

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: P150099

Luminaire Tested: **TLM-E04-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P150099
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-E04-LED-E1-SL2-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

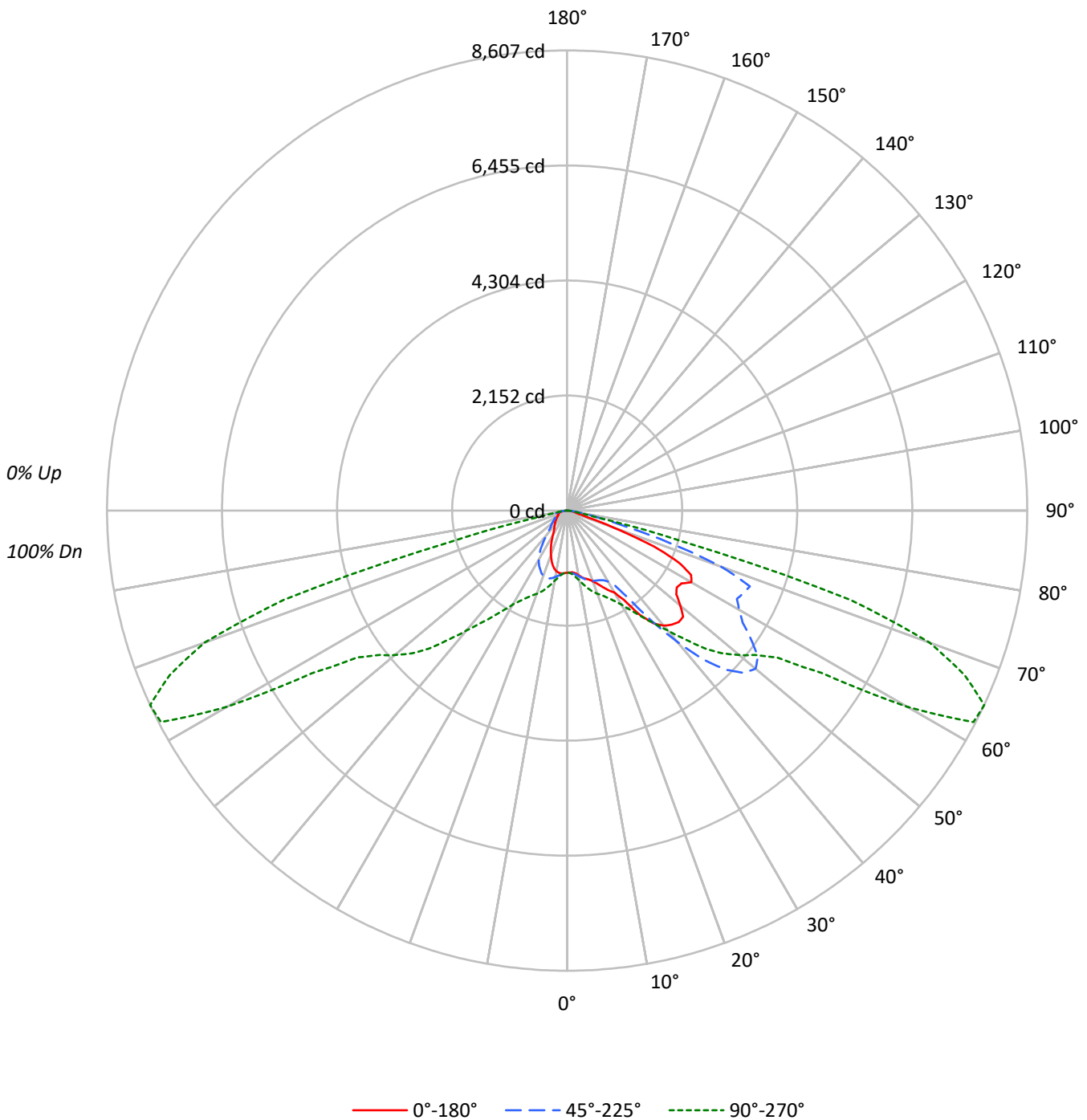
Lumens per Lamp: N/A
Luminaire Lumens: 11161.5 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.99 / 4.45 / 2.31
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 97.2
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	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	90	103	98	93	88	93	89	85	89	86	83	85	83	80	78
2	93	83	74	67	90	81	73	66	77	70	64	74	68	63	70	66	61	59
3	82	69	59	51	80	68	58	51	64	56	50	61	54	49	59	53	48	45
4	74	59	48	40	71	57	47	40	55	46	39	52	45	38	50	43	38	35
5	66	51	40	32	64	50	39	32	47	38	31	45	37	31	43	36	30	28
6	60	44	34	26	58	43	33	26	41	32	26	40	32	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	34	25	19	33	24	18	32	24	18	30	23	18	16
9	47	32	22	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14
10	44	29	20	14	42	28	20	14	27	19	14	26	19	14	25	19	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18665	18665	18665
5°	18677	19365	19051
10°	19986	21715	18814
15°	21895	25075	17500
20°	24005	28295	15115
25°	27999	31927	12499
30°	32848	37614	9873
35°	46836	47435	8239
40°	58921	61373	7661
45°	67040	82978	7277
50°	69062	105068	6878
55°	70063	133983	6686
60°	86201	235714	6651
65°	88053	327204	6991
70°	42214	338700	7952
75°	11639	139464	9677
80°	9798	19493	9576
85°	6507	12129	10323



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	1.0
10°-20°	377.6	3.4
20°-30°	652.2	5.8
30°-40°	1079.7	9.7
40°-50°	1831.1	16.4
50°-60°	2432.9	21.8
60°-70°	3142.7	28.2
70°-80°	1318.1	11.8
80°-90°	211.7	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°	1145.4	10.3
0°-40°	2225.0	19.9
0°-60°	6489.0	58.1
0°-90°	11161.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11161.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1162	1162	1162	1162	1162	
5°	1158	1178	1201	1193	1181	113
15°	1316	1332	1508	1314	1052	375
25°	1580	1435	1801	1204	705	738
35°	2388	1992	2419	852	420	1478
45°	2951	4211	3652	437	320	2241
55°	2501	4196	4784	297	239	2317
65°	2316	3639	8607	236	184	2093
75°	188	1046	2247	246	156	302
85°	35	88	66	76	56	47
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°	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8
2.5°	1158.1	1161.8	1159.3	1161.8	1164.2	1165.4	1167.9	1166.7	1166.7	1167.9	1165.4
5°	1158.1	1158.1	1161.8	1167.9	1170.3	1177.6	1186.1	1184.9	1186.1	1184.9	1187.4
7.5°	1182.5	1181.3	1184.9	1192.2	1194.7	1205.6	1220.2	1222.7	1225.1	1225.1	1228.8
10°	1225.1	1223.9	1227.5	1231.2	1234.8	1243.4	1264.1	1272.6	1273.8	1275.0	1279.9
12.5°	1278.7	1277.5	1272.6	1272.6	1271.4	1287.2	1315.2	1331.1	1333.5	1338.4	1342.0
15°	1316.4	1312.8	1305.5	1300.6	1306.7	1332.3	1373.7	1391.9	1394.4	1398.0	1407.8
17.5°	1353.0	1349.3	1333.5	1321.3	1329.8	1371.2	1427.3	1446.7	1451.6	1455.3	1466.2
20°	1404.1	1401.7	1378.6	1349.3	1346.9	1400.5	1468.7	1494.2	1497.9	1502.8	1513.7
22.5°	1482.1	1471.1	1444.3	1389.5	1362.7	1417.5	1497.9	1533.2	1538.1	1543.0	1557.6
25°	1579.5	1574.6	1528.3	1444.3	1388.3	1434.6	1529.6	1573.4	1580.7	1586.8	1606.3
27.5°	1680.6	1673.3	1623.3	1513.7	1433.4	1468.7	1579.5	1629.4	1639.2	1648.9	1667.2
30°	1770.7	1768.2	1726.8	1607.5	1506.4	1533.2	1659.9	1720.8	1731.7	1743.9	1760.9
32.5°	1982.6	1983.8	1941.2	1819.4	1683.0	1650.1	1775.6	1866.9	1871.8	1886.4	1916.8
35°	2388.1	2393.0	2377.1	2280.9	2127.5	1992.3	2004.5	2094.6	2099.5	2111.7	2140.9
37.5°	2659.7	2669.4	2718.1	2748.6	2670.6	2608.5	2453.9	2418.6	2422.2	2414.9	2408.8
40°	2809.5	2824.1	2951.9	3110.3	3195.5	3196.7	3129.7	2973.9	2914.2	2897.1	2824.1
42.5°	2894.7	2919.1	3100.5	3370.9	3615.6	3783.7	3825.1	3652.2	3608.3	3530.4	3390.4
45°	2950.7	2980.0	3194.3	3564.5	3925.0	4211.2	4426.7	4350.0	4320.8	4273.3	4144.2
47.5°	2941.0	2964.1	3187.0	3630.3	4086.9	4493.7	4876.1	4955.2	4919.9	4907.7	4820.1
50°	2763.2	2783.9	3010.4	3467.1	3998.0	4600.9	5161.0	5385.1	5385.1	5408.3	5381.5
52.5°	2573.2	2590.3	2796.1	3206.5	3710.6	4496.1	5319.4	5690.8	5739.5	5779.7	5843.0
55°	2501.4	2522.1	2677.9	3028.7	3465.9	4196.5	5372.9	5919.7	6009.8	6078.0	6221.7
57.5°	2535.5	2556.2	2667.0	2932.5	3322.2	3890.9	5375.4	6227.8	6402.0	6542.0	6833.1
60°	2682.8	2702.3	2794.9	3021.4	3284.4	3714.3	5271.9	6718.6	6996.3	7259.3	7744.0
62.5°	2614.6	2639.0	2774.1	3168.7	3565.7	3580.3	4898.0	7098.6	7545.5	7934.0	8704.8
65°	2316.3	2341.8	2447.8	2816.8	3582.8	3638.8	4343.9	7105.9	7661.2	8186.1	9017.8
67.5°	1758.5	1768.2	1852.3	2148.2	2865.5	3703.3	3774.0	6264.4	6792.9	7378.7	8237.2
70°	898.7	915.8	940.1	1186.1	1845.0	3060.3	3243.0	4616.7	5290.1	5895.4	6926.8
72.5°	311.8	317.8	342.2	453.0	898.7	2008.2	2838.7	3163.8	3570.6	4136.9	5331.5
75°	187.5	187.5	196.1	228.9	410.4	1046.1	2525.7	2584.2	2639.0	2829.0	3610.8
77.5°	148.6	151.0	151.0	157.1	227.7	537.0	1918.0	2402.7	2410.0	2428.3	2559.8
80°	105.9	110.8	120.6	125.4	147.4	294.7	1076.5	2109.2	2252.9	2322.3	2418.6
82.5°	79.2	84.0	102.3	108.4	114.5	164.4	483.5	1455.3	1717.1	1855.9	2194.5
85°	35.3	41.4	69.4	76.7	80.4	87.7	226.5	414.1	476.2	534.6	705.1
87.5°	6.1	6.1	11.0	15.8	23.1	21.9	49.9	70.6	71.9	84.0	93.8
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°	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8
2.5°	1165.4	1165.4	1165.4	1164.2	1165.4	1165.4	1165.4	1165.4	1166.7	1166.7	1166.7
5°	1191.0	1188.6	1189.8	1189.8	1189.8	1188.6	1191.0	1189.8	1191.0	1194.7	1193.4
7.5°	1228.8	1231.2	1232.4	1233.6	1233.6	1233.6	1234.8	1237.3	1237.3	1240.9	1239.7
10°	1284.8	1283.6	1284.8	1288.4	1292.1	1293.3	1297.0	1295.7	1298.2	1303.0	1307.9
12.5°	1344.5	1346.9	1350.5	1354.2	1360.3	1361.5	1365.2	1366.4	1373.7	1373.7	1378.6
15°	1411.4	1412.6	1420.0	1421.2	1428.5	1430.9	1437.0	1439.4	1448.0	1449.2	1454.1
17.5°	1472.3	1474.8	1478.4	1482.1	1490.6	1494.2	1499.1	1504.0	1511.3	1513.7	1522.3
20°	1521.0	1525.9	1527.1	1534.4	1541.7	1546.6	1551.5	1556.3	1563.7	1567.3	1575.8
22.5°	1564.9	1569.7	1573.4	1579.5	1584.4	1591.7	1594.1	1602.6	1609.9	1616.0	1623.3
25°	1612.4	1619.7	1623.3	1634.3	1637.9	1645.2	1651.3	1659.9	1669.6	1676.9	1686.7
27.5°	1679.3	1690.3	1695.2	1707.4	1715.9	1719.5	1729.3	1741.5	1750.0	1758.5	1768.2
30°	1771.9	1792.6	1796.3	1804.8	1820.6	1823.0	1835.2	1845.0	1858.4	1866.9	1875.4
32.5°	1915.6	1941.2	1943.6	1953.4	1966.7	1971.6	1981.4	1992.3	2013.0	2016.7	2030.1
35°	2136.0	2147.0	2156.7	2160.4	2171.3	2177.4	2184.7	2196.9	2217.6	2215.2	2229.8
37.5°	2400.3	2403.9	2405.2	2393.0	2395.4	2384.5	2397.8	2400.3	2407.6	2413.7	2428.3
40°	2777.8	2740.1	2735.2	2706.0	2676.7	2660.9	2654.8	2630.4	2636.5	2639.0	2651.2
42.5°	3329.5	3256.4	3195.5	3154.1	3082.3	3046.9	2999.4	2961.7	2932.5	2943.4	2948.3
45°	4028.5	3923.8	3826.3	3699.7	3605.9	3538.9	3454.9	3379.4	3345.3	3329.5	3349.0
47.5°	4726.3	4633.7	4519.3	4389.0	4240.4	4129.6	3989.5	3866.5	3781.3	3749.6	3766.7
50°	5329.1	5243.8	5157.4	5080.7	4907.7	4787.2	4596.0	4436.4	4302.5	4234.3	4216.0
52.5°	5829.6	5784.6	5738.3	5673.7	5534.9	5414.3	5262.1	5105.0	4927.2	4788.4	4740.9
55°	6276.5	6303.3	6280.2	6281.4	6226.6	6149.9	6020.8	5903.9	5779.7	5622.6	5556.8
57.5°	6928.1	7086.4	7118.0	7197.2	7236.2	7277.6	7314.1	7244.7	7213.0	7096.1	7097.3
60°	7954.7	8186.1	8387.0	8569.7	8719.5	8865.6	9019.0	9087.2	9162.7	9198.0	9318.6
62.5°	9047.0	9267.5	9567.0	9811.8	9949.4	10139.4	10306.2	10414.6	10547.4	10688.6	10872.5
65°	9317.4	9582.9	9771.6	9934.8	10071.2	10172.3	10263.6	10392.7	10503.5	10727.6	10944.4
67.5°	8624.5	8836.4	9009.3	9170.0	9276.0	9361.2	9442.8	9528.1	9718.0	9921.4	10139.4
70°	7403.0	7658.7	7944.9	8153.2	8205.5	8278.6	8356.5	8467.4	8562.4	8775.5	8941.1
72.5°	5947.7	6315.5	6557.9	6846.5	6908.6	7019.4	7063.2	7149.7	7166.8	7282.4	7326.3
75°	4145.4	4566.8	4810.3	5022.2	5063.6	5002.7	5027.1	4721.4	4643.5	4580.1	4529.0
77.5°	2736.4	2849.7	2888.6	2854.5	2691.3	2563.5	2427.1	2293.1	2307.7	2199.3	2009.4
80°	2433.2	2458.7	2423.4	2389.3	2295.6	2161.6	2038.6	1913.2	1851.1	1785.3	1687.9
82.5°	2367.4	2466.0	2477.0	2435.6	2361.3	2215.2	2066.6	1880.3	1722.0	1575.8	1427.3
85°	791.6	963.3	1040.0	1111.9	1133.8	1159.3	1071.7	952.3	808.6	712.4	557.8
87.5°	101.1	125.4	144.9	124.2	144.9	170.5	123.0	137.6	138.8	86.5	64.5
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°	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8
2.5°	1167.9	1166.7	1166.7	1166.7	1165.4	1166.7	1166.7	1166.7	1166.7	1166.7	1165.4
5°	1194.7	1194.7	1198.3	1199.5	1197.1	1195.9	1197.1	1198.3	1198.3	1197.1	1198.3
7.5°	1244.6	1245.8	1248.2	1251.9	1249.5	1250.7	1251.9	1250.7	1254.3	1255.6	1254.3
10°	1307.9	1310.4	1316.4	1317.7	1316.4	1321.3	1322.5	1320.1	1322.5	1322.5	1327.4
12.5°	1381.0	1383.4	1390.7	1393.2	1395.6	1396.8	1400.5	1401.7	1405.3	1407.8	1411.4
15°	1460.1	1462.6	1467.4	1476.0	1478.4	1480.8	1483.3	1490.6	1491.8	1496.7	1500.3
17.5°	1527.1	1530.8	1538.1	1544.2	1547.8	1553.9	1556.3	1564.9	1567.3	1574.6	1580.7
20°	1580.7	1586.8	1592.9	1600.2	1606.3	1613.6	1616.0	1624.5	1629.4	1633.1	1640.4
22.5°	1629.4	1636.7	1645.2	1653.8	1658.6	1668.4	1672.0	1675.7	1686.7	1691.5	1698.8
25°	1692.7	1700.0	1709.8	1720.8	1725.6	1737.8	1741.5	1747.5	1759.7	1764.6	1775.6
27.5°	1779.2	1788.9	1796.3	1807.2	1813.3	1821.8	1830.4	1837.7	1848.6	1855.9	1868.1
30°	1887.6	1894.9	1907.1	1915.6	1925.3	1937.5	1947.3	1954.6	1960.7	1971.6	1985.0
32.5°	2047.1	2048.3	2052.0	2072.7	2082.4	2092.2	2105.6	2111.7	2121.4	2132.4	2147.0
35°	2245.6	2256.6	2265.1	2274.9	2285.8	2296.8	2301.6	2319.9	2328.4	2343.0	2357.7
37.5°	2442.9	2444.1	2463.6	2469.7	2479.4	2490.4	2507.5	2525.7	2547.6	2562.3	2585.4
40°	2654.8	2664.5	2688.9	2701.1	2713.3	2740.1	2753.4	2782.7	2819.2	2839.9	2878.9
42.5°	2961.7	2976.3	3020.1	3039.6	3068.9	3112.7	3140.7	3180.9	3195.5	3245.4	3263.7
45°	3363.6	3408.6	3471.9	3513.4	3565.7	3613.2	3637.6	3655.8	3677.8	3716.7	3711.9
47.5°	3798.3	3856.8	3927.4	4012.7	4046.8	4102.8	4134.4	4169.7	4150.3	4140.5	4130.8
50°	4244.0	4312.2	4406.0	4482.7	4535.1	4569.2	4596.0	4591.1	4549.7	4527.8	4466.9
52.5°	4739.7	4779.9	4868.8	4934.5	4966.2	4973.5	4967.4	4930.9	4891.9	4822.5	4750.6
55°	5499.6	5481.3	5516.6	5547.1	5537.3	5571.4	5483.8	5449.7	5353.5	5263.3	5167.1
57.5°	7043.8	7068.1	6870.8	6781.9	6766.1	6797.8	6643.1	6623.6	6391.0	6361.8	6199.8
60°	9301.6	9420.9	9266.2	9179.8	8946.0	8869.2	8696.3	8624.5	8401.6	8221.4	7993.6
62.5°	10999.2	11107.6	11172.1	11049.1	10912.7	10711.8	10449.9	10160.1	9923.9	9647.4	9406.3
65°	11152.6	11371.8	11520.4	11577.6	11481.4	11261.0	10938.3	10572.9	10211.3	9864.2	9559.7
67.5°	10435.3	10631.4	10861.6	11067.4	11079.5	10935.8	10660.6	10289.2	9871.5	9442.8	9086.0
70°	9202.9	9448.9	9649.9	9866.6	10017.6	9934.8	9797.2	9456.2	9022.7	8689.0	8278.6
72.5°	7484.6	7588.1	7636.8	7849.9	7852.4	7701.4	7603.9	7415.2	7065.7	6829.4	6516.5
75°	4370.7	4143.0	3900.6	3689.9	3518.2	3446.4	3127.3	3073.7	2859.4	2726.7	2531.8
77.5°	1802.3	1599.0	1337.1	1119.2	903.6	806.2	664.9	602.8	522.4	487.1	464.0
80°	1545.4	1353.0	1155.7	966.9	798.9	630.8	490.8	381.2	299.6	254.5	236.3
82.5°	1261.6	1146.0	1008.3	906.0	774.5	649.1	548.0	425.0	317.8	233.8	179.0
85°	455.5	373.9	300.8	276.4	220.4	181.5	152.2	130.3	107.2	85.2	75.5
87.5°	51.1	48.7	28.0	26.8	30.4	21.9	25.6	23.1	19.5	17.0	18.3
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: P150099

CATALOG NUMBER: TLM-E04-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8
2.5°	1165.4	1165.4	1166.7	1166.7	1167.9	1169.1	1171.5	1170.3	1170.3	1171.5	1171.5
5°	1198.3	1202.0	1200.8	1200.8	1200.8	1202.0	1203.2	1198.3	1193.4	1188.6	1186.1
7.5°	1255.6	1258.0	1260.4	1258.0	1260.4	1259.2	1256.8	1243.4	1227.5	1208.1	1194.7
10°	1329.8	1329.8	1332.3	1331.1	1335.9	1332.3	1325.0	1294.5	1260.4	1219.0	1188.6
12.5°	1410.2	1418.7	1415.1	1416.3	1426.0	1416.3	1399.3	1354.2	1293.3	1226.3	1172.7
15°	1505.2	1508.9	1511.3	1507.6	1513.7	1505.2	1474.8	1402.9	1314.0	1220.2	1141.1
17.5°	1583.1	1584.4	1585.6	1588.0	1596.5	1586.8	1534.4	1437.0	1318.9	1192.2	1087.5
20°	1644.0	1650.1	1655.0	1655.0	1667.2	1652.6	1583.1	1454.1	1303.0	1146.0	1019.3
22.5°	1707.4	1712.2	1718.3	1719.5	1735.4	1720.8	1623.3	1450.4	1261.6	1080.2	940.1
25°	1785.3	1790.2	1795.0	1801.1	1823.0	1802.3	1663.5	1435.8	1204.4	1002.2	854.9
27.5°	1875.4	1886.4	1890.0	1899.8	1925.3	1893.7	1697.6	1413.9	1141.1	912.1	764.8
30°	1996.0	2009.4	2014.2	2027.6	2063.0	1993.5	1717.1	1376.1	1060.7	820.8	668.6
32.5°	2157.9	2176.2	2190.8	2205.4	2245.6	2093.4	1719.5	1321.3	966.9	718.5	576.0
35°	2369.8	2397.8	2408.8	2418.6	2456.3	2201.8	1708.6	1239.7	852.5	613.8	503.0
37.5°	2607.3	2635.3	2642.6	2647.5	2654.8	2294.3	1681.8	1115.5	723.4	522.4	444.5
40°	2899.6	2923.9	2933.7	2926.4	2887.4	2366.2	1622.1	970.6	597.9	460.3	408.0
42.5°	3256.4	3292.9	3296.6	3263.7	3134.6	2406.4	1502.8	800.1	499.3	415.3	380.0
45°	3698.5	3696.0	3675.3	3652.2	3403.8	2390.5	1335.9	651.5	437.2	380.0	354.4
47.5°	4095.5	4054.1	4022.4	3954.2	3641.2	2298.0	1120.4	539.5	399.4	353.2	332.5
50°	4420.6	4345.1	4278.1	4203.8	3817.8	2133.6	906.0	457.9	364.1	330.0	311.8
52.5°	4677.6	4586.2	4508.3	4435.2	3988.3	1950.9	742.9	398.2	330.0	306.9	288.6
55°	5079.4	4988.1	4863.9	4783.5	4248.9	1782.9	636.9	350.7	297.1	282.5	264.3
57.5°	6096.3	6015.9	5867.4	5659.1	4918.7	1719.5	577.2	314.2	270.4	261.8	247.2
60°	7871.9	7741.6	7547.9	7336.0	6280.2	1762.2	529.7	288.6	252.1	244.8	233.8
62.5°	9211.4	8982.5	8763.3	8567.2	7368.9	1760.9	467.6	269.1	238.7	235.0	224.1
65°	9266.2	9033.6	8813.2	8607.4	7393.3	1567.3	394.6	252.1	236.3	235.0	216.8
67.5°	8774.3	8522.2	8309.1	8049.7	6844.0	1225.1	316.6	241.1	246.0	243.6	214.3
70°	7970.5	7641.7	7466.3	7210.6	6023.2	857.3	260.6	244.8	266.7	259.4	218.0
72.5°	6255.8	6007.4	5740.7	5562.9	4715.3	541.9	219.2	247.2	275.2	263.0	227.7
75°	2328.4	2395.4	2285.8	2246.8	2395.4	317.8	194.8	230.2	246.0	227.7	207.0
77.5°	470.1	449.4	426.2	421.4	544.4	196.1	179.0	199.7	188.8	166.8	168.1
80°	225.3	219.2	211.9	210.7	202.2	163.2	165.6	170.5	142.5	129.1	137.6
82.5°	149.8	141.3	138.8	134.0	136.4	146.1	157.1	146.1	109.6	102.3	124.2
85°	69.4	67.0	65.8	65.8	73.1	131.5	130.3	107.2	75.5	73.1	124.2
87.5°	17.0	17.0	18.3	17.0	19.5	39.0	34.1	32.9	28.0	31.7	58.5
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: P150099

CATALOG NUMBER: TLM-E04-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1161.8	1161.8	1161.8
2.5°	1170.3	1171.5	1170.3
5°	1181.3	1181.3	1181.3
7.5°	1181.3	1177.6	1176.4
10°	1164.2	1153.3	1153.3
12.5°	1135.0	1116.7	1114.3
15°	1080.2	1055.8	1052.2
17.5°	1010.8	977.9	971.8
20°	932.8	891.4	884.1
22.5°	847.6	800.1	796.4
25°	763.6	714.8	705.1
27.5°	669.8	622.3	617.4
30°	576.0	534.6	532.2
32.5°	496.9	471.3	466.4
35°	440.8	426.2	420.1
37.5°	404.3	393.3	392.1
40°	376.3	366.6	365.3
42.5°	353.2	344.6	343.4
45°	330.0	322.7	320.3
47.5°	306.9	299.6	298.4
50°	286.2	276.4	275.2
52.5°	266.7	257.0	254.5
55°	248.4	238.7	238.7
57.5°	232.6	222.9	221.6
60°	218.0	208.2	207.0
62.5°	207.0	194.8	193.6
65°	198.5	186.3	183.9
67.5°	193.6	179.0	175.4
70°	202.2	175.4	169.3
72.5°	203.4	171.7	163.2
75°	196.1	162.0	155.9
77.5°	171.7	144.9	138.8
80°	148.6	112.0	103.5
82.5°	141.3	91.3	79.2
85°	109.6	59.7	56.0
87.5°	62.1	32.9	26.8
90°	0.0	0.0	0.0

(END OF REPORT)