



Report No.: ARK-2-40K-010-50

Test Time: 2020/9/12 13:33

Luminaire Property

Luminaire Manufacturer: Rayhil

Luminaire Category: Anchor

Luminaire Description:

Luminous Length (mm): 605

Luminous Height (mm): 34

Current: 0.743 A

Power Factor: 1.000

Luminous Width (mm): 50

Voltage: 110 V

Power: 17.83 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1591.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H84.3,H47.4

Vertical Diffuse Angle(10%,50%): V83.5,V47.2

Luminaire Efficacy Rating (LER): 89

Max. Intensity: 2166.95 cd

Total Rated Lamp Lumens: 1591.5 lm

Efficiency: 100%

Upward Ratio: 1%

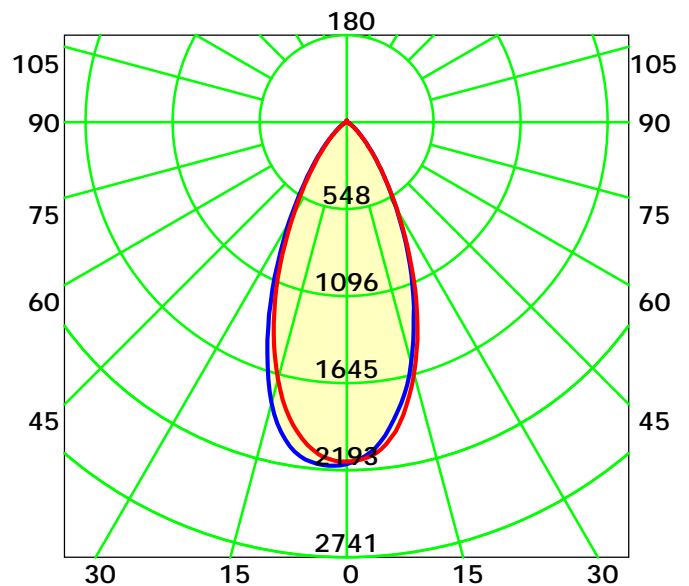
Central Intensity: 2153.84 cd

Pos of Max. Intensity: H180 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 47.3° 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

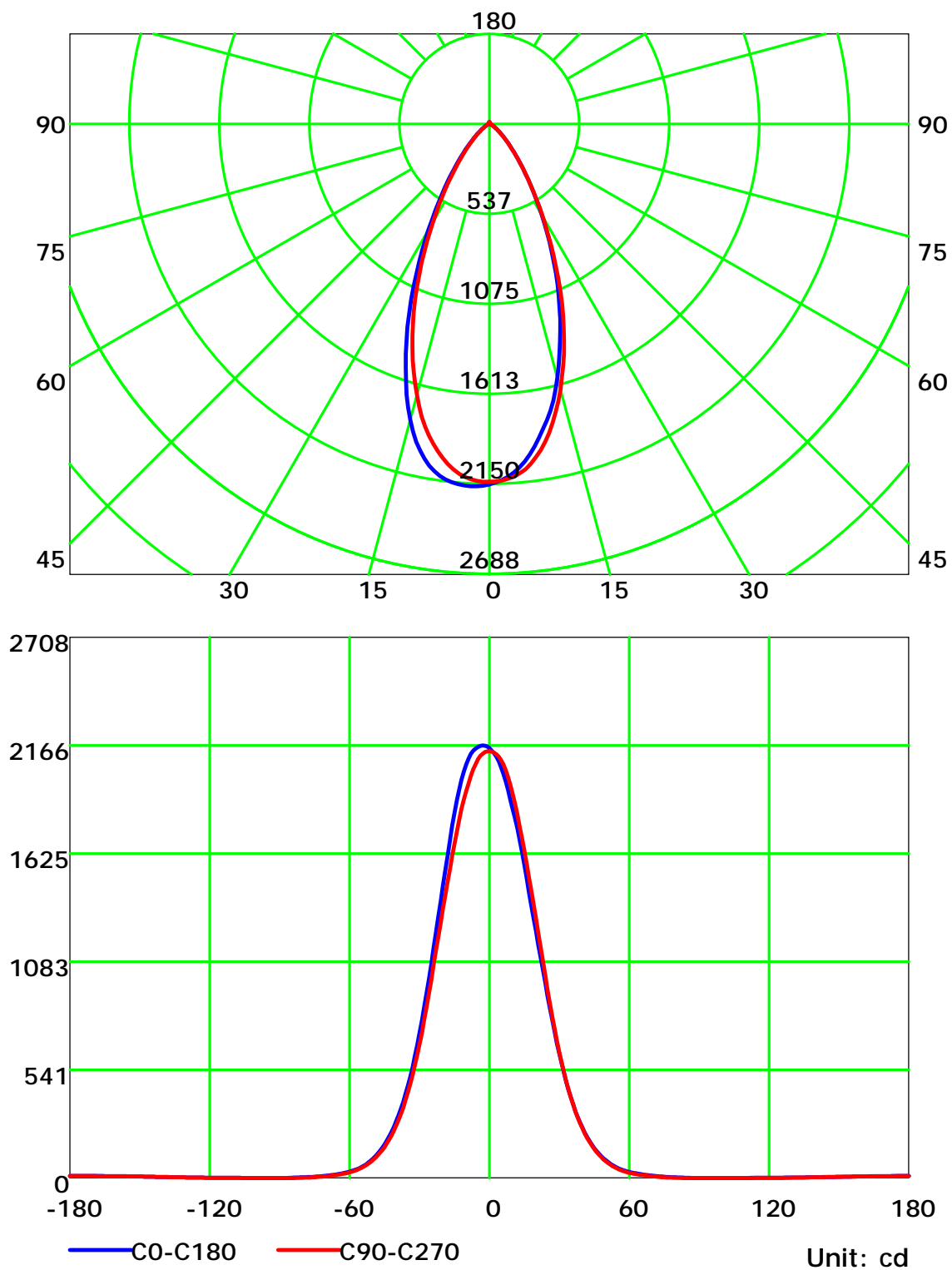
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

