

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P148946

Luminaire Tested: **TLM-F02-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148946
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-F02-LED-E1-RW-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5292.4 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
CIE Type: Direct

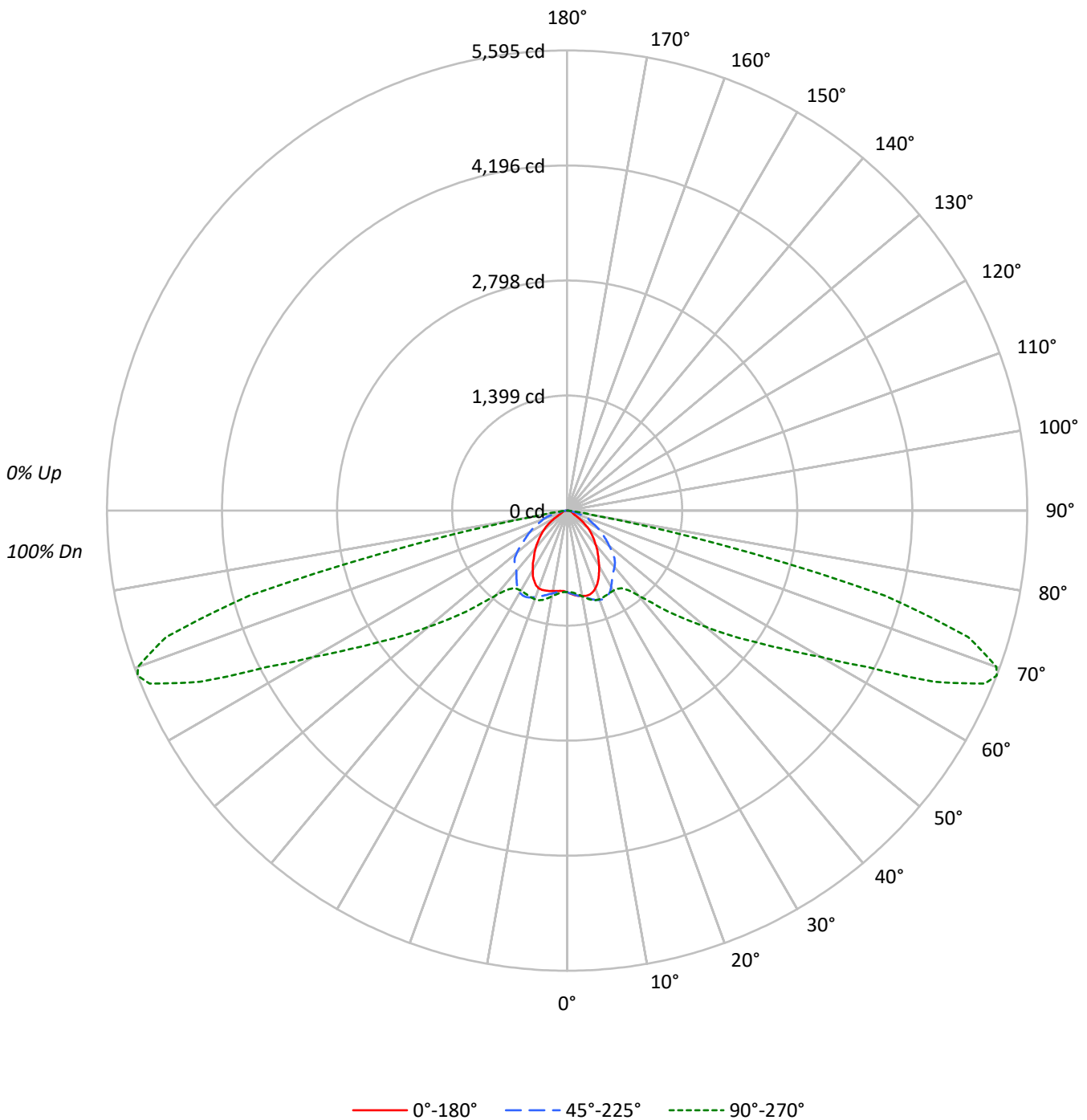
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: TLM-F02-LED-E1-RW-7050

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	32344	32344	32344
5°	33780	32932	32081
10°	34939	35052	32939
15°	35737	37929	33981
20°	34871	39810	34951
25°	32538	40791	34003
30°	29287	42349	31457
35°	26018	45896	28132
40°	22938	57108	25343
45°	20057	80024	22142
50°	16878	111557	18999
55°	12170	158325	14933
60°	7254	231835	8918
65°	6537	379844	6537
70°	6676	529733	6790
75°	7120	504167	7473
80°	7213	64917	7852
85°	4641	16280	6549



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.8
10°-20°	306.8	5.8
20°-30°	497.1	9.4
30°-40°	619.5	11.7
40°-50°	774.2	14.6
50°-60°	956.0	18.1
60°-70°	1187.8	22.4
70°-80°	788.6	14.9
80°-90°	65.1	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	901.2	17.0
0°-40°	1520.8	28.7
0°-60°	3250.9	61.4
0°-90°	5292.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5292.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	992	992	992	992	992	
5°	1032	1026	1006	990	980	99
15°	1058	1112	1123	1068	1006	296
25°	904	1152	1133	1162	945	413
35°	653	962	1153	1071	706	409
45°	435	810	1735	905	480	335
55°	214	548	2784	643	263	191
65°	85	318	4922	404	85	85
75°	56	125	4000	163	59	59
85°	12	24	44	31	18	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6
2.5°	1014.2	1017.6	1014.2	1014.2	1011.4	1008.6	1006.9	1002.9	1000.7	999.5	999.5
5°	1031.7	1031.2	1031.7	1031.7	1028.9	1025.5	1023.3	1019.9	1016.5	1015.9	1015.4
7.5°	1044.7	1044.2	1045.9	1049.2	1047.6	1044.7	1044.7	1041.3	1039.1	1039.1	1037.9
10°	1054.9	1055.5	1058.8	1063.9	1065.1	1064.5	1068.4	1067.3	1066.2	1067.3	1066.2
12.5°	1061.7	1062.2	1066.8	1076.4	1082.6	1086.5	1096.7	1097.2	1097.8	1097.8	1097.8
15°	1058.3	1058.3	1067.3	1085.4	1100.6	1112.5	1125.5	1127.7	1125.5	1127.2	1126.0
17.5°	1038.5	1039.6	1054.3	1082.0	1113.1	1139.0	1153.2	1149.2	1145.2	1145.2	1143.6
20°	1004.6	1006.9	1026.7	1065.6	1114.8	1156.0	1178.0	1165.0	1154.3	1152.6	1150.9
22.5°	962.8	961.1	984.9	1034.0	1101.8	1163.3	1193.2	1177.4	1158.2	1154.3	1151.5
25°	904.1	905.2	930.1	984.9	1069.0	1151.5	1197.8	1189.9	1167.3	1162.2	1156.0
27.5°	839.7	842.6	869.1	925.0	1018.2	1122.1	1192.7	1202.3	1184.8	1179.1	1173.5
30°	777.6	779.3	809.2	869.1	955.5	1070.1	1179.1	1215.8	1206.8	1202.3	1197.2
32.5°	711.5	717.2	743.2	810.9	905.8	1013.1	1158.2	1230.0	1233.3	1230.5	1227.7
35°	653.4	657.9	687.3	758.4	857.8	962.3	1132.8	1245.2	1268.4	1267.8	1267.2
37.5°	600.9	602.0	633.0	705.3	810.4	926.7	1106.3	1270.0	1311.3	1316.9	1323.7
40°	538.7	544.4	576.6	654.5	763.5	896.2	1083.7	1303.4	1371.1	1383.6	1393.2
42.5°	489.0	489.0	517.8	595.2	708.2	861.2	1075.8	1345.2	1442.3	1459.2	1476.2
45°	434.8	436.5	464.2	534.8	644.9	810.4	1074.7	1391.5	1521.9	1546.2	1567.1
47.5°	383.4	384.6	413.9	482.3	579.4	740.3	1060.5	1442.9	1605.5	1640.5	1663.7
50°	332.6	330.9	359.2	428.6	521.2	668.1	1015.4	1509.5	1709.4	1744.4	1771.0
52.5°	269.9	274.5	304.9	371.0	464.2	606.5	923.3	1575.0	1816.7	1856.2	1892.4
55°	214.0	213.5	247.9	307.8	402.6	548.3	814.3	1621.3	1921.2	1966.9	2007.0
57.5°	153.6	155.3	184.7	244.0	338.8	496.4	731.9	1613.4	2001.9	2056.1	2107.0
60°	111.2	114.6	136.7	180.1	270.5	436.5	674.3	1521.9	2057.3	2131.2	2192.8
62.5°	93.7	96.6	115.8	139.5	208.9	373.8	618.4	1375.1	2129.0	2226.7	2315.9
65°	84.7	87.0	106.2	119.7	160.4	317.9	583.4	1271.2	2223.3	2371.8	2493.8
67.5°	76.2	79.6	96.6	106.7	136.1	284.1	573.2	1255.4	2241.4	2437.9	2611.3
69°	72.3	75.7	90.9	100.0	128.2	273.3	554.0	1198.3	2123.3	2334.5	2528.8
70°	70.0	72.8	86.4	96.0	125.9	263.2	526.9	1114.8	1998.0	2210.9	2419.8
72.5°	64.4	66.1	77.4	87.0	115.8	202.2	399.3	805.3	1491.4	1702.1	1907.0
75°	56.5	58.2	68.3	77.9	89.8	125.4	242.3	477.8	915.4	1057.2	1262.7
77.5°	48.6	50.3	58.7	73.4	71.2	81.9	148.0	285.7	480.0	550.6	682.2
