

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: P153546

Luminaire Tested: **TLM-F06-LED-E1-SLR-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P153546  
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-SLR-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14141.7 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Direct

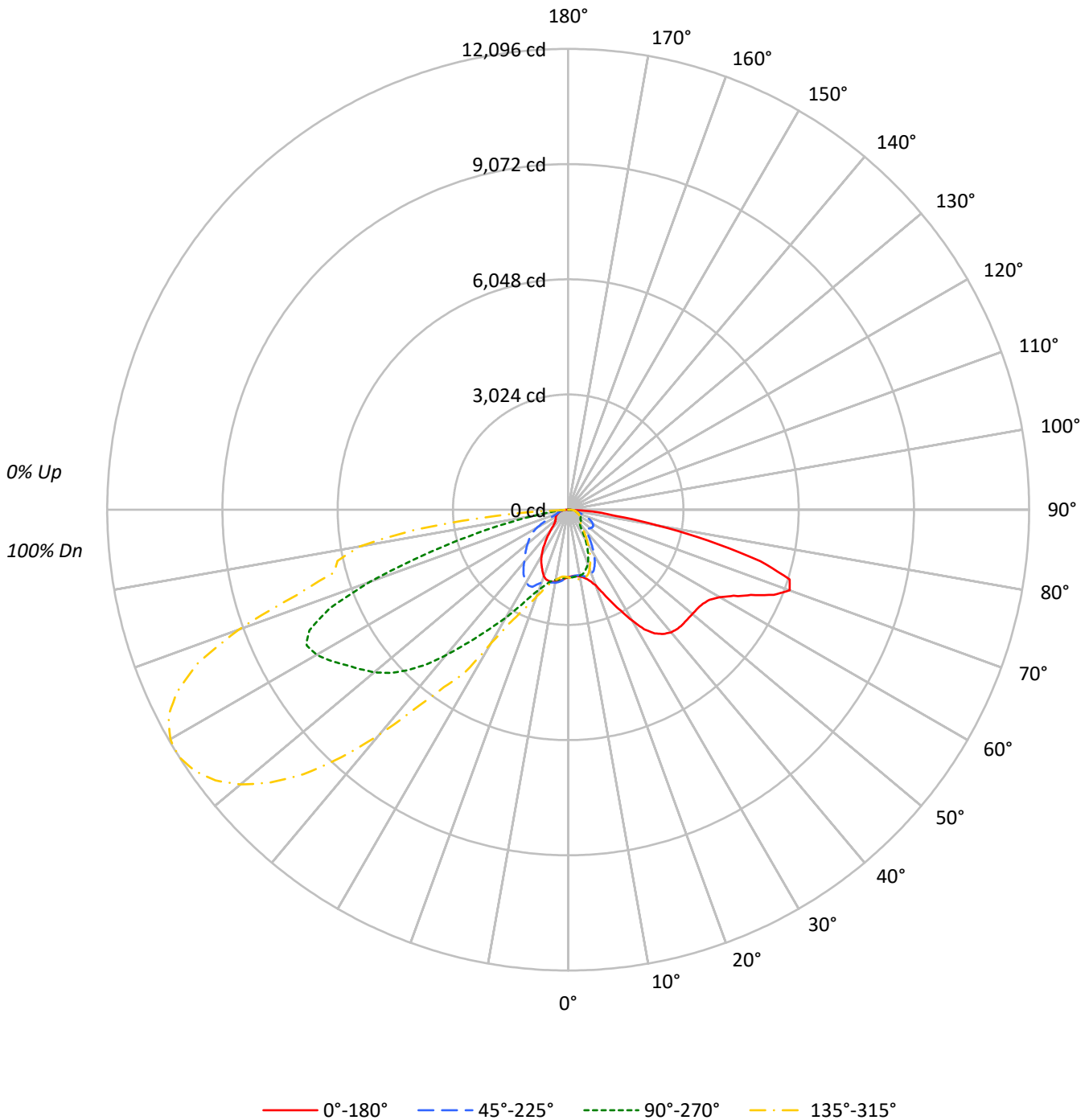
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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°	19130	19130	19130	19130
5°	18800	19129	20044	19623
10°	19443	19202	20943	20406
15°	20975	18690	21654	22051
20°	24238	17232	21347	25597
25°	31731	14548	19477	31348
30°	41819	11266	17372	40682
35°	52092	7703	13913	52649
40°	59037	6736	10189	70011
45°	64731	7066	7660	90674
50°	71265	7234	7320	111153
55°	80785	7407	7471	133372
60°	98802	8133	8133	164012
65°	134755	8458	8586	190849
70°	194611	8957	9064	173707
75°	217080	9441	10006	112451
80°	148384	10184	11449	54610
85°	96245	12548	13808	26578



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.0	1.2
10°-20°	538.8	3.8
20°-30°	957.2	6.8
30°-40°	1507.3	10.7
40°-50°	2218.3	15.7
50°-60°	2946.5	20.8
60°-70°	3245.6	23.0
70°-80°	2036.3	14.4
80°-90°	518.6	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°	1669.0	11.8
0°-40°	3176.3	22.5
0°-60°	8341.1	59.0
0°-90°	14141.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14141.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1777	1777	1777	1777	1777	
5°	1740	1770	1855	1816	1740	168
15°	1882	1677	1943	1979	1882	545
25°	2672	1225	1640	2640	2672	1261
35°	3964	586	1059	4007	3964	2456
45°	4252	464	503	5957	4252	3288
55°	4305	395	398	7107	4305	3905
65°	5291	332	337	7493	5291	5327
75°	5220	227	241	2704	5220	5104
85°	779	102	112	215	779	901
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°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1753.4	1758.5	1756.8	1756.8	1760.2	1758.5	1758.5	1760.2	1760.2	1765.3	1772.1
5°	1739.9	1738.2	1734.8	1738.2	1738.2	1738.2	1731.4	1736.5	1738.2	1741.6	1741.6
7.5°	1756.8	1751.8	1745.0	1746.7	1746.7	1743.3	1738.2	1739.9	1738.2	1738.2	1736.5
10°	1778.9	1767.0	1758.5	1758.5	1758.5	1755.1	1746.7	1751.8	1751.8	1750.1	1751.8
12.5°	1817.8	1804.3	1794.1	1790.7	1790.7	1785.6	1778.9	1785.6	1782.2	1782.2	1778.9
15°	1882.2	1867.0	1855.1	1844.9	1846.6	1846.6	1838.2	1833.1	1826.3	1817.8	1800.9
17.5°	1978.8	1961.8	1946.6	1938.1	1939.8	1927.9	1904.2	1880.5	1848.3	1816.1	1780.6
20°	2116.0	2110.9	2090.6	2082.1	2061.8	2033.0	1966.9	1911.0	1848.3	1787.3	1726.3
22.5°	2353.2	2329.5	2309.1	2276.9	2209.2	2129.5	2019.4	1921.2	1822.9	1736.5	1655.2
25°	2671.7	2629.3	2529.4	2431.1	2292.2	2149.9	2000.8	1873.7	1751.8	1638.2	1538.3
