

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: P236296

Luminaire Tested: **4SWLED-67HL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236296
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-67HL-LC-UNV-L840-CD1-U
Description: METALUX SWLED LINEAR LUMINAIRE
4FT FIXTURE WITH 2 ROW LED, CLEAR LENS
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

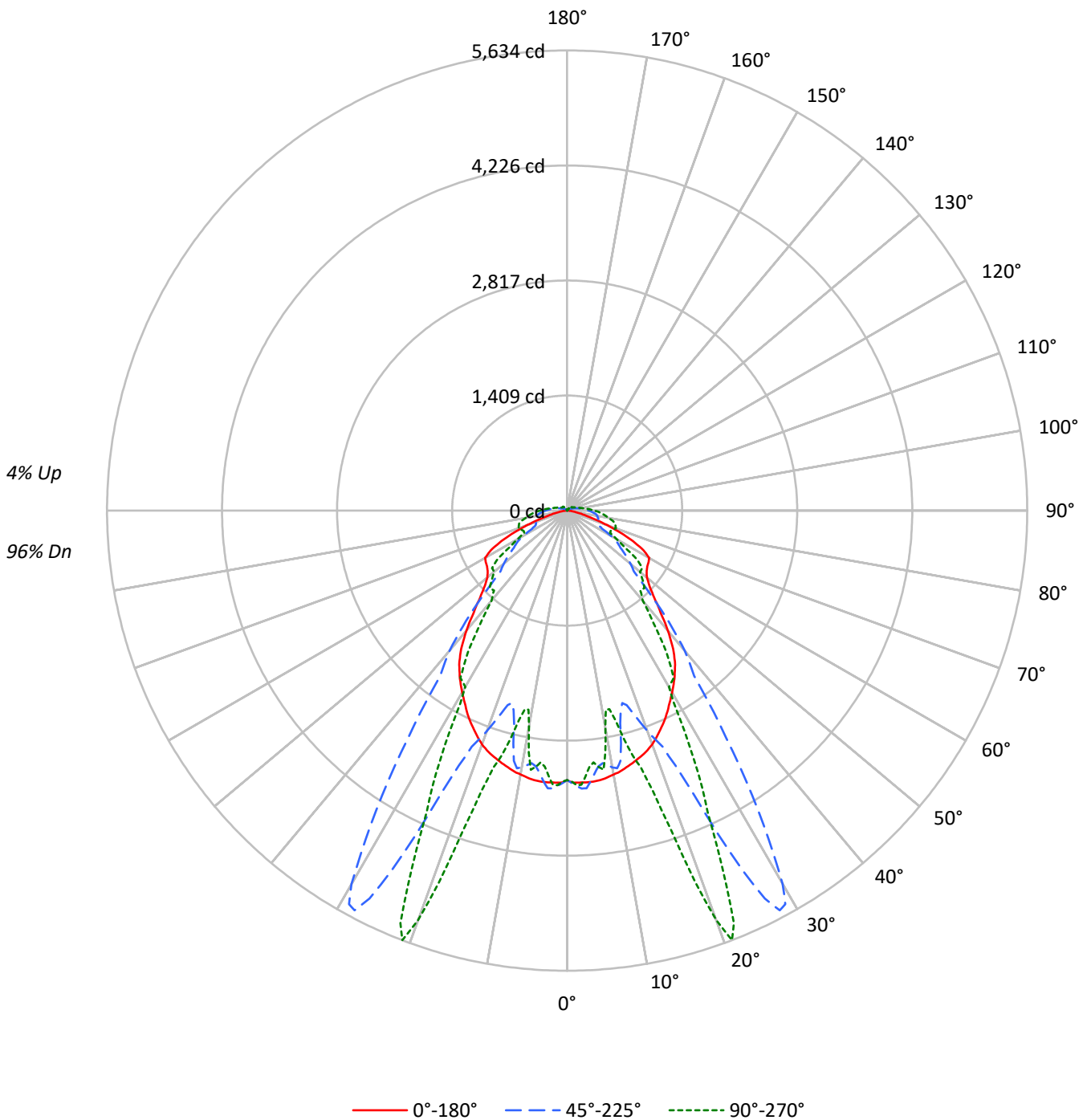
Lumens per Lamp: N/A
Luminaire Lumens: 8998.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 65.7
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	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°	23690	23690	23690
5°	23938	23343	21916
10°	23756	22094	18321
15°	23417	17388	20896
20°	22960	19769	35692
25°	22013	30327	27273
30°	20878	37266	16864
35°	19685	24553	14589
40°	17411	16744	10175
45°	14740	11047	9799
50°	13630	8330	8892
55°	14220	6984	8396
60°	15644	5927	5990
65°	14010	4395	5442
70°	9911	4622	6428
75°	5701	5153	6877
80°	3599	5701	6599
85°	1947	6097	6490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.0	3.4
10°-20°	869.2	9.7
20°-30°	1712.7	19.0
30°-40°	1767.2	19.6
40°-50°	1485.0	16.5
50°-60°	1095.3	12.2
60°-70°	621.0	6.9
70°-80°	445.8	5.0
80°-90°	302.2	3.4
90°-100°	180.6	2.0
100°-110°	94.3	1.0
110°-120°	52.8	0.6
120°-130°	30.9	0.3
130°-140°	21.4	0.2
140°-150°	7.8	0.1
150°-160°	2.2	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-30°	2891.0	32.1
0°-40°	4658.1	51.8
0°-60°	7238.4	80.4
0°-90°	8607.5	95.7
90°-120°	327.6	3.6
90°-150°	387.7	4.3
90°-180°	390.0	4.3
0°-180°	8998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3301	3301	3301	3301	3301	
5°	3334	3383	3326	3170	3146	317
15°	3183	3045	2529	2848	3106	897
25°	2828	2524	4368	4904	4069	1298
35°	2304	2839	3393	2300	2119	1425
45°	1505	3791	1416	1278	1341	1186
55°	1196	2127	798	1007	1044	1080
65°	890	854	426	522	588	862
75°	234	344	394	567	608	279
85°	34	144	329	402	429	43
90°	2	105	262	323	333	3
95°	1	84	204	237	248	1
105°	1	44	107	127	136	1
115°	2	20	59	84	94	2
125°	2	9	35	55	67	2
135°	2	4	26	52	65	2
145°	2	2	10	19	25	1
155°	3	3	4	6	8	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°	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3
1°	3329.3	3327.1	3313.6	3306.9	3305.8	3303.6	3304.7	3306.9	3312.5	3312.5	3338.2
2°	3332.6	3331.5	3322.6	3318.1	3318.1	3318.1	3320.3	3327.1	3331.5	3332.6	3371.8
3°	3333.8	3334.9	3329.3	3325.9	3333.8	3333.8	3337.1	3346.1	3361.7	3367.3	3407.5
4°	3336.0	3340.5	3337.1	3336.0	3351.6	3362.8	3369.5	3381.8	3391.9	3393.0	3408.6
5°	3333.8	3339.3	3339.3	3352.8	3374.0	3382.9	3388.5	3396.3	3380.7	3338.2	3325.9
6°	3331.5	3340.5	3346.1	3370.6	3389.6	3397.5	3398.6	3363.9	3322.6	3273.4	3233.2
7°	3325.9	3334.9	3352.8	3385.2	3397.5	3396.3	3377.3	3305.8	3233.2	3170.6	3152.7
8°	3312.5	3325.9	3361.7	3388.5	3379.6	3344.9	3309.2	3230.9	3162.8	3118.1	3121.4
9°	3296.9	3311.4	3361.7	3380.7	3337.1	3287.9	3243.2	3146.0	3102.4	3095.7	3156.1
10°	3281.2	3304.7	3362.8	3363.9	3268.9	3218.6	3157.2	3091.2	3090.1	3127.0	3192.9
11°	3267.8	3295.8	3356.1	3330.4	3210.8	3154.9	3092.4	3073.4	3116.9	3158.3	3214.2
12°	3248.8	3286.8	3341.6	3285.7	3135.9	3082.3	3049.9	3085.7	3138.2	3176.2	3133.7
13°	3226.5	3268.9	3313.6	3218.6	3074.5	3037.6	3049.9	3109.1	3142.7	3120.3	2931.4
14°	3203.0	3257.8	3280.1	3159.4	3018.6	3027.5	3066.7	3113.6	3119.2	2925.8	2688.9
15°	3182.9	3243.2	3244.4	3093.5	2999.6	3045.4	3075.6	3097.9	3009.7	2738.1	2529.1
16°	3159.4	3227.6	3205.2	3046.5	3017.5	3059.9	3076.7	3057.7	2801.8	2536.9	2450.9
17°	3135.9	3205.2	3156.1	3005.2	3038.7	3062.2	3061.1	2941.5	2647.6	2447.5	2488.9
18°	3109.1	3177.3	3111.4	2976.1	3047.7	3048.8	3023.1	2805.1	2493.3	2429.6	2605.1
19°	3078.9	3144.9	3063.3	2958.2	3036.5	3011.9	2944.8	2653.1	2434.1	2497.8	2737.0
20°	3046.5	3108.0	3019.7	2960.5	3008.5	2953.8	2852.1	2534.7	2430.7	2607.3	2872.2
21°	3006.3	3064.4	2978.4	2971.7	2957.1	2861.0	2733.6	2465.4	2484.4	2709.0	2995.1
22°	2962.7	3018.6	2946.0	2971.7	2878.9	2771.6	2627.4	2437.5	2576.0	2815.2	3116.9
23°	2915.8	2976.1	2915.8	2957.1	2782.8	2672.1	2541.4	2462.0	2642.0	2919.1	3390.8
24°	2873.3	2928.1	2895.7	2922.5	2696.7	2588.3	2487.7	2515.7	2703.4	3036.5	3773.0
25°	2827.5	2882.3	2877.8	2866.6	2618.5	2523.5	2476.6	2559.3	2785.0	3323.7	4367.5
26°	2777.2	2833.1	2861.0	2785.0	2559.3	2490.0	2492.2	2591.7	2894.5	3684.7	4902.8
27°	2723.6	2787.3	2828.6	2695.6	2517.9	2486.6	2524.6	2615.1	3148.2	4250.2	5329.8
28°	2669.9	2734.7	2782.8	2606.2	2493.3	2509.0	2538.0	2665.4	3472.3	4736.3	5543.2
29°	2618.5	2685.6	2731.4	2536.9	2490.0	2536.9	2535.8	2814.1	3976.4	5155.4	5509.7
30°	2572.7	2636.4	2672.1	2491.1	2507.9	2540.3	2534.7	3059.9	4406.6	5370.0	5278.4
32.5°	2443.0	2493.3	2494.5	2449.7	2536.9	2531.3	2731.4	4044.5	5126.4	5157.7	4353.0
35°	2304.5	2320.1	2342.5	2478.8	2555.9	2838.7	3505.9	4686.0	5081.7	4288.2	3393.0
37.5°	2132.4	2130.1	2281.0	2500.0	2934.8	3588.6	4121.7	4787.7	4351.9	3320.3	2554.8
40°	1915.5	1940.1	2269.8	2583.9	3548.3	3910.4	4176.4	4487.1	3374.0	2559.3	2238.5
42.5°	1694.3	1806.0	2269.8	2927.0	3667.9	3868.0	4138.4	3747.3	2672.1	2182.6	1830.6
45°	1505.4	1735.6	2286.6	3210.8	3550.6	3790.8	3833.3	2991.8	2215.1	1689.8	1416.0
47.5°	1365.7	1669.7	2431.9	3100.2	3427.6	3485.7	3325.9	2496.7	1652.9	1241.6	1109.8
50°	1274.0	1591.4	2494.5	2882.3	3172.8	3100.2	2864.4	1841.8	1141.1	1004.7	1013.6
52.5°	1226.0	1574.7	2323.5	2678.9	2851.0	2694.5	2258.6	1246.1	919.8	899.7	905.2
55°	1195.8	1524.4	2073.1	2400.6	2447.5	2126.8	1667.4	937.7	786.8	775.6	798.0
57.5°	1181.3	1381.3	1826.1	2035.1	1922.2	1637.3	1266.2	715.3	640.4	662.7	729.8
60°	1158.9	1231.6	1466.3	1600.4	1531.1	1296.4	960.0	568.9	556.6	597.9	628.1
62.5°	1053.9	1057.2	1025.9	1264.0	1252.8	1051.6	758.8	487.3	466.0	478.3	485.0
65°	889.6	820.3	709.7	1039.4	1033.8	853.8	604.6	386.7	376.6	404.6	425.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	706.3	591.2	532.0	831.5	821.4	676.1	483.9	333.0	352.0	381.1	412.4
70°	519.7	434.7	419.1	654.9	647.1	542.0	405.7	308.5	339.7	369.9	402.3
72.5°	354.3	321.9	329.7	494.0	506.3	433.6	344.2	292.8	320.7	355.4	404.6
75°	233.6	235.8	253.7	363.2	387.8	344.2	290.6	272.7	302.9	344.2	394.5
77.5°	159.8	167.6	188.9	260.4	289.5	268.2	247.0	251.5	283.9	331.9	384.4
80°	105.1	112.9	135.2	184.4	214.6	213.5	212.3	233.6	270.5	321.9	373.3
82.5°	63.7	71.5	92.8	130.8	162.0	172.1	185.5	216.8	261.5	318.5	359.9
85°	33.5	41.4	61.5	93.9	126.3	144.2	163.2	203.4	257.0	306.2	328.6
87.5°	13.4	21.2	40.2	68.2	102.8	122.9	145.3	193.3	249.2	281.6	293.9
90°	2.2	10.1	25.7	51.4	84.9	105.1	129.6	185.5	231.3	245.9	261.5
92.5°	1.1	5.6	17.9	39.1	71.5	92.8	118.5	172.1	202.3	216.8	231.3
95°	1.1	3.4	13.4	31.3	61.5	83.8	108.4	150.9	173.2	187.8	204.5
97.5°	1.1	3.4	10.1	25.7	55.9	76.0	97.2	127.4	146.4	163.2	177.7
100°	1.1	2.2	8.9	22.4	49.2	64.8	80.5	103.9	120.7	138.6	152.0
102.5°	1.1	2.2	7.8	20.1	42.5	54.8	65.9	83.8	101.7	116.2	129.6
105°	1.1	2.2	6.7	17.9	34.6	43.6	52.5	69.3	84.9	98.3	107.3
107.5°	1.1	2.2	5.6	14.5	27.9	35.8	43.6	58.1	71.5	81.6	90.5
110°	1.1	1.1	4.5	12.3	23.5	30.2	35.8	48.1	59.2	69.3	77.1
112.5°	2.2	2.2	4.5	10.1	19.0	24.6	30.2	40.2	50.3	59.2	67.1
115°	2.2	2.2	3.4	7.8	15.6	20.1	24.6	33.5	42.5	51.4	59.2
117.5°	2.2	2.2	3.4	6.7	12.3	16.8	20.1	27.9	35.8	44.7	52.5
120°	2.2	2.2	2.2	5.6	11.2	13.4	16.8	23.5	31.3	39.1	45.8
122.5°	2.2	2.2	2.2	4.5	8.9	11.2	13.4	20.1	26.8	33.5	40.2
125°	2.2	2.2	2.2	3.4	6.7	8.9	11.2	16.8	22.4	29.1	34.6
127.5°	2.2	2.2	2.2	3.4	5.6	7.8	8.9	13.4	19.0	23.5	30.2
130°	2.2	2.2	2.2	2.2	4.5	5.6	7.8	11.2	15.6	21.2	26.8
132.5°	2.2	2.2	2.2	2.2	4.5	5.6	6.7	10.1	15.6	20.1	25.7
135°	2.2	2.2	2.2	2.2	3.4	4.5	6.7	10.1	14.5	20.1	25.7
137.5°	2.2	2.2	2.2	2.2	3.4	4.5	5.6	8.9	13.4	19.0	23.5
140°	2.2	2.2	2.2	2.2	2.2	3.4	4.5	7.8	11.2	14.5	19.0
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	3.4	5.6	7.8	11.2	14.5
145°	2.2	2.2	2.2	2.2	2.2	2.2	3.4	4.5	5.6	7.8	10.1
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.4	4.5	5.6	7.8
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.4	3.4	4.5	5.6
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
155°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
162.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
165°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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: P236296

CATALOG NUMBER: 4SWLED-67HL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3
1°	3347.2	3342.7	3339.3	3334.9	3330.4	3329.3	3327.1	3325.9	3317.0	3318.1
2°	3379.6	3382.9	3380.7	3376.2	3379.6	3375.1	3372.9	3368.4	3365.0	3366.2
3°	3418.7	3417.6	3407.5	3395.2	3387.4	3387.4	3370.6	3363.9	3343.8	3361.7
4°	3384.0	3360.6	3322.6	3304.7	3287.9	3285.7	3265.6	3246.6	3236.5	3254.4
5°	3290.2	3255.5	3207.5	3188.5	3169.5	3171.7	3154.9	3142.7	3134.8	3146.0
6°	3196.3	3165.0	3131.5	3111.4	3103.5	3097.9	3095.7	3099.1	3101.3	3100.2
7°	3130.4	3123.7	3120.3	3129.2	3137.1	3137.1	3150.5	3161.6	3165.0	3162.8
8°	3142.7	3165.0	3179.5	3185.1	3186.2	3188.5	3209.7	3209.7	3203.0	3205.2
9°	3192.9	3208.6	3224.2	3204.1	3165.0	3157.2	3083.4	3039.8	2978.4	2996.2
10°	3232.1	3203.0	3082.3	2982.8	2915.8	2893.4	2781.7	2732.5	2668.8	2686.7
11°	3165.0	3008.5	2826.4	2702.3	2638.6	2601.7	2529.1	2498.9	2486.6	2483.3
12°	2915.8	2733.6	2570.4	2498.9	2469.9	2458.7	2450.9	2459.8	2479.9	2485.5
13°	2688.9	2538.0	2463.2	2468.7	2483.3	2501.2	2563.7	2600.6	2636.4	2637.5
14°	2505.6	2459.8	2520.2	2596.2	2639.7	2667.7	2754.8	2815.2	2881.1	2893.4
15°	2457.6	2533.6	2676.6	2792.8	2847.6	2906.8	3022.0	3071.1	3108.0	3105.8
16°	2540.3	2671.0	2870.0	3006.3	3062.2	3101.3	3175.1	3219.8	3263.3	3270.1
17°	2678.9	2878.9	3062.2	3167.2	3207.5	3252.2	3388.5	3482.4	3561.7	3587.4
18°	2824.1	3034.2	3179.5	3349.4	3455.6	3542.7	3732.7	3906.0	4072.5	4103.8
19°	2986.2	3169.5	3412.0	3703.7	3834.4	4030.0	4368.6	4579.9	4748.6	4803.4
20°	3092.4	3381.8	3758.4	4307.2	4491.6	4708.4	5032.5	5193.4	5309.6	5335.4
21°	3279.0	3754.0	4401.1	4943.1	5129.7	5250.4	5465.0	5566.7	5595.7	5633.7
22°	3588.6	4344.1	5009.0	5403.5	5528.7	5598.0	5621.5	5545.5	5477.3	5450.5
23°	4156.3	4925.2	5411.3	5630.4	5618.1	5533.2	5342.1	5162.1	5044.8	4995.6
24°	4773.2	5372.2	5612.5	5427.0	5320.8	5139.8	4896.1	4715.1	4589.9	4529.6
25°	5209.1	5593.5	5390.1	5039.2	4904.0	4716.2	4421.2	4247.9	4125.0	4069.1
26°	5535.4	5486.2	5014.6	4612.3	4453.6	4272.5	4013.2	3916.0	3825.5	3771.9
27°	5565.6	5166.6	4615.6	4171.9	4030.0	3901.5	3707.0	3567.3	3472.3	3422.0
28°	5323.1	4793.3	4190.9	3835.6	3720.4	3564.0	3343.8	3206.4	3139.3	3063.3
29°	5013.5	4365.3	3837.8	3467.9	3342.7	3185.1	2966.1	2785.0	2741.4	2694.5
30°	4597.7	3975.3	3486.9	3074.5	2954.9	2785.0	2617.4	2558.2	2529.1	2492.2
32.5°	3619.9	2995.1	2588.3	2431.9	2396.1	2380.5	2441.9	2452.0	2449.7	2429.6
35°	2709.0	2368.2	2353.6	2330.2	2300.0	2270.9	2213.9	2181.5	2153.6	2118.9
37.5°	2313.4	2218.4	2085.4	1970.3	1918.9	1879.8	1820.5	1788.1	1761.3	1741.2
40°	2027.3	1831.7	1698.7	1618.3	1590.3	1544.5	1507.6	1487.5	1467.4	1440.6
42.5°	1636.1	1461.8	1356.7	1299.8	1283.0	1265.1	1279.6	1303.1	1314.3	1326.6
45°	1259.5	1180.2	1204.8	1257.3	1278.5	1300.9	1333.3	1340.0	1342.2	1341.1
47.5°	1097.5	1154.5	1183.5	1200.3	1196.9	1205.9	1232.7	1250.6	1261.8	1251.7
50°	1042.7	1050.5	1090.8	1132.1	1138.8	1127.6	1133.2	1147.8	1163.4	1165.6
52.5°	943.2	976.8	1008.1	1036.0	1060.6	1085.2	1125.4	1145.5	1157.8	1157.8
55°	847.1	908.6	952.2	991.3	1006.9	1013.6	1033.8	1041.6	1049.4	1043.8
57.5°	786.8	815.8	844.9	839.3	827.0	809.1	820.3	833.7	839.3	836.0
60°	635.9	637.0	640.4	649.3	663.8	677.3	690.7	694.0	699.6	698.5
62.5°	502.9	514.1	532.0	561.0	568.9	568.9	582.3	592.3	595.7	591.2
65°	451.5	473.9	505.1	521.9	521.9	525.3	549.9	578.9	590.1	587.8



TEST NUMBER: P236296

CATALOG NUMBER: 4SWLED-67HL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
67.5°	441.4	480.6	496.2	519.7	537.6	555.4	580.0	596.8	606.8	610.2
70°	448.2	477.2	508.5	540.9	555.4	571.1	600.1	623.6	632.6	633.7
72.5°	447.0	485.0	516.3	555.4	572.2	586.7	608.0	616.9	620.3	620.3
75°	443.7	481.7	525.3	553.2	566.6	581.1	593.4	600.1	605.7	608.0
77.5°	429.2	470.5	491.7	517.4	526.4	533.1	548.7	559.9	567.7	568.9
80°	411.3	430.3	445.9	467.2	473.9	483.9	499.6	506.3	511.9	511.9
82.5°	376.6	390.0	406.8	429.2	441.4	451.5	463.8	468.3	471.6	472.7
85°	339.7	353.2	374.4	393.4	402.3	411.3	422.4	429.2	431.4	429.2
87.5°	306.2	325.2	345.3	359.9	363.2	367.7	376.6	382.2	384.4	386.7
90°	276.0	295.0	310.7	323.0	323.0	327.5	331.9	333.0	330.8	333.0
92.5°	249.2	261.5	270.5	276.0	276.0	279.4	285.0	287.2	286.1	287.2
95°	216.8	225.8	230.2	233.6	236.9	241.4	245.9	247.0	247.0	248.1
97.5°	187.8	194.5	198.9	202.3	203.4	206.8	206.8	207.9	207.9	209.0
100°	162.0	168.8	169.9	168.8	169.9	171.0	172.1	174.3	175.5	176.6
102.5°	137.5	143.1	145.3	146.4	147.5	149.8	152.0	153.1	155.3	155.3
105°	114.0	120.7	125.2	127.4	127.4	129.6	131.9	134.1	135.2	136.3
107.5°	97.2	103.9	109.5	111.8	114.0	115.1	117.3	119.6	120.7	121.8
110°	83.8	90.5	97.2	101.7	102.8	105.1	107.3	109.5	110.6	111.8
112.5°	74.9	80.5	86.1	90.5	92.8	95.0	97.2	99.5	101.7	101.7
115°	65.9	72.6	77.1	81.6	83.8	84.9	88.3	91.6	92.8	93.9
117.5°	59.2	64.8	69.3	73.8	76.0	78.2	80.5	82.7	84.9	84.9
120°	52.5	58.1	62.6	65.9	68.2	69.3	72.6	74.9	76.0	77.1
122.5°	45.8	51.4	54.8	59.2	60.3	62.6	65.9	68.2	69.3	70.4
125°	40.2	44.7	49.2	53.6	54.8	57.0	61.5	63.7	65.9	67.1
127.5°	35.8	40.2	45.8	50.3	52.5	55.9	60.3	63.7	65.9	67.1
130°	32.4	39.1	44.7	50.3	53.6	55.9	61.5	65.9	68.2	68.2
132.5°	32.4	39.1	45.8	51.4	54.8	57.0	62.6	67.1	69.3	70.4
135°	31.3	36.9	43.6	49.2	52.5	54.8	59.2	62.6	64.8	64.8
137.5°	27.9	32.4	36.9	41.4	44.7	46.9	50.3	52.5	54.8	54.8
140°	22.4	25.7	29.1	32.4	34.6	36.9	40.2	41.4	43.6	43.6
142.5°	16.8	19.0	22.4	24.6	25.7	27.9	30.2	32.4	33.5	33.5
145°	12.3	14.5	15.6	17.9	19.0	20.1	22.4	23.5	24.6	24.6
147.5°	8.9	10.1	11.2	13.4	13.4	14.5	16.8	17.9	17.9	17.9
150°	6.7	7.8	8.9	8.9	10.1	10.1	12.3	13.4	13.4	13.4
152.5°	5.6	5.6	6.7	6.7	7.8	7.8	8.9	10.1	10.1	10.1
155°	4.5	4.5	4.5	4.5	5.6	5.6	6.7	6.7	7.8	7.8
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	5.6	5.6
160°	3.4	3.4	2.2	2.2	2.2	2.2	3.4	3.4	3.4	3.4
162.5°	3.4	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2
165°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2
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: P236296

CATALOG NUMBER: 4SWLED-67HL-LC-UNV-L840-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)