

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: P152974

Luminaire Tested: **TLM-F06-LED-E1-SLL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P152974  
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-7030  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12587.7 lumens  
Efficiency: N/A  
Efficacy: 80.4 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

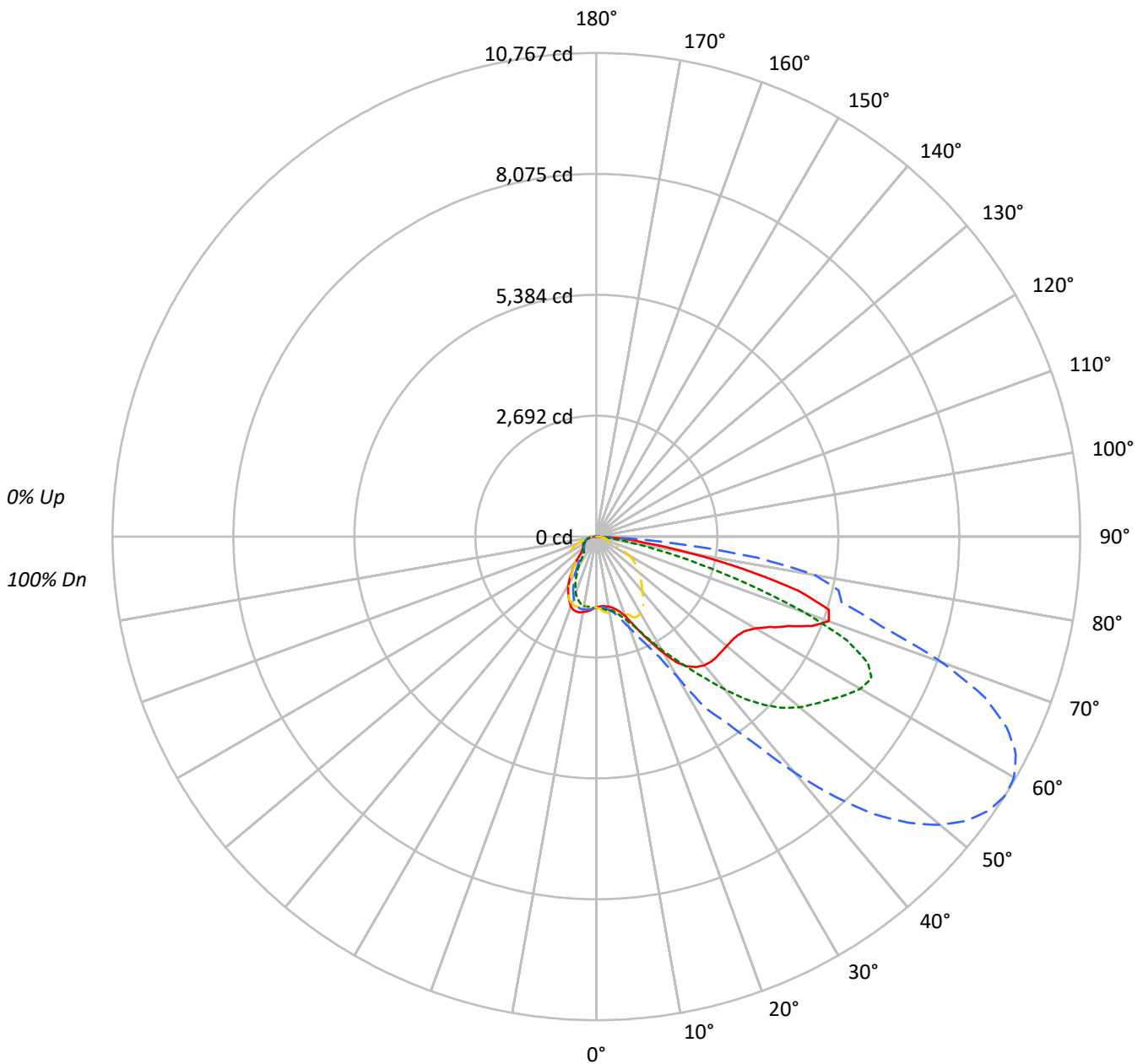
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17027	17027	17027	17027
5°	16734	17467	17841	17027
10°	17307	18163	18641	17092
15°	18670	19627	19275	16636
20°	21575	22783	19001	15339
25°	28244	27903	17336	12949
30°	37224	36211	15463	10028
35°	46368	46864	12385	6857
40°	52549	62317	9069	5997
45°	57617	80711	6818	6290
50°	63434	98938	6516	6439
55°	71909	118716	6651	6594
60°	87943	145989	7240	7240
65°	119947	169877	7643	7529
70°	173226	154620	8069	7972
75°	193225	100091	8904	8405
80°	132082	48610	10191	9069
85°	85673	23651	12288	11177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.0	1.2
10°-20°	479.6	3.8
20°-30°	852.0	6.8
30°-40°	1341.7	10.7
40°-50°	1974.5	15.7
50°-60°	2622.8	20.8
60°-70°	2889.0	23.0
70°-80°	1812.5	14.4
80°-90°	461.6	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°	1485.6	11.8
0°-40°	2827.3	22.5
0°-60°	7424.6	59.0
0°-90°	12587.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12587.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1582	1582	1582	1582	1582	
5°	1549	1617	1651	1576	1549	149
15°	1675	1761	1730	1493	1675	485
25°	2378	2349	1460	1090	2378	1122
35°	3529	3566	942	522	3529	2187
45°	3785	5302	448	413	3785	2926
55°	3832	6326	354	351	3832	3476
65°	4709	6670	300	296	4709	4741
75°	4646	2407	214	202	4646	4544
85°	694	192	100	90	694	802
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1560.8	1563.8	1563.8	1562.3	1562.3	1565.3	1563.8	1562.3	1557.8	1563.8	1563.8
5°	1548.7	1551.7	1551.7	1554.7	1557.8	1560.8	1560.8	1563.8	1562.3	1568.3	1572.8
7.5°	1563.8	1566.8	1572.8	1580.4	1584.9	1595.5	1595.5	1603.0	1606.0	1610.5	1609.0
10°	1583.4	1590.9	1604.5	1616.6	1625.6	1637.7	1646.7	1657.3	1657.3	1661.8	1664.8
12.5°	1618.1	1625.6	1640.7	1655.8	1669.3	1684.4	1698.0	1708.5	1719.1	1722.1	1728.2
15°	1675.4	1684.4	1707.0	1728.2	1744.7	1764.3	1782.4	1803.6	1823.2	1827.7	1830.7
17.5°	1761.3	1779.4	1796.0	1833.7	1857.8	1883.5	1912.1	1942.3	1948.3	1980.0	1987.5
20°	1883.5	1906.1	1921.2	1967.9	2008.6	2041.8	2084.0	2118.7	2132.3	2162.5	2192.6
22.5°	2094.6	2090.1	2112.7	2159.4	2189.6	2255.9	2292.1	2328.3	2346.4	2391.7	2415.8
25°	2378.1	2402.2	2452.0	2456.5	2485.2	2562.1	2608.8	2645.0	2646.5	2660.1	2685.7
27.5°	2657.1	2756.6	2835.0	2877.2	2954.1	3025.0	3022.0	3073.3	2993.4	3009.9	3034.1
