

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: P647115

Luminaire Tested: **GALN-SA8C-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647115  
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-SA8C-835-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 1050mA 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: 33105.2 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

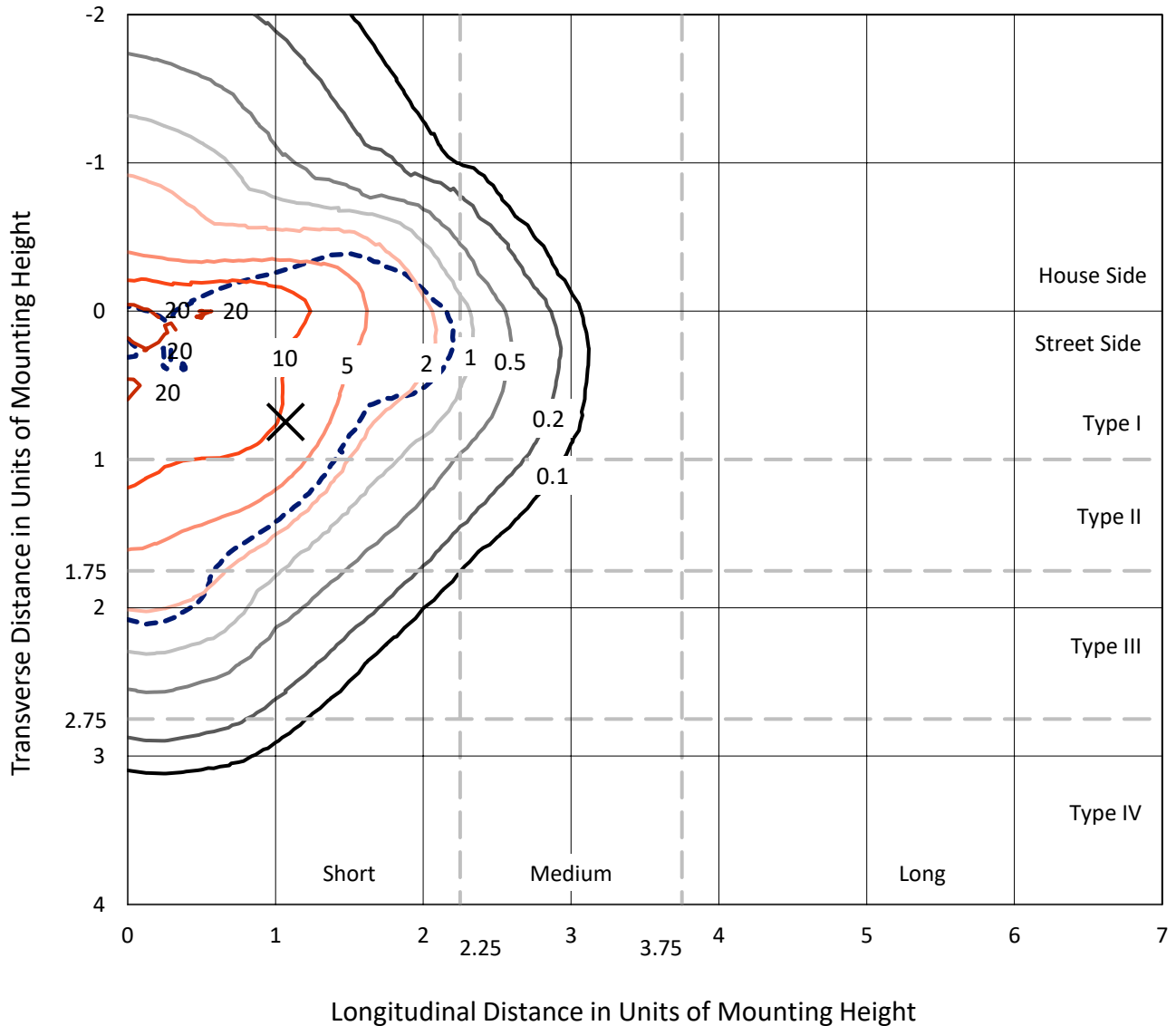
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

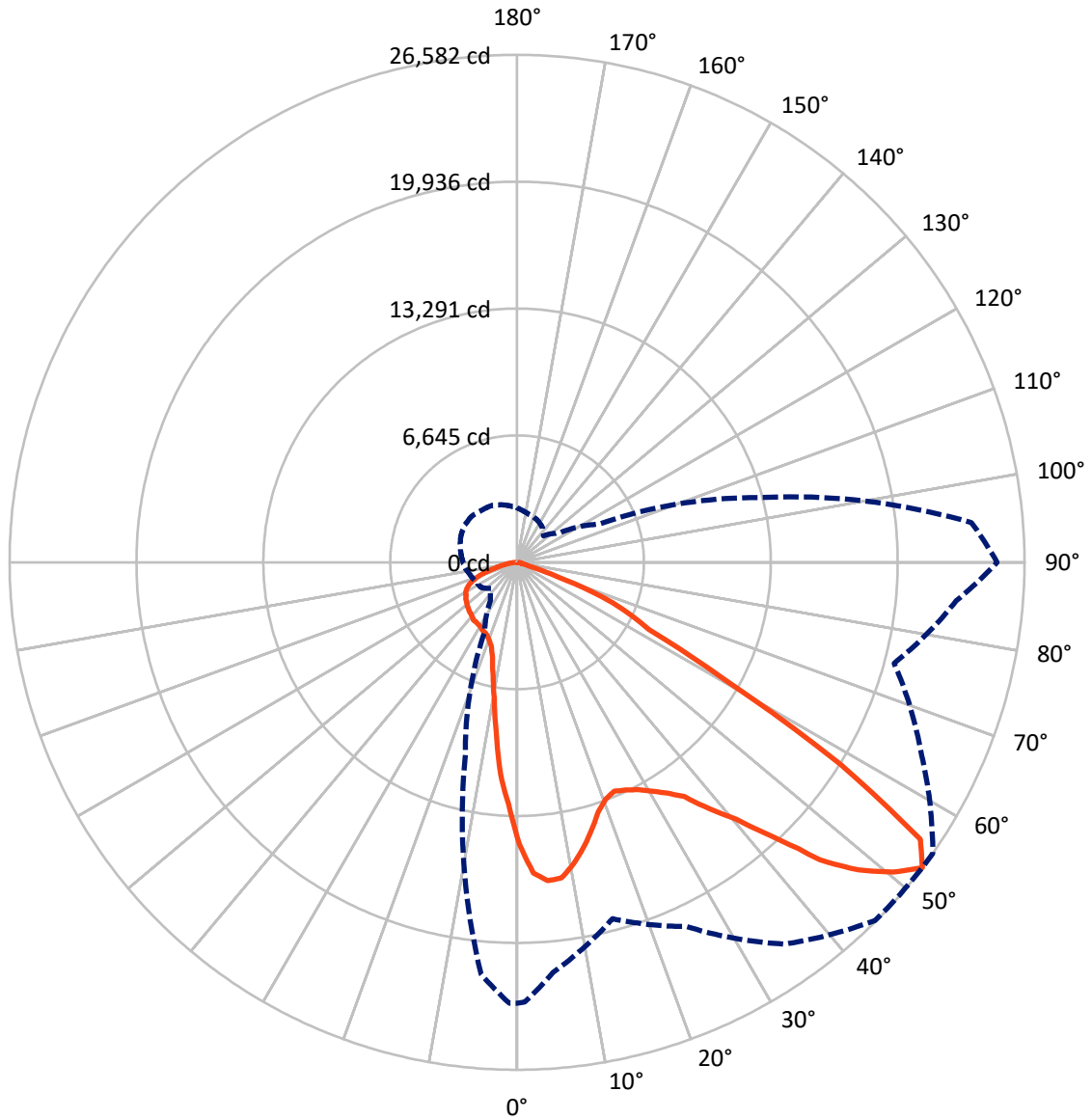
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 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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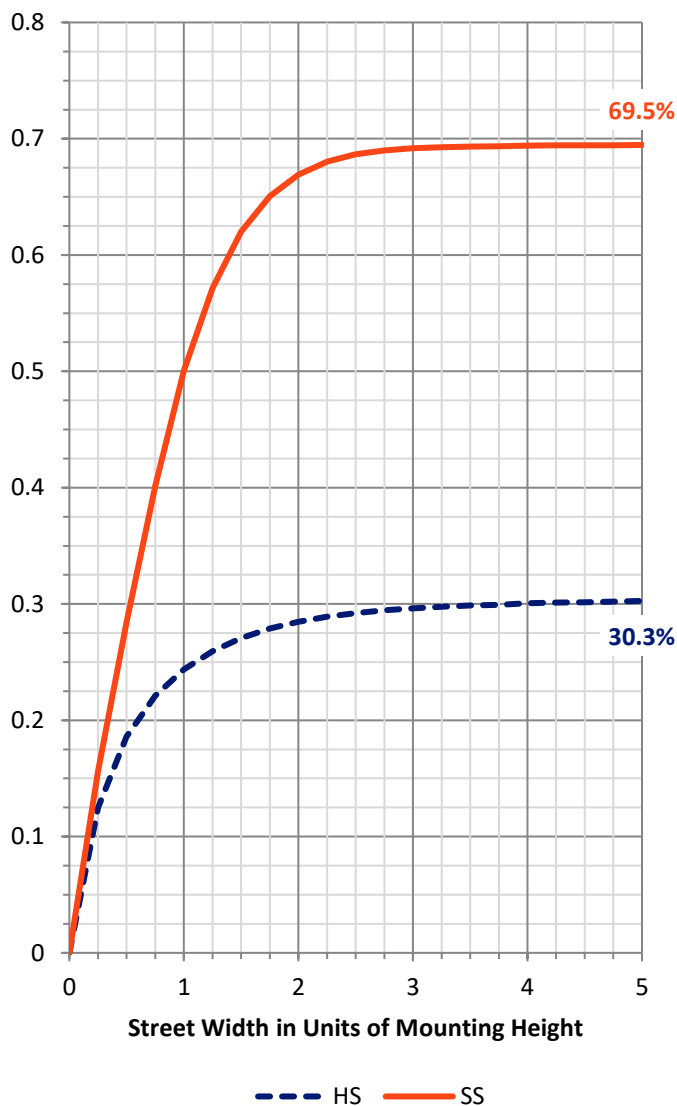
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10098.9	0.0	10098.9
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	23006.3	0.0	23006.3
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	33105.2	0.0	33105.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1128.2	3.4
10°-20°	2432.6	7.3
20°-30°	3688.6	11.1
30°-40°	5329.4	16.1
40°-50°	7121.5	21.5
50°-60°	7949.2	24.0
60°-70°	4360.5	13.2
70°-80°	942.7	2.8
80°-90°	152.5	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°	33105.2	100.0
0°-180°	33105.2	100.0

**Coefficient of Utilization**

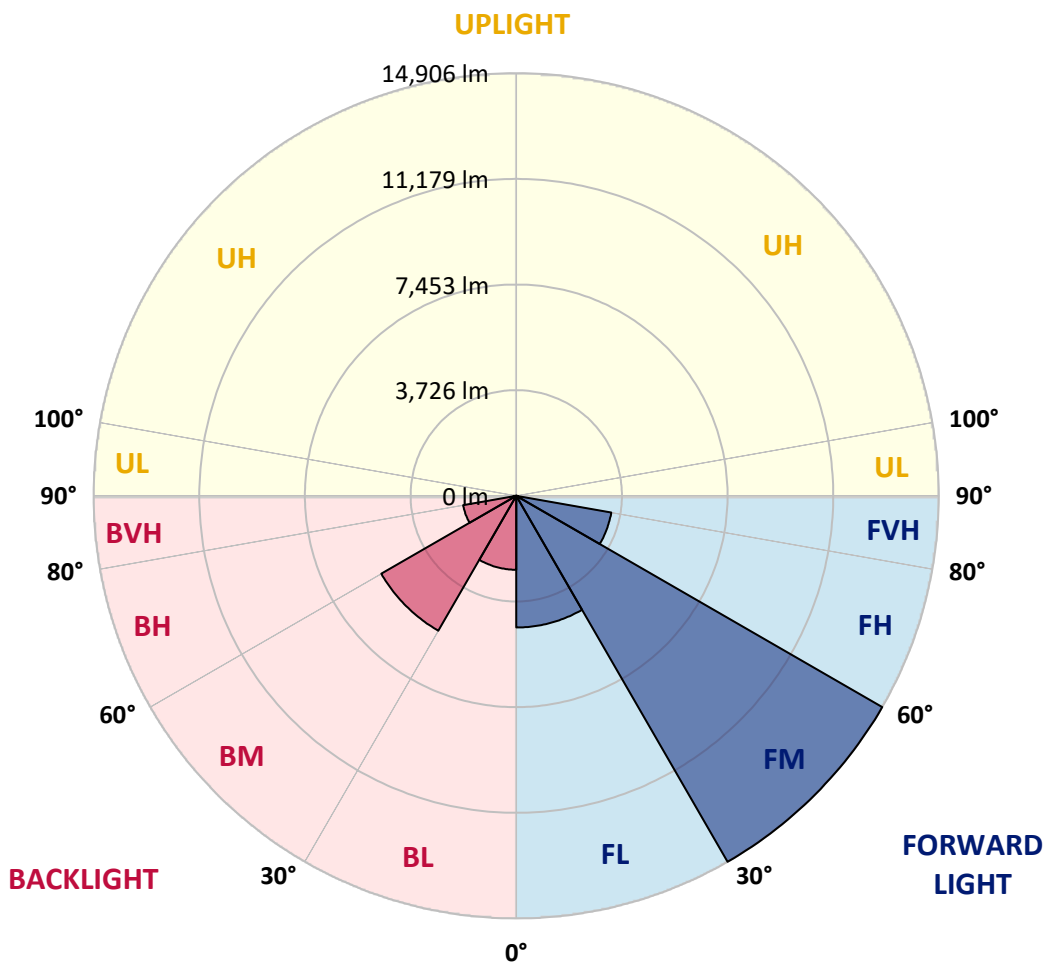


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4642.0	14.0			
FM (30°-60°)	14905.5	45.0			
FH (60°-80°)	3402.4	10.3			G2/5000
FVH (80°-90°)	56.5	0.2			G1/100
BL (0°-30°)	2607.4	7.9	B4/5000		
BM (30°-60°)	5494.6	16.6	B4/8500		
BH (60°-80°)	1900.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	96.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5
2.5°	15497.4	15410.4	15487.7	15855.1	16067.8	16212.8	16304.6	16290.2	15942.1	15603.8	15603.8
5°	15043.0	14931.9	15091.4	15922.8	16759.0	16831.6	16952.4	16754.2	16241.8	15623.1	14849.7
7.5°	13728.2	13810.4	14076.2	15168.7	16256.3	16802.6	16947.6	16696.2	15864.8	14709.5	13573.5
10°	12592.3	12785.6	13399.5	14579.0	15579.6	16290.2	16449.7	16096.8	15439.4	14023.1	13008.0
12.5°	12200.7	12079.9	12761.4	13940.9	14898.0	15279.9	15352.4	15376.6	14931.9	13675.0	12437.6
15°	12152.4	12229.7	12761.4	13655.7	14245.4	14264.8	14385.6	14574.1	14632.2	13911.9	12703.5
17.5°	12848.5	12756.6	13302.9	14013.4	13733.0	13452.6	13481.7	13752.4	14230.9	14114.9	13539.7
20°	13878.0	14085.9	14516.1	14443.6	13689.6	12978.9	12983.8	13240.0	14182.6	14956.0	14704.7
22.5°	15589.3	15792.2	16111.3	15236.4	13689.6	12838.8	12674.4	13022.5	14492.0	15956.6	16019.5
25°	17150.6	17522.8	17609.8	16580.2	14376.0	12969.3	12863.0	13206.2	14801.4	16933.1	17527.6
27.5°	18571.7	18707.1	19089.0	17445.5	14757.8	13056.3	13046.7	13486.5	15192.9	17421.3	18876.3
30°	19693.2	19678.7	19896.3	17991.7	15366.9	13544.5	13075.6	13907.1	15705.3	18228.6	20123.4
32.5°	20457.0	20621.3	21080.6	18750.6	15623.1	14008.6	13641.2	14400.2	16328.8	18610.4	21003.2
35°	21800.8	22086.0	21506.0	19171.1	16435.2	14467.8	14037.5	15072.0	16638.2	19026.1	22081.1
37.5°	23067.3	22849.7	22260.0	19398.4	16962.1	15318.5	14917.3	16372.4	17600.1	19930.1	22796.6
40°	23879.4	23874.5	22825.5	19582.0	17334.3	16618.9	16594.7	17692.0	18779.6	20500.5	23599.0
42.5°	24232.2	24570.6	23057.6	19562.7	18117.4	18194.7	18682.9	19664.2	19615.9	20616.5	23579.7
44°	24715.6	24918.7	23458.8	19606.2	18639.5	19258.2	20408.7	21032.2	20345.8	20553.7	23555.5
45°	24696.3	24710.8	22888.4	19664.2	19084.1	20147.6	21177.3	22231.0	20988.7	20418.3	23874.5
47.5°	24130.7	23966.4	22405.0	19234.0	20471.5	22496.8	23449.1	24087.2	21781.5	20128.3	23478.2
50°	23014.1	22825.5	21230.4	19050.3	20761.5	23956.7	25271.5	25503.6	22501.7	19843.1	23086.6
52.5°	23091.5	23038.3	21563.9	19325.8	21051.5	24415.9	26523.5	26581.5	23318.6	20442.5	23091.5
55°	24473.9	24290.2	22521.0	19669.0	20838.8	23879.4	25725.9	25624.4	23043.1	20080.0	23516.8
57.5°	22395.4	22516.2	21196.6	18310.8	18238.2	19412.8	20225.0	19973.5	19229.1	18122.2	21878.1
60°	18069.1	18412.2	18537.9	15313.8	13762.1	13157.8	12916.1	12471.4	12597.1	14888.4	19219.5
62.5°	15497.4	15478.1	16266.0	13882.9	9015.1	7753.6	7637.5	7739.0	9189.2	14656.4	18823.1
65°	12287.7	12616.4	12858.1	11765.7	7134.8	5757.2	5752.3	6395.2	7951.8	12249.0	15197.7
67.5°	7801.9	8232.1	8531.8	7526.4	4771.1	4099.2	3988.0	4761.3	5510.6	8033.9	9150.5
70°	4398.8	4601.8	4737.2	4340.8	3035.7	2126.9	2001.2	2184.9	3330.6	5201.2	5423.6
72.5°	1696.7	1788.5	1972.2	1986.7	1145.6	686.4	555.9	667.0	1401.8	2059.2	1962.6
75°	261.1	280.4	396.4	473.7	328.7	251.3	265.8	275.5	391.6	531.7	444.7
77.5°	125.7	125.7	120.8	140.2	164.4	178.8	193.3	212.7	232.0	256.2	246.6
80°	82.2	82.2	82.2	96.7	120.8	145.0	164.4	174.0	183.7	203.0	193.3
82.5°	53.2	53.2	53.2	72.5	96.7	120.8	130.5	154.7	174.0	203.0	188.5
85°	29.0	29.0	29.0	48.3	72.5	101.5	96.7	77.4	43.5	4.9	9.6
87.5°	9.6	9.6	9.6	9.6	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°	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5
2.5°	15197.7	14975.3	14956.0	14501.6	14095.6	13897.4	13737.9	13293.1	13389.8	13133.7	13128.8
5°	14462.9	14008.6	13273.8	12669.6	12065.3	11944.5	11417.6	10958.4	10972.9	10644.2	10702.2
7.5°	13143.3	12829.1	11934.9	10987.4	10185.0	9614.6	9116.7	8817.0	8435.1	8304.6	8236.9
10°	12307.0	11920.3	10914.9	9725.8	8826.7	8522.1	8043.6	7777.7	7386.2	7192.8	7057.5
12.5°	11939.7	11374.1	10117.3	8908.8	8309.4	7995.2	7589.2	7105.8	6641.7	6462.9	6216.4
15°	11978.3	11301.6	9885.3	8580.1	7859.9	7250.8	6888.3	6351.7	5878.0	5563.8	5384.9
17.5°	12563.2	11741.5	9991.6	8328.8	7294.3	6530.5	5820.0	5239.9	4862.9	4626.0	4568.0
20°	13945.7	12829.1	10170.5	7922.7	6728.8	5776.5	4901.6	4297.3	4007.3	4002.5	4007.3
22.5°	15096.2	13989.2	10533.0	7681.0	6163.2	4809.7	3939.6	3746.3	3688.2	3809.1	3823.6
25°	16647.9	15294.4	11156.6	7555.3	5641.1	4099.2	3562.6	3490.1	3485.2	3639.9	3644.7
27.5°	18238.2	16435.2	11528.8	7187.9	5109.4	3731.8	3335.3	3320.9	3398.2	3562.6	3548.1
30°	19321.0	17392.3	12200.7	6748.1	4481.0	3407.9	3243.5	3262.8	3369.2	3494.9	3514.3
32.5°	20582.6	18334.9	12374.8	6506.4	4094.3	3137.2	3021.2	3064.7	3200.0	3398.2	3504.6
35°	22028.0	19002.0	12640.6	6177.7	3949.3	2929.4	2871.3	2919.7	3084.0	3214.5	3330.6
37.5°	23096.3	20181.4	12688.9	5921.5	3789.8	2813.3	2721.5	2881.0	2977.7	3161.4	3219.4
40°	23889.0	21037.0	12814.6	5762.0	3664.0	2663.5	2663.5	2769.8	2900.3	3069.5	3185.6
42.5°	24396.6	21660.6	12906.4	5616.9	3422.4	2620.0	2595.8	2702.1	2876.2	3040.5	3093.7
44°	24705.9	21926.5	12814.6	5481.6	3354.7	2566.8	2566.8	2658.6	2794.0	2987.3	3050.2
45°	24783.3	22260.0	12611.6	5476.8	3272.5	2504.0	2494.2	2668.3	2760.2	2997.0	3035.7
47.5°	25083.0	22670.9	12635.7	5322.1	3074.4	2354.1	2523.3	2600.7	2682.8	2890.7	3021.2
50°	25073.3	22927.1	12582.6	5094.9	2929.4	2184.9	2465.3	2552.3	2634.5	2847.1	2900.3
52.5°	25141.0	23884.2	13070.8	4732.4	2668.3	1967.4	2272.0	2465.3	2566.8	2745.7	2856.9
55°	25107.1	24430.4	13554.2	4461.7	2300.9	1836.8	2107.6	2334.7	2479.8	2668.3	2721.5
57.5°	22932.0	21592.9	12543.9	3954.2	1904.6	1682.2	1875.5	2199.4	2383.1	2576.5	2644.1
60°	18736.1	16643.1	10344.5	2910.0	1566.2	1546.8	1745.0	2155.9	2233.3	2402.4	2518.4
62.5°	17314.9	14598.3	8203.1	2223.6	1339.0	1416.3	1609.7	1948.0	2068.9	2276.7	2383.1
65°	13549.3	9696.8	5080.4	1503.4	1179.4	1271.3	1455.0	1706.4	1904.6	2097.9	2223.6
67.5°	8024.3	5297.9	2513.6	1053.8	1029.6	1126.3	1314.8	1503.4	1730.5	1943.2	2006.0
70°	4369.8	2605.4	1073.1	802.4	874.9	961.9	1145.6	1276.1	1493.7	1658.0	1764.3
72.5°	1401.8	792.8	536.6	594.5	667.0	768.6	879.8	1039.3	1194.0	1290.6	1377.7
75°	338.3	333.6	381.9	415.7	483.4	560.7	652.6	734.8	855.6	947.4	1024.8
77.5°	236.9	256.2	294.9	343.2	367.4	396.4	454.4	517.2	570.4	638.1	686.4
80°	183.7	198.2	227.2	251.3	275.5	299.7	328.7	352.9	386.7	430.2	454.4
82.5°	174.0	183.7	212.7	227.2	217.5	212.7	232.0	241.7	246.6	261.1	275.5
85°	14.5	0.0	9.6	33.8	82.2	120.8	130.5	130.5	125.7	135.4	135.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	19.3	14.5
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°	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5
2.5°	13070.8	12906.4	12969.3	13046.7	12935.5	12679.3	12746.9	12718.0	12978.9	12959.6	13220.6
5°	10958.4	10702.2	10731.2	11108.3	10987.4	11117.9	10856.9	10823.0	10871.4	10895.5	10939.1
7.5°	8386.8	8353.0	8643.0	8962.0	9111.8	8957.2	8701.0	8643.0	8589.8	8483.5	8725.1
10°	6844.8	6854.5	6835.1	7076.8	7246.0	7212.1	7057.5	7038.2	6936.6	6897.9	7033.3
12.5°	6110.0	5979.5	5916.7	5839.3	5969.8	6056.8	5989.2	5940.9	5945.6	5994.0	6013.4
15°	5399.4	5317.3	5181.9	5094.9	5157.8	5114.2	5090.0	5186.7	5162.6	5152.9	5269.0
17.5°	4601.8	4669.5	4659.9	4563.2	4645.4	4611.6	4606.7	4539.0	4447.2	4379.5	4418.2
20°	4075.0	4200.6	4297.3	4302.1	4345.7	4340.8	4268.3	4060.5	3992.8	3978.3	3988.0
22.5°	3886.4	3954.2	4070.1	4234.5	4234.5	4157.1	4070.1	3828.4	3765.6	3698.0	3668.9
25°	3736.6	3867.1	4016.9	4036.3	4113.6	4041.1	3900.9	3780.1	3649.6	3557.7	3557.7
27.5°	3659.3	3804.3	3915.5	3949.3	4055.6	3997.6	3852.6	3698.0	3543.2	3538.4	3456.2
30°	3625.4	3760.7	3833.3	3915.5	3963.8	3871.9	3828.4	3664.0	3509.4	3470.7	3335.3
32.5°	3523.9	3717.2	3852.6	3833.3	3871.9	3833.3	3770.5	3635.1	3461.1	3374.0	3359.5
35°	3407.9	3601.3	3746.3	3847.7	3871.9	3789.8	3751.1	3567.4	3330.6	3287.0	3137.2
37.5°	3345.1	3461.1	3639.9	3804.3	3838.1	3794.6	3664.0	3475.6	3238.7	3190.3	3059.8
40°	3267.7	3417.6	3557.7	3693.1	3794.6	3688.2	3538.4	3354.7	3248.4	3103.3	3064.7
42.5°	3209.7	3378.9	3494.9	3644.7	3760.7	3620.6	3446.5	3320.9	3171.0	3074.4	2963.2
44°	3190.3	3345.1	3422.4	3606.1	3702.7	3596.4	3451.4	3320.9	3146.9	3059.8	2963.2
45°	3122.7	3335.3	3417.6	3581.9	3664.0	3577.1	3393.4	3262.8	3137.2	3030.8	2929.4
47.5°	3055.0	3200.0	3340.2	3470.7	3528.7	3499.7	3345.1	3185.6	3035.7	2972.8	2876.2
50°	3035.7	3180.7	3311.2	3432.0	3499.7	3441.8	3301.5	3146.9	2972.8	2871.3	2789.1
52.5°	2939.0	3117.8	3262.8	3301.5	3388.5	3354.7	3248.4	3079.1	2914.8	2827.8	2760.2
55°	2798.8	2987.3	3185.6	3233.9	3359.5	3306.4	3146.9	2987.3	2847.1	2716.6	2629.6
57.5°	2745.7	2929.4	3122.7	3185.6	3262.8	3175.8	3137.2	2968.0	2745.7	2677.9	2542.6
60°	2610.3	2842.3	3001.9	3146.9	3151.7	3127.5	3059.8	2866.5	2682.8	2557.1	2460.4
62.5°	2504.0	2721.5	2847.1	2982.5	3064.7	2997.0	2929.4	2750.4	2552.3	2412.1	2300.9
65°	2349.2	2547.5	2653.8	2736.0	2827.8	2818.2	2702.1	2571.6	2363.8	2252.6	2146.2
67.5°	2112.4	2286.4	2431.4	2508.8	2566.8	2552.3	2465.3	2373.4	2160.8	2049.6	1972.2
70°	1827.2	2006.0	2097.9	2141.4	2199.4	2228.4	2160.8	2117.2	1928.7	1783.7	1711.2
72.5°	1469.5	1585.5	1720.9	1759.6	1783.7	1803.0	1803.0	1764.3	1571.0	1513.0	1387.3
75°	1082.8	1174.7	1276.1	1276.1	1319.7	1324.4	1334.2	1310.0	1164.9	1087.6	1058.6
77.5°	734.8	802.4	884.6	918.5	947.4	942.6	937.8	870.1	792.8	758.9	729.9
80°	478.6	546.2	584.9	628.4	657.4	652.6	662.3	613.9	580.0	522.0	531.7
82.5°	285.2	338.3	377.0	430.2	430.2	444.7	444.7	430.2	396.4	367.4	367.4
85°	135.4	178.8	203.0	236.9	256.2	261.1	232.0	198.2	164.4	149.9	164.4
87.5°	24.2	33.8	48.3	43.5	53.2	48.3	48.3	48.3	48.3	38.7	43.5
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: P647115

CATALOG NUMBER: GALN-SA8C-835-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5	14767.5
2.5°	13123.9	13365.7	13534.9	13815.3	14298.6	14685.3	15081.7	15376.6	15410.4	15497.4
5°	11098.6	11229.1	11659.3	12220.0	12616.4	13269.0	13689.6	14453.3	14738.5	15043.0
7.5°	8667.1	8879.8	9455.0	9832.1	10702.2	11519.1	12365.1	13307.6	13684.7	13728.2
10°	7308.8	7618.2	8009.7	8613.9	9087.7	9996.5	11050.2	12099.2	12519.8	12592.3
12.5°	6419.4	6815.8	7337.8	7772.8	8227.3	9020.0	10030.3	11325.8	11872.0	12200.7
15°	5563.8	5974.7	6549.9	7154.1	7555.3	8502.8	9691.9	11151.7	11862.4	12152.4
17.5°	4684.1	5065.9	5539.6	6192.2	6999.5	8062.9	9638.7	11731.8	12510.1	12848.5
20°	3930.0	4142.6	4693.7	5365.6	6375.9	7613.3	9658.1	12587.4	13728.2	13878.0
22.5°	3635.1	3683.4	3900.9	4519.7	5626.6	7154.1	10001.3	13800.7	15096.2	15589.3
25°	3407.9	3398.2	3456.2	3871.9	5080.4	6975.3	10339.7	14917.3	16614.0	17150.6
27.5°	3282.2	3185.6	3190.3	3581.9	4693.7	6685.3	10774.7	16198.3	18334.9	18571.7
30°	3219.4	3200.0	3142.0	3301.5	4273.1	6250.2	10847.2	17460.0	19350.0	19693.2
32.5°	3180.7	2992.2	2919.7	2977.7	3876.8	5776.5	11117.9	18291.4	20606.8	20457.0
35°	2987.3	2818.2	2769.8	2827.8	3596.4	5510.6	10939.1	19016.5	21549.4	21800.8
37.5°	2914.8	2765.0	2668.3	2620.0	3335.3	5288.2	10847.2	20133.1	22463.0	23067.3
40°	2847.1	2687.6	2571.6	2523.3	3132.4	4993.4	10818.2	20993.6	23516.8	23879.4
42.5°	2769.8	2668.3	2537.8	2450.8	2885.8	4698.5	10484.7	21259.4	23840.7	24232.2
44°	2745.7	2590.9	2455.6	2426.6	2789.1	4548.7	10417.0	21501.1	24121.0	24715.6
45°	2721.5	2576.5	2421.7	2383.1	2755.3	4466.5	10325.2	21559.1	24585.1	24696.3
47.5°	2653.8	2562.0	2412.1	2305.8	2682.8	4287.6	10049.6	21230.4	24111.4	24130.7
50°	2600.7	2494.2	2339.6	2131.7	2586.1	4137.8	10175.3	21109.5	22970.6	23014.1
52.5°	2542.6	2383.1	2296.1	1938.4	2426.6	4012.1	10441.1	21655.7	23101.1	23091.5
55°	2475.0	2300.9	2088.3	1774.0	2160.8	3852.6	11084.1	22733.7	24309.6	24473.9
57.5°	2368.6	2218.8	1914.2	1629.0	1856.2	3548.1	10876.3	20669.6	22366.3	22395.4
60°	2228.4	2088.3	1735.4	1517.8	1522.7	2798.8	9725.8	16106.5	17648.5	18069.1
62.5°	2093.0	2015.8	1585.5	1358.3	1295.5	2228.4	8222.4	13385.0	15149.4	15497.4
65°	1933.5	1745.0	1455.0	1237.5	1111.8	1561.4	5824.8	10001.3	11818.8	12287.7
67.5°	1730.5	1527.5	1281.0	1087.6	952.3	1044.1	3006.6	5684.7	7526.4	7801.9
70°	1513.0	1324.4	1078.0	918.5	768.6	720.3	1324.4	2711.8	4113.6	4398.8
72.5°	1242.3	1068.3	860.4	725.1	575.3	497.9	444.7	725.1	1459.8	1696.7
75°	899.1	778.2	647.8	517.2	406.1	319.1	261.1	217.5	241.7	261.1
77.5°	662.3	565.6	478.6	367.4	285.2	227.2	178.8	135.4	130.5	125.7
80°	517.2	459.2	381.9	294.9	222.4	169.2	125.7	91.8	82.2	82.2
82.5°	406.1	377.0	314.2	241.7	183.7	135.4	91.8	62.9	53.2	53.2
85°	154.7	154.7	227.2	198.2	140.2	96.7	62.9	33.8	29.0	29.0
87.5°	38.7	38.7	38.7	38.7	33.8	29.0	29.0	14.5	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)