

Report No.:

Test Time: 2021/11/16 15:16

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: COB RIBBONLYTE

Lamp Catalog: FCOB-24V-D480-4000-10W-8MM-IP20 RA>90

Lamp Description: 4000K

Luminous Length (mm): 500

Luminous Height (mm): 1.5

Current: 0.224 A

Power Factor: 1.000

Luminaire Description: RB90LINEA203.040

Number of Lamps: 480/M

Luminous Width (mm): 8

Voltage: 24.0 V

Power: 5.37 W

Photometric Results

CIE Class: Direct

Measurement Flux: 440.1 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(10%,50%): H160.1,H114

Vertical Diffuse Angle(10%,50%): V193.8,V143.3

Luminaire Efficacy Rating (LER): 82

Max. Intensity: 123 cd

Total Rated Lamp Lumens: 440.1 lm

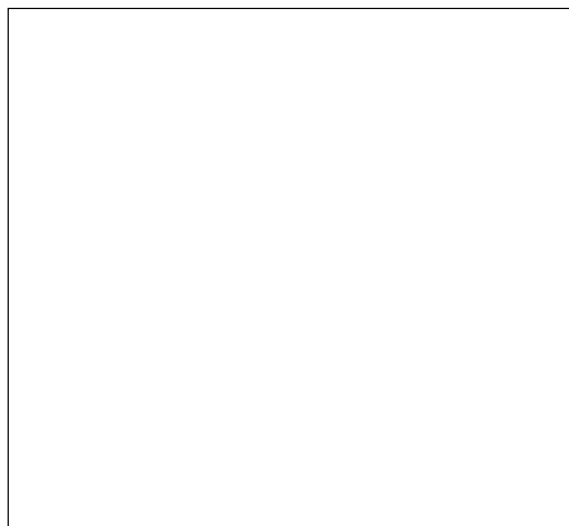
Efficiency: 100%

Upward Ratio: 3%

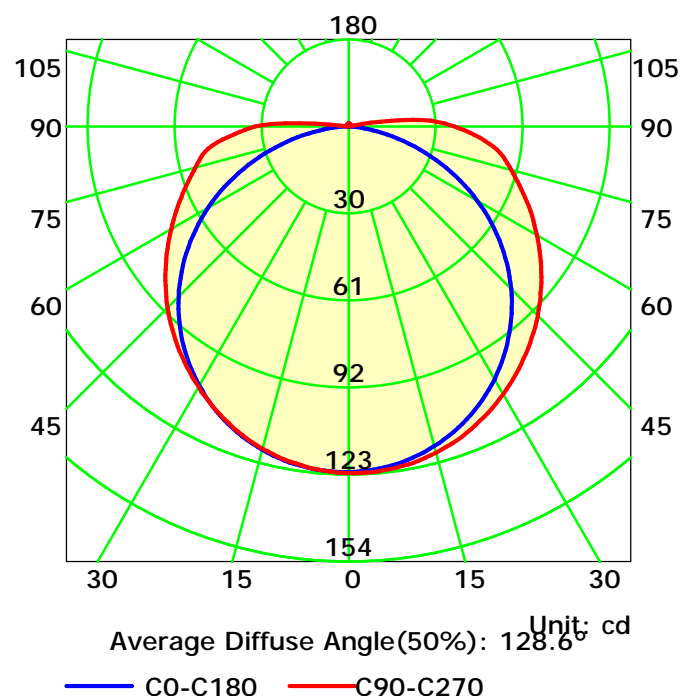
Central Intensity: 122.55 cd

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

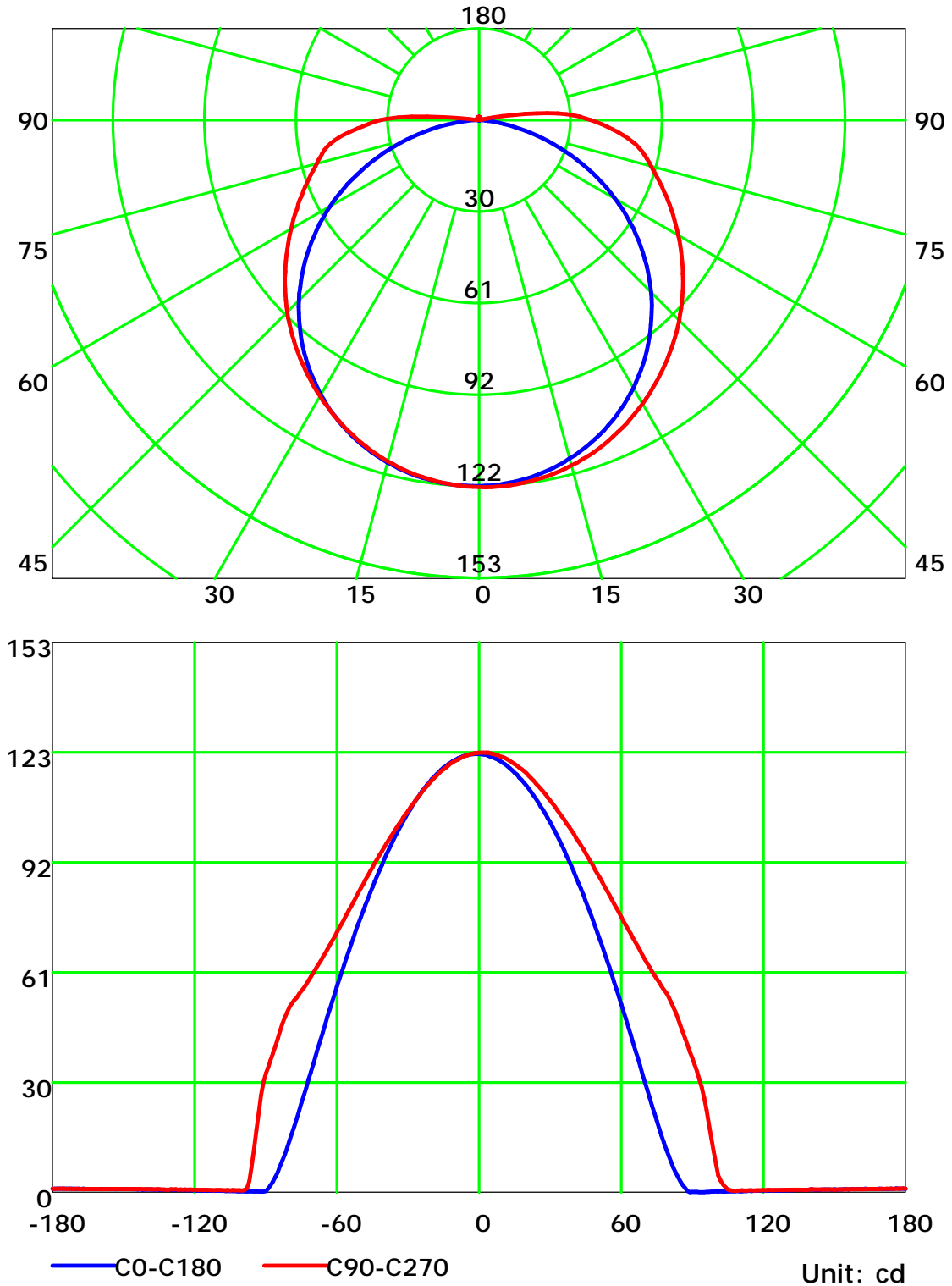
Distance: 9.028 m

Humidity: 60%

Inspector:



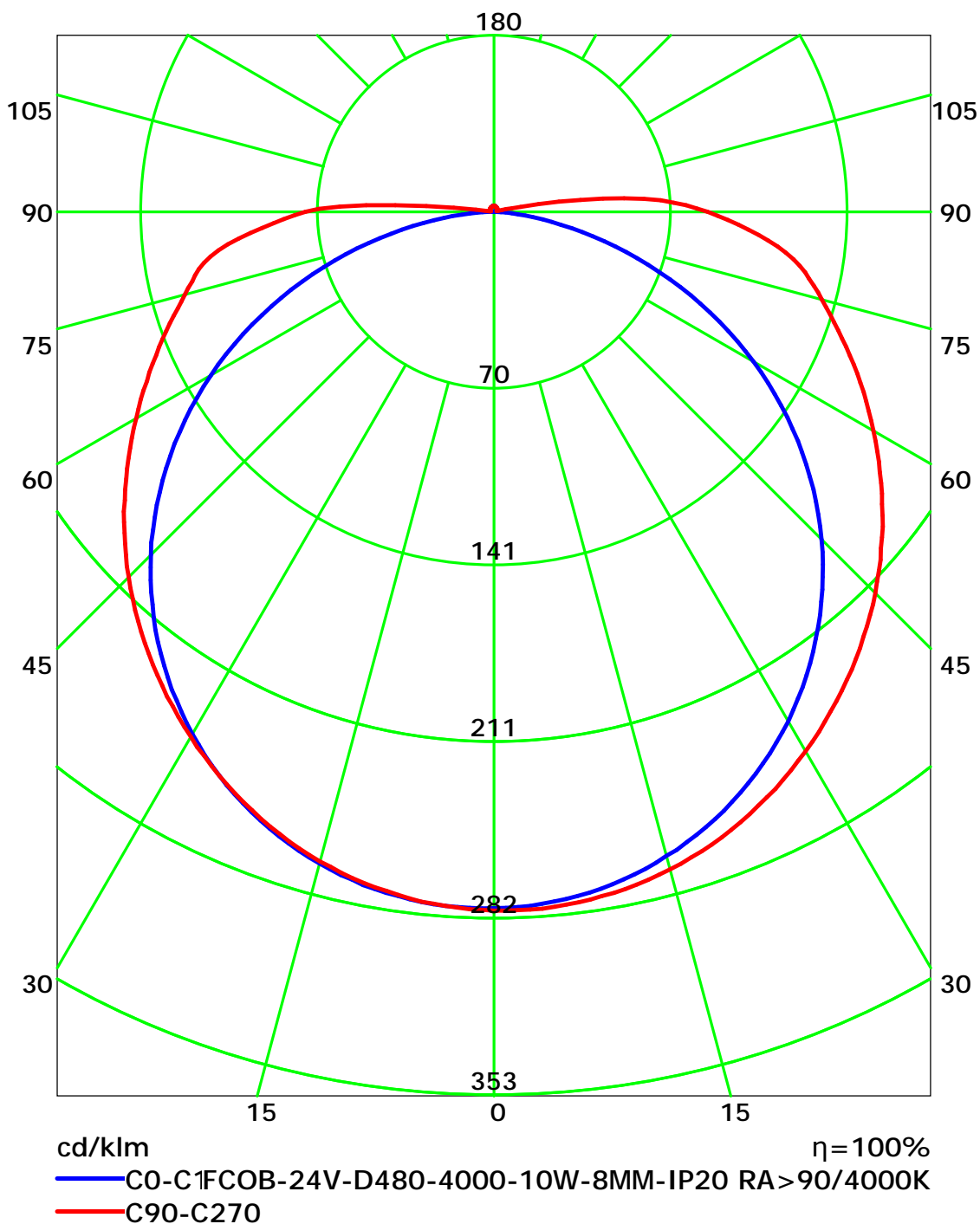
Luminous Intensity Distribution Curve



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:

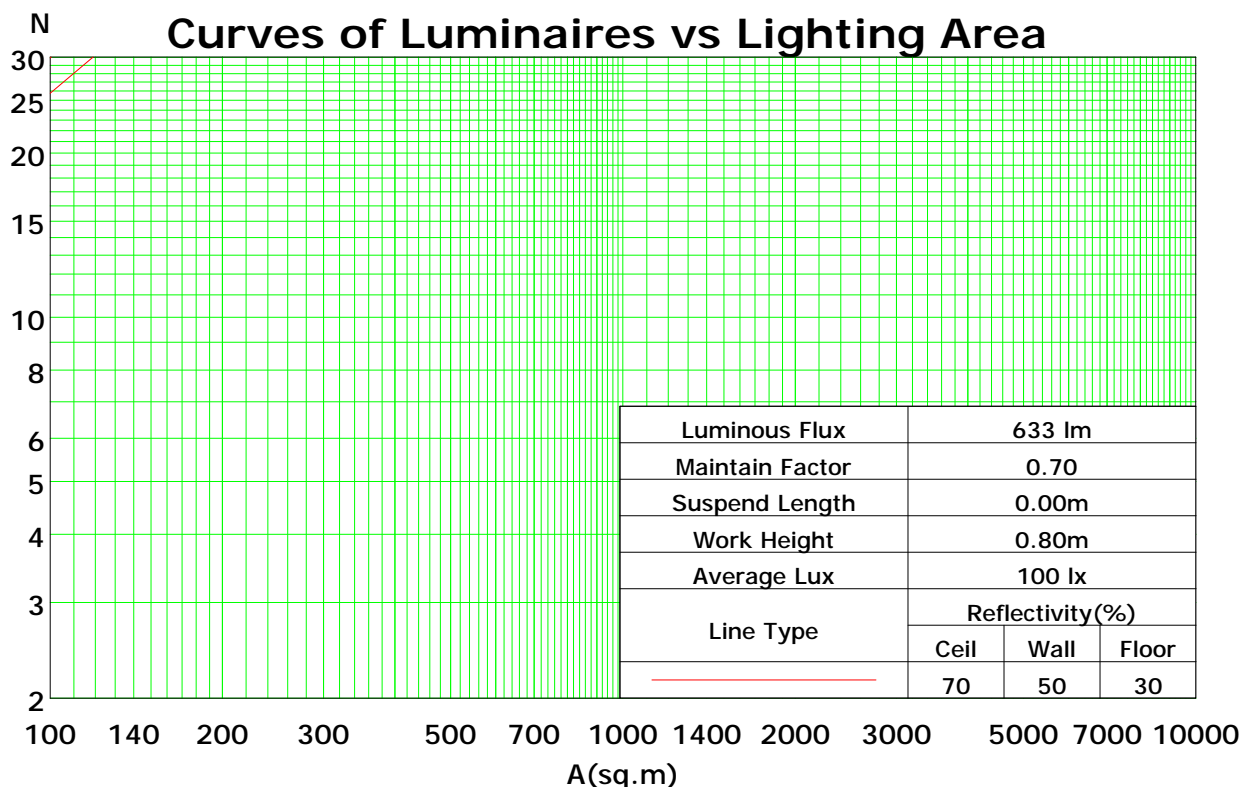
Coefficients Of Utilization - Zonal Cavity Method

