

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: P153541

Luminaire Tested: **TLM-E06-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153541
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-SLR-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

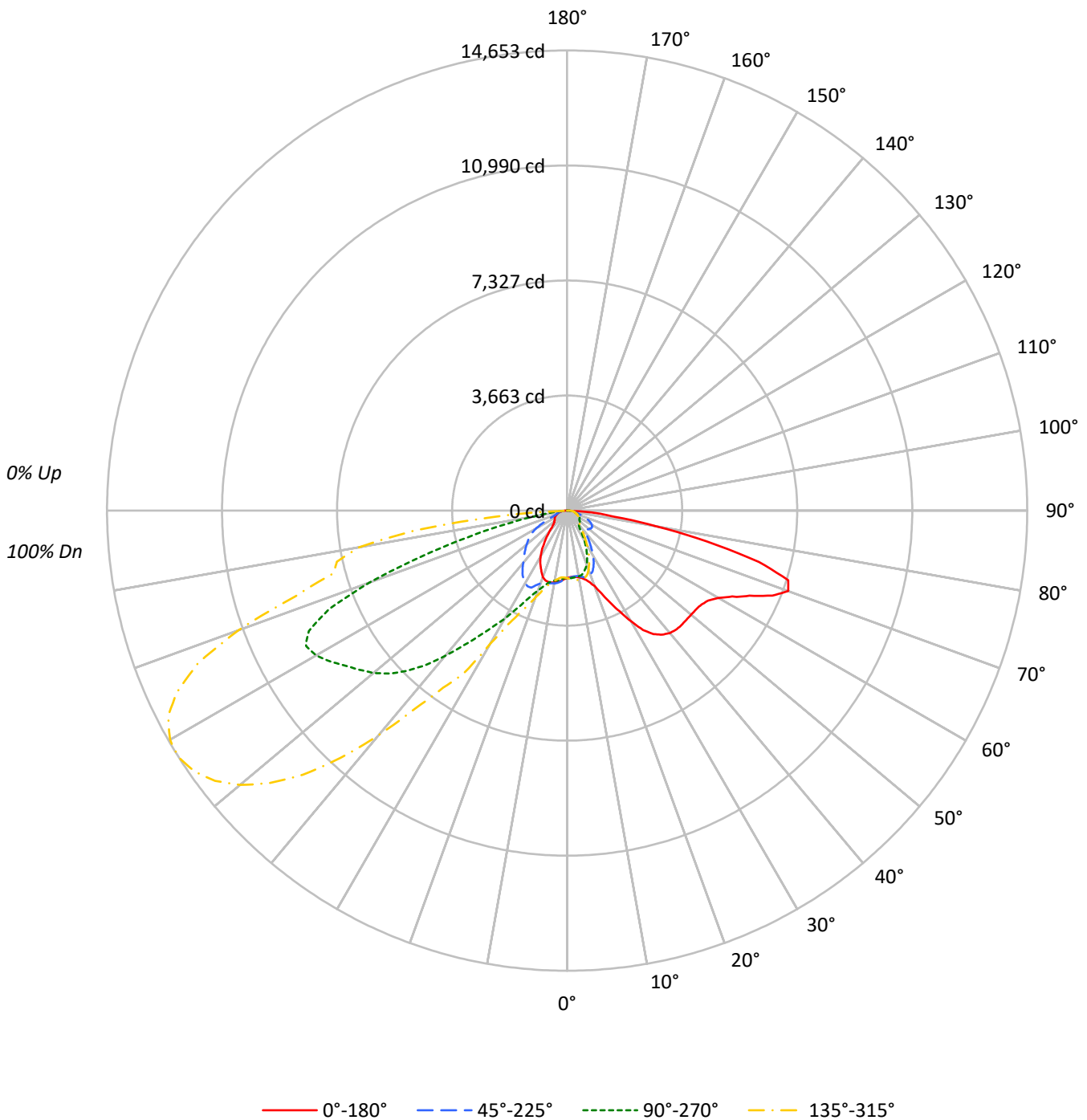
Lumens per Lamp: N/A
Luminaire Lumens: 17130.5 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

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°	23173	23173	23173	23173
5°	22773	23172	24281	23771
10°	23552	23260	25370	24718
15°	25407	22641	26231	26711
20°	29361	20875	25858	31007
25°	38436	17621	23593	37973
30°	50657	13646	21044	49280
35°	63102	9331	16854	63777
40°	71514	8161	12341	84808
45°	78411	8560	9278	109839
50°	86327	8763	8867	134645
55°	97861	8974	9051	161559
60°	119682	9851	9851	198676
65°	163237	10244	10402	231185
70°	235741	10851	10980	210422
75°	262960	11437	12119	136215
80°	179750	12342	13866	66146
85°	116586	15203	16722	32185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	1.2
10°-20°	652.7	3.8
20°-30°	1159.5	6.8
30°-40°	1825.9	10.7
40°-50°	2687.1	15.7
50°-60°	3569.3	20.8
60°-70°	3931.6	23.0
70°-80°	2466.7	14.4
80°-90°	628.2	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°	2021.7	11.8
0°-40°	3847.6	22.5
0°-60°	10104.0	59.0
0°-90°	17130.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17130.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2153	2153	2153	2153	2153	
5°	2108	2145	2247	2200	2108	203
15°	2280	2032	2354	2397	2280	660
25°	3236	1484	1986	3197	3236	1527
35°	4802	710	1283	4854	4802	2976
45°	5151	562	610	7216	5151	3983
55°	5215	478	482	8609	5215	4730
65°	6409	402	408	9077	6409	6452
75°	6323	275	291	3275	6323	6183
85°	944	123	135	261	944	1091
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°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2124.0	2130.2	2128.1	2128.1	2132.2	2130.2	2130.2	2132.2	2132.2	2138.4	2146.6
5°	2107.6	2105.6	2101.5	2105.6	2105.6	2105.6	2097.4	2103.5	2105.6	2109.7	2109.7
7.5°	2128.1	2122.0	2113.8	2115.8	2115.8	2111.7	2105.6	2107.6	2105.6	2105.6	2103.5
10°	2154.8	2140.5	2130.2	2130.2	2130.2	2126.1	2115.8	2122.0	2122.0	2119.9	2122.0
12.5°	2202.0	2185.6	2173.3	2169.2	2169.2	2163.0	2154.8	2163.0	2158.9	2158.9	2154.8
15°	2280.0	2261.5	2247.2	2234.9	2236.9	2236.9	2226.6	2220.5	2212.3	2202.0	2181.5
17.5°	2397.0	2376.5	2358.0	2347.7	2349.8	2335.4	2306.7	2278.0	2239.0	2200.0	2156.9
20°	2563.2	2557.1	2532.4	2522.2	2497.5	2462.7	2382.6	2314.9	2239.0	2165.1	2091.2
22.5°	2850.5	2821.8	2797.2	2758.2	2676.1	2579.6	2446.2	2327.2	2208.2	2103.5	2005.0
25°	3236.3	3185.0	3064.0	2944.9	2776.6	2604.3	2423.7	2269.7	2122.0	1984.5	1863.4