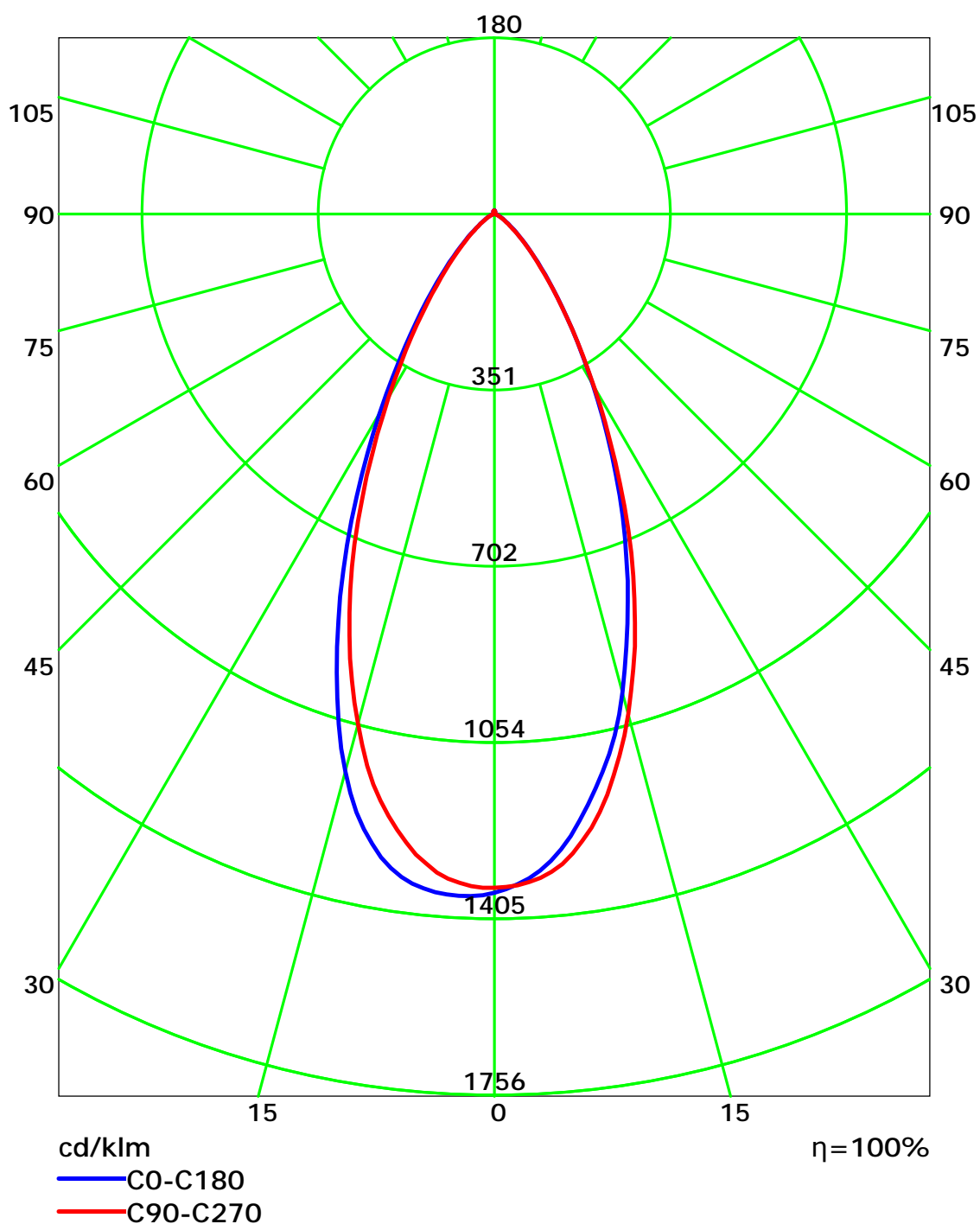
Luminous Intensity Distribution Curve



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:

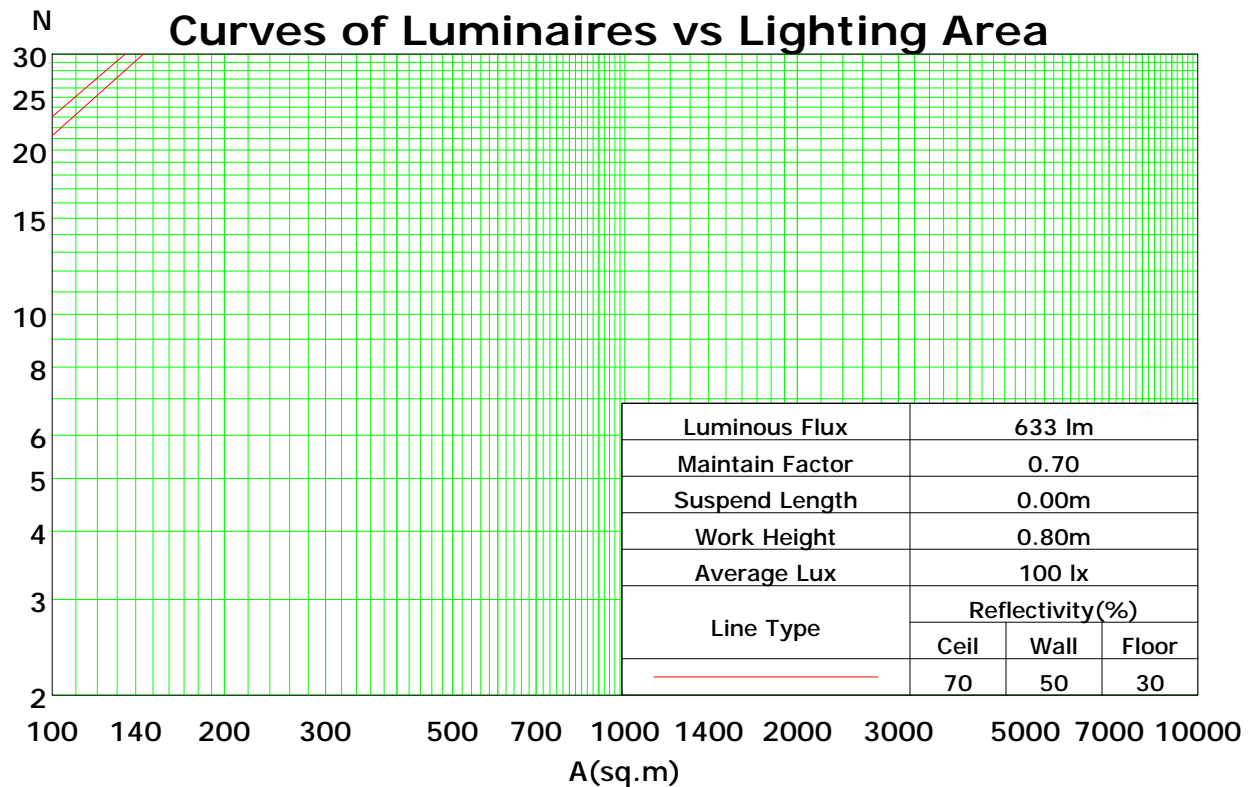
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	113	110	108	105	110	108	106	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	95	105	100	97	93	97	94	91	94	91	89	91	89	87	85
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	96	89	83	79	94	87	82	78	85	81	77	83	79	76	81	78	75	73
5	91	83	77	73	90	82	76	72	80	75	72	78	74	71	77	73	70	69
6	87	78	72	68	85	77	71	67	75	70	67	74	69	66	72	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	77	69	63	59	67	62	59	66	62	58	65	61	58	56
9	75	65	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	50

