

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: P154560

Luminaire Tested: **TLM-E04-LED-E1-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154560
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
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-T2
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

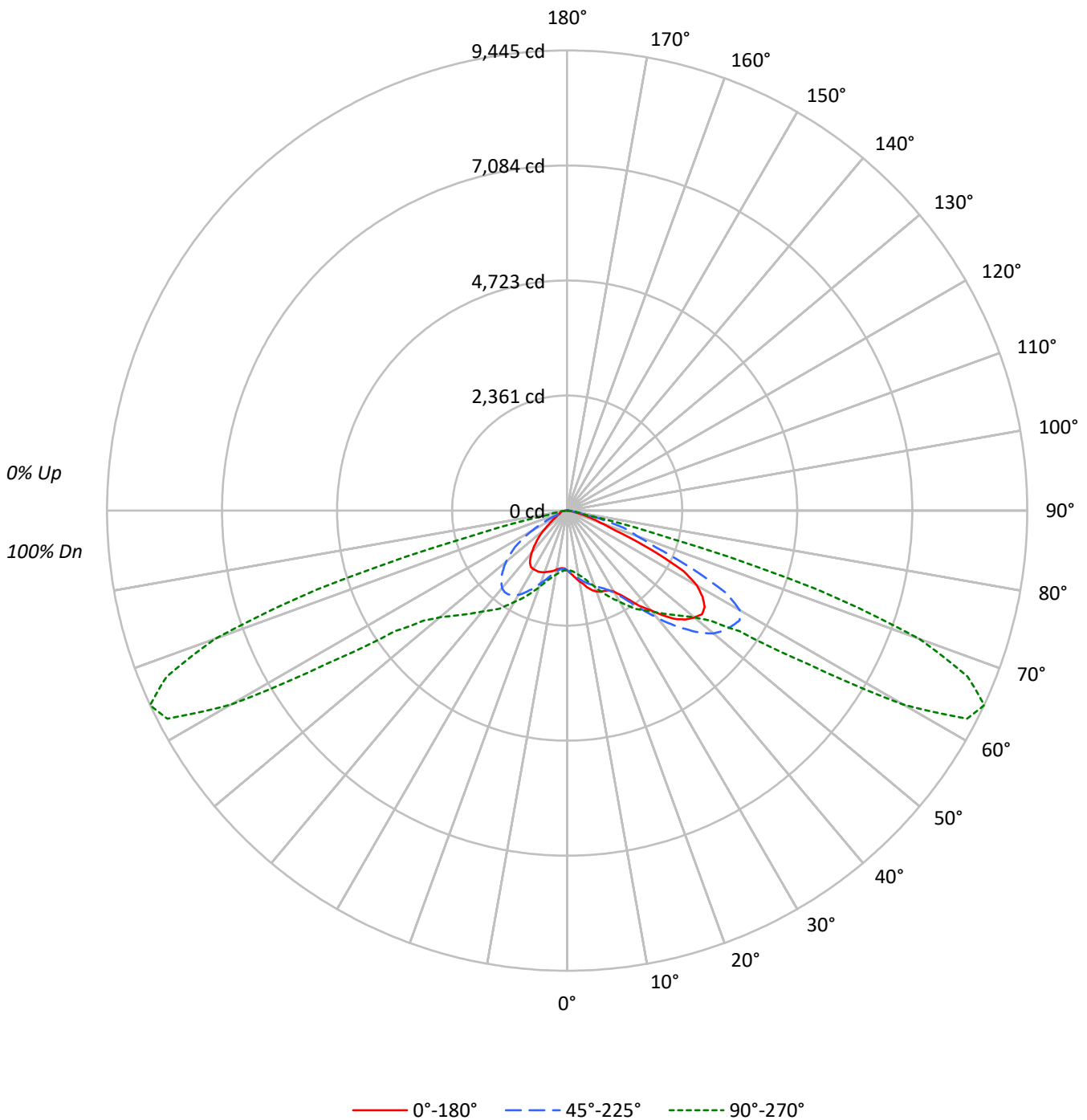
Lumens per Lamp: N/A
Luminaire Lumens: 12255.4 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

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	107	101	96	91	104	98	94	90	94	90	87	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	71	61	53	81	69	60	53	66	58	51	63	56	50	60	54	50	47
4	75	60	50	42	72	59	49	41	56	48	41	54	46	40	51	45	39	37
5	67	52	42	34	65	51	41	33	49	40	33	46	39	33	44	38	32	30
6	61	46	35	28	59	45	35	27	43	34	27	41	33	27	39	32	27	24
7	56	40	30	23	54	40	30	23	38	29	23	36	28	23	35	28	22	20
8	52	36	26	20	50	35	26	20	34	26	19	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	28	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19685	19685	19685
5°	21525	20170	19138
10°	24079	21816	19989
15°	27277	24371	21489
20°	30249	28539	23024
25°	32214	33916	24533
30°	35568	40094	25725
35°	44036	48378	26071
40°	55897	56736	23740
45°	71584	68644	20023
50°	85278	85046	15628
55°	96540	120889	11128
60°	98835	255378	8740
65°	72683	359057	7348
70°	34511	361251	7267
75°	18789	134157	8858
80°	8882	21464	11352
85°	4184	13272	13272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	1.0
10°-20°	421.5	3.4
20°-30°	828.0	6.8
30°-40°	1375.8	11.2
40°-50°	2021.6	16.5
50°-60°	2798.8	22.8
60°-70°	3340.6	27.3
70°-80°	1181.4	9.6
80°-90°	165.1	1.3
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°	1372.1	11.2
0°-40°	2747.9	22.4
0°-60°	7568.3	61.8
0°-90°	12255.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12255.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1225	1225	1225	1225	1225	
5°	1335	1309	1251	1203	1187	132
15°	1640	1537	1465	1407	1292	467
25°	1817	1763	1913	1799	1384	847
35°	2245	2321	2467	2101	1329	1435
45°	3151	3439	3021	1904	881	2411
55°	3447	4132	4316	1301	397	3020
65°	1912	2849	9445	403	193	1864
