

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: P152975

Luminaire Tested: **TLM-F06-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152975
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-F06-LED-E1-SLL
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

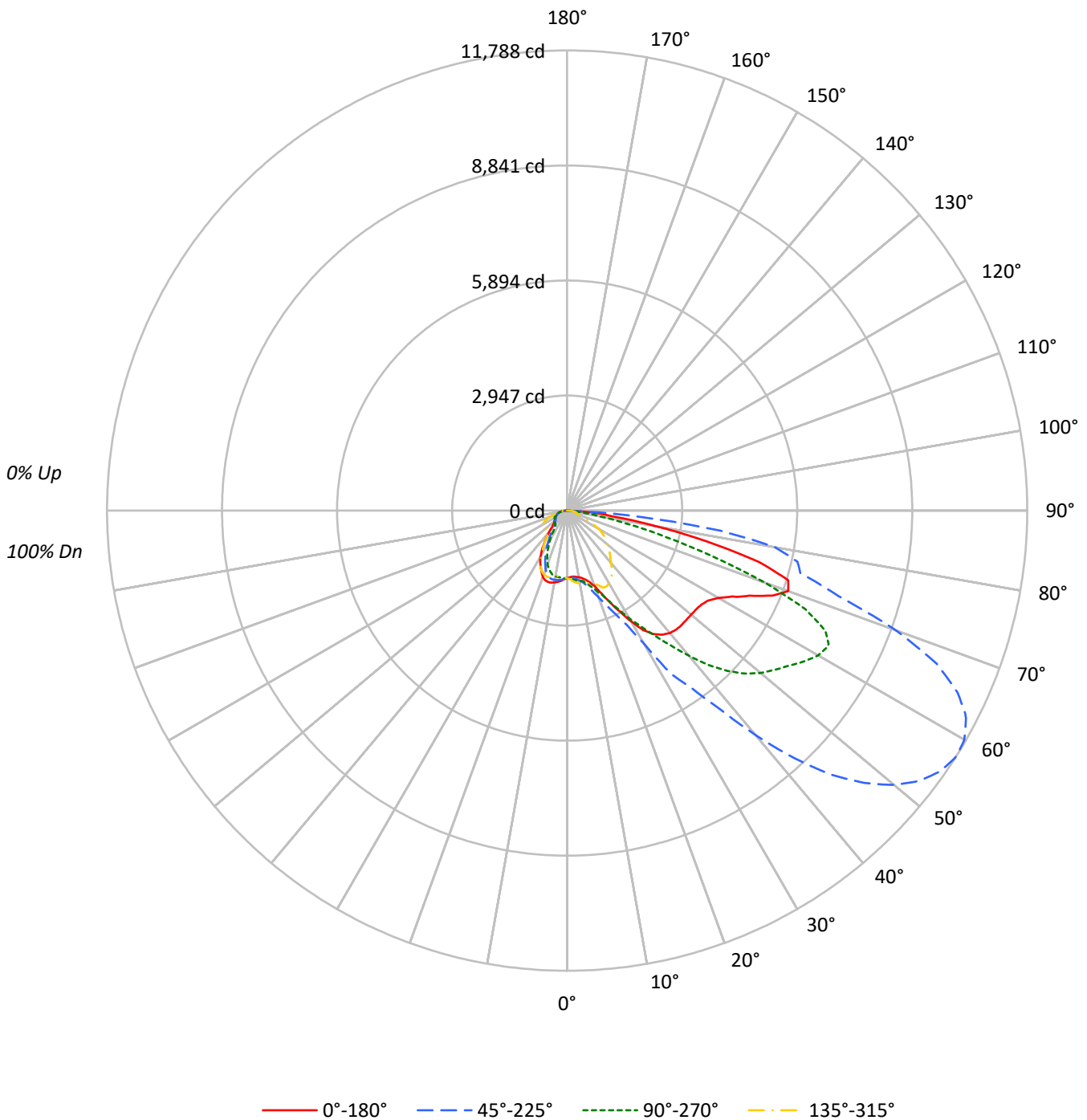
Lumens per Lamp: N/A
Luminaire Lumens: 13781.9 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 156.5
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: P152975
CATALOG NUMBER: TLM-F06-LED-E1-SLL

Luminous Intensity Polar Plot





TEST NUMBER: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

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	105	99	93	88	102	97	91	87	92	88	84	88	85	81	84	82	79	77
2	93	82	73	66	90	80	72	65	76	70	64	73	67	62	70	65	61	58
3	82	69	59	51	80	68	58	50	64	56	49	61	54	48	59	53	47	45
4	74	59	48	40	71	58	48	40	55	46	39	52	45	39	50	44	38	35
5	67	51	41	33	64	50	40	32	48	39	32	46	38	32	44	37	31	29
6	61	45	35	27	59	44	34	27	42	33	27	40	32	26	39	32	26	24
7	56	40	30	23	54	39	30	23	38	29	23	36	28	22	35	27	22	20
8	52	36	26	20	50	35	26	20	34	25	19	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	29	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	20	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18643	18643	18643	18643
5°	18321	19124	19534	18642
10°	18948	19887	20410	18713
15°	20441	21489	21104	18214
20°	23622	24945	20804	16794
25°	30923	30550	18981	14177
30°	40755	39646	16930	10979
35°	50768	51309	13559	7507
40°	57534	68229	9929	6565
45°	63083	88368	7465	6887
50°	69451	108324	7134	7050
55°	78730	129979	7281	7219
60°	96288	159840	7927	7927
65°	131326	185994	8369	8242
70°	189657	169289	8834	8730
75°	211557	109590	9748	9199
80°	144609	53216	11158	9930
85°	93800	25898	13462	12239



TEST NUMBER: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.2
10°-20°	525.1	3.8
20°-30°	932.8	6.8
30°-40°	1469.0	10.7
40°-50°	2161.9	15.7
50°-60°	2871.6	20.8
60°-70°	3163.1	23.0
70°-80°	1984.5	14.4
80°-90°	505.4	3.7
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°	1626.5	11.8
0°-40°	3095.5	22.5
0°-60°	8128.9	59.0
0°-90°	13781.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13781.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1732	1732	1732	1732	1732	
5°	1696	1770	1808	1725	1696	164
15°	1834	1928	1894	1634	1834	531
25°	2604	2572	1598	1194	2604	1229
35°	3864	3905	1032	571	3864	2394
45°	4144	5805	490	452	4144	3204
55°	4195	6926	388	385	4195	3805
65°	5156	7303	329	324	5156	5191
75°	5087	2635	234	221	5087	4975
85°	760	210	109	99	760	878
90°	0	0	0	0	0	



TEST NUMBER: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1708.8	1712.1	1712.1	1710.5	1710.5	1713.8	1712.1	1710.5	1705.5	1712.1	1712.1
