

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: P236286

Luminaire Tested: **4SWLED-56HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236286
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-L835-CD1-U
Description: METALUX SWLED LINEAR LUMINAIRE
4FT FIXTURE WITH 2 ROW LED, CLEAR LENS
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

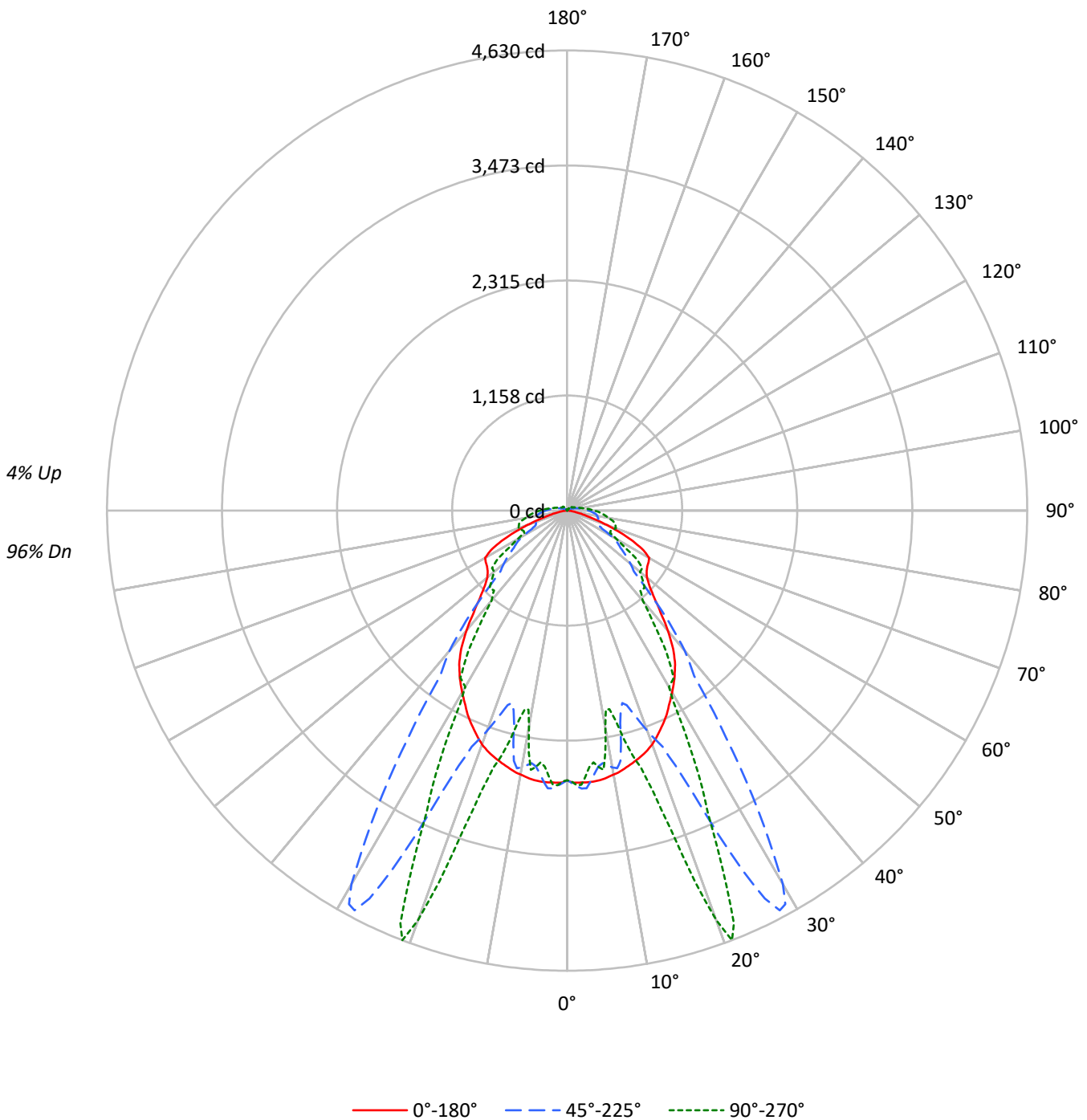
Lumens per Lamp: N/A
Luminaire Lumens: 7395.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 52.9
Input Voltage (V): 120
Input Current (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	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°	19470	19470	19470
5°	19673	19185	18011
10°	19524	18158	15056
15°	19246	14290	17173
20°	18870	16247	29333
25°	18092	24924	22414
30°	17159	30627	13860
35°	16178	20178	11991
40°	14310	13761	8362
45°	12114	9079	8054
50°	11203	6847	7308
55°	11687	5739	6901
60°	12858	4871	4923
65°	11514	3612	4473
70°	8145	3799	5283
75°	4686	4235	5652
80°	2955	4686	5424
85°	1604	5009	5333



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	3.4
10°-20°	714.4	9.7
20°-30°	1407.6	19.0
30°-40°	1452.4	19.6
40°-50°	1220.4	16.5
50°-60°	900.1	12.2
60°-70°	510.4	6.9
70°-80°	366.4	5.0
80°-90°	248.4	3.4
90°-100°	148.4	2.0
100°-110°	77.5	1.0
110°-120°	43.4	0.6
120°-130°	25.4	0.3
130°-140°	17.6	0.2
140°-150°	6.4	0.1
150°-160°	1.8	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-30°	2375.9	32.1
0°-40°	3828.3	51.8
0°-60°	5948.9	80.4
0°-90°	7074.1	95.7
90°-120°	269.3	3.6
90°-150°	318.6	4.3
90°-180°	321.0	4.3
0°-180°	7395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2713	2713	2713	2713	2713	
5°	2740	2780	2733	2605	2586	260
15°	2616	2503	2078	2340	2552	737
25°	2324	2074	3589	4030	3344	1066
35°	1894	2333	2788	1890	1742	1171
45°	1237	3116	1164	1051	1102	975
55°	983	1748	656	828	858	888
65°	731	702	350	429	483	708
75°	192	283	324	466	500	229
85°	28	118	270	331	353	35
90°	2	86	215	265	274	2
95°	1	69	168	195	204	1
105°	1	36	88	105	112	1
115°	2	16	49	69	77	2
125°	2	7	28	45	55	2
135°	2	4	21	43	53	1
145°	2	2	8	16	20	1
155°	3	3	4	5	6	1
165°	3	3	3	1	2	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2
1°	2736.2	2734.3	2723.3	2717.8	2716.9	2715.0	2716.0	2717.8	2722.4	2722.4	2743.5
2°	2738.9	2738.0	2730.7	2727.0	2727.0	2727.0	2728.8	2734.3	2738.0	2738.9	2771.1
