

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: P647005

Luminaire Tested: **GALN-SA6C-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647005
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-SA6C-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 24311.4 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

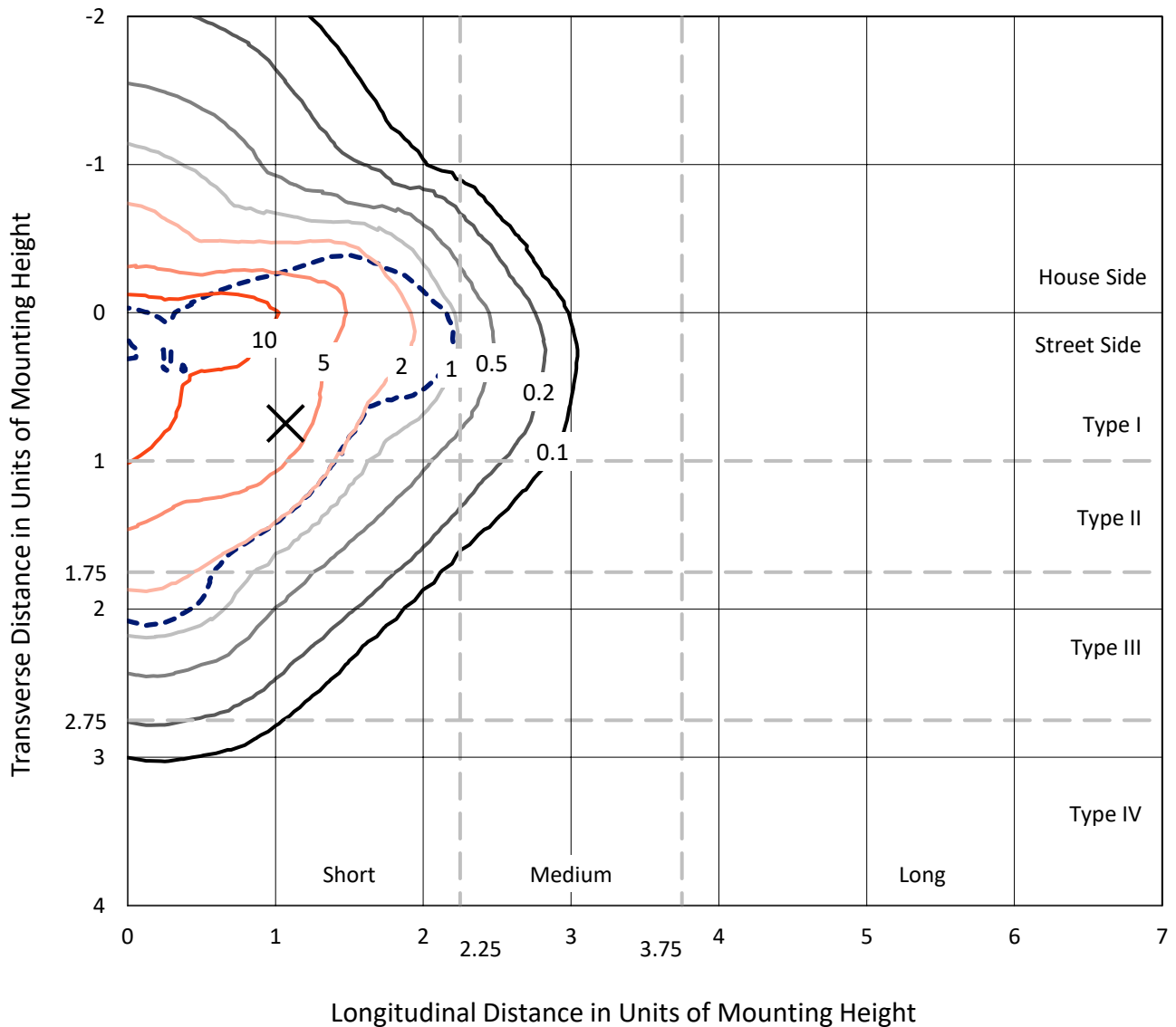
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

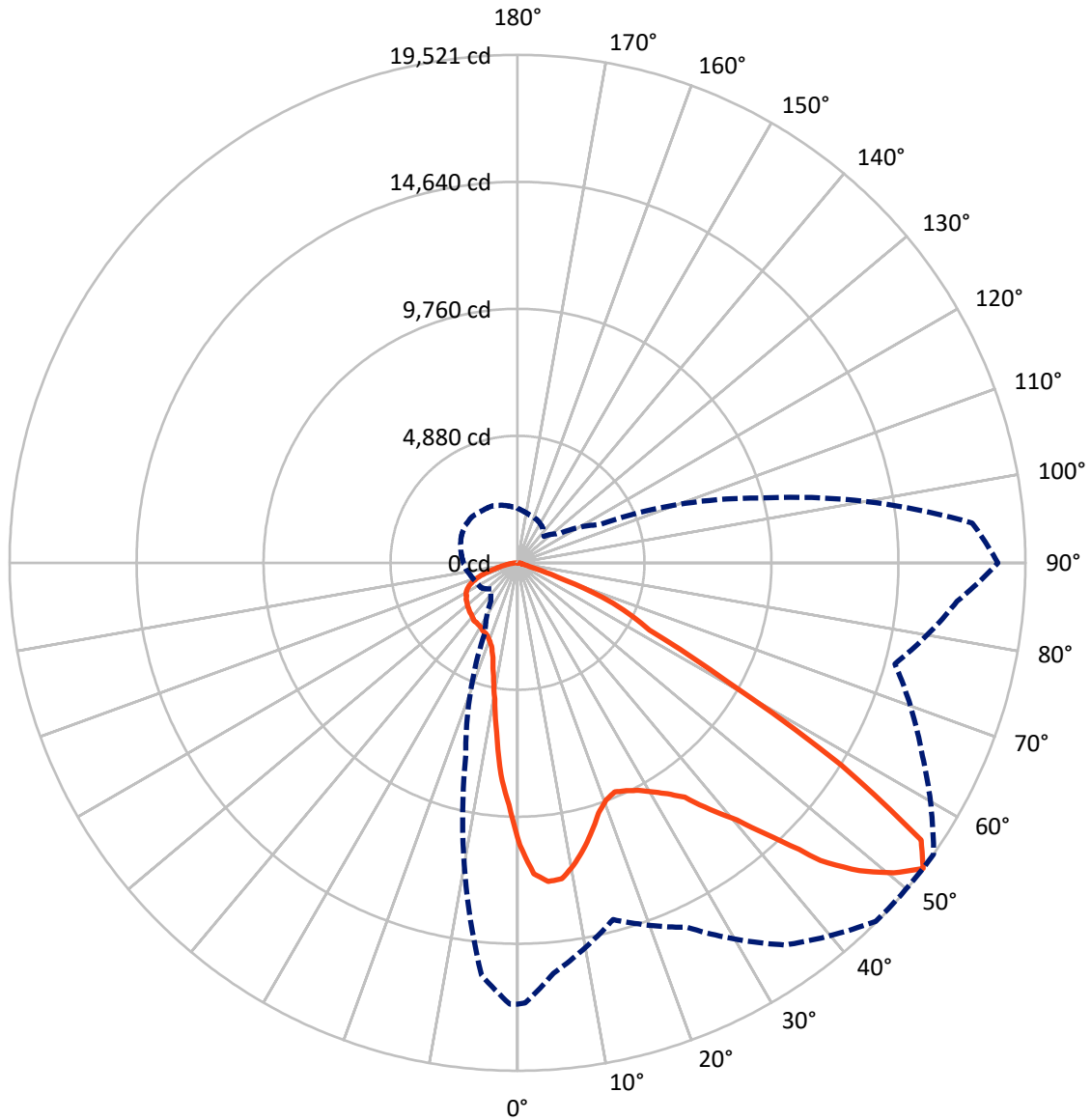
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 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
House Side	Lumens	7416.3	0.0	7416.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	16895.1	0.0	16895.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	24311.4	0.0	24311.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.5	3.4
10°-20°	1786.4	7.3
20°-30°	2708.8	11.1
30°-40°	3913.7	16.1
40°-50°	5229.8	21.5
50°-60°	5837.6	24.0
60°-70°	3202.2	13.2
70°-80°	692.3	2.8
80°-90°	112.0	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°	24311.4	100.0
0°-180°	24311.4	100.0

Coefficient of Utilization



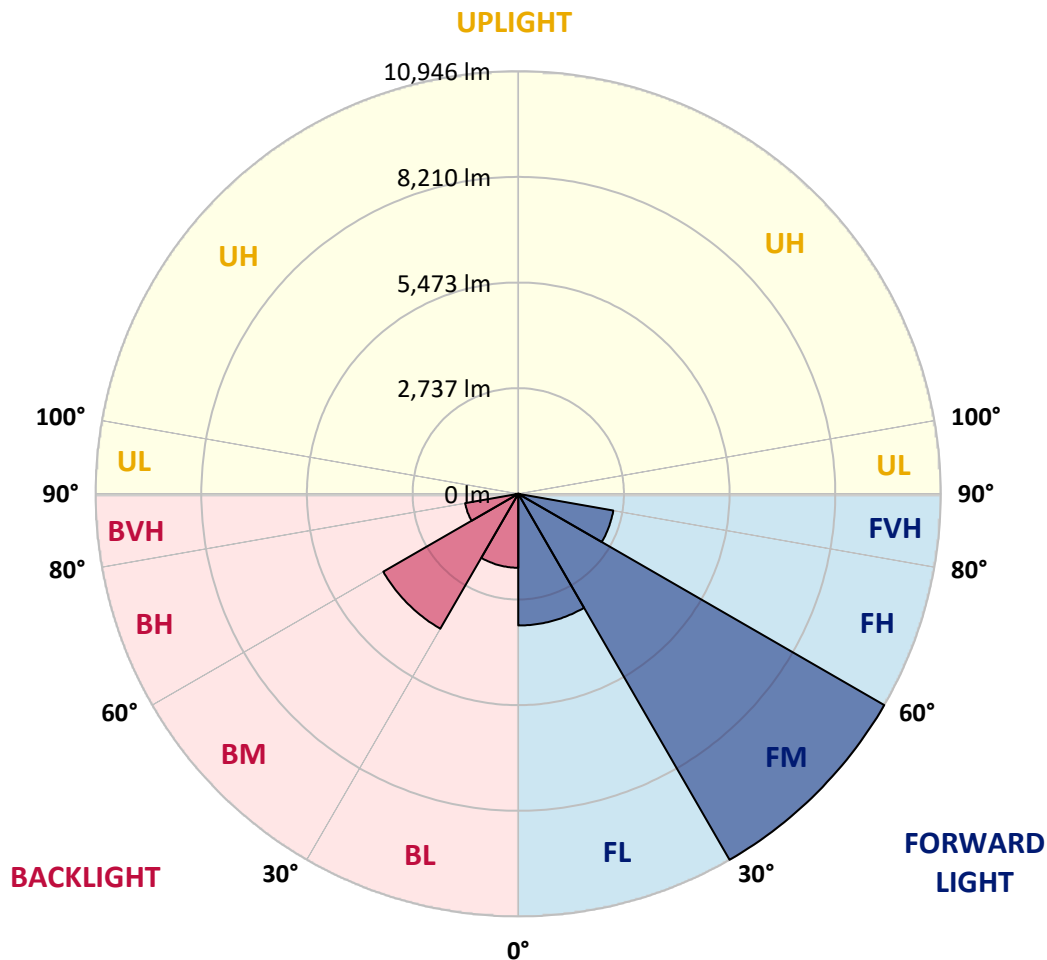
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3408.9	14.0			
FM (30°-60°)	10946.1	45.0			
FH (60°-80°)	2498.6	10.3			G2/5000
FVH (80°-90°)	41.5	0.2			G1/100
BL (0°-30°)	1914.8	7.9	B3/2500		
BM (30°-60°)	4035.1	16.6	B3/5000		
BH (60°-80°)	1395.9	5.7	B3/2500		G3/2500
BVH (80°-90°)	70.5	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°	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8
2.5°	11380.7	11316.9	11373.7	11643.4	11799.7	11906.1	11973.6	11963.0	11707.3	11458.9	11458.9
5°	11047.1	10965.4	11082.6	11693.2	12307.3	12360.5	12449.3	12303.7	11927.4	11473.1	10905.1
