

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P236288

Luminaire Tested: **4SWLED-56HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26870)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SWLED-56HL-LC-UNV-L850-CD1-U
Description: METALUX SWLED LINEAR LUMINAIRE
4FT FIXTURE WITH 2 ROW LED, CLEAR LENS
Light Source: (224) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

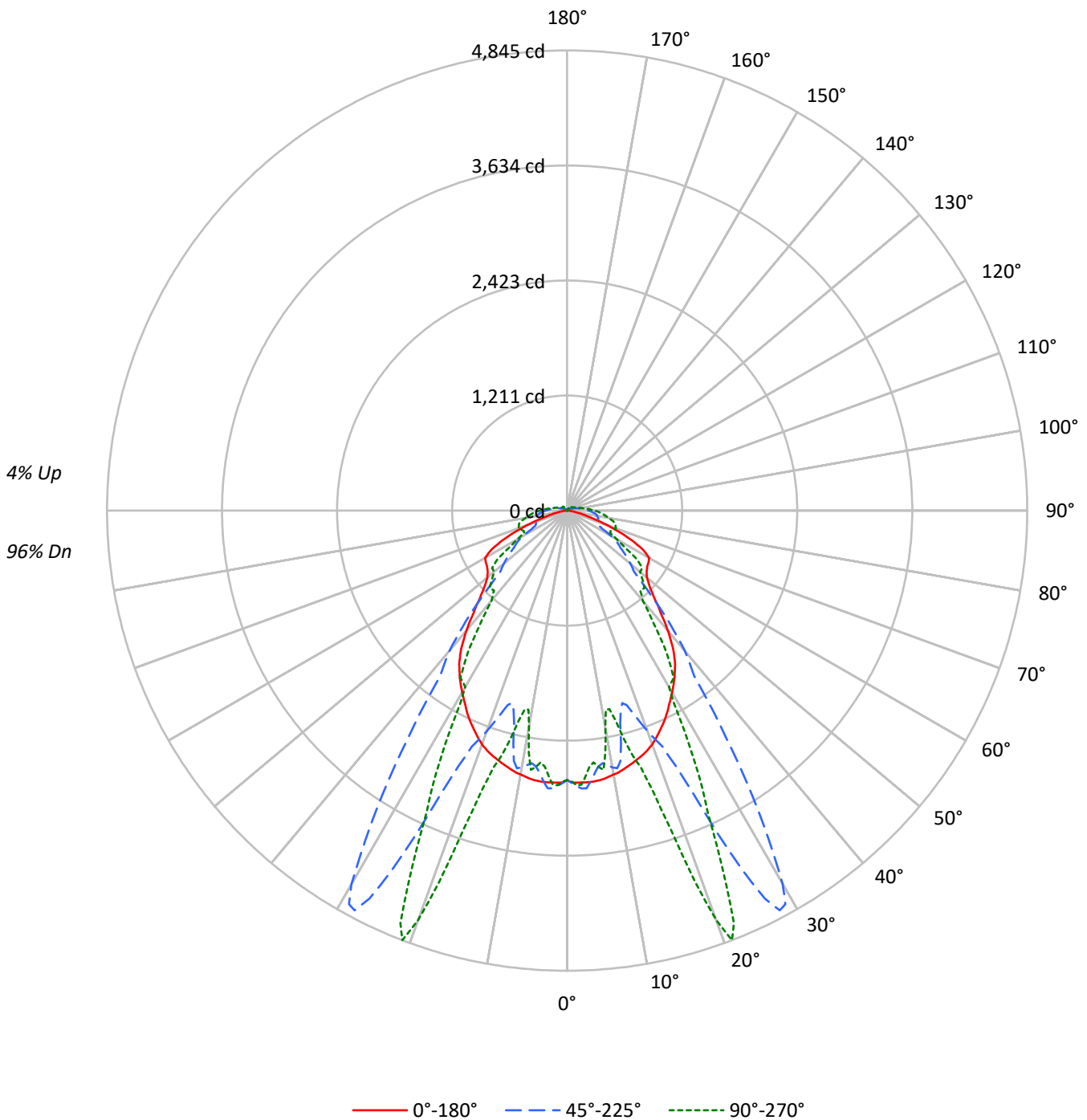
Lumens per Lamp: N/A
Luminaire Lumens: 7738.0 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 52.9
Input Voltage (V): 120
Input Current (A_{in}): 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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	108	103	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52
5	78	66	57	51	75	64	56	50	62	55	49	59	53	49	57	52	48	46
6	72	59	51	45	70	58	50	45	56	49	44	54	48	43	52	47	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	39	48	42	38	36
8	62	50	41	36	61	49	41	36	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	43	37	32	42	36	31	41	35	31	29
10	55	42	35	29	53	41	34	29	40	34	29	39	33	29	38	32	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20373	20373	20373
5°	20586	20075	18847
10°	20430	19000	15755
15°	20138	14952	17970
20°	19745	17001	30693
25°	18931	26081	23454
30°	17954	32047	14503
35°	16929	21115	12546
40°	14973	14399	8749
45°	12676	9500	8427
50°	11722	7164	7647
55°	12229	6005	7221
60°	13454	5096	5151
65°	12048	3780	4680
70°	8523	3975	5527
75°	4903	4432	5913
80°	3092	4903	5675
85°	1674	5243	5581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	3.4
10°-20°	747.5	9.7
20°-30°	1472.9	19.0
30°-40°	1519.7	19.6
40°-50°	1277.0	16.5
50°-60°	941.9	12.2
60°-70°	534.1	6.9
70°-80°	383.4	5.0
80°-90°	259.9	3.4
90°-100°	155.3	2.0
100°-110°	81.1	1.0
110°-120°	45.4	0.6
120°-130°	26.6	0.3
130°-140°	18.4	0.2
140°-150°	6.7	0.1
150°-160°	1.9	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-30°	2486.1	32.1
0°-40°	4005.9	51.8
0°-60°	6224.8	80.4
0°-90°	7402.2	95.7
90°-120°	281.8	3.6
90°-150°	333.4	4.3
90°-180°	336.0	4.3
0°-180°	7738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2839	2839	2839	2839	2839	
5°	2867	2909	2860	2726	2706	272
15°	2737	2619	2175	2449	2671	772
25°	2432	2170	3756	4217	3499	1116
35°	1982	2441	2918	1978	1822	1226
45°	1295	3260	1218	1100	1153	1020
55°	1028	1829	686	866	898	929
65°	765	734	366	449	506	741
75°	201	296	339	487	523	240
85°	29	124	283	346	369	37
90°	2	90	225	278	286	2
95°	1	72	176	204	213	1
105°	1	38	92	110	117	1
115°	2	17	51	72	81	2
125°	2	8	30	47	58	2
135°	2	4	22	45	56	1
145°	2	2	9	16	21	1
155°	3	3	4	5	7	1
165°	3	3	3	1	2	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P236288

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1
1°	2863.1	2861.2	2849.6	2843.9	2842.9	2841.0	2841.9	2843.9	2848.7	2848.7	2870.8
2°	2866.0	2865.0	2857.3	2853.5	2853.5	2853.5	2855.4	2861.2	2865.0	2866.0	2899.6
3°	2866.9	2867.9	2863.1	2860.2	2866.9	2866.9	2869.8	2877.5	2891.0	2895.8	2930.4
4°	2868.8	2872.7	2869.8	2868.8	2882.3	2891.9	2897.7	2908.3	2916.9	2917.9	2931.3
5°	2866.9	2871.7	2871.7	2883.3	2901.5	2909.2	2914.0	2920.7	2907.3	2870.8	2860.2
6°	2865.0	2872.7	2877.5	2898.6	2915.0	2921.7	2922.7	2892.9	2857.3	2815.0	2780.4
7°	2860.2	2867.9	2883.3	2911.1	2921.7	2920.7	2904.4	2842.9	2780.4	2726.6	2711.2
8°	2848.7	2860.2	2891.0	2914.0	2906.3	2876.5	2845.8	2778.5	2719.9	2681.4	2684.3
9°	2835.2	2847.7	2891.0	2907.3	2869.8	2827.5	2789.1	2705.5	2668.0	2662.2	2714.1
10°	2821.8	2841.9	2891.9	2892.9	2811.2	2767.9	2715.1	2658.4	2657.4	2689.1	2745.8
11°	2810.2	2834.3	2886.1	2864.0	2761.2	2713.2	2659.3	2643.0	2680.5	2716.0	2764.1
12°	2793.9	2826.6	2873.7	2825.6	2696.8	2650.7	2622.8	2653.6	2698.7	2731.4	2694.9
13°	2774.7	2811.2	2849.6	2767.9	2644.0	2612.2	2622.8	2673.7	2702.6	2683.4	2520.9
14°	2754.5	2801.6	2820.8	2717.0	2595.9	2603.6	2637.2	2677.6	2682.4	2516.1	2312.4
15°	2737.2	2789.1	2790.0	2660.3	2579.6	2619.0	2644.9	2664.1	2588.2	2354.7	2174.9
16°	2717.0	2775.6	2756.4	2619.9	2594.9	2631.5	2645.9	2629.5	2409.4	2181.7	2107.7
17°	2696.8	2756.4	2714.1	2584.4	2613.2	2633.4	2632.4	2529.6	2276.8	2104.8	2140.3
18°	2673.7	2732.4	2675.7	2559.4	2620.9	2621.8	2599.7	2412.3	2144.2	2089.4	2240.3
19°	2647.8	2704.5	2634.3	2544.0	2611.3	2590.1	2532.5	2281.6	2093.3	2148.0	2353.7
20°	2619.9	2672.8	2596.9	2545.9	2587.3	2540.2	2452.7	2179.7	2090.4	2242.2	2470.0
21°	2585.3	2635.3	2561.3	2555.5	2543.0	2460.4	2350.8	2120.2	2136.5	2329.7	2575.7
22°	2547.8	2595.9	2533.4	2555.5	2475.8	2383.5	2259.5	2096.1	2215.3	2421.0	2680.5
23°	2507.5	2559.4	2507.5	2543.0	2393.1	2298.0	2185.5	2117.3	2272.0	2510.4	2915.9
24°	2471.0	2518.1	2490.2	2513.2	2319.1	2225.9	2139.4	2163.4	2324.9	2611.3	3244.6
25°	2431.6	2478.6	2474.8	2465.2	2251.8	2170.1	2129.8	2200.9	2395.0	2858.3	3755.9
26°	2388.3	2436.4	2460.4	2395.0	2200.9	2141.3	2143.2	2228.8	2489.2	3168.7	4216.3
27°	2342.2	2397.0	2432.5	2318.1	2165.3	2138.4	2171.1	2248.9	2707.4	3655.0	4583.4
28°	2296.0	2351.8	2393.1	2241.3	2144.2	2157.6	2182.6	2292.2	2986.1	4073.1	4767.0
29°	2251.8	2309.5	2348.9	2181.7	2141.3	2181.7	2180.7	2420.0	3419.6	4433.5	4738.2
30°	2212.4	2267.2	2298.0	2142.3	2156.7	2184.6	2179.7	2631.5	3789.6	4618.0	4539.2
32.5°	2100.9	2144.2	2145.1	2106.7	2181.7	2176.9	2348.9	3478.2	4408.5	4435.4	3743.4
35°	1981.8	1995.2	2014.4	2131.7	2198.0	2441.2	3014.9	4029.8	4370.1	3687.7	2917.9
37.5°	1833.8	1831.8	1961.6	2150.0	2523.8	3086.1	3544.5	4117.3	3742.5	2855.4	2197.0
40°	1647.3	1668.4	1952.0	2222.0	3051.5	3362.8	3591.6	3858.8	2901.5	2200.9	1925.1
42.5°	1457.0	1553.1	1952.0	2517.1	3154.3	3326.3	3558.9	3222.5	2298.0	1877.0	1574.3
45°	1294.6	1492.6	1966.4	2761.2	3053.4	3260.0	3296.5	2572.8	1904.9	1453.2	1217.7
47.5°	1174.5	1435.9	2091.3	2666.1	2947.7	2997.6	2860.2	2147.1	1421.5	1067.8	954.4
50°	1095.6	1368.6	2145.1	2478.6	2728.5	2666.1	2463.3	1583.9	981.3	864.0	871.7
52.5°	1054.3	1354.2	1998.1	2303.7	2451.7	2317.2	1942.4	1071.6	791.0	773.7	778.5
55°	1028.4	1310.9	1782.8	2064.4	2104.8	1829.0	1433.9	806.4	676.6	667.0	686.2
57.5°	1015.9	1187.9	1570.4	1750.1	1653.1	1408.0	1088.9	615.1	550.7	569.9	627.6
60°	996.6	1059.1	1260.9	1376.3	1316.7	1114.9	825.6	489.2	478.6	514.2	540.1
62.5°	906.3	909.2	882.3	1087.0	1077.4	904.4	652.6	419.0	400.8	411.3	417.1
65°	765.0	705.4	610.3	893.8	889.0	734.3	519.9	332.5	323.9	347.9	366.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	607.4	508.4	457.5	715.0	706.4	581.5	416.2	286.4	302.7	327.7	354.6
70°	446.9	373.9	360.4	563.2	556.5	466.1	348.9	265.3	292.2	318.1	346.0
72.5°	304.7	276.8	283.5	424.8	435.4	372.9	296.0	251.8	275.8	305.6	347.9
75°	200.9	202.8	218.2	312.4	333.5	296.0	249.9	234.5	260.5	296.0	339.3
77.5°	137.4	144.2	162.4	223.9	248.9	230.7	212.4	216.2	244.1	285.4	330.6
80°	90.3	97.1	116.3	158.6	184.5	183.6	182.6	200.9	232.6	276.8	321.0
82.5°	54.8	61.5	79.8	112.4	139.4	148.0	159.5	186.5	224.9	273.9	309.5
85°	28.8	35.6	52.9	80.7	108.6	124.0	140.3	174.9	221.1	263.3	282.6
87.5°	11.5	18.3	34.6	58.6	88.4	105.7	124.9	166.3	214.3	242.2	252.8
90°	1.9	8.6	22.1	44.2	73.0	90.3	111.5	159.5	198.9	211.4	224.9
92.5°	1.0	4.8	15.4	33.6	61.5	79.8	101.9	148.0	174.0	186.5	198.9
95°	1.0	2.9	11.5	26.9	52.9	72.1	93.2	129.7	149.0	161.5	175.9
97.5°	1.0	2.9	8.6	22.1	48.1	65.4	83.6	109.6	125.9	140.3	152.8
100°	1.0	1.9	7.7	19.2	42.3	55.7	69.2	89.4	103.8	119.2	130.7
102.5°	1.0	1.9	6.7	17.3	36.5	47.1	56.7	72.1	87.5	100.0	111.5
105°	1.0	1.9	5.8	15.4	29.8	37.5	45.2	59.6	73.0	84.6	92.3
107.5°	1.0	1.9	4.8	12.5	24.0	30.8	37.5	50.0	61.5	70.2	77.8
110°	1.0	1.0	3.8	10.6	20.2	25.9	30.8	41.3	50.9	59.6	66.3
112.5°	1.9	1.9	3.8	8.6	16.3	21.1	25.9	34.6	43.2	50.9	57.7
115°	1.9	1.9	2.9	6.7	13.5	17.3	21.1	28.8	36.5	44.2	50.9
117.5°	1.9	1.9	2.9	5.8	10.6	14.4	17.3	24.0	30.8	38.4	45.2
120°	1.9	1.9	1.9	4.8	9.6	11.5	14.4	20.2	26.9	33.6	39.4
122.5°	1.9	1.9	1.9	3.8	7.7	9.6	11.5	17.3	23.1	28.8	34.6
125°	1.9	1.9	1.9	2.9	5.8	7.7	9.6	14.4	19.2	25.0	29.8
127.5°	1.9	1.9	1.9	2.9	4.8	6.7	7.7	11.5	16.3	20.2	25.9
130°	1.9	1.9	1.9	1.9	3.8	4.8	6.7	9.6	13.5	18.3	23.1
132.5°	1.9	1.9	1.9	1.9	3.8	4.8	5.8	8.6	13.5	17.3	22.1
135°	1.9	1.9	1.9	1.9	2.9	3.8	5.8	8.6	12.5	17.3	22.1
137.5°	1.9	1.9	1.9	1.9	2.9	3.8	4.8	7.7	11.5	16.3	20.2
140°	1.9	1.9	1.9	1.9	1.9	2.9	3.8	6.7	9.6	12.5	16.3
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	4.8	6.7	9.6	12.5
145°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	3.8	4.8	6.7	8.6
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	3.8	4.8	6.7
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	3.8	4.8
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.8	3.8
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.8
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	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):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P236288

CATALOG NUMBER: 4SWLED-56HL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1
1°	2878.5	2874.6	2871.7	2867.9	2864.0	2863.1	2861.2	2860.2	2852.5	2853.5
2°	2906.3	2909.2	2907.3	2903.4	2906.3	2902.5	2900.6	2896.7	2893.8	2894.8
3°	2940.0	2939.0	2930.4	2919.8	2913.1	2913.1	2898.6	2892.9	2875.6	2891.0
4°	2910.2	2890.0	2857.3	2841.9	2827.5	2825.6	2808.3	2792.0	2783.3	2798.7
5°	2829.4	2799.7	2758.3	2742.0	2725.6	2727.6	2713.2	2702.6	2695.9	2705.5
6°	2748.7	2721.8	2693.0	2675.7	2668.9	2664.1	2662.2	2665.1	2667.0	2666.1
7°	2692.0	2686.2	2683.4	2691.0	2697.8	2697.8	2709.3	2718.9	2721.8	2719.9
8°	2702.6	2721.8	2734.3	2739.1	2740.1	2742.0	2760.2	2760.2	2754.5	2756.4
9°	2745.8	2759.3	2772.7	2755.4	2721.8	2715.1	2651.6	2614.2	2561.3	2576.7
10°	2779.5	2754.5	2650.7	2565.1	2507.5	2488.3	2392.1	2349.9	2295.1	2310.5
11°	2721.8	2587.3	2430.6	2323.9	2269.1	2237.4	2174.9	2149.0	2138.4	2135.5
12°	2507.5	2350.8	2210.5	2149.0	2124.0	2114.4	2107.7	2115.4	2132.7	2137.5
13°	2312.4	2182.6	2118.2	2123.0	2135.5	2150.9	2204.7	2236.5	2267.2	2268.2
14°	2154.8	2115.4	2167.3	2232.6	2270.1	2294.1	2369.1	2421.0	2477.7	2488.3
15°	2113.4	2178.8	2301.8	2401.8	2448.9	2499.8	2598.8	2641.1	2672.8	2670.9
16°	2184.6	2297.0	2468.1	2585.3	2633.4	2667.0	2730.5	2768.9	2806.4	2812.1
17°	2303.7	2475.8	2633.4	2723.7	2758.3	2796.8	2914.0	2994.8	3063.0	3085.1
18°	2428.7	2609.4	2734.3	2880.4	2971.7	3046.7	3210.0	3359.0	3502.2	3529.1
19°	2568.0	2725.6	2934.2	3185.0	3297.5	3465.7	3756.9	3938.5	4083.7	4130.8
20°	2659.3	2908.3	3232.1	3704.0	3862.6	4049.1	4327.8	4466.2	4566.1	4588.2
21°	2819.8	3228.3	3784.8	4250.9	4411.4	4515.2	4699.7	4787.2	4812.2	4844.8
22°	3086.1	3735.8	4307.6	4646.9	4754.5	4814.1	4834.3	4768.9	4710.3	4687.2
23°	3574.3	4235.5	4653.6	4842.0	4831.4	4758.3	4594.0	4439.3	4338.4	4296.1
24°	4104.8	4620.0	4826.6	4667.0	4575.7	4420.0	4210.5	4054.8	3947.2	3895.3
25°	4479.6	4810.2	4635.3	4333.5	4217.3	4055.8	3802.1	3653.1	3547.4	3499.3
26°	4760.3	4718.0	4312.4	3966.4	3829.9	3674.2	3451.3	3367.7	3289.8	3243.7
27°	4786.2	4443.1	3969.3	3587.7	3465.7	3355.2	3187.9	3067.8	2986.1	2942.9
28°	4577.7	4122.1	3604.1	3298.5	3199.5	3064.9	2875.6	2757.4	2699.7	2634.3
29°	4311.4	3754.0	3300.4	2982.3	2874.6	2739.1	2550.7	2395.0	2357.6	2317.2
30°	3953.9	3418.6	2998.6	2644.0	2541.1	2395.0	2250.9	2199.9	2174.9	2143.2
32.5°	3113.0	2575.7	2225.9	2091.3	2060.6	2047.1	2100.0	2108.6	2106.7	2089.4
35°	2329.7	2036.5	2024.1	2003.9	1977.9	1952.9	1903.9	1876.0	1852.0	1822.2
37.5°	1989.5	1907.8	1793.4	1694.4	1650.2	1616.6	1565.6	1537.7	1514.7	1497.4
40°	1743.4	1575.2	1460.9	1391.7	1367.6	1328.2	1296.5	1279.2	1261.9	1238.8
42.5°	1407.0	1257.1	1166.8	1117.7	1103.3	1088.0	1100.4	1120.6	1130.2	1140.8
45°	1083.1	1014.9	1036.1	1081.2	1099.5	1118.7	1146.6	1152.3	1154.3	1153.3
47.5°	943.8	992.8	1017.8	1032.2	1029.3	1037.0	1060.1	1075.5	1085.1	1076.4
50°	896.7	903.4	938.0	973.6	979.3	969.7	974.5	987.0	1000.5	1002.4
52.5°	811.2	840.0	866.9	890.9	912.1	933.2	967.8	985.1	995.7	995.7
55°	728.5	781.4	818.8	852.5	865.9	871.7	889.0	895.7	902.5	897.7
57.5°	676.6	701.6	726.6	721.8	711.2	695.8	705.4	717.0	721.8	718.9
60°	546.9	547.8	550.7	558.4	570.9	582.4	594.0	596.8	601.6	600.7
62.5°	432.5	442.1	457.5	482.5	489.2	489.2	500.7	509.4	512.3	508.4
65°	388.3	407.5	434.4	448.8	448.8	451.7	472.9	497.8	507.5	505.5



TEST NUMBER: P236288

CATALOG NUMBER: 4SWLED-56HL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
67.5°	379.6	413.3	426.7	446.9	462.3	477.7	498.8	513.2	521.9	524.8
70°	385.4	410.4	437.3	465.2	477.7	491.1	516.1	536.3	544.0	544.9
72.5°	384.4	417.1	444.0	477.7	492.1	504.6	522.8	530.5	533.4	533.4
75°	381.6	414.2	451.7	475.7	487.3	499.8	510.3	516.1	520.9	522.8
77.5°	369.1	404.6	422.9	445.0	452.7	458.4	471.9	481.5	488.2	489.2
80°	353.7	370.0	383.5	401.7	407.5	416.2	429.6	435.4	440.2	440.2
82.5°	323.9	335.4	349.8	369.1	379.6	388.3	398.9	402.7	405.6	406.5
85°	292.2	303.7	322.0	338.3	346.0	353.7	363.3	369.1	371.0	369.1
87.5°	263.3	279.7	297.0	309.5	312.4	316.2	323.9	328.7	330.6	332.5
90°	237.4	253.7	267.2	277.8	277.8	281.6	285.4	286.4	284.5	286.4
92.5°	214.3	224.9	232.6	237.4	237.4	240.3	245.1	247.0	246.0	247.0
95°	186.5	194.1	198.0	200.9	203.8	207.6	211.4	212.4	212.4	213.4
97.5°	161.5	167.2	171.1	174.0	174.9	177.8	177.8	178.8	178.8	179.7
100°	139.4	145.1	146.1	145.1	146.1	147.0	148.0	149.9	150.9	151.9
102.5°	118.2	123.0	124.9	125.9	126.9	128.8	130.7	131.7	133.6	133.6
105°	98.0	103.8	107.6	109.6	109.6	111.5	113.4	115.3	116.3	117.3
107.5°	83.6	89.4	94.2	96.1	98.0	99.0	100.9	102.8	103.8	104.8
110°	72.1	77.8	83.6	87.5	88.4	90.3	92.3	94.2	95.1	96.1
112.5°	64.4	69.2	74.0	77.8	79.8	81.7	83.6	85.5	87.5	87.5
115°	56.7	62.5	66.3	70.2	72.1	73.0	75.9	78.8	79.8	80.7
117.5°	50.9	55.7	59.6	63.4	65.4	67.3	69.2	71.1	73.0	73.0
120°	45.2	50.0	53.8	56.7	58.6	59.6	62.5	64.4	65.4	66.3
122.5°	39.4	44.2	47.1	50.9	51.9	53.8	56.7	58.6	59.6	60.5
125°	34.6	38.4	42.3	46.1	47.1	49.0	52.9	54.8	56.7	57.7
127.5°	30.8	34.6	39.4	43.2	45.2	48.1	51.9	54.8	56.7	57.7
130°	27.9	33.6	38.4	43.2	46.1	48.1	52.9	56.7	58.6	58.6
132.5°	27.9	33.6	39.4	44.2	47.1	49.0	53.8	57.7	59.6	60.5
135°	26.9	31.7	37.5	42.3	45.2	47.1	50.9	53.8	55.7	55.7
137.5°	24.0	27.9	31.7	35.6	38.4	40.4	43.2	45.2	47.1	47.1
140°	19.2	22.1	25.0	27.9	29.8	31.7	34.6	35.6	37.5	37.5
142.5°	14.4	16.3	19.2	21.1	22.1	24.0	25.9	27.9	28.8	28.8
145°	10.6	12.5	13.5	15.4	16.3	17.3	19.2	20.2	21.1	21.1
147.5°	7.7	8.6	9.6	11.5	11.5	12.5	14.4	15.4	15.4	15.4
150°	5.8	6.7	7.7	7.7	8.6	8.6	10.6	11.5	11.5	11.5
152.5°	4.8	4.8	5.8	5.8	6.7	6.7	7.7	8.6	8.6	8.6
155°	3.8	3.8	3.8	3.8	4.8	4.8	5.8	5.8	6.7	6.7
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	3.8	3.8	4.8	4.8
160°	2.9	2.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9
162.5°	2.9	1.9	1.9	1.9	1.0	1.9	1.9	1.9	1.9	1.9
165°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P236288

CATALOG NUMBER: 4SWLED-56HL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)