

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: P152971

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152971
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-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

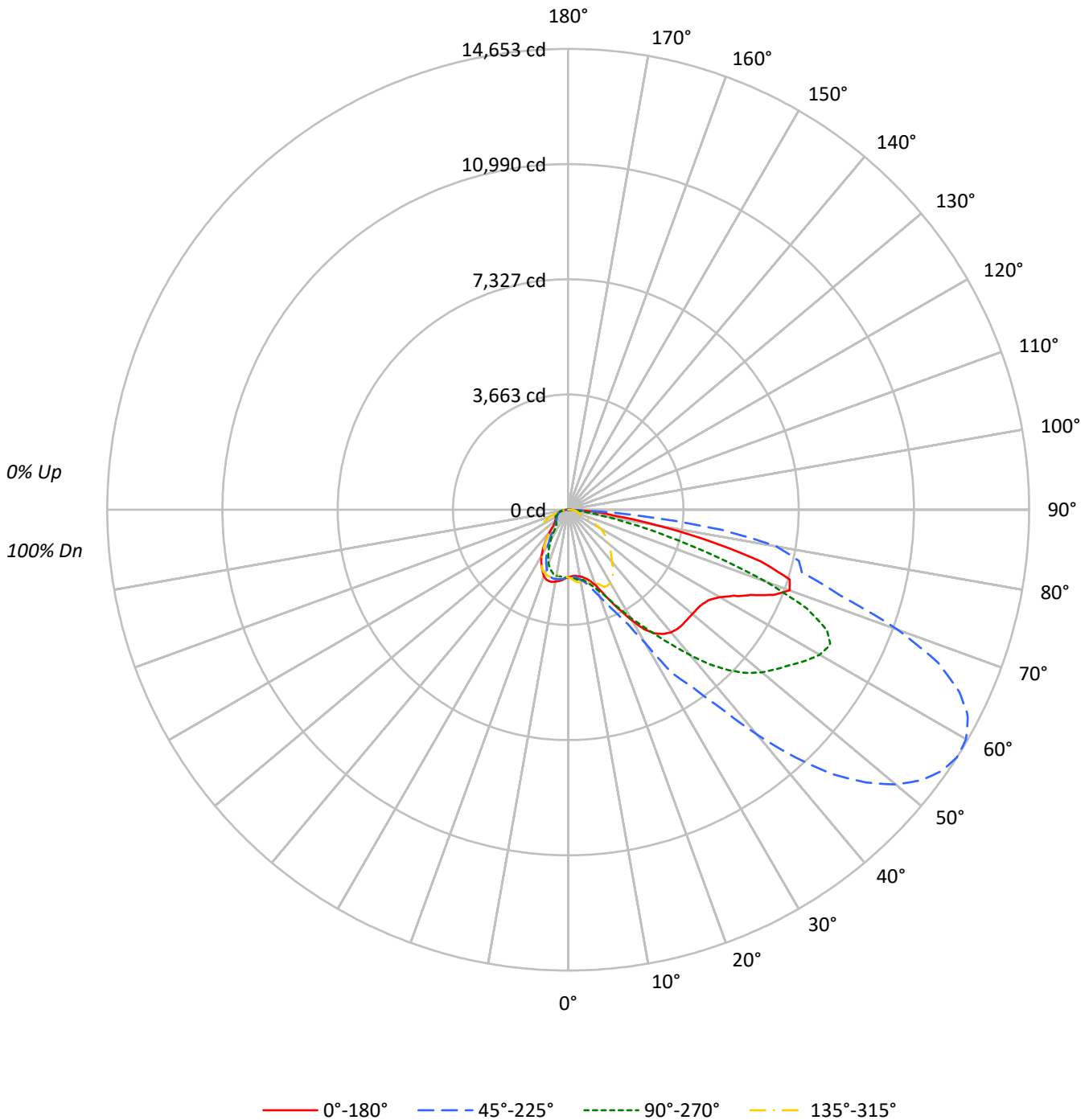
Lumens per Lamp: N/A
Luminaire Lumens: 17130.5 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

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



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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	2200	2247	2145	2108	203
15°	2280	2397	2354	2032	2280	660
25°	3236	3197	1986	1484	3236	1527
35°	4802	4854	1283	710	4802	2976
45°	5151	7216	610	562	5151	3983
55°	5215	8609	482	478	5215	4730
65°	6409	9077	408	402	6409	6452
75°	6323	3275	291	275	6323	6183
85°	944	261	135	123	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	2128.1	2128.1	2126.1	2126.1	2130.2	2128.1	2126.1	2119.9	2128.1	2128.1
5°	2107.6	2111.7	2111.7	2115.8	2119.9	2124.0	2124.0	2128.1	2126.1	2134.3	2140.5
7.5°	2128.1	2132.2	2140.5	2150.7	2156.9	2171.2	2171.2	2181.5	2185.6	2191.8	2189.7
10°	2154.8	2165.1	2183.6	2200.0	2212.3	2228.7	2241.0	2255.4	2255.4	2261.5	2265.6
12.5°	2202.0	2212.3	2232.8	2253.3	2271.8	2292.3	2310.8	2325.2	2339.5	2343.6	2351.8
15°	2280.0	2292.3	2323.1	2351.8	2374.4	2401.1	2425.7	2454.4	2481.1	2487.3	2491.4
17.5°	2397.0	2421.6	2444.2	2495.5	2528.3	2563.2	2602.2	2643.2	2651.5	2694.6	2704.8
20°	2563.2	2594.0	2614.5	2678.1	2733.5	2778.7	2836.2	2883.4	2901.8	2942.9	2983.9
22.5°	2850.5	2844.4	2875.1	2938.8	2979.8	3070.1	3119.4	3168.6	3193.2	3254.8	3287.6
25°	3236.3	3269.2	3336.9	3343.1	3382.0	3486.7	3550.3	3599.6	3601.6	3620.1	3655.0
27.5°	3616.0	3751.4	3858.2	3915.6	4020.3	4116.7	4112.6	4182.4	4073.6	4096.2	4129.0
30°	4075.7	4301.4	4502.6	4638.0	4744.7	4857.6	4913.0	4952.0	4904.8	4884.3	4845.3
32.5°	4506.7	4822.7	5132.6	5372.7	5571.8	5758.5	5881.6	5937.0	6002.7	6168.9	6228.5
35°	4802.2	5249.6	5635.4	5982.2	6314.7	6612.2	6827.7	6950.8	6903.6	6881.1	6868.7
37.5°	4978.7	5524.6	6006.8	6497.3	6879.0	7324.3	7658.9	7983.1	8057.0	7927.7	7864.1
40°	5089.5	5735.9	6355.7	6934.4	7429.0	8003.6	8418.2	8904.5	9273.9	9323.2	9171.3
42.5°	5142.8	5877.5	6599.9	7254.6	7923.6	8627.5	9152.9	9741.8	10293.9	10673.5	10579.1
45°	5151.0	5969.9	6778.5	7543.9	8340.2	9175.4	9852.7	10505.3	11244.1	11894.6	11913.1
47.5°	5151.0	6039.7	6901.6	7753.3	8713.7	9651.5	10390.3	11162.0	12067.0	12836.6	13072.6
50°	5155.2	6086.9	7016.5	7917.4	8998.9	10053.8	10889.0	11800.2	12752.4	13589.7	14045.3
52.5°	5173.6	6121.7	7106.8	8034.4	9183.6	10337.0	11276.9	12327.6	13275.8	14135.6	14724.6
