

Report No.: ARK-2-40K-010-25

Test Time: 2020/9/12 14:12

Luminaire Property

Luminaire Manufacturer: Rayhil

Luminaire Category: Anchor

Luminaire Description:

Luminous Length (mm): 605

Luminous Height (mm): 34

Current: 0.742 A

Power Factor: 1.000

Luminous Width (mm): 50

Voltage: 110 V

Power: 17.80 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1939.8 lm

Downward Ratio: 96%

Horizontal Diffuse Angle(10%,50%): H50.5,H25.8

Vertical Diffuse Angle(10%,50%): V50.1,V25.8

Luminaire Efficacy Rating (LER): 109

Max. Intensity: 6630.86 cd

Total Rated Lamp Lumens: 1939.8 lm

Efficiency: 100%

Upward Ratio: 4%

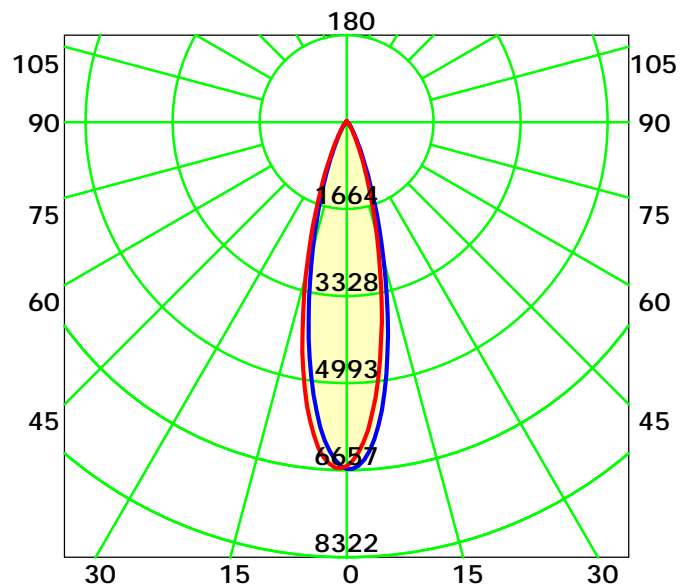
Central Intensity: 6629.68 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.8° Unit: cd

— C0-C180 — C90-C270

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

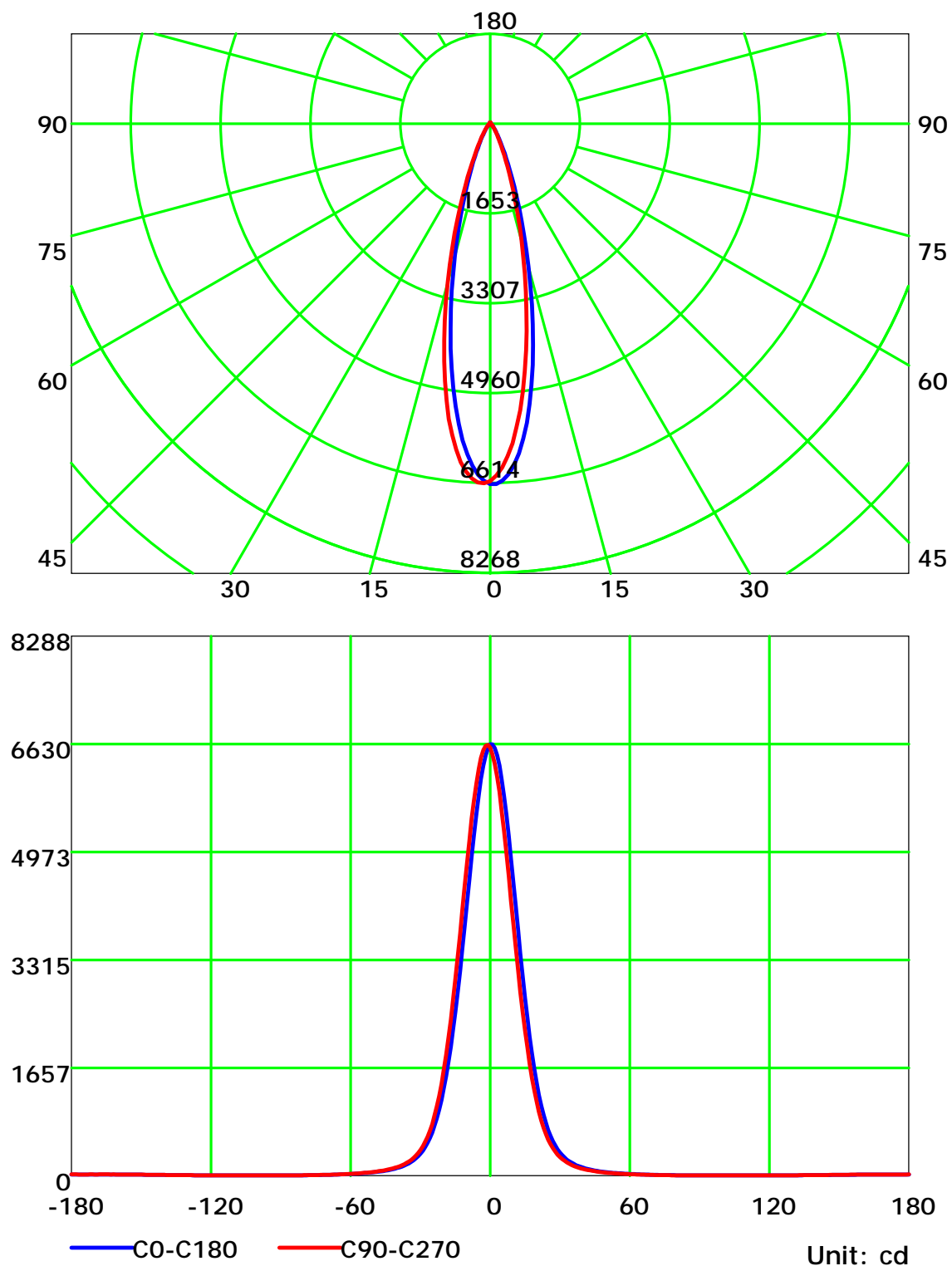
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