27.5°	2985.1	2856.3	2678.5	2500.6	2297.3	2110.9	1924.6	1773.8	1631.5	1507.8	1397.7
30°	3364.6	3147.7	2875.0	2593.7	2305.7	2055.0	1831.4	1655.2	1490.9	1360.4	1245.2
32.5°	3720.4	3406.9	3049.5	2680.1	2324.4	2002.5	1724.6	1524.7	1355.3	1191.0	1077.5
35°	3964.3	3557.7	3124.0	2688.6	2278.6	1902.5	1590.8	1355.3	1185.9	1033.4	899.6
37.5°	4110.0	3623.8	3127.4	2627.6	2171.9	1767.0	1421.4	1187.6	1031.7	886.0	781.0
40°	4201.5	3639.0	3083.4	2539.5	2036.4	1595.9	1252.0	1041.9	899.6	782.7	701.4
42.5°	4245.5	3615.3	3012.2	2427.7	1899.1	1443.4	1133.4	935.2	811.5	728.5	667.5
45°	4252.3	3573.0	2936.0	2326.1	1777.2	1333.3	1052.1	891.1	789.5	720.0	659.0
47.5°	4252.3	3535.7	2875.0	2251.5	1697.5	1285.9	1045.3	909.8	809.8	731.9	659.0
50°	4255.7	3523.8	2849.6	2214.3	1670.4	1311.3	1102.9	967.4	853.9	752.2	657.3
52.5°	4271.0	3539.1	2869.9	2243.1	1719.6	1412.9	1211.3	1053.8	911.5	775.9	657.3
55°	4304.8	3589.9	2956.3	2343.0	1851.7	1567.1	1341.8	1146.9	957.2	786.1	647.2
57.5°	4399.7	3718.7	3113.8	2536.1	2077.0	1745.0	1460.4	1213.0	974.1	777.6	626.8
60°	4589.5	3974.5	3383.2	2807.2	2315.9	1897.4	1529.8	1223.2	958.9	750.5	594.6
62.5°	4892.7	4267.6	3710.2	3102.0	2527.7	1982.2	1538.3	1197.8	918.2	701.4	547.2
63°	4997.7	4340.4	3779.7	3157.9	2554.8	1988.9	1531.5	1187.6	908.1	687.8	540.4
65°	5290.8	4647.1	4020.2	3354.4	2631.0	1990.6	1494.2	1136.8	860.6	635.3	493.0
67.5°	5838.0	5050.3	4323.5	3508.6	2658.1	1936.4	1399.4	1041.9	760.7	554.0	433.7
70°	6183.7	5275.6	4440.4	3512.0	2578.5	1782.2	1235.0	887.7	633.6	459.1	372.7
72.5°	6093.9	5053.7	4132.0	3195.2	2234.6	1489.2	992.8	698.0	494.7	367.6	310.0
75°	5219.7	4206.6	3371.4	2475.2	1689.1	1094.4	726.8	498.1	365.9	288.0	259.2
77.5°	3757.6	3027.4	2417.6	1763.6	1138.5	708.2	482.8	355.8	277.8	237.2	213.5
80°	2393.8	1775.5	1479.0	1060.5	665.8	438.8	332.1	269.4	228.7	198.2	183.0
82.5°	1250.3	875.9	711.5	542.1	369.3	289.7	244.0	220.2	188.1	164.3	155.9
85°	779.3	516.7	382.9	267.7	184.7	166.0	152.5	149.1	133.8	118.6	113.5
87.5°	88.1	79.6	83.0	52.5	39.0	42.4	40.7	54.2	52.5	39.0	40.7
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°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1765.3	1768.7	1768.7	1773.8	1773.8	1777.2	1780.6	1780.6	1783.9	1785.6	1789.0
5°	1745.0	1745.0	1745.0	1751.8	1753.4	1763.6	1767.0	1770.4	1773.8	1785.6	1792.4
7.5°	1739.9	1733.1	1736.5	1736.5	1741.6	1750.1	1758.5	1763.6	1768.7	1783.9	1794.1
10°	1750.1	1745.0	1739.9	1739.9	1741.6	1745.0	1751.8	1756.8	1760.2	1775.5	1783.9
12.5°	1777.2	1765.3	1755.1	1746.7	1739.9	1738.2	1734.8	1736.5	1739.9	1748.4	1760.2
15°	1782.2	1760.2	1738.2	1716.2	1699.2	1689.1	1680.6	1677.2	1677.2	1682.3	1695.8
