

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: P148959

Luminaire Tested: **TLM-E04-LED-E1-RW-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P148959  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TLM-E04-LED-E1-RW-7030  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (84) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

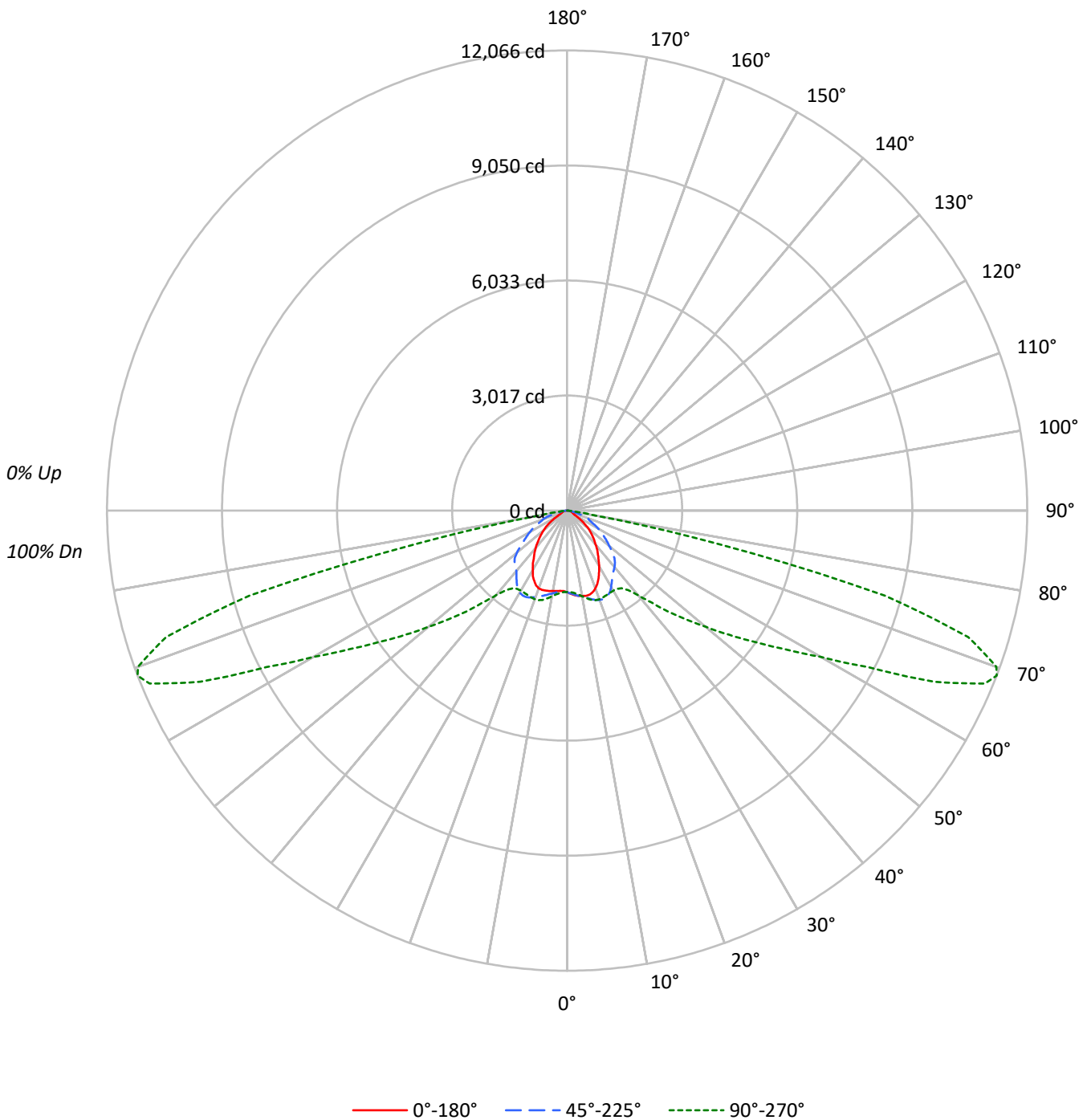
Lumens per Lamp: N/A  
Luminaire Lumens: 11413.0 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: TLM-E04-LED-E1-RW-7030

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79					79			
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61					61			
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48					48			
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39					39			
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32					32			
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27					27			
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23					23			
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20					20			
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18					18			
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16					16			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	34356	34356	34356
5°	35881	34978	34075
10°	37111	37230	34984
15°	37958	40287	36094
20°	37040	42287	37122
25°	34561	43325	36116
30°	31108	44978	33412
35°	27634	48747	29880
40°	24365	60658	26920
45°	21305	84998	23518
50°	17928	118492	20180
55°	12926	168163	15862
60°	7708	246240	9469
65°	6945	403450	6945
70°	7093	562651	7206
75°	7560	535493	7939
80°	7660	68954	8336
85°	4940	17290	6968



TEST NUMBER: P148959

CATALOG NUMBER: TLM-E04-LED-E1-RW-7030

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.8	1.8
10°-20°	661.7	5.8
20°-30°	1072.0	9.4
30°-40°	1336.0	11.7
40°-50°	1669.5	14.6
50°-60°	2061.5	18.1
60°-70°	2561.5	22.4
70°-80°	1700.5	14.9
80°-90°	140.4	1.2
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°	1943.5	17.0
0°-40°	3279.5	28.7
0°-60°	7010.6	61.4
0°-90°	11413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11413.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2138	2138	2138	2138	2138	
5°	2225	2212	2169	2135	2113	214
15°	2282	2399	2422	2303	2170	639
25°	1950	2483	2444	2506	2037	891
35°	1409	2075	2486	2309	1524	883
45°	938	1748	3741	1951	1035	723
55°	462	1182	6004	1386	566	412
65°	183	686	10613	872	183	184
75°	122	270	8627	352	128	127
85°	27	51	94	67	38	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5
2.5°	2187.2	2194.5	2187.2	2187.2	2181.1	2175.0	2171.3	2162.8	2157.9	2155.5	2155.5
5°	2224.9	2223.7	2224.9	2224.9	2218.8	2211.5	2206.7	2199.3	2192.0	2190.8	2189.6
7.5°	2252.9	2251.7	2255.4	2262.7	2259.0	2252.9	2252.9	2245.6	2240.8	2240.8	2238.3
10°	2274.9	2276.1	2283.4	2294.3	2296.8	2295.6	2304.1	2301.6	2299.2	2301.6	2299.2
12.5°	2289.5	2290.7	2300.4	2321.1	2334.5	2343.0	2365.0	2366.2	2367.4	2367.4	2367.4
15°	2282.2	2282.2	2301.6	2340.6	2373.5	2399.1	2427.1	2431.9	2427.1	2430.7	2428.3
17.5°	2239.5	2242.0	2273.6	2333.3	2400.3	2456.3	2486.7	2478.2	2469.7	2469.7	2466.0
20°	2166.5	2171.3	2214.0	2298.0	2403.9	2492.8	2540.3	2512.3	2489.2	2485.5	2481.9
22.5°	2076.3	2072.7	2123.8	2229.8	2375.9	2508.7	2573.2	2539.1	2497.7	2489.2	2483.1
25°	1949.7	1952.1	2005.7	2123.8	2305.3	2483.1	2583.0	2565.9	2517.2	2506.2	2492.8
27.5°	1810.9	1817.0	1874.2	1994.8	2195.7	2419.8	2572.0	2592.7	2554.9	2542.8	2530.6
30°	1676.9	1680.6	1745.1	1874.2	2060.5	2307.7	2542.8	2621.9	2602.4	2592.7	2581.7
32.5°	1534.4	1546.6	1602.6	1748.8	1953.4	2184.7	2497.7	2652.4	2659.7	2653.6	2647.5
35°	1409.0	1418.7	1482.1	1635.5	1849.8	2075.1	2442.9	2685.2	2735.2	2734.0	2732.7
37.5°	1295.7	1298.2	1365.2	1521.0	1747.5	1998.4	2385.7	2738.8	2827.7	2839.9	2854.5
40°	1161.8	1174.0	1243.4	1411.4	1646.5	1932.6	2337.0	2810.7	2956.8	2983.6	3004.3
42.5°	1054.6	1054.6	1116.7	1283.6	1527.1	1857.1	2319.9	2900.8	3110.3	3146.8	3183.3
45°	937.7	941.4	1001.0	1153.3	1390.7	1747.5	2317.5	3000.7	3282.0	3334.3	3379.4
47.5°	826.9	829.3	892.6	1040.0	1249.5	1596.5	2287.0	3111.5	3462.2	3537.7	3587.6
50°	717.3	713.6	774.5	924.3	1124.0	1440.7	2189.6	3255.2	3686.3	3761.8	3819.0
52.5°	582.1	591.9	657.6	800.1	1001.0	1307.9	1991.1	3396.4	3917.7	4002.9	4080.8
55°	461.5	460.3	534.6	663.7	868.3	1182.5	1756.1	3496.3	4143.0	4241.6	4328.1
57.5°	331.2	334.9	398.2	526.1	730.7	1070.4	1578.3	3479.3	4317.1	4434.0	4543.6
60°	239.9	247.2	294.7	388.5	583.3	941.4	1454.1	3282.0	4436.4	4596.0	4728.7
62.5°	202.2	208.2	249.6	300.8	450.6	806.2	1333.5	2965.3	4591.1	4801.8	4994.2
65°	182.7	187.5	228.9	258.2	345.9	685.6	1258.0	2741.3	4794.5	5114.8	5377.8
67.5°	164.4	171.7	208.2	230.2	293.5	612.6	1236.1	2707.2	4833.4	5257.2	5631.1
69°	155.9	163.2	196.1	215.6	276.4	589.4	1194.7	2584.2	4578.9	5034.4	5453.3
70°	151.0	157.1	186.3	207.0	271.6	567.5	1136.2	2403.9	4308.6	4767.7	5218.3
72.5°	138.8	142.5	166.8	187.5	249.6	436.0	861.0	1736.6	3216.2	3670.5	4112.5
75°	121.8	125.4	147.4	168.1	193.6	270.4	522.4	1030.3	1974.1	2279.7	2723.0
77.5°	104.7	108.4	126.7	158.3	153.4	176.6	319.1	616.2	1035.1	1187.4	1471.1
80°	82.8	87.7	105.9	152.2	127.9	140.0	233.8	455.5	629.6	692.9	767.2
82.5°	58.5	60.9	80.4	121.8	96.2	105.9	175.4	378.7	505.4	551.7	573.6
85°	26.8	28.0	47.5	71.9	57.2	51.1	93.8	242.3	334.9	348.3	367.8
87.5°	0.0	0.0	4.9	4.9	9.7	6.1	11.0	30.4	51.1	51.1	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: P148959

CATALOG NUMBER: TLM-E04-LED-E1-RW-7030

**CANDELA DISTRIBUTION (continued):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5
2.5°	2156.7	2155.5	2156.7	2156.7	2157.9	2153.1	2151.9	2150.6	2149.4	2150.6	2148.2
5°	2189.6	2188.4	2188.4	2189.6	2188.4	2184.7	2183.5	2183.5	2179.9	2178.6	2178.6
7.5°	2239.5	2237.1	2233.4	2235.9	2237.1	2235.9	2237.1	2233.4	2233.4	2229.8	2231.0
10°	2301.6	2299.2	2298.0	2300.4	2301.6	2300.4	2301.6	2296.8	2295.6	2294.3	2291.9
12.5°	2369.8	2365.0	2368.6	2368.6	2369.8	2374.7	2368.6	2371.1	2366.2	2366.2	2365.0
15°	2429.5	2428.3	2430.7	2430.7	2429.5	2433.2	2431.9	2433.2	2427.1	2424.6	2430.7
17.5°	2467.3	2463.6	2464.8	2463.6	2463.6	2463.6	2466.0	2466.0	2462.4	2461.2	2463.6
20°	2477.0	2470.9	2469.7	2468.5	2466.0	2466.0	2467.3	2464.8	2462.4	2460.0	2462.4
22.5°	2474.6	2467.3	2460.0	2456.3	2452.7	2447.8	2446.6	2444.1	2440.5	2440.5	2441.7
25°	2483.1	2469.7	2458.7	2451.4	2441.7	2435.6	2430.7	2424.6	2418.6	2414.9	2416.1
27.5°	2512.3	2497.7	2483.1	2468.5	2453.9	2441.7	2431.9	2421.0	2411.2	2403.9	2400.3
30°	2567.1	2547.6	2530.6	2513.5	2495.3	2478.2	2462.4	2445.3	2427.1	2416.1	2406.4
32.5°	2630.4	2617.1	2606.1	2586.6	2567.1	2546.4	2526.9	2512.3	2485.5	2464.8	2447.8
35°	2726.7	2721.8	2715.7	2701.1	2679.2	2668.2	2652.4	2629.2	2597.6	2579.3	2553.7
37.5°	2859.4	2860.6	2855.7	2849.7	2852.1	2831.4	2821.6	2819.2	2787.5	2775.4	2737.6
40°	3022.6	3040.8	3056.7	3056.7	3068.9	3070.1	3067.6	3088.3	3065.2	3070.1	3029.9
42.5°	3204.0	3247.9	3272.2	3290.5	3330.7	3349.0	3379.4	3424.5	3426.9	3450.0	3452.5
45°	3418.4	3467.1	3513.4	3560.8	3614.4	3677.8	3741.1	3787.4	3860.4	3876.3	3928.6
47.5°	3641.2	3711.9	3765.4	3826.3	3917.7	3999.3	4093.0	4188.0	4272.0	4331.7	4365.8
50°	3887.2	3959.1	4037.0	4105.2	4202.6	4317.1	4447.4	4577.7	4686.1	4792.0	4877.3
52.5°	4160.0	4239.2	4312.2	4401.1	4499.8	4636.2	4778.6	4957.7	5102.6	5247.5	5352.2
55°	4421.8	4510.7	4577.7	4691.0	4793.3	4933.3	5109.9	5321.8	5522.7	5698.1	5840.6
57.5°	4649.6	4737.2	4831.0	4928.4	5052.7	5192.7	5409.5	5650.6	5879.5	6109.7	6320.4
60°	4862.7	4980.8	5083.1	5212.2	5336.4	5498.4	5756.5	6054.9	6367.9	6654.1	6864.7
62.5°	5184.2	5335.2	5455.7	5615.3	5788.2	5979.4	6264.4	6593.2	7001.1	7370.1	7697.7
65°	5633.5	5864.9	6059.8	6255.8	6466.5	6729.6	7037.7	7455.4	7906.0	8451.5	8883.9
67.5°	5953.8	6243.7	6495.7	6741.7	6984.1	7275.1	7656.3	8145.9	8729.2	9302.8	9852.0
69°	5824.7	6131.6	6411.7	6656.5	6912.2	7203.3	7574.7	8111.8	8706.1	9336.9	9881.2
70°	5553.2	5884.4	6184.0	6417.8	6679.6	6968.3	7378.7	7891.3	8497.8	9150.6	9683.9
72.5°	4465.7	4815.2	5111.1	5370.5	5644.5	5983.1	6348.4	6840.4	7512.6	8152.0	8626.9
75°	3076.2	3402.5	3737.4	3931.1	4245.3	4486.4	4833.4	5337.6	5899.0	6369.1	6808.7
77.5°	1740.2	1915.6	2168.9	2248.1	2473.4	2634.1	2818.0	3128.5	3420.8	3693.6	3772.7
80°	791.6	739.2	764.8	725.8	768.4	741.6	711.2	728.2	724.6	779.4	728.2
82.5°	569.9	492.0	409.2	353.2	310.5	263.0	224.1	200.9	198.5	208.2	204.6
85°	364.1	332.5	260.6	209.5	160.7	124.2	103.5	93.8	93.8	99.9	98.6
87.5°	63.3	54.8	34.1	29.2	25.6	17.0	11.0	11.0	9.7	12.2	15.8
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: P148959

CATALOG NUMBER: TLM-E04-LED-E1-RW-7030

**CANDELA DISTRIBUTION (continued):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5
2.5°	2148.2	2147.0	2144.5	2143.3	2143.3	2140.9	2139.7	2142.1	2143.3	2144.5	2140.9
5°	2178.6	2175.0	2173.8	2175.0	2168.9	2170.1	2168.9	2170.1	2170.1	2170.1	2167.7
7.5°	2227.4	2223.7	2226.1	2223.7	2220.1	2218.8	2218.8	2215.2	2210.3	2209.1	2210.3
10°	2294.3	2289.5	2290.7	2291.9	2288.2	2285.8	2282.2	2277.3	2277.3	2276.1	2273.6
12.5°	2366.2	2363.8	2363.8	2365.0	2363.8	2358.9	2354.0	2351.6	2350.4	2350.4	2350.4
15°	2428.3	2427.1	2428.3	2427.1	2427.1	2424.6	2422.2	2418.6	2417.3	2418.6	2419.8
17.5°	2463.6	2460.0	2463.6	2464.8	2463.6	2463.6	2463.6	2461.2	2460.0	2460.0	2461.2
20°	2466.0	2463.6	2466.0	2469.7	2469.7	2470.9	2473.4	2474.6	2473.4	2475.8	2477.0
22.5°	2441.7	2441.7	2445.3	2449.0	2455.1	2457.5	2462.4	2464.8	2467.3	2470.9	2473.4
25°	2417.3	2416.1	2419.8	2427.1	2431.9	2438.0	2444.1	2449.0	2453.9	2458.7	2463.6
27.5°	2400.3	2399.1	2401.5	2407.6	2413.7	2421.0	2430.7	2438.0	2444.1	2450.2	2453.9
30°	2401.5	2396.6	2395.4	2400.3	2406.4	2414.9	2424.6	2433.2	2441.7	2446.6	2450.2
32.5°	2436.8	2424.6	2419.8	2418.6	2421.0	2427.1	2434.4	2442.9	2449.0	2453.9	2455.1
35°	2528.2	2505.0	2500.1	2484.3	2486.7	2485.5	2485.5	2490.4	2495.3	2495.3	2486.7
37.5°	2713.3	2680.4	2657.2	2641.4	2625.6	2624.4	2621.9	2619.5	2607.3	2600.0	2598.8
40°	3001.9	2988.5	2944.6	2932.5	2905.7	2887.4	2892.3	2882.5	2853.3	2842.3	2837.5
42.5°	3423.2	3430.5	3406.2	3349.0	3325.8	3290.5	3261.3	3256.4	3229.6	3207.7	3190.6
45°	3917.7	3931.1	3912.8	3871.4	3830.0	3776.4	3741.1	3672.9	3646.1	3612.0	3588.9
47.5°	4425.5	4462.0	4432.8	4396.3	4373.1	4289.1	4216.0	4136.9	4096.7	4048.0	4026.0
50°	4929.7	4994.2	4977.2	4943.1	4917.5	4811.5	4740.9	4631.3	4608.2	4559.4	4532.7
52.5°	5433.8	5497.2	5534.9	5503.2	5485.0	5399.7	5351.0	5263.3	5197.6	5167.1	5165.9
55°	5942.9	6045.2	6104.8	6093.9	6063.4	6052.5	6003.8	5995.2	5944.1	5911.2	5867.4
57.5°	6440.9	6549.3	6652.8	6713.7	6739.3	6730.8	6753.9	6751.5	6758.8	6755.1	6683.3
60°	7074.2	7245.9	7396.9	7493.1	7584.5	7647.8	7663.6	7757.4	7730.6	7789.1	7677.0
62.5°	7968.1	8190.9	8419.9	8520.9	8633.0	8838.8	8887.5	8998.3	9015.4	9030.0	8970.3
65°	9213.9	9506.2	9852.0	10006.7	10182.0	10446.3	10613.1	10731.3	10727.6	10647.2	10570.5
67.5°	10277.0	10622.9	10940.7	11209.9	11471.7	11677.5	11852.9	12012.4	12020.9	11971.0	11839.5
69°	10368.4	10730.0	11075.9	11399.8	11659.2	11888.2	12066.0	12190.2	12217.0	12173.1	12051.4
70°	10199.1	10564.4	10940.7	11251.3	11544.7	11787.1	11978.3	12097.6	12134.2	12089.1	11974.6
72.5°	9157.9	9512.2	9793.6	10158.9	10576.6	10728.8	11023.5	11121.0	11211.1	11151.4	11083.2
75°	7174.1	7507.7	7798.8	7988.8	8180.0	8556.3	8626.9	8809.6	8871.7	8813.2	8888.7
77.5°	3737.4	3962.7	4060.1	3907.9	3931.1	4228.2	4060.1	4257.4	4370.7	4403.6	4451.1
80°	714.8	751.4	779.4	769.6	779.4	801.3	745.3	714.8	755.0	746.5	746.5
82.5°	210.7	207.0	207.0	218.0	216.8	221.6	221.6	213.1	219.2	219.2	220.4
85°	96.2	91.3	90.1	91.3	90.1	90.1	93.8	93.8	101.1	95.0	96.2
87.5°	12.2	11.0	12.2	12.2	9.7	9.7	11.0	12.2	12.2	11.0	11.0
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: P148959

CATALOG NUMBER: TLM-E04-LED-E1-RW-7030

**CANDELA DISTRIBUTION (continued):**

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5	2138.5
2.5°	2139.7	2138.5	2138.5	2138.5	2137.2	2136.0	2134.8	2131.2	2127.5	2126.3	2120.2
5°	2162.8	2164.0	2161.6	2159.2	2159.2	2159.2	2155.5	2145.8	2138.5	2134.8	2126.3
7.5°	2211.5	2209.1	2205.4	2204.2	2201.8	2203.0	2195.7	2183.5	2170.1	2161.6	2148.2
10°	2276.1	2273.6	2271.2	2268.8	2265.1	2265.1	2256.6	2238.3	2217.6	2203.0	2178.6
12.5°	2351.6	2349.1	2346.7	2345.5	2339.4	2338.2	2326.0	2304.1	2277.3	2249.3	2214.0
15°	2421.0	2417.3	2416.1	2412.5	2408.8	2407.6	2396.6	2367.4	2334.5	2302.9	2256.6
17.5°	2464.8	2462.4	2458.7	2456.3	2455.1	2453.9	2438.0	2413.7	2388.1	2356.4	2300.4
20°	2479.4	2480.7	2478.2	2475.8	2472.1	2469.7	2455.1	2431.9	2427.1	2410.0	2352.8
22.5°	2477.0	2477.0	2475.8	2470.9	2468.5	2462.4	2441.7	2430.7	2457.5	2464.8	2391.8
25°	2467.3	2466.0	2462.4	2458.7	2451.4	2442.9	2411.2	2417.3	2492.8	2506.2	2400.3
27.5°	2456.3	2455.1	2449.0	2440.5	2429.5	2417.3	2377.1	2417.3	2525.7	2514.8	2365.0
30°	2450.2	2445.3	2436.8	2424.6	2410.0	2396.6	2352.8	2449.0	2548.9	2485.5	2267.5
32.5°	2451.4	2442.9	2430.7	2414.9	2397.8	2382.0	2351.6	2505.0	2557.4	2414.9	2129.9
35°	2480.7	2467.3	2451.4	2435.6	2418.6	2403.9	2406.4	2583.0	2556.2	2308.9	1997.2
37.5°	2586.6	2563.5	2552.5	2535.5	2511.1	2498.9	2547.6	2669.4	2539.1	2179.9	1880.3
40°	2820.4	2800.9	2785.1	2741.3	2749.8	2740.1	2786.3	2787.5	2517.2	2071.5	1782.9
42.5°	3161.4	3161.4	3127.3	3121.2	3098.1	3109.0	3129.7	2926.4	2495.3	2006.9	1686.7
45°	3563.3	3593.7	3580.3	3576.7	3594.9	3616.9	3521.9	3090.8	2496.5	1950.9	1574.6
47.5°	4040.7	4066.2	4079.6	4101.6	4124.7	4111.3	3915.2	3263.7	2518.4	1870.5	1430.9
50°	4548.5	4610.6	4630.1	4658.1	4678.8	4682.4	4287.9	3441.5	2541.5	1723.2	1275.0
52.5°	5178.1	5236.5	5257.2	5276.7	5260.9	5247.5	4653.2	3652.2	2523.3	1547.8	1142.3
55°	5918.5	5929.5	5925.8	5901.5	5888.1	5815.0	4991.8	3876.3	2380.8	1385.9	1015.6
57.5°	6689.4	6694.2	6650.4	6565.2	6466.5	6397.1	5316.9	4061.4	2078.8	1255.6	890.2
60°	7681.9	7582.0	7507.7	7377.4	7216.7	7068.1	5665.2	4164.9	1790.2	1130.1	748.9
62.5°	8880.2	8680.5	8519.7	8388.2	8150.7	7888.9	6109.7	4178.3	1614.8	1010.8	588.2
65°	10431.7	10221.0	9947.0	9721.7	9464.7	9111.6	6827.0	4082.1	1528.3	871.9	429.9
67.5°	11653.1	11440.0	11133.1	10881.0	10549.8	10138.2	7421.3	3914.0	1507.6	746.5	338.5
69°	11866.2	11633.6	11357.2	11041.8	10689.9	10250.2	7444.4	3719.2	1476.0	699.0	310.5
70°	11788.3	11546.0	11279.3	10944.4	10549.8	10098.0	7269.1	3502.4	1412.6	672.2	300.8
72.5°	10913.9	10544.9	10277.0	9990.8	9511.0	9053.1	6258.3	2649.9	1099.7	566.3	281.3
75°	8737.7	8422.3	8120.3	7977.8	7579.6	7191.1	4698.3	1683.0	718.5	351.9	220.4
77.5°	4454.7	4397.5	4483.9	4419.4	4132.0	4132.0	2899.6	893.9	422.6	211.9	168.1
80°	800.1	834.2	818.4	852.5	792.8	880.5	1019.3	600.4	299.6	162.0	137.6
82.5°	224.1	226.5	224.1	225.3	232.6	244.8	529.7	516.3	231.4	121.8	107.2
85°	104.7	105.9	108.4	108.4	118.1	120.6	355.6	370.2	135.2	67.0	71.9
87.5°	12.2	15.8	15.8	14.6	17.0	17.0	65.8	74.3	18.3	13.4	21.9
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: P148959

CATALOG NUMBER: TLM-E04-LED-E1-RW-7030

**CANDELA DISTRIBUTION (continued):**

	155°	165°	175°	180°
0°	2138.5	2138.5	2138.5	2138.5
2.5°	2115.3	2110.4	2105.6	2109.2
5°	2122.6	2115.3	2109.2	2112.9
7.5°	2142.1	2129.9	2128.7	2128.7
10°	2166.5	2149.4	2144.5	2144.5
12.5°	2192.0	2168.9	2160.4	2160.4
15°	2218.8	2186.0	2173.8	2170.1
17.5°	2249.3	2203.0	2181.1	2181.1
20°	2278.5	2205.4	2172.6	2171.3
22.5°	2283.4	2177.4	2129.9	2127.5
25°	2246.8	2111.7	2049.6	2037.4
27.5°	2160.4	2009.4	1943.6	1941.2
30°	2030.1	1875.4	1808.4	1801.1
32.5°	1902.2	1737.8	1675.7	1675.7
35°	1773.1	1612.4	1532.0	1523.5
37.5°	1653.8	1479.6	1407.8	1406.6
40°	1544.2	1363.9	1294.5	1283.6
42.5°	1434.6	1242.2	1163.0	1160.6
45°	1304.3	1109.4	1041.2	1035.1
47.5°	1165.4	990.1	918.2	917.0
50°	1040.0	879.3	807.4	807.4
52.5°	925.5	770.9	699.0	691.7
55°	796.4	647.9	574.8	566.3
57.5°	656.4	510.3	444.5	426.2
60°	507.8	371.4	304.5	294.7
62.5°	370.2	271.6	221.6	214.3
65°	278.9	231.4	190.0	182.7
67.5°	239.9	208.2	172.9	165.6
69°	222.9	197.3	165.6	158.3
70°	215.6	190.0	159.5	153.4
72.5°	198.5	174.1	146.1	143.7
75°	181.5	158.3	131.5	127.9
77.5°	175.4	137.6	113.3	110.8
80°	179.0	112.0	92.6	90.1
82.5°	146.1	90.1	71.9	68.2
85°	91.3	60.9	37.8	37.8
87.5°	23.1	19.5	11.0	11.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)