7.5°	10081.5	10141.9	10337.1	11139.3	11938.1	12339.2	12445.7	12261.2	11650.6	10802.2	9967.9
10°	9247.3	9389.3	9840.1	10706.3	11441.1	11963.0	12080.1	11821.0	11338.2	10298.1	9552.6
12.5°	8959.8	8871.1	9371.6	10237.7	10940.6	11221.0	11274.3	11292.0	10965.4	10042.5	9133.7
15°	8924.3	8981.1	9371.6	10028.3	10461.3	10475.6	10564.3	10702.7	10745.3	10216.4	9329.0
17.5°	9435.5	9368.0	9769.2	10291.0	10085.1	9879.2	9900.5	10099.3	10450.7	10365.5	9943.1
20°	10191.6	10344.2	10660.2	10606.9	10053.2	9531.3	9534.8	9723.0	10415.2	10983.2	10798.6
22.5°	11448.2	11597.3	11831.6	11189.1	10053.2	9428.3	9307.7	9563.2	10642.4	11718.0	11764.2
25°	12594.8	12868.1	12932.0	12176.0	10557.2	9524.2	9446.1	9698.2	10869.6	12435.1	12871.7
27.5°	13638.5	13737.9	14018.3	12811.4	10837.7	9588.1	9581.0	9904.0	11157.1	12793.6	13862.1
30°	14462.0	14451.4	14611.1	13212.5	11284.9	9946.6	9602.3	10212.9	11533.4	13386.4	14778.0
32.5°	15022.9	15143.6	15480.8	13769.8	11473.1	10287.4	10017.6	10575.0	11991.3	13666.9	15424.0
35°	16009.8	16219.2	15793.2	14078.7	12069.5	10624.7	10308.7	11068.4	12218.6	13972.2	16215.6
37.5°	16939.8	16780.1	16347.0	14245.5	12456.4	11249.4	10954.8	12023.3	12925.0	14636.0	16741.0
40°	17536.2	17532.6	16762.3	14380.4	12729.7	12204.3	12186.6	12992.4	13791.1	15054.8	17330.3
42.5°	17795.3	18043.8	16932.7	14366.2	13304.8	13361.6	13720.1	14440.7	14405.2	15140.1	17316.1
44°	18150.3	18299.4	17227.3	14398.1	13688.2	14142.5	14987.4	15445.3	14941.3	15093.9	17298.3
45°	18136.1	18146.7	16808.5	14440.7	14014.8	14795.7	15551.9	16325.7	15413.4	14994.5	17532.6
47.5°	17720.8	17600.1	16453.5	14124.8	15033.5	16520.9	17220.3	17688.8	15995.6	14781.6	17241.6
