

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: P152968

Luminaire Tested: **TLM-E06-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152968
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E06-LED-E1-SLL-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

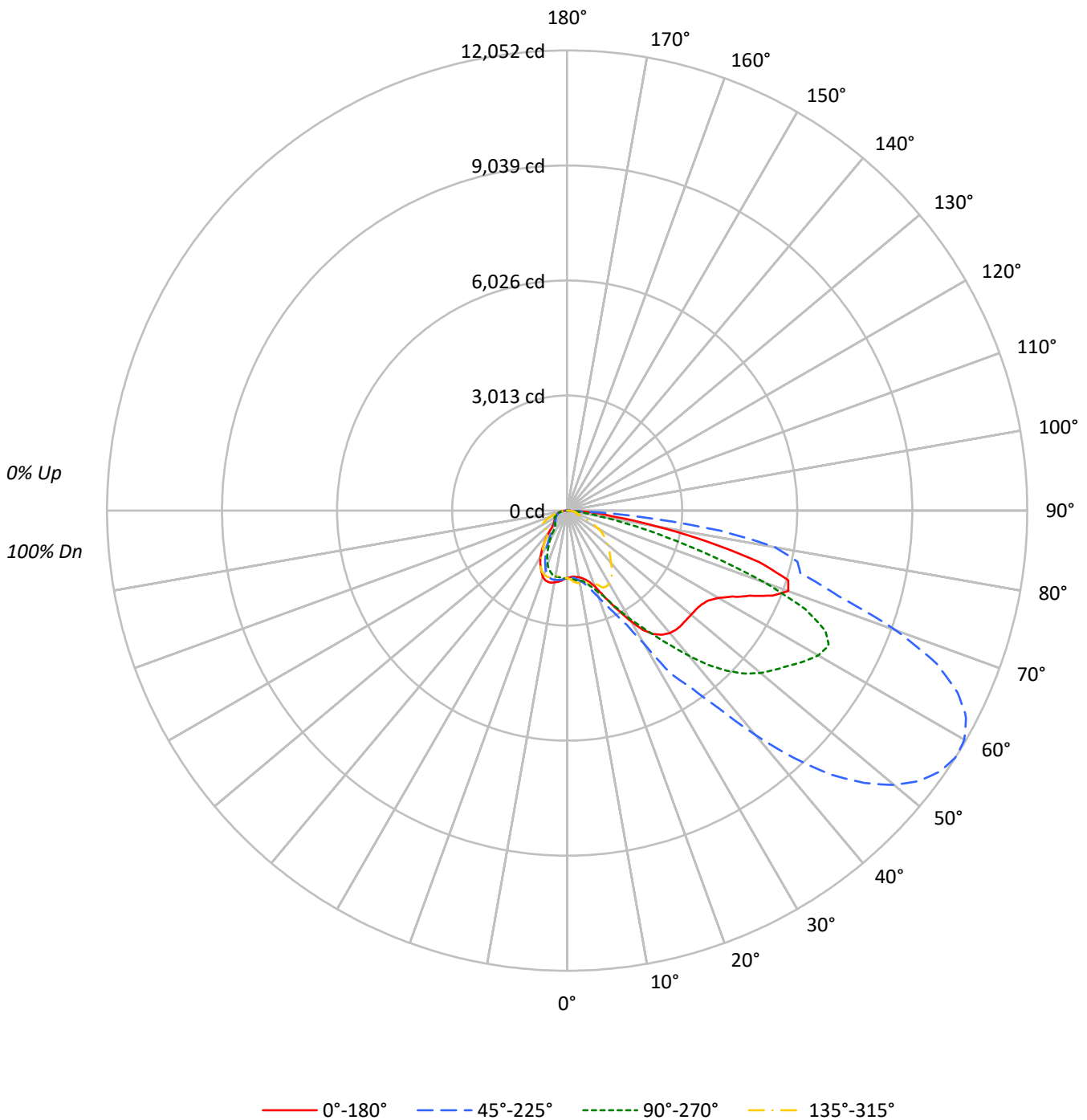
Lumens per Lamp: N/A
Luminaire Lumens: 14090.2 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 150.5
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	105	99	93	88	102	97	91	87	92	88	84	88	85	81	84	82	79	77
2	93	82	73	66	90	80	72	65	76	70	64	73	67	62	70	65	61	58
3	82	69	59	51	80	68	58	50	64	56	49	61	54	48	59	53	47	45
4	74	59	48	40	71	58	48	40	55	46	39	52	45	39	50	44	38	35
5	67	51	41	33	64	50	40	32	48	39	32	46	38	32	44	37	31	29
6	61	45	35	27	59	44	34	27	42	33	27	40	32	26	39	32	26	24
7	56	40	30	23	54	39	30	23	38	29	23	36	28	22	35	27	22	20
8	52	36	26	20	50	35	26	20	34	25	19	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	29	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	20	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19060	19060	19060	19060
5°	18732	19552	19971	19059
10°	19372	20332	20866	19132
15°	20898	21971	21575	18622
20°	24150	25503	21269	17169
25°	31614	31234	19406	14494
30°	41666	40534	17309	11225
35°	51903	52457	13863	7674
40°	58822	69756	10152	6712
45°	64495	90344	7631	7040
50°	71005	110748	7293	7207
55°	80492	132886	7445	7381
60°	98440	163416	8103	8103
65°	134266	190153	8555	8425
70°	193900	173075	9032	8925
75°	216290	112040	9969	9407
80°	147845	54412	11406	10147
85°	95899	26479	13758	12511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	1.2
10°-20°	536.8	3.8
20°-30°	953.7	6.8
30°-40°	1501.8	10.7
40°-50°	2210.2	15.7
50°-60°	2935.8	20.8
60°-70°	3233.8	23.0
70°-80°	2028.9	14.4
80°-90°	516.7	3.7
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°	1662.9	11.8
0°-40°	3164.7	22.5
0°-60°	8310.8	59.0
0°-90°	14090.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14090.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1771	1771	1771	1771	1771	
5°	1734	1810	1848	1764	1734	167
15°	1875	1972	1936	1671	1875	543
25°	2662	2630	1634	1220	2662	1256
35°	3950	3992	1055	584	3950	2448
45°	4237	5935	501	462	4237	3276
55°	4289	7081	397	393	4289	3891
65°	5272	7466	336	331	5272	5307
75°	5201	2694	240	226	5201	5086
85°	776	214	111	101	776	898
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1747.1	1750.4	1750.4	1748.7	1748.7	1752.1	1750.4	1748.7	1743.7	1750.4	1750.4
5°	1733.6	1736.9	1736.9	1740.3	1743.7	1747.1	1747.1	1750.4	1748.7	1755.5	1760.6
7.5°	1750.4	1753.8	1760.6	1769.0	1774.1	1785.9	1785.9	1794.3	1797.7	1802.8	1801.1
10°	1772.4	1780.8	1796.0	1809.5	1819.6	1833.1	1843.3	1855.1	1855.1	1860.2	1863.5
