

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: P894199

Luminaire Tested: 4MB-SC3-FLT-UNV-CC93-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894199
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-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

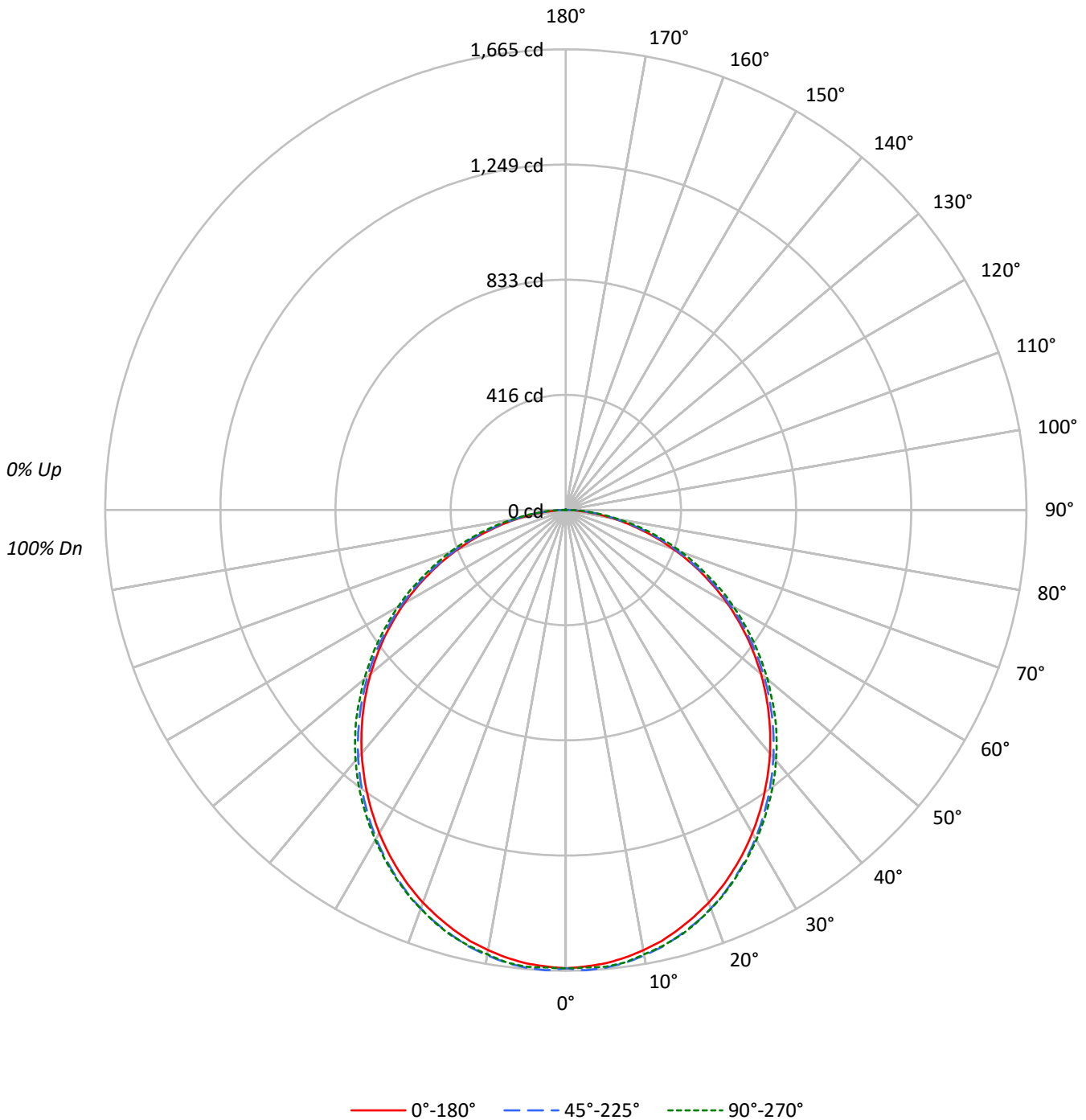
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4598.0 lumens
Efficiency: N/A
Efficacy: 90.7 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-4000K

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°	11785	11785	11785
5°	11744	11856	11830
10°	11669	11809	11783
15°	11567	11719	11736
20°	11431	11605	11614
25°	11262	11442	11471
30°	11078	11267	11317
35°	10869	11059	11153
40°	10665	10846	10981
45°	10432	10602	10786
50°	10187	10348	10537
55°	9913	10063	10274
60°	9594	9749	9974
65°	9165	9350	9595
70°	8627	8879	9282
75°	7934	8266	8800
80°	7006	7551	7949
85°	6041	6931	7421

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	3.4
10°-20°	446.4	9.7
20°-30°	669.0	14.5
30°-40°	796.0	17.3
40°-50°	816.8	17.8
50°-60°	731.7	15.9
60°-70°	556.0	12.1
70°-80°	323.2	7.0
80°-90°	97.0	2.1
90°-100°	2.3	0.0
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°	1272.1	27.7
0°-40°	2068.1	45.0
0°-60°	3616.7	78.7
0°-90°	4592.8	99.9
90°-120°	2.7	0.1
90°-150°	4.1	0.1
90°-180°	5.0	0.1
0°-180°	4598.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1656	1656	1656	1656	1656	
5°	1644	1672	1660	1652	1656	156
15°	1570	1601	1591	1588	1593	443
25°	1434	1467	1458	1455	1461	661
35°	1251	1282	1273	1277	1284	783
45°	1037	1062	1054	1062	1072	800
55°	799	818	811	821	828	714
65°	544	558	555	565	570	539
75°	289	300	301	312	320	306
85°	74	80	85	91	91	81
90°	1	5	5	8	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: P894199
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4
2.5°	1651.5	1649.1	1651.5	1650.3	1662.4	1677.0	1674.6	1663.7	1651.5	1655.2	1664.9
5°	1644.3	1643.0	1646.7	1644.3	1656.4	1672.1	1667.3	1657.6	1646.7	1650.3	1660.0
7.5°	1632.1	1632.1	1637.0	1634.5	1645.5	1661.2	1656.4	1647.9	1637.0	1640.6	1650.3
10°	1615.1	1616.4	1622.4	1618.8	1628.5	1645.5	1640.6	1632.1	1622.4	1624.8	1634.5
12.5°	1595.7	1595.7	1603.0	1599.4	1609.1	1624.8	1618.8	1612.7	1603.0	1605.4	1616.4
15°	1570.3	1571.5	1580.0	1576.3	1584.8	1600.6	1594.5	1589.7	1581.2	1582.4	1590.9
17.5°	1541.2	1544.8	1553.3	1549.7	1558.2	1573.9	1566.6	1561.8	1554.5	1555.7	1564.2
20°	1509.7	1513.3	1521.8	1519.4	1525.4	1541.2	1533.9	1531.5	1524.2	1525.4	1532.7
22.5°	1474.5	1478.1	1487.8	1485.4	1491.5	1507.2	1498.7	1497.5	1490.3	1491.5	1497.5
25°	1434.5	1439.3	1450.2	1447.8	1452.7	1467.2	1459.9	1457.5	1452.7	1452.7	1457.5
27.5°	1393.2	1398.1	1410.2	1406.6	1410.2	1426.0	1417.5	1416.3	1411.4	1411.4	1416.3
30°	1348.4	1353.2	1366.6	1362.9	1366.6	1379.9	1371.4	1372.6	1367.8	1367.8	1371.4
32.5°	1301.1	1304.7	1319.3	1316.9	1319.3	1332.6	1324.1	1325.3	1320.5	1321.7	1322.9
35°	1251.4	1255.0	1270.8	1268.4	1269.6	1281.7	1275.6	1275.6	1272.0	1270.8	1273.2
37.5°	1200.4	1204.1	1223.5	1217.4	1217.4	1229.5	1224.7	1224.7	1221.1	1219.8	1221.1
40°	1148.3	1150.7	1171.3	1165.3	1164.1	1175.0	1171.3	1171.3	1168.9	1166.5	1167.7
42.5°	1093.7	1097.4	1118.0	1113.1	1108.3	1120.4	1116.8	1118.0	1114.4	1111.9	1111.9
45°	1036.8	1040.4	1061.0	1058.6	1051.3	1062.2	1058.6	1061.0	1056.2	1053.7	1053.7
47.5°	979.8	984.6	1004.0	1000.4	993.1	1004.0	1000.4	1002.8	997.9	995.5	995.5
50°	920.3	925.2	945.8	939.7	932.5	943.4	941.0	942.2	938.5	936.1	934.9
52.5°	859.7	865.8	885.2	877.9	871.8	881.5	880.3	881.5	876.7	875.5	874.3
55°	799.1	805.1	823.3	814.8	810.0	818.5	816.1	818.5	813.6	812.4	811.2
57.5°	736.0	742.1	759.1	750.6	746.9	754.2	753.0	754.2	750.6	749.4	748.2
60°	674.2	679.0	694.8	686.3	682.7	690.0	687.5	691.2	686.3	686.3	685.1
62.5°	608.7	614.8	630.5	620.8	618.4	624.5	622.1	625.7	623.3	620.8	619.6
65°	544.4	548.1	562.6	554.1	550.5	557.8	556.6	559.0	555.4	556.6	555.4
67.5°	480.2	482.6	497.2	487.5	485.0	492.3	493.5	492.3	489.9	491.1	489.9
70°	414.7	417.1	429.3	420.8	419.6	425.6	428.0	426.8	424.4	425.6	426.8
72.5°	351.6	352.9	363.8	356.5	355.3	362.6	362.6	362.6	362.6	362.6	365.0
75°	288.6	289.8	299.5	293.4	292.2	299.5	299.5	299.5	299.5	301.9	300.7
77.5°	228.0	226.8	236.5	232.8	230.4	237.7	237.7	238.9	241.3	243.7	240.1
80°	171.0	169.8	177.0	172.2	172.2	179.5	178.2	179.5	181.9	183.1	184.3
82.5°	120.0	117.6	123.7	122.5	121.3	127.3	128.5	127.3	131.0	132.2	132.2
85°	74.0	74.0	77.6	75.2	75.2	80.0	80.0	81.2	83.7	84.9	84.9
87.5°	35.2	34.0	37.6	36.4	35.2	38.8	38.8	40.0	41.2	42.4	41.2
90°	1.2	1.2	2.4	2.4	2.4	4.9	4.9	4.9	6.1	6.1	4.9
92.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
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°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
170°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
175°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	2.4	2.4
177.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4	1656.4
2.5°	1650.3	1641.8	1638.2	1640.6	1657.6	1640.6	1658.8	1664.9	1643.0	1655.2
5°	1645.5	1637.0	1632.1	1634.5	1651.5	1635.8	1655.2	1662.4	1644.3	1656.4
7.5°	1635.8	1626.1	1623.6	1627.3	1641.8	1628.5	1647.9	1655.2	1637.0	1649.1
10°	1621.2	1612.7	1610.3	1613.9	1627.3	1613.9	1630.9	1637.0	1620.0	1630.9
12.5°	1603.0	1594.5	1592.1	1597.0	1609.1	1597.0	1613.9	1620.0	1603.0	1613.9
15°	1580.0	1571.5	1570.3	1577.6	1588.5	1577.6	1594.5	1599.4	1582.4	1593.3
17.5°	1552.1	1543.6	1544.8	1553.3	1561.8	1552.1	1567.9	1572.7	1556.9	1565.4
20°	1521.8	1512.1	1514.5	1521.8	1529.1	1519.4	1535.1	1540.0	1525.4	1533.9
22.5°	1486.6	1476.9	1479.3	1487.8	1492.7	1484.2	1498.7	1503.6	1491.5	1500.0
25°	1447.8	1439.3	1443.0	1451.5	1455.1	1447.8	1461.2	1464.8	1453.9	1461.2
27.5°	1409.0	1399.3	1404.2	1412.6	1415.1	1407.8	1421.1	1423.6	1412.6	1419.9
30°	1365.4	1355.7	1361.7	1371.4	1371.4	1366.6	1377.5	1379.9	1371.4	1377.5
32.5°	1316.9	1309.6	1316.9	1325.3	1324.1	1320.5	1331.4	1333.8	1326.6	1331.4
35°	1268.4	1262.3	1269.6	1278.1	1276.8	1273.2	1284.1	1285.3	1279.3	1284.1
37.5°	1218.6	1213.8	1221.1	1228.3	1225.9	1223.5	1233.2	1233.2	1229.5	1234.4
40°	1167.7	1162.9	1168.9	1177.4	1172.6	1172.6	1178.6	1181.0	1177.4	1182.3
42.5°	1114.4	1109.5	1116.8	1124.1	1119.2	1118.0	1125.3	1126.5	1124.1	1127.7
45°	1058.6	1053.7	1061.0	1067.1	1062.2	1062.2	1068.3	1068.3	1067.1	1071.9
47.5°	1001.6	997.9	1004.0	1010.1	1005.2	1008.9	1008.9	1008.9	1011.3	1010.1
50°	943.4	939.7	944.6	951.9	945.8	947.0	949.4	949.4	950.7	951.9
52.5°	882.8	877.9	882.8	891.2	882.8	886.4	887.6	888.8	892.5	890.0
55°	822.1	817.3	822.1	829.4	820.9	825.8	825.8	827.0	830.6	828.2
57.5°	759.1	754.2	761.5	766.3	757.9	762.7	762.7	765.1	767.6	763.9
60°	696.0	692.4	694.8	703.3	694.8	699.7	699.7	699.7	704.5	700.9
62.5°	631.8	629.3	631.8	639.0	630.5	635.4	634.2	635.4	640.2	639.0
65°	566.3	563.8	566.3	573.5	565.1	569.9	569.9	571.1	574.8	569.9
67.5°	502.0	498.4	502.0	508.1	500.8	504.4	504.4	504.4	510.5	508.1
70°	436.5	434.1	436.5	442.6	436.5	439.0	439.0	439.0	445.0	446.2
72.5°	372.3	372.3	374.7	379.5	374.7	379.5	375.9	373.5	382.0	383.2
75°	309.2	310.4	311.6	316.5	311.6	316.5	314.1	311.6	318.9	320.1
77.5°	251.0	251.0	252.2	255.9	252.2	255.9	253.4	253.4	258.3	257.1
80°	191.6	191.6	192.8	196.4	192.8	196.4	194.0	194.0	198.9	194.0
82.5°	139.4	139.4	139.4	143.1	140.7	143.1	141.9	139.4	145.5	140.7
85°	89.7	90.9	90.9	92.2	90.9	92.2	92.2	90.9	94.6	90.9
87.5°	46.1	46.1	46.1	47.3	46.1	46.1	47.3	46.1	48.5	47.3
90°	8.5	7.3	7.3	9.7	8.5	8.5	9.7	7.3	8.5	7.3
92.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.9	4.9
95°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6
97.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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: P894199
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-4000K

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: P894199
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-4000K

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	20.08	21.71	20.44	22.03	22.35	20.21	21.85	20.58	22.17	22.48
	3H	21.90	23.38	22.28	23.71	24.07	22.05	23.53	22.43	23.86	24.22
	4H	22.56	23.96	22.96	24.31	24.69	22.75	24.15	23.15	24.50	24.88
	6H	23.01	24.31	23.43	24.68	25.07	23.31	24.61	23.72	24.97	25.37
	8H	23.15	24.39	23.58	24.78	25.18	23.51	24.74	23.93	25.13	25.53
	12H	23.25	24.44	23.68	24.82	25.25	23.65	24.83	24.08	25.22	25.65
4H	2H	20.71	22.11	21.11	22.46	22.84	20.82	22.21	21.22	22.56	22.94
	3H	22.75	23.92	23.16	24.32	24.73	22.89	24.06	23.30	24.46	24.86
	4H	23.55	24.61	23.98	25.02	25.46	23.73	24.79	24.16	25.21	25.65
	6H	24.12	25.05	24.58	25.49	25.95	24.42	25.35	24.88	25.79	26.25
	8H	24.31	25.18	24.77	25.62	26.09	24.67	25.54	25.13	25.98	26.45
	12H	24.45	25.24	24.94	25.71	26.18	24.86	25.64	25.34	26.12	26.59
8H	4H	23.87	24.74	24.34	25.19	25.66	24.04	24.91	24.50	25.35	25.82
	6H	24.58	25.30	25.07	25.79	26.27	24.87	25.59	25.36	26.08	26.56
	8H	24.84	25.49	25.35	26.00	26.49	25.20	25.85	25.71	26.35	26.84
	12H	25.06	25.63	25.57	26.12	26.69	25.48	26.06	25.99	26.55	27.11
12H	4H	23.92	24.70	24.40	25.18	25.65	24.07	24.85	24.55	25.33	25.80
	6H	24.65	25.30	25.16	25.81	26.30	24.92	25.57	25.43	26.08	26.57
	8H	24.97	25.55	25.48	26.04	26.60	25.32	25.89	25.82	26.38	26.95