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	99	94	89	102	97	92	87	92	88	84	87	84	81	83	80	78	75
2	95	85	77	71	92	83	76	69	79	73	67	75	70	65	71	67	63	61
3	86	74	65	58	83	72	64	57	69	61	55	65	59	54	62	57	53	50
4	78	65	55	48	76	63	55	48	60	53	47	58	51	46	55	49	45	42
5	72	58	48	41	69	57	47	41	54	46	40	52	45	39	49	43	38	36
6	66	52	42	36	64	51	42	35	49	41	35	47	39	34	45	38	34	31
7	61	47	38	31	59	46	37	31	44	36	30	42	35	30	41	34	30	27
8	57	43	34	28	55	42	33	28	40	33	27	39	32	27	37	31	26	24
9	53	39	31	25	51	38	30	25	37	30	24	36	29	24	34	28	24	22
10	50	36	28	22	48	35	28	22	34	27	22	33	26	22	32	26	22	20

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.31

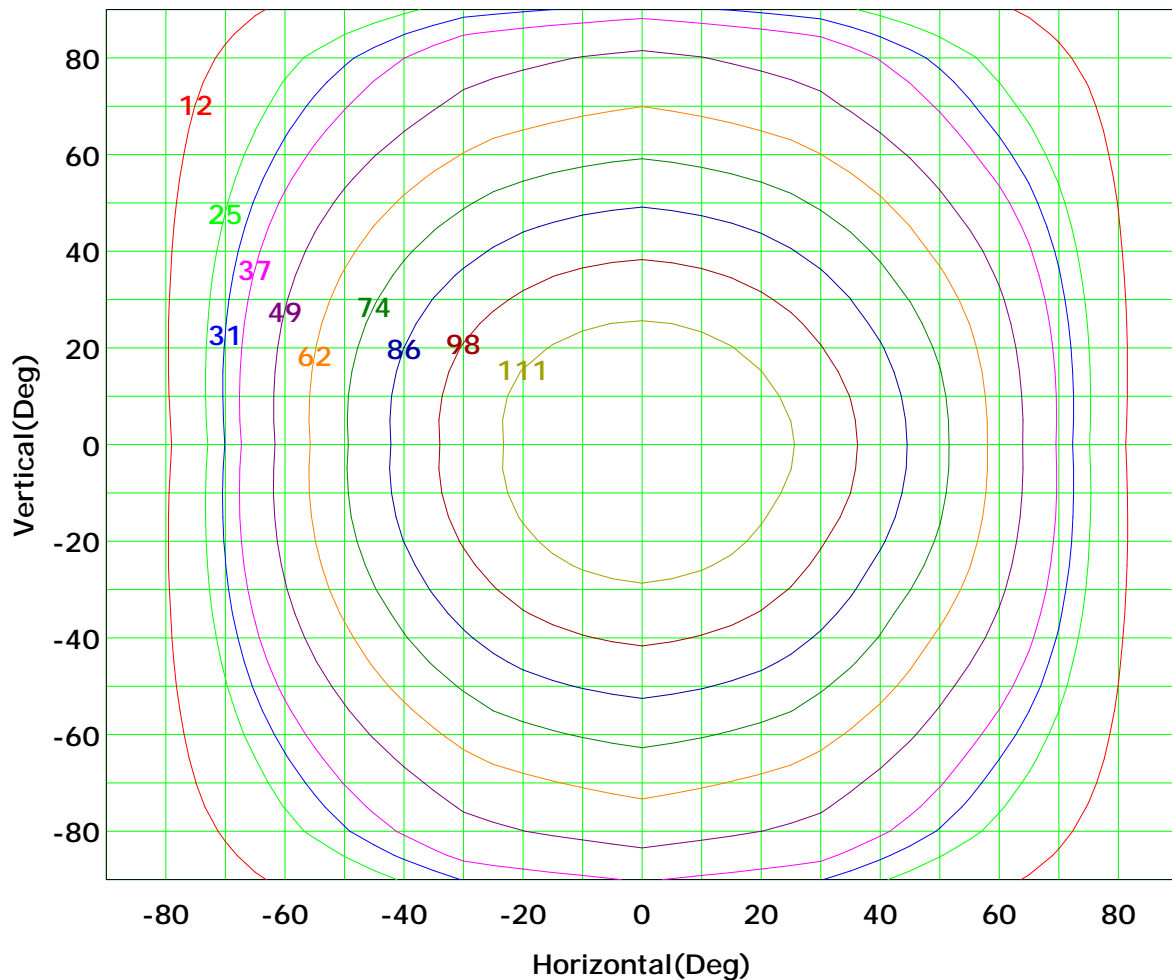
Spacing Criteria (Diagonal): 1.43



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)



