

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: P151244

Luminaire Tested: **TLM-F04-LED-E1-SL3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P151244
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-SL3-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9157.0 lumens
Efficiency: N/A
Efficacy: 89.6 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

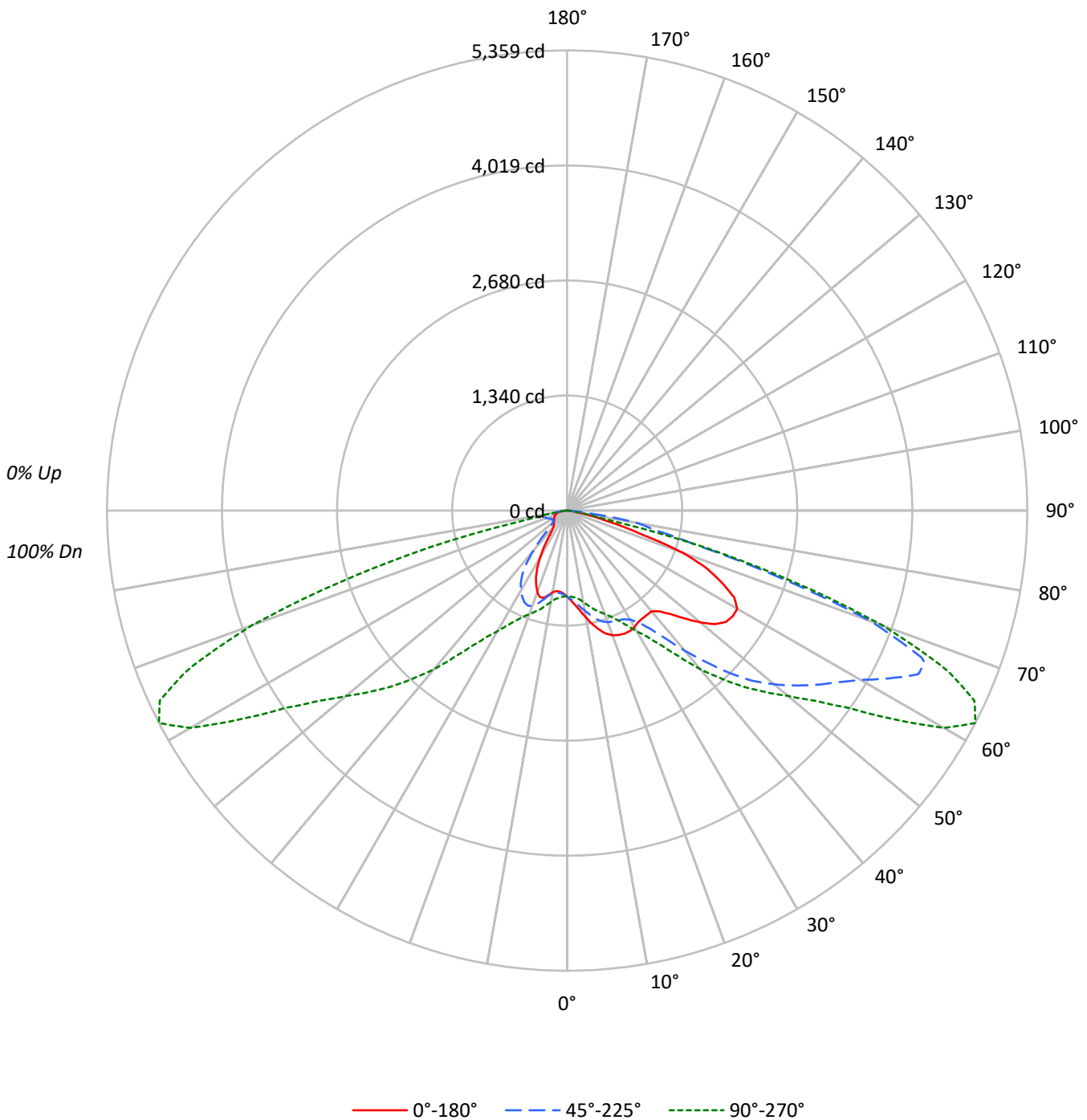
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16070	16070	16070
5°	17851	16375	15304
10°	20632	17581	15777
15°	23861	19714	17507
20°	26401	21949	17326
25°	28015	25021	15183
30°	29075	30045	11581
35°	30048	37640	7059
40°	32089	50559	5144
45°	38761	65897	4958
50°	50629	83923	5001
55°	63245	112155	5182
60°	73487	162609	5523
65°	75591	198918	6155
70°	67293	183080	6802
75°	32327	103462	7927
80°	11158	14322	8095
85°	4995	8903	8147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.1
10°-20°	341.5	3.7
20°-30°	603.0	6.6
30°-40°	865.5	9.5
40°-50°	1314.5	14.4
50°-60°	1935.4	21.1
60°-70°	2572.1	28.1
70°-80°	1258.3	13.7
80°-90°	167.1	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°	1044.1	11.4
0°-40°	1909.6	20.9
0°-60°	5159.5	56.3
0°-90°	9157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9157.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1000	1000	1000	1000	1000	
5°	1107	1076	1015	965	949	110
15°	1435	1306	1185	1074	1053	408
25°	1580	1408	1412	1177	856	728
35°	1532	1674	1919	908	360	966
45°	1706	2675	2900	327	218	1348
55°	2258	3539	4004	198	185	1993
65°	1988	4513	5233	221	162	1931
75°	521	1552	1667	256	128	649
85°	27	86	48	61	44	40
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°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3
2.5°	1047.5	1048.6	1046.5	1045.5	1039.5	1033.5	1029.5	1024.4	1024.4	1024.4	1022.4
5°	1106.9	1102.8	1105.9	1098.8	1086.8	1075.7	1064.6	1055.6	1053.6	1053.6	1049.6
7.5°	1178.2	1173.2	1171.2	1161.1	1143.1	1127.0	1104.9	1095.8	1090.8	1088.8	1086.8
10°	1264.7	1264.7	1251.6	1234.5	1210.4	1182.3	1158.1	1142.0	1141.0	1141.0	1132.0
12.5°	1353.2	1355.2	1338.1	1321.0	1281.8	1244.6	1216.4	1198.3	1197.3	1193.3	1188.3
