

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: P151241

Luminaire Tested: **TLM-E04-LED-E1-SL3-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P151241  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TLM-E04-LED-E1-SL3-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (84) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

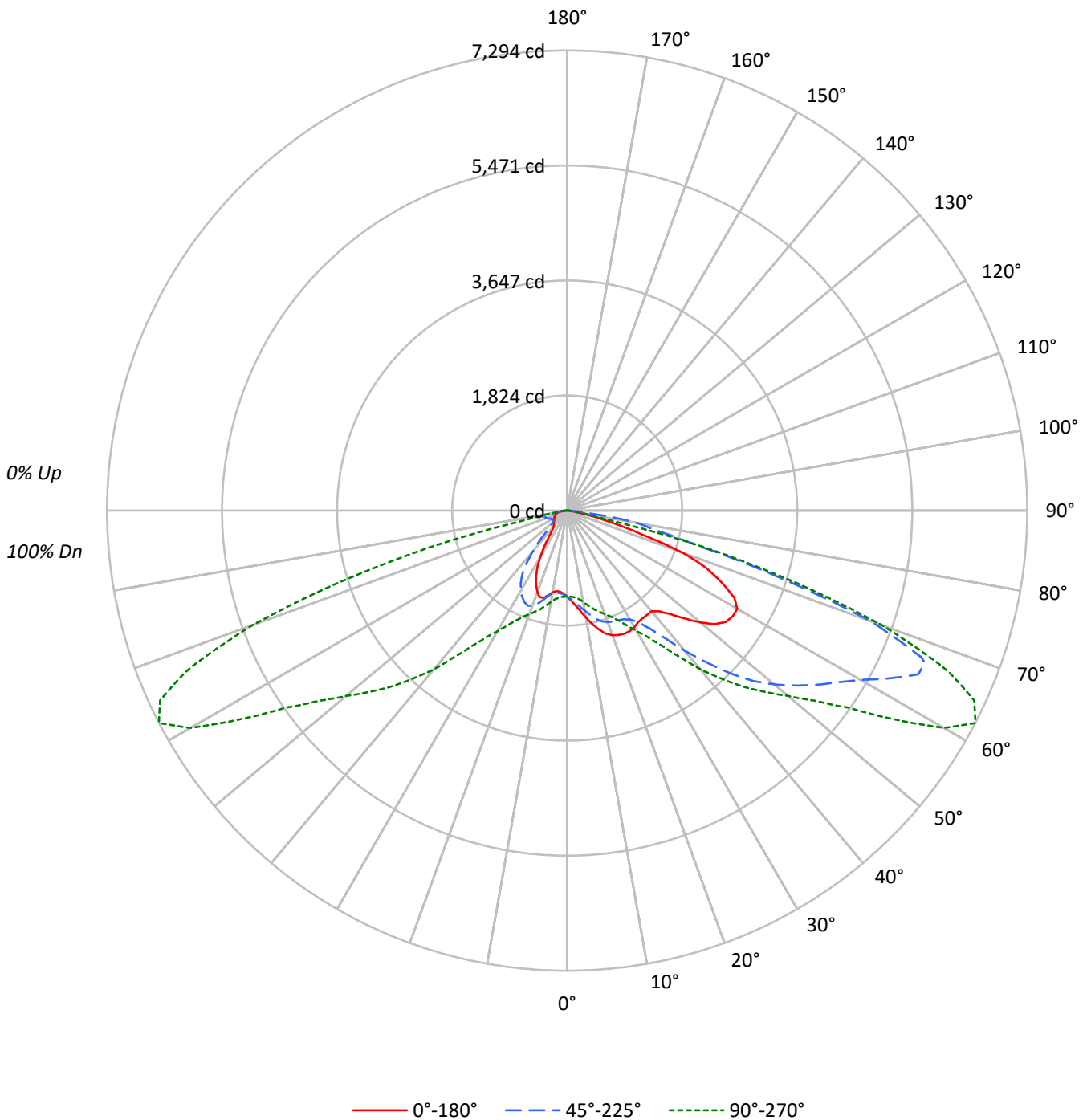
Lumens per Lamp: N/A  
Luminaire Lumens: 12461.7 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 3.92 / 2.51  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 97.2  
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-E04-LED-E1-SL3-7050

### 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	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77					77			
2	93	82	74	66	90	80	72	65	77	70	64	73	67	62	70	65	61	58					58			
3	82	69	59	50	79	67	58	50	64	56	49	61	54	48	58	52	47	44					44			
4	73	59	48	39	71	57	47	39	54	46	38	52	44	38	49	43	37	35					35			
5	66	51	40	32	64	49	39	31	47	38	31	45	37	31	43	36	30	28					28			
6	60	44	34	26	58	43	33	26	41	32	26	39	31	25	38	31	25	23					23			
7	55	39	29	22	53	38	29	22	37	28	22	35	27	21	34	27	21	19					19			
8	51	35	25	19	49	35	25	19	33	25	18	32	24	18	30	23	18	16					16			
9	47	32	23	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14					14			
10	44	29	20	14	43	29	20	14	28	20	14	27	19	14	26	19	14	12					12			

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

	0°	90°	180°
0°	21870	21870	21870
5°	24292	22284	20828
10°	28077	23925	21472
15°	32471	26828	23824
20°	35928	29869	23578
25°	38124	34051	20664
30°	39567	40888	15761
35°	40892	51224	9606
40°	43670	68805	7000
45°	52749	89679	6746
50°	68902	114211	6806
55°	86067	152632	7050
60°	100008	221293	7519
65°	102874	270708	8375
70°	91578	249156	9254
75°	43991	140805	10788
80°	15191	19493	11010
85°	6802	12111	11097



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.5	1.1
10°-20°	464.7	3.7
20°-30°	820.6	6.6
30°-40°	1177.9	9.5
40°-50°	1788.9	14.4
50°-60°	2633.9	21.1
60°-70°	3500.3	28.1
70°-80°	1712.4	13.7
80°-90°	227.4	1.8
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°	1420.9	11.4
0°-40°	2598.7	20.9
0°-60°	7021.5	56.3
0°-90°	12461.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12461.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1361	1361	1361	1361	1361	
5°	1506	1464	1382	1313	1292	150
15°	1952	1777	1613	1461	1432	555
25°	2151	1917	1921	1602	1166	990
35°	2085	2278	2612	1235	490	1314
45°	2322	3641	3947	445	297	1834
55°	3073	4816	5449	270	252	2712
65°	2706	6142	7121	301	220	2628
75°	709	2112	2268	349	174	883
85°	37	116	66	84	60	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1425.6	1427.0	1424.2	1422.9	1414.7	1406.4	1401.0	1394.1	1394.1	1394.1	1391.4
5°	1506.3	1500.9	1505.0	1495.4	1479.0	1463.9	1448.9	1436.5	1433.8	1433.8	1428.3
7.5°	1603.5	1596.6	1593.9	1580.2	1555.6	1533.7	1503.6	1491.3	1484.4	1481.7	1479.0
10°	1721.1	1721.1	1703.3	1680.1	1647.2	1608.9	1576.1	1554.2	1552.8	1552.8	1540.5
12.5°	1841.5	1844.3	1821.0	1797.7	1744.4	1693.8	1655.5	1630.8	1629.5	1624.0	1617.1
15°	1952.3	1945.5	1930.4	1896.2	1837.4	1777.2	1729.3	1704.7	1699.2	1693.8	1689.7
17.5°	2044.0	2037.2	2018.0	1974.2	1912.7	1841.5	1782.7	1756.7	1754.0	1751.2	1745.7
20°	2101.5	2096.0	2068.6	2018.0	1953.7	1881.2	1818.3	1800.5	1795.0	1795.0	1792.3
22.5°	2134.3	2126.1	2086.4	2019.4	1956.4	1903.1	1851.1	1840.1	1836.0	1837.4	1837.4
25°	2150.7	2143.9	2087.8	1992.0	1931.8	1916.8	1894.9	1888.0	1889.4	1890.8	1893.5
27.5°	2153.5	2143.9	2078.2	1956.4	1900.3	1942.8	1957.8	1968.8	1968.8	1974.2	1983.8
30°	2132.9	2122.0	2059.1	1929.1	1886.7	1994.7	2054.9	2083.7	2094.6	2091.9	2113.8
32.5°	2097.4	2090.5	2039.9	1929.1	1925.0	2097.4	2204.1	2245.1	2250.6	2253.3	2278.0
35°	2085.0	2083.7	2061.8	1994.7	2044.0	2278.0	2440.8	2472.2	2479.1	2479.1	2496.9
37.5°	2082.3	2089.2	2113.8	2117.9	2253.3	2546.1	2759.5	2807.4	2807.4	2821.1	2821.1
40°	2082.3	2097.4	2190.4	2301.2	2509.2	2895.0	3190.5	3245.2	3245.2	3260.3	3252.1
42.5°	2163.0	2184.9	2338.2	2548.8	2832.1	3254.8	3594.1	3655.7	3659.8	3655.7	3668.0
45°	2321.7	2340.9	2527.0	2829.3	3164.5	3640.6	3979.9	4053.8	4038.8	4048.3	4052.4
47.5°	2532.4	2562.5	2774.6	3135.8	3488.8	3997.7	4412.3	4479.3	4473.8	4477.9	4460.1
50°	2756.8	2788.3	3025.0	3439.5	3811.6	4285.0	4759.8	4859.6	4850.1	4856.9	4866.5
52.5°	2955.2	2974.3	3202.8	3668.0	4056.5	4553.2	5026.5	5151.0	5172.9	5175.7	5182.5
55°	3072.8	3096.1	3305.4	3781.5	4234.4	4815.9	5331.6	5520.4	5562.9	5573.8	5603.9
57.5°	3113.9	3138.5	3328.7	3798.0	4331.5	5062.1	5757.1	6089.6	6125.2	6184.0	6279.8
60°	3112.5	3138.5	3304.1	3761.0	4430.0	5367.2	6419.3	6976.1	7156.7	7216.9	7353.8
62.5°	2985.3	3015.4	3183.7	3648.8	4555.9	5757.1	7404.4	8260.8	8493.4	8602.9	8750.6
65°	2706.2	2728.1	2885.4	3364.3	4520.3	6141.6	8228.0	9296.5	9508.6	9668.6	9932.7
67°	2458.5	2472.2	2595.4	3027.7	4172.8	6155.3	8487.9	9553.7	9738.4	9908.1	10180.3
67.5°	2395.6	2424.3	2520.1	2925.1	4042.9	6077.3	8470.2	9514.0	9702.9	9879.3	10166.7
70°	1949.6	1990.6	2038.5	2310.8	3178.2	5112.7	7842.2	8827.2	8992.8	9157.0	9557.8
72.5°	1202.6	1276.5	1286.1	1458.4	2068.6	3533.9	6345.4	7444.1	7568.6	7686.2	8096.7
75°	708.7	719.6	753.8	893.4	1213.5	2112.4	4257.7	5530.0	5644.9	5702.4	6023.9
77.5°	395.4	406.3	435.1	555.5	933.1	1422.9	2479.1	3249.3	3319.1	3391.6	3339.6
80°	164.2	179.2	192.9	224.4	436.4	1123.2	1704.7	2065.9	2111.0	2153.5	2206.8
82.5°	79.4	84.8	104.0	119.0	158.7	461.1	1336.7	1790.9	1844.3	1905.8	2030.3
85°	36.9	41.0	57.5	68.4	76.6	116.3	447.4	871.5	945.4	959.1	983.7
87.5°	2.7	2.7	6.8	9.6	13.7	15.0	46.5	65.7	73.9	67.0	84.8
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1390.0	1388.7	1385.9	1385.9	1384.6	1384.6	1384.6	1381.8	1381.8	1381.8	1380.5
5°	1427.0	1425.6	1421.5	1421.5	1418.8	1418.8	1414.7	1413.3	1410.6	1410.6	1409.2
7.5°	1474.9	1473.5	1468.0	1468.0	1463.9	1462.5	1459.8	1455.7	1455.7	1453.0	1450.2
10°	1540.5	1536.4	1535.1	1528.2	1529.6	1526.8	1524.1	1520.0	1517.3	1514.5	1511.8
12.5°	1614.4	1614.4	1607.6	1603.5	1606.2	1603.5	1598.0	1596.6	1592.5	1592.5	1588.4
15°	1684.2	1684.2	1681.4	1676.0	1677.3	1673.2	1671.9	1669.1	1663.7	1665.0	1663.7
17.5°	1744.4	1744.4	1740.3	1737.5	1737.5	1733.4	1734.8	1732.1	1729.3	1728.0	1723.9
20°	1792.3	1792.3	1789.5	1786.8	1788.2	1788.2	1784.1	1784.1	1784.1	1781.3	1781.3
22.5°	1838.8	1840.1	1840.1	1840.1	1841.5	1842.9	1841.5	1844.3	1842.9	1845.6	1845.6
25°	1900.3	1904.5	1907.2	1907.2	1914.0	1915.4	1916.8	1920.9	1920.9	1925.0	1926.3
27.5°	1992.0	1994.7	2005.7	2008.4	2009.8	2020.7	2022.1	2027.6	2033.1	2034.4	2035.8
30°	2117.9	2124.7	2132.9	2138.4	2138.4	2152.1	2157.6	2154.8	2169.9	2174.0	2179.4
32.5°	2286.2	2291.6	2299.8	2305.3	2310.8	2317.6	2319.0	2325.8	2338.2	2349.1	2342.3
35°	2498.2	2511.9	2498.2	2513.3	2517.4	2527.0	2524.2	2532.4	2537.9	2542.0	2540.6
37.5°	2806.1	2799.2	2796.5	2791.0	2781.4	2814.3	2797.8	2796.5	2788.3	2811.5	2796.5
40°	3211.0	3215.1	3219.2	3197.3	3185.0	3185.0	3180.9	3165.9	3159.0	3179.6	3176.8
42.5°	3633.8	3637.9	3618.7	3605.1	3573.6	3569.5	3550.3	3546.2	3539.4	3550.3	3539.4
45°	4018.2	4021.0	3978.6	3985.4	3960.8	3964.9	3934.8	3947.1	3930.7	3941.6	3962.1
47.5°	4447.8	4453.3	4416.4	4431.4	4406.8	4391.7	4390.4	4398.6	4380.8	4391.7	4397.2
50°	4837.7	4830.9	4811.8	4815.9	4804.9	4807.6	4791.2	4806.3	4785.8	4807.6	4804.9
52.5°	5183.9	5175.7	5171.6	5185.3	5175.7	5175.7	5166.1	5172.9	5175.7	5208.5	5215.4
55°	5603.9	5610.7	5617.6	5642.2	5653.2	5635.4	5653.2	5687.4	5688.7	5766.7	5809.1
57.5°	6278.4	6326.3	6350.9	6366.0	6430.3	6423.4	6464.5	6546.6	6554.8	6735.4	6840.7
60°	7455.0	7539.8	7620.5	7576.8	7706.7	7746.4	7771.0	7924.3	7972.2	8143.2	8234.8
62.5°	8940.8	8950.4	9076.2	9036.6	9110.4	9092.7	9122.8	9192.5	9255.5	9396.4	9482.6
65°	9977.8	10023.0	10072.3	10021.6	10020.3	9960.1	9921.8	9920.4	9958.7	9988.8	10084.6
67°	10259.7	10304.8	10317.1	10280.2	10226.9	10150.2	10079.1	10042.2	10017.5	10031.2	10091.4
67.5°	10256.9	10299.4	10314.4	10278.8	10205.0	10140.7	10065.4	10023.0	9990.2	9997.0	10047.6
70°	9674.1	9765.8	9815.0	9826.0	9816.4	9704.2	9639.9	9601.6	9574.2	9507.2	9503.1
72.5°	8196.5	8307.3	8345.7	8407.2	8434.6	8269.0	8199.3	8241.7	8145.9	7933.8	7943.4
75°	6018.5	6026.7	5898.1	5873.4	5781.8	5406.9	5294.7	5192.1	5027.9	4772.1	4531.3
77.5°	3137.1	3135.8	2988.0	2912.8	2803.3	2577.6	2566.6	2383.3	2254.7	2020.7	1935.9
80°	2228.7	2264.3	2313.5	2338.2	2299.8	2212.3	2091.9	1961.9	1812.8	1666.4	1491.3
82.5°	2072.7	2094.6	2120.6	2024.8	1971.5	1848.4	1756.7	1567.9	1462.5	1295.6	1119.1
85°	1008.3	1075.4	1023.4	963.2	942.6	737.4	712.8	595.1	540.4	444.6	414.5
87.5°	64.3	79.4	71.1	64.3	56.1	31.5	42.4	30.1	31.5	23.3	20.5
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1380.5	1379.1	1377.7	1376.3	1375.0	1375.0	1373.6	1372.2	1370.9	1368.1	1368.1
5°	1406.4	1406.4	1405.1	1402.3	1402.3	1399.6	1395.5	1394.1	1394.1	1391.4	1388.7
7.5°	1448.9	1447.5	1444.8	1443.4	1440.7	1437.9	1435.2	1432.4	1431.1	1427.0	1425.6
10°	1513.2	1510.4	1503.6	1500.9	1499.5	1496.7	1494.0	1491.3	1487.2	1484.4	1483.1
12.5°	1585.7	1584.3	1578.8	1581.6	1574.7	1572.0	1569.3	1562.4	1565.2	1559.7	1556.9
15°	1658.2	1659.6	1656.8	1656.8	1651.3	1647.2	1644.5	1639.0	1637.7	1634.9	1632.2
17.5°	1722.5	1725.2	1721.1	1718.4	1715.6	1712.9	1707.4	1702.0	1702.0	1696.5	1693.8
20°	1781.3	1784.1	1782.7	1780.0	1775.8	1774.5	1771.7	1767.6	1767.6	1764.9	1760.8
22.5°	1848.4	1849.7	1849.7	1848.4	1844.3	1845.6	1842.9	1838.8	1840.1	1834.7	1834.7
25°	1929.1	1931.8	1934.6	1935.9	1933.2	1934.6	1931.8	1929.1	1927.7	1929.1	1927.7
27.5°	2039.9	2042.6	2050.8	2044.0	2050.8	2052.2	2048.1	2042.6	2046.7	2053.6	2049.5
30°	2186.3	2183.6	2194.5	2195.9	2194.5	2195.9	2193.1	2189.0	2191.8	2204.1	2197.2
32.5°	2350.5	2355.9	2358.7	2361.4	2365.5	2371.0	2366.9	2362.8	2369.6	2365.5	2375.1
35°	2548.8	2561.2	2565.3	2561.2	2563.9	2573.5	2572.1	2573.5	2587.2	2573.5	2591.3
37.5°	2799.2	2811.5	2821.1	2815.6	2822.5	2822.5	2833.4	2863.5	2844.4	2869.0	2888.1
40°	3163.1	3182.3	3183.7	3182.3	3189.1	3197.3	3208.3	3241.1	3219.2	3245.2	3263.0
42.5°	3538.0	3561.3	3569.5	3555.8	3570.8	3588.6	3590.0	3618.7	3620.1	3624.2	3633.8
45°	3960.8	3981.3	3997.7	3990.9	3992.2	4015.5	4010.0	4037.4	4016.9	4016.9	4022.3
47.5°	4410.9	4430.0	4441.0	4451.9	4438.2	4458.8	4468.3	4462.9	4438.2	4432.8	4399.9
50°	4821.3	4837.7	4854.2	4884.3	4882.9	4892.5	4899.3	4874.7	4869.2	4839.1	4802.2
52.5°	5256.4	5298.8	5335.7	5398.7	5408.3	5441.1	5428.8	5387.7	5380.9	5331.6	5282.4
55°	5862.5	5984.2	6037.6	6134.7	6200.4	6199.0	6171.7	6164.8	6112.9	6014.3	5955.5
57.5°	6917.3	7107.5	7199.2	7325.0	7345.5	7333.2	7297.7	7234.7	7144.4	6978.9	6872.2
60°	8440.1	8557.7	8664.4	8694.5	8709.6	8686.3	8561.8	8422.3	8245.8	8017.3	7827.1
62.5°	9590.7	9711.1	9790.4	9778.1	9683.7	9564.7	9382.7	9148.8	8901.1	8645.3	8360.7
65°	10176.2	10226.9	10214.5	10118.8	9957.3	9749.4	9484.0	9195.3	8903.9	8601.5	8306.0
67°	10144.8	10146.1	10062.7	9876.6	9670.0	9408.7	9084.5	8769.8	8427.7	8110.3	7758.7
67.5°	10088.7	10083.2	9966.9	9763.1	9540.0	9270.5	8934.0	8608.3	8254.0	7933.8	7569.9
70°	9453.9	9377.2	9114.6	8788.9	8478.4	8114.4	7761.5	7388.0	6988.5	6713.5	6294.8
72.5°	7768.3	7509.7	7056.9	6716.2	6383.7	5907.6	5687.4	5223.6	4943.1	4768.0	4451.9
75°	4498.4	4282.3	3932.0	3613.3	3451.8	3170.0	3035.9	2695.2	2624.1	2621.4	2511.9
77.5°	1717.0	1498.1	1272.4	1024.7	871.5	692.3	610.2	545.9	496.6	530.8	481.6
80°	1287.4	1058.9	827.7	602.0	429.6	317.4	272.3	251.7	239.4	229.8	223.0
82.5°	959.1	756.6	586.9	383.1	268.2	202.5	175.1	164.2	158.7	149.1	140.9
85°	324.2	259.9	205.2	142.3	112.2	91.7	84.8	82.1	78.0	71.1	67.0
87.5°	17.8	16.4	17.8	13.7	16.4	13.7	15.0	15.0	15.0	13.7	13.7
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: P151241

CATALOG NUMBER: TLM-E04-LED-E1-SL3-7050

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1366.8	1366.8	1366.8	1364.0	1359.9	1351.7	1343.5	1336.7	1329.8	1325.7	1323.0
5°	1387.3	1384.6	1383.2	1381.8	1372.2	1355.8	1340.8	1327.1	1313.4	1302.5	1298.4
7.5°	1424.2	1418.8	1417.4	1413.3	1401.0	1376.3	1354.5	1332.6	1313.4	1298.4	1291.5
10°	1480.3	1480.3	1472.1	1466.6	1453.0	1420.1	1388.7	1359.9	1333.9	1317.5	1313.4
12.5°	1551.5	1551.5	1544.6	1540.5	1524.1	1481.7	1443.4	1409.2	1384.6	1368.1	1366.8
15°	1625.4	1624.0	1618.5	1613.0	1595.3	1550.1	1511.8	1481.7	1461.2	1442.0	1436.5
17.5°	1691.0	1691.0	1684.2	1678.7	1660.9	1622.6	1588.4	1566.5	1543.3	1503.6	1473.5
20°	1756.7	1758.1	1752.6	1747.1	1732.1	1699.2	1684.2	1662.3	1610.3	1524.1	1453.0
22.5°	1829.2	1834.7	1827.8	1822.4	1810.0	1796.4	1790.9	1738.9	1629.5	1491.3	1387.3
25°	1922.2	1931.8	1923.6	1920.9	1914.0	1918.1	1901.7	1781.3	1602.1	1420.1	1290.2
27.5°	2049.5	2049.5	2050.8	2050.8	2048.1	2063.2	2003.0	1782.7	1541.9	1328.5	1173.9
30°	2198.6	2206.8	2204.1	2204.1	2215.0	2224.6	2059.1	1752.6	1465.3	1214.9	1031.6
32.5°	2377.8	2384.7	2387.4	2375.1	2418.9	2369.6	2079.6	1697.9	1370.9	1074.0	861.9
35°	2594.0	2603.6	2610.4	2611.8	2640.5	2495.5	2068.6	1617.1	1235.4	897.5	675.9
37.5°	2875.8	2895.0	2910.0	2916.9	2918.2	2602.2	2038.5	1510.4	1058.9	700.5	503.5
40°	3250.7	3271.2	3267.1	3280.8	3202.8	2665.1	1970.1	1355.8	840.0	514.4	388.6
42.5°	3611.9	3614.6	3620.1	3607.8	3449.1	2698.0	1874.4	1167.0	629.3	384.4	332.5
45°	4015.5	3992.2	3966.2	3947.1	3676.2	2710.3	1743.0	937.2	444.6	322.9	307.8
47.5°	4394.5	4363.0	4309.6	4254.9	3878.7	2691.1	1574.7	701.9	337.9	295.5	291.4
50°	4766.6	4707.8	4632.5	4569.6	4073.0	2662.4	1388.7	506.2	295.5	281.8	277.7
52.5°	5227.7	5129.2	5030.7	4948.6	4326.1	2617.3	1193.0	384.4	277.7	270.9	265.4
55°	5859.7	5722.9	5564.2	5449.3	4669.5	2548.8	987.8	325.6	269.5	264.1	255.8
57.5°	6735.4	6530.1	6350.9	6163.5	5138.7	2479.1	811.3	302.4	268.2	259.9	249.0
60°	7630.1	7383.9	7155.4	6887.2	5617.6	2409.3	688.2	299.6	272.3	259.9	243.5
62.5°	8095.3	7840.8	7565.8	7293.6	5824.2	2245.1	603.4	303.7	281.8	264.1	243.5
65°	7988.6	7678.0	7398.9	7121.2	5584.7	1934.6	510.3	309.2	301.0	280.5	247.6
67°	7452.3	7128.0	6859.9	6594.4	5051.2	1619.9	437.8	314.7	321.5	299.6	255.8
67.5°	7263.5	6939.2	6675.2	6416.6	4893.8	1554.2	420.0	317.4	325.6	305.1	258.6
70°	6022.6	5784.5	5504.0	5304.3	3962.1	1150.6	344.8	322.9	350.2	336.6	270.9
72.5°	4334.3	4107.2	3896.5	3785.6	2918.2	804.5	290.0	317.4	365.3	354.3	276.4
75°	2303.9	2290.3	2213.7	2268.4	1805.9	525.4	255.8	296.9	348.9	324.2	257.2
77.5°	465.2	478.8	562.3	554.1	582.8	292.8	218.9	254.5	269.5	238.1	209.3
80°	216.2	212.1	208.0	210.7	206.6	187.4	177.9	199.7	187.4	153.2	139.6
82.5°	134.1	131.3	127.2	125.9	139.6	149.1	156.0	157.3	124.5	106.7	102.6
85°	64.3	64.3	62.9	65.7	82.1	121.8	131.3	116.3	83.5	76.6	72.5
87.5°	12.3	12.3	13.7	12.3	16.4	28.7	32.8	38.3	31.5	32.8	36.9
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: P151241

CATALOG NUMBER: TLM-E04-LED-E1-SL3-7050

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	1361.3	1361.3	1361.3
2.5°	1320.3	1317.5	1317.5
5°	1292.9	1291.5	1291.5
7.5°	1286.1	1287.4	1286.1
10°	1312.0	1310.7	1316.2
12.5°	1369.5	1373.6	1372.2
15°	1429.7	1432.4	1432.4
17.5°	1447.5	1437.9	1436.5
20°	1401.0	1383.2	1379.1
22.5°	1313.4	1280.6	1281.9
25°	1202.6	1162.9	1165.7
27.5°	1074.0	1031.6	1030.2
30°	919.4	872.9	849.6
32.5°	733.3	677.2	677.2
35°	551.4	506.2	489.8
37.5°	418.7	392.7	384.4
40°	348.9	336.6	333.8
42.5°	317.4	313.3	311.9
45°	301.0	298.3	296.9
47.5°	285.9	284.6	283.2
50°	275.0	273.6	272.3
52.5°	265.4	262.7	261.3
55°	251.7	251.7	251.7
57.5°	243.5	243.5	242.2
60°	235.3	234.0	234.0
62.5°	228.5	225.7	227.1
65°	224.4	220.3	220.3
67°	221.6	213.4	213.4
67.5°	221.6	210.7	210.7
70°	217.5	199.7	197.0
72.5°	213.4	187.4	183.3
75°	202.5	177.9	173.8
77.5°	173.8	158.7	156.0
80°	134.1	116.3	119.0
82.5°	97.1	83.5	82.1
85°	69.8	60.2	60.2
87.5°	36.9	31.5	32.8
90°	0.0	0.0	0.0

(END OF REPORT)