12.5°	1811.2	1819.6	1836.5	1853.4	1868.6	1885.5	1900.7	1912.5	1924.3	1927.7	1934.4
15°	1875.3	1885.5	1910.8	1934.4	1953.0	1974.9	1995.2	2018.8	2040.8	2045.8	2049.2
17.5°	1971.6	1991.8	2010.4	2052.6	2079.6	2108.3	2140.4	2174.1	2180.9	2216.3	2224.8
20°	2108.3	2133.6	2150.5	2202.8	2248.4	2285.5	2332.8	2371.6	2386.8	2420.6	2454.3
22.5°	2344.6	2339.5	2364.9	2417.2	2450.9	2525.2	2565.7	2606.2	2626.5	2677.1	2704.1
25°	2661.9	2689.0	2744.7	2749.7	2781.8	2867.9	2920.2	2960.7	2962.4	2977.6	3006.3
27.5°	2974.2	3085.6	3173.4	3220.7	3306.8	3386.1	3382.7	3440.1	3350.6	3369.2	3396.2
30°	3352.3	3538.0	3703.4	3814.8	3902.6	3995.5	4041.0	4073.1	4034.3	4017.4	3985.3
32.5°	3706.8	3966.8	4221.6	4419.1	4582.9	4736.5	4837.8	4883.3	4937.3	5074.1	5123.0
35°	3949.9	4317.9	4635.2	4920.5	5193.9	5438.7	5615.9	5717.2	5678.4	5659.8	5649.7
37.5°	4095.0	4544.0	4940.7	5344.2	5658.1	6024.4	6299.5	6566.2	6627.0	6520.7	6468.3
40°	4186.2	4717.9	5227.7	5703.7	6110.5	6583.1	6924.1	7324.2	7628.0	7668.5	7543.6
42.5°	4230.1	4834.4	5428.5	5967.0	6517.3	7096.3	7528.4	8012.8	8466.9	8779.2	8701.5
45°	4236.8	4910.3	5575.4	6205.0	6860.0	7547.0	8104.0	8640.8	9248.5	9783.5	9798.7
47.5°	4236.8	4967.7	5676.7	6377.2	7167.2	7938.6	8546.3	9180.9	9925.3	10558.3	10752.4
50°	4240.2	5006.6	5771.2	6512.2	7401.8	8269.4	8956.4	9705.9	10489.1	11177.8	11552.5
52.5°	4255.4	5035.2	5845.5	6608.4	7553.7	8502.4	9275.5	10139.7	10919.6	11626.8	12111.3
55°	4289.2	5075.8	5899.5	6667.5	7655.0	8654.3	9506.7	10436.8	11198.1	11915.5	12592.3
57.5°	4383.7	5146.7	5965.3	6719.9	7710.7	8753.9	9668.8	10565.1	11304.4	12052.2	12847.2
60°	4572.7	5296.9	6078.4	6824.5	7803.5	8937.9	9746.4	10479.0	11226.8	12011.7	12904.6
62.5°	4874.9	5531.5	6235.4	7001.7	8068.6	9223.1	9687.3	10222.4	10921.2	11777.0	12700.4
63°	4979.5	5582.2	6270.9	7040.6	8141.1	9275.5	9662.0	10146.5	10858.8	11702.8	12627.8
65°	5271.6	5806.7	6439.7	7236.4	8439.9	9327.8	9464.5	9751.5	10426.7	11279.1	12199.0
67.5°	5816.8	6351.9	6802.6	7567.2	8691.4	9121.9	8851.8	8887.2	9592.8	10475.6	11302.7
70°	6161.1	6799.2	7033.8	7609.4	8645.8	8816.3	8058.4	7589.2	8154.6	9160.7	9884.8
72.5°	6071.7	6804.3	6778.9	7047.3	7734.3	7893.0	7108.1	6368.8	6704.7	7455.8	7925.1
75°	5200.7	6076.7	5891.1	5837.0	6078.4	6183.1	5594.0	5480.9	5904.6	6321.5	6328.2
77.5°	3743.9	4707.8	4490.0	4177.8	4160.9	4402.3	4481.6	5222.6	5848.9	6178.0	6032.8
80°	2385.1	3430.0	3203.8	2658.6	2650.1	2964.1	3661.2	4669.0	5332.3	5516.3	5138.2
82.5°	1245.7	2245.0	2331.1	1995.2	2283.8	2803.7	3484.0	3762.5	4014.0	4039.3	3593.7
85°	776.5	1380.8	1623.8	1676.2	2062.7	2486.4	2481.3	2383.4	2272.0	1944.6	1758.9
87.5°	87.8	173.9	263.3	249.8	335.9	470.9	587.4	344.3	241.4	87.8	121.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1753.8	1755.5	1757.2	1757.2	1765.6	1763.9	1765.6	1769.0	1774.1	1777.4	1780.8