17.5°	1748.4	1711.1	1678.9	1650.1	1631.5	1612.8	1604.4	1597.6	1594.2	1601.0	1602.7
20°	1675.5	1631.5	1587.4	1553.5	1519.7	1514.6	1501.0	1504.4	1507.8	1518.0	1523.0
22.5°	1575.6	1523.0	1468.8	1433.3	1406.1	1382.4	1367.2	1374.0	1379.0	1389.2	1394.3
25°	1453.6	1377.3	1319.7	1284.2	1255.4	1235.0	1218.1	1224.9	1218.1	1230.0	1248.6
27.5°	1309.6	1219.8	1158.8	1118.1	1097.8	1080.9	1063.9	1063.9	1080.9	1080.9	1096.1
30°	1135.1	1069.0	989.4	947.0	921.6	911.5	909.8	906.4	918.2	925.0	941.9
32.5°	970.7	889.4	813.2	772.5	750.5	738.6	740.3	742.0	747.1	757.3	784.4
35°	804.7	733.6	679.4	633.6	611.6	589.6	589.6	586.2	591.3	603.1	635.3
37.5°	698.0	635.3	593.0	557.4	535.4	521.8	509.9	504.9	504.9	509.9	521.8
40°	638.7	593.0	554.0	523.5	503.2	491.3	484.5	479.4	476.1	476.1	477.8
42.5°	611.6	564.2	525.2	498.1	482.8	476.1	474.4	472.7	467.6	465.9	464.2
45°	598.0	543.8	499.8	477.8	465.9	462.5	464.2	464.2	462.5	459.1	452.3
47.5°	587.9	525.2	481.1	460.8	455.7	455.7	455.7	455.7	454.0	452.3	447.3
50°	570.9	496.4	449.0	433.7	430.3	430.3	432.0	432.0	435.4	432.0	428.6
52.5°	552.3	469.3	421.8	408.3	406.6	404.9	404.9	404.9	406.6	406.6	404.9
55°	532.0	449.0	408.3	398.1	399.8	398.1	396.4	394.7	394.7	393.0	389.7
57.5°	511.6	432.0	398.1	391.3	393.0	393.0	389.7	386.3	384.6	379.5	376.1
60°	481.1	408.3	377.8	374.4	379.5	379.5	379.5	377.8	377.8	376.1	367.6
62.5°	440.5	374.4	350.7	352.4	354.1	357.5	357.5	357.5	357.5	354.1	345.6
63°	432.0	367.6	345.6	345.6	350.7	350.7	352.4	350.7	352.4	349.0	338.8
65°	398.1	345.6	328.7	330.4	333.7	333.7	333.7	332.1	332.1	327.0	321.9
67.5°	359.2	318.5	308.3	310.0	311.7	315.1	313.4	313.4	315.1	311.7	306.6
70°	315.1	289.7	282.9	284.6	286.3	286.3	284.6	284.6	286.3	282.9	277.8
72.5°	281.2	271.1	266.0	266.0	262.6	262.6	259.2	257.5	255.8	255.8	250.7
75°	237.2	235.5	237.2	240.6	237.2	233.8	232.1	227.0	223.6	223.6	221.9
77.5°	203.3	203.3	206.7	211.8	213.5	213.5	208.4	199.9	198.2	198.2	198.2
80°	176.2	172.8	172.8	177.9	183.0	181.3	172.8	164.3	164.3	172.8	174.5
82.5°	154.2	154.2	149.1	150.8	149.1	147.4	138.9	133.8	132.1	138.9	145.7
85°	122.0	123.7	122.0	120.3	118.6	113.5	106.7	101.6	100.0	106.7	116.9
87.5°	49.1	47.4	45.7	47.4	45.7	49.1	47.4	44.0	42.4	47.4	57.6
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1790.7	1794.1	1797.5	1797.5	1800.9	1799.2	1800.9	1802.6	1802.6	1804.3	1804.3
5°	1800.9	1806.0	1812.7	1819.5	1821.2	1826.3	1831.4	1828.0	1833.1	1839.8	1839.8
7.5°	1804.3	1816.1	1821.2	1831.4	1833.1	1839.8	1851.7	1843.2	1853.4	1858.5	1860.2
10°	1799.2	1811.0	1819.5	1831.4	1836.5	1848.3	1860.2	1856.8	1868.6	1877.1	1878.8
12.5°	1768.7	1780.6	1799.2	1816.1	1829.7	1848.3	1870.3	1863.6	1880.5	1890.7	1895.8
15°	1709.4	1721.3	1741.6	1768.7	1794.1	1822.9	1851.7	1856.8	1873.7	1885.6	1890.7
