

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: P148955

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P148955  
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  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7736.7 lumens  
Efficiency: N/A  
Efficacy: 98.8 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

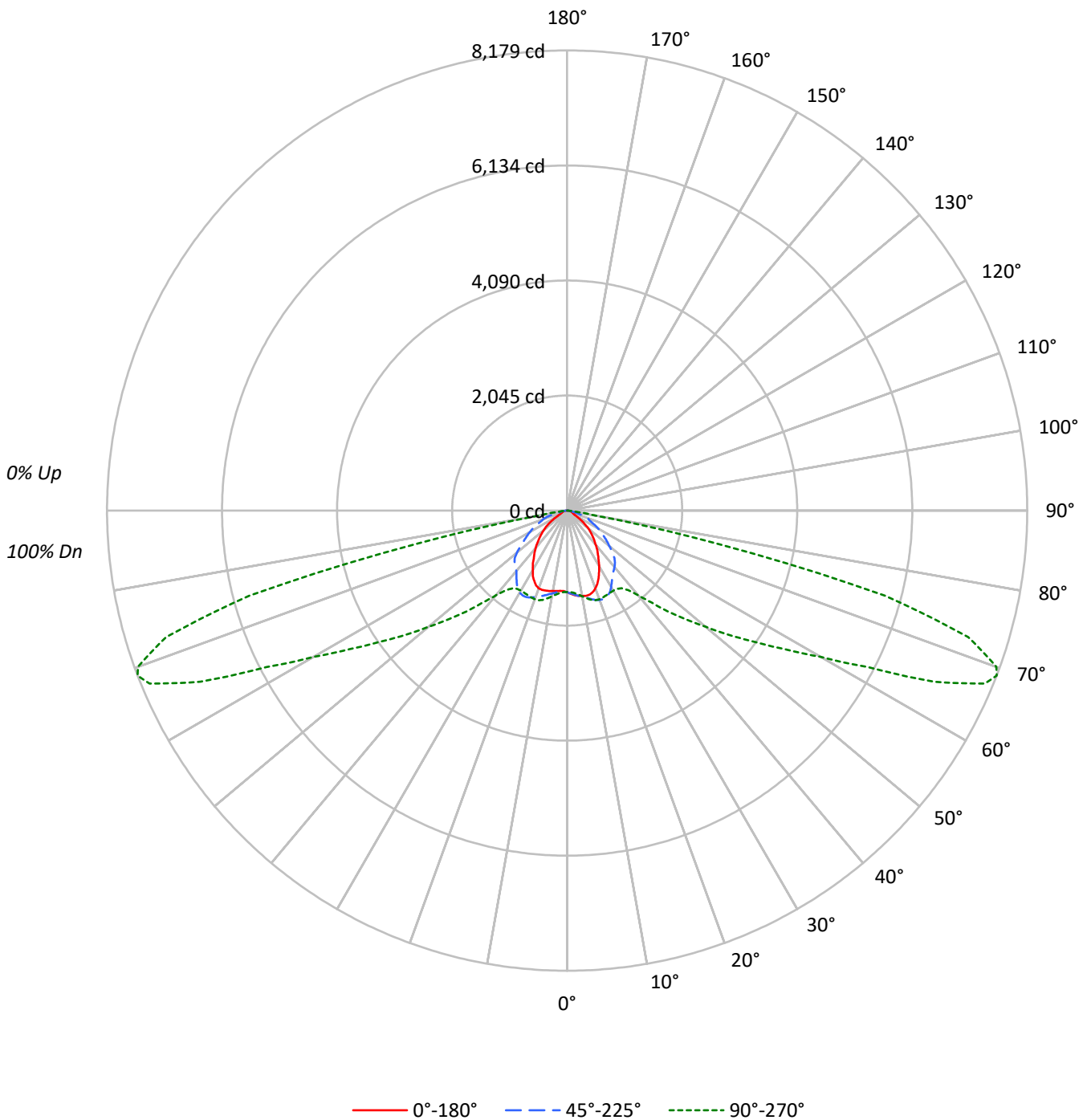
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

### 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°	31207	31207	31207
5°	32592	31773	30952
10°	33710	33817	31778
15°	34478	36596	32787
20°	33645	38410	33720
25°	31395	39355	32806
30°	28256	40857	30352
35°	25101	44280	27140
40°	22134	55098	24452
45°	19354	77208	21363
50°	16283	107635	18330
55°	11744	152750	14409
60°	7001	223674	8603
65°	6306	366477	6306
70°	6445	511092	6546
75°	6870	486420	7211
80°	6955	62632	7575
85°	4495	15709	6323



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.2	1.8
10°-20°	448.6	5.8
20°-30°	726.7	9.4
30°-40°	905.7	11.7
40°-50°	1131.7	14.6
50°-60°	1397.5	18.1
60°-70°	1736.4	22.4
70°-80°	1152.7	14.9
80°-90°	95.2	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°	1317.5	17.0
0°-40°	2223.1	28.7
0°-60°	4752.3	61.4
0°-90°	7736.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7736.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1450	1450	1450	1450	1450	
5°	1508	1499	1470	1447	1432	145
15°	1547	1626	1642	1561	1471	433
25°	1322	1683	1657	1699	1381	604
35°	955	1407	1685	1565	1033	598
45°	636	1185	2536	1322	702	490
55°	313	802	4070	939	384	279
65°	124	465	7194	591	124	125
75°	83	183	5848	239	87	86
85°	18	35	64	45	26	23
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°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1482.6	1487.6	1482.6	1482.6	1478.5	1474.4	1471.9	1466.1	1462.8	1461.2	1461.2
5°	1508.2	1507.4	1508.2	1508.2	1504.1	1499.2	1495.9	1490.9	1485.9	1485.1	1484.3
7.5°	1527.2	1526.4	1528.9	1533.8	1531.3	1527.2	1527.2	1522.3	1519.0	1519.0	1517.3
10°	1542.1	1542.9	1547.9	1555.3	1556.9	1556.1	1561.9	1560.2	1558.6	1560.2	1558.6
12.5°	1552.0	1552.8	1559.4	1573.5	1582.5	1588.3	1603.2	1604.0	1604.8	1604.8	1604.8
15°	1547.0	1547.0	1560.2	1586.7	1608.9	1626.3	1645.3	1648.6	1645.3	1647.7	1646.1
17.5°	1518.1	1519.8	1541.3	1581.7	1627.1	1665.1	1685.7	1679.9	1674.2	1674.2	1671.7
20°	1468.6	1471.9	1500.8	1557.8	1629.6	1689.8	1722.0	1703.1	1687.4	1684.9	1682.4
22.5°	1407.5	1405.0	1439.7	1511.5	1610.6	1700.6	1744.3	1721.2	1693.2	1687.4	1683.2
25°	1321.7	1323.3	1359.6	1439.7	1562.7	1683.2	1750.9	1739.4	1706.4	1698.9	1689.8
27.5°	1227.6	1231.7	1270.5	1352.2	1488.4	1640.3	1743.5	1757.5	1732.0	1723.7	1715.4
30°	1136.7	1139.2	1183.0	1270.5	1396.8	1564.4	1723.7	1777.4	1764.1	1757.5	1750.1
32.5°	1040.2	1048.4	1086.4	1185.5	1324.1	1481.0	1693.2	1798.0	1802.9	1798.8	1794.7
35°	955.1	961.7	1004.7	1108.7	1254.0	1406.7	1656.0	1820.3	1854.1	1853.3	1852.5
37.5°	878.4	880.0	925.4	1031.1	1184.6	1354.7	1617.2	1856.6	1916.9	1925.1	1935.0
40°	787.6	795.8	842.9	956.8	1116.1	1310.1	1584.2	1905.3	2004.4	2022.5	2036.6
42.5°	714.9	714.9	757.0	870.1	1035.2	1258.9	1572.6	1966.4	2108.4	2133.2	2157.9
45°	635.7	638.1	678.6	781.8	942.7	1184.6	1571.0	2034.1	2224.8	2260.3	2290.8
47.5°	560.5	562.2	605.1	705.0	847.0	1082.3	1550.3	2109.2	2347.0	2398.1	2432.0
50°	486.2	483.8	525.0	626.6	762.0	976.6	1484.3	2206.6	2498.9	2550.0	2588.8
52.5°	394.6	401.2	445.8	542.4	678.6	886.6	1349.7	2302.4	2655.7	2713.5	2766.3
55°	312.9	312.0	362.4	449.9	588.6	801.6	1190.4	2370.1	2808.4	2875.3	2933.9
57.5°	224.5	227.0	269.9	356.6	495.3	725.6	1069.9	2358.5	2926.5	3005.7	3080.0
60°	162.6	167.6	199.8	263.3	395.4	638.1	985.7	2224.8	3007.4	3115.5	3205.5
62.5°	137.0	141.2	169.2	203.9	305.4	546.5	903.9	2010.2	3112.2	3255.0	3385.5
65°	123.8	127.1	155.2	175.0	234.4	464.8	852.8	1858.3	3250.1	3467.2	3645.5
67.5°	111.4	116.4	141.2	156.0	199.0	415.2	837.9	1835.1	3276.5	3563.8	3817.2
69°	105.7	110.6	132.9	146.1	187.4	399.6	809.8	1751.8	3104.0	3412.7	3696.7
70°	102.4	106.5	126.3	140.3	184.1	384.7	770.2	1629.6	2920.7	3231.9	3537.4
72.5°	94.1	96.6	113.1	127.1	169.2	295.5	583.6	1177.2	2180.2	2488.1	2787.8
75°	82.6	85.0	99.9	113.9	131.3	183.3	354.2	698.4	1338.2	1545.4	1845.9
77.5°	71.0	73.5	85.9	107.3	104.0	119.7	216.3	417.7	701.7	804.9	997.2
80°	56.1	59.4	71.8	103.2	86.7	94.9	158.5	308.7	426.8	469.7	520.1
82.5°	39.6	41.3	54.5	82.6	65.2	71.8	118.9	256.7	342.6	374.0	388.8
85°	18.2	19.0	32.2	48.7	38.8	34.7	63.6	164.3	227.0	236.1	249.3
87.5°	0.0	0.0	3.3	3.3	6.6	4.1	7.4	20.6	34.7	34.7	42.1
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°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1462.0	1461.2	1462.0	1462.0	1462.8	1459.5	1458.7	1457.9	1457.1	1457.9	1456.2
5°	1484.3	1483.5	1483.5	1484.3	1483.5	1481.0	1480.2	1480.2	1477.7	1476.9	1476.9
7.5°	1518.1	1516.5	1514.0	1515.7	1516.5	1515.7	1516.5	1514.0	1514.0	1511.5	1512.4
10°	1560.2	1558.6	1557.8	1559.4	1560.2	1559.4	1560.2	1556.9	1556.1	1555.3	1553.6
12.5°	1606.5	1603.2	1605.6	1605.6	1606.5	1609.8	1605.6	1607.3	1604.0	1604.0	1603.2
15°	1646.9	1646.1	1647.7	1647.7	1646.9	1649.4	1648.6	1649.4	1645.3	1643.6	1647.7
17.5°	1672.5	1670.0	1670.9	1670.0	1670.0	1670.0	1671.7	1671.7	1669.2	1668.4	1670.0
20°	1679.1	1675.0	1674.2	1673.3	1671.7	1671.7	1672.5	1670.9	1669.2	1667.6	1669.2
22.5°	1677.5	1672.5	1667.6	1665.1	1662.6	1659.3	1658.5	1656.8	1654.4	1654.4	1655.2
25°	1683.2	1674.2	1666.7	1661.8	1655.2	1651.0	1647.7	1643.6	1639.5	1637.0	1637.8
27.5°	1703.1	1693.2	1683.2	1673.3	1663.4	1655.2	1648.6	1641.1	1634.5	1629.6	1627.1
30°	1740.2	1727.0	1715.4	1703.9	1691.5	1679.9	1669.2	1657.7	1645.3	1637.8	1631.2
32.5°	1783.1	1774.1	1766.6	1753.4	1740.2	1726.2	1713.0	1703.1	1684.9	1670.9	1659.3
35°	1848.4	1845.0	1840.9	1831.0	1816.2	1808.7	1798.0	1782.3	1760.8	1748.5	1731.1
37.5°	1938.3	1939.2	1935.9	1931.7	1933.4	1919.3	1912.7	1911.1	1889.6	1881.4	1855.8
40°	2049.0	2061.3	2072.1	2072.1	2080.3	2081.1	2079.5	2093.5	2077.8	2081.1	2053.9
42.5°	2172.0	2201.7	2218.2	2230.6	2257.8	2270.2	2290.8	2321.4	2323.0	2338.7	2340.4
45°	2317.2	2350.3	2381.6	2413.8	2450.2	2493.1	2536.0	2567.4	2616.9	2627.6	2663.1
47.5°	2468.3	2516.2	2552.5	2593.8	2655.7	2711.0	2774.6	2839.0	2895.9	2936.4	2959.5
50°	2635.1	2683.8	2736.6	2782.8	2848.9	2926.5	3014.8	3103.1	3176.6	3248.4	3306.2
52.5°	2820.0	2873.7	2923.2	2983.4	3050.3	3142.8	3239.4	3360.7	3458.9	3557.2	3628.2
55°	2997.5	3057.7	3103.1	3179.9	3249.3	3344.2	3463.9	3607.5	3743.8	3862.6	3959.2
57.5°	3151.9	3211.3	3274.9	3340.9	3425.1	3520.0	3667.0	3830.4	3985.6	4141.7	4284.5
60°	3296.3	3376.4	3445.7	3533.2	3617.5	3727.2	3902.3	4104.5	4316.7	4510.7	4653.5
62.5°	3514.3	3616.6	3698.4	3806.5	3923.7	4053.3	4246.5	4469.4	4745.9	4996.1	5218.1
65°	3818.9	3975.7	4107.8	4240.7	4383.5	4561.9	4770.7	5053.9	5359.3	5729.1	6022.2
67.5°	4036.0	4232.5	4403.3	4570.1	4734.4	4931.7	5190.1	5521.9	5917.4	6306.2	6678.5
69°	3948.5	4156.5	4346.4	4512.3	4685.7	4883.0	5134.8	5498.8	5901.7	6329.3	6698.3
70°	3764.4	3988.9	4192.0	4350.5	4528.0	4723.7	5001.9	5349.4	5760.5	6203.0	6564.6
72.5°	3027.2	3264.1	3464.7	3640.6	3826.3	4055.8	4303.5	4637.0	5092.7	5526.1	5848.0
75°	2085.3	2306.5	2533.5	2664.8	2877.8	3041.2	3276.5	3618.3	3998.8	4317.5	4615.5
77.5°	1179.7	1298.6	1470.3	1523.9	1676.6	1785.6	1910.3	2120.8	2318.9	2503.8	2557.5
80°	536.6	501.1	518.4	492.0	520.9	502.7	482.1	493.7	491.2	528.3	493.7
82.5°	386.3	333.5	277.4	239.4	210.5	178.3	151.9	136.2	134.6	141.2	138.7
85°	246.8	225.4	176.7	142.0	109.0	84.2	70.2	63.6	63.6	67.7	66.9
87.5°	42.9	37.1	23.1	19.8	17.3	11.6	7.4	7.4	6.6	8.3	10.7
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):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1456.2	1455.4	1453.7	1452.9	1452.9	1451.3	1450.4	1452.1	1452.9	1453.7	1451.3
5°	1476.9	1474.4	1473.6	1474.4	1470.3	1471.1	1470.3	1471.1	1471.1	1471.1	1469.4
7.5°	1509.9	1507.4	1509.1	1507.4	1504.9	1504.1	1504.1	1501.6	1498.3	1497.5	1498.3
10°	1555.3	1552.0	1552.8	1553.6	1551.2	1549.5	1547.0	1543.7	1543.7	1542.9	1541.3
12.5°	1604.0	1602.3	1602.3	1603.2	1602.3	1599.0	1595.7	1594.1	1593.3	1593.3	1593.3
15°	1646.1	1645.3	1646.1	1645.3	1645.3	1643.6	1642.0	1639.5	1638.7	1639.5	1640.3
17.5°	1670.0	1667.6	1670.0	1670.9	1670.0	1670.0	1670.0	1668.4	1667.6	1667.6	1668.4
20°	1671.7	1670.0	1671.7	1674.2	1674.2	1675.0	1676.6	1677.5	1676.6	1678.3	1679.1
22.5°	1655.2	1655.2	1657.7	1660.1	1664.3	1665.9	1669.2	1670.9	1672.5	1675.0	1676.6
25°	1638.7	1637.8	1640.3	1645.3	1648.6	1652.7	1656.8	1660.1	1663.4	1666.7	1670.0
27.5°	1627.1	1626.3	1627.9	1632.1	1636.2	1641.1	1647.7	1652.7	1656.8	1661.0	1663.4
30°	1627.9	1624.6	1623.8	1627.1	1631.2	1637.0	1643.6	1649.4	1655.2	1658.5	1661.0
32.5°	1651.9	1643.6	1640.3	1639.5	1641.1	1645.3	1650.2	1656.0	1660.1	1663.4	1664.3
35°	1713.8	1698.1	1694.8	1684.1	1685.7	1684.9	1684.9	1688.2	1691.5	1691.5	1685.7
37.5°	1839.3	1817.0	1801.3	1790.6	1779.8	1779.0	1777.4	1775.7	1767.4	1762.5	1761.7
40°	2034.9	2025.8	1996.1	1987.9	1969.7	1957.3	1960.6	1954.0	1934.2	1926.8	1923.5
42.5°	2320.6	2325.5	2309.0	2270.2	2254.5	2230.6	2210.8	2207.5	2189.3	2174.4	2162.9
45°	2655.7	2664.8	2652.4	2624.3	2596.3	2560.0	2536.0	2489.8	2471.6	2448.5	2432.8
47.5°	3000.0	3024.7	3004.9	2980.1	2964.5	2907.5	2858.0	2804.3	2777.1	2744.0	2729.2
50°	3341.7	3385.5	3373.9	3350.8	3333.5	3261.6	3213.8	3139.5	3123.8	3090.8	3072.6
52.5°	3683.5	3726.4	3752.0	3730.5	3718.2	3660.4	3627.4	3567.9	3523.3	3502.7	3501.9
55°	4028.6	4097.9	4138.4	4130.9	4110.3	4102.9	4069.8	4064.1	4029.4	4007.1	3977.4
57.5°	4366.2	4439.7	4509.8	4551.1	4568.5	4562.7	4578.4	4576.7	4581.7	4579.2	4530.5
60°	4795.5	4911.9	5014.2	5079.5	5141.4	5184.3	5195.0	5258.6	5240.4	5280.1	5204.1
62.5°	5401.4	5552.5	5707.7	5776.2	5852.1	5991.7	6024.7	6099.8	6111.4	6121.3	6080.8
65°	6245.9	6444.0	6678.5	6783.3	6902.2	7081.4	7194.4	7274.5	7272.0	7217.6	7165.6
67.5°	6966.6	7201.1	7416.5	7599.0	7776.4	7916.0	8034.8	8143.0	8148.8	8114.9	8025.8
69°	7028.5	7273.7	7508.1	7727.7	7903.6	8058.8	8179.3	8263.5	8281.7	8251.9	8169.4
70°	6913.8	7161.4	7416.5	7627.0	7826.0	7990.3	8119.9	8200.8	8225.5	8195.0	8117.4
72.5°	6207.9	6448.2	6638.9	6886.5	7169.7	7272.9	7472.7	7538.7	7599.8	7559.3	7513.1
75°	4863.2	5089.4	5286.7	5415.4	5545.1	5800.1	5848.0	5971.8	6013.9	5974.3	6025.5
77.5°	2533.5	2686.3	2752.3	2649.1	2664.8	2866.2	2752.3	2886.0	2962.8	2985.1	3017.3
80°	484.6	509.3	528.3	521.7	528.3	543.2	505.2	484.6	511.8	506.0	506.0
82.5°	142.8	140.3	140.3	147.8	146.9	150.2	150.2	144.5	148.6	148.6	149.4
85°	65.2	61.9	61.1	61.9	61.1	61.1	63.6	63.6	68.5	64.4	65.2
87.5°	8.3	7.4	8.3	8.3	6.6	6.6	7.4	8.3	8.3	7.4	7.4
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: P148955

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

**CANDELA DISTRIBUTION (continued):**

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1450.4	1449.6	1449.6	1449.6	1448.8	1448.0	1447.1	1444.7	1442.2	1441.4	1437.2
5°	1466.1	1467.0	1465.3	1463.7	1463.7	1463.7	1461.2	1454.6	1449.6	1447.1	1441.4
7.5°	1499.2	1497.5	1495.0	1494.2	1492.5	1493.4	1488.4	1480.2	1471.1	1465.3	1456.2
10°	1542.9	1541.3	1539.6	1538.0	1535.5	1535.5	1529.7	1517.3	1503.3	1493.4	1476.9
12.5°	1594.1	1592.4	1590.8	1590.0	1585.8	1585.0	1576.8	1561.9	1543.7	1524.7	1500.8
15°	1641.1	1638.7	1637.8	1635.4	1632.9	1632.1	1624.6	1604.8	1582.5	1561.1	1529.7
17.5°	1670.9	1669.2	1666.7	1665.1	1664.3	1663.4	1652.7	1636.2	1618.9	1597.4	1559.4
20°	1680.8	1681.6	1679.9	1678.3	1675.8	1674.2	1664.3	1648.6	1645.3	1633.7	1594.9
22.5°	1679.1	1679.1	1678.3	1675.0	1673.3	1669.2	1655.2	1647.7	1665.9	1670.9	1621.3
25°	1672.5	1671.7	1669.2	1666.7	1661.8	1656.0	1634.5	1638.7	1689.8	1698.9	1627.1
27.5°	1665.1	1664.3	1660.1	1654.4	1646.9	1638.7	1611.4	1638.7	1712.1	1704.7	1603.2
30°	1661.0	1657.7	1651.9	1643.6	1633.7	1624.6	1594.9	1660.1	1727.8	1684.9	1537.1
32.5°	1661.8	1656.0	1647.7	1637.0	1625.5	1614.7	1594.1	1698.1	1733.6	1637.0	1443.8
35°	1681.6	1672.5	1661.8	1651.0	1639.5	1629.6	1631.2	1750.9	1732.8	1565.2	1353.9
37.5°	1753.4	1737.7	1730.3	1718.7	1702.2	1694.0	1727.0	1809.6	1721.2	1477.7	1274.6
40°	1911.9	1898.7	1888.0	1858.3	1864.0	1857.4	1888.8	1889.6	1706.4	1404.2	1208.6
42.5°	2143.1	2143.1	2119.9	2115.8	2100.1	2107.6	2121.6	1983.7	1691.5	1360.5	1143.4
45°	2415.5	2436.1	2427.0	2424.6	2436.9	2451.8	2387.4	2095.2	1692.3	1322.5	1067.4
47.5°	2739.1	2756.4	2765.5	2780.4	2796.1	2787.0	2654.1	2212.4	1707.2	1268.0	970.0
50°	3083.3	3125.4	3138.6	3157.6	3171.7	3174.1	2906.7	2332.9	1722.9	1168.1	864.3
52.5°	3510.1	3549.8	3563.8	3577.0	3566.3	3557.2	3154.3	2475.7	1710.5	1049.2	774.3
55°	4012.1	4019.5	4017.0	4000.5	3991.4	3941.9	3383.8	2627.6	1613.9	939.4	688.5
57.5°	4534.6	4537.9	4508.2	4450.4	4383.5	4336.5	3604.2	2753.1	1409.2	851.1	603.5
60°	5207.4	5139.7	5089.4	5001.0	4892.1	4791.3	3840.3	2823.3	1213.5	766.1	507.7
62.5°	6019.7	5884.3	5775.4	5686.2	5525.2	5347.8	4141.7	2832.4	1094.6	685.2	398.7
65°	7071.4	6928.6	6742.9	6590.2	6416.0	6176.6	4627.9	2767.2	1036.0	591.1	291.4
67.5°	7899.4	7755.0	7546.9	7376.1	7151.5	6872.5	5030.7	2653.2	1022.0	506.0	229.5
69°	8043.9	7886.2	7698.8	7485.0	7246.5	6948.4	5046.4	2521.2	1000.5	473.9	210.5
70°	7991.1	7826.8	7646.0	7419.0	7151.5	6845.3	4927.6	2374.2	957.6	455.7	203.9
72.5°	7398.4	7148.2	6966.6	6772.6	6447.3	6137.0	4242.4	1796.3	745.4	383.9	190.7
75°	5923.1	5709.3	5504.6	5408.0	5138.1	4874.7	3184.9	1140.9	487.1	238.6	149.4
77.5°	3019.8	2981.0	3039.6	2995.8	2801.0	2801.0	1965.6	605.9	286.5	143.6	113.9
80°	542.4	565.5	554.8	577.9	537.4	596.9	691.0	407.0	203.1	109.8	93.3
82.5°	151.9	153.5	151.9	152.7	157.7	165.9	359.1	350.0	156.8	82.6	72.6
85°	71.0	71.8	73.5	73.5	80.1	81.7	241.1	251.0	91.6	45.4	48.7
87.5°	8.3	10.7	10.7	9.9	11.6	11.6	44.6	50.4	12.4	9.1	14.9
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: P148955

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

**CANDELA DISTRIBUTION (continued):**

	155°	165°	175°	180°
0°	1449.6	1449.6	1449.6	1449.6
2.5°	1433.9	1430.6	1427.3	1429.8
5°	1438.9	1433.9	1429.8	1432.3
7.5°	1452.1	1443.8	1443.0	1443.0
10°	1468.6	1457.1	1453.7	1453.7
12.5°	1485.9	1470.3	1464.5	1464.5
15°	1504.1	1481.8	1473.6	1471.1
17.5°	1524.7	1493.4	1478.5	1478.5
20°	1544.6	1495.0	1472.7	1471.9
22.5°	1547.9	1476.0	1443.8	1442.2
25°	1523.1	1431.5	1389.4	1381.1
27.5°	1464.5	1362.1	1317.5	1315.9
30°	1376.2	1271.3	1225.9	1221.0
32.5°	1289.5	1178.0	1135.9	1135.9
35°	1202.0	1093.0	1038.5	1032.7
37.5°	1121.1	1003.0	954.3	953.5
40°	1046.8	924.6	877.5	870.1
42.5°	972.5	842.0	788.4	786.7
45°	884.1	752.1	705.8	701.7
47.5°	790.0	671.2	622.4	621.6
50°	705.0	596.0	547.3	547.3
52.5°	627.4	522.6	473.9	468.9
55°	539.9	439.2	389.6	383.9
57.5°	445.0	345.9	301.3	288.9
60°	344.2	251.8	206.4	199.8
62.5°	251.0	184.1	150.2	145.3
65°	189.0	156.8	128.8	123.8
67.5°	162.6	141.2	117.2	112.3
69°	151.1	133.7	112.3	107.3
70°	146.1	128.8	108.1	104.0
72.5°	134.6	118.1	99.1	97.4
75°	123.0	107.3	89.2	86.7
77.5°	118.9	93.3	76.8	75.1
80°	121.4	75.9	62.7	61.1
82.5°	99.1	61.1	48.7	46.2
85°	61.9	41.3	25.6	25.6
87.5°	15.7	13.2	7.4	7.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)