5°	1767.3	1767.3	1774.1	1779.1	1789.3	1796.0	1799.4	1809.5	1821.3	1818.0	1828.1
7.5°	1811.2	1809.5	1816.3	1819.6	1828.1	1839.9	1838.2	1846.7	1856.8	1860.2	1868.6
10°	1870.3	1865.2	1865.2	1861.8	1863.5	1860.2	1860.2	1860.2	1866.9	1865.2	1872.0
12.5°	1931.1	1929.4	1926.0	1915.9	1915.9	1902.4	1895.6	1887.2	1885.5	1873.7	1875.3
15°	2056.0	2056.0	2049.2	2029.0	2012.1	2000.3	1983.4	1971.6	1954.7	1932.7	1920.9
17.5°	2238.3	2214.6	2206.2	2202.8	2175.8	2165.7	2128.5	2089.7	2071.2	2040.8	2023.9
20°	2461.1	2456.0	2422.3	2405.4	2371.6	2324.4	2277.1	2226.4	2196.1	2158.9	2138.7
22.5°	2712.6	2675.5	2658.6	2633.3	2580.9	2526.9	2456.0	2388.5	2341.2	2315.9	2300.7
25°	3006.3	2969.2	2952.3	2918.5	2854.4	2797.0	2709.2	2629.9	2587.7	2545.5	2521.8
27.5°	3396.2	3360.8	3340.5	3252.7	3230.8	3136.3	3028.2	2920.2	2864.5	2802.0	2761.5
30°	3978.6	3980.3	3875.6	3769.3	3659.5	3495.8	3382.7	3261.2	3170.0	3080.6	2991.1
32.5°	4962.7	4711.2	4517.0	4289.2	4051.2	3877.3	3737.2	3592.0	3465.4	3335.5	3186.9
35°	5563.6	5442.1	5190.5	4773.6	4533.9	4322.9	4167.6	3992.1	3836.8	3607.2	3381.0
37.5°	6242.2	5960.3	5654.7	5423.5	5151.7	4907.0	4647.0	4447.8	4179.4	3870.5	3549.8
40°	7233.0	6829.6	6461.6	6151.0	5799.9	5543.3	5253.0	4964.4	4608.2	4160.9	3720.3
42.5°	8267.7	7850.8	7364.7	6961.2	6547.7	6247.2	5887.7	5482.6	4959.3	4405.6	3867.2
45°	9353.1	8796.1	8213.7	7720.8	7290.4	6917.3	6471.7	5934.9	5296.9	4625.1	4003.9
47.5°	10423.3	9783.5	9089.8	8559.8	7999.3	7543.6	6996.7	6318.1	5560.2	4832.7	4140.6
50°	11366.9	10750.8	9915.2	9241.7	8674.5	8112.4	7430.5	6613.5	5767.8	5011.6	4263.8
52.5°	12180.5	11650.5	10771.0	9920.3	9267.0	8635.7	7779.9	6851.5	5977.1	5177.0	4365.1
55°	12778.0	12425.2	11615.0	10560.0	9788.6	9035.8	8075.3	7081.1	6174.6	5308.7	4431.0
57.5°	13228.7	13032.9	12337.5	11162.6	10268.0	9424.0	8380.8	7356.2	6370.4	5421.8	4461.3
60°	13475.2	13529.2	12884.4	11689.3	10691.7	9748.1	8686.4	7590.9	6515.6	5487.6	4444.5
62.5°	13451.5	13782.4	13294.5	12013.4	10938.1	9940.5	8892.3	7700.6	6495.4	5383.0	4290.8
63°	13406.0	13790.8	13340.1	12035.3	10953.3	9947.3	8897.4	7685.4	6453.2	5332.3	4230.1
65°	13012.7	13596.7	13301.3	11935.7	10818.3	9820.7	8791.0	7465.9	6156.1	5060.6	3917.8
67.5°	11959.4	12690.2	12605.8	11231.8	10178.5	9297.4	8247.5	6758.7	5421.8	4392.1	3320.3
70°	10219.0	10906.1	10921.2	9768.4	8888.9	8024.7	7152.0	5499.4	4297.6	3404.7	2476.3
72.5°	7832.2	8274.5	8428.1	7668.5	7079.4	6471.7	5688.5	3992.1	3063.7	2315.9	1612.0
75°	6064.9	5943.4	5941.7	5621.0	5381.3	5084.2	4223.3	2694.0	2012.1	1505.7	985.8
77.5°	5452.2	4912.0	4388.8	4003.9	3811.5	3711.9	2770.0	1623.8	1186.7	865.9	567.2
80°	4496.8	3700.1	2989.4	2574.2	2408.8	2523.5	1544.5	877.8	649.9	492.9	368.0
82.5°	3100.8	2574.2	1956.4	1620.5	1390.9	1455.0	790.0	449.0	300.5	275.1	227.9
85°	1615.4	1416.2	1195.1	1026.3	906.4	796.7	410.2	214.4	124.9	109.7	99.6
87.5°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1785.9	1784.2	1787.6	1789.3	1794.3	1797.7	1799.4	1796.0	1801.1	1806.1	1802.8
5°	1833.1	1845.0	1846.7	1851.7	1851.7	1861.8	1861.8	1861.8	1860.2	1861.8	1858.5
7.5°	1873.7	1888.9	1890.5	1897.3	1899.0	1910.8	1905.7	1909.1	1909.1	1900.7	1897.3
10°	1878.7	1893.9	1902.4	1910.8	1922.6	1937.8	1937.8	1946.2	1946.2	1939.5	1937.8
12.5°	1880.4	1892.2	1900.7	1912.5	1929.4	1951.3	1963.1	1974.9	1980.0	1978.3	1973.3
15°	1915.9	1915.9	1917.5	1927.7	1939.5	1966.5	1983.4	1996.9	2005.3	2001.9	1993.5
17.5°	2008.7	1995.2	1985.1	1968.2	1971.6	1985.1	1995.2	2007.0	2008.7	2005.3	1991.8
20°	2116.7	2099.8	2074.5	2047.5	2034.0	2023.9	2017.1	2017.1	2012.1	1995.2	1973.3
22.5°	2270.3	2248.4	2212.9	2172.4	2145.4	2113.4	2074.5	2037.4	1996.9	1956.4	1909.1
25°	2483.0	2452.6	2415.5	2353.0	2295.7	2228.1	2148.8	2066.1	1969.9	1885.5	1816.3
27.5°	2697.4	2629.9	2533.7	2447.6	2341.2	2240.0	2126.9	2025.6	1902.4	1801.1	1725.1
30°	2874.6	2746.3	2607.9	2471.2	2331.1	2194.4	2059.3	1937.8	1802.8	1699.8	1625.5
32.5°	3011.4	2834.1	2641.7	2462.8	2290.6	2123.5	1968.2	1833.1	1696.4	1590.1	1510.7
35°	3138.0	2891.5	2646.8	2425.6	2212.9	2039.1	1863.5	1716.7	1571.5	1460.1	1374.0
37.5°	3232.5	2918.5	2616.4	2356.4	2111.7	1917.5	1738.6	1588.4	1439.8	1318.3	1220.4
40°	3293.3	2901.6	2550.5	2256.8	1991.8	1787.6	1605.3	1450.0	1306.5	1173.1	1055.0
42.5°	3342.2	2879.7	2484.7	2165.7	1897.3	1674.5	1487.1	1320.0	1174.8	1029.7	899.7
45°	3414.8	2896.6	2456.0	2101.5	1812.9	1578.3	1372.3	1198.5	1046.5	904.8	779.8
47.5°	3485.7	2905.0	2413.8	2022.2	1706.5	1478.7	1269.4	1100.6	945.3	815.3	700.5
50°	3549.8	2900.0	2348.0	1920.9	1603.6	1379.1	1176.5	1007.7	854.1	734.3	626.2
52.5°	3580.2	2871.3	2267.0	1823.0	1520.9	1291.3	1085.4	921.6	769.7	656.6	557.0
55°	3576.8	2797.0	2160.6	1730.2	1429.7	1198.5	995.9	833.9	697.1	592.5	506.4
57.5°	3526.2	2682.2	2047.5	1627.2	1309.9	1083.7	891.3	734.3	619.5	531.7	459.1
60°	3419.9	2535.3	1899.0	1477.0	1159.6	941.9	761.3	626.2	533.4	465.9	418.6
62.5°	3220.7	2324.4	1713.3	1267.7	957.1	757.9	600.9	513.1	443.9	403.4	381.5
63°	3161.6	2267.0	1634.0	1217.0	909.8	715.7	567.2	476.0	425.4	389.9	369.7
65°	2867.9	1985.1	1367.3	982.4	707.3	552.0	455.8	386.5	356.2	341.0	339.3
67.5°	2322.7	1561.4	967.2	673.5	481.1	398.4	349.4	320.7	307.2	303.8	307.2
70°	1630.6	985.8	614.4	447.3	356.2	320.7	298.8	287.0	278.5	280.2	283.6
72.5°	1039.8	590.8	422.0	339.3	300.5	281.9	271.8	268.4	266.7	265.0	265.0
75°	592.5	393.3	324.1	293.7	273.5	258.3	249.8	246.4	248.1	249.8	246.4
77.5°	391.6	324.1	288.6	268.4	249.8	232.9	227.9	226.2	229.6	232.9	232.9
80°	308.9	288.6	268.4	248.1	217.7	205.9	209.3	211.0	209.3	211.0	205.9
82.5°	217.7	214.4	219.4	211.0	180.6	170.5	167.1	168.8	165.4	165.4	162.0
85°	101.3	101.3	106.3	106.3	103.0	104.7	113.1	123.2	128.3	123.2	116.5
87.5°	0.0	0.0	0.0	0.0	0.0	15.2	30.4	43.9	47.3	59.1	57.4
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: P152968

CATALOG NUMBER: TLM-E06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1797.7	1801.1	1799.4	1797.7	1801.1	1797.7	1799.4	1797.7	1797.7	1796.0	1796.0
5°	1855.1	1860.2	1850.0	1848.3	1845.0	1836.5	1836.5	1833.1	1833.1	1826.4	1821.3
7.5°	1892.2	1893.9	1885.5	1883.8	1875.3	1866.9	1860.2	1853.4	1851.7	1846.7	1836.5
10°	1927.7	1924.3	1917.5	1909.1	1900.7	1888.9	1880.4	1872.0	1870.3	1861.8	1850.0
12.5°	1958.1	1956.4	1942.9	1934.4	1920.9	1909.1	1899.0	1888.9	1883.8	1873.7	1856.8
15°	1978.3	1968.2	1951.3	1936.1	1920.9	1907.4	1895.6	1883.8	1878.7	1866.9	1850.0
17.5°	1969.9	1951.3	1929.4	1910.8	1890.5	1873.7	1863.5	1851.7	1843.3	1836.5	1812.9
20°	1939.5	1912.5	1878.7	1856.8	1829.8	1807.8	1801.1	1789.3	1782.5	1757.2	1726.8
22.5°	1860.2	1821.3	1779.1	1747.1	1716.7	1694.7	1677.9	1666.0	1649.2	1634.0	1586.7
25°	1760.6	1716.7	1672.8	1634.0	1593.5	1559.7	1529.3	1500.6	1492.2	1460.1	1414.5
27.5°	1664.4	1615.4	1571.5	1525.9	1473.6	1431.4	1379.1	1338.6	1311.6	1277.8	1235.6
30°	1561.4	1512.4	1453.4	1392.6	1331.8	1286.2	1227.2	1178.2	1144.5	1109.0	1070.2
32.5°	1431.4	1372.3	1301.4	1233.9	1178.2	1124.2	1065.1	1017.9	984.1	952.0	914.9
35°	1282.9	1205.2	1129.3	1055.0	995.9	950.3	898.0	862.6	838.9	810.2	771.4
37.5°	1112.4	1024.6	943.6	886.2	833.9	790.0	752.8	730.9	705.6	690.4	666.8
40°	940.2	854.1	774.8	722.5	678.6	653.2	633.0	627.9	611.0	590.8	575.6
42.5°	788.3	705.6	627.9	585.7	557.0	550.3	540.2	540.2	531.7	516.5	506.4
45°	685.3	599.2	531.7	501.3	486.1	484.5	479.4	479.4	477.7	470.9	459.1
47.5°	611.0	533.4	481.1	462.5	459.1	455.8	450.7	449.0	447.3	442.3	435.5
50°	543.5	477.7	443.9	435.5	437.2	432.1	427.1	422.0	420.3	415.2	408.5
52.5°	481.1	433.8	411.9	406.8	406.8	406.8	403.4	403.4	400.1	398.4	391.6
55°	445.6	410.2	398.4	396.7	395.0	393.3	389.9	389.9	386.5	384.9	376.4
57.5°	415.2	393.3	386.5	383.2	381.5	378.1	376.4	376.4	376.4	376.4	366.3
60°	391.6	381.5	379.8	376.4	374.7	368.0	364.6	362.9	364.6	366.3	356.2
62.5°	366.3	364.6	362.9	359.5	357.9	351.1	346.0	342.7	346.0	349.4	347.7
63°	359.5	357.9	357.9	356.2	354.5	346.0	341.0	337.6	341.0	344.3	344.3
65°	335.9	337.6	337.6	335.9	334.2	329.2	322.4	319.0	320.7	325.8	327.5
67.5°	310.6	312.3	310.6	312.3	310.6	307.2	302.1	298.8	297.1	298.8	300.5
70°	287.0	290.3	288.6	287.0	285.3	285.3	281.9	276.8	275.1	273.5	273.5
72.5°	266.7	266.7	263.3	263.3	261.6	261.6	258.3	253.2	251.5	251.5	248.1
75°	244.8	244.8	239.7	239.7	236.3	238.0	234.6	229.6	227.9	227.9	226.2
77.5°	231.3	226.2	217.7	216.1	214.4	214.4	212.7	207.6	205.9	205.9	204.2
80°	204.2	194.1	185.7	184.0	185.7	189.1	189.1	185.7	185.7	185.7	185.7
82.5°	158.7	155.3	150.2	146.9	146.9	151.9	158.7	162.0	165.4	168.8	168.8
85°	116.5	118.2	116.5	111.4	109.7	114.8	121.5	128.3	130.0	136.7	135.0
87.5°	62.5	64.1	59.1	57.4	62.5	65.8	72.6	74.3	77.6	79.3	81.0
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: P152968

CATALOG NUMBER: TLM-E06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1794.3	1792.6	1794.3	1790.9	1790.9	1787.6	1784.2	1782.5	1779.1	1777.4	1774.1
5°	1824.7	1819.6	1814.6	1812.9	1806.1	1799.4	1794.3	1785.9	1779.1	1767.3	1763.9
7.5°	1845.0	1833.1	1826.4	1824.7	1814.6	1809.5	1797.7	1787.6	1777.4	1762.3	1757.2
10°	1853.4	1841.6	1829.8	1824.7	1812.9	1804.5	1792.6	1777.4	1769.0	1753.8	1750.4
12.5°	1863.5	1841.6	1823.0	1809.5	1792.6	1774.1	1762.3	1753.8	1742.0	1733.6	1730.2
15°	1845.0	1816.3	1787.6	1762.3	1735.2	1715.0	1703.2	1689.7	1676.2	1671.1	1671.1
17.5°	1794.3	1757.2	1708.2	1676.2	1647.5	1625.5	1610.3	1596.8	1595.1	1588.4	1591.8
20°	1689.7	1640.7	1593.5	1569.8	1552.9	1539.4	1524.2	1517.5	1512.4	1502.3	1498.9
22.5°	1544.5	1504.0	1470.2	1453.4	1439.8	1423.0	1409.5	1389.2	1384.1	1374.0	1369.0
25°	1384.1	1352.1	1323.4	1311.6	1303.1	1279.5	1271.1	1244.0	1225.5	1213.7	1220.4
27.5°	1223.8	1200.2	1173.1	1158.0	1152.9	1130.9	1122.5	1092.1	1076.9	1076.9	1060.1
30°	1058.4	1036.4	1019.5	1002.7	999.3	972.3	950.3	938.5	921.6	914.9	903.1
32.5°	903.1	881.1	867.6	859.2	845.7	823.7	801.8	781.5	754.5	744.4	739.3
35°	759.6	742.7	725.8	719.1	700.5	676.9	649.9	633.0	600.9	589.1	584.0
37.5°	649.9	629.6	617.8	599.2	580.7	555.3	535.1	519.9	508.1	503.0	503.0
40°	562.1	546.9	533.4	518.2	503.0	489.5	479.4	476.0	474.3	474.3	477.7
42.5°	496.3	482.8	476.0	467.6	462.5	462.5	460.8	462.5	464.2	465.9	470.9
45°	452.4	443.9	440.6	438.9	442.3	445.6	447.3	450.7	457.4	460.8	462.5
47.5°	428.7	422.0	420.3	422.0	427.1	433.8	440.6	445.6	450.7	452.4	454.1
50°	405.1	396.7	393.3	396.7	403.4	413.6	418.6	427.1	430.4	433.8	430.4
52.5°	384.9	378.1	376.4	376.4	383.2	389.9	396.7	403.4	405.1	405.1	403.4
55°	368.0	362.9	357.9	361.2	366.3	373.0	383.2	388.2	391.6	393.3	393.3
57.5°	354.5	349.4	344.3	347.7	352.8	359.5	369.7	374.7	378.1	383.2	384.9
60°	344.3	337.6	332.5	337.6	342.7	352.8	361.2	366.3	374.7	376.4	376.4
62.5°	334.2	327.5	319.0	324.1	324.1	329.2	337.6	344.3	352.8	356.2	356.2
63°	332.5	325.8	317.3	320.7	320.7	324.1	330.8	337.6	347.7	351.1	349.4
65°	319.0	317.3	308.9	308.9	305.5	308.9	314.0	320.7	325.8	330.8	330.8
67.5°	297.1	295.4	293.7	293.7	293.7	297.1	300.5	305.5	310.6	314.0	312.3
70°	271.8	271.8	271.8	273.5	273.5	276.8	278.5	276.8	281.9	285.3	283.6
72.5°	249.8	248.1	246.4	249.8	248.1	248.1	251.5	249.8	254.9	254.9	256.6
75°	226.2	224.5	224.5	226.2	222.8	219.4	221.1	221.1	222.8	222.8	226.2
77.5°	205.9	205.9	205.9	204.2	200.9	199.2	197.5	197.5	197.5	197.5	199.2
80°	187.4	187.4	187.4	185.7	182.3	178.9	175.6	173.9	172.2	163.7	163.7
82.5°	168.8	168.8	168.8	168.8	167.1	163.7	158.7	145.2	138.4	131.7	133.4
85°	133.4	136.7	140.1	145.2	143.5	143.5	133.4	116.5	106.3	99.6	101.3
87.5°	86.1	76.0	76.0	74.3	70.9	67.5	67.5	57.4	47.3	42.2	43.9
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: P152968

CATALOG NUMBER: TLM-E06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1774.1	1770.7	1767.3	1767.3	1762.3	1762.3	1758.9	1765.6	1758.9	1753.8	1753.8
5°	1760.6	1757.2	1747.1	1745.4	1738.6	1738.6	1738.6	1735.2	1735.2	1731.9	1730.2
7.5°	1752.1	1743.7	1735.2	1730.2	1730.2	1726.8	1733.6	1730.2	1731.9	1731.9	1733.6
10°	1745.4	1738.6	1735.2	1733.6	1733.6	1738.6	1743.7	1745.4	1743.7	1745.4	1745.4
12.5°	1728.5	1731.9	1733.6	1740.3	1748.7	1758.9	1770.7	1772.4	1775.8	1775.8	1779.1
15°	1674.5	1682.9	1693.0	1709.9	1731.9	1753.8	1775.8	1794.3	1811.2	1819.6	1826.4
17.5°	1598.5	1607.0	1625.5	1644.1	1672.8	1704.9	1742.0	1774.1	1809.5	1841.6	1873.7
20°	1495.6	1509.1	1514.1	1547.9	1581.6	1625.5	1669.4	1720.1	1780.8	1841.6	1904.0
22.5°	1362.2	1377.4	1401.0	1428.0	1463.5	1517.5	1569.8	1649.2	1730.2	1816.3	1914.2
25°	1213.7	1230.5	1250.8	1279.5	1314.9	1372.3	1448.3	1532.7	1632.3	1745.4	1866.9
27.5°	1060.1	1076.9	1093.8	1114.1	1154.6	1215.3	1304.8	1392.6	1502.3	1625.5	1767.3
30°	906.4	908.1	918.3	943.6	985.8	1065.1	1130.9	1240.7	1355.4	1485.4	1649.2
32.5°	737.6	736.0	747.8	769.7	810.2	886.2	967.2	1073.6	1186.7	1350.4	1519.2
35°	587.4	587.4	609.4	631.3	676.9	730.9	801.8	896.3	1029.7	1181.6	1350.4
37.5°	508.1	519.9	533.4	555.3	590.8	633.0	695.4	778.2	882.8	1028.0	1183.3
40°	482.8	489.5	501.3	521.6	552.0	590.8	636.4	698.8	779.8	896.3	1038.1
42.5°	472.6	474.3	481.1	496.3	523.3	562.1	609.4	665.1	725.8	808.5	931.8
45°	462.5	460.8	464.2	476.0	498.0	541.8	595.9	656.6	717.4	786.6	887.9
47.5°	454.1	454.1	454.1	459.1	479.4	523.3	585.7	656.6	729.2	806.9	906.4
50°	430.4	428.7	428.7	432.1	447.3	494.6	568.8	654.9	749.5	850.7	963.8
52.5°	403.4	403.4	405.1	406.8	420.3	467.6	550.3	654.9	773.1	908.1	1049.9
55°	395.0	396.7	398.4	396.7	406.8	447.3	530.0	644.8	783.2	953.7	1142.8
57.5°	388.2	391.6	391.6	389.9	396.7	430.4	509.8	624.6	774.8	970.6	1208.6
60°	378.1	378.1	378.1	373.0	376.4	406.8	479.4	592.5	747.8	955.4	1218.7
62.5°	356.2	356.2	352.8	351.1	349.4	373.0	438.9	545.2	698.8	914.9	1193.4
63°	351.1	349.4	349.4	344.3	344.3	366.3	430.4	538.5	685.3	904.8	1183.3
65°	332.5	332.5	332.5	329.2	327.5	344.3	396.7	491.2	633.0	857.5	1132.6
67.5°	312.3	314.0	310.6	308.9	307.2	317.3	357.9	432.1	552.0	757.9	1038.1
70°	283.6	285.3	285.3	283.6	281.9	288.6	314.0	371.4	457.4	631.3	884.5
72.5°	258.3	261.6	261.6	265.0	265.0	270.1	280.2	308.9	366.3	492.9	695.4
75°	231.3	232.9	236.3	239.7	236.3	234.6	236.3	258.3	287.0	364.6	496.3
77.5°	207.6	212.7	212.7	211.0	205.9	202.6	202.6	212.7	236.3	276.8	354.5
80°	172.2	180.6	182.3	177.2	172.2	172.2	175.6	182.3	197.5	227.9	268.4
82.5°	138.4	146.9	148.5	150.2	148.5	153.6	153.6	155.3	163.7	187.4	219.4
85°	106.3	113.1	118.2	119.8	121.5	123.2	121.5	113.1	118.2	133.4	148.5
87.5°	47.3	49.0	45.6	47.3	45.6	47.3	49.0	40.5	38.8	52.3	54.0
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: P152968

CATALOG NUMBER: TLM-E06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1752.1	1752.1	1753.8	1750.4	1750.4	1752.1	1747.1
5°	1725.1	1731.9	1731.9	1731.9	1728.5	1731.9	1733.6
7.5°	1731.9	1736.9	1740.3	1740.3	1738.6	1745.4	1750.4
10°	1740.3	1748.7	1752.1	1752.1	1752.1	1760.6	1772.4
12.5°	1772.4	1779.1	1784.2	1784.2	1787.6	1797.7	1811.2
15°	1831.5	1839.9	1839.9	1838.2	1848.3	1860.2	1875.3
17.5°	1897.3	1920.9	1932.7	1931.1	1939.5	1954.7	1971.6
20°	1959.7	2025.6	2054.3	2074.5	2083.0	2103.2	2108.3
22.5°	2012.1	2121.8	2201.1	2268.6	2300.7	2321.0	2344.6
25°	1993.5	2142.0	2283.8	2422.3	2520.2	2619.7	2661.9
27.5°	1917.5	2103.2	2288.9	2491.5	2668.7	2845.9	2974.2
30°	1824.7	2047.5	2297.3	2584.3	2864.5	3136.3	3352.3
32.5°	1718.4	1995.2	2315.9	2670.4	3038.4	3394.5	3706.8
35°	1585.0	1895.6	2270.3	2678.8	3112.6	3544.8	3949.9
37.5°	1416.2	1760.6	2164.0	2618.1	3116.0	3610.6	4095.0
40°	1247.4	1590.1	2029.0	2530.3	3072.1	3625.8	4186.2
42.5°	1129.3	1438.2	1892.2	2418.9	3001.2	3602.2	4230.1
45°	1048.2	1328.4	1770.7	2317.6	2925.3	3560.0	4236.8
47.5°	1041.5	1281.2	1691.4	2243.3	2864.5	3522.8	4236.8
50°	1098.9	1306.5	1664.4	2206.2	2839.2	3511.0	4240.2
52.5°	1206.9	1407.8	1713.3	2234.9	2859.4	3526.2	4255.4
55°	1336.9	1561.4	1845.0	2334.5	2945.5	3576.8	4289.2
57.5°	1455.0	1738.6	2069.5	2526.9	3102.5	3705.1	4383.7
60°	1524.2	1890.5	2307.5	2797.0	3370.9	3960.0	4572.7
62.5°	1532.7	1974.9	2518.5	3090.7	3696.7	4252.0	4874.9
63°	1525.9	1981.7	2545.5	3146.4	3765.9	4324.6	4979.5
65°	1488.8	1983.4	2621.4	3342.2	4005.6	4630.1	5271.6
67.5°	1394.3	1929.4	2648.4	3495.8	4307.7	5031.9	5816.8
70°	1230.5	1775.8	2569.1	3499.2	4424.2	5256.4	6161.1
72.5°	989.2	1483.7	2226.4	3183.5	4117.0	5035.2	6071.7
75°	724.1	1090.4	1682.9	2466.1	3359.1	4191.3	5200.7
77.5°	481.1	705.6	1134.3	1757.2	2408.8	3016.4	3743.9
80°	330.8	437.2	663.4	1056.7	1473.6	1769.0	2385.1
82.5°	243.1	288.6	368.0	540.2	709.0	872.7	1245.7
85°	151.9	165.4	184.0	266.7	381.5	514.8	776.5
87.5°	40.5	42.2	38.8	52.3	82.7	79.3	87.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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