15°	1434.6	1429.6	1418.5	1393.4	1350.2	1305.9	1270.7	1252.6	1248.6	1244.6	1241.6
17.5°	1502.0	1496.9	1482.9	1450.7	1405.4	1353.2	1309.9	1290.8	1288.8	1286.8	1282.8
20°	1544.2	1540.2	1520.1	1482.9	1435.6	1382.3	1336.1	1323.0	1319.0	1319.0	1317.0
22.5°	1568.3	1562.3	1533.1	1483.9	1437.6	1398.4	1360.2	1352.2	1349.1	1350.2	1350.2
25°	1580.4	1575.3	1534.1	1463.8	1419.5	1408.5	1392.4	1387.3	1388.4	1389.4	1391.4
27.5°	1582.4	1575.3	1527.1	1437.6	1396.4	1427.6	1438.6	1446.7	1446.7	1450.7	1457.7
30°	1567.3	1559.3	1513.0	1417.5	1386.3	1465.8	1510.0	1531.1	1539.2	1537.1	1553.2
32.5°	1541.2	1536.1	1498.9	1417.5	1414.5	1541.2	1619.6	1649.7	1653.8	1655.8	1673.9
35°	1532.1	1531.1	1515.0	1465.8	1502.0	1673.9	1793.5	1816.6	1821.6	1821.6	1834.7
37.5°	1530.1	1535.1	1553.2	1556.2	1655.8	1870.9	2027.7	2062.9	2062.9	2073.0	2073.0
40°	1530.1	1541.2	1609.5	1691.0	1843.8	2127.3	2344.4	2384.6	2384.6	2395.7	2389.7
42.5°	1589.4	1605.5	1718.1	1872.9	2081.0	2391.7	2641.0	2686.2	2689.2	2686.2	2695.3
45°	1706.0	1720.1	1856.8	2079.0	2325.3	2675.2	2924.5	2978.8	2967.7	2974.8	2977.8
47.5°	1860.9	1883.0	2038.8	2304.2	2563.6	2937.6	3242.2	3291.4	3287.4	3290.4	3277.4
50°	2025.7	2048.9	2222.8	2527.4	2800.8	3148.7	3497.5	3570.9	3563.9	3568.9	3575.9
52.5°	2171.5	2185.6	2353.5	2695.3	2980.8	3345.7	3693.6	3785.0	3801.1	3803.1	3808.2
55°	2258.0	2275.0	2428.9	2778.7	3111.5	3538.7	3917.8	4056.5	4087.6	4095.7	4117.8
57.5°	2288.1	2306.2	2446.0	2790.8	3182.9	3719.7	4230.4	4474.7	4500.8	4544.1	4614.4
60°	2287.1	2306.2	2427.9	2763.6	3255.2	3943.9	4717.0	5126.2	5258.9	5303.1	5403.6
62.5°	2193.6	2215.7	2339.4	2681.2	3347.7	4230.4	5440.8	6070.2	6241.1	6321.5	6430.1
65°	1988.5	2004.6	2120.2	2472.1	3321.6	4512.9	6046.0	6831.2	6987.0	7104.6	7298.7
67°	1806.6	1816.6	1907.1	2224.8	3066.2	4523.0	6237.0	7020.2	7155.9	7280.6	7480.6
67.5°	1760.3	1781.4	1851.8	2149.4	2970.7	4465.7	6224.0	6991.0	7129.8	7259.4	7470.6
70°	1432.6	1462.7	1497.9	1698.0	2335.4	3756.9	5762.5	6486.4	6608.0	6728.6	7023.2
72.5°	883.7	938.0	945.0	1071.7	1520.1	2596.8	4662.7	5470.0	5561.5	5647.9	5949.5