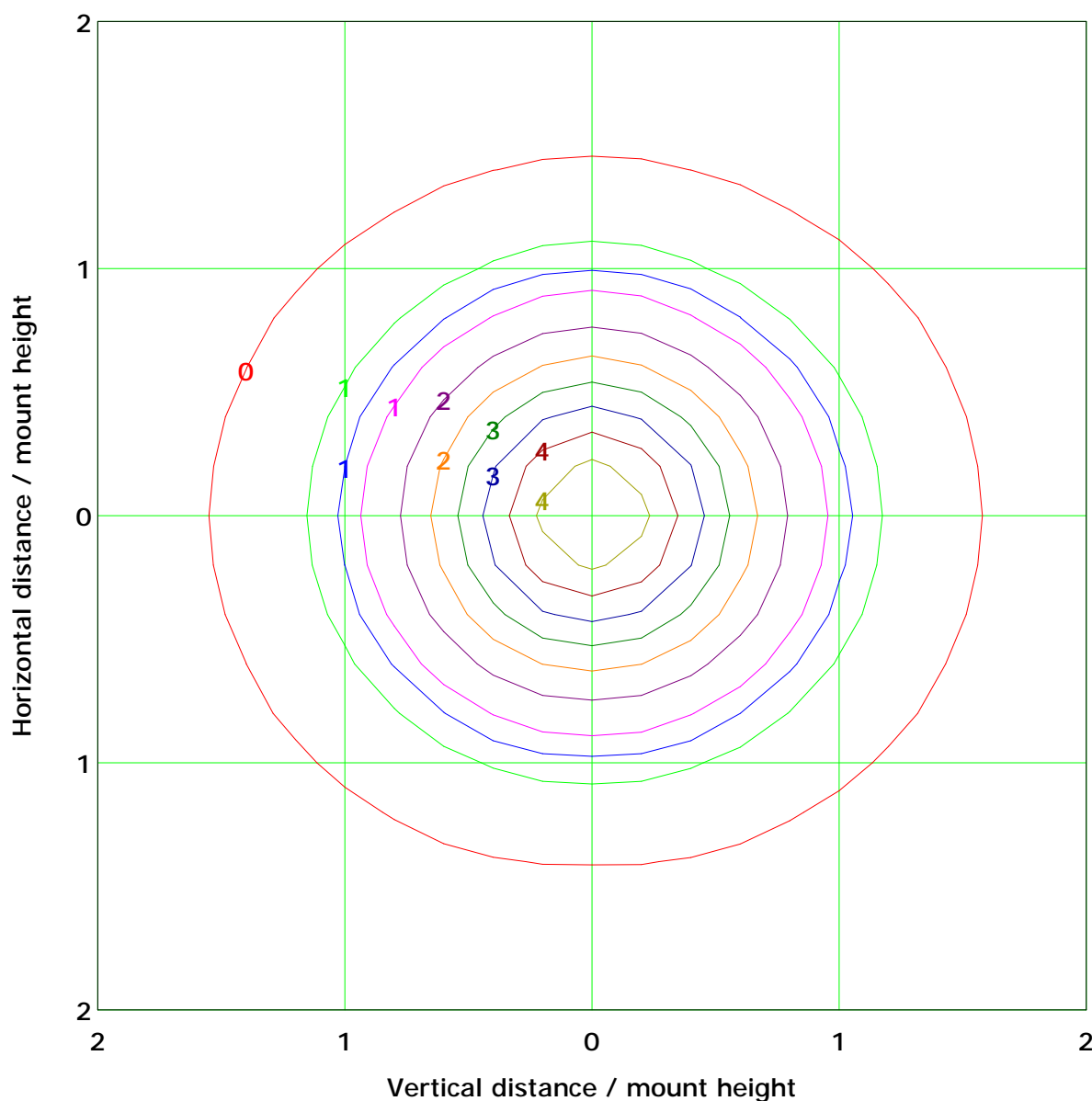
I_{max} (100%): 123 cd

(10%):	12 cd	(20%):	25 cd
(25%):	31 cd	(30%):	37 cd
(40%):	49 cd	(50%):	62 cd
(60%):	74 cd	(70%):	86 cd
(80%):	98 cd	(90%):	111 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%): 4.9 lx

(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.2 lx	(30%): 1.5 lx
(40%): 2.0 lx	(50%): 2.5 lx
(60%): 3.0 lx	(70%): 3.4 lx
(80%): 3.9 lx	(90%): 4.4 lx

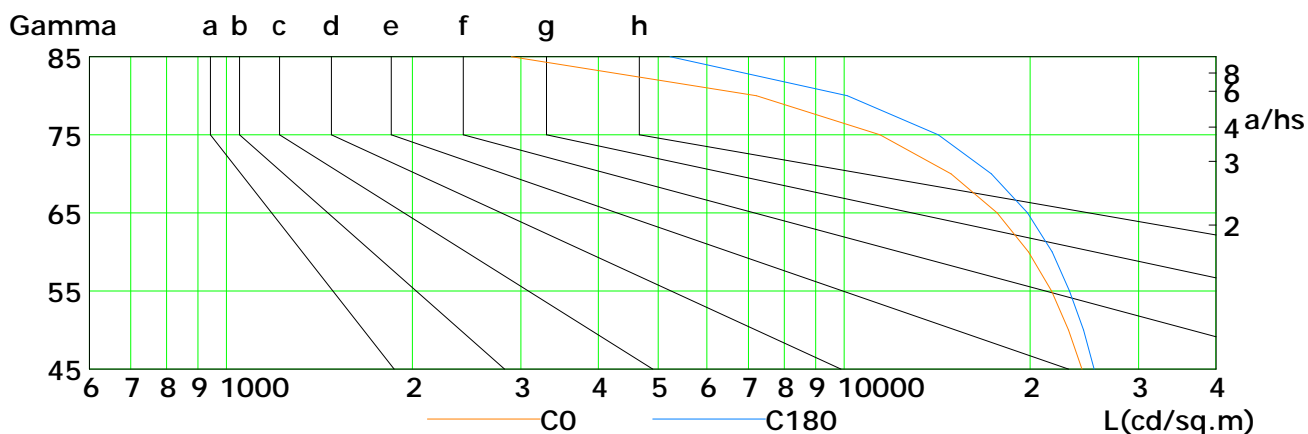
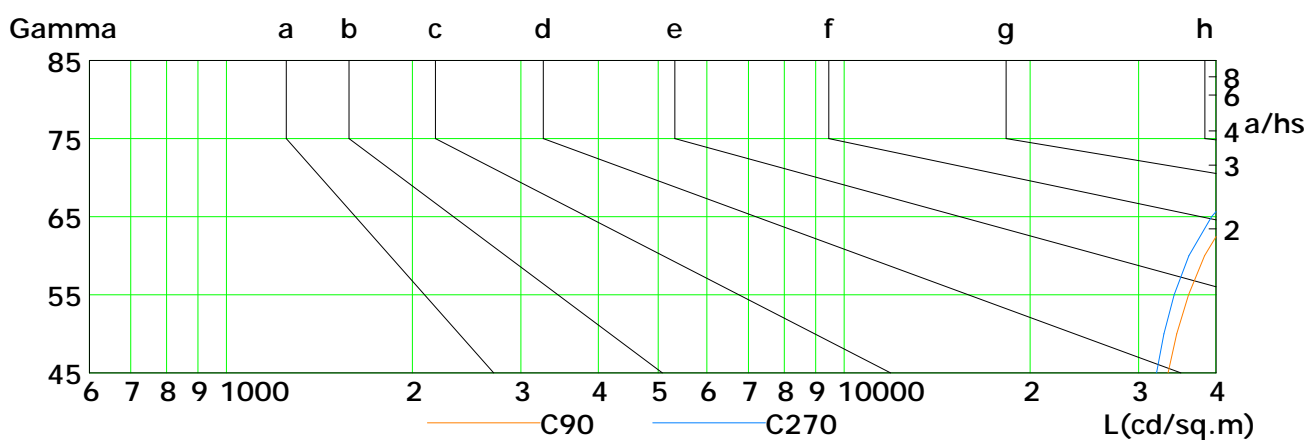
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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

