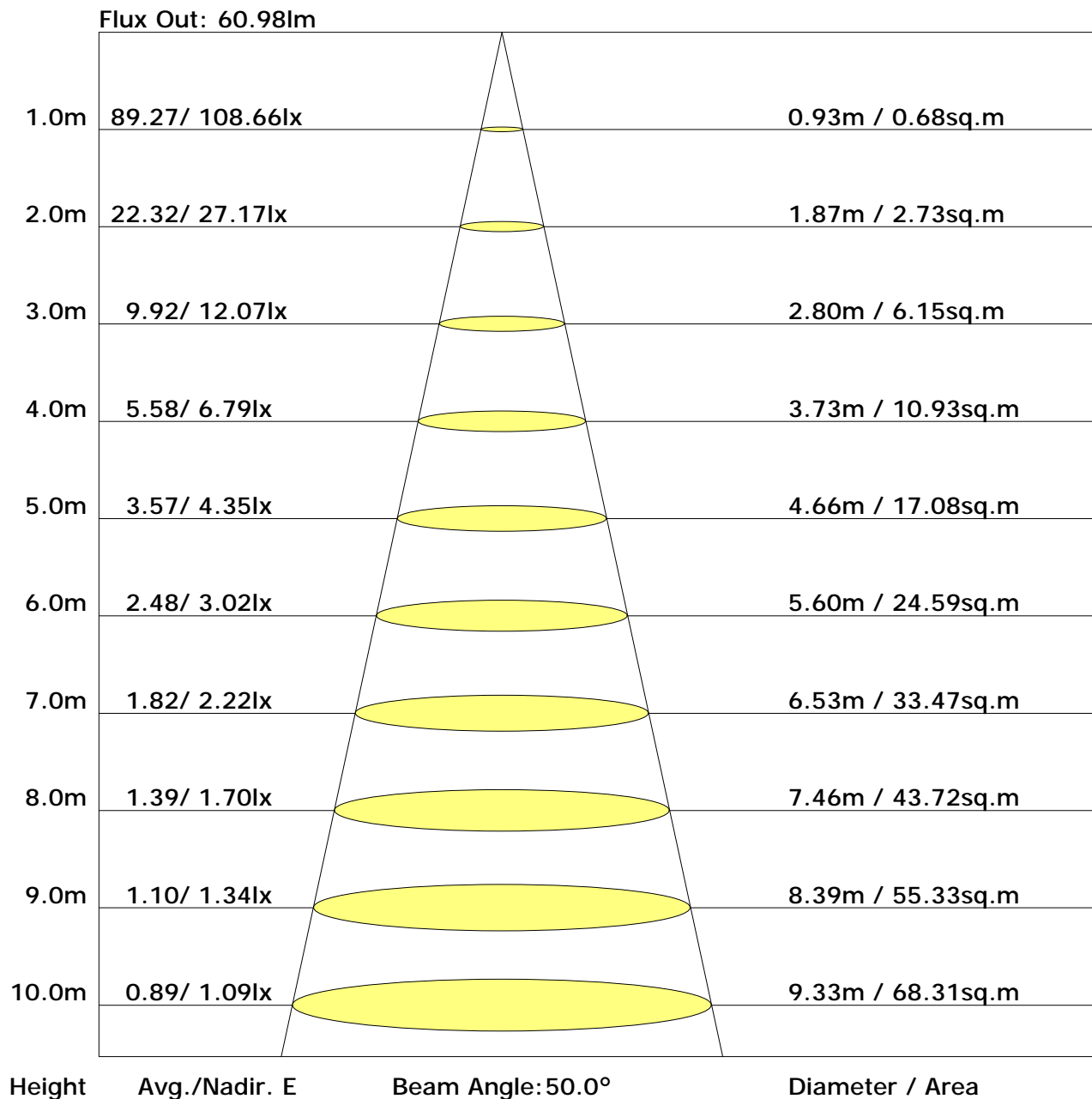
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

Gamma Plane (°):0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
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	25.6	27.3	26.1	27.7	28.1	26.4	28.1	26.8	28.4	28.8
3H	27.4	28.9	27.8	29.3	29.7	28.9	30.4	29.3	30.8	31.2
4H	28.0	29.5	28.5	29.9	30.3	30.0	31.5	30.5	31.9	32.3
6H	28.4	29.8	28.9	30.2	30.7	31.3	32.6	31.7	33.1	33.5
8H	28.5	29.8	29.0	30.3	30.7	31.9	33.2	32.3	33.6	34.1
12H	28.6	29.8	29.0	30.3	30.8	32.4	33.7	32.9	34.1	34.6
X=4H Y=2H	26.5	27.9	26.9	28.3	28.8	27.0	28.5	27.4	28.9	29.3
3H	28.5	29.8	29.0	30.2	30.7	29.8	31.0	30.2	31.5	31.9
4H	29.3	30.5	29.8	30.9	31.4	31.1	32.3	31.6	32.8	33.2
6H	29.9	30.9	30.4	31.4	31.9	32.6	33.6	33.1	34.1	34.6
8H	30.1	31.1	30.6	31.6	32.1	33.3	34.2	33.8	34.7	35.2
12H	30.2	31.1	30.8	31.6	32.2	33.9	34.8	34.5	35.3	35.9
X=8H Y=4H	30.0	31.0	30.5	31.5	32.0	31.5	32.5	32.0	33.0	33.5
6H	30.9	31.7	31.4	32.3	32.8	33.2	34.0	33.7	34.5	35.1
8H	31.3	32.0	31.8	32.5	33.1	34.0	34.8	34.6	35.3	35.9
12H	31.5	32.2	32.1	32.7	33.3	34.9	35.6	35.5	36.1	36.7
X=12H Y=4H	30.2	31.1	30.8	31.6	32.2	31.6	32.4	32.1	33.0	33.5
6H	31.2	32.0	31.8	32.5	33.1	33.3	34.1	33.9	34.6	35.2
8H	31.7	32.4	32.3	32.9	33.5	34.3	34.9	34.8	35.5	36.1

Calculate in accordance with CIE 190:2010

 C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

 Gamma Plane (°):0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.54	0.62	0.69	0.74	0.82	0.87	0.90	0.95	0.99	
	0.30		0.46	0.54	0.61	0.67	0.75	0.80	0.84	0.90	0.94	
	0.20		0.40	0.48	0.55	0.61	0.69	0.75	0.79	0.86	0.90	
0.50	0.50	0.20	0.52	0.60	0.66	0.71	0.78	0.83	0.86	0.91	0.94	
	0.30		0.45	0.52	0.60	0.65	0.72	0.77	0.81	0.86	0.90	
	0.20		0.40	0.47	0.54	0.59	0.67	0.73	0.77	0.83	0.87	
0.30	0.50	0.20	0.50	0.57	0.64	0.68	0.75	0.79	0.82	0.86	0.89	
	0.30		0.44	0.51	0.58	0.63	0.70	0.74	0.78	0.83	0.86	
	0.20		0.39	0.46	0.53	0.58	0.65	0.71	0.74	0.80	0.84	
0.00	0.00	0.00	0.37	0.43	0.50	0.55	0.61	0.66	0.70	0.75	0.78	
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												



Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	1.02	0.88	0.76	0.67	0.55	0.47	0.41	0.33	0.27	
	0.30		0.85	0.75	0.66	0.59	0.50	0.43	0.38	0.31	0.26	
	0.20		0.73	0.66	0.59	0.53	0.45	0.40	0.35	0.29	0.25	
0.50	0.50	0.20	0.98	0.84	0.72	0.64	0.53	0.48	0.39	0.31	0.26	
	0.30		0.83	0.73	0.64	0.58	0.48	0.41	0.36	0.29	0.25	
	0.20		0.72	0.65	0.57	0.52	0.44	0.38	0.34	0.28	0.24	
0.30	0.50	0.20	0.94	0.81	0.69	0.61	0.50	0.43	0.37	0.30	0.25	
	0.30		0.81	0.71	0.62	0.56	0.46	0.40	0.35	0.28	0.24	
	0.20		0.71	0.63	0.56	0.51	0.43	0.37	0.33	0.27	0.23	
0.00	0.00	0.00	0.60	0.54	0.47	0.43	0.36	0.31	0.27	0.22	0.19	
<p>Rating:5W 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 = 1.50									
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	0.19	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22	
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.09	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	108.8	0.1	0.1	0.03	0.03
1.0-2.0	108.7	0.3	0.4	0.08	0.11
2.0-3.0	108.7	0.5	0.9	0.14	0.24
3.0-4.0	108.6	0.7	1.7	0.19	0.43
4.0-5.0	108.4	0.9	2.6	0.24	0.68
5.0-6.0	108.3	1.1	3.7	0.30	0.97
6.0-7.0	108.1	1.3	5.1	0.35	1.32
7.0-8.0	107.8	1.5	6.6	0.40	1.73
8.0-9.0	107.5	1.7	8.4	0.45	2.18
9.0-10.0	107.2	1.9	10.3	0.51	2.69
10.0-11.0	106.9	2.1	12.4	0.56	3.24
11.0-12.0	106.5	2.3	14.8	0.61	3.85
12.0-13.0	106.1	2.5	17.3	0.66	4.51
13.0-14.0	105.7	2.7	20.0	0.71	5.21
14.0-15.0	105.2	2.9	22.9	0.75	5.96
15.0-16.0	104.7	3.1	26.0	0.80	6.76
16.0-17.0	104.2	3.2	29.2	0.85	7.61
17.0-18.0	103.6	3.4	32.6	0.89	8.50
18.0-19.0	103.0	3.6	36.2	0.93	9.44
19.0-20.0	102.4	3.7	39.9	0.98	10.41
20.0-21.0	101.8	3.9	43.9	1.02	11.43
21.0-22.0	101.1	4.1	47.9	1.06	12.49
22.0-23.0	100.4	4.2	52.1	1.10	13.59
23.0-24.0	99.6	4.4	56.5	1.14	14.72
24.0-25.0	98.8	4.5	61.0	1.17	15.90
25.0-26.0	98.0	4.6	65.6	1.21	17.10
26.0-27.0	97.2	4.8	70.4	1.24	18.34
27.0-28.0	96.3	4.9	75.2	1.27	19.61
28.0-29.0	95.4	5.0	80.2	1.30	20.91
29.0-30.0	94.5	5.1	85.3	1.33	22.25
30.0-31.0	93.6	5.2	90.5	1.36	23.60
31.0-32.0	92.6	5.3	95.9	1.38	24.99
32.0-33.0	91.7	5.4	101.3	1.41	26.39
33.0-34.0	90.6	5.5	106.7	1.43	27.82
34.0-35.0	89.6	5.6	112.3	1.45	29.28
35.0-36.0	88.5	5.6	117.9	1.47	30.74

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 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	87.5	5.7	123.7	1.49	32.23
37.0-38.0	86.4	5.8	129.4	1.50	33.74
38.0-39.0	85.3	5.8	135.2	1.52	35.25
39.0-40.0	84.1	5.9	141.1	1.53	36.78
40.0-41.0	83.0	5.9	147.0	1.54	38.32
41.0-42.0	81.8	5.9	153.0	1.55	39.87
42.0-43.0	80.6	6.0	158.9	1.56	41.43
43.0-44.0	79.3	6.0	164.9	1.56	42.99
44.0-45.0	78.1	6.0	170.9	1.56	44.55
45.0-46.0	76.8	6.0	176.9	1.57	46.12
46.0-47.0	75.6	6.0	182.9	1.57	47.69
47.0-48.0	74.2	6.0	188.9	1.56	49.25
48.0-49.0	72.9	6.0	194.9	1.56	50.81
49.0-50.0	71.6	6.0	200.9	1.56	52.37
50.0-51.0	70.2	5.9	206.8	1.55	53.92
51.0-52.0	68.9	5.9	212.8	1.54	55.46
52.0-53.0	67.5	5.9	218.6	1.53	56.99
53.0-54.0	66.1	5.8	224.5	1.52	58.51
54.0-55.0	64.7	5.8	230.2	1.51	60.02
55.0-56.0	63.3	5.7	236.0	1.49	61.51
56.0-57.0	61.9	5.7	241.6	1.48	62.98
57.0-58.0	60.5	5.6	247.2	1.46	64.44
58.0-59.0	59.1	5.5	252.7	1.44	65.88
59.0-60.0	57.7	5.4	258.2	1.42	67.30
60.0-61.0	56.2	5.4	263.6	1.40	68.70
61.0-62.0	54.8	5.3	268.8	1.38	70.08
62.0-63.0	53.4	5.2	274.0	1.35	71.43
63.0-64.0	51.9	5.1	279.1	1.33	72.76
64.0-65.0	50.5	5.0	284.1	1.30	74.06
65.0-66.0	49.1	4.9	289.0	1.28	75.34
66.0-67.0	47.7	4.8	293.8	1.25	76.59
67.0-68.0	46.3	4.7	298.5	1.22	77.81
68.0-69.0	44.9	4.6	303.1	1.19	79.01
69.0-70.0	43.4	4.5	307.6	1.16	80.17
70.0-71.0	42.1	4.3	311.9	1.13	81.30
71.0-72.0	40.7	4.2	316.1	1.10	82.41

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	39.4	4.1	320.3	1.07	83.48
73.0-74.0	38.0	4.0	324.3	1.04	84.52
74.0-75.0	36.8	3.9	328.1	1.01	85.53
75.0-76.0	35.5	3.8	331.9	0.98	86.52
76.0-77.0	34.3	3.7	335.6	0.95	87.47
77.0-78.0	33.1	3.5	339.1	0.92	88.39
78.0-79.0	31.9	3.4	342.5	0.89	89.29
79.0-80.0	30.7	3.3	345.9	0.86	90.15
80.0-81.0	29.6	3.2	349.1	0.83	90.99
81.0-82.0	28.4	3.1	352.1	0.80	91.79
82.0-83.0	27.1	2.9	355.1	0.77	92.56
83.0-84.0	25.7	2.8	357.9	0.73	93.29
84.0-85.0	24.3	2.7	360.5	0.69	93.98
85.0-86.0	22.8	2.5	363.0	0.65	94.63
86.0-87.0	21.3	2.3	365.4	0.61	95.24
87.0-88.0	19.8	2.2	367.5	0.57	95.80
88.0-89.0	18.5	2.0	369.6	0.53	96.33
89.0-90.0	17.2	1.9	371.4	0.49	96.82
90.0-91.0	15.9	1.7	373.2	0.45	97.28
91.0-92.0	14.2	1.6	374.8	0.41	97.68
92.0-93.0	12.1	1.3	376.1	0.35	98.03
93.0-94.0	9.8	1.1	377.2	0.28	98.31
94.0-95.0	7.7	0.8	378.0	0.22	98.53
95.0-96.0	5.8	0.6	378.6	0.17	98.70
96.0-97.0	4.4	0.5	379.1	0.12	98.82
97.0-98.0	3.3	0.4	379.5	0.09	98.92
98.0-99.0	2.5	0.3	379.7	0.07	98.99
99.0-100.0	1.9	0.2	380.0	0.05	99.04
100.0-101.0	1.5	0.2	380.1	0.04	99.08
101.0-102.0	1.2	0.1	380.3	0.03	99.12
102.0-103.0	1.0	0.1	380.4	0.03	99.15
103.0-104.0	0.8	0.1	380.4	0.02	99.17
104.0-105.0	0.7	0.1	380.5	0.02	99.19
105.0-106.0	0.6	0.1	380.6	0.02	99.20
106.0-107.0	0.5	0.1	380.6	0.01	99.22
107.0-108.0	0.5	0.1	380.7	0.01	99.23