75°	520.8	528.8	553.9	656.5	891.7	1552.2	3128.6	4063.5	4148.0	4190.2	4426.4
77.5°	290.5	298.6	319.7	408.2	685.6	1045.5	1821.6	2387.6	2438.9	2492.2	2454.0
80°	120.6	131.7	141.8	164.9	320.7	825.4	1252.6	1518.0	1551.2	1582.4	1621.6
82.5°	58.3	62.3	76.4	87.5	116.6	338.8	982.2	1316.0	1355.2	1400.4	1491.9
85°	27.1	30.2	42.2	50.3	56.3	85.5	328.7	640.4	694.7	704.7	722.8
87.5°	2.0	2.0	5.0	7.0	10.1	11.1	34.2	48.3	54.3	49.3	62.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3
2.5°	1021.4	1020.4	1018.4	1018.4	1017.4	1017.4	1017.4	1015.4	1015.4	1015.4	1014.4
5°	1048.6	1047.5	1044.5	1044.5	1042.5	1042.5	1039.5	1038.5	1036.5	1036.5	1035.5
7.5°	1083.7	1082.7	1078.7	1078.7	1075.7	1074.7	1072.7	1069.7	1069.7	1067.7	1065.6
10°	1132.0	1129.0	1128.0	1122.9	1124.0	1121.9	1119.9	1116.9	1114.9	1112.9	1110.9
12.5°	1186.3	1186.3	1181.3	1178.2	1180.3	1178.2	1174.2	1173.2	1170.2	1170.2	1167.2
15°	1237.6	1237.6	1235.5	1231.5	1232.5	1229.5	1228.5	1226.5	1222.5	1223.5	1222.5
17.5°	1281.8	1281.8	1278.8	1276.8	1276.8	1273.7	1274.8	1272.7	1270.7	1269.7	1266.7
20°	1317.0	1317.0	1315.0	1313.0	1314.0	1314.0	1310.9	1310.9	1310.9	1308.9	1308.9
22.5°	1351.2	1352.2	1352.2	1352.2	1353.2	1354.2	1353.2	1355.2	1354.2	1356.2	1356.2
25°	1396.4	1399.4	1401.4	1401.4	1406.4	1407.5	1408.5	1411.5	1411.5	1414.5	1415.5
27.5°	1463.8	1465.8	1473.8	1475.8	1476.8	1484.9	1485.9	1489.9	1493.9	1494.9	1495.9
30°	1556.2	1561.3	1567.3	1571.3	1571.3	1581.4	1585.4	1583.4	1594.4	1597.5	1601.5
32.5°	1679.9	1683.9	1690.0	1694.0	1698.0	1703.0	1704.0	1709.1	1718.1	1726.1	1721.1
35°	1835.7	1845.8	1835.7	1846.8	1849.8	1856.8	1854.8	1860.9	1864.9	1867.9	1866.9
37.5°	2061.9	2056.9	2054.9	2050.9	2043.8	2068.0	2055.9	2054.9	2048.9	2065.9	2054.9
40°	2359.5	2362.5	2365.5	2349.4	2340.4	2340.4	2337.4	2326.3	2321.3	2336.4	2334.4
42.5°	2670.1	2673.2	2659.1	2649.0	2625.9	2622.9	2608.8	2605.8	2600.8	2608.8	2600.8
45°	2952.6	2954.6	2923.5	2928.5	2910.4	2913.4	2891.3	2900.4	2888.3	2896.3	2911.4
47.5°	3268.3	3272.3	3245.2	3256.2	3238.2	3227.1	3226.1	3232.1	3219.0	3227.1	3231.1
50°	3554.8	3549.8	3535.7	3538.7	3530.7	3532.7	3520.6	3531.7	3516.6	3532.7	3530.7
52.5°	3809.2	3803.1	3800.1	3810.2	3803.1	3803.1	3796.1	3801.1	3803.1	3827.3	3832.3
55°	4117.8	4122.8	4127.9	4146.0	4154.0	4140.9	4154.0	4179.1	4180.1	4237.4	4268.6
57.5°	4613.4	4648.6	4666.7	4677.8	4725.0	4720.0	4750.2	4810.5	4816.5	4949.2	5026.6
60°	5478.0	5540.3	5599.7	5567.5	5663.0	5692.1	5710.2	5822.8	5858.0	5983.7	6051.0
62.5°	6569.8	6576.8	6669.3	6640.2	6694.5	6681.4	6703.5	6754.8	6801.0	6904.6	6967.9
65°	7331.8	7365.0	7401.2	7364.0	7363.0	7318.8	7290.6	7289.6	7317.8	7339.9	7410.2
67°	7538.9	7572.1	7581.2	7554.0	7514.8	7458.5	7406.2	7379.1	7361.0	7371.0	7415.3
67.5°	7536.9	7568.1	7579.1	7553.0	7498.7	7451.5	7396.2	7365.0	7340.9	7345.9	7383.1
70°	7108.7	7176.0	7212.2	7220.2	7213.2	7130.8	7083.5	7055.4	7035.3	6986.0	6983.0
72.5°	6022.9	6104.3	6132.5	6177.7	6197.8	6076.2	6024.9	6056.1	5985.7	5829.9	5836.9
75°	4422.4	4428.5	4334.0	4315.9	4248.5	3973.0	3890.6	3815.2	3694.6	3506.6	3329.6
77.5°	2305.2	2304.2	2195.6	2140.3	2059.9	1894.0	1886.0	1751.3	1656.8	1484.9	1422.5
80°	1637.7	1663.8	1700.0	1718.1	1690.0	1625.6	1537.1	1441.6	1332.1	1224.5	1095.8
82.5°	1523.1	1539.2	1558.3	1487.9	1448.7	1358.2	1290.8	1152.1	1074.7	952.0	822.4
85°	740.9	790.2	752.0	707.7	692.7	541.9	523.8	437.3	397.1	326.7	304.6
87.5°	47.3	58.3	52.3	47.3	41.2	23.1	31.2	22.1	23.1	17.1	15.1
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°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3
2.5°	1014.4	1013.4	1012.4	1011.4	1010.4	1010.4	1009.3	1008.3	1007.3	1005.3	1005.3
5°	1033.5	1033.5	1032.5	1030.5	1030.5	1028.4	1025.4	1024.4	1024.4	1022.4	1020.4
7.5°	1064.6	1063.6	1061.6	1060.6	1058.6	1056.6	1054.6	1052.6	1051.6	1048.6	1047.5
10°	1111.9	1109.9	1104.9	1102.8	1101.8	1099.8	1097.8	1095.8	1092.8	1090.8	1089.8
12.5°	1165.2	1164.2	1160.1	1162.2	1157.1	1155.1	1153.1	1148.1	1150.1	1146.1	1144.1
15°	1218.5	1219.5	1217.4	1217.4	1213.4	1210.4	1208.4	1204.4	1203.4	1201.4	1199.4
17.5°	1265.7	1267.7	1264.7	1262.7	1260.7	1258.7	1254.6	1250.6	1250.6	1246.6	1244.6
20°	1308.9	1310.9	1309.9	1307.9	1304.9	1303.9	1301.9	1298.9	1298.9	1296.9	1293.9
22.5°	1358.2	1359.2	1359.2	1358.2	1355.2	1356.2	1354.2	1351.2	1352.2	1348.1	1348.1
25°	1417.5	1419.5	1421.5	1422.5	1420.5	1421.5	1419.5	1417.5	1416.5	1417.5	1416.5
27.5°	1498.9	1500.9	1507.0	1502.0	1507.0	1508.0	1505.0	1500.9	1504.0	1509.0	1506.0
30°	1606.5	1604.5	1612.5	1613.5	1612.5	1613.5	1611.5	1608.5	1610.5	1619.6	1614.6
32.5°	1727.1	1731.2	1733.2	1735.2	1738.2	1742.2	1739.2	1736.2	1741.2	1738.2	1745.2
35°	1872.9	1882.0	1885.0	1882.0	1884.0	1891.0	1890.0	1891.0	1901.1	1891.0	1904.1
37.5°	2056.9	2065.9	2073.0	2069.0	2074.0	2074.0	2082.0	2104.1	2090.1	2108.2	2122.2
40°	2324.3	2338.4	2339.4	2338.4	2343.4	2349.4	2357.5	2381.6	2365.5	2384.6	2397.7
42.5°	2599.8	2616.9	2622.9	2612.8	2623.9	2637.0	2638.0	2659.1	2660.1	2663.1	2670.1
45°	2910.4	2925.5	2937.6	2932.5	2933.5	2950.6	2946.6	2966.7	2951.6	2951.6	2955.7
47.5°	3241.2	3255.2	3263.3	3271.3	3261.3	3276.4	3283.4	3279.4	3261.3	3257.3	3233.1
50°	3542.8	3554.8	3566.9	3589.0	3588.0	3595.0	3600.1	3582.0	3578.0	3555.8	3528.7
52.5°	3862.5	3893.6	3920.8	3967.0	3974.0	3998.2	3989.1	3959.0	3953.9	3917.8	3881.6
55°	4307.8	4397.3	4436.5	4507.9	4556.1	4555.1	4535.0	4530.0	4491.8	4419.4	4376.2
57.5°	5082.9	5222.7	5290.0	5382.5	5397.6	5388.5	5362.4	5316.2	5249.8	5128.2	5049.7
60°	6201.8	6288.3	6366.7	6388.8	6399.9	6382.8	6291.3	6188.8	6059.1	5891.2	5751.5
62.5°	7047.3	7135.8	7194.1	7185.1	7115.7	7028.2	6894.5	6722.6	6540.6	6352.6	6143.5
65°	7477.6	7514.8	7505.8	7435.4	7316.8	7163.9	6968.9	6756.8	6542.7	6320.5	6103.3
67°	7454.5	7455.5	7394.2	7257.4	7105.6	6913.6	6675.4	6444.1	6192.8	5959.6	5701.2
67.5°	7413.3	7409.2	7323.8	7174.0	7010.1	6812.1	6564.8	6325.5	6065.1	5829.9	5562.5
70°	6946.8	6890.5	6697.5	6458.2	6230.0	5962.6	5703.2	5428.8	5135.2	4933.1	4625.5
72.5°	5708.2	5518.2	5185.5	4935.1	4690.8	4341.0	4179.1	3838.3	3632.2	3503.6	3271.3
75°	3305.5	3146.7	2889.3	2655.1	2536.4	2329.3	2230.8	1980.5	1928.2	1926.2	1845.8
77.5°	1261.7	1100.8	935.0	753.0	640.4	508.7	448.4	401.1	364.9	390.1	353.9
80°	946.0	778.1	608.2	442.3	315.7	233.2	200.1	185.0	175.9	168.9	163.9
82.5°	704.7	555.9	431.3	281.5	197.0	148.8	128.7	120.6	116.6	109.6	103.5
85°	238.3	191.0	150.8	104.6	82.4	67.4	62.3	60.3	57.3	52.3	49.3
87.5°	13.1	12.1	13.1	10.1	12.1	10.1	11.1	11.1	11.1	10.1	10.1
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: P151244

CATALOG NUMBER: TLM-F04-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3
2.5°	1004.3	1004.3	1004.3	1002.3	999.3	993.3	987.2	982.2	977.2	974.2	972.1
5°	1019.4	1017.4	1016.4	1015.4	1008.3	996.3	985.2	975.2	965.1	957.1	954.1
7.5°	1046.5	1042.5	1041.5	1038.5	1029.5	1011.4	995.3	979.2	965.1	954.1	949.0
10°	1087.8	1087.8	1081.7	1077.7	1067.7	1043.5	1020.4	999.3	980.2	968.1	965.1
12.5°	1140.0	1140.0	1135.0	1132.0	1119.9	1088.8	1060.6	1035.5	1017.4	1005.3	1004.3
15°	1194.3	1193.3	1189.3	1185.3	1172.2	1139.0	1110.9	1088.8	1073.7	1059.6	1055.6
17.5°	1242.6	1242.6	1237.6	1233.5	1220.5	1192.3	1167.2	1151.1	1134.0	1104.9	1082.7
20°	1290.8	1291.8	1287.8	1283.8	1272.7	1248.6	1237.6	1221.5	1183.3	1119.9	1067.7
22.5°	1344.1	1348.1	1343.1	1339.1	1330.0	1320.0	1316.0	1277.8	1197.3	1095.8	1019.4
25°	1412.5	1419.5	1413.5	1411.5	1406.4	1409.5	1397.4	1308.9	1177.2	1043.5	948.0
27.5°	1506.0	1506.0	1507.0	1507.0	1505.0	1516.0	1471.8	1309.9	1133.0	976.2	862.6
30°	1615.6	1621.6	1619.6	1619.6	1627.6	1634.7	1513.0	1287.8	1076.7	892.7	758.0
32.5°	1747.3	1752.3	1754.3	1745.2	1777.4	1741.2	1528.1	1247.6	1007.3	789.2	633.4
35°	1906.1	1913.1	1918.2	1919.2	1940.3	1833.7	1520.1	1188.3	907.8	659.5	496.6
37.5°	2113.2	2127.3	2138.3	2143.4	2144.4	1912.1	1497.9	1109.9	778.1	514.7	370.0
40°	2388.7	2403.7	2400.7	2410.8	2353.5	1958.4	1447.7	996.3	617.3	378.0	285.5
42.5°	2654.1	2656.1	2660.1	2651.0	2534.4	1982.5	1377.3	857.5	462.4	282.5	244.3
45°	2950.6	2933.5	2914.4	2900.4	2701.3	1991.5	1280.8	688.6	326.7	237.3	226.2
47.5°	3229.1	3206.0	3166.8	3126.6	2850.1	1977.5	1157.1	515.7	248.3	217.2	214.1
50°	3502.6	3459.3	3404.0	3357.8	2992.9	1956.4	1020.4	372.0	217.2	207.1	204.1
52.5°	3841.3	3769.0	3696.6	3636.3	3178.8	1923.2	876.6	282.5	204.1	199.1	195.0
55°	4305.8	4205.3	4088.7	4004.2	3431.2	1872.9	725.8	239.3	198.0	194.0	188.0
57.5°	4949.2	4798.4	4666.7	4529.0	3776.0	1821.6	596.2	222.2	197.0	191.0	183.0
60°	5606.7	5425.7	5257.8	5060.8	4127.9	1770.4	505.7	220.2	200.1	191.0	178.9
62.5°	5948.5	5761.5	5559.4	5359.4	4279.7	1649.7	443.3	223.2	207.1	194.0	178.9
65°	5870.1	5641.9	5436.8	5232.7	4103.7	1421.5	375.0	227.2	221.2	206.1	182.0
67°	5476.0	5237.7	5040.7	4845.7	3711.7	1190.3	321.7	231.2	236.3	220.2	188.0
67.5°	5337.3	5099.0	4905.0	4715.0	3596.0	1142.0	308.6	233.2	239.3	224.2	190.0
70°	4425.4	4250.5	4044.4	3897.6	2911.4	845.5	253.3	237.3	257.4	247.3	199.1
72.5°	3184.9	3018.0	2863.2	2781.7	2144.4	591.1	213.1	233.2	268.4	260.4	203.1
75°	1693.0	1682.9	1626.6	1666.8	1327.0	386.0	188.0	218.2	256.4	238.3	189.0
77.5°	341.8	351.9	413.2	407.2	428.3	215.1	160.9	187.0	198.0	174.9	153.8
80°	158.8	155.8	152.8	154.8	151.8	137.7	130.7	146.8	137.7	112.6	102.5
82.5°	98.5	96.5	93.5	92.5	102.5	109.6	114.6	115.6	91.5	78.4	75.4
85°	47.3	47.3	46.2	48.3	60.3	89.5	96.5	85.5	61.3	56.3	53.3
87.5°	9.0	9.0	10.1	9.0	12.1	21.1	24.1	28.1	23.1	24.1	27.1
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: P151244

CATALOG NUMBER: TLM-F04-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1000.3	1000.3	1000.3
2.5°	970.1	968.1	968.1
5°	950.0	949.0	949.0
7.5°	945.0	946.0	945.0
10°	964.1	963.1	967.1
12.5°	1006.3	1009.3	1008.3
15°	1050.6	1052.6	1052.6
17.5°	1063.6	1056.6	1055.6
20°	1029.5	1016.4	1013.4
22.5°	965.1	941.0	942.0
25°	883.7	854.5	856.5
27.5°	789.2	758.0	757.0
30°	675.6	641.4	624.3
32.5°	538.9	497.6	497.6
35°	405.1	372.0	359.9
37.5°	307.6	288.5	282.5
40°	256.4	247.3	245.3
42.5°	233.2	230.2	229.2
45°	221.2	219.2	218.2
47.5°	210.1	209.1	208.1
50°	202.1	201.1	200.1
52.5°	195.0	193.0	192.0
55°	185.0	185.0	185.0
57.5°	178.9	178.9	177.9
60°	172.9	171.9	171.9
62.5°	167.9	165.9	166.9
65°	164.9	161.9	161.9
67°	162.9	156.8	156.8
67.5°	162.9	154.8	154.8
70°	159.8	146.8	144.8
72.5°	156.8	137.7	134.7
75°	148.8	130.7	127.7
77.5°	127.7	116.6	114.6
80°	98.5	85.5	87.5
82.5°	71.4	61.3	60.3
85°	51.3	44.2	44.2
87.5°	27.1	23.1	24.1
90°	0.0	0.0	0.0

(END OF REPORT)