30°	2994.9	3160.7	3308.5	3408.1	3486.5	3569.4	3610.1	3638.8	3604.1	3589.0	3560.4
32.5°	3311.5	3543.8	3771.5	3947.9	4094.2	4231.4	4321.9	4362.6	4410.9	4533.0	4576.7
35°	3528.7	3857.4	4140.9	4395.8	4640.1	4858.7	5017.1	5107.6	5072.9	5056.3	5047.2
37.5°	3658.4	4059.5	4413.9	4774.3	5054.8	5382.0	5627.8	5866.1	5920.4	5825.4	5778.6
40°	3739.8	4214.8	4670.2	5095.5	5458.9	5881.1	6185.8	6543.2	6814.6	6850.8	6739.2
42.5°	3779.0	4318.9	4849.7	5330.7	5822.3	6339.6	6725.6	7158.4	7564.1	7843.0	7773.7
45°	3785.0	4386.7	4980.9	5543.4	6128.5	6742.2	7239.8	7719.4	8262.3	8740.3	8753.9
47.5°	3785.0	4438.0	5071.4	5697.2	6402.9	7092.1	7634.9	8201.9	8867.0	9432.5	9605.9
50°	3788.1	4472.7	5155.8	5817.8	6612.5	7387.6	8001.4	8670.9	9370.6	9985.9	10320.7
52.5°	3801.6	4498.3	5222.2	5903.8	6748.2	7595.7	8286.4	9058.5	9755.2	10387.0	10819.8
55°	3831.8	4534.5	5270.4	5956.5	6838.7	7731.4	8493.0	9323.9	10004.0	10644.9	11249.6
57.5°	3916.2	4597.9	5329.2	6003.3	6888.5	7820.4	8637.7	9438.5	10099.0	10767.0	11477.3
60°	4085.1	4732.1	5430.3	6096.8	6971.4	7984.8	8707.1	9361.6	10029.6	10730.8	11528.6
62.5°	4355.1	4941.7	5570.5	6255.1	7208.2	8239.6	8654.3	9132.4	9756.7	10521.2	11346.1
63°	4448.6	4986.9	5602.2	6289.8	7273.0	8286.4	8631.7	9064.5	9700.9	10454.9	11281.3
65°	4709.4	5187.5	5753.0	6464.7	7539.9	8333.1	8455.3	8711.6	9314.8	10076.4	10898.2
67.5°	5196.5	5674.6	6077.2	6760.3	7764.6	8149.2	7907.9	7939.6	8569.9	9358.6	10097.5
70°	5504.2	6074.2	6283.8	6798.0	7723.9	7876.2	7199.1	6779.9	7285.1	8183.8	8830.8
72.5°	5424.2	6078.7	6056.1	6295.8	6909.6	7051.3	6350.1	5689.6	5989.7	6660.8	7080.0
75°	4646.1	5428.8	5262.9	5214.6	5430.3	5523.8	4997.5	4896.4	5274.9	5647.4	5653.4
77.5°	3344.7	4205.8	4011.2	3732.3	3717.2	3932.8	4003.7	4665.7	5225.2	5519.2	5389.5
80°	2130.8	3064.2	2862.2	2375.1	2367.5	2648.0	3270.8	4171.1	4763.7	4928.1	4590.3
82.5°	1112.9	2005.6	2082.5	1782.4	2040.3	2504.8	3112.5	3361.3	3586.0	3608.6	3210.5
85°	693.7	1233.5	1450.7	1497.4	1842.8	2221.3	2216.7	2129.3	2029.8	1737.2	1571.3
87.5°	78.4	155.3	235.2	223.2	300.1	420.7	524.8	307.6	215.6	78.4	108.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1566.8	1568.3	1569.8	1569.8	1577.4	1575.8	1577.4	1580.4	1584.9	1587.9	1590.9
5°	1578.9	1578.9	1584.9	1589.4	1598.5	1604.5	1607.5	1616.6	1627.1	1624.1	1633.1
7.5°	1618.1	1616.6	1622.6	1625.6	1633.1	1643.7	1642.2	1649.7	1658.8	1661.8	1669.3
10°	1670.8	1666.3	1666.3	1663.3	1664.8	1661.8	1661.8	1661.8	1667.8	1666.3	1672.4
12.5°	1725.1	1723.6	1720.6	1711.6	1711.6	1699.5	1693.5	1685.9	1684.4	1673.9	1675.4
15°	1836.7	1836.7	1830.7	1812.6	1797.5	1787.0	1771.9	1761.3	1746.2	1726.6	1716.1
