

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: P148961

Luminaire Tested: **TLM-E04-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148961
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-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

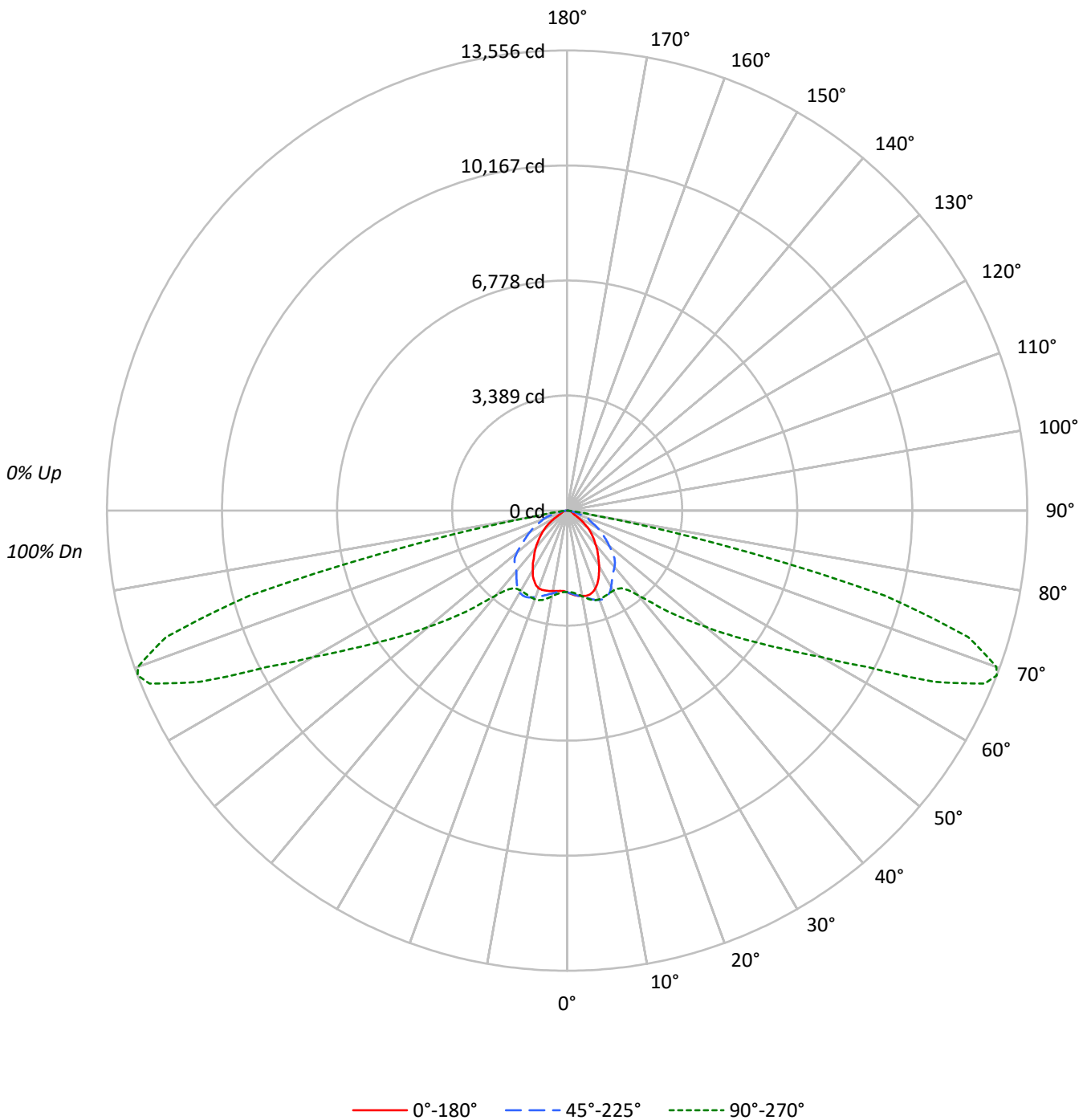
Lumens per Lamp: N/A
Luminaire Lumens: 12822.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

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



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CATALOG NUMBER: TLM-E04-LED-E1-RW-7050

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°	38597	38597	38597
5°	40311	39296	38280
10°	41692	41826	39304
15°	42643	45260	40549
20°	41611	47506	41705
25°	38828	48675	40574
30°	34948	50533	37538
35°	31044	54766	33567
40°	27373	68145	30242
45°	23936	95490	26421
50°	20140	133121	22672
55°	14523	188921	17820
60°	8659	276639	10639
65°	7801	453256	7801
70°	7967	632109	8098
75°	8492	601600	8920
80°	8604	77465	9363
85°	5548	19410	7816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.7	1.8
10°-20°	743.4	5.8
20°-30°	1204.4	9.4
30°-40°	1501.0	11.7
40°-50°	1875.6	14.6
50°-60°	2316.0	18.1
60°-70°	2877.8	22.4
70°-80°	1910.4	14.9
80°-90°	157.7	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°	2183.4	17.0
0°-40°	3684.4	28.7
0°-60°	7876.0	61.4
0°-90°	12822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12822.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2402	2402	2402	2402	2402	
5°	2500	2484	2437	2398	2374	240
15°	2564	2695	2721	2587	2438	717
25°	2190	2790	2746	2816	2289	1001
35°	1583	2331	2792	2594	1712	991
45°	1054	1963	4203	2192	1163	812
55°	518	1328	6745	1557	636	462
65°	205	770	11923	980	205	207
75°	137	304	9692	395	144	143
85°	30	58	105	75	42	39
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°	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5
2.5°	2457.2	2465.4	2457.2	2457.2	2450.3	2443.5	2439.4	2429.8	2424.3	2421.6	2421.6
5°	2499.6	2498.2	2499.6	2499.6	2492.8	2484.5	2479.1	2470.9	2462.7	2461.3	2459.9
7.5°	2531.1	2529.7	2533.8	2542.0	2537.9	2531.1	2531.1	2522.9	2517.4	2517.4	2514.6
10°	2555.7	2557.1	2565.3	2577.6	2580.3	2578.9	2588.5	2585.8	2583.0	2585.8	2583.0