5°	1695.6	1698.9	1698.9	1702.2	1705.5	1708.8	1708.8	1712.1	1710.5	1717.1	1722.0
7.5°	1712.1	1715.4	1722.0	1730.3	1735.3	1746.8	1746.8	1755.1	1758.4	1763.3	1761.7
10°	1733.6	1741.9	1756.7	1769.9	1779.8	1793.0	1802.9	1814.5	1814.5	1819.5	1822.8
12.5°	1771.6	1779.8	1796.3	1812.9	1827.7	1844.2	1859.1	1870.6	1882.2	1885.5	1892.1
15°	1834.3	1844.2	1869.0	1892.1	1910.3	1931.7	1951.5	1974.7	1996.1	2001.1	2004.4
17.5°	1928.4	1948.2	1966.4	2007.7	2034.1	2062.2	2093.5	2126.6	2133.2	2167.8	2176.1
20°	2062.2	2086.9	2103.4	2154.6	2199.2	2235.5	2281.8	2319.7	2334.6	2367.6	2400.6
22.5°	2293.3	2288.4	2313.1	2364.3	2397.3	2470.0	2509.6	2549.2	2569.0	2618.6	2645.0
25°	2603.7	2630.1	2684.6	2689.6	2720.9	2805.1	2856.3	2895.9	2897.6	2912.5	2940.5
27.5°	2909.1	3018.1	3104.0	3150.2	3234.4	3312.0	3308.7	3364.8	3277.3	3295.5	3321.9
30°	3279.0	3460.6	3622.4	3731.4	3817.2	3908.0	3952.6	3984.0	3946.0	3929.5	3898.1
32.5°	3625.7	3880.0	4129.3	4322.4	4482.6	4632.8	4731.9	4776.5	4829.3	4963.1	5010.9
35°	3863.5	4223.4	4533.8	4812.8	5080.3	5319.7	5493.0	5592.1	5554.1	5536.0	5526.1
37.5°	4005.4	4444.6	4832.6	5227.2	5534.3	5892.6	6161.7	6422.6	6482.0	6378.0	6326.8
40°	4094.6	4614.7	5113.3	5578.9	5976.8	6439.1	6772.6	7163.9	7461.1	7500.7	7378.5
42.5°	4137.5	4728.6	5309.8	5836.5	6374.7	6941.0	7363.7	7837.5	8281.7	8587.1	8511.2
45°	4144.1	4802.9	5453.4	6069.3	6709.9	7381.8	7926.7	8451.7	9046.1	9569.5	9584.3
47.5°	4144.1	4859.0	5552.5	6237.7	7010.4	7764.9	8359.3	8980.1	9708.2	10327.3	10517.2
50°	4147.4	4897.0	5644.9	6369.8	7239.9	8088.5	8760.5	9493.5	10259.6	10933.3	11299.8
52.5°	4162.3	4925.1	5717.6	6463.9	7388.4	8316.3	9072.5	9917.9	10680.6	11372.4	11846.3
55°	4195.3	4964.7	5770.4	6521.6	7487.5	8464.9	9298.7	10208.4	10953.1	11654.8	12316.8
57.5°	4287.8	5034.1	5834.8	6572.8	7542.0	8562.3	9457.2	10333.9	11057.1	11788.5	12566.1
60°	4472.7	5181.0	5945.4	6675.2	7632.8	8742.3	9533.2	10249.7	10981.1	11748.9	12622.3
62.5°	4768.2	5410.5	6099.0	6848.6	7892.0	9021.3	9475.4	9998.8	10682.3	11519.4	12422.5
63°	4870.6	5460.0	6133.7	6886.5	7963.0	9072.5	9450.6	9924.5	10621.2	11446.7	12351.5
65°	5156.2	5679.6	6298.8	7078.1	8255.2	9123.7	9257.4	9538.1	10198.5	11032.3	11932.1
67.5°	5689.5	6212.9	6653.7	7401.7	8501.3	8922.3	8658.1	8692.8	9382.9	10246.4	11055.4
70°	6026.3	6650.4	6879.9	7442.9	8456.7	8623.4	7882.1	7423.1	7976.2	8960.2	9668.5
72.5°	5938.8	6655.4	6630.6	6893.1	7565.1	7720.3	6952.6	6229.4	6558.0	7292.7	7751.7
75°	5086.9	5943.8	5762.2	5709.3	5945.4	6047.8	5471.6	5361.0	5775.4	6183.2	6189.8
77.5°	3662.0	4604.8	4391.8	4086.3	4069.8	4305.9	4383.5	5108.3	5720.9	6042.8	5900.9
80°	2332.9	3354.9	3133.7	2600.4	2592.1	2899.2	3581.1	4566.8	5215.7	5395.6	5025.8
82.5°	1218.5	2195.9	2280.1	1951.5	2233.9	2742.4	3407.8	3680.2	3926.2	3951.0	3515.1
