

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: P647004

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18046.6 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

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

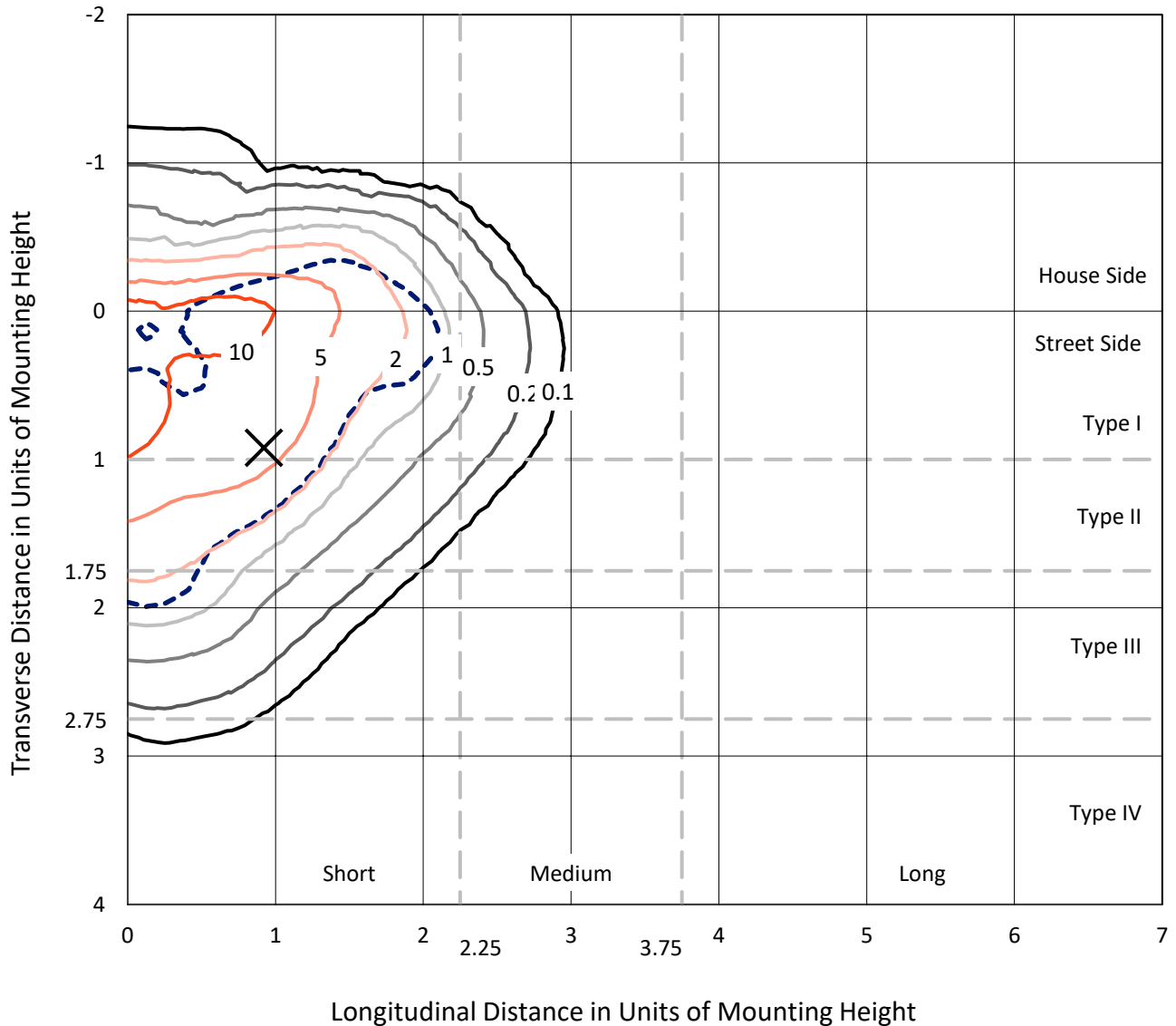




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Iso-Footcandle Lines of Horizontal Illumination

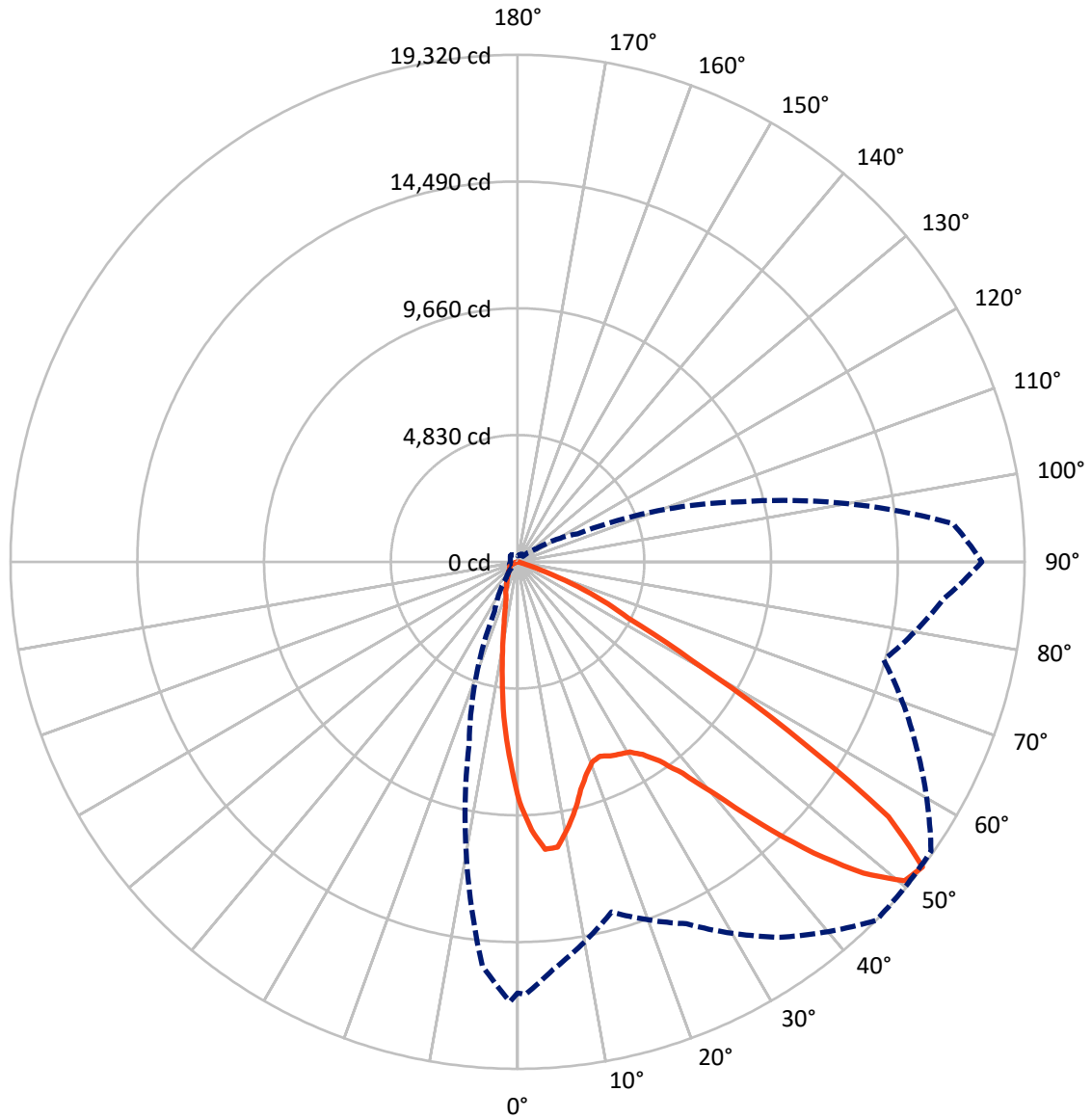
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical



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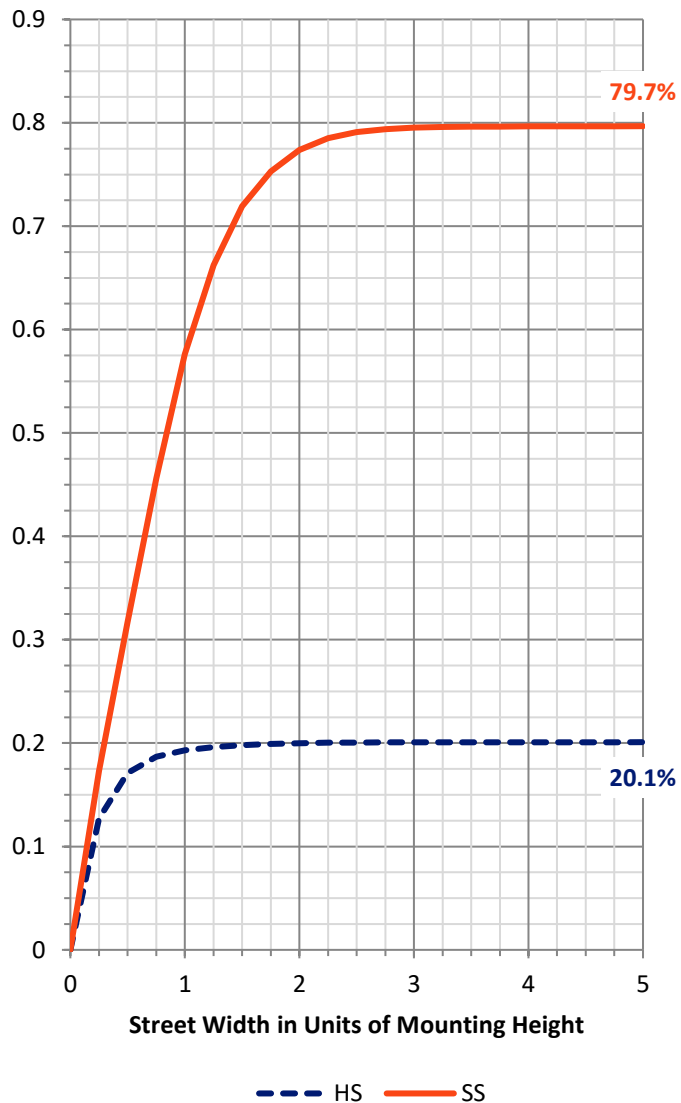
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3662.6	0.0	3662.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	14384.0	0.0	14384.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	18046.6	0.0	18046.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.3	3.7
10°-20°	1316.6	7.3
20°-30°	2003.7	11.1
30°-40°	2994.7	16.6
40°-50°	4264.8	23.6
50°-60°	4584.5	25.4
60°-70°	2031.5	11.3
70°-80°	164.4	0.9
80°-90°	19.1	0.1
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°	18046.6	100.0
0°-180°	18046.6	100.0