Spacing Criteria (0-180): 0.75

Spacing Criteria (90-270): 0.74

Spacing Criteria (Diagonal): 0.75



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

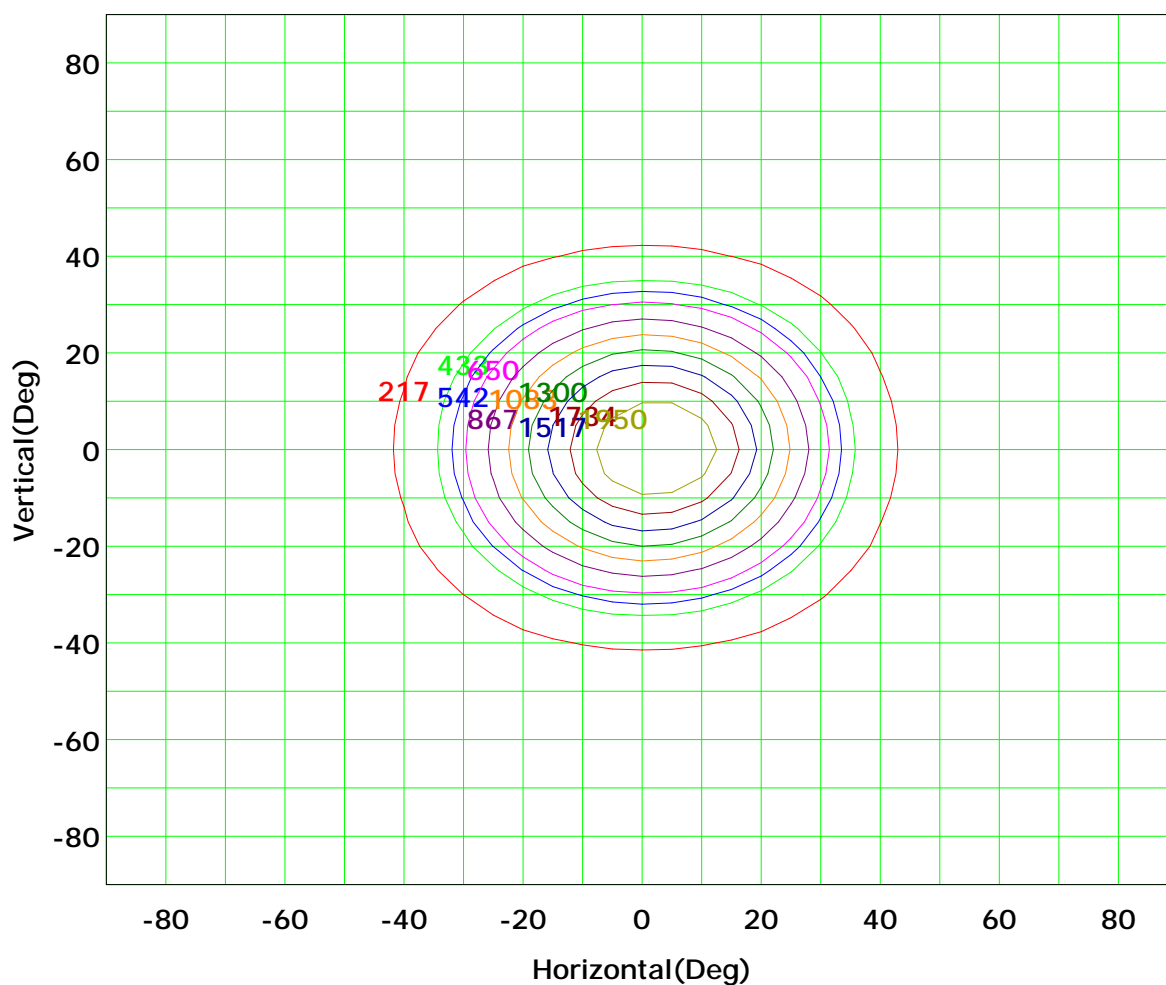
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



