

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: P148949

Luminaire Tested: **TLM-E03-LED-E1-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148949
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E03-LED-E1-RW-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8559.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

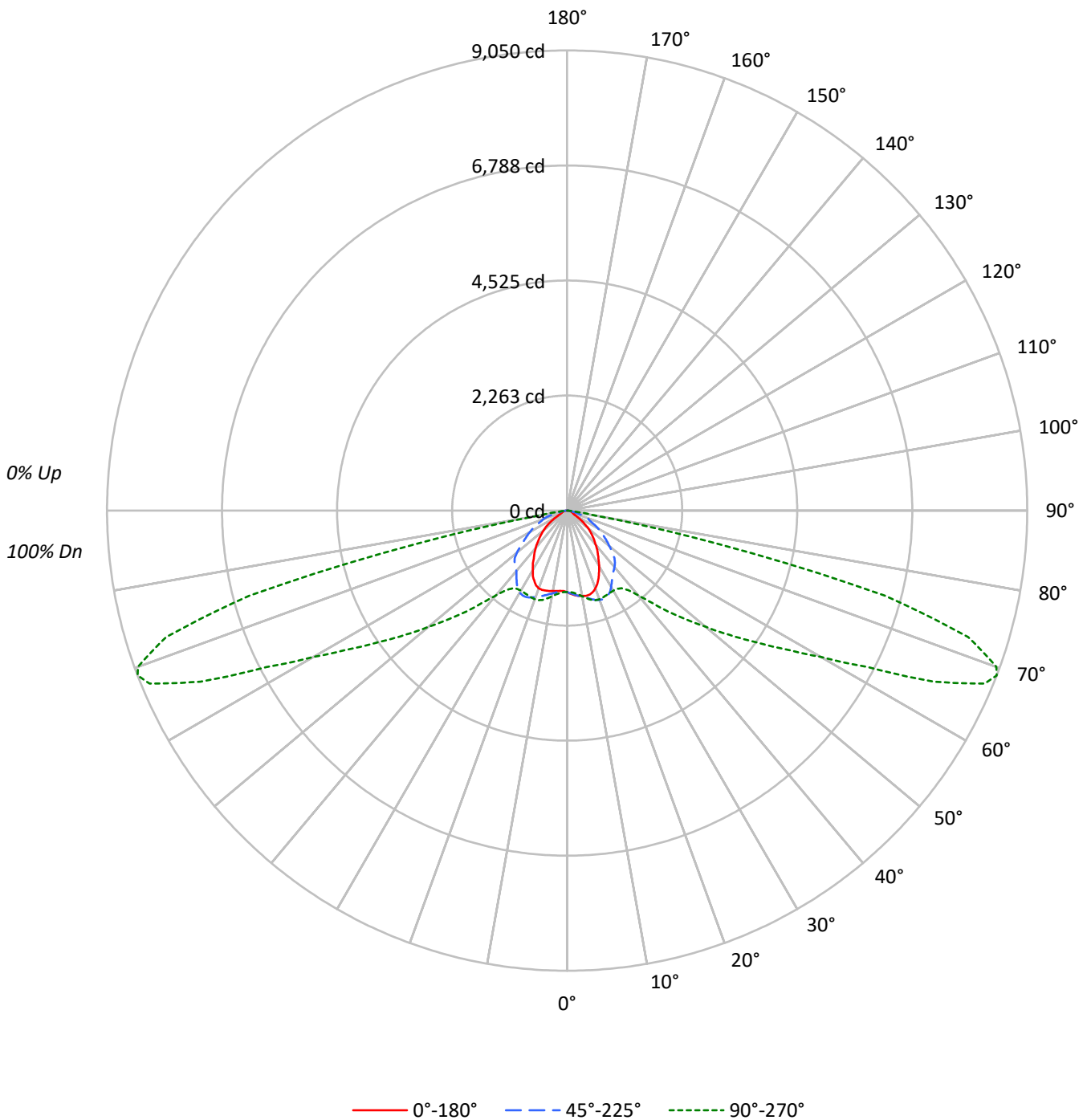
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: TLM-E03-LED-E1-RW-7030

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	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79					79			
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61					61			
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48					48			
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39					39			
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32					32			
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27					27			
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23					23			
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20					20			
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18					18			
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16					16			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	34526	34526	34526
5°	36061	35153	34245
10°	37295	37415	35160
15°	38147	40489	36275
20°	37226	42497	37308
25°	34734	43542	36295
30°	31264	45205	33578
35°	27771	48990	30028
40°	24486	60960	27054
45°	21412	85422	23634
50°	18018	119085	20282
55°	12994	169002	15940
60°	7746	247471	9515
65°	6979	405466	6979
70°	7131	565463	7245
75°	7594	538173	7977
80°	7699	69301	8381
85°	4965	17364	6990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.8
10°-20°	496.3	5.8
20°-30°	804.0	9.4
30°-40°	1002.0	11.7
40°-50°	1252.1	14.6
50°-60°	1546.1	18.1
60°-70°	1921.1	22.4
70°-80°	1275.4	14.9
80°-90°	105.3	1.2
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°	1457.6	17.0
0°-40°	2459.6	28.7
0°-60°	5257.9	61.4
0°-90°	8559.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8559.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1604	1604	1604	1604	1604	
5°	1669	1659	1627	1601	1585	160
15°	1712	1799	1817	1727	1628	479
25°	1462	1862	1833	1880	1528	668
35°	1057	1556	1864	1732	1143	662
45°	703	1311	2806	1463	776	542
55°	346	887	4503	1039	425	309
65°	137	514	7960	654	137	138
75°	91	203	6470	264	96	95
85°	20	38	70	50	28	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1640.4	1645.9	1640.4	1640.4	1635.8	1631.2	1628.5	1622.1	1618.5	1616.6	1616.6
5°	1668.7	1667.8	1668.7	1668.7	1664.1	1658.6	1655.0	1649.5	1644.0	1643.1	1642.2
7.5°	1689.7	1688.8	1691.5	1697.0	1694.3	1689.7	1689.7	1684.2	1680.6	1680.6	1678.7
10°	1706.1	1707.1	1712.5	1720.8	1722.6	1721.7	1728.1	1726.2	1724.4	1726.2	1724.4
12.5°	1717.1	1718.0	1725.3	1740.8	1750.9	1757.3	1773.7	1774.6	1775.6	1775.6	1775.6
15°	1711.6	1711.6	1726.2	1755.5	1780.1	1799.3	1820.3	1824.0	1820.3	1823.0	1821.2
17.5°	1679.7	1681.5	1705.2	1750.0	1800.2	1842.2	1865.1	1858.7	1852.3	1852.3	1849.5
20°	1624.9	1628.5	1660.5	1723.5	1803.0	1869.6	1905.2	1884.2	1866.9	1864.1	1861.4
22.5°	1557.3	1554.5	1592.9	1672.3	1781.9	1881.5	1929.9	1904.3	1873.3	1866.9	1862.3
25°	1462.3	1464.1	1504.3	1592.9	1729.0	1862.3	1937.2	1924.4	1887.9	1879.7	1869.6
27.5°	1358.2	1362.7	1405.6	1496.1	1646.8	1814.8	1929.0	1944.5	1916.2	1907.1	1897.9
30°	1257.7	1260.4	1308.8	1405.6	1545.4	1730.8	1907.1	1966.4	1951.8	1944.5	1936.3
32.5°	1150.8	1160.0	1202.0	1311.6	1465.0	1638.6	1873.3	1989.3	1994.8	1990.2	1985.6
35°	1056.7	1064.1	1111.5	1226.6	1387.4	1556.3	1832.2	2013.9	2051.4	2050.5	2049.6
37.5°	971.8	973.6	1023.9	1140.8	1310.7	1498.8	1789.3	2054.1	2120.8	2129.9	2140.9
40°	871.3	880.5	932.5	1058.6	1234.8	1449.5	1752.7	2108.0	2217.6	2237.7	2253.2
42.5°	791.0	791.0	837.5	962.7	1145.3	1392.9	1739.9	2175.6	2332.7	2360.1	2387.5
45°	703.3	706.0	750.8	864.9	1043.0	1310.7	1738.1	2250.5	2461.5	2500.8	2534.5
47.5°	620.2	622.0	669.5	780.0	937.1	1197.4	1715.3	2333.6	2596.7	2653.3	2690.7
50°	538.0	535.2	580.9	693.2	843.0	1080.5	1642.2	2441.4	2764.7	2821.3	2864.3
52.5°	436.6	443.9	493.2	600.1	750.8	980.9	1493.3	2547.3	2938.2	3002.2	3060.6
55°	346.2	345.2	401.0	497.8	651.2	886.9	1317.1	2622.2	3107.2	3181.2	3246.0
57.5°	248.4	251.2	298.7	394.6	548.0	802.8	1183.7	2609.4	3237.8	3325.5	3407.7
60°	179.9	185.4	221.0	291.4	437.5	706.0	1090.5	2461.5	3327.3	3447.0	3546.5
62.5°	151.6	156.2	187.2	225.6	337.9	604.6	1000.1	2224.0	3443.3	3601.3	3745.6
65°	137.0	140.7	171.7	193.6	259.4	514.2	943.5	2056.0	3595.9	3836.1	4033.4
67.5°	123.3	128.8	156.2	172.6	220.1	459.4	927.1	2030.4	3625.1	3942.9	4223.3
69°	116.9	122.4	147.0	161.7	207.3	442.1	896.0	1938.1	3434.2	3775.8	4090.0
70°	113.3	117.8	139.7	155.3	203.7	425.6	852.2	1803.0	3231.4	3575.8	3913.7
72.5°	104.1	106.9	125.1	140.7	187.2	327.0	645.7	1302.4	2412.2	2752.8	3084.4
75°	91.3	94.1	110.5	126.0	145.2	202.8	391.8	772.7	1480.5	1709.8	2042.3
77.5°	78.5	81.3	95.0	118.7	115.1	132.4	239.3	462.2	776.3	890.5	1103.3
80°	62.1	65.8	79.5	114.2	95.9	105.0	175.4	341.6	472.2	519.7	575.4
82.5°	43.8	45.7	60.3	91.3	72.2	79.5	131.5	284.1	379.0	413.7	430.2
85°	20.1	21.0	35.6	53.9	42.9	38.4	70.3	181.8	251.2	261.2	275.8
87.5°	0.0	0.0	3.7	3.7	7.3	4.6	8.2	22.8	38.4	38.4	46.6
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1617.5	1616.6	1617.5	1617.5	1618.5	1614.8	1613.9	1613.0	1612.1	1613.0	1611.2
5°	1642.2	1641.3	1641.3	1642.2	1641.3	1638.6	1637.6	1637.6	1634.9	1634.0	1634.0
7.5°	1679.7	1677.8	1675.1	1676.9	1677.8	1676.9	1677.8	1675.1	1675.1	1672.3	1673.3
10°	1726.2	1724.4	1723.5	1725.3	1726.2	1725.3	1726.2	1722.6	1721.7	1720.8	1718.9
12.5°	1777.4	1773.7	1776.5	1776.5	1777.4	1781.0	1776.5	1778.3	1774.6	1774.6	1773.7
15°	1822.1	1821.2	1823.0	1823.0	1822.1	1824.9	1824.0	1824.9	1820.3	1818.5	1823.0
17.5°	1850.4	1847.7	1848.6	1847.7	1847.7	1847.7	1849.5	1849.5	1846.8	1845.9	1847.7
20°	1857.8	1853.2	1852.3	1851.4	1849.5	1849.5	1850.4	1848.6	1846.8	1845.0	1846.8
22.5°	1855.9	1850.4	1845.0	1842.2	1839.5	1835.8	1834.9	1833.1	1830.4	1830.4	1831.3
25°	1862.3	1852.3	1844.1	1838.6	1831.3	1826.7	1823.0	1818.5	1813.9	1811.2	1812.1
27.5°	1884.2	1873.3	1862.3	1851.4	1840.4	1831.3	1824.0	1815.7	1808.4	1803.0	1800.2
30°	1925.3	1910.7	1897.9	1885.2	1871.5	1858.7	1846.8	1834.0	1820.3	1812.1	1804.8
32.5°	1972.8	1962.8	1954.6	1940.0	1925.3	1909.8	1895.2	1884.2	1864.1	1848.6	1835.8
35°	2045.0	2041.3	2036.8	2025.8	2009.4	2001.2	1989.3	1971.9	1948.2	1934.5	1915.3
37.5°	2144.5	2145.5	2141.8	2137.2	2139.1	2123.5	2116.2	2114.4	2090.7	2081.5	2053.2
40°	2266.9	2280.6	2292.5	2292.5	2301.6	2302.6	2300.7	2316.3	2298.9	2302.6	2272.4
42.5°	2403.0	2435.9	2454.2	2467.9	2498.0	2511.7	2534.5	2568.3	2570.2	2587.5	2589.3
45°	2563.8	2600.3	2635.0	2670.6	2710.8	2758.3	2805.8	2840.5	2895.3	2907.2	2946.5
47.5°	2730.9	2783.9	2824.1	2869.7	2938.2	2999.4	3069.8	3141.0	3204.0	3248.8	3274.4
50°	2915.4	2969.3	3027.8	3078.9	3152.0	3237.8	3335.6	3433.3	3514.6	3594.0	3658.0
52.5°	3120.0	3179.4	3234.2	3300.8	3374.8	3477.1	3584.0	3718.2	3826.9	3935.6	4014.2
55°	3316.4	3383.0	3433.3	3518.2	3594.9	3700.0	3832.4	3991.3	4142.0	4273.6	4380.4
57.5°	3487.2	3552.9	3623.3	3696.3	3789.5	3894.5	4057.1	4237.9	4409.7	4582.3	4740.3
60°	3647.0	3735.6	3812.3	3909.1	4002.3	4123.8	4317.4	4541.2	4775.9	4990.5	5148.6
62.5°	3888.1	4001.4	4091.8	4211.5	4341.2	4484.6	4698.3	4944.9	5250.9	5527.6	5773.3
65°	4225.2	4398.7	4544.8	4691.9	4849.9	5047.2	5278.3	5591.5	5929.5	6338.7	6662.9
67.5°	4465.4	4682.7	4871.8	5056.3	5238.1	5456.4	5742.2	6109.4	6546.9	6977.1	7389.0
69°	4368.6	4598.7	4808.8	4992.4	5184.2	5402.5	5681.0	6083.8	6529.5	7002.7	7410.9
70°	4164.9	4413.3	4638.0	4813.4	5009.7	5226.2	5534.0	5918.5	6373.4	6862.9	7263.0
72.5°	3349.3	3611.4	3833.3	4027.9	4233.4	4487.3	4761.3	5130.3	5634.5	6114.0	6470.2
75°	2307.1	2551.9	2803.1	2948.3	3183.9	3364.8	3625.1	4003.2	4424.3	4776.8	5106.5
77.5°	1305.2	1436.7	1626.7	1686.0	1855.0	1975.6	2113.5	2346.4	2565.6	2770.2	2829.6
80°	593.7	554.4	573.6	544.4	576.3	556.2	533.4	546.2	543.4	584.5	546.2
82.5°	427.4	369.0	306.9	264.9	232.9	197.3	168.1	150.7	148.9	156.2	153.4
85°	273.1	249.3	195.5	157.1	120.6	93.2	77.6	70.3	70.3	74.9	74.0
87.5°	47.5	41.1	25.6	21.9	19.2	12.8	8.2	8.2	7.3	9.1	11.9
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1611.2	1610.2	1608.4	1607.5	1607.5	1605.7	1604.8	1606.6	1607.5	1608.4	1605.7
5°	1634.0	1631.2	1630.3	1631.2	1626.7	1627.6	1626.7	1627.6	1627.6	1627.6	1625.8
7.5°	1670.5	1667.8	1669.6	1667.8	1665.0	1664.1	1664.1	1661.4	1657.7	1656.8	1657.7
10°	1720.8	1717.1	1718.0	1718.9	1716.2	1714.4	1711.6	1708.0	1708.0	1707.1	1705.2
12.5°	1774.6	1772.8	1772.8	1773.7	1772.8	1769.2	1765.5	1763.7	1762.8	1762.8	1762.8
15°	1821.2	1820.3	1821.2	1820.3	1820.3	1818.5	1816.7	1813.9	1813.0	1813.9	1814.8
17.5°	1847.7	1845.0	1847.7	1848.6	1847.7	1847.7	1847.7	1845.9	1845.0	1845.0	1845.9
20°	1849.5	1847.7	1849.5	1852.3	1852.3	1853.2	1855.0	1855.9	1855.0	1856.8	1857.8
22.5°	1831.3	1831.3	1834.0	1836.7	1841.3	1843.1	1846.8	1848.6	1850.4	1853.2	1855.0
25°	1813.0	1812.1	1814.8	1820.3	1824.0	1828.5	1833.1	1836.7	1840.4	1844.1	1847.7
27.5°	1800.2	1799.3	1801.1	1805.7	1810.3	1815.7	1823.0	1828.5	1833.1	1837.7	1840.4
30°	1801.1	1797.5	1796.6	1800.2	1804.8	1811.2	1818.5	1824.9	1831.3	1834.9	1837.7
32.5°	1827.6	1818.5	1814.8	1813.9	1815.7	1820.3	1825.8	1832.2	1836.7	1840.4	1841.3
35°	1896.1	1878.8	1875.1	1863.2	1865.1	1864.1	1864.1	1867.8	1871.5	1871.5	1865.1
37.5°	2034.9	2010.3	1992.9	1981.1	1969.2	1968.3	1966.4	1964.6	1955.5	1950.0	1949.1
40°	2251.4	2241.4	2208.5	2199.3	2179.3	2165.6	2169.2	2161.9	2140.0	2131.8	2128.1
42.5°	2567.4	2572.9	2554.6	2511.7	2494.4	2467.9	2446.0	2442.3	2422.2	2405.8	2393.0
45°	2938.2	2948.3	2934.6	2903.5	2872.5	2832.3	2805.8	2754.7	2734.6	2709.0	2691.6
47.5°	3319.1	3346.5	3324.6	3297.2	3279.8	3216.8	3162.0	3102.7	3072.5	3036.0	3019.5
50°	3697.2	3745.6	3732.9	3707.3	3688.1	3608.6	3555.7	3473.5	3456.1	3419.6	3399.5
52.5°	4075.4	4122.9	4151.2	4127.4	4113.7	4049.8	4013.3	3947.5	3898.2	3875.3	3874.4
55°	4457.1	4533.9	4578.6	4570.4	4547.6	4539.4	4502.8	4496.4	4458.1	4433.4	4400.5
57.5°	4830.7	4912.0	4989.6	5035.3	5054.5	5048.1	5065.4	5063.6	5069.1	5066.4	5012.5
60°	5305.7	5434.4	5547.7	5619.8	5688.3	5735.8	5747.7	5818.0	5797.9	5841.8	5757.8
62.5°	5976.1	6143.2	6314.9	6390.7	6474.7	6629.1	6665.6	6748.7	6761.5	6772.5	6727.7
65°	6910.4	7129.6	7389.0	7505.0	7636.5	7834.7	7959.8	8048.4	8045.7	7985.4	7927.9
67.5°	7707.8	7967.2	8205.5	8407.4	8603.8	8758.1	8889.6	9009.3	9015.7	8978.2	8879.6
69°	7776.3	8047.5	8306.9	8549.9	8744.4	8916.1	9049.5	9142.6	9162.7	9129.8	9038.5
70°	7649.3	7923.3	8205.5	8438.4	8658.6	8840.3	8983.7	9073.2	9100.6	9066.8	8981.0
72.5°	6868.4	7134.2	7345.2	7619.2	7932.4	8046.6	8267.6	8340.7	8408.3	8363.5	8312.4
75°	5380.5	5630.8	5849.1	5991.6	6135.0	6417.2	6470.2	6607.2	6653.8	6609.9	6666.5
77.5°	2803.1	2972.0	3045.1	2930.9	2948.3	3171.2	3045.1	3193.1	3278.0	3302.7	3338.3
80°	536.1	563.5	584.5	577.2	584.5	601.0	559.0	536.1	566.3	559.9	559.9
82.5°	158.0	155.3	155.3	163.5	162.6	166.2	166.2	159.8	164.4	164.4	165.3
85°	72.2	68.5	67.6	68.5	67.6	67.6	70.3	70.3	75.8	71.2	72.2
87.5°	9.1	8.2	9.1	9.1	7.3	7.3	8.2	9.1	9.1	8.2	8.2
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: P148949

CATALOG NUMBER: TLM-E03-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1604.8	1603.8	1603.8	1603.8	1602.9	1602.0	1601.1	1598.4	1595.6	1594.7	1590.1
5°	1622.1	1623.0	1621.2	1619.4	1619.4	1619.4	1616.6	1609.3	1603.8	1601.1	1594.7
7.5°	1658.6	1656.8	1654.1	1653.2	1651.3	1652.3	1646.8	1637.6	1627.6	1621.2	1611.2
10°	1707.1	1705.2	1703.4	1701.6	1698.8	1698.8	1692.4	1678.7	1663.2	1652.3	1634.0
12.5°	1763.7	1761.9	1760.0	1759.1	1754.5	1753.6	1744.5	1728.1	1708.0	1687.0	1660.5
15°	1815.7	1813.0	1812.1	1809.3	1806.6	1805.7	1797.5	1775.6	1750.9	1727.1	1692.4
17.5°	1848.6	1846.8	1844.1	1842.2	1841.3	1840.4	1828.5	1810.3	1791.1	1767.3	1725.3
20°	1859.6	1860.5	1858.7	1856.8	1854.1	1852.3	1841.3	1824.0	1820.3	1807.5	1764.6
22.5°	1857.8	1857.8	1856.8	1853.2	1851.4	1846.8	1831.3	1823.0	1843.1	1848.6	1793.8
25°	1850.4	1849.5	1846.8	1844.1	1838.6	1832.2	1808.4	1813.0	1869.6	1879.7	1800.2
27.5°	1842.2	1841.3	1836.7	1830.4	1822.1	1813.0	1782.9	1813.0	1894.3	1886.1	1773.7
30°	1837.7	1834.0	1827.6	1818.5	1807.5	1797.5	1764.6	1836.7	1911.6	1864.1	1700.7
32.5°	1838.6	1832.2	1823.0	1811.2	1798.4	1786.5	1763.7	1878.8	1918.0	1811.2	1597.4
35°	1860.5	1850.4	1838.6	1826.7	1813.9	1803.0	1804.8	1937.2	1917.1	1731.7	1497.9
37.5°	1940.0	1922.6	1914.4	1901.6	1883.3	1874.2	1910.7	2002.1	1904.3	1634.9	1410.2
40°	2115.3	2100.7	2088.8	2056.0	2062.3	2055.0	2089.7	2090.7	1887.9	1553.6	1337.1
42.5°	2371.1	2371.1	2345.5	2340.9	2323.6	2331.8	2347.3	2194.8	1871.5	1505.2	1265.0
45°	2672.5	2695.3	2685.2	2682.5	2696.2	2712.7	2641.4	2318.1	1872.4	1463.2	1181.0
47.5°	3030.5	3049.7	3059.7	3076.2	3093.5	3083.5	2936.4	2447.8	1888.8	1402.9	1073.2
50°	3411.4	3457.9	3472.6	3493.6	3509.1	3511.8	3215.9	2581.1	1906.2	1292.4	956.3
52.5°	3883.6	3927.4	3942.9	3957.5	3945.7	3935.6	3489.9	2739.1	1892.5	1160.9	856.7
55°	4438.9	4447.1	4444.4	4426.1	4416.0	4361.2	3743.8	2907.2	1785.6	1039.4	761.7
57.5°	5017.0	5020.7	4987.8	4923.9	4849.9	4797.8	3987.7	3046.0	1559.1	941.7	667.7
60°	5761.4	5686.5	5630.8	5533.1	5412.5	5301.1	4248.9	3123.7	1342.6	847.6	561.7
62.5°	6660.2	6510.4	6389.8	6291.2	6113.1	5916.7	4582.3	3133.7	1211.1	758.1	441.1
65°	7823.8	7665.7	7460.2	7291.3	7098.6	6833.7	5120.2	3061.6	1146.3	654.0	322.4
67.5°	8739.8	8580.0	8349.8	8160.8	7912.4	7603.6	5566.0	2935.5	1130.7	559.9	253.9
69°	8899.7	8725.2	8517.9	8281.3	8017.4	7687.7	5583.3	2789.4	1107.0	524.3	232.9
70°	8841.2	8659.5	8459.5	8208.3	7912.4	7573.5	5451.8	2626.8	1059.5	504.2	225.6
72.5°	8185.4	7908.7	7707.8	7493.1	7133.3	6789.8	4693.7	1987.5	824.8	424.7	211.0
75°	6553.3	6316.7	6090.2	5983.4	5684.7	5393.3	3523.7	1262.3	538.9	264.0	165.3
77.5°	3341.0	3298.1	3363.0	3314.5	3099.0	3099.0	2174.7	670.4	316.9	158.9	126.0
80°	600.1	625.6	613.8	639.3	594.6	660.4	764.5	450.3	224.7	121.5	103.2
82.5°	168.1	169.9	168.1	169.0	174.4	183.6	397.3	387.3	173.5	91.3	80.4
85°	78.5	79.5	81.3	81.3	88.6	90.4	266.7	277.7	101.4	50.2	53.9
87.5°	9.1	11.9	11.9	11.0	12.8	12.8	49.3	55.7	13.7	10.0	16.4
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: P148949

CATALOG NUMBER: TLM-E03-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1603.8	1603.8	1603.8	1603.8
2.5°	1586.5	1582.8	1579.2	1581.9
5°	1592.0	1586.5	1581.9	1584.7
7.5°	1606.6	1597.4	1596.5	1596.5
10°	1624.9	1612.1	1608.4	1608.4
12.5°	1644.0	1626.7	1620.3	1620.3
15°	1664.1	1639.5	1630.3	1627.6
17.5°	1687.0	1652.3	1635.8	1635.8
20°	1708.9	1654.1	1629.4	1628.5
22.5°	1712.5	1633.1	1597.4	1595.6
25°	1685.1	1583.7	1537.2	1528.0
27.5°	1620.3	1507.0	1457.7	1455.9
30°	1522.6	1406.6	1356.3	1350.8
32.5°	1426.7	1303.4	1256.8	1256.8
35°	1329.8	1209.3	1149.0	1142.6
37.5°	1240.3	1109.7	1055.8	1054.9
40°	1158.1	1023.0	970.9	962.7
42.5°	1075.9	931.6	872.2	870.4
45°	978.2	832.1	780.9	776.3
47.5°	874.1	742.6	688.7	687.8
50°	780.0	659.4	605.6	605.6
52.5°	694.1	578.2	524.3	518.8
55°	597.3	485.9	431.1	424.7
57.5°	492.3	382.7	333.4	319.7
60°	380.9	278.6	228.3	221.0
62.5°	277.7	203.7	166.2	160.7
65°	209.2	173.5	142.5	137.0
67.5°	179.9	156.2	129.7	124.2
69°	167.1	148.0	124.2	118.7
70°	161.7	142.5	119.6	115.1
72.5°	148.9	130.6	109.6	107.8
75°	136.1	118.7	98.6	95.9
77.5°	131.5	103.2	84.9	83.1
80°	134.3	84.0	69.4	67.6
82.5°	109.6	67.6	53.9	51.1
85°	68.5	45.7	28.3	28.3
87.5°	17.4	14.6	8.2	8.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)