27.5°	3616.0	3460.0	3244.5	3029.1	2782.8	2557.1	2331.3	2148.7	1976.3	1826.5	1693.1
30°	4075.7	3813.0	3482.6	3141.9	2793.1	2489.3	2218.4	2005.0	1805.9	1647.9	1508.4
32.5°	4506.7	4127.0	3694.0	3246.6	2815.6	2425.7	2089.2	1847.0	1641.8	1442.7	1305.2
35°	4802.2	4309.6	3784.3	3256.9	2760.2	2304.6	1927.0	1641.8	1436.5	1251.8	1089.7
37.5°	4978.7	4389.7	3788.4	3183.0	2630.9	2140.5	1721.8	1438.6	1249.8	1073.3	946.1
40°	5089.5	4408.1	3735.0	3076.3	2466.8	1933.2	1516.6	1262.1	1089.7	948.1	849.6
42.5°	5142.8	4379.4	3648.8	2940.8	2300.5	1748.5	1372.9	1132.8	983.0	882.5	808.6
45°	5151.0	4328.1	3556.5	2817.7	2152.8	1615.1	1274.4	1079.5	956.3	872.2	798.3
47.5°	5151.0	4283.0	3482.6	2727.4	2056.3	1557.6	1266.2	1102.0	981.0	886.6	798.3
50°	5155.2	4268.6	3451.8	2682.2	2023.5	1588.4	1336.0	1171.8	1034.3	911.2	796.3
52.5°	5173.6	4287.1	3476.4	2717.1	2083.0	1711.5	1467.3	1276.5	1104.1	939.9	796.3
55°	5214.7	4348.6	3581.1	2838.2	2243.1	1898.3	1625.4	1389.3	1159.5	952.2	783.9
57.5°	5329.6	4504.6	3772.0	3072.2	2516.0	2113.8	1769.0	1469.4	1180.0	942.0	759.3
60°	5559.4	4814.5	4098.3	3400.5	2805.4	2298.5	1853.1	1481.7	1161.6	909.1	720.3
62.5°	5926.8	5169.5	4494.3	3757.6	3061.9	2401.1	1863.4	1450.9	1112.3	849.6	662.9
63°	6054.0	5257.8	4578.5	3825.3	3094.7	2409.3	1855.2	1438.6	1100.0	833.2	654.7
65°	6409.1	5629.2	4869.9	4063.4	3187.1	2411.3	1810.0	1377.0	1042.5	769.6	597.2
67.5°	7071.9	6117.6	5237.2	4250.1	3219.9	2345.7	1695.1	1262.1	921.4	671.1	525.4
70°	7490.6	6390.6	5378.8	4254.2	3123.5	2158.9	1496.1	1075.4	767.5	556.1	451.5
72.5°	7381.8	6121.7	5005.3	3870.5	2706.9	1803.9	1202.6	845.5	599.2	445.3	375.6
75°	6322.9	5095.6	4083.9	2998.3	2046.1	1325.7	880.4	603.4	443.3	348.9	314.0
77.5°	4551.8	3667.3	2928.5	2136.4	1379.1	857.8	584.9	431.0	336.6	287.3	258.6
80°	2899.8	2150.7	1791.6	1284.7	806.5	531.5	402.2	326.3	277.0	240.1	221.6
82.5°	1514.5	1061.0	861.9	656.7	447.4	350.9	295.5	266.8	227.8	199.1	188.8
85°	944.0	625.9	463.8	324.2	223.7	201.1	184.7	180.6	162.1	143.7	137.5
87.5°	106.7	96.5	100.6	63.6	47.2	51.3	49.3	65.7	63.6	47.2	49.3
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°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2138.4	2142.5	2142.5	2148.7	2148.7	2152.8	2156.9	2156.9	2161.0	2163.0	2167.1
5°	2113.8	2113.8	2113.8	2122.0	2124.0	2136.4	2140.5	2144.6	2148.7	2163.0	2171.2
7.5°	2107.6	2099.4	2103.5	2103.5	2109.7	2119.9	2130.2	2136.4	2142.5	2161.0	2173.3
10°	2119.9	2113.8	2107.6	2107.6	2109.7	2113.8	2122.0	2128.1	2132.2	2150.7	2161.0
12.5°	2152.8	2138.4	2126.1	2115.8	2107.6	2105.6	2101.5	2103.5	2107.6	2117.9	2132.2
15°	2158.9	2132.2	2105.6	2078.9	2058.4	2046.1	2035.8	2031.7	2031.7	2037.8	2054.3
17.5°	2117.9	2072.7	2033.7	1998.9	1976.3	1953.7	1943.4	1935.2	1931.1	1939.3	1941.4
20°	2029.6	1976.3	1922.9	1881.9	1840.8	1834.7	1818.3	1822.4	1826.5	1838.8	1844.9
22.5°	1908.6	1844.9	1779.3	1736.2	1703.3	1674.6	1656.1	1664.3	1670.5	1682.8	1689.0
25°	1760.8	1668.4	1598.7	1555.6	1520.7	1496.1	1475.5	1483.7	1475.5	1489.9	1512.5
27.5°	1586.4	1477.6	1403.7	1354.5	1329.8	1309.3	1288.8	1288.8	1309.3	1309.3	1327.8
30°	1375.0	1294.9	1198.5	1147.2	1116.4	1104.1	1102.0	1097.9	1112.3	1120.5	1141.0
32.5°	1175.9	1077.4	985.1	935.8	909.1	894.8	896.8	898.9	905.0	917.3	950.2
35°	974.8	888.6	822.9	767.5	740.8	714.2	714.2	710.1	716.2	730.6	769.6
37.5°	845.5	769.6	718.3	675.2	648.5	632.1	617.7	611.6	611.6	617.7	632.1
40°	773.7	718.3	671.1	634.1	609.5	595.1	586.9	580.8	576.7	576.7	578.7
42.5°	740.8	683.4	636.2	603.4	584.9	576.7	574.6	572.6	566.4	564.4	562.3
45°	724.4	658.8	605.4	578.7	564.4	560.3	562.3	562.3	560.3	556.1	547.9
47.5°	712.1	636.2	582.8	558.2	552.0	552.0	552.0	552.0	550.0	547.9	541.8
50°	691.6	601.3	543.8	525.4	521.3	521.3	523.3	523.3	527.4	523.3	519.2
52.5°	669.0	568.5	511.0	494.6	492.5	490.5	490.5	490.5	492.5	492.5	490.5
55°	644.4	543.8	494.6	482.3	484.3	482.3	480.2	478.2	478.2	476.1	472.0
57.5°	619.8	523.3	482.3	474.1	476.1	476.1	472.0	467.9	465.9	459.7	455.6
60°	582.8	494.6	457.6	453.5	459.7	459.7	459.7	457.6	457.6	455.6	445.3
62.5°	533.6	453.5	424.8	426.9	428.9	433.0	433.0	433.0	433.0	428.9	418.7
63°	523.3	445.3	418.7	418.7	424.8	424.8	426.9	424.8	426.9	422.8	410.4
65°	482.3	418.7	398.1	400.2	404.3	404.3	404.3	402.2	402.2	396.1	389.9
67.5°	435.1	385.8	373.5	375.6	377.6	381.7	379.7	379.7	381.7	377.6	371.5
70°	381.7	350.9	342.7	344.8	346.8	346.8	344.8	344.8	346.8	342.7	336.6
72.5°	340.7	328.4	322.2	322.2	318.1	318.1	314.0	311.9	309.9	309.9	303.7
75°	287.3	285.3	287.3	291.4	287.3	283.2	281.2	275.0	270.9	270.9	268.8
77.5°	246.3	246.3	250.4	256.5	258.6	258.6	252.4	242.2	240.1	240.1	240.1
80°	213.4	209.3	209.3	215.5	221.6	219.6	209.3	199.1	199.1	209.3	211.4
82.5°	186.8	186.8	180.6	182.6	180.6	178.5	168.3	162.1	160.1	168.3	176.5
85°	147.8	149.8	147.8	145.7	143.7	137.5	129.3	123.1	121.1	129.3	141.6
87.5°	59.5	57.5	55.4	57.5	55.4	59.5	57.5	53.4	51.3	57.5	69.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2169.2	2173.3	2177.4	2177.4	2181.5	2179.4	2181.5	2183.6	2183.6	2185.6	2185.6
5°	2181.5	2187.7	2195.9	2204.1	2206.1	2212.3	2218.4	2214.3	2220.5	2228.7	2228.7
7.5°	2185.6	2200.0	2206.1	2218.4	2220.5	2228.7	2243.1	2232.8	2245.1	2251.3	2253.3
10°	2179.4	2193.8	2204.1	2218.4	2224.6	2239.0	2253.3	2249.2	2263.6	2273.8	2275.9
12.5°	2142.5	2156.9	2179.4	2200.0	2216.4	2239.0	2265.6	2257.4	2278.0	2290.3	2296.4
15°	2070.7	2085.0	2109.7	2142.5	2173.3	2208.2	2243.1	2249.2	2269.7	2284.1	2290.3
17.5°	1957.8	1976.3	2003.0	2037.8	2076.8	2136.4	2181.5	2204.1	2232.8	2241.0	2251.3
20°	1853.1	1871.6	1888.0	1908.6	1937.3	1994.7	2054.3	2099.4	2136.4	2167.1	2175.3
22.5°	1713.6	1730.0	1750.5	1767.0	1787.5	1828.5	1877.8	1929.1	1986.5	2005.0	2025.5
25°	1545.3	1555.6	1584.3	1594.6	1608.9	1643.8	1682.8	1719.8	1775.2	1814.2	1824.4
27.5°	1364.7	1375.0	1401.7	1407.8	1426.3	1459.1	1487.9	1502.2	1553.5	1594.6	1627.4
30°	1155.4	1182.1	1214.9	1219.0	1239.5	1260.1	1286.7	1301.1	1348.3	1391.4	1432.4
32.5°	974.8	1001.5	1028.2	1044.6	1054.8	1071.3	1097.9	1112.3	1157.4	1196.4	1237.5
35°	790.1	822.9	851.7	874.2	882.5	903.0	923.5	937.9	985.1	1019.9	1048.7
37.5°	650.6	675.2	706.0	728.5	751.1	765.5	790.1	810.6	839.4	857.8	888.6
40°	582.8	595.1	611.6	630.0	648.5	664.9	683.4	699.8	718.3	742.9	763.4
42.5°	560.3	562.3	562.3	568.5	578.7	586.9	603.4	615.7	628.0	646.4	656.7
45°	543.8	541.8	537.7	533.6	535.6	539.7	550.0	558.2	572.6	580.8	582.8
47.5°	535.6	527.4	519.2	513.1	511.0	513.1	521.3	529.5	537.7	543.8	545.9
50°	508.9	502.8	490.5	482.3	478.2	482.3	492.5	496.6	504.8	511.0	513.1
52.5°	482.3	474.1	465.9	457.6	457.6	459.7	467.9	476.1	484.3	486.4	490.5
55°	465.9	453.5	445.3	439.2	435.1	441.2	447.4	457.6	467.9	470.0	474.1
57.5°	449.4	437.1	428.9	422.8	418.7	424.8	431.0	445.3	457.6	457.6	457.6
60°	439.2	428.9	416.6	410.4	404.3	410.4	418.7	433.0	445.3	443.3	441.2
62.5°	410.4	400.2	394.0	394.0	387.9	398.1	406.3	422.8	424.8	420.7	416.6
63°	402.2	394.0	389.9	389.9	385.8	396.1	404.3	418.7	418.7	414.5	410.4
65°	381.7	375.6	371.5	375.6	375.6	385.8	387.9	398.1	396.1	389.9	387.9
67.5°	365.3	361.2	357.1	357.1	357.1	359.1	361.2	365.3	363.2	361.2	363.2
70°	338.6	336.6	332.5	332.5	330.4	330.4	330.4	332.5	332.5	334.5	336.6
72.5°	305.8	301.7	301.7	303.7	299.6	301.7	303.7	301.7	305.8	305.8	307.8
75°	268.8	266.8	270.9	275.0	272.9	272.9	275.0	275.0	277.0	277.0	279.1
77.5°	240.1	242.2	244.2	248.3	250.4	250.4	250.4	248.3	250.4	250.4	252.4
80°	213.4	217.5	221.6	225.7	227.8	227.8	227.8	225.7	225.7	225.7	225.7
82.5°	192.9	199.1	203.2	205.2	205.2	205.2	205.2	205.2	205.2	201.1	197.0
85°	162.1	174.4	174.4	176.5	170.3	166.2	162.1	164.2	166.2	158.0	156.0
87.5°	82.1	82.1	86.2	90.3	92.3	92.3	104.7	98.5	96.5	94.4	90.3
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: P153541

CATALOG NUMBER: TLM-E06-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2187.7	2185.6	2189.7	2185.6	2187.7	2189.7	2185.6	2191.8	2195.9	2189.7	2183.6
5°	2232.8	2232.8	2243.1	2247.2	2249.2	2261.5	2255.4	2259.5	2263.6	2261.5	2263.6
7.5°	2261.5	2269.7	2280.0	2290.3	2292.3	2302.6	2300.5	2306.7	2310.8	2321.1	2321.1
10°	2286.2	2296.4	2310.8	2321.1	2331.3	2339.5	2343.6	2355.9	2358.0	2366.2	2366.2
12.5°	2308.7	2321.1	2335.4	2351.8	2362.1	2378.5	2380.6	2399.0	2405.2	2407.2	2401.1
15°	2304.6	2319.0	2335.4	2353.9	2372.4	2392.9	2405.2	2423.7	2433.9	2438.0	2427.8
17.5°	2265.6	2278.0	2298.5	2323.1	2345.7	2372.4	2394.9	2421.6	2438.0	2442.1	2440.1
20°	2189.7	2197.9	2224.6	2257.4	2284.1	2325.2	2358.0	2399.0	2425.7	2446.2	2452.4
22.5°	2039.9	2060.4	2087.1	2124.0	2163.0	2214.3	2261.5	2321.1	2378.5	2427.8	2477.0
25°	1859.3	1896.2	1937.3	1986.5	2033.7	2087.1	2140.5	2208.2	2292.3	2394.9	2511.9
27.5°	1676.7	1740.3	1791.6	1855.2	1910.6	1964.0	2023.5	2097.4	2189.7	2312.8	2462.7
30°	1492.0	1563.8	1619.2	1693.1	1767.0	1838.8	1898.3	1976.3	2066.6	2191.8	2355.9
32.5°	1294.9	1366.8	1432.4	1500.2	1582.3	1668.4	1740.3	1836.7	1933.2	2062.5	2228.7
35°	1091.8	1155.4	1210.8	1282.6	1372.9	1465.3	1559.7	1670.5	1775.2	1910.6	2087.1
37.5°	915.3	960.4	1013.8	1077.4	1147.2	1245.7	1352.4	1483.7	1602.8	1750.5	1931.1
40°	769.6	794.2	825.0	878.3	942.0	1038.4	1143.1	1282.6	1426.3	1588.4	1762.8
42.5°	656.7	669.0	677.2	712.1	763.4	857.8	958.4	1093.8	1251.8	1428.3	1604.8
45°	582.8	589.0	591.0	609.5	646.4	728.5	833.2	948.1	1100.0	1272.4	1457.1
47.5°	547.9	554.1	558.2	562.3	584.9	648.5	742.9	851.7	991.2	1149.2	1338.0
50°	519.2	525.4	531.5	529.5	539.7	580.8	660.8	761.4	892.7	1038.4	1225.2
52.5°	490.5	494.6	494.6	494.6	500.7	527.4	584.9	677.2	798.3	935.8	1120.5
55°	474.1	478.2	480.2	482.3	484.3	498.7	541.8	615.7	720.3	847.6	1013.8
57.5°	457.6	459.7	463.8	465.9	470.0	478.2	504.8	558.2	646.4	753.2	892.7
60°	443.3	447.4	455.6	457.6	461.7	463.8	476.1	508.9	566.4	648.5	761.4
62.5°	420.7	426.9	435.1	437.1	441.2	443.3	445.3	463.8	490.5	539.7	623.9
63°	414.5	420.7	431.0	433.0	435.1	435.1	437.1	449.4	474.1	517.2	578.7
65°	392.0	400.2	406.3	408.4	410.4	410.4	408.4	412.5	414.5	433.0	470.0
67.5°	367.3	373.5	377.6	379.7	377.6	379.7	377.6	373.5	369.4	373.5	389.9
70°	342.7	346.8	346.8	348.9	350.9	353.0	348.9	344.8	340.7	338.6	348.9
72.5°	314.0	318.1	318.1	320.1	320.1	324.2	324.2	322.2	322.2	324.2	326.3
75°	285.3	289.4	287.3	291.4	291.4	297.6	297.6	299.6	303.7	301.7	299.6
77.5°	258.6	260.6	260.6	262.7	264.7	275.0	281.2	283.2	283.2	279.1	275.0
80°	229.8	229.8	225.7	223.7	225.7	236.0	248.3	250.4	256.5	254.5	256.5
82.5°	192.9	184.7	178.5	178.5	182.6	188.8	192.9	197.0	201.1	201.1	205.2
85°	147.8	139.6	133.4	135.4	141.6	143.7	141.6	141.6	149.8	156.0	149.8
87.5°	88.2	80.0	75.9	69.8	71.8	78.0	75.9	69.8	71.8	57.5	53.4
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: P153541

CATALOG NUMBER: TLM-E06-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2187.7	2185.6	2181.5	2175.3	2173.3	2169.2	2171.2	2165.1	2161.0	2156.9	2150.7
5°	2263.6	2263.6	2251.3	2251.3	2245.1	2243.1	2228.7	2222.5	2210.2	2214.3	2200.0
7.5°	2316.9	2323.1	2308.7	2306.7	2298.5	2296.4	2278.0	2271.8	2261.5	2257.4	2245.1
10°	2355.9	2355.9	2337.5	2323.1	2312.8	2302.6	2284.1	2275.9	2267.7	2269.7	2261.5
12.5°	2386.7	2372.4	2345.7	2325.2	2310.8	2300.5	2286.2	2280.0	2278.0	2292.3	2294.4
15°	2411.3	2390.8	2358.0	2343.6	2331.3	2329.3	2329.3	2335.4	2349.8	2376.5	2397.0
17.5°	2425.7	2413.4	2397.0	2392.9	2413.4	2425.7	2442.1	2460.6	2481.1	2518.1	2540.6
20°	2452.4	2460.6	2472.9	2489.3	2522.2	2553.0	2573.5	2600.2	2624.8	2669.9	2706.9
22.5°	2522.2	2569.4	2608.4	2641.2	2690.4	2733.5	2760.2	2797.2	2815.6	2846.4	2903.9
25°	2612.5	2708.9	2791.0	2860.8	2936.7	2981.9	3018.8	3066.0	3094.7	3146.0	3197.3
27.5°	2585.8	2723.3	2846.4	2975.7	3080.4	3197.3	3279.4	3357.4	3406.7	3482.6	3550.3
30°	2503.7	2667.9	2834.1	3004.4	3170.7	3338.9	3494.9	3636.5	3745.3	3854.1	3964.9
32.5°	2392.9	2581.7	2784.9	2994.2	3211.7	3445.7	3661.1	3874.6	4055.2	4213.2	4367.1
35°	2265.6	2479.1	2690.4	2949.0	3217.9	3515.4	3815.1	4110.6	4385.6	4664.7	4853.5
37.5°	2113.8	2331.3	2567.3	2864.9	3180.9	3548.3	3930.0	4315.8	4705.7	5081.3	5407.6
40°	1951.7	2173.3	2421.6	2743.8	3100.9	3527.8	4003.9	4523.1	5058.7	5602.5	6035.6
42.5°	1808.0	2035.8	2306.7	2633.0	3020.9	3501.1	4063.4	4701.6	5356.3	6029.4	6665.6
45°	1668.4	1918.8	2204.1	2555.0	2986.0	3521.6	4151.6	4867.8	5623.1	6439.8	7215.6
47.5°	1543.3	1797.7	2074.8	2458.5	2934.7	3531.9	4237.8	5034.1	5875.5	6760.0	7681.4
50°	1430.4	1676.7	1949.6	2335.4	2854.6	3525.7	4315.8	5183.9	6093.0	7012.4	8040.6
52.5°	1319.6	1569.9	1849.0	2216.4	2756.1	3490.8	4352.7	5307.0	6294.1	7266.9	8329.9
55°	1210.8	1457.1	1738.2	2103.5	2626.8	3400.5	4348.6	5387.1	6454.2	7507.0	8609.0
57.5°	1083.6	1317.5	1592.5	1978.3	2489.3	3261.0	4287.1	5424.0	6591.7	7745.0	8943.5
60°	925.5	1145.1	1409.9	1795.7	2308.7	3082.4	4157.8	5403.5	6671.7	7921.5	9228.8
62.5°	730.6	921.4	1163.6	1541.2	2083.0	2825.9	3915.6	5216.7	6544.5	7896.9	9362.2
63°	689.5	870.1	1106.1	1479.6	1986.5	2756.1	3843.8	5142.8	6482.9	7845.6	9343.7
65°	554.1	671.1	859.9	1194.4	1662.3	2413.4	3486.7	4763.2	6152.5	7484.4	9076.9
67.5°	424.8	484.3	584.9	818.8	1175.9	1898.3	2823.8	4036.7	5339.9	6591.7	8217.1
70°	363.2	389.9	433.0	543.8	747.0	1198.5	1982.4	3010.6	4139.3	5224.9	6686.1
72.5°	330.4	342.7	365.3	412.5	513.1	718.3	1264.2	1959.9	2815.6	3724.8	4853.5
75°	303.7	314.0	332.5	357.1	394.0	478.2	720.3	1198.5	1830.6	2446.2	3275.3
77.5°	277.0	283.2	303.7	326.3	350.9	394.0	476.1	689.5	1052.8	1442.7	1974.2
80°	254.5	250.4	264.7	301.7	326.3	350.9	375.6	447.4	599.2	790.1	1067.1
82.5°	203.2	207.3	219.6	256.5	266.8	260.6	264.7	277.0	334.5	365.3	545.9
85°	137.5	127.2	125.2	129.3	129.3	123.1	123.1	121.1	133.4	151.9	260.6
87.5°	36.9	18.5	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



TEST NUMBER: P153541

CATALOG NUMBER: TLM-E06-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2146.6	2144.6	2146.6	2136.4	2136.4	2134.3	2132.2	2128.1	2128.1	2119.9	2126.1
5°	2187.7	2183.6	2175.3	2163.0	2156.9	2148.7	2148.7	2140.5	2134.3	2126.1	2128.1
7.5°	2234.9	2236.9	2222.5	2212.3	2208.2	2200.0	2202.0	2189.7	2191.8	2185.6	2181.5
10°	2261.5	2261.5	2265.6	2263.6	2267.7	2267.7	2273.8	2265.6	2261.5	2255.4	2255.4
12.5°	2304.6	2312.8	2329.3	2329.3	2341.6	2345.7	2347.7	2351.8	2343.6	2339.5	2325.2
15°	2411.3	2431.9	2446.2	2466.8	2491.4	2499.6	2499.6	2491.4	2487.3	2481.1	2454.4
17.5°	2587.8	2633.0	2645.3	2678.1	2682.2	2692.5	2721.2	2704.8	2694.6	2651.5	2643.2
20°	2768.4	2825.9	2883.4	2924.4	2944.9	2986.0	2992.1	2983.9	2942.9	2901.8	2883.4
22.5°	2986.0	3072.2	3137.8	3201.4	3232.2	3252.8	3297.9	3287.6	3254.8	3193.2	3168.6
25°	3293.8	3400.5	3470.3	3548.3	3589.3	3609.8	3655.0	3655.0	3620.1	3601.6	3599.6
27.5°	3681.7	3813.0	3927.9	3954.6	4061.3	4086.0	4129.0	4129.0	4096.2	4073.6	4182.4
30°	4112.6	4250.1	4449.2	4582.6	4711.9	4839.1	4837.1	4845.3	4884.3	4904.8	4952.0
32.5°	4543.6	4713.9	4925.3	5214.7	5491.7	5727.7	6033.5	6228.5	6168.9	6002.7	5937.0
35°	5066.9	5255.7	5512.2	5803.7	6310.5	6616.3	6764.1	6868.7	6881.1	6903.6	6950.8
37.5°	5649.7	5965.8	6263.3	6593.8	6874.9	7246.4	7589.1	7864.1	7927.7	8057.0	7983.1
40°	6386.5	6739.5	7051.4	7478.3	7855.9	8303.2	8793.7	9171.3	9323.2	9273.9	8904.5
42.5°	7158.1	7595.2	7960.5	8463.3	8953.8	9544.8	10051.7	10579.1	10673.5	10293.9	9741.8
45°	7868.2	8410.0	8863.5	9386.8	9986.1	10694.1	11371.3	11913.1	11894.6	11244.1	10505.3
47.5°	8506.4	9171.3	9725.4	10406.8	11051.2	11894.6	12672.4	13072.6	12836.6	12067.0	11162.0
50°	9033.8	9862.9	10546.3	11235.9	12054.7	13070.5	13819.6	14045.3	13589.7	12752.4	11800.2
52.5°	9458.6	10499.1	11266.6	12060.8	13095.2	14164.4	14808.8	14724.6	14135.6	13275.8	12327.6
55°	9817.8	10985.5	11900.8	12838.6	14121.3	15106.3	15535.2	15309.5	14486.6	13614.4	12688.8
57.5°	10189.2	11457.5	12483.6	13571.3	14999.6	15845.1	16083.2	15619.4	14652.8	13743.7	12844.8
60°	10560.7	11851.5	12998.7	14211.6	15664.5	16448.5	16382.8	15689.2	14603.5	13649.3	12740.1
62.5°	10811.0	12085.5	13298.3	14605.6	16163.2	16756.3	16354.1	15440.8	14318.3	13277.8	12428.2
63°	10817.2	12093.7	13316.8	14632.3	16218.6	16766.6	16298.7	15352.6	14228.0	13201.9	12335.8
65°	10687.9	11939.8	13152.6	14511.2	16171.4	16530.6	15820.5	14831.3	13712.9	12676.5	11855.6
67.5°	10027.1	11303.6	12374.8	13655.4	15325.9	15428.5	14539.9	13741.6	12736.0	11662.7	10804.9
70°	8695.2	9756.2	10806.9	11876.1	13277.8	13259.3	12424.1	12017.7	11137.3	9914.2	9226.7
72.5°	6916.0	7868.2	8607.0	9323.2	10246.7	10059.9	9522.3	9635.1	9064.6	8151.4	7743.0
75°	5134.6	6181.3	6542.4	6833.9	7223.8	7225.8	7373.6	7693.7	7685.5	7178.6	6663.5
77.5°	3367.7	4512.8	4633.9	4867.8	5335.7	5971.9	6628.6	7334.6	7511.1	7110.9	6349.5
80°	1877.8	3068.1	2928.5	3129.6	3634.5	4498.4	5467.1	6246.9	6706.6	6482.9	5676.4
82.5°	960.4	1769.0	1691.0	1970.1	2378.5	3129.6	3769.9	4369.2	4910.9	4880.2	4574.4
85°	498.7	968.6	1102.0	1247.7	1453.0	1721.8	1964.0	2138.4	2364.1	2762.3	2897.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	0.0	147.8	106.7	293.5	418.7
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: P153541

CATALOG NUMBER: TLM-E06-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2128.1	2130.2	2126.1	2126.1	2128.1	2128.1	2124.0
5°	2124.0	2124.0	2119.9	2115.8	2111.7	2111.7	2107.6
7.5°	2171.2	2171.2	2156.9	2150.7	2140.5	2132.2	2128.1
10°	2241.0	2228.7	2212.3	2200.0	2183.6	2165.1	2154.8
12.5°	2310.8	2292.3	2271.8	2253.3	2232.8	2212.3	2202.0
15°	2425.7	2401.1	2374.4	2351.8	2323.1	2292.3	2280.0
17.5°	2602.2	2563.2	2528.3	2495.5	2444.2	2421.6	2397.0
20°	2836.2	2778.7	2733.5	2678.1	2614.5	2594.0	2563.2
22.5°	3119.4	3070.1	2979.8	2938.8	2875.1	2844.4	2850.5
25°	3550.3	3486.7	3382.0	3343.1	3336.9	3269.2	3236.3
27.5°	4112.6	4116.7	4020.3	3915.6	3858.2	3751.4	3616.0
30°	4913.0	4857.6	4744.7	4638.0	4502.6	4301.4	4075.7
32.5°	5881.6	5758.5	5571.8	5372.7	5132.6	4822.7	4506.7
35°	6827.7	6612.2	6314.7	5982.2	5635.4	5249.6	4802.2
37.5°	7658.9	7324.3	6879.0	6497.3	6006.8	5524.6	4978.7
40°	8418.2	8003.6	7429.0	6934.4	6355.7	5735.9	5089.5
42.5°	9152.9	8627.5	7923.6	7254.6	6599.9	5877.5	5142.8
45°	9852.7	9175.4	8340.2	7543.9	6778.5	5969.9	5151.0
47.5°	10390.3	9651.5	8713.7	7753.3	6901.6	6039.7	5151.0
50°	10889.0	10053.8	8998.9	7917.4	7016.5	6086.9	5155.2
52.5°	11276.9	10337.0	9183.6	8034.4	7106.8	6121.7	5173.6
55°	11558.1	10521.7	9306.8	8106.2	7172.5	6171.0	5214.7
57.5°	11755.1	10642.8	9374.5	8169.9	7252.5	6257.2	5329.6
60°	11849.5	10866.5	9487.4	8297.1	7390.0	6439.8	5559.4
62.5°	11777.6	11213.3	9809.6	8512.6	7580.9	6725.1	5926.8
63°	11746.9	11276.9	9897.8	8559.8	7624.0	6786.7	6054.0
65°	11506.7	11340.5	10261.1	8797.8	7829.2	7059.6	6409.1
67.5°	10761.8	11090.1	10566.8	9200.1	8270.4	7722.5	7071.9
70°	9797.3	10718.7	10511.4	9251.4	8551.6	8266.3	7490.6
72.5°	8641.9	9596.1	9403.2	8568.0	8241.7	8272.5	7381.8
75°	6801.0	7517.2	7390.0	7096.5	7162.2	7388.0	6322.9
77.5°	5448.6	5352.2	5058.7	5079.2	5458.9	5723.6	4551.8
80°	4451.2	3603.7	3222.0	3232.2	3895.1	4170.1	2899.8
82.5°	4235.8	3408.7	2776.6	2425.7	2834.1	2729.4	1514.5
85°	3016.8	3022.9	2507.8	2037.8	1974.2	1678.7	944.0
87.5°	714.2	572.6	408.4	303.7	320.1	211.4	106.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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