

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: P148960

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148960
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
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

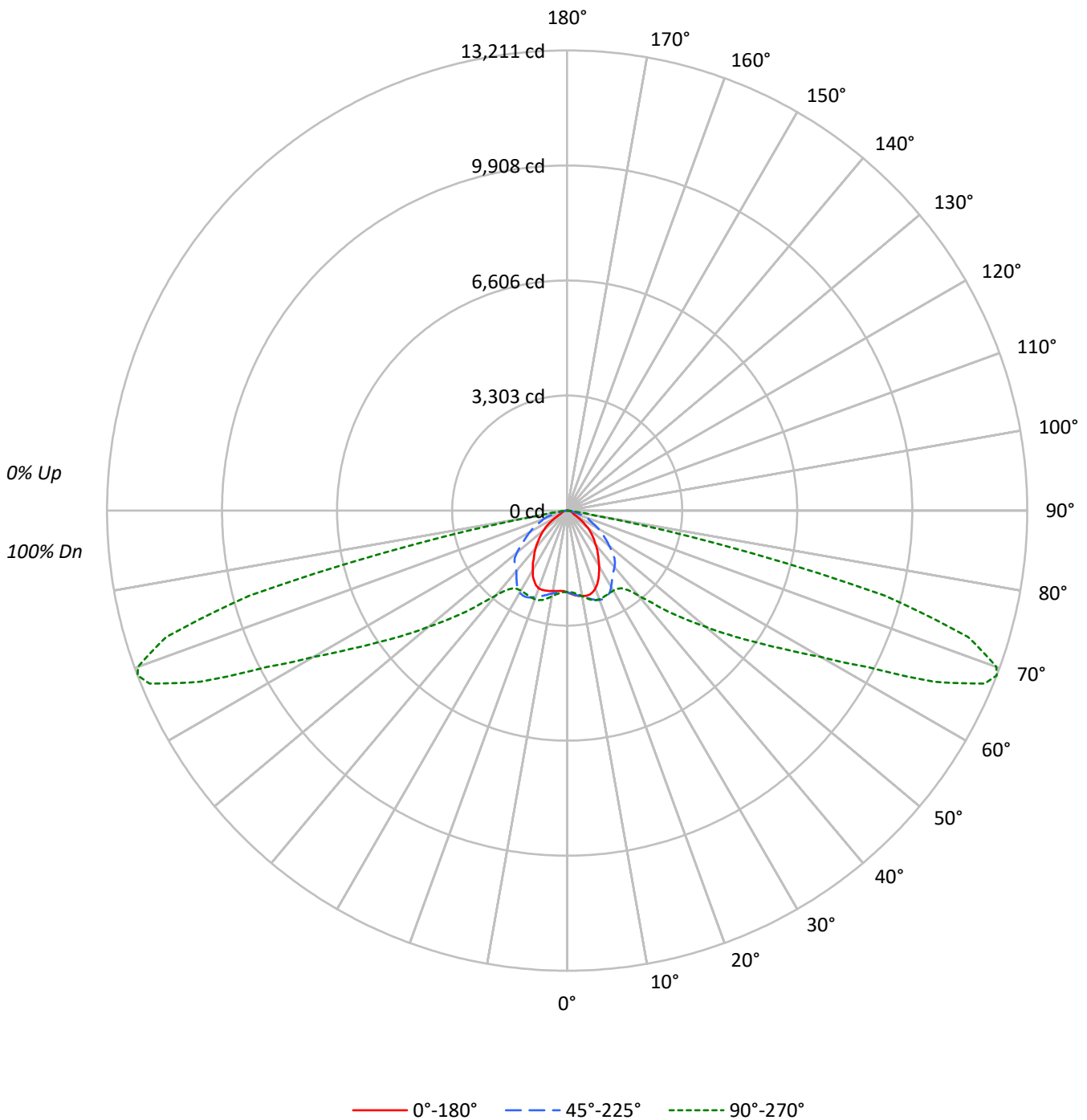
Lumens per Lamp: N/A
Luminaire Lumens: 12495.8 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (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



