

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: P151246

Luminaire Tested: **TLM-F04-LED-E1-SL3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P151246
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
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-SL3-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

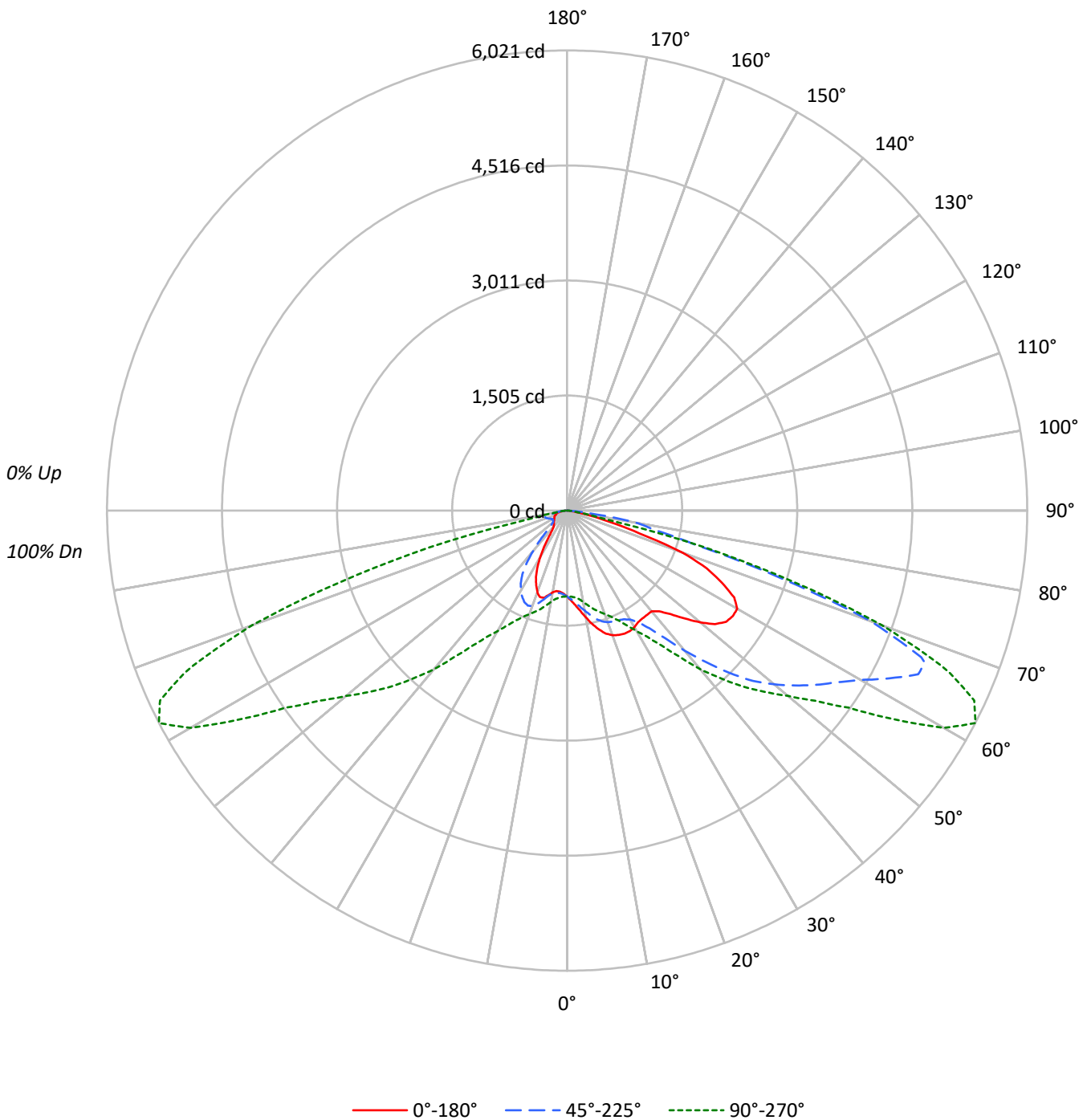
Lumens per Lamp: N/A
Luminaire Lumens: 10287.4 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 3.92 / 2.51
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

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	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					100			
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77					77			
2	93	82	74	66	90	80	72	65	77	70	64	73	67	62	70	65	61	58					58			
3	82	69	59	50	79	67	58	50	64	56	49	61	54	48	58	52	47	44					44			
4	73	59	48	39	71	57	47	39	54	46	38	52	44	38	49	43	37	35					35			
5	66	51	40	32	64	49	39	31	47	38	31	45	37	31	43	36	30	28					28			
6	60	44	34	26	58	43	33	26	41	32	26	39	31	25	38	31	25	23					23			
7	55	39	29	22	53	38	29	22	37	28	22	35	27	21	34	27	21	19					19			
8	51	35	25	19	49	35	25	19	33	25	18	32	24	18	30	23	18	16					16			
9	47	32	23	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14					14			
10	44	29	20	14	43	29	20	14	28	20	14	27	19	14	26	19	14	12					12			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18054	18054	18054
5°	20054	18396	17195
10°	23178	19752	17724
15°	26806	22148	19668
20°	29659	24658	19464
25°	31473	28109	17058
30°	32664	33753	13012
35°	33759	42286	7929
40°	36051	56801	5780
45°	43545	74031	5569
50°	56880	94283	5619
55°	71052	126000	5820
60°	82561	182685	6205
65°	84924	223475	6911
70°	75598	205683	7638
75°	36312	116237	8901
80°	12536	16089	9094
85°	5622	9991	9161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.1
10°-20°	383.6	3.7
20°-30°	677.4	6.6
30°-40°	972.4	9.5
40°-50°	1476.8	14.4
50°-60°	2174.3	21.1
60°-70°	2889.6	28.1
70°-80°	1413.7	13.7
80°-90°	187.7	1.8
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°	1173.0	11.4
0°-40°	2145.3	20.9
0°-60°	5796.5	56.3
0°-90°	10287.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10287.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1124	1124	1124	1124	1124	
