

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: P152969

Luminaire Tested: **TLM-E06-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152969
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-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

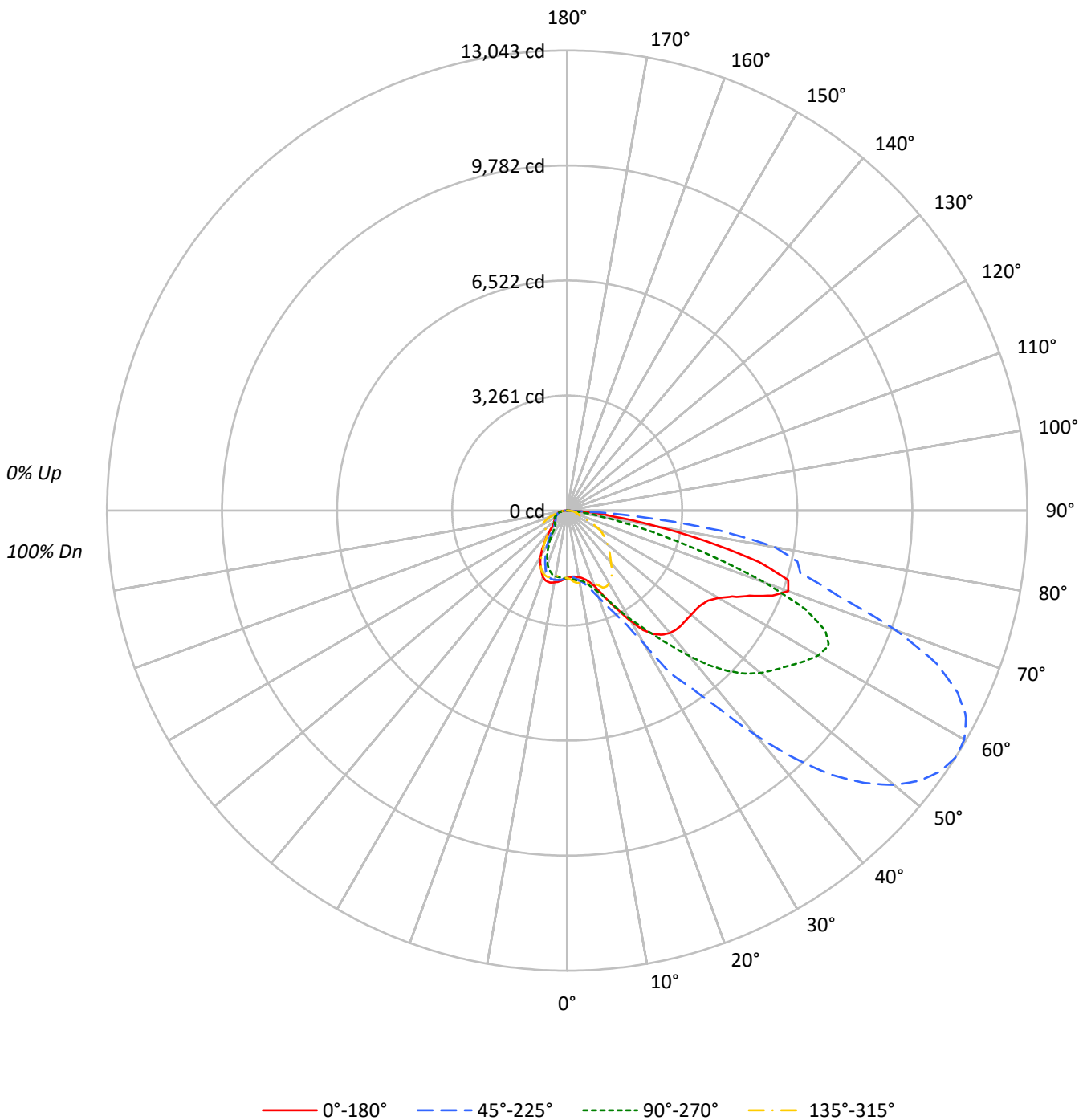
Lumens per Lamp: N/A
Luminaire Lumens: 15248.1 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20626	20626	20626	20626
5°	20270	21158	21612	20626
10°	20964	22002	22581	20705
15°	22616	23776	23348	20152
20°	26134	27599	23017	18581
25°	34213	33801	21000	15686
30°	45090	43865	18731	12147
35°	56168	56767	15002	8305
40°	63655	75488	10985	7265
45°	69795	97769	8258	7619
50°	76841	119849	7892	7800
55°	87106	143806	8056	7987
60°	106530	176845	8770	8770
65°	145299	205782	9258	9118
70°	209837	187300	9772	9659
75°	234065	121247	10788	10181
80°	159994	58881	12342	10984
85°	103779	28652	14894	13536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	1.2
10°-20°	580.9	3.8
20°-30°	1032.1	6.8
30°-40°	1625.2	10.7
40°-50°	2391.9	15.7
50°-60°	3177.1	20.8
60°-70°	3499.6	23.0
70°-80°	2195.6	14.4
80°-90°	559.2	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°	1799.5	11.8
0°-40°	3424.8	22.5
0°-60°	8993.7	59.0
0°-90°	15248.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15248.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1916	1916	1916	1916	1916	
5°	1876	1958	2000	1909	1876	181
15°	2030	2134	2095	1808	2030	588
25°	2881	2846	1768	1321	2881	1360
35°	4274	4320	1142	632	4274	2649
45°	4585	6423	542	500	4585	3545
55°	4642	7663	429	426	4642	4210
65°	5705	8080	364	358	5705	5743
75°	5628	2915	259	245	5628	5504
85°	840	232	121	110	840	971
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°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1890.6	1894.3	1894.3	1892.5	1892.5	1896.1	1894.3	1892.5	1887.0	1894.3	1894.3
5°	1876.0	1879.7	1879.7	1883.3	1887.0	1890.6	1890.6	1894.3	1892.5	1899.8	1905.2
7.5°	1894.3	1897.9	1905.2	1914.4	1919.9	1932.6	1932.6	1941.8	1945.4	1950.9	1949.1
10°	1918.0	1927.2	1943.6	1958.2	1969.2	1983.8	1994.8	2007.5	2007.5	2013.0	2016.7
12.5°	1960.0	1969.2	1987.5	2005.7	2022.2	2040.4	2056.9	2069.7	2082.4	2086.1	2093.4
15°	2029.5	2040.4	2067.8	2093.4	2113.5	2137.2	2159.2	2184.7	2208.5	2214.0	2217.6
17.5°	2133.6	2155.5	2175.6	2221.3	2250.5	2281.5	2316.3	2352.8	2360.1	2398.5	2407.6
20°	2281.5	2308.9	2327.2	2383.8	2433.2	2473.4	2524.5	2566.5	2583.0	2619.5	2656.0
22.5°	2537.3	2531.8	2559.2	2615.8	2652.4	2732.7	2776.6	2820.4	2842.3	2897.1	2926.4
25°	2880.7	2909.9	2970.2	2975.7	3010.4	3103.6	3160.2	3204.0	3205.9	3222.3	3253.4
27.5°	3218.6	3339.2	3434.2	3485.3	3578.5	3664.4	3660.7	3722.8	3626.0	3646.1	3675.3
30°	3627.8	3828.8	4007.8	4128.3	4223.3	4323.8	4373.1	4407.8	4365.8	4347.5	4312.8
32.5°	4011.4	4292.7	4568.6	4782.3	4959.5	5125.7	5235.3	5284.6	5343.1	5491.1	5544.0
35°	4274.5	4672.7	5016.1	5324.8	5620.8	5885.6	6077.4	6187.0	6145.0	6124.9	6114.0
37.5°	4431.6	4917.5	5346.8	5783.3	6123.1	6519.5	6817.2	7105.9	7171.6	7056.5	6999.9
40°	4530.2	5105.6	5657.3	6172.4	6612.7	7124.1	7493.1	7926.1	8254.9	8298.7	8163.5
42.5°	4577.7	5231.7	5874.7	6457.4	7052.9	7679.4	8147.1	8671.3	9162.7	9500.7	9416.6
45°	4585.0	5313.9	6033.6	6715.0	7423.7	8167.2	8770.0	9350.9	10008.5	10587.6	10604.0
47.5°	4585.0	5376.0	6143.2	6901.3	7756.2	8591.0	9248.6	9935.4	10741.0	11426.0	11636.1
50°	4588.7	5418.0	6245.5	7047.4	8010.1	8949.0	9692.5	10503.5	11351.1	12096.4	12501.9
52.5°	4605.1	5449.0	6325.9	7151.5	8174.5	9201.1	10037.7	10973.0	11816.9	12582.3	13106.6
55°	4641.6	5492.9	6384.3	7215.5	8284.1	9365.5	10288.0	11294.5	12118.3	12894.7	13627.2
57.5°	4743.9	5569.6	6455.6	7272.1	8344.4	9473.3	10463.3	11433.3	12233.4	13042.6	13903.0
60°	4948.5	5732.2	6577.9	7385.4	8444.8	9672.4	10547.4	11340.2	12149.4	12998.8	13965.1
62.5°	5275.5	5986.1	6747.8	7577.2	8731.6	9981.1	10483.4	11062.5	11818.8	12744.9	13744.1
63°	5388.8	6040.9	6786.2	7619.2	8810.2	10037.7	10456.0	10980.3	11751.2	12664.5	13665.5
65°	5704.8	6283.9	6968.9	7831.1	9133.5	10094.3	10242.3	10552.8	11283.5	12206.0	13201.6
67.5°	6294.8	6873.9	7361.6	8189.1	9405.7	9871.5	9579.2	9617.6	10381.1	11336.5	12231.6
70°	6667.5	7358.0	7611.9	8234.8	9356.4	9540.9	8720.7	8212.8	8824.8	9913.5	10697.2
72.5°	6570.6	7363.4	7336.0	7626.5	8369.9	8541.7	7692.2	6892.1	7255.7	8068.5	8576.4
75°	5628.1	6576.1	6375.2	6316.7	6577.9	6691.2	6053.7	5931.3	6389.8	6841.0	6848.3
77.5°	4051.6	5094.7	4859.0	4521.1	4502.8	4764.0	4849.9	5651.8	6329.5	6685.7	6528.6
80°	2581.1	3711.9	3467.1	2877.1	2867.9	3207.7	3962.1	5052.7	5770.5	5969.7	5560.5
82.5°	1348.1	2429.5	2522.7	2159.2	2471.5	3034.1	3770.3	4071.7	4343.9	4371.3	3889.0
85°	840.3	1494.2	1757.3	1813.9	2232.2	2690.7	2685.2	2579.3	2458.7	2104.4	1903.4
87.5°	95.0	188.2	285.0	270.4	363.5	509.6	635.7	372.6	261.2	95.0	131.5
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°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1897.9	1899.8	1901.6	1901.6	1910.7	1908.9	1910.7	1914.4	1919.9	1923.5	1927.2
5°	1912.6	1912.6	1919.9	1925.3	1936.3	1943.6	1947.3	1958.2	1971.0	1967.4	1978.3
7.5°	1960.0	1958.2	1965.5	1969.2	1978.3	1991.1	1989.3	1998.4	2009.4	2013.0	2022.2
10°	2024.0	2018.5	2018.5	2014.9	2016.7	2013.0	2013.0	2013.0	2020.3	2018.5	2025.8
12.5°	2089.7	2087.9	2084.3	2073.3	2073.3	2058.7	2051.4	2042.3	2040.4	2027.6	2029.5
15°	2224.9	2224.9	2217.6	2195.7	2177.4	2164.6	2146.4	2133.6	2115.3	2091.6	2078.8
17.5°	2422.2	2396.6	2387.5	2383.8	2354.6	2343.7	2303.5	2261.5	2241.4	2208.5	2190.2
20°	2663.3	2657.8	2621.3	2603.0	2566.5	2515.4	2464.2	2409.4	2376.5	2336.4	2314.4
22.5°	2935.5	2895.3	2877.1	2849.7	2793.0	2734.6	2657.8	2584.8	2533.6	2506.2	2489.8
25°	3253.4	3213.2	3194.9	3158.4	3089.0	3026.8	2931.9	2846.0	2800.3	2754.7	2729.1
27.5°	3675.3	3637.0	3615.0	3520.1	3496.3	3394.0	3277.1	3160.2	3099.9	3032.3	2988.5
30°	4305.5	4307.4	4194.1	4079.0	3960.3	3783.1	3660.7	3529.2	3430.5	3333.7	3236.9
32.5°	5370.5	5098.3	4888.3	4641.6	4384.1	4195.9	4044.3	3887.2	3750.2	3609.6	3448.8
35°	6020.8	5889.3	5617.1	5165.9	4906.5	4678.2	4510.1	4320.1	4152.1	3903.7	3658.9
37.5°	6755.1	6450.1	6119.4	5869.2	5575.1	5310.2	5028.9	4813.4	4522.9	4188.6	3841.6
40°	7827.4	7390.8	6992.6	6656.5	6276.5	5998.9	5684.7	5372.3	4986.9	4502.8	4026.0
42.5°	8947.2	8496.0	7969.9	7533.3	7085.8	6760.6	6371.5	5933.1	5366.8	4767.7	4185.0
45°	10121.7	9518.9	8888.7	8355.3	7889.5	7485.8	7003.6	6422.7	5732.2	5005.2	4332.9
47.5°	11279.9	10587.6	9836.8	9263.2	8656.7	8163.5	7571.7	6837.3	6017.2	5229.8	4480.9
50°	12301.0	11634.3	10730.0	10001.2	9387.4	8779.1	8041.1	7157.0	6241.8	5423.5	4614.2
52.5°	13181.5	12607.9	11656.2	10735.5	10028.6	9345.4	8419.3	7414.6	6468.3	5602.5	4723.8
55°	13828.1	13446.3	12569.5	11427.8	10593.0	9778.3	8738.9	7663.0	6682.1	5745.0	4795.1
57.5°	14315.9	14104.0	13351.4	12080.0	11111.8	10198.5	9069.6	7960.8	6894.0	5867.4	4828.0
60°	14582.6	14641.0	13943.2	12649.9	11570.3	10549.2	9400.2	8214.7	7051.1	5938.6	4809.7
62.5°	14557.0	14915.0	14387.1	13000.6	11837.0	10757.4	9623.1	8333.4	7029.1	5825.3	4643.5
63°	14507.7	14924.1	14436.4	13024.4	11853.5	10764.7	9628.5	8317.0	6983.5	5770.5	4577.7
65°	14082.0	14714.1	14394.4	12916.6	11707.3	10627.7	9513.5	8079.5	6662.0	5476.4	4239.8
67.5°	12942.2	13733.1	13641.8	12154.9	11015.0	10061.5	8925.3	7314.1	5867.4	4753.1	3593.1
70°	11058.8	11802.3	11818.8	10571.1	9619.4	8684.1	7739.7	5951.4	4650.8	3684.5	2679.8
72.5°	8475.9	8954.5	9120.7	8298.7	7661.2	7003.6	6156.0	4320.1	3315.5	2506.2	1744.5
75°	6563.3	6431.8	6430.0	6082.9	5823.5	5502.0	4570.4	2915.4	2177.4	1629.4	1066.8
77.5°	5900.2	5315.7	4749.4	4332.9	4124.7	4016.9	2997.6	1757.3	1284.2	937.1	613.8
80°	4866.3	4004.1	3235.1	2785.7	2606.7	2730.9	1671.4	949.9	703.3	533.4	398.2
82.5°	3355.6	2785.7	2117.1	1753.6	1505.2	1574.6	854.9	485.9	325.2	297.8	246.6
85°	1748.2	1532.6	1293.3	1110.6	980.9	862.2	443.9	232.0	135.2	118.7	107.8
87.5°	0.0	1.8	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°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1932.6	1930.8	1934.5	1936.3	1941.8	1945.4	1947.3	1943.6	1949.1	1954.6	1950.9
5°	1983.8	1996.6	1998.4	2003.9	2003.9	2014.9	2014.9	2014.9	2013.0	2014.9	2011.2
7.5°	2027.6	2044.1	2045.9	2053.2	2055.0	2067.8	2062.3	2066.0	2066.0	2056.9	2053.2
10°	2033.1	2049.6	2058.7	2067.8	2080.6	2097.1	2097.1	2106.2	2106.2	2098.9	2097.1
12.5°	2034.9	2047.7	2056.9	2069.7	2087.9	2111.7	2124.5	2137.2	2142.7	2140.9	2135.4
15°	2073.3	2073.3	2075.1	2086.1	2098.9	2128.1	2146.4	2161.0	2170.1	2166.5	2157.3
17.5°	2173.8	2159.2	2148.2	2129.9	2133.6	2148.2	2159.2	2171.9	2173.8	2170.1	2155.5
20°	2290.7	2272.4	2245.0	2215.8	2201.2	2190.2	2182.9	2182.9	2177.4	2159.2	2135.4
22.5°	2456.9	2433.2	2394.8	2351.0	2321.7	2287.0	2245.0	2204.8	2161.0	2117.1	2066.0
25°	2687.1	2654.2	2614.0	2546.4	2484.3	2411.2	2325.4	2235.9	2131.8	2040.4	1965.5
27.5°	2919.1	2846.0	2741.9	2648.7	2533.6	2424.0	2301.6	2192.0	2058.7	1949.1	1866.9
30°	3110.9	2972.0	2822.3	2674.3	2522.7	2374.7	2228.6	2097.1	1950.9	1839.5	1759.1
32.5°	3258.8	3067.0	2858.8	2665.2	2478.8	2298.0	2129.9	1983.8	1835.8	1720.8	1634.9
35°	3395.8	3129.1	2864.3	2625.0	2394.8	2206.7	2016.7	1857.8	1700.7	1580.1	1486.9
37.5°	3498.1	3158.4	2831.4	2550.1	2285.2	2075.1	1881.5	1718.9	1558.2	1426.7	1320.7
40°	3563.9	3140.1	2760.1	2442.3	2155.5	1934.5	1737.2	1569.1	1413.9	1269.6	1141.7
42.5°	3616.9	3116.4	2688.9	2343.7	2053.2	1812.1	1609.3	1428.5	1271.4	1114.3	973.6
45°	3695.4	3134.6	2657.8	2274.2	1961.9	1708.0	1485.1	1297.0	1132.6	979.1	843.9
47.5°	3772.1	3143.8	2612.2	2188.4	1846.8	1600.2	1373.7	1191.0	1023.0	882.3	758.1
50°	3841.6	3138.3	2540.9	2078.8	1735.4	1492.4	1273.2	1090.5	924.3	794.6	677.7
52.5°	3874.4	3107.2	2453.3	1972.8	1645.9	1397.4	1174.6	997.4	833.0	710.6	602.8
55°	3870.8	3026.8	2338.2	1872.4	1547.2	1297.0	1077.8	902.4	754.4	641.2	548.0
57.5°	3816.0	2902.6	2215.8	1760.9	1417.5	1172.7	964.5	794.6	670.4	575.4	496.9
60°	3700.9	2743.7	2055.0	1598.4	1254.9	1019.3	823.8	677.7	577.2	504.2	453.0
62.5°	3485.3	2515.4	1854.1	1371.9	1035.7	820.2	650.3	555.3	480.4	436.6	412.8
63°	3421.4	2453.3	1768.2	1317.1	984.6	774.5	613.8	515.1	460.3	422.0	400.0
65°	3103.6	2148.2	1479.6	1063.1	765.4	597.3	493.2	418.3	385.4	369.0	367.2
67.5°	2513.5	1689.7	1046.7	728.9	520.6	431.1	378.1	347.1	332.5	328.8	332.5
70°	1764.6	1066.8	664.9	484.1	385.4	347.1	323.3	310.5	301.4	303.2	306.9
72.5°	1125.2	639.3	456.7	367.2	325.2	305.1	294.1	290.4	288.6	286.8	286.8
75°	641.2	425.6	350.7	317.8	295.9	279.5	270.4	266.7	268.5	270.4	266.7
77.5°	423.8	350.7	312.4	290.4	270.4	252.1	246.6	244.8	248.4	252.1	252.1
80°	334.3	312.4	290.4	268.5	235.6	222.9	226.5	228.3	226.5	228.3	222.9
82.5°	235.6	232.0	237.5	228.3	195.5	184.5	180.8	182.7	179.0	179.0	175.4
85°	109.6	109.6	115.1	115.1	111.4	113.3	122.4	133.3	138.8	133.3	126.0
87.5°	0.0	0.0	0.0	0.0	0.0	16.4	32.9	47.5	51.1	63.9	62.1
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: P152969

CATALOG NUMBER: TLM-E06-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1945.4	1949.1	1947.3	1945.4	1949.1	1945.4	1947.3	1945.4	1945.4	1943.6	1943.6
5°	2007.5	2013.0	2002.1	2000.2	1996.6	1987.5	1987.5	1983.8	1983.8	1976.5	1971.0
7.5°	2047.7	2049.6	2040.4	2038.6	2029.5	2020.3	2013.0	2005.7	2003.9	1998.4	1987.5
10°	2086.1	2082.4	2075.1	2066.0	2056.9	2044.1	2034.9	2025.8	2024.0	2014.9	2002.1
12.5°	2119.0	2117.1	2102.5	2093.4	2078.8	2066.0	2055.0	2044.1	2038.6	2027.6	2009.4
15°	2140.9	2129.9	2111.7	2095.2	2078.8	2064.2	2051.4	2038.6	2033.1	2020.3	2002.1
17.5°	2131.8	2111.7	2087.9	2067.8	2045.9	2027.6	2016.7	2003.9	1994.8	1987.5	1961.9
20°	2098.9	2069.7	2033.1	2009.4	1980.1	1956.4	1949.1	1936.3	1929.0	1901.6	1868.7
22.5°	2013.0	1971.0	1925.3	1890.6	1857.8	1834.0	1815.7	1803.0	1784.7	1768.2	1717.1
25°	1905.2	1857.8	1810.3	1768.2	1724.4	1687.9	1655.0	1623.9	1614.8	1580.1	1530.8
27.5°	1801.1	1748.2	1700.7	1651.3	1594.7	1549.0	1492.4	1448.6	1419.3	1382.8	1337.1
30°	1689.7	1636.7	1572.8	1507.0	1441.3	1391.9	1328.0	1275.0	1238.5	1200.1	1158.1
32.5°	1549.0	1485.1	1408.4	1335.3	1275.0	1216.6	1152.6	1101.5	1065.0	1030.3	990.1
35°	1388.3	1304.3	1222.1	1141.7	1077.8	1028.4	971.8	933.4	907.9	876.8	834.8
37.5°	1203.8	1108.8	1021.1	959.0	902.4	854.9	814.7	791.0	763.6	747.1	721.5
40°	1017.5	924.3	838.5	781.8	734.3	706.9	685.0	679.5	661.3	639.3	622.9
42.5°	853.1	763.6	679.5	633.9	602.8	595.5	584.5	584.5	575.4	559.0	548.0
45°	741.6	648.5	575.4	542.5	526.1	524.3	518.8	518.8	517.0	509.6	496.9
47.5°	661.3	577.2	520.6	500.5	496.9	493.2	487.7	485.9	484.1	478.6	471.3
50°	588.2	517.0	480.4	471.3	473.1	467.6	462.2	456.7	454.8	449.4	442.1
52.5°	520.6	469.5	445.7	440.2	440.2	440.2	436.6	436.6	432.9	431.1	423.8
55°	482.2	443.9	431.1	429.3	427.4	425.6	422.0	422.0	418.3	416.5	407.4
57.5°	449.4	425.6	418.3	414.7	412.8	409.2	407.4	407.4	407.4	407.4	396.4
60°	423.8	412.8	411.0	407.4	405.5	398.2	394.6	392.7	394.6	396.4	385.4
62.5°	396.4	394.6	392.7	389.1	387.3	380.0	374.5	370.8	374.5	378.1	376.3
63°	389.1	387.3	387.3	385.4	383.6	374.5	369.0	365.3	369.0	372.6	372.6
65°	363.5	365.3	365.3	363.5	361.7	356.2	348.9	345.2	347.1	352.6	354.4
67.5°	336.1	337.9	336.1	337.9	336.1	332.5	327.0	323.3	321.5	323.3	325.2
70°	310.5	314.2	312.4	310.5	308.7	308.7	305.1	299.6	297.8	295.9	295.9
72.5°	288.6	288.6	285.0	285.0	283.1	283.1	279.5	274.0	272.2	272.2	268.5
75°	264.9	264.9	259.4	259.4	255.7	257.6	253.9	248.4	246.6	246.6	244.8
77.5°	250.3	244.8	235.6	233.8	232.0	232.0	230.2	224.7	222.9	222.9	221.0
80°	221.0	210.1	200.9	199.1	200.9	204.6	204.6	200.9	200.9	200.9	200.9
82.5°	171.7	168.1	162.6	158.9	158.9	164.4	171.7	175.4	179.0	182.7	182.7
85°	126.0	127.9	126.0	120.6	118.7	124.2	131.5	138.8	140.7	148.0	146.1
87.5°	67.6	69.4	63.9	62.1	67.6	71.2	78.5	80.4	84.0	85.9	87.7
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: P152969

CATALOG NUMBER: TLM-E06-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1941.8	1940.0	1941.8	1938.1	1938.1	1934.5	1930.8	1929.0	1925.3	1923.5	1919.9
5°	1974.7	1969.2	1963.7	1961.9	1954.6	1947.3	1941.8	1932.6	1925.3	1912.6	1908.9
7.5°	1996.6	1983.8	1976.5	1974.7	1963.7	1958.2	1945.4	1934.5	1923.5	1907.1	1901.6
10°	2005.7	1992.9	1980.1	1974.7	1961.9	1952.7	1940.0	1923.5	1914.4	1897.9	1894.3
12.5°	2016.7	1992.9	1972.8	1958.2	1940.0	1919.9	1907.1	1897.9	1885.2	1876.0	1872.4
15°	1996.6	1965.5	1934.5	1907.1	1877.8	1855.9	1843.1	1828.5	1813.9	1808.4	1808.4
17.5°	1941.8	1901.6	1848.6	1813.9	1782.9	1759.1	1742.7	1728.1	1726.2	1718.9	1722.6
20°	1828.5	1775.6	1724.4	1698.8	1680.6	1666.0	1649.5	1642.2	1636.7	1625.8	1622.1
22.5°	1671.4	1627.6	1591.1	1572.8	1558.2	1539.9	1525.3	1503.4	1497.9	1486.9	1481.5
25°	1497.9	1463.2	1432.1	1419.3	1410.2	1384.6	1375.5	1346.3	1326.2	1313.4	1320.7
27.5°	1324.4	1298.8	1269.6	1253.1	1247.6	1223.9	1214.8	1181.9	1165.4	1165.4	1147.2
30°	1145.3	1121.6	1103.3	1085.1	1081.4	1052.2	1028.4	1015.6	997.4	990.1	977.3
32.5°	977.3	953.5	938.9	929.8	915.2	891.4	867.7	845.8	816.5	805.6	800.1
35°	822.0	803.7	785.5	778.2	758.1	732.5	703.3	685.0	650.3	637.5	632.0
37.5°	703.3	681.4	668.6	648.5	628.4	601.0	579.1	562.6	549.8	544.4	544.4
40°	608.3	591.9	577.2	560.8	544.4	529.7	518.8	515.1	513.3	513.3	517.0
42.5°	537.0	522.4	515.1	506.0	500.5	500.5	498.7	500.5	502.3	504.2	509.6
45°	489.6	480.4	476.8	474.9	478.6	482.2	484.1	487.7	495.0	498.7	500.5
47.5°	464.0	456.7	454.8	456.7	462.2	469.5	476.8	482.2	487.7	489.6	491.4
50°	438.4	429.3	425.6	429.3	436.6	447.5	453.0	462.2	465.8	469.5	465.8
52.5°	416.5	409.2	407.4	407.4	414.7	422.0	429.3	436.6	438.4	438.4	436.6
55°	398.2	392.7	387.3	390.9	396.4	403.7	414.7	420.1	423.8	425.6	425.6
57.5°	383.6	378.1	372.6	376.3	381.8	389.1	400.0	405.5	409.2	414.7	416.5
60°	372.6	365.3	359.9	365.3	370.8	381.8	390.9	396.4	405.5	407.4	407.4
62.5°	361.7	354.4	345.2	350.7	350.7	356.2	365.3	372.6	381.8	385.4	385.4
63°	359.9	352.6	343.4	347.1	347.1	350.7	358.0	365.3	376.3	380.0	378.1
65°	345.2	343.4	334.3	334.3	330.6	334.3	339.8	347.1	352.6	358.0	358.0
67.5°	321.5	319.7	317.8	317.8	317.8	321.5	325.2	330.6	336.1	339.8	337.9
70°	294.1	294.1	294.1	295.9	295.9	299.6	301.4	299.6	305.1	308.7	306.9
72.5°	270.4	268.5	266.7	270.4	268.5	268.5	272.2	270.4	275.8	275.8	277.7
75°	244.8	243.0	243.0	244.8	241.1	237.5	239.3	239.3	241.1	241.1	244.8
77.5°	222.9	222.9	222.9	221.0	217.4	215.6	213.7	213.7	213.7	213.7	215.6
80°	202.8	202.8	202.8	200.9	197.3	193.6	190.0	188.2	186.3	177.2	177.2
82.5°	182.7	182.7	182.7	182.7	180.8	177.2	171.7	157.1	149.8	142.5	144.3
85°	144.3	148.0	151.6	157.1	155.3	155.3	144.3	126.0	115.1	107.8	109.6
87.5°	93.2	82.2	82.2	80.4	76.7	73.1	73.1	62.1	51.1	45.7	47.5
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: P152969

CATALOG NUMBER: TLM-E06-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1919.9	1916.2	1912.6	1912.6	1907.1	1907.1	1903.4	1910.7	1903.4	1897.9	1897.9
5°	1905.2	1901.6	1890.6	1888.8	1881.5	1881.5	1881.5	1877.8	1877.8	1874.2	1872.4
7.5°	1896.1	1887.0	1877.8	1872.4	1872.4	1868.7	1876.0	1872.4	1874.2	1874.2	1876.0
10°	1888.8	1881.5	1877.8	1876.0	1876.0	1881.5	1887.0	1888.8	1887.0	1888.8	1888.8
12.5°	1870.5	1874.2	1876.0	1883.3	1892.5	1903.4	1916.2	1918.0	1921.7	1921.7	1925.3
15°	1812.1	1821.2	1832.2	1850.4	1874.2	1897.9	1921.7	1941.8	1960.0	1969.2	1976.5
17.5°	1729.9	1739.0	1759.1	1779.2	1810.3	1845.0	1885.2	1919.9	1958.2	1992.9	2027.6
20°	1618.5	1633.1	1638.6	1675.1	1711.6	1759.1	1806.6	1861.4	1927.2	1992.9	2060.5
22.5°	1474.1	1490.6	1516.2	1545.4	1583.7	1642.2	1698.8	1784.7	1872.4	1965.5	2071.5
25°	1313.4	1331.7	1353.6	1384.6	1423.0	1485.1	1567.3	1658.6	1766.4	1888.8	2020.3
27.5°	1147.2	1165.4	1183.7	1205.6	1249.5	1315.2	1412.0	1507.0	1625.8	1759.1	1912.6
30°	980.9	982.8	993.7	1021.1	1066.8	1152.6	1223.9	1342.6	1466.8	1607.5	1784.7
32.5°	798.3	796.4	809.2	833.0	876.8	959.0	1046.7	1161.8	1284.2	1461.4	1644.0
35°	635.7	635.7	659.4	683.2	732.5	791.0	867.7	970.0	1114.3	1278.7	1461.4
37.5°	549.8	562.6	577.2	601.0	639.3	685.0	752.6	842.1	955.4	1112.5	1280.5
40°	522.4	529.7	542.5	564.5	597.3	639.3	688.7	756.3	843.9	970.0	1123.4
42.5°	511.5	513.3	520.6	537.0	566.3	608.3	659.4	719.7	785.5	875.0	1008.3
45°	500.5	498.7	502.3	515.1	538.9	586.4	644.8	710.6	776.3	851.2	960.8
47.5°	491.4	491.4	491.4	496.9	518.8	566.3	633.9	710.6	789.1	873.2	980.9
50°	465.8	464.0	464.0	467.6	484.1	535.2	615.6	708.8	811.1	920.7	1043.0
52.5°	436.6	436.6	438.4	440.2	454.8	506.0	595.5	708.8	836.6	982.8	1136.2
55°	427.4	429.3	431.1	429.3	440.2	484.1	573.6	697.8	847.6	1032.1	1236.7
57.5°	420.1	423.8	423.8	422.0	429.3	465.8	551.7	675.9	838.5	1050.4	1307.9
60°	409.2	409.2	409.2	403.7	407.4	440.2	518.8	641.2	809.2	1033.9	1318.9
62.5°	385.4	385.4	381.8	380.0	378.1	403.7	474.9	590.0	756.3	990.1	1291.5
63°	380.0	378.1	378.1	372.6	372.6	396.4	465.8	582.7	741.6	979.1	1280.5
65°	359.9	359.9	359.9	356.2	354.4	372.6	429.3	531.6	685.0	928.0	1225.7
67.5°	337.9	339.8	336.1	334.3	332.5	343.4	387.3	467.6	597.3	820.2	1123.4
70°	306.9	308.7	308.7	306.9	305.1	312.4	339.8	401.9	495.0	683.2	957.2