17.5°	1616.2	1631.5	1653.5	1682.3	1714.5	1763.6	1800.9	1819.5	1843.2	1850.0	1858.5
20°	1529.8	1545.1	1558.6	1575.6	1599.3	1646.7	1695.8	1733.1	1763.6	1789.0	1795.8
22.5°	1414.6	1428.2	1445.1	1458.7	1475.6	1509.5	1550.1	1592.5	1639.9	1655.2	1672.1
25°	1275.7	1284.2	1307.9	1316.4	1328.2	1357.0	1389.2	1419.7	1465.4	1497.6	1506.1
27.5°	1126.6	1135.1	1157.1	1162.2	1177.4	1204.5	1228.3	1240.1	1282.5	1316.4	1343.5
30°	953.8	975.8	1002.9	1006.3	1023.3	1040.2	1062.2	1074.1	1113.1	1148.6	1182.5
32.5°	804.7	826.7	848.8	862.3	870.8	884.3	906.4	918.2	955.5	987.7	1021.6
35°	652.2	679.4	703.1	721.7	728.5	745.4	762.4	774.2	813.2	842.0	865.7
37.5°	537.0	557.4	582.8	601.4	620.1	631.9	652.2	669.2	692.9	708.2	733.6
40°	481.1	491.3	504.9	520.1	535.4	548.9	564.2	577.7	593.0	613.3	630.2
42.5°	462.5	464.2	464.2	469.3	477.8	484.5	498.1	508.2	518.4	533.7	542.1
45°	449.0	447.3	443.9	440.5	442.2	445.6	454.0	460.8	472.7	479.4	481.1
47.5°	442.2	435.4	428.6	423.5	421.8	423.5	430.3	437.1	443.9	449.0	450.6
50°	420.1	415.1	404.9	398.1	394.7	398.1	406.6	410.0	416.8	421.8	423.5
52.5°	398.1	391.3	384.6	377.8	377.8	379.5	386.3	393.0	399.8	401.5	404.9
55°	384.6	374.4	367.6	362.5	359.2	364.2	369.3	377.8	386.3	388.0	391.3
57.5°	371.0	360.9	354.1	349.0	345.6	350.7	355.8	367.6	377.8	377.8	377.8
60°	362.5	354.1	343.9	338.8	333.7	338.8	345.6	357.5	367.6	365.9	364.2
62.5°	338.8	330.4	325.3	325.3	320.2	328.7	335.4	349.0	350.7	347.3	343.9
63°	332.1	325.3	321.9	321.9	318.5	327.0	333.7	345.6	345.6	342.2	338.8
65°	315.1	310.0	306.6	310.0	310.0	318.5	320.2	328.7	327.0	321.9	320.2
67.5°	301.6	298.2	294.8	294.8	294.8	296.5	298.2	301.6	299.9	298.2	299.9
70°	279.5	277.8	274.5	274.5	272.8	272.8	272.8	274.5	274.5	276.1	277.8
72.5°	252.4	249.0	249.0	250.7	247.3	249.0	250.7	249.0	252.4	252.4	254.1
75°	221.9	220.2	223.6	227.0	225.3	225.3	227.0	227.0	228.7	228.7	230.4
77.5°	198.2	199.9	201.6	205.0	206.7	206.7	206.7	205.0	206.7	206.7	208.4
80°	176.2	179.6	183.0	186.4	188.1	188.1	188.1	186.4	186.4	186.4	186.4
82.5°	159.3	164.3	167.7	169.4	169.4	169.4	169.4	169.4	169.4	166.0	162.6
85°	133.8	144.0	144.0	145.7	140.6	137.2	133.8	135.5	137.2	130.4	128.8
87.5°	67.8	67.8	71.2	74.5	76.2	76.2	86.4	81.3	79.6	77.9	74.5
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: P153546

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1806.0	1804.3	1807.7	1804.3	1806.0	1807.7	1804.3	1809.4	1812.7	1807.7	1802.6
5°	1843.2	1843.2	1851.7	1855.1	1856.8	1867.0	1861.9	1865.3	1868.6	1867.0	1868.6
7.5°	1867.0	1873.7	1882.2	1890.7	1892.4	1900.8	1899.1	1904.2	1907.6	1916.1	1916.1
10°	1887.3	1895.8	1907.6	1916.1	1924.6	1931.3	1934.7	1944.9	1946.6	1953.4	1953.4