50°	16900.7	16762.3	15590.9	13989.9	15246.6	17593.0	18558.5	18729.0	16524.5	14572.1	16954.0
52.5°	16957.6	16918.5	15835.8	14192.3	15459.6	17930.2	19478.0	19520.6	17124.4	15012.2	16957.6
55°	17972.8	17837.9	16538.7	14444.3	15303.3	17536.2	18892.2	18817.7	16922.0	14746.0	17269.9
57.5°	16446.4	16535.2	15566.0	13446.8	13393.5	14256.2	14852.5	14667.9	14121.2	13308.3	16066.5
60°	13269.3	13521.3	13613.6	11245.9	10106.4	9662.7	9485.2	9158.6	9250.9	10933.5	14114.1
62.5°	11380.7	11366.6	11945.2	10195.1	6620.4	5694.0	5608.7	5683.3	6748.2	10763.1	13823.1
65°	9023.7	9265.1	9442.6	8640.3	5239.5	4227.9	4224.3	4696.4	5839.5	8995.3	11160.6
67.5°	5729.4	6045.4	6265.5	5527.1	3503.7	3010.2	2928.6	3496.6	4046.8	5899.8	6719.9
70°	3230.3	3379.4	3478.9	3187.7	2229.3	1561.9	1469.6	1604.5	2445.9	3819.6	3982.9
72.5°	1246.0	1313.4	1448.3	1459.0	841.3	504.1	408.3	489.8	1029.5	1512.2	1441.3
75°	191.7	205.9	291.1	347.9	241.4	184.6	195.2	202.3	287.5	390.5	326.6
77.5°	92.3	92.3	88.7	103.0	120.7	131.3	142.0	156.2	170.4	188.2	181.0
80°	60.4	60.4	60.4	71.0	88.7	106.5	120.7	127.8	134.9	149.1	142.0
82.5°	39.1	39.1	39.1	53.2	71.0	88.7	95.8	113.6	127.8	149.1	138.4
85°	21.3	21.3	21.3	35.5	53.2	74.5	71.0	56.8	31.9	3.5	7.1
87.5°	7.1	7.1	7.1	7.1	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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CATALOG NUMBER: GALN-SA6C-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8
2.5°	11160.6	10997.4	10983.2	10649.5	10351.3	10205.8	10088.6	9762.1	9833.1	9644.9	9641.4
5°	10621.1	10287.4	9747.9	9304.2	8860.4	8771.6	8384.7	8047.5	8058.2	7816.8	7859.4
7.5°	9652.0	9421.3	8764.5	8068.8	7479.5	7060.6	6695.0	6474.9	6194.5	6098.6	6048.9
10°	9037.9	8753.9	8015.5	7142.3	6482.0	6258.4	5907.0	5711.7	5424.2	5282.1	5182.8
12.5°	8768.1	8352.7	7429.8	6542.4	6102.2	5871.4	5573.2	5218.2	4877.5	4746.2	4565.1
15°	8796.5	8299.5	7259.4	6301.0	5772.0	5324.8	5058.5	4664.5	4316.6	4085.9	3954.5
17.5°	9226.0	8622.6	7337.5	6116.4	5356.7	4795.8	4274.0	3848.1	3571.1	3397.2	3354.6
20°	10241.2	9421.3	7468.9	5818.2	4941.4	4242.1	3599.5	3155.8	2942.8	2939.3	2942.8
22.5°	11086.1	10273.2	7735.1	5640.7	4526.1	3532.1	2893.1	2751.1	2708.6	2797.3	2807.9
25°	12225.6	11231.7	8193.0	5548.4	4142.7	3010.2	2616.2	2563.0	2559.5	2673.0	2676.6
27.5°	13393.5	12069.5	8466.3	5278.6	3752.2	2740.5	2449.4	2438.7	2495.5	2616.2	2605.6
30°	14188.7	12772.3	8959.8	4955.6	3290.7	2502.6	2382.0	2396.1	2474.2	2566.5	2580.8
32.5°	15115.2	13464.5	9087.6	4778.1	3006.7	2303.8	2218.6	2250.6	2350.0	2495.5	2573.6
35°	16176.6	13954.4	9282.9	4536.7	2900.2	2151.2	2108.6	2144.1	2264.8	2360.7	2445.9
37.5°	16961.1	14820.5	9318.3	4348.5	2783.1	2066.0	1998.5	2115.7	2186.7	2321.6	2364.2
40°	17543.3	15448.9	9410.6	4231.4	2690.8	1955.9	1955.9	2034.1	2129.9	2254.2	2339.4
42.5°	17916.1	15906.8	9478.1	4124.9	2513.3	1924.0	1906.3	1984.4	2112.1	2232.9	2271.9
44°	18143.2	16102.1	9410.6	4025.5	2463.6	1885.0	1885.0	1952.4	2051.8	2193.8	2239.9
45°	18200.0	16347.0	9261.6	4022.0	2403.3	1838.8	1831.8	1959.5	2027.0	2200.9	2229.3
47.5°	18420.1	16648.7	9279.3	3908.3	2257.7	1728.8	1853.0	1909.8	1970.2	2122.8	2218.6
50°	18413.0	16836.8	9240.3	3741.6	2151.2	1604.5	1810.5	1874.3	1934.6	2090.8	2129.9
52.5°	18462.7	17539.7	9598.7	3475.3	1959.5	1444.8	1668.4	1810.5	1885.0	2016.3	2098.0
55°	18437.8	17940.9	9953.7	3276.5	1689.7	1349.0	1547.8	1714.5	1821.1	1959.5	1998.5
57.5°	16840.5	15857.1	9211.8	2903.8	1398.7	1235.3	1377.4	1615.2	1750.1	1892.0	1941.8
60°	13759.2	12222.1	7596.7	2137.0	1150.1	1136.0	1281.5	1583.2	1640.0	1764.3	1849.4
62.5°	12715.5	10720.5	6024.1	1632.9	983.3	1040.1	1182.1	1430.6	1519.3	1671.9	1750.1
65°	9950.2	7121.0	3730.9	1104.0	866.2	933.6	1068.5	1253.1	1398.7	1540.6	1632.9
67.5°	5892.7	3890.6	1845.9	773.8	756.1	827.1	965.5	1104.0	1270.8	1427.0	1473.2
70°	3209.0	1913.3	788.1	589.3	642.5	706.4	841.3	937.2	1096.9	1217.6	1295.7
72.5°	1029.5	582.2	394.0	436.6	489.8	564.4	646.1	763.2	876.8	947.8	1011.7
75°	248.5	244.9	280.5	305.3	355.0	411.8	479.2	539.6	628.4	695.8	752.5
77.5°	173.9	188.2	216.6	252.0	269.8	291.1	333.7	379.8	418.9	468.5	504.1
80°	134.9	145.6	166.9	184.6	202.3	220.1	241.4	259.2	284.0	315.9	333.7
82.5°	127.8	134.9	156.2	166.9	159.7	156.2	170.4	177.5	181.0	191.7	202.3
85°	10.6	0.0	7.1	24.8	60.4	88.7	95.8	95.8	92.3	99.4	99.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	14.2	10.6
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°	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8
2.5°	9598.7	9478.1	9524.2	9581.0	9499.4	9311.2	9360.9	9339.6	9531.3	9517.1	9708.8
5°	8047.5	7859.4	7880.7	8157.5	8068.8	8164.7	7972.9	7948.1	7983.5	8001.3	8033.3
7.5°	6159.0	6134.1	6347.1	6581.4	6691.4	6577.8	6389.7	6347.1	6308.1	6229.9	6407.4
10°	5026.5	5033.7	5019.5	5196.9	5321.2	5296.4	5182.8	5168.6	5094.0	5065.6	5165.0
12.5°	4487.0	4391.1	4345.0	4288.2	4384.0	4447.9	4398.3	4362.7	4366.3	4401.8	4416.0
15°	3965.2	3904.8	3805.5	3741.6	3787.7	3755.7	3738.0	3809.0	3791.2	3784.2	3869.4
17.5°	3379.4	3429.1	3422.0	3351.1	3411.4	3386.6	3383.0	3333.3	3265.8	3216.2	3244.5
20°	2992.5	3084.8	3155.8	3159.3	3191.3	3187.7	3134.5	2981.9	2932.2	2921.5	2928.6
22.5°	2854.0	2903.8	2988.9	3109.7	3109.7	3052.8	2988.9	2811.4	2765.3	2715.6	2694.3
25°	2744.0	2839.9	2950.0	2964.1	3020.9	2967.6	2864.7	2776.0	2680.1	2612.7	2612.7
27.5°	2687.3	2793.7	2875.3	2900.2	2978.3	2935.7	2829.2	2715.6	2602.1	2598.5	2538.1
30°	2662.4	2761.8	2815.0	2875.3	2910.9	2843.4	2811.4	2690.8	2577.2	2548.8	2449.4
32.5°	2587.8	2729.9	2829.2	2815.0	2843.4	2815.0	2768.8	2669.5	2541.7	2477.8	2467.2
35°	2502.6	2644.7	2751.1	2825.7	2843.4	2783.1	2754.7	2619.8	2445.9	2413.9	2303.8
37.5°	2456.5	2541.7	2673.0	2793.7	2818.6	2786.6	2690.8	2552.3	2378.4	2342.9	2247.1
40°	2399.7	2509.7	2612.7	2712.1	2786.6	2708.6	2598.5	2463.6	2385.5	2279.0	2250.6
42.5°	2357.1	2481.3	2566.5	2676.6	2761.8	2658.8	2531.0	2438.7	2328.7	2257.7	2176.0
44°	2342.9	2456.5	2513.3	2648.2	2719.2	2641.1	2534.6	2438.7	2310.9	2247.1	2176.0
45°	2293.2	2449.4	2509.7	2630.4	2690.8	2626.9	2492.0	2396.1	2303.8	2225.8	2151.2
47.5°	2243.5	2350.0	2452.9	2548.8	2591.4	2570.1	2456.5	2339.4	2229.3	2183.2	2112.1
50°	2229.3	2335.8	2431.6	2520.4	2570.1	2527.4	2424.6	2310.9	2183.2	2108.6	2048.2
52.5°	2158.3	2289.6	2396.1	2424.6	2488.5	2463.6	2385.5	2261.2	2140.6	2076.7	2027.0
55°	2055.4	2193.8	2339.4	2374.8	2467.2	2428.1	2310.9	2193.8	2090.8	1995.0	1931.1
57.5°	2016.3	2151.2	2293.2	2339.4	2396.1	2332.2	2303.8	2179.6	2016.3	1966.6	1867.2
60°	1916.9	2087.3	2204.5	2310.9	2314.5	2296.8	2247.1	2105.0	1970.2	1877.9	1806.9
62.5°	1838.8	1998.5	2090.8	2190.3	2250.6	2200.9	2151.2	2019.8	1874.3	1771.4	1689.7
65°	1725.2	1870.7	1948.9	2009.2	2076.7	2069.5	1984.4	1888.5	1735.8	1654.2	1576.1
67.5°	1551.3	1679.1	1785.6	1842.4	1885.0	1874.3	1810.5	1743.0	1586.7	1505.2	1448.3
70°	1341.8	1473.2	1540.6	1572.6	1615.2	1636.5	1586.7	1554.8	1416.4	1309.9	1256.6
72.5°	1079.1	1164.3	1263.8	1292.1	1309.9	1324.1	1324.1	1295.7	1153.7	1111.1	1018.8
75°	795.1	862.6	937.2	937.2	969.1	972.6	979.8	962.0	855.5	798.7	777.4
77.5°	539.6	589.3	649.7	674.5	695.8	692.3	688.6	639.0	582.2	557.3	536.0
80°	351.4	401.1	429.6	461.5	482.8	479.2	486.3	450.9	426.0	383.4	390.5
82.5°	209.5	248.5	276.9	315.9	315.9	326.6	326.6	315.9	291.1	269.8	269.8
85°	99.4	131.3	149.1	173.9	188.2	191.7	170.4	145.6	120.7	110.0	120.7
87.5°	17.8	24.8	35.5	31.9	39.1	35.5	35.5	35.5	35.5	28.4	31.9
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: P647005

CATALOG NUMBER: GALN-SA6C-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8	10844.8
2.5°	9637.8	9815.3	9939.6	10145.4	10500.4	10784.4	11075.5	11292.0	11316.9	11380.7
5°	8150.4	8246.2	8562.2	8974.0	9265.1	9744.3	10053.2	10614.0	10823.5	11047.1
7.5°	6364.9	6521.1	6943.5	7220.4	7859.4	8459.3	9080.5	9772.7	10049.6	10081.5
10°	5367.4	5594.5	5882.1	6325.8	6673.7	7341.1	8114.9	8885.2	9194.1	9247.3
12.5°	4714.2	5005.2	5388.7	5708.1	6041.8	6624.0	7365.9	8317.3	8718.4	8959.8
15°	4085.9	4387.6	4810.0	5253.8	5548.4	6244.2	7117.4	8189.5	8711.3	8924.3
17.5°	3439.8	3720.2	4068.1	4547.4	5140.2	5921.1	7078.4	8615.4	9186.9	9435.5
20°	2886.0	3042.2	3446.9	3940.3	4682.3	5591.0	7092.6	9243.8	10081.5	10191.6
22.5°	2669.5	2705.0	2864.7	3319.1	4132.0	5253.8	7344.6	10134.8	11086.1	11448.2
25°	2502.6	2495.5	2538.1	2843.4	3730.9	5122.4	7593.1	10954.8	12200.8	12594.8
27.5°	2410.3	2339.4	2342.9	2630.4	3446.9	4909.4	7912.6	11895.5	13464.5	13638.5
30°	2364.2	2350.0	2307.4	2424.6	3138.0	4589.9	7965.9	12822.0	14210.0	14462.0
32.5°	2335.8	2197.3	2144.1	2186.7	2847.0	4242.1	8164.7	13432.6	15133.0	15022.9
35°	2193.8	2069.5	2034.1	2076.7	2641.1	4046.8	8033.3	13965.0	15825.1	16009.8
37.5°	2140.6	2030.5	1959.5	1924.0	2449.4	3883.5	7965.9	14785.1	16496.1	16939.8
40°	2090.8	1973.7	1888.5	1853.0	2300.3	3666.9	7944.6	15417.0	17269.9	17536.2
42.5°	2034.1	1959.5	1863.7	1799.8	2119.3	3450.4	7699.6	15612.2	17507.8	17795.3
44°	2016.3	1902.7	1803.3	1782.0	2048.2	3340.4	7649.9	15789.7	17713.7	18150.3
45°	1998.5	1892.0	1778.5	1750.1	2023.4	3280.1	7582.4	15832.3	18054.5	18136.1
47.5°	1948.9	1881.4	1771.4	1693.2	1970.2	3148.7	7380.1	15590.9	17706.6	17720.8
50°	1909.8	1831.8	1718.1	1565.5	1899.2	3038.7	7472.4	15502.1	16868.8	16900.7
52.5°	1867.2	1750.1	1686.2	1423.5	1782.0	2946.4	7667.7	15903.3	16964.6	16957.6
55°	1817.5	1689.7	1533.5	1302.8	1586.7	2829.2	8139.8	16694.9	17852.2	17972.8
57.5°	1739.4	1629.3	1405.7	1196.3	1363.1	2605.6	7987.1	15179.1	16425.1	16446.4
60°	1636.5	1533.5	1274.4	1114.7	1118.2	2055.4	7142.3	11828.1	12960.5	13269.3
62.5°	1537.1	1480.3	1164.3	997.5	951.3	1636.5	6038.3	9829.5	11125.2	11380.7
65°	1420.0	1281.5	1068.5	908.7	816.4	1146.6	4277.5	7344.6	8679.3	9023.7
67.5°	1270.8	1121.7	940.7	798.7	699.3	766.8	2208.0	4174.6	5527.1	5729.4
70°	1111.1	972.6	791.6	674.5	564.4	528.9	972.6	1991.5	3020.9	3230.3
72.5°	912.3	784.5	631.9	532.4	422.4	365.7	326.6	532.4	1072.1	1246.0
75°	660.3	571.5	475.7	379.8	298.2	234.3	191.7	159.7	177.5	191.7
77.5°	486.3	415.3	351.4	269.8	209.5	166.9	131.3	99.4	95.8	92.3
80°	379.8	337.2	280.5	216.6	163.3	124.3	92.3	67.4	60.4	60.4
82.5°	298.2	276.9	230.8	177.5	134.9	99.4	67.4	46.1	39.1	39.1
85°	113.6	113.6	166.9	145.6	103.0	71.0	46.1	24.8	21.3	21.3
87.5°	28.4	28.4	28.4	28.4	24.8	21.3	21.3	10.6	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)