85°	759.5	1350.6	1588.3	1639.5	2017.6	2432.0	2427.0	2331.3	2222.3	1902.0	1720.4
87.5°	85.9	170.1	257.6	244.4	328.6	460.6	574.6	336.8	236.1	85.9	118.9
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: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1715.4	1717.1	1718.7	1718.7	1727.0	1725.3	1727.0	1730.3	1735.3	1738.6	1741.9
5°	1728.6	1728.6	1735.3	1740.2	1750.1	1756.7	1760.0	1769.9	1781.5	1778.2	1788.1
7.5°	1771.6	1769.9	1776.5	1779.8	1788.1	1799.6	1798.0	1806.2	1816.2	1819.5	1827.7
10°	1829.4	1824.4	1824.4	1821.1	1822.8	1819.5	1819.5	1819.5	1826.1	1824.4	1831.0
12.5°	1888.8	1887.1	1883.8	1873.9	1873.9	1860.7	1854.1	1845.9	1844.2	1832.7	1834.3
15°	2011.0	2011.0	2004.4	1984.6	1968.1	1956.5	1940.0	1928.4	1911.9	1890.5	1878.9
17.5°	2189.3	2166.2	2157.9	2154.6	2128.2	2118.3	2082.0	2044.0	2025.8	1996.1	1979.6
20°	2407.2	2402.3	2369.3	2352.7	2319.7	2273.5	2227.3	2177.7	2148.0	2111.7	2091.9
22.5°	2653.2	2616.9	2600.4	2575.6	2524.5	2471.6	2402.3	2336.2	2290.0	2265.2	2250.4
25°	2940.5	2904.2	2887.7	2854.7	2791.9	2735.8	2649.9	2572.3	2531.1	2489.8	2466.7
27.5°	3321.9	3287.2	3267.4	3181.6	3160.1	3067.7	2962.0	2856.3	2801.8	2740.7	2701.1
30°	3891.5	3893.2	3790.8	3686.8	3579.5	3419.3	3308.7	3189.8	3100.7	3013.2	2925.7
32.5°	4854.1	4608.1	4418.2	4195.3	3962.5	3792.5	3655.4	3513.4	3389.6	3262.5	3117.2
35°	5441.9	5323.0	5077.0	4669.2	4434.7	4228.3	4076.4	3904.7	3752.8	3528.3	3307.1
37.5°	6105.6	5829.9	5531.0	5304.8	5039.0	4799.6	4545.3	4350.5	4088.0	3785.9	3472.2
40°	7074.7	6680.1	6320.2	6016.4	5673.0	5422.0	5138.1	4855.7	4507.4	4069.8	3638.9
42.5°	8086.8	7679.0	7203.5	6808.9	6404.4	6110.5	5758.9	5362.6	4850.8	4309.2	3782.6
45°	9148.5	8603.6	8034.0	7551.9	7130.9	6766.0	6330.1	5805.1	5181.0	4523.9	3916.3
47.5°	10195.2	9569.5	8890.9	8372.5	7824.3	7378.5	6843.6	6179.9	5438.6	4727.0	4050.0
50°	11118.2	10515.5	9698.3	9039.5	8484.7	7934.9	7267.9	6468.8	5641.6	4902.0	4170.6
52.5°	11914.0	11395.5	10535.3	9703.2	9064.3	8446.8	7609.7	6701.6	5846.4	5063.8	4269.6
55°	12498.4	12153.4	11360.9	10329.0	9574.4	8838.1	7898.6	6926.2	6039.5	5192.6	4334.0
57.5°	12939.3	12747.8	12067.5	10918.4	10043.3	9217.8	8197.5	7195.3	6231.1	5303.2	4363.7
60°	13180.3	13233.2	12602.5	11433.5	10457.7	9534.8	8496.3	7424.8	6373.1	5367.6	4347.2
62.5°	13157.2	13480.8	13003.7	11750.5	10698.8	9723.0	8697.7	7532.1	6353.2	5265.2	4197.0
63°	13112.6	13489.1	13048.2	11772.0	10713.7	9729.6	8702.7	7517.2	6312.0	5215.7	4137.5
65°	12727.9	13299.2	13010.3	11674.6	10581.6	9605.8	8598.7	7302.6	6021.4	4949.8	3832.1
67.5°	11697.7	12412.6	12330.0	10986.1	9955.8	9094.0	8067.0	6610.8	5303.2	4296.0	3247.6
70°	9995.5	10667.4	10682.3	9554.6	8694.4	7849.1	6995.5	5379.1	4203.6	3330.2	2422.1
72.5°	7660.9	8093.4	8243.7	7500.7	6924.5	6330.1	5564.0	3904.7	2996.7	2265.2	1576.8