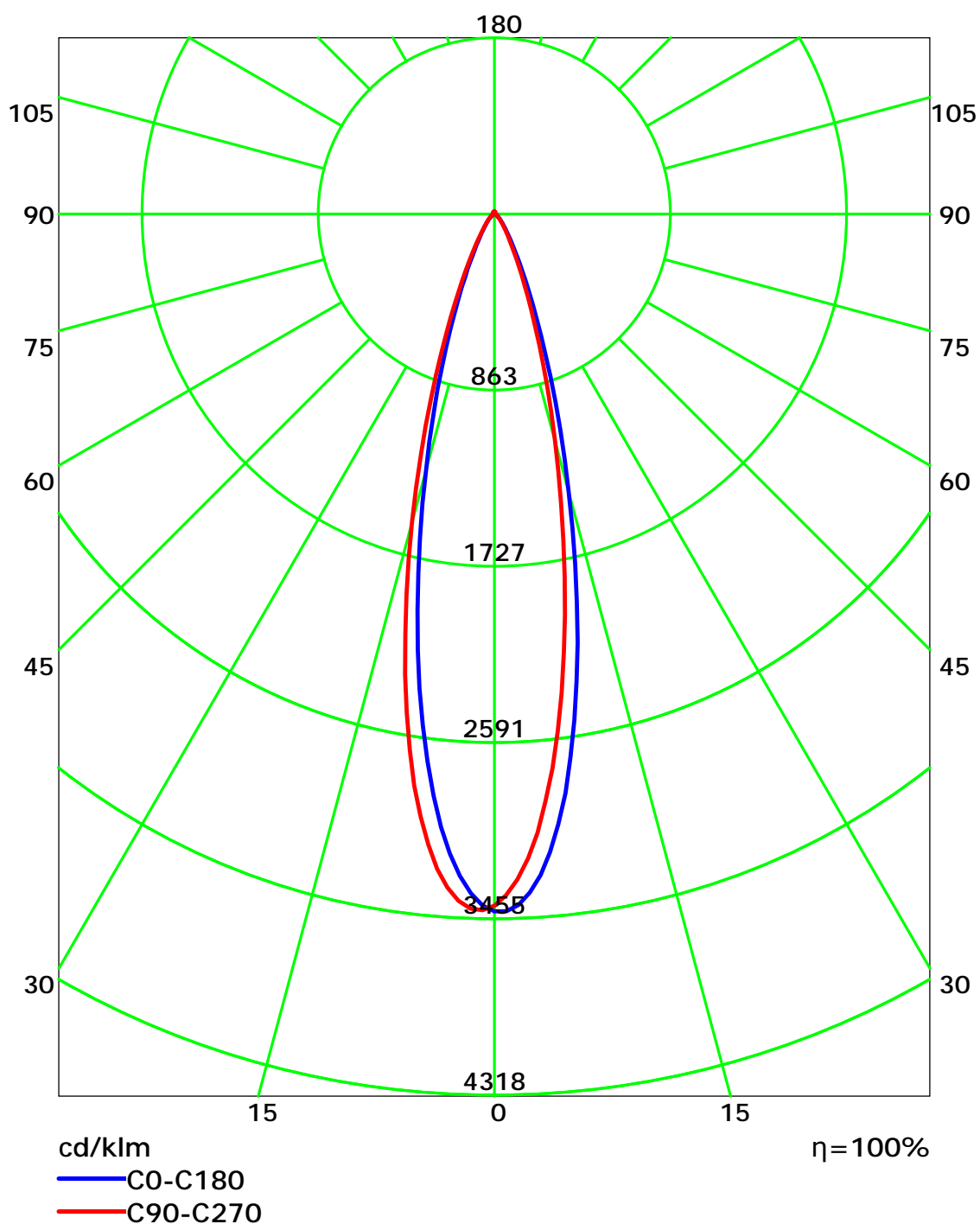
Luminous Intensity Distribution Curve



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:

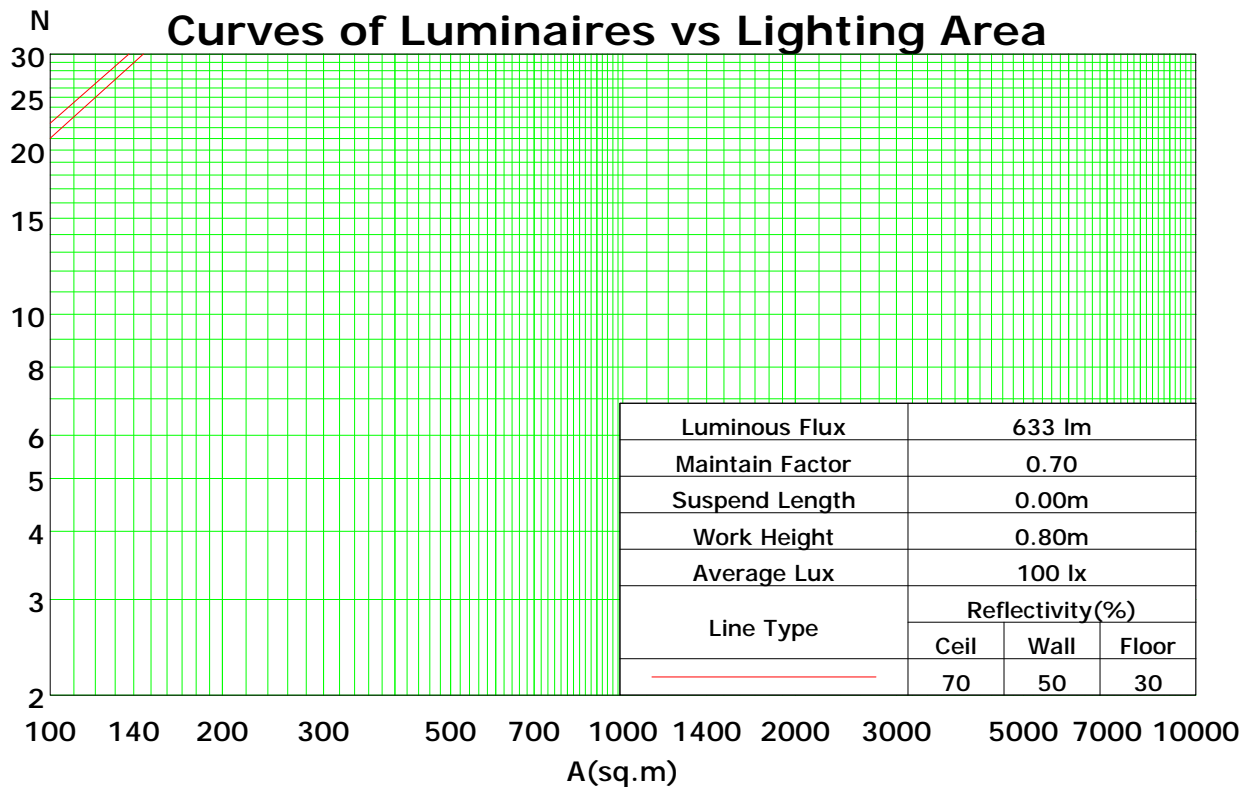
Coefficients Of Utilization - Zonal Cavity Method

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	103	103	103	98	98	98	96
1	113	110	108	106	110	108	105	104	103	101	100	98	97	96	94	93	92	90
2	108	103	100	97	105	101	98	95	97	95	93	94	92	90	91	89	87	86
3	103	98	93	90	101	96	92	89	93	90	87	90	87	85	87	85	83	81
4	99	93	88	84	97	91	87	83	89	85	82	86	83	81	84	81	79	78
5	95	88	83	80	94	87	82	79	85	81	78	83	80	77	81	78	76	74
6	92	84	79	76	90	83	79	75	82	77	74	80	76	74	78	75	73	71
7	89	81	76	72	87	80	75	72	78	74	71	77	73	71	76	72	70	69
8	86	78	73	69	84	77	72	69	76	71	68	74	71	68	73	70	67	66
9	83	75	70	67	82	74	70	66	73	69	66	72	68	66	71	68	65	64
10	80	72	67	64	79	72	67	64	71	66	64	70	66	63	69	65	63	62