75°	303	857	2161	161	143	373
85°	23	47	72	123	72	32
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°	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3
2.5°	1278.7	1280.0	1277.3	1276.0	1272.0	1265.3	1260.0	1254.7	1254.7	1254.7	1250.7
5°	1334.7	1337.3	1332.0	1328.0	1316.0	1309.3	1300.0	1293.3	1290.7	1289.3	1285.3
7.5°	1405.3	1401.3	1393.3	1390.7	1381.3	1366.7	1349.3	1336.0	1336.0	1334.7	1336.0
10°	1476.0	1465.3	1461.3	1457.3	1442.7	1424.0	1404.0	1389.3	1388.0	1386.7	1382.7
12.5°	1546.7	1542.7	1538.7	1524.0	1509.3	1480.0	1457.3	1442.7	1441.3	1442.7	1437.3
15°	1640.0	1630.7	1626.7	1601.3	1569.3	1537.3	1509.3	1496.0	1492.0	1493.3	1489.3
17.5°	1712.0	1712.0	1702.7	1674.7	1633.3	1589.3	1560.0	1552.0	1550.7	1550.7	1552.0
20°	1769.3	1768.0	1758.7	1736.0	1686.7	1642.7	1628.0	1625.3	1624.0	1624.0	1628.0
22.5°	1801.3	1798.7	1794.7	1769.3	1730.7	1701.3	1702.7	1710.7	1713.3	1716.0	1721.3
25°	1817.3	1813.3	1812.0	1794.7	1766.7	1762.7	1786.7	1808.0	1813.3	1818.7	1825.3
27.5°	1844.0	1837.3	1840.0	1833.3	1826.7	1838.7	1888.0	1910.7	1914.7	1921.3	1925.3
30°	1917.3	1914.7	1925.3	1928.0	1933.3	1950.7	1996.0	2017.3	2026.7	2026.7	2045.3
32.5°	2057.3	2058.7	2061.3	2089.3	2098.7	2110.7	2134.7	2152.0	2153.3	2154.7	2172.0
35°	2245.3	2253.3	2276.0	2300.0	2322.7	2321.3	2306.7	2316.0	2309.3	2317.3	2318.7
37.5°	2482.7	2472.0	2505.3	2560.0	2594.7	2585.3	2520.0	2477.3	2489.3	2484.0	2480.0
40°	2665.3	2677.3	2741.3	2813.3	2840.0	2869.3	2784.0	2710.7	2700.0	2680.0	2668.0
42.5°	2917.3	2918.7	2970.7	3024.0	3101.3	3165.3	3110.7	3005.3	2973.3	2949.3	2897.3
45°	3150.7	3146.7	3189.3	3254.7	3346.7	3438.7	3458.7	3344.0	3332.0	3289.3	3221.3
47.5°	3306.7	3301.3	3330.7	3416.0	3565.3	3716.0	3798.7	3764.0	3741.3	3724.0	3617.3
50°	3412.0	3401.3	3434.7	3525.3	3692.0	3924.0	4140.0	4169.3	4160.0	4160.0	4092.0
52.5°	3490.7	3490.7	3514.7	3588.0	3757.3	4046.7	4433.3	4581.3	4593.3	4606.7	4602.7
55°	3446.7	3453.3	3513.3	3620.0	3798.7	4132.0	4676.0	5000.0	5066.7	5122.7	5186.7
57.5°	3296.0	3318.7	3398.7	3573.3	3809.3	4196.0	4945.3	5586.7	5774.7	5937.3	6190.7
60°	3076.0	3105.3	3221.3	3444.0	3730.7	4092.0	5040.0	6082.7	6381.3	6736.0	7397.3
62.5°	2698.7	2728.0	2841.3	3064.0	3309.3	3693.3	4648.0	6156.0	6633.3	7136.0	8136.0
65°	1912.0	1865.3	1996.0	2196.0	2477.3	2849.3	3756.0	5664.0	6350.7	7032.0	8266.7
67.5°	1065.3	1061.3	1141.3	1290.7	1560.0	1960.0	2588.0	4344.0	4976.0	5748.0	7264.0
70°	734.7	742.7	793.3	954.7	1177.3	1522.7	1844.0	2728.0	3182.7	3706.7	5197.3
72.5°	516.0	533.3	561.3	657.3	885.3	1282.7	1884.0	1630.7	1857.3	2214.7	3125.3
75°	302.7	314.7	334.7	381.3	504.0	857.3	1950.7	1433.3	1433.3	1517.3	1890.7
77.5°	186.7	186.7	198.7	217.3	268.0	420.0	1389.3	1610.7	1565.3	1517.3	1521.3
80°	96.0	102.7	120.0	129.3	149.3	192.0	624.0	1502.7	1648.0	1745.3	1677.3
82.5°	44.0	49.3	73.3	78.7	86.7	101.3	214.7	854.7	1145.3	1508.0	1884.0
85°	22.7	22.7	38.7	48.0	52.0	46.7	78.7	345.3	522.7	797.3	1248.0
87.5°	4.0	4.0	6.7	8.0	12.0	10.7	13.3	20.0	33.3	36.0	37.3
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°	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3
2.5°	1249.3	1250.7	1249.3	1248.0	1245.3	1245.3	1245.3	1244.0	1244.0	1244.0	1242.7
5°	1285.3	1280.0	1281.3	1278.7	1277.3	1276.0	1277.3	1274.7	1272.0	1273.3	1272.0
7.5°	1330.7	1328.0	1322.7	1322.7	1321.3	1318.7	1318.7	1314.7	1313.3	1310.7	1309.3
10°	1381.3	1374.7	1377.3	1374.7	1376.0	1370.7	1368.0	1365.3	1362.7	1362.7	1364.0
12.5°	1433.3	1432.0	1428.0	1425.3	1425.3	1421.3	1422.7	1421.3	1417.3	1416.0	1412.0
15°	1486.7	1486.7	1482.7	1484.0	1482.7	1480.0	1477.3	1477.3	1474.7	1472.0	1473.3
17.5°	1549.3	1549.3	1549.3	1549.3	1550.7	1546.7	1548.0	1545.3	1542.7	1548.0	1548.0
20°	1630.7	1636.0	1636.0	1634.7	1641.3	1637.3	1636.0	1642.7	1636.0	1645.3	1644.0
22.5°	1724.0	1729.3	1729.3	1734.7	1736.0	1740.0	1742.7	1740.0	1745.3	1750.7	1750.7
25°	1828.0	1833.3	1837.3	1845.3	1849.3	1846.7	1848.0	1854.7	1857.3	1862.7	1868.0
27.5°	1937.3	1938.7	1944.0	1953.3	1960.0	1962.7	1964.0	1974.7	1976.0	1978.7	1984.0
30°	2044.0	2057.3	2054.7	2066.7	2070.7	2074.7	2082.7	2086.7	2096.0	2101.3	2101.3
32.5°	2169.3	2166.7	2177.3	2186.7	2193.3	2200.0	2206.7	2212.0	2217.3	2220.0	2233.3
35°	2325.3	2330.7	2330.7	2332.0	2348.0	2349.3	2354.7	2366.7	2370.7	2378.7	2384.0
37.5°	2480.0	2470.7	2469.3	2469.3	2464.0	2468.0	2469.3	2470.7	2476.0	2477.3	2482.7
40°	2653.3	2641.3	2630.7	2624.0	2613.3	2598.7	2596.0	2589.3	2593.3	2592.0	2593.3
42.5°	2890.7	2857.3	2832.0	2813.3	2792.0	2776.0	2764.0	2746.7	2734.7	2720.0	2717.3
45°	3193.3	3130.7	3088.0	3057.3	3026.7	2982.7	2957.3	2930.7	2906.7	2882.7	2862.7
47.5°	3590.7	3524.0	3456.0	3400.0	3352.0	3281.3	3209.3	3169.3	3122.7	3081.3	3052.0
50°	4058.7	3978.7	3946.7	3868.0	3808.0	3701.3	3612.0	3546.7	3453.3	3390.7	3336.0
52.5°	4537.3	4517.3	4500.0	4433.3	4362.7	4301.3	4222.7	4108.0	4013.3	3941.3	3829.3
55°	5189.3	5198.7	5192.0	5156.0	5130.7	5072.0	5040.0	4940.0	4897.3	4793.3	4676.0
57.5°	6286.7	6361.3	6456.0	6493.3	6544.0	6496.0	6552.0	6620.0	6450.7	6509.3	6404.0
60°	7688.0	8030.7	8234.7	8485.3	8649.3	8878.7	8920.0	8980.0	8962.7	8996.0	9064.0
62.5°	8544.0	8950.7	9341.3	9625.3	9929.3	10097.3	10300.0	10441.3	10588.0	10686.7	10658.7
65°	8796.0	9214.7	9569.3	9880.0	10152.0	10357.3	10545.3	10722.7	10857.3	10952.0	11008.0
67.5°	7870.7	8417.3	8790.7	9154.7	9505.3	9721.3	9878.7	10050.7	10248.0	10412.0	10444.0
70°	5922.7	6742.7	7272.0	7708.0	8120.0	8410.7	8630.7	8790.7	8944.0	9061.3	9189.3
72.5°	3704.0	4421.3	5026.7	5592.0	6029.3	6429.3	6614.7	6969.3	6922.7	7012.0	7108.0
75°	2220.0	2569.3	2902.7	3301.3	3530.7	3864.0	3924.0	3982.7	3952.0	3852.0	3926.7
77.5°	1542.7	1600.0	1597.3	1574.7	1550.7	1492.0	1416.0	1374.7	1346.7	1306.7	1322.7
80°	1552.0	1428.0	1238.7	1041.3	860.0	740.0	692.0	692.0	741.3	812.0	882.7
82.5°	1854.7	1722.7	1536.0	1285.3	1018.7	829.3	702.7	652.0	661.3	733.3	824.0
85°	1250.7	1280.0	1122.7	1026.7	813.3	633.3	530.7	430.7	381.3	393.3	445.3
87.5°	45.3	54.7	20.0	26.7	18.7	16.0	16.0	17.3	12.0	14.7	13.3
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°	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3
2.5°	1241.3	1240.0	1240.0	1237.3	1237.3	1236.0	1236.0	1234.7	1233.3	1233.3	1232.0
5°	1270.7	1269.3	1266.7	1265.3	1262.7	1262.7	1261.3	1258.7	1258.7	1256.0	1254.7
7.5°	1312.0	1309.3	1306.7	1305.3	1304.0	1300.0	1300.0	1297.3	1297.3	1294.7	1293.3
10°	1361.3	1358.7	1356.0	1357.3	1353.3	1352.0	1349.3	1349.3	1345.3	1344.0	1344.0
12.5°	1414.7	1413.3	1413.3	1409.3	1408.0	1406.7	1401.3	1401.3	1401.3	1398.7	1400.0
15°	1472.0	1473.3	1469.3	1473.3	1472.0	1468.0	1468.0	1468.0	1462.7	1469.3	1464.0
17.5°	1549.3	1553.3	1550.7	1552.0	1549.3	1549.3	1550.7	1549.3	1552.0	1552.0	1560.0
20°	1645.3	1646.7	1653.3	1650.7	1650.7	1649.3	1652.0	1653.3	1658.7	1656.0	1661.3
22.5°	1750.7	1757.3	1758.7	1764.0	1764.0	1762.7	1765.3	1770.7	1773.3	1777.3	1776.0
25°	1870.7	1874.7	1880.0	1873.3	1884.0	1884.0	1886.7	1893.3	1894.7	1894.7	1904.0
27.5°	1982.7	1993.3	1994.7	2001.3	1997.3	2000.0	2009.3	2013.3	2018.7	2018.7	2021.3
30°	2109.3	2113.3	2116.0	2124.0	2122.7	2124.0	2125.3	2132.0	2132.0	2138.7	2145.3
32.5°	2240.0	2242.7	2245.3	2253.3	2256.0	2261.3	2258.7	2264.0	2270.7	2272.0	2276.0
35°	2396.0	2398.7	2401.3	2413.3	2414.7	2424.0	2426.7	2424.0	2434.7	2428.0	2434.7
37.5°	2486.7	2498.7	2501.3	2509.3	2506.7	2513.3	2517.3	2522.7	2525.3	2530.7	2541.3
40°	2597.3	2601.3	2609.3	2613.3	2618.7	2620.0	2625.3	2629.3	2633.3	2645.3	2657.3
42.5°	2710.7	2716.0	2720.0	2725.3	2732.0	2737.3	2741.3	2753.3	2756.0	2764.0	2786.7
45°	2848.0	2845.3	2846.7	2848.0	2850.7	2857.3	2869.3	2881.3	2889.3	2908.0	2926.7
47.5°	3018.7	3001.3	2994.7	2984.0	2986.7	3001.3	3004.0	3024.0	3040.0	3057.3	3080.0
50°	3277.3	3230.7	3202.7	3174.7	3172.0	3180.0	3190.7	3212.0	3230.7	3253.3	3285.3
52.5°	3712.0	3622.7	3566.7	3489.3	3468.0	3464.0	3456.0	3468.0	3473.3	3504.0	3564.0
55°	4592.0	4426.7	4320.0	4200.0	4088.0	4054.7	3990.7	4004.0	3990.7	4009.3	4098.7
57.5°	6429.3	6297.3	6193.3	6040.0	5848.0	5644.0	5593.3	5384.0	5425.3	5545.3	5468.0
60°	9097.3	9049.3	8974.7	8901.3	8638.7	8490.7	8249.3	8222.7	8053.3	8054.7	7944.0
62.5°	10590.7	10652.0	10606.7	10585.3	10570.7	10524.0	10404.0	10260.0	10044.0	9888.0	9658.7
65°	11017.3	10965.3	10916.0	10909.3	10905.3	10981.3	10998.7	10897.3	10701.3	10458.7	10194.7
67.5°	10520.0	10490.7	10493.3	10437.3	10472.0	10604.0	10696.0	10668.0	10488.0	10194.7	9858.7
70°	9336.0	9278.7	9337.3	9410.7	9462.7	9538.7	9630.7	9653.3	9489.3	9188.0	8845.3
72.5°	6990.7	7000.0	7056.0	7076.0	7285.3	7264.0	7346.7	7077.3	6958.7	6672.0	6496.0
75°	3678.7	3618.7	3774.7	3444.0	3308.0	3402.7	3137.3	2882.7	2936.0	2980.0	2662.7
77.5°	1300.0	1216.0	1073.3	1016.0	845.3	716.0	585.3	528.0	497.3	481.3	461.3
80°	933.3	960.0	930.7	861.3	732.0	586.7	462.7	365.3	313.3	285.3	266.7
82.5°	944.0	1049.3	1096.0	1076.0	958.7	725.3	478.7	305.3	226.7	189.3	176.0
85°	506.7	554.7	533.3	449.3	404.0	241.3	165.3	110.7	93.3	85.3	78.7
87.5°	20.0	16.0	13.3	13.3	14.7	16.0	13.3	14.7	13.3	13.3	13.3
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: P154560

CATALOG NUMBER: TLM-E04-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3	1225.3
2.5°	1229.3	1229.3	1229.3	1228.0	1225.3	1218.7	1212.0	1206.7	1202.7	1198.7	1193.3
5°	1253.3	1250.7	1250.7	1250.7	1240.0	1229.3	1220.0	1210.7	1202.7	1196.0	1190.7
7.5°	1293.3	1292.0	1286.7	1285.3	1277.3	1260.0	1249.3	1233.3	1224.0	1214.7	1212.0
10°	1341.3	1340.0	1338.7	1337.3	1326.7	1309.3	1296.0	1281.3	1268.0	1254.7	1241.3
12.5°	1397.3	1396.0	1394.7	1390.7	1386.7	1377.3	1362.7	1346.7	1330.7	1302.7	1288.0
15°	1466.7	1469.3	1466.7	1465.3	1462.7	1464.0	1454.7	1432.0	1406.7	1370.7	1340.0
17.5°	1558.7	1556.0	1554.7	1560.0	1558.7	1565.3	1562.7	1533.3	1494.7	1437.3	1384.0
20°	1660.0	1660.0	1665.3	1669.3	1681.3	1698.7	1690.7	1654.7	1584.0	1504.0	1434.7
22.5°	1781.3	1784.0	1789.3	1786.7	1805.3	1833.3	1836.0	1785.3	1693.3	1582.7	1485.3
25°	1908.0	1910.7	1905.3	1913.3	1944.0	1984.0	1992.0	1920.0	1798.7	1654.7	1528.0
27.5°	2028.0	2030.7	2030.7	2041.3	2070.7	2138.7	2146.7	2066.7	1905.3	1717.3	1558.7
30°	2145.3	2156.0	2158.7	2161.3	2205.3	2300.0	2317.3	2201.3	1998.7	1764.0	1580.0
32.5°	2293.3	2297.3	2302.7	2309.3	2360.0	2476.0	2476.0	2317.3	2058.7	1793.3	1584.0
35°	2452.0	2453.3	2465.3	2466.7	2538.7	2654.7	2632.0	2413.3	2101.3	1786.7	1554.7
37.5°	2548.0	2553.3	2565.3	2581.3	2657.3	2821.3	2769.3	2496.0	2109.3	1742.7	1488.0
40°	2666.7	2677.3	2689.3	2705.3	2818.7	2990.7	2885.3	2548.0	2076.0	1656.0	1388.0
42.5°	2794.7	2809.3	2828.0	2857.3	2992.0	3140.0	2973.3	2556.0	2000.0	1558.7	1269.3
45°	2938.7	2965.3	2986.7	3021.3	3173.3	3269.3	3026.7	2509.3	1904.0	1430.7	1142.7
47.5°	3105.3	3126.7	3164.0	3201.3	3353.3	3357.3	3032.0	2418.7	1773.3	1302.7	1008.0
50°	3310.7	3324.0	3380.0	3402.7	3545.3	3449.3	2993.3	2296.0	1636.0	1158.7	858.7
52.5°	3584.0	3602.7	3674.7	3709.3	3810.7	3574.7	2938.7	2162.7	1478.7	997.3	705.3
55°	4124.0	4205.3	4256.0	4316.0	4381.3	3858.7	2914.7	2020.0	1301.3	810.7	558.7
57.5°	5640.0	5613.3	5725.3	5861.3	5860.0	4508.0	3058.7	1897.3	1092.0	620.0	429.3
60°	7898.7	7924.0	7866.7	7948.0	7689.3	5313.3	3256.0	1768.0	856.0	461.3	328.0
62.5°	9577.3	9430.7	9349.3	9253.3	8684.0	5401.3	3112.0	1502.7	622.7	324.0	252.0
65°	9974.7	9802.7	9628.0	9445.3	8586.7	4869.3	2553.3	1102.7	402.7	222.7	200.0
67.5°	9582.7	9306.7	9084.0	8896.0	7868.0	4036.0	1866.7	677.3	230.7	180.0	170.7
70°	8566.7	8261.3	7901.3	7690.7	6625.3	2974.7	1196.0	365.3	177.3	160.0	156.0
72.5°	6270.7	6020.0	5626.7	5385.3	4757.3	1808.0	668.0	205.3	165.3	153.3	148.0
75°	2442.7	2312.0	2148.0	2161.3	1929.3	800.0	302.7	177.3	161.3	150.7	145.3
77.5°	420.0	409.3	378.7	378.7	430.7	292.0	201.3	178.7	160.0	148.0	138.7
80°	252.0	246.7	234.7	232.0	224.0	205.3	193.3	181.3	157.3	140.0	128.0
82.5°	165.3	158.7	154.7	153.3	166.7	180.0	181.3	180.0	149.3	121.3	104.0
85°	70.7	70.7	70.7	72.0	96.0	145.3	149.3	160.0	122.7	94.7	74.7
87.5°	12.0	14.7	14.7	16.0	17.3	32.0	40.0	52.0	41.3	40.0	36.0
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: P154560

CATALOG NUMBER: TLM-E04-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1225.3	1225.3	1225.3
2.5°	1192.0	1189.3	1189.3
5°	1188.0	1185.3	1186.7
7.5°	1204.0	1198.7	1200.0
10°	1233.3	1228.0	1225.3
12.5°	1270.7	1264.0	1264.0
15°	1309.3	1293.3	1292.0
17.5°	1341.3	1321.3	1318.7
20°	1377.3	1350.7	1346.7
22.5°	1410.7	1374.7	1369.3
25°	1434.7	1390.7	1384.0
27.5°	1445.3	1393.3	1388.0
30°	1453.3	1394.7	1386.7
32.5°	1445.3	1382.7	1376.0
35°	1401.3	1333.3	1329.3
37.5°	1325.3	1249.3	1244.0
40°	1225.3	1145.3	1132.0
42.5°	1097.3	1022.7	1008.0
45°	973.3	888.0	881.3
47.5°	840.0	758.7	762.7
50°	700.0	626.7	625.3
52.5°	566.7	502.7	498.7
55°	446.7	401.3	397.3
57.5°	353.3	329.3	325.3
60°	288.0	276.0	272.0
62.5°	232.0	228.0	226.7
65°	193.3	193.3	193.3
67.5°	168.0	169.3	169.3
70°	154.7	156.0	154.7
72.5°	149.3	153.3	153.3
75°	145.3	148.0	142.7
77.5°	142.7	144.0	134.7
80°	141.3	140.0	122.7
82.5°	122.7	118.7	104.0
85°	112.0	85.3	72.0
87.5°	57.3	40.0	30.7
90°	0.0	0.0	0.0

(END OF REPORT)