

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: P154575

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154575
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
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

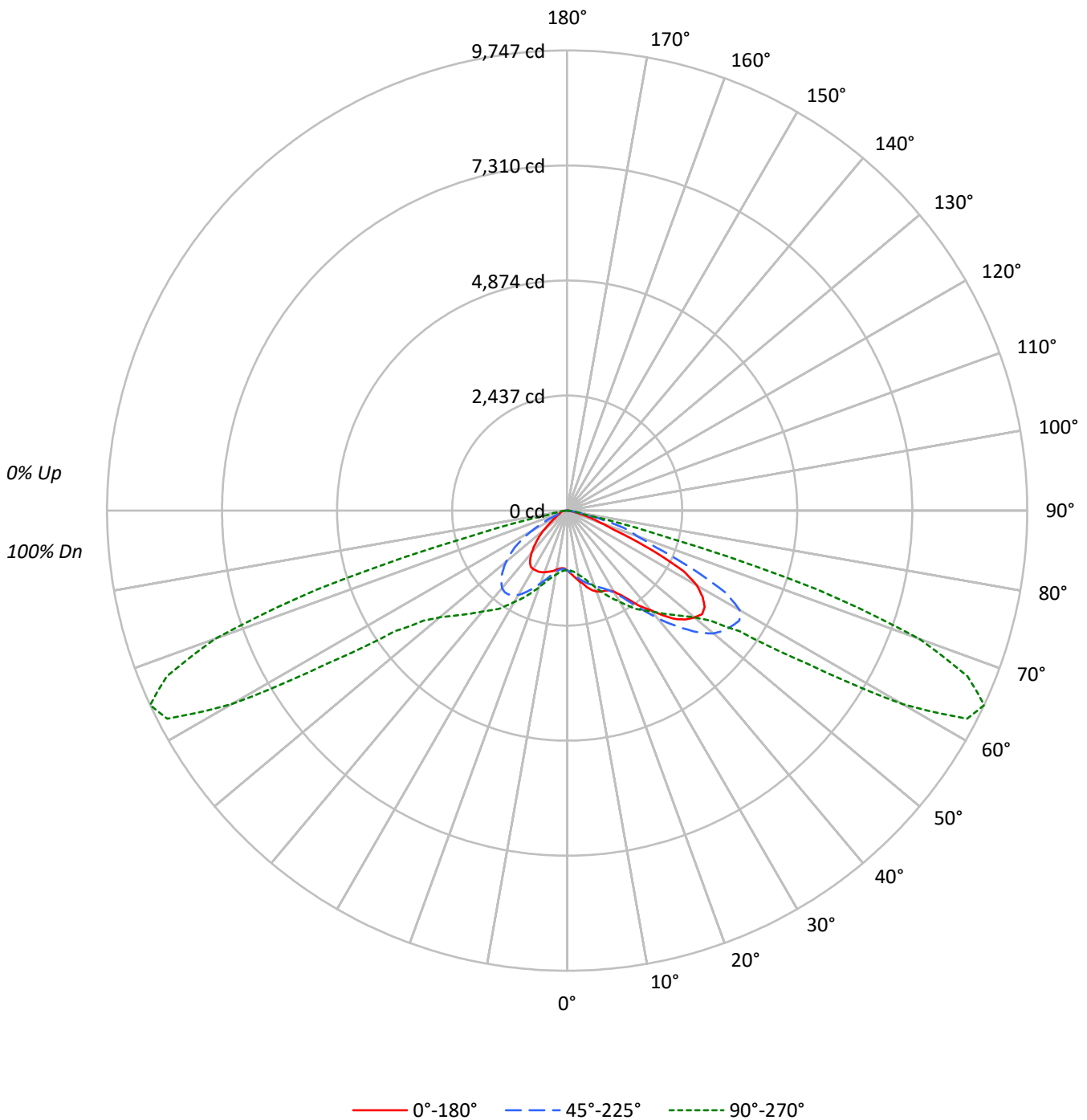
Lumens per Lamp: N/A
Luminaire Lumens: 12646.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	16397	16397	16397
5°	17930	16801	15941
10°	20057	18173	16650
15°	22721	20302	17900
20°	25198	23773	19178
25°	26834	28252	20436
30°	29628	33398	21427
35°	36682	40298	21716
40°	46562	47261	19775
45°	59628	57180	16681
50°	71036	70840	13019
55°	80415	100698	9270
60°	82327	212726	7281
65°	60544	299090	6122
70°	28745	300914	6052
75°	15648	111753	7376
80°	7401	17879	9455
85°	3482	11056	11056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	1.0
10°-20°	434.9	3.4
20°-30°	854.4	6.8
30°-40°	1419.7	11.2
40°-50°	2086.1	16.5
50°-60°	2888.1	22.8
60°-70°	3447.2	27.3
70°-80°	1219.1	9.6
80°-90°	170.3	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°	1415.9	11.2
0°-40°	2835.6	22.4
0°-60°	7809.8	61.8
0°-90°	12646.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12646.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1264	1264	1264	1264	1264	
5°	1377	1351	1291	1241	1224	136
15°	1692	1586	1512	1452	1333	481
25°	1875	1819	1974	1856	1428	874
35°	2317	2395	2545	2168	1372	1481
45°	3251	3548	3118	1965	910	2488
55°	3557	4264	4454	1343	410	3116
65°	1973	2940	9747	416	200	1924
75°	312	885	2230	166	147	385
85°	23	48	74	127	74	33
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°	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4
2.5°	1319.5	1320.8	1318.1	1316.7	1312.6	1305.7	1300.2	1294.7	1294.7	1294.7	1290.6
5°	1377.3	1380.0	1374.5	1370.4	1358.0	1351.1	1341.5	1334.6	1331.8	1330.5	1326.3
7.5°	1450.2	1446.0	1437.8	1435.0	1425.4	1410.3	1392.4	1378.6	1378.6	1377.3	1378.6
10°	1523.1	1512.1	1508.0	1503.8	1488.7	1469.4	1448.8	1433.7	1432.3	1430.9	1426.8
12.5°	1596.0	1591.9	1587.8	1572.6	1557.5	1527.2	1503.8	1488.7	1487.3	1488.7	1483.2
15°	1692.3	1682.7	1678.6	1652.4	1619.4	1586.4	1557.5	1543.7	1539.6	1541.0	1536.9
17.5°	1766.6	1766.6	1757.0	1728.1	1685.4	1640.0	1609.8	1601.5	1600.1	1600.1	1601.5
20°	1825.8	1824.4	1814.8	1791.4	1740.5	1695.1	1679.9	1677.2	1675.8	1675.8	1679.9
22.5°	1858.8	1856.1	1851.9	1825.8	1785.9	1755.6	1757.0	1765.2	1768.0	1770.8	1776.3
25°	1875.3	1871.2	1869.8	1851.9	1823.0	1818.9	1843.7	1865.7	1871.2	1876.7	1883.6
27.5°	1902.8	1896.0	1898.7	1891.8	1884.9	1897.3	1948.2	1971.6	1975.8	1982.6	1986.8
30°	1978.5	1975.8	1986.8	1989.5	1995.0	2012.9	2059.7	2081.7	2091.3	2091.3	2110.6
32.5°	2123.0	2124.4	2127.1	2156.0	2165.6	2178.0	2202.8	2220.7	2222.0	2223.4	2241.3
35°	2317.0	2325.2	2348.6	2373.4	2396.8	2395.4	2380.3	2389.9	2383.0	2391.3	2392.6
37.5°	2561.9	2550.9	2585.3	2641.7	2677.5	2667.8	2600.4	2556.4	2568.8	2563.3	2559.1
40°	2750.4	2762.8	2828.8	2903.1	2930.6	2960.9	2872.8	2797.2	2786.1	2765.5	2753.1
42.5°	3010.4	3011.8	3065.4	3120.5	3200.3	3266.3	3209.9	3101.2	3068.2	3043.4	2989.8
45°	3251.2	3247.1	3291.1	3358.5	3453.4	3548.4	3569.0	3450.7	3438.3	3394.3	3324.1
47.5°	3412.2	3406.7	3436.9	3525.0	3679.1	3834.6	3919.9	3884.1	3860.7	3842.8	3732.7
50°	3520.9	3509.9	3544.3	3637.8	3809.8	4049.2	4272.1	4302.4	4292.7	4292.7	4222.6
52.5°	3602.0	3602.0	3626.8	3702.5	3877.2	4175.8	4574.8	4727.5	4739.9	4753.6	4749.5
55°	3556.6	3563.5	3625.4	3735.5	3919.9	4263.8	4825.2	5159.5	5228.3	5286.1	5352.2
57.5°	3401.2	3424.6	3507.1	3687.3	3930.9	4329.9	5103.1	5764.9	5958.9	6126.8	6388.2
60°	3174.1	3204.4	3324.1	3553.9	3849.7	4222.6	5200.8	6276.7	6584.9	6950.9	7633.4
62.5°	2784.8	2815.0	2932.0	3161.8	3414.9	3811.2	4796.3	6352.4	6845.0	7363.7	8395.6
65°	1973.0	1924.8	2059.7	2266.1	2556.4	2940.2	3875.8	5844.7	6553.3	7256.4	8530.4
67.5°	1099.3	1095.2	1177.7	1331.8	1609.8	2022.5	2670.6	4482.6	5134.8	5931.4	7495.8
70°	758.1	766.4	818.6	985.1	1214.9	1571.2	1902.8	2815.0	3284.2	3824.9	5363.2
72.5°	532.5	550.3	579.2	678.3	913.6	1323.6	1944.1	1682.7	1916.6	2285.3	3225.1
75°	312.3	324.7	345.3	393.5	520.1	884.7	2012.9	1479.1	1479.1	1565.7	1951.0
77.5°	192.6	192.6	205.0	224.3	276.6	433.4	1433.7	1662.1	1615.3	1565.7	1569.9
80°	99.1	105.9	123.8	133.5	154.1	198.1	643.9	1550.6	1700.6	1801.0	1730.9
82.5°	45.4	50.9	75.7	81.2	89.4	104.6	221.5	881.9	1181.9	1556.1	1944.1
85°	23.4	23.4	39.9	49.5	53.7	48.2	81.2	356.4	539.3	822.8	1287.8
87.5°	4.1	4.1	6.9	8.3	12.4	11.0	13.8	20.6	34.4	37.1	38.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4
2.5°	1289.2	1290.6	1289.2	1287.8	1285.1	1285.1	1285.1	1283.7	1283.7	1283.7	1282.3
5°	1326.3	1320.8	1322.2	1319.5	1318.1	1316.7	1318.1	1315.3	1312.6	1314.0	1312.6
7.5°	1373.1	1370.4	1364.9	1364.9	1363.5	1360.7	1360.7	1356.6	1355.2	1352.5	1351.1
10°	1425.4	1418.5	1421.3	1418.5	1419.9	1414.4	1411.6	1408.9	1406.1	1406.1	1407.5
12.5°	1479.1	1477.7	1473.6	1470.8	1470.8	1466.7	1468.1	1466.7	1462.6	1461.2	1457.1
15°	1534.1	1534.1	1530.0	1531.3	1530.0	1527.2	1524.5	1524.5	1521.7	1519.0	1520.3
17.5°	1598.8	1598.8	1598.8	1598.8	1600.1	1596.0	1597.4	1594.6	1591.9	1597.4	1597.4
20°	1682.7	1688.2	1688.2	1686.8	1693.7	1689.6	1688.2	1695.1	1688.2	1697.8	1696.5
22.5°	1779.0	1784.5	1784.5	1790.0	1791.4	1795.5	1798.3	1795.5	1801.0	1806.5	1806.5
25°	1886.3	1891.8	1896.0	1904.2	1908.3	1905.6	1907.0	1913.8	1916.6	1922.1	1927.6
27.5°	1999.1	2000.5	2006.0	2015.7	2022.5	2025.3	2026.7	2037.7	2039.0	2041.8	2047.3
30°	2109.2	2123.0	2120.2	2132.6	2136.7	2140.9	2149.1	2153.2	2162.9	2168.4	2168.4
32.5°	2238.5	2235.8	2246.8	2256.4	2263.3	2270.2	2277.1	2282.6	2288.1	2290.8	2304.6
35°	2399.5	2405.0	2405.0	2406.4	2422.9	2424.3	2429.8	2442.2	2446.3	2454.6	2460.1
37.5°	2559.1	2549.5	2548.1	2548.1	2542.6	2546.7	2548.1	2549.5	2555.0	2556.4	2561.9
40°	2738.0	2725.6	2714.6	2707.7	2696.7	2681.6	2678.8	2671.9	2676.1	2674.7	2676.1
42.5°	2982.9	2948.5	2922.4	2903.1	2881.1	2864.6	2852.2	2834.3	2821.9	2806.8	2804.0
45°	3295.2	3230.6	3186.5	3154.9	3123.2	3077.8	3051.7	3024.2	2999.4	2974.6	2954.0
47.5°	3705.2	3636.4	3566.3	3508.5	3458.9	3386.0	3311.7	3270.5	3222.3	3179.6	3149.4
50°	4188.2	4105.6	4072.6	3991.4	3929.5	3819.4	3727.2	3659.8	3563.5	3498.8	3442.4
52.5°	4682.1	4661.5	4643.6	4574.8	4501.9	4438.6	4357.4	4239.1	4141.4	4067.1	3951.5
55°	5354.9	5364.5	5357.7	5320.5	5294.4	5233.8	5200.8	5097.6	5053.6	4946.3	4825.2
57.5°	6487.3	6564.3	6662.0	6700.5	6752.8	6703.3	6761.0	6831.2	6656.5	6717.0	6608.3
60°	7933.3	8286.9	8497.4	8756.1	8925.3	9162.0	9204.6	9266.5	9248.6	9283.0	9353.2
62.5°	8816.6	9236.2	9639.4	9932.4	10246.1	10419.5	10628.6	10774.5	10925.8	11027.6	10998.7
65°	9076.6	9508.7	9874.7	10195.2	10475.9	10687.8	10881.8	11064.8	11203.7	11301.4	11359.2
67.5°	8121.8	8685.9	9071.1	9446.8	9808.6	10031.5	10193.9	10371.3	10575.0	10744.2	10777.2
70°	6111.6	6957.8	7504.0	7953.9	8379.1	8679.0	8906.0	9071.1	9229.4	9350.4	9482.5
72.5°	3822.2	4562.4	5187.0	5770.4	6221.7	6634.5	6825.7	7191.7	7143.5	7235.7	7334.8
75°	2290.8	2651.3	2995.3	3406.7	3643.3	3987.3	4049.2	4109.7	4078.1	3974.9	4052.0
77.5°	1591.9	1651.0	1648.3	1624.9	1600.1	1539.6	1461.2	1418.5	1389.6	1348.4	1364.9
80°	1601.5	1473.6	1278.2	1074.6	887.4	763.6	714.1	714.1	765.0	837.9	910.8
82.5°	1913.8	1777.6	1585.0	1326.3	1051.2	855.8	725.1	672.8	682.4	756.7	850.3
85°	1290.6	1320.8	1158.5	1059.4	839.3	653.5	547.6	444.4	393.5	405.9	459.5
87.5°	46.8	56.4	20.6	27.5	19.3	16.5	16.5	17.9	12.4	15.1	13.8
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4
2.5°	1280.9	1279.6	1279.6	1276.8	1276.8	1275.4	1275.4	1274.1	1272.7	1272.7	1271.3
5°	1311.2	1309.8	1307.1	1305.7	1303.0	1303.0	1301.6	1298.8	1298.8	1296.1	1294.7
7.5°	1353.9	1351.1	1348.4	1347.0	1345.6	1341.5	1341.5	1338.7	1338.7	1336.0	1334.6
10°	1404.8	1402.0	1399.3	1400.6	1396.5	1395.1	1392.4	1392.4	1388.3	1386.9	1386.9
12.5°	1459.8	1458.4	1458.4	1454.3	1452.9	1451.5	1446.0	1446.0	1446.0	1443.3	1444.7
15°	1519.0	1520.3	1516.2	1520.3	1519.0	1514.8	1514.8	1514.8	1509.3	1516.2	1510.7
17.5°	1598.8	1602.9	1600.1	1601.5	1598.8	1598.8	1600.1	1598.8	1601.5	1601.5	1609.8
20°	1697.8	1699.2	1706.1	1703.3	1703.3	1702.0	1704.7	1706.1	1711.6	1708.8	1714.3
22.5°	1806.5	1813.4	1814.8	1820.3	1820.3	1818.9	1821.7	1827.2	1829.9	1834.0	1832.7
25°	1930.4	1934.5	1940.0	1933.1	1944.1	1944.1	1946.9	1953.7	1955.1	1955.1	1964.7
27.5°	2045.9	2056.9	2058.3	2065.2	2061.1	2063.8	2073.4	2077.6	2083.1	2083.1	2085.8
30°	2176.6	2180.8	2183.5	2191.8	2190.4	2191.8	2193.1	2200.0	2200.0	2206.9	2213.8
32.5°	2311.5	2314.2	2317.0	2325.2	2328.0	2333.5	2330.7	2336.2	2343.1	2344.5	2348.6
35°	2472.4	2475.2	2478.0	2490.3	2491.7	2501.3	2504.1	2501.3	2512.3	2505.5	2512.3
37.5°	2566.0	2578.4	2581.1	2589.4	2586.6	2593.5	2597.7	2603.2	2605.9	2611.4	2622.4
40°	2680.2	2684.3	2692.6	2696.7	2702.2	2703.6	2709.1	2713.2	2717.4	2729.7	2742.1
42.5°	2797.2	2802.7	2806.8	2812.3	2819.2	2824.7	2828.8	2841.2	2843.9	2852.2	2875.6
45°	2938.9	2936.1	2937.5	2938.9	2941.6	2948.5	2960.9	2973.3	2981.5	3000.8	3020.0
47.5°	3115.0	3097.1	3090.2	3079.2	3082.0	3097.1	3099.8	3120.5	3137.0	3154.9	3178.3
50°	3381.9	3333.7	3304.9	3276.0	3273.2	3281.5	3292.5	3314.5	3333.7	3357.1	3390.2
52.5°	3830.4	3738.3	3680.5	3600.7	3578.7	3574.5	3566.3	3578.7	3584.2	3615.8	3677.7
55°	4738.5	4567.9	4457.8	4334.0	4218.4	4184.0	4118.0	4131.8	4118.0	4137.3	4229.4
57.5°	6634.5	6498.3	6390.9	6232.7	6034.6	5824.1	5771.8	5555.8	5598.4	5722.3	5642.5
60°	9387.6	9338.1	9261.0	9185.3	8914.3	8761.6	8512.5	8485.0	8310.3	8311.7	8197.5
62.5°	10928.6	10991.9	10945.1	10923.1	10907.9	10859.8	10736.0	10587.4	10364.5	10203.5	9966.8
65°	11368.9	11315.2	11264.3	11257.4	11253.3	11331.7	11349.6	11245.0	11042.8	10792.4	10519.9
67.5°	10855.7	10825.4	10828.1	10770.3	10806.1	10942.3	11037.3	11008.4	10822.6	10519.9	10173.2
70°	9633.9	9574.7	9635.3	9710.9	9764.6	9843.0	9937.9	9961.3	9792.1	9481.2	9127.6
72.5°	7213.7	7223.3	7281.1	7301.8	7517.8	7495.8	7581.1	7303.1	7180.7	6884.9	6703.3
75°	3796.0	3734.1	3895.1	3553.9	3413.5	3511.2	3237.4	2974.6	3029.7	3075.1	2747.6
77.5°	1341.5	1254.8	1107.6	1048.4	872.3	738.8	604.0	544.8	513.2	496.7	476.1
80°	963.1	990.6	960.4	888.8	755.4	605.4	477.4	377.0	323.3	294.4	275.2
82.5°	974.1	1082.8	1131.0	1110.3	989.3	748.5	493.9	315.1	233.9	195.4	181.6
85°	522.8	572.4	550.3	463.7	416.9	249.0	170.6	114.2	96.3	88.1	81.2