Spacing Criteria (0-180): 0.43

Spacing Criteria (90-270): 0.44

Spacing Criteria (Diagonal): 0.45



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

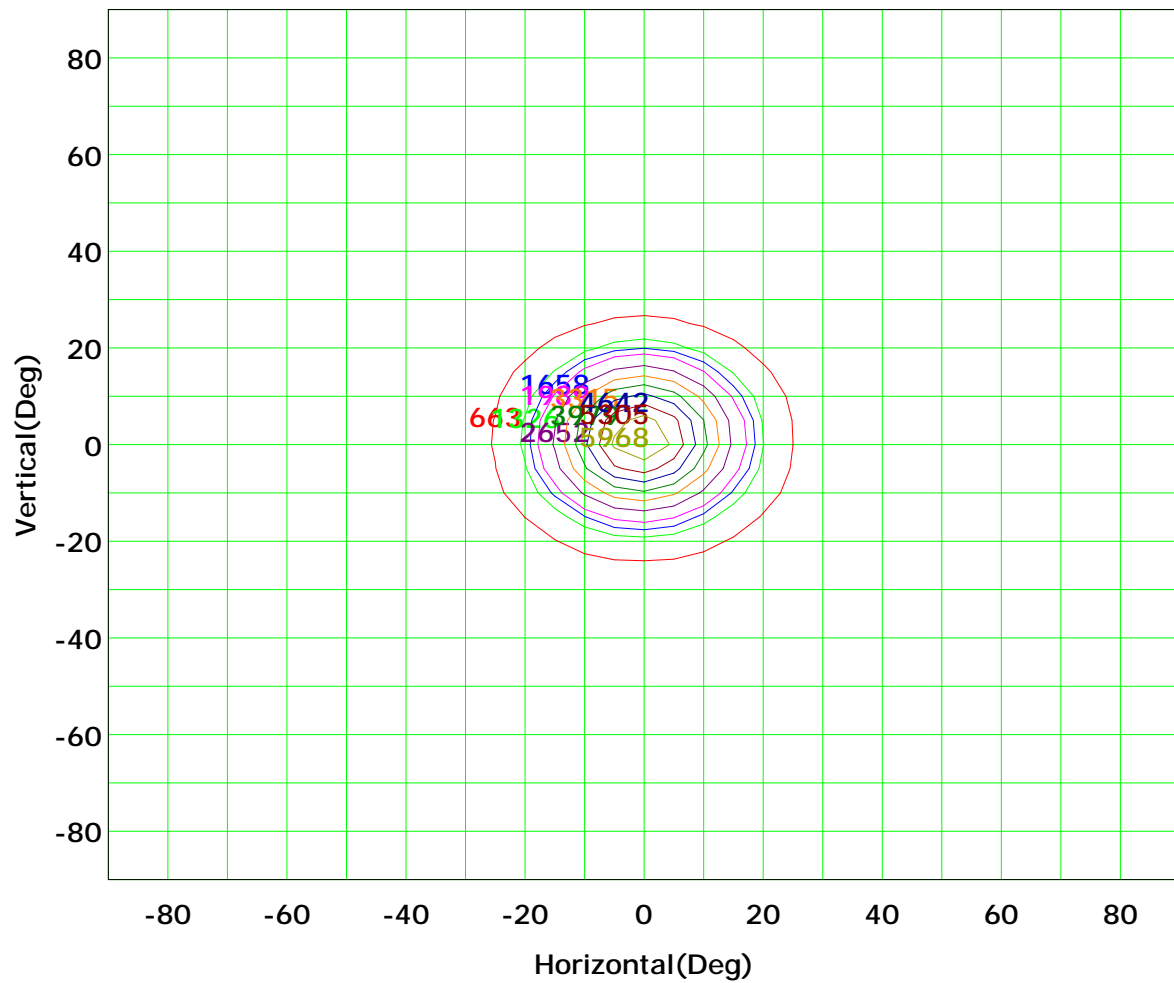
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



