

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: P151243

Luminaire Tested: **TLM-F04-LED-E1-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P151243
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-SL3-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

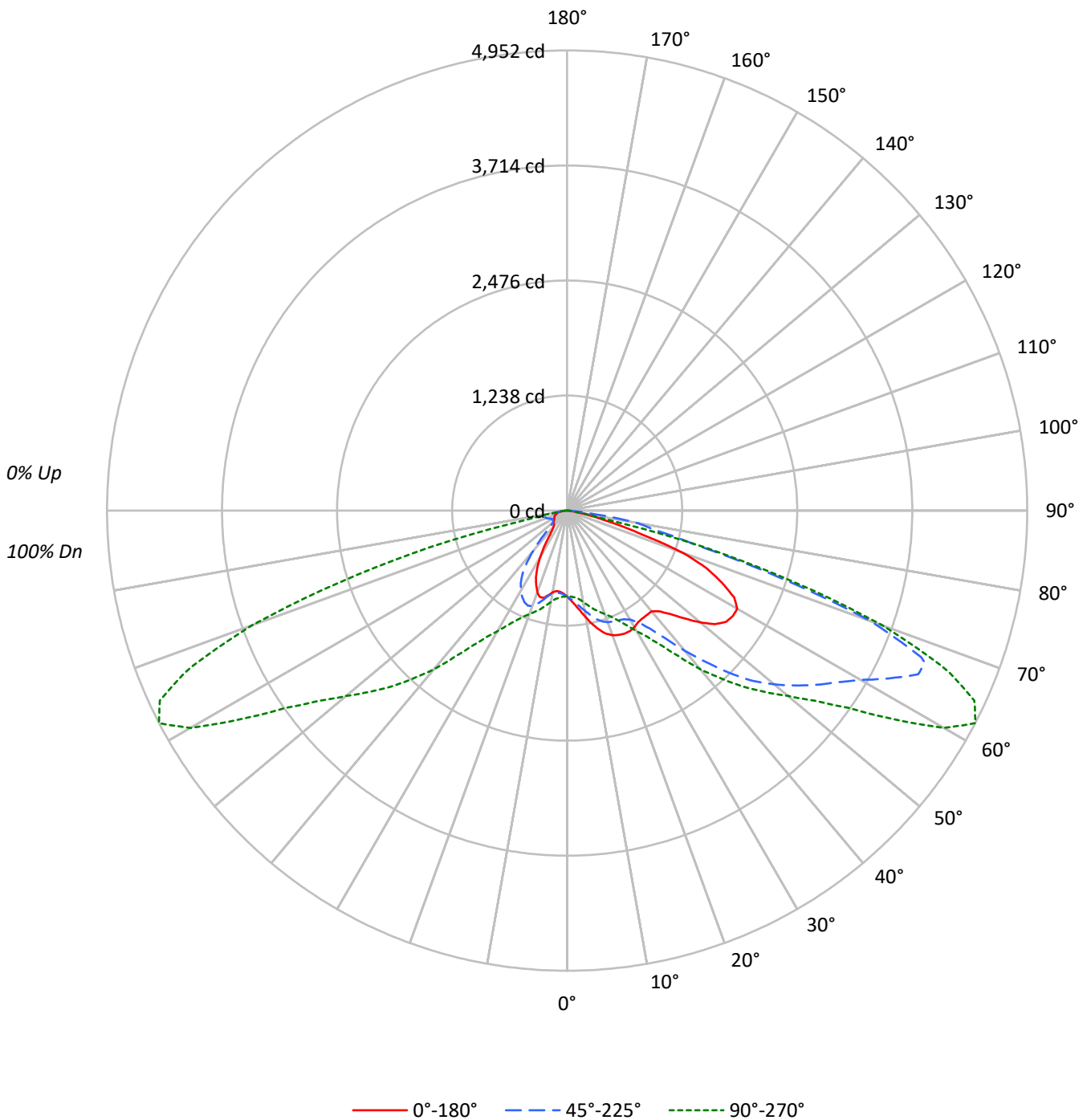
Lumens per Lamp: N/A
Luminaire Lumens: 8461.6 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 3.92 / 2.51
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P151243
CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	14849	14849	14849
5°	16495	15132	14143
10°	19065	16246	14579
15°	22049	18217	16177
20°	24395	20282	16009
25°	25888	23121	14030
30°	26867	27763	10702
35°	27767	34781	6523
40°	29652	46720	4754
45°	35818	60892	4580
50°	46785	77550	4621
55°	58442	103638	4787
60°	67906	150261	5106
65°	69851	183811	5687
70°	62182	169181	6285
75°	29869	95610	7325
80°	10316	13239	7475
85°	4627	8221	7539



TEST NUMBER: P151243

CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.1
10°-20°	315.6	3.7
20°-30°	557.2	6.6
30°-40°	799.8	9.5
40°-50°	1214.7	14.4
50°-60°	1788.4	21.1
60°-70°	2376.8	28.1
70°-80°	1162.8	13.7
80°-90°	154.4	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°	964.8	11.4
0°-40°	1764.6	20.9
0°-60°	4767.7	56.3
0°-90°	8461.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8461.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	924	924	924	924	924	
5°	1023	994	938	892	877	102
15°	1326	1207	1095	992	973	377
25°	1460	1302	1304	1088	792	673
35°	1416	1547	1773	839	333	892
45°	1576	2472	2680	302	202	1246
55°	2086	3270	3700	183	171	1841
65°	1838	4170	4835	204	150	1784
75°	481	1434	1540	237	118	599
85°	25	79	45	57	41	37
90°	0	0	0	0	0	



TEST NUMBER: P151243

CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	968.0	968.9	967.1	966.1	960.6	955.0	951.3	946.6	946.6	946.6	944.8
5°	1022.8	1019.1	1021.9	1015.4	1004.2	994.0	983.8	975.4	973.6	973.6	969.9
7.5°	1088.8	1084.1	1082.3	1073.0	1056.3	1041.4	1020.9	1012.6	1007.9	1006.1	1004.2
10°	1168.7	1168.7	1156.6	1140.8	1118.5	1092.5	1070.2	1055.3	1054.4	1054.4	1046.0