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

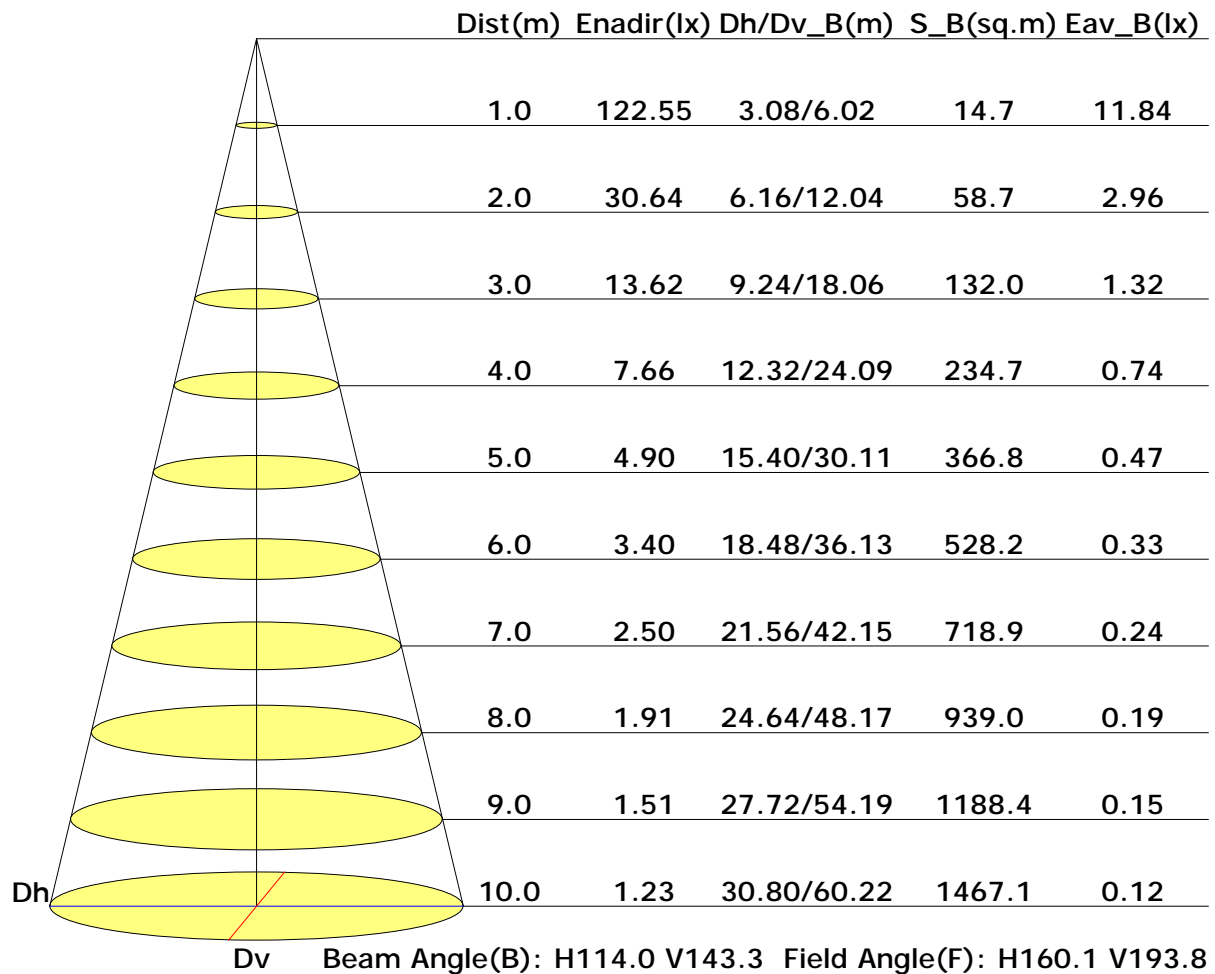


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	24283	23079	21673	19883	17703	14897	11439	7215	2893
C90	33462	34542	36109	38346	41820	47268	57046	77320	129709
C180	25417	24418	23186	21732	19813	17319	14212	10131	5229
C270	32052	32945	34221	36167	39345	44521	53846	73371	119336

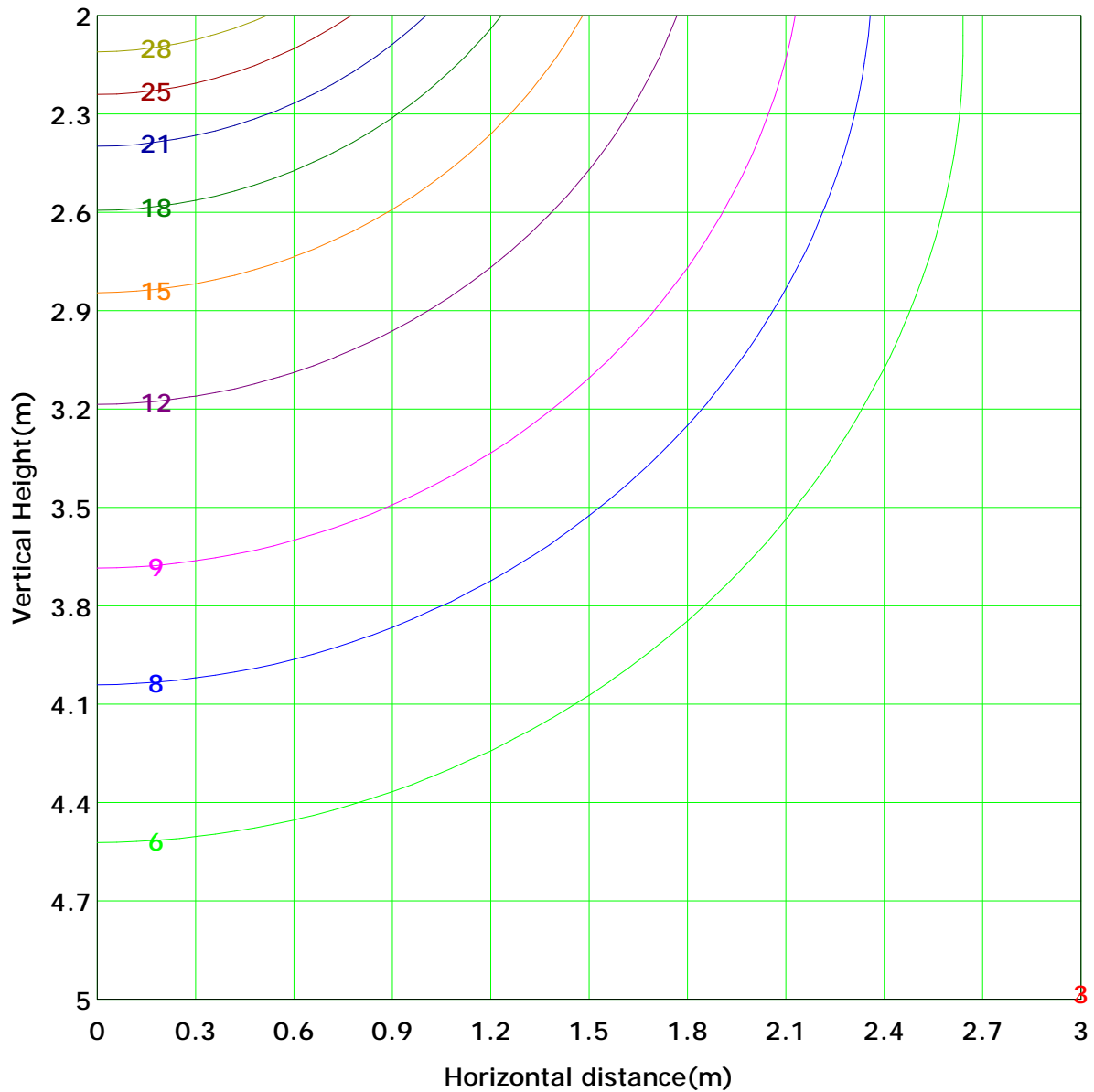
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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: 30.6 lx
(10%): 3.1 lx	(20%): 6.1 lx	
(25%): 7.7 lx	(30%): 9.2 lx	
(40%): 12.3 lx	(50%): 15.3 lx	
(60%): 18.4 lx	(70%): 21.4 lx	
(80%): 24.5 lx	(90%): 27.6 lx	