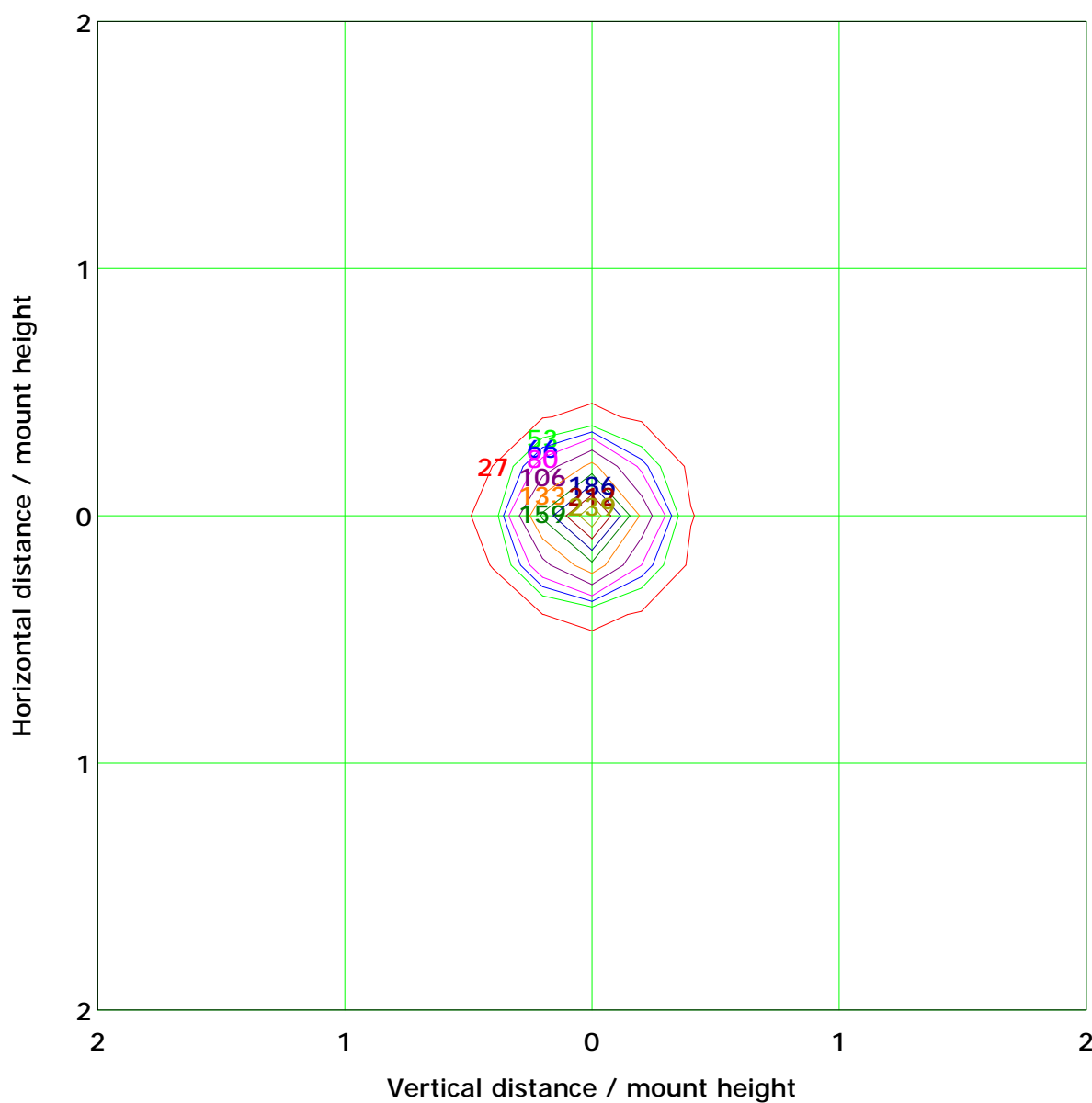
Imax (100%): 6631 cd

(10%): 663 cd	(20%): 1326 cd
(25%): 1658 cd	(30%): 1989 cd
(40%): 2652 cd	(50%): 3315 cd
(60%): 3979 cd	(70%): 4642 cd
(80%): 5305 cd	(90%): 5968 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%): 265.2 lx	
(10%): 26.5 lx	(20%): 53.0 lx
(25%): 66.3 lx	(30%): 79.6 lx
(40%): 106.1 lx	(50%): 132.6 lx
(60%): 159.1 lx	(70%): 185.6 lx
(80%): 212.1 lx	(90%): 238.7 lx

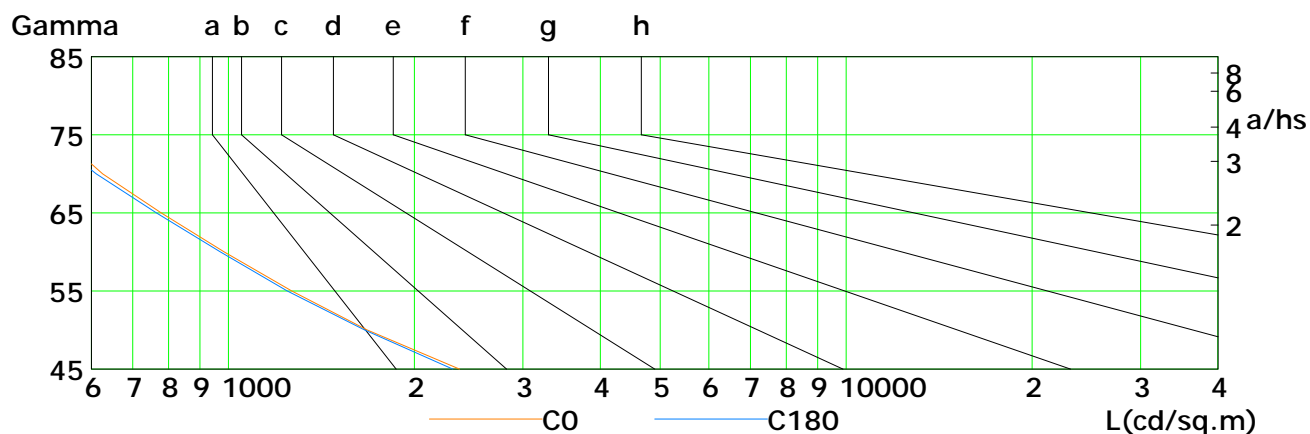
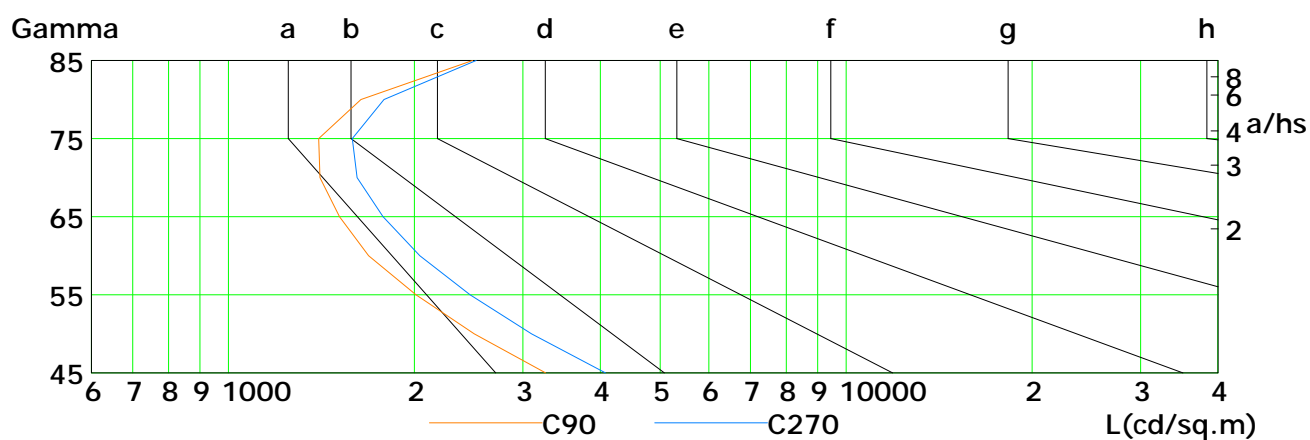
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

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	2367	1679	1267	985	779	626	532	480	465
C90	3263	2501	2014	1688	1513	1407	1401	1639	2485
C180	2310	1663	1246	971	765	611	511	462	427
C270	4078	3098	2462	2043	1781	1617	1588	1787	2520