12.5°	2572.1	2573.5	2584.4	2607.7	2622.7	2632.3	2656.9	2658.3	2659.7	2659.7	2659.7
15°	2563.9	2563.9	2585.8	2629.6	2666.5	2695.2	2726.7	2732.2	2726.7	2730.8	2728.1
17.5°	2516.0	2518.7	2554.3	2621.4	2696.6	2759.5	2793.7	2784.2	2774.6	2774.6	2770.5
20°	2433.9	2439.4	2487.3	2581.7	2700.7	2800.6	2853.9	2822.5	2796.5	2792.4	2788.3
22.5°	2332.7	2328.6	2386.0	2505.1	2669.2	2818.4	2890.9	2852.6	2806.1	2796.5	2789.6
25°	2190.4	2193.1	2253.3	2386.0	2589.9	2789.6	2901.8	2882.7	2827.9	2815.6	2800.6
27.5°	2034.4	2041.3	2105.6	2241.0	2466.8	2718.5	2889.5	2912.8	2870.4	2856.7	2843.0
30°	1883.9	1888.0	1960.5	2105.6	2314.9	2592.6	2856.7	2945.6	2923.7	2912.8	2900.5
32.5°	1723.9	1737.5	1800.5	1964.6	2194.5	2454.4	2806.1	2979.8	2988.0	2981.2	2974.3
35°	1582.9	1593.9	1665.0	1837.4	2078.2	2331.3	2744.5	3016.8	3072.8	3071.5	3070.1
37.5°	1455.7	1458.4	1533.7	1708.8	1963.3	2245.1	2680.2	3076.9	3176.8	3190.5	3206.9
40°	1305.2	1318.9	1396.9	1585.7	1849.7	2171.2	2625.5	3157.7	3321.8	3351.9	3375.2
42.5°	1184.8	1184.8	1254.6	1442.0	1715.6	2086.4	2606.3	3258.9	3494.2	3535.3	3576.3
45°	1053.5	1057.6	1124.6	1295.6	1562.4	1963.3	2603.6	3371.1	3687.1	3746.0	3796.6
47.5°	929.0	931.7	1002.8	1168.4	1403.7	1793.6	2569.4	3495.6	3889.6	3974.4	4030.5
50°	805.8	801.7	870.1	1038.4	1262.8	1618.5	2459.9	3657.0	4141.4	4226.2	4290.5
52.5°	654.0	664.9	738.8	898.9	1124.6	1469.4	2236.9	3815.7	4401.3	4497.1	4584.6
55°	518.5	517.2	600.6	745.6	975.5	1328.5	1972.9	3927.9	4654.4	4765.2	4862.4
57.5°	372.1	376.2	447.4	591.0	820.9	1202.6	1773.1	3908.8	4850.1	4981.4	5104.5
60°	269.5	277.7	331.1	436.4	655.3	1057.6	1633.6	3687.1	4984.1	5163.4	5312.5
62.5°	227.1	234.0	280.5	337.9	506.2	905.7	1498.1	3331.4	5157.9	5394.6	5610.7
65°	205.2	210.7	257.2	290.0	388.6	770.3	1413.3	3079.7	5386.4	5746.2	6041.7
67.5°	184.7	192.9	234.0	258.6	329.7	688.2	1388.7	3041.4	5430.2	5906.3	6326.3
69°	175.1	183.3	220.3	242.2	310.6	662.2	1342.1	2903.2	5144.2	5655.9	6126.5
70°	169.6	176.5	209.3	232.6	305.1	637.6	1276.5	2700.7	4840.5	5356.3	5862.5
72.5°	156.0	160.1	187.4	210.7	280.5	489.8	967.3	1951.0	3613.3	4123.6	4620.2
75°	136.8	140.9	165.5	188.8	217.5	303.7	586.9	1157.4	2217.8	2561.2	3059.2
77.5°	117.7	121.8	142.3	177.9	172.4	198.4	358.5	692.3	1162.9	1333.9	1652.7
80°	93.0	98.5	119.0	171.0	143.7	157.3	262.7	511.7	707.3	778.5	861.9
82.5°	65.7	68.4	90.3	136.8	108.1	119.0	197.0	425.5	567.8	619.8	644.4
85°	30.1	31.5	53.4	80.7	64.3	57.5	105.3	272.3	376.2	391.3	413.2
87.5°	0.0	0.0	5.5	5.5	10.9	6.8	12.3	34.2	57.5	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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5
2.5°	2423.0	2421.6	2423.0	2423.0	2424.3	2418.9	2417.5	2416.1	2414.8	2416.1	2413.4
5°	2459.9	2458.5	2458.5	2459.9	2458.5	2454.4	2453.1	2453.1	2449.0	2447.6	2447.6
7.5°	2516.0	2513.3	2509.2	2511.9	2513.3	2511.9	2513.3	2509.2	2509.2	2505.1	2506.4
10°	2585.8	2583.0	2581.7	2584.4	2585.8	2584.4	2585.8	2580.3	2578.9	2577.6	2574.8
12.5°	2662.4	2656.9	2661.0	2661.0	2662.4	2667.9	2661.0	2663.8	2658.3	2658.3	2656.9
15°	2729.4	2728.1	2730.8	2730.8	2729.4	2733.5	2732.2	2733.5	2726.7	2724.0	2730.8
17.5°	2771.9	2767.7	2769.1	2767.7	2767.7	2767.7	2770.5	2770.5	2766.4	2765.0	2767.7
20°	2782.8	2776.0	2774.6	2773.2	2770.5	2770.5	2771.9	2769.1	2766.4	2763.6	2766.4
22.5°	2780.1	2771.9	2763.6	2759.5	2755.4	2750.0	2748.6	2745.9	2741.8	2741.8	2743.1
25°	2789.6	2774.6	2762.3	2754.1	2743.1	2736.3	2730.8	2724.0	2717.1	2713.0	2714.4
27.5°	2822.5	2806.1	2789.6	2773.2	2756.8	2743.1	2732.2	2719.9	2708.9	2700.7	2696.6
30°	2884.0	2862.2	2843.0	2823.8	2803.3	2784.2	2766.4	2747.2	2726.7	2714.4	2703.4
32.5°	2955.2	2940.1	2927.8	2905.9	2884.0	2860.8	2838.9	2822.5	2792.4	2769.1	2750.0
35°	3063.3	3057.8	3051.0	3034.5	3009.9	2997.6	2979.8	2953.8	2918.2	2897.7	2869.0
37.5°	3212.4	3213.8	3208.3	3201.4	3204.2	3180.9	3170.0	3167.2	3131.7	3118.0	3075.6
40°	3395.7	3416.2	3434.0	3434.0	3447.7	3449.1	3446.3	3469.6	3443.6	3449.1	3403.9
42.5°	3599.6	3648.8	3676.2	3696.7	3741.9	3762.4	3796.6	3847.2	3849.9	3875.9	3878.7
45°	3840.4	3895.1	3947.1	4000.4	4060.6	4131.8	4202.9	4254.9	4337.0	4354.8	4413.6
47.5°	4090.7	4170.1	4230.3	4298.7	4401.3	4493.0	4598.3	4705.0	4799.4	4866.5	4904.8
50°	4367.1	4447.8	4535.4	4612.0	4721.5	4850.1	4996.4	5142.8	5264.6	5383.6	5479.4
52.5°	4673.6	4762.5	4844.6	4944.5	5055.3	5208.5	5368.6	5569.7	5732.5	5895.3	6013.0
55°	4967.7	5067.6	5142.8	5270.1	5385.0	5542.3	5740.7	5978.8	6204.5	6401.5	6561.6
57.5°	5223.6	5322.1	5427.4	5536.9	5676.4	5833.8	6077.3	6348.2	6605.4	6864.0	7100.6
60°	5463.0	5595.7	5710.6	5855.6	5995.2	6177.2	6467.2	6802.4	7154.0	7475.5	7712.2
62.5°	5824.2	5993.8	6129.3	6308.5	6502.8	6717.6	7037.7	7407.1	7865.4	8280.0	8648.0
65°	6329.0	6589.0	6807.9	7028.1	7264.8	7560.3	7906.5	8375.8	8882.0	9494.9	9980.6
67.5°	6688.8	7014.5	7297.7	7574.0	7846.3	8173.3	8601.5	9151.5	9806.8	10451.2	11068.3
69°	6543.8	6888.6	7203.3	7478.3	7765.6	8092.6	8509.8	9113.2	9780.8	10489.5	11101.1
70°	6238.7	6610.9	6947.4	7210.1	7504.3	7828.5	8289.6	8865.6	9546.9	10280.2	10879.5
72.5°	5017.0	5409.6	5742.1	6033.5	6341.3	6721.7	7132.1	7684.8	8440.1	9158.3	9691.9
75°	3455.9	3822.6	4198.8	4416.4	4769.3	5040.2	5430.2	5996.6	6627.3	7155.4	7649.3
77.5°	1955.1	2152.1	2436.7	2525.6	2778.7	2959.3	3165.9	3514.8	3843.1	4149.6	4238.5
80°	889.3	830.5	859.2	815.4	863.3	833.2	799.0	818.1	814.0	875.6	818.1
82.5°	640.3	552.7	459.7	396.8	348.9	295.5	251.7	225.7	223.0	234.0	229.8
85°	409.1	373.5	292.8	235.3	180.6	139.6	116.3	105.3	105.3	112.2	110.8
87.5°	71.1	61.6	38.3	32.8	28.7	19.2	12.3	12.3	10.9	13.7	17.8
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5
2.5°	2413.4	2412.0	2409.3	2407.9	2407.9	2405.2	2403.8	2406.6	2407.9	2409.3	2405.2
5°	2447.6	2443.5	2442.1	2443.5	2436.7	2438.0	2436.7	2438.0	2438.0	2438.0	2435.3
7.5°	2502.3	2498.2	2501.0	2498.2	2494.1	2492.8	2492.8	2488.6	2483.2	2481.8	2483.2
10°	2577.6	2572.1	2573.5	2574.8	2570.7	2568.0	2563.9	2558.4	2558.4	2557.1	2554.3
12.5°	2658.3	2655.6	2655.6	2656.9	2655.6	2650.1	2644.6	2641.9	2640.5	2640.5	2640.5
15°	2728.1	2726.7	2728.1	2726.7	2726.7	2724.0	2721.2	2717.1	2715.8	2717.1	2718.5
17.5°	2767.7	2763.6	2767.7	2769.1	2767.7	2767.7	2767.7	2765.0	2763.6	2763.6	2765.0
20°	2770.5	2767.7	2770.5	2774.6	2774.6	2776.0	2778.7	2780.1	2778.7	2781.4	2782.8
22.5°	2743.1	2743.1	2747.2	2751.3	2758.2	2760.9	2766.4	2769.1	2771.9	2776.0	2778.7
25°	2715.8	2714.4	2718.5	2726.7	2732.2	2739.0	2745.9	2751.3	2756.8	2762.3	2767.7
27.5°	2696.6	2695.2	2698.0	2704.8	2711.7	2719.9	2730.8	2739.0	2745.9	2752.7	2756.8
30°	2698.0	2692.5	2691.1	2696.6	2703.4	2713.0	2724.0	2733.5	2743.1	2748.6	2752.7
32.5°	2737.6	2724.0	2718.5	2717.1	2719.9	2726.7	2734.9	2744.5	2751.3	2756.8	2758.2
35°	2840.3	2814.3	2808.8	2791.0	2793.7	2792.4	2792.4	2797.8	2803.3	2803.3	2793.7
37.5°	3048.2	3011.3	2985.3	2967.5	2949.7	2948.3	2945.6	2942.9	2929.2	2921.0	2919.6
40°	3372.5	3357.4	3308.2	3294.5	3264.4	3243.9	3249.3	3238.4	3205.6	3193.2	3187.8
42.5°	3845.8	3854.1	3826.7	3762.4	3736.4	3696.7	3663.9	3658.4	3628.3	3603.7	3584.5
45°	4401.3	4416.4	4395.8	4349.3	4302.8	4242.6	4202.9	4126.3	4096.2	4057.9	4031.9
47.5°	4971.8	5012.9	4980.0	4939.0	4913.0	4818.6	4736.5	4647.6	4602.4	4547.7	4523.1
50°	5538.2	5610.7	5591.6	5553.3	5524.6	5405.5	5326.2	5203.0	5177.0	5122.3	5092.2
52.5°	6104.6	6175.8	6218.2	6182.6	6162.1	6066.3	6011.6	5913.1	5839.2	5805.0	5803.7
55°	6676.5	6791.4	6858.5	6846.2	6812.0	6799.7	6744.9	6735.4	6677.9	6641.0	6591.7
57.5°	7236.1	7357.9	7474.2	7542.6	7571.3	7561.7	7587.7	7585.0	7593.2	7589.1	7508.4
60°	7947.5	8140.4	8310.1	8418.2	8520.8	8591.9	8609.7	8715.1	8685.0	8750.6	8624.8
62.5°	8951.7	9202.1	9459.3	9572.9	9698.7	9930.0	9984.7	10109.2	10128.3	10144.8	10077.7
65°	10351.4	10679.7	11068.3	11242.0	11439.0	11735.9	11923.3	12056.1	12052.0	11961.7	11875.5
67.5°	11545.7	11934.3	12291.4	12593.7	12887.9	13119.1	13316.1	13495.3	13504.9	13448.8	13301.1
69°	11648.3	12054.7	12443.2	12807.2	13098.6	13355.8	13555.5	13695.1	13725.2	13675.9	13539.1
70°	11458.2	11868.6	12291.4	12640.3	12970.0	13242.2	13457.0	13591.1	13632.2	13581.5	13452.9
72.5°	10288.4	10686.5	11002.6	11413.0	11882.3	12053.3	12384.4	12493.9	12595.1	12528.1	12451.4
75°	8059.7	8434.6	8761.6	8975.0	9189.8	9612.6	9691.9	9897.1	9966.9	9901.2	9986.1
77.5°	4198.8	4451.9	4561.4	4390.4	4416.4	4750.2	4561.4	4783.0	4910.3	4947.2	5000.6
80°	803.1	844.1	875.6	864.7	875.6	900.2	837.3	803.1	848.2	838.7	838.7
82.5°	236.7	232.6	232.6	244.9	243.5	249.0	249.0	239.4	246.3	246.3	247.6
85°	108.1	102.6	101.2	102.6	101.2	101.2	105.3	105.3	113.6	106.7	108.1
87.5°	13.7	12.3	13.7	13.7	10.9	10.9	12.3	13.7	13.7	12.3	12.3
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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CATALOG NUMBER: TLM-E04-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5	2402.5
2.5°	2403.8	2402.5	2402.5	2402.5	2401.1	2399.7	2398.4	2394.2	2390.1	2388.8	2381.9
5°	2429.8	2431.2	2428.4	2425.7	2425.7	2425.7	2421.6	2410.7	2402.5	2398.4	2388.8
7.5°	2484.5	2481.8	2477.7	2476.3	2473.6	2475.0	2466.8	2453.1	2438.0	2428.4	2413.4
10°	2557.1	2554.3	2551.6	2548.8	2544.7	2544.7	2535.2	2514.6	2491.4	2475.0	2447.6
12.5°	2641.9	2639.1	2636.4	2635.0	2628.2	2626.8	2613.1	2588.5	2558.4	2527.0	2487.3
15°	2719.9	2715.8	2714.4	2710.3	2706.2	2704.8	2692.5	2659.7	2622.7	2587.2	2535.2
17.5°	2769.1	2766.4	2762.3	2759.5	2758.2	2756.8	2739.0	2711.7	2682.9	2647.4	2584.4
20°	2785.5	2786.9	2784.2	2781.4	2777.3	2774.6	2758.2	2732.2	2726.7	2707.6	2643.2
22.5°	2782.8	2782.8	2781.4	2776.0	2773.2	2766.4	2743.1	2730.8	2760.9	2769.1	2687.0
25°	2771.9	2770.5	2766.4	2762.3	2754.1	2744.5	2708.9	2715.8	2800.6	2815.6	2696.6
27.5°	2759.5	2758.2	2751.3	2741.8	2729.4	2715.8	2670.6	2715.8	2837.5	2825.2	2656.9
30°	2752.7	2747.2	2737.6	2724.0	2707.6	2692.5	2643.2	2751.3	2863.5	2792.4	2547.5
32.5°	2754.1	2744.5	2730.8	2713.0	2693.9	2676.1	2641.9	2814.3	2873.1	2713.0	2392.9
35°	2786.9	2771.9	2754.1	2736.3	2717.1	2700.7	2703.4	2901.8	2871.7	2594.0	2243.8
37.5°	2905.9	2879.9	2867.6	2848.5	2821.1	2807.4	2862.2	2999.0	2852.6	2449.0	2112.4
40°	3168.6	3146.7	3128.9	3079.7	3089.3	3078.3	3130.3	3131.7	2827.9	2327.2	2003.0
42.5°	3551.7	3551.7	3513.4	3506.5	3480.5	3492.9	3516.1	3287.6	2803.3	2254.7	1894.9
45°	4003.2	4037.4	4022.3	4018.2	4038.8	4063.4	3956.7	3472.3	2804.7	2191.8	1769.0
47.5°	4539.5	4568.2	4583.3	4607.9	4633.9	4618.8	4398.6	3666.6	2829.3	2101.5	1607.6
50°	5110.0	5179.8	5201.7	5233.1	5256.4	5260.5	4817.2	3866.4	2855.3	1935.9	1432.4
52.5°	5817.3	5883.0	5906.3	5928.2	5910.4	5895.3	5227.7	4103.1	2834.8	1738.9	1283.3
55°	6649.2	6661.5	6657.4	6630.0	6615.0	6532.9	5608.0	4354.8	2674.7	1556.9	1141.0
57.5°	7515.2	7520.7	7471.4	7375.6	7264.8	7186.8	5973.3	4562.7	2335.4	1410.6	1000.1
60°	8630.2	8518.0	8434.6	8288.2	8107.6	7940.7	6364.6	4679.0	2011.2	1269.6	841.4
62.5°	9976.5	9752.1	9571.5	9423.8	9157.0	8862.8	6864.0	4694.1	1814.2	1135.6	660.8
65°	11719.5	11482.8	11175.0	10921.9	10633.2	10236.4	7669.8	4586.0	1717.0	979.6	483.0
67.5°	13091.7	12852.3	12507.5	12224.3	11852.2	11389.8	8337.4	4397.2	1693.8	838.7	380.3
69°	13331.2	13069.8	12759.3	12404.9	12009.5	11515.6	8363.4	4178.3	1658.2	785.3	348.9
70°	13243.6	12971.3	12671.7	12295.5	11852.2	11344.6	8166.4	3934.8	1587.0	755.2	337.9
72.5°	12261.3	11846.7	11545.7	11224.2	10685.2	10170.8	7030.9	2977.1	1235.4	636.2	316.0
75°	9816.4	9462.1	9122.8	8962.7	8515.3	8078.9	5278.3	1890.8	807.2	395.4	247.6
77.5°	5004.7	4940.4	5037.5	4965.0	4642.1	4642.1	3257.5	1004.2	474.7	238.1	188.8
80°	898.9	937.2	919.4	957.7	890.7	989.2	1145.1	674.5	336.6	182.0	154.6
82.5°	251.7	254.5	251.7	253.1	261.3	275.0	595.1	580.1	259.9	136.8	120.4
85°	117.7	119.0	121.8	121.8	132.7	135.4	399.5	415.9	151.9	75.2	80.7
87.5°	13.7	17.8	17.8	16.4	19.2	19.2	73.9	83.5	20.5	15.0	24.6
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: P148961

CATALOG NUMBER: TLM-E04-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	2402.5	2402.5	2402.5	2402.5
2.5°	2376.5	2371.0	2365.5	2369.6
5°	2384.7	2376.5	2369.6	2373.7
7.5°	2406.6	2392.9	2391.5	2391.5
10°	2433.9	2414.8	2409.3	2409.3
12.5°	2462.7	2436.7	2427.1	2427.1
15°	2492.8	2455.8	2442.1	2438.0
17.5°	2527.0	2475.0	2450.3	2450.3
20°	2559.8	2477.7	2440.8	2439.4
22.5°	2565.3	2446.2	2392.9	2390.1
25°	2524.2	2372.4	2302.6	2288.9
27.5°	2427.1	2257.4	2183.6	2180.8
30°	2280.7	2106.9	2031.7	2023.5
32.5°	2137.0	1952.3	1882.6	1882.6
35°	1992.0	1811.4	1721.1	1711.5
37.5°	1857.9	1662.3	1581.6	1580.2
40°	1734.8	1532.3	1454.3	1442.0
42.5°	1611.7	1395.5	1306.6	1303.8
45°	1465.3	1246.4	1169.8	1162.9
47.5°	1309.3	1112.3	1031.6	1030.2
50°	1168.4	987.8	907.1	907.1
52.5°	1039.8	866.0	785.3	777.1
55°	894.8	727.9	645.8	636.2
57.5°	737.4	573.3	499.4	478.8
60°	570.5	417.3	342.0	331.1
62.5°	415.9	305.1	249.0	240.8
65°	313.3	259.9	213.4	205.2
67.5°	269.5	234.0	194.3	186.1
69°	250.4	221.6	186.1	177.9
70°	242.2	213.4	179.2	172.4
72.5°	223.0	195.6	164.2	161.4
75°	203.9	177.9	147.8	143.7
77.5°	197.0	154.6	127.2	124.5
80°	201.1	125.9	104.0	101.2
82.5°	164.2	101.2	80.7	76.6
85°	102.6	68.4	42.4	42.4
87.5°	26.0	21.9	12.3	12.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)