

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: P236292

Luminaire Tested: **4SWLED-64HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P236292  
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-64HL-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**

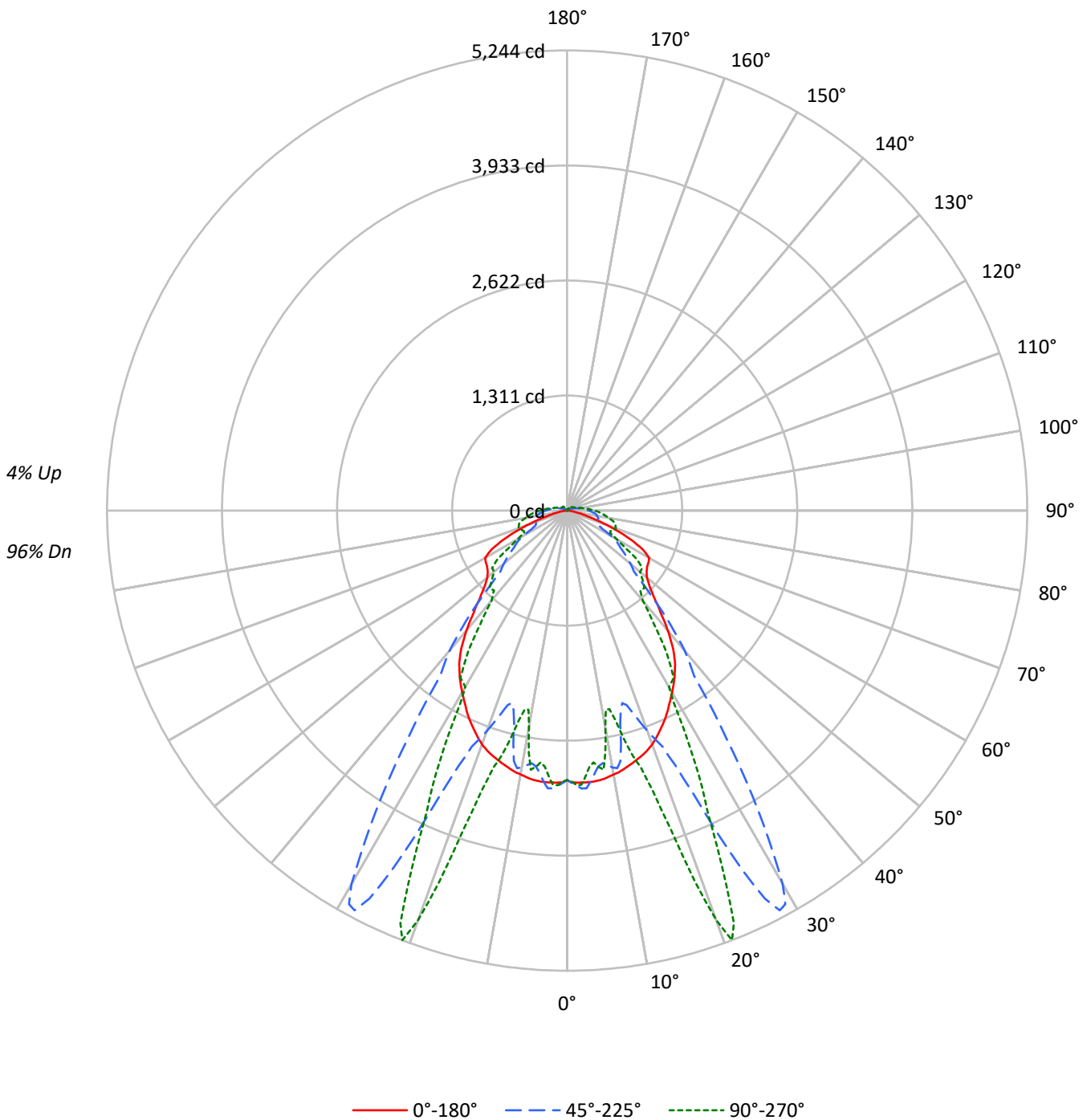
Lumens per Lamp: N/A  
Luminaire Lumens: 8375.0 lumens  
Efficiency: N/A  
Efficacy: 135.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 4' x H: 0.15')  
CIE Type: Direct

Input Watts (W): 62  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	22050	22050	22050
5°	22280	21728	20399
10°	22111	20565	17052
15°	21796	16184	19449
20°	21370	18400	33220
25°	20489	28228	25385
30°	19433	34686	15697
35°	18322	22853	13579
40°	16206	15584	9470
45°	13720	10282	9120
50°	12687	7754	8276
55°	13235	6500	7815
60°	14562	5516	5575
65°	13040	4091	5065
70°	9225	4302	5983
75°	5306	4797	6401
80°	3349	5306	6142
85°	1813	5674	6039



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.6	3.4
10°-20°	809.1	9.7
20°-30°	1594.1	19.0
30°-40°	1644.8	19.6
40°-50°	1382.2	16.5
50°-60°	1019.4	12.2
60°-70°	578.0	6.9
70°-80°	415.0	5.0
80°-90°	281.3	3.4
90°-100°	168.0	2.0
100°-110°	87.8	1.0
110°-120°	49.1	0.6
120°-130°	28.8	0.3
130°-140°	19.9	0.2
140°-150°	7.2	0.1
150°-160°	2.1	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-30°	2690.8	32.1
0°-40°	4335.6	51.8
0°-60°	6737.3	80.4
0°-90°	8011.5	95.7
90°-120°	305.0	3.6
90°-150°	360.9	4.3
90°-180°	363.0	4.3
0°-180°	8375.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3073	3073	3073	3073	3073	
5°	3103	3149	3096	2950	2928	295
15°	2962	2835	2354	2650	2891	835
25°	2632	2349	4065	4564	3787	1208
35°	2145	2642	3158	2141	1972	1326
45°	1401	3528	1318	1190	1248	1104
55°	1113	1980	743	937	972	1005
65°	828	795	396	486	547	802
75°	217	320	367	527	566	259
85°	31	134	306	374	399	40
90°	2	98	243	301	310	2
95°	1	78	190	220	231	1
105°	1	41	100	119	127	1
115°	2	19	55	78	87	2
125°	2	8	32	51	62	2
135°	2	4	24	49	60	2
145°	2	2	9	18	23	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
1°	3098.8	3096.7	3084.2	3078.0	3076.9	3074.9	3075.9	3078.0	3083.2	3083.2	3107.1
2°	3101.9	3100.9	3092.5	3088.4	3088.4	3088.4	3090.5	3096.7	3100.9	3101.9	3138.3
3°	3102.9	3104.0	3098.8	3095.7	3102.9	3102.9	3106.1	3114.4	3128.9	3134.1	3171.6
4°	3105.0	3109.2	3106.1	3105.0	3119.6	3130.0	3136.2	3147.7	3157.0	3158.1	3172.6
5°	3102.9	3108.1	3108.1	3120.6	3140.4	3148.7	3153.9	3161.2	3146.6	3107.1	3095.7
6°	3100.9	3109.2	3114.4	3137.3	3154.9	3162.2	3163.3	3131.0	3092.5	3046.8	3009.3
7°	3095.7	3104.0	3120.6	3150.8	3162.2	3161.2	3143.5	3076.9	3009.3	2951.1	2934.4
8°	3083.2	3095.7	3128.9	3153.9	3145.6	3113.3	3080.1	3007.2	2943.8	2902.2	2905.3
9°	3068.6	3082.1	3128.9	3146.6	3106.1	3060.3	3018.7	2928.2	2887.6	2881.4	2937.5
10°	3054.0	3075.9	3130.0	3131.0	3042.6	2995.8	2938.6	2877.2	2876.2	2910.5	2971.9
11°	3041.6	3067.6	3123.7	3099.8	2988.5	2936.5	2878.3	2860.6	2901.1	2939.6	2991.6
12°	3023.9	3059.2	3110.2	3058.2	2918.8	2868.9	2838.7	2872.0	2920.9	2956.3	2916.7
13°	3003.1	3042.6	3084.2	2995.8	2861.6	2827.3	2838.7	2893.9	2925.1	2904.3	2728.5
14°	2981.2	3032.2	3053.0	2940.7	2809.6	2817.9	2854.3	2898.0	2903.2	2723.3	2502.7
15°	2962.5	3018.7	3019.7	2879.3	2791.9	2834.6	2862.6	2883.5	2801.3	2548.5	2354.0
16°	2940.7	3004.1	2983.3	2835.6	2808.6	2848.1	2863.7	2846.0	2607.8	2361.3	2281.2
17°	2918.8	2983.3	2937.5	2797.1	2828.3	2850.2	2849.1	2737.8	2464.2	2278.1	2316.5
18°	2893.9	2957.3	2895.9	2770.1	2836.6	2837.7	2813.8	2610.9	2320.7	2261.4	2424.7
19°	2865.8	2927.1	2851.2	2753.4	2826.2	2803.4	2740.9	2469.5	2265.6	2324.9	2547.5
20°	2835.6	2892.8	2810.6	2755.5	2800.2	2749.3	2654.6	2359.2	2262.4	2426.8	2673.3
21°	2798.2	2852.2	2772.2	2765.9	2752.4	2662.9	2544.3	2294.7	2312.4	2521.5	2787.8
22°	2757.6	2809.6	2742.0	2765.9	2679.6	2579.7	2445.5	2268.7	2397.7	2620.3	2901.1
23°	2713.9	2770.1	2713.9	2752.4	2590.1	2487.1	2365.4	2291.6	2459.0	2717.0	3156.0
24°	2674.4	2725.3	2695.2	2720.1	2510.0	2409.1	2315.5	2341.5	2516.3	2826.2	3511.7
25°	2631.7	2682.7	2678.5	2668.1	2437.2	2348.8	2305.1	2382.1	2592.2	3093.6	4065.1
26°	2584.9	2636.9	2662.9	2592.2	2382.1	2317.6	2319.7	2412.2	2694.1	3429.6	4563.4
27°	2535.0	2594.3	2632.8	2509.0	2343.6	2314.5	2349.8	2434.1	2930.3	3955.9	4960.7
28°	2485.1	2545.4	2590.1	2425.8	2320.7	2335.3	2362.3	2480.9	3231.9	4408.4	5159.4
29°	2437.2	2499.6	2542.3	2361.3	2317.6	2361.3	2360.2	2619.2	3701.1	4798.5	5128.2
30°	2394.6	2453.8	2487.1	2318.6	2334.2	2364.4	2359.2	2848.1	4101.5	4998.2	4912.9
32.5°	2273.9	2320.7	2321.7	2280.1	2361.3	2356.1	2542.3	3764.5	4771.4	4800.6	4051.6
35°	2144.9	2159.5	2180.3	2307.2	2379.0	2642.1	3263.1	4361.6	4729.8	3991.3	3158.1