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

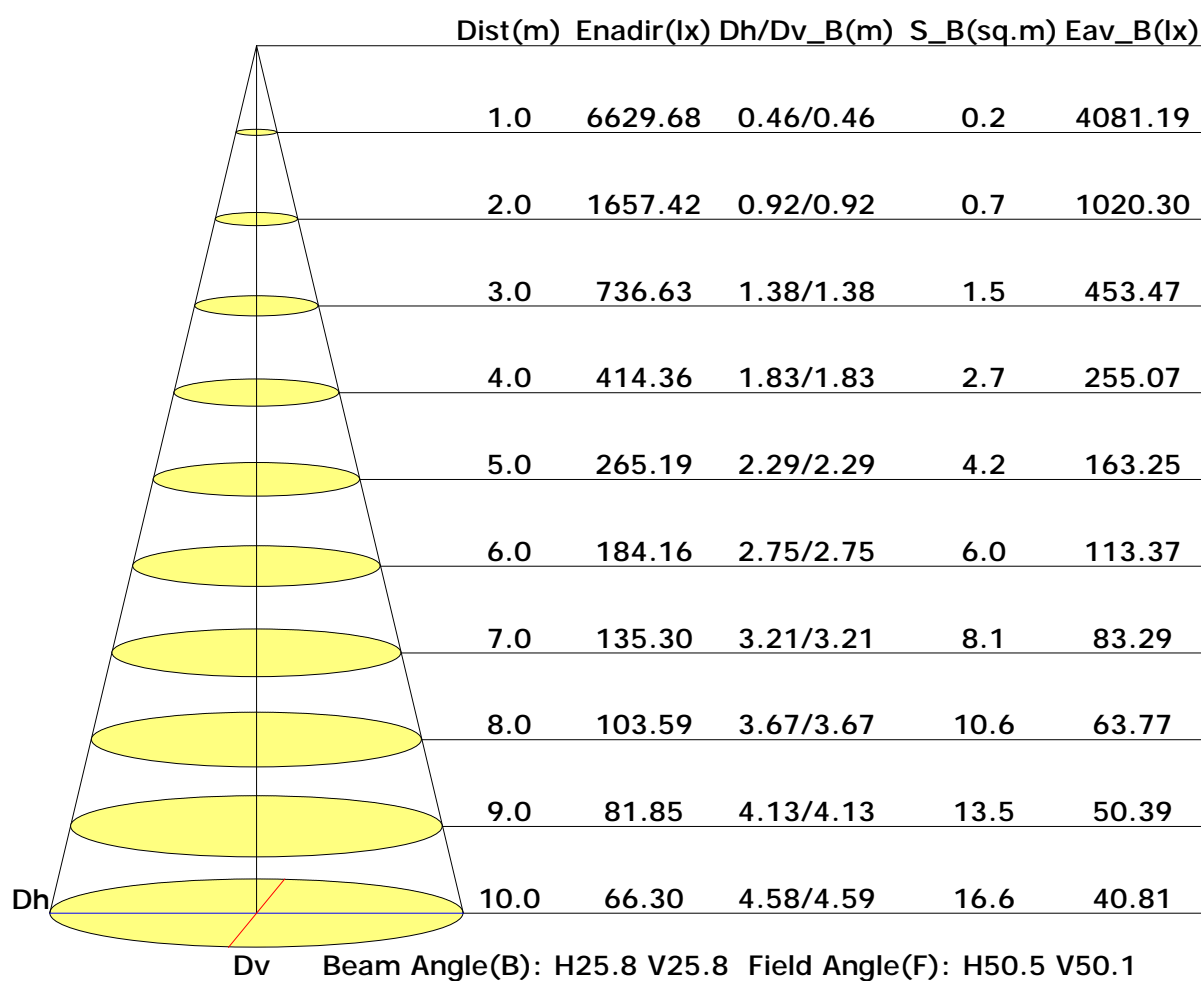
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

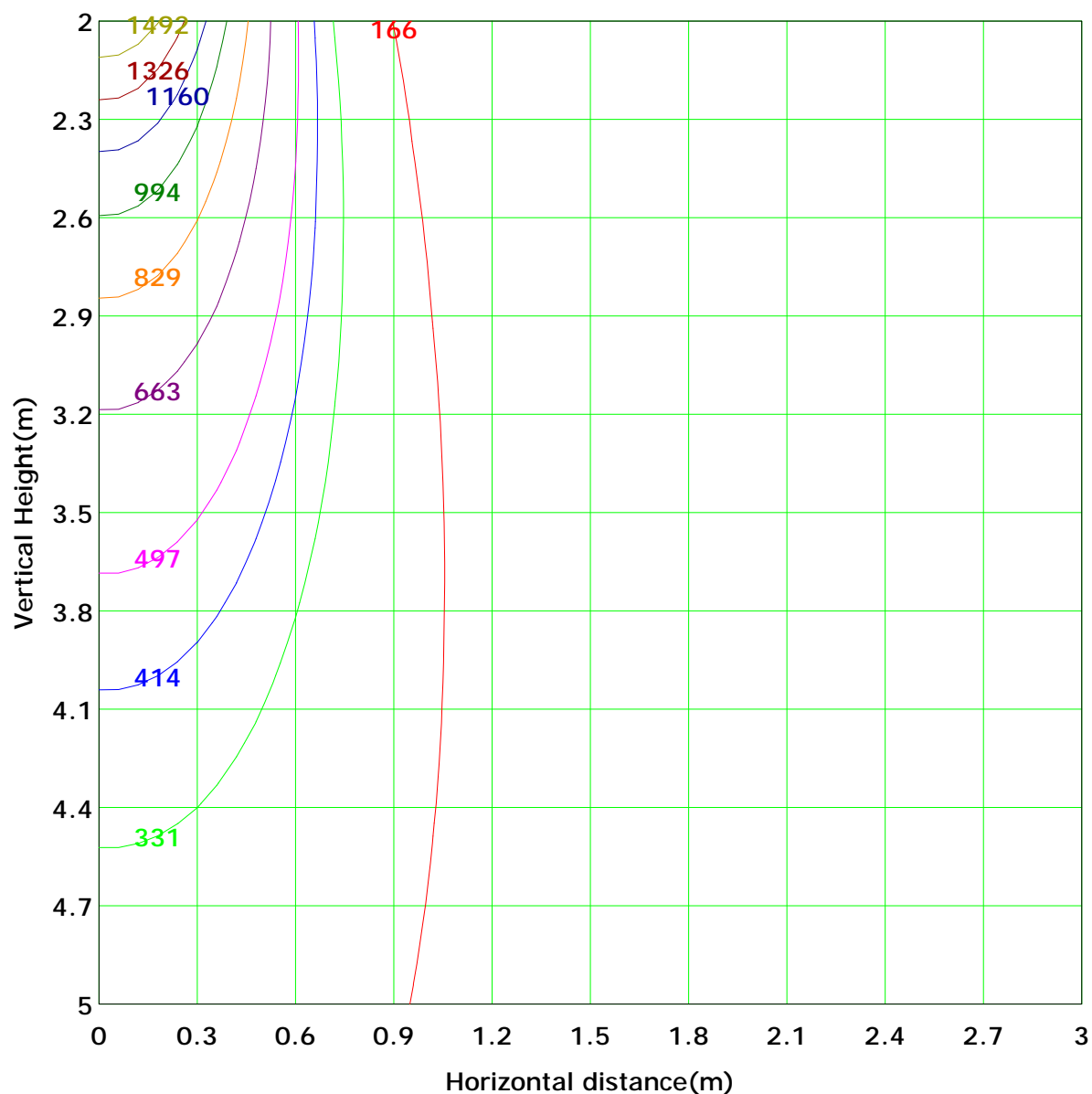
Illuminance at a Distance



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:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 1657.4 lx	
(10%): 165.7 lx	(20%): 331.5 lx
(25%): 414.4 lx	(30%): 497.2 lx
(40%): 663.0 lx	(50%): 828.7 lx
(60%): 994.5 lx	(70%): 1160.2 lx
(80%): 1325.9 lx	(90%): 1491.7 lx