55°	5214.7	6171.0	7172.5	8106.2	9306.8	10521.7	11558.1	12688.8	13614.4	14486.6	15309.5
57.5°	5329.6	6257.2	7252.5	8169.9	9374.5	10642.8	11755.1	12844.8	13743.7	14652.8	15619.4
60°	5559.4	6439.8	7390.0	8297.1	9487.4	10866.5	11849.5	12740.1	13649.3	14603.5	15689.2
62.5°	5926.8	6725.1	7580.9	8512.6	9809.6	11213.3	11777.6	12428.2	13277.8	14318.3	15440.8
63°	6054.0	6786.7	7624.0	8559.8	9897.8	11276.9	11746.9	12335.8	13201.9	14228.0	15352.6
65°	6409.1	7059.6	7829.2	8797.8	10261.1	11340.5	11506.7	11855.6	12676.5	13712.9	14831.3
67.5°	7071.9	7722.5	8270.4	9200.1	10566.8	11090.1	10761.8	10804.9	11662.7	12736.0	13741.6
70°	7490.6	8266.3	8551.6	9251.4	10511.4	10718.7	9797.3	9226.7	9914.2	11137.3	12017.7
72.5°	7381.8	8272.5	8241.7	8568.0	9403.2	9596.1	8641.9	7743.0	8151.4	9064.6	9635.1
75°	6322.9	7388.0	7162.2	7096.5	7390.0	7517.2	6801.0	6663.5	7178.6	7685.5	7693.7
77.5°	4551.8	5723.6	5458.9	5079.2	5058.7	5352.2	5448.6	6349.5	7110.9	7511.1	7334.6
80°	2899.8	4170.1	3895.1	3232.2	3222.0	3603.7	4451.2	5676.4	6482.9	6706.6	6246.9
82.5°	1514.5	2729.4	2834.1	2425.7	2776.6	3408.7	4235.8	4574.4	4880.2	4910.9	4369.2
85°	944.0	1678.7	1974.2	2037.8	2507.8	3022.9	3016.8	2897.7	2762.3	2364.1	2138.4
87.5°	106.7	211.4	320.1	303.7	408.4	572.6	714.2	418.7	293.5	106.7	147.8
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):

	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°	2132.2	2134.3	2136.4	2136.4	2146.6	2144.6	2146.6	2150.7	2156.9	2161.0	2165.1
5°	2148.7	2148.7	2156.9	2163.0	2175.3	2183.6	2187.7	2200.0	2214.3	2210.2	2222.5
7.5°	2202.0	2200.0	2208.2	2212.3	2222.5	2236.9	2234.9	2245.1	2257.4	2261.5	2271.8
10°	2273.8	2267.7	2267.7	2263.6	2265.6	2261.5	2261.5	2261.5	2269.7	2267.7	2275.9
12.5°	2347.7	2345.7	2341.6	2329.3	2329.3	2312.8	2304.6	2294.4	2292.3	2278.0	2280.0
15°	2499.6	2499.6	2491.4	2466.8	2446.2	2431.9	2411.3	2397.0	2376.5	2349.8	2335.4
17.5°	2721.2	2692.5	2682.2	2678.1	2645.3	2633.0	2587.8	2540.6	2518.1	2481.1	2460.6
20°	2992.1	2986.0	2944.9	2924.4	2883.4	2825.9	2768.4	2706.9	2669.9	2624.8	2600.2
22.5°	3297.9	3252.8	3232.2	3201.4	3137.8	3072.2	2986.0	2903.9	2846.4	2815.6	2797.2
25°	3655.0	3609.8	3589.3	3548.3	3470.3	3400.5	3293.8	3197.3	3146.0	3094.7	3066.0
27.5°	4129.0	4086.0	4061.3	3954.6	3927.9	3813.0	3681.7	3550.3	3482.6	3406.7	3357.4
30°	4837.1	4839.1	4711.9	4582.6	4449.2	4250.1	4112.6	3964.9	3854.1	3745.3	3636.5
32.5°	6033.5	5727.7	5491.7	5214.7	4925.3	4713.9	4543.6	4367.1	4213.2	4055.2	3874.6
35°	6764.1	6616.3	6310.5	5803.7	5512.2	5255.7	5066.9	4853.5	4664.7	4385.6	4110.6