17.5°	1999.6	1978.5	1970.9	1967.9	1943.8	1934.7	1901.6	1866.9	1850.3	1823.2	1808.1
20°	2198.6	2194.1	2164.0	2148.9	2118.7	2076.5	2034.3	1989.0	1961.9	1928.7	1910.6
22.5°	2423.3	2390.2	2375.1	2352.5	2305.7	2257.5	2194.1	2133.8	2091.6	2069.0	2055.4
25°	2685.7	2652.5	2637.5	2607.3	2550.0	2498.7	2420.3	2349.4	2311.7	2274.0	2252.9
27.5°	3034.1	3002.4	2984.3	2905.9	2886.3	2801.8	2705.3	2608.8	2559.1	2503.3	2467.1
30°	3554.3	3555.8	3462.3	3367.3	3269.3	3123.0	3022.0	2913.4	2832.0	2752.1	2672.2
32.5°	4433.5	4208.8	4035.4	3831.8	3619.2	3463.8	3338.7	3209.0	3095.9	2979.8	2847.1
35°	4970.3	4861.7	4637.1	4264.6	4050.5	3862.0	3723.2	3566.4	3427.7	3222.6	3020.5
37.5°	5576.5	5324.7	5051.8	4845.2	4602.4	4383.7	4151.5	3973.5	3733.8	3457.8	3171.3
40°	6461.7	6101.3	5772.6	5495.1	5181.4	4952.2	4692.9	4435.0	4116.8	3717.2	3323.6
42.5°	7386.1	7013.6	6579.3	6218.9	5849.5	5581.1	5259.9	4897.9	4430.5	3935.8	3454.8
45°	8355.8	7858.1	7337.9	6897.5	6513.0	6179.7	5781.6	5302.1	4732.1	4131.9	3576.9
47.5°	9311.8	8740.3	8120.5	7647.0	7146.4	6739.2	6250.6	5644.4	4967.3	4317.4	3699.1
50°	10154.8	9604.4	8857.9	8256.2	7749.5	7247.4	6638.2	5908.3	5152.8	4477.2	3809.2
52.5°	10881.6	10408.1	9622.5	8862.4	8278.8	7714.9	6950.3	6120.9	5339.8	4625.0	3899.7
55°	11415.5	11100.3	10376.5	9434.0	8744.8	8072.3	7214.2	6326.0	5516.2	4742.6	3958.5
57.5°	11818.1	11643.2	11021.9	9972.3	9173.1	8419.1	7487.2	6571.8	5691.1	4843.7	3985.6
60°	12038.3	12086.5	11510.5	10442.8	9551.6	8708.6	7760.1	6781.4	5820.8	4902.5	3970.5
62.5°	12017.1	12312.7	11876.9	10732.3	9771.8	8880.5	7944.1	6879.4	5802.7	4809.0	3833.3
63°	11976.4	12320.3	11917.6	10751.9	9785.3	8886.6	7948.6	6865.9	5765.0	4763.7	3779.0
65°	11625.1	12146.8	11882.9	10663.0	9664.7	8773.5	7853.6	6669.8	5499.6	4520.9	3500.0
67.5°	10684.1	11337.0	11261.6	10034.1	9093.2	8306.0	7368.0	6038.0	4843.7	3923.8	2966.2
70°	9129.4	9743.1	9756.7	8726.7	7941.1	7169.0	6389.3	4913.0	3839.3	3041.6	2212.2
72.5°	6997.1	7392.2	7529.4	6850.8	6324.5	5781.6	5081.9	3566.4	2737.0	2069.0	1440.1
75°	5418.2	5309.6	5308.1	5021.6	4807.5	4542.1	3773.0	2406.7	1797.5	1345.1	880.7
77.5°	4870.8	4388.2	3920.8	3576.9	3405.0	3316.1	2474.6	1450.7	1060.1	773.6	506.7
80°	4017.3	3305.5	2670.6	2299.7	2151.9	2254.4	1379.8	784.2	580.6	440.3	328.7
82.5°	2770.2	2299.7	1747.8	1447.7	1242.6	1299.9	705.7	401.1	268.4	245.8	203.6
85°	1443.1	1265.2	1067.7	916.9	809.8	711.8	366.4	191.5	111.6	98.0	89.0
87.5°	0.0	1.5	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1595.5	1593.9	1597.0	1598.5	1603.0	1606.0	1607.5	1604.5	1609.0	1613.5	1610.5
5°	1637.7	1648.2	1649.7	1654.3	1654.3	1663.3	1663.3	1663.3	1661.8	1663.3	1660.3