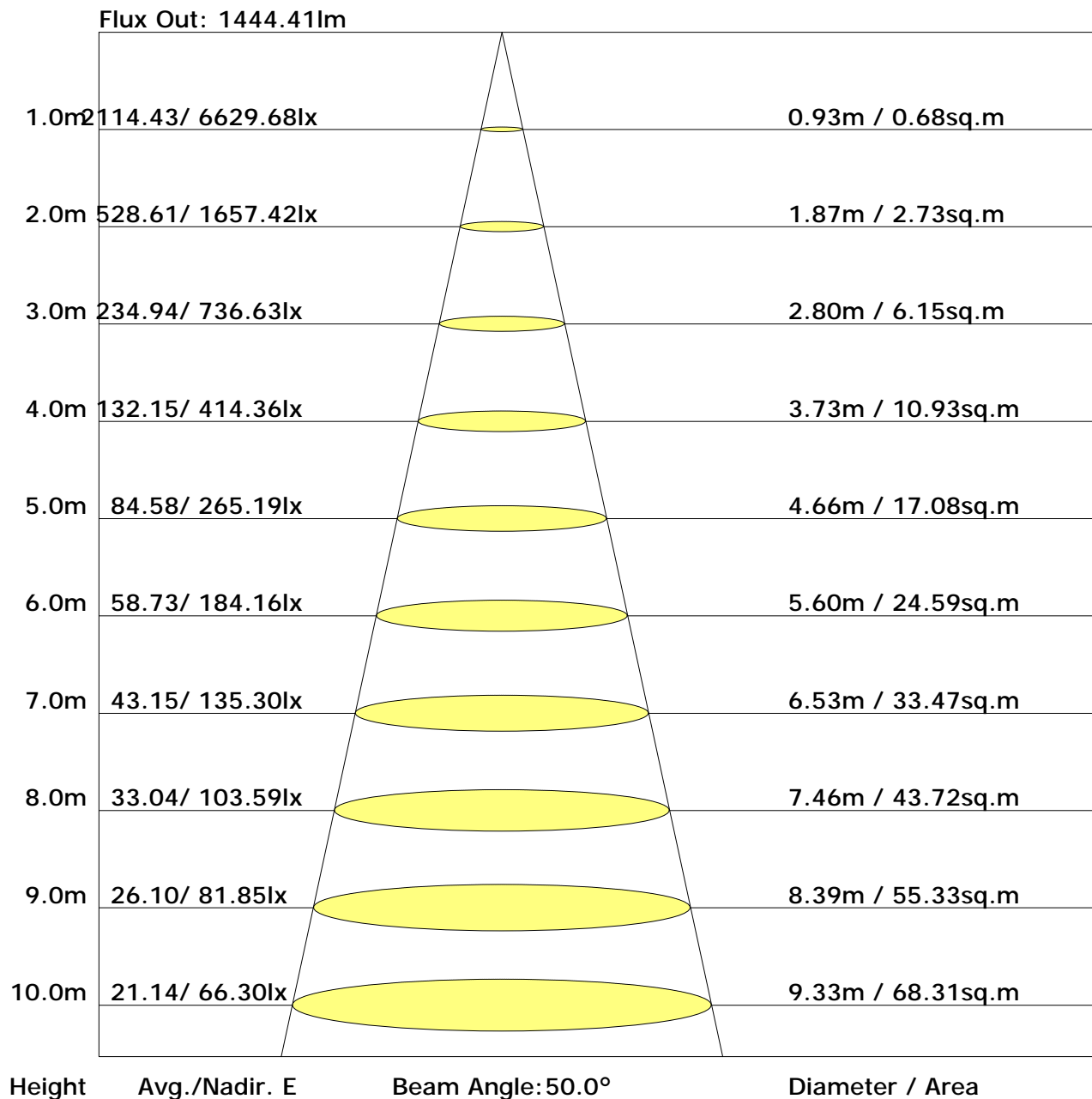
C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

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

Unit: lm

C Plane (°):0.0-360.0: 30.0	Gamma Plane (°):0.0-180.0: 1.0
Test Lab:	Test Device: GPM-1800B
Test Type: TYPE C	Distance: 9.028 m
Temperature: 25	Humidity: 60%
Operator: Kerr	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	4.4	5.3	4.8	5.7	6.2	2.4	3.3	2.8	3.7	4.2
3H	5.7	6.5	6.2	7.0	7.4	3.5	4.3	3.9	4.7	5.2
4H	6.3	7.1	6.8	7.6	8.1	3.9	4.7	4.4	5.1	5.6
6H	7.0	7.8	7.5	8.2	8.7	4.3	5.1	4.8	5.5	6.0
8H	7.4	8.1	7.9	8.6	9.1	4.6	5.2	5.1	5.7	6.2
12H	7.9	8.5	8.4	9.0	9.5	4.8	5.4	5.3	5.9	6.5
X=4H Y=2H	4.5	5.3	5.0	5.7	6.2	2.8	3.5	3.3	4.0	4.5
3H	6.0	6.7	6.5	7.2	7.7	4.1	4.7	4.6	5.2	5.7
4H	6.8	7.4	7.3	7.9	8.4	4.6	5.2	5.2	5.7	6.3
6H	7.7	8.1	8.2	8.7	9.3	5.2	5.7	5.8	6.2	6.8
8H	8.1	8.6	8.7	9.1	9.7	5.5	6.0	6.1	6.5	7.1
12H	8.7	9.1	9.3	9.7	10.3	5.8	6.2	6.4	6.8	7.4
X=8H Y=4H	6.9	7.3	7.4	7.9	8.4	4.9	5.4	5.5	5.9	6.5
6H	7.9	8.2	8.5	8.8	9.4	5.7	6.0	6.3	6.6	7.2
8H	8.5	8.8	9.1	9.4	10.0	6.1	6.4	6.7	7.0	7.6
12H	9.2	9.5	9.8	10.1	10.7	6.6	6.9	7.2	7.4	8.1
X=12H Y=4H	6.8	7.2	7.4	7.8	8.4	5.0	5.4	5.5	5.9	6.5
6H	7.9	8.2	8.5	8.8	9.4	5.8	6.1	6.4	6.7	7.3
8H	8.6	8.8	9.1	9.4	10.1	6.3	6.6	6.9	7.2	7.8

