

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: P150105

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P150105
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
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10088.2 lumens
Efficiency: N/A
Efficacy: 98.7 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

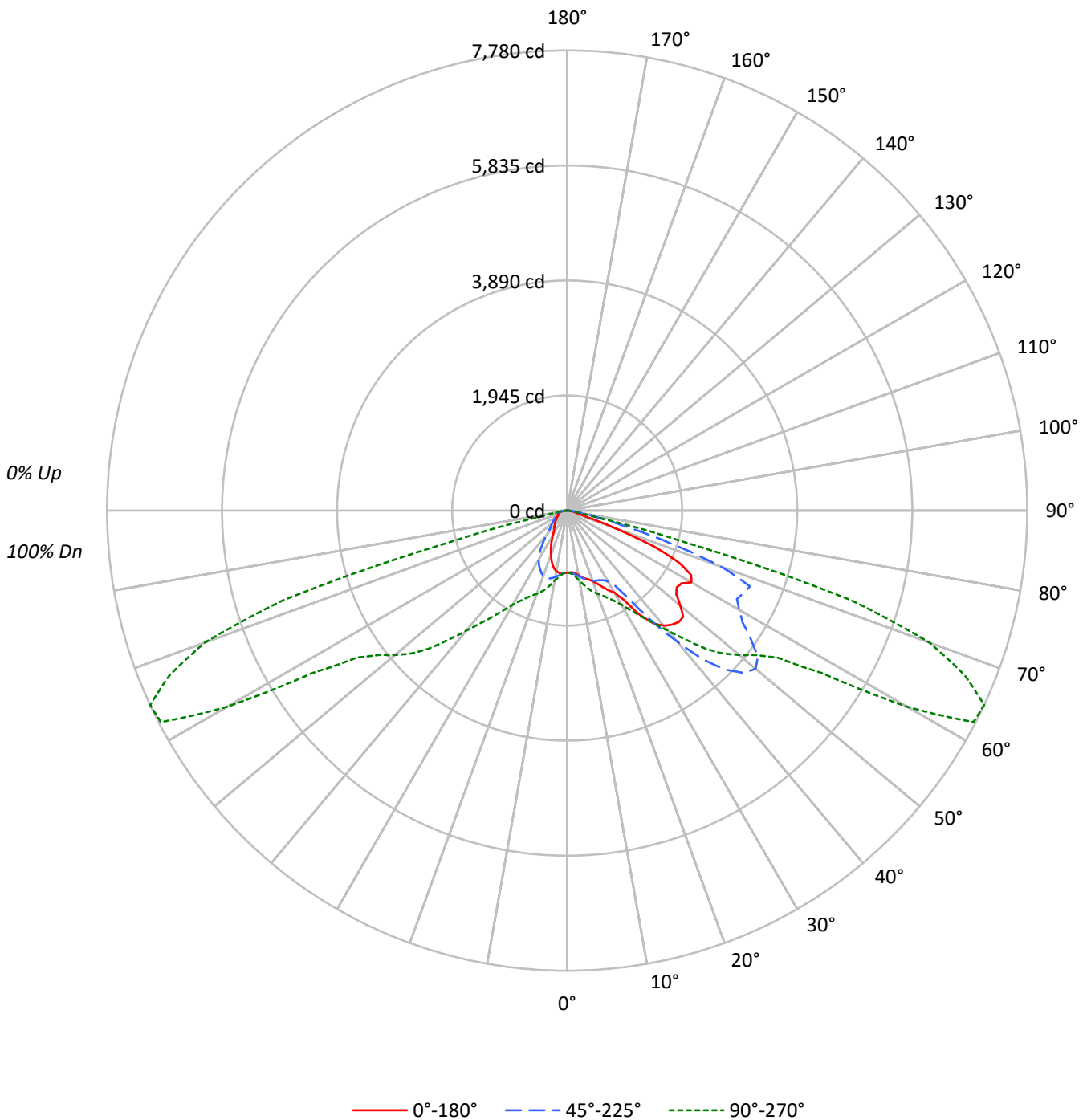
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

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	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°	16870	16870	16870
5°	16882	17503	17219
10°	18064	19627	17005
15°	19791	22665	15817
20°	21697	25575	13662
25°	25306	28857	11297
30°	29689	33998	8923
35°	42333	42873	7447
40°	53254	55471	6925
45°	60595	74999	6577
50°	62421	94965	6218
55°	63324	121099	6042
60°	77911	213048	6012
65°	79583	295740	6318
70°	38156	306129	7187
75°	10521	126057	8746
80°	8863	17615	8660
85°	5880	10949	9327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	1.0
10°-20°	341.3	3.4
20°-30°	589.5	5.8
30°-40°	975.8	9.7
40°-50°	1655.0	16.4
50°-60°	2199.0	21.8
60°-70°	2840.5	28.2
70°-80°	1191.3	11.8
80°-90°	191.4	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°	1035.2	10.3
0°-40°	2011.1	19.9
0°-60°	5865.0	58.1
0°-90°	10088.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10088.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1050	1050	1050	1050	1050	
5°	1047	1064	1085	1079	1068	102
15°	1190	1204	1363	1188	951	339
25°	1428	1297	1628	1089	637	667
35°	2158	1801	2186	770	380	1336
45°	2667	3806	3301	395	290	2025
55°	2261	3793	4324	269	216	2094
65°	2094	3289	7780	214	166	1892
75°	170	946	2031	222	141	273
85°	32	79	59	68	51	43
90°	0	0	0	0	0	



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1046.8	1050.1	1047.9	1050.1	1052.3	1053.4	1055.6	1054.5	1054.5	1055.6	1053.4
5°	1046.8	1046.8	1050.1	1055.6	1057.8	1064.4	1072.1	1071.0	1072.1	1071.0	1073.2
7.5°	1068.8	1067.7	1071.0	1077.6	1079.8	1089.7	1102.9	1105.1	1107.3	1107.3	1110.6
10°	1107.3	1106.2	1109.5	1112.8	1116.1	1123.8	1142.5	1150.2	1151.3	1152.4	1156.8
12.5°	1155.7	1154.6	1150.2	1150.2	1149.1	1163.4	1188.8	1203.1	1205.3	1209.7	1213.0
15°	1189.9	1186.6	1180.0	1175.5	1181.1	1204.2	1241.6	1258.1	1260.3	1263.6	1272.4
17.5°	1222.9	1219.6	1205.3	1194.3	1202.0	1239.4	1290.0	1307.6	1312.0	1315.3	1325.2
20°	1269.1	1266.9	1246.0	1219.6	1217.4	1265.8	1327.4	1350.6	1353.9	1358.3	1368.2
22.5°	1339.6	1329.6	1305.4	1255.9	1231.7	1281.2	1353.9	1385.8	1390.2	1394.6	1407.8
25°	1427.6	1423.2	1381.4	1305.4	1254.8	1296.6	1382.5	1422.1	1428.7	1434.2	1451.8
27.5°	1519.0	1512.4	1467.2	1368.2	1295.5	1327.4	1427.6	1472.7	1481.5	1490.3	1506.9
30°	1600.4	1598.2	1560.8	1452.9	1361.6	1385.8	1500.3	1555.3	1565.2	1576.2	1591.6
32.5°	1791.9	1793.0	1754.5	1644.4	1521.2	1491.4	1604.8	1687.4	1691.8	1705.0	1732.5
35°	2158.5	2162.9	2148.6	2061.6	1922.9	1800.7	1811.8	1893.2	1897.6	1908.6	1935.0
37.5°	2403.9	2412.7	2456.8	2484.3	2413.8	2357.7	2217.9	2186.0	2189.3	2182.7	2177.2
40°	2539.3	2552.5	2668.1	2811.2	2888.2	2889.3	2828.8	2687.9	2634.0	2618.6	2552.5
42.5°	2616.4	2638.4	2802.4	3046.7	3268.0	3419.9	3457.3	3301.0	3261.4	3190.9	3064.3
45°	2667.0	2693.4	2887.1	3221.7	3547.6	3806.2	4001.0	3931.7	3905.3	3862.4	3745.7
47.5°	2658.2	2679.1	2880.5	3281.2	3693.9	4061.6	4407.2	4478.7	4446.8	4435.8	4356.6
50°	2497.5	2516.2	2720.9	3133.7	3613.6	4158.4	4664.8	4867.3	4867.3	4888.2	4864.0
52.5°	2325.8	2341.2	2527.2	2898.1	3353.8	4063.8	4807.9	5143.6	5187.6	5223.9	5281.2
55°	2260.8	2279.5	2420.4	2737.4	3132.6	3793.0	4856.3	5350.5	5432.0	5493.6	5623.5
57.5°	2291.7	2310.4	2410.5	2650.5	3002.7	3516.7	4858.5	5629.0	5786.4	5913.0	6176.0
60°	2424.8	2442.5	2526.1	2730.8	2968.6	3357.1	4764.9	6072.6	6323.5	6561.3	6999.4
62.5°	2363.2	2385.2	2507.4	2864.0	3222.8	3236.1	4427.0	6416.0	6819.9	7171.1	7867.8
65°	2093.5	2116.6	2212.4	2545.9	3238.3	3288.9	3926.2	6422.6	6924.5	7398.9	8150.7
67.5°	1589.4	1598.2	1674.2	1941.6	2589.9	3347.2	3411.1	5662.0	6139.7	6669.1	7445.1
70°	812.3	827.7	849.7	1072.1	1667.6	2766.1	2931.2	4172.8	4781.4	5328.5	6260.8
72.5°	281.8	287.3	309.3	409.5	812.3	1815.1	2565.7	2859.6	3227.3	3739.1	4818.9
75°	169.5	169.5	177.2	206.9	370.9	945.5	2282.9	2335.7	2385.2	2556.9	3263.6
77.5°	134.3	136.5	136.5	142.0	205.8	485.4	1733.6	2171.7	2178.3	2194.8	2313.7
80°	95.8	100.2	109.0	113.4	133.2	266.4	973.0	1906.4	2036.3	2099.0	2186.0
82.5°	71.5	75.9	92.5	98.0	103.5	148.6	437.0	1315.3	1552.0	1677.5	1983.5
85°	31.9	37.4	62.7	69.3	72.6	79.3	204.7	374.2	430.4	483.2	637.3
87.5°	5.5	5.5	9.9	14.3	20.9	19.8	45.1	63.8	64.9	75.9	84.8
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°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1053.4	1053.4	1053.4	1052.3	1053.4	1053.4	1053.4	1053.4	1054.5	1054.5	1054.5
5°	1076.5	1074.3	1075.4	1075.4	1075.4	1074.3	1076.5	1075.4	1076.5	1079.8	1078.7
7.5°	1110.6	1112.8	1113.9	1115.0	1115.0	1115.0	1116.1	1118.3	1118.3	1121.6	1120.5
10°	1161.2	1160.1	1161.2	1164.5	1167.8	1168.9	1172.2	1171.1	1173.3	1177.7	1182.2
12.5°	1215.2	1217.4	1220.7	1224.0	1229.5	1230.6	1233.9	1235.0	1241.6	1241.6	1246.0
15°	1275.7	1276.8	1283.4	1284.5	1291.1	1293.3	1298.8	1301.0	1308.7	1309.8	1314.2
17.5°	1330.7	1332.9	1336.2	1339.6	1347.3	1350.6	1355.0	1359.4	1366.0	1368.2	1375.9
20°	1374.8	1379.2	1380.3	1386.9	1393.5	1397.9	1402.3	1406.7	1413.3	1416.6	1424.3
22.5°	1414.4	1418.8	1422.1	1427.6	1432.0	1438.6	1440.8	1448.5	1455.1	1460.6	1467.2
25°	1457.3	1463.9	1467.2	1477.1	1480.4	1487.0	1492.5	1500.3	1509.1	1515.7	1524.5
27.5°	1517.9	1527.8	1532.2	1543.2	1550.9	1554.2	1563.0	1574.0	1581.7	1589.4	1598.2
30°	1601.5	1620.2	1623.5	1631.2	1645.5	1647.7	1658.8	1667.6	1679.7	1687.4	1695.1
32.5°	1731.4	1754.5	1756.7	1765.5	1777.6	1782.0	1790.8	1800.7	1819.5	1822.8	1834.9
35°	1930.6	1940.5	1949.3	1952.6	1962.5	1968.1	1974.7	1985.7	2004.4	2002.2	2015.4
37.5°	2169.5	2172.8	2173.9	2162.9	2165.1	2155.2	2167.3	2169.5	2176.1	2181.6	2194.8
40°	2510.7	2476.6	2472.2	2445.8	2419.3	2405.0	2399.5	2377.5	2383.0	2385.2	2396.2
42.5°	3009.3	2943.3	2888.2	2850.8	2785.9	2754.0	2711.0	2676.9	2650.5	2660.4	2664.8
45°	3641.1	3546.5	3458.4	3343.9	3259.2	3198.6	3122.7	3054.4	3023.6	3009.3	3026.9
47.5°	4271.8	4188.2	4084.7	3966.9	3832.6	3732.5	3605.9	3494.7	3417.7	3389.1	3404.5
50°	4816.7	4739.6	4661.5	4592.1	4435.8	4326.9	4154.0	4009.8	3888.8	3827.1	3810.6
52.5°	5269.1	5228.3	5186.5	5128.2	5002.7	4893.7	4756.1	4614.1	4453.4	4328.0	4285.0
55°	5673.0	5697.2	5676.3	5677.4	5627.9	5558.5	5441.9	5336.2	5223.9	5081.9	5022.5
57.5°	6261.9	6405.0	6433.6	6505.1	6540.4	6577.8	6610.8	6548.1	6519.4	6413.8	6414.9
60°	7189.8	7398.9	7580.5	7745.6	7881.0	8013.1	8151.8	8213.4	8281.7	8313.6	8422.6
62.5°	8177.1	8376.3	8647.1	8868.3	8992.7	9164.4	9315.2	9413.2	9533.2	9660.8	9827.0
65°	8421.5	8661.4	8832.0	8979.5	9102.8	9194.1	9276.7	9393.4	9493.5	9696.1	9892.0
67.5°	7795.2	7986.7	8143.0	8288.3	8384.0	8461.1	8534.8	8611.9	8783.6	8967.4	9164.4
70°	6691.2	6922.3	7181.0	7369.2	7416.5	7482.6	7553.0	7653.2	7739.0	7931.6	8081.3
72.5°	5375.8	5708.2	5927.3	6188.1	6244.3	6344.4	6384.1	6462.2	6477.6	6582.2	6621.8
75°	3746.8	4127.6	4347.8	4539.3	4576.7	4521.7	4543.7	4267.4	4197.0	4139.7	4093.5
77.5°	2473.3	2575.6	2610.9	2580.0	2432.5	2317.0	2193.7	2072.6	2085.8	1987.9	1816.2
80°	2199.2	2222.3	2190.4	2159.6	2074.8	1953.7	1842.6	1729.2	1673.1	1613.6	1525.6
82.5°	2139.8	2228.9	2238.8	2201.4	2134.3	2002.2	1867.9	1699.5	1556.4	1424.3	1290.0
85°	715.5	870.7	940.0	1004.9	1024.8	1047.9	968.6	860.7	730.9	643.9	504.1
87.5°	91.4	113.4	131.0	112.3	131.0	154.1	111.2	124.4	125.5	78.1	58.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1055.6	1054.5	1054.5	1054.5	1053.4	1054.5	1054.5	1054.5	1054.5	1054.5	1053.4
5°	1079.8	1079.8	1083.1	1084.2	1082.0	1080.9	1082.0	1083.1	1083.1	1082.0	1083.1
7.5°	1124.9	1126.0	1128.2	1131.5	1129.3	1130.4	1131.5	1130.4	1133.7	1134.8	1133.7
10°	1182.2	1184.4	1189.9	1191.0	1189.9	1194.3	1195.4	1193.2	1195.4	1195.4	1199.8
12.5°	1248.2	1250.4	1257.0	1259.2	1261.4	1262.5	1265.8	1266.9	1270.2	1272.4	1275.7
15°	1319.7	1321.9	1326.3	1334.0	1336.2	1338.5	1340.7	1347.3	1348.4	1352.8	1356.1
17.5°	1380.3	1383.6	1390.2	1395.7	1399.0	1404.5	1406.7	1414.4	1416.6	1423.2	1428.7
20°	1428.7	1434.2	1439.7	1446.3	1451.8	1458.4	1460.6	1468.3	1472.7	1476.0	1482.6
22.5°	1472.7	1479.3	1487.0	1494.8	1499.2	1508.0	1511.3	1514.6	1524.5	1528.9	1535.5
25°	1530.0	1536.6	1545.4	1555.3	1559.7	1570.7	1574.0	1579.5	1590.5	1594.9	1604.8
27.5°	1608.1	1616.9	1623.5	1633.4	1638.9	1646.6	1654.4	1661.0	1670.9	1677.5	1688.5
30°	1706.1	1712.7	1723.7	1731.4	1740.2	1751.2	1760.0	1766.6	1772.1	1782.0	1794.1
32.5°	1850.3	1851.4	1854.7	1873.4	1882.2	1891.0	1903.1	1908.6	1917.4	1927.3	1940.5
35°	2029.7	2039.6	2047.3	2056.1	2066.0	2075.9	2080.3	2096.8	2104.5	2117.7	2131.0
37.5°	2208.0	2209.1	2226.7	2232.2	2241.0	2250.9	2266.3	2282.9	2302.7	2315.9	2336.8
40°	2399.5	2408.3	2430.3	2441.4	2452.4	2476.6	2488.7	2515.1	2548.1	2566.8	2602.1
42.5°	2676.9	2690.1	2729.7	2747.3	2773.8	2813.4	2838.7	2875.0	2888.2	2933.4	2949.9
45°	3040.1	3080.9	3138.1	3175.5	3222.8	3265.8	3287.8	3304.3	3324.1	3359.3	3354.9
47.5°	3433.1	3485.9	3549.8	3626.8	3657.6	3708.3	3736.9	3768.8	3751.2	3742.4	3733.6
50°	3835.9	3897.6	3982.3	4051.7	4099.0	4129.8	4154.0	4149.6	4112.2	4092.4	4037.4
52.5°	4283.9	4320.2	4400.6	4460.0	4488.7	4495.3	4489.8	4456.7	4421.5	4358.8	4293.8
55°	4970.8	4954.3	4986.2	5013.7	5004.9	5035.7	4956.5	4925.6	4838.7	4757.2	4670.3
57.5°	6366.4	6388.5	6210.1	6129.8	6115.5	6144.1	6004.3	5986.7	5776.5	5750.1	5603.7
60°	8407.1	8515.0	8375.2	8297.1	8085.7	8016.4	7860.1	7795.2	7593.7	7430.8	7225.0
62.5°	9941.5	10039.5	10097.8	9986.7	9863.4	9681.8	9445.1	9183.1	8969.6	8719.7	8501.8
65°	10080.2	10278.3	10412.6	10464.4	10377.4	10178.2	9886.5	9556.3	9229.4	8915.7	8640.5
67.5°	9431.9	9609.1	9817.1	10003.2	10014.2	9884.3	9635.5	9299.8	8922.3	8534.8	8212.3
70°	8318.0	8540.3	8721.9	8917.9	9054.4	8979.5	8855.1	8546.9	8155.1	7853.5	7482.6
72.5°	6764.9	6858.5	6902.5	7095.1	7097.3	6960.8	6872.8	6702.2	6386.3	6172.7	5889.8
75°	3950.4	3744.6	3525.5	3335.1	3179.9	3115.0	2826.6	2778.2	2584.4	2464.5	2288.4
77.5°	1629.0	1445.2	1208.6	1011.5	816.7	728.7	601.0	544.8	472.2	440.3	419.4
80°	1396.8	1222.9	1044.6	874.0	722.1	570.2	443.6	344.5	270.8	230.0	213.5
82.5°	1140.3	1035.8	911.4	818.9	700.0	586.7	495.3	384.1	287.3	211.3	161.8
85°	411.7	337.9	271.9	249.9	199.2	164.0	137.6	117.8	96.9	77.0	68.2
87.5°	46.2	44.0	25.3	24.2	27.5	19.8	23.1	20.9	17.6	15.4	16.5
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: P150105

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

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1053.4	1053.4	1054.5	1054.5	1055.6	1056.7	1058.9	1057.8	1057.8	1058.9	1058.9
5°	1083.1	1086.4	1085.3	1085.3	1085.3	1086.4	1087.5	1083.1	1078.7	1074.3	1072.1
7.5°	1134.8	1137.0	1139.2	1137.0	1139.2	1138.1	1135.9	1123.8	1109.5	1091.9	1079.8
10°	1202.0	1202.0	1204.2	1203.1	1207.5	1204.2	1197.6	1170.0	1139.2	1101.8	1074.3
12.5°	1274.6	1282.3	1279.0	1280.1	1288.9	1280.1	1264.7	1224.0	1168.9	1108.4	1060.0
15°	1360.5	1363.8	1366.0	1362.7	1368.2	1360.5	1332.9	1268.0	1187.7	1102.9	1031.4
17.5°	1430.9	1432.0	1433.1	1435.3	1443.0	1434.2	1386.9	1298.8	1192.1	1077.6	982.9
20°	1485.9	1491.4	1495.9	1495.9	1506.9	1493.6	1430.9	1314.2	1177.7	1035.8	921.3
22.5°	1543.2	1547.6	1553.1	1554.2	1568.5	1555.3	1467.2	1310.9	1140.3	976.3	849.7
25°	1613.6	1618.0	1622.4	1627.9	1647.7	1629.0	1503.6	1297.7	1088.6	905.9	772.7
27.5°	1695.1	1705.0	1708.3	1717.1	1740.2	1711.6	1534.4	1277.9	1031.4	824.4	691.2
30°	1804.0	1816.2	1820.6	1832.7	1864.6	1801.8	1552.0	1243.8	958.7	741.9	604.3
32.5°	1950.4	1967.0	1980.2	1993.4	2029.7	1892.1	1554.2	1194.3	874.0	649.4	520.6
35°	2142.0	2167.3	2177.2	2186.0	2220.1	1990.1	1544.3	1120.5	770.5	554.8	454.6
37.5°	2356.6	2381.9	2388.5	2392.9	2399.5	2073.7	1520.1	1008.2	653.8	472.2	401.8
40°	2620.8	2642.8	2651.6	2645.0	2609.8	2138.7	1466.1	877.3	540.4	416.1	368.7
42.5°	2943.3	2976.3	2979.6	2949.9	2833.2	2175.0	1358.3	723.2	451.3	375.3	343.4
45°	3342.8	3340.6	3321.9	3301.0	3076.5	2160.7	1207.5	588.9	395.2	343.4	320.3
47.5°	3701.7	3664.2	3635.6	3574.0	3291.1	2077.0	1012.6	487.6	361.0	319.2	300.5
50°	3995.5	3927.3	3866.8	3799.6	3450.7	1928.4	818.9	413.9	329.1	298.3	281.8
52.5°	4227.8	4145.2	4074.8	4008.7	3604.8	1763.3	671.4	359.9	298.3	277.4	260.9
55°	4591.0	4508.5	4396.2	4323.5	3840.3	1611.4	575.7	317.0	268.6	255.4	238.9
57.5°	5510.1	5437.5	5303.2	5115.0	4445.7	1554.2	521.7	284.0	244.4	236.7	223.4
60°	7114.9	6997.1	6822.1	6630.6	5676.3	1592.7	478.8	260.9	227.8	221.2	211.3
62.5°	8325.7	8118.8	7920.6	7743.4	6660.3	1591.6	422.7	243.3	215.7	212.4	202.5
65°	8375.2	8165.0	7965.8	7779.7	6682.3	1416.6	356.6	227.8	213.5	212.4	195.9
67.5°	7930.5	7702.7	7510.1	7275.6	6185.9	1107.3	286.2	217.9	222.3	220.1	193.7
70°	7204.1	6906.9	6748.4	6517.2	5444.1	774.9	235.5	221.2	241.1	234.4	197.0
72.5°	5654.3	5429.8	5188.7	5028.0	4261.9	489.8	198.1	223.4	248.8	237.8	205.8
75°	2104.5	2165.1	2066.0	2030.8	2165.1	287.3	176.1	208.0	222.3	205.8	187.1
77.5°	424.9	406.2	385.2	380.8	492.0	177.2	161.8	180.5	170.6	150.8	151.9
80°	203.6	198.1	191.5	190.4	182.7	147.5	149.7	154.1	128.8	116.7	124.4
82.5°	135.4	127.7	125.5	121.1	123.3	132.1	142.0	132.1	99.1	92.5	112.3
85°	62.7	60.5	59.4	59.4	66.0	118.9	117.8	96.9	68.2	66.0	112.3
87.5°	15.4	15.4	16.5	15.4	17.6	35.2	30.8	29.7	25.3	28.6	52.8
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: P150105

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

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1050.1	1050.1	1050.1
2.5°	1057.8	1058.9	1057.8
5°	1067.7	1067.7	1067.7
7.5°	1067.7	1064.4	1063.3
10°	1052.3	1042.4	1042.4
12.5°	1025.9	1009.3	1007.1
15°	976.3	954.3	951.0
17.5°	913.6	883.9	878.4
20°	843.1	805.7	799.1
22.5°	766.1	723.2	719.9
25°	690.1	646.1	637.3
27.5°	605.4	562.5	558.1
30°	520.6	483.2	481.0
32.5°	449.1	426.0	421.6
35°	398.5	385.2	379.7
37.5°	365.4	355.5	354.4
40°	340.1	331.3	330.2
42.5°	319.2	311.5	310.4
45°	298.3	291.7	289.5
47.5°	277.4	270.8	269.7
50°	258.7	249.9	248.8
52.5°	241.1	232.2	230.0
55°	224.5	215.7	215.7
57.5°	210.2	201.4	200.3
60°	197.0	188.2	187.1
62.5°	187.1	176.1	175.0
65°	179.4	168.4	166.2
67.5°	175.0	161.8	158.5
70°	182.7	158.5	153.0
72.5°	183.8	155.2	147.5
75°	177.2	146.4	140.9
77.5°	155.2	131.0	125.5
80°	134.3	101.3	93.6
82.5°	127.7	82.6	71.5
85°	99.1	53.9	50.6
87.5°	56.1	29.7	24.2
90°	0.0	0.0	0.0

(END OF REPORT)