Coefficient of Utilization

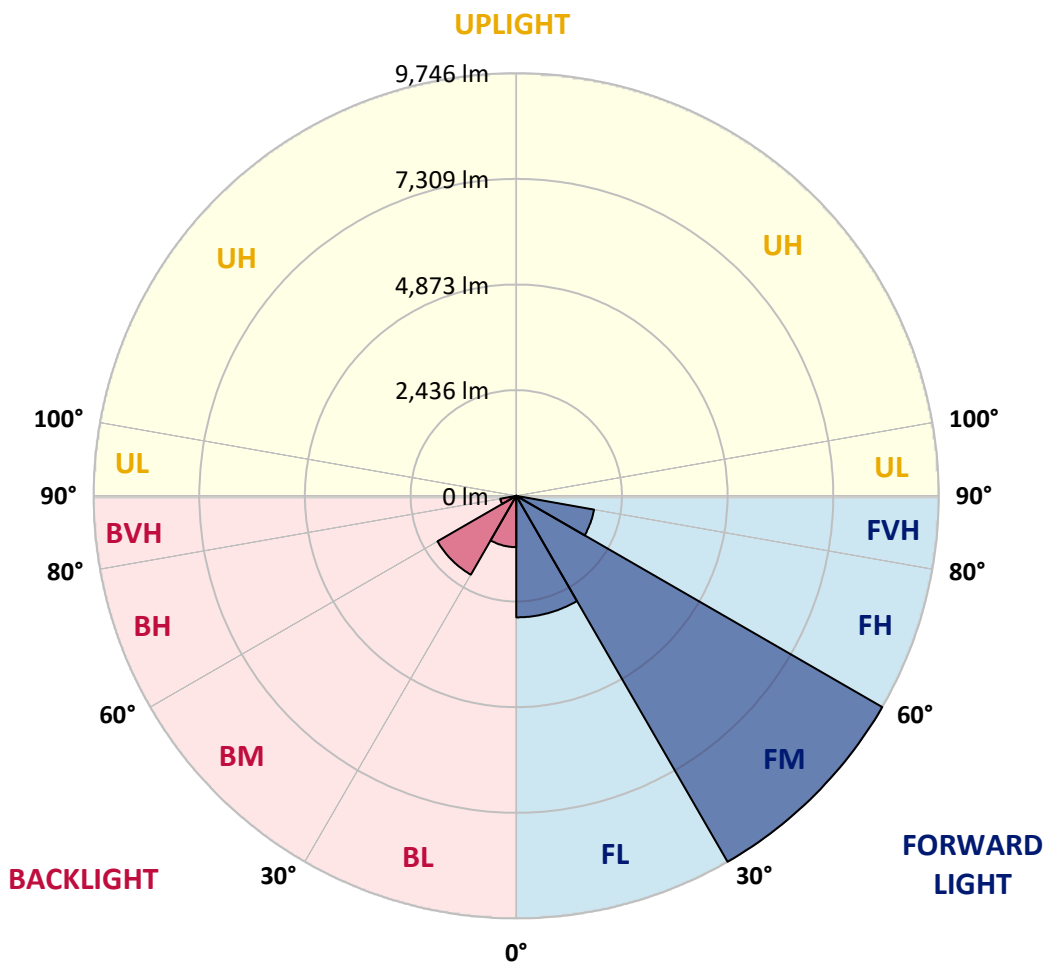


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2803.0	15.5			
FM (30°-60°)	9745.7	54.0			
FH (60°-80°)	1821.1	10.1			G2/5000
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	1184.6	6.6	B3/2500		
BM (30°-60°)	2098.2	11.6	B2/2500		
BH (60°-80°)	374.7	2.1	B1/500		G1/500
BVH (80°-90°)	5.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5
2.5°	9682.9	9711.2	9867.4	10062.6	10165.6	10399.9	10236.6	10279.1	10190.4	9878.1	9633.2
5°	9388.2	9384.7	9583.5	10066.2	10524.1	10989.1	11003.3	10754.8	10318.2	9839.0	9154.0
7.5°	8500.9	8639.3	8845.2	9615.4	10463.8	10811.6	10978.4	10687.4	10016.5	9331.5	8589.7
10°	7830.1	7901.0	8248.9	9178.9	9800.0	10265.0	10367.9	10201.1	9686.4	8831.0	8000.5
12.5°	7443.2	7478.7	7886.8	8667.7	9324.4	9668.6	9718.4	9796.4	9427.3	8625.1	7627.8
15°	7446.7	7475.1	8025.3	8678.4	8937.5	8845.2	9008.5	9004.9	9164.6	8586.1	7940.1
17.5°	7982.7	8014.6	8511.5	8834.6	8721.0	8504.5	8493.8	8657.1	8994.2	9072.4	8412.2
20°	8905.5	8980.1	9345.7	9328.0	8689.0	8252.4	8131.8	8256.0	9040.4	9484.1	9363.4