75°	5932.2	5813.3	5811.7	5498.0	5263.5	4973.0	4130.9	2635.1	1968.1	1472.7	964.2
77.5°	5332.9	4804.6	4292.7	3916.3	3728.1	3630.7	2709.4	1588.3	1160.7	847.0	554.8
80°	4398.4	3619.1	2924.0	2517.9	2356.0	2468.3	1510.7	858.5	635.7	482.1	359.9
82.5°	3033.0	2517.9	1913.6	1585.0	1360.5	1423.2	772.7	439.2	293.9	269.1	222.9
85°	1580.1	1385.2	1168.9	1003.8	886.6	779.3	401.2	209.7	122.2	107.3	97.4
87.5°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1746.8	1745.2	1748.5	1750.1	1755.1	1758.4	1760.0	1756.7	1761.7	1766.6	1763.3
5°	1793.0	1804.6	1806.2	1811.2	1811.2	1821.1	1821.1	1821.1	1819.5	1821.1	1817.8
7.5°	1832.7	1847.5	1849.2	1855.8	1857.4	1869.0	1864.0	1867.3	1867.3	1859.1	1855.8
10°	1837.6	1852.5	1860.7	1869.0	1880.5	1895.4	1895.4	1903.7	1903.7	1897.1	1895.4
12.5°	1839.3	1850.8	1859.1	1870.6	1887.1	1908.6	1920.2	1931.7	1936.7	1935.0	1930.1
15°	1873.9	1873.9	1875.6	1885.5	1897.1	1923.5	1940.0	1953.2	1961.4	1958.1	1949.9
17.5°	1964.7	1951.5	1941.6	1925.1	1928.4	1941.6	1951.5	1963.1	1964.7	1961.4	1948.2
20°	2070.4	2053.9	2029.1	2002.7	1989.5	1979.6	1973.0	1973.0	1968.1	1951.5	1930.1
22.5°	2220.7	2199.2	2164.5	2124.9	2098.5	2067.1	2029.1	1992.8	1953.2	1913.6	1867.3
25°	2428.7	2399.0	2362.7	2301.6	2245.4	2179.4	2101.8	2020.9	1926.8	1844.2	1776.5
27.5°	2638.4	2572.3	2478.2	2394.0	2290.0	2190.9	2080.3	1981.3	1860.7	1761.7	1687.4
30°	2811.7	2686.3	2550.9	2417.1	2280.1	2146.4	2014.3	1895.4	1763.3	1662.6	1590.0
32.5°	2945.5	2772.1	2583.9	2408.9	2240.5	2077.0	1925.1	1793.0	1659.3	1555.3	1477.7
35°	3069.3	2828.2	2588.8	2372.6	2164.5	1994.5	1822.8	1679.1	1537.1	1428.2	1344.0
37.5°	3161.8	2854.7	2559.1	2304.9	2065.5	1875.6	1700.6	1553.6	1408.3	1289.5	1193.7
40°	3221.2	2838.2	2494.7	2207.5	1948.2	1748.5	1570.1	1418.3	1277.9	1147.5	1031.9
42.5°	3269.1	2816.7	2430.3	2118.3	1855.8	1637.8	1454.6	1291.1	1149.1	1007.1	880.0
45°	3340.1	2833.2	2402.3	2055.6	1773.2	1543.7	1342.3	1172.2	1023.7	885.0	762.8
47.5°	3409.4	2841.5	2361.0	1978.0	1669.2	1446.3	1241.6	1076.5	924.6	797.5	685.2
50°	3472.2	2836.5	2296.6	1878.9	1568.5	1348.9	1150.8	985.7	835.4	718.2	612.5
52.5°	3501.9	2808.4	2217.4	1783.1	1487.6	1263.1	1061.6	901.5	752.9	642.3	544.8
55°	3498.6	2735.8	2113.3	1692.3	1398.4	1172.2	974.1	815.6	681.9	579.5	495.3
57.5°	3449.0	2623.5	2002.7	1591.6	1281.2	1060.0	871.8	718.2	605.9	520.1	449.1
60°	3345.0	2479.9	1857.4	1444.7	1134.3	921.3	744.6	612.5	521.7	455.7	409.5
62.5°	3150.2	2273.5	1675.8	1239.9	936.1	741.3	587.8	501.9	434.2	394.6	373.1
63°	3092.4	2217.4	1598.2	1190.4	889.9	700.0	554.8	465.6	416.1	381.4	361.6
65°	2805.1	1941.6	1337.4	960.9	691.8	539.9	445.8	378.1	348.4	333.5	331.9
67.5°	2271.8	1527.2	946.1	658.8	470.5	389.6	341.8	313.7	300.5	297.2	300.5
70°	1594.9	964.2	601.0	437.5	348.4	313.7	292.2	280.7	272.4	274.1	277.4
