

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: P150106

Luminaire Tested: **TLM-F04-LED-E1-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P150106
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
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-SL2-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10351.6 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.99 / 4.45 / 2.31
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

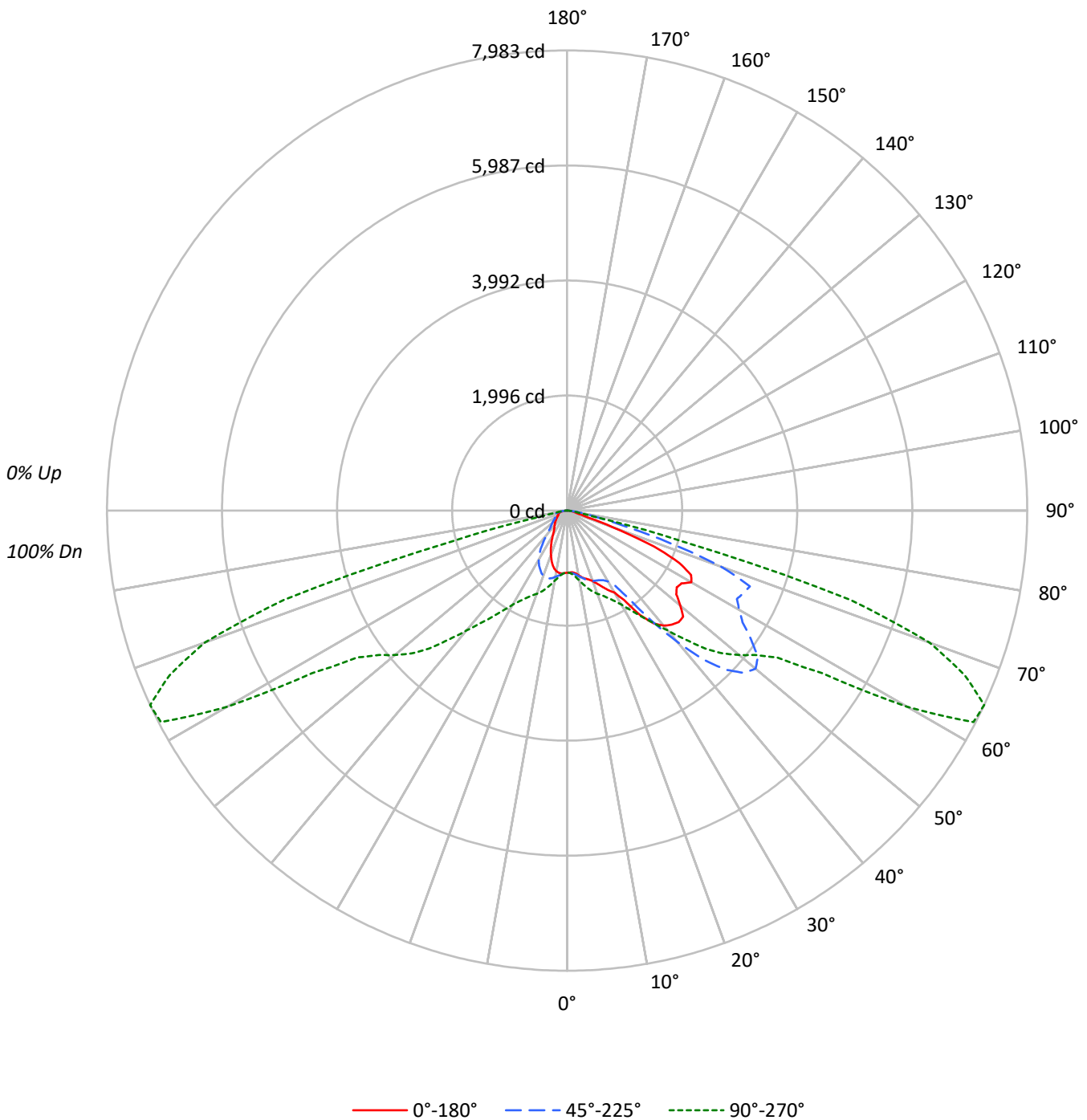
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90	103	98	93	88	93	89	85	89	86	83	85	83	80	78					78			
2	93	83	74	67	90	81	73	66	77	70	64	74	68	63	70	66	61	59					59			
3	82	69	59	51	80	68	58	51	64	56	50	61	54	49	59	53	48	45					45			
4	74	59	48	40	71	57	47	40	55	46	39	52	45	38	50	43	38	35					35			
5	66	51	40	32	64	50	39	32	47	38	31	45	37	31	43	36	30	28					28			
6	60	44	34	26	58	43	33	26	41	32	26	40	32	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	34	25	19	33	24	18	32	24	18	30	23	18	16					16			
9	47	32	22	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14					14			
10	44	29	20	14	42	28	20	14	27	19	14	26	19	14	25	19	14	12					12			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	17311	17311	17311
5°	17322	17959	17669
10°	18535	20139	17449
15°	20306	23255	16230
20°	22263	26242	14019
25°	25967	29610	11591
30°	30464	34885	9157
35°	43438	43993	7643
40°	54645	56918	7105
45°	62176	76958	6748
50°	64051	97445	6381
55°	64979	124261	6201
60°	79945	218610	6169
65°	81662	303461	6481
70°	39152	314124	7375
75°	10794	129347	8976
80°	9094	18078	8882
85°	6046	11244	9585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.0
10°-20°	350.2	3.4
20°-30°	604.9	5.8
30°-40°	1001.3	9.7
40°-50°	1698.2	16.4
50°-60°	2256.4	21.8
60°-70°	2914.7	28.2
70°-80°	1222.4	11.8
80°-90°	196.4	1.9
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°	1062.2	10.3
0°-40°	2063.6	19.9
0°-60°	6018.1	58.1
0°-90°	10351.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10351.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1078	1078	1078	1078	1078	
5°	1074	1092	1114	1107	1096	105
15°	1221	1236	1398	1219	976	348
25°	1465	1330	1670	1117	654	684
35°	2215	1848	2243	791	390	1371
45°	2737	3906	3387	406	297	2078
55°	2320	3892	4436	276	221	2149
65°	2148	3375	7983	219	170	1942
75°	174	970	2084	228	145	280
85°	33	81	61	70	52	44
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°	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5
2.5°	1074.1	1077.5	1075.2	1077.5	1079.7	1080.9	1083.1	1082.0	1082.0	1083.1	1080.9
5°	1074.1	1074.1	1077.5	1083.1	1085.4	1092.2	1100.1	1098.9	1100.1	1098.9	1101.2
7.5°	1096.7	1095.6	1098.9	1105.7	1108.0	1118.1	1131.7	1134.0	1136.2	1136.2	1139.6
10°	1136.2	1135.1	1138.5	1141.9	1145.2	1153.2	1172.4	1180.3	1181.4	1182.5	1187.0
12.5°	1185.9	1184.8	1180.3	1180.3	1179.1	1193.8	1219.8	1234.5	1236.7	1241.2	1244.6
15°	1220.9	1217.5	1210.8	1206.2	1211.9	1235.6	1274.0	1290.9	1293.2	1296.6	1305.6
17.5°	1254.8	1251.4	1236.7	1225.4	1233.3	1271.7	1323.7	1341.8	1346.3	1349.7	1359.8
20°	1302.2	1300.0	1278.5	1251.4	1249.2	1298.8	1362.1	1385.8	1389.2	1393.7	1403.9
22.5°	1374.5	1364.4	1339.5	1288.7	1263.8	1314.7	1389.2	1422.0	1426.5	1431.0	1444.5
25°	1464.9	1460.4	1417.4	1339.5	1287.6	1330.5	1418.6	1459.2	1466.0	1471.7	1489.7
27.5°	1558.6	1551.8	1505.5	1403.9	1329.3	1362.1	1464.9	1511.2	1520.2	1529.3	1546.2
30°	1642.2	1639.9	1601.5	1490.9	1397.1	1422.0	1539.4	1595.9	1606.1	1617.3	1633.2
32.5°	1838.7	1839.8	1800.3	1687.4	1560.9	1530.4	1646.7	1731.4	1735.9	1749.5	1777.7
35°	2214.8	2219.3	2204.7	2115.4	1973.1	1847.8	1859.0	1942.6	1947.1	1958.4	1985.5
37.5°	2466.7	2475.7	2520.9	2549.1	2476.8	2419.2	2275.8	2243.1	2246.4	2239.7	2234.0
40°	2605.6	2619.2	2737.7	2884.6	2963.6	2964.8	2902.6	2758.1	2702.7	2686.9	2619.2
42.5°	2684.7	2707.3	2875.5	3126.3	3353.3	3509.2	3547.6	3387.2	3346.5	3274.2	3144.3
45°	2736.6	2763.7	2962.5	3305.9	3640.2	3905.6	4105.5	4034.3	4007.2	3963.2	3843.5
47.5°	2727.6	2749.0	2955.7	3366.8	3790.4	4167.6	4522.3	4595.7	4562.9	4551.6	4470.3
50°	2562.7	2581.9	2792.0	3215.5	3707.9	4267.0	4786.5	4994.4	4994.4	5015.8	4991.0
52.5°	2386.5	2402.3	2593.2	2973.8	3441.4	4169.9	4933.4	5277.8	5323.0	5360.3	5419.0
55°	2319.9	2339.1	2483.6	2808.9	3214.4	3892.0	4983.1	5490.2	5573.8	5637.0	5770.3
57.5°	2351.5	2370.7	2473.5	2719.7	3081.1	3608.5	4985.3	5775.9	5937.4	6067.3	6337.3
60°	2488.1	2506.2	2592.1	2802.1	3046.1	3444.8	4889.3	6231.1	6488.6	6732.6	7182.1
62.5°	2424.9	2447.5	2572.9	2938.8	3307.0	3320.5	4542.6	6583.5	6998.0	7358.3	8073.2
65°	2148.2	2171.9	2270.2	2612.4	3322.8	3374.7	4028.7	6590.2	7105.3	7592.1	8363.5
67.5°	1630.9	1639.9	1717.9	1992.3	2657.6	3434.6	3500.1	5809.8	6300.0	6843.2	7639.5
70°	833.5	849.3	871.9	1100.1	1711.1	2838.3	3007.7	4281.7	4906.3	5467.6	6424.2
72.5°	289.1	294.8	317.4	420.1	833.5	1862.4	2632.7	2934.3	3311.5	3836.7	4944.7
75°	173.9	173.9	181.8	212.3	380.6	970.2	2342.4	2396.7	2447.5	2623.7	3348.8
77.5°	137.8	140.0	140.0	145.7	211.2	498.1	1778.9	2228.4	2235.2	2252.1	2374.1
80°	98.3	102.8	111.8	116.3	136.7	273.3	998.4	1956.2	2089.5	2153.8	2243.1
82.5°	73.4	77.9	94.9	100.5	106.2	152.5	448.4	1349.7	1592.5	1721.3	2035.2
85°	32.8	38.4	64.4	71.2	74.5	81.3	210.1	384.0	441.6	495.8	653.9
87.5°	5.6	5.6	10.2	14.7	21.5	20.3	46.3	65.5	66.6	77.9	87.0
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°	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5
2.5°	1080.9	1080.9	1080.9	1079.7	1080.9	1080.9	1080.9	1080.9	1082.0	1082.0	1082.0
5°	1104.6	1102.3	1103.5	1103.5	1103.5	1102.3	1104.6	1103.5	1104.6	1108.0	1106.8
7.5°	1139.6	1141.9	1143.0	1144.1	1144.1	1144.1	1145.2	1147.5	1147.5	1150.9	1149.8
10°	1191.6	1190.4	1191.6	1194.9	1198.3	1199.5	1202.8	1201.7	1204.0	1208.5	1213.0
12.5°	1246.9	1249.2	1252.5	1255.9	1261.6	1262.7	1266.1	1267.2	1274.0	1274.0	1278.5
15°	1309.0	1310.1	1316.9	1318.0	1324.8	1327.1	1332.7	1335.0	1342.9	1344.0	1348.5
17.5°	1365.5	1367.7	1371.1	1374.5	1382.4	1385.8	1390.3	1394.9	1401.6	1403.9	1411.8
20°	1410.7	1415.2	1416.3	1423.1	1429.9	1434.4	1438.9	1443.4	1450.2	1453.6	1461.5
22.5°	1451.3	1455.8	1459.2	1464.9	1469.4	1476.2	1478.4	1486.3	1493.1	1498.8	1505.5
25°	1495.4	1502.1	1505.5	1515.7	1519.1	1525.9	1531.5	1539.4	1548.5	1555.2	1564.3
27.5°	1557.5	1567.7	1572.2	1583.5	1591.4	1594.8	1603.8	1615.1	1623.0	1630.9	1639.9
30°	1643.3	1662.5	1665.9	1673.8	1688.5	1690.8	1702.1	1711.1	1723.5	1731.4	1739.3
32.5°	1776.6	1800.3	1802.6	1811.6	1824.0	1828.6	1837.6	1847.8	1867.0	1870.3	1882.8
35°	1981.0	1991.2	2000.2	2003.6	2013.8	2019.4	2026.2	2037.5	2056.7	2054.4	2068.0
37.5°	2226.1	2229.5	2230.6	2219.3	2221.6	2211.4	2223.9	2226.1	2232.9	2238.5	2252.1
40°	2576.2	2541.2	2536.7	2509.6	2482.5	2467.8	2462.2	2439.6	2445.2	2447.5	2458.8
42.5°	3087.9	3020.1	2963.6	2925.2	2858.6	2825.8	2781.8	2746.8	2719.7	2729.8	2734.4
45°	3736.2	3639.0	3548.7	3431.2	3344.3	3282.1	3204.2	3134.2	3102.6	3087.9	3105.9
47.5°	4383.3	4297.5	4191.3	4070.5	3932.7	3829.9	3700.0	3586.0	3506.9	3477.5	3493.3
50°	4942.4	4863.3	4783.2	4712.0	4551.6	4439.8	4262.5	4114.5	3990.3	3927.0	3910.1
52.5°	5406.6	5364.8	5321.9	5262.0	5133.3	5021.5	4880.3	4734.6	4569.7	4440.9	4396.9
55°	5821.1	5846.0	5824.5	5825.6	5774.8	5703.6	5583.9	5475.5	5360.3	5214.6	5153.6
57.5°	6425.4	6572.2	6601.5	6675.0	6711.1	6749.5	6783.4	6719.0	6689.6	6581.2	6582.3
60°	7377.5	7592.1	7778.4	7947.8	8086.7	8222.3	8364.6	8427.8	8497.9	8530.6	8642.4
62.5°	8390.6	8595.0	8872.8	9099.9	9227.5	9403.7	9558.4	9658.9	9782.0	9913.0	10083.6
65°	8641.3	8887.5	9062.6	9213.9	9340.4	9434.2	9518.9	9638.6	9741.4	9949.2	10150.2
67.5°	7998.7	8195.2	8355.6	8504.6	8602.9	8682.0	8757.6	8836.7	9012.9	9201.5	9403.7
70°	6865.8	7103.0	7368.4	7561.6	7610.1	7677.9	7750.2	7853.0	7941.1	8138.7	8292.3
72.5°	5516.2	5857.2	6082.0	6349.7	6407.3	6510.1	6550.7	6630.9	6646.7	6754.0	6794.7
75°	3844.6	4235.4	4461.3	4657.8	4696.2	4639.7	4662.3	4378.8	4306.5	4247.8	4200.4
77.5°	2537.8	2642.9	2679.0	2647.4	2496.0	2377.5	2251.0	2126.7	2140.3	2039.8	1863.6
80°	2256.6	2280.3	2247.6	2215.9	2129.0	2004.7	1890.7	1774.3	1716.7	1655.8	1565.4
82.5°	2195.6	2287.1	2297.3	2258.9	2190.0	2054.4	1916.6	1743.8	1597.0	1461.5	1323.7
85°	734.1	893.4	964.5	1031.2	1051.5	1075.2	993.9	883.2	749.9	660.7	517.3
87.5°	93.7	116.3	134.4	115.2	134.4	158.1	114.1	127.6	128.8	80.2	59.9
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°	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5
2.5°	1083.1	1082.0	1082.0	1082.0	1080.9	1082.0	1082.0	1082.0	1082.0	1082.0	1080.9
5°	1108.0	1108.0	1111.4	1112.5	1110.2	1109.1	1110.2	1111.4	1111.4	1110.2	1111.4
7.5°	1154.3	1155.4	1157.7	1161.1	1158.8	1159.9	1161.1	1159.9	1163.3	1164.4	1163.3
10°	1213.0	1215.3	1220.9	1222.0	1220.9	1225.4	1226.6	1224.3	1226.6	1226.6	1231.1
12.5°	1280.8	1283.0	1289.8	1292.1	1294.3	1295.5	1298.8	1300.0	1303.4	1305.6	1309.0
15°	1354.2	1356.5	1361.0	1368.9	1371.1	1373.4	1375.7	1382.4	1383.6	1388.1	1391.5
17.5°	1416.3	1419.7	1426.5	1432.1	1435.5	1441.2	1443.4	1451.3	1453.6	1460.4	1466.0
20°	1466.0	1471.7	1477.3	1484.1	1489.7	1496.5	1498.8	1506.7	1511.2	1514.6	1521.3
22.5°	1511.2	1518.0	1525.9	1533.8	1538.3	1547.3	1550.7	1554.1	1564.3	1568.8	1575.6
25°	1569.9	1576.7	1585.7	1595.9	1600.4	1611.7	1615.1	1620.7	1632.0	1636.6	1646.7
27.5°	1650.1	1659.1	1665.9	1676.1	1681.7	1689.6	1697.5	1704.3	1714.5	1721.3	1732.6
30°	1750.6	1757.4	1768.7	1776.6	1785.6	1796.9	1806.0	1812.7	1818.4	1828.6	1841.0
32.5°	1898.6	1899.7	1903.1	1922.3	1931.3	1940.4	1952.8	1958.4	1967.5	1977.6	1991.2
35°	2082.7	2092.8	2100.7	2109.8	2119.9	2130.1	2134.6	2151.6	2159.5	2173.0	2186.6
37.5°	2265.6	2266.8	2284.8	2290.5	2299.5	2309.7	2325.5	2342.4	2362.8	2376.3	2397.8
40°	2462.2	2471.2	2493.8	2505.1	2516.4	2541.2	2553.7	2580.8	2614.6	2633.8	2670.0
42.5°	2746.8	2760.3	2801.0	2819.1	2846.2	2886.8	2912.8	2950.1	2963.6	3009.9	3026.9
45°	3119.5	3161.3	3220.0	3258.4	3307.0	3351.0	3373.6	3390.6	3410.9	3447.0	3442.5
47.5°	3522.7	3576.9	3642.4	3721.5	3753.1	3805.1	3834.4	3867.2	3849.1	3840.1	3831.0
50°	3936.1	3999.3	4086.3	4157.4	4206.0	4237.6	4262.5	4258.0	4219.6	4199.2	4142.8
52.5°	4395.8	4433.0	4515.5	4576.5	4605.8	4612.6	4607.0	4573.1	4536.9	4472.6	4405.9
55°	5100.5	5083.6	5116.3	5144.6	5135.5	5167.2	5085.8	5054.2	4965.0	4881.4	4792.2
57.5°	6532.6	6555.2	6372.3	6289.8	6275.1	6304.5	6161.1	6143.0	5927.3	5900.2	5749.9
60°	8626.6	8737.3	8593.9	8513.7	8296.8	8225.7	8065.3	7998.7	7792.0	7624.8	7413.6
62.5°	10201.0	10301.6	10361.4	10247.4	10120.9	9934.5	9691.7	9422.9	9203.8	8947.4	8723.7
65°	10343.4	10546.7	10684.4	10737.5	10648.3	10443.9	10144.6	9805.7	9470.3	9148.4	8866.1
67.5°	9678.1	9860.0	10073.4	10264.3	10275.6	10142.3	9887.1	9542.6	9155.2	8757.6	8426.7
70°	8535.1	8763.3	8949.6	9150.7	9290.7	9213.9	9086.3	8770.1	8368.0	8058.5	7677.9
72.5°	6941.5	7037.5	7082.7	7280.3	7282.6	7142.5	7052.2	6877.1	6553.0	6333.9	6043.6
75°	4053.5	3842.3	3617.6	3422.2	3262.9	3196.3	2900.4	2850.7	2651.9	2528.8	2348.1
77.5°	1671.6	1482.9	1240.1	1037.9	838.0	747.7	616.7	559.1	484.5	451.8	430.3
80°	1433.3	1254.8	1071.8	896.8	740.9	585.0	455.2	353.5	277.8	236.1	219.1
82.5°	1170.1	1062.8	935.2	840.3	718.3	602.0	508.2	394.2	294.8	216.9	166.0
85°	422.4	346.7	279.0	256.4	204.4	168.3	141.2	120.8	99.4	79.1	70.0
87.5°	47.4	45.2	26.0	24.8	28.2	20.3	23.7	21.5	18.1	15.8	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



TEST NUMBER: P150106

CATALOG NUMBER: TLM-F04-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5	1077.5
2.5°	1080.9	1080.9	1082.0	1082.0	1083.1	1084.3	1086.5	1085.4	1085.4	1086.5	1086.5
5°	1111.4	1114.8	1113.6	1113.6	1113.6	1114.8	1115.9	1111.4	1106.8	1102.3	1100.1
7.5°	1164.4	1166.7	1169.0	1166.7	1169.0	1167.8	1165.6	1153.2	1138.5	1120.4	1108.0
10°	1233.3	1233.3	1235.6	1234.5	1239.0	1235.6	1228.8	1200.6	1169.0	1130.6	1102.3
12.5°	1307.9	1315.8	1312.4	1313.5	1322.6	1313.5	1297.7	1255.9	1199.5	1137.3	1087.6
15°	1396.0	1399.4	1401.6	1398.2	1403.9	1396.0	1367.7	1301.1	1218.7	1131.7	1058.3
17.5°	1468.3	1469.4	1470.5	1472.8	1480.7	1471.7	1423.1	1332.7	1223.2	1105.7	1008.6
20°	1524.7	1530.4	1534.9	1534.9	1546.2	1532.6	1468.3	1348.5	1208.5	1062.8	945.3
22.5°	1583.5	1588.0	1593.6	1594.8	1609.4	1595.9	1505.5	1345.2	1170.1	1001.8	871.9
25°	1655.8	1660.3	1664.8	1670.4	1690.8	1671.6	1542.8	1331.6	1117.0	929.5	792.9
27.5°	1739.3	1749.5	1752.9	1761.9	1785.6	1756.3	1574.4	1311.3	1058.3	845.9	709.3
30°	1851.1	1863.6	1868.1	1880.5	1913.3	1848.9	1592.5	1276.3	983.7	761.2	620.1
32.5°	2001.4	2018.3	2031.9	2045.4	2082.7	1941.5	1594.8	1225.4	896.8	666.4	534.2
35°	2197.9	2223.9	2234.0	2243.1	2278.1	2042.0	1584.6	1149.8	790.6	569.2	466.5
37.5°	2418.1	2444.1	2450.9	2455.4	2462.2	2127.9	1559.7	1034.6	670.9	484.5	412.2
40°	2689.2	2711.8	2720.8	2714.0	2677.9	2194.5	1504.4	900.2	554.6	426.9	378.4
42.5°	3020.1	3054.0	3057.4	3026.9	2907.2	2231.8	1393.7	742.0	463.1	385.1	352.4
45°	3430.1	3427.8	3408.6	3387.2	3156.8	2217.1	1239.0	604.2	405.5	352.4	328.7
47.5°	3798.3	3759.9	3730.5	3667.3	3377.0	2131.2	1039.1	500.3	370.5	327.5	308.3
50°	4099.8	4029.8	3967.7	3898.8	3540.8	1978.8	840.3	424.7	337.7	306.1	289.1
52.5°	4338.2	4253.4	4181.2	4113.4	3698.9	1809.4	689.0	369.3	306.1	284.6	267.7
55°	4710.9	4626.2	4511.0	4436.4	3940.6	1653.5	590.7	325.3	275.6	262.0	245.1
57.5°	5653.9	5579.4	5441.6	5248.5	4561.8	1594.8	535.4	291.4	250.7	242.8	229.3
60°	7300.7	7179.8	7000.2	6803.7	5824.5	1634.3	491.3	267.7	233.8	227.0	216.9
62.5°	8543.0	8330.7	8127.4	7945.6	6834.2	1633.2	433.7	249.6	221.4	218.0	207.8
65°	8593.9	8378.1	8173.7	7982.8	6856.8	1453.6	365.9	233.8	219.1	218.0	201.0
67.5°	8137.6	7903.8	7706.1	7465.6	6347.4	1136.2	293.7	223.6	228.1	225.9	198.8
70°	7392.1	7087.2	6924.6	6687.4	5586.2	795.1	241.7	227.0	247.3	240.6	202.2
72.5°	5801.9	5571.5	5324.2	5159.3	4373.2	502.6	203.3	229.3	255.3	244.0	211.2
75°	2159.5	2221.6	2119.9	2083.8	2221.6	294.8	180.7	213.5	228.1	211.2	192.0
77.5°	436.0	416.8	395.3	390.8	504.9	181.8	166.0	185.2	175.1	154.7	155.9
80°	208.9	203.3	196.5	195.4	187.5	151.3	153.6	158.1	132.1	119.7	127.6
82.5°	138.9	131.0	128.8	124.2	126.5	135.5	145.7	135.5	101.6	94.9	115.2
85°	64.4	62.1	61.0	61.0	67.8	122.0	120.8	99.4	70.0	67.8	115.2
87.5°	15.8	15.8	16.9	15.8	18.1	36.1	31.6	30.5	26.0	29.4	54.2
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: P150106

CATALOG NUMBER: TLM-F04-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1077.5	1077.5	1077.5
2.5°	1085.4	1086.5	1085.4
5°	1095.6	1095.6	1095.6
7.5°	1095.6	1092.2	1091.0
10°	1079.7	1069.6	1069.6
12.5°	1052.6	1035.7	1033.4
15°	1001.8	979.2	975.8
17.5°	937.4	906.9	901.3
20°	865.1	826.7	820.0
22.5°	786.1	742.0	738.6
25°	708.2	663.0	653.9
27.5°	621.2	577.1	572.6
30°	534.2	495.8	493.6
32.5°	460.8	437.1	432.6
35°	408.9	395.3	389.7
37.5°	375.0	364.8	363.7
40°	349.0	340.0	338.8
42.5°	327.5	319.6	318.5
45°	306.1	299.3	297.0
47.5°	284.6	277.8	276.7
50°	265.4	256.4	255.3
52.5°	247.3	238.3	236.1
55°	230.4	221.4	221.4
57.5°	215.7	206.7	205.6
60°	202.2	193.1	192.0
62.5°	192.0	180.7	179.6
65°	184.1	172.8	170.5
67.5°	179.6	166.0	162.6
70°	187.5	162.6	157.0
72.5°	188.6	159.3	151.3
75°	181.8	150.2	144.6
77.5°	159.3	134.4	128.8
80°	137.8	103.9	96.0
82.5°	131.0	84.7	73.4
85°	101.6	55.3	52.0
87.5°	57.6	30.5	24.8
90°	0.0	0.0	0.0

(END OF REPORT)