5°	1244	1208	1141	1084	1066	124
15°	1612	1467	1332	1206	1182	458
25°	1776	1582	1586	1323	962	818
35°	1721	1880	2156	1020	404	1085
45°	1917	3005	3258	367	245	1514
55°	2537	3976	4498	222	208	2239
65°	2234	5070	5879	248	182	2169
75°	585	1744	1873	288	143	729
85°	30	96	54	69	50	45
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°	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8
2.5°	1176.9	1178.0	1175.7	1174.6	1167.8	1161.1	1156.5	1150.9	1150.9	1150.9	1148.6
5°	1243.5	1239.0	1242.4	1234.5	1220.9	1208.5	1196.1	1185.9	1183.6	1183.6	1179.1
7.5°	1323.7	1318.0	1315.8	1304.5	1284.2	1266.1	1241.2	1231.1	1225.4	1223.2	1220.9
10°	1420.8	1420.8	1406.1	1386.9	1359.8	1328.2	1301.1	1283.0	1281.9	1281.9	1271.7
12.5°	1520.2	1522.5	1503.3	1484.1	1440.0	1398.2	1366.6	1346.3	1345.2	1340.6	1335.0
15°	1611.7	1606.1	1593.6	1565.4	1516.8	1467.1	1427.6	1407.3	1402.8	1398.2	1394.9
17.5°	1687.4	1681.7	1665.9	1629.8	1578.9	1520.2	1471.7	1450.2	1447.9	1445.7	1441.2
20°	1734.8	1730.3	1707.7	1665.9	1612.8	1553.0	1501.0	1486.3	1481.8	1481.8	1479.6
22.5°	1761.9	1755.1	1722.4	1667.0	1615.1	1571.0	1528.1	1519.1	1515.7	1516.8	1516.8
25°	1775.5	1769.8	1723.5	1644.5	1594.8	1582.3	1564.3	1558.6	1559.7	1560.9	1563.1
27.5°	1777.7	1769.8	1715.6	1615.1	1568.8	1603.8	1616.2	1625.3	1625.3	1629.8	1637.7
30°	1760.8	1751.8	1699.8	1592.5	1557.5	1646.7	1696.4	1720.1	1729.2	1726.9	1745.0
32.5°	1731.4	1725.8	1684.0	1592.5	1589.1	1731.4	1819.5	1853.4	1857.9	1860.2	1880.5
35°	1721.3	1720.1	1702.1	1646.7	1687.4	1880.5	2014.9	2040.9	2046.5	2046.5	2061.2
37.5°	1719.0	1724.6	1745.0	1748.4	1860.2	2101.9	2278.1	2317.6	2317.6	2328.9	2328.9
40°	1719.0	1731.4	1808.2	1899.7	2071.4	2389.9	2633.8	2679.0	2679.0	2691.4	2684.7
42.5°	1785.6	1803.7	1930.2	2104.1	2337.9	2686.9	2967.0	3017.8	3021.2	3017.8	3028.0
45°	1916.6	1932.5	2086.1	2335.7	2612.4	3005.4	3285.5	3346.5	3334.1	3342.0	3345.4
47.5°	2090.6	2115.4	2290.5	2588.7	2880.1	3300.2	3642.4	3697.8	3693.2	3696.6	3682.0
50°	2275.8	2301.8	2497.2	2839.4	3146.6	3537.4	3929.3	4011.8	4003.8	4009.5	4017.4
52.5°	2439.6	2455.4	2644.0	3028.0	3348.8	3758.8	4149.5	4252.3	4270.4	4272.6	4278.3
55°	2536.7	2555.9	2728.7	3121.8	3495.6	3975.6	4401.4	4557.3	4592.3	4601.3	4626.2
57.5°	2570.6	2590.9	2747.9	3135.3	3575.8	4178.9	4752.7	5027.1	5056.5	5105.0	5184.1
60°	2569.5	2590.9	2727.6	3104.8	3657.1	4430.8	5299.3	5759.0	5908.1	5957.8	6070.7
62.5°	2464.4	2489.3	2628.2	3012.2	3761.0	4752.7	6112.5	6819.5	7011.5	7101.9	7223.9
65°	2234.0	2252.1	2382.0	2777.3	3731.7	5070.0	6792.4	7674.5	7849.6	7981.7	8199.7
67°	2029.6	2040.9	2142.5	2499.4	3444.8	5081.3	7007.0	7886.8	8039.3	8179.4	8404.1
67.5°	1977.6	2001.4	2080.4	2414.7	3337.5	5016.9	6992.3	7854.1	8009.9	8155.6	8392.8
70°	1609.4	1643.3	1682.9	1907.6	2623.7	4220.7	6473.9	7287.1	7423.8	7559.3	7890.2
72.5°	992.8	1053.8	1061.7	1204.0	1707.7	2917.3	5238.3	6145.3	6248.0	6345.2	6684.0
75°	585.0	594.1	622.3	737.5	1001.8	1743.8	3514.8	4565.2	4660.0	4707.5	4972.9
77.5°	326.4	335.4	359.2	458.6	770.3	1174.6	2046.5	2682.4	2740.0	2799.9	2756.9
80°	135.5	148.0	159.3	185.2	360.3	927.3	1407.3	1705.4	1742.7	1777.7	1821.8
82.5°	65.5	70.0	85.8	98.3	131.0	380.6	1103.5	1478.4	1522.5	1573.3	1676.1
85°	30.5	33.9	47.4	56.5	63.2	96.0	369.3	719.4	780.4	791.7	812.1
87.5°	2.3	2.3	5.6	7.9	11.3	12.4	38.4	54.2	61.0	55.3	70.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8
2.5°	1147.5	1146.4	1144.1	1144.1	1143.0	1143.0	1143.0	1140.7	1140.7	1140.7	1139.6
5°	1178.0	1176.9	1173.5	1173.5	1171.2	1171.2	1167.8	1166.7	1164.4	1164.4	1163.3
7.5°	1217.5	1216.4	1211.9	1211.9	1208.5	1207.4	1205.1	1201.7	1201.7	1199.5	1197.2
10°	1271.7	1268.4	1267.2	1261.6	1262.7	1260.4	1258.2	1254.8	1252.5	1250.3	1248.0
12.5°	1332.7	1332.7	1327.1	1323.7	1326.0	1323.7	1319.2	1318.0	1314.7	1314.7	1311.3
15°	1390.3	1390.3	1388.1	1383.6	1384.7	1381.3	1380.2	1377.9	1373.4	1374.5	1373.4
17.5°	1440.0	1440.0	1436.6	1434.4	1434.4	1431.0	1432.1	1429.9	1427.6	1426.5	1423.1
20°	1479.6	1479.6	1477.3	1475.0	1476.2	1476.2	1472.8	1472.8	1472.8	1470.5	1470.5
22.5°	1518.0	1519.1	1519.1	1519.1	1520.2	1521.3	1520.2	1522.5	1521.3	1523.6	1523.6
25°	1568.8	1572.2	1574.4	1574.4	1580.1	1581.2	1582.3	1585.7	1585.7	1589.1	1590.2
27.5°	1644.5	1646.7	1655.8	1658.0	1659.1	1668.2	1669.3	1673.8	1678.3	1679.5	1680.6
30°	1748.4	1754.0	1760.8	1765.3	1765.3	1776.6	1781.1	1778.9	1791.3	1794.7	1799.2
32.5°	1887.3	1891.8	1898.6	1903.1	1907.6	1913.3	1914.4	1920.0	1930.2	1939.2	1933.6
35°	2062.3	2073.6	2062.3	2074.8	2078.2	2086.1	2083.8	2090.6	2095.1	2098.5	2097.4
37.5°	2316.5	2310.8	2308.6	2304.0	2296.1	2323.2	2309.7	2308.6	2301.8	2321.0	2308.6
40°	2650.8	2654.2	2657.6	2639.5	2629.3	2629.3	2625.9	2613.5	2607.9	2624.8	2622.5
42.5°	2999.8	3003.2	2987.4	2976.1	2950.1	2946.7	2930.9	2927.5	2921.8	2930.9	2921.8
45°	3317.1	3319.4	3284.4	3290.0	3269.7	3273.1	3248.3	3258.4	3244.9	3253.9	3270.8
47.5°	3671.8	3676.3	3645.8	3658.2	3637.9	3625.5	3624.4	3631.1	3616.4	3625.5	3630.0
50°	3993.7	3988.0	3972.2	3975.6	3966.6	3968.8	3955.3	3967.7	3950.8	3968.8	3966.6
52.5°	4279.4	4272.6	4269.3	4280.6	4272.6	4272.6	4264.7	4270.4	4272.6	4299.8	4305.4
55°	4626.2	4631.8	4637.5	4657.8	4666.8	4652.1	4666.8	4695.1	4696.2	4760.6	4795.6
57.5°	5183.0	5222.5	5242.8	5255.3	5308.3	5302.7	5336.6	5404.3	5411.1	5560.2	5647.2
60°	6154.3	6224.3	6290.9	6254.8	6362.1	6394.9	6415.2	6541.7	6581.2	6722.4	6798.1
62.5°	7380.9	7388.8	7492.7	7459.9	7520.9	7506.2	7531.1	7588.7	7640.6	7757.0	7828.1
65°	8237.0	8274.2	8314.9	8273.1	8272.0	8222.3	8190.7	8189.5	8221.2	8246.0	8325.1
67°	8469.6	8506.9	8517.1	8486.6	8442.5	8379.3	8320.5	8290.0	8269.7	8281.0	8330.7
67.5°	8467.4	8502.4	8514.8	8485.4	8424.4	8371.4	8309.2	8274.2	8247.1	8252.8	8294.6
70°	7986.2	8061.9	8102.6	8111.6	8103.7	8011.1	7958.0	7926.4	7903.8	7848.4	7845.0
72.5°	6766.4	6857.9	6889.5	6940.4	6963.0	6826.3	6768.7	6803.7	6724.7	6549.6	6557.5
75°	4968.4	4975.2	4869.0	4848.7	4773.0	4463.5	4370.9	4286.2	4150.7	3939.5	3740.7
77.5°	2589.8	2588.7	2466.7	2404.6	2314.2	2127.9	2118.8	1967.5	1861.3	1668.2	1598.1
80°	1839.8	1869.2	1909.9	1930.2	1898.6	1826.3	1726.9	1619.6	1496.5	1375.7	1231.1
82.5°	1711.1	1729.2	1750.6	1671.6	1627.5	1525.9	1450.2	1294.3	1207.4	1069.6	923.9
85°	832.4	887.7	844.8	795.1	778.2	608.8	588.4	491.3	446.1	367.1	342.2
87.5°	53.1	65.5	58.7	53.1	46.3	26.0	35.0	24.8	26.0	19.2	16.9
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°	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8
2.5°	1139.6	1138.5	1137.3	1136.2	1135.1	1135.1	1134.0	1132.8	1131.7	1129.4	1129.4
5°	1161.1	1161.1	1159.9	1157.7	1157.7	1155.4	1152.0	1150.9	1150.9	1148.6	1146.4
7.5°	1196.1	1194.9	1192.7	1191.6	1189.3	1187.0	1184.8	1182.5	1181.4	1178.0	1176.9
10°	1249.2	1246.9	1241.2	1239.0	1237.9	1235.6	1233.3	1231.1	1227.7	1225.4	1224.3
12.5°	1309.0	1307.9	1303.4	1305.6	1300.0	1297.7	1295.5	1289.8	1292.1	1287.6	1285.3
15°	1368.9	1370.0	1367.7	1367.7	1363.2	1359.8	1357.6	1353.1	1351.9	1349.7	1347.4
17.5°	1422.0	1424.2	1420.8	1418.6	1416.3	1414.1	1409.5	1405.0	1405.0	1400.5	1398.2
20°	1470.5	1472.8	1471.7	1469.4	1466.0	1464.9	1462.6	1459.2	1459.2	1457.0	1453.6
22.5°	1525.9	1527.0	1527.0	1525.9	1522.5	1523.6	1521.3	1518.0	1519.1	1514.6	1514.6
25°	1592.5	1594.8	1597.0	1598.1	1595.9	1597.0	1594.8	1592.5	1591.4	1592.5	1591.4
27.5°	1684.0	1686.2	1693.0	1687.4	1693.0	1694.2	1690.8	1686.2	1689.6	1695.3	1691.9
30°	1804.8	1802.6	1811.6	1812.7	1811.6	1812.7	1810.5	1807.1	1809.4	1819.5	1813.9
32.5°	1940.4	1944.9	1947.1	1949.4	1952.8	1957.3	1953.9	1950.5	1956.2	1952.8	1960.7
35°	2104.1	2114.3	2117.7	2114.3	2116.6	2124.5	2123.3	2124.5	2135.8	2124.5	2139.1
37.5°	2310.8	2321.0	2328.9	2324.4	2330.0	2330.0	2339.1	2363.9	2348.1	2368.4	2384.2
40°	2611.3	2627.1	2628.2	2627.1	2632.7	2639.5	2648.5	2675.6	2657.6	2679.0	2693.7
42.5°	2920.7	2939.9	2946.7	2935.4	2947.8	2962.5	2963.6	2987.4	2988.5	2991.9	2999.8
45°	3269.7	3286.7	3300.2	3294.6	3295.7	3314.9	3310.4	3333.0	3316.0	3316.0	3320.5
47.5°	3641.3	3657.1	3666.1	3675.2	3663.9	3680.8	3688.7	3684.2	3663.9	3659.4	3632.3
50°	3980.1	3993.7	4007.2	4032.1	4031.0	4038.9	4044.5	4024.2	4019.7	3994.8	3964.3
52.5°	4339.3	4374.3	4404.8	4456.7	4464.7	4491.8	4481.6	4447.7	4442.1	4401.4	4360.7
55°	4839.6	4940.1	4984.2	5064.4	5118.6	5117.5	5094.9	5089.2	5046.3	4965.0	4916.4
57.5°	5710.4	5867.4	5943.1	6047.0	6063.9	6053.8	6024.4	5972.4	5897.9	5761.2	5673.1
60°	6967.5	7064.6	7152.7	7177.6	7190.0	7170.8	7068.0	6952.8	6807.1	6618.5	6461.5
62.5°	7917.3	8016.7	8082.2	8072.1	7994.1	7895.9	7745.7	7552.5	7348.1	7136.9	6902.0
65°	8400.7	8442.5	8432.4	8353.3	8220.0	8048.3	7829.2	7590.9	7350.4	7100.8	6856.8
67°	8374.8	8375.9	8307.0	8153.4	7982.8	7767.1	7499.4	7239.7	6957.3	6695.3	6405.0
67.5°	8328.4	8323.9	8227.9	8059.6	7875.5	7653.0	7375.2	7106.4	6813.9	6549.6	6249.2
70°	7804.4	7741.1	7524.3	7255.5	6999.1	6698.7	6407.3	6098.9	5769.1	5542.1	5196.5
72.5°	6412.9	6199.5	5825.6	5544.4	5269.9	4876.9	4695.1	4312.2	4080.6	3936.1	3675.2
75°	3713.6	3535.1	3246.0	2982.8	2849.6	2616.9	2506.2	2225.0	2166.3	2164.0	2073.6
77.5°	1417.4	1236.7	1050.4	845.9	719.4	571.5	503.7	450.6	410.0	438.2	397.6
80°	1062.8	874.2	683.3	497.0	354.6	262.0	224.8	207.8	197.7	189.7	184.1
82.5°	791.7	624.6	484.5	316.2	221.4	167.2	144.6	135.5	131.0	123.1	116.3
85°	267.7	214.6	169.4	117.5	92.6	75.7	70.0	67.8	64.4	58.7	55.3
87.5°	14.7	13.6	14.7	11.3	13.6	11.3	12.4	12.4	12.4	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: P151246

CATALOG NUMBER: TLM-F04-LED-E1-SL3-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8	1123.8
2.5°	1128.3	1128.3	1128.3	1126.0	1122.7	1115.9	1109.1	1103.5	1097.8	1094.4	1092.2
5°	1145.2	1143.0	1141.9	1140.7	1132.8	1119.3	1106.8	1095.6	1084.3	1075.2	1071.8
7.5°	1175.7	1171.2	1170.1	1166.7	1156.5	1136.2	1118.1	1100.1	1084.3	1071.8	1066.2
10°	1222.0	1222.0	1215.3	1210.8	1199.5	1172.4	1146.4	1122.7	1101.2	1087.6	1084.3
12.5°	1280.8	1280.8	1275.1	1271.7	1258.2	1223.2	1191.6	1163.3	1143.0	1129.4	1128.3
15°	1341.8	1340.6	1336.1	1331.6	1316.9	1279.6	1248.0	1223.2	1206.2	1190.4	1185.9
17.5°	1396.0	1396.0	1390.3	1385.8	1371.1	1339.5	1311.3	1293.2	1274.0	1241.2	1216.4
20°	1450.2	1451.3	1446.8	1442.3	1429.9	1402.8	1390.3	1372.3	1329.3	1258.2	1199.5
22.5°	1510.1	1514.6	1508.9	1504.4	1494.2	1482.9	1478.4	1435.5	1345.2	1231.1	1145.2
25°	1586.9	1594.8	1588.0	1585.7	1580.1	1583.5	1569.9	1470.5	1322.6	1172.4	1065.1
27.5°	1691.9	1691.9	1693.0	1693.0	1690.8	1703.2	1653.5	1471.7	1272.9	1096.7	969.1
30°	1815.0	1821.8	1819.5	1819.5	1828.6	1836.5	1699.8	1446.8	1209.6	1002.9	851.6
32.5°	1963.0	1968.6	1970.9	1960.7	1996.8	1956.2	1716.7	1401.6	1131.7	886.6	711.5
35°	2141.4	2149.3	2155.0	2156.1	2179.8	2060.1	1707.7	1335.0	1019.9	740.9	557.9
37.5°	2374.1	2389.9	2402.3	2408.0	2409.1	2148.2	1682.9	1246.9	874.2	578.3	415.6
40°	2683.5	2700.5	2697.1	2708.4	2644.0	2200.1	1626.4	1119.3	693.5	424.7	320.8
42.5°	2981.7	2984.0	2988.5	2978.3	2847.3	2227.2	1547.3	963.4	519.5	317.4	274.5
45°	3314.9	3295.7	3274.2	3258.4	3034.8	2237.4	1438.9	773.7	367.1	266.5	254.1
47.5°	3627.7	3601.8	3557.7	3512.5	3201.9	2221.6	1300.0	579.4	279.0	244.0	240.6
50°	3934.9	3886.4	3824.3	3772.3	3362.3	2197.9	1146.4	417.9	244.0	232.7	229.3
52.5°	4315.6	4234.2	4152.9	4085.2	3571.3	2160.6	984.9	317.4	229.3	223.6	219.1
55°	4837.4	4724.4	4593.4	4498.5	3854.8	2104.1	815.5	268.8	222.5	218.0	211.2
57.5°	5560.2	5390.8	5242.8	5088.1	4242.2	2046.5	669.8	249.6	221.4	214.6	205.6
60°	6298.9	6095.6	5906.9	5685.6	4637.5	1988.9	568.1	247.3	224.8	214.6	201.0
62.5°	6682.9	6472.8	6245.8	6021.0	4808.0	1853.4	498.1	250.7	232.7	218.0	201.0
65°	6594.8	6338.4	6108.0	5878.7	4610.4	1597.0	421.3	255.3	248.5	231.5	204.4
67°	6152.0	5884.4	5663.0	5443.9	4169.9	1337.3	361.4	259.8	265.4	247.3	211.2
67.5°	5996.2	5728.5	5510.5	5297.0	4040.0	1283.0	346.7	262.0	268.8	251.9	213.5
70°	4971.8	4775.2	4543.7	4378.8	3270.8	949.9	284.6	266.5	289.1	277.8	223.6
72.5°	3578.0	3390.6	3216.6	3125.1	2409.1	664.1	239.4	262.0	301.6	292.5	228.1
75°	1902.0	1890.7	1827.4	1872.6	1490.9	433.7	211.2	245.1	288.0	267.7	212.3
77.5°	384.0	395.3	464.2	457.4	481.1	241.7	180.7	210.1	222.5	196.5	172.8
80°	178.5	175.1	171.7	173.9	170.5	154.7	146.8	164.9	154.7	126.5	115.2
82.5°	110.7	108.4	105.0	103.9	115.2	123.1	128.8	129.9	102.8	88.1	84.7
85°	53.1	53.1	52.0	54.2	67.8	100.5	108.4	96.0	68.9	63.2	59.9
87.5°	10.2	10.2	11.3	10.2	13.6	23.7	27.1	31.6	26.0	27.1	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: P151246

CATALOG NUMBER: TLM-F04-LED-E1-SL3-7050

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1123.8	1123.8	1123.8
2.5°	1089.9	1087.6	1087.6
5°	1067.3	1066.2	1066.2
7.5°	1061.7	1062.8	1061.7
10°	1083.1	1082.0	1086.5
12.5°	1130.6	1134.0	1132.8
15°	1180.3	1182.5	1182.5
17.5°	1194.9	1187.0	1185.9
20°	1156.5	1141.9	1138.5
22.5°	1084.3	1057.2	1058.3
25°	992.8	960.0	962.3
27.5°	886.6	851.6	850.5
30°	759.0	720.6	701.4
32.5°	605.4	559.1	559.1
35°	455.2	417.9	404.3
37.5°	345.6	324.1	317.4
40°	288.0	277.8	275.6
42.5°	262.0	258.6	257.5
45°	248.5	246.2	245.1
47.5°	236.1	234.9	233.8
50°	227.0	225.9	224.8
52.5°	219.1	216.9	215.7
55°	207.8	207.8	207.8
57.5°	201.0	201.0	199.9
60°	194.3	193.1	193.1
62.5°	188.6	186.4	187.5
65°	185.2	181.8	181.8
67°	183.0	176.2	176.2
67.5°	183.0	173.9	173.9
70°	179.6	164.9	162.6
72.5°	176.2	154.7	151.3
75°	167.2	146.8	143.4
77.5°	143.4	131.0	128.8
80°	110.7	96.0	98.3
82.5°	80.2	68.9	67.8
85°	57.6	49.7	49.7
87.5°	30.5	26.0	27.1
90°	0.0	0.0	0.0

(END OF REPORT)