80°	38.4	40.7	49.1	70.6	59.3	64.9	108.4	211.2	292.0	321.3	355.8
82.5°	27.1	28.2	37.3	56.5	44.6	49.1	81.3	175.6	234.4	255.8	266.0
85°	12.4	13.0	22.0	33.3	26.5	23.7	43.5	112.4	155.3	161.5	170.5
87.5°	0.0	0.0	2.3	2.3	4.5	2.8	5.1	14.1	23.7	23.7	28.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6
2.5°	1000.1	999.5	1000.1	1000.1	1000.7	998.4	997.9	997.3	996.7	997.3	996.2
5°	1015.4	1014.8	1014.8	1015.4	1014.8	1013.1	1012.5	1012.5	1010.8	1010.3	1010.3
7.5°	1038.5	1037.4	1035.7	1036.8	1037.4	1036.8	1037.4	1035.7	1035.7	1034.0	1034.6
10°	1067.3	1066.2	1065.6	1066.8	1067.3	1066.8	1067.3	1065.1	1064.5	1063.9	1062.8
12.5°	1098.9	1096.7	1098.4	1098.4	1098.9	1101.2	1098.4	1099.5	1097.2	1097.2	1096.7
15°	1126.6	1126.0	1127.2	1127.2	1126.6	1128.3	1127.7	1128.3	1125.5	1124.4	1127.2
17.5°	1144.1	1142.4	1143.0	1142.4	1142.4	1142.4	1143.6	1143.6	1141.9	1141.3	1142.4
20°	1148.6	1145.8	1145.2	1144.7	1143.6	1143.6	1144.1	1143.0	1141.9	1140.7	1141.9
22.5°	1147.5	1144.1	1140.7	1139.0	1137.3	1135.1	1134.5	1133.4	1131.7	1131.7	1132.3
25°	1151.5	1145.2	1140.2	1136.8	1132.3	1129.4	1127.2	1124.4	1121.5	1119.8	1120.4
27.5°	1165.0	1158.2	1151.5	1144.7	1137.9	1132.3	1127.7	1122.7	1118.1	1114.8	1113.1
30°	1190.4	1181.4	1173.5	1165.6	1157.1	1149.2	1141.9	1134.0	1125.5	1120.4	1115.9
32.5°	1219.8	1213.6	1208.5	1199.5	1190.4	1180.8	1171.8	1165.0	1152.6	1143.0	1135.1
35°	1264.4	1262.1	1259.3	1252.5	1242.4	1237.3	1230.0	1219.2	1204.5	1196.1	1184.2
37.5°	1326.0	1326.5	1324.3	1321.4	1322.6	1313.0	1308.4	1307.3	1292.6	1287.0	1269.5
40°	1401.6	1410.1	1417.4	1417.4	1423.1	1423.7	1422.5	1432.1	1421.4	1423.7	1405.0
42.5°	1485.8	1506.1	1517.4	1525.9	1544.5	1553.0	1567.1	1588.0	1589.1	1599.8	1601.0
45°	1585.2	1607.7	1629.2	1651.2	1676.1	1705.4	1734.8	1756.3	1790.2	1797.5	1821.8
47.5°	1688.5	1721.3	1746.1	1774.3	1816.7	1854.5	1898.0	1942.1	1981.0	2008.7	2024.5
50°	1802.6	1835.9	1872.0	1903.7	1948.8	2001.9	2062.3	2122.8	2173.0	2222.2	2261.7
52.5°	1929.1	1965.8	1999.7	2040.9	2086.6	2149.9	2215.9	2299.0	2366.2	2433.4	2481.9
55°	2050.5	2091.7	2122.8	2175.3	2222.7	2287.7	2369.6	2467.8	2561.0	2642.3	2708.4
57.5°	2156.1	2196.7	2240.2	2285.4	2343.0	2408.0	2508.5	2620.3	2726.5	2833.2	2930.9
60°	2254.9	2309.7	2357.1	2417.0	2474.6	2549.7	2669.4	2807.8	2952.9	3085.6	3183.3
62.5°	2404.0	2474.0	2529.9	2603.9	2684.1	2772.8	2904.9	3057.4	3246.6	3417.7	3569.6
65°	2612.4	2719.7	2810.0	2901.0	2998.6	3120.6	3263.5	3457.2	3666.1	3919.1	4119.6
67.5°	2760.9	2895.3	3012.2	3126.3	3238.7	3373.6	3550.4	3777.4	4047.9	4313.9	4568.6
69°	2701.0	2843.4	2973.2	3086.7	3205.3	3340.3	3512.5	3761.6	4037.2	4329.7	4582.1
70°	2575.1	2728.7	2867.6	2976.1	3097.5	3231.3	3421.6	3659.4	3940.6	4243.3	4490.6
72.5°	2070.8	2232.9	2370.1	2490.4	2617.5	2774.5	2943.9	3172.0	3483.7	3780.2	4000.5
75°	1426.5	1577.8	1733.1	1822.9	1968.6	2080.4	2241.4	2475.2	2735.5	2953.5	3157.3
77.5°	807.0	888.3	1005.8	1042.5	1146.9	1221.5	1306.8	1450.8	1586.3	1712.8	1749.5
80°	367.1	342.8	354.6	336.6	356.3	343.9	329.8	337.7	336.0	361.4	337.7
82.5°	264.3	228.1	189.7	163.8	144.0	122.0	103.9	93.2	92.0	96.6	94.9
85°	168.9	154.2	120.8	97.1	74.5	57.6	48.0	43.5	43.5	46.3	45.7
87.5°	29.4	25.4	15.8	13.6	11.9	7.9	5.1	5.1	4.5	5.6	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6
2.5°	996.2	995.6	994.5	993.9	993.9	992.8	992.2	993.3	993.9	994.5	992.8
5°	1010.3	1008.6	1008.0	1008.6	1005.8	1006.3	1005.8	1006.3	1006.3	1006.3	1005.2
7.5°	1032.9	1031.2	1032.3	1031.2	1029.5	1028.9	1028.9	1027.2	1025.0	1024.4	1025.0
10°	1063.9	1061.7	1062.2	1062.8	1061.1	1060.0	1058.3	1056.0	1056.0	1055.5	1054.3
12.5°	1097.2	1096.1	1096.1	1096.7	1096.1	1093.9	1091.6	1090.5	1089.9	1089.9	1089.9
15°	1126.0	1125.5	1126.0	1125.5	1125.5	1124.4	1123.2	1121.5	1121.0	1121.5	1122.1
17.5°	1142.4	1140.7	1142.4	1143.0	1142.4	1142.4	1142.4	1141.3	1140.7	1140.7	1141.3
20°	1143.6	1142.4	1143.6	1145.2	1145.2	1145.8	1146.9	1147.5	1146.9	1148.1	1148.6
22.5°	1132.3	1132.3	1134.0	1135.6	1138.5	1139.6	1141.9	1143.0	1144.1	1145.8	1146.9
25°	1121.0	1120.4	1122.1	1125.5	1127.7	1130.6	1133.4	1135.6	1137.9	1140.2	1142.4
27.5°	1113.1	1112.5	1113.6	1116.4	1119.3	1122.7	1127.2	1130.6	1133.4	1136.2	1137.9
30°	1113.6	1111.4	1110.8	1113.1	1115.9	1119.8	1124.4	1128.3	1132.3	1134.5	1136.2
32.5°	1130.0	1124.4	1122.1	1121.5	1122.7	1125.5	1128.9	1132.8	1135.6	1137.9	1138.5
35°	1172.4	1161.6	1159.4	1152.0	1153.2	1152.6	1152.6	1154.8	1157.1	1157.1	1153.2
37.5°	1258.2	1242.9	1232.2	1224.9	1217.5	1217.0	1215.8	1214.7	1209.1	1205.7	1205.1
40°	1392.0	1385.8	1365.5	1359.8	1347.4	1338.9	1341.2	1336.7	1323.1	1318.0	1315.8
42.5°	1587.4	1590.8	1579.5	1553.0	1542.2	1525.9	1512.3	1510.1	1497.6	1487.5	1479.6
45°	1816.7	1822.9	1814.4	1795.2	1776.0	1751.2	1734.8	1703.2	1690.8	1675.0	1664.2
47.5°	2052.2	2069.1	2055.6	2038.6	2027.9	1988.9	1955.1	1918.3	1899.7	1877.1	1867.0
50°	2286.0	2315.9	2308.0	2292.2	2280.3	2231.2	2198.4	2147.6	2136.9	2114.3	2101.9
52.5°	2519.8	2549.1	2566.6	2552.0	2543.5	2504.0	2481.4	2440.7	2410.2	2396.1	2395.5
55°	2755.8	2803.3	2830.9	2825.8	2811.7	2806.6	2784.1	2780.1	2756.4	2741.1	2720.8
57.5°	2986.8	3037.0	3085.0	3113.3	3125.1	3121.2	3131.9	3130.8	3134.2	3132.5	3099.2
60°	3280.4	3360.1	3430.1	3474.7	3517.1	3546.4	3553.8	3597.2	3584.8	3611.9	3560.0
62.5°	3694.9	3798.3	3904.5	3951.3	4003.3	4098.7	4121.3	4172.7	4180.6	4187.4	4159.7
65°	4272.6	4408.2	4568.6	4640.3	4721.6	4844.1	4921.5	4976.3	4974.6	4937.3	4901.7
67.5°	4765.6	4926.0	5073.4	5198.2	5319.6	5415.1	5496.4	5570.4	5574.3	5551.2	5490.2
69°	4808.0	4975.7	5136.1	5286.3	5406.6	5512.8	5595.2	5652.8	5665.2	5644.9	5588.4
70°	4729.5	4898.9	5073.4	5217.4	5353.5	5465.9	5554.6	5609.9	5626.8	5605.9	5552.9
72.5°	4246.7	4411.0	4541.5	4710.9	4904.6	4975.2	5111.8	5157.0	5198.8	5171.1	5139.5
75°	3326.7	3481.5	3616.4	3704.5	3793.2	3967.7	4000.5	4085.2	4114.0	4086.9	4121.9
77.5°	1733.1	1837.6	1882.8	1812.2	1822.9	1960.7	1882.8	1974.3	2026.8	2042.0	2064.0
80°	331.5	348.4	361.4	356.9	361.4	371.6	345.6	331.5	350.1	346.2	346.2
82.5°	97.7	96.0	96.0	101.1	100.5	102.8	102.8	98.8	101.6	101.6	102.2
85°	44.6	42.4	41.8	42.4	41.8	41.8	43.5	43.5	46.9	44.0	44.6
87.5°	5.6	5.1	5.6	5.6	4.5	4.5	5.1	5.6	5.6	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148946

CATALOG NUMBER: TLM-F02-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6	991.6
2.5°	992.2	991.6	991.6	991.6	991.1	990.5	989.9	988.3	986.6	986.0	983.2
5°	1002.9	1003.5	1002.4	1001.2	1001.2	1001.2	999.5	995.0	991.6	989.9	986.0
7.5°	1025.5	1024.4	1022.7	1022.1	1021.0	1021.6	1018.2	1012.5	1006.3	1002.4	996.2
10°	1055.5	1054.3	1053.2	1052.1	1050.4	1050.4	1046.4	1037.9	1028.3	1021.6	1010.3
12.5°	1090.5	1089.3	1088.2	1087.6	1084.8	1084.3	1078.6	1068.4	1056.0	1043.0	1026.7
15°	1122.7	1121.0	1120.4	1118.7	1117.0	1116.4	1111.4	1097.8	1082.6	1067.9	1046.4
17.5°	1143.0	1141.9	1140.2	1139.0	1138.5	1137.9	1130.6	1119.3	1107.4	1092.7	1066.8
20°	1149.8	1150.3	1149.2	1148.1	1146.4	1145.2	1138.5	1127.7	1125.5	1117.6	1091.0
22.5°	1148.6	1148.6	1148.1	1145.8	1144.7	1141.9	1132.3	1127.2	1139.6	1143.0	1109.1
25°	1144.1	1143.6	1141.9	1140.2	1136.8	1132.8	1118.1	1121.0	1156.0	1162.2	1113.1
27.5°	1139.0	1138.5	1135.6	1131.7	1126.6	1121.0	1102.3	1121.0	1171.2	1166.1	1096.7
30°	1136.2	1134.0	1130.0	1124.4	1117.6	1111.4	1091.0	1135.6	1182.0	1152.6	1051.5
32.5°	1136.8	1132.8	1127.2	1119.8	1111.9	1104.6	1090.5	1161.6	1185.9	1119.8	987.7
35°	1150.3	1144.1	1136.8	1129.4	1121.5	1114.8	1115.9	1197.8	1185.3	1070.7	926.1
37.5°	1199.5	1188.7	1183.6	1175.7	1164.4	1158.8	1181.4	1237.9	1177.4	1010.8	871.9
40°	1307.9	1298.8	1291.5	1271.2	1275.1	1270.6	1292.1	1292.6	1167.3	960.6	826.7
42.5°	1466.0	1466.0	1450.2	1447.4	1436.6	1441.7	1451.3	1357.0	1157.1	930.7	782.1
45°	1652.4	1666.5	1660.3	1658.6	1667.0	1677.2	1633.2	1433.3	1157.7	904.7	730.2
47.5°	1873.7	1885.6	1891.8	1902.0	1912.7	1906.5	1815.6	1513.4	1167.8	867.4	663.5
50°	2109.2	2138.0	2147.1	2160.0	2169.6	2171.3	1988.4	1595.9	1178.6	799.1	591.3
52.5°	2401.2	2428.3	2437.9	2446.9	2439.6	2433.4	2157.8	1693.6	1170.1	717.8	529.7
55°	2744.5	2749.6	2747.9	2736.6	2730.4	2696.5	2314.8	1797.5	1104.0	642.6	471.0
57.5°	3102.0	3104.2	3083.9	3044.4	2998.6	2966.5	2465.6	1883.3	964.0	582.2	412.8
60°	3562.2	3515.9	3481.5	3421.1	3346.5	3277.6	2627.1	1931.3	830.1	524.1	347.3
62.5°	4117.9	4025.3	3950.8	3889.8	3779.7	3658.2	2833.2	1937.5	748.8	468.7	272.8
65°	4837.4	4739.7	4612.6	4508.1	4389.0	4225.2	3165.8	1892.9	708.7	404.3	199.3
67.5°	5403.8	5305.0	5162.6	5045.7	4892.1	4701.3	3441.4	1815.0	699.1	346.2	157.0
69°	5502.6	5394.7	5266.6	5120.3	4957.1	4753.2	3452.1	1724.6	684.4	324.1	144.0
70°	5466.5	5354.1	5230.4	5075.1	4892.1	4682.6	3370.8	1624.1	655.1	311.7	139.5
72.5°	5061.0	4889.9	4765.6	4632.9	4410.4	4198.1	2902.1	1228.8	509.9	262.6	130.4
75°	4051.8	3905.6	3765.5	3699.5	3514.8	3334.7	2178.7	780.4	333.2	163.2	102.2
77.5°	2065.7	2039.2	2079.3	2049.4	1916.1	1916.1	1344.6	414.5	196.0	98.3	77.9
80°	371.0	386.8	379.5	395.3	367.6	408.3	472.7	278.4	138.9	75.1	63.8
82.5°	103.9	105.0	103.9	104.5	107.9	113.5	245.7	239.4	107.3	56.5	49.7
85°	48.6	49.1	50.3	50.3	54.8	55.9	164.9	171.7	62.7	31.1	33.3
87.5°	5.6	7.3	7.3	6.8	7.9	7.9	30.5	34.4	8.5	6.2	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148946

CATALOG NUMBER: TLM-F02-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	991.6	991.6	991.6	991.6
2.5°	980.9	978.7	976.4	978.1
5°	984.3	980.9	978.1	979.8
7.5°	993.3	987.7	987.1	987.1
10°	1004.6	996.7	994.5	994.5
12.5°	1016.5	1005.8	1001.8	1001.8
15°	1028.9	1013.7	1008.0	1006.3
17.5°	1043.0	1021.6	1011.4	1011.4
20°	1056.6	1022.7	1007.5	1006.9
22.5°	1058.8	1009.7	987.7	986.6
25°	1041.9	979.2	950.4	944.8
27.5°	1001.8	931.8	901.3	900.2
30°	941.4	869.7	838.6	835.2
32.5°	882.1	805.9	777.1	777.1
35°	822.2	747.7	710.4	706.5
37.5°	766.9	686.1	652.8	652.2
40°	716.1	632.5	600.3	595.2
42.5°	665.2	576.0	539.3	538.2
45°	604.8	514.5	482.8	480.0
47.5°	540.4	459.1	425.8	425.2
50°	482.3	407.7	374.4	374.4
52.5°	429.2	357.5	324.1	320.8
55°	369.3	300.4	266.5	262.6
57.5°	304.4	236.6	206.1	197.7
60°	235.5	172.2	141.2	136.7
62.5°	171.7	125.9	102.8	99.4
65°	129.3	107.3	88.1	84.7
67.5°	111.2	96.6	80.2	76.8
69°	103.3	91.5	76.8	73.4
70°	100.0	88.1	74.0	71.2
72.5°	92.0	80.8	67.8	66.6
75°	84.1	73.4	61.0	59.3
77.5°	81.3	63.8	52.5	51.4
80°	83.0	52.0	42.9	41.8
82.5°	67.8	41.8	33.3	31.6
85°	42.4	28.2	17.5	17.5
87.5°	10.7	9.0	5.1	5.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)