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 = 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	0.86	0.92	0.96	0.99	1.03	1.05	1.07	1.09	1.11
	0.30		0.82	0.88	0.92	0.95	0.99	1.02	1.04	1.07	1.09
	0.20		0.78	0.84	0.89	0.92	0.96	1.00	1.02	1.05	1.07
0.50	0.50	0.20	0.85	0.90	0.93	0.96	0.99	1.01	1.03	1.05	1.06
	0.30		0.81	0.86	0.90	0.93	0.96	0.99	1.01	1.03	1.04
	0.20		0.78	0.83	0.87	0.90	0.94	0.97	0.99	1.01	1.03
0.30	0.50	0.20	0.83	0.88	0.91	0.93	0.96	0.98	0.99	1.00	1.01
	0.30		0.80	0.85	0.88	0.91	0.94	0.96	0.97	0.99	1.00
	0.20		0.77	0.82	0.86	0.88	0.92	0.94	0.96	0.98	0.99
0.00	0.00	0.00	0.75	0.80	0.83	0.85	0.88	0.90	0.91	0.93	0.94
<p>Rating: 18W 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: 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(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	0.57	0.46	0.39	0.34	0.27	0.22	0.19	0.15	0.12
	0.30		0.47	0.40	0.34	0.30	0.24	0.21	0.18	0.14	0.12
	0.20		0.41	0.35	0.30	0.27	0.22	0.19	0.17	0.13	0.11
0.50	0.50	0.20	0.53	0.43	0.36	0.31	0.25	0.24	0.17	0.13	0.11
	0.30		0.45	0.37	0.32	0.28	0.22	0.19	0.16	0.13	0.11
	0.20		0.39	0.33	0.29	0.25	0.21	0.18	0.15	0.12	0.10
0.30	0.50	0.20	0.50	0.40	0.33	0.29	0.22	0.18	0.16	0.12	0.10
	0.30		0.43	0.35	0.30	0.26	0.21	0.17	0.15	0.12	0.10
	0.20		0.37	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.23	0.18	0.15	0.13	0.10	0.08	0.07	0.06	0.04
<p>Rating: 18W 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: 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(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	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.25
	0.30		0.13	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.12	0.14	0.15	0.17	0.19	0.20	0.22	0.23
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.30		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22
0.30	0.50	0.20	0.16	0.17	0.19	0.19	0.21	0.21	0.22	0.23	0.23
	0.30		0.13	0.14	0.16	0.17	0.18	0.20	0.20	0.22	0.22
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<p>Rating: 18W 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	6573.4	6.3	6.3	0.32	0.32
1.0-2.0	6518.7	18.7	25.0	0.96	1.29
2.0-3.0	6410.4	30.7	55.7	1.58	2.87
3.0-4.0	6252.9	41.9	97.5	2.16	5.03
4.0-5.0	6047.9	52.0	149.6	2.68	7.71
5.0-6.0	5799.9	61.0	210.5	3.14	10.85
6.0-7.0	5516.0	68.5	279.0	3.53	14.38
7.0-8.0	5202.5	74.5	353.5	3.84	18.22
8.0-9.0	4866.0	78.9	432.3	4.07	22.29
9.0-10.0	4516.8	81.8	514.1	4.21	26.50
10.0-11.0	4160.1	83.1	597.2	4.29	30.79
11.0-12.0	3801.6	83.1	680.3	4.28	35.07
12.0-13.0	3451.5	81.9	762.3	4.22	39.30
13.0-14.0	3114.1	79.7	842.0	4.11	43.41
14.0-15.0	2788.2	76.6	918.5	3.95	47.35
15.0-16.0	2482.6	72.8	991.3	3.75	51.10
16.0-17.0	2202.9	68.6	1059.9	3.54	54.64
17.0-18.0	1941.7	64.0	1123.9	3.30	57.94
18.0-19.0	1702.0	59.2	1183.2	3.05	60.99
19.0-20.0	1487.4	54.4	1237.6	2.81	63.80
20.0-21.0	1296.1	49.8	1287.4	2.57	66.37
21.0-22.0	1126.7	45.3	1332.7	2.33	68.70
22.0-23.0	978.8	41.1	1373.7	2.12	70.82
23.0-24.0	849.7	37.2	1410.9	1.92	72.73
24.0-25.0	737.1	33.5	1444.4	1.73	74.46
25.0-26.0	640.3	30.2	1474.6	1.56	76.02
26.0-27.0	557.9	27.3	1501.9	1.41	77.43
27.0-28.0	487.0	24.7	1526.6	1.27	78.70
28.0-29.0	426.6	22.3	1548.9	1.15	79.85
29.0-30.0	375.3	20.3	1569.2	1.04	80.89
30.0-31.0	331.4	18.4	1587.6	0.95	81.85
31.0-32.0	293.7	16.8	1604.5	0.87	82.71
32.0-33.0	261.6	15.4	1619.9	0.79	83.51
33.0-34.0	234.1	14.2	1634.0	0.73	84.24
34.0-35.0	210.1	13.1	1647.1	0.67	84.91
35.0-36.0	189.5	12.1	1659.2	0.62	85.53

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	171.7	11.2	1670.4	0.58	86.11
37.0-38.0	155.9	10.4	1680.8	0.54	86.65
38.0-39.0	142.3	9.7	1690.5	0.50	87.15
39.0-40.0	130.2	9.1	1699.6	0.47	87.62
40.0-41.0	119.4	8.5	1708.1	0.44	88.05
41.0-42.0	109.9	8.0	1716.1	0.41	88.47
42.0-43.0	101.5	7.5	1723.6	0.39	88.85
43.0-44.0	93.8	7.1	1730.7	0.37	89.22
44.0-45.0	86.8	6.7	1737.3	0.34	89.56
45.0-46.0	80.5	6.3	1743.6	0.32	89.89
46.0-47.0	74.8	5.9	1749.6	0.31	90.19
47.0-48.0	69.5	5.6	1755.2	0.29	90.48
48.0-49.0	64.8	5.3	1760.5	0.27	90.76
49.0-50.0	60.4	5.0	1765.6	0.26	91.02
50.0-51.0	56.4	4.8	1770.3	0.25	91.26
51.0-52.0	52.7	4.5	1774.9	0.23	91.50
52.0-53.0	49.4	4.3	1779.2	0.22	91.72
53.0-54.0	46.3	4.1	1783.2	0.21	91.93
54.0-55.0	43.4	3.9	1787.1	0.20	92.13
55.0-56.0	40.7	3.7	1790.8	0.19	92.32
56.0-57.0	38.3	3.5	1794.3	0.18	92.50
57.0-58.0	36.0	3.3	1797.6	0.17	92.67
58.0-59.0	34.0	3.2	1800.8	0.16	92.83
59.0-60.0	32.0	3.0	1803.8	0.16	92.99
60.0-61.0	30.2	2.9	1806.7	0.15	93.14
61.0-62.0	28.5	2.7	1809.4	0.14	93.28
62.0-63.0	26.9	2.6	1812.1	0.14	93.42
63.0-64.0	25.5	2.5	1814.6	0.13	93.54
64.0-65.0	24.1	2.4	1817.0	0.12	93.67
65.0-66.0	22.9	2.3	1819.2	0.12	93.79
66.0-67.0	21.7	2.2	1821.4	0.11	93.90
67.0-68.0	20.6	2.1	1823.5	0.11	94.00
68.0-69.0	19.5	2.0	1825.5	0.10	94.11
69.0-70.0	18.6	1.9	1827.4	0.10	94.21
70.0-71.0	17.7	1.8	1829.2	0.09	94.30
71.0-72.0	16.9	1.8	1831.0	0.09	94.39

