

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: P895155

Luminaire Tested: 8TMB-6SL-RND-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-RND-UNV-L940
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

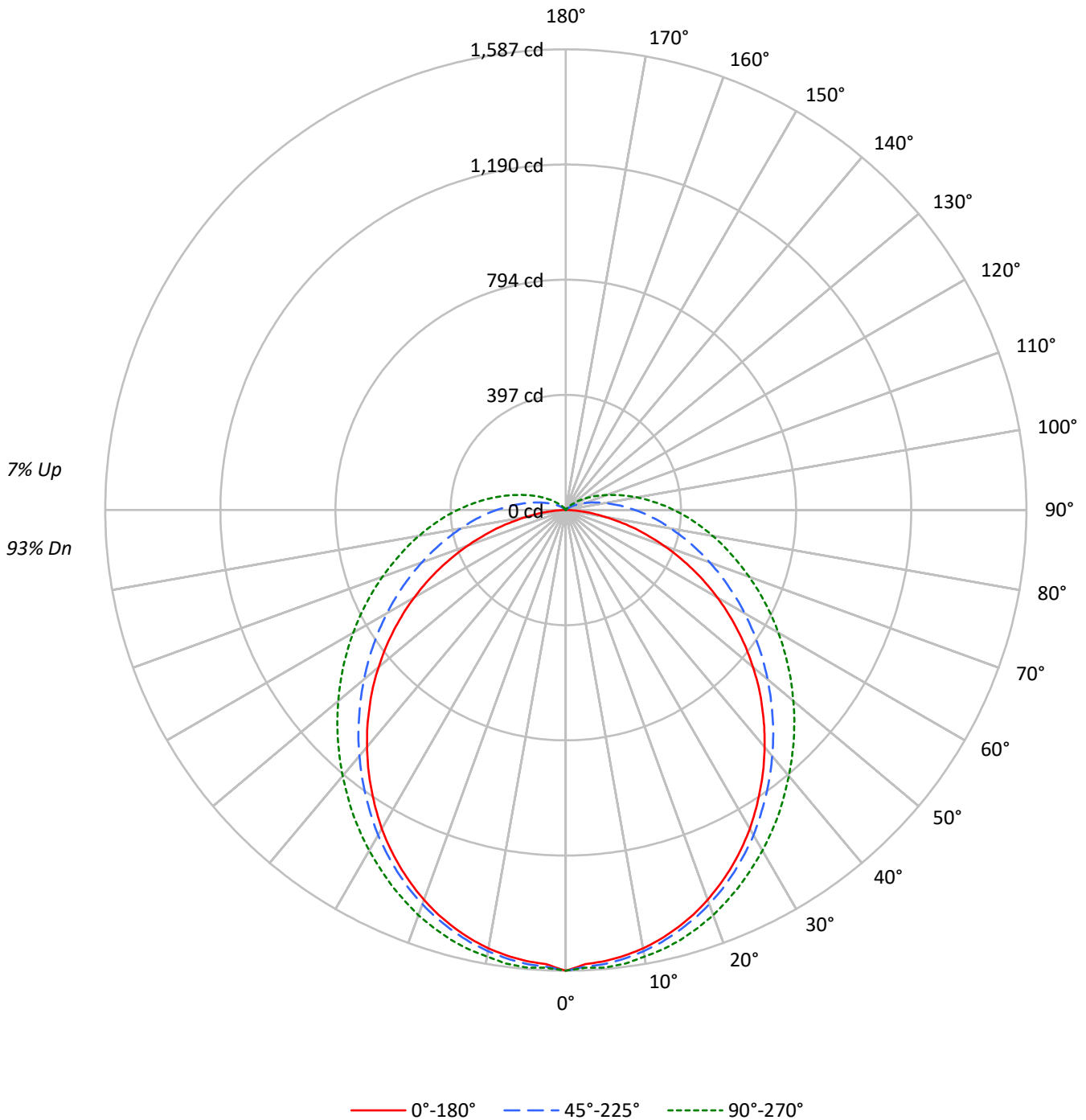
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.9 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
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 (Ain): 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

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5630	5630	5630
5°	5554	5590	5634
10°	5525	5560	5628
15°	5468	5514	5628
20°	5396	5457	5607
25°	5303	5381	5575
30°	5194	5301	5550
35°	5066	5206	5540
40°	4934	5124	5538
45°	4797	5053	5576
50°	4647	5010	5647
55°	4478	5000	5783
60°	4282	5048	6000
65°	4044	5181	6359
70°	3748	5474	6968
75°	3387	6094	8086
80°	2867	7509	10503
85°	2325	12233	17994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 33131 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	2.9
10°-20°	427.6	8.1
20°-30°	640.2	12.2
30°-40°	763.4	14.5
40°-50°	791.7	15.1
50°-60°	734.5	14.0
60°-70°	612.8	11.7
70°-80°	456.9	8.7
80°-90°	304.2	5.8
90°-100°	185.2	3.5
100°-110°	103.4	2.0
110°-120°	51.6	1.0
120°-130°	21.6	0.4
130°-140°	6.8	0.1
140°-150°	1.7	0.0
150°-160°	0.7	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1217.9	23.2
0°-40°	1981.2	37.7
0°-60°	3507.5	66.8
0°-90°	4881.3	92.9
90°-120°	340.2	6.5
90°-150°	370.3	7.0
90°-180°	372.0	7.1
0°-180°	5252.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1587	1587	1587	1587	1587	
5°	1560	1596	1569	1578	1582	148
15°	1489	1527	1501	1528	1532	420
25°	1355	1391	1374	1413	1424	624
35°	1170	1201	1202	1262	1279	732
45°	956	981	1007	1086	1111	738
55°	724	749	808	903	935	647
65°	482	520	617	721	757	477
75°	247	315	444	552	590	261
85°	57	156	300	404	442	64
90°	2	103	238	336	372	4
95°	0	63	184	276	308	0
105°	0	20	101	170	196	0
115°	1	5	47	96	114	1
125°	1	1	19	46	57	1
135°	1	1	5	16	21	1
145°	1	1	1	4	5	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



TEST NUMBER: P895155
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8
2.5°	1565.7	1568.2	1590.5	1589.3	1585.6	1600.5	1604.2	1591.8	1571.9	1591.8	1574.4
5°	1559.5	1562.0	1584.3	1583.1	1579.3	1595.5	1596.7	1585.6	1565.7	1585.6	1569.4
7.5°	1548.3	1550.8	1573.1	1571.9	1569.4	1585.6	1584.3	1575.6	1554.5	1575.6	1558.2