37.5°	1984.7	1982.6	2123.1	2326.9	2731.6	3340.1	3836.3	4456.2	4050.6	3090.5	2377.9
40°	1782.9	1805.8	2112.7	2405.0	3302.7	3639.7	3887.3	4176.4	3140.4	2382.1	2083.5
42.5°	1577.0	1681.0	2112.7	2724.3	3414.0	3600.2	3851.9	3487.8	2487.1	2031.5	1703.9
45°	1401.2	1615.4	2128.3	2988.5	3304.7	3528.4	3567.9	2784.6	2061.7	1572.8	1317.9
47.5°	1271.1	1554.1	2263.5	2885.5	3190.3	3244.4	3095.7	2323.8	1538.5	1155.7	1032.9
50°	1185.8	1481.3	2321.7	2682.7	2953.1	2885.5	2666.0	1714.3	1062.1	935.1	943.5
52.5°	1141.1	1465.7	2162.6	2493.4	2653.6	2507.9	2102.3	1159.8	856.1	837.4	842.6
55°	1113.0	1418.8	1929.6	2234.4	2278.1	1979.5	1552.0	872.7	732.3	721.9	742.7
57.5°	1099.5	1285.7	1699.7	1894.2	1789.2	1523.9	1178.6	665.7	596.0	616.8	679.3
60°	1078.7	1146.3	1364.8	1489.6	1425.1	1206.6	893.5	529.5	518.0	556.5	584.6
62.5°	980.9	984.0	954.9	1176.5	1166.1	978.8	706.3	453.5	433.8	445.2	451.4
65°	828.0	763.5	660.5	967.4	962.2	794.7	562.8	359.9	350.5	376.6	396.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	657.4	550.3	495.1	773.9	764.6	629.3	450.4	310.0	327.7	354.7	383.8
70°	483.7	404.6	390.1	609.6	602.3	504.5	377.6	287.1	316.2	344.3	374.5
72.5°	329.7	299.6	306.9	459.8	471.2	403.6	320.4	272.5	298.5	330.8	376.6
75°	217.4	219.5	236.1	338.1	361.0	320.4	270.5	253.8	281.9	320.4	367.2
77.5°	148.7	156.0	175.8	242.4	269.4	249.6	229.9	234.0	264.2	308.9	357.8
80°	97.8	105.1	125.9	171.6	199.7	198.7	197.6	217.4	251.7	299.6	347.4
82.5°	59.3	66.6	86.3	121.7	150.8	160.2	172.7	201.8	243.4	296.5	334.9
85°	31.2	38.5	57.2	87.4	117.5	134.2	151.9	189.3	239.2	285.0	305.8
87.5°	12.5	19.8	37.4	63.5	95.7	114.4	135.2	180.0	232.0	262.1	273.6
90°	2.1	9.4	23.9	47.8	79.1	97.8	120.7	172.7	215.3	228.8	243.4
92.5°	1.0	5.2	16.6	36.4	66.6	86.3	110.3	160.2	188.3	201.8	215.3
95°	1.0	3.1	12.5	29.1	57.2	78.0	100.9	140.4	161.2	174.8	190.4
97.5°	1.0	3.1	9.4	23.9	52.0	70.7	90.5	118.6	136.3	151.9	165.4
100°	1.0	2.1	8.3	20.8	45.8	60.3	74.9	96.7	112.3	129.0	141.5
102.5°	1.0	2.1	7.3	18.7	39.5	51.0	61.4	78.0	94.7	108.2	120.7
105°	1.0	2.1	6.2	16.6	32.2	40.6	48.9	64.5	79.1	91.5	99.9
107.5°	1.0	2.1	5.2	13.5	26.0	33.3	40.6	54.1	66.6	75.9	84.3
110°	1.0	1.0	4.2	11.4	21.8	28.1	33.3	44.7	55.1	64.5	71.8
112.5°	2.1	2.1	4.2	9.4	17.7	22.9	28.1	37.4	46.8	55.1	62.4
115°	2.1	2.1	3.1	7.3	14.6	18.7	22.9	31.2	39.5	47.8	55.1
117.5°	2.1	2.1	3.1	6.2	11.4	15.6	18.7	26.0	33.3	41.6	48.9
120°	2.1	2.1	2.1	5.2	10.4	12.5	15.6	21.8	29.1	36.4	42.6
122.5°	2.1	2.1	2.1	4.2	8.3	10.4	12.5	18.7	25.0	31.2	37.4
125°	2.1	2.1	2.1	3.1	6.2	8.3	10.4	15.6	20.8	27.0	32.2
127.5°	2.1	2.1	2.1	3.1	5.2	7.3	8.3	12.5	17.7	21.8	28.1
130°	2.1	2.1	2.1	2.1	4.2	5.2	7.3	10.4	14.6	19.8	25.0
132.5°	2.1	2.1	2.1	2.1	4.2	5.2	6.2	9.4	14.6	18.7	23.9
135°	2.1	2.1	2.1	2.1	3.1	4.2	6.2	9.4	13.5	18.7	23.9
137.5°	2.1	2.1	2.1	2.1	3.1	4.2	5.2	8.3	12.5	17.7	21.8
140°	2.1	2.1	2.1	2.1	2.1	3.1	4.2	7.3	10.4	13.5	17.7
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	5.2	7.3	10.4	13.5
145°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	4.2	5.2	7.3	9.4
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	4.2	5.2	7.3
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	4.2	5.2
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
162.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
165°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P236292

CATALOG NUMBER: 4SWLED-64HL-LC-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8	3072.8
1°	3115.4	3111.3	3108.1	3104.0	3099.8	3098.8	3096.7	3095.7	3087.3	3088.4
2°	3145.6	3148.7	3146.6	3142.5	3145.6	3141.4	3139.3	3135.2	3132.1	3133.1
3°	3182.0	3181.0	3171.6	3160.1	3152.9	3152.9	3137.3	3131.0	3112.3	3128.9
4°	3149.7	3127.9	3092.5	3075.9	3060.3	3058.2	3039.5	3021.8	3012.4	3029.1
5°	3062.4	3030.1	2985.4	2967.7	2950.0	2952.1	2936.5	2925.1	2917.8	2928.2
6°	2975.0	2945.9	2914.7	2895.9	2888.7	2883.5	2881.4	2884.5	2886.6	2885.5
7°	2913.6	2907.4	2904.3	2912.6	2919.9	2919.9	2932.3	2942.7	2945.9	2943.8
8°	2925.1	2945.9	2959.4	2964.6	2965.6	2967.7	2987.5	2987.5	2981.2	2983.3
9°	2971.9	2986.4	3001.0	2982.3	2945.9	2938.6	2869.9	2829.4	2772.2	2788.8
10°	3008.3	2981.2	2868.9	2776.3	2713.9	2693.1	2589.1	2543.3	2484.0	2500.7
11°	2945.9	2800.2	2630.7	2515.2	2455.9	2421.6	2354.0	2325.9	2314.5	2311.3
12°	2713.9	2544.3	2392.5	2325.9	2298.9	2288.5	2281.2	2289.5	2308.2	2313.4
13°	2502.7	2362.3	2292.6	2297.8	2311.3	2328.0	2386.2	2420.6	2453.8	2454.9
14°	2332.1	2289.5	2345.7	2416.4	2457.0	2483.0	2564.1	2620.3	2681.7	2693.1
15°	2287.4	2358.1	2491.3	2599.5	2650.4	2705.6	2812.7	2858.5	2892.8	2890.7
16°	2364.4	2486.1	2671.3	2798.2	2850.2	2886.6	2955.2	2996.8	3037.4	3043.6
17°	2493.4	2679.6	2850.2	2947.9	2985.4	3027.0	3153.9	3241.3	3315.1	3339.1
18°	2628.6	2824.2	2959.4	3117.5	3216.3	3297.5	3474.3	3635.5	3790.5	3819.6
19°	2779.4	2950.0	3175.8	3447.2	3568.9	3751.0	4066.2	4262.8	4419.8	4470.8
20°	2878.3	3147.7	3498.2	4009.0	4180.6	4382.4	4684.0	4833.8	4942.0	4965.9
21°	3052.0	3494.1	4096.3	4600.8	4774.5	4886.9	5086.6	5181.3	5208.3	5243.7
22°	3340.1	4043.3	4662.2	5029.4	5145.9	5210.4	5232.2	5161.5	5098.1	5073.1
23°	3868.5	4584.2	5036.7	5240.6	5229.1	5150.1	4972.2	4804.7	4695.5	4649.7
24°	4442.7	5000.3	5223.9	5051.2	4952.4	4783.9	4557.1	4388.6	4272.1	4216.0
25°	4848.4	5206.2	5016.9	4690.3	4564.4	4389.7	4115.1	3953.8	3839.4	3787.4
26°	5152.1	5106.4	4667.4	4292.9	4145.2	3976.7	3735.4	3644.9	3560.6	3510.7
27°	5180.2	4808.9	4296.1	3883.1	3751.0	3631.4	3450.4	3320.3	3231.9	3185.1
28°	4954.5	4461.4	3900.8	3570.0	3462.8	3317.2	3112.3	2984.4	2921.9	2851.2
29°	4666.4	4063.0	3572.1	3227.8	3111.3	2964.6	2760.7	2592.2	2551.6	2507.9
30°	4279.4	3700.0	3245.4	2861.6	2750.3	2592.2	2436.2	2381.0	2354.0	2319.7
32.5°	3369.2	2787.8	2409.1	2263.5	2230.2	2215.6	2272.9	2282.2	2280.1	2261.4
35°	2521.5	2204.2	2190.7	2168.8	2140.7	2113.7	2060.6	2030.5	2004.5	1972.2
37.5°	2153.2	2064.8	1941.0	1833.9	1786.0	1749.6	1694.5	1664.3	1639.4	1620.6
40°	1886.9	1704.9	1581.1	1506.2	1480.2	1437.6	1403.2	1384.5	1365.8	1340.8
42.5°	1522.9	1360.6	1262.8	1209.8	1194.2	1177.5	1191.0	1212.9	1223.3	1234.7
45°	1172.3	1098.5	1121.3	1170.2	1190.0	1210.8	1241.0	1247.2	1249.3	1248.2
47.5°	1021.5	1074.5	1101.6	1117.2	1114.1	1122.4	1147.3	1164.0	1174.4	1165.0
50°	970.5	977.8	1015.2	1053.7	1060.0	1049.6	1054.8	1068.3	1082.9	1084.9
52.5°	877.9	909.1	938.3	964.3	987.2	1010.0	1047.5	1066.2	1077.7	1077.7
55°	788.5	845.7	886.3	922.7	937.2	943.5	962.2	969.5	976.8	971.6
57.5°	732.3	759.4	786.4	781.2	769.8	753.1	763.5	776.0	781.2	778.1
60°	591.9	592.9	596.0	604.4	617.9	630.4	642.8	646.0	651.2	650.1
62.5°	468.1	478.5	495.1	522.2	529.5	529.5	541.9	551.3	554.4	550.3
65°	420.2	441.0	470.2	485.8	485.8	488.9	511.8	538.8	549.2	547.1



TEST NUMBER: P236292

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
67.5°	410.9	447.3	461.9	483.7	500.3	517.0	539.9	555.5	564.8	568.0
70°	417.1	444.2	473.3	503.5	517.0	531.5	558.6	580.4	588.8	589.8
72.5°	416.1	451.4	480.6	517.0	532.6	546.1	565.9	574.2	577.3	577.3
75°	413.0	448.3	488.9	514.9	527.4	540.9	552.3	558.6	563.8	565.9
77.5°	399.4	437.9	457.7	481.6	489.9	496.2	510.7	521.1	528.4	529.5
80°	382.8	400.5	415.0	434.8	441.0	450.4	465.0	471.2	476.4	476.4
82.5°	350.5	363.0	378.6	399.4	410.9	420.2	431.7	435.8	439.0	440.0
85°	316.2	328.7	348.5	366.2	374.5	382.8	393.2	399.4	401.5	399.4
87.5°	285.0	302.7	321.4	334.9	338.1	342.2	350.5	355.8	357.8	359.9
90°	256.9	274.6	289.2	300.6	300.6	304.8	308.9	310.0	307.9	310.0
92.5°	232.0	243.4	251.7	256.9	256.9	260.1	265.3	267.3	266.3	267.3
95°	201.8	210.1	214.3	217.4	220.5	224.7	228.8	229.9	229.9	230.9
97.5°	174.8	181.0	185.2	188.3	189.3	192.4	192.4	193.5	193.5	194.5
100°	150.8	157.1	158.1	157.1	158.1	159.2	160.2	162.3	163.3	164.4
102.5°	127.9	133.1	135.2	136.3	137.3	139.4	141.5	142.5	144.6	144.6
105°	106.1	112.3	116.5	118.6	118.6	120.7	122.7	124.8	125.9	126.9
107.5°	90.5	96.7	101.9	104.0	106.1	107.1	109.2	111.3	112.3	113.4
110°	78.0	84.3	90.5	94.7	95.7	97.8	99.9	101.9	103.0	104.0
112.5°	69.7	74.9	80.1	84.3	86.3	88.4	90.5	92.6	94.7	94.7
115°	61.4	67.6	71.8	75.9	78.0	79.1	82.2	85.3	86.3	87.4
117.5°	55.1	60.3	64.5	68.7	70.7	72.8	74.9	77.0	79.1	79.1
120°	48.9	54.1	58.3	61.4	63.5	64.5	67.6	69.7	70.7	71.8
122.5°	42.6	47.8	51.0	55.1	56.2	58.3	61.4	63.5	64.5	65.5
125°	37.4	41.6	45.8	49.9	51.0	53.1	57.2	59.3	61.4	62.4
127.5°	33.3	37.4	42.6	46.8	48.9	52.0	56.2	59.3	61.4	62.4
130°	30.2	36.4	41.6	46.8	49.9	52.0	57.2	61.4	63.5	63.5
132.5°	30.2	36.4	42.6	47.8	51.0	53.1	58.3	62.4	64.5	65.5
135°	29.1	34.3	40.6	45.8	48.9	51.0	55.1	58.3	60.3	60.3
137.5°	26.0	30.2	34.3	38.5	41.6	43.7	46.8	48.9	51.0	51.0
140°	20.8	23.9	27.0	30.2	32.2	34.3	37.4	38.5	40.6	40.6
142.5°	15.6	17.7	20.8	22.9	23.9	26.0	28.1	30.2	31.2	31.2
145°	11.4	13.5	14.6	16.6	17.7	18.7	20.8	21.8	22.9	22.9
147.5°	8.3	9.4	10.4	12.5	12.5	13.5	15.6	16.6	16.6	16.6
150°	6.2	7.3	8.3	8.3	9.4	9.4	11.4	12.5	12.5	12.5
152.5°	5.2	5.2	6.2	6.2	7.3	7.3	8.3	9.4	9.4	9.4
155°	4.2	4.2	4.2	4.2	5.2	5.2	6.2	6.2	7.3	7.3
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	5.2	5.2
160°	3.1	3.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1
162.5°	3.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1	2.1
165°	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	2.1
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: P236292

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**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)