12.5°	1250.4	1252.3	1236.5	1220.7	1184.5	1150.1	1124.1	1107.3	1106.4	1102.7	1098.1
15°	1325.7	1321.0	1310.8	1287.6	1247.6	1206.7	1174.2	1157.5	1153.8	1150.1	1147.3
17.5°	1387.9	1383.3	1370.2	1340.5	1298.7	1250.4	1210.5	1192.8	1191.0	1189.1	1185.4
20°	1426.9	1423.2	1404.6	1370.2	1326.6	1277.3	1234.6	1222.5	1218.8	1218.8	1217.0
22.5°	1449.2	1443.6	1416.7	1371.2	1328.4	1292.2	1256.9	1249.5	1246.7	1247.6	1247.6
25°	1460.4	1455.7	1417.6	1352.6	1311.7	1301.5	1286.6	1282.0	1282.9	1283.9	1285.7
27.5°	1462.2	1455.7	1411.1	1328.4	1290.4	1319.2	1329.4	1336.8	1336.8	1340.5	1347.0
30°	1448.3	1440.8	1398.1	1309.9	1281.1	1354.5	1395.3	1414.8	1422.3	1420.4	1435.3
32.5°	1424.1	1419.5	1385.1	1309.9	1307.1	1424.1	1496.6	1524.5	1528.2	1530.0	1546.8
35°	1415.8	1414.8	1400.0	1354.5	1387.9	1546.8	1657.3	1678.7	1683.3	1683.3	1695.4
37.5°	1413.9	1418.6	1435.3	1438.1	1530.0	1728.8	1873.8	1906.3	1906.3	1915.6	1915.6
40°	1413.9	1424.1	1487.3	1562.5	1703.8	1965.7	2166.4	2203.5	2203.5	2213.8	2208.2
42.5°	1468.7	1483.6	1587.6	1730.7	1923.0	2210.0	2440.4	2482.2	2485.0	2482.2	2490.6
45°	1576.5	1589.5	1715.8	1921.1	2148.7	2472.0	2702.4	2752.6	2742.4	2748.9	2751.6
47.5°	1719.5	1740.0	1884.0	2129.2	2368.9	2714.5	2996.0	3041.5	3037.8	3040.6	3028.5
50°	1871.9	1893.3	2054.0	2335.5	2588.1	2909.6	3231.9	3299.7	3293.2	3297.9	3304.4
52.5°	2006.6	2019.6	2174.7	2490.6	2754.4	3091.6	3413.1	3497.6	3512.5	3514.3	3519.0
55°	2086.5	2102.3	2244.4	2567.7	2875.2	3270.0	3620.2	3748.4	3777.2	3784.7	3805.1
57.5°	2114.4	2131.1	2260.2	2578.9	2941.2	3437.2	3909.2	4134.9	4159.0	4199.0	4264.0
60°	2113.4	2131.1	2243.5	2553.8	3008.0	3644.4	4358.8	4736.9	4859.5	4900.4	4993.3
62.5°	2027.0	2047.5	2161.7	2477.6	3093.5	3909.2	5027.6	5609.2	5767.1	5841.4	5941.8
65°	1837.5	1852.4	1959.2	2284.4	3069.4	4170.2	5586.9	6312.4	6456.4	6565.1	6744.4
67°	1669.4	1678.7	1762.3	2055.8	2833.4	4179.5	5763.4	6487.1	6612.5	6727.7	6912.5
67.5°	1626.6	1646.2	1711.2	1986.2	2745.1	4126.5	5751.3	6460.1	6588.3	6708.2	6903.3
70°	1323.8	1351.7	1384.2	1569.0	2158.0	3471.6	5324.9	5993.8	6106.2	6217.7	6489.9