7.5°	1673.9	1687.4	1688.9	1695.0	1696.5	1707.0	1702.5	1705.5	1705.5	1698.0	1695.0
10°	1678.4	1692.0	1699.5	1707.0	1717.6	1731.2	1731.2	1738.7	1738.7	1732.7	1731.2
12.5°	1679.9	1690.5	1698.0	1708.5	1723.6	1743.2	1753.8	1764.3	1768.9	1767.4	1762.8
15°	1711.6	1711.6	1713.1	1722.1	1732.7	1756.8	1771.9	1783.9	1791.5	1788.5	1780.9
17.5°	1794.5	1782.4	1773.4	1758.3	1761.3	1773.4	1782.4	1793.0	1794.5	1791.5	1779.4
20°	1891.0	1875.9	1853.3	1829.2	1817.1	1808.1	1802.0	1802.0	1797.5	1782.4	1762.8
22.5°	2028.2	2008.6	1977.0	1940.8	1916.7	1888.0	1853.3	1820.1	1783.9	1747.8	1705.5
25°	2218.2	2191.1	2157.9	2102.1	2050.9	1990.5	1919.7	1845.8	1759.8	1684.4	1622.6
27.5°	2409.8	2349.4	2263.5	2186.6	2091.6	2001.1	1900.1	1809.6	1699.5	1609.0	1541.2
30°	2568.1	2453.5	2329.8	2207.7	2082.5	1960.4	1839.7	1731.2	1610.5	1518.5	1452.2
32.5°	2690.2	2531.9	2360.0	2200.2	2046.3	1897.0	1758.3	1637.7	1515.5	1420.5	1349.6
35°	2803.3	2583.2	2364.5	2167.0	1977.0	1821.6	1664.8	1533.6	1403.9	1304.4	1227.5
37.5°	2887.8	2607.3	2337.4	2105.1	1886.5	1713.1	1553.2	1419.0	1286.3	1177.7	1090.3
40°	2942.1	2592.2	2278.6	2016.2	1779.4	1597.0	1434.1	1295.4	1167.2	1048.1	942.5
42.5°	2985.8	2572.6	2219.8	1934.7	1695.0	1495.9	1328.5	1179.2	1049.6	919.9	803.8
45°	3050.7	2587.7	2194.1	1877.4	1619.6	1410.0	1226.0	1070.7	935.0	808.3	696.7
47.5°	3114.0	2595.2	2156.4	1806.6	1524.6	1321.0	1134.0	983.2	844.5	728.4	625.8
50°	3171.3	2590.7	2097.6	1716.1	1432.6	1232.0	1051.1	900.3	763.0	656.0	559.5
52.5°	3198.4	2565.1	2025.2	1628.6	1358.7	1153.6	969.6	823.4	687.6	586.6	497.6
55°	3195.4	2498.7	1930.2	1545.7	1277.3	1070.7	889.7	744.9	622.8	529.3	452.4
57.5°	3150.2	2396.2	1829.2	1453.7	1170.2	968.1	796.2	656.0	553.4	475.0	410.2
60°	3055.2	2265.0	1696.5	1319.5	1036.0	841.5	680.1	559.5	476.5	416.2	374.0
62.5°	2877.2	2076.5	1530.6	1132.5	855.0	677.1	536.8	458.4	396.6	360.4	340.8
63°	2824.5	2025.2	1459.7	1087.3	812.8	639.4	506.7	425.3	380.0	348.3	330.2
65°	2562.1	1773.4	1221.5	877.6	631.8	493.1	407.2	345.3	318.2	304.6	303.1
67.5°	2075.0	1394.9	864.1	601.7	429.8	355.9	312.2	286.5	274.5	271.4	274.5
70°	1456.7	880.7	548.9	399.6	318.2	286.5	266.9	256.4	248.8	250.3	253.3
72.5°	928.9	527.8	377.0	303.1	268.4	251.8	242.8	239.8	238.3	236.8	236.8
75°	529.3	351.4	289.5	262.4	244.3	230.7	223.2	220.2	221.7	223.2	220.2
77.5°	349.9	289.5	257.9	239.8	223.2	208.1	203.6	202.1	205.1	208.1	208.1
80°	276.0	257.9	239.8	221.7	194.5	184.0	187.0	188.5	187.0	188.5	184.0
82.5°	194.5	191.5	196.0	188.5	161.4	152.3	149.3	150.8	147.8	147.8	144.8
85°	90.5	90.5	95.0	95.0	92.0	93.5	101.0	110.1	114.6	110.1	104.1
87.5°	0.0	0.0	0.0	0.0	0.0	13.6	27.1	39.2	42.2	52.8	51.3
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: P152974

CATALOG NUMBER: TLM-F06-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1606.0	1609.0	1607.5	1606.0	1609.0	1606.0	1607.5	1606.0	1606.0	1604.5	1604.5
5°	1657.3	1661.8	1652.8	1651.2	1648.2	1640.7	1640.7	1637.7	1637.7	1631.6	1627.1
7.5°	1690.5	1692.0	1684.4	1682.9	1675.4	1667.8	1661.8	1655.8	1654.3	1649.7	1640.7
10°	1722.1	1719.1	1713.1	1705.5	1698.0	1687.4	1679.9	1672.4	1670.8	1663.3	1652.8
12.5°	1749.3	1747.8	1735.7	1728.2	1716.1	1705.5	1696.5	1687.4	1682.9	1673.9	1658.8
15°	1767.4	1758.3	1743.2	1729.7	1716.1	1704.0	1693.5	1682.9	1678.4	1667.8	1652.8
17.5°	1759.8	1743.2	1723.6	1707.0	1688.9	1673.9	1664.8	1654.3	1646.7	1640.7	1619.6
20°	1732.7	1708.5	1678.4	1658.8	1634.7	1615.1	1609.0	1598.5	1592.4	1569.8	1542.7
22.5°	1661.8	1627.1	1589.4	1560.8	1533.6	1514.0	1498.9	1488.4	1473.3	1459.7	1417.5
25°	1572.8	1533.6	1494.4	1459.7	1423.5	1393.4	1366.2	1340.6	1333.1	1304.4	1263.7
27.5°	1486.9	1443.1	1403.9	1363.2	1316.5	1278.8	1232.0	1195.8	1171.7	1141.5	1103.8
30°	1394.9	1351.2	1298.4	1244.1	1189.8	1149.1	1096.3	1052.6	1022.4	990.7	956.1
32.5°	1278.8	1226.0	1162.7	1102.3	1052.6	1004.3	951.5	909.3	879.2	850.5	817.3
35°	1146.1	1076.7	1008.8	942.5	889.7	849.0	802.2	770.6	749.5	723.8	689.2
37.5°	993.8	915.3	843.0	791.7	744.9	705.7	672.6	653.0	630.3	616.8	595.7
40°	839.9	763.0	692.2	645.4	606.2	583.6	565.5	561.0	545.9	527.8	514.2
42.5°	704.2	630.3	561.0	523.3	497.6	491.6	482.6	482.6	475.0	461.4	452.4
45°	612.2	535.3	475.0	447.9	434.3	432.8	428.3	428.3	426.8	420.7	410.2
47.5°	545.9	476.5	429.8	413.2	410.2	407.2	402.6	401.1	399.6	395.1	389.1
50°	485.6	426.8	396.6	389.1	390.6	386.0	381.5	377.0	375.5	371.0	364.9
52.5°	429.8	387.6	367.9	363.4	363.4	363.4	360.4	360.4	357.4	355.9	349.9
55°	398.1	366.4	355.9	354.4	352.9	351.4	348.3	348.3	345.3	343.8	336.3
57.5°	371.0	351.4	345.3	342.3	340.8	337.8	336.3	336.3	336.3	336.3	327.2
60°	349.9	340.8	339.3	336.3	334.8	328.7	325.7	324.2	325.7	327.2	318.2
62.5°	327.2	325.7	324.2	321.2	319.7	313.7	309.1	306.1	309.1	312.2	310.6
63°	321.2	319.7	319.7	318.2	316.7	309.1	304.6	301.6	304.6	307.6	307.6
65°	300.1	301.6	301.6	300.1	298.6	294.1	288.0	285.0	286.5	291.0	292.5
67.5°	277.5	279.0	277.5	279.0	277.5	274.5	269.9	266.9	265.4	266.9	268.4
70°	256.4	259.4	257.9	256.4	254.8	254.8	251.8	247.3	245.8	244.3	244.3
72.5°	238.3	238.3	235.2	235.2	233.7	233.7	230.7	226.2	224.7	224.7	221.7
75°	218.7	218.7	214.1	214.1	211.1	212.6	209.6	205.1	203.6	203.6	202.1
77.5°	206.6	202.1	194.5	193.0	191.5	191.5	190.0	185.5	184.0	184.0	182.5
80°	182.5	173.4	165.9	164.4	165.9	168.9	168.9	165.9	165.9	165.9	165.9
82.5°	141.8	138.7	134.2	131.2	131.2	135.7	141.8	144.8	147.8	150.8	150.8
85°	104.1	105.6	104.1	99.5	98.0	102.5	108.6	114.6	116.1	122.1	120.6
87.5°	55.8	57.3	52.8	51.3	55.8	58.8	64.8	66.4	69.4	70.9	72.4
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: P152974

CATALOG NUMBER: TLM-F06-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1603.0	1601.5	1603.0	1600.0	1600.0	1597.0	1593.9	1592.4	1589.4	1587.9	1584.9
5°	1630.1	1625.6	1621.1	1619.6	1613.5	1607.5	1603.0	1595.5	1589.4	1578.9	1575.8
7.5°	1648.2	1637.7	1631.6	1630.1	1621.1	1616.6	1606.0	1597.0	1587.9	1574.3	1569.8
10°	1655.8	1645.2	1634.7	1630.1	1619.6	1612.0	1601.5	1587.9	1580.4	1566.8	1563.8
12.5°	1664.8	1645.2	1628.6	1616.6	1601.5	1584.9	1574.3	1566.8	1556.2	1548.7	1545.7
15°	1648.2	1622.6	1597.0	1574.3	1550.2	1532.1	1521.6	1509.5	1497.4	1492.9	1492.9
17.5°	1603.0	1569.8	1526.1	1497.4	1471.8	1452.2	1438.6	1426.6	1425.0	1419.0	1422.0
20°	1509.5	1465.8	1423.5	1402.4	1387.3	1375.3	1361.7	1355.7	1351.2	1342.1	1339.1
22.5°	1379.8	1343.6	1313.5	1298.4	1286.3	1271.2	1259.2	1241.1	1236.5	1227.5	1223.0
25°	1236.5	1207.9	1182.3	1171.7	1164.2	1143.1	1135.5	1111.4	1094.8	1084.2	1090.3
27.5°	1093.3	1072.2	1048.1	1034.5	1030.0	1010.4	1002.8	975.7	962.1	962.1	947.0
30°	945.5	925.9	910.8	895.7	892.7	868.6	849.0	838.4	823.4	817.3	806.8
32.5°	806.8	787.2	775.1	767.6	755.5	735.9	716.3	698.2	674.1	665.0	660.5
35°	678.6	663.5	648.4	642.4	625.8	604.7	580.6	565.5	536.8	526.3	521.8
37.5°	580.6	562.5	551.9	535.3	518.7	496.1	478.0	464.5	453.9	449.4	449.4
40°	502.2	488.6	476.5	463.0	449.4	437.3	428.3	425.3	423.7	423.7	426.8
42.5°	443.3	431.3	425.3	417.7	413.2	413.2	411.7	413.2	414.7	416.2	420.7
45°	404.1	396.6	393.6	392.1	395.1	398.1	399.6	402.6	408.7	411.7	413.2
47.5°	383.0	377.0	375.5	377.0	381.5	387.6	393.6	398.1	402.6	404.1	405.6
50°	361.9	354.4	351.4	354.4	360.4	369.5	374.0	381.5	384.5	387.6	384.5
52.5°	343.8	337.8	336.3	336.3	342.3	348.3	354.4	360.4	361.9	361.9	360.4
55°	328.7	324.2	319.7	322.7	327.2	333.3	342.3	346.8	349.9	351.4	351.4
57.5°	316.7	312.2	307.6	310.6	315.2	321.2	330.2	334.8	337.8	342.3	343.8
60°	307.6	301.6	297.1	301.6	306.1	315.2	322.7	327.2	334.8	336.3	336.3
62.5°	298.6	292.5	285.0	289.5	289.5	294.1	301.6	307.6	315.2	318.2	318.2
63°	297.1	291.0	283.5	286.5	286.5	289.5	295.6	301.6	310.6	313.7	312.2
65°	285.0	283.5	276.0	276.0	272.9	276.0	280.5	286.5	291.0	295.6	295.6
67.5°	265.4	263.9	262.4	262.4	262.4	265.4	268.4	272.9	277.5	280.5	279.0
70°	242.8	242.8	242.8	244.3	244.3	247.3	248.8	247.3	251.8	254.8	253.3
72.5°	223.2	221.7	220.2	223.2	221.7	221.7	224.7	223.2	227.7	227.7	229.2
75°	202.1	200.6	200.6	202.1	199.1	196.0	197.5	197.5	199.1	199.1	202.1
77.5°	184.0	184.0	184.0	182.5	179.5	177.9	176.4	176.4	176.4	176.4	177.9
80°	167.4	167.4	167.4	165.9	162.9	159.8	156.8	155.3	153.8	146.3	146.3
82.5°	150.8	150.8	150.8	150.8	149.3	146.3	141.8	129.7	123.7	117.6	119.1
85°	119.1	122.1	125.2	129.7	128.2	128.2	119.1	104.1	95.0	89.0	90.5
87.5°	76.9	67.9	67.9	66.4	63.3	60.3	60.3	51.3	42.2	37.7	39.2
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: P152974

CATALOG NUMBER: TLM-F06-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1584.9	1581.9	1578.9	1578.9	1574.3	1574.3	1571.3	1577.4	1571.3	1566.8	1566.8
5°	1572.8	1569.8	1560.8	1559.3	1553.2	1553.2	1553.2	1550.2	1550.2	1547.2	1545.7
7.5°	1565.3	1557.8	1550.2	1545.7	1545.7	1542.7	1548.7	1545.7	1547.2	1547.2	1548.7
10°	1559.3	1553.2	1550.2	1548.7	1548.7	1553.2	1557.8	1559.3	1557.8	1559.3	1559.3
12.5°	1544.2	1547.2	1548.7	1554.7	1562.3	1571.3	1581.9	1583.4	1586.4	1586.4	1589.4
15°	1495.9	1503.5	1512.5	1527.6	1547.2	1566.8	1586.4	1603.0	1618.1	1625.6	1631.6
17.5°	1428.1	1435.6	1452.2	1468.8	1494.4	1523.1	1556.2	1584.9	1616.6	1645.2	1673.9
20°	1336.1	1348.1	1352.7	1382.8	1413.0	1452.2	1491.4	1536.6	1590.9	1645.2	1701.0
22.5°	1216.9	1230.5	1251.6	1275.8	1307.4	1355.7	1402.4	1473.3	1545.7	1622.6	1710.1
25°	1084.2	1099.3	1117.4	1143.1	1174.7	1226.0	1293.9	1369.3	1458.2	1559.3	1667.8
27.5°	947.0	962.1	977.2	995.3	1031.5	1085.8	1165.7	1244.1	1342.1	1452.2	1578.9
30°	809.8	811.3	820.3	843.0	880.7	951.5	1010.4	1108.4	1210.9	1327.0	1473.3
32.5°	659.0	657.5	668.0	687.6	723.8	791.7	864.1	959.1	1060.1	1206.4	1357.2
35°	524.8	524.8	544.4	564.0	604.7	653.0	716.3	800.7	919.9	1055.6	1206.4
37.5°	453.9	464.5	476.5	496.1	527.8	565.5	621.3	695.2	788.7	918.4	1057.1
40°	431.3	437.3	447.9	466.0	493.1	527.8	568.5	624.3	696.7	800.7	927.4
42.5°	422.2	423.7	429.8	443.3	467.5	502.2	544.4	594.1	648.4	722.3	832.4
45°	413.2	411.7	414.7	425.3	444.9	484.1	532.3	586.6	640.9	702.7	793.2
47.5°	405.6	405.6	405.6	410.2	428.3	467.5	523.3	586.6	651.5	720.8	809.8
50°	384.5	383.0	383.0	386.0	399.6	441.8	508.2	585.1	669.5	760.0	861.1
52.5°	360.4	360.4	361.9	363.4	375.5	417.7	491.6	585.1	690.7	811.3	938.0
55°	352.9	354.4	355.9	354.4	363.4	399.6	473.5	576.1	699.7	852.0	1020.9
57.5°	346.8	349.9	349.9	348.3	354.4	384.5	455.4	558.0	692.2	867.1	1079.7
60°	337.8	337.8	337.8	333.3	336.3	363.4	428.3	529.3	668.0	853.5	1088.8
62.5°	318.2	318.2	315.2	313.7	312.2	333.3	392.1	487.1	624.3	817.3	1066.1
63°	313.7	312.2	312.2	307.6	307.6	327.2	384.5	481.0	612.2	808.3	1057.1
65°	297.1	297.1	297.1	294.1	292.5	307.6	354.4	438.8	565.5	766.1	1011.9
67.5°	279.0	280.5	277.5	276.0	274.5	283.5	319.7	386.0	493.1	677.1	927.4
70°	253.3	254.8	254.8	253.3	251.8	257.9	280.5	331.8	408.7	564.0	790.2
72.5°	230.7	233.7	233.7	236.8	236.8	241.3	250.3	276.0	327.2	440.3	621.3
75°	206.6	208.1	211.1	214.1	211.1	209.6	211.1	230.7	256.4	325.7	443.3
77.5°	185.5	190.0	190.0	188.5	184.0	181.0	181.0	190.0	211.1	247.3	316.7
80°	153.8	161.4	162.9	158.3	153.8	153.8	156.8	162.9	176.4	203.6	239.8
82.5°	123.7	131.2	132.7	134.2	132.7	137.2	137.2	138.7	146.3	167.4	196.0
85°	95.0	101.0	105.6	107.1	108.6	110.1	108.6	101.0	105.6	119.1	132.7
87.5°	42.2	43.7	40.7	42.2	40.7	42.2	43.7	36.2	34.7	46.7	48.3
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: P152974

CATALOG NUMBER: TLM-F06-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1565.3	1565.3	1566.8	1563.8	1563.8	1565.3	1560.8
5°	1541.2	1547.2	1547.2	1547.2	1544.2	1547.2	1548.7
7.5°	1547.2	1551.7	1554.7	1554.7	1553.2	1559.3	1563.8
10°	1554.7	1562.3	1565.3	1565.3	1565.3	1572.8	1583.4
12.5°	1583.4	1589.4	1593.9	1593.9	1597.0	1606.0	1618.1
15°	1636.2	1643.7	1643.7	1642.2	1651.2	1661.8	1675.4
17.5°	1695.0	1716.1	1726.6	1725.1	1732.7	1746.2	1761.3
20°	1750.8	1809.6	1835.2	1853.3	1860.9	1879.0	1883.5
22.5°	1797.5	1895.5	1966.4	2026.7	2055.4	2073.5	2094.6
25°	1780.9	1913.6	2040.3	2164.0	2251.4	2340.4	2378.1
27.5°	1713.1	1879.0	2044.8	2225.8	2384.1	2542.5	2657.1
30°	1630.1	1829.2	2052.4	2308.7	2559.1	2801.8	2994.9
32.5°	1535.1	1782.4	2069.0	2385.6	2714.4	3032.6	3311.5
35°	1416.0	1693.5	2028.2	2393.2	2780.7	3166.8	3528.7
37.5°	1265.2	1572.8	1933.2	2338.9	2783.7	3225.6	3658.4
40°	1114.4	1420.5	1812.6	2260.5	2744.5	3239.2	3739.8
42.5°	1008.8	1284.8	1690.5	2160.9	2681.2	3218.0	3779.0
45°	936.5	1186.8	1581.9	2070.5	2613.3	3180.3	3785.0
47.5°	930.4	1144.6	1511.0	2004.1	2559.1	3147.2	3785.0
50°	981.7	1167.2	1486.9	1970.9	2536.4	3136.6	3788.1
52.5°	1078.2	1257.7	1530.6	1996.6	2554.5	3150.2	3801.6
55°	1194.3	1394.9	1648.2	2085.5	2631.4	3195.4	3831.8
57.5°	1299.9	1553.2	1848.8	2257.5	2771.7	3310.0	3916.2
60°	1361.7	1688.9	2061.4	2498.7	3011.4	3537.7	4085.1
62.5°	1369.3	1764.3	2249.9	2761.1	3302.5	3798.6	4355.1
63°	1363.2	1770.4	2274.0	2810.9	3364.3	3863.5	4448.6
65°	1330.0	1771.9	2341.9	2985.8	3578.5	4136.4	4709.4
67.5°	1245.6	1723.6	2366.0	3123.0	3848.4	4495.3	5196.5
70°	1099.3	1586.4	2295.2	3126.1	3952.4	4695.9	5504.2
72.5°	883.7	1325.5	1989.0	2844.1	3678.0	4498.3	5424.2
75°	646.9	974.2	1503.5	2203.2	3000.9	3744.3	4646.1
77.5°	429.8	630.3	1013.4	1569.8	2151.9	2694.8	3344.7
80°	295.6	390.6	592.6	944.0	1316.5	1580.4	2130.8
82.5°	217.2	257.9	328.7	482.6	633.4	779.6	1112.9
85°	135.7	147.8	164.4	238.3	340.8	459.9	693.7
87.5°	36.2	37.7	34.7	46.7	73.9	70.9	78.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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