

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: P648655

Luminaire Tested: **GALN-SA9B-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648655  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9B-835-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30081.3 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

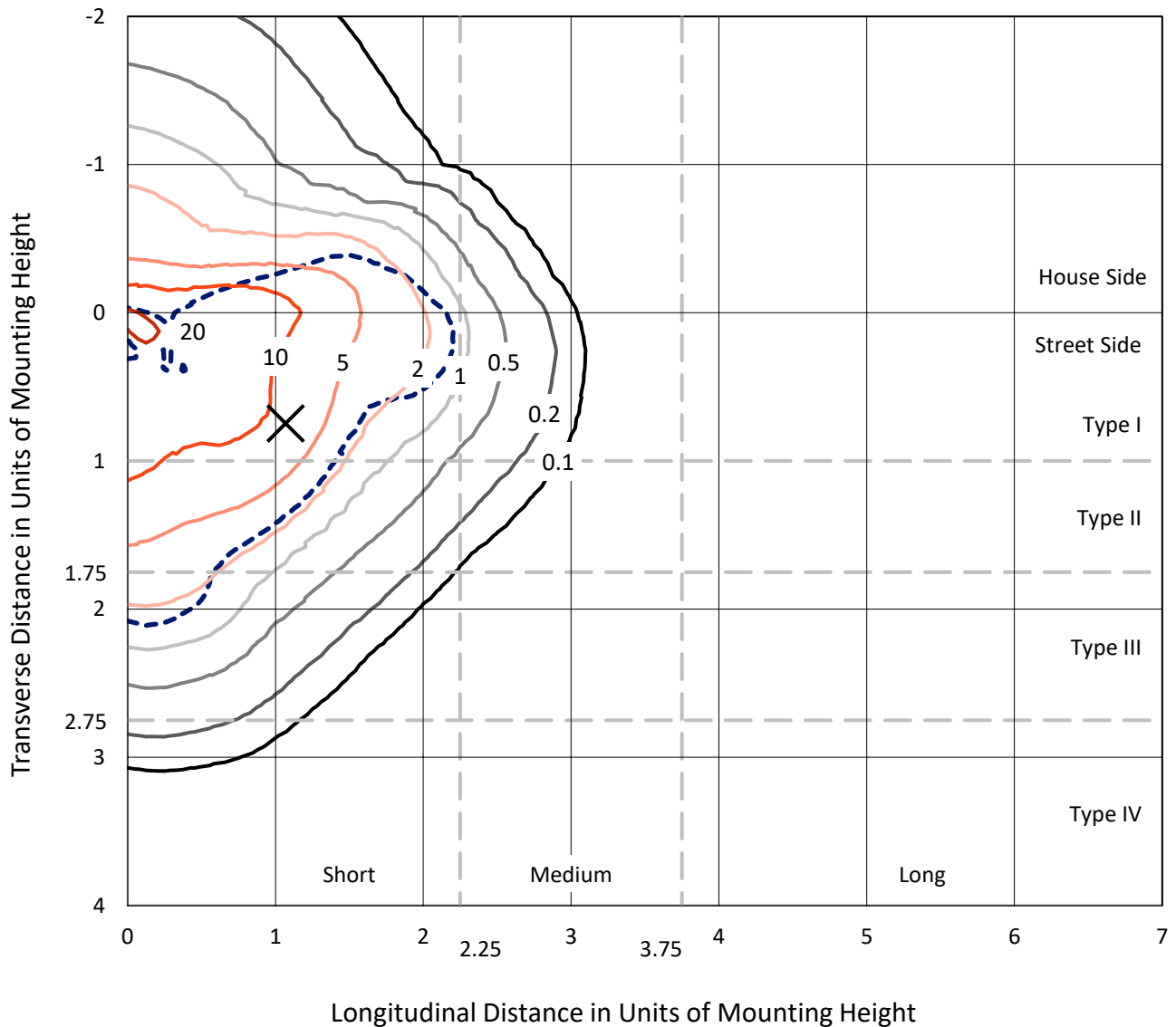
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

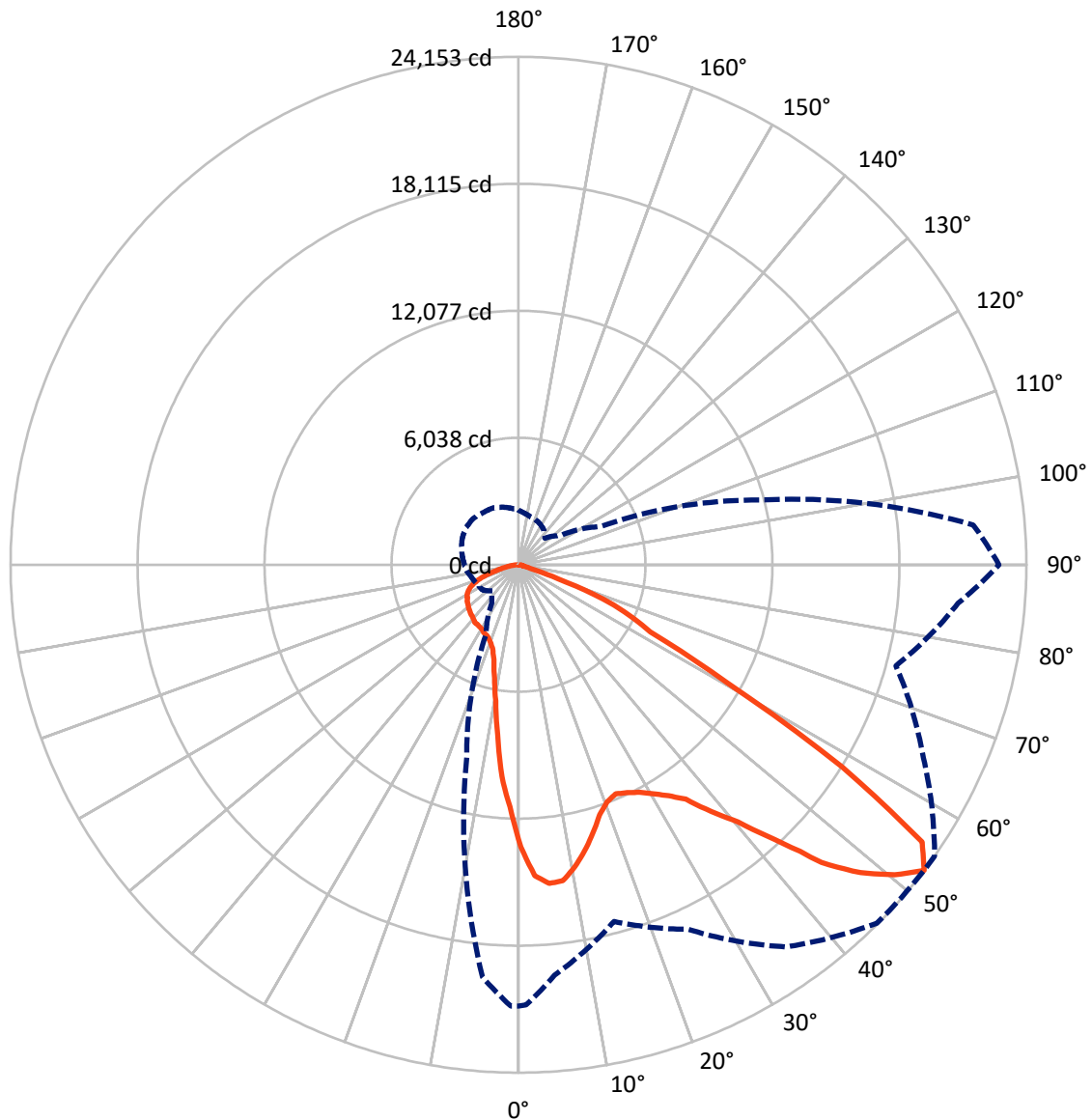
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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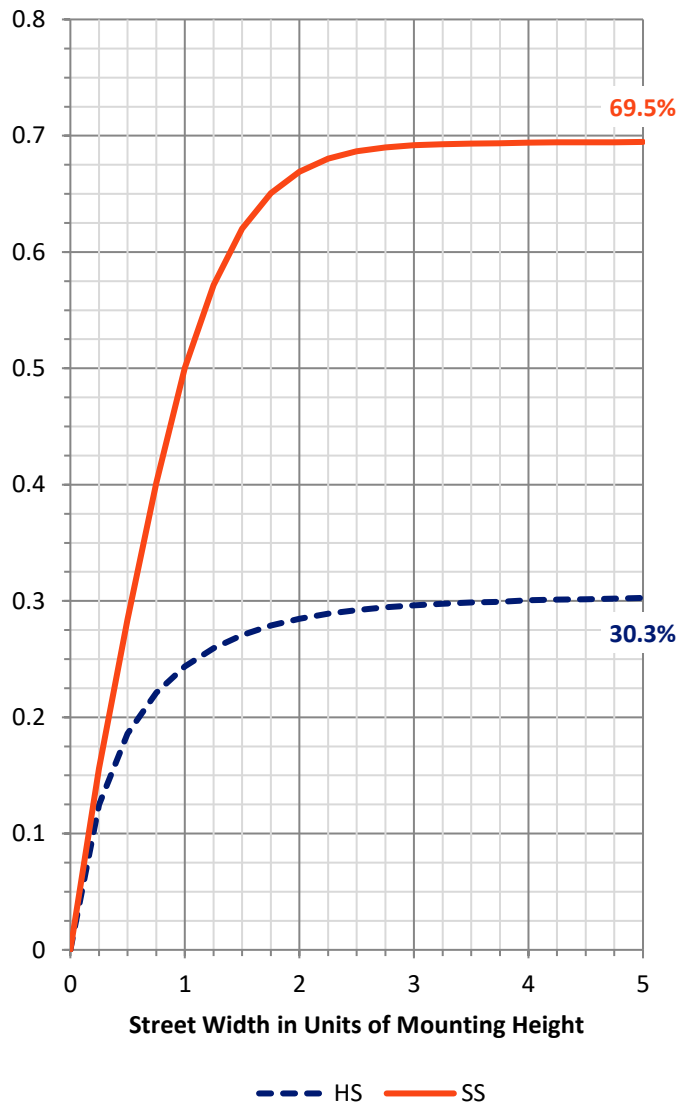
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9176.4	0.0	9176.4
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	20904.9	0.0	20904.9
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	30081.3	0.0	30081.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1025.2	3.4
10°-20°	2210.4	7.3
20°-30°	3351.6	11.1
30°-40°	4842.6	16.1
40°-50°	6471.0	21.5
50°-60°	7223.1	24.0
60°-70°	3962.2	13.2
70°-80°	856.6	2.8
80°-90°	138.6	0.5
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°	30081.3	100.0
0°-180°	30081.3	100.0

**Coefficient of Utilization**



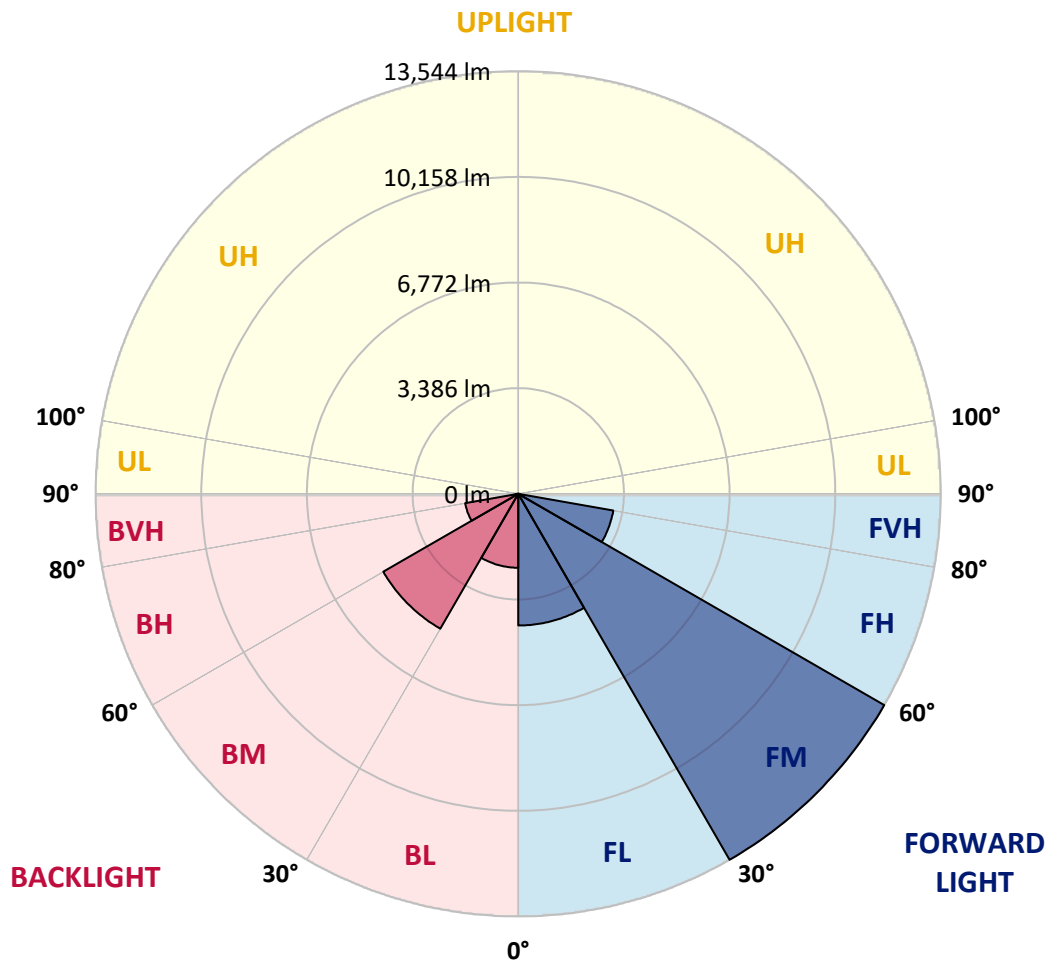
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4217.9	14.0			
FM (30°-60°)	13544.0	45.0			
FH (60°-80°)	3091.6	10.3			G2/5000
FVH (80°-90°)	51.3	0.2			G1/100
BL (0°-30°)	2369.2	7.9	B3/2500		
BM (30°-60°)	4992.7	16.6	B3/5000		
BH (60°-80°)	1727.2	5.7	B3/2500		G3/2500
BVH (80°-90°)	87.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6
2.5°	14081.9	14002.8	14073.0	14406.9	14600.1	14731.9	14815.4	14802.1	14485.9	14178.5	14178.5
5°	13668.9	13567.9	13712.8	14468.4	15228.3	15294.1	15403.9	15223.9	14758.2	14196.0	13493.3
7.5°	12474.2	12548.9	12790.5	13783.1	14771.5	15267.8	15399.5	15171.1	14415.7	13365.9	12333.7
10°	11442.1	11617.8	12175.6	13247.3	14156.5	14802.1	14947.1	14626.4	14029.1	12742.2	11819.8
12.5°	11086.3	10976.4	11595.8	12667.5	13537.2	13884.2	13950.1	13972.0	13567.9	12425.9	11301.5
15°	11042.3	11112.6	11595.8	12408.4	12944.2	12961.8	13071.6	13242.9	13295.6	12641.1	11543.1
17.5°	11674.8	11591.4	12087.7	12733.4	12478.6	12223.9	12250.2	12496.2	12931.0	12825.6	12303.0
20°	12610.4	12799.2	13190.2	13124.3	12439.1	11793.4	11797.8	12030.6	12887.1	13589.9	13361.5
22.5°	14165.3	14349.7	14639.7	13844.6	12439.1	11666.1	11516.7	11832.9	13168.3	14499.1	14556.2
25°	15584.0	15922.2	16001.3	15065.7	13062.8	11784.6	11688.0	11999.9	13449.4	15386.3	15926.6
27.5°	16875.4	16998.3	17345.3	15851.9	13409.8	11863.7	11854.9	12254.6	13805.1	15830.0	17152.1
30°	17894.4	17881.2	18078.8	16348.3	13963.2	12307.4	11881.2	12636.8	14270.7	16563.5	18285.3
32.5°	18588.3	18737.7	19155.0	17037.8	14196.0	12729.0	12395.2	13084.8	14837.3	16910.5	19084.7
35°	19809.4	20068.6	19541.5	17420.0	14933.9	13146.3	12755.3	13695.3	15118.4	17288.2	20064.2
37.5°	20960.2	20762.6	20226.7	17626.4	15412.7	13919.3	13554.7	14876.8	15992.5	18109.6	20714.3
40°	21698.1	21693.7	20740.6	17793.4	15750.9	15100.9	15078.9	16075.9	17064.2	18627.9	21443.4
42.5°	22018.7	22326.2	20951.4	17775.7	16462.5	16532.7	16976.4	17868.0	17824.1	18733.3	21425.8
44°	22458.0	22642.5	21316.0	17815.3	16936.8	17499.0	18544.4	19111.1	18487.3	18676.2	21403.9
45°	22440.5	22453.6	20797.7	17868.0	17340.9	18307.2	19242.9	20200.4	19071.5	18553.2	21693.7
47.5°	21926.5	21777.2	20358.5	17477.1	18601.6	20441.9	21307.2	21887.0	19791.9	18289.7	21333.5
50°	20911.9	20740.6	19291.2	17310.2	18865.1	21768.4	22963.1	23174.0	20446.3	18030.5	20977.8
52.5°	20982.2	20933.9	19594.2	17560.6	19128.6	22185.7	24100.7	24153.4	21188.6	18575.2	20982.2
55°	22238.4	22071.5	20463.9	17872.4	18935.4	21698.1	23376.0	23283.8	20938.3	18245.8	21368.7
57.5°	20349.7	20459.5	19260.4	16638.2	16572.3	17639.6	18377.6	18149.2	17472.7	16466.9	19879.7
60°	16418.6	16730.4	16844.6	13914.9	12505.0	11955.9	11736.3	11332.2	11446.4	13528.4	17464.0
62.5°	14081.9	14064.2	14780.2	12614.8	8191.7	7045.3	6939.9	7032.1	8349.8	13317.6	17103.8
65°	11165.3	11464.0	11683.6	10690.9	6483.1	5231.3	5226.9	5811.0	7225.4	11130.2	13809.5
67.5°	7089.2	7480.2	7752.5	6838.9	4335.2	3724.7	3623.6	4326.5	5007.3	7300.1	8314.7
70°	3997.1	4181.5	4304.5	3944.3	2758.4	1932.6	1818.4	1985.3	3026.3	4726.2	4928.2
72.5°	1541.7	1625.2	1792.1	1805.3	1041.0	623.7	505.1	606.1	1273.8	1871.1	1783.3
75°	237.2	254.8	360.2	430.4	298.7	228.4	241.6	250.3	355.8	483.2	404.1
77.5°	114.2	114.2	109.8	127.4	149.3	162.6	175.7	193.2	210.9	232.8	224.0
80°	74.7	74.7	74.7	87.9	109.8	131.8	149.3	158.1	166.9	184.5	175.7
82.5°	48.3	48.3	48.3	65.9	87.9	109.8	118.6	140.5	158.1	184.5	171.3
85°	26.4	26.4	26.4	43.9	65.9	92.2	87.9	70.3	39.5	4.4	8.8
87.5°	8.8	8.8	8.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6
2.5°	13809.5	13607.4	13589.9	13177.0	12808.1	12628.0	12483.0	12078.9	12166.8	11933.9	11929.6
5°	13141.9	12729.0	12061.3	11512.3	10963.3	10853.5	10374.7	9957.4	9970.6	9671.9	9724.6
7.5°	11942.8	11657.2	10844.7	9983.8	9254.7	8736.3	8283.9	8011.7	7664.6	7546.0	7484.5
10°	11182.9	10831.5	9917.9	8837.4	8020.4	7743.7	7308.8	7067.3	6711.5	6535.8	6412.8
12.5°	10849.1	10335.1	9193.1	8095.0	7550.4	7264.9	6896.0	6456.7	6035.1	5872.6	5648.6
15°	10884.2	10269.3	8982.3	7796.4	7141.9	6588.5	6259.1	5771.5	5341.1	5055.6	4893.0
17.5°	11415.7	10669.0	9079.0	7568.0	6628.0	5934.0	5288.4	4761.3	4418.7	4203.5	4150.8
20°	12671.9	11657.2	9241.4	7199.1	6114.1	5248.8	4453.9	3904.8	3641.3	3636.9	3641.3
22.5°	13717.3	12711.5	9570.9	6979.4	5600.3	4370.4	3579.7	3404.1	3351.3	3461.2	3474.3
25°	15127.2	13897.3	10137.5	6865.2	5125.8	3724.7	3237.2	3171.2	3166.8	3307.4	3311.9
27.5°	16572.3	14933.9	10475.8	6531.4	4642.7	3390.9	3030.7	3017.5	3087.8	3237.2	3224.0
30°	17556.2	15803.6	11086.3	6131.7	4071.7	3096.6	2947.3	2964.8	3061.5	3175.7	3193.2
32.5°	18702.6	16660.1	11244.3	5912.1	3720.3	2850.6	2745.2	2784.7	2907.7	3087.8	3184.5
35°	20015.9	17266.2	11486.0	5613.4	3588.6	2661.7	2609.0	2653.0	2802.3	2920.9	3026.3
37.5°	20986.6	18338.0	11529.9	5380.6	3443.6	2556.3	2472.9	2617.8	2705.7	2872.6	2925.3
40°	21707.0	19115.5	11644.1	5235.7	3329.4	2420.2	2420.2	2516.8	2635.4	2789.1	2894.5
42.5°	22168.1	19682.0	11727.5	5103.9	3109.8	2380.6	2358.7	2455.3	2613.4	2762.8	2811.1
44°	22449.2	19923.7	11644.1	4980.9	3048.3	2332.3	2332.3	2415.8	2538.8	2714.4	2771.6
45°	22519.5	20226.7	11459.6	4976.5	2973.6	2275.2	2266.5	2424.6	2508.0	2723.3	2758.4
47.5°	22791.8	20600.0	11481.6	4836.0	2793.5	2139.1	2292.8	2363.1	2437.7	2626.7	2745.2
50°	22783.0	20832.8	11433.2	4629.5	2661.7	1985.3	2240.1	2319.2	2393.8	2587.1	2635.4
52.5°	22844.6	21702.5	11876.9	4300.1	2424.6	1787.7	2064.4	2240.1	2332.3	2494.9	2595.9
55°	22813.8	22198.8	12316.1	4054.1	2090.8	1669.1	1915.1	2121.5	2253.2	2424.6	2472.9
57.5°	20837.3	19620.6	11398.1	3593.0	1730.6	1528.5	1704.2	1998.5	2165.4	2341.1	2402.6
60°	17024.7	15122.8	9399.6	2644.2	1423.1	1405.6	1585.7	1959.0	2029.2	2183.0	2288.4
62.5°	15733.4	13264.9	7453.8	2020.5	1216.7	1286.9	1462.6	1770.1	1879.9	2068.8	2165.4
65°	12311.7	8811.0	4616.3	1366.0	1071.7	1155.2	1322.1	1550.5	1730.6	1906.3	2020.5
67.5°	7291.3	4814.0	2284.0	957.5	935.5	1023.4	1194.7	1366.0	1572.4	1765.7	1822.8
70°	3970.7	2367.5	975.1	729.1	795.0	874.1	1041.0	1159.5	1357.3	1506.6	1603.2
72.5°	1273.8	720.4	487.6	540.3	606.1	698.4	799.4	944.4	1084.9	1172.8	1251.8
75°	307.5	303.1	347.0	377.7	439.3	509.5	593.0	667.7	777.4	860.9	931.1
77.5°	215.2	232.8	267.9	311.9	333.8	360.2	412.9	470.0	518.3	579.8	623.7
80°	166.9	180.1	206.5	228.4	250.3	272.3	298.7	320.6	351.4	391.0	412.9
82.5°	158.1	166.9	193.2	206.5	197.6	193.2	210.9	219.6	224.0	237.2	250.3
85°	13.2	0.0	8.8	30.8	74.7	109.8	118.6	118.6	114.2	123.0	123.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	17.5	13.2
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6
2.5°	11876.9	11727.5	11784.6	11854.9	11753.9	11521.1	11582.6	11556.2	11793.4	11775.9	12013.0
5°	9957.4	9724.6	9751.0	10093.6	9983.8	10102.3	9865.2	9834.4	9878.3	9900.3	9939.9
7.5°	7620.7	7589.9	7853.5	8143.4	8279.5	8139.0	7906.2	7853.5	7805.2	7708.6	7928.2
10°	6219.5	6228.3	6210.8	6430.4	6584.1	6553.4	6412.8	6395.2	6303.0	6267.8	6390.8
12.5°	5551.9	5433.3	5376.2	5305.9	5424.5	5503.6	5442.1	5398.2	5402.5	5446.5	5464.1
15°	4906.2	4831.6	4708.6	4629.5	4686.6	4647.1	4625.1	4713.0	4691.0	4682.3	4787.7
17.5°	4181.5	4243.0	4234.2	4146.4	4221.0	4190.3	4185.9	4124.4	4041.0	3979.4	4014.6
20°	3702.7	3817.0	3904.8	3909.2	3948.7	3944.3	3878.4	3689.6	3628.0	3614.9	3623.6
22.5°	3531.4	3593.0	3698.3	3847.7	3847.7	3777.4	3698.3	3478.7	3421.6	3360.2	3333.8
25°	3395.2	3513.9	3650.0	3667.6	3737.9	3672.0	3544.6	3434.8	3316.2	3232.8	3232.8
27.5°	3325.0	3456.8	3557.8	3588.6	3685.2	3632.5	3500.7	3360.2	3219.6	3215.2	3140.5
30°	3294.2	3417.2	3483.1	3557.8	3601.7	3518.3	3478.7	3329.4	3188.8	3153.7	3030.7
32.5°	3202.0	3377.7	3500.7	3483.1	3518.3	3483.1	3426.0	3303.0	3144.9	3065.8	3052.7
35°	3096.6	3272.3	3404.1	3496.3	3518.3	3443.6	3408.5	3241.5	3026.3	2986.8	2850.6
37.5°	3039.5	3144.9	3307.4	3456.8	3487.5	3448.0	3329.4	3158.1	2942.8	2899.0	2780.4
40°	2969.2	3105.4	3232.8	3355.8	3448.0	3351.3	3215.2	3048.3	2951.7	2819.9	2784.7
42.5°	2916.5	3070.2	3175.7	3311.9	3417.2	3289.9	3131.8	3017.5	2881.4	2793.5	2692.5
44°	2899.0	3039.5	3109.8	3276.7	3364.6	3267.9	3136.1	3017.5	2859.4	2780.4	2692.5
45°	2837.4	3030.7	3105.4	3254.7	3329.4	3250.3	3083.5	2964.8	2850.6	2754.0	2661.7
47.5°	2776.0	2907.7	3035.1	3153.7	3206.4	3180.1	3039.5	2894.5	2758.4	2701.3	2613.4
50°	2758.4	2890.1	3008.8	3118.5	3180.1	3127.4	3000.0	2859.4	2701.3	2609.0	2534.4
52.5°	2670.6	2833.1	2964.8	3000.0	3079.0	3048.3	2951.7	2797.9	2648.6	2569.5	2508.0
55°	2543.2	2714.4	2894.5	2938.4	3052.7	3004.4	2859.4	2714.4	2587.1	2468.5	2389.4
57.5°	2494.9	2661.7	2837.4	2894.5	2964.8	2885.7	2850.6	2696.9	2494.9	2433.3	2310.4
60°	2371.9	2582.7	2727.7	2859.4	2863.8	2841.8	2780.4	2604.6	2437.7	2323.6	2235.7
62.5°	2275.2	2472.9	2587.1	2710.0	2784.7	2723.3	2661.7	2499.3	2319.2	2191.8	2090.8
65°	2134.7	2314.8	2411.4	2486.0	2569.5	2560.7	2455.3	2336.7	2147.8	2046.8	1950.2
67.5°	1919.4	2077.6	2209.3	2279.6	2332.3	2319.2	2240.1	2156.6	1963.4	1862.4	1792.1
70°	1660.3	1822.8	1906.3	1945.8	1998.5	2024.8	1963.4	1923.8	1752.5	1620.8	1554.9
72.5°	1335.2	1440.7	1563.7	1598.8	1620.8	1638.3	1638.3	1603.2	1427.5	1374.8	1260.6
75°	983.9	1067.3	1159.5	1159.5	1199.1	1203.5	1212.3	1190.3	1058.5	988.3	961.9
77.5°	667.7	729.1	803.8	834.5	860.9	856.5	852.1	790.6	720.4	689.6	663.3
80°	434.9	496.3	531.5	571.0	597.4	593.0	601.7	557.8	527.1	474.3	483.2
82.5°	259.2	307.5	342.6	391.0	391.0	404.1	404.1	391.0	360.2	333.8	333.8
85°	123.0	162.6	184.5	215.2	232.8	237.2	210.9	180.1	149.3	136.2	149.3
87.5°	21.9	30.8	43.9	39.5	48.3	43.9	43.9	43.9	43.9	35.2	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P648655

CATALOG NUMBER: GALN-SA9B-835-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6	13418.6
2.5°	11925.2	12144.8	12298.5	12553.3	12992.6	13343.9	13704.1	13972.0	14002.8	14081.9
5°	10084.8	10203.4	10594.3	11103.8	11464.0	12056.9	12439.1	13133.1	13392.2	13668.9
7.5°	7875.5	8068.7	8591.4	8934.0	9724.6	10466.9	11235.6	12092.1	12434.7	12474.2
10°	6641.2	6922.3	7278.1	7827.1	8257.6	9083.3	10040.9	10994.0	11376.1	11442.1
12.5°	5833.0	6193.2	6667.6	7062.9	7475.8	8196.1	9114.1	10291.2	10787.5	11086.3
15°	5055.6	5428.9	5951.6	6500.6	6865.2	7726.1	8806.6	10133.1	10778.8	11042.3
17.5°	4256.2	4603.2	5033.6	5626.6	6360.1	7326.5	8758.3	10660.2	11367.4	11674.8
20°	3570.9	3764.2	4264.9	4875.5	5793.5	6918.0	8775.9	11437.7	12474.2	12610.4
22.5°	3303.0	3346.9	3544.6	4106.8	5112.7	6500.6	9087.7	12540.1	13717.3	14165.3
25°	3096.6	3087.8	3140.5	3518.3	4616.3	6338.2	9395.2	13554.7	15096.5	15584.0
27.5°	2982.4	2894.5	2899.0	3254.7	4264.9	6074.6	9790.6	14718.7	16660.1	16875.4
30°	2925.3	2907.7	2855.1	3000.0	3882.8	5679.3	9856.4	15865.1	17582.5	17894.4
32.5°	2890.1	2718.9	2653.0	2705.7	3522.6	5248.8	10102.3	16620.6	18724.5	18588.3
35°	2714.4	2560.7	2516.8	2569.5	3267.9	5007.3	9939.9	17279.5	19581.0	19809.4
37.5°	2648.6	2512.4	2424.6	2380.6	3030.7	4805.2	9856.4	18294.1	20411.2	20960.2
40°	2587.1	2442.2	2336.7	2292.8	2846.2	4537.3	9830.0	19075.9	21368.7	21698.1
42.5°	2516.8	2424.6	2306.0	2226.9	2622.2	4269.4	9527.0	19317.5	21663.0	22018.7
44°	2494.9	2354.3	2231.3	2204.9	2534.4	4133.2	9465.5	19537.1	21917.7	22458.0
45°	2472.9	2341.1	2200.5	2165.4	2503.6	4058.5	9382.1	19589.8	22339.4	22440.5
47.5°	2411.4	2327.9	2191.8	2095.2	2437.7	3896.0	9131.7	19291.2	21909.0	21926.5
50°	2363.1	2266.5	2125.9	1937.0	2349.9	3759.8	9245.9	19181.3	20872.4	20911.9
52.5°	2310.4	2165.4	2086.4	1761.4	2204.9	3645.6	9487.5	19677.7	20991.0	20982.2
55°	2248.9	2090.8	1897.5	1612.0	1963.4	3500.7	10071.7	20657.2	22089.1	22238.4
57.5°	2152.2	2016.1	1739.4	1480.2	1686.7	3224.0	9882.8	18781.7	20323.3	20349.7
60°	2024.8	1897.5	1576.9	1379.2	1383.6	2543.2	8837.4	14635.3	16036.4	16418.6
62.5°	1901.9	1831.6	1440.7	1234.2	1177.2	2024.8	7471.4	12162.3	13765.6	14081.9
65°	1756.9	1585.7	1322.1	1124.5	1010.2	1418.7	5292.8	9087.7	10739.2	11165.3
67.5°	1572.4	1387.9	1164.0	988.3	865.3	948.8	2732.0	5165.4	6838.9	7089.2
70°	1374.8	1203.5	979.5	834.5	698.4	654.4	1203.5	2464.1	3737.9	3997.1
72.5°	1128.9	970.7	781.8	658.8	522.7	452.4	404.1	658.8	1326.5	1541.7
75°	817.0	707.1	588.6	470.0	368.9	289.9	237.2	197.6	219.6	237.2
77.5°	601.7	513.9	434.9	333.8	259.2	206.5	162.6	123.0	118.6	114.2
80°	470.0	417.3	347.0	267.9	202.0	153.7	114.2	83.5	74.7	74.7
82.5°	368.9	342.6	285.5	219.6	166.9	123.0	83.5	57.1	48.3	48.3
85°	140.5	140.5	206.5	180.1	127.4	87.9	57.1	30.8	26.4	26.4
87.5°	35.2	35.2	35.2	35.2	30.8	26.4	26.4	13.2	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)