72.5°	816.6	866.7	873.2	990.3	1404.6	2399.6	4308.6	5054.6	5139.1	5219.0	5497.7
75°	481.2	488.6	511.9	606.6	824.0	1434.3	2891.0	3754.9	3833.0	3872.0	4090.3
77.5°	268.5	275.9	295.4	377.2	633.6	966.1	1683.3	2206.3	2253.7	2302.9	2267.6
80°	111.5	121.7	131.0	152.4	296.3	762.7	1157.5	1402.8	1433.4	1462.2	1498.4
82.5°	53.9	57.6	70.6	80.8	107.8	313.1	907.6	1216.0	1252.3	1294.1	1378.6
85°	25.1	27.9	39.0	46.4	52.0	79.0	303.8	591.8	641.9	651.2	667.9
87.5°	1.9	1.9	4.6	6.5	9.3	10.2	31.6	44.6	50.2	45.5	57.6
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: P151243

CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	943.8	942.9	941.1	941.1	940.1	940.1	940.1	938.3	938.3	938.3	937.3
5°	968.9	968.0	965.2	965.2	963.4	963.4	960.6	959.6	957.8	957.8	956.9
7.5°	1001.4	1000.5	996.8	996.8	994.0	993.1	991.2	988.4	988.4	986.6	984.7
10°	1046.0	1043.2	1042.3	1037.7	1038.6	1036.7	1034.9	1032.1	1030.2	1028.4	1026.5
12.5°	1096.2	1096.2	1091.6	1088.8	1090.6	1088.8	1085.0	1084.1	1081.3	1081.3	1078.5
15°	1143.6	1143.6	1141.7	1138.0	1138.9	1136.1	1135.2	1133.4	1129.6	1130.6	1129.6
17.5°	1184.5	1184.5	1181.7	1179.8	1179.8	1177.0	1177.9	1176.1	1174.2	1173.3	1170.5
20°	1217.0	1217.0	1215.1	1213.2	1214.2	1214.2	1211.4	1211.4	1211.4	1209.5	1209.5
22.5°	1248.6	1249.5	1249.5	1249.5	1250.4	1251.3	1250.4	1252.3	1251.3	1253.2	1253.2
25°	1290.4	1293.1	1295.0	1295.0	1299.6	1300.6	1301.5	1304.3	1304.3	1307.1	1308.0
27.5°	1352.6	1354.5	1361.9	1363.7	1364.7	1372.1	1373.0	1376.7	1380.5	1381.4	1382.3
30°	1438.1	1442.7	1448.3	1452.0	1452.0	1461.3	1465.0	1463.1	1473.4	1476.2	1479.9
32.5°	1552.3	1556.0	1561.6	1565.3	1569.0	1573.7	1574.6	1579.3	1587.6	1595.1	1590.4
35°	1696.3	1705.6	1696.3	1706.5	1709.3	1715.8	1714.0	1719.5	1723.3	1726.0	1725.1
37.5°	1905.3	1900.7	1898.8	1895.1	1888.6	1910.9	1899.8	1898.8	1893.3	1909.1	1898.8
40°	2180.3	2183.1	2185.9	2171.0	2162.7	2162.7	2159.9	2149.7	2145.0	2159.0	2157.1
42.5°	2467.4	2470.2	2457.2	2447.9	2426.5	2423.7	2410.7	2407.9	2403.3	2410.7	2403.3
45°	2728.4	2730.3	2701.5	2706.1	2689.4	2692.2	2671.7	2680.1	2669.0	2676.4	2690.3
