

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: P893735

Luminaire Tested: 4MB-6SL-FLT-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893735
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-6SL-FLT-UNV-L940
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

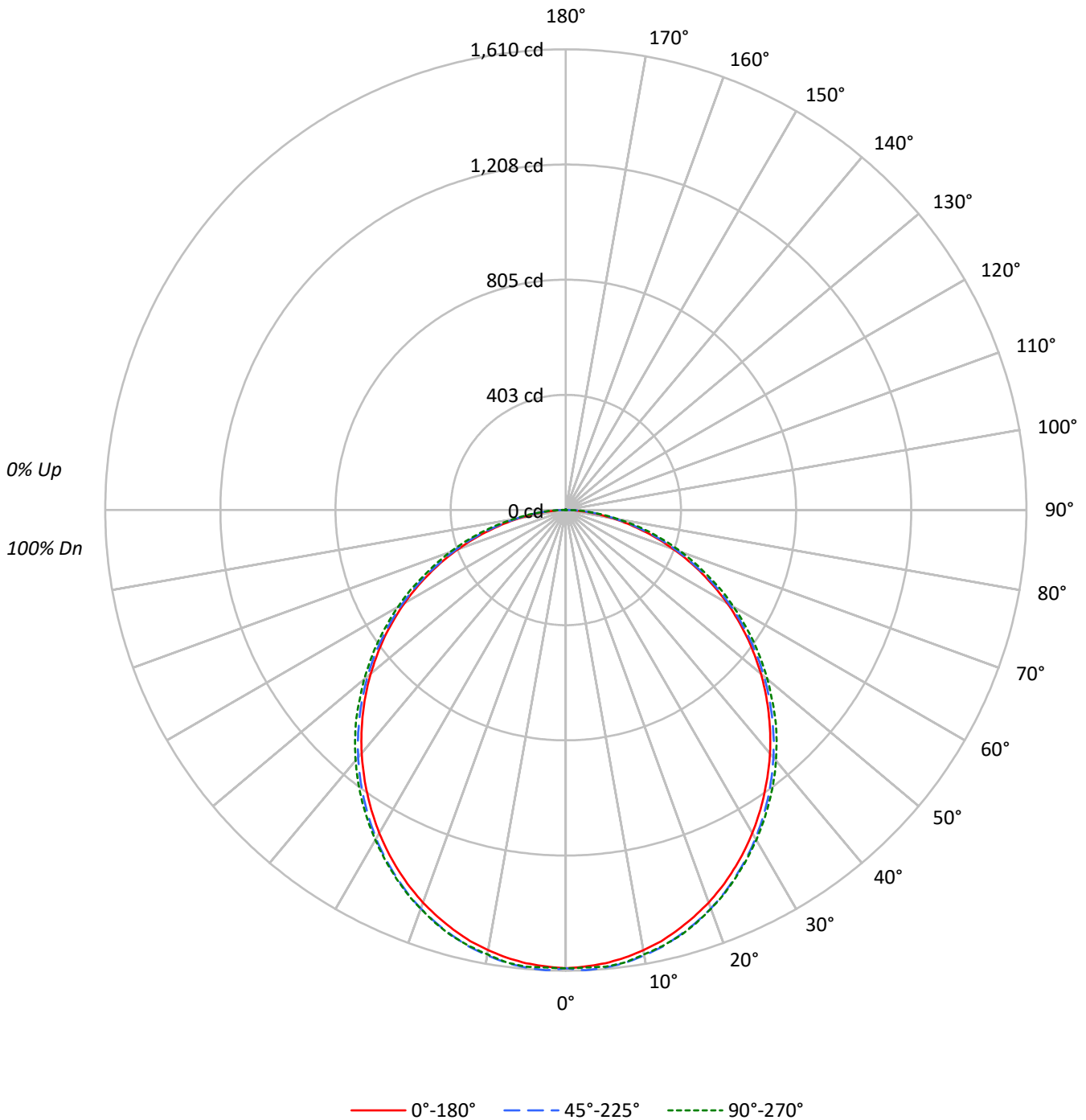
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4446.1 lumens
Efficiency: N/A
Efficacy: 100.1 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): 44.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893735
CATALOG NUMBER: 4MB-6SL-FLT-UNV-L940

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	11395	11395	11395
5°	11355	11464	11439
10°	11284	11419	11393
15°	11185	11331	11349
20°	11052	11221	11230
25°	10889	11064	11091
30°	10712	10895	10942
35°	10510	10693	10785
40°	10312	10487	10618
45°	10087	10252	10429
50°	9850	10006	10188
55°	9585	9730	9934
60°	9277	9427	9644
65°	8862	9041	9278
70°	8342	8585	8976
75°	7673	7994	8508
80°	6773	7302	7687
85°	5837	6702	7176

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10429 cd/sqm



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 CATALOG NUMBER: 4MB-6SL-FLT-UNV-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	3.4
10°-20°	431.7	9.7
20°-30°	646.9	14.5
30°-40°	769.7	17.3
40°-50°	789.8	17.8
50°-60°	707.6	15.9
60°-70°	537.6	12.1
70°-80°	312.5	7.0
80°-90°	93.8	2.1
90°-100°	2.2	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°	0.1	0.0
0°-30°	1230.0	27.7
0°-40°	1999.7	45.0
0°-60°	3497.1	78.7
0°-90°	4441.0	99.9
90°-120°	2.7	0.1
90°-150°	4.0	0.1
90°-180°	5.0	0.1
0°-180°	4446.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1602	1602	1602	1602	1602	
5°	1590	1617	1605	1597	1602	151
15°	1518	1548	1538	1536	1541	428
25°	1387	1419	1409	1407	1413	639
35°	1210	1239	1231	1235	1242	757
45°	1002	1027	1019	1027	1036	774
55°	773	791	784	794	801	690
65°	526	539	537	546	551	521
75°	279	290	291	301	310	296
85°	72	77	82	88	88	78
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	



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 CATALOG NUMBER: 4MB-6SL-FLT-UNV-L940

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6
2.5°	1596.9	1594.6	1596.9	1595.8	1607.5	1621.6	1619.2	1608.7	1596.9	1600.4	1609.8
5°	1589.9	1588.7	1592.2	1589.9	1601.6	1616.9	1612.2	1602.8	1592.2	1595.8	1605.1
7.5°	1578.2	1578.2	1582.9	1580.5	1591.1	1606.3	1601.6	1593.4	1582.9	1586.4	1595.8
10°	1561.8	1562.9	1568.8	1565.3	1574.7	1591.1	1586.4	1578.2	1568.8	1571.1	1580.5
12.5°	1543.0	1543.0	1550.0	1546.5	1555.9	1571.1	1565.3	1559.4	1550.0	1552.4	1562.9
15°	1518.4	1519.5	1527.8	1524.2	1532.4	1547.7	1541.8	1537.1	1528.9	1530.1	1538.3
17.5°	1490.2	1493.8	1502.0	1498.4	1506.6	1521.9	1514.9	1510.2	1503.1	1504.3	1512.5
20°	1459.7	1463.3	1471.5	1469.1	1475.0	1490.2	1483.2	1480.9	1473.8	1475.0	1482.0
22.5°	1425.7	1429.3	1438.6	1436.3	1442.2	1457.4	1449.2	1448.0	1441.0	1442.2	1448.0
25°	1387.1	1391.7	1402.3	1400.0	1404.6	1418.7	1411.7	1409.3	1404.6	1404.6	1409.3
27.5°	1347.2	1351.9	1363.6	1360.1	1363.6	1378.8	1370.6	1369.5	1364.8	1364.8	1369.5
30°	1303.8	1308.5	1321.4	1317.9	1321.4	1334.3	1326.1	1327.3	1322.6	1322.6	1326.1
32.5°	1258.1	1261.6	1275.7	1273.3	1275.7	1288.6	1280.4	1281.5	1276.8	1278.0	1279.2
35°	1210.0	1213.5	1228.8	1226.4	1227.6	1239.3	1233.5	1233.5	1229.9	1228.8	1231.1
37.5°	1160.8	1164.3	1183.0	1177.2	1177.2	1188.9	1184.2	1184.2	1180.7	1179.5	1180.7
40°	1110.3	1112.7	1132.6	1126.8	1125.6	1136.1	1132.6	1132.6	1130.3	1127.9	1129.1
42.5°	1057.6	1061.1	1081.0	1076.3	1071.7	1083.4	1079.9	1081.0	1077.5	1075.2	1075.2
45°	1002.5	1006.0	1025.9	1023.6	1016.5	1027.1	1023.6	1025.9	1021.2	1018.9	1018.9
47.5°	947.4	952.1	970.8	967.3	960.3	970.8	967.3	969.6	965.0	962.6	962.6
50°	889.9	894.6	914.5	908.7	901.6	912.2	909.9	911.0	907.5	905.2	904.0
52.5°	831.3	837.2	855.9	848.9	843.0	852.4	851.2	852.4	847.7	846.5	845.4
55°	772.7	778.5	796.1	787.9	783.2	791.4	789.1	791.4	786.7	785.6	784.4
57.5°	711.7	717.6	734.0	725.8	722.3	729.3	728.1	729.3	725.8	724.6	723.4
60°	651.9	656.6	671.8	663.6	660.1	667.1	664.8	668.3	663.6	663.6	662.5
62.5°	588.6	594.5	609.7	600.3	598.0	603.8	601.5	605.0	602.7	600.3	599.1
65°	526.4	530.0	544.0	535.8	532.3	539.3	538.2	540.5	537.0	538.2	537.0
67.5°	464.3	466.7	480.7	471.3	469.0	476.0	477.2	476.0	473.7	474.9	473.7
70°	401.0	403.3	415.1	406.9	405.7	411.5	413.9	412.7	410.4	411.5	412.7
72.5°	340.0	341.2	351.7	344.7	343.5	350.6	350.6	350.6	350.6	350.6	352.9
75°	279.1	280.2	289.6	283.7	282.6	289.6	289.6	289.6	289.6	291.9	290.8
77.5°	220.4	219.3	228.6	225.1	222.8	229.8	229.8	231.0	233.3	235.7	232.2
80°	165.3	164.1	171.2	166.5	166.5	173.5	172.4	173.5	175.9	177.0	178.2
82.5°	116.1	113.7	119.6	118.4	117.2	123.1	124.3	123.1	126.6	127.8	127.8
85°	71.5	71.5	75.0	72.7	72.7	77.4	77.4	78.6	80.9	82.1	82.1
87.5°	34.0	32.8	36.3	35.2	34.0	37.5	37.5	38.7	39.9	41.0	39.9
90°	1.2	1.2	2.3	2.3	2.3	4.7	4.7	4.7	5.9	5.9	4.7
92.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3
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



TEST NUMBER: P893735
 CATALOG NUMBER: 4MB-6SL-FLT-UNV-L940

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°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
170°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
175°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.2	2.3	2.3
177.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6	1601.6
2.5°	1595.8	1587.5	1584.0	1586.4	1602.8	1586.4	1604.0	1609.8	1588.7	1600.4
5°	1591.1	1582.9	1578.2	1580.5	1596.9	1581.7	1600.4	1607.5	1589.9	1601.6
7.5°	1581.7	1572.3	1570.0	1573.5	1587.5	1574.7	1593.4	1600.4	1582.9	1594.6
10°	1567.6	1559.4	1557.1	1560.6	1573.5	1560.6	1577.0	1582.9	1566.4	1577.0
12.5°	1550.0	1541.8	1539.5	1544.2	1555.9	1544.2	1560.6	1566.4	1550.0	1560.6
15°	1527.8	1519.5	1518.4	1525.4	1536.0	1525.4	1541.8	1546.5	1530.1	1540.7
17.5°	1500.8	1492.6	1493.8	1502.0	1510.2	1500.8	1516.0	1520.7	1505.5	1513.7
20°	1471.5	1462.1	1464.4	1471.5	1478.5	1469.1	1484.4	1489.1	1475.0	1483.2
22.5°	1437.5	1428.1	1430.4	1438.6	1443.3	1435.1	1449.2	1453.9	1442.2	1450.4
25°	1400.0	1391.7	1395.3	1403.5	1407.0	1400.0	1412.8	1416.4	1405.8	1412.8
27.5°	1362.4	1353.1	1357.7	1365.9	1368.3	1361.3	1374.2	1376.5	1365.9	1373.0
30°	1320.2	1310.8	1316.7	1326.1	1326.1	1321.4	1331.9	1334.3	1326.1	1331.9
32.5°	1273.3	1266.3	1273.3	1281.5	1280.4	1276.8	1287.4	1289.7	1282.7	1287.4
35°	1226.4	1220.6	1227.6	1235.8	1234.6	1231.1	1241.7	1242.8	1237.0	1241.7
37.5°	1178.4	1173.7	1180.7	1187.7	1185.4	1183.0	1192.4	1192.4	1188.9	1193.6
40°	1129.1	1124.4	1130.3	1138.5	1133.8	1133.8	1139.7	1142.0	1138.5	1143.2
42.5°	1077.5	1072.8	1079.9	1086.9	1082.2	1081.0	1088.1	1089.2	1086.9	1090.4
45°	1023.6	1018.9	1025.9	1031.8	1027.1	1027.1	1033.0	1033.0	1031.8	1036.5
47.5°	968.5	965.0	970.8	976.7	972.0	975.5	975.5	975.5	977.9	976.7
50°	912.2	908.7	913.4	920.4	914.5	915.7	918.1	918.1	919.2	920.4
52.5°	853.6	848.9	853.6	861.8	853.6	857.1	858.3	859.4	863.0	860.6
55°	794.9	790.3	794.9	802.0	793.8	798.5	798.5	799.6	803.2	800.8
57.5°	734.0	729.3	736.3	741.0	732.8	737.5	737.5	739.8	742.2	738.7
60°	673.0	669.5	671.8	680.0	671.8	676.5	676.5	676.5	681.2	677.7
62.5°	610.9	608.5	610.9	617.9	609.7	614.4	613.2	614.4	619.1	617.9
65°	547.6	545.2	547.6	554.6	546.4	551.1	551.1	552.2	555.8	551.1
67.5°	485.4	481.9	485.4	491.3	484.2	487.8	487.8	487.8	493.6	491.3
70°	422.1	419.8	422.1	428.0	422.1	424.4	424.4	424.4	430.3	431.5
72.5°	360.0	360.0	362.3	367.0	362.3	367.0	363.5	361.1	369.3	370.5
75°	299.0	300.2	301.3	306.0	301.3	306.0	303.7	301.3	308.4	309.5
77.5°	242.7	242.7	243.9	247.4	243.9	247.4	245.1	245.1	249.7	248.6
80°	185.3	185.3	186.4	189.9	186.4	189.9	187.6	187.6	192.3	187.6
82.5°	134.8	134.8	134.8	138.4	136.0	138.4	137.2	134.8	140.7	136.0
85°	86.8	87.9	87.9	89.1	87.9	89.1	89.1	87.9	91.5	87.9
87.5°	44.6	44.6	44.6	45.7	44.6	44.6	45.7	44.6	46.9	45.7
90°	8.2	7.0	7.0	9.4	8.2	8.2	9.4	7.0	8.2	7.0
92.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
95°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5
97.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
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: P893735
 CATALOG NUMBER: 4MB-6SL-FLT-UNV-L940

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: P893735
 CATALOG NUMBER: 4MB-6SL-FLT-UNV-L940

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	19.96	21.60	20.33	21.91	22.23	20.10	21.73	20.46	22.05	22.37
	3H	21.78	23.26	22.16	23.59	23.96	21.93	23.41	22.31	23.74	24.10
	4H	22.44	23.84	22.84	24.19	24.57	22.64	24.03	23.04	24.38	24.76
	6H	22.90	24.19	23.31	24.56	24.95	23.19	24.49	23.61	24.85	25.25
	8H	23.04	24.27	23.46	24.66	25.07	23.39	24.63	23.81	25.02	25.42
	12H	23.13	24.32	23.56	24.70	25.13	23.53	24.72	23.96	25.10	25.53
4H	2H	20.59	21.99	20.99	22.34	22.72	20.70	22.10	21.10	22.45	22.83
	3H	22.64	23.81	23.05	24.21	24.61	22.77	23.94	23.18	24.34	24.74
	4H	23.43	24.49	23.86	24.91	25.34	23.61	24.68	24.05	25.09	25.53
	6H	24.00	24.93	24.46	25.38	25.83	24.31	25.24	24.76	25.68	26.14
	8H	24.19	25.06	24.66	25.51	25.97	24.55	25.42	25.01	25.87	26.33
	12H	24.34	25.12	24.82	25.60	26.07	24.75	25.53	25.23	26.00	26.48
8H	4H	23.76	24.63	24.22	25.07	25.54	23.92	24.79	24.38	25.24	25.70
	6H	24.46	25.18	24.96	25.67	26.15	24.75	25.47	25.24	25.96	26.44
	8H	24.72	25.37	25.23	25.88	26.37	25.08	25.73	25.59	26.24	26.73
	12H	24.94	25.52	25.45	26.01	26.57	25.36	25.94	25.87	26.43	26.99
12H	4H	23.80	24.58	24.28	25.06	25.53	23.96	24.74	24.44	25.21	25.69
	6H	24.53	25.18	25.04	25.69	26.18	24.81	25.46	25.32	25.96	26.45
	8H	24.86	25.43	25.36	25.92	26.49	25.20	25.78	25.71	26.27	26.83