

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: P148956

Luminaire Tested: **TLM-F03-LED-E1-RW-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P148956  
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-F03-LED-E1-RW-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7938.6 lumens  
Efficiency: N/A  
Efficacy: 101.4 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

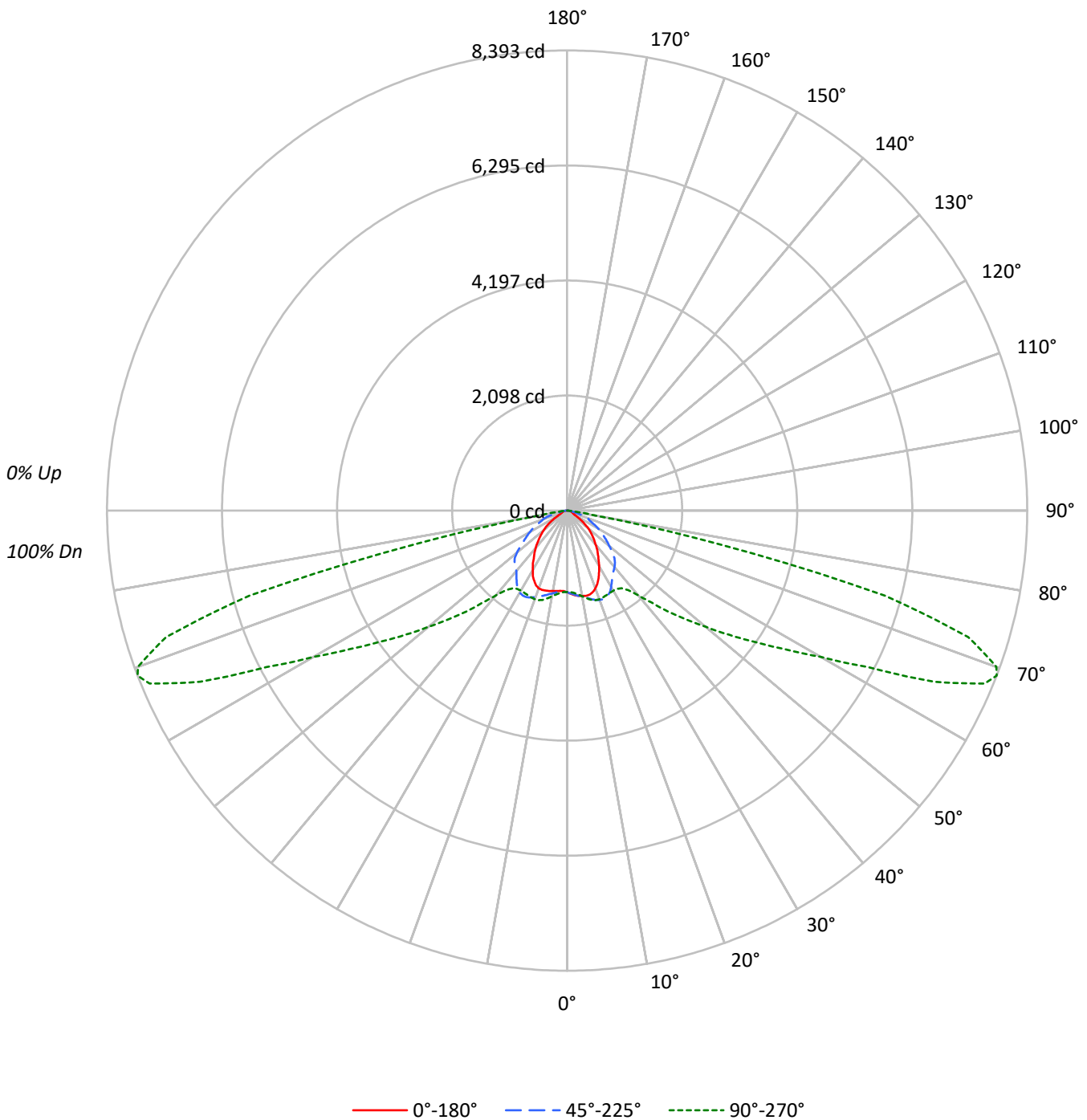
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

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

	0°	90°	180°
0°	32023	32023	32023
5°	33444	32601	31760
10°	34589	34700	32608
15°	35379	37550	33643
20°	34522	39413	34600
25°	32214	40383	33663
30°	28995	41923	31142
35°	25758	45437	27850
40°	22710	56537	25090
45°	19856	79224	21920
50°	16709	110444	18809
55°	12048	156740	14784
60°	7186	229513	8826
65°	6474	376048	6474
70°	6609	524430	6716
75°	7045	499121	7394
80°	7141	64268	7773
85°	4594	16105	6496



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	1.8
10°-20°	460.3	5.8
20°-30°	745.7	9.4
30°-40°	929.3	11.7
40°-50°	1161.3	14.6
50°-60°	1433.9	18.1
60°-70°	1781.7	22.4
70°-80°	1182.8	14.9
80°-90°	97.7	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°	1351.9	17.0
0°-40°	2281.2	28.7
0°-60°	4876.4	61.4
0°-90°	7938.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7938.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1488	1488	1488	1488	1488	
5°	1548	1538	1509	1485	1470	149
15°	1587	1669	1685	1602	1510	444
25°	1356	1727	1700	1743	1417	620
35°	980	1443	1729	1606	1060	614
45°	652	1216	2602	1357	720	503
55°	321	822	4176	964	394	286
65°	127	477	7382	606	127	128
75°	85	188	6001	245	89	89
85°	19	36	65	47	26	24
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°	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5
2.5°	1521.3	1526.4	1521.3	1521.3	1517.1	1512.9	1510.3	1504.4	1501.0	1499.3	1499.3
5°	1547.6	1546.8	1547.6	1547.6	1543.4	1538.3	1534.9	1529.8	1524.7	1523.9	1523.0
7.5°	1567.1	1566.2	1568.8	1573.9	1571.3	1567.1	1567.1	1562.0	1558.6	1558.6	1556.9
10°	1582.3	1583.2	1588.3	1595.9	1597.6	1596.7	1602.7	1601.0	1599.3	1601.0	1599.3
12.5°	1592.5	1593.3	1600.1	1614.5	1623.8	1629.8	1645.0	1645.9	1646.7	1646.7	1646.7
15°	1587.4	1587.4	1601.0	1628.1	1651.0	1668.7	1688.2	1691.6	1688.2	1690.8	1689.1
17.5°	1557.8	1559.5	1581.5	1623.0	1669.6	1708.6	1729.7	1723.8	1717.9	1717.9	1715.3
20°	1506.9	1510.3	1540.0	1598.4	1672.1	1734.0	1767.0	1747.5	1731.4	1728.9	1726.3
22.5°	1444.3	1441.7	1477.3	1551.0	1652.6	1745.0	1789.9	1766.2	1737.4	1731.4	1727.2
25°	1356.2	1357.9	1395.1	1477.3	1603.5	1727.2	1796.6	1784.8	1750.9	1743.3	1734.0
27.5°	1259.6	1263.8	1303.6	1387.5	1527.3	1683.1	1789.0	1803.4	1777.2	1768.7	1760.2
30°	1166.4	1169.0	1213.9	1303.6	1433.3	1605.2	1768.7	1823.8	1810.2	1803.4	1795.8
32.5°	1067.3	1075.8	1114.8	1216.4	1358.7	1519.7	1737.4	1844.9	1850.0	1845.8	1841.5
35°	980.1	986.8	1030.9	1137.6	1286.7	1443.4	1699.2	1867.8	1902.5	1901.7	1900.8
37.5°	901.3	903.0	949.6	1058.0	1215.6	1390.1	1659.4	1905.1	1966.9	1975.4	1985.5
40°	808.1	816.6	864.9	981.8	1145.2	1344.3	1625.5	1955.1	2056.7	2075.3	2089.7
42.5°	733.6	733.6	776.8	892.8	1062.2	1291.8	1613.7	2017.7	2163.4	2188.8	2214.3
45°	652.2	654.8	696.3	802.2	967.4	1215.6	1612.0	2087.2	2282.9	2319.3	2350.6
47.5°	575.2	576.9	620.9	723.4	869.1	1110.5	1590.8	2164.3	2408.2	2460.8	2495.5
50°	498.9	496.4	538.7	642.9	781.9	1002.1	1523.0	2264.2	2564.1	2616.6	2656.4
52.5°	404.9	411.7	457.4	556.5	696.3	909.8	1385.0	2362.5	2725.0	2784.3	2838.6
55°	321.0	320.2	371.9	461.7	604.0	822.5	1221.5	2432.0	2881.8	2950.4	3010.5
57.5°	230.4	232.9	277.0	365.9	508.2	744.6	1097.8	2420.1	3002.9	3084.2	3160.4
60°	166.9	172.0	205.0	270.2	405.7	654.8	1011.4	2282.9	3085.9	3196.9	3289.2
62.5°	140.6	144.8	173.7	209.2	313.4	560.8	927.5	2062.6	3193.5	3340.0	3473.9
65°	127.1	130.4	159.3	179.6	240.6	476.9	875.0	1906.8	3334.9	3557.7	3740.7
67.5°	114.4	119.4	144.8	160.1	204.1	426.1	859.8	1883.0	3362.0	3656.8	3916.9
69°	108.4	113.5	136.4	149.9	192.3	410.0	831.0	1797.5	3185.0	3501.8	3793.2
70°	105.0	109.3	129.6	144.0	188.9	394.7	790.3	1672.1	2997.0	3316.3	3629.7
72.5°	96.6	99.1	116.0	130.4	173.7	303.3	598.9	1207.9	2237.1	2553.1	2860.6
75°	84.7	87.2	102.5	116.9	134.7	188.1	363.4	716.6	1373.1	1585.7	1894.1
77.5°	72.8	75.4	88.1	110.1	106.7	122.8	221.9	428.6	720.0	825.9	1023.3
80°	57.6	61.0	73.7	105.9	88.9	97.4	162.6	316.8	437.9	482.0	533.7
82.5°	40.7	42.4	55.9	84.7	66.9	73.7	122.0	263.4	351.5	383.7	399.0
85°	18.6	19.5	33.0	50.0	39.8	35.6	65.2	168.6	232.9	242.3	255.8
87.5°	0.0	0.0	3.4	3.4	6.8	4.2	7.6	21.2	35.6	35.6	43.2
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°	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5
2.5°	1500.2	1499.3	1500.2	1500.2	1501.0	1497.6	1496.8	1495.9	1495.1	1495.9	1494.2
5°	1523.0	1522.2	1522.2	1523.0	1522.2	1519.7	1518.8	1518.8	1516.3	1515.4	1515.4
7.5°	1557.8	1556.1	1553.5	1555.2	1556.1	1555.2	1556.1	1553.5	1553.5	1551.0	1551.8
10°	1601.0	1599.3	1598.4	1600.1	1601.0	1600.1	1601.0	1597.6	1596.7	1595.9	1594.2
12.5°	1648.4	1645.0	1647.6	1647.6	1648.4	1651.8	1647.6	1649.3	1645.9	1645.9	1645.0
15°	1689.9	1689.1	1690.8	1690.8	1689.9	1692.5	1691.6	1692.5	1688.2	1686.5	1690.8
17.5°	1716.2	1713.6	1714.5	1713.6	1713.6	1713.6	1715.3	1715.3	1712.8	1711.9	1713.6
20°	1723.0	1718.7	1717.9	1717.0	1715.3	1715.3	1716.2	1714.5	1712.8	1711.1	1712.8
22.5°	1721.3	1716.2	1711.1	1708.6	1706.0	1702.6	1701.8	1700.1	1697.5	1697.5	1698.4
25°	1727.2	1717.9	1710.2	1705.2	1698.4	1694.2	1690.8	1686.5	1682.3	1679.8	1680.6
27.5°	1747.5	1737.4	1727.2	1717.0	1706.9	1698.4	1691.6	1684.0	1677.2	1672.1	1669.6
30°	1785.6	1772.1	1760.2	1748.4	1735.7	1723.8	1712.8	1700.9	1688.2	1680.6	1673.8
32.5°	1829.7	1820.4	1812.7	1799.2	1785.6	1771.2	1757.7	1747.5	1728.9	1714.5	1702.6
35°	1896.6	1893.2	1889.0	1878.8	1863.6	1855.9	1844.9	1828.8	1806.8	1794.1	1776.3
37.5°	1988.9	1989.8	1986.4	1982.2	1983.9	1969.5	1962.7	1961.0	1939.0	1930.5	1904.2
40°	2102.4	2115.1	2126.2	2126.2	2134.6	2135.5	2133.8	2148.2	2132.1	2135.5	2107.5
42.5°	2228.7	2259.2	2276.1	2288.8	2316.8	2329.5	2350.6	2382.0	2383.7	2399.8	2401.5
45°	2377.7	2411.6	2443.8	2476.8	2514.1	2558.2	2602.2	2634.4	2685.2	2696.2	2732.7
47.5°	2532.8	2581.9	2619.2	2661.5	2725.0	2781.8	2847.0	2913.1	2971.5	3013.0	3036.8
50°	2703.9	2753.8	2808.1	2855.5	2923.3	3002.9	3093.5	3184.2	3259.5	3333.2	3392.5
52.5°	2893.6	2948.7	2999.5	3061.3	3129.9	3224.8	3323.9	3448.4	3549.2	3650.0	3722.9
55°	3075.7	3137.6	3184.2	3262.9	3334.1	3431.5	3554.3	3701.7	3841.5	3963.5	4062.6
57.5°	3234.1	3295.1	3360.3	3428.1	3514.5	3611.9	3762.7	3930.4	4089.7	4249.8	4396.3
60°	3382.4	3464.5	3535.7	3625.5	3711.9	3824.5	4004.1	4211.7	4429.4	4628.4	4775.0
62.5°	3606.0	3711.0	3794.9	3905.9	4026.2	4159.1	4357.4	4586.1	4869.8	5126.5	5354.4
65°	3918.6	4079.5	4215.0	4351.4	4498.0	4680.9	4895.2	5185.8	5499.2	5878.7	6179.4
67.5°	4141.4	4343.0	4518.3	4689.4	4858.0	5060.4	5325.6	5666.1	6071.8	6470.8	6852.8
69°	4051.6	4265.0	4459.9	4630.1	4808.0	5010.5	5268.8	5642.4	6055.7	6494.5	6873.2
70°	3862.7	4093.1	4301.4	4464.1	4646.2	4847.0	5132.4	5489.1	5910.9	6364.9	6735.9
72.5°	3106.2	3349.3	3555.2	3735.6	3926.2	4161.7	4415.8	4758.0	5225.6	5670.3	6000.7
75°	2139.7	2366.7	2599.7	2734.4	2952.9	3120.6	3362.0	3712.7	4103.2	4430.2	4736.0
77.5°	1210.5	1332.4	1508.6	1563.7	1720.4	1832.2	1960.1	2176.1	2379.4	2569.2	2624.2
80°	550.6	514.2	532.0	504.9	534.5	515.9	494.7	506.6	504.0	542.1	506.6
82.5°	396.4	342.2	284.6	245.7	216.0	183.0	155.9	139.8	138.1	144.8	142.3
85°	253.3	231.3	181.3	145.7	111.8	86.4	72.0	65.2	65.2	69.5	68.6
87.5°	44.0	38.1	23.7	20.3	17.8	11.9	7.6	7.6	6.8	8.5	11.0
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):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5
2.5°	1494.2	1493.4	1491.7	1490.9	1490.9	1489.2	1488.3	1490.0	1490.9	1491.7	1489.2
5°	1515.4	1512.9	1512.0	1512.9	1508.6	1509.5	1508.6	1509.5	1509.5	1509.5	1507.8
7.5°	1549.3	1546.8	1548.5	1546.8	1544.2	1543.4	1543.4	1540.8	1537.4	1536.6	1537.4
10°	1595.9	1592.5	1593.3	1594.2	1591.7	1590.0	1587.4	1584.0	1584.0	1583.2	1581.5
12.5°	1645.9	1644.2	1644.2	1645.0	1644.2	1640.8	1637.4	1635.7	1634.9	1634.9	1634.9
15°	1689.1	1688.2	1689.1	1688.2	1688.2	1686.5	1684.8	1682.3	1681.4	1682.3	1683.1
17.5°	1713.6	1711.1	1713.6	1714.5	1713.6	1713.6	1713.6	1711.9	1711.1	1711.1	1711.9
20°	1715.3	1713.6	1715.3	1717.9	1717.9	1718.7	1720.4	1721.3	1720.4	1722.1	1723.0
22.5°	1698.4	1698.4	1700.9	1703.5	1707.7	1709.4	1712.8	1714.5	1716.2	1718.7	1720.4
25°	1681.4	1680.6	1683.1	1688.2	1691.6	1695.8	1700.1	1703.5	1706.9	1710.2	1713.6
27.5°	1669.6	1668.7	1670.4	1674.7	1678.9	1684.0	1690.8	1695.8	1700.1	1704.3	1706.9
30°	1670.4	1667.0	1666.2	1669.6	1673.8	1679.8	1686.5	1692.5	1698.4	1701.8	1704.3
32.5°	1695.0	1686.5	1683.1	1682.3	1684.0	1688.2	1693.3	1699.2	1703.5	1706.9	1707.7
35°	1758.5	1742.4	1739.0	1728.0	1729.7	1728.9	1728.9	1732.3	1735.7	1735.7	1729.7
37.5°	1887.3	1864.4	1848.3	1837.3	1826.3	1825.4	1823.8	1822.1	1813.6	1808.5	1807.7
40°	2088.0	2078.7	2048.2	2039.8	2021.1	2008.4	2011.8	2005.0	1984.7	1977.1	1973.7
42.5°	2381.1	2386.2	2369.3	2329.5	2313.4	2288.8	2268.5	2265.1	2246.4	2231.2	2219.3
45°	2725.0	2734.4	2721.7	2692.9	2664.1	2626.8	2602.2	2554.8	2536.1	2512.4	2496.3
47.5°	3078.3	3103.7	3083.4	3057.9	3041.8	2983.4	2932.6	2877.5	2849.6	2815.7	2800.4
50°	3429.0	3473.9	3462.0	3438.3	3420.5	3346.8	3297.7	3221.4	3205.3	3171.5	3152.8
52.5°	3779.7	3823.7	3850.0	3827.9	3815.2	3755.9	3722.1	3661.1	3615.3	3594.1	3593.3
55°	4133.7	4204.9	4246.4	4238.8	4217.6	4210.0	4176.1	4170.2	4134.6	4111.7	4081.2
57.5°	4480.2	4555.6	4627.6	4669.9	4687.7	4681.8	4697.9	4696.2	4701.3	4698.7	4648.8
60°	4920.7	5040.1	5145.1	5212.1	5275.6	5319.6	5330.6	5395.9	5377.2	5417.9	5340.0
62.5°	5542.4	5697.4	5856.7	5927.0	6004.9	6148.1	6182.0	6259.0	6270.9	6281.1	6239.6
65°	6409.0	6612.3	6852.8	6960.4	7082.4	7266.2	7382.3	7464.4	7461.9	7406.0	7352.6
67.5°	7148.5	7389.0	7610.1	7797.3	7979.5	8122.6	8244.6	8355.6	8361.5	8326.8	8235.3
69°	7212.0	7463.6	7704.2	7929.5	8109.9	8269.2	8392.8	8479.2	8497.9	8467.4	8382.7
70°	7094.3	7348.4	7610.1	7826.1	8030.3	8198.8	8331.8	8414.8	8440.3	8408.9	8329.3
72.5°	6370.0	6616.5	6812.2	7066.3	7356.9	7462.7	7667.7	7735.5	7798.2	7756.7	7709.2
75°	4990.1	5222.2	5424.7	5556.8	5689.8	5951.6	6000.7	6127.7	6170.9	6130.3	6182.8
77.5°	2599.7	2756.4	2824.2	2718.3	2734.4	2941.0	2824.2	2961.4	3040.2	3063.0	3096.1
80°	497.2	522.6	542.1	535.4	542.1	557.4	518.4	497.2	525.2	519.3	519.3
82.5°	146.5	144.0	144.0	151.6	150.8	154.2	154.2	148.2	152.5	152.5	153.3
85°	66.9	63.5	62.7	63.5	62.7	62.7	65.2	65.2	70.3	66.1	66.9
87.5°	8.5	7.6	8.5	8.5	6.8	6.8	7.6	8.5	8.5	7.6	7.6
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: P148956

CATALOG NUMBER: TLM-F03-LED-E1-RW-7050

**CANDELA DISTRIBUTION (continued):**

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5
2.5°	1488.3	1487.5	1487.5	1487.5	1486.6	1485.8	1484.9	1482.4	1479.8	1479.0	1474.8
5°	1504.4	1505.3	1503.6	1501.9	1501.9	1501.9	1499.3	1492.5	1487.5	1484.9	1479.0
7.5°	1538.3	1536.6	1534.1	1533.2	1531.5	1532.4	1527.3	1518.8	1509.5	1503.6	1494.2
10°	1583.2	1581.5	1579.8	1578.1	1575.6	1575.6	1569.6	1556.9	1542.5	1532.4	1515.4
12.5°	1635.7	1634.0	1632.3	1631.5	1627.2	1626.4	1617.9	1602.7	1584.0	1564.5	1540.0
15°	1684.0	1681.4	1680.6	1678.1	1675.5	1674.7	1667.0	1646.7	1623.8	1601.8	1569.6
17.5°	1714.5	1712.8	1710.2	1708.6	1707.7	1706.9	1695.8	1678.9	1661.1	1639.1	1600.1
20°	1724.6	1725.5	1723.8	1722.1	1719.6	1717.9	1707.7	1691.6	1688.2	1676.4	1636.6
22.5°	1723.0	1723.0	1722.1	1718.7	1717.0	1712.8	1698.4	1690.8	1709.4	1714.5	1663.7
25°	1716.2	1715.3	1712.8	1710.2	1705.2	1699.2	1677.2	1681.4	1734.0	1743.3	1669.6
27.5°	1708.6	1707.7	1703.5	1697.5	1689.9	1681.4	1653.5	1681.4	1756.8	1749.2	1645.0
30°	1704.3	1700.9	1695.0	1686.5	1676.4	1667.0	1636.6	1703.5	1772.9	1728.9	1577.3
32.5°	1705.2	1699.2	1690.8	1679.8	1667.9	1656.9	1635.7	1742.4	1778.9	1679.8	1481.5
35°	1725.5	1716.2	1705.2	1694.2	1682.3	1672.1	1673.8	1796.6	1778.0	1606.1	1389.2
37.5°	1799.2	1783.1	1775.5	1763.6	1746.7	1738.2	1772.1	1856.8	1766.2	1516.3	1307.9
40°	1961.8	1948.3	1937.3	1906.8	1912.7	1905.9	1938.1	1939.0	1750.9	1440.9	1240.1
42.5°	2199.0	2199.0	2175.3	2171.1	2155.0	2162.6	2177.0	2035.5	1735.7	1396.0	1173.2
45°	2478.5	2499.7	2490.4	2487.9	2500.6	2515.8	2449.7	2149.9	1736.5	1357.0	1095.3
47.5°	2810.6	2828.4	2837.7	2853.0	2869.0	2859.7	2723.3	2270.2	1751.8	1301.1	995.3
50°	3163.8	3207.0	3220.6	3240.1	3254.5	3257.0	2982.6	2393.8	1767.8	1198.6	886.9
52.5°	3601.8	3642.4	3656.8	3670.4	3659.4	3650.0	3236.7	2540.4	1755.1	1076.6	794.6
55°	4116.8	4124.4	4121.9	4104.9	4095.6	4044.8	3472.2	2696.2	1656.0	964.0	706.5
57.5°	4653.0	4656.4	4625.9	4566.6	4498.0	4449.7	3698.3	2825.0	1446.0	873.3	619.2
60°	5343.4	5273.9	5222.2	5131.6	5019.8	4916.4	3940.6	2897.0	1245.2	786.1	521.0
62.5°	6176.9	6038.0	5926.1	5834.7	5669.5	5487.4	4249.8	2906.3	1123.2	703.1	409.1
65°	7256.0	7109.5	6918.9	6762.2	6583.5	6337.8	4748.7	2839.4	1063.1	606.5	299.0
67.5°	8105.7	7957.4	7744.0	7568.6	7338.2	7051.9	5162.1	2722.5	1048.7	519.3	235.5
69°	8253.9	8092.1	7899.8	7680.4	7435.6	7129.8	5178.2	2587.0	1026.7	486.2	216.0
70°	8199.7	8031.1	7845.6	7612.7	7338.2	7024.0	5056.2	2436.2	982.6	467.6	209.2
72.5°	7591.5	7334.8	7148.5	6949.4	6615.7	6297.2	4353.1	1843.2	764.9	393.9	195.7
75°	6077.8	5858.4	5648.3	5549.2	5272.2	5002.0	3268.0	1170.7	499.8	244.8	153.3
77.5°	3098.6	3058.8	3118.9	3074.0	2874.1	2874.1	2016.9	621.8	293.9	147.4	116.9
80°	556.5	580.2	569.2	593.0	551.4	612.4	709.0	417.6	208.4	112.7	95.7
82.5°	155.9	157.6	155.9	156.7	161.8	170.3	368.5	359.2	160.9	84.7	74.5
85°	72.8	73.7	75.4	75.4	82.2	83.9	247.3	257.5	94.0	46.6	50.0
87.5°	8.5	11.0	11.0	10.2	11.9	11.9	45.7	51.7	12.7	9.3	15.2
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: P148956

CATALOG NUMBER: TLM-F03-LED-E1-RW-7050

**CANDELA DISTRIBUTION (continued):**

	155°	165°	175°	180°
0°	1487.5	1487.5	1487.5	1487.5
2.5°	1471.4	1468.0	1464.6	1467.1
5°	1476.5	1471.4	1467.1	1469.7
7.5°	1490.0	1481.5	1480.7	1480.7
10°	1506.9	1495.1	1491.7	1491.7
12.5°	1524.7	1508.6	1502.7	1502.7
15°	1543.4	1520.5	1512.0	1509.5
17.5°	1564.5	1532.4	1517.1	1517.1
20°	1584.9	1534.1	1511.2	1510.3
22.5°	1588.3	1514.6	1481.5	1479.8
25°	1562.9	1468.8	1425.6	1417.2
27.5°	1502.7	1397.7	1351.9	1350.2
30°	1412.1	1304.5	1257.9	1252.8
32.5°	1323.1	1208.8	1165.6	1165.6
35°	1233.3	1121.5	1065.6	1059.7
37.5°	1150.3	1029.2	979.2	978.4
40°	1074.1	948.7	900.4	892.8
42.5°	997.9	864.0	809.0	807.3
45°	907.2	771.7	724.2	720.0
47.5°	810.7	688.7	638.7	637.8
50°	723.4	611.6	561.6	561.6
52.5°	643.8	536.2	486.2	481.1
55°	554.0	450.6	399.8	393.9
57.5°	456.6	354.9	309.2	296.5
60°	353.2	258.4	211.8	205.0
62.5°	257.5	188.9	154.2	149.1
65°	194.0	160.9	132.1	127.1
67.5°	166.9	144.8	120.3	115.2
69°	155.0	137.2	115.2	110.1
70°	149.9	132.1	111.0	106.7
72.5°	138.1	121.1	101.6	100.0
75°	126.2	110.1	91.5	88.9
77.5°	122.0	95.7	78.8	77.1
80°	124.5	77.9	64.4	62.7
82.5°	101.6	62.7	50.0	47.4
85°	63.5	42.4	26.3	26.3
87.5°	16.1	13.6	7.6	7.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)