

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P894200

Luminaire Tested: 4MB-SC3-FLT-UNV-CC93-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-FLT-UNV-CC93-HI-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

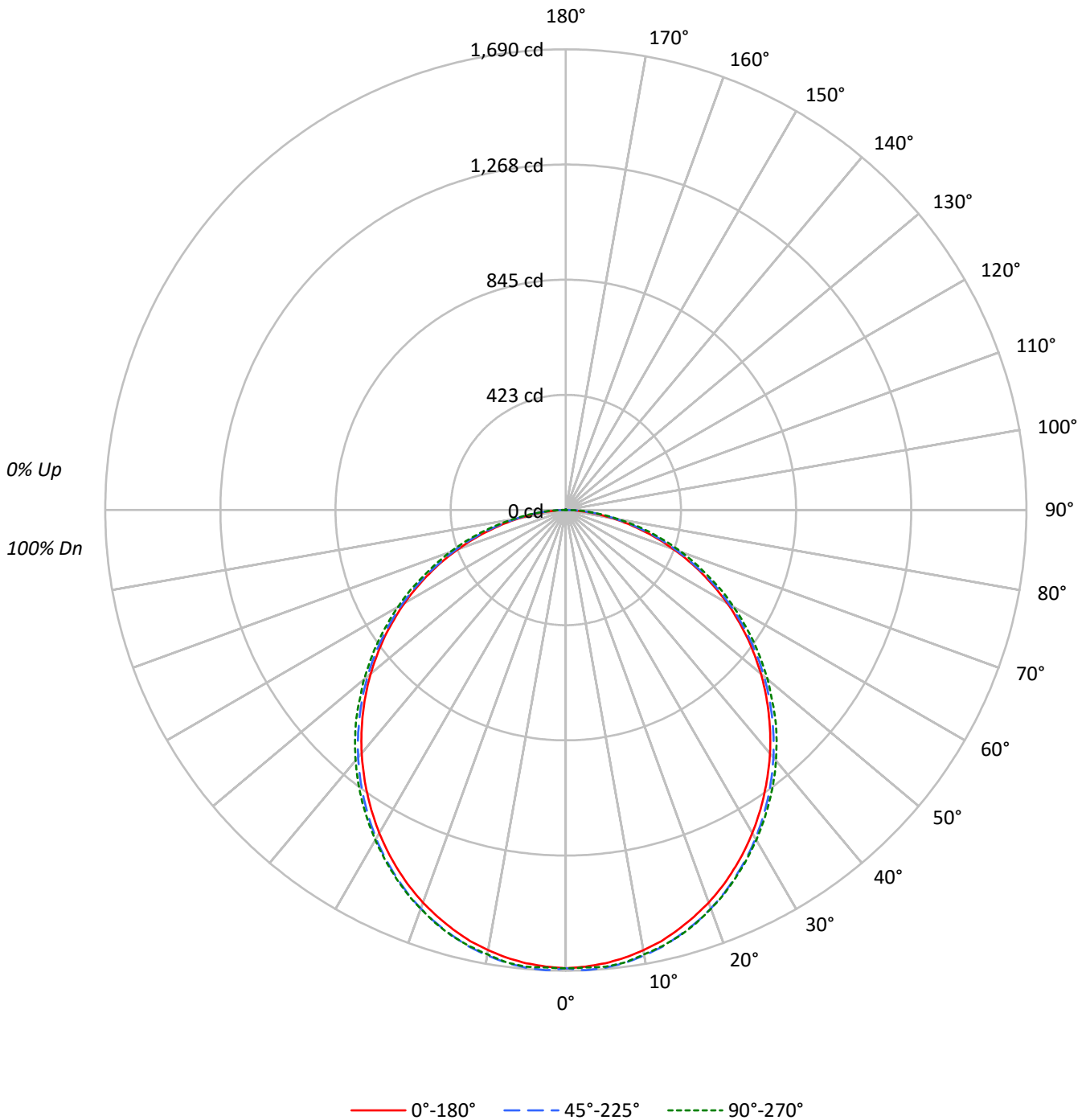
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4666.9 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-5000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11962	11962	11962
5°	11920	12034	12007
10°	11844	11987	11960
15°	11740	11895	11912
20°	11602	11779	11788
25°	11430	11614	11643
30°	11244	11436	11487
35°	11033	11225	11321
40°	10825	11008	11146
45°	10588	10761	10948
50°	10341	10503	10695
55°	10061	10214	10427
60°	9738	9896	10123
65°	9303	9490	9739
70°	8756	9012	9422
75°	8052	8390	8932
80°	7109	7666	8068
85°	6131	7037	7535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10948 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	3.4
10°-20°	453.1	9.7
20°-30°	679.0	14.6
30°-40°	808.0	17.3
40°-50°	829.1	17.8
50°-60°	742.7	15.9
60°-70°	564.3	12.1
70°-80°	328.0	7.0
80°-90°	98.4	2.1
90°-100°	2.3	0.1
100°-110°	0.4	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.5	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1291.2	27.7
0°-40°	2099.1	45.0
0°-60°	3670.9	78.7
0°-90°	4661.7	99.9
90°-120°	2.8	0.1
90°-150°	4.1	0.1
90°-180°	5.0	0.1
0°-180°	4666.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1681	1681	1681	1681	1681	
5°	1669	1697	1685	1676	1681	158
15°	1594	1625	1615	1612	1617	449
25°	1456	1489	1479	1477	1483	671
35°	1270	1301	1292	1296	1303	795
45°	1052	1078	1070	1078	1088	812
55°	811	831	823	833	841	725
65°	553	566	564	574	578	547
75°	293	304	305	316	325	311
85°	75	81	86	92	92	82
90°	1	5	5	9	7	5
95°	0	1	1	2	4	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P894200
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2
2.5°	1676.3	1673.8	1676.3	1675.1	1687.4	1702.2	1699.7	1688.6	1676.3	1680.0	1689.8
5°	1668.9	1667.7	1671.4	1668.9	1681.2	1697.2	1692.3	1682.5	1671.4	1675.1	1684.9
7.5°	1656.6	1656.6	1661.5	1659.1	1670.2	1686.2	1681.2	1672.6	1661.5	1665.2	1675.1
10°	1639.4	1640.6	1646.8	1643.1	1652.9	1670.2	1665.2	1656.6	1646.8	1649.2	1659.1
12.5°	1619.7	1619.7	1627.1	1623.4	1633.2	1649.2	1643.1	1636.9	1627.1	1629.5	1640.6
15°	1593.8	1595.1	1603.7	1600.0	1608.6	1624.6	1618.5	1613.5	1604.9	1606.2	1614.8
17.5°	1564.3	1568.0	1576.6	1572.9	1581.5	1597.5	1590.2	1585.2	1577.8	1579.1	1587.7
20°	1532.3	1536.0	1544.6	1542.2	1548.3	1564.3	1556.9	1554.5	1547.1	1548.3	1555.7
22.5°	1496.6	1500.3	1510.2	1507.7	1513.8	1529.8	1521.2	1520.0	1512.6	1513.8	1520.0
25°	1456.0	1460.9	1472.0	1469.5	1474.5	1489.2	1481.8	1479.4	1474.5	1474.5	1479.4
27.5°	1414.2	1419.1	1431.4	1427.7	1431.4	1447.4	1438.8	1437.5	1432.6	1432.6	1437.5
30°	1368.6	1373.5	1387.1	1383.4	1387.1	1400.6	1392.0	1393.2	1388.3	1388.3	1392.0
32.5°	1320.6	1324.3	1339.1	1336.6	1339.1	1352.6	1344.0	1345.2	1340.3	1341.5	1342.8
35°	1270.2	1273.8	1289.8	1287.4	1288.6	1300.9	1294.8	1294.8	1291.1	1289.8	1292.3
37.5°	1218.5	1222.2	1241.8	1235.7	1235.7	1248.0	1243.1	1243.1	1239.4	1238.2	1239.4
40°	1165.5	1168.0	1188.9	1182.8	1181.5	1192.6	1188.9	1188.9	1186.5	1184.0	1185.2
42.5°	1110.2	1113.8	1134.8	1129.8	1124.9	1137.2	1133.5	1134.8	1131.1	1128.6	1128.6
45°	1052.3	1056.0	1076.9	1074.5	1067.1	1078.2	1074.5	1076.9	1072.0	1069.5	1069.5
47.5°	994.5	999.4	1019.1	1015.4	1008.0	1019.1	1015.4	1017.8	1012.9	1010.5	1010.5
50°	934.2	939.1	960.0	953.8	946.5	957.5	955.1	956.3	952.6	950.2	948.9
52.5°	872.6	878.8	898.5	891.1	884.9	894.8	893.5	894.8	889.8	888.6	887.4
55°	811.1	817.2	835.7	827.1	822.2	830.8	828.3	830.8	825.8	824.6	823.4
57.5°	747.1	753.2	770.5	761.8	758.2	765.5	764.3	765.5	761.8	760.6	759.4
60°	684.3	689.2	705.2	696.6	692.9	700.3	697.8	701.5	696.6	696.6	695.4
62.5°	617.8	624.0	640.0	630.2	627.7	633.8	631.4	635.1	632.6	630.2	628.9
65°	552.6	556.3	571.1	562.5	558.8	566.2	564.9	567.4	563.7	564.9	563.7
67.5°	487.4	489.8	504.6	494.8	492.3	499.7	500.9	499.7	497.2	498.5	497.2
70°	420.9	423.4	435.7	427.1	425.8	432.0	434.5	433.2	430.8	432.0	433.2
72.5°	356.9	358.2	369.2	361.8	360.6	368.0	368.0	368.0	368.0	368.0	370.5
75°	292.9	294.2	304.0	297.8	296.6	304.0	304.0	304.0	304.0	306.5	305.2
77.5°	231.4	230.2	240.0	236.3	233.8	241.2	241.2	242.5	244.9	247.4	243.7
80°	173.5	172.3	179.7	174.8	174.8	182.2	180.9	182.2	184.6	185.8	187.1
82.5°	121.8	119.4	125.5	124.3	123.1	129.2	130.5	129.2	132.9	134.2	134.2
85°	75.1	75.1	78.8	76.3	76.3	81.2	81.2	82.5	84.9	86.2	86.2
87.5°	35.7	34.5	38.2	36.9	35.7	39.4	39.4	40.6	41.8	43.1	41.8
90°	1.2	1.2	2.5	2.5	2.5	4.9	4.9	4.9	6.2	6.2	4.9
92.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5
95°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2
132.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
135°	0.0	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0	1.2
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
170°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
175°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2	2.5	2.5
177.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2	1681.2
2.5°	1675.1	1666.5	1662.8	1665.2	1682.5	1665.2	1683.7	1689.8	1667.7	1680.0
5°	1670.2	1661.5	1656.6	1659.1	1676.3	1660.3	1680.0	1687.4	1668.9	1681.2
7.5°	1660.3	1650.5	1648.0	1651.7	1666.5	1652.9	1672.6	1680.0	1661.5	1673.8
10°	1645.5	1636.9	1634.5	1638.2	1651.7	1638.2	1655.4	1661.5	1644.3	1655.4
12.5°	1627.1	1618.5	1616.0	1620.9	1633.2	1620.9	1638.2	1644.3	1627.1	1638.2
15°	1603.7	1595.1	1593.8	1601.2	1612.3	1601.2	1618.5	1623.4	1606.2	1617.2
17.5°	1575.4	1566.8	1568.0	1576.6	1585.2	1575.4	1591.4	1596.3	1580.3	1588.9
20°	1544.6	1534.8	1537.2	1544.6	1552.0	1542.2	1558.2	1563.1	1548.3	1556.9
22.5°	1508.9	1499.1	1501.5	1510.2	1515.1	1506.5	1521.2	1526.2	1513.8	1522.5
25°	1469.5	1460.9	1464.6	1473.2	1476.9	1469.5	1483.1	1486.8	1475.7	1483.1
27.5°	1430.2	1420.3	1425.2	1433.8	1436.3	1428.9	1442.5	1444.9	1433.8	1441.2
30°	1385.8	1376.0	1382.2	1392.0	1392.0	1387.1	1398.2	1400.6	1392.0	1398.2
32.5°	1336.6	1329.2	1336.6	1345.2	1344.0	1340.3	1351.4	1353.8	1346.5	1351.4
35°	1287.4	1281.2	1288.6	1297.2	1296.0	1292.3	1303.4	1304.6	1298.5	1303.4
37.5°	1236.9	1232.0	1239.4	1246.8	1244.3	1241.8	1251.7	1251.7	1248.0	1252.9
40°	1185.2	1180.3	1186.5	1195.1	1190.2	1190.2	1196.3	1198.8	1195.1	1200.0
42.5°	1131.1	1126.2	1133.5	1140.9	1136.0	1134.8	1142.2	1143.4	1140.9	1144.6
45°	1074.5	1069.5	1076.9	1083.1	1078.2	1078.2	1084.3	1084.3	1083.1	1088.0
47.5°	1016.6	1012.9	1019.1	1025.2	1020.3	1024.0	1024.0	1024.0	1026.5	1025.2
50°	957.5	953.8	958.8	966.2	960.0	961.2	963.7	963.7	964.9	966.2
52.5°	896.0	891.1	896.0	904.6	896.0	899.7	900.9	902.2	905.8	903.4
55°	834.5	829.5	834.5	841.8	833.2	838.2	838.2	839.4	843.1	840.6
57.5°	770.5	765.5	772.9	777.8	769.2	774.2	774.2	776.6	779.1	775.4
60°	706.5	702.8	705.2	713.8	705.2	710.2	710.2	710.2	715.1	711.4
62.5°	641.2	638.8	641.2	648.6	640.0	644.9	643.7	644.9	649.8	648.6
65°	574.8	572.3	574.8	582.2	573.5	578.5	578.5	579.7	583.4	578.5
67.5°	509.5	505.8	509.5	515.7	508.3	512.0	512.0	512.0	518.2	515.7
70°	443.1	440.6	443.1	449.2	443.1	445.5	445.5	445.5	451.7	452.9
72.5°	377.8	377.8	380.3	385.2	380.3	385.2	381.5	379.1	387.7	388.9
75°	313.8	315.1	316.3	321.2	316.3	321.2	318.8	316.3	323.7	324.9
77.5°	254.8	254.8	256.0	259.7	256.0	259.7	257.2	257.2	262.2	260.9
80°	194.5	194.5	195.7	199.4	195.7	199.4	196.9	196.9	201.8	196.9
82.5°	141.5	141.5	141.5	145.2	142.8	145.2	144.0	141.5	147.7	142.8
85°	91.1	92.3	92.3	93.5	92.3	93.5	93.5	92.3	96.0	92.3
87.5°	46.8	46.8	46.8	48.0	46.8	46.8	48.0	46.8	49.2	48.0
90°	8.6	7.4	7.4	9.8	8.6	8.6	9.8	7.4	8.6	7.4
92.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9
95°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
97.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
100°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
102.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
105°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2



TEST NUMBER: P894200
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P894200
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		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	20.13	21.77	20.50	22.08	22.40	20.27	21.90	20.63	22.22	22.54
	3H	21.95	23.43	22.33	23.76	24.13	22.10	23.58	22.48	23.91	24.27
	4H	22.61	24.01	23.01	24.36	24.74	22.81	24.20	23.21	24.55	24.93
	6H	23.07	24.36	23.48	24.73	25.12	23.36	24.66	23.78	25.02	25.42
	8H	23.21	24.44	23.63	24.83	25.23	23.56	24.79	23.98	25.19	25.59
	12H	23.30	24.49	23.73	24.87	25.30	23.70	24.88	24.13	25.27	25.70
4H	2H	20.76	22.16	21.16	22.51	22.89	20.87	22.27	21.27	22.62	23.00
	3H	22.80	23.98	23.22	24.38	24.78	22.94	24.11	23.35	24.51	24.91
	4H	23.60	24.66	24.03	25.07	25.51	23.78	24.84	24.22	25.26	25.70
	6H	24.17	25.10	24.63	25.54	26.00	24.48	25.40	24.93	25.85	26.30
	8H	24.36	25.23	24.82	25.68	26.14	24.72	25.59	25.18	26.03	26.50
	12H	24.51	25.29	24.99	25.77	26.24	24.91	25.70	25.40	26.17	26.64
8H	4H	23.93	24.80	24.39	25.24	25.71	24.09	24.96	24.55	25.41	25.87
	6H	24.63	25.35	25.12	25.84	26.32	24.92	25.64	25.41	26.13	26.61
	8H	24.89	25.54	25.40	26.05	26.54	25.25	25.90	25.76	26.41	26.89
	12H	25.11	25.68	25.62	26.18	26.74	25.53	26.11	26.04	26.60	27.16
12H	4H	23.97	24.75	24.45	25.23	25.70	24.12	24.91	24.61	25.38	25.86
	6H	24.70	25.35	25.21	25.86	26.35	24.97	25.63	25.48	26.13	26.62
	8H	25.03	25.60	25.53	26.09	26.66	25.37	25.94	25.88	26.44	27.00