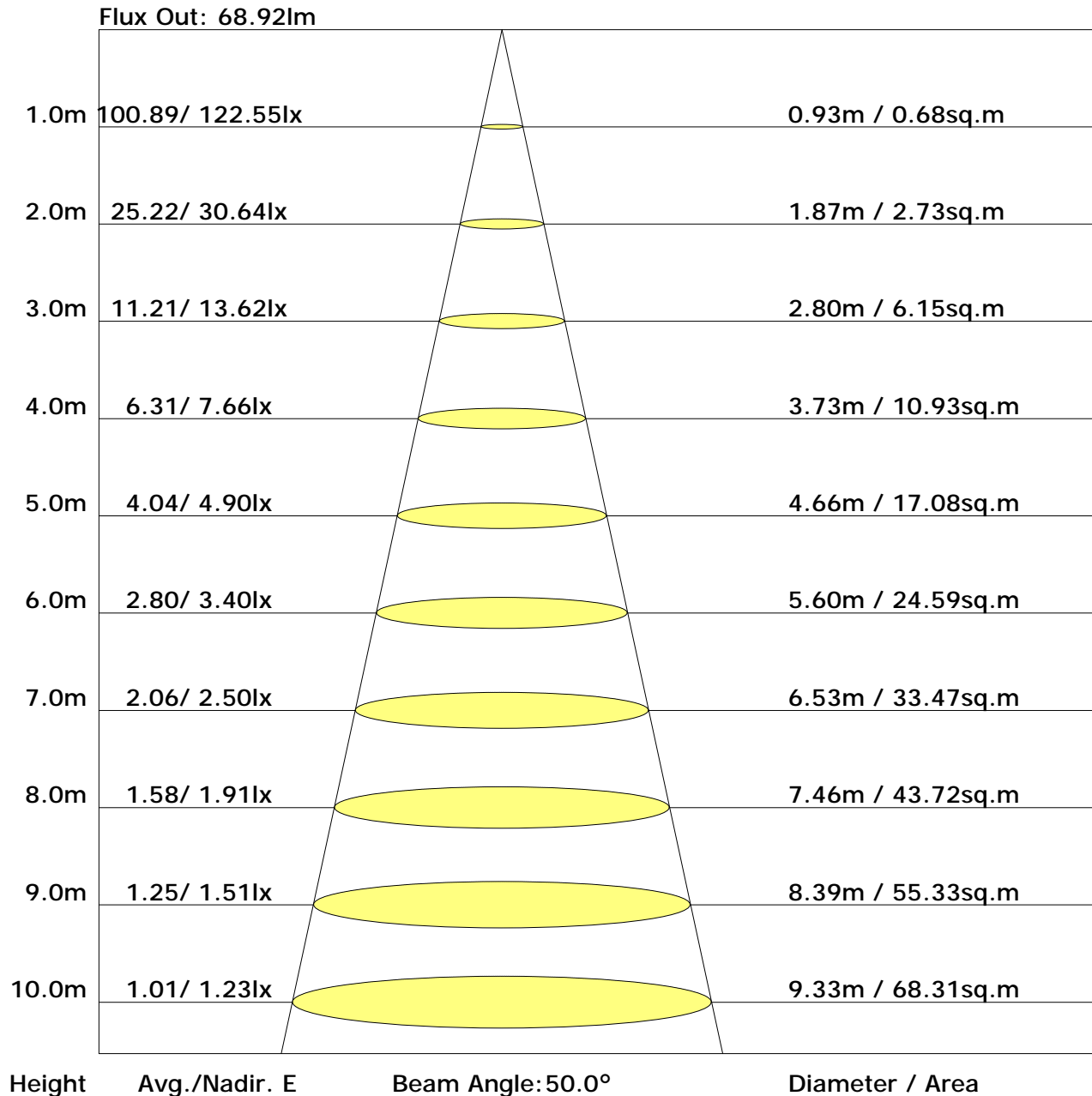
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Kerr

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	26.0	27.7	28.0	26.6	28.3	27.0	28.7	29.0
3H	27.4	28.9	27.8	29.3	29.7	29.2	30.7	29.6	31.1	31.5
4H	28.0	29.5	28.5	29.9	30.3	30.4	31.9	30.9	32.3	32.7
6H	28.4	29.8	28.9	30.2	30.7	31.7	33.1	32.2	33.5	34.0
8H	28.6	29.9	29.0	30.3	30.8	32.4	33.7	32.8	34.1	34.6
12H	28.6	29.9	29.1	30.3	30.8	33.0	34.2	33.4	34.7	35.1
X=4H Y=2H	26.5	27.9	26.9	28.3	28.8	27.2	28.7	27.7	29.1	29.6
3H	28.5	29.8	29.0	30.2	30.7	30.1	31.4	30.6	31.8	32.3
4H	29.4	30.5	29.8	31.0	31.5	31.5	32.7	32.0	33.2	33.7
6H	30.0	31.0	30.5	31.5	32.0	33.0	34.1	33.5	34.6	35.1
8H	30.2	31.1	30.7	31.6	32.2	33.8	34.7	34.3	35.2	35.8
12H	30.3	31.2	30.8	31.7	32.2	34.5	35.4	35.0	35.9	36.4
X=8H Y=4H	30.1	31.1	30.6	31.6	32.1	31.9	32.9	32.4	33.4	33.9
6H	31.0	31.8	31.5	32.4	32.9	33.7	34.5	34.2	35.0	35.6
8H	31.4	32.1	31.9	32.7	33.2	34.6	35.3	35.1	35.9	36.4
12H	31.7	32.3	32.2	32.9	33.5	35.5	36.2	36.0	36.7	37.3
X=12H Y=4H	30.3	31.2	30.8	31.7	32.2	32.0	32.9	32.5	33.4	33.9
6H	31.4	32.1	31.9	32.6	33.2	33.8	34.6	34.4	35.1	35.7
8H	31.9	32.5	32.4	33.1	33.7	34.8	35.5	35.3	36.0	36.6

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	0.81	0.86	0.90	0.95	0.98	
	0.30		0.46	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.94	
	0.20		0.40	0.47	0.55	0.60	0.68	0.74	0.79	0.85	0.90	
0.50	0.50	0.20	0.52	0.59	0.66	0.71	0.78	0.82	0.86	0.90	0.93	
	0.30		0.44	0.52	0.59	0.64	0.72	0.77	0.81	0.86	0.90	
	0.20		0.39	0.46	0.54	0.59	0.66	0.72	0.76	0.82	0.86	
0.30	0.50	0.20	0.50	0.57	0.63	0.68	0.74	0.79	0.82	0.86	0.89	
	0.30		0.44	0.51	0.57	0.62	0.69	0.74	0.78	0.83	0.86	
	0.20		0.39	0.45	0.52	0.57	0.65	0.70	0.74	0.79	0.83	
0.00	0.00	0.00	0.36	0.43	0.49	0.54	0.61	0.66	0.69	0.74	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	0.89	0.76	0.68	0.56	0.47	0.41	0.33	0.27	
	0.30		0.85	0.76	0.67	0.60	0.50	0.43	0.38	0.31	0.26	
	0.20		0.73	0.66	0.59	0.54	0.46	0.40	0.36	0.29	0.25	
0.50	0.50	0.20	0.98	0.85	0.73	0.65	0.53	0.48	0.39	0.32	0.26	
	0.30		0.83	0.74	0.65	0.58	0.49	0.42	0.37	0.30	0.25	
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.28	0.24	
0.30	0.50	0.20	0.95	0.81	0.70	0.62	0.51	0.43	0.38	0.30	0.25	
	0.30		0.81	0.72	0.63	0.56	0.47	0.40	0.36	0.29	0.24	
	0.20		0.71	0.64	0.57	0.51	0.44	0.38	0.34	0.28	0.23	
0.00	0.00	0.00	0.61	0.54	0.48	0.43	0.36	0.31	0.28	0.23	0.19	
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(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	0.22	0.22	0.22	0.23	0.23
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	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	122.8	0.1	0.1	0.03	0.03
1.0-2.0	122.8	0.4	0.5	0.08	0.11
2.0-3.0	122.7	0.6	1.1	0.13	0.24
3.0-4.0	122.6	0.8	1.9	0.19	0.43
4.0-5.0	122.4	1.1	2.9	0.24	0.67
5.0-6.0	122.2	1.3	4.2	0.29	0.96
6.0-7.0	122.0	1.5	5.7	0.34	1.30
7.0-8.0	121.8	1.7	7.5	0.40	1.70
8.0-9.0	121.5	2.0	9.4	0.45	2.15
9.0-10.0	121.1	2.2	11.6	0.50	2.64
10.0-11.0	120.8	2.4	14.0	0.55	3.19
11.0-12.0	120.3	2.6	16.7	0.60	3.79
12.0-13.0	119.9	2.8	19.5	0.65	4.44
13.0-14.0	119.4	3.1	22.6	0.69	5.13
14.0-15.0	118.9	3.3	25.8	0.74	5.87
15.0-16.0	118.3	3.5	29.3	0.79	6.66
16.0-17.0	117.8	3.7	33.0	0.83	7.49
17.0-18.0	117.1	3.9	36.8	0.88	8.37
18.0-19.0	116.5	4.1	40.9	0.92	9.29
19.0-20.0	115.8	4.2	45.1	0.96	10.26
20.0-21.0	115.1	4.4	49.6	1.00	11.26
21.0-22.0	114.3	4.6	54.1	1.04	12.30
22.0-23.0	113.5	4.8	58.9	1.08	13.39
23.0-24.0	112.7	4.9	63.8	1.12	14.50
24.0-25.0	111.8	5.1	68.9	1.16	15.66
25.0-26.0	110.9	5.2	74.2	1.19	16.85
26.0-27.0	110.0	5.4	79.5	1.22	18.07
27.0-28.0	109.0	5.5	85.1	1.25	19.33
28.0-29.0	108.0	5.7	90.7	1.28	20.61
29.0-30.0	107.0	5.8	96.5	1.31	21.92
30.0-31.0	106.0	5.9	102.4	1.34	23.26
31.0-32.0	104.9	6.0	108.4	1.37	24.63
32.0-33.0	103.8	6.1	114.5	1.39	26.02
33.0-34.0	102.7	6.2	120.7	1.41	27.43
34.0-35.0	101.5	6.3	127.0	1.43	28.87
35.0-36.0	100.4	6.4	133.4	1.45	30.32

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	99.2	6.5	139.9	1.47	31.79
37.0-38.0	97.9	6.5	146.4	1.49	33.27
38.0-39.0	96.7	6.6	153.0	1.50	34.77
39.0-40.0	95.4	6.7	159.7	1.51	36.29
40.0-41.0	94.1	6.7	166.4	1.52	37.81
41.0-42.0	92.8	6.7	173.1	1.53	39.34
42.0-43.0	91.5	6.8	179.9	1.54	40.88
43.0-44.0	90.1	6.8	186.7	1.55	42.43
44.0-45.0	88.8	6.8	193.5	1.55	43.98
45.0-46.0	87.3	6.8	200.4	1.55	45.53
46.0-47.0	85.9	6.8	207.2	1.55	47.08
47.0-48.0	84.5	6.8	214.0	1.55	48.64
48.0-49.0	83.0	6.8	220.9	1.55	50.18
49.0-50.0	81.5	6.8	227.7	1.54	51.73
50.0-51.0	80.1	6.8	234.4	1.54	53.27
51.0-52.0	78.6	6.7	241.2	1.53	54.80
52.0-53.0	77.0	6.7	247.9	1.52	56.32
53.0-54.0	75.5	6.7	254.5	1.51	57.84
54.0-55.0	73.9	6.6	261.1	1.50	59.34
55.0-56.0	72.4	6.5	267.7	1.49	60.82
56.0-57.0	70.8	6.5	274.1	1.47	62.29
57.0-58.0	69.3	6.4	280.6	1.46	63.75
58.0-59.0	67.7	6.3	286.9	1.44	65.19
59.0-60.0	66.1	6.2	293.1	1.42	66.61
60.0-61.0	64.5	6.2	299.3	1.40	68.01
61.0-62.0	63.0	6.1	305.4	1.38	69.38
62.0-63.0	61.4	6.0	311.3	1.36	70.74
63.0-64.0	59.8	5.9	317.2	1.33	72.07
64.0-65.0	58.2	5.8	323.0	1.31	73.38
65.0-66.0	56.6	5.7	328.6	1.28	74.67
66.0-67.0	55.1	5.5	334.1	1.26	75.93
67.0-68.0	53.5	5.4	339.6	1.23	77.16
68.0-69.0	52.0	5.3	344.9	1.21	78.36
69.0-70.0	50.4	5.2	350.1	1.18	79.54
70.0-71.0	48.9	5.1	355.1	1.15	80.69
71.0-72.0	47.4	4.9	360.0	1.12	81.81