10°	1533.4	1534.6	1558.2	1555.8	1554.5	1570.7	1566.9	1559.5	1538.4	1559.5	1543.3
12.5°	1513.5	1514.8	1538.4	1535.9	1535.9	1550.8	1545.8	1539.6	1518.5	1538.4	1524.7
15°	1488.7	1489.9	1512.3	1511.1	1511.1	1527.2	1519.7	1514.8	1494.9	1516.0	1501.1
17.5°	1461.4	1460.1	1483.7	1481.3	1483.7	1498.6	1488.7	1486.2	1467.6	1487.5	1475.0
20°	1429.1	1429.1	1450.2	1449.0	1452.7	1466.4	1453.9	1455.2	1436.6	1457.7	1445.2
22.5°	1393.1	1391.9	1413.0	1413.0	1416.7	1430.3	1416.7	1420.4	1401.8	1421.7	1411.7
25°	1354.6	1352.1	1373.2	1373.2	1379.4	1390.6	1375.7	1380.7	1363.3	1383.2	1374.5
27.5°	1312.4	1308.7	1329.8	1331.0	1336.0	1347.2	1331.0	1338.5	1322.3	1341.0	1334.7
30°	1267.7	1264.0	1285.1	1286.3	1292.5	1301.2	1285.1	1295.0	1280.1	1298.7	1293.8
32.5°	1219.3	1216.8	1236.7	1239.1	1245.3	1251.6	1236.7	1246.6	1234.2	1252.8	1247.8
35°	1169.6	1167.1	1185.7	1189.5	1195.7	1200.6	1184.5	1198.2	1187.0	1204.4	1201.9
37.5°	1118.7	1115.0	1134.8	1137.3	1144.8	1147.3	1132.4	1148.5	1138.6	1156.0	1154.7
40°	1065.3	1061.6	1081.5	1083.9	1091.4	1091.4	1079.0	1096.4	1088.9	1105.0	1106.3
42.5°	1011.9	1008.2	1025.6	1030.5	1036.8	1036.8	1024.3	1043.0	1038.0	1054.1	1057.9
45°	956.0	952.3	968.5	973.4	980.9	980.9	968.5	989.6	985.8	1002.0	1007.0
47.5°	901.4	896.5	911.4	916.3	923.8	922.5	912.6	933.7	932.5	948.6	957.3
50°	841.8	838.1	853.0	858.0	866.7	864.2	856.7	879.1	879.1	895.2	907.6
52.5°	783.5	779.7	794.6	799.6	807.1	807.1	799.6	823.2	826.9	843.1	858.0
55°	723.9	718.9	733.8	738.8	747.5	748.7	742.5	766.1	773.5	792.2	808.3
57.5°	664.3	661.8	674.2	679.2	690.3	690.3	686.6	711.4	721.4	741.2	759.9
60°	603.4	600.9	612.1	618.3	630.7	633.2	630.7	656.8	670.5	690.3	711.4
62.5°	542.6	540.1	551.3	560.0	573.6	576.1	577.4	604.7	619.6	640.7	664.3
65°	481.7	479.3	490.4	500.4	516.5	520.2	524.0	552.5	569.9	592.3	617.1
67.5°	420.9	419.7	430.8	443.3	460.6	465.6	471.8	501.6	521.5	545.1	572.4
70°	361.3	360.1	371.2	386.1	407.3	413.5	420.9	450.7	475.5	500.4	527.7
72.5°	301.7	303.0	315.4	332.8	356.3	362.6	372.5	403.5	430.8	456.9	485.5
75°	247.1	247.1	260.7	280.6	306.7	315.4	326.5	358.8	387.4	414.7	444.5
77.5°	191.2	191.2	207.4	232.2	260.7	269.4	283.1	316.6	347.7	375.0	404.8
80°	140.3	142.8	161.4	186.2	216.0	227.2	243.4	276.9	310.4	337.7	367.5
82.5°	95.6	99.3	119.2	147.8	177.6	188.7	204.9	240.9	274.4	303.0	334.0
85°	57.1	63.3	84.4	113.0	144.0	156.4	173.8	207.4	240.9	269.4	300.5
87.5°	26.1	34.8	57.1	85.7	115.5	129.1	144.0	176.3	209.8	238.4	270.7
90°	2.5	14.9	37.2	62.1	90.6	103.1	118.0	149.0	181.3	207.4	238.4
92.5°	0.0	6.2	22.3	44.7	69.5	81.9	95.6	125.4	154.0	180.0	209.8
95°	0.0	2.5	12.4	31.0	52.1	63.3	75.7	103.1	131.6	156.4	183.8
97.5°	0.0	1.2	7.4	21.1	38.5	48.4	59.6	84.4	110.5	134.1	158.9
100°	0.0	1.2	3.7	13.7	28.6	36.0	47.2	68.3	91.9	113.0	137.8
102.5°	0.0	0.0	2.5	8.7	21.1	27.3	36.0	54.6	75.7	95.6	118.0
105°	0.0	0.0	1.2	6.2	14.9	19.9	27.3	43.5	62.1	79.5	100.6
107.5°	0.0	0.0	1.2	3.7	9.9	14.9	21.1	33.5	49.7	65.8	84.4
110°	1.2	1.2	1.2	2.5	7.4	11.2	14.9	26.1	41.0	54.6	70.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.2	1.2	1.2	1.2	5.0	7.4	11.2	19.9	32.3	43.5	58.4
115°	1.2	1.2	1.2	1.2	3.7	5.0	7.4	14.9	24.8	34.8	47.2
117.5°	1.2	1.2	1.2	1.2	2.5	3.7	5.0	11.2	18.6	27.3	38.5
120°	1.2	1.2	1.2	1.2	1.2	2.5	3.7	7.4	14.9	21.1	31.0
122.5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	6.2	11.2	16.1	23.6
125°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	7.4	12.4	18.6
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	5.0	8.7	13.7
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	6.2	9.9
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	5.0	7.4
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	5.0
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
145°	1.2	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
155°	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2
170°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
172.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.2
175°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8
2.5°	1579.3	1583.1	1586.8	1576.9	1583.1	1594.2	1598.0	1583.1	1588.0	1578.1
5°	1574.4	1576.9	1581.8	1569.4	1578.1	1588.0	1594.2	1581.8	1589.3	1581.8
7.5°	1564.4	1566.9	1573.1	1560.7	1571.9	1580.6	1588.0	1575.6	1583.1	1575.6
10°	1549.5	1553.3	1562.0	1547.1	1560.7	1568.2	1575.6	1562.0	1569.4	1562.0
12.5°	1530.9	1537.1	1544.6	1530.9	1544.6	1550.8	1560.7	1547.1	1555.8	1549.5
15°	1508.6	1514.8	1524.7	1511.1	1528.4	1533.4	1543.3	1529.7	1538.4	1532.2
17.5°	1482.5	1489.9	1502.4	1486.2	1506.1	1509.8	1519.7	1507.3	1516.0	1509.8
20°	1452.7	1460.1	1472.6	1457.7	1477.5	1480.0	1491.2	1480.0	1488.7	1485.0
22.5°	1417.9	1426.6	1439.0	1425.4	1446.5	1446.5	1460.1	1449.0	1458.9	1455.2
25°	1381.9	1391.9	1405.5	1390.6	1413.0	1413.0	1427.9	1416.7	1426.6	1424.1
27.5°	1343.4	1354.6	1370.8	1355.9	1378.2	1377.0	1391.9	1381.9	1393.1	1389.4
30°	1302.5	1314.9	1331.0	1318.6	1342.2	1339.7	1354.6	1345.9	1355.9	1354.6
32.5°	1257.8	1271.4	1291.3	1277.6	1301.2	1298.7	1317.4	1307.4	1319.8	1317.4
35°	1213.1	1228.0	1247.8	1235.4	1261.5	1257.8	1276.4	1267.7	1280.1	1278.9
37.5°	1167.1	1183.3	1203.1	1193.2	1218.0	1214.3	1234.2	1226.7	1240.4	1236.7
40°	1119.9	1136.1	1157.2	1148.5	1174.6	1169.6	1190.7	1184.5	1198.2	1195.7
42.5°	1072.8	1090.1	1111.3	1106.3	1131.1	1126.2	1147.3	1142.3	1156.0	1153.5
45°	1024.3	1043.0	1065.3	1060.3	1086.4	1081.5	1102.6	1098.8	1112.5	1111.3
47.5°	975.9	995.8	1018.1	1015.6	1040.5	1035.5	1057.9	1054.1	1067.8	1067.8
50°	926.3	948.6	970.9	969.7	994.5	989.6	1009.4	1009.4	1024.3	1023.1
52.5°	876.6	900.2	923.8	923.8	948.6	943.6	966.0	964.7	979.6	979.6
55°	829.4	850.5	874.1	879.1	902.7	895.2	918.8	921.3	933.7	934.9
57.5°	782.2	804.6	828.2	834.4	856.7	851.8	874.1	876.6	889.0	890.2
60°	735.0	756.1	779.7	788.4	810.8	805.8	828.2	830.6	844.3	845.5
62.5°	687.9	709.0	735.0	743.7	764.8	761.1	784.7	787.2	799.6	802.1
65°	641.9	664.3	689.1	701.5	721.4	716.4	740.0	742.5	756.1	757.4
67.5°	597.2	619.6	644.4	658.1	676.7	674.2	696.6	701.5	712.7	715.2
70°	553.8	576.1	602.2	615.8	634.5	633.2	654.3	658.1	670.5	671.7
72.5°	511.5	533.9	560.0	576.1	592.3	591.0	612.1	617.1	629.5	630.7
75°	470.6	494.2	519.0	536.4	552.5	551.3	572.4	577.4	588.5	589.8
77.5°	432.1	455.7	481.7	499.1	512.8	514.0	532.7	537.6	548.8	552.5
80°	396.1	418.4	443.3	461.9	474.3	476.8	494.2	500.4	509.1	514.0
82.5°	361.3	383.7	408.5	425.9	438.3	440.8	456.9	464.4	473.1	476.8
85°	327.8	350.1	373.7	392.4	403.5	404.8	420.9	428.4	435.8	442.0
87.5°	295.5	317.9	340.2	360.1	370.0	372.5	387.4	394.8	401.0	407.3
90°	263.2	285.6	307.9	326.5	336.5	337.7	353.9	361.3	367.5	372.5
92.5°	233.4	255.8	278.1	296.7	305.4	307.9	321.6	330.3	335.2	340.2
95°	204.9	227.2	247.1	266.9	275.6	279.4	291.8	299.2	305.4	307.9
97.5°	180.0	199.9	218.5	238.4	245.8	249.6	262.0	270.7	275.6	278.1
100°	156.4	175.1	192.5	211.1	218.5	222.3	233.4	240.9	245.8	249.6
102.5°	135.3	152.7	168.9	186.2	193.7	196.2	206.1	213.6	218.5	222.3
105°	116.7	132.9	147.8	163.9	170.1	173.8	182.5	188.7	193.7	196.2
107.5°	99.3	115.5	127.9	142.8	149.0	151.5	160.2	167.6	171.3	172.6
110°	84.4	98.1	110.5	122.9	130.4	132.9	140.3	146.5	150.2	151.5



TEST NUMBER: P895155