72.5°	1017.0	577.9	412.8	331.9	293.9	275.7	265.8	262.5	260.9	259.2	259.2
75°	579.5	384.7	317.0	287.3	267.5	252.6	244.4	241.1	242.7	244.4	241.1
77.5°	383.0	317.0	282.3	262.5	244.4	227.8	222.9	221.2	224.5	227.8	227.8
80°	302.1	282.3	262.5	242.7	213.0	201.4	204.7	206.4	204.7	206.4	201.4
82.5°	213.0	209.7	214.6	206.4	176.7	166.8	163.5	165.1	161.8	161.8	158.5
85°	99.1	99.1	104.0	104.0	100.7	102.4	110.6	120.5	125.5	120.5	113.9
87.5°	0.0	0.0	0.0	0.0	0.0	14.9	29.7	42.9	46.2	57.8	56.1
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: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1758.4	1761.7	1760.0	1758.4	1761.7	1758.4	1760.0	1758.4	1758.4	1756.7	1756.7
5°	1814.5	1819.5	1809.6	1807.9	1804.6	1796.3	1796.3	1793.0	1793.0	1786.4	1781.5
7.5°	1850.8	1852.5	1844.2	1842.6	1834.3	1826.1	1819.5	1812.9	1811.2	1806.2	1796.3
10°	1885.5	1882.2	1875.6	1867.3	1859.1	1847.5	1839.3	1831.0	1829.4	1821.1	1809.6
12.5°	1915.2	1913.6	1900.4	1892.1	1878.9	1867.3	1857.4	1847.5	1842.6	1832.7	1816.2
15°	1935.0	1925.1	1908.6	1893.8	1878.9	1865.7	1854.1	1842.6	1837.6	1826.1	1809.6
17.5°	1926.8	1908.6	1887.1	1869.0	1849.2	1832.7	1822.8	1811.2	1802.9	1796.3	1773.2
20°	1897.1	1870.6	1837.6	1816.2	1789.7	1768.3	1761.7	1750.1	1743.5	1718.7	1689.0
22.5°	1819.5	1781.5	1740.2	1708.8	1679.1	1657.7	1641.1	1629.6	1613.1	1598.2	1552.0
25°	1722.0	1679.1	1636.2	1598.2	1558.6	1525.6	1495.9	1467.8	1459.5	1428.2	1383.6
27.5°	1627.9	1580.1	1537.1	1492.5	1441.4	1400.1	1348.9	1309.3	1282.9	1249.8	1208.6
30°	1527.2	1479.3	1421.6	1362.1	1302.7	1258.1	1200.3	1152.4	1119.4	1084.7	1046.8
32.5°	1400.1	1342.3	1273.0	1206.9	1152.4	1099.6	1041.8	995.6	962.6	931.2	894.9
35°	1254.8	1178.8	1104.6	1031.9	974.1	929.5	878.4	843.7	820.6	792.5	754.5
37.5°	1088.0	1002.2	922.9	866.8	815.6	772.7	736.4	714.9	690.1	675.3	652.2
40°	919.6	835.4	757.8	706.6	663.7	639.0	619.1	614.2	597.7	577.9	563.0
42.5°	771.0	690.1	614.2	572.9	544.8	538.2	528.3	528.3	520.1	505.2	495.3
45°	670.3	586.1	520.1	490.4	475.5	473.9	468.9	468.9	467.2	460.6	449.1
47.5°	597.7	521.7	470.5	452.4	449.1	445.8	440.8	439.2	437.5	432.6	426.0
50°	531.6	467.2	434.2	426.0	427.6	422.7	417.7	412.8	411.1	406.2	399.6
52.5°	470.5	424.3	402.9	397.9	397.9	397.9	394.6	394.6	391.3	389.6	383.0
55°	435.9	401.2	389.6	388.0	386.3	384.7	381.4	381.4	378.1	376.4	368.2
57.5°	406.2	384.7	378.1	374.8	373.1	369.8	368.2	368.2	368.2	368.2	358.3
60°	383.0	373.1	371.5	368.2	366.5	359.9	356.6	355.0	356.6	358.3	348.4
62.5°	358.3	356.6	355.0	351.7	350.0	343.4	338.5	335.2	338.5	341.8	340.1
63°	351.7	350.0	350.0	348.4	346.7	338.5	333.5	330.2	333.5	336.8	336.8
65°	328.6	330.2	330.2	328.6	326.9	322.0	315.4	312.0	313.7	318.7	320.3
67.5°	303.8	305.4	303.8	305.4	303.8	300.5	295.5	292.2	290.6	292.2	293.9