87.5°	20.6	16.5	13.8	13.8	15.1	16.5	13.8	15.1	13.8	13.8	13.8
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: P154575

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

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4	1264.4
2.5°	1268.6	1268.6	1268.6	1267.2	1264.4	1257.5	1250.7	1245.2	1241.0	1236.9	1231.4
5°	1293.3	1290.6	1290.6	1290.6	1279.6	1268.6	1258.9	1249.3	1241.0	1234.2	1228.7
7.5°	1334.6	1333.2	1327.7	1326.3	1318.1	1300.2	1289.2	1272.7	1263.1	1253.4	1250.7
10°	1384.1	1382.8	1381.4	1380.0	1369.0	1351.1	1337.4	1322.2	1308.5	1294.7	1280.9
12.5°	1441.9	1440.5	1439.2	1435.0	1430.9	1421.3	1406.1	1389.6	1373.1	1344.2	1329.1
15°	1513.5	1516.2	1513.5	1512.1	1509.3	1510.7	1501.1	1477.7	1451.5	1414.4	1382.8
17.5°	1608.4	1605.6	1604.3	1609.8	1608.4	1615.3	1612.5	1582.3	1542.4	1483.2	1428.2
20°	1713.0	1713.0	1718.5	1722.6	1735.0	1752.9	1744.6	1707.5	1634.5	1552.0	1480.4
22.5°	1838.2	1840.9	1846.4	1843.7	1862.9	1891.8	1894.6	1842.3	1747.4	1633.2	1532.7
25°	1968.9	1971.6	1966.1	1974.4	2006.0	2047.3	2055.6	1981.3	1856.1	1707.5	1576.8
27.5°	2092.7	2095.5	2095.5	2106.5	2136.7	2206.9	2215.2	2132.6	1966.1	1772.1	1608.4
30°	2213.8	2224.8	2227.5	2230.3	2275.7	2373.4	2391.3	2271.6	2062.4	1820.3	1630.4
32.5°	2366.5	2370.6	2376.1	2383.0	2435.3	2555.0	2555.0	2391.3	2124.4	1850.6	1634.5
35°	2530.2	2531.6	2544.0	2545.4	2619.7	2739.4	2716.0	2490.3	2168.4	1843.7	1604.3
37.5°	2629.3	2634.8	2647.2	2663.7	2742.1	2911.4	2857.7	2575.6	2176.6	1798.3	1535.5
40°	2751.7	2762.8	2775.1	2791.7	2908.6	3086.1	2977.4	2629.3	2142.2	1708.8	1432.3
42.5°	2883.8	2899.0	2918.2	2948.5	3087.5	3240.2	3068.2	2637.6	2063.8	1608.4	1309.8
45°	3032.4	3059.9	3082.0	3117.7	3274.6	3373.6	3123.2	2589.4	1964.7	1476.3	1179.1
47.5°	3204.4	3226.4	3265.0	3303.5	3460.3	3464.5	3128.7	2495.8	1829.9	1344.2	1040.2
50°	3416.3	3430.1	3487.8	3511.2	3658.5	3559.4	3088.8	2369.3	1688.2	1195.6	886.1
52.5°	3698.4	3717.6	3791.9	3827.7	3932.3	3688.7	3032.4	2231.7	1525.8	1029.2	727.8
55°	4255.6	4339.5	4391.8	4453.7	4521.1	3981.8	3007.7	2084.5	1342.9	836.5	576.5
57.5°	5820.0	5792.4	5908.0	6048.3	6047.0	4651.8	3156.3	1957.9	1126.8	639.8	443.0
60°	8150.7	8176.8	8117.7	8201.6	7934.7	5482.9	3359.9	1824.4	883.3	476.1	338.5
62.5°	9882.9	9731.6	9647.6	9548.6	8961.1	5573.7	3211.3	1550.6	642.5	334.3	260.0
65°	10292.9	10115.4	9935.2	9746.7	8860.6	5024.7	2634.8	1137.8	415.5	229.8	206.4
67.5°	9888.4	9603.6	9373.8	9179.8	8119.0	4164.8	1926.2	698.9	238.0	185.7	176.1
70°	8840.0	8524.9	8153.4	7936.0	6836.7	3069.6	1234.2	377.0	183.0	165.1	161.0
72.5°	6470.7	6212.1	5806.2	5557.2	4909.1	1865.7	689.3	211.9	170.6	158.2	152.7
75°	2520.6	2385.8	2216.5	2230.3	1990.9	825.5	312.3	183.0	166.5	155.5	150.0
77.5°	433.4	422.4	390.7	390.7	444.4	301.3	207.8	184.4	165.1	152.7	143.1
80°	260.0	254.5	242.2	239.4	231.1	211.9	199.5	187.1	162.4	144.5	132.1
82.5°	170.6	163.7	159.6	158.2	172.0	185.7	187.1	185.7	154.1	125.2	107.3
85°	72.9	72.9	72.9	74.3	99.1	150.0	154.1	165.1	126.6	97.7	77.0
87.5°	12.4	15.1	15.1	16.5	17.9	33.0	41.3	53.7	42.7	41.3	37.1
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: P154575

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

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1264.4	1264.4	1264.4
2.5°	1230.0	1227.3	1227.3
5°	1225.9	1223.2	1224.5
7.5°	1242.4	1236.9	1238.3
10°	1272.7	1267.2	1264.4
12.5°	1311.2	1304.3	1304.3
15°	1351.1	1334.6	1333.2
17.5°	1384.1	1363.5	1360.7
20°	1421.3	1393.8	1389.6
22.5°	1455.7	1418.5	1413.0
25°	1480.4	1435.0	1428.2
27.5°	1491.4	1437.8	1432.3
30°	1499.7	1439.2	1430.9
32.5°	1491.4	1426.8	1419.9
35°	1446.0	1375.9	1371.7
37.5°	1367.6	1289.2	1283.7
40°	1264.4	1181.9	1168.1
42.5°	1132.3	1055.3	1040.2
45°	1004.4	916.3	909.5
47.5°	866.8	782.9	787.0
50°	722.3	646.7	645.3
52.5°	584.7	518.7	514.6
55°	460.9	414.1	410.0
57.5°	364.6	339.8	335.7
60°	297.2	284.8	280.7
62.5°	239.4	235.3	233.9
65°	199.5	199.5	199.5
67.5°	173.4	174.7	174.7
70°	159.6	161.0	159.6
72.5°	154.1	158.2	158.2
75°	150.0	152.7	147.2
77.5°	147.2	148.6	139.0
80°	145.8	144.5	126.6
82.5°	126.6	122.5	107.3
85°	115.6	88.1	74.3
87.5°	59.2	41.3	31.6
90°	0.0	0.0	0.0

(END OF REPORT)