 CATALOG NUMBER: 8TMB-6SL-RND-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	70.8	83.2	94.4	105.5	111.7	114.2	121.7	127.9	130.4	131.6
115°	58.4	70.8	79.5	90.6	95.6	98.1	104.3	110.5	111.7	114.2
117.5°	47.2	58.4	67.0	75.7	80.7	83.2	88.2	93.1	95.6	96.8
120°	38.5	47.2	54.6	63.3	67.0	69.5	74.5	79.5	80.7	81.9
122.5°	31.0	38.5	44.7	52.1	55.9	58.4	62.1	65.8	67.0	68.3
125°	23.6	31.0	36.0	42.2	45.9	47.2	50.9	54.6	55.9	57.1
127.5°	18.6	23.6	28.6	33.5	36.0	37.2	41.0	43.5	44.7	45.9
130°	13.7	17.4	21.1	26.1	28.6	29.8	32.3	34.8	36.0	36.0
132.5°	9.9	13.7	16.1	19.9	21.1	22.3	24.8	27.3	27.3	28.6
135°	6.2	8.7	11.2	13.7	16.1	16.1	18.6	19.9	21.1	21.1
137.5°	5.0	6.2	7.4	9.9	11.2	12.4	12.4	14.9	14.9	14.9
140°	3.7	5.0	5.0	6.2	7.4	8.7	8.7	9.9	9.9	9.9
142.5°	2.5	3.7	3.7	5.0	5.0	6.2	6.2	6.2	7.4	7.4
145°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	5.0	5.0	5.0
147.5°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
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	0.0
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P895155
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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	16.29	17.83	16.76	18.29	18.77	17.86	19.40	18.33	19.86	20.34
	3H	17.97	19.37	18.45	19.84	20.37	20.49	21.89	20.97	22.36	22.89
	4H	18.57	19.90	19.07	20.38	20.92	21.80	23.13	22.30	23.61	24.16
	6H	18.96	20.20	19.48	20.70	21.26	23.20	24.44	23.72	24.94	25.50
	8H	19.08	20.27	19.61	20.79	21.35	23.95	25.14	24.48	25.66	26.23
	12H	19.16	20.30	19.69	20.81	21.41	24.80	25.94	25.34	26.46	27.05
4H	2H	17.22	18.55	17.72	19.03	19.57	18.41	19.75	18.92	20.23	20.77
	3H	19.20	20.33	19.72	20.86	21.43	21.33	22.47	21.85	22.99	23.56
	4H	19.97	21.02	20.51	21.55	22.15	22.86	23.90	23.39	24.43	25.03
	6H	20.55	21.47	21.11	22.04	22.65	24.50	25.42	25.05	25.98	26.59
	8H	20.74	21.60	21.30	22.17	22.79	25.38	26.25	25.94	26.81	27.43
	12H	20.86	21.65	21.44	22.24	22.87	26.38	27.17	26.97	27.76	28.39
8H	4H	20.85	21.72	21.42	22.28	22.91	23.22	24.08	23.78	24.65	25.27
	6H	21.73	22.47	22.33	23.08	23.70	25.12	25.85	25.71	26.46	27.09
	8H	22.08	22.75	22.69	23.37	24.01	26.20	26.87	26.81	27.48	28.12
	12H	22.35	22.95	22.96	23.55	24.26	27.47	28.06	28.07	28.67	29.37
12H	4H	21.13	21.92	21.71	22.51	23.14	23.26	24.05	23.84	24.64	25.27
	6H	22.18	22.85	22.79	23.47	24.11	25.23	25.89	25.83	26.51	27.15
	8H	22.70	23.30	23.31	23.90	24.61	26.42	27.02	27.03	27.62	28.33