72.5°	279.5	283.1	283.1	286.8	286.8	292.3	303.2	334.3	396.4	533.4	752.6
75°	250.3	252.1	255.7	259.4	255.7	253.9	255.7	279.5	310.5	394.6	537.0
77.5°	224.7	230.2	230.2	228.3	222.9	219.2	219.2	230.2	255.7	299.6	383.6
80°	186.3	195.5	197.3	191.8	186.3	186.3	190.0	197.3	213.7	246.6	290.4
82.5°	149.8	158.9	160.7	162.6	160.7	166.2	166.2	168.1	177.2	202.8	237.5
85°	115.1	122.4	127.9	129.7	131.5	133.3	131.5	122.4	127.9	144.3	160.7
87.5°	51.1	53.0	49.3	51.1	49.3	51.1	53.0	43.8	42.0	56.6	58.5
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: P152969

CATALOG NUMBER: TLM-E06-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1896.1	1896.1	1897.9	1894.3	1894.3	1896.1	1890.6
5°	1866.9	1874.2	1874.2	1874.2	1870.5	1874.2	1876.0
7.5°	1874.2	1879.7	1883.3	1883.3	1881.5	1888.8	1894.3
10°	1883.3	1892.5	1896.1	1896.1	1896.1	1905.2	1918.0
12.5°	1918.0	1925.3	1930.8	1930.8	1934.5	1945.4	1960.0
15°	1982.0	1991.1	1991.1	1989.3	2000.2	2013.0	2029.5
17.5°	2053.2	2078.8	2091.6	2089.7	2098.9	2115.3	2133.6
20°	2120.8	2192.0	2223.1	2245.0	2254.1	2276.1	2281.5
22.5°	2177.4	2296.2	2382.0	2455.1	2489.8	2511.7	2537.3
25°	2157.3	2318.1	2471.5	2621.3	2727.3	2835.0	2880.7
27.5°	2075.1	2276.1	2477.0	2696.2	2888.0	3079.8	3218.6
30°	1974.7	2215.8	2486.1	2796.7	3099.9	3394.0	3627.8
32.5°	1859.6	2159.2	2506.2	2889.8	3288.1	3673.5	4011.4
35°	1715.3	2051.4	2456.9	2899.0	3368.4	3836.1	4274.5
37.5°	1532.6	1905.2	2341.8	2833.2	3372.1	3907.3	4431.6
40°	1349.9	1720.8	2195.7	2738.2	3324.6	3923.8	4530.2
42.5°	1222.1	1556.3	2047.7	2617.7	3247.9	3898.2	4577.7
45°	1134.4	1437.6	1916.2	2508.1	3165.7	3852.5	4585.0
47.5°	1127.1	1386.5	1830.4	2427.7	3099.9	3812.3	4585.0
50°	1189.2	1413.9	1801.1	2387.5	3072.5	3799.5	4588.7
52.5°	1306.1	1523.5	1854.1	2418.6	3094.4	3816.0	4605.1
55°	1446.7	1689.7	1996.6	2526.3	3187.6	3870.8	4641.6
57.5°	1574.6	1881.5	2239.5	2734.6	3357.5	4009.6	4743.9
60°	1649.5	2045.9	2497.1	3026.8	3647.9	4285.4	4948.5
62.5°	1658.6	2137.2	2725.4	3344.7	4000.5	4601.5	5275.5
63°	1651.3	2144.5	2754.7	3405.0	4075.4	4680.0	5388.8
65°	1611.2	2146.4	2836.9	3616.9	4334.8	5010.6	5704.8
67.5°	1508.9	2087.9	2866.1	3783.1	4661.7	5445.4	6294.8
70°	1331.7	1921.7	2780.2	3786.8	4787.8	5688.3	6667.5
72.5°	1070.4	1605.7	2409.4	3445.2	4455.3	5449.0	6570.6
75°	783.7	1180.0	1821.2	2668.8	3635.1	4535.7	5628.1
77.5°	520.6	763.6	1227.5	1901.6	2606.7	3264.3	4051.6
80°	358.0	473.1	717.9	1143.5	1594.7	1914.4	2581.1
82.5°	263.0	312.4	398.2	584.5	767.2	944.4	1348.1
85°	164.4	179.0	199.1	288.6	412.8	557.1	840.3
87.5°	43.8	45.7	42.0	56.6	89.5	85.9	95.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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