

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: McGRAW-EDISON

Report Number: P942112

Luminaire Tested: **GALN-SB6A-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22275 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 170.9
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: 24 FT

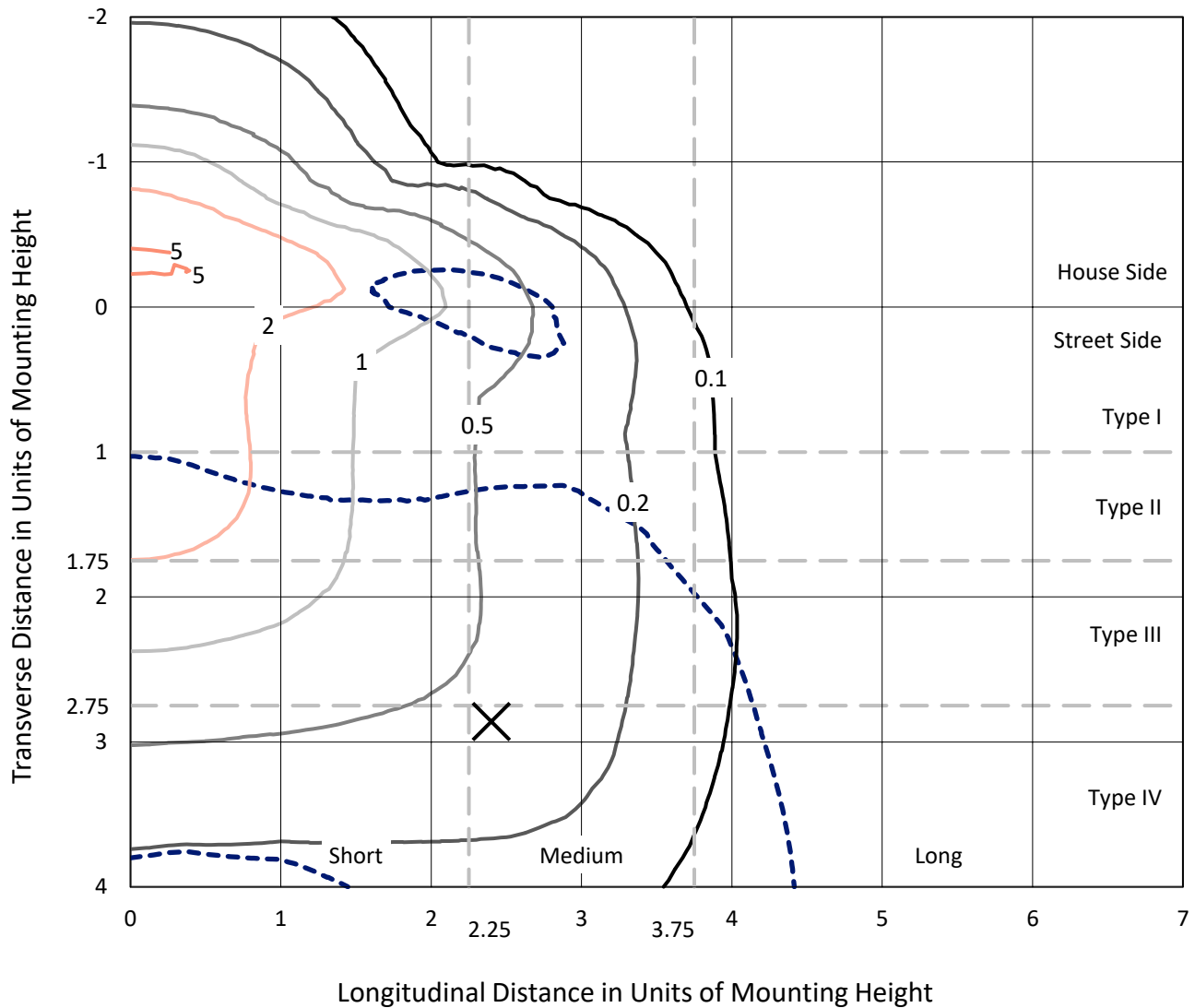


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

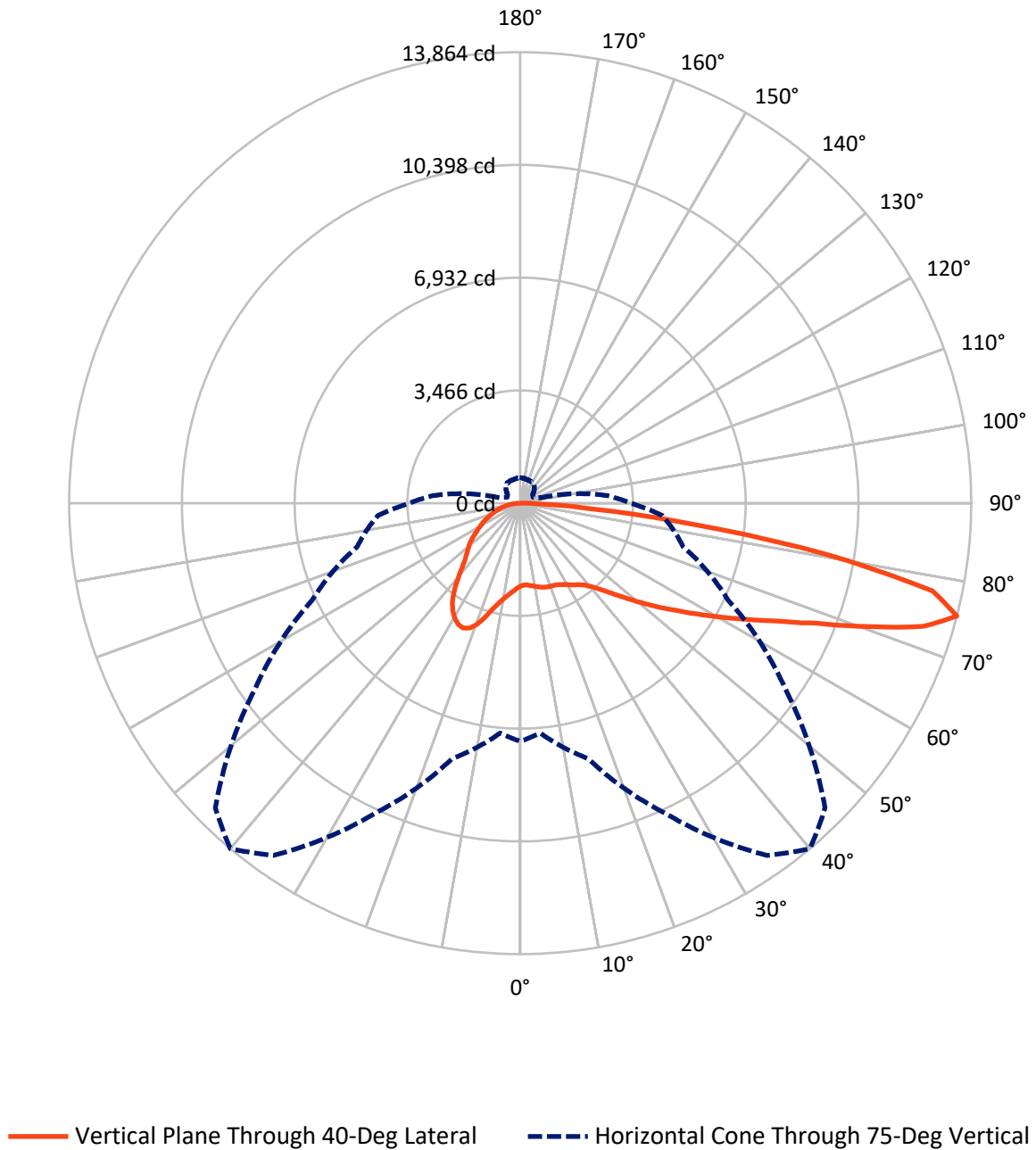


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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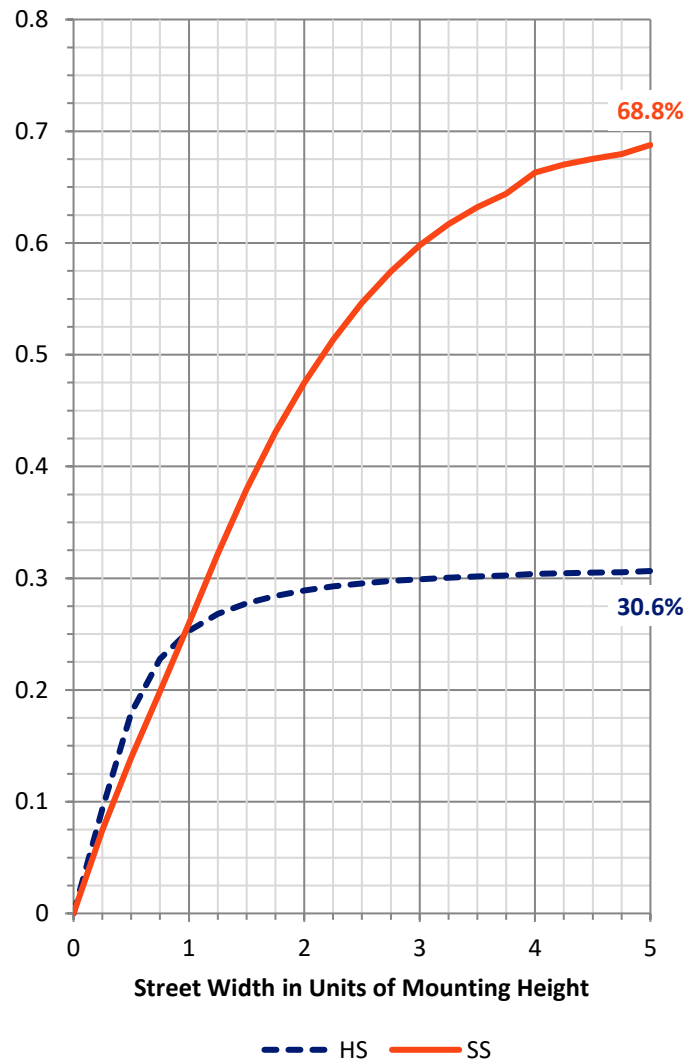
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6901.5	0.0	6901.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15373.5	0.0	15373.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	22275.0	0.0	22275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.3	1.1
10°-20°	853.7	3.8
20°-30°	1558.7	7.0
30°-40°	2210.7	9.9
40°-50°	2985.1	13.4
50°-60°	4015.7	18.0
60°-70°	5096.9	22.9
70°-80°	4625.7	20.8
80°-90°	674.3	3.0
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°-90°	22275.0	100.0
0°-180°	22275.0	100.0

Coefficient of Utilization



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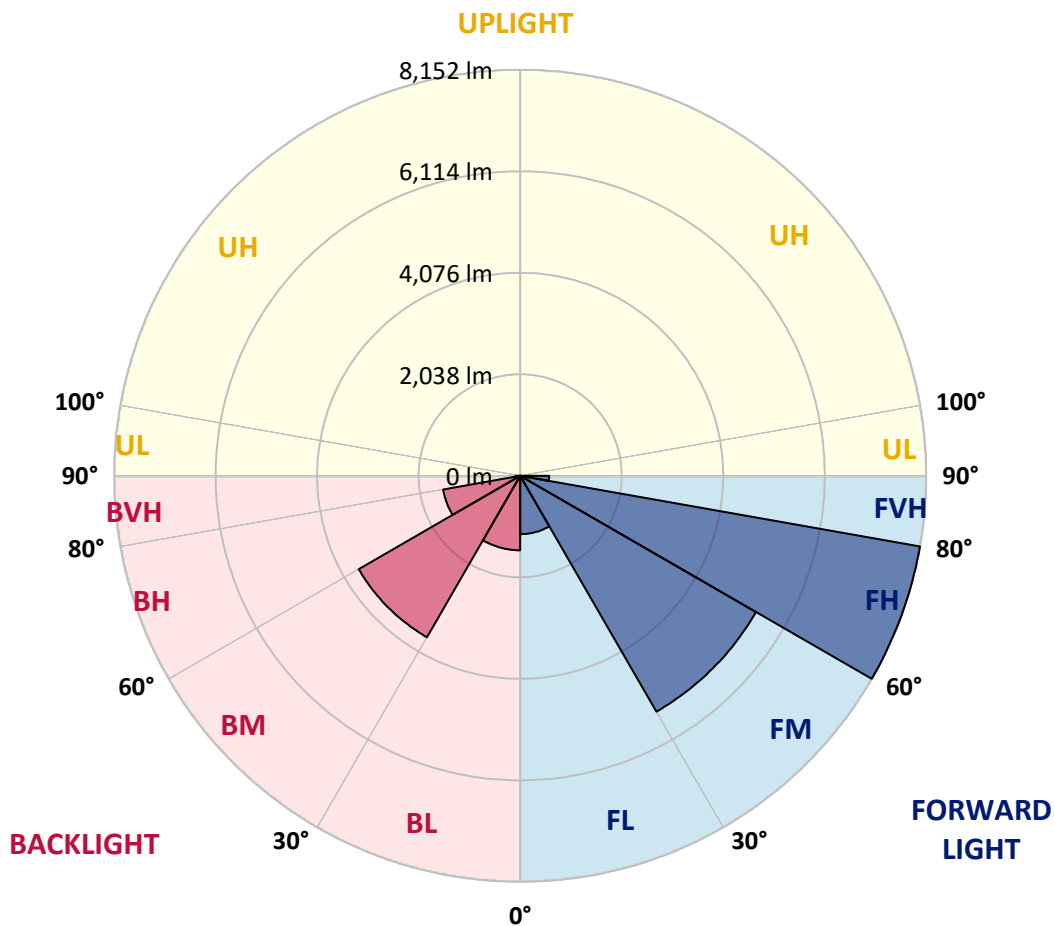
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1171.7	5.3			
FM	(30°-60°)	5468.0	24.5			
FH	(60°-80°)	8152.3	36.6			G4/12000
FVH	(80°-90°)	581.5	2.6			G4/750
BL	(0°-30°)	1494.9	6.7	B3/2500		
BM	(30°-60°)	3743.5	16.8	B3/5000		
BH	(60°-80°)	1570.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	92.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2
2.5°	2508.2	2522.4	2518.8	2514.1	2514.1	2515.3	2514.1	2522.4	2530.6	2538.9	2551.9
5°	2534.2	2548.4	2541.3	2535.4	2530.6	2529.5	2525.9	2524.7	2529.5	2540.1	2557.8
7.5°	2585.0	2599.2	2588.5	2577.9	2568.4	2563.7	2559.0	2551.9	2548.4	2554.3	2579.1
10°	2641.7	2655.9	2642.9	2624.0	2608.6	2602.7	2598.0	2590.9	2586.2	2589.7	2616.9
12.5°	2698.4	2712.6	2694.9	2668.9	2648.8	2645.2	2639.3	2637.0	2635.8	2634.6	2661.8
15°	2751.6	2763.4	2740.9	2710.2	2688.9	2683.0	2677.1	2680.7	2686.6	2693.7	2724.4
17.5°	2792.9	2804.7	2771.6	2731.5	2711.4	2709.0	2705.5	2717.3	2733.8	2751.6	2789.4
20°	2830.7	2842.5	2800.0	2745.7	2722.0	2722.0	2723.2	2748.0	2771.6	2797.6	2849.6
22.5°	2883.9	2893.3	2841.4	2766.9	2732.7	2735.0	2744.5	2769.3	2798.8	2834.3	2906.3
25°	2963.0	2970.1	2906.3	2807.1	2768.1	2775.2	2783.5	2795.3	2823.6	2865.0	2961.9
27.5°	3090.6	3096.5	3012.7	2878.0	2818.9	2830.7	2842.5	2834.3	2847.3	2882.7	3006.8
30°	3270.2	3273.8	3167.4	2989.0	2905.2	2911.1	2913.4	2879.2	2854.3	2882.7	3038.7
32.5°	3482.9	3481.7	3355.3	3123.7	3003.2	2997.3	2977.2	2909.9	2852.0	2876.8	3067.0
35°	3812.5	3799.5	3636.5	3312.7	3114.3	3077.6	3030.4	2944.1	2863.8	2870.9	3091.8
37.5°	4358.3	4318.1	4092.5	3622.3	3279.7	3186.3	3116.6	2999.7	2889.8	2868.5	3121.4
40°	4973.8	4923.0	4674.9	4046.4	3527.8	3377.7	3265.5	3078.8	2932.3	2879.2	3165.1
42.5°	5704.0	5631.9	5364.9	4546.2	3842.0	3624.6	3455.7	3179.2	2994.9	2913.4	3224.1
45°	6600.7	6505.0	6126.9	5109.7	4237.8	3948.4	3722.7	3331.6	3090.6	2979.6	3312.7
47.5°	7506.8	7530.5	6992.9	5754.8	4712.7	4347.7	4057.1	3560.8	3230.0	3085.9	3455.7
50°	8469.7	8486.3	7854.2	6469.5	5251.5	4799.0	4432.7	3817.2	3423.8	3237.1	3669.5
52.5°	9221.1	9223.5	8636.3	7217.4	5812.7	5295.2	4838.0	4110.2	3648.3	3438.0	3954.3
55°	9691.3	9685.4	9184.5	7925.1	6457.7	5816.2	5286.9	4443.4	3922.4	3674.3	4312.2
57.5°	10032.8	10015.0	9562.5	8533.5	7145.3	6431.7	5794.9	4821.4	4246.1	3955.4	4783.6
60°	10162.7	10152.1	9818.9	9059.3	7868.4	7112.2	6380.9	5244.4	4613.5	4287.4	5389.7
62.5°	10212.3	10232.4	10070.6	9568.4	8642.2	7866.0	7024.8	5750.0	5027.0	4663.1	6028.9
65°	10387.2	10423.8	10390.7	10234.8	9516.5	8748.5	7879.0	6351.4	5478.3	5066.0	6696.4
67.5°	10733.3	10770.0	10784.1	11032.2	10584.5	9848.5	8944.7	7100.4	6006.4	5484.2	7198.5
70°	10725.1	10714.4	10964.9	11666.7	11921.9	11371.3	10381.3	8022.0	6636.1	5831.6	7262.3
72.5°	9762.2	9677.1	10269.0	11659.6	13034.8	12961.5	12135.7	9210.5	7179.6	5874.1	6301.8
75°	7323.7	7096.9	8142.5	10507.7	13220.3	13864.2	13251.0	9947.7	7050.8	5190.0	4385.5
77.5°	3132.0	2904.0	4136.2	7778.6	11832.1	12960.4	12227.9	8678.8	5628.4	3432.1	2153.8
80°	819.9	818.7	1250.0	3526.6	8046.8	9570.8	8396.5	5604.7	3215.9	1226.3	594.3
82.5°	339.1	330.8	459.6	1371.6	3931.8	5370.8	4383.1	2499.9	1161.4	332.0	197.3
85°	126.4	125.2	223.3	473.8	1387.0	2215.2	1603.2	639.2	289.5	161.9	88.6
87.5°	35.4	34.3	48.4	164.2	337.9	512.7	274.1	105.1	81.5	63.8	26.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2	2547.2
2.5°	2555.4	2561.4	2572.0	2580.3	2590.9	2602.7	2619.2	2629.9	2640.5	2647.6	2642.9
5°	2566.1	2579.1	2606.2	2633.4	2665.3	2694.9	2729.1	2753.9	2774.0	2779.9	2782.3
7.5°	2589.7	2611.0	2657.0	2703.1	2753.9	2802.4	2852.0	2894.5	2928.8	2941.8	2943.0
10°	2631.1	2659.4	2724.4	2789.4	2856.7	2931.1	2994.9	3056.4	3104.8	3124.9	3126.1
12.5°	2683.0	2718.5	2803.5	2893.3	2986.7	3089.5	3172.2	3247.8	3308.0	3335.2	3335.2
15°	2750.4	2796.5	2905.2	3025.7	3162.7	3305.7	3410.8	3494.7	3562.0	3595.1	3592.7
17.5°	2823.6	2885.1	3022.1	3204.1	3400.2	3588.0	3710.9	3772.3	3842.0	3873.9	3872.7
20°	2894.5	2970.1	3166.2	3430.9	3692.0	3891.7	3990.9	4007.4	4012.2	4015.7	4025.2
22.5°	2967.8	3069.4	3347.0	3716.8	3996.8	4135.0	4149.2	4078.3	3979.1	3933.0	3946.0
25°	3048.1	3182.8	3583.3	4032.2	4259.1	4275.6	4166.9	3994.4	3806.6	3720.3	3733.3
27.5°	3126.1	3313.9	3866.8	4333.5	4448.1	4302.8	4068.9	3824.3	3597.5	3506.5	3517.1
30°	3204.1	3464.0	4179.9	4597.0	4534.4	4235.4	3914.1	3641.2	3413.2	3317.5	3328.1
32.5°	3283.2	3638.8	4540.3	4787.2	4519.0	4092.5	3721.5	3435.6	3234.8	3134.3	3147.3
35°	3373.0	3853.8	4881.7	4891.1	4416.2	3882.2	3467.5	3189.9	3015.0	2934.7	2952.4
37.5°	3490.0	4126.8	5183.0	4917.1	4236.6	3573.8	3152.1	2899.2	2755.1	2718.5	2744.5
40°	3635.3	4455.2	5413.3	4875.8	3970.8	3199.3	2807.1	2605.1	2523.5	2531.8	2560.2
42.5°	3824.3	4822.6	5575.2	4769.5	3601.0	2813.0	2504.6	2414.9	2453.8	2486.9	2517.6
45°	4070.0	5204.2	5675.6	4588.7	3182.8	2485.7	2326.2	2347.5	2377.0	2380.6	2404.2
47.5°	4384.3	5590.6	5741.8	4315.8	2756.3	2255.4	2212.8	2217.6	2211.6	2186.8	2205.7
50°	4776.5	5966.3	5800.9	3954.3	2393.6	2111.2	2054.5	2038.0	1956.5	1876.1	1886.8
52.5°	5223.1	6311.2	5825.7	3505.3	2111.2	1990.7	1898.6	1794.6	1642.2	1617.4	1625.7
55°	5719.3	6630.2	5761.9	2953.6	1873.8	1836.0	1696.5	1571.3	1554.8	1533.5	1537.0
57.5°	6312.4	6974.0	5631.9	2338.1	1630.4	1655.2	1519.3	1533.5	1504.0	1470.9	1465.0
60°	6961.0	7329.6	5403.9	1776.9	1378.7	1429.5	1473.3	1472.1	1463.8	1436.6	1427.2
62.5°	7544.7	7563.6	4954.9	1361.0	1157.8	1254.7	1374.0	1372.8	1365.7	1350.4	1344.5
65°	7892.0	7528.1	4205.9	1071.6	975.9	1110.5	1239.3	1248.8	1250.0	1248.8	1248.8
67.5°	7830.6	7113.4	3178.1	853.0	825.8	964.1	1105.8	1118.8	1128.3	1130.6	1133.0
70°	7135.9	6202.5	2072.2	680.5	692.3	835.3	979.4	992.4	1000.7	1010.1	1014.9
72.5°	5562.2	4560.3	1186.2	550.5	575.4	724.2	854.2	869.5	874.3	892.0	899.1
75°	3389.5	2681.9	640.3	433.6	472.6	619.1	730.1	747.8	756.1	777.4	779.7
77.5°	1611.5	1161.4	365.1	337.9	380.4	505.7	616.7	636.8	614.3	626.2	616.7
80°	544.6	431.2	230.4	257.6	290.6	394.6	493.8	513.9	466.7	464.3	459.6
82.5°	190.2	174.9	146.5	171.3	187.8	282.4	373.3	399.3	347.3	346.2	329.6
85°	74.4	70.9	81.5	93.3	112.2	173.7	245.7	258.7	213.8	172.5	170.1
87.5°	15.4	16.5	20.1	21.3	34.3	60.3	88.6	108.7	86.2	73.2	67.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)