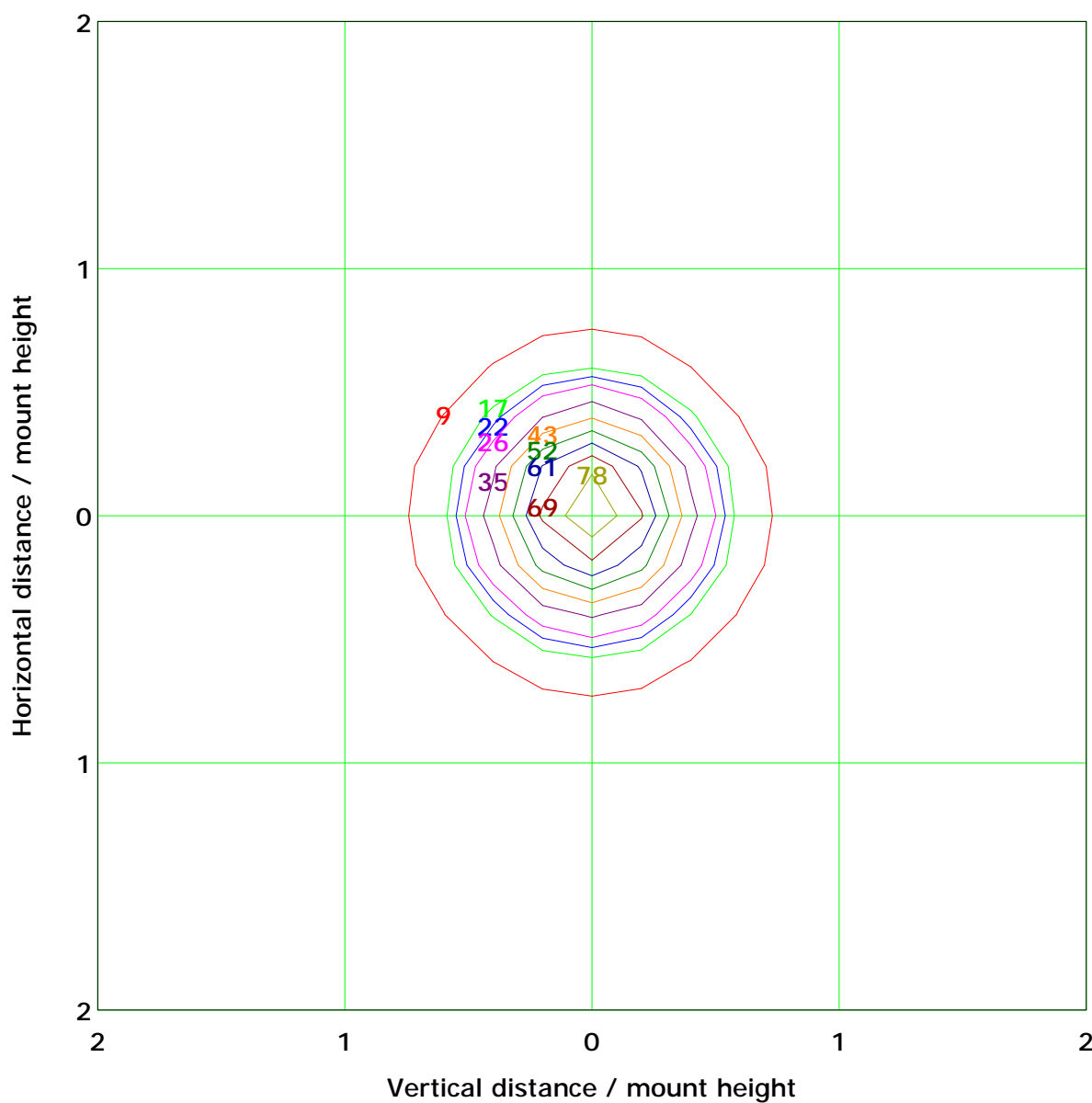
Imax (100%): 2167 cd

(10%): 217 cd	(20%): 433 cd
(25%): 542 cd	(30%): 650 cd
(40%): 867 cd	(50%): 1083 cd
(60%): 1300 cd	(70%): 1517 cd
(80%): 1734 cd	(90%): 1950 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%): 86.5 lx	
(10%): 8.6 lx	(20%): 17.3 lx
(25%): 21.6 lx	(30%): 25.9 lx
(40%): 34.6 lx	(50%): 43.2 lx
(60%): 51.9 lx	(70%): 60.5 lx
(80%): 69.2 lx	(90%): 77.8 lx

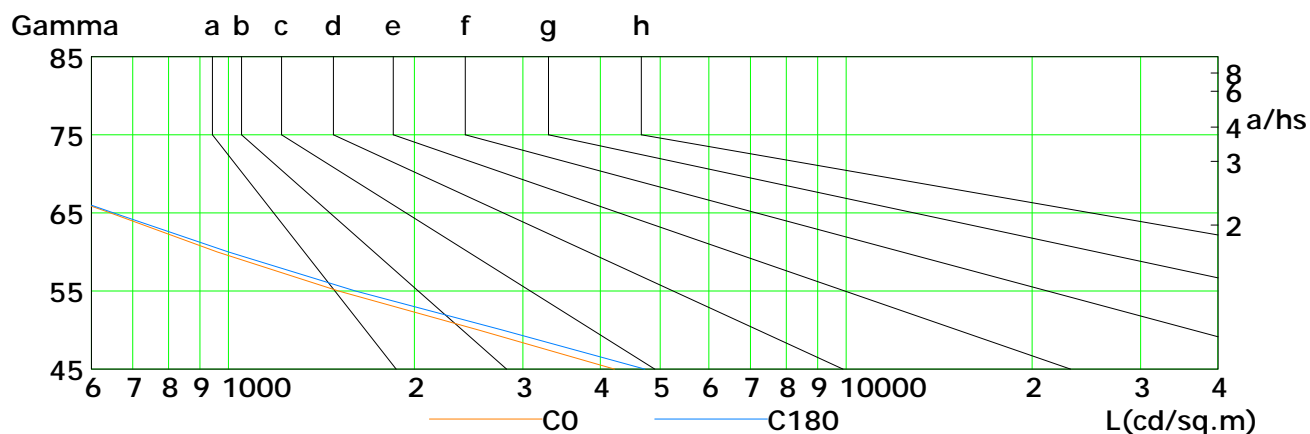
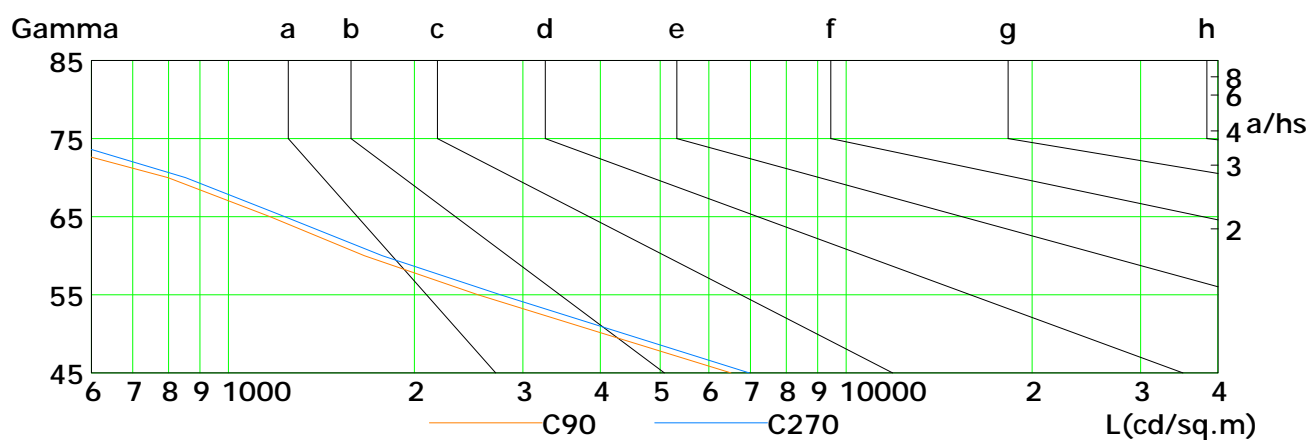
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

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	4217	2543	1507	959	644	428	253	167	89
C90	6511	4058	2538	1661	1168	799	464	312	256
C180	4725	2777	1606	1000	652	430	258	179	96
C270	6967	4383	2757	1777	1234	852	525	355	256

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

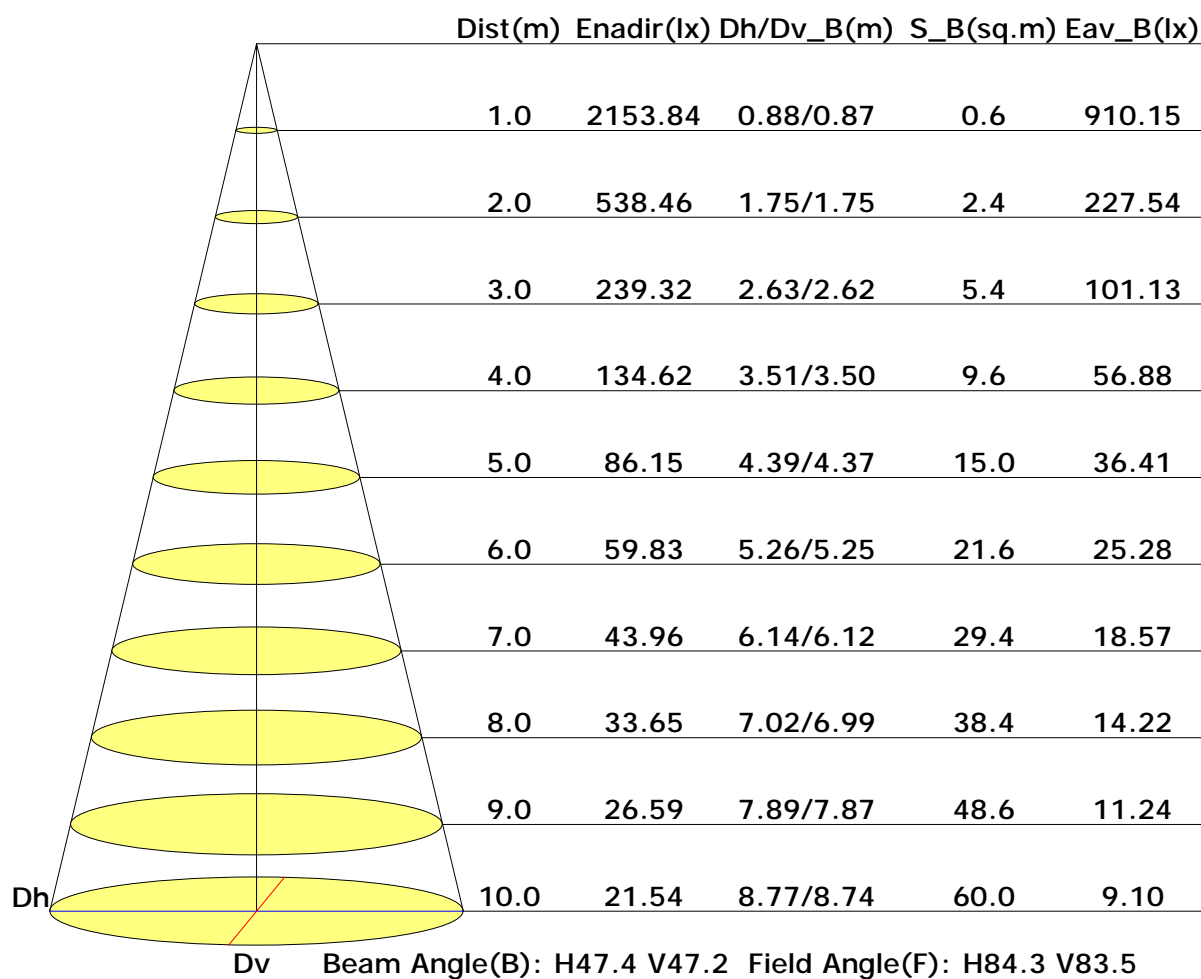
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

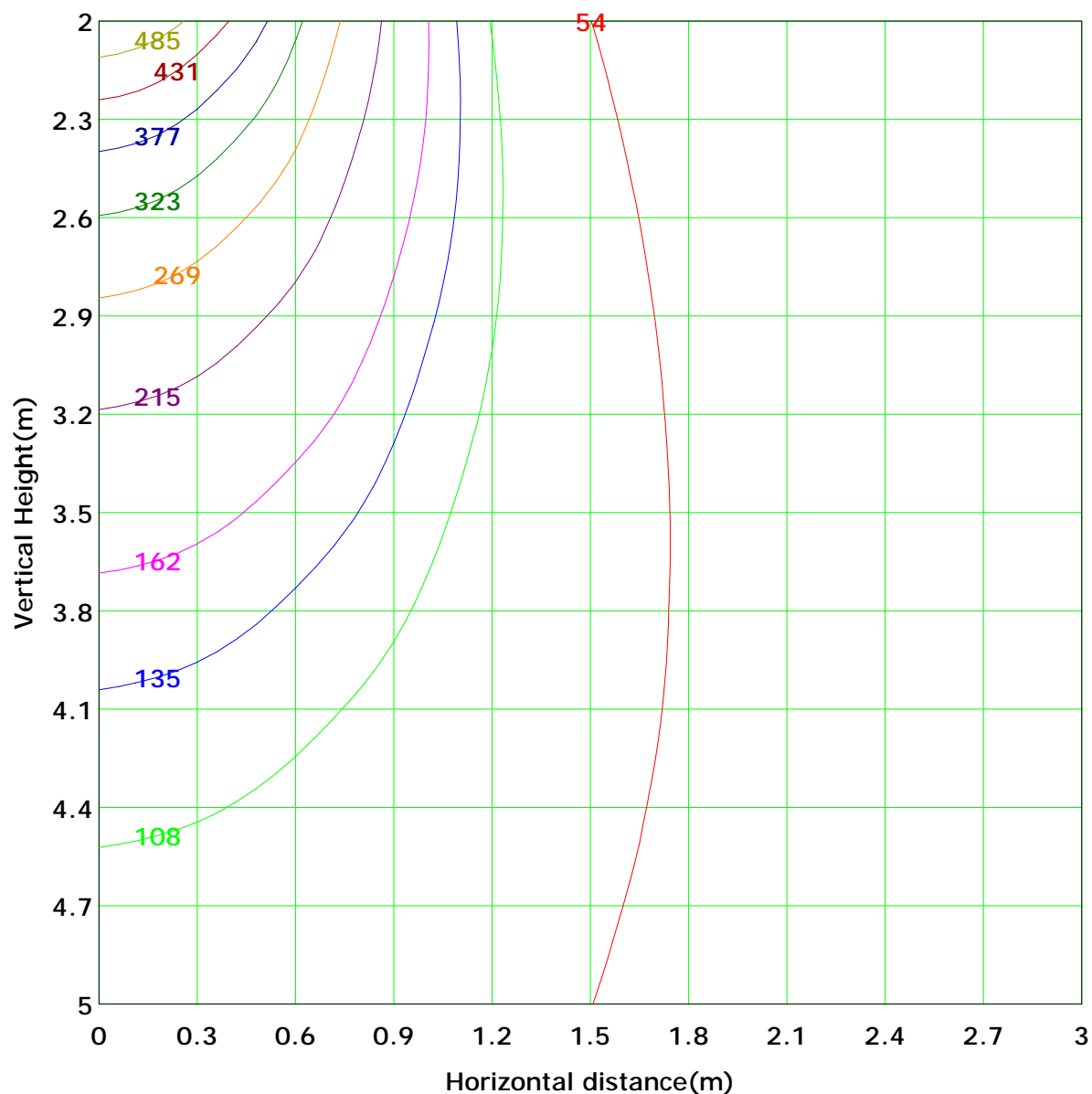
Illuminance at a Distance



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: 538.5 lx
(10%): 53.8 lx	(20%): 107.7 lx	
(25%): 134.6 lx	(30%): 161.5 lx	
(40%): 215.4 lx	(50%): 269.2 lx	
(60%): 323.1 lx	(70%): 376.9 lx	
(80%): 430.8 lx	(90%): 484.6 lx	

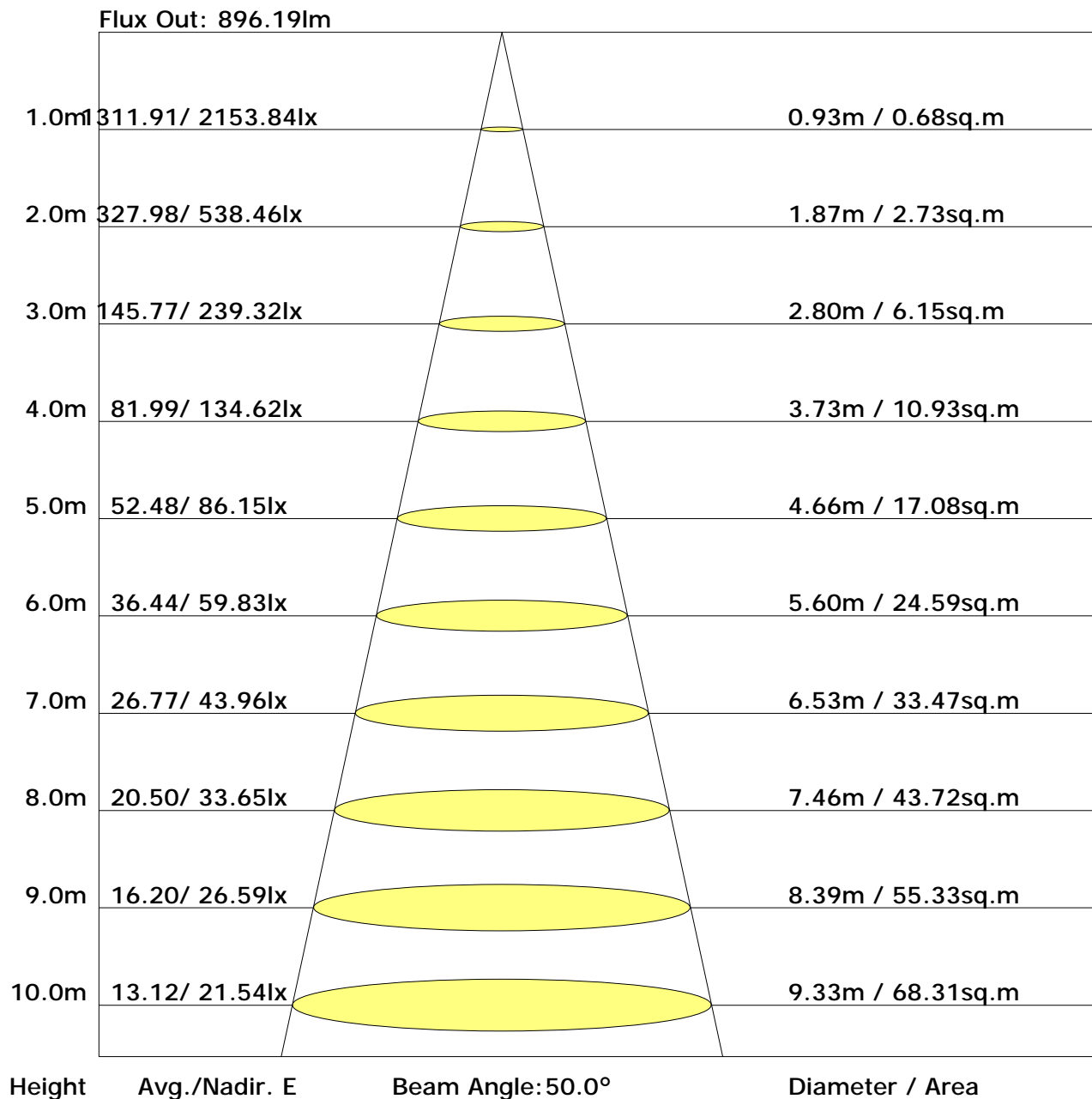
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Kerr

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

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	6.2	7.3	6.6	7.6	8.0	4.6	5.6	5.0	6.0	6.3
3H	6.8	7.7	7.2	8.1	8.5	4.9	5.8	5.3	6.2	6.6
4H	6.9	7.7	7.3	8.1	8.5	4.9	5.7	5.3	6.1	6.5
6H	6.9	7.7	7.4	8.1	8.5	4.8	5.6	5.2	6.0	6.4
8H	7.0	7.7	7.4	8.1	8.5	4.8	5.5	5.2	5.9	6.3
12H	6.9	7.6	7.4	8.0	8.5	4.7	5.4	5.2	5.8	6.3
X=4H Y=2H	6.2	7.0	6.6	7.4	7.8	4.7	5.5	5.1	5.9	6.3
3H	6.8	7.5	7.2	7.9	8.4	5.0	5.7	5.5	6.2	6.6
4H	6.9	7.5	7.4	8.0	8.5	5.0	5.6	5.5	6.1	6.6
6H	7.0	7.5	7.5	8.0	8.5	5.0	5.5	5.5	6.0	6.5
8H	7.0	7.5	7.5	8.0	8.5	4.9	5.4	5.4	5.9	6.4
12H	7.0	7.4	7.5	7.9	8.5	4.9	5.3	5.4	5.8	6.3
X=8H Y=4H	6.8	7.3	7.3	7.7	8.3	4.9	5.4	5.4	5.9	6.4
6H	6.9	7.3	7.4	7.8	8.3	4.9	5.3	5.4	5.8	6.3
8H	6.9	7.2	7.4	7.8	8.3	4.8	5.2	5.4	5.7	6.2
12H	6.9	7.2	7.5	7.7	8.3	4.8	5.1	5.3	5.6	6.2
X=12H Y=4H	6.7	7.1	7.2	7.7	8.2	4.9	5.3	5.4	5.8	6.3
6H	6.8	7.2	7.4	7.7	8.2	4.8	5.2	5.4	5.7	6.2
8H	6.8	7.1	7.4	7.7	8.3	4.8	5.1	5.3	5.6	6.2

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 = 0.75								
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	0.81	0.88	0.93	0.97	1.01	1.04	1.06	1.08	1.10
	0.30		0.76	0.84	0.89	0.92	0.97	1.01	1.03	1.06	1.08
	0.20		0.73	0.80	0.85	0.89	0.94	0.98	1.00	1.04	1.06
0.50	0.50	0.20	0.80	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.06
	0.30		0.75	0.82	0.87	0.90	0.95	0.98	1.00	1.02	1.04
	0.20		0.72	0.79	0.84	0.88	0.92	0.95	0.98	1.01	1.03
0.30	0.50	0.20	0.78	0.85	0.89	0.92	0.95	0.97	0.99	1.01	1.02
	0.30		0.75	0.81	0.86	0.89	0.93	0.95	0.97	0.99	1.00
	0.20		0.72	0.79	0.83	0.86	0.91	0.93	0.95	0.98	0.99
0.00	0.00	0.00	0.70	0.76	0.81	0.83	0.87	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 = 0.75								
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	0.63	0.51	0.42	0.36	0.28	0.23	0.20	0.15	0.12
	0.30		0.53	0.43	0.37	0.32	0.26	0.22	0.18	0.14	0.12
	0.20		0.45	0.38	0.33	0.29	0.23	0.20	0.17	0.14	0.11
0.50	0.50	0.20	0.60	0.48	0.40	0.34	0.26	0.26	0.18	0.14	0.11
	0.30		0.51	0.41	0.35	0.30	0.24	0.20	0.17	0.13	0.11
	0.20		0.44	0.36	0.31	0.27	0.22	0.19	0.16	0.13	0.10
0.30	0.50	0.20	0.57	0.45	0.37	0.32	0.24	0.20	0.17	0.13	0.10
	0.30		0.49	0.40	0.33	0.29	0.23	0.19	0.16	0.12	0.10
	0.20		0.43	0.35	0.30	0.26	0.21	0.17	0.15	0.12	0.10
0.00	0.00	0.00	0.30	0.23	0.19	0.16	0.12	0.10	0.08	0.06	0.05
<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 = 0.75								
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	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.50	0.50	0.20	0.14	0.15	0.17	0.17	0.19	0.19	0.20	0.21	0.21
	0.30		0.10	0.12	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	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	0.18
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<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:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2140.8	2.0	2.0	0.13	0.13
1.0-2.0	2138.0	6.1	8.2	0.39	0.51
2.0-3.0	2131.6	10.2	18.4	0.64	1.16
3.0-4.0	2121.8	14.2	32.6	0.89	2.05
4.0-5.0	2108.0	18.1	50.7	1.14	3.19
5.0-6.0	2089.3	22.0	72.7	1.38	4.57
6.0-7.0	2065.4	25.6	98.3	1.61	6.18
7.0-8.0	2035.9	29.1	127.5	1.83	8.01
8.0-9.0	2001.2	32.4	159.9	2.04	10.05
9.0-10.0	1962.1	35.5	195.4	2.23	12.28
10.0-11.0	1919.1	38.4	233.8	2.41	14.69
11.0-12.0	1872.1	40.9	274.7	2.57	17.26
12.0-13.0	1820.2	43.2	317.9	2.71	19.97
13.0-14.0	1763.8	45.2	363.1	2.84	22.81
14.0-15.0	1702.1	46.7	409.8	2.94	25.75
15.0-16.0	1636.7	48.0	457.7	3.01	28.76
16.0-17.0	1569.7	48.9	506.6	3.07	31.83
17.0-18.0	1500.9	49.5	556.1	3.11	34.94
18.0-19.0	1431.1	49.8	605.9	3.13	38.07
19.0-20.0	1361.9	49.9	655.8	3.13	41.20
20.0-21.0	1292.5	49.6	705.4	3.12	44.32
21.0-22.0	1222.9	49.1	754.6	3.09	47.41
22.0-23.0	1152.7	48.4	802.9	3.04	50.45
23.0-24.0	1081.5	47.3	850.2	2.97	53.42
24.0-25.0	1010.7	46.0	896.2	2.89	56.31
25.0-26.0	941.9	44.5	940.7	2.79	59.10
26.0-27.0	875.5	42.8	983.5	2.69	61.80
27.0-28.0	811.3	41.1	1024.6	2.58	64.38
28.0-29.0	750.1	39.3	1063.8	2.47	66.84
29.0-30.0	692.2	37.4	1101.2	2.35	69.19
30.0-31.0	636.7	35.4	1136.6	2.23	71.42
31.0-32.0	583.9	33.5	1170.1	2.10	73.52
32.0-33.0	534.7	31.5	1201.6	1.98	75.50
33.0-34.0	488.9	29.6	1231.2	1.86	77.36
34.0-35.0	446.3	27.7	1258.9	1.74	79.10
35.0-36.0	407.0	25.9	1284.8	1.63	80.73

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	370.4	24.2	1309.0	1.52	82.25
37.0-38.0	336.5	22.5	1331.5	1.41	83.66
38.0-39.0	305.3	20.8	1352.3	1.31	84.97
39.0-40.0	276.8	19.3	1371.6	1.21	86.18
40.0-41.0	250.4	17.8	1389.4	1.12	87.30
41.0-42.0	226.2	16.4	1405.9	1.03	88.34
42.0-43.0	204.4	15.1	1421.0	0.95	89.29
43.0-44.0	184.3	13.9	1434.9	0.87	90.16
44.0-45.0	165.9	12.8	1447.7	0.80	90.96
45.0-46.0	149.2	11.7	1459.4	0.73	91.70
46.0-47.0	133.8	10.6	1470.0	0.67	92.36
47.0-48.0	119.9	9.7	1479.7	0.61	92.97
48.0-49.0	107.4	8.8	1488.5	0.55	93.53
49.0-50.0	96.1	8.0	1496.5	0.50	94.03
50.0-51.0	85.9	7.3	1503.8	0.46	94.49
51.0-52.0	76.6	6.6	1510.4	0.41	94.90
52.0-53.0	68.3	5.9	1516.3	0.37	95.27
53.0-54.0	60.8	5.4	1521.7	0.34	95.61
54.0-55.0	54.2	4.8	1526.5	0.30	95.92
55.0-56.0	48.4	4.4	1530.9	0.27	96.19
56.0-57.0	43.2	3.9	1534.8	0.25	96.44
57.0-58.0	38.6	3.6	1538.4	0.22	96.66
58.0-59.0	34.6	3.2	1541.6	0.20	96.87
59.0-60.0	31.1	2.9	1544.6	0.18	97.05
60.0-61.0	28.0	2.7	1547.3	0.17	97.22
61.0-62.0	25.3	2.4	1549.7	0.15	97.37
62.0-63.0	22.9	2.2	1551.9	0.14	97.51
63.0-64.0	20.7	2.0	1553.9	0.13	97.64
64.0-65.0	18.7	1.9	1555.8	0.12	97.75
65.0-66.0	16.9	1.7	1557.5	0.11	97.86
66.0-67.0	15.2	1.5	1559.0	0.10	97.96
67.0-68.0	13.7	1.4	1560.4	0.09	98.04
68.0-69.0	12.3	1.3	1561.6	0.08	98.12
69.0-70.0	10.9	1.1	1562.8	0.07	98.19
70.0-71.0	9.7	1.0	1563.8	0.06	98.26
71.0-72.0	8.5	0.9	1564.6	0.06	98.31

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	7.4	0.8	1565.4	0.05	98.36
73.0-74.0	6.3	0.7	1566.1	0.04	98.40
74.0-75.0	5.4	0.6	1566.7	0.04	98.44
75.0-76.0	4.7	0.5	1567.2	0.03	98.47
76.0-77.0	4.2	0.4	1567.6	0.03	98.50
77.0-78.0	3.8	0.4	1568.0	0.03	98.52
78.0-79.0	3.3	0.4	1568.4	0.02	98.54
79.0-80.0	2.9	0.3	1568.7	0.02	98.56
80.0-81.0	2.4	0.3	1568.9	0.02	98.58
81.0-82.0	2.0	0.2	1569.2	0.01	98.59
82.0-83.0	1.8	0.2	1569.4	0.01	98.61
83.0-84.0	1.6	0.2	1569.5	0.01	98.62
84.0-85.0	1.4	0.1	1569.7	0.01	98.63
85.0-86.0	1.2	0.1	1569.8	0.01	98.63
86.0-87.0	1.1	0.1	1569.9	0.01	98.64
87.0-88.0	1.0	0.1	1570.0	0.01	98.65
88.0-89.0	0.9	0.1	1570.1	0.01	98.66
89.0-90.0	0.9	0.1	1570.2	0.01	98.66
90.0-91.0	0.9	0.1	1570.3	0.01	98.67
91.0-92.0	0.9	0.1	1570.4	0.01	98.67
92.0-93.0	0.9	0.1	1570.5	0.01	98.68
93.0-94.0	1.0	0.1	1570.6	0.01	98.69
94.0-95.0	1.0	0.1	1570.8	0.01	98.69
95.0-96.0	1.0	0.1	1570.9	0.01	98.70
96.0-97.0	1.0	0.1	1571.0	0.01	98.71
97.0-98.0	1.0	0.1	1571.1	0.01	98.72
98.0-99.0	1.0	0.1	1571.2	0.01	98.72
99.0-100.0	1.0	0.1	1571.3	0.01	98.73
100.0-101.0	1.1	0.1	1571.4	0.01	98.74
101.0-102.0	1.1	0.1	1571.5	0.01	98.74
102.0-103.0	1.1	0.1	1571.7	0.01	98.75
103.0-104.0	1.1	0.1	1571.8	0.01	98.76
104.0-105.0	1.2	0.1	1571.9	0.01	98.77
105.0-106.0	1.2	0.1	1572.0	0.01	98.77
106.0-107.0	1.2	0.1	1572.1	0.01	98.78
107.0-108.0	1.3	0.1	1572.3	0.01	98.79

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	1.3	0.1	1572.4	0.01	98.80
109.0-110.0	1.3	0.1	1572.6	0.01	98.81
110.0-111.0	1.4	0.1	1572.7	0.01	98.82
111.0-112.0	1.4	0.1	1572.8	0.01	98.83
112.0-113.0	1.5	0.1	1573.0	0.01	98.84
113.0-114.0	1.5	0.2	1573.1	0.01	98.84
114.0-115.0	1.6	0.2	1573.3	0.01	98.85
115.0-116.0	1.7	0.2	1573.5	0.01	98.87
116.0-117.0	1.8	0.2	1573.6	0.01	98.88
117.0-118.0	1.8	0.2	1573.8	0.01	98.89
118.0-119.0	1.9	0.2	1574.0	0.01	98.90
119.0-120.0	2.0	0.2	1574.2	0.01	98.91
120.0-121.0	2.1	0.2	1574.4	0.01	98.92
121.0-122.0	2.2	0.2	1574.6	0.01	98.94
122.0-123.0	2.4	0.2	1574.8	0.01	98.95
123.0-124.0	2.5	0.2	1575.1	0.01	98.96
124.0-125.0	2.6	0.2	1575.3	0.01	98.98
125.0-126.0	2.7	0.2	1575.5	0.02	98.99
126.0-127.0	2.8	0.3	1575.8	0.02	99.01
127.0-128.0	3.0	0.3	1576.0	0.02	99.03
128.0-129.0	3.1	0.3	1576.3	0.02	99.04
129.0-130.0	3.3	0.3	1576.6	0.02	99.06
130.0-131.0	3.5	0.3	1576.9	0.02	99.08
131.0-132.0	3.7	0.3	1577.2	0.02	99.10
132.0-133.0	3.8	0.3	1577.5	0.02	99.12
133.0-134.0	4.0	0.3	1577.8	0.02	99.14
134.0-135.0	4.2	0.3	1578.1	0.02	99.16
135.0-136.0	4.4	0.3	1578.5	0.02	99.18
136.0-137.0	4.6	0.3	1578.8	0.02	99.20
137.0-138.0	4.8	0.4	1579.2	0.02	99.22
138.0-139.0	5.0	0.4	1579.5	0.02	99.25
139.0-140.0	5.2	0.4	1579.9	0.02	99.27
140.0-141.0	5.4	0.4	1580.3	0.02	99.29
141.0-142.0	5.6	0.4	1580.7	0.02	99.32
142.0-143.0	5.8	0.4	1581.1	0.02	99.34
143.0-144.0	6.0	0.4	1581.5	0.02	99.37

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	6.2	0.4	1581.9	0.02	99.39
145.0-146.0	6.5	0.4	1582.3	0.03	99.42
146.0-147.0	6.7	0.4	1582.7	0.03	99.44
147.0-148.0	6.9	0.4	1583.1	0.03	99.47
148.0-149.0	7.1	0.4	1583.5	0.03	99.49
149.0-150.0	7.3	0.4	1583.9	0.03	99.52
150.0-151.0	7.5	0.4	1584.3	0.03	99.55
151.0-152.0	7.7	0.4	1584.7	0.03	99.57
152.0-153.0	7.9	0.4	1585.1	0.03	99.60
153.0-154.0	8.1	0.4	1585.5	0.02	99.62
154.0-155.0	8.3	0.4	1585.9	0.02	99.64
155.0-156.0	8.5	0.4	1586.3	0.02	99.67
156.0-157.0	8.6	0.4	1586.6	0.02	99.69
157.0-158.0	8.8	0.4	1587.0	0.02	99.72
158.0-159.0	9.0	0.4	1587.4	0.02	99.74
159.0-160.0	9.1	0.4	1587.7	0.02	99.76
160.0-161.0	9.3	0.3	1588.1	0.02	99.78
161.0-162.0	9.4	0.3	1588.4	0.02	99.80
162.0-163.0	9.6	0.3	1588.7	0.02	99.82
163.0-164.0	9.7	0.3	1589.0	0.02	99.84
164.0-165.0	9.8	0.3	1589.3	0.02	99.86
165.0-166.0	10.0	0.3	1589.6	0.02	99.88
166.0-167.0	10.1	0.3	1589.8	0.02	99.89
167.0-168.0	10.2	0.2	1590.1	0.02	99.91
168.0-169.0	10.3	0.2	1590.3	0.01	99.92
169.0-170.0	10.4	0.2	1590.5	0.01	99.94
170.0-171.0	10.5	0.2	1590.7	0.01	99.95
171.0-172.0	10.6	0.2	1590.9	0.01	99.96
172.0-173.0	10.7	0.2	1591.0	0.01	99.97
173.0-174.0	10.8	0.1	1591.1	0.01	99.98
174.0-175.0	10.9	0.1	1591.3	0.01	99.98
175.0-176.0	11.0	0.1	1591.4	0.01	99.99
176.0-177.0	11.1	0.1	1591.4	0.00	99.99
177.0-178.0	11.1	0.1	1591.5	0.00	100.00
178.0-179.0	11.2	0.0	1591.5	0.00	100.00
179.0-180.0	11.2	0.0	1591.5	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: