

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: P154565

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P154565  
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  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (28) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

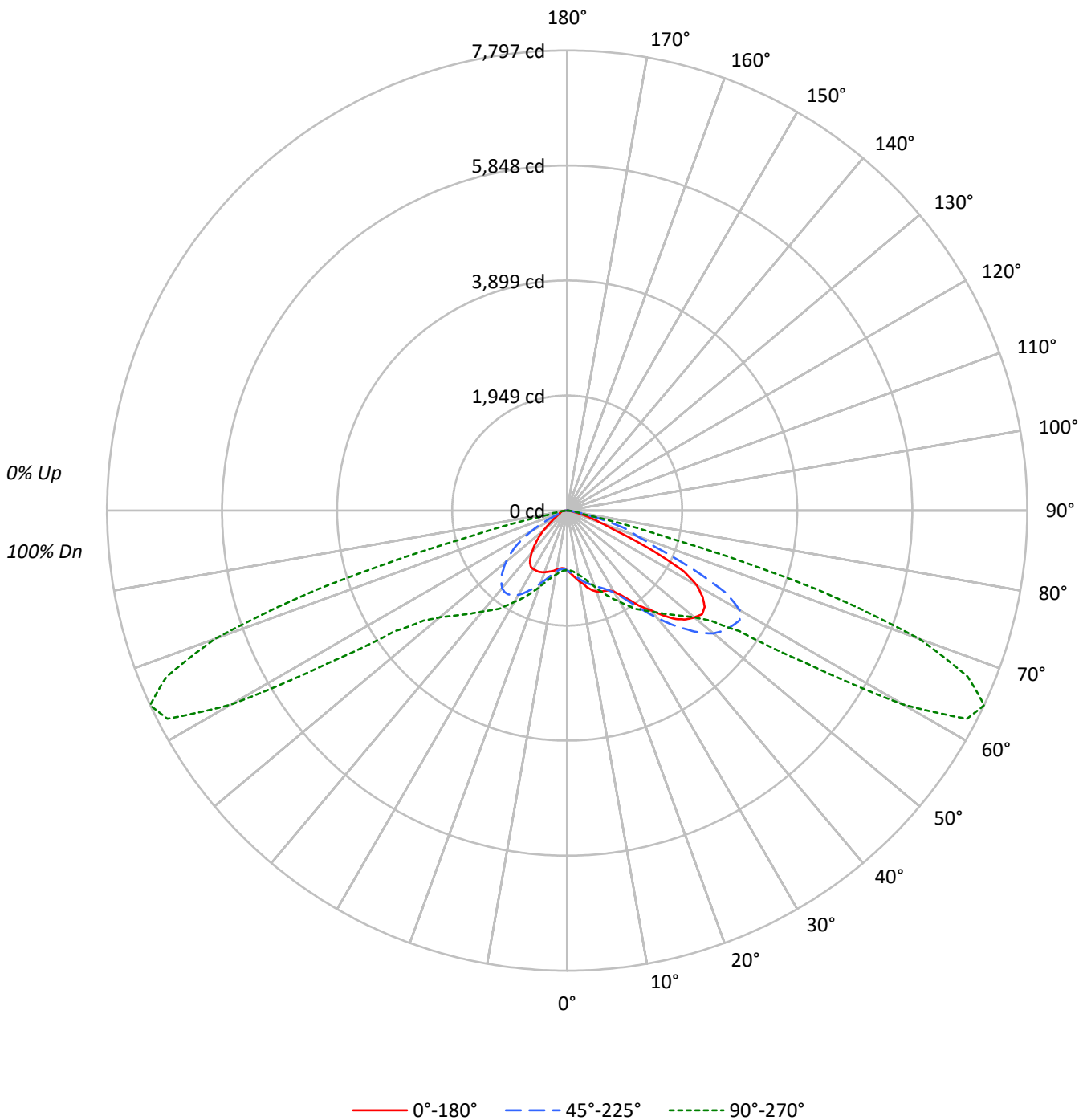
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10117.2 lumens  
Efficiency: N/A  
Efficacy: 99.0 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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CATALOG NUMBER: TLM-F04-LED-E1-T2

### 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°	16250	16250	16250
5°	17769	16651	15798
10°	19878	18010	16501
15°	22518	20120	17740
20°	24971	23561	19006
25°	26595	27999	20252
30°	29362	33099	21235
35°	36354	39937	21523
40°	46145	46837	19598
45°	59095	56669	16531
50°	70399	70207	12902
55°	79695	99798	9187
60°	81590	210822	7213
65°	60002	296413	6067
70°	28489	298219	5998
75°	15512	110750	7312
80°	7337	17717	9372
85°	3447	10949	10949



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.3	1.0
10°-20°	347.9	3.4
20°-30°	683.5	6.8
30°-40°	1135.7	11.2
40°-50°	1668.8	16.5
50°-60°	2310.5	22.8
60°-70°	2757.8	27.3
70°-80°	975.3	9.6
80°-90°	136.3	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°	1132.7	11.2
0°-40°	2268.5	22.4
0°-60°	6247.8	61.8
0°-90°	10117.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10117.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1012	1012	1012	1012	1012	
5°	1102	1081	1032	993	980	109
15°	1354	1269	1210	1161	1067	385
25°	1500	1455	1580	1485	1142	699
35°	1854	1916	2036	1735	1097	1185
45°	2601	2839	2494	1572	728	1991
55°	2845	3411	3563	1074	328	2493
65°	1578	2352	7797	332	160	1539
75°	250	708	1784	133	118	308
85°	19	38	59	101	59	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°	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5
2.5°	1055.6	1056.7	1054.5	1053.4	1050.1	1044.6	1040.2	1035.8	1035.8	1035.8	1032.5
5°	1101.8	1104.0	1099.6	1096.3	1086.4	1080.9	1073.2	1067.7	1065.5	1064.4	1061.1
7.5°	1160.1	1156.8	1150.2	1148.0	1140.3	1128.2	1113.9	1102.9	1102.9	1101.8	1102.9
10°	1218.5	1209.7	1206.4	1203.1	1191.0	1175.5	1159.0	1146.9	1145.8	1144.7	1141.4
12.5°	1276.8	1273.5	1270.2	1258.1	1246.0	1221.8	1203.1	1191.0	1189.9	1191.0	1186.6
15°	1353.9	1346.2	1342.9	1321.9	1295.5	1269.1	1246.0	1235.0	1231.7	1232.8	1229.5
17.5°	1413.3	1413.3	1405.6	1382.5	1348.4	1312.0	1287.8	1281.2	1280.1	1280.1	1281.2
20°	1460.6	1459.5	1451.8	1433.1	1392.4	1356.1	1344.0	1341.8	1340.7	1340.7	1344.0
22.5°	1487.0	1484.8	1481.5	1460.6	1428.7	1404.5	1405.6	1412.2	1414.4	1416.6	1421.0
25°	1500.3	1497.0	1495.9	1481.5	1458.4	1455.1	1474.9	1492.5	1497.0	1501.4	1506.9
27.5°	1522.3	1516.8	1519.0	1513.5	1508.0	1517.9	1558.6	1577.3	1580.6	1586.1	1589.4
30°	1582.8	1580.6	1589.4	1591.6	1596.0	1610.3	1647.7	1665.4	1673.1	1673.1	1688.5
32.5°	1698.4	1699.5	1701.7	1724.8	1732.5	1742.4	1762.2	1776.5	1777.6	1778.7	1793.0
35°	1853.6	1860.2	1878.9	1898.7	1917.4	1916.3	1904.2	1911.9	1906.4	1913.0	1914.1
37.5°	2049.5	2040.7	2068.2	2113.3	2142.0	2134.3	2080.3	2045.1	2055.0	2050.6	2047.3
40°	2200.3	2210.2	2263.0	2322.5	2344.5	2368.7	2298.3	2237.7	2228.9	2212.4	2202.5
42.5°	2408.3	2409.4	2452.4	2496.4	2560.2	2613.1	2567.9	2481.0	2454.6	2434.7	2391.8
45°	2601.0	2597.7	2632.9	2686.8	2762.8	2838.7	2855.2	2760.6	2750.6	2715.4	2659.3
47.5°	2729.7	2725.3	2749.5	2820.0	2943.3	3067.7	3135.9	3107.3	3088.6	3074.3	2986.2
50°	2816.7	2807.9	2835.4	2910.3	3047.8	3239.4	3417.7	3441.9	3434.2	3434.2	3378.0
52.5°	2881.6	2881.6	2901.4	2962.0	3101.8	3340.6	3659.8	3782.0	3791.9	3802.9	3799.6
55°	2845.3	2850.8	2900.3	2988.4	3135.9	3411.1	3860.2	4127.6	4182.7	4228.9	4281.7
57.5°	2720.9	2739.6	2805.7	2949.9	3144.7	3463.9	4082.5	4611.9	4767.1	4901.4	5110.5
60°	2539.3	2563.5	2659.3	2843.1	3079.8	3378.0	4160.6	5021.4	5267.9	5560.7	6106.7
62.5°	2227.8	2252.0	2345.6	2529.4	2731.9	3048.9	3837.0	5081.9	5476.0	5890.9	6716.5
65°	1578.4	1539.9	1647.7	1812.9	2045.1	2352.2	3100.7	4675.8	5242.6	5805.1	6824.3
67.5°	879.5	876.2	942.2	1065.5	1287.8	1618.0	2136.5	3586.1	4107.8	4745.1	5996.6
70°	606.5	613.1	654.9	788.1	971.9	1257.0	1522.3	2252.0	2627.4	3059.9	4290.5
72.5°	426.0	440.3	463.4	542.6	730.9	1058.9	1555.3	1346.2	1533.3	1828.3	2580.0
75°	249.9	259.8	276.3	314.8	416.1	707.8	1610.3	1183.3	1183.3	1252.6	1560.8
77.5°	154.1	154.1	164.0	179.4	221.2	346.7	1146.9	1329.6	1292.2	1252.6	1255.9
80°	79.3	84.8	99.1	106.8	123.3	158.5	515.1	1240.5	1360.5	1440.8	1384.7
82.5°	36.3	40.7	60.5	64.9	71.5	83.7	177.2	705.5	945.5	1244.9	1555.3
85°	18.7	18.7	31.9	39.6	42.9	38.5	64.9	285.1	431.5	658.2	1030.3
87.5°	3.3	3.3	5.5	6.6	9.9	8.8	11.0	16.5	27.5	29.7	30.8
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5
2.5°	1031.4	1032.5	1031.4	1030.3	1028.1	1028.1	1028.1	1027.0	1027.0	1027.0	1025.9
5°	1061.1	1056.7	1057.8	1055.6	1054.5	1053.4	1054.5	1052.3	1050.1	1051.2	1050.1
7.5°	1098.5	1096.3	1091.9	1091.9	1090.8	1088.6	1088.6	1085.3	1084.2	1082.0	1080.9
10°	1140.3	1134.8	1137.0	1134.8	1135.9	1131.5	1129.3	1127.1	1124.9	1124.9	1126.0
12.5°	1183.3	1182.2	1178.8	1176.6	1176.6	1173.3	1174.4	1173.3	1170.0	1168.9	1165.6
15°	1227.3	1227.3	1224.0	1225.1	1224.0	1221.8	1219.6	1219.6	1217.4	1215.2	1216.3
17.5°	1279.0	1279.0	1279.0	1279.0	1280.1	1276.8	1277.9	1275.7	1273.5	1277.9	1277.9
20°	1346.2	1350.6	1350.6	1349.5	1355.0	1351.7	1350.6	1356.1	1350.6	1358.3	1357.2
22.5°	1423.2	1427.6	1427.6	1432.0	1433.1	1436.4	1438.6	1436.4	1440.8	1445.2	1445.2
25°	1509.1	1513.5	1516.8	1523.4	1526.7	1524.5	1525.6	1531.1	1533.3	1537.7	1542.1
27.5°	1599.3	1600.4	1604.8	1612.5	1618.0	1620.2	1621.3	1630.1	1631.2	1633.4	1637.8
30°	1687.4	1698.4	1696.2	1706.1	1709.4	1712.7	1719.3	1722.6	1730.3	1734.7	1734.7
32.5°	1790.8	1788.6	1797.4	1805.1	1810.7	1816.2	1821.7	1826.1	1830.5	1832.7	1843.7
35°	1919.6	1924.0	1924.0	1925.1	1938.3	1939.4	1943.8	1953.7	1957.0	1963.6	1968.1
37.5°	2047.3	2039.6	2038.5	2038.5	2034.1	2037.4	2038.5	2039.6	2044.0	2045.1	2049.5
40°	2190.4	2180.5	2171.7	2166.2	2157.4	2145.3	2143.1	2137.6	2140.9	2139.8	2140.9
42.5°	2386.3	2358.8	2337.9	2322.5	2304.9	2291.7	2281.8	2267.4	2257.5	2245.4	2243.2
45°	2636.2	2584.4	2549.2	2523.9	2498.6	2462.3	2441.4	2419.3	2399.5	2379.7	2363.2
47.5°	2964.2	2909.1	2853.0	2806.8	2767.2	2708.8	2649.4	2616.4	2577.8	2543.7	2519.5
50°	3350.5	3284.5	3258.1	3193.1	3143.6	3055.5	2981.8	2927.9	2850.8	2799.1	2754.0
52.5°	3745.7	3729.2	3714.9	3659.8	3601.5	3550.9	3485.9	3391.3	3313.1	3253.7	3161.2
55°	4283.9	4291.6	4286.1	4256.4	4235.5	4187.1	4160.6	4078.1	4042.9	3957.0	3860.2
57.5°	5189.8	5251.4	5329.6	5360.4	5402.2	5362.6	5408.8	5465.0	5325.2	5373.6	5286.7
60°	6346.6	6629.5	6797.9	7004.9	7140.2	7329.6	7363.7	7413.2	7398.9	7426.4	7482.6
62.5°	7053.3	7389.0	7711.5	7946.0	8196.9	8335.6	8502.9	8619.6	8740.7	8822.1	8799.0
65°	7261.3	7606.9	7899.7	8156.2	8380.7	8550.2	8705.4	8851.8	8963.0	9041.1	9087.4
67.5°	6497.4	6948.7	7256.9	7557.4	7846.9	8025.2	8155.1	8297.1	8460.0	8595.4	8621.8
70°	4889.3	5566.2	6003.2	6363.1	6703.3	6943.2	7124.8	7256.9	7383.5	7480.4	7586.0
72.5°	3057.7	3649.9	4149.6	4616.3	4977.4	5307.6	5460.6	5753.4	5714.8	5788.6	5867.8
75°	1832.7	2121.0	2396.2	2725.3	2914.7	3189.8	3239.4	3287.8	3262.5	3179.9	3241.6
77.5°	1273.5	1320.8	1318.6	1299.9	1280.1	1231.7	1168.9	1134.8	1111.7	1078.7	1091.9
80°	1281.2	1178.8	1022.6	859.6	710.0	610.9	571.3	571.3	612.0	670.3	728.7
82.5°	1531.1	1422.1	1268.0	1061.1	840.9	684.6	580.1	538.2	545.9	605.4	680.2
85°	1032.5	1056.7	926.8	847.5	671.4	522.8	438.1	355.5	314.8	324.7	367.6
87.5°	37.4	45.1	16.5	22.0	15.4	13.2	13.2	14.3	9.9	12.1	11.0
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°	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5
2.5°	1024.8	1023.7	1023.7	1021.4	1021.4	1020.3	1020.3	1019.2	1018.1	1018.1	1017.0
5°	1049.0	1047.9	1045.7	1044.6	1042.4	1042.4	1041.3	1039.1	1039.1	1036.9	1035.8
7.5°	1083.1	1080.9	1078.7	1077.6	1076.5	1073.2	1073.2	1071.0	1071.0	1068.8	1067.7
10°	1123.8	1121.6	1119.4	1120.5	1117.2	1116.1	1113.9	1113.9	1110.6	1109.5	1109.5
12.5°	1167.8	1166.7	1166.7	1163.4	1162.3	1161.2	1156.8	1156.8	1156.8	1154.6	1155.7
15°	1215.2	1216.3	1213.0	1216.3	1215.2	1211.9	1211.9	1211.9	1207.5	1213.0	1208.6
17.5°	1279.0	1282.3	1280.1	1281.2	1279.0	1279.0	1280.1	1279.0	1281.2	1281.2	1287.8
20°	1358.3	1359.4	1364.9	1362.7	1362.7	1361.6	1363.8	1364.9	1369.3	1367.1	1371.5
22.5°	1445.2	1450.7	1451.8	1456.2	1456.2	1455.1	1457.3	1461.7	1463.9	1467.2	1466.1
25°	1544.3	1547.6	1552.0	1546.5	1555.3	1555.3	1557.5	1563.0	1564.1	1564.1	1571.8
27.5°	1636.7	1645.5	1646.6	1652.2	1648.8	1651.0	1658.8	1662.1	1666.5	1666.5	1668.7
30°	1741.3	1744.6	1746.8	1753.4	1752.3	1753.4	1754.5	1760.0	1760.0	1765.5	1771.0
32.5°	1849.2	1851.4	1853.6	1860.2	1862.4	1866.8	1864.6	1869.0	1874.5	1875.6	1878.9
35°	1978.0	1980.2	1982.4	1992.3	1993.4	2001.1	2003.3	2001.1	2009.9	2004.4	2009.9
37.5°	2052.8	2062.7	2064.9	2071.5	2069.3	2074.8	2078.1	2082.5	2084.7	2089.1	2097.9
40°	2144.2	2147.5	2154.1	2157.4	2161.8	2162.9	2167.3	2170.6	2173.9	2183.8	2193.7
42.5°	2237.7	2242.1	2245.4	2249.8	2255.3	2259.7	2263.0	2272.9	2275.1	2281.8	2300.5
45°	2351.1	2348.9	2350.0	2351.1	2353.3	2358.8	2368.7	2378.6	2385.2	2400.6	2416.0
47.5°	2492.0	2477.7	2472.2	2463.4	2465.6	2477.7	2479.9	2496.4	2509.6	2523.9	2542.6
50°	2705.5	2667.0	2643.9	2620.8	2618.6	2625.2	2634.0	2651.6	2667.0	2685.7	2712.1
52.5°	3064.3	2990.6	2944.4	2880.5	2862.9	2859.6	2853.0	2862.9	2867.3	2892.6	2942.2
55°	3790.8	3654.3	3566.3	3467.2	3374.7	3347.2	3294.4	3305.4	3294.4	3309.8	3383.6
57.5°	5307.6	5198.6	5112.8	4986.2	4827.7	4659.3	4617.4	4444.6	4478.7	4577.8	4514.0
60°	7510.1	7470.5	7408.8	7348.3	7131.4	7009.3	6810.0	6788.0	6648.2	6649.3	6558.0
62.5°	8742.9	8793.5	8756.1	8738.5	8726.3	8687.8	8588.8	8469.9	8291.6	8162.8	7973.5
65°	9095.1	9052.2	9011.4	9005.9	9002.6	9065.4	9079.7	8996.0	8834.2	8633.9	8416.0
67.5°	8684.5	8660.3	8662.5	8616.3	8644.9	8753.9	8829.8	8806.7	8658.1	8416.0	8138.6
70°	7707.1	7659.8	7708.2	7768.7	7811.7	7874.4	7950.4	7969.1	7833.7	7584.9	7302.0
72.5°	5771.0	5778.7	5824.9	5841.4	6014.2	5996.6	6064.9	5842.5	5744.6	5507.9	5362.6
75°	3036.8	2987.3	3116.1	2843.1	2730.8	2809.0	2589.9	2379.7	2423.7	2460.1	2198.1
77.5°	1073.2	1003.8	886.1	838.7	697.8	591.1	483.2	435.9	410.6	397.4	380.8
80°	770.5	792.5	768.3	711.1	604.3	484.3	381.9	301.6	258.7	235.5	220.1
82.5°	779.3	866.3	904.8	888.3	791.4	598.8	395.2	252.1	187.1	156.3	145.3
85°	418.3	457.9	440.3	370.9	333.5	199.2	136.5	91.4	77.0	70.4	64.9
87.5°	16.5	13.2	11.0	11.0	12.1	13.2	11.0	12.1	11.0	11.0	11.0
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: P154565

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

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5	1011.5
2.5°	1014.8	1014.8	1014.8	1013.7	1011.5	1006.0	1000.5	996.1	992.8	989.5	985.1
5°	1034.7	1032.5	1032.5	1032.5	1023.7	1014.8	1007.1	999.4	992.8	987.3	982.9
7.5°	1067.7	1066.6	1062.2	1061.1	1054.5	1040.2	1031.4	1018.1	1010.4	1002.7	1000.5
10°	1107.3	1106.2	1105.1	1104.0	1095.2	1080.9	1069.9	1057.8	1046.8	1035.8	1024.8
12.5°	1153.5	1152.4	1151.3	1148.0	1144.7	1137.0	1124.9	1111.7	1098.5	1075.4	1063.3
15°	1210.8	1213.0	1210.8	1209.7	1207.5	1208.6	1200.9	1182.2	1161.2	1131.5	1106.2
17.5°	1286.7	1284.5	1283.4	1287.8	1286.7	1292.2	1290.0	1265.8	1233.9	1186.6	1142.5
20°	1370.4	1370.4	1374.8	1378.1	1388.0	1402.3	1395.7	1366.0	1307.6	1241.6	1184.4
22.5°	1470.5	1472.7	1477.1	1474.9	1490.3	1513.5	1515.7	1473.8	1397.9	1306.5	1226.2
25°	1575.1	1577.3	1572.9	1579.5	1604.8	1637.8	1644.4	1585.0	1484.8	1366.0	1261.4
27.5°	1674.2	1676.4	1676.4	1685.2	1709.4	1765.5	1772.1	1706.1	1572.9	1417.7	1286.7
30°	1771.0	1779.8	1782.0	1784.2	1820.6	1898.7	1913.0	1817.3	1649.9	1456.2	1304.3
32.5°	1893.2	1896.5	1900.9	1906.4	1948.2	2044.0	2044.0	1913.0	1699.5	1480.4	1307.6
35°	2024.2	2025.3	2035.2	2036.3	2095.7	2191.5	2172.8	1992.3	1734.7	1474.9	1283.4
37.5°	2103.4	2107.8	2117.7	2131.0	2193.7	2329.1	2286.2	2060.5	1741.3	1438.6	1228.4
40°	2201.4	2210.2	2220.1	2233.3	2326.9	2468.9	2381.9	2103.4	1713.8	1367.1	1145.8
42.5°	2307.1	2319.2	2334.6	2358.8	2470.0	2592.1	2454.6	2110.0	1651.0	1286.7	1047.9
45°	2425.9	2448.0	2465.6	2494.2	2619.7	2698.9	2498.6	2071.5	1571.8	1181.1	943.3
47.5°	2563.5	2581.1	2612.0	2642.8	2768.3	2771.6	2503.0	1996.7	1463.9	1075.4	832.1
50°	2733.0	2744.0	2790.3	2809.0	2926.8	2847.5	2471.1	1895.4	1350.6	956.5	708.9
52.5°	2958.7	2974.1	3033.5	3062.1	3145.8	2951.0	2425.9	1785.3	1220.7	823.3	582.3
55°	3404.5	3471.6	3513.4	3563.0	3616.9	3185.4	2406.1	1667.6	1074.3	669.2	461.2
57.5°	4656.0	4633.9	4726.4	4838.7	4837.6	3721.5	2525.0	1566.3	901.5	511.8	354.4
60°	6520.5	6541.5	6494.1	6561.3	6347.7	4386.3	2687.9	1459.5	706.6	380.8	270.8
62.5°	7906.3	7785.3	7718.1	7638.9	7168.9	4458.9	2569.0	1240.5	514.0	267.5	208.0
65°	8234.3	8092.3	7948.2	7797.4	7088.5	4019.8	2107.8	910.3	332.4	183.8	165.1
67.5°	7910.7	7682.9	7499.1	7343.9	6495.2	3331.8	1541.0	559.2	190.4	148.6	140.9
70°	7072.0	6819.9	6522.7	6348.8	5469.4	2455.7	987.3	301.6	146.4	132.1	128.8
72.5°	5176.6	4969.7	4645.0	4445.7	3927.3	1492.5	551.5	169.5	136.5	126.6	122.2
75°	2016.5	1908.6	1773.2	1784.2	1592.7	660.4	249.9	146.4	133.2	124.4	120.0
77.5°	346.7	337.9	312.6	312.6	355.5	241.1	166.2	147.5	132.1	122.2	114.5
80°	208.0	203.6	193.7	191.5	184.9	169.5	159.6	149.7	129.9	115.6	105.7
82.5°	136.5	131.0	127.7	126.6	137.6	148.6	149.7	148.6	123.3	100.2	85.9
85°	58.3	58.3	58.3	59.4	79.3	120.0	123.3	132.1	101.3	78.1	61.6
87.5°	9.9	12.1	12.1	13.2	14.3	26.4	33.0	42.9	34.1	33.0	29.7
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: P154565

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

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	1011.5	1011.5	1011.5
2.5°	984.0	981.8	981.8
5°	980.7	978.5	979.6
7.5°	993.9	989.5	990.6
10°	1018.1	1013.7	1011.5
12.5°	1049.0	1043.5	1043.5
15°	1080.9	1067.7	1066.6
17.5°	1107.3	1090.8	1088.6
20°	1137.0	1115.0	1111.7
22.5°	1164.5	1134.8	1130.4
25°	1184.4	1148.0	1142.5
27.5°	1193.2	1150.2	1145.8
30°	1199.8	1151.3	1144.7
32.5°	1193.2	1141.4	1135.9
35°	1156.8	1100.7	1097.4
37.5°	1094.1	1031.4	1027.0
40°	1011.5	945.5	934.5
42.5°	905.9	844.2	832.1
45°	803.5	733.1	727.6
47.5°	693.4	626.3	629.6
50°	577.9	517.3	516.2
52.5°	467.8	415.0	411.7
55°	368.7	331.3	328.0
57.5°	291.7	271.9	268.6
60°	237.8	227.8	224.5
62.5°	191.5	188.2	187.1
65°	159.6	159.6	159.6
67.5°	138.7	139.8	139.8
70°	127.7	128.8	127.7
72.5°	123.3	126.6	126.6
75°	120.0	122.2	117.8
77.5°	117.8	118.9	111.2
80°	116.7	115.6	101.3
82.5°	101.3	98.0	85.9
85°	92.5	70.4	59.4
87.5°	47.3	33.0	25.3
90°	0.0	0.0	0.0

(END OF REPORT)