

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: P154566

Luminaire Tested: **TLM-F04-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154566
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-F04-LED-E1-T2-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

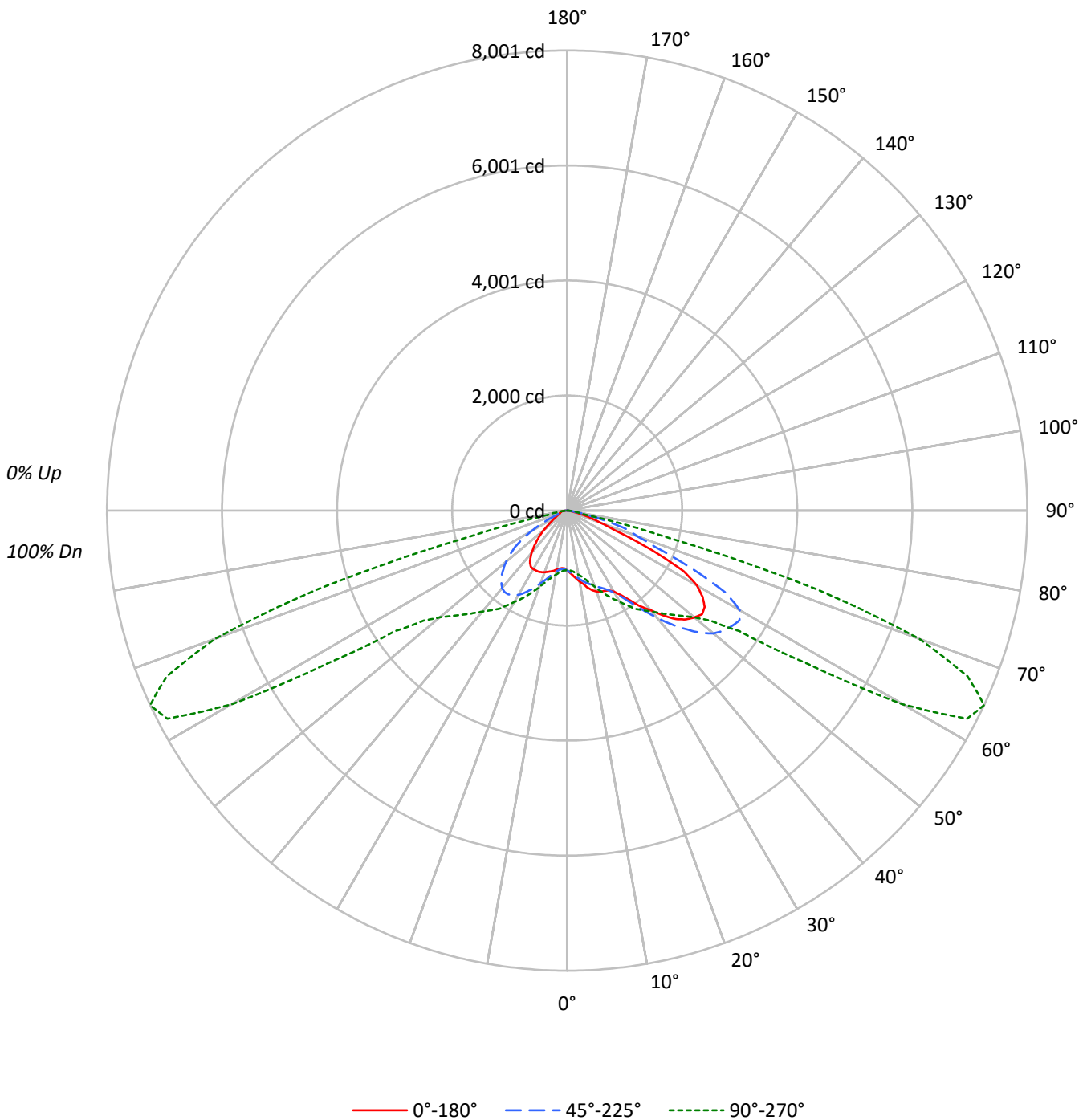
Lumens per Lamp: N/A
Luminaire Lumens: 10381.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 102.2
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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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	107	101	96	91	104	98	94	90	94	90	87	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	71	61	53	81	69	60	53	66	58	51	63	56	50	60	54	50	47
4	75	60	50	42	72	59	49	41	56	48	41	54	46	40	51	45	39	37
5	67	52	42	34	65	51	41	33	49	40	33	46	39	33	44	38	32	30
6	61	46	35	28	59	45	35	27	43	34	27	41	33	27	39	32	27	24
7	56	40	30	23	54	40	30	23	38	29	23	36	28	23	35	28	22	20
8	52	36	26	20	50	35	26	20	34	26	19	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	28	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	16674	16674	16674
5°	18233	17085	16211
10°	20397	18480	16932
15°	23106	20644	18202
20°	25624	24176	19502
25°	27288	28729	20782
30°	30129	33963	21790
35°	37303	40980	22084
40°	47349	48060	20110
45°	60638	58148	16963
50°	72236	72039	13239
55°	81776	102402	9428
60°	83721	216326	7403
65°	61568	304149	6227
70°	29231	306007	6153
75°	15915	113642	7498
80°	7522	18180	9613
85°	3539	11244	11244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	1.0
10°-20°	357.0	3.4
20°-30°	701.4	6.8
30°-40°	1165.4	11.2
40°-50°	1712.4	16.5
50°-60°	2370.8	22.8
60°-70°	2829.8	27.3
70°-80°	1000.7	9.6
80°-90°	139.8	1.3
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°	1162.3	11.2
0°-40°	2327.7	22.4
0°-60°	6410.9	61.8
0°-90°	10381.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10381.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1038	1038	1038	1038	1038	
5°	1131	1109	1059	1019	1005	112
15°	1389	1302	1241	1192	1094	395
25°	1539	1493	1621	1524	1172	718
35°	1902	1966	2090	1780	1126	1216
45°	2669	2913	2559	1613	747	2043
55°	2920	3500	3656	1102	337	2558
65°	1620	2414	8001	341	164	1579
75°	256	726	1831	137	121	316
85°	19	40	61	104	61	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1083.1	1084.3	1082.0	1080.9	1077.5	1071.8	1067.3	1062.8	1062.8	1062.8	1059.4
5°	1130.6	1132.8	1128.3	1124.9	1114.8	1109.1	1101.2	1095.6	1093.3	1092.2	1088.8
7.5°	1190.4	1187.0	1180.3	1178.0	1170.1	1157.7	1143.0	1131.7	1131.7	1130.6	1131.7
10°	1250.3	1241.2	1237.9	1234.5	1222.0	1206.2	1189.3	1176.9	1175.7	1174.6	1171.2
12.5°	1310.1	1306.8	1303.4	1290.9	1278.5	1253.7	1234.5	1222.0	1220.9	1222.0	1217.5
15°	1389.2	1381.3	1377.9	1356.5	1329.3	1302.2	1278.5	1267.2	1263.8	1265.0	1261.6
17.5°	1450.2	1450.2	1442.3	1418.6	1383.6	1346.3	1321.4	1314.7	1313.5	1313.5	1314.7
20°	1498.8	1497.6	1489.7	1470.5	1428.7	1391.5	1379.0	1376.8	1375.7	1375.7	1379.0
22.5°	1525.9	1523.6	1520.2	1498.8	1466.0	1441.2	1442.3	1449.1	1451.3	1453.6	1458.1
25°	1539.4	1536.0	1534.9	1520.2	1496.5	1493.1	1513.4	1531.5	1536.0	1540.5	1546.2
27.5°	1562.0	1556.4	1558.6	1553.0	1547.3	1557.5	1599.3	1618.5	1621.9	1627.5	1630.9
30°	1624.1	1621.9	1630.9	1633.2	1637.7	1652.4	1690.8	1708.8	1716.7	1716.7	1732.6
32.5°	1742.7	1743.8	1746.1	1769.8	1777.7	1787.9	1808.2	1822.9	1824.0	1825.2	1839.8
35°	1902.0	1908.7	1927.9	1948.3	1967.5	1966.3	1953.9	1961.8	1956.2	1963.0	1964.1
37.5°	2103.0	2094.0	2122.2	2168.5	2197.9	2190.0	2134.6	2098.5	2108.7	2104.1	2100.7
40°	2257.7	2267.9	2322.1	2383.1	2405.7	2430.5	2358.3	2296.1	2287.1	2270.2	2260.0
42.5°	2471.2	2472.3	2516.4	2561.6	2627.1	2681.3	2635.0	2545.7	2518.6	2498.3	2454.3
45°	2668.9	2665.5	2701.6	2756.9	2834.9	2912.8	2929.8	2832.6	2822.5	2786.3	2728.7
47.5°	2801.0	2796.5	2821.3	2893.6	3020.1	3147.7	3217.8	3188.4	3169.2	3154.5	3064.2
50°	2890.2	2881.2	2909.4	2986.2	3127.4	3323.9	3506.9	3531.7	3523.8	3523.8	3466.2
52.5°	2956.9	2956.9	2977.2	3039.3	3182.7	3427.8	3755.4	3880.7	3890.9	3902.2	3898.8
55°	2919.6	2925.2	2976.1	3066.4	3217.8	3500.1	3960.9	4235.4	4291.8	4339.3	4393.5
57.5°	2792.0	2811.2	2878.9	3026.9	3226.8	3554.3	4189.1	4732.3	4891.6	5029.4	5244.0
60°	2605.6	2630.5	2728.7	2917.3	3160.2	3466.2	4269.3	5152.5	5405.5	5705.9	6266.1
62.5°	2286.0	2310.8	2406.8	2595.4	2803.3	3128.5	3937.2	5214.6	5618.9	6044.7	6891.8
65°	1619.6	1580.1	1690.8	1860.2	2098.5	2413.6	3181.6	4797.8	5379.5	5956.6	7002.5
67.5°	902.4	899.0	966.8	1093.3	1321.4	1660.3	2192.2	3679.7	4215.0	4869.0	6153.2
70°	622.3	629.1	672.0	808.7	997.3	1289.8	1562.0	2310.8	2696.0	3139.8	4402.5
72.5°	437.1	451.8	475.5	556.8	749.9	1086.5	1595.9	1381.3	1573.3	1876.0	2647.4
75°	256.4	266.5	283.5	323.0	426.9	726.2	1652.4	1214.1	1214.1	1285.3	1601.5
77.5°	158.1	158.1	168.3	184.1	227.0	355.8	1176.9	1364.4	1326.0	1285.3	1288.7
80°	81.3	87.0	101.6	109.6	126.5	162.6	528.6	1272.9	1396.0	1478.4	1420.8
82.5°	37.3	41.8	62.1	66.6	73.4	85.8	181.8	724.0	970.2	1277.4	1595.9
85°	19.2	19.2	32.8	40.7	44.0	39.5	66.6	292.5	442.7	675.4	1057.2
87.5°	3.4	3.4	5.6	6.8	10.2	9.0	11.3	16.9	28.2	30.5	31.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1058.3	1059.4	1058.3	1057.2	1054.9	1054.9	1054.9	1053.8	1053.8	1053.8	1052.6
5°	1088.8	1084.3	1085.4	1083.1	1082.0	1080.9	1082.0	1079.7	1077.5	1078.6	1077.5
7.5°	1127.2	1124.9	1120.4	1120.4	1119.3	1117.0	1117.0	1113.6	1112.5	1110.2	1109.1
10°	1170.1	1164.4	1166.7	1164.4	1165.6	1161.1	1158.8	1156.5	1154.3	1154.3	1155.4
12.5°	1214.1	1213.0	1209.6	1207.4	1207.4	1204.0	1205.1	1204.0	1200.6	1199.5	1196.1
15°	1259.3	1259.3	1255.9	1257.1	1255.9	1253.7	1251.4	1251.4	1249.2	1246.9	1248.0
17.5°	1312.4	1312.4	1312.4	1312.4	1313.5	1310.1	1311.3	1309.0	1306.8	1311.3	1311.3
20°	1381.3	1385.8	1385.8	1384.7	1390.3	1386.9	1385.8	1391.5	1385.8	1393.7	1392.6
22.5°	1460.4	1464.9	1464.9	1469.4	1470.5	1473.9	1476.2	1473.9	1478.4	1482.9	1482.9
25°	1548.5	1553.0	1556.4	1563.1	1566.5	1564.3	1565.4	1571.0	1573.3	1577.8	1582.3
27.5°	1641.1	1642.2	1646.7	1654.6	1660.3	1662.5	1663.7	1672.7	1673.8	1676.1	1680.6
30°	1731.4	1742.7	1740.5	1750.6	1754.0	1757.4	1764.2	1767.6	1775.5	1780.0	1780.0
32.5°	1837.6	1835.3	1844.4	1852.3	1857.9	1863.6	1869.2	1873.7	1878.2	1880.5	1891.8
35°	1969.7	1974.3	1974.3	1975.4	1988.9	1990.1	1994.6	2004.7	2008.1	2014.9	2019.4
37.5°	2100.7	2092.8	2091.7	2091.7	2087.2	2090.6	2091.7	2092.8	2097.4	2098.5	2103.0
40°	2247.6	2237.4	2228.4	2222.7	2213.7	2201.3	2199.0	2193.4	2196.7	2195.6	2196.7
42.5°	2448.6	2420.4	2398.9	2383.1	2365.0	2351.5	2341.3	2326.6	2316.5	2304.0	2301.8
45°	2705.0	2651.9	2615.8	2589.8	2563.8	2526.5	2505.1	2482.5	2462.2	2441.8	2424.9
47.5°	3041.6	2985.1	2927.5	2880.1	2839.4	2779.5	2718.5	2684.7	2645.1	2610.1	2585.3
50°	3438.0	3370.2	3343.1	3276.5	3225.7	3135.3	3059.6	3004.3	2925.2	2872.2	2825.8
52.5°	3843.5	3826.5	3811.8	3755.4	3695.5	3643.6	3576.9	3479.8	3399.6	3338.6	3243.7
55°	4395.8	4403.7	4398.0	4367.5	4346.1	4296.4	4269.3	4184.6	4148.4	4060.3	3960.9
57.5°	5325.3	5388.5	5468.7	5500.3	5543.3	5502.6	5550.0	5607.6	5464.2	5513.9	5424.7
60°	6512.3	6802.6	6975.4	7187.7	7326.6	7520.9	7555.9	7606.7	7592.1	7620.3	7677.9
62.5°	7237.4	7581.9	7912.8	8153.4	8410.9	8553.2	8724.9	8844.6	8968.8	9052.4	9028.7
65°	7450.9	7805.5	8105.9	8369.1	8599.5	8773.4	8932.7	9082.9	9197.0	9277.2	9324.6
67.5°	6667.0	7130.1	7446.4	7754.7	8051.7	8234.7	8368.0	8513.7	8680.8	8819.8	8846.9
70°	5016.9	5711.5	6159.9	6529.3	6878.3	7124.5	7310.8	7446.4	7576.2	7675.6	7784.1
72.5°	3137.6	3745.2	4258.0	4736.8	5107.3	5446.1	5603.1	5903.6	5864.0	5939.7	6021.0
75°	1880.5	2176.4	2458.8	2796.5	2990.7	3273.1	3323.9	3373.6	3347.6	3262.9	3326.2
77.5°	1306.8	1355.3	1353.1	1333.9	1313.5	1263.8	1199.5	1164.4	1140.7	1106.8	1120.4
80°	1314.7	1209.6	1049.2	882.1	728.5	626.8	586.2	586.2	628.0	687.8	747.7
82.5°	1571.0	1459.2	1301.1	1088.8	862.9	702.5	595.2	552.3	560.2	621.2	698.0
85°	1059.4	1084.3	951.0	869.7	689.0	536.5	449.5	364.8	323.0	333.2	377.2
87.5°	38.4	46.3	16.9	22.6	15.8	13.6	13.6	14.7	10.2	12.4	11.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1051.5	1050.4	1050.4	1048.1	1048.1	1047.0	1047.0	1045.9	1044.7	1044.7	1043.6
5°	1076.4	1075.2	1073.0	1071.8	1069.6	1069.6	1068.4	1066.2	1066.2	1063.9	1062.8
7.5°	1111.4	1109.1	1106.8	1105.7	1104.6	1101.2	1101.2	1098.9	1098.9	1096.7	1095.6
10°	1153.2	1150.9	1148.6	1149.8	1146.4	1145.2	1143.0	1143.0	1139.6	1138.5	1138.5
12.5°	1198.3	1197.2	1197.2	1193.8	1192.7	1191.6	1187.0	1187.0	1187.0	1184.8	1185.9
15°	1246.9	1248.0	1244.6	1248.0	1246.9	1243.5	1243.5	1243.5	1239.0	1244.6	1240.1
17.5°	1312.4	1315.8	1313.5	1314.7	1312.4	1312.4	1313.5	1312.4	1314.7	1314.7	1321.4
20°	1393.7	1394.9	1400.5	1398.2	1398.2	1397.1	1399.4	1400.5	1405.0	1402.8	1407.3
22.5°	1482.9	1488.6	1489.7	1494.2	1494.2	1493.1	1495.4	1499.9	1502.1	1505.5	1504.4
25°	1584.6	1588.0	1592.5	1586.9	1595.9	1595.9	1598.1	1603.8	1604.9	1604.9	1612.8
27.5°	1679.5	1688.5	1689.6	1695.3	1691.9	1694.2	1702.1	1705.4	1710.0	1710.0	1712.2
30°	1786.8	1790.2	1792.4	1799.2	1798.1	1799.2	1800.3	1806.0	1806.0	1811.6	1817.3
32.5°	1897.4	1899.7	1902.0	1908.7	1911.0	1915.5	1913.3	1917.8	1923.4	1924.6	1927.9
35°	2029.6	2031.9	2034.1	2044.3	2045.4	2053.3	2055.6	2053.3	2062.3	2056.7	2062.3
37.5°	2106.4	2116.6	2118.8	2125.6	2123.3	2129.0	2132.4	2136.9	2139.1	2143.7	2152.7
40°	2200.1	2203.5	2210.3	2213.7	2218.2	2219.3	2223.9	2227.2	2230.6	2240.8	2251.0
42.5°	2296.1	2300.7	2304.0	2308.6	2314.2	2318.7	2322.1	2332.3	2334.5	2341.3	2360.5
45°	2412.5	2410.2	2411.3	2412.5	2414.7	2420.4	2430.5	2440.7	2447.5	2463.3	2479.1
47.5°	2557.0	2542.4	2536.7	2527.7	2529.9	2542.4	2544.6	2561.6	2575.1	2589.8	2609.0
50°	2776.1	2736.6	2712.9	2689.2	2686.9	2693.7	2702.7	2720.8	2736.6	2755.8	2782.9
52.5°	3144.3	3068.7	3021.2	2955.7	2937.7	2934.3	2927.5	2937.7	2942.2	2968.2	3019.0
55°	3889.8	3749.7	3659.4	3557.7	3462.8	3434.6	3380.4	3391.7	3380.4	3396.2	3471.9
57.5°	5446.1	5334.3	5246.2	5116.3	4953.7	4780.9	4738.0	4560.7	4595.7	4697.3	4631.8
60°	7706.1	7665.5	7602.2	7540.1	7317.6	7192.2	6987.8	6965.2	6821.8	6822.9	6729.2
62.5°	8971.1	9023.0	8984.6	8966.6	8954.2	8914.6	8813.0	8691.0	8508.0	8375.9	8181.6
65°	9332.5	9288.5	9246.7	9241.0	9237.6	9302.0	9316.7	9230.9	9064.8	8859.3	8635.7
67.5°	8911.2	8886.4	8888.6	8841.2	8870.6	8982.4	9060.3	9036.6	8884.1	8635.7	8351.0
70°	7908.3	7859.7	7909.4	7971.5	8015.6	8080.0	8157.9	8177.1	8038.2	7782.9	7492.7
72.5°	5921.6	5929.5	5977.0	5993.9	6171.2	6153.2	6223.2	5995.0	5894.5	5651.7	5502.6
75°	3116.1	3065.3	3197.4	2917.3	2802.1	2882.3	2657.6	2441.8	2487.0	2524.3	2255.5
77.5°	1101.2	1030.0	909.2	860.6	716.1	606.5	495.8	447.3	421.3	407.7	390.8
80°	790.6	813.2	788.3	729.6	620.1	497.0	391.9	309.5	265.4	241.7	225.9
82.5°	799.6	888.9	928.4	911.5	812.1	614.4	405.5	258.6	192.0	160.4	149.1
85°	429.2	469.8	451.8	380.6	342.2	204.4	140.0	93.7	79.1	72.3	66.6
87.5°	16.9	13.6	11.3	11.3	12.4	13.6	11.3	12.4	11.3	11.3	11.3
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: P154566

CATALOG NUMBER: TLM-F04-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1041.3	1041.3	1041.3	1040.2	1037.9	1032.3	1026.7	1022.1	1018.7	1015.4	1010.8
5°	1061.7	1059.4	1059.4	1059.4	1050.4	1041.3	1033.4	1025.5	1018.7	1013.1	1008.6
7.5°	1095.6	1094.4	1089.9	1088.8	1082.0	1067.3	1058.3	1044.7	1036.8	1028.9	1026.7
10°	1136.2	1135.1	1134.0	1132.8	1123.8	1109.1	1097.8	1085.4	1074.1	1062.8	1051.5
12.5°	1183.6	1182.5	1181.4	1178.0	1174.6	1166.7	1154.3	1140.7	1127.2	1103.5	1091.0
15°	1242.4	1244.6	1242.4	1241.2	1239.0	1240.1	1232.2	1213.0	1191.6	1161.1	1135.1
17.5°	1320.3	1318.0	1316.9	1321.4	1320.3	1326.0	1323.7	1298.8	1266.1	1217.5	1172.4
20°	1406.1	1406.1	1410.7	1414.1	1424.2	1438.9	1432.1	1401.6	1341.8	1274.0	1215.3
22.5°	1508.9	1511.2	1515.7	1513.4	1529.3	1553.0	1555.2	1512.3	1434.4	1340.6	1258.2
25°	1616.2	1618.5	1614.0	1620.7	1646.7	1680.6	1687.4	1626.4	1523.6	1401.6	1294.3
27.5°	1717.9	1720.1	1720.1	1729.2	1754.0	1811.6	1818.4	1750.6	1614.0	1454.7	1320.3
30°	1817.3	1826.3	1828.6	1830.8	1868.1	1948.3	1963.0	1864.7	1693.0	1494.2	1338.4
32.5°	1942.6	1946.0	1950.5	1956.2	1999.1	2097.4	2097.4	1963.0	1743.8	1519.1	1341.8
35°	2077.0	2078.2	2088.3	2089.5	2150.4	2248.7	2229.5	2044.3	1780.0	1513.4	1316.9
37.5°	2158.3	2162.9	2173.0	2186.6	2251.0	2389.9	2345.8	2114.3	1786.8	1476.2	1260.4
40°	2258.9	2267.9	2278.1	2291.6	2387.6	2533.3	2444.1	2158.3	1758.5	1402.8	1175.7
42.5°	2367.3	2379.7	2395.5	2420.4	2534.5	2659.8	2518.6	2165.1	1694.2	1320.3	1075.2
45°	2489.3	2511.9	2529.9	2559.3	2688.1	2769.4	2563.8	2125.6	1612.8	1211.9	967.9
47.5°	2630.5	2648.5	2680.1	2711.8	2840.5	2843.9	2568.3	2048.8	1502.1	1103.5	853.9
50°	2804.4	2815.7	2863.1	2882.3	3003.2	2921.8	2535.6	1944.9	1385.8	981.5	727.4
52.5°	3035.9	3051.7	3112.7	3142.1	3227.9	3028.0	2489.3	1831.9	1252.5	844.8	597.5
55°	3493.3	3562.2	3605.2	3656.0	3711.3	3268.6	2468.9	1711.1	1102.3	686.7	473.2
57.5°	4777.5	4754.9	4849.8	4965.0	4963.9	3818.6	2590.9	1607.2	925.0	525.2	363.7
60°	6690.8	6712.2	6663.7	6732.6	6513.4	4500.8	2758.1	1497.6	725.1	390.8	277.8
62.5°	8112.7	7988.5	7919.6	7838.3	7356.0	4575.3	2636.1	1272.9	527.4	274.5	213.5
65°	8449.3	8303.6	8155.6	8000.9	7273.6	4124.7	2162.9	934.0	341.1	188.6	169.4
67.5°	8117.2	7883.5	7694.8	7535.6	6664.8	3418.8	1581.2	573.8	195.4	152.5	144.6
70°	7256.6	6998.0	6693.0	6514.6	5612.2	2519.8	1013.1	309.5	150.2	135.5	132.1
72.5°	5311.7	5099.4	4766.2	4561.8	4029.8	1531.5	565.8	173.9	140.0	129.9	125.4
75°	2069.1	1958.4	1819.5	1830.8	1634.3	677.7	256.4	150.2	136.7	127.6	123.1
77.5°	355.8	346.7	320.8	320.8	364.8	247.3	170.5	151.3	135.5	125.4	117.5
80°	213.5	208.9	198.8	196.5	189.7	173.9	163.8	153.6	133.3	118.6	108.4
82.5°	140.0	134.4	131.0	129.9	141.2	152.5	153.6	152.5	126.5	102.8	88.1
85°	59.9	59.9	59.9	61.0	81.3	123.1	126.5	135.5	103.9	80.2	63.2
87.5°	10.2	12.4	12.4	13.6	14.7	27.1	33.9	44.0	35.0	33.9	30.5
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: P154566

CATALOG NUMBER: TLM-F04-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1037.9	1037.9	1037.9
2.5°	1009.7	1007.5	1007.5
5°	1006.3	1004.1	1005.2
7.5°	1019.9	1015.4	1016.5
10°	1044.7	1040.2	1037.9
12.5°	1076.4	1070.7	1070.7
15°	1109.1	1095.6	1094.4
17.5°	1136.2	1119.3	1117.0
20°	1166.7	1144.1	1140.7
22.5°	1194.9	1164.4	1159.9
25°	1215.3	1178.0	1172.4
27.5°	1224.3	1180.3	1175.7
30°	1231.1	1181.4	1174.6
32.5°	1224.3	1171.2	1165.6
35°	1187.0	1129.4	1126.0
37.5°	1122.7	1058.3	1053.8
40°	1037.9	970.2	958.9
42.5°	929.5	866.3	853.9
45°	824.5	752.2	746.6
47.5°	711.5	642.6	646.0
50°	593.0	530.8	529.7
52.5°	480.0	425.8	422.4
55°	378.4	340.0	336.6
57.5°	299.3	279.0	275.6
60°	244.0	233.8	230.4
62.5°	196.5	193.1	192.0
65°	163.8	163.8	163.8
67.5°	142.3	143.4	143.4
70°	131.0	132.1	131.0
72.5°	126.5	129.9	129.9
75°	123.1	125.4	120.8
77.5°	120.8	122.0	114.1
80°	119.7	118.6	103.9
82.5°	103.9	100.5	88.1
85°	94.9	72.3	61.0
87.5°	48.6	33.9	26.0
90°	0.0	0.0	0.0

(END OF REPORT)