70°	280.7	284.0	282.3	280.7	279.0	279.0	275.7	270.8	269.1	267.5	267.5
72.5°	260.9	260.9	257.6	257.6	255.9	255.9	252.6	247.7	246.0	246.0	242.7
75°	239.4	239.4	234.4	234.4	231.1	232.8	229.5	224.5	222.9	222.9	221.2
77.5°	226.2	221.2	213.0	211.3	209.7	209.7	208.0	203.1	201.4	201.4	199.8
80°	199.8	189.9	181.6	180.0	181.6	184.9	184.9	181.6	181.6	181.6	181.6
82.5°	155.2	151.9	146.9	143.6	143.6	148.6	155.2	158.5	161.8	165.1	165.1
85°	113.9	115.6	113.9	109.0	107.3	112.3	118.9	125.5	127.1	133.7	132.1
87.5°	61.1	62.7	57.8	56.1	61.1	64.4	71.0	72.6	75.9	77.6	79.3
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: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1755.1	1753.4	1755.1	1751.8	1751.8	1748.5	1745.2	1743.5	1740.2	1738.6	1735.3
5°	1784.8	1779.8	1774.9	1773.2	1766.6	1760.0	1755.1	1746.8	1740.2	1728.6	1725.3
7.5°	1804.6	1793.0	1786.4	1784.8	1774.9	1769.9	1758.4	1748.5	1738.6	1723.7	1718.7
10°	1812.9	1801.3	1789.7	1784.8	1773.2	1765.0	1753.4	1738.6	1730.3	1715.4	1712.1
12.5°	1822.8	1801.3	1783.1	1769.9	1753.4	1735.3	1723.7	1715.4	1703.9	1695.6	1692.3
15°	1804.6	1776.5	1748.5	1723.7	1697.3	1677.5	1665.9	1652.7	1639.5	1634.5	1634.5
17.5°	1755.1	1718.7	1670.9	1639.5	1611.4	1590.0	1575.1	1561.9	1560.2	1553.6	1556.9
20°	1652.7	1604.8	1558.6	1535.5	1519.0	1505.8	1490.9	1484.3	1479.3	1469.4	1466.1
22.5°	1510.7	1471.1	1438.1	1421.6	1408.3	1391.8	1378.6	1358.8	1353.9	1344.0	1339.0
25°	1353.9	1322.5	1294.4	1282.9	1274.6	1251.5	1243.2	1216.8	1198.7	1187.1	1193.7
27.5°	1197.0	1173.9	1147.5	1132.6	1127.7	1106.2	1097.9	1068.2	1053.4	1053.4	1036.9
30°	1035.2	1013.7	997.2	980.7	977.4	951.0	929.5	918.0	901.5	894.9	883.3
32.5°	883.3	861.8	848.6	840.4	827.2	805.7	784.2	764.4	738.0	728.1	723.2
35°	743.0	726.5	710.0	703.3	685.2	662.1	635.7	619.1	587.8	576.2	571.3
37.5°	635.7	615.8	604.3	586.1	568.0	543.2	523.4	508.5	497.0	492.0	492.0
40°	549.8	534.9	521.7	506.9	492.0	478.8	468.9	465.6	463.9	463.9	467.2
42.5°	485.4	472.2	465.6	457.3	452.4	452.4	450.7	452.4	454.0	455.7	460.6
45°	442.5	434.2	430.9	429.3	432.6	435.9	437.5	440.8	447.4	450.7	452.4
47.5°	419.4	412.8	411.1	412.8	417.7	424.3	430.9	435.9	440.8	442.5	444.1
50°	396.3	388.0	384.7	388.0	394.6	404.5	409.5	417.7	421.0	424.3	421.0
52.5°	376.4	369.8	368.2	368.2	374.8	381.4	388.0	394.6	396.3	396.3	394.6
55°	359.9	355.0	350.0	353.3	358.3	364.9	374.8	379.7	383.0	384.7	384.7
57.5°	346.7	341.8	336.8	340.1	345.1	351.7	361.6	366.5	369.8	374.8	376.4
60°	336.8	330.2	325.3	330.2	335.2	345.1	353.3	358.3	366.5	368.2	368.2
62.5°	326.9	320.3	312.0	317.0	317.0	322.0	330.2	336.8	345.1	348.4	348.4
63°	325.3	318.7	310.4	313.7	313.7	317.0	323.6	330.2	340.1	343.4	341.8
65°	312.0	310.4	302.1	302.1	298.8	302.1	307.1	313.7	318.7	323.6	323.6
67.5°	290.6	288.9	287.3	287.3	287.3	290.6	293.9	298.8	303.8	307.1	305.4
70°	265.8	265.8	265.8	267.5	267.5	270.8	272.4	270.8	275.7	279.0	277.4
72.5°	244.4	242.7	241.1	244.4	242.7	242.7	246.0	244.4	249.3	249.3	251.0
75°	221.2	219.6	219.6	221.2	217.9	214.6	216.3	216.3	217.9	217.9	221.2
77.5°	201.4	201.4	201.4	199.8	196.5	194.8	193.2	193.2	193.2	193.2	194.8
80°	183.3	183.3	183.3	181.6	178.3	175.0	171.7	170.1	168.4	160.2	160.2
82.5°	165.1	165.1	165.1	165.1	163.5	160.2	155.2	142.0	135.4	128.8	130.4
85°	130.4	133.7	137.0	142.0	140.3	140.3	130.4	113.9	104.0	97.4	99.1
87.5°	84.2	74.3	74.3	72.6	69.3	66.0	66.0	56.1	46.2	41.3	42.9
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: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1735.3	1732.0	1728.6	1728.6	1723.7	1723.7	1720.4	1727.0	1720.4	1715.4	1715.4
5°	1722.0	1718.7	1708.8	1707.2	1700.6	1700.6	1700.6	1697.3	1697.3	1694.0	1692.3
7.5°	1713.8	1705.5	1697.3	1692.3	1692.3	1689.0	1695.6	1692.3	1694.0	1694.0	1695.6
10°	1707.2	1700.6	1697.3	1695.6	1695.6	1700.6	1705.5	1707.2	1705.5	1707.2	1707.2
12.5°	1690.7	1694.0	1695.6	1702.2	1710.5	1720.4	1732.0	1733.6	1736.9	1736.9	1740.2
15°	1637.8	1646.1	1656.0	1672.5	1694.0	1715.4	1736.9	1755.1	1771.6	1779.8	1786.4
17.5°	1563.5	1571.8	1590.0	1608.1	1636.2	1667.6	1703.9	1735.3	1769.9	1801.3	1832.7
20°	1462.8	1476.0	1481.0	1514.0	1547.0	1590.0	1632.9	1682.4	1741.9	1801.3	1862.4
22.5°	1332.4	1347.3	1370.4	1396.8	1431.5	1484.3	1535.5	1613.1	1692.3	1776.5	1872.3
25°	1187.1	1203.6	1223.4	1251.5	1286.2	1342.3	1416.6	1499.2	1596.6	1707.2	1826.1
27.5°	1036.9	1053.4	1069.9	1089.7	1129.3	1188.8	1276.3	1362.1	1469.4	1590.0	1728.6
30°	886.6	888.3	898.2	922.9	964.2	1041.8	1106.2	1213.5	1325.8	1452.9	1613.1
32.5°	721.5	719.9	731.4	752.9	792.5	866.8	946.1	1050.1	1160.7	1320.8	1485.9
35°	574.6	574.6	596.0	617.5	662.1	714.9	784.2	876.7	1007.1	1155.7	1320.8
37.5°	497.0	508.5	521.7	543.2	577.9	619.1	680.2	761.1	863.5	1005.5	1157.4
40°	472.2	478.8	490.4	510.2	539.9	577.9	622.4	683.5	762.8	876.7	1015.4
42.5°	462.3	463.9	470.5	485.4	511.8	549.8	596.0	650.5	710.0	790.9	911.4
45°	452.4	450.7	454.0	465.6	487.1	530.0	582.8	642.3	701.7	769.4	868.5
47.5°	444.1	444.1	444.1	449.1	468.9	511.8	572.9	642.3	713.3	789.2	886.6
50°	421.0	419.4	419.4	422.7	437.5	483.8	556.4	640.6	733.1	832.1	942.7
52.5°	394.6	394.6	396.3	397.9	411.1	457.3	538.2	640.6	756.2	888.3	1027.0
55°	386.3	388.0	389.6	388.0	397.9	437.5	518.4	630.7	766.1	932.8	1117.8
57.5°	379.7	383.0	383.0	381.4	388.0	421.0	498.6	610.9	757.8	949.4	1182.2
60°	369.8	369.8	369.8	364.9	368.2	397.9	468.9	579.5	731.4	934.5	1192.1
62.5°	348.4	348.4	345.1	343.4	341.8	364.9	429.3	533.3	683.5	894.9	1167.3
63°	343.4	341.8	341.8	336.8	336.8	358.3	421.0	526.7	670.3	885.0	1157.4
65°	325.3	325.3	325.3	322.0	320.3	336.8	388.0	480.5	619.1	838.7	1107.9
67.5°	305.4	307.1	303.8	302.1	300.5	310.4	350.0	422.7	539.9	741.3	1015.4
70°	277.4	279.0	279.0	277.4	275.7	282.3	307.1	363.2	447.4	617.5	865.2
72.5°	252.6	255.9	255.9	259.2	259.2	264.2	274.1	302.1	358.3	482.1	680.2
75°	226.2	227.8	231.1	234.4	231.1	229.5	231.1	252.6	280.7	356.6	485.4
77.5°	203.1	208.0	208.0	206.4	201.4	198.1	198.1	208.0	231.1	270.8	346.7
80°	168.4	176.7	178.3	173.4	168.4	168.4	171.7	178.3	193.2	222.9	262.5
82.5°	135.4	143.6	145.3	146.9	145.3	150.2	150.2	151.9	160.2	183.3	214.6
85°	104.0	110.6	115.6	117.2	118.9	120.5	118.9	110.6	115.6	130.4	145.3
87.5°	46.2	47.9	44.6	46.2	44.6	46.2	47.9	39.6	38.0	51.2	52.8
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: P152975

CATALOG NUMBER: TLM-F06-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1713.8	1713.8	1715.4	1712.1	1712.1	1713.8	1708.8
5°	1687.4	1694.0	1694.0	1694.0	1690.7	1694.0	1695.6
7.5°	1694.0	1698.9	1702.2	1702.2	1700.6	1707.2	1712.1
10°	1702.2	1710.5	1713.8	1713.8	1713.8	1722.0	1733.6
12.5°	1733.6	1740.2	1745.2	1745.2	1748.5	1758.4	1771.6
15°	1791.4	1799.6	1799.6	1798.0	1807.9	1819.5	1834.3
17.5°	1855.8	1878.9	1890.5	1888.8	1897.1	1911.9	1928.4
20°	1916.9	1981.3	2009.3	2029.1	2037.4	2057.2	2062.2
22.5°	1968.1	2075.4	2153.0	2219.0	2250.4	2270.2	2293.3
25°	1949.9	2095.2	2233.9	2369.3	2465.0	2562.4	2603.7
27.5°	1875.6	2057.2	2238.8	2436.9	2610.3	2783.7	2909.1
30°	1784.8	2002.7	2247.1	2527.8	2801.8	3067.7	3279.0
32.5°	1680.8	1951.5	2265.2	2612.0	2971.9	3320.3	3625.7
35°	1550.3	1854.1	2220.7	2620.2	3044.5	3467.2	3863.5
37.5°	1385.2	1722.0	2116.6	2560.8	3047.8	3531.6	4005.4
40°	1220.1	1555.3	1984.6	2474.9	3004.9	3546.5	4094.6
42.5°	1104.6	1406.7	1850.8	2366.0	2935.6	3523.3	4137.5
45°	1025.3	1299.4	1732.0	2266.9	2861.3	3482.1	4144.1
47.5°	1018.7	1253.1	1654.4	2194.2	2801.8	3445.7	4144.1
50°	1074.8	1277.9	1627.9	2157.9	2777.1	3434.2	4147.4
52.5°	1180.5	1377.0	1675.8	2186.0	2796.9	3449.0	4162.3
55°	1307.6	1527.2	1804.6	2283.4	2881.1	3498.6	4195.3
57.5°	1423.2	1700.6	2024.2	2471.6	3034.6	3624.1	4287.8
60°	1490.9	1849.2	2257.0	2735.8	3297.1	3873.4	4472.7
62.5°	1499.2	1931.7	2463.4	3023.1	3615.8	4159.0	4768.2
63°	1492.5	1938.3	2489.8	3077.6	3683.5	4230.0	4870.6
65°	1456.2	1940.0	2564.1	3269.1	3917.9	4528.8	5156.2
67.5°	1363.8	1887.1	2590.5	3419.3	4213.5	4921.8	5689.5
70°	1203.6	1736.9	2512.9	3422.6	4327.4	5141.4	6026.3
72.5°	967.5	1451.3	2177.7	3113.9	4026.9	4925.1	5938.8
75°	708.3	1066.6	1646.1	2412.2	3285.6	4099.6	5086.9
77.5°	470.5	690.1	1109.5	1718.7	2356.0	2950.4	3662.0
80°	323.6	427.6	648.9	1033.6	1441.4	1730.3	2332.9
82.5°	237.8	282.3	359.9	528.3	693.4	853.6	1218.5
85°	148.6	161.8	180.0	260.9	373.1	503.6	759.5
87.5°	39.6	41.3	38.0	51.2	80.9	77.6	85.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)