

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: P154559

Luminaire Tested: **TLM-E04-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154559
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-T2-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11193.5 lumens
Efficiency: N/A
Efficacy: 115.2 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

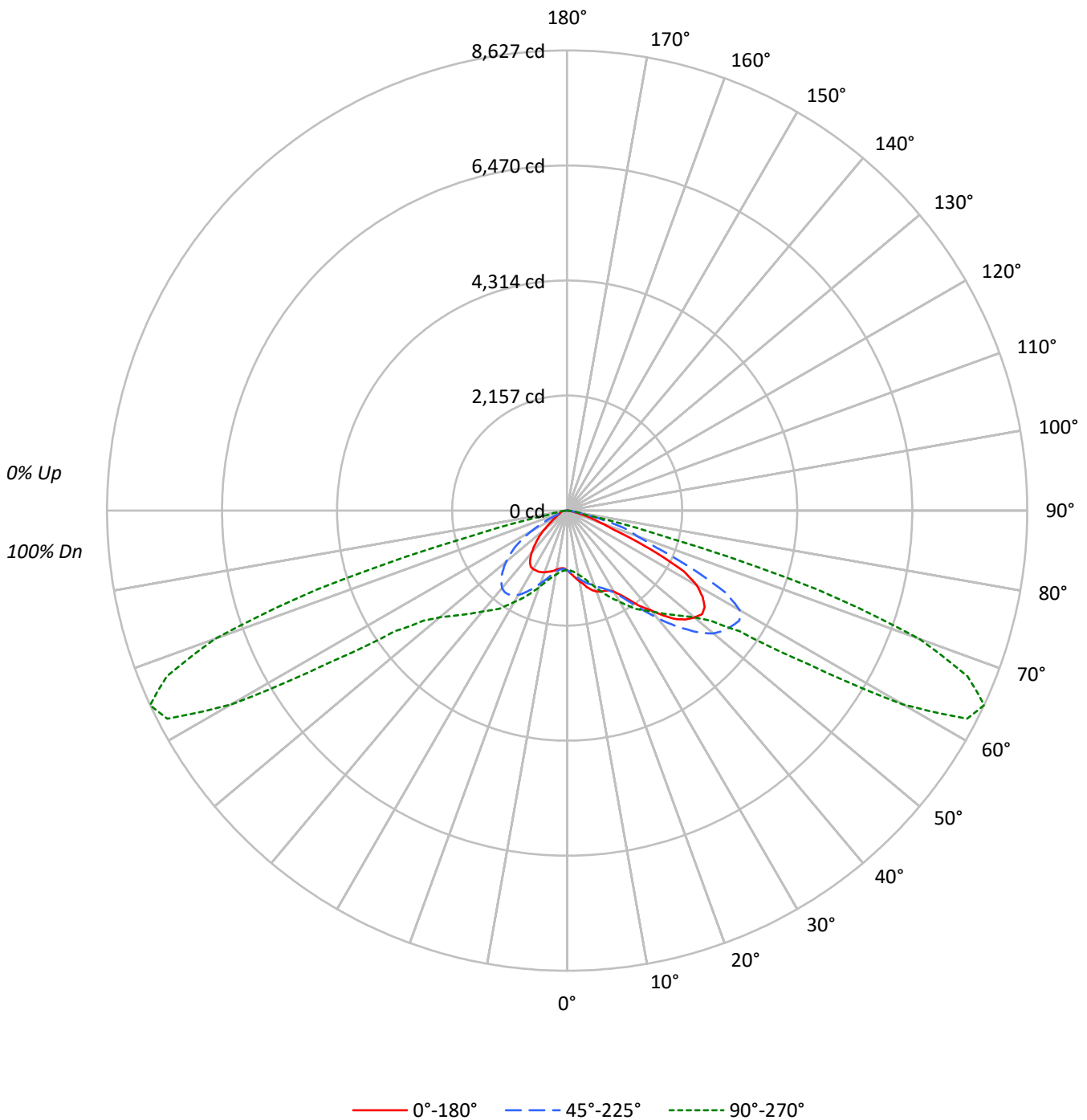
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

Luminous Intensity Polar Plot





TEST NUMBER: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

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°	17981	17981	17981
5°	19659	18422	17478
10°	21992	19927	18258
15°	24913	22261	19626
20°	27628	26067	21029
25°	29424	30977	22408
30°	32486	36621	23495
35°	40221	44185	23811
40°	51054	51820	21683
45°	65382	62696	18290
50°	77890	77675	14274
55°	88174	110413	10165
60°	90272	233249	7981
65°	66384	327946	6713
70°	31519	329949	6637
75°	17157	122537	8088
80°	8114	19605	10362
85°	3816	12129	12129



TEST NUMBER: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	1.0
10°-20°	384.9	3.4
20°-30°	756.2	6.8
30°-40°	1256.6	11.2
40°-50°	1846.4	16.5
50°-60°	2556.3	22.8
60°-70°	3051.2	27.3
70°-80°	1079.0	9.6
80°-90°	150.8	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°	1253.2	11.2
0°-40°	2509.8	22.4
0°-60°	6912.5	61.8
0°-90°	11193.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11193.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1119	1119	1119	1119	1119	
5°	1219	1196	1142	1098	1084	120
15°	1498	1404	1338	1285	1180	426
25°	1660	1610	1748	1643	1264	774
35°	2051	2120	2253	1919	1214	1311
45°	2878	3141	2760	1739	805	2202
55°	3148	3774	3942	1189	363	2758
65°	1746	2602	8627	368	177	1703
75°	276	783	1974	147	130	341
85°	21	43	66	112	66	29
90°	0	0	0	0	0	



TEST NUMBER: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1167.9	1169.1	1166.7	1165.4	1161.8	1155.7	1150.8	1146.0	1146.0	1146.0	1142.3
5°	1219.0	1221.5	1216.6	1212.9	1202.0	1195.9	1187.4	1181.3	1178.8	1177.6	1174.0
7.5°	1283.6	1279.9	1272.6	1270.2	1261.6	1248.2	1232.4	1220.2	1220.2	1219.0	1220.2
10°	1348.1	1338.4	1334.7	1331.1	1317.7	1300.6	1282.3	1268.9	1267.7	1266.5	1262.9
12.5°	1412.6	1409.0	1405.3	1391.9	1378.6	1351.8	1331.1	1317.7	1316.4	1317.7	1312.8
15°	1497.9	1489.4	1485.7	1462.6	1433.4	1404.1	1378.6	1366.4	1362.7	1363.9	1360.3
17.5°	1563.7	1563.7	1555.1	1529.6	1491.8	1451.6	1424.8	1417.5	1416.3	1416.3	1417.5
20°	1616.0	1614.8	1606.3	1585.6	1540.5	1500.3	1486.9	1484.5	1483.3	1483.3	1486.9
22.5°	1645.2	1642.8	1639.2	1616.0	1580.7	1553.9	1555.1	1562.4	1564.9	1567.3	1572.2
25°	1659.9	1656.2	1655.0	1639.2	1613.6	1609.9	1631.9	1651.3	1656.2	1661.1	1667.2
27.5°	1684.2	1678.1	1680.6	1674.5	1668.4	1679.3	1724.4	1745.1	1748.8	1754.9	1758.5
30°	1751.2	1748.8	1758.5	1760.9	1765.8	1781.6	1823.0	1842.5	1851.1	1851.1	1868.1
32.5°	1879.1	1880.3	1882.7	1908.3	1916.8	1927.8	1949.7	1965.5	1966.7	1968.0	1983.8
35°	2050.8	2058.1	2078.8	2100.7	2121.4	2120.2	2106.8	2115.3	2109.2	2116.5	2117.8
37.5°	2267.5	2257.8	2288.2	2338.2	2369.8	2361.3	2301.6	2262.7	2273.6	2268.8	2265.1
40°	2434.4	2445.3	2503.8	2569.6	2593.9	2620.7	2542.8	2475.8	2466.0	2447.8	2436.8
42.5°	2664.5	2665.8	2713.3	2762.0	2832.6	2891.1	2841.1	2744.9	2715.7	2693.8	2646.3
45°	2877.7	2874.0	2913.0	2972.7	3056.7	3140.7	3159.0	3054.2	3043.3	3004.3	2942.2
47.5°	3020.1	3015.3	3042.1	3120.0	3256.4	3394.0	3469.5	3437.9	3417.1	3401.3	3303.9
50°	3116.4	3106.6	3137.1	3219.9	3372.1	3584.0	3781.3	3808.1	3799.5	3799.5	3737.4
52.5°	3188.2	3188.2	3210.1	3277.1	3431.8	3696.0	4049.2	4184.4	4195.3	4207.5	4203.8
55°	3148.0	3154.1	3208.9	3306.3	3469.5	3774.0	4270.8	4566.8	4627.6	4678.8	4737.2
57.5°	3010.4	3031.1	3104.2	3263.7	3479.3	3832.4	4516.8	5102.6	5274.3	5422.9	5654.2
60°	2809.5	2836.3	2942.2	3145.6	3407.4	3737.4	4603.3	5555.6	5828.4	6152.3	6756.4
62.5°	2464.8	2491.6	2595.1	2798.5	3022.6	3373.3	4245.3	5622.6	6058.6	6517.7	7431.0
65°	1746.3	1703.7	1823.0	2005.7	2262.7	2602.4	3430.5	5173.2	5800.4	6422.7	7550.4
67.5°	973.0	969.4	1042.4	1178.8	1424.8	1790.2	2363.8	3967.6	4544.8	5249.9	6634.6
70°	671.0	678.3	724.6	871.9	1075.3	1390.7	1684.2	2491.6	2906.9	3385.5	4747.0
72.5°	471.3	487.1	512.7	600.4	808.6	1171.5	1720.8	1489.4	1696.4	2022.8	2854.5
75°	276.4	287.4	305.7	348.3	460.3	783.0	1781.6	1309.1	1309.1	1385.9	1726.8
77.5°	170.5	170.5	181.5	198.5	244.8	383.6	1268.9	1471.1	1429.7	1385.9	1389.5
80°	87.7	93.8	109.6	118.1	136.4	175.4	569.9	1372.5	1505.2	1594.1	1532.0
82.5°	40.2	45.1	67.0	71.9	79.2	92.6	196.1	780.6	1046.1	1377.3	1720.8
85°	20.7	20.7	35.3	43.8	47.5	42.6	71.9	315.4	477.4	728.2	1139.9
87.5°	3.7	3.7	6.1	7.3	11.0	9.7	12.2	18.3	30.4	32.9	34.1
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: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1141.1	1142.3	1141.1	1139.9	1137.4	1137.4	1137.4	1136.2	1136.2	1136.2	1135.0
5°	1174.0	1169.1	1170.3	1167.9	1166.7	1165.4	1166.7	1164.2	1161.8	1163.0	1161.8
7.5°	1215.4	1212.9	1208.1	1208.1	1206.8	1204.4	1204.4	1200.8	1199.5	1197.1	1195.9
10°	1261.6	1255.6	1258.0	1255.6	1256.8	1251.9	1249.5	1247.0	1244.6	1244.6	1245.8
12.5°	1309.1	1307.9	1304.3	1301.8	1301.8	1298.2	1299.4	1298.2	1294.5	1293.3	1289.7
15°	1357.8	1357.8	1354.2	1355.4	1354.2	1351.8	1349.3	1349.3	1346.9	1344.5	1345.7
17.5°	1415.1	1415.1	1415.1	1415.1	1416.3	1412.6	1413.9	1411.4	1409.0	1413.9	1413.9
20°	1489.4	1494.2	1494.2	1493.0	1499.1	1495.5	1494.2	1500.3	1494.2	1502.8	1501.5
22.5°	1574.6	1579.5	1579.5	1584.4	1585.6	1589.2	1591.7	1589.2	1594.1	1599.0	1599.0
25°	1669.6	1674.5	1678.1	1685.4	1689.1	1686.7	1687.9	1694.0	1696.4	1701.3	1706.1
27.5°	1769.5	1770.7	1775.6	1784.1	1790.2	1792.6	1793.8	1803.6	1804.8	1807.2	1812.1
30°	1866.9	1879.1	1876.6	1887.6	1891.2	1894.9	1902.2	1905.9	1914.4	1919.3	1919.3
32.5°	1981.4	1978.9	1988.7	1997.2	2003.3	2009.4	2015.5	2020.3	2025.2	2027.6	2039.8
35°	2123.8	2128.7	2128.7	2129.9	2144.5	2145.8	2150.6	2161.6	2165.2	2172.6	2177.4
37.5°	2265.1	2256.6	2255.4	2255.4	2250.5	2254.1	2255.4	2256.6	2261.5	2262.7	2267.5
40°	2423.4	2412.5	2402.7	2396.6	2386.9	2373.5	2371.1	2365.0	2368.6	2367.4	2368.6
42.5°	2640.2	2609.7	2586.6	2569.6	2550.1	2535.5	2524.5	2508.7	2497.7	2484.3	2481.9
45°	2916.6	2859.4	2820.4	2792.4	2764.4	2724.2	2701.1	2676.7	2654.8	2632.9	2614.6
47.5°	3279.5	3218.6	3156.5	3105.4	3061.6	2997.0	2931.2	2894.7	2852.1	2814.3	2787.5
50°	3707.0	3633.9	3604.7	3532.8	3478.0	3380.6	3299.0	3239.3	3154.1	3096.9	3046.9
52.5°	4144.2	4125.9	4110.1	4049.2	3984.6	3928.6	3856.8	3752.0	3665.6	3599.8	3497.5
55°	4739.7	4748.2	4742.1	4709.2	4686.1	4632.5	4603.3	4512.0	4473.0	4378.0	4270.8
57.5°	5741.9	5810.1	5896.6	5930.7	5977.0	5933.1	5984.3	6046.4	5891.7	5945.3	5849.1
60°	7021.8	7334.8	7521.1	7750.1	7899.9	8109.3	8147.1	8201.9	8186.1	8216.5	8278.6
62.5°	7803.7	8175.1	8531.9	8791.3	9069.0	9222.4	9407.5	9536.6	9670.6	9760.7	9735.1
65°	8033.8	8416.2	8740.2	9023.9	9272.3	9459.9	9631.6	9793.6	9916.5	10003.0	10054.2
67.5°	7188.7	7688.0	8029.0	8361.4	8681.7	8879.0	9022.7	9179.8	9360.0	9509.8	9539.0
70°	5409.5	6158.4	6641.9	7040.1	7416.4	7681.9	7882.8	8029.0	8169.0	8276.2	8393.1
72.5°	3383.0	4038.2	4591.1	5107.5	5506.9	5872.2	6041.5	6365.4	6322.8	6404.4	6492.1
75°	2027.6	2346.7	2651.2	3015.3	3224.7	3529.2	3584.0	3637.6	3609.6	3518.2	3586.4
77.5°	1409.0	1461.4	1458.9	1438.2	1416.3	1362.7	1293.3	1255.6	1230.0	1193.4	1208.1
80°	1417.5	1304.3	1131.3	951.1	785.5	675.9	632.0	632.0	677.1	741.6	806.2
82.5°	1694.0	1573.4	1402.9	1174.0	930.4	757.5	641.8	595.5	604.0	669.8	752.6
85°	1142.3	1169.1	1025.4	937.7	742.9	578.5	484.7	393.3	348.3	359.3	406.7
87.5°	41.4	49.9	18.3	24.4	17.0	14.6	14.6	15.8	11.0	13.4	12.2
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: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1133.8	1132.6	1132.6	1130.1	1130.1	1128.9	1128.9	1127.7	1126.5	1126.5	1125.2
5°	1160.6	1159.3	1156.9	1155.7	1153.3	1153.3	1152.0	1149.6	1149.6	1147.2	1146.0
7.5°	1198.3	1195.9	1193.4	1192.2	1191.0	1187.4	1187.4	1184.9	1184.9	1182.5	1181.3
10°	1243.4	1240.9	1238.5	1239.7	1236.1	1234.8	1232.4	1232.4	1228.8	1227.5	1227.5
12.5°	1292.1	1290.9	1290.9	1287.2	1286.0	1284.8	1279.9	1279.9	1279.9	1277.5	1278.7
15°	1344.5	1345.7	1342.0	1345.7	1344.5	1340.8	1340.8	1340.8	1335.9	1342.0	1337.1
17.5°	1415.1	1418.7	1416.3	1417.5	1415.1	1415.1	1416.3	1415.1	1417.5	1417.5	1424.8
20°	1502.8	1504.0	1510.1	1507.6	1507.6	1506.4	1508.9	1510.1	1514.9	1512.5	1517.4
22.5°	1599.0	1605.1	1606.3	1611.2	1611.2	1609.9	1612.4	1617.2	1619.7	1623.3	1622.1
25°	1708.6	1712.2	1717.1	1711.0	1720.8	1720.8	1723.2	1729.3	1730.5	1730.5	1739.0
27.5°	1810.9	1820.6	1821.8	1827.9	1824.3	1826.7	1835.2	1838.9	1843.7	1843.7	1846.2
30°	1926.6	1930.2	1932.6	1940.0	1938.7	1940.0	1941.2	1947.3	1947.3	1953.4	1959.4
32.5°	2045.9	2048.3	2050.8	2058.1	2060.5	2065.4	2063.0	2067.8	2073.9	2075.1	2078.8
35°	2188.4	2190.8	2193.3	2204.2	2205.4	2214.0	2216.4	2214.0	2223.7	2217.6	2223.7
37.5°	2271.2	2282.2	2284.6	2291.9	2289.5	2295.6	2299.2	2304.1	2306.5	2311.4	2321.1
40°	2372.3	2375.9	2383.2	2386.9	2391.8	2393.0	2397.8	2401.5	2405.2	2416.1	2427.1
42.5°	2475.8	2480.7	2484.3	2489.2	2495.3	2500.1	2503.8	2514.8	2517.2	2524.5	2545.2
45°	2601.2	2598.8	2600.0	2601.2	2603.7	2609.7	2620.7	2631.7	2639.0	2656.0	2673.1
47.5°	2757.1	2741.3	2735.2	2725.4	2727.9	2741.3	2743.7	2762.0	2776.6	2792.4	2813.1
50°	2993.4	2950.7	2925.2	2899.6	2897.1	2904.5	2914.2	2933.7	2950.7	2971.4	3000.7
52.5°	3390.4	3308.8	3257.6	3187.0	3167.5	3163.8	3156.5	3167.5	3172.4	3200.4	3255.2
55°	4194.1	4043.1	3945.7	3836.1	3733.8	3703.3	3644.9	3657.1	3644.9	3661.9	3743.5
57.5°	5872.2	5751.7	5656.7	5516.6	5341.3	5154.9	5108.7	4917.5	4955.2	5064.8	4994.2
60°	8309.1	8265.2	8197.0	8130.0	7890.1	7755.0	7534.5	7510.2	7355.5	7356.7	7255.7
62.5°	9673.0	9729.0	9687.6	9668.1	9654.7	9612.1	9502.5	9371.0	9173.7	9031.2	8821.7
65°	10062.7	10015.2	9970.1	9964.0	9960.4	10029.8	10045.6	9953.1	9774.1	9552.4	9311.3
67.5°	9608.4	9581.7	9584.1	9532.9	9564.6	9685.2	9769.2	9743.6	9579.2	9311.3	9004.4
70°	8527.0	8474.7	8528.3	8595.2	8642.7	8712.1	8796.2	8816.9	8667.1	8391.9	8078.9
72.5°	6384.9	6393.5	6444.6	6462.9	6654.1	6634.6	6710.1	6464.1	6355.7	6093.9	5933.1
75°	3359.9	3305.1	3447.6	3145.6	3021.4	3107.8	2865.5	2632.9	2681.6	2721.8	2431.9
77.5°	1187.4	1110.6	980.3	928.0	772.1	654.0	534.6	482.2	454.2	439.6	421.4
80°	852.5	876.8	850.0	786.7	668.6	535.8	422.6	333.7	286.2	260.6	243.6
82.5°	862.2	958.4	1001.0	982.8	875.6	662.5	437.2	278.9	207.0	172.9	160.7
85°	462.8	506.6	487.1	410.4	369.0	220.4	151.0	101.1	85.2	77.9	71.9
87.5°	18.3	14.6	12.2	12.2	13.4	14.6	12.2	13.4	12.2	12.2	12.2
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: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1122.8	1122.8	1122.8	1121.6	1119.2	1113.1	1107.0	1102.1	1098.5	1094.8	1089.9
5°	1144.7	1142.3	1142.3	1142.3	1132.6	1122.8	1114.3	1105.8	1098.5	1092.4	1087.5
7.5°	1181.3	1180.0	1175.2	1174.0	1166.7	1150.8	1141.1	1126.5	1117.9	1109.4	1107.0
10°	1225.1	1223.9	1222.7	1221.5	1211.7	1195.9	1183.7	1170.3	1158.1	1146.0	1133.8
12.5°	1276.3	1275.0	1273.8	1270.2	1266.5	1258.0	1244.6	1230.0	1215.4	1189.8	1176.4
15°	1339.6	1342.0	1339.6	1338.4	1335.9	1337.1	1328.6	1307.9	1284.8	1251.9	1223.9
17.5°	1423.6	1421.2	1420.0	1424.8	1423.6	1429.7	1427.3	1400.5	1365.2	1312.8	1264.1
20°	1516.2	1516.2	1521.0	1524.7	1535.6	1551.5	1544.2	1511.3	1446.7	1373.7	1310.4
22.5°	1627.0	1629.4	1634.3	1631.9	1648.9	1674.5	1676.9	1630.6	1546.6	1445.5	1356.6
25°	1742.7	1745.1	1740.2	1747.5	1775.6	1812.1	1819.4	1753.6	1642.8	1511.3	1395.6
27.5°	1852.3	1854.7	1854.7	1864.5	1891.2	1953.4	1960.7	1887.6	1740.2	1568.5	1423.6
30°	1959.4	1969.2	1971.6	1974.1	2014.2	2100.7	2116.5	2010.6	1825.5	1611.2	1443.1
32.5°	2094.6	2098.3	2103.1	2109.2	2155.5	2261.5	2261.5	2116.5	1880.3	1637.9	1446.7
35°	2239.5	2240.8	2251.7	2252.9	2318.7	2424.6	2403.9	2204.2	1919.3	1631.9	1420.0
37.5°	2327.2	2332.1	2343.0	2357.7	2427.1	2576.9	2529.4	2279.7	1926.6	1591.7	1359.1
40°	2435.6	2445.3	2456.3	2470.9	2574.4	2731.5	2635.3	2327.2	1896.1	1512.5	1267.7
42.5°	2552.5	2565.9	2583.0	2609.7	2732.7	2867.9	2715.7	2334.5	1826.7	1423.6	1159.3
45°	2684.0	2708.4	2727.9	2759.5	2898.4	2986.0	2764.4	2291.9	1739.0	1306.7	1043.7
47.5°	2836.3	2855.7	2889.8	2923.9	3062.8	3066.4	2769.3	2209.1	1619.7	1189.8	920.7
50°	3023.8	3036.0	3087.1	3107.8	3238.1	3150.4	2734.0	2097.1	1494.2	1058.3	784.3
52.5°	3273.4	3290.5	3356.3	3387.9	3480.5	3264.9	2684.0	1975.3	1350.5	910.9	644.2
55°	3766.7	3840.9	3887.2	3942.0	4001.7	3524.3	2662.1	1845.0	1188.6	740.4	510.3
57.5°	5151.3	5126.9	5229.2	5353.5	5352.2	4117.4	2793.6	1732.9	997.4	566.3	392.1
60°	7214.2	7237.4	7185.0	7259.3	7023.1	4852.9	2973.9	1614.8	781.8	421.4	299.6
62.5°	8747.5	8613.5	8539.2	8451.5	7931.5	4933.3	2842.3	1372.5	568.7	295.9	230.2
65°	9110.4	8953.3	8793.7	8626.9	7842.6	4447.4	2332.1	1007.1	367.8	203.4	182.7
67.5°	8752.3	8500.2	8296.9	8125.2	7186.2	3686.3	1704.9	618.6	210.7	164.4	155.9
70°	7824.4	7545.5	7216.7	7024.3	6051.3	2716.9	1092.4	333.7	162.0	146.1	142.5
72.5°	5727.3	5498.4	5139.1	4918.7	4345.1	1651.3	610.1	187.5	151.0	140.0	135.2
75°	2231.0	2111.7	1961.9	1974.1	1762.2	730.7	276.4	162.0	147.4	137.6	132.7
77.5°	383.6	373.9	345.9	345.9	393.3	266.7	183.9	163.2	146.1	135.2	126.7
80°	230.2	225.3	214.3	211.9	204.6	187.5	176.6	165.6	143.7	127.9	116.9
82.5°	151.0	144.9	141.3	140.0	152.2	164.4	165.6	164.4	136.4	110.8	95.0
85°	64.5	64.5	64.5	65.8	87.7	132.7	136.4	146.1	112.0	86.5	68.2
87.5°	11.0	13.4	13.4	14.6	15.8	29.2	36.5	47.5	37.8	36.5	32.9
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: P154559

CATALOG NUMBER: TLM-E04-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1119.2	1119.2	1119.2
2.5°	1088.7	1086.3	1086.3
5°	1085.1	1082.6	1083.8
7.5°	1099.7	1094.8	1096.0
10°	1126.5	1121.6	1119.2
12.5°	1160.6	1154.5	1154.5
15°	1195.9	1181.3	1180.0
17.5°	1225.1	1206.8	1204.4
20°	1258.0	1233.6	1230.0
22.5°	1288.4	1255.6	1250.7
25°	1310.4	1270.2	1264.1
27.5°	1320.1	1272.6	1267.7
30°	1327.4	1273.8	1266.5
32.5°	1320.1	1262.9	1256.8
35°	1279.9	1217.8	1214.1
37.5°	1210.5	1141.1	1136.2
40°	1119.2	1046.1	1033.9
42.5°	1002.2	934.1	920.7
45°	889.0	811.1	805.0
47.5°	767.2	692.9	696.6
50°	639.3	572.4	571.1
52.5°	517.6	459.1	455.5
55°	408.0	366.6	362.9
57.5°	322.7	300.8	297.1
60°	263.0	252.1	248.4
62.5°	211.9	208.2	207.0
65°	176.6	176.6	176.6
67.5°	153.4	154.7	154.7
70°	141.3	142.5	141.3
72.5°	136.4	140.0	140.0
75°	132.7	135.2	130.3
77.5°	130.3	131.5	123.0
80°	129.1	127.9	112.0
82.5°	112.0	108.4	95.0
85°	102.3	77.9	65.8
87.5°	52.4	36.5	28.0
90°	0.0	0.0	0.0

(END OF REPORT)