3°	2739.8	2740.8	2736.2	2733.4	2739.8	2739.8	2742.6	2749.9	2762.8	2767.4	2800.5
4°	2741.7	2745.4	2742.6	2741.7	2754.5	2763.7	2769.2	2779.3	2787.6	2788.5	2801.4
5°	2739.8	2744.4	2744.4	2755.5	2772.9	2780.3	2784.9	2791.3	2778.4	2743.5	2733.4
6°	2738.0	2745.4	2749.9	2770.2	2785.8	2792.2	2793.1	2764.6	2730.7	2690.2	2657.2
7°	2733.4	2740.8	2755.5	2782.1	2792.2	2791.3	2775.7	2716.9	2657.2	2605.7	2591.1
8°	2722.4	2733.4	2762.8	2784.9	2777.5	2749.0	2719.6	2655.3	2599.3	2562.6	2565.3
9°	2709.5	2721.5	2762.8	2778.4	2742.6	2702.2	2665.4	2585.5	2549.7	2544.2	2593.8
10°	2696.7	2716.0	2763.7	2764.6	2686.6	2645.2	2594.7	2540.5	2539.6	2569.9	2624.1
11°	2685.7	2708.6	2758.2	2737.1	2638.8	2592.9	2541.5	2525.8	2561.7	2595.6	2641.6
12°	2670.0	2701.3	2746.3	2700.4	2577.3	2533.2	2506.6	2535.9	2579.1	2610.3	2575.4
13°	2651.7	2686.6	2723.3	2645.2	2526.8	2496.4	2506.6	2555.2	2582.8	2564.4	2409.2
14°	2632.4	2677.4	2695.8	2596.6	2480.8	2488.2	2520.3	2558.9	2563.5	2404.6	2209.9
15°	2615.9	2665.4	2666.4	2542.4	2465.2	2502.9	2527.7	2546.0	2473.5	2250.3	2078.5
16°	2596.6	2652.6	2634.2	2503.8	2479.9	2514.8	2528.6	2513.0	2302.6	2085.0	2014.2
17°	2577.3	2634.2	2593.8	2469.8	2497.4	2516.7	2515.7	2417.5	2175.9	2011.5	2045.5
18°	2555.2	2611.3	2557.1	2445.9	2504.7	2505.6	2484.5	2305.4	2049.1	1996.8	2141.0
19°	2530.4	2584.6	2517.6	2431.2	2495.5	2475.3	2420.2	2180.5	2000.5	2052.8	2249.4
20°	2503.8	2554.3	2481.8	2433.1	2472.6	2427.6	2344.0	2083.1	1997.7	2142.8	2360.5
21°	2470.7	2518.5	2447.8	2442.3	2430.3	2351.3	2246.6	2026.2	2041.8	2226.4	2461.5
22°	2434.9	2480.8	2421.1	2442.3	2366.0	2277.8	2159.4	2003.2	2117.1	2313.7	2561.7
23°	2396.3	2445.9	2396.3	2430.3	2287.0	2196.1	2088.6	2023.4	2171.3	2399.1	2786.7
24°	2361.4	2406.4	2379.8	2401.8	2216.3	2127.2	2044.6	2067.5	2221.8	2495.5	3100.8
25°	2323.8	2368.8	2365.1	2355.9	2152.0	2073.9	2035.4	2103.3	2288.9	2731.6	3589.4
26°	2282.4	2328.4	2351.3	2288.9	2103.3	2046.4	2048.2	2130.0	2378.9	3028.3	4029.4
27°	2238.4	2290.7	2324.7	2215.4	2069.4	2043.6	2074.9	2149.3	2587.4	3493.0	4380.3
28°	2194.3	2247.5	2287.0	2141.9	2049.1	2062.0	2085.9	2190.6	2853.7	3892.5	4555.7
29°	2152.0	2207.1	2244.8	2085.0	2046.4	2085.0	2084.0	2312.7	3268.0	4237.0	4528.1
30°	2114.4	2166.7	2196.1	2047.3	2061.1	2087.7	2083.1	2514.8	3621.6	4413.3	4338.0
32.5°	2007.8	2049.1	2050.1	2013.3	2085.0	2080.4	2244.8	3324.0	4213.1	4238.8	3577.5
35°	1893.9	1906.8	1925.1	2037.2	2100.6	2333.0	2881.3	3851.2	4176.4	3524.2	2788.5
37.5°	1752.5	1750.6	1874.6	2054.7	2411.9	2949.3	3387.4	3934.8	3576.6	2728.8	2099.7
40°	1574.3	1594.5	1865.4	2123.5	2916.2	3213.8	3432.4	3687.7	2772.9	2103.3	1839.7
42.5°	1392.4	1484.3	1865.4	2405.5	3014.5	3178.9	3401.2	3079.7	2196.1	1793.8	1504.5
45°	1237.2	1426.4	1879.2	2638.8	2918.0	3115.5	3150.4	2458.8	1820.4	1388.8	1163.7
47.5°	1122.4	1372.2	1998.6	2547.9	2817.0	2864.8	2733.4	2051.9	1358.4	1020.4	912.1
50°	1047.1	1307.9	2050.1	2368.8	2607.6	2547.9	2354.1	1513.7	937.8	825.7	833.1
52.5°	1007.6	1294.1	1909.5	2201.6	2343.1	2214.5	1856.3	1024.1	755.9	739.4	744.0
55°	982.8	1252.8	1703.8	1972.9	2011.5	1747.9	1370.4	770.6	646.6	637.4	655.8
57.5°	970.8	1135.2	1500.8	1672.6	1579.8	1345.6	1040.6	587.8	526.3	544.7	599.8
60°	952.5	1012.2	1205.1	1315.3	1258.3	1065.4	789.0	467.5	457.4	491.4	516.2
62.5°	866.1	868.9	843.2	1038.8	1029.6	864.3	623.7	400.5	383.0	393.1	398.6
65°	731.1	674.2	583.2	854.2	849.6	701.7	496.9	317.8	309.5	332.5	349.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	580.5	485.9	437.2	683.4	675.1	555.7	397.7	273.7	289.3	313.2	338.9
70°	427.1	357.3	344.4	538.2	531.8	445.5	333.4	253.5	279.2	304.0	330.7
72.5°	291.2	264.5	271.0	406.0	416.1	356.4	282.9	240.6	263.6	292.1	332.5
75°	192.0	193.8	208.5	298.5	318.7	282.9	238.8	224.1	248.9	282.9	324.2
77.5°	131.3	137.8	155.2	214.0	237.9	220.4	203.0	206.7	233.3	272.8	316.0
80°	86.3	92.8	111.1	151.6	176.3	175.4	174.5	192.0	222.3	264.5	306.8
82.5°	52.4	58.8	76.2	107.5	133.2	141.4	152.5	178.2	214.9	261.8	295.8
85°	27.6	34.0	50.5	77.2	103.8	118.5	134.1	167.2	211.3	251.7	270.0
87.5°	11.0	17.5	33.1	56.0	84.5	101.0	119.4	158.9	204.8	231.5	241.6
90°	1.8	8.3	21.1	42.3	69.8	86.3	106.5	152.5	190.1	202.1	214.9
92.5°	0.9	4.6	14.7	32.1	58.8	76.2	97.4	141.4	166.2	178.2	190.1
95°	0.9	2.8	11.0	25.7	50.5	68.9	89.1	124.0	142.4	154.3	168.1
97.5°	0.9	2.8	8.3	21.1	45.9	62.5	79.9	104.7	120.3	134.1	146.0
100°	0.9	1.8	7.3	18.4	40.4	53.3	66.1	85.4	99.2	113.9	124.9
102.5°	0.9	1.8	6.4	16.5	34.9	45.0	54.2	68.9	83.6	95.5	106.5
105°	0.9	1.8	5.5	14.7	28.5	35.8	43.2	56.9	69.8	80.8	88.2
107.5°	0.9	1.8	4.6	11.9	23.0	29.4	35.8	47.8	58.8	67.0	74.4
110°	0.9	0.9	3.7	10.1	19.3	24.8	29.4	39.5	48.7	56.9	63.4
112.5°	1.8	1.8	3.7	8.3	15.6	20.2	24.8	33.1	41.3	48.7	55.1
115°	1.8	1.8	2.8	6.4	12.9	16.5	20.2	27.6	34.9	42.3	48.7
117.5°	1.8	1.8	2.8	5.5	10.1	13.8	16.5	23.0	29.4	36.7	43.2
120°	1.8	1.8	1.8	4.6	9.2	11.0	13.8	19.3	25.7	32.1	37.7
122.5°	1.8	1.8	1.8	3.7	7.3	9.2	11.0	16.5	22.0	27.6	33.1
125°	1.8	1.8	1.8	2.8	5.5	7.3	9.2	13.8	18.4	23.9	28.5
127.5°	1.8	1.8	1.8	2.8	4.6	6.4	7.3	11.0	15.6	19.3	24.8
130°	1.8	1.8	1.8	1.8	3.7	4.6	6.4	9.2	12.9	17.5	22.0
132.5°	1.8	1.8	1.8	1.8	3.7	4.6	5.5	8.3	12.9	16.5	21.1
135°	1.8	1.8	1.8	1.8	2.8	3.7	5.5	8.3	11.9	16.5	21.1
137.5°	1.8	1.8	1.8	1.8	2.8	3.7	4.6	7.3	11.0	15.6	19.3
140°	1.8	1.8	1.8	1.8	1.8	2.8	3.7	6.4	9.2	11.9	15.6
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.8	4.6	6.4	9.2	11.9
145°	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.7	4.6	6.4	8.3
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.7	4.6	6.4
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	3.7	4.6
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.7
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.7
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
165°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2	2713.2
1°	2750.9	2747.2	2744.4	2740.8	2737.1	2736.2	2734.3	2733.4	2726.1	2727.0
2°	2777.5	2780.3	2778.4	2774.7	2777.5	2773.8	2772.0	2768.3	2765.6	2766.5
3°	2809.7	2808.7	2800.5	2790.4	2783.9	2783.9	2770.2	2764.6	2748.1	2762.8
4°	2781.2	2761.9	2730.7	2716.0	2702.2	2700.4	2683.8	2668.2	2659.9	2674.6
5°	2704.0	2675.6	2636.1	2620.4	2604.8	2606.7	2592.9	2582.8	2576.4	2585.5
6°	2626.9	2601.2	2573.6	2557.1	2550.6	2546.0	2544.2	2547.0	2548.8	2547.9
7°	2572.7	2567.2	2564.4	2571.8	2578.2	2578.2	2589.2	2598.4	2601.2	2599.3
8°	2582.8	2601.2	2613.1	2617.7	2618.6	2620.4	2637.9	2637.9	2632.4	2634.2
9°	2624.1	2637.0	2649.8	2633.3	2601.2	2594.7	2534.1	2498.3	2447.8	2462.5
10°	2656.3	2632.4	2533.2	2451.4	2396.3	2378.0	2286.1	2245.7	2193.3	2208.0
11°	2601.2	2472.6	2322.9	2220.9	2168.5	2138.2	2078.5	2053.7	2043.6	2040.9
12°	2396.3	2246.6	2112.5	2053.7	2029.9	2020.7	2014.2	2021.6	2038.1	2042.7
13°	2209.9	2085.9	2024.3	2028.9	2040.9	2055.6	2107.0	2137.3	2166.7	2167.6
14°	2059.2	2021.6	2071.2	2133.6	2169.5	2192.4	2264.1	2313.7	2367.9	2378.0
15°	2019.8	2082.2	2199.8	2295.3	2340.3	2389.0	2483.6	2524.0	2554.3	2552.5
16°	2087.7	2195.2	2358.7	2470.7	2516.7	2548.8	2609.4	2646.2	2682.0	2687.5
17°	2201.6	2366.0	2516.7	2603.0	2636.1	2672.8	2784.9	2862.0	2927.2	2948.3
18°	2321.0	2493.7	2613.1	2752.7	2840.0	2911.6	3067.7	3210.1	3347.0	3372.7
19°	2454.2	2604.8	2804.1	3043.9	3151.3	3312.1	3590.4	3764.0	3902.7	3947.7
20°	2541.5	2779.3	3088.9	3539.8	3691.4	3869.6	4135.9	4268.2	4363.7	4384.9
21°	2694.8	3085.2	3617.0	4062.5	4215.9	4315.1	4491.4	4575.0	4598.9	4630.1
22°	2949.3	3570.2	4116.7	4440.9	4543.8	4600.7	4620.0	4557.5	4501.5	4479.5
23°	3415.9	4047.8	4447.3	4627.3	4617.2	4547.4	4390.4	4242.5	4146.0	4105.6
24°	3922.9	4415.2	4612.6	4460.2	4372.9	4224.1	4023.9	3875.1	3772.2	3722.6
25°	4281.1	4597.0	4429.9	4141.5	4030.3	3876.0	3633.5	3491.2	3390.1	3344.2
26°	4549.3	4508.9	4121.2	3790.6	3660.2	3511.4	3298.3	3218.4	3144.0	3099.9
27°	4574.1	4246.2	3793.4	3428.7	3312.1	3206.4	3046.6	2931.8	2853.7	2812.4
28°	4374.8	3939.4	3444.3	3152.2	3057.6	2929.1	2748.1	2635.1	2580.0	2517.6
29°	4120.3	3587.6	3154.1	2850.1	2747.2	2617.7	2437.7	2288.9	2253.0	2214.5
30°	3778.7	3267.1	2865.7	2526.8	2428.5	2288.9	2151.1	2102.4	2078.5	2048.2
32.5°	2975.0	2461.5	2127.2	1998.6	1969.2	1956.4	2006.9	2015.2	2013.3	1996.8
35°	2226.4	1946.3	1934.3	1915.0	1890.2	1866.4	1819.5	1792.9	1769.9	1741.5
37.5°	1901.3	1823.2	1713.9	1619.3	1577.0	1544.9	1496.2	1469.6	1447.5	1431.0
40°	1666.1	1505.4	1396.1	1330.0	1307.0	1269.3	1239.0	1222.5	1206.0	1183.9
42.5°	1344.7	1201.4	1115.0	1068.2	1054.4	1039.7	1051.7	1071.0	1080.1	1090.2
45°	1035.1	969.9	990.1	1033.3	1050.7	1069.1	1095.8	1101.3	1103.1	1102.2
47.5°	902.0	948.8	972.7	986.5	983.7	991.0	1013.1	1027.8	1037.0	1028.7
50°	856.9	863.4	896.4	930.4	935.9	926.8	931.3	943.3	956.1	958.0
52.5°	775.2	802.8	828.5	851.4	871.6	891.9	924.9	941.4	951.6	951.6
55°	696.2	746.7	782.6	814.7	827.6	833.1	849.6	856.0	862.5	857.9
57.5°	646.6	670.5	694.4	689.8	679.7	665.0	674.2	685.2	689.8	687.0
60°	522.6	523.5	526.3	533.6	545.6	556.6	567.6	570.4	575.0	574.1
62.5°	413.3	422.5	437.2	461.1	467.5	467.5	478.5	486.8	489.6	485.9
65°	371.1	389.4	415.2	428.9	428.9	431.7	451.9	475.8	485.0	483.1



TEST NUMBER: P236286

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
67.5°	362.8	394.9	407.8	427.1	441.8	456.5	476.7	490.5	498.7	501.5
70°	368.3	392.2	417.9	444.5	456.5	469.3	493.2	512.5	519.9	520.8
72.5°	367.4	398.6	424.3	456.5	470.3	482.2	499.7	507.0	509.8	509.8
75°	364.6	395.9	431.7	454.7	465.7	477.6	487.7	493.2	497.8	499.7
77.5°	352.7	386.7	404.1	425.3	432.6	438.1	451.0	460.2	466.6	467.5
80°	338.0	353.6	366.5	383.9	389.4	397.7	410.6	416.1	420.7	420.7
82.5°	309.5	320.6	334.3	352.7	362.8	371.1	381.2	384.8	387.6	388.5
85°	279.2	290.2	307.7	323.3	330.7	338.0	347.2	352.7	354.5	352.7
87.5°	251.7	267.3	283.8	295.8	298.5	302.2	309.5	314.1	316.0	317.8
90°	226.9	242.5	255.3	265.4	265.4	269.1	272.8	273.7	271.9	273.7
92.5°	204.8	214.9	222.3	226.9	226.9	229.6	234.2	236.1	235.1	236.1
95°	178.2	185.5	189.2	192.0	194.7	198.4	202.1	203.0	203.0	203.9
97.5°	154.3	159.8	163.5	166.2	167.2	169.9	169.9	170.8	170.8	171.8
100°	133.2	138.7	139.6	138.7	139.6	140.5	141.4	143.3	144.2	145.1
102.5°	113.0	117.6	119.4	120.3	121.2	123.1	124.9	125.8	127.7	127.7
105°	93.7	99.2	102.9	104.7	104.7	106.5	108.4	110.2	111.1	112.1
107.5°	79.9	85.4	90.0	91.8	93.7	94.6	96.4	98.3	99.2	100.1
110°	68.9	74.4	79.9	83.6	84.5	86.3	88.2	90.0	90.9	91.8
112.5°	61.5	66.1	70.7	74.4	76.2	78.1	79.9	81.7	83.6	83.6
115°	54.2	59.7	63.4	67.0	68.9	69.8	72.6	75.3	76.2	77.2
117.5°	48.7	53.3	56.9	60.6	62.5	64.3	66.1	68.0	69.8	69.8
120°	43.2	47.8	51.4	54.2	56.0	56.9	59.7	61.5	62.5	63.4
122.5°	37.7	42.3	45.0	48.7	49.6	51.4	54.2	56.0	56.9	57.9
125°	33.1	36.7	40.4	44.1	45.0	46.8	50.5	52.4	54.2	55.1
127.5°	29.4	33.1	37.7	41.3	43.2	45.9	49.6	52.4	54.2	55.1
130°	26.6	32.1	36.7	41.3	44.1	45.9	50.5	54.2	56.0	56.0
132.5°	26.6	32.1	37.7	42.3	45.0	46.8	51.4	55.1	56.9	57.9
135°	25.7	30.3	35.8	40.4	43.2	45.0	48.7	51.4	53.3	53.3
137.5°	23.0	26.6	30.3	34.0	36.7	38.6	41.3	43.2	45.0	45.0
140°	18.4	21.1	23.9	26.6	28.5	30.3	33.1	34.0	35.8	35.8
142.5°	13.8	15.6	18.4	20.2	21.1	23.0	24.8	26.6	27.6	27.6
145°	10.1	11.9	12.9	14.7	15.6	16.5	18.4	19.3	20.2	20.2
147.5°	7.3	8.3	9.2	11.0	11.0	11.9	13.8	14.7	14.7	14.7
150°	5.5	6.4	7.3	7.3	8.3	8.3	10.1	11.0	11.0	11.0
152.5°	4.6	4.6	5.5	5.5	6.4	6.4	7.3	8.3	8.3	8.3
155°	3.7	3.7	3.7	3.7	4.6	4.6	5.5	5.5	6.4	6.4
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.7	4.6	4.6
160°	2.8	2.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8
162.5°	2.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8
165°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8
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: P236286

CATALOG NUMBER: 4SWLED-56HL-LC-UNV-L835-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)