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	46.0	4.8	364.8	1.09	82.90
73.0-74.0	44.5	4.7	369.5	1.06	83.97
74.0-75.0	43.1	4.6	374.1	1.03	85.00
75.0-76.0	41.7	4.4	378.5	1.01	86.01
76.0-77.0	40.4	4.3	382.8	0.98	86.99
77.0-78.0	39.1	4.2	387.0	0.95	87.94
78.0-79.0	37.9	4.1	391.1	0.92	88.86
79.0-80.0	36.6	3.9	395.0	0.90	89.76
80.0-81.0	35.3	3.8	398.8	0.87	90.63
81.0-82.0	33.9	3.7	402.5	0.84	91.46
82.0-83.0	32.5	3.5	406.1	0.80	92.27
83.0-84.0	31.1	3.4	409.4	0.77	93.03
84.0-85.0	29.5	3.2	412.7	0.73	93.77
85.0-86.0	27.8	3.0	415.7	0.69	94.46
86.0-87.0	26.0	2.8	418.5	0.65	95.10
87.0-88.0	24.2	2.7	421.2	0.60	95.70
88.0-89.0	22.6	2.5	423.7	0.56	96.27
89.0-90.0	21.1	2.3	426.0	0.52	96.79
90.0-91.0	19.5	2.1	428.1	0.49	97.28
91.0-92.0	17.4	1.9	430.0	0.43	97.71
92.0-93.0	14.8	1.6	431.6	0.37	98.08
93.0-94.0	11.9	1.3	432.9	0.30	98.37
94.0-95.0	9.2	1.0	433.9	0.23	98.60
95.0-96.0	6.9	0.8	434.7	0.17	98.78
96.0-97.0	5.1	0.6	435.3	0.13	98.90
97.0-98.0	3.6	0.4	435.7	0.09	98.99
98.0-99.0	2.6	0.3	435.9	0.06	99.06
99.0-100.0	1.8	0.2	436.1	0.04	99.10
100.0-101.0	1.3	0.1	436.3	0.03	99.13
101.0-102.0	0.9	0.1	436.4	0.02	99.15
102.0-103.0	0.7	0.1	436.4	0.02	99.17
103.0-104.0	0.6	0.1	436.5	0.01	99.19
104.0-105.0	0.5	0.1	436.6	0.01	99.20
105.0-106.0	0.5	0.1	436.6	0.01	99.21
106.0-107.0	0.5	0.1	436.7	0.01	99.22
107.0-108.0	0.5	0.1	436.7	0.01	99.24

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	436.8	0.01	99.25
109.0-110.0	0.5	0.1	436.8	0.01	99.26
110.0-111.0	0.5	0.1	436.9	0.01	99.27
111.0-112.0	0.6	0.1	437.0	0.01	99.29
112.0-113.0	0.6	0.1	437.0	0.01	99.30
113.0-114.0	0.6	0.1	437.1	0.01	99.31
114.0-115.0	0.6	0.1	437.1	0.01	99.33
115.0-116.0	0.6	0.1	437.2	0.01	99.34
116.0-117.0	0.6	0.1	437.3	0.01	99.35
117.0-118.0	0.6	0.1	437.3	0.01	99.37
118.0-119.0	0.6	0.1	437.4	0.01	99.38
119.0-120.0	0.7	0.1	437.4	0.01	99.40
120.0-121.0	0.7	0.1	437.5	0.01	99.41
121.0-122.0	0.7	0.1	437.6	0.01	99.43
122.0-123.0	0.7	0.1	437.6	0.01	99.44
123.0-124.0	0.7	0.1	437.7	0.01	99.45
124.0-125.0	0.7	0.1	437.8	0.01	99.47
125.0-126.0	0.7	0.1	437.8	0.01	99.48
126.0-127.0	0.7	0.1	437.9	0.01	99.50
127.0-128.0	0.7	0.1	437.9	0.01	99.51
128.0-129.0	0.7	0.1	438.0	0.01	99.53
129.0-130.0	0.8	0.1	438.1	0.01	99.54
130.0-131.0	0.8	0.1	438.1	0.01	99.56
131.0-132.0	0.8	0.1	438.2	0.01	99.57
132.0-133.0	0.8	0.1	438.3	0.01	99.58
133.0-134.0	0.8	0.1	438.3	0.01	99.60
134.0-135.0	0.8	0.1	438.4	0.01	99.61
135.0-136.0	0.8	0.1	438.5	0.01	99.63
136.0-137.0	0.8	0.1	438.5	0.01	99.64
137.0-138.0	0.8	0.1	438.6	0.01	99.66
138.0-139.0	0.8	0.1	438.6	0.01	99.67
139.0-140.0	0.9	0.1	438.7	0.01	99.68
140.0-141.0	0.9	0.1	438.8	0.01	99.70
141.0-142.0	0.9	0.1	438.8	0.01	99.71
142.0-143.0	0.9	0.1	438.9	0.01	99.72
143.0-144.0	0.9	0.1	438.9	0.01	99.74

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 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.9	0.1	439.0	0.01	99.75
145.0-146.0	0.9	0.1	439.0	0.01	99.76
146.0-147.0	0.9	0.1	439.1	0.01	99.77
147.0-148.0	0.9	0.1	439.2	0.01	99.79
148.0-149.0	0.9	0.1	439.2	0.01	99.80
149.0-150.0	0.9	0.1	439.3	0.01	99.81
150.0-151.0	0.9	0.0	439.3	0.01	99.82
151.0-152.0	0.9	0.0	439.4	0.01	99.83
152.0-153.0	0.9	0.0	439.4	0.01	99.84
153.0-154.0	0.9	0.0	439.5	0.01	99.85
154.0-155.0	1.0	0.0	439.5	0.01	99.86
155.0-156.0	1.0	0.0	439.5	0.01	99.87
156.0-157.0	1.0	0.0	439.6	0.01	99.88
157.0-158.0	1.0	0.0	439.6	0.01	99.89
158.0-159.0	1.0	0.0	439.7	0.01	99.90
159.0-160.0	1.0	0.0	439.7	0.01	99.91
160.0-161.0	1.0	0.0	439.7	0.01	99.92
161.0-162.0	1.0	0.0	439.8	0.01	99.93
162.0-163.0	1.0	0.0	439.8	0.01	99.94
163.0-164.0	1.0	0.0	439.8	0.01	99.94
164.0-165.0	1.0	0.0	439.9	0.01	99.95
165.0-166.0	1.0	0.0	439.9	0.01	99.96
166.0-167.0	1.0	0.0	439.9	0.01	99.96
167.0-168.0	1.0	0.0	439.9	0.01	99.97
168.0-169.0	1.0	0.0	440.0	0.01	99.97
169.0-170.0	1.1	0.0	440.0	0.00	99.98
170.0-171.0	1.1	0.0	440.0	0.00	99.98
171.0-172.0	1.1	0.0	440.0	0.00	99.99
172.0-173.0	1.1	0.0	440.0	0.00	99.99
173.0-174.0	1.1	0.0	440.1	0.00	99.99
174.0-175.0	1.1	0.0	440.1	0.00	99.99
175.0-176.0	1.1	0.0	440.1	0.00	100.00
176.0-177.0	1.1	0.0	440.1	0.00	100.00
177.0-178.0	1.1	0.0	440.1	0.00	100.00
178.0-179.0	1.1	0.0	440.1	0.00	100.00
179.0-180.0	1.1	0.0	440.1	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: