

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: P150109

Luminaire Tested: **TLM-E05-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P150109
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E05-LED-E1-SL2-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

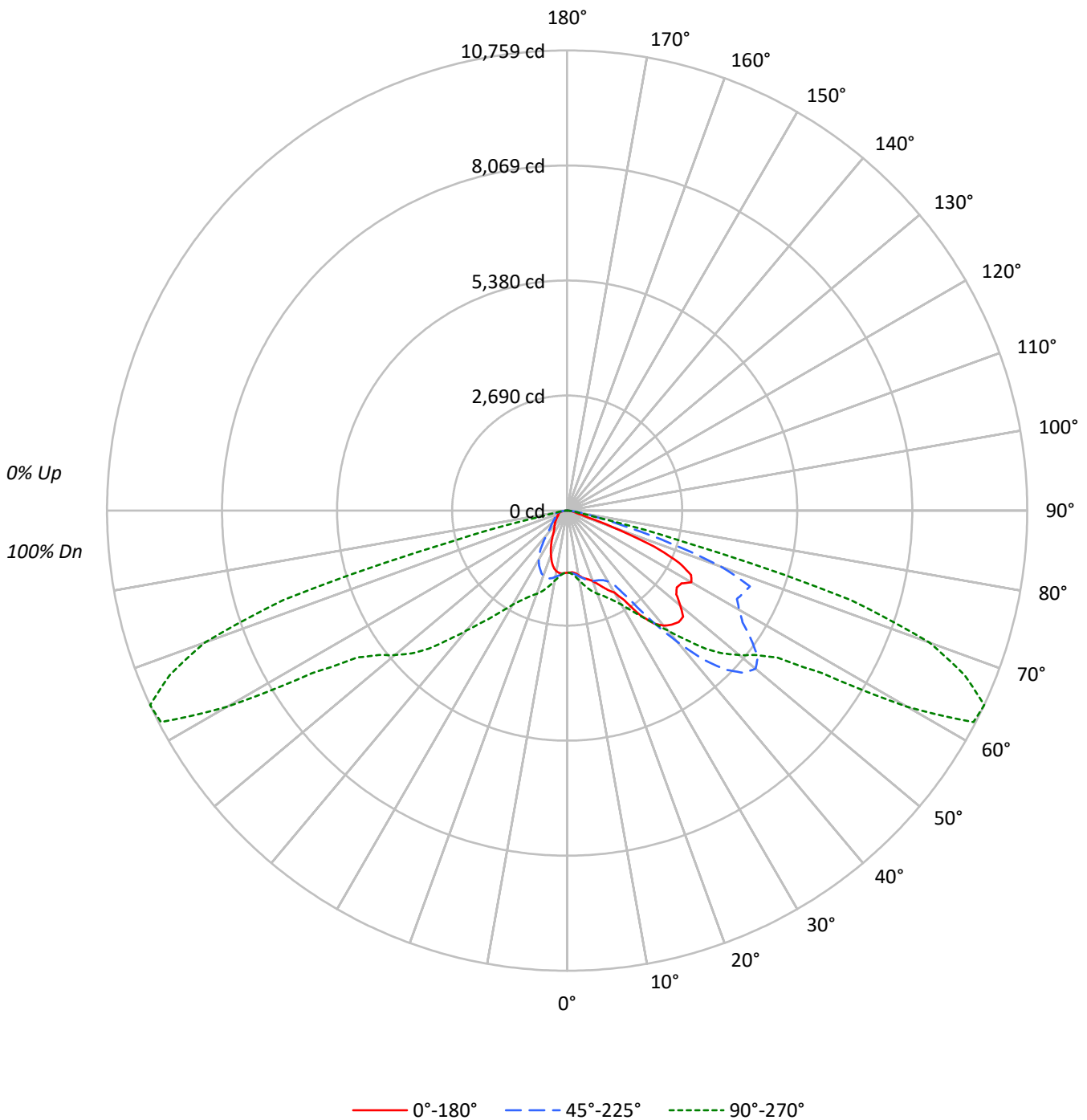
Lumens per Lamp: N/A
Luminaire Lumens: 13951.9 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.99 / 4.45 / 2.31
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 127.3
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	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	90	103	98	93	88	93	89	85	89	86	83	85	83	80	78					78			
2	93	83	74	67	90	81	73	66	77	70	64	74	68	63	70	66	61	59					59			
3	82	69	59	51	80	68	58	51	64	56	50	61	54	49	59	53	48	45					45			
4	74	59	48	40	71	57	47	40	55	46	39	52	45	38	50	43	38	35					35			
5	66	51	40	32	64	50	39	32	47	38	31	45	37	31	43	36	30	28					28			
6	60	44	34	26	58	43	33	26	41	32	26	40	32	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	34	25	19	33	24	18	32	24	18	30	23	18	16					16			
9	47	32	22	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14					14			
10	44	29	20	14	42	28	20	14	27	19	14	26	19	14	25	19	14	12					12			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18833	18833	18833
5°	18846	19539	19223
10°	20166	21910	18984
15°	22094	25301	17658
20°	24223	28550	15253
25°	28252	32216	12612
30°	33145	37954	9961
35°	47259	47862	8315
40°	59452	61927	7732
45°	67646	83727	7343
50°	69686	106018	6940
55°	70695	135194	6747
60°	86980	237844	6713
65°	88846	330163	7055
70°	42597	341759	8023
75°	11745	140730	9761
80°	9888	19664	9664
85°	6562	12231	10416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	1.0
10°-20°	472.0	3.4
20°-30°	815.3	5.8
30°-40°	1349.6	9.7
40°-50°	2288.8	16.4
50°-60°	3041.1	21.8
60°-70°	3928.4	28.2
70°-80°	1647.6	11.8
80°-90°	264.7	1.9
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°	1431.7	10.3
0°-40°	2781.3	19.9
0°-60°	8111.2	58.1
0°-90°	13951.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13951.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1452	1452	1452	1452	1452	
5°	1448	1472	1501	1492	1477	141
15°	1646	1665	1884	1642	1315	469
25°	1974	1793	2251	1506	881	922
35°	2985	2490	3023	1066	525	1848
45°	3688	5264	4565	546	400	2801
55°	3127	5246	5979	371	298	2896
65°	2895	4548	10759	295	230	2617
75°	234	1308	2809	308	195	377
85°	44	110	82	94	70	59
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°	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2
2.5°	1447.7	1452.2	1449.2	1452.2	1455.3	1456.8	1459.8	1458.3	1458.3	1459.8	1456.8
5°	1447.7	1447.7	1452.2	1459.8	1462.9	1472.0	1482.7	1481.1	1482.7	1481.1	1484.2
7.5°	1478.1	1476.6	1481.1	1490.3	1493.3	1507.0	1525.3	1528.3	1531.4	1531.4	1536.0
10°	1531.4	1529.9	1534.4	1539.0	1543.6	1554.2	1580.1	1590.8	1592.3	1593.8	1599.9
12.5°	1598.4	1596.8	1590.8	1590.8	1589.2	1609.0	1644.0	1663.8	1666.9	1673.0	1677.5
15°	1645.6	1641.0	1631.9	1625.8	1633.4	1665.3	1717.1	1739.9	1743.0	1747.5	1759.7
17.5°	1691.2	1686.7	1666.9	1651.6	1662.3	1714.1	1784.1	1808.4	1814.5	1819.1	1832.8
20°	1755.2	1752.1	1723.2	1686.7	1683.6	1750.6	1835.8	1867.8	1872.4	1878.5	1892.2
22.5°	1852.6	1838.9	1805.4	1736.9	1703.4	1771.9	1872.4	1916.5	1922.6	1928.7	1947.0
25°	1974.4	1968.3	1910.4	1805.4	1735.4	1793.2	1911.9	1966.7	1975.9	1983.5	2007.8
27.5°	2100.7	2091.6	2029.2	1892.2	1791.7	1835.8	1974.4	2036.8	2048.9	2061.1	2084.0
30°	2213.4	2210.3	2158.6	2009.4	1883.0	1916.5	2074.8	2150.9	2164.6	2179.9	2201.2
32.5°	2478.2	2479.7	2426.5	2274.2	2103.8	2062.6	2219.4	2333.6	2339.7	2358.0	2396.0
35°	2985.1	2991.2	2971.4	2851.2	2659.4	2490.4	2505.6	2618.3	2624.4	2639.6	2676.1
37.5°	3324.6	3336.8	3397.7	3435.7	3338.3	3260.7	3067.3	3023.2	3027.8	3018.6	3011.0
40°	3511.8	3530.1	3689.9	3887.8	3994.4	3995.9	3912.2	3717.3	3642.7	3621.4	3530.1
42.5°	3618.4	3648.8	3875.6	4213.6	4519.6	4729.6	4781.4	4565.2	4510.4	4413.0	4237.9
45°	3688.4	3724.9	3992.9	4455.6	4906.2	5263.9	5533.4	5437.5	5400.9	5341.6	5180.2
47.5°	3676.2	3705.2	3983.7	4537.8	5108.7	5617.1	6095.1	6194.0	6149.9	6134.7	6025.1
50°	3454.0	3479.9	3763.0	4333.8	4997.5	5751.1	6451.3	6731.4	6731.4	6760.3	6726.8
52.5°	3216.5	3237.8	3495.1	4008.1	4638.3	5620.1	6649.2	7113.5	7174.4	7224.6	7303.8
55°	3126.7	3152.6	3347.4	3785.8	4332.3	5245.7	6716.2	7399.7	7512.3	7597.6	7777.2
57.5°	3169.3	3195.2	3333.7	3665.6	4152.7	4863.6	6719.2	7784.8	8002.5	8177.5	8541.3
60°	3353.5	3377.9	3493.6	3776.7	4105.5	4642.9	6589.8	8398.3	8745.3	9074.1	9680.0
62.5°	3268.3	3298.7	3467.7	3960.9	4457.1	4475.4	6122.5	8873.2	9431.9	9917.5	10881.0
65°	2895.3	2927.3	3059.7	3521.0	4478.5	4548.5	5429.9	8882.3	9576.5	10232.6	11272.3
67.5°	2198.1	2210.3	2315.3	2685.2	3581.9	4629.2	4717.5	7830.5	8491.1	9223.3	10296.5
70°	1123.4	1144.7	1175.2	1482.7	2306.2	3825.4	4053.8	5770.9	6612.7	7369.2	8658.6
72.5°	389.7	397.3	427.8	566.3	1123.4	2510.2	3548.4	3954.8	4463.2	5171.1	6664.4
75°	234.4	234.4	245.1	286.2	513.0	1307.6	3157.1	3230.2	3298.7	3536.2	4513.5
77.5°	185.7	188.8	188.8	196.4	284.7	671.3	2397.5	3003.4	3012.5	3035.4	3199.8
80°	132.4	138.5	150.7	156.8	184.2	368.4	1345.7	2636.5	2816.2	2902.9	3023.2
82.5°	98.9	105.0	127.9	135.5	143.1	205.5	604.3	1819.1	2146.4	2319.9	2743.1
85°	44.1	51.8	86.8	95.9	100.5	109.6	283.1	517.6	595.2	668.3	881.4
87.5°	7.6	7.6	13.7	19.8	28.9	27.4	62.4	88.3	89.8	105.0	117.2
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2
2.5°	1456.8	1456.8	1456.8	1455.3	1456.8	1456.8	1456.8	1456.8	1458.3	1458.3	1458.3
5°	1488.8	1485.7	1487.2	1487.2	1487.2	1485.7	1488.8	1487.2	1488.8	1493.3	1491.8
7.5°	1536.0	1539.0	1540.5	1542.0	1542.0	1542.0	1543.6	1546.6	1546.6	1551.2	1549.7
10°	1606.0	1604.5	1606.0	1610.5	1615.1	1616.6	1621.2	1619.7	1622.7	1628.8	1634.9
12.5°	1680.6	1683.6	1688.2	1692.7	1700.4	1701.9	1706.4	1708.0	1717.1	1717.1	1723.2
15°	1764.3	1765.8	1774.9	1776.5	1785.6	1788.6	1796.3	1799.3	1810.0	1811.5	1817.6
17.5°	1840.4	1843.4	1848.0	1852.6	1863.2	1867.8	1873.9	1880.0	1889.1	1892.2	1902.8
20°	1901.3	1907.4	1908.9	1918.0	1927.2	1933.3	1939.3	1945.4	1954.6	1959.1	1969.8
22.5°	1956.1	1962.2	1966.7	1974.4	1980.4	1989.6	1992.6	2003.3	2012.4	2020.0	2029.2
25°	2015.5	2024.6	2029.2	2042.9	2047.4	2056.6	2064.2	2074.8	2087.0	2096.1	2108.3
27.5°	2099.2	2112.9	2119.0	2134.2	2144.9	2149.4	2161.6	2176.8	2187.5	2198.1	2210.3
30°	2214.9	2240.8	2245.3	2256.0	2275.8	2278.8	2294.0	2306.2	2323.0	2333.6	2344.3
32.5°	2394.5	2426.5	2429.5	2441.7	2458.4	2464.5	2476.7	2490.4	2516.3	2520.8	2537.6
35°	2670.0	2683.7	2695.9	2700.5	2714.2	2721.8	2730.9	2746.1	2772.0	2769.0	2787.2
37.5°	3000.4	3004.9	3006.4	2991.2	2994.3	2980.6	2997.3	3000.4	3009.5	3017.1	3035.4
40°	3472.3	3425.1	3419.0	3382.4	3345.9	3326.1	3318.5	3288.1	3295.7	3298.7	3313.9
42.5°	4161.8	4070.5	3994.4	3942.6	3852.8	3808.7	3749.3	3702.1	3665.6	3679.3	3685.4
45°	5035.6	4904.7	4782.9	4624.6	4507.4	4423.7	4318.6	4224.2	4181.6	4161.8	4186.2
47.5°	5907.9	5792.2	5649.1	5486.2	5300.5	5162.0	4986.9	4833.1	4726.6	4687.0	4708.3
50°	6661.4	6554.8	6446.7	6350.8	6134.7	5984.0	5745.0	5545.6	5378.1	5292.9	5270.0
52.5°	7287.0	7230.7	7172.8	7092.2	6918.6	6767.9	6577.6	6381.3	6159.0	5985.5	5926.1
55°	7845.7	7879.2	7850.2	7851.8	7783.3	7687.4	7526.0	7379.9	7224.6	7028.2	6946.0
57.5°	8660.1	8858.0	8897.6	8996.5	9045.2	9097.0	9142.6	9055.9	9016.3	8870.2	8871.7
60°	9943.3	10232.6	10483.7	10712.1	10899.3	11082.0	11273.8	11359.0	11453.4	11497.6	11648.3
62.5°	11308.8	11584.3	11958.8	12264.8	12436.8	12674.3	12882.8	13018.3	13184.2	13360.8	13590.7
65°	11646.7	11978.6	12214.5	12418.5	12589.0	12715.4	12829.5	12990.9	13129.4	13409.5	13680.5
67.5°	10780.6	11045.5	11261.6	11462.5	11595.0	11701.5	11803.5	11910.1	12147.6	12401.8	12674.3
70°	9253.8	9573.4	9931.2	10191.5	10256.9	10348.3	10445.7	10584.2	10702.9	10969.3	11176.4
72.5°	7434.7	7894.4	8197.3	8558.1	8635.7	8774.3	8829.1	8937.1	8958.4	9103.1	9157.9
75°	5181.7	5708.4	6012.9	6277.8	6329.5	6253.4	6283.9	5901.8	5804.3	5725.2	5661.2
77.5°	3420.5	3562.1	3610.8	3568.2	3364.2	3204.3	3033.8	2866.4	2884.7	2749.2	2511.7
80°	3041.5	3073.4	3029.3	2986.7	2869.4	2702.0	2548.2	2391.5	2313.8	2231.6	2109.8
82.5°	2959.3	3082.6	3096.3	3044.5	2951.6	2769.0	2583.3	2350.4	2152.5	1969.8	1784.1
85°	989.5	1204.1	1300.0	1389.8	1417.2	1449.2	1339.6	1190.4	1010.8	890.5	697.2
87.5°	126.3	156.8	181.1	155.3	181.1	213.1	153.7	172.0	173.5	108.1	80.7
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2
2.5°	1459.8	1458.3	1458.3	1458.3	1456.8	1458.3	1458.3	1458.3	1458.3	1458.3	1456.8
5°	1493.3	1493.3	1497.9	1499.4	1496.4	1494.9	1496.4	1497.9	1497.9	1496.4	1497.9
7.5°	1555.7	1557.3	1560.3	1564.9	1561.8	1563.4	1564.9	1563.4	1567.9	1569.4	1567.9
10°	1634.9	1637.9	1645.6	1647.1	1645.6	1651.6	1653.2	1650.1	1653.2	1653.2	1659.3
12.5°	1726.2	1729.3	1738.4	1741.5	1744.5	1746.0	1750.6	1752.1	1756.7	1759.7	1764.3
15°	1825.2	1828.2	1834.3	1845.0	1848.0	1851.1	1854.1	1863.2	1864.8	1870.8	1875.4
17.5°	1908.9	1913.5	1922.6	1930.2	1934.8	1942.4	1945.4	1956.1	1959.1	1968.3	1975.9
20°	1975.9	1983.5	1991.1	2000.2	2007.8	2017.0	2020.0	2030.7	2036.8	2041.3	2050.5
22.5°	2036.8	2045.9	2056.6	2067.2	2073.3	2085.5	2090.1	2094.6	2108.3	2114.4	2123.5
25°	2115.9	2125.1	2137.2	2150.9	2157.0	2172.3	2176.8	2184.4	2199.7	2205.7	2219.4
27.5°	2224.0	2236.2	2245.3	2259.0	2266.6	2277.3	2287.9	2297.1	2310.8	2319.9	2335.1
30°	2359.5	2368.6	2383.8	2394.5	2406.7	2421.9	2434.1	2443.2	2450.8	2464.5	2481.3
32.5°	2558.9	2560.4	2565.0	2590.9	2603.0	2615.2	2632.0	2639.6	2651.8	2665.5	2683.7
35°	2807.0	2820.7	2831.4	2843.6	2857.3	2871.0	2877.1	2899.9	2910.5	2928.8	2947.1
37.5°	3053.6	3055.2	3079.5	3087.1	3099.3	3113.0	3134.3	3157.1	3184.5	3202.8	3231.7
40°	3318.5	3330.7	3361.1	3376.4	3391.6	3425.1	3441.8	3478.3	3524.0	3549.9	3598.6
42.5°	3702.1	3720.4	3775.2	3799.5	3836.1	3890.9	3925.9	3976.1	3994.4	4056.8	4079.6
45°	4204.5	4260.8	4339.9	4391.7	4457.1	4516.5	4547.0	4569.8	4597.2	4645.9	4639.8
47.5°	4747.9	4821.0	4909.3	5015.8	5058.4	5128.5	5168.0	5212.2	5187.8	5175.7	5163.5
50°	5305.0	5390.3	5507.5	5603.4	5668.9	5711.5	5745.0	5738.9	5687.1	5659.7	5583.6
52.5°	5924.6	5974.8	6086.0	6168.2	6207.7	6216.9	6209.3	6163.6	6114.9	6028.1	5938.3
55°	6874.5	6851.6	6895.8	6933.9	6921.7	6964.3	6854.7	6812.1	6691.8	6579.2	6458.9
57.5°	8804.7	8835.1	8588.5	8477.4	8457.6	8497.2	8303.9	8279.5	7988.8	7952.2	7749.8
60°	11626.9	11776.1	11582.8	11474.7	11182.5	11086.6	10870.4	10780.6	10502.0	10276.7	9992.1
62.5°	13749.0	13884.4	13965.1	13811.4	13640.9	13389.7	13062.4	12700.1	12404.8	12059.3	11757.9
65°	13940.8	14214.8	14400.5	14472.0	14351.8	14076.3	13672.9	13216.2	12764.1	12330.2	11949.7
67.5°	13044.2	13289.2	13577.0	13834.2	13849.4	13669.8	13325.8	12861.5	12339.4	11803.5	11357.5
70°	11503.6	11811.1	12062.3	12333.3	12522.0	12418.5	12246.5	11820.3	11278.4	10861.3	10348.3
72.5°	9355.8	9485.1	9546.0	9812.4	9815.5	9626.7	9504.9	9269.0	8832.1	8536.8	8145.6
75°	5463.4	5178.7	4875.8	4612.4	4397.8	4308.0	3909.1	3842.2	3574.2	3408.3	3164.8
77.5°	2252.9	1998.7	1671.4	1398.9	1129.5	1007.7	831.1	753.5	653.0	608.9	580.0
80°	1931.7	1691.2	1444.6	1208.7	998.6	788.5	613.5	476.5	374.5	318.2	295.3
82.5°	1577.1	1432.4	1260.4	1132.6	968.2	811.4	685.0	531.3	397.3	292.3	223.8
85°	569.3	467.3	376.0	345.6	275.5	226.8	190.3	162.9	134.0	106.6	94.4
87.5°	63.9	60.9	35.0	33.5	38.1	27.4	32.0	28.9	24.4	21.3	22.8
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: P150109

CATALOG NUMBER: TLM-E05-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2	1452.2
2.5°	1456.8	1456.8	1458.3	1458.3	1459.8	1461.4	1464.4	1462.9	1462.9	1464.4	1464.4
5°	1497.9	1502.5	1500.9	1500.9	1500.9	1502.5	1504.0	1497.9	1491.8	1485.7	1482.7
7.5°	1569.4	1572.5	1575.5	1572.5	1575.5	1574.0	1571.0	1554.2	1534.4	1510.1	1493.3
10°	1662.3	1662.3	1665.3	1663.8	1669.9	1665.3	1656.2	1618.2	1575.5	1523.8	1485.7
12.5°	1762.8	1773.4	1768.9	1770.4	1782.6	1770.4	1749.1	1692.7	1616.6	1532.9	1465.9
15°	1881.5	1886.1	1889.1	1884.5	1892.2	1881.5	1843.4	1753.6	1642.5	1525.3	1426.3
17.5°	1978.9	1980.4	1982.0	1985.0	1995.7	1983.5	1918.0	1796.3	1648.6	1490.3	1359.4
20°	2055.0	2062.6	2068.7	2068.7	2084.0	2065.7	1978.9	1817.6	1628.8	1432.4	1274.1
22.5°	2134.2	2140.3	2147.9	2149.4	2169.2	2150.9	2029.2	1813.0	1577.1	1350.2	1175.2
25°	2231.6	2237.7	2243.8	2251.4	2278.8	2252.9	2079.4	1794.7	1505.5	1252.8	1068.6
27.5°	2344.3	2358.0	2362.5	2374.7	2406.7	2367.1	2122.0	1767.3	1426.3	1140.2	956.0
30°	2495.0	2511.7	2517.8	2534.5	2578.7	2491.9	2146.4	1720.1	1325.9	1026.0	835.7
32.5°	2697.4	2720.3	2738.5	2756.8	2807.0	2616.7	2149.4	1651.6	1208.7	898.1	720.0
35°	2962.3	2997.3	3011.0	3023.2	3070.4	2752.2	2135.7	1549.7	1065.6	767.2	628.7
37.5°	3259.1	3294.2	3303.3	3309.4	3318.5	2867.9	2102.2	1394.4	904.2	653.0	555.6
40°	3624.5	3654.9	3667.1	3658.0	3609.3	2957.7	2027.6	1213.2	747.4	575.4	510.0
42.5°	4070.5	4116.2	4120.7	4079.6	3918.3	3008.0	1878.5	1000.1	624.1	519.1	474.9
45°	4623.1	4620.0	4594.2	4565.2	4254.7	2988.2	1669.9	814.4	546.5	474.9	443.0
47.5°	5119.3	5067.6	5028.0	4942.7	4551.5	2872.5	1400.5	674.4	499.3	441.5	415.6
50°	5525.8	5431.4	5347.7	5254.8	4772.3	2667.0	1132.6	572.4	455.2	412.5	389.7
52.5°	5847.0	5732.8	5635.4	5544.0	4985.4	2438.6	928.6	497.8	412.5	383.6	360.8
55°	6349.3	6235.1	6079.9	5979.4	5311.1	2228.6	796.1	438.4	371.4	353.2	330.3
57.5°	7620.4	7519.9	7334.2	7073.9	6148.4	2149.4	721.5	392.7	337.9	327.3	309.0
60°	9839.8	9676.9	9434.9	9170.0	7850.2	2202.7	662.2	360.8	315.1	306.0	292.3
62.5°	11514.3	11228.1	10954.1	10709.0	9211.1	2201.2	584.5	336.4	298.4	293.8	280.1
65°	11582.8	11292.1	11016.5	10759.3	9241.6	1959.1	493.2	315.1	295.3	293.8	271.0
67.5°	10967.8	10652.7	10386.3	10062.1	8555.0	1531.4	395.8	301.4	307.5	304.5	267.9
70°	9963.1	9552.1	9332.9	9013.2	7529.1	1071.7	325.8	306.0	333.4	324.2	272.5
72.5°	7819.8	7509.3	7175.9	6953.6	5894.2	677.4	274.0	309.0	344.0	328.8	284.7
75°	2910.5	2994.3	2857.3	2808.6	2994.3	397.3	243.6	287.7	307.5	284.7	258.8
77.5°	587.6	561.7	532.8	526.7	680.4	245.1	223.8	249.6	235.9	208.5	210.1
80°	281.6	274.0	264.9	263.3	252.7	204.0	207.0	213.1	178.1	161.4	172.0
82.5°	187.2	176.6	173.5	167.4	170.5	182.7	196.4	182.7	137.0	127.9	155.3
85°	86.8	83.7	82.2	82.2	91.3	164.4	162.9	134.0	94.4	91.3	155.3
87.5°	21.3	21.3	22.8	21.3	24.4	48.7	42.6	41.1	35.0	39.6	73.1
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: P150109

CATALOG NUMBER: TLM-E05-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1452.2	1452.2	1452.2
2.5°	1462.9	1464.4	1462.9
5°	1476.6	1476.6	1476.6
7.5°	1476.6	1472.0	1470.5
10°	1455.3	1441.6	1441.6
12.5°	1418.7	1395.9	1392.9
15°	1350.2	1319.8	1315.2
17.5°	1263.5	1222.4	1214.8
20°	1166.0	1114.3	1105.2
22.5°	1059.5	1000.1	995.6
25°	954.5	893.6	881.4
27.5°	837.2	777.9	771.8
30°	720.0	668.3	665.2
32.5°	621.1	589.1	583.0
35°	551.1	532.8	525.2
37.5°	505.4	491.7	490.2
40°	470.4	458.2	456.7
42.5°	441.5	430.8	429.3
45°	412.5	403.4	400.4
47.5°	383.6	374.5	373.0
50°	357.7	345.6	344.0
52.5°	333.4	321.2	318.2
55°	310.5	298.4	298.4
57.5°	290.7	278.6	277.0
60°	272.5	260.3	258.8
62.5°	258.8	243.6	242.0
65°	248.1	232.9	229.9
67.5°	242.0	223.8	219.2
70°	252.7	219.2	211.6
72.5°	254.2	214.6	204.0
75°	245.1	202.5	194.8
77.5°	214.6	181.1	173.5
80°	185.7	140.0	129.4
82.5°	176.6	114.2	98.9
85°	137.0	74.6	70.0
87.5°	77.6	41.1	33.5
90°	0.0	0.0	0.0

(END OF REPORT)