TEST NUMBER: P148960
CATALOG NUMBER: TLM-E04-LED-E1-RW

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°	37614	37614	37614
5°	39285	38297	37306
10°	40632	40762	38304
15°	41559	44109	39518
20°	40553	46298	40644
25°	37840	47436	39542
30°	34059	49247	36582
35°	30256	53371	32713
40°	26676	66412	29472
45°	23327	93062	25749
50°	19627	129734	22094
55°	14153	184114	17366
60°	8441	269602	10369
65°	7603	441726	7603
70°	7765	616030	7891
75°	8274	586293	8690
80°	8391	75495	9132
85°	5401	18931	7613



TEST NUMBER: P148960

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	1.8
10°-20°	724.5	5.8
20°-30°	1173.7	9.4
30°-40°	1462.8	11.7
40°-50°	1827.9	14.6
50°-60°	2257.1	18.1
60°-70°	2804.5	22.4
70°-80°	1861.8	14.9
80°-90°	153.7	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°	2127.9	17.0
0°-40°	3590.7	28.7
0°-60°	7675.7	61.4
0°-90°	12495.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12495.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2341	2341	2341	2341	2341	
5°	2436	2421	2375	2337	2313	234
15°	2499	2627	2652	2521	2376	699
25°	2135	2719	2676	2744	2231	975
35°	1543	2272	2721	2528	1668	966
45°	1027	1913	4096	2136	1133	792
55°	505	1295	6573	1517	620	451
65°	200	751	11620	955	200	202
75°	133	296	9445	385	140	139
85°	29	56	103	73	41	38
90°	0	0	0	0	0	



TEST NUMBER: P148960

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3
2.5°	2394.7	2402.7	2394.7	2394.7	2388.0	2381.3	2377.3	2368.0	2362.7	2360.0	2360.0
5°	2436.0	2434.7	2436.0	2436.0	2429.3	2421.3	2416.0	2408.0	2400.0	2398.7	2397.3
7.5°	2466.7	2465.3	2469.3	2477.3	2473.3	2466.7	2466.7	2458.7	2453.3	2453.3	2450.7
10°	2490.7	2492.0	2500.0	2512.0	2514.7	2513.3	2522.7	2520.0	2517.3	2520.0	2517.3
12.5°	2506.7	2508.0	2518.7	2541.3	2556.0	2565.3	2589.3	2590.7	2592.0	2592.0	2592.0
15°	2498.7	2498.7	2520.0	2562.7	2598.7	2626.7	2657.3	2662.7	2657.3	2661.3	2658.7
17.5°	2452.0	2454.7	2489.3	2554.7	2628.0	2689.3	2722.7	2713.3	2704.0	2704.0	2700.0
20°	2372.0	2377.3	2424.0	2516.0	2632.0	2729.3	2781.3	2750.7	2725.3	2721.3	2717.3
22.5°	2273.3	2269.3	2325.3	2441.3	2601.3	2746.7	2817.3	2780.0	2734.7	2725.3	2718.7
25°	2134.7	2137.3	2196.0	2325.3	2524.0	2718.7	2828.0	2809.3	2756.0	2744.0	2729.3
27.5°	1982.7	1989.3	2052.0	2184.0	2404.0	2649.3	2816.0	2838.7	2797.3	2784.0	2770.7
30°	1836.0	1840.0	1910.7	2052.0	2256.0	2526.7	2784.0	2870.7	2849.3	2838.7	2826.7
32.5°	1680.0	1693.3	1754.7	1914.7	2138.7	2392.0	2734.7	2904.0	2912.0	2905.3	2898.7
35°	1542.7	1553.3	1622.7	1790.7	2025.3	2272.0	2674.7	2940.0	2994.7	2993.3	2992.0
37.5°	1418.7	1421.3	1494.7	1665.3	1913.3	2188.0	2612.0	2998.7	3096.0	3109.3	3125.3
40°	1272.0	1285.3	1361.3	1545.3	1802.7	2116.0	2558.7	3077.3	3237.3	3266.7	3289.3
42.5°	1154.7	1154.7	1222.7	1405.3	1672.0	2033.3	2540.0	3176.0	3405.3	3445.3	3485.3
45°	1026.7	1030.7	1096.0	1262.7	1522.7	1913.3	2537.3	3285.3	3593.3	3650.7	3700.0
47.5°	905.3	908.0	977.3	1138.7	1368.0	1748.0	2504.0	3406.7	3790.7	3873.3	3928.0
50°	785.3	781.3	848.0	1012.0	1230.7	1577.3	2397.3	3564.0	4036.0	4118.7	4181.3
52.5°	637.3	648.0	720.0	876.0	1096.0	1432.0	2180.0	3718.7	4289.3	4382.7	4468.0
55°	505.3	504.0	585.3	726.7	950.7	1294.7	1922.7	3828.0	4536.0	4644.0	4738.7
57.5°	362.7	366.7	436.0	576.0	800.0	1172.0	1728.0	3809.3	4726.7	4854.7	4974.7
60°	262.7	270.7	322.7	425.3	638.7	1030.7	1592.0	3593.3	4857.3	5032.0	5177.3
62.5°	221.3	228.0	273.3	329.3	493.3	882.7	1460.0	3246.7	5026.7	5257.3	5468.0
65°	200.0	205.3	250.7	282.7	378.7	750.7	1377.3	3001.3	5249.3	5600.0	5888.0
67.5°	180.0	188.0	228.0	252.0	321.3	670.7	1353.3	2964.0	5292.0	5756.0	6165.3
69°	170.7	178.7	214.7	236.0	302.7	645.3	1308.0	2829.3	5013.3	5512.0	5970.7
70°	165.3	172.0	204.0	226.7	297.3	621.3	1244.0	2632.0	4717.3	5220.0	5713.3
72.5°	152.0	156.0	182.7	205.3	273.3	477.3	942.7	1901.3	3521.3	4018.7	4502.7
75°	133.3	137.3	161.3	184.0	212.0	296.0	572.0	1128.0	2161.3	2496.0	2981.3
77.5°	114.7	118.7	138.7	173.3	168.0	193.3	349.3	674.7	1133.3	1300.0	1610.7
80°	90.7	96.0	116.0	166.7	140.0	153.3	256.0	498.7	689.3	758.7	840.0
82.5°	64.0	66.7	88.0	133.3	105.3	116.0	192.0	414.7	553.3	604.0	628.0
85°	29.3	30.7	52.0	78.7	62.7	56.0	102.7	265.3	366.7	381.3	402.7
87.5°	0.0	0.0	5.3	5.3	10.7	6.7	12.0	33.3	56.0	56.0	68.0
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: P148960

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

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3
2.5°	2361.3	2360.0	2361.3	2361.3	2362.7	2357.3	2356.0	2354.7	2353.3	2354.7	2352.0
5°	2397.3	2396.0	2396.0	2397.3	2396.0	2392.0	2390.7	2390.7	2386.7	2385.3	2385.3
7.5°	2452.0	2449.3	2445.3	2448.0	2449.3	2448.0	2449.3	2445.3	2445.3	2441.3	2442.7
10°	2520.0	2517.3	2516.0	2518.7	2520.0	2518.7	2520.0	2514.7	2513.3	2512.0	2509.3
12.5°	2594.7	2589.3	2593.3	2593.3	2594.7	2600.0	2593.3	2596.0	2590.7	2590.7	2589.3
15°	2660.0	2658.7	2661.3	2661.3	2660.0	2664.0	2662.7	2664.0	2657.3	2654.7	2661.3
17.5°	2701.3	2697.3	2698.7	2697.3	2697.3	2697.3	2700.0	2700.0	2696.0	2694.7	2697.3
20°	2712.0	2705.3	2704.0	2702.7	2700.0	2700.0	2701.3	2698.7	2696.0	2693.3	2696.0
22.5°	2709.3	2701.3	2693.3	2689.3	2685.3	2680.0	2678.7	2676.0	2672.0	2672.0	2673.3
25°	2718.7	2704.0	2692.0	2684.0	2673.3	2666.7	2661.3	2654.7	2648.0	2644.0	2645.3
27.5°	2750.7	2734.7	2718.7	2702.7	2686.7	2673.3	2662.7	2650.7	2640.0	2632.0	2628.0
30°	2810.7	2789.3	2770.7	2752.0	2732.0	2713.3	2696.0	2677.3	2657.3	2645.3	2634.7
32.5°	2880.0	2865.3	2853.3	2832.0	2810.7	2788.0	2766.7	2750.7	2721.3	2698.7	2680.0
35°	2985.3	2980.0	2973.3	2957.3	2933.3	2921.3	2904.0	2878.7	2844.0	2824.0	2796.0
37.5°	3130.7	3132.0	3126.7	3120.0	3122.7	3100.0	3089.3	3086.7	3052.0	3038.7	2997.3
40°	3309.3	3329.3	3346.7	3346.7	3360.0	3361.3	3358.7	3381.3	3356.0	3361.3	3317.3
42.5°	3508.0	3556.0	3582.7	3602.7	3646.7	3666.7	3700.0	3749.3	3752.0	3777.3	3780.0
45°	3742.7	3796.0	3846.7	3898.7	3957.3	4026.7	4096.0	4146.7	4226.7	4244.0	4301.3
47.5°	3986.7	4064.0	4122.7	4189.3	4289.3	4378.7	4481.3	4585.3	4677.3	4742.7	4780.0
50°	4256.0	4334.7	4420.0	4494.7	4601.3	4726.7	4869.3	5012.0	5130.7	5246.7	5340.0
52.5°	4554.7	4641.3	4721.3	4818.7	4926.7	5076.0	5232.0	5428.0	5586.7	5745.3	5860.0
55°	4841.3	4938.7	5012.0	5136.0	5248.0	5401.3	5594.7	5826.7	6046.7	6238.7	6394.7
57.5°	5090.7	5186.7	5289.3	5396.0	5532.0	5685.3	5922.7	6186.7	6437.3	6689.3	6920.0
60°	5324.0	5453.3	5565.3	5706.7	5842.7	6020.0	6302.7	6629.3	6972.0	7285.3	7516.0
62.5°	5676.0	5841.3	5973.3	6148.0	6337.3	6546.7	6858.7	7218.7	7665.3	8069.3	8428.0
65°	6168.0	6421.3	6634.7	6849.3	7080.0	7368.0	7705.3	8162.7	8656.0	9253.3	9726.7
67.5°	6518.7	6836.0	7112.0	7381.3	7646.7	7965.3	8382.7	8918.7	9557.3	10185.3	10786.7
69°	6377.3	6713.3	7020.0	7288.0	7568.0	7886.7	8293.3	8881.3	9532.0	10222.7	10818.7
70°	6080.0	6442.7	6770.7	7026.7	7313.3	7629.3	8078.7	8640.0	9304.0	10018.7	10602.7
72.5°	4889.3	5272.0	5596.0	5880.0	6180.0	6550.7	6950.7	7489.3	8225.3	8925.3	9445.3
75°	3368.0	3725.3	4092.0	4304.0	4648.0	4912.0	5292.0	5844.0	6458.7	6973.3	7454.7
77.5°	1905.3	2097.3	2374.7	2461.3	2708.0	2884.0	3085.3	3425.3	3745.3	4044.0	4130.7
80°	866.7	809.3	837.3	794.7	841.3	812.0	778.7	797.3	793.3	853.3	797.3
82.5°	624.0	538.7	448.0	386.7	340.0	288.0	245.3	220.0	217.3	228.0	224.0
85°	398.7	364.0	285.3	229.3	176.0	136.0	113.3	102.7	102.7	109.3	108.0
87.5°	69.3	60.0	37.3	32.0	28.0	18.7	12.0	12.0	10.7	13.3	17.3
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: P148960

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

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3
2.5°	2352.0	2350.7	2348.0	2346.7	2346.7	2344.0	2342.7	2345.3	2346.7	2348.0	2344.0
5°	2385.3	2381.3	2380.0	2381.3	2374.7	2376.0	2374.7	2376.0	2376.0	2376.0	2373.3
7.5°	2438.7	2434.7	2437.3	2434.7	2430.7	2429.3	2429.3	2425.3	2420.0	2418.7	2420.0
10°	2512.0	2506.7	2508.0	2509.3	2505.3	2502.7	2498.7	2493.3	2493.3	2492.0	2489.3
12.5°	2590.7	2588.0	2588.0	2589.3	2588.0	2582.7	2577.3	2574.7	2573.3	2573.3	2573.3
15°	2658.7	2657.3	2658.7	2657.3	2657.3	2654.7	2652.0	2648.0	2646.7	2648.0	2649.3
17.5°	2697.3	2693.3	2697.3	2698.7	2697.3	2697.3	2697.3	2694.7	2693.3	2693.3	2694.7
20°	2700.0	2697.3	2700.0	2704.0	2704.0	2705.3	2708.0	2709.3	2708.0	2710.7	2712.0
22.5°	2673.3	2673.3	2677.3	2681.3	2688.0	2690.7	2696.0	2698.7	2701.3	2705.3	2708.0
25°	2646.7	2645.3	2649.3	2657.3	2662.7	2669.3	2676.0	2681.3	2686.7	2692.0	2697.3
27.5°	2628.0	2626.7	2629.3	2636.0	2642.7	2650.7	2661.3	2669.3	2676.0	2682.7	2686.7
30°	2629.3	2624.0	2622.7	2628.0	2634.7	2644.0	2654.7	2664.0	2673.3	2678.7	2682.7
32.5°	2668.0	2654.7	2649.3	2648.0	2650.7	2657.3	2665.3	2674.7	2681.3	2686.7	2688.0
35°	2768.0	2742.7	2737.3	2720.0	2722.7	2721.3	2721.3	2726.7	2732.0	2732.0	2722.7
37.5°	2970.7	2934.7	2909.3	2892.0	2874.7	2873.3	2870.7	2868.0	2854.7	2846.7	2845.3
40°	3286.7	3272.0	3224.0	3210.7	3181.3	3161.3	3166.7	3156.0	3124.0	3112.0	3106.7
42.5°	3748.0	3756.0	3729.3	3666.7	3641.3	3602.7	3570.7	3565.3	3536.0	3512.0	3493.3
45°	4289.3	4304.0	4284.0	4238.7	4193.3	4134.7	4096.0	4021.3	3992.0	3954.7	3929.3
47.5°	4845.3	4885.3	4853.3	4813.3	4788.0	4696.0	4616.0	4529.3	4485.3	4432.0	4408.0
50°	5397.3	5468.0	5449.3	5412.0	5384.0	5268.0	5190.7	5070.7	5045.3	4992.0	4962.7
52.5°	5949.3	6018.7	6060.0	6025.3	6005.3	5912.0	5858.7	5762.7	5690.7	5657.3	5656.0
55°	6506.7	6618.7	6684.0	6672.0	6638.7	6626.7	6573.3	6564.0	6508.0	6472.0	6424.0
57.5°	7052.0	7170.7	7284.0	7350.7	7378.7	7369.3	7394.7	7392.0	7400.0	7396.0	7317.3
60°	7745.3	7933.3	8098.7	8204.0	8304.0	8373.3	8390.7	8493.3	8464.0	8528.0	8405.3
62.5°	8724.0	8968.0	9218.7	9329.3	9452.0	9677.3	9730.7	9852.0	9870.7	9886.7	9821.3
65°	10088.0	10408.0	10786.7	10956.0	11148.0	11437.3	11620.0	11749.3	11745.3	11657.3	11573.3
67.5°	11252.0	11630.7	11978.7	12273.3	12560.0	12785.3	12977.3	13152.0	13161.3	13106.7	12962.7
69°	11352.0	11748.0	12126.7	12481.3	12765.3	13016.0	13210.7	13346.7	13376.0	13328.0	13194.7
70°	11166.7	11566.7	11978.7	12318.7	12640.0	12905.3	13114.7	13245.3	13285.3	13236.0	13110.7
72.5°	10026.7	10414.7	10722.7	11122.7	11580.0	11746.7	12069.3	12176.0	12274.7	12209.3	12134.7
75°	7854.7	8220.0	8538.7	8746.7	8956.0	9368.0	9445.3	9645.3	9713.3	9649.3	9732.0
77.5°	4092.0	4338.7	4445.3	4278.7	4304.0	4629.3	4445.3	4661.3	4785.3	4821.3	4873.3
80°	782.7	822.7	853.3	842.7	853.3	877.3	816.0	782.7	826.7	817.3	817.3
82.5°	230.7	226.7	226.7	238.7	237.3	242.7	242.7	233.3	240.0	240.0	241.3
85°	105.3	100.0	98.7	100.0	98.7	98.7	102.7	102.7	110.7	104.0	105.3
87.5°	13.3	12.0	13.3	13.3	10.7	10.7	12.0	13.3	13.3	12.0	12.0
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: P148960

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

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3
2.5°	2342.7	2341.3	2341.3	2341.3	2340.0	2338.7	2337.3	2333.3	2329.3	2328.0	2321.3
5°	2368.0	2369.3	2366.7	2364.0	2364.0	2364.0	2360.0	2349.3	2341.3	2337.3	2328.0
7.5°	2421.3	2418.7	2414.7	2413.3	2410.7	2412.0	2404.0	2390.7	2376.0	2366.7	2352.0
10°	2492.0	2489.3	2486.7	2484.0	2480.0	2480.0	2470.7	2450.7	2428.0	2412.0	2385.3
12.5°	2574.7	2572.0	2569.3	2568.0	2561.3	2560.0	2546.7	2522.7	2493.3	2462.7	2424.0
15°	2650.7	2646.7	2645.3	2641.3	2637.3	2636.0	2624.0	2592.0	2556.0	2521.3	2470.7
17.5°	2698.7	2696.0	2692.0	2689.3	2688.0	2686.7	2669.3	2642.7	2614.7	2580.0	2518.7
20°	2714.7	2716.0	2713.3	2710.7	2706.7	2704.0	2688.0	2662.7	2657.3	2638.7	2576.0
22.5°	2712.0	2712.0	2710.7	2705.3	2702.7	2696.0	2673.3	2661.3	2690.7	2698.7	2618.7
25°	2701.3	2700.0	2696.0	2692.0	2684.0	2674.7	2640.0	2646.7	2729.3	2744.0	2628.0
27.5°	2689.3	2688.0	2681.3	2672.0	2660.0	2646.7	2602.7	2646.7	2765.3	2753.3	2589.3
30°	2682.7	2677.3	2668.0	2654.7	2638.7	2624.0	2576.0	2681.3	2790.7	2721.3	2482.7
32.5°	2684.0	2674.7	2661.3	2644.0	2625.3	2608.0	2574.7	2742.7	2800.0	2644.0	2332.0
35°	2716.0	2701.3	2684.0	2666.7	2648.0	2632.0	2634.7	2828.0	2798.7	2528.0	2186.7
37.5°	2832.0	2806.7	2794.7	2776.0	2749.3	2736.0	2789.3	2922.7	2780.0	2386.7	2058.7
40°	3088.0	3066.7	3049.3	3001.3	3010.7	3000.0	3050.7	3052.0	2756.0	2268.0	1952.0
42.5°	3461.3	3461.3	3424.0	3417.3	3392.0	3404.0	3426.7	3204.0	2732.0	2197.3	1846.7
45°	3901.3	3934.7	3920.0	3916.0	3936.0	3960.0	3856.0	3384.0	2733.3	2136.0	1724.0
47.5°	4424.0	4452.0	4466.7	4490.7	4516.0	4501.3	4286.7	3573.3	2757.3	2048.0	1566.7
50°	4980.0	5048.0	5069.3	5100.0	5122.7	5126.7	4694.7	3768.0	2782.7	1886.7	1396.0
52.5°	5669.3	5733.3	5756.0	5777.3	5760.0	5745.3	5094.7	3998.7	2762.7	1694.7	1250.7
55°	6480.0	6492.0	6488.0	6461.3	6446.7	6366.7	5465.3	4244.0	2606.7	1517.3	1112.0
57.5°	7324.0	7329.3	7281.3	7188.0	7080.0	7004.0	5821.3	4446.7	2276.0	1374.7	974.7
60°	8410.7	8301.3	8220.0	8077.3	7901.3	7738.7	6202.7	4560.0	1960.0	1237.3	820.0
62.5°	9722.7	9504.0	9328.0	9184.0	8924.0	8637.3	6689.3	4574.7	1768.0	1106.7	644.0
65°	11421.3	11190.7	10890.7	10644.0	10362.7	9976.0	7474.7	4469.3	1673.3	954.7	470.7
67.5°	12758.7	12525.3	12189.3	11913.3	11550.7	11100.0	8125.3	4285.3	1650.7	817.3	370.7
69°	12992.0	12737.3	12434.7	12089.3	11704.0	11222.7	8150.7	4072.0	1616.0	765.3	340.0
70°	12906.7	12641.3	12349.3	11982.7	11550.7	11056.0	7958.7	3834.7	1546.7	736.0	329.3
72.5°	11949.3	11545.3	11252.0	10938.7	10413.3	9912.0	6852.0	2901.3	1204.0	620.0	308.0
75°	9566.7	9221.3	8890.7	8734.7	8298.7	7873.3	5144.0	1842.7	786.7	385.3	241.3
77.5°	4877.3	4814.7	4909.3	4838.7	4524.0	4524.0	3174.7	978.7	462.7	232.0	184.0
80°	876.0	913.3	896.0	933.3	868.0	964.0	1116.0	657.3	328.0	177.3	150.7
82.5°	245.3	248.0	245.3	246.7	254.7	268.0	580.0	565.3	253.3	133.3	117.3
85°	114.7	116.0	118.7	118.7	129.3	132.0	389.3	405.3	148.0	73.3	78.7
87.5°	13.3	17.3	17.3	16.0	18.7	18.7	72.0	81.3	20.0	14.7	24.0
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: P148960

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

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	2341.3	2341.3	2341.3	2341.3
2.5°	2316.0	2310.7	2305.3	2309.3
5°	2324.0	2316.0	2309.3	2313.3
7.5°	2345.3	2332.0	2330.7	2330.7
10°	2372.0	2353.3	2348.0	2348.0
12.5°	2400.0	2374.7	2365.3	2365.3
15°	2429.3	2393.3	2380.0	2376.0
17.5°	2462.7	2412.0	2388.0	2388.0
20°	2494.7	2414.7	2378.7	2377.3
22.5°	2500.0	2384.0	2332.0	2329.3
25°	2460.0	2312.0	2244.0	2230.7
27.5°	2365.3	2200.0	2128.0	2125.3
30°	2222.7	2053.3	1980.0	1972.0
32.5°	2082.7	1902.7	1834.7	1834.7
35°	1941.3	1765.3	1677.3	1668.0
37.5°	1810.7	1620.0	1541.3	1540.0
40°	1690.7	1493.3	1417.3	1405.3
42.5°	1570.7	1360.0	1273.3	1270.7
45°	1428.0	1214.7	1140.0	1133.3
47.5°	1276.0	1084.0	1005.3	1004.0
50°	1138.7	962.7	884.0	884.0
52.5°	1013.3	844.0	765.3	757.3
55°	872.0	709.3	629.3	620.0
57.5°	718.7	558.7	486.7	466.7
60°	556.0	406.7	333.3	322.7
62.5°	405.3	297.3	242.7	234.7
65°	305.3	253.3	208.0	200.0
67.5°	262.7	228.0	189.3	181.3
69°	244.0	216.0	181.3	173.3
70°	236.0	208.0	174.7	168.0
72.5°	217.3	190.7	160.0	157.3
75°	198.7	173.3	144.0	140.0
77.5°	192.0	150.7	124.0	121.3
80°	196.0	122.7	101.3	98.7
82.5°	160.0	98.7	78.7	74.7
85°	100.0	66.7	41.3	41.3
87.5°	25.3	21.3	12.0	12.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)