12.5°	1905.9	1916.1	1927.9	1941.5	1950.0	1963.5	1965.2	1980.5	1985.5	1987.2	1982.2
15°	1902.5	1914.4	1927.9	1943.2	1958.4	1975.4	1985.5	2000.8	2009.3	2012.7	2004.2
17.5°	1870.3	1880.5	1897.4	1917.8	1936.4	1958.4	1977.1	1999.1	2012.7	2016.0	2014.3
20°	1807.7	1814.4	1836.5	1863.6	1885.6	1919.5	1946.6	1980.5	2002.5	2019.4	2024.5
22.5°	1684.0	1700.9	1723.0	1753.4	1785.6	1828.0	1867.0	1916.1	1963.5	2004.2	2044.8
25°	1534.9	1565.4	1599.3	1639.9	1678.9	1723.0	1767.0	1822.9	1892.4	1977.1	2073.6
27.5°	1384.1	1436.6	1479.0	1531.5	1577.3	1621.3	1670.4	1731.4	1807.7	1909.3	2033.0
30°	1231.6	1290.9	1336.7	1397.7	1458.7	1518.0	1567.1	1631.5	1706.0	1809.4	1944.9
32.5°	1069.0	1128.3	1182.5	1238.4	1306.2	1377.3	1436.6	1516.3	1595.9	1702.6	1839.8
35°	901.3	953.8	999.5	1058.8	1133.4	1209.6	1287.6	1379.0	1465.4	1577.3	1723.0
37.5°	755.6	792.9	836.9	889.4	947.0	1028.3	1116.4	1224.9	1323.1	1445.1	1594.2
40°	635.3	655.6	681.0	725.1	777.6	857.2	943.6	1058.8	1177.4	1311.3	1455.3
42.5°	542.1	552.3	559.1	587.9	630.2	708.2	791.2	903.0	1033.4	1179.1	1324.8
45°	481.1	486.2	487.9	503.2	533.7	601.4	687.8	782.7	908.1	1050.4	1202.8
47.5°	452.3	457.4	460.8	464.2	482.8	535.4	613.3	703.1	818.3	948.7	1104.6
50°	428.6	433.7	438.8	437.1	445.6	479.4	545.5	628.5	737.0	857.2	1011.4
52.5°	404.9	408.3	408.3	408.3	413.4	435.4	482.8	559.1	659.0	772.5	925.0
55°	391.3	394.7	396.4	398.1	399.8	411.7	447.3	508.2	594.6	699.7	836.9
57.5°	377.8	379.5	382.9	384.6	388.0	394.7	416.8	460.8	533.7	621.8	737.0
60°	365.9	369.3	376.1	377.8	381.2	382.9	393.0	420.1	467.6	535.4	628.5
62.5°	347.3	352.4	359.2	360.9	364.2	365.9	367.6	382.9	404.9	445.6	515.0
63°	342.2	347.3	355.8	357.5	359.2	359.2	360.9	371.0	391.3	426.9	477.8
65°	323.6	330.4	335.4	337.1	338.8	338.8	337.1	340.5	342.2	357.5	388.0
67.5°	303.3	308.3	311.7	313.4	311.7	313.4	311.7	308.3	304.9	308.3	321.9
70°	282.9	286.3	286.3	288.0	289.7	291.4	288.0	284.6	281.2	279.5	288.0
72.5°	259.2	262.6	262.6	264.3	264.3	267.7	267.7	266.0	266.0	267.7	269.4
75°	235.5	238.9	237.2	240.6	240.6	245.7	245.7	247.3	250.7	249.0	247.3
77.5°	213.5	215.2	215.2	216.9	218.5	227.0	232.1	233.8	233.8	230.4	227.0
80°	189.7	189.7	186.4	184.7	186.4	194.8	205.0	206.7	211.8	210.1	211.8
82.5°	159.3	152.5	147.4	147.4	150.8	155.9	159.3	162.6	166.0	166.0	169.4
85°	122.0	115.2	110.1	111.8	116.9	118.6	116.9	116.9	123.7	128.8	123.7
87.5°	72.8	66.1	62.7	57.6	59.3	64.4	62.7	57.6	59.3	47.4	44.0
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: P153546

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1806.0	1804.3	1800.9	1795.8	1794.1	1790.7	1792.4	1787.3	1783.9	1780.6	1775.5
5°	1868.6	1868.6	1858.5	1858.5	1853.4	1851.7	1839.8	1834.8	1824.6	1828.0	1816.1
7.5°	1912.7	1917.8	1905.9	1904.2	1897.4	1895.8	1880.5	1875.4	1867.0	1863.6	1853.4
10°	1944.9	1944.9	1929.6	1917.8	1909.3	1900.8	1885.6	1878.8	1872.0	1873.7	1867.0
12.5°	1970.3	1958.4	1936.4	1919.5	1907.6	1899.1	1887.3	1882.2	1880.5	1892.4	1894.1
15°	1990.6	1973.7	1946.6	1934.7	1924.6	1922.9	1922.9	1927.9	1939.8	1961.8	1978.8
17.5°	2002.5	1992.3	1978.8	1975.4	1992.3	2002.5	2016.0	2031.3	2048.2	2078.7	2097.4
20°	2024.5	2031.3	2041.5	2055.0	2082.1	2107.5	2124.5	2146.5	2166.8	2204.1	2234.6
22.5°	2082.1	2121.1	2153.3	2180.4	2221.0	2256.6	2278.6	2309.1	2324.4	2349.8	2397.2
25°	2156.7	2236.3	2304.0	2361.6	2424.3	2461.6	2492.1	2531.1	2554.8	2597.1	2639.5
27.5°	2134.6	2248.1	2349.8	2456.5	2542.9	2639.5	2707.3	2771.6	2812.3	2875.0	2930.9
30°	2066.9	2202.4	2339.6	2480.2	2617.5	2756.4	2885.1	3002.0	3091.8	3181.6	3273.1
32.5°	1975.4	2131.2	2299.0	2471.8	2651.3	2844.5	3022.4	3198.6	3347.6	3478.1	3605.2
35°	1870.3	2046.5	2221.0	2434.5	2656.4	2902.1	3149.4	3393.4	3620.4	3850.8	4006.7
37.5°	1745.0	1924.6	2119.4	2365.0	2625.9	2929.2	3244.3	3562.8	3884.7	4194.7	4464.1
40°	1611.1	1794.1	1999.1	2265.1	2559.9	2912.2	3305.3	3733.9	4176.1	4625.0	4982.5
42.5°	1492.5	1680.6	1904.2	2173.6	2493.8	2890.2	3354.4	3881.3	4421.7	4977.4	5502.6
45°	1377.3	1584.0	1819.5	2109.2	2465.0	2907.2	3427.3	4018.5	4642.0	5316.2	5956.6
47.5°	1274.0	1484.1	1712.8	2029.6	2422.6	2915.6	3498.4	4155.8	4850.4	5580.5	6341.2
50°	1180.8	1384.1	1609.4	1927.9	2356.6	2910.6	3562.8	4279.4	5029.9	5788.9	6637.7
52.5°	1089.3	1296.0	1526.4	1829.7	2275.2	2881.8	3593.3	4381.1	5196.0	5999.0	6876.6
55°	999.5	1202.8	1434.9	1736.5	2168.5	2807.2	3589.9	4447.1	5328.1	6197.2	7107.0
57.5°	894.5	1087.6	1314.7	1633.2	2055.0	2692.0	3539.1	4477.6	5441.6	6393.7	7383.1
60°	764.1	945.3	1163.9	1482.4	1905.9	2544.6	3432.4	4460.7	5507.7	6539.4	7618.6
62.5°	603.1	760.7	960.6	1272.3	1719.6	2332.8	3232.4	4306.5	5402.6	6519.1	7728.7
63°	569.2	718.3	913.1	1221.5	1639.9	2275.2	3173.1	4245.5	5351.8	6476.7	7713.5
65°	457.4	554.0	709.8	986.0	1372.3	1992.3	2878.4	3932.1	5079.1	6178.6	7493.2
67.5°	350.7	399.8	482.8	676.0	970.7	1567.1	2331.2	3332.4	4408.2	5441.6	6783.4
70°	299.9	321.9	357.5	449.0	616.7	989.4	1636.6	2485.3	3417.1	4313.3	5519.5
72.5°	272.8	282.9	301.6	340.5	423.5	593.0	1043.6	1617.9	2324.4	3074.9	4006.7
75°	250.7	259.2	274.5	294.8	325.3	394.7	594.6	989.4	1511.2	2019.4	2703.9
77.5°	228.7	233.8	250.7	269.4	289.7	325.3	393.0	569.2	869.1	1191.0	1629.8
80°	210.1	206.7	218.5	249.0	269.4	289.7	310.0	369.3	494.7	652.2	881.0
82.5°	167.7	171.1	181.3	211.8	220.2	215.2	218.5	228.7	276.1	301.6	450.6
85°	113.5	105.0	103.3	106.7	106.7	101.6	101.6	100.0	110.1	125.4	215.2
87.5°	30.5	15.2	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: P153546

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1772.1	1770.4	1772.1	1763.6	1763.6	1761.9	1760.2	1756.8	1756.8	1750.1	1755.1
5°	1806.0	1802.6	1795.8	1785.6	1780.6	1773.8	1773.8	1767.0	1761.9	1755.1	1756.8
7.5°	1844.9	1846.6	1834.8	1826.3	1822.9	1816.1	1817.8	1807.7	1809.4	1804.3	1800.9
10°	1867.0	1867.0	1870.3	1868.6	1872.0	1872.0	1877.1	1870.3	1867.0	1861.9	1861.9
12.5°	1902.5	1909.3	1922.9	1922.9	1933.0	1936.4	1938.1	1941.5	1934.7	1931.3	1919.5
15°	1990.6	2007.6	2019.4	2036.4	2056.7	2063.5	2063.5	2056.7	2053.3	2048.2	2026.2
17.5°	2136.3	2173.6	2183.8	2210.9	2214.3	2222.7	2246.4	2232.9	2224.4	2188.8	2182.1
20°	2285.4	2332.8	2380.3	2414.2	2431.1	2465.0	2470.1	2463.3	2429.4	2395.5	2380.3
22.5°	2465.0	2536.1	2590.4	2642.9	2668.3	2685.2	2722.5	2714.0	2686.9	2636.1	2615.8
25°	2719.1	2807.2	2864.8	2929.2	2963.1	2980.0	3017.3	3017.3	2988.5	2973.2	2971.5
27.5°	3039.3	3147.7	3242.6	3264.6	3352.7	3373.1	3408.6	3408.6	3381.5	3362.9	3452.7
30°	3395.1	3508.6	3672.9	3783.0	3889.8	3994.8	3993.1	3999.9	4032.1	4049.0	4088.0
32.5°	3750.9	3891.5	4066.0	4304.8	4533.5	4728.4	4980.8	5141.7	5092.6	4955.4	4901.2
35°	4182.9	4338.7	4550.5	4791.1	5209.5	5461.9	5583.9	5670.3	5680.5	5699.1	5738.1
37.5°	4664.0	4924.9	5170.5	5443.3	5675.4	5982.0	6265.0	6492.0	6544.5	6651.2	6590.2
40°	5272.2	5563.6	5821.1	6173.5	6485.2	6854.5	7259.4	7571.2	7696.5	7655.9	7350.9
42.5°	5909.2	6270.1	6571.6	6986.7	7391.6	7879.5	8298.0	8733.3	8811.3	8497.9	8042.1
45°	6495.4	6942.6	7317.0	7749.0	8243.7	8828.2	9387.3	9834.5	9819.3	9282.3	8672.4
47.5°	7022.3	7571.2	8028.6	8591.0	9123.0	9819.3	10461.4	10791.7	10596.9	9961.6	9214.5
50°	7457.7	8142.1	8706.2	9275.5	9951.4	10790.0	11408.4	11594.8	11218.7	10527.5	9741.4
52.5°	7808.3	8667.3	9300.9	9956.5	10810.4	11693.0	12225.0	12155.5	11669.3	10959.5	10176.8
55°	8104.8	9068.8	9824.4	10598.6	11657.5	12470.6	12824.7	12638.4	11959.0	11239.0	10474.9
57.5°	8411.5	9458.4	10305.5	11203.4	12382.6	13080.5	13277.1	12894.2	12096.2	11345.7	10603.7
60°	8718.1	9783.7	10730.8	11732.0	12931.5	13578.6	13524.4	12951.8	12055.6	11267.8	10517.3
62.5°	8924.8	9976.9	10978.1	12057.3	13343.1	13832.7	13500.7	12746.8	11820.1	10961.2	10259.8
63°	8929.9	9983.6	10993.3	12079.3	13388.9	13841.2	13454.9	12673.9	11745.6	10898.5	10183.5
65°	8823.1	9856.6	10857.8	11979.3	13349.9	13646.4	13060.2	12243.6	11320.3	10464.8	9787.1
67.5°	8277.6	9331.4	10215.7	11272.9	12651.9	12736.6	12003.1	11344.0	10513.9	9627.9	8919.7
70°	7178.1	8054.0	8921.4	9804.1	10961.2	10945.9	10256.4	9920.9	9194.2	8184.4	7616.9
72.5°	5709.3	6495.4	7105.3	7696.5	8458.9	8304.7	7860.9	7954.0	7483.1	6729.2	6392.0
75°	4238.8	5102.8	5401.0	5641.5	5963.4	5965.1	6087.1	6351.4	6344.6	5926.1	5500.9
77.5°	2780.1	3725.4	3825.4	4018.5	4404.8	4930.0	5472.1	6054.9	6200.6	5870.2	5241.7
80°	1550.1	2532.8	2417.6	2583.6	3000.3	3713.6	4513.2	5157.0	5536.5	5351.8	4686.0
82.5°	792.9	1460.4	1396.0	1626.4	1963.5	2583.6	3112.2	3606.8	4054.1	4028.7	3776.3
85°	411.7	799.6	909.8	1030.0	1199.5	1421.4	1621.3	1765.3	1951.7	2280.3	2392.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	0.0	122.0	88.1	242.3	345.6
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: P153546

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2
2.5°	1756.8	1758.5	1755.1	1755.1	1756.8	1756.8	1753.4
5°	1753.4	1753.4	1750.1	1746.7	1743.3	1743.3	1739.9
7.5°	1792.4	1792.4	1780.6	1775.5	1767.0	1760.2	1756.8
10°	1850.0	1839.8	1826.3	1816.1	1802.6	1787.3	1778.9
12.5°	1907.6	1892.4	1875.4	1860.2	1843.2	1826.3	1817.8
15°	2002.5	1982.2	1960.1	1941.5	1917.8	1892.4	1882.2
17.5°	2148.2	2116.0	2087.2	2060.1	2017.7	1999.1	1978.8
20°	2341.3	2293.9	2256.6	2210.9	2158.3	2141.4	2116.0
22.5°	2575.1	2534.5	2459.9	2426.0	2373.5	2348.1	2353.2
25°	2930.9	2878.4	2792.0	2759.8	2754.7	2698.8	2671.7
27.5°	3395.1	3398.5	3318.8	3232.4	3185.0	3096.9	2985.1
30°	4055.8	4010.1	3916.9	3828.8	3717.0	3550.9	3364.6
32.5°	4855.4	4753.8	4599.6	4435.3	4237.1	3981.3	3720.4
35°	5636.4	5458.6	5212.9	4938.5	4652.1	4333.6	3964.3
37.5°	6322.6	6046.4	5678.8	5363.7	4958.8	4560.7	4110.0
40°	6949.4	6607.2	6132.8	5724.5	5246.8	4735.2	4201.5
42.5°	7555.9	7122.2	6541.1	5988.8	5448.4	4852.0	4245.5
45°	8133.6	7574.6	6885.0	6227.7	5595.8	4928.3	4252.3
47.5°	8577.5	7967.6	7193.4	6400.5	5697.4	4985.9	4252.3
50°	8989.2	8299.6	7428.9	6536.0	5792.3	5024.9	4255.7
52.5°	9309.4	8533.4	7581.3	6632.6	5866.8	5053.7	4271.0
55°	9541.5	8685.9	7683.0	6691.9	5921.1	5094.3	4304.8
57.5°	9704.1	8785.9	7738.9	6744.4	5987.1	5165.5	4399.7
60°	9782.0	8970.5	7832.1	6849.5	6100.6	5316.2	4589.5
62.5°	9722.7	9256.8	8098.0	7027.3	6258.2	5551.7	4892.7
63°	9697.3	9309.4	8170.9	7066.3	6293.8	5602.6	4997.7
65°	9499.1	9361.9	8470.8	7262.8	6463.2	5827.9	5290.8
67.5°	8884.1	9155.2	8723.2	7594.9	6827.4	6375.1	5838.0
70°	8087.9	8848.6	8677.4	7637.2	7059.5	6824.0	6183.7
72.5°	7134.1	7921.9	7762.6	7073.1	6803.7	6829.1	6093.9
75°	5614.4	6205.7	6100.6	5858.4	5912.6	6098.9	5219.7
77.5°	4498.0	4418.3	4176.1	4193.0	4506.4	4725.0	3757.6
80°	3674.6	2974.9	2659.8	2668.3	3215.5	3442.5	2393.8
82.5°	3496.7	2814.0	2292.2	2002.5	2339.6	2253.2	1250.3
85°	2490.4	2495.5	2070.3	1682.3	1629.8	1385.8	779.3
87.5°	589.6	472.7	337.1	250.7	264.3	174.5	88.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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