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	16.1	1.7	1832.7	0.09	94.48
73.0-74.0	15.4	1.6	1834.3	0.08	94.56
74.0-75.0	14.7	1.6	1835.8	0.08	94.64
75.0-76.0	14.1	1.5	1837.3	0.08	94.72
76.0-77.0	13.6	1.4	1838.8	0.07	94.79
77.0-78.0	13.1	1.4	1840.2	0.07	94.86
78.0-79.0	12.6	1.4	1841.5	0.07	94.93
79.0-80.0	12.2	1.3	1842.8	0.07	95.00
80.0-81.0	11.9	1.3	1844.1	0.07	95.07
81.0-82.0	11.6	1.3	1845.4	0.06	95.13
82.0-83.0	11.3	1.2	1846.6	0.06	95.20
83.0-84.0	11.0	1.2	1847.8	0.06	95.26
84.0-85.0	10.9	1.2	1849.0	0.06	95.32
85.0-86.0	10.8	1.2	1850.2	0.06	95.38
86.0-87.0	10.7	1.2	1851.3	0.06	95.44
87.0-88.0	10.6	1.2	1852.5	0.06	95.50
88.0-89.0	10.6	1.2	1853.7	0.06	95.56
89.0-90.0	10.7	1.2	1854.8	0.06	95.62
90.0-91.0	10.7	1.2	1856.0	0.06	95.68
91.0-92.0	10.6	1.2	1857.2	0.06	95.74
92.0-93.0	10.5	1.2	1858.3	0.06	95.80
93.0-94.0	10.6	1.2	1859.5	0.06	95.86
94.0-95.0	10.6	1.2	1860.6	0.06	95.92
95.0-96.0	10.7	1.2	1861.8	0.06	95.98
96.0-97.0	10.7	1.2	1863.0	0.06	96.04
97.0-98.0	10.7	1.2	1864.1	0.06	96.10
98.0-99.0	10.7	1.2	1865.3	0.06	96.16
99.0-100.0	10.8	1.2	1866.4	0.06	96.22
100.0-101.0	10.8	1.2	1867.6	0.06	96.28
101.0-102.0	10.7	1.2	1868.8	0.06	96.34
102.0-103.0	10.7	1.1	1869.9	0.06	96.40
103.0-104.0	10.7	1.1	1871.1	0.06	96.46
104.0-105.0	10.8	1.1	1872.2	0.06	96.52
105.0-106.0	10.7	1.1	1873.3	0.06	96.57
106.0-107.0	10.8	1.1	1874.5	0.06	96.63
107.0-108.0	10.8	1.1	1875.6	0.06	96.69

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	10.8	1.1	1876.7	0.06	96.75
109.0-110.0	10.8	1.1	1877.8	0.06	96.81
110.0-111.0	10.9	1.1	1879.0	0.06	96.86
111.0-112.0	10.9	1.1	1880.1	0.06	96.92
112.0-113.0	10.9	1.1	1881.2	0.06	96.98
113.0-114.0	11.0	1.1	1882.3	0.06	97.03
114.0-115.0	11.0	1.1	1883.4	0.06	97.09
115.0-116.0	11.1	1.1	1884.5	0.06	97.15
116.0-117.0	11.1	1.1	1885.6	0.06	97.20
117.0-118.0	11.2	1.1	1886.6	0.06	97.26
118.0-119.0	11.3	1.1	1887.7	0.06	97.32
119.0-120.0	11.3	1.1	1888.8	0.06	97.37
120.0-121.0	11.3	1.1	1889.9	0.06	97.43
121.0-122.0	11.4	1.1	1890.9	0.05	97.48
122.0-123.0	11.5	1.1	1892.0	0.05	97.54
123.0-124.0	11.6	1.1	1893.1	0.05	97.59
124.0-125.0	11.6	1.0	1894.1	0.05	97.65
125.0-126.0	11.7	1.0	1895.2	0.05	97.70
126.0-127.0	11.9	1.1	1896.2	0.05	97.75
127.0-128.0	12.1	1.1	1897.3	0.05	97.81
128.0-129.0	12.2	1.0	1898.3	0.05	97.86
129.0-130.0	12.3	1.0	1899.4	0.05	97.92
130.0-131.0	12.5	1.0	1900.4	0.05	97.97
131.0-132.0	12.8	1.0	1901.5	0.05	98.02
132.0-133.0	13.0	1.1	1902.5	0.05	98.08
133.0-134.0	13.3	1.1	1903.6	0.05	98.13
134.0-135.0	13.5	1.1	1904.6	0.05	98.19
135.0-136.0	13.8	1.1	1905.7	0.05	98.24
136.0-137.0	14.1	1.1	1906.8	0.05	98.30
137.0-138.0	14.5	1.1	1907.8	0.06	98.35
138.0-139.0	14.9	1.1	1908.9	0.06	98.41
139.0-140.0	15.3	1.1	1910.0	0.06	98.46
140.0-141.0	15.7	1.1	1911.1	0.06	98.52
141.0-142.0	16.0	1.1	1912.2	0.06	98.58
142.0-143.0	16.4	1.1	1913.3	0.06	98.63
143.0-144.0	16.9	1.1	1914.4	0.06	98.69

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	17.3	1.1	1915.5	0.06	98.75
145.0-146.0	17.8	1.1	1916.6	0.06	98.80
146.0-147.0	18.2	1.1	1917.7	0.06	98.86
147.0-148.0	18.7	1.1	1918.8	0.06	98.92
148.0-149.0	19.1	1.1	1919.9	0.06	98.97
149.0-150.0	19.5	1.1	1921.0	0.06	99.03
150.0-151.0	19.9	1.1	1922.1	0.06	99.09
151.0-152.0	20.3	1.1	1923.1	0.05	99.14
152.0-153.0	20.7	1.0	1924.2	0.05	99.19
153.0-154.0	21.1	1.0	1925.2	0.05	99.25
154.0-155.0	21.5	1.0	1926.2	0.05	99.30
155.0-156.0	21.8	1.0	1927.2	0.05	99.35
156.0-157.0	22.1	1.0	1928.2	0.05	99.40
157.0-158.0	22.3	0.9	1929.1	0.05	99.45
158.0-159.0	22.6	0.9	1930.0	0.05	99.50
159.0-160.0	22.8	0.9	1930.9	0.05	99.54
160.0-161.0	23.0	0.8	1931.7	0.04	99.58
161.0-162.0	23.1	0.8	1932.5	0.04	99.63
162.0-163.0	23.3	0.8	1933.3	0.04	99.67
163.0-164.0	23.5	0.7	1934.0	0.04	99.70
164.0-165.0	23.5	0.7	1934.7	0.04	99.74
165.0-166.0	23.6	0.6	1935.4	0.03	99.77
166.0-167.0	23.7	0.6	1936.0	0.03	99.80
167.0-168.0	23.7	0.6	1936.5	0.03	99.83
168.0-169.0	23.7	0.5	1937.1	0.03	99.86
169.0-170.0	23.7	0.5	1937.5	0.02	99.88
170.0-171.0	23.6	0.4	1938.0	0.02	99.91
171.0-172.0	23.6	0.4	1938.3	0.02	99.93
172.0-173.0	23.6	0.3	1938.7	0.02	99.94
173.0-174.0	23.7	0.3	1939.0	0.02	99.96
174.0-175.0	23.7	0.2	1939.2	0.01	99.97
175.0-176.0	23.7	0.2	1939.4	0.01	99.98
176.0-177.0	23.7	0.2	1939.6	0.01	99.99
177.0-178.0	23.8	0.1	1939.7	0.01	100.00
178.0-179.0	23.8	0.1	1939.8	0.00	100.00
179.0-180.0	23.9	0.0	1939.8	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: