

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: P895105

Luminaire Tested: 8TMB-6SL-FLT-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895105
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: 8TMB-6SL-FLT-UNV-L930
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

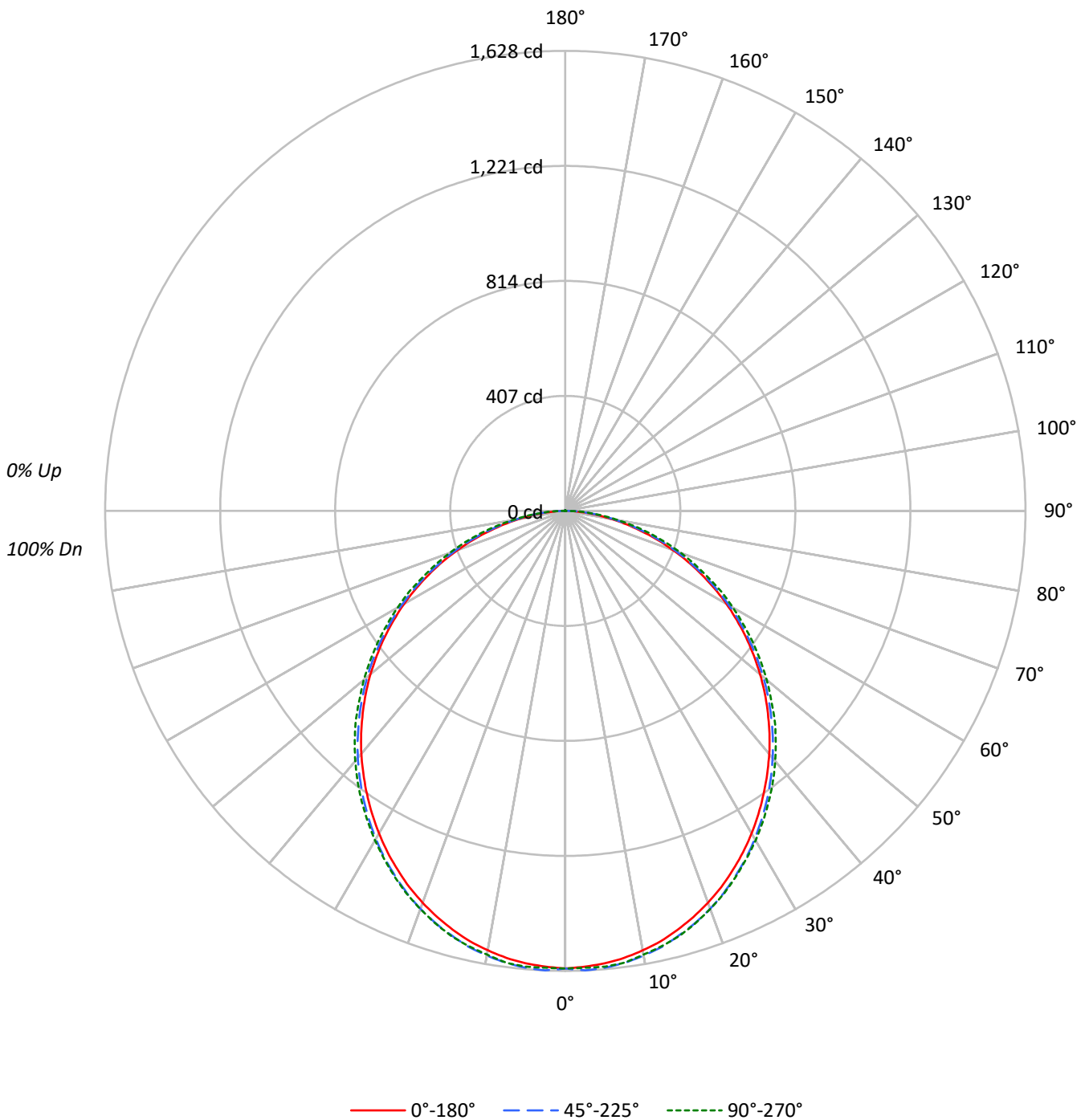
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4495.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.51
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P895105
CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L930

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°	5745	5745	5745
5°	5725	5780	5767
10°	5689	5757	5744
15°	5639	5713	5722
20°	5572	5658	5662
25°	5490	5578	5592
30°	5401	5493	5517
35°	5299	5391	5438
40°	5200	5288	5353
45°	5086	5169	5258
50°	4966	5045	5136
55°	4832	4905	5008
60°	4677	4753	4862
65°	4468	4558	4677
70°	4206	4329	4525
75°	3867	4030	4290
80°	3414	3682	3876
85°	2943	3379	3619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5258 cd/sqm



TEST NUMBER: P895105
 CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	3.4
10°-20°	436.4	9.7
20°-30°	654.0	14.5
30°-40°	778.2	17.3
40°-50°	798.5	17.8
50°-60°	715.4	15.9
60°-70°	543.5	12.1
70°-80°	315.9	7.0
80°-90°	94.8	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°	1243.6	27.7
0°-40°	2021.8	45.0
0°-60°	3535.6	78.7
0°-90°	4489.9	99.9
90°-120°	2.7	0.1
90°-150°	4.1	0.1
90°-180°	5.0	0.1
0°-180°	4495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1619	1619	1619	1619	1619	
5°	1607	1635	1623	1614	1619	153
15°	1535	1565	1555	1553	1558	433
25°	1402	1434	1425	1422	1428	646
35°	1223	1253	1245	1248	1255	765
45°	1014	1038	1030	1038	1048	782
55°	781	800	793	802	810	698
65°	532	545	543	552	557	527
75°	282	293	294	305	313	299
85°	72	78	83	89	89	79
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: 8TMB-6SL-FLT-UNV-L930

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3
2.5°	1614.5	1612.2	1614.5	1613.3	1625.2	1639.4	1637.1	1626.4	1614.5	1618.1	1627.6
5°	1607.4	1606.2	1609.8	1607.4	1619.3	1634.7	1629.9	1620.5	1609.8	1613.3	1622.8
7.5°	1595.6	1595.6	1600.3	1597.9	1608.6	1624.0	1619.3	1611.0	1600.3	1603.9	1613.3
10°	1579.0	1580.2	1586.1	1582.5	1592.0	1608.6	1603.9	1595.6	1586.1	1588.5	1597.9
12.5°	1560.0	1560.0	1567.1	1563.6	1573.0	1588.5	1582.5	1576.6	1567.1	1569.5	1580.2
15°	1535.1	1536.3	1544.6	1541.0	1549.3	1564.7	1558.8	1554.1	1545.8	1547.0	1555.3
17.5°	1506.7	1510.2	1518.5	1515.0	1523.3	1538.7	1531.6	1526.8	1519.7	1520.9	1529.2
20°	1475.8	1479.4	1487.7	1485.3	1491.2	1506.7	1499.5	1497.2	1490.1	1491.2	1498.4
22.5°	1441.5	1445.0	1454.5	1452.1	1458.1	1473.5	1465.2	1464.0	1456.9	1458.1	1464.0
25°	1402.3	1407.1	1417.8	1415.4	1420.1	1434.3	1427.2	1424.9	1420.1	1420.1	1424.9
27.5°	1362.0	1366.8	1378.6	1375.1	1378.6	1394.0	1385.7	1384.6	1379.8	1379.8	1384.6
30°	1318.2	1322.9	1336.0	1332.4	1336.0	1349.0	1340.7	1341.9	1337.1	1337.1	1340.7
32.5°	1271.9	1275.5	1289.7	1287.4	1289.7	1302.8	1294.5	1295.7	1290.9	1292.1	1293.3
35°	1223.3	1226.9	1242.3	1239.9	1241.1	1253.0	1247.1	1247.1	1243.5	1242.3	1244.7
37.5°	1173.6	1177.1	1196.1	1190.2	1190.2	1202.0	1197.3	1197.3	1193.7	1192.5	1193.7
40°	1122.6	1125.0	1145.1	1139.2	1138.0	1148.7	1145.1	1145.1	1142.7	1140.4	1141.6
42.5°	1069.2	1072.8	1092.9	1088.2	1083.5	1095.3	1091.8	1092.9	1089.4	1087.0	1087.0
45°	1013.5	1017.1	1037.2	1034.9	1027.8	1038.4	1034.9	1037.2	1032.5	1030.1	1030.1
47.5°	957.8	962.6	981.5	978.0	970.9	981.5	978.0	980.3	975.6	973.2	973.2
50°	899.7	904.5	924.6	918.7	911.6	922.2	919.9	921.1	917.5	915.1	914.0
52.5°	840.5	846.4	865.3	858.2	852.3	861.8	860.6	861.8	857.1	855.9	854.7
55°	781.2	787.1	804.9	796.6	791.9	800.2	797.8	800.2	795.4	794.2	793.0
57.5°	719.5	725.5	742.1	733.8	730.2	737.3	736.1	737.3	733.8	732.6	731.4
60°	659.1	663.8	679.2	670.9	667.4	674.5	672.1	675.7	670.9	670.9	669.8
62.5°	595.1	601.0	616.4	606.9	604.6	610.5	608.1	611.7	609.3	606.9	605.7
65°	532.2	535.8	550.0	541.7	538.2	545.3	544.1	546.5	542.9	544.1	542.9
67.5°	469.4	471.8	486.0	476.5	474.2	481.3	482.5	481.3	478.9	480.1	478.9
70°	405.4	407.8	419.6	411.3	410.2	416.1	418.5	417.3	414.9	416.1	417.3
72.5°	343.8	345.0	355.6	348.5	347.3	354.4	354.4	354.4	354.4	354.4	356.8
75°	282.1	283.3	292.8	286.9	285.7	292.8	292.8	292.8	292.8	295.2	294.0
77.5°	222.9	221.7	231.2	227.6	225.2	232.3	232.3	233.5	235.9	238.3	234.7
80°	167.1	166.0	173.1	168.3	168.3	175.4	174.3	175.4	177.8	179.0	180.2
82.5°	117.4	115.0	120.9	119.7	118.5	124.5	125.7	124.5	128.0	129.2	129.2
85°	72.3	72.3	75.9	73.5	73.5	78.2	78.2	79.4	81.8	83.0	83.0
87.5°	34.4	33.2	36.7	35.6	34.4	37.9	37.9	39.1	40.3	41.5	40.3
90°	1.2	1.2	2.4	2.4	2.4	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	2.4	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



TEST NUMBER: P895105
 CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L930

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°	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3	1619.3
2.5°	1613.3	1605.0	1601.5	1603.9	1620.5	1603.9	1621.6	1627.6	1606.2	1618.1
5°	1608.6	1600.3	1595.6	1597.9	1614.5	1599.1	1618.1	1625.2	1607.4	1619.3
7.5°	1599.1	1589.6	1587.3	1590.8	1605.0	1592.0	1611.0	1618.1	1600.3	1612.2
10°	1584.9	1576.6	1574.2	1577.8	1590.8	1577.8	1594.4	1600.3	1583.7	1594.4
12.5°	1567.1	1558.8	1556.4	1561.2	1573.0	1561.2	1577.8	1583.7	1567.1	1577.8
15°	1544.6	1536.3	1535.1	1542.2	1552.9	1542.2	1558.8	1563.6	1547.0	1557.6
17.5°	1517.3	1509.0	1510.2	1518.5	1526.8	1517.3	1532.7	1537.5	1522.1	1530.4
20°	1487.7	1478.2	1480.6	1487.7	1494.8	1485.3	1500.7	1505.5	1491.2	1499.5
22.5°	1453.3	1443.8	1446.2	1454.5	1459.2	1450.9	1465.2	1469.9	1458.1	1466.4
25°	1415.4	1407.1	1410.6	1418.9	1422.5	1415.4	1428.4	1432.0	1421.3	1428.4
27.5°	1377.4	1368.0	1372.7	1381.0	1383.4	1376.3	1389.3	1391.7	1381.0	1388.1
30°	1334.8	1325.3	1331.2	1340.7	1340.7	1336.0	1346.6	1349.0	1340.7	1346.6
32.5°	1287.4	1280.2	1287.4	1295.7	1294.5	1290.9	1301.6	1304.0	1296.8	1301.6
35°	1239.9	1234.0	1241.1	1249.4	1248.2	1244.7	1255.4	1256.5	1250.6	1255.4
37.5°	1191.3	1186.6	1193.7	1200.8	1198.5	1196.1	1205.6	1205.6	1202.0	1206.7
40°	1141.6	1136.8	1142.7	1151.0	1146.3	1146.3	1152.2	1154.6	1151.0	1155.8
42.5°	1089.4	1084.7	1091.8	1098.9	1094.1	1092.9	1100.1	1101.2	1098.9	1102.4
45°	1034.9	1030.1	1037.2	1043.2	1038.4	1038.4	1044.3	1044.3	1043.2	1047.9
47.5°	979.1	975.6	981.5	987.4	982.7	986.3	986.3	986.3	988.6	987.4
50°	922.2	918.7	923.4	930.5	924.6	925.8	928.2	928.2	929.4	930.5
52.5°	863.0	858.2	863.0	871.3	863.0	866.5	867.7	868.9	872.5	870.1
55°	803.7	799.0	803.7	810.8	802.5	807.3	807.3	808.5	812.0	809.6
57.5°	742.1	737.3	744.4	749.2	740.9	745.6	745.6	748.0	750.4	746.8
60°	680.4	676.9	679.2	687.5	679.2	684.0	684.0	684.0	688.7	685.2
62.5°	617.6	615.2	617.6	624.7	616.4	621.2	620.0	621.2	625.9	624.7
65°	553.6	551.2	553.6	560.7	552.4	557.1	557.1	558.3	561.9	557.1
67.5°	490.8	487.2	490.8	496.7	489.6	493.1	493.1	493.1	499.1	496.7
70°	426.7	424.4	426.7	432.7	426.7	429.1	429.1	429.1	435.0	436.2
72.5°	363.9	363.9	366.3	371.0	366.3	371.0	367.5	365.1	373.4	374.6
75°	302.3	303.5	304.7	309.4	304.7	309.4	307.0	304.7	311.8	312.9
77.5°	245.4	245.4	246.6	250.1	246.6	250.1	247.8	247.8	252.5	251.3
80°	187.3	187.3	188.5	192.0	188.5	192.0	189.7	189.7	194.4	189.7
82.5°	136.3	136.3	136.3	139.9	137.5	139.9	138.7	136.3	142.2	137.5
85°	87.7	88.9	88.9	90.1	88.9	90.1	90.1	88.9	92.5	88.9
87.5°	45.0	45.0	45.0	46.2	45.0	45.0	46.2	45.0	47.4	46.2
90°	8.3	7.1	7.1	9.5	8.3	8.3	9.5	7.1	8.3	7.1
92.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.7	4.7
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: P895105
 CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L930

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: P895105
 CATALOG NUMBER: 8TMB-6SL-FLT-UNV-L930

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	17.58	19.22	17.95	19.53	19.85	17.72	19.35	18.08	19.67	19.99
	3H	19.40	20.89	19.78	21.21	21.58	19.55	21.03	19.93	21.36	21.72
	4H	20.06	21.46	20.46	21.81	22.19	20.26	21.65	20.66	22.00	22.38
	6H	20.52	21.81	20.93	22.18	22.57	20.81	22.11	21.23	22.48	22.87
	8H	20.66	21.89	21.08	22.29	22.69	21.01	22.25	21.44	22.64	23.04
	12H	20.75	21.94	21.18	22.32	22.75	21.15	22.34	21.58	22.72	23.15
4H	2H	18.22	19.61	18.62	19.96	20.34	18.32	19.72	18.72	20.07	20.45
	3H	20.26	21.43	20.67	21.83	22.23	20.39	21.56	20.80	21.96	22.36
	4H	21.05	22.11	21.48	22.53	22.96	21.23	22.30	21.67	22.71	23.15
	6H	21.62	22.55	22.08	23.00	23.45	21.93	22.86	22.38	23.30	23.76
	8H	21.81	22.68	22.28	23.13	23.60	22.17	23.04	22.63	23.49	23.95
	12H	21.96	22.74	22.44	23.22	23.69	22.37	23.15	22.85	23.63	24.10
8H	4H	21.38	22.25	21.84	22.69	23.16	21.54	22.41	22.01	22.86	23.33
	6H	22.08	22.81	22.58	23.29	23.77	22.37	23.09	22.86	23.58	24.06
	8H	22.35	23.00	22.86	23.50	23.99	22.70	23.35	23.21	23.86	24.35
	12H	22.56	23.14	23.07	23.63	24.19	22.98	23.56	23.49	24.05	24.61
12H	4H	21.42	22.20	21.90	22.68	23.15	21.58	22.36	22.06	22.84	23.31
	6H	22.15	22.80	22.66	23.31	23.80	22.43	23.08	22.94	23.59	24.07
	8H	22.48	23.05	22.99	23.55	24.11	22.82	23.40	23.33	23.89	24.45