22.5°	10147.8	10250.8	10506.4	10016.5	8834.6	8082.0	8043.1	8284.4	9345.7	10403.4	10442.5
25°	11588.9	11762.9	11887.1	11258.8	9352.8	8376.7	8192.1	8607.4	9757.4	11400.8	11816.1
27.5°	12543.7	12724.8	12696.3	11798.3	9700.6	8454.8	8298.6	8685.5	10115.9	11638.6	12533.1
30°	13289.1	13399.2	13597.9	12089.4	10048.5	8674.9	8408.6	9015.5	10233.0	12050.4	13399.2
32.5°	14158.8	14233.2	14247.5	12604.0	10584.4	8951.7	8749.4	9427.3	10751.2	12444.4	14165.8
35°	15035.4	15145.5	14914.7	13239.4	10914.6	9466.4	9317.3	10140.8	11166.5	12852.6	15010.6
37.5°	15986.7	16043.4	15511.1	13502.1	11386.6	10304.0	10222.4	10910.9	11887.1	13590.8	15947.6
40°	16785.3	16838.6	16146.4	13825.0	11883.5	11475.3	11684.8	12380.5	12866.7	14070.0	16416.1
42.5°	17229.0	17353.2	16359.4	13647.6	12880.9	12802.8	13732.8	13977.7	14002.5	14204.9	16835.0
45°	17349.6	17292.9	16008.0	13793.1	13754.1	14985.8	15830.5	16153.5	15131.2	14453.3	16941.5
47.5°	16792.4	16866.9	15489.8	13665.3	14900.6	16639.8	17733.0	18332.8	15972.5	14236.8	16678.8
50°	16341.6	16245.8	15322.9	13573.1	15209.4	17420.7	19106.6	19241.5	16746.3	14503.0	16391.3
52.5°	16430.4	16490.7	15589.1	13818.0	15216.4	17466.8	19319.6	19227.3	16771.1	14442.7	16288.4
55°	16618.5	16352.3	15475.5	13278.4	14197.7	16178.3	17147.3	17005.4	15479.1	13800.2	16036.4
57.5°	14339.7	14751.5	14229.7	11855.2	11652.8	12188.8	12171.0	12607.6	11546.4	11876.5	14598.9
60°	11638.6	11709.6	11904.8	10140.8	8064.4	7879.7	7624.2	7347.4	7769.7	10155.0	13278.4
62.5°	10236.6	10151.4	10847.1	9225.0	5693.3	4766.9	4724.3	4894.7	5995.0	9686.4	12455.0
65°	7439.6	7546.1	8050.1	7159.2	4273.5	3638.2	3574.3	4078.3	4852.1	7762.7	9505.4
67.5°	4543.3	4749.1	4795.3	4415.5	2899.9	2303.6	2211.3	2669.2	3503.3	5022.5	5572.6
70°	2097.7	2346.2	2580.5	2410.1	1678.9	947.7	894.4	1121.6	1767.6	2889.3	2956.7
72.5°	635.3	638.9	894.4	933.5	543.1	213.0	188.2	248.4	599.9	954.8	1004.5
75°	46.1	49.7	120.7	138.4	103.0	53.2	56.8	67.4	127.8	213.0	159.7
77.5°	3.5	3.5	3.5	17.8	31.9	35.5	46.1	53.2	67.4	78.1	71.0
80°	3.5	0.0	3.5	14.2	24.8	35.5	42.6	49.7	53.2	60.4	53.2
82.5°	0.0	0.0	0.0	10.6	24.8	35.5	39.1	53.2	60.4	71.0	60.4
85°	0.0	0.0	0.0	10.6	24.8	39.1	35.5	17.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5
2.5°	9675.8	9537.3	9221.5	9061.7	8685.5	8632.3	8263.1	8202.8	8078.5	8011.1	7847.8
5°	8852.3	8685.5	8170.8	7737.8	7233.7	6882.3	6612.6	6367.7	6225.7	6094.4	6154.7
7.5°	8181.5	7695.2	7123.7	6399.6	5817.5	5441.3	5029.5	4692.4	4493.6	4358.7	4390.7
10°	7478.7	7162.8	6367.7	5554.8	4852.1	4585.9	4262.9	4003.8	3723.4	3482.0	3368.4
12.5°	7258.6	6790.1	5792.7	4965.6	4433.3	4174.2	3805.0	3506.8	3148.4	2853.7	2750.8
15°	7297.6	6846.9	5636.5	4752.7	4124.5	3677.2	3237.1	2868.0	2474.0	2268.1	2161.6
17.5°	7933.0	7152.2	5739.5	4529.1	3695.0	3073.8	2530.7	2062.2	1767.6	1554.6	1508.5
20°	8713.9	7812.3	5959.5	4365.8	3343.6	2445.5	1849.3	1444.6	1199.7	1164.2	1153.6
22.5°	9856.8	8891.4	6431.6	4255.8	2914.1	1906.1	1267.1	1050.6	983.2	976.1	979.6
25°	11454.0	10243.7	6946.2	4163.5	2591.1	1469.5	1036.5	890.9	869.6	859.0	876.7
27.5°	12146.2	11060.0	7219.6	3964.7	2296.5	1324.0	1022.2	883.8	823.5	805.7	816.4
30°	13001.6	11603.1	7649.0	3624.0	1863.5	1089.7	954.8	961.9	933.5	844.8	816.4
32.5°	14137.5	12281.0	7865.5	3382.6	1664.7	901.5	699.2	642.5	717.0	731.2	756.1