37.5°	7589.1	7246.4	6874.9	6593.8	6263.3	5965.8	5649.7	5407.6	5081.3	4705.7	4315.8
40°	8793.7	8303.2	7855.9	7478.3	7051.4	6739.5	6386.5	6035.6	5602.5	5058.7	4523.1
42.5°	10051.7	9544.8	8953.8	8463.3	7960.5	7595.2	7158.1	6665.6	6029.4	5356.3	4701.6
45°	11371.3	10694.1	9986.1	9386.8	8863.5	8410.0	7868.2	7215.6	6439.8	5623.1	4867.8
47.5°	12672.4	11894.6	11051.2	10406.8	9725.4	9171.3	8506.4	7681.4	6760.0	5875.5	5034.1
50°	13819.6	13070.5	12054.7	11235.9	10546.3	9862.9	9033.8	8040.6	7012.4	6093.0	5183.9
52.5°	14808.8	14164.4	13095.2	12060.8	11266.6	10499.1	9458.6	8329.9	7266.9	6294.1	5307.0
55°	15535.2	15106.3	14121.3	12838.6	11900.8	10985.5	9817.8	8609.0	7507.0	6454.2	5387.1
57.5°	16083.2	15845.1	14999.6	13571.3	12483.6	11457.5	10189.2	8943.5	7745.0	6591.7	5424.0
60°	16382.8	16448.5	15664.5	14211.6	12998.7	11851.5	10560.7	9228.8	7921.5	6671.7	5403.5
62.5°	16354.1	16756.3	16163.2	14605.6	13298.3	12085.5	10811.0	9362.2	7896.9	6544.5	5216.7
63°	16298.7	16766.6	16218.6	14632.3	13316.8	12093.7	10817.2	9343.7	7845.6	6482.9	5142.8
65°	15820.5	16530.6	16171.4	14511.2	13152.6	11939.8	10687.9	9076.9	7484.4	6152.5	4763.2
67.5°	14539.9	15428.5	15325.9	13655.4	12374.8	11303.6	10027.1	8217.1	6591.7	5339.9	4036.7
70°	12424.1	13259.3	13277.8	11876.1	10806.9	9756.2	8695.2	6686.1	5224.9	4139.3	3010.6
72.5°	9522.3	10059.9	10246.7	9323.2	8607.0	7868.2	6916.0	4853.5	3724.8	2815.6	1959.9
75°	7373.6	7225.8	7223.8	6833.9	6542.4	6181.3	5134.6	3275.3	2446.2	1830.6	1198.5
77.5°	6628.6	5971.9	5335.7	4867.8	4633.9	4512.8	3367.7	1974.2	1442.7	1052.8	689.5
80°	5467.1	4498.4	3634.5	3129.6	2928.5	3068.1	1877.8	1067.1	790.1	599.2	447.4
82.5°	3769.9	3129.6	2378.5	1970.1	1691.0	1769.0	960.4	545.9	365.3	334.5	277.0
85°	1964.0	1721.8	1453.0	1247.7	1102.0	968.6	498.7	260.6	151.9	133.4	121.1
87.5°	0.0	2.1	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°	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8	2152.8
2.5°	2171.2	2169.2	2173.3	2175.3	2181.5	2185.6	2187.7	2183.6	2189.7	2195.9	2191.8
5°	2228.7	2243.1	2245.1	2251.3	2251.3	2263.6	2263.6	2263.6	2261.5	2263.6	2259.5
7.5°	2278.0	2296.4	2298.5	2306.7	2308.7	2323.1	2316.9	2321.1	2321.1	2310.8	2306.7
10°	2284.1	2302.6	2312.8	2323.1	2337.5	2355.9	2355.9	2366.2	2366.2	2358.0	2355.9
12.5°	2286.2	2300.5	2310.8	2325.2	2345.7	2372.4	2386.7	2401.1	2407.2	2405.2	2399.0
15°	2329.3	2329.3	2331.3	2343.6	2358.0	2390.8	2411.3	2427.8	2438.0	2433.9	2423.7
17.5°	2442.1	2425.7	2413.4	2392.9	2397.0	2413.4	2425.7	2440.1	2442.1	2438.0	2421.6
20°	2573.5	2553.0	2522.2	2489.3	2472.9	2460.6	2452.4	2452.4	2446.2	2425.7	2399.0
22.5°	2760.2	2733.5	2690.4	2641.2	2608.4	2569.4	2522.2	2477.0	2427.8	2378.5	2321.1
25°	3018.8	2981.9	2936.7	2860.8	2791.0	2708.9	2612.5	2511.9	2394.9	2292.3	2208.2
27.5°	3279.4	3197.3	3080.4	2975.7	2846.4	2723.3	2585.8	2462.7	2312.8	2189.7	2097.4
30°	3494.9	3338.9	3170.7	3004.4	2834.1	2667.9	2503.7	2355.9	2191.8	2066.6	1976.3
32.5°	3661.1	3445.7	3211.7	2994.2	2784.9	2581.7	2392.9	2228.7	2062.5	1933.2	1836.7
35°	3815.1	3515.4	3217.9	2949.0	2690.4	2479.1	2265.6	2087.1	1910.6	1775.2	1670.5
37.5°	3930.0	3548.3	3180.9	2864.9	2567.3	2331.3	2113.8	1931.1	1750.5	1602.8	1483.7
40°	4003.9	3527.8	3100.9	2743.8	2421.6	2173.3	1951.7	1762.8	1588.4	1426.3	1282.6
42.5°	4063.4	3501.1	3020.9	2633.0	2306.7	2035.8	1808.0	1604.8	1428.3	1251.8	1093.8
45°	4151.6	3521.6	2986.0	2555.0	2204.1	1918.8	1668.4	1457.1	1272.4	1100.0	948.1
47.5°	4237.8	3531.9	2934.7	2458.5	2074.8	1797.7	1543.3	1338.0	1149.2	991.2	851.7
50°	4315.8	3525.7	2854.6	2335.4	1949.6	1676.7	1430.4	1225.2	1038.4	892.7	761.4
52.5°	4352.7	3490.8	2756.1	2216.4	1849.0	1569.9	1319.6	1120.5	935.8	798.3	677.2
55°	4348.6	3400.5	2626.8	2103.5	1738.2	1457.1	1210.8	1013.8	847.6	720.3	615.7
57.5°	4287.1	3261.0	2489.3	1978.3	1592.5	1317.5	1083.6	892.7	753.2	646.4	558.2
60°	4157.8	3082.4	2308.7	1795.7	1409.9	1145.1	925.5	761.4	648.5	566.4	508.9
62.5°	3915.6	2825.9	2083.0	1541.2	1163.6	921.4	730.6	623.9	539.7	490.5	463.8
63°	3843.8	2756.1	1986.5	1479.6	1106.1	870.1	689.5	578.7	517.2	474.1	449.4
65°	3486.7	2413.4	1662.3	1194.4	859.9	671.1	554.1	470.0	433.0	414.5	412.5
67.5°	2823.8	1898.3	1175.9	818.8	584.9	484.3	424.8	389.9	373.5	369.4	373.5
70°	1982.4	1198.5	747.0	543.8	433.0	389.9	363.2	348.9	338.6	340.7	344.8
72.5°	1264.2	718.3	513.1	412.5	365.3	342.7	330.4	326.3	324.2	322.2	322.2
75°	720.3	478.2	394.0	357.1	332.5	314.0	303.7	299.6	301.7	303.7	299.6
77.5°	476.1	394.0	350.9	326.3	303.7	283.2	277.0	275.0	279.1	283.2	283.2
80°	375.6	350.9	326.3	301.7	264.7	250.4	254.5	256.5	254.5	256.5	250.4
82.5°	264.7	260.6	266.8	256.5	219.6	207.3	203.2	205.2	201.1	201.1	197.0
85°	123.1	123.1	129.3	129.3	125.2	127.2	137.5	149.8	156.0	149.8	141.6
87.5°	0.0	0.0	0.0	0.0	0.0	18.5	36.9	53.4	57.5	71.8	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



TEST NUMBER: P152971

CATALOG NUMBER: TLM-E06-LED-E1-SLL-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°	2185.6	2189.7	2187.7	2185.6	2189.7	2185.6	2187.7	2185.6	2185.6	2183.6	2183.6
5°	2255.4	2261.5	2249.2	2247.2	2243.1	2232.8	2232.8	2228.7	2228.7	2220.5	2214.3
7.5°	2300.5	2302.6	2292.3	2290.3	2280.0	2269.7	2261.5	2253.3	2251.3	2245.1	2232.8
10°	2343.6	2339.5	2331.3	2321.1	2310.8	2296.4	2286.2	2275.9	2273.8	2263.6	2249.2
12.5°	2380.6	2378.5	2362.1	2351.8	2335.4	2321.1	2308.7	2296.4	2290.3	2278.0	2257.4
15°	2405.2	2392.9	2372.4	2353.9	2335.4	2319.0	2304.6	2290.3	2284.1	2269.7	2249.2
17.5°	2394.9	2372.4	2345.7	2323.1	2298.5	2278.0	2265.6	2251.3	2241.0	2232.8	2204.1
20°	2358.0	2325.2	2284.1	2257.4	2224.6	2197.9	2189.7	2175.3	2167.1	2136.4	2099.4
22.5°	2261.5	2214.3	2163.0	2124.0	2087.1	2060.4	2039.9	2025.5	2005.0	1986.5	1929.1
25°	2140.5	2087.1	2033.7	1986.5	1937.3	1896.2	1859.3	1824.4	1814.2	1775.2	1719.8
27.5°	2023.5	1964.0	1910.6	1855.2	1791.6	1740.3	1676.7	1627.4	1594.6	1553.5	1502.2
30°	1898.3	1838.8	1767.0	1693.1	1619.2	1563.8	1492.0	1432.4	1391.4	1348.3	1301.1
32.5°	1740.3	1668.4	1582.3	1500.2	1432.4	1366.8	1294.9	1237.5	1196.4	1157.4	1112.3
35°	1559.7	1465.3	1372.9	1282.6	1210.8	1155.4	1091.8	1048.7	1019.9	985.1	937.9
37.5°	1352.4	1245.7	1147.2	1077.4	1013.8	960.4	915.3	888.6	857.8	839.4	810.6
40°	1143.1	1038.4	942.0	878.3	825.0	794.2	769.6	763.4	742.9	718.3	699.8
42.5°	958.4	857.8	763.4	712.1	677.2	669.0	656.7	656.7	646.4	628.0	615.7
45°	833.2	728.5	646.4	609.5	591.0	589.0	582.8	582.8	580.8	572.6	558.2
47.5°	742.9	648.5	584.9	562.3	558.2	554.1	547.9	545.9	543.8	537.7	529.5
50°	660.8	580.8	539.7	529.5	531.5	525.4	519.2	513.1	511.0	504.8	496.6
52.5°	584.9	527.4	500.7	494.6	494.6	494.6	490.5	490.5	486.4	484.3	476.1
55°	541.8	498.7	484.3	482.3	480.2	478.2	474.1	474.1	470.0	467.9	457.6
57.5°	504.8	478.2	470.0	465.9	463.8	459.7	457.6	457.6	457.6	457.6	445.3
60°	476.1	463.8	461.7	457.6	455.6	447.4	443.3	441.2	443.3	445.3	433.0
62.5°	445.3	443.3	441.2	437.1	435.1	426.9	420.7	416.6	420.7	424.8	422.8
63°	437.1	435.1	435.1	433.0	431.0	420.7	414.5	410.4	414.5	418.7	418.7
65°	408.4	410.4	410.4	408.4	406.3	400.2	392.0	387.9	389.9	396.1	398.1
67.5°	377.6	379.7	377.6	379.7	377.6	373.5	367.3	363.2	361.2	363.2	365.3
70°	348.9	353.0	350.9	348.9	346.8	346.8	342.7	336.6	334.5	332.5	332.5
72.5°	324.2	324.2	320.1	320.1	318.1	318.1	314.0	307.8	305.8	305.8	301.7
75°	297.6	297.6	291.4	291.4	287.3	289.4	285.3	279.1	277.0	277.0	275.0
77.5°	281.2	275.0	264.7	262.7	260.6	260.6	258.6	252.4	250.4	250.4	248.3
80°	248.3	236.0	225.7	223.7	225.7	229.8	229.8	225.7	225.7	225.7	225.7
82.5°	192.9	188.8	182.6	178.5	178.5	184.7	192.9	197.0	201.1	205.2	205.2
85°	141.6	143.7	141.6	135.4	133.4	139.6	147.8	156.0	158.0	166.2	164.2
87.5°	75.9	78.0	71.8	69.8	75.9	80.0	88.2	90.3	94.4	96.5	98.5
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: P152971

CATALOG NUMBER: TLM-E06-LED-E1-SLL-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°	2181.5	2179.4	2181.5	2177.4	2177.4	2173.3	2169.2	2167.1	2163.0	2161.0	2156.9
5°	2218.4	2212.3	2206.1	2204.1	2195.9	2187.7	2181.5	2171.2	2163.0	2148.7	2144.6
7.5°	2243.1	2228.7	2220.5	2218.4	2206.1	2200.0	2185.6	2173.3	2161.0	2142.5	2136.4
10°	2253.3	2239.0	2224.6	2218.4	2204.1	2193.8	2179.4	2161.0	2150.7	2132.2	2128.1
12.5°	2265.6	2239.0	2216.4	2200.0	2179.4	2156.9	2142.5	2132.2	2117.9	2107.6	2103.5
15°	2243.1	2208.2	2173.3	2142.5	2109.7	2085.0	2070.7	2054.3	2037.8	2031.7	2031.7
17.5°	2181.5	2136.4	2076.8	2037.8	2003.0	1976.3	1957.8	1941.4	1939.3	1931.1	1935.2
20°	2054.3	1994.7	1937.3	1908.6	1888.0	1871.6	1853.1	1844.9	1838.8	1826.5	1822.4
22.5°	1877.8	1828.5	1787.5	1767.0	1750.5	1730.0	1713.6	1689.0	1682.8	1670.5	1664.3
25°	1682.8	1643.8	1608.9	1594.6	1584.3	1555.6	1545.3	1512.5	1489.9	1475.5	1483.7
27.5°	1487.9	1459.1	1426.3	1407.8	1401.7	1375.0	1364.7	1327.8	1309.3	1309.3	1288.8
30°	1286.7	1260.1	1239.5	1219.0	1214.9	1182.1	1155.4	1141.0	1120.5	1112.3	1097.9
32.5°	1097.9	1071.3	1054.8	1044.6	1028.2	1001.5	974.8	950.2	917.3	905.0	898.9
35°	923.5	903.0	882.5	874.2	851.7	822.9	790.1	769.6	730.6	716.2	710.1
37.5°	790.1	765.5	751.1	728.5	706.0	675.2	650.6	632.1	617.7	611.6	611.6
40°	683.4	664.9	648.5	630.0	611.6	595.1	582.8	578.7	576.7	576.7	580.8
42.5°	603.4	586.9	578.7	568.5	562.3	562.3	560.3	562.3	564.4	566.4	572.6
45°	550.0	539.7	535.6	533.6	537.7	541.8	543.8	547.9	556.1	560.3	562.3
47.5°	521.3	513.1	511.0	513.1	519.2	527.4	535.6	541.8	547.9	550.0	552.0
50°	492.5	482.3	478.2	482.3	490.5	502.8	508.9	519.2	523.3	527.4	523.3
52.5°	467.9	459.7	457.6	457.6	465.9	474.1	482.3	490.5	492.5	492.5	490.5
55°	447.4	441.2	435.1	439.2	445.3	453.5	465.9	472.0	476.1	478.2	478.2
57.5°	431.0	424.8	418.7	422.8	428.9	437.1	449.4	455.6	459.7	465.9	467.9
60°	418.7	410.4	404.3	410.4	416.6	428.9	439.2	445.3	455.6	457.6	457.6
62.5°	406.3	398.1	387.9	394.0	394.0	400.2	410.4	418.7	428.9	433.0	433.0
63°	404.3	396.1	385.8	389.9	389.9	394.0	402.2	410.4	422.8	426.9	424.8
65°	387.9	385.8	375.6	375.6	371.5	375.6	381.7	389.9	396.1	402.2	402.2
67.5°	361.2	359.1	357.1	357.1	357.1	361.2	365.3	371.5	377.6	381.7	379.7
70°	330.4	330.4	330.4	332.5	332.5	336.6	338.6	336.6	342.7	346.8	344.8
72.5°	303.7	301.7	299.6	303.7	301.7	301.7	305.8	303.7	309.9	309.9	311.9
75°	275.0	272.9	272.9	275.0	270.9	266.8	268.8	268.8	270.9	270.9	275.0
77.5°	250.4	250.4	250.4	248.3	244.2	242.2	240.1	240.1	240.1	240.1	242.2
80°	227.8	227.8	227.8	225.7	221.6	217.5	213.4	211.4	209.3	199.1	199.1
82.5°	205.2	205.2	205.2	205.2	203.2	199.1	192.9	176.5	168.3	160.1	162.1
85°	162.1	166.2	170.3	176.5	174.4	174.4	162.1	141.6	129.3	121.1	123.1
87.5°	104.7	92.3	92.3	90.3	86.2	82.1	82.1	69.8	57.5	51.3	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: P152971

CATALOG NUMBER: TLM-E06-LED-E1-SLL-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°	2156.9	2152.8	2148.7	2148.7	2142.5	2142.5	2138.4	2146.6	2138.4	2132.2	2132.2
5°	2140.5	2136.4	2124.0	2122.0	2113.8	2113.8	2113.8	2109.7	2109.7	2105.6	2103.5
7.5°	2130.2	2119.9	2109.7	2103.5	2103.5	2099.4	2107.6	2103.5	2105.6	2105.6	2107.6
10°	2122.0	2113.8	2109.7	2107.6	2107.6	2113.8	2119.9	2122.0	2119.9	2122.0	2122.0
12.5°	2101.5	2105.6	2107.6	2115.8	2126.1	2138.4	2152.8	2154.8	2158.9	2158.9	2163.0
15°	2035.8	2046.1	2058.4	2078.9	2105.6	2132.2	2158.9	2181.5	2202.0	2212.3	2220.5
17.5°	1943.4	1953.7	1976.3	1998.9	2033.7	2072.7	2117.9	2156.9	2200.0	2239.0	2278.0
20°	1818.3	1834.7	1840.8	1881.9	1922.9	1976.3	2029.6	2091.2	2165.1	2239.0	2314.9
22.5°	1656.1	1674.6	1703.3	1736.2	1779.3	1844.9	1908.6	2005.0	2103.5	2208.2	2327.2
25°	1475.5	1496.1	1520.7	1555.6	1598.7	1668.4	1760.8	1863.4	1984.5	2122.0	2269.7
27.5°	1288.8	1309.3	1329.8	1354.5	1403.7	1477.6	1586.4	1693.1	1826.5	1976.3	2148.7
30°	1102.0	1104.1	1116.4	1147.2	1198.5	1294.9	1375.0	1508.4	1647.9	1805.9	2005.0
32.5°	896.8	894.8	909.1	935.8	985.1	1077.4	1175.9	1305.2	1442.7	1641.8	1847.0
35°	714.2	714.2	740.8	767.5	822.9	888.6	974.8	1089.7	1251.8	1436.5	1641.8
37.5°	617.7	632.1	648.5	675.2	718.3	769.6	845.5	946.1	1073.3	1249.8	1438.6
40°	586.9	595.1	609.5	634.1	671.1	718.3	773.7	849.6	948.1	1089.7	1262.1
42.5°	574.6	576.7	584.9	603.4	636.2	683.4	740.8	808.6	882.5	983.0	1132.8
45°	562.3	560.3	564.4	578.7	605.4	658.8	724.4	798.3	872.2	956.3	1079.5
47.5°	552.0	552.0	552.0	558.2	582.8	636.2	712.1	798.3	886.6	981.0	1102.0
50°	523.3	521.3	521.3	525.4	543.8	601.3	691.6	796.3	911.2	1034.3	1171.8
52.5°	490.5	490.5	492.5	494.6	511.0	568.5	669.0	796.3	939.9	1104.1	1276.5
55°	480.2	482.3	484.3	482.3	494.6	543.8	644.4	783.9	952.2	1159.5	1389.3
57.5°	472.0	476.1	476.1	474.1	482.3	523.3	619.8	759.3	942.0	1180.0	1469.4
60°	459.7	459.7	459.7	453.5	457.6	494.6	582.8	720.3	909.1	1161.6	1481.7
62.5°	433.0	433.0	428.9	426.9	424.8	453.5	533.6	662.9	849.6	1112.3	1450.9
63°	426.9	424.8	424.8	418.7	418.7	445.3	523.3	654.7	833.2	1100.0	1438.6
65°	404.3	404.3	404.3	400.2	398.1	418.7	482.3	597.2	769.6	1042.5	1377.0
67.5°	379.7	381.7	377.6	375.6	373.5	385.8	435.1	525.4	671.1	921.4	1262.1
70°	344.8	346.8	346.8	344.8	342.7	350.9	381.7	451.5	556.1	767.5	1075.4
72.5°	314.0	318.1	318.1	322.2	322.2	328.4	340.7	375.6	445.3	599.2	845.5
75°	281.2	283.2	287.3	291.4	287.3	285.3	287.3	314.0	348.9	443.3	603.4
77.5°	252.4	258.6	258.6	256.5	250.4	246.3	246.3	258.6	287.3	336.6	431.0
80°	209.3	219.6	221.6	215.5	209.3	209.3	213.4	221.6	240.1	277.0	326.3
82.5°	168.3	178.5	180.6	182.6	180.6	186.8	186.8	188.8	199.1	227.8	266.8
85°	129.3	137.5	143.7	145.7	147.8	149.8	147.8	137.5	143.7	162.1	180.6
87.5°	57.5	59.5	55.4	57.5	55.4	57.5	59.5	49.3	47.2	63.6	65.7
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: P152971

CATALOG NUMBER: TLM-E06-LED-E1-SLL-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°	2130.2	2130.2	2132.2	2128.1	2128.1	2130.2	2124.0
5°	2097.4	2105.6	2105.6	2105.6	2101.5	2105.6	2107.6
7.5°	2105.6	2111.7	2115.8	2115.8	2113.8	2122.0	2128.1
10°	2115.8	2126.1	2130.2	2130.2	2130.2	2140.5	2154.8
12.5°	2154.8	2163.0	2169.2	2169.2	2173.3	2185.6	2202.0
15°	2226.6	2236.9	2236.9	2234.9	2247.2	2261.5	2280.0
17.5°	2306.7	2335.4	2349.8	2347.7	2358.0	2376.5	2397.0
20°	2382.6	2462.7	2497.5	2522.2	2532.4	2557.1	2563.2
22.5°	2446.2	2579.6	2676.1	2758.2	2797.2	2821.8	2850.5
25°	2423.7	2604.3	2776.6	2944.9	3064.0	3185.0	3236.3
27.5°	2331.3	2557.1	2782.8	3029.1	3244.5	3460.0	3616.0
30°	2218.4	2489.3	2793.1	3141.9	3482.6	3813.0	4075.7
32.5°	2089.2	2425.7	2815.6	3246.6	3694.0	4127.0	4506.7
35°	1927.0	2304.6	2760.2	3256.9	3784.3	4309.6	4802.2
37.5°	1721.8	2140.5	2630.9	3183.0	3788.4	4389.7	4978.7
40°	1516.6	1933.2	2466.8	3076.3	3735.0	4408.1	5089.5
42.5°	1372.9	1748.5	2300.5	2940.8	3648.8	4379.4	5142.8
45°	1274.4	1615.1	2152.8	2817.7	3556.5	4328.1	5151.0
47.5°	1266.2	1557.6	2056.3	2727.4	3482.6	4283.0	5151.0
50°	1336.0	1588.4	2023.5	2682.2	3451.8	4268.6	5155.2
52.5°	1467.3	1711.5	2083.0	2717.1	3476.4	4287.1	5173.6
55°	1625.4	1898.3	2243.1	2838.2	3581.1	4348.6	5214.7
57.5°	1769.0	2113.8	2516.0	3072.2	3772.0	4504.6	5329.6
60°	1853.1	2298.5	2805.4	3400.5	4098.3	4814.5	5559.4
62.5°	1863.4	2401.1	3061.9	3757.6	4494.3	5169.5	5926.8
63°	1855.2	2409.3	3094.7	3825.3	4578.5	5257.8	6054.0
65°	1810.0	2411.3	3187.1	4063.4	4869.9	5629.2	6409.1
67.5°	1695.1	2345.7	3219.9	4250.1	5237.2	6117.6	7071.9
70°	1496.1	2158.9	3123.5	4254.2	5378.8	6390.6	7490.6
72.5°	1202.6	1803.9	2706.9	3870.5	5005.3	6121.7	7381.8
75°	880.4	1325.7	2046.1	2998.3	4083.9	5095.6	6322.9
77.5°	584.9	857.8	1379.1	2136.4	2928.5	3667.3	4551.8
80°	402.2	531.5	806.5	1284.7	1791.6	2150.7	2899.8
82.5°	295.5	350.9	447.4	656.7	861.9	1061.0	1514.5
85°	184.7	201.1	223.7	324.2	463.8	625.9	944.0
87.5°	49.3	51.3	47.2	63.6	100.6	96.5	106.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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