47.5°	3020.1	3023.8	2998.7	3009.0	2992.2	2982.0	2981.1	2986.7	2974.6	2982.0	2985.7
50°	3284.9	3280.2	3267.2	3270.0	3262.6	3264.4	3253.3	3263.5	3249.6	3264.4	3262.6
52.5°	3519.9	3514.3	3511.5	3520.8	3514.3	3514.3	3507.8	3512.5	3514.3	3536.6	3541.3
55°	3805.1	3809.7	3814.4	3831.1	3838.5	3826.5	3838.5	3861.8	3862.7	3915.7	3944.5
57.5°	4263.1	4295.6	4312.3	4322.5	4366.2	4361.6	4389.4	4445.2	4450.7	4573.4	4644.9
60°	5062.0	5119.6	5174.4	5144.7	5232.9	5259.9	5276.6	5380.7	5413.2	5529.3	5591.5
62.5°	6070.9	6077.4	6162.9	6135.9	6186.1	6174.0	6194.4	6241.8	6284.6	6380.2	6438.8
65°	6775.1	6805.7	6839.2	6804.8	6803.9	6763.0	6737.0	6736.0	6762.1	6782.5	6847.5
67°	6966.4	6997.1	7005.4	6980.4	6944.1	6892.1	6843.8	6818.7	6802.0	6811.3	6852.2
67.5°	6964.6	6993.4	7003.6	6979.4	6929.3	6885.6	6834.5	6805.7	6783.4	6788.1	6822.4
70°	6568.8	6631.1	6664.5	6671.9	6665.4	6589.3	6545.6	6519.6	6501.0	6455.5	6452.7
72.5°	5565.5	5640.8	5666.8	5708.6	5727.2	5614.8	5567.4	5596.2	5531.2	5387.2	5393.7
75°	4086.6	4092.2	4004.8	3988.1	3925.9	3671.3	3595.2	3525.5	3414.0	3240.3	3076.8
77.5°	2130.2	2129.2	2028.9	1977.8	1903.5	1750.2	1742.8	1618.3	1531.0	1372.1	1314.5
80°	1513.3	1537.5	1570.9	1587.6	1561.6	1502.2	1420.4	1332.2	1230.9	1131.5	1012.6
82.5°	1407.4	1422.3	1439.9	1374.9	1338.7	1255.1	1192.8	1064.6	993.1	879.7	759.9
85°	684.7	730.2	694.9	654.0	640.1	500.7	484.0	404.1	366.9	301.9	281.5
87.5°	43.7	53.9	48.3	43.7	38.1	21.4	28.8	20.4	21.4	15.8	13.9
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: P151243

CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	937.3	936.4	935.5	934.6	933.6	933.6	932.7	931.8	930.8	929.0	929.0
5°	955.0	955.0	954.1	952.2	952.2	950.3	947.6	946.6	946.6	944.8	942.9
7.5°	983.8	982.9	981.0	980.1	978.2	976.4	974.5	972.6	971.7	968.9	968.0
10°	1027.5	1025.6	1020.9	1019.1	1018.2	1016.3	1014.4	1012.6	1009.8	1007.9	1007.0
12.5°	1076.7	1075.8	1072.0	1073.9	1069.3	1067.4	1065.5	1060.9	1062.8	1059.0	1057.2
15°	1125.9	1126.9	1125.0	1125.0	1121.3	1118.5	1116.6	1112.9	1112.0	1110.1	1108.3
17.5°	1169.6	1171.4	1168.7	1166.8	1164.9	1163.1	1159.4	1155.7	1155.7	1151.9	1150.1
20°	1209.5	1211.4	1210.5	1208.6	1205.8	1204.9	1203.0	1200.2	1200.2	1198.4	1195.6
22.5°	1255.1	1256.0	1256.0	1255.1	1252.3	1253.2	1251.3	1248.6	1249.5	1245.8	1245.8
25°	1309.9	1311.7	1313.6	1314.5	1312.6	1313.6	1311.7	1309.9	1308.9	1309.9	1308.9
27.5°	1385.1	1387.0	1392.5	1387.9	1392.5	1393.5	1390.7	1387.0	1389.8	1394.4	1391.6
30°	1484.5	1482.7	1490.1	1491.0	1490.1	1491.0	1489.2	1486.4	1488.2	1496.6	1491.9
32.5°	1596.0	1599.7	1601.6	1603.4	1606.2	1609.9	1607.1	1604.3	1609.0	1606.2	1612.7
35°	1730.7	1739.1	1741.8	1739.1	1740.9	1747.4	1746.5	1747.4	1756.7	1747.4	1759.5
37.5°	1900.7	1909.1	1915.6	1911.8	1916.5	1916.5	1923.9	1944.4	1931.4	1948.1	1961.1
40°	2147.8	2160.8	2161.7	2160.8	2165.5	2171.0	2178.5	2200.8	2185.9	2203.5	2215.6
42.5°	2402.3	2418.1	2423.7	2414.4	2424.6	2436.7	2437.6	2457.2	2458.1	2460.9	2467.4
45°	2689.4	2703.3	2714.5	2709.8	2710.8	2726.6	2722.8	2741.4	2727.5	2727.5	2731.2
47.5°	2995.0	3008.0	3015.5	3022.9	3013.6	3027.5	3034.1	3030.3	3013.6	3009.9	2987.6
50°	3273.7	3284.9	3296.0	3316.5	3315.5	3322.0	3326.7	3310.0	3306.2	3285.8	3260.7
52.5°	3569.1	3597.9	3623.0	3665.8	3672.3	3694.6	3686.2	3658.3	3653.7	3620.2	3586.8
55°	3980.7	4063.4	4099.6	4165.5	4210.1	4209.2	4190.6	4186.0	4150.7	4083.8	4043.9
57.5°	4696.9	4826.1	4888.3	4973.8	4987.7	4979.3	4955.2	4912.5	4851.1	4738.7	4666.3
60°	5730.9	5810.8	5883.2	5903.7	5913.9	5898.1	5813.6	5718.8	5599.0	5443.8	5314.7
62.5°	6512.2	6593.9	6647.8	6639.4	6575.3	6494.5	6370.9	6212.1	6043.9	5870.2	5677.0
65°	6909.8	6944.1	6935.8	6870.7	6761.1	6619.9	6439.7	6243.7	6045.8	5840.5	5639.8
67°	6888.4	6889.3	6832.7	6706.3	6566.0	6388.6	6168.4	5954.8	5722.5	5507.0	5268.2
67.5°	6850.3	6846.6	6767.6	6629.2	6477.8	6294.8	6066.2	5845.1	5604.5	5387.2	5140.1
70°	6419.3	6367.2	6188.9	5967.8	5756.9	5509.8	5270.1	5016.5	4745.2	4558.5	4274.2
72.5°	5274.8	5099.2	4791.7	4560.4	4334.6	4011.3	3861.8	3546.8	3356.4	3237.5	3022.9
75°	3054.5	2907.7	2669.9	2453.4	2343.8	2152.4	2061.4	1830.1	1781.8	1779.9	1705.6
77.5°	1165.9	1017.2	864.0	695.8	591.8	470.1	414.3	370.7	337.2	360.4	327.0
80°	874.2	719.0	562.0	408.8	291.7	215.5	184.9	170.9	162.6	156.1	151.4
82.5°	651.2	513.7	398.5	260.1	182.1	137.5	118.9	111.5	107.8	101.3	95.7
85°	220.2	176.5	139.3	96.6	76.2	62.2	57.6	55.7	53.0	48.3	45.5
87.5°	12.1	11.1	12.1	9.3	11.1	9.3	10.2	10.2	10.2	9.3	9.3
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: P151243

CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	928.1	928.1	928.1	926.2	923.4	917.8	912.3	907.6	903.0	900.2	898.3
5°	942.0	940.1	939.2	938.3	931.8	920.6	910.4	901.1	891.8	884.4	881.6
7.5°	967.1	963.4	962.4	959.6	951.3	934.6	919.7	904.8	891.8	881.6	877.0
10°	1005.2	1005.2	999.6	995.9	986.6	964.3	942.9	923.4	905.8	894.6	891.8
12.5°	1053.5	1053.5	1048.8	1046.0	1034.9	1006.1	980.1	956.9	940.1	929.0	928.1
15°	1103.6	1102.7	1099.0	1095.3	1083.2	1052.5	1026.5	1006.1	992.2	979.1	975.4
17.5°	1148.2	1148.2	1143.6	1139.9	1127.8	1101.8	1078.5	1063.7	1047.9	1020.9	1000.5
20°	1192.8	1193.7	1190.0	1186.3	1176.1	1153.8	1143.6	1128.7	1093.4	1034.9	986.6
22.5°	1242.0	1245.8	1241.1	1237.4	1229.0	1219.8	1216.0	1180.7	1106.4	1012.6	942.0
25°	1305.2	1311.7	1306.1	1304.3	1299.6	1302.4	1291.3	1209.5	1087.8	964.3	876.0
27.5°	1391.6	1391.6	1392.5	1392.5	1390.7	1400.9	1360.0	1210.5	1047.0	902.0	797.1
30°	1492.9	1498.4	1496.6	1496.6	1504.0	1510.5	1398.1	1190.0	994.9	824.9	700.5
32.5°	1614.6	1619.2	1621.1	1612.7	1642.4	1609.0	1412.1	1152.9	930.8	729.2	585.3
35°	1761.3	1767.9	1772.5	1773.4	1792.9	1694.5	1404.6	1098.1	838.9	609.4	458.9
37.5°	1952.7	1965.7	1975.9	1980.6	1981.5	1766.9	1384.2	1025.6	719.0	475.6	341.9
40°	2207.3	2221.2	2218.4	2227.7	2174.7	1809.7	1337.7	920.6	570.4	349.3	263.8
42.5°	2452.5	2454.4	2458.1	2449.7	2342.0	1832.0	1272.7	792.4	427.3	261.0	225.7
45°	2726.6	2710.8	2693.1	2680.1	2496.2	1840.3	1183.5	636.4	301.9	219.2	209.0
47.5°	2983.9	2962.5	2926.3	2889.1	2633.7	1827.3	1069.3	476.6	229.5	200.7	197.9
50°	3236.6	3196.6	3145.5	3102.8	2765.6	1807.8	942.9	343.7	200.7	191.4	188.6
52.5°	3549.6	3482.7	3415.9	3360.1	2937.4	1777.1	810.1	261.0	188.6	183.9	180.2
55°	3978.8	3885.9	3778.2	3700.1	3170.6	1730.7	670.7	221.1	183.0	179.3	173.7
57.5°	4573.4	4434.0	4312.3	4185.1	3489.3	1683.3	550.9	205.3	182.1	176.5	169.1
60°	5180.9	5013.7	4858.6	4676.5	3814.4	1635.9	467.3	203.4	184.9	176.5	165.4
62.5°	5496.8	5324.0	5137.3	4952.4	3954.7	1524.5	409.7	206.2	191.4	179.3	165.4
65°	5424.3	5213.4	5023.9	4835.3	3792.1	1313.6	346.5	209.9	204.4	190.4	168.1
67°	5060.2	4840.0	4657.9	4477.7	3429.8	1099.9	297.3	213.7	218.3	203.4	173.7
67.5°	4932.0	4711.8	4532.5	4356.9	3323.0	1055.3	285.2	215.5	221.1	207.2	175.6
70°	4089.4	3927.7	3737.3	3601.7	2690.3	781.3	234.1	219.2	237.8	228.5	183.9
72.5°	2943.0	2788.8	2645.7	2570.5	1981.5	546.2	196.9	215.5	248.0	240.6	187.7
75°	1564.4	1555.1	1503.1	1540.3	1226.3	356.7	173.7	201.6	236.9	220.2	174.6
77.5°	315.9	325.1	381.8	376.2	395.7	198.8	148.6	172.8	183.0	161.6	142.1
80°	146.8	144.0	141.2	143.1	140.3	127.3	120.8	135.6	127.3	104.0	94.8
82.5°	91.0	89.2	86.4	85.5	94.8	101.3	105.9	106.8	84.5	72.5	69.7
85°	43.7	43.7	42.7	44.6	55.7	82.7	89.2	79.0	56.7	52.0	49.2
87.5°	8.4	8.4	9.3	8.4	11.1	19.5	22.3	26.0	21.4	22.3	25.1
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: P151243

CATALOG NUMBER: TLM-F04-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	924.3	924.3	924.3
2.5°	896.5	894.6	894.6
5°	877.9	877.0	877.0
7.5°	873.2	874.2	873.2
10°	890.9	890.0	893.7
12.5°	929.9	932.7	931.8
15°	970.8	972.6	972.6
17.5°	982.9	976.4	975.4
20°	951.3	939.2	936.4
22.5°	891.8	869.5	870.5
25°	816.6	789.6	791.5
27.5°	729.2	700.5	699.5
30°	624.3	592.7	576.9
32.5°	497.9	459.8	459.8
35°	374.4	343.7	332.6
37.5°	284.3	266.6	261.0
40°	236.9	228.5	226.7
42.5°	215.5	212.7	211.8
45°	204.4	202.5	201.6
47.5°	194.2	193.2	192.3
50°	186.7	185.8	184.9
52.5°	180.2	178.4	177.4
55°	170.9	170.9	170.9
57.5°	165.4	165.4	164.4
60°	159.8	158.9	158.9
62.5°	155.1	153.3	154.2
65°	152.4	149.6	149.6
67°	150.5	144.9	144.9
67.5°	150.5	143.1	143.1
70°	147.7	135.6	133.8
72.5°	144.9	127.3	124.5
75°	137.5	120.8	118.0
77.5°	118.0	107.8	105.9
80°	91.0	79.0	80.8
82.5°	66.0	56.7	55.7
85°	47.4	40.9	40.9
87.5°	25.1	21.4	22.3
90°	0.0	0.0	0.0

(END OF REPORT)