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.5	0.1	380.7	0.01	99.24
109.0-110.0	0.5	0.1	380.8	0.01	99.26
110.0-111.0	0.5	0.1	380.8	0.01	99.27
111.0-112.0	0.5	0.0	380.9	0.01	99.28
112.0-113.0	0.5	0.0	380.9	0.01	99.29
113.0-114.0	0.5	0.1	381.0	0.01	99.31
114.0-115.0	0.5	0.1	381.0	0.01	99.32
115.0-116.0	0.5	0.1	381.1	0.01	99.34
116.0-117.0	0.5	0.1	381.1	0.01	99.35
117.0-118.0	0.6	0.1	381.2	0.01	99.36
118.0-119.0	0.6	0.1	381.3	0.01	99.38
119.0-120.0	0.6	0.1	381.3	0.01	99.39
120.0-121.0	0.6	0.1	381.4	0.01	99.41
121.0-122.0	0.6	0.1	381.4	0.01	99.42
122.0-123.0	0.6	0.1	381.5	0.01	99.44
123.0-124.0	0.6	0.1	381.5	0.01	99.45
124.0-125.0	0.6	0.1	381.6	0.01	99.46
125.0-126.0	0.6	0.1	381.6	0.01	99.48
126.0-127.0	0.6	0.1	381.7	0.01	99.49
127.0-128.0	0.6	0.1	381.7	0.01	99.51
128.0-129.0	0.7	0.1	381.8	0.01	99.52
129.0-130.0	0.7	0.1	381.9	0.01	99.54
130.0-131.0	0.7	0.1	381.9	0.01	99.55
131.0-132.0	0.7	0.1	382.0	0.01	99.57
132.0-133.0	0.7	0.1	382.0	0.01	99.58
133.0-134.0	0.7	0.1	382.1	0.01	99.59
134.0-135.0	0.7	0.1	382.1	0.01	99.61
135.0-136.0	0.7	0.1	382.2	0.01	99.62
136.0-137.0	0.7	0.1	382.2	0.01	99.64
137.0-138.0	0.7	0.1	382.3	0.01	99.65
138.0-139.0	0.7	0.1	382.4	0.01	99.67
139.0-140.0	0.8	0.1	382.4	0.01	99.68
140.0-141.0	0.8	0.1	382.5	0.01	99.69
141.0-142.0	0.8	0.1	382.5	0.01	99.71
142.0-143.0	0.8	0.1	382.6	0.01	99.72
143.0-144.0	0.8	0.1	382.6	0.01	99.73

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.8	0.0	382.7	0.01	99.75
145.0-146.0	0.8	0.0	382.7	0.01	99.76
146.0-147.0	0.8	0.0	382.8	0.01	99.77
147.0-148.0	0.8	0.0	382.8	0.01	99.78
148.0-149.0	0.8	0.0	382.9	0.01	99.80
149.0-150.0	0.8	0.0	382.9	0.01	99.81
150.0-151.0	0.8	0.0	382.9	0.01	99.82
151.0-152.0	0.8	0.0	383.0	0.01	99.83
152.0-153.0	0.8	0.0	383.0	0.01	99.84
153.0-154.0	0.8	0.0	383.1	0.01	99.85
154.0-155.0	0.8	0.0	383.1	0.01	99.86
155.0-156.0	0.8	0.0	383.1	0.01	99.87
156.0-157.0	0.9	0.0	383.2	0.01	99.88
157.0-158.0	0.9	0.0	383.2	0.01	99.89
158.0-159.0	0.9	0.0	383.3	0.01	99.90
159.0-160.0	0.9	0.0	383.3	0.01	99.91
160.0-161.0	0.9	0.0	383.3	0.01	99.92
161.0-162.0	0.9	0.0	383.4	0.01	99.93
162.0-163.0	0.9	0.0	383.4	0.01	99.93
163.0-164.0	0.9	0.0	383.4	0.01	99.94
164.0-165.0	0.9	0.0	383.4	0.01	99.95
165.0-166.0	0.9	0.0	383.5	0.01	99.95
166.0-167.0	0.9	0.0	383.5	0.01	99.96
167.0-168.0	0.9	0.0	383.5	0.01	99.97
168.0-169.0	0.9	0.0	383.5	0.01	99.97
169.0-170.0	0.9	0.0	383.5	0.00	99.98
170.0-171.0	0.9	0.0	383.6	0.00	99.98
171.0-172.0	0.9	0.0	383.6	0.00	99.99
172.0-173.0	0.9	0.0	383.6	0.00	99.99
173.0-174.0	0.9	0.0	383.6	0.00	99.99
174.0-175.0	0.9	0.0	383.6	0.00	99.99
175.0-176.0	0.9	0.0	383.6	0.00	100.00
176.0-177.0	0.9	0.0	383.6	0.00	100.00
177.0-178.0	0.9	0.0	383.6	0.00	100.00
178.0-179.0	1.0	0.0	383.6	0.00	100.00
179.0-180.0	1.0	0.0	383.6	0.00	100.00

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector: