

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: P154574

Luminaire Tested: **TLM-F05-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154574
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-F05-LED-E1-T2-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11550.6 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

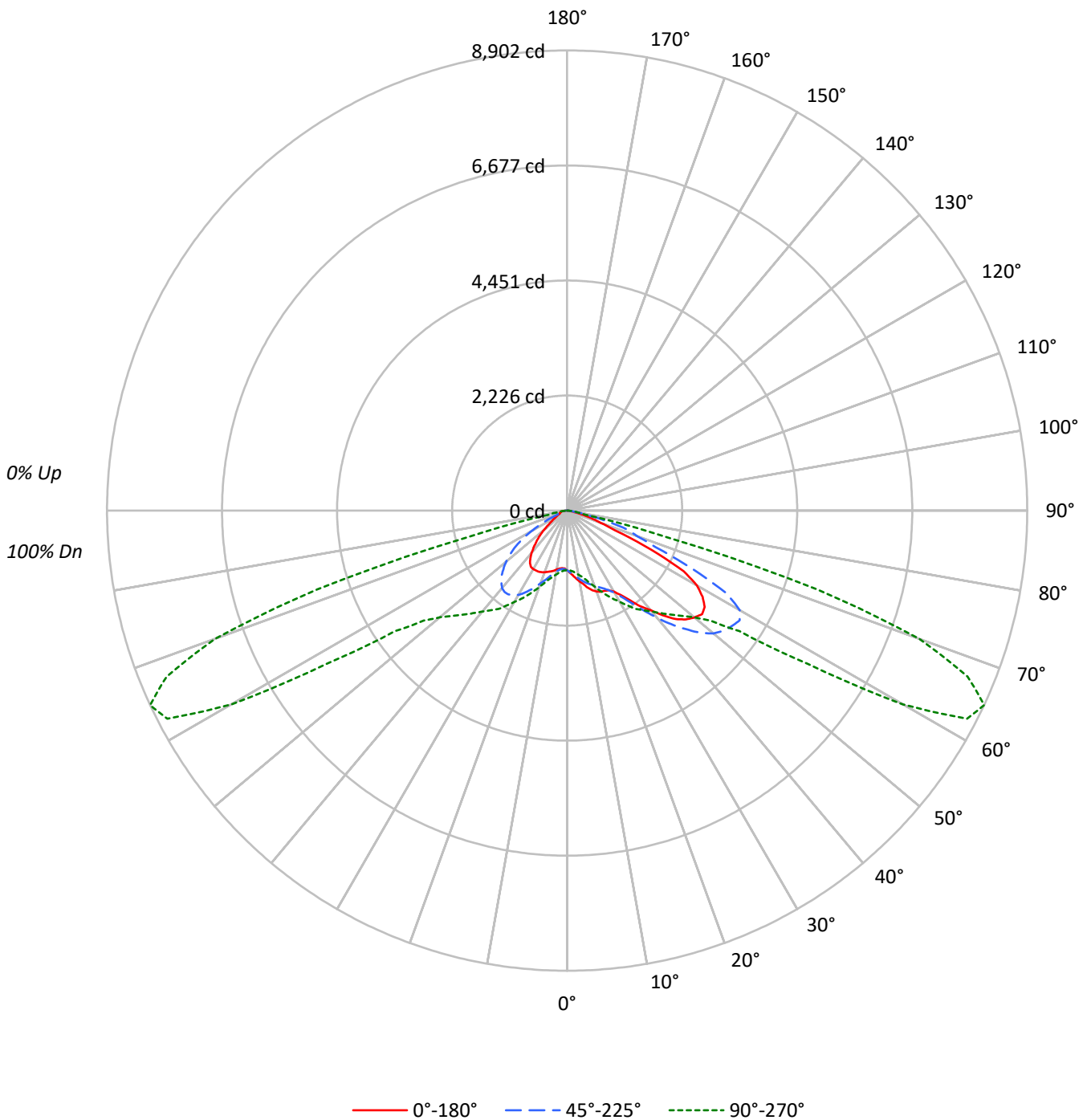
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14977	14977	14977
5°	16375	15344	14559
10°	18319	16598	15208
15°	20753	18543	16349
20°	23014	21713	17516
25°	24509	25804	18665
30°	27061	30504	19571
35°	33503	36806	19836
40°	42528	43166	18062
45°	54462	52226	15233
50°	64880	64703	11891
55°	73449	91973	8467
60°	75194	194293	6650
65°	55297	273172	5591
70°	26254	274842	5528
75°	14295	102067	6739
80°	6759	16333	8633
85°	3184	10103	10103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	1.0
10°-20°	397.2	3.4
20°-30°	780.4	6.8
30°-40°	1296.7	11.2
40°-50°	1905.3	16.5
50°-60°	2637.9	22.8
60°-70°	3148.5	27.3
70°-80°	1113.5	9.6
80°-90°	155.6	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°	1293.2	11.2
0°-40°	2589.9	22.4
0°-60°	7133.1	61.8
0°-90°	11550.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11550.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1155	1155	1155	1155	1155	
5°	1258	1234	1179	1134	1118	124
15°	1546	1449	1381	1326	1218	440
25°	1713	1661	1803	1695	1304	798
35°	2116	2188	2325	1980	1253	1353
45°	2970	3241	2848	1794	831	2273
55°	3248	3894	4068	1226	374	2846
65°	1802	2686	8902	380	182	1757
75°	285	808	2037	152	134	352
85°	21	44	68	116	68	30
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°	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9
2.5°	1205.1	1206.4	1203.9	1202.6	1198.8	1192.6	1187.5	1182.5	1182.5	1182.5	1178.7
5°	1257.9	1260.4	1255.4	1251.6	1240.3	1234.0	1225.2	1219.0	1216.4	1215.2	1211.4
7.5°	1324.5	1320.7	1313.2	1310.7	1301.9	1288.1	1271.7	1259.2	1259.2	1257.9	1259.2
10°	1391.1	1381.1	1377.3	1373.5	1359.7	1342.1	1323.3	1309.4	1308.2	1306.9	1303.2
12.5°	1457.7	1454.0	1450.2	1436.4	1422.5	1394.9	1373.5	1359.7	1358.4	1359.7	1354.7
15°	1545.7	1536.9	1533.1	1509.2	1479.1	1448.9	1422.5	1410.0	1406.2	1407.5	1403.7
17.5°	1613.5	1613.5	1604.7	1578.4	1539.4	1497.9	1470.3	1462.7	1461.5	1461.5	1462.7
20°	1667.6	1666.3	1657.5	1636.2	1589.7	1548.2	1534.4	1531.9	1530.6	1530.6	1534.4
22.5°	1697.7	1695.2	1691.5	1667.6	1631.1	1603.5	1604.7	1612.3	1614.8	1617.3	1622.3
25°	1712.8	1709.1	1707.8	1691.5	1665.1	1661.3	1683.9	1704.0	1709.1	1714.1	1720.4
27.5°	1738.0	1731.7	1734.2	1727.9	1721.6	1732.9	1779.4	1800.8	1804.6	1810.8	1814.6
30°	1807.1	1804.6	1814.6	1817.1	1822.2	1838.5	1881.2	1901.3	1910.1	1910.1	1927.7
32.5°	1939.0	1940.3	1942.8	1969.2	1978.0	1989.3	2011.9	2028.2	2029.5	2030.8	2047.1
35°	2116.2	2123.7	2145.1	2167.7	2189.1	2187.8	2174.0	2182.8	2176.5	2184.1	2185.3
37.5°	2339.9	2329.8	2361.3	2412.8	2445.5	2436.7	2375.1	2334.9	2346.2	2341.1	2337.4
40°	2512.1	2523.4	2583.7	2651.5	2676.7	2704.3	2623.9	2554.8	2544.7	2525.9	2514.6
42.5°	2749.6	2750.8	2799.8	2850.1	2923.0	2983.3	2931.8	2832.5	2802.3	2779.7	2730.7
45°	2969.5	2965.7	3005.9	3067.5	3154.2	3240.9	3259.8	3151.7	3140.4	3100.2	3036.1
47.5°	3116.5	3111.5	3139.1	3219.6	3360.3	3502.3	3580.2	3547.5	3526.2	3509.8	3409.3
50°	3215.8	3205.7	3237.1	3322.6	3479.7	3698.3	3901.9	3929.6	3920.8	3920.8	3856.7
52.5°	3289.9	3289.9	3312.5	3381.7	3541.3	3814.0	4178.4	4317.9	4329.2	4341.7	4338.0
55°	3248.5	3254.7	3311.3	3411.8	3580.2	3894.4	4407.1	4712.5	4775.3	4828.1	4888.4
57.5°	3106.5	3127.8	3203.2	3367.8	3590.3	3954.7	4660.9	5265.4	5442.6	5595.9	5834.7
60°	2899.1	2926.8	3036.1	3245.9	3516.1	3856.7	4750.2	5732.9	6014.4	6348.6	6971.9
62.5°	2543.5	2571.1	2677.9	2887.8	3119.0	3480.9	4380.7	5802.0	6251.9	6725.6	7668.1
65°	1802.0	1758.1	1881.2	2069.7	2334.9	2685.5	3540.0	5338.3	5985.5	6627.6	7791.3
67.5°	1004.1	1000.3	1075.7	1216.4	1470.3	1847.3	2439.2	4094.2	4689.8	5417.4	6846.3
70°	692.4	700.0	747.7	899.8	1109.6	1435.1	1738.0	2571.1	2999.6	3493.5	4898.4
72.5°	486.3	502.7	529.1	619.5	834.4	1208.9	1775.7	1536.9	1750.5	2087.3	2945.6
75°	285.3	296.6	315.4	359.4	475.0	808.0	1838.5	1350.9	1350.9	1430.1	1781.9
77.5°	175.9	175.9	187.2	204.8	252.6	395.8	1309.4	1518.0	1475.3	1430.1	1433.8
80°	90.5	96.8	113.1	121.9	140.7	181.0	588.1	1416.3	1553.2	1645.0	1580.9
82.5°	41.5	46.5	69.1	74.1	81.7	95.5	202.3	805.5	1079.5	1421.3	1775.7
85°	21.4	21.4	36.4	45.2	49.0	44.0	74.1	325.5	492.6	751.5	1176.2
87.5°	3.8	3.8	6.3	7.5	11.3	10.1	12.6	18.8	31.4	33.9	35.2
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°	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9
2.5°	1177.5	1178.7	1177.5	1176.2	1173.7	1173.7	1173.7	1172.5	1172.5	1172.5	1171.2
5°	1211.4	1206.4	1207.6	1205.1	1203.9	1202.6	1203.9	1201.4	1198.8	1200.1	1198.8
7.5°	1254.1	1251.6	1246.6	1246.6	1245.3	1242.8	1242.8	1239.1	1237.8	1235.3	1234.0
10°	1301.9	1295.6	1298.1	1295.6	1296.9	1291.8	1289.3	1286.8	1284.3	1284.3	1285.6
12.5°	1350.9	1349.6	1345.9	1343.4	1343.4	1339.6	1340.9	1339.6	1335.8	1334.6	1330.8
15°	1401.2	1401.2	1397.4	1398.7	1397.4	1394.9	1392.4	1392.4	1389.9	1387.3	1388.6
17.5°	1460.2	1460.2	1460.2	1460.2	1461.5	1457.7	1459.0	1456.5	1454.0	1459.0	1459.0
20°	1536.9	1541.9	1541.9	1540.7	1546.9	1543.2	1541.9	1548.2	1541.9	1550.7	1549.5
22.5°	1624.9	1629.9	1629.9	1634.9	1636.2	1639.9	1642.4	1639.9	1645.0	1650.0	1650.0
25°	1722.9	1727.9	1731.7	1739.2	1743.0	1740.5	1741.7	1748.0	1750.5	1755.5	1760.6
27.5°	1825.9	1827.2	1832.2	1841.0	1847.3	1849.8	1851.1	1861.1	1862.4	1864.9	1869.9
30°	1926.5	1939.0	1936.5	1947.8	1951.6	1955.4	1962.9	1966.7	1975.5	1980.5	1980.5
32.5°	2044.6	2042.1	2052.1	2060.9	2067.2	2073.5	2079.8	2084.8	2089.8	2092.3	2104.9
35°	2191.6	2196.6	2196.6	2197.9	2213.0	2214.2	2219.3	2230.6	2234.3	2241.9	2246.9
37.5°	2337.4	2328.6	2327.3	2327.3	2322.3	2326.1	2327.3	2328.6	2333.6	2334.9	2339.9
40°	2500.7	2489.4	2479.4	2473.1	2463.0	2449.2	2446.7	2440.4	2444.2	2442.9	2444.2
42.5°	2724.4	2693.0	2669.1	2651.5	2631.4	2616.4	2605.0	2588.7	2577.4	2563.6	2561.1
45°	3009.7	2950.6	2910.4	2881.5	2852.6	2811.1	2787.3	2762.1	2739.5	2716.9	2698.0
47.5°	3384.2	3321.3	3257.3	3204.5	3159.2	3092.6	3024.8	2987.1	2943.1	2904.1	2876.5
50°	3825.3	3749.9	3719.7	3645.6	3589.0	3488.5	3404.3	3342.7	3254.7	3195.7	3144.2
52.5°	4276.4	4257.5	4241.2	4178.4	4111.8	4054.0	3979.8	3871.8	3782.5	3714.7	3609.1
55°	4890.9	4899.7	4893.4	4859.5	4835.6	4780.3	4750.2	4655.9	4615.7	4517.7	4407.1
57.5°	5925.1	5995.5	6084.7	6119.9	6167.7	6122.4	6175.2	6239.3	6079.7	6135.0	6035.7
60°	7245.9	7568.8	7761.1	7997.4	8151.9	8368.1	8407.0	8463.6	8447.2	8478.7	8542.7
62.5°	8052.7	8435.9	8804.1	9071.8	9358.3	9516.7	9707.7	9840.9	9979.1	10072.1	10045.7
65°	8290.2	8684.7	9019.0	9311.8	9568.2	9761.7	9938.9	10106.0	10232.9	10322.2	10375.0
67.5°	7418.0	7933.3	8285.1	8628.2	8958.7	9162.3	9310.6	9472.7	9658.7	9813.2	9843.4
70°	5582.1	6354.9	6853.8	7264.7	7653.0	7927.0	8134.3	8285.1	8429.6	8540.2	8660.9
72.5°	3491.0	4167.1	4737.6	5270.4	5682.6	6059.6	6234.3	6568.5	6524.6	6608.8	6699.2
75°	2092.3	2421.6	2735.7	3111.5	3327.6	3641.8	3698.3	3753.6	3724.7	3630.5	3700.9
77.5°	1454.0	1508.0	1505.5	1484.1	1461.5	1406.2	1334.6	1295.6	1269.2	1231.5	1246.6
80°	1462.7	1345.9	1167.4	981.4	810.5	697.4	652.2	652.2	698.7	765.3	831.9
82.5°	1748.0	1623.6	1447.7	1211.4	960.1	781.6	662.3	614.5	623.3	691.2	776.6
85°	1178.7	1206.4	1058.1	967.6	766.6	596.9	500.1	405.9	359.4	370.7	419.7
87.5°	42.7	51.5	18.8	25.1	17.6	15.1	15.1	16.3	11.3	13.8	12.6
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°	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9
2.5°	1169.9	1168.7	1168.7	1166.2	1166.2	1164.9	1164.9	1163.7	1162.4	1162.4	1161.1
5°	1197.6	1196.3	1193.8	1192.6	1190.1	1190.1	1188.8	1186.3	1186.3	1183.8	1182.5
7.5°	1236.5	1234.0	1231.5	1230.3	1229.0	1225.2	1225.2	1222.7	1222.7	1220.2	1219.0
10°	1283.0	1280.5	1278.0	1279.3	1275.5	1274.2	1271.7	1271.7	1268.0	1266.7	1266.7
12.5°	1333.3	1332.1	1332.1	1328.3	1327.0	1325.8	1320.7	1320.7	1320.7	1318.2	1319.5
15°	1387.3	1388.6	1384.8	1388.6	1387.3	1383.6	1383.6	1383.6	1378.6	1384.8	1379.8
17.5°	1460.2	1464.0	1461.5	1462.7	1460.2	1460.2	1461.5	1460.2	1462.7	1462.7	1470.3
20°	1550.7	1552.0	1558.3	1555.7	1555.7	1554.5	1557.0	1558.3	1563.3	1560.8	1565.8
22.5°	1650.0	1656.3	1657.5	1662.6	1662.6	1661.3	1663.8	1668.8	1671.4	1675.1	1673.9
25°	1763.1	1766.9	1771.9	1765.6	1775.7	1775.7	1778.2	1784.5	1785.7	1785.7	1794.5
27.5°	1868.6	1878.7	1880.0	1886.2	1882.5	1885.0	1893.8	1897.6	1902.6	1902.6	1905.1
30°	1988.0	1991.8	1994.3	2001.9	2000.6	2001.9	2003.1	2009.4	2009.4	2015.7	2022.0
32.5°	2111.2	2113.7	2116.2	2123.7	2126.3	2131.3	2128.8	2133.8	2140.1	2141.3	2145.1
35°	2258.2	2260.7	2263.2	2274.5	2275.8	2284.6	2287.1	2284.6	2294.7	2288.4	2294.7
37.5°	2343.7	2355.0	2357.5	2365.0	2362.5	2368.8	2372.6	2377.6	2380.1	2385.1	2395.2
40°	2448.0	2451.7	2459.3	2463.0	2468.1	2469.3	2474.4	2478.1	2481.9	2493.2	2504.5
42.5°	2554.8	2559.8	2563.6	2568.6	2574.9	2579.9	2583.7	2595.0	2597.5	2605.0	2626.4
45°	2684.2	2681.7	2683.0	2684.2	2686.7	2693.0	2704.3	2715.6	2723.2	2740.8	2758.4
47.5°	2845.1	2828.7	2822.4	2812.4	2814.9	2828.7	2831.2	2850.1	2865.2	2881.5	2902.9
50°	3088.9	3044.9	3018.5	2992.1	2989.6	2997.1	3007.2	3027.3	3044.9	3066.2	3096.4
52.5°	3498.5	3414.3	3361.6	3288.7	3268.6	3264.8	3257.3	3268.6	3273.6	3302.5	3359.0
55°	4327.9	4172.1	4071.6	3958.5	3852.9	3821.5	3761.2	3773.7	3761.2	3778.8	3863.0
57.5°	6059.6	5935.2	5837.2	5692.7	5511.7	5319.4	5271.7	5074.4	5113.3	5226.4	5153.5
60°	8574.2	8528.9	8458.6	8389.4	8141.9	8002.4	7774.9	7749.8	7590.2	7591.5	7487.2
62.5°	9981.6	10039.4	9996.7	9976.6	9962.8	9918.8	9805.7	9670.0	9466.4	9319.4	9103.2
65°	10383.7	10334.7	10288.2	10282.0	10278.2	10349.8	10366.2	10270.6	10085.9	9857.2	9608.4
67.5°	9915.0	9887.4	9889.9	9837.1	9869.8	9994.2	10080.9	10054.5	9884.9	9608.4	9291.7
70°	8799.1	8745.1	8800.4	8869.5	8918.5	8990.1	9076.8	9098.2	8943.6	8659.6	8336.7
72.5°	6588.6	6597.4	6650.2	6669.1	6866.4	6846.3	6924.2	6670.3	6558.5	6288.3	6122.4
75°	3467.1	3410.6	3557.6	3245.9	3117.8	3207.0	2956.9	2716.9	2767.2	2808.6	2509.5
77.5°	1225.2	1146.1	1011.6	957.6	796.7	674.8	551.7	497.6	468.7	453.7	434.8
80°	879.7	904.8	877.1	811.8	689.9	552.9	436.1	344.3	295.3	268.9	251.3
82.5°	889.7	989.0	1033.0	1014.1	903.5	683.6	451.1	287.8	213.6	178.4	165.9
85°	477.5	522.8	502.7	423.5	380.8	227.5	155.8	104.3	88.0	80.4	74.1
87.5°	18.8	15.1	12.6	12.6	13.8	15.1	12.6	13.8	12.6	12.6	12.6
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: P154574

CATALOG NUMBER: TLM-F05-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9
2.5°	1158.6	1158.6	1158.6	1157.4	1154.9	1148.6	1142.3	1137.3	1133.5	1129.7	1124.7
5°	1181.3	1178.7	1178.7	1178.7	1168.7	1158.6	1149.8	1141.0	1133.5	1127.2	1122.2
7.5°	1219.0	1217.7	1212.7	1211.4	1203.9	1187.5	1177.5	1162.4	1153.6	1144.8	1142.3
10°	1264.2	1262.9	1261.7	1260.4	1250.4	1234.0	1221.5	1207.6	1195.1	1182.5	1169.9
12.5°	1317.0	1315.7	1314.5	1310.7	1306.9	1298.1	1284.3	1269.2	1254.1	1227.8	1213.9
15°	1382.3	1384.8	1382.3	1381.1	1378.6	1379.8	1371.0	1349.6	1325.8	1291.8	1262.9
17.5°	1469.0	1466.5	1465.3	1470.3	1469.0	1475.3	1472.8	1445.2	1408.7	1354.7	1304.4
20°	1564.5	1564.5	1569.6	1573.3	1584.6	1601.0	1593.4	1559.5	1492.9	1417.5	1352.2
22.5°	1678.9	1681.4	1686.4	1683.9	1701.5	1727.9	1730.4	1682.7	1596.0	1491.7	1399.9
25°	1798.3	1800.8	1795.8	1803.3	1832.2	1869.9	1877.4	1809.6	1695.2	1559.5	1440.1
27.5°	1911.4	1913.9	1913.9	1923.9	1951.6	2015.7	2023.2	1947.8	1795.8	1618.6	1469.0
30°	2022.0	2032.0	2034.5	2037.0	2078.5	2167.7	2184.1	2074.7	1883.7	1662.6	1489.1
32.5°	2161.4	2165.2	2170.2	2176.5	2224.3	2333.6	2333.6	2184.1	1940.3	1690.2	1492.9
35°	2311.0	2312.2	2323.6	2324.8	2392.7	2502.0	2480.6	2274.5	1980.5	1683.9	1465.3
37.5°	2401.5	2406.5	2417.8	2432.9	2504.5	2659.1	2610.1	2352.5	1988.0	1642.4	1402.4
40°	2513.3	2523.4	2534.7	2549.8	2656.6	2818.7	2719.4	2401.5	1956.6	1560.8	1308.2
42.5°	2634.0	2647.8	2665.4	2693.0	2819.9	2959.4	2802.3	2409.0	1885.0	1469.0	1196.3
45°	2769.7	2794.8	2814.9	2847.6	2990.8	3081.3	2852.6	2365.0	1794.5	1348.4	1077.0
47.5°	2926.8	2946.9	2982.0	3017.2	3160.5	3164.3	2857.6	2279.6	1671.4	1227.8	950.0
50°	3120.3	3132.8	3185.6	3207.0	3341.4	3251.0	2821.2	2164.0	1541.9	1092.0	809.3
52.5°	3377.9	3395.5	3463.3	3496.0	3591.5	3369.1	2769.7	2038.3	1393.6	940.0	664.8
55°	3886.8	3963.5	4011.2	4067.8	4129.4	3636.8	2747.0	1903.8	1226.5	764.0	526.5
57.5°	5315.7	5290.5	5396.1	5524.3	5523.0	4248.8	2882.8	1788.2	1029.2	584.3	404.6
60°	7444.4	7468.3	7414.3	7490.9	7247.1	5007.8	3068.8	1666.3	806.8	434.8	309.1
62.5°	9026.6	8888.3	8811.7	8721.2	8184.6	5090.7	2933.0	1416.3	586.9	305.4	237.5
65°	9401.0	9238.9	9074.3	8902.1	8092.9	4589.3	2406.5	1039.3	379.5	209.9	188.5
67.5°	9031.6	8771.5	8561.6	8384.4	7415.5	3803.9	1759.3	638.4	217.4	169.6	160.9
70°	8074.0	7786.2	7446.9	7248.4	6244.3	2803.6	1127.2	344.3	167.1	150.8	147.0
72.5°	5910.1	5673.8	5303.1	5075.6	4483.7	1704.0	629.6	193.5	155.8	144.5	139.5
75°	2302.2	2179.0	2024.5	2037.0	1818.4	754.0	285.3	167.1	152.1	142.0	137.0
77.5°	395.8	385.8	356.9	356.9	405.9	275.2	189.8	168.4	150.8	139.5	130.7
80°	237.5	232.5	221.2	218.7	211.1	193.5	182.2	170.9	148.3	131.9	120.6
82.5°	155.8	149.5	145.8	144.5	157.1	169.6	170.9	169.6	140.7	114.4	98.0
85°	66.6	66.6	66.6	67.9	90.5	137.0	140.7	150.8	115.6	89.2	70.4
87.5°	11.3	13.8	13.8	15.1	16.3	30.2	37.7	49.0	39.0	37.7	33.9
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: P154574

CATALOG NUMBER: TLM-F05-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1154.9	1154.9	1154.9
2.5°	1123.5	1120.9	1120.9
5°	1119.7	1117.2	1118.4
7.5°	1134.8	1129.7	1131.0
10°	1162.4	1157.4	1154.9
12.5°	1197.6	1191.3	1191.3
15°	1234.0	1219.0	1217.7
17.5°	1264.2	1245.3	1242.8
20°	1298.1	1273.0	1269.2
22.5°	1329.5	1295.6	1290.6
25°	1352.2	1310.7	1304.4
27.5°	1362.2	1313.2	1308.2
30°	1369.8	1314.5	1306.9
32.5°	1362.2	1303.2	1296.9
35°	1320.7	1256.7	1252.9
37.5°	1249.1	1177.5	1172.5
40°	1154.9	1079.5	1066.9
42.5°	1034.2	963.9	950.0
45°	917.4	836.9	830.6
47.5°	791.7	715.0	718.8
50°	659.7	590.6	589.4
52.5°	534.1	473.8	470.0
55°	421.0	378.3	374.5
57.5°	333.0	310.4	306.6
60°	271.4	260.1	256.4
62.5°	218.7	214.9	213.6
65°	182.2	182.2	182.2
67.5°	158.3	159.6	159.6
70°	145.8	147.0	145.8
72.5°	140.7	144.5	144.5
75°	137.0	139.5	134.5
77.5°	134.5	135.7	126.9
80°	133.2	131.9	115.6
82.5°	115.6	111.8	98.0
85°	105.6	80.4	67.9
87.5°	54.0	37.7	28.9
90°	0.0	0.0	0.0

(END OF REPORT)