35°	14865.0	12969.7	7975.6	3240.6	1561.8	770.2	592.7	539.5	521.8	525.3	539.5
37.5°	16217.4	13899.6	8114.0	3091.6	1483.6	670.9	536.0	486.2	461.4	461.4	475.6
40°	17026.6	14637.9	8302.1	3009.9	1405.6	610.5	486.2	443.6	422.4	422.4	429.5
42.5°	17229.0	15003.5	8238.3	2981.5	1316.8	596.3	443.6	411.7	386.9	383.4	379.8
45°	17591.0	15560.7	8248.9	2949.6	1224.5	543.1	418.8	383.4	347.8	344.3	340.8
47.5°	17988.6	15961.8	8270.2	2825.4	1135.8	454.3	436.6	354.9	312.3	305.2	305.2
50°	17647.8	16281.3	8454.8	2701.1	1022.2	369.1	429.5	333.6	276.9	266.2	269.7
52.5°	17690.4	16657.5	8845.2	2527.2	880.2	294.6	347.8	315.9	252.0	234.3	237.8
55°	17009.0	16260.0	8898.5	2342.7	688.6	227.1	266.2	276.9	213.0	205.9	205.9
57.5°	14641.5	13768.3	7851.4	1898.9	454.3	188.2	191.7	241.4	184.6	177.5	181.0
60°	12529.5	11053.0	6318.0	1253.0	284.0	149.1	138.4	244.9	163.3	159.7	170.4
62.5°	11422.1	9083.0	4791.7	777.4	195.2	113.6	95.8	198.8	142.0	142.0	156.2
65°	8252.4	6101.4	2786.3	408.2	138.4	88.7	71.0	113.6	117.1	120.7	127.8
67.5°	5111.2	3080.9	1174.9	198.8	92.3	60.4	46.1	71.0	78.1	78.1	85.2
70°	2523.7	1228.1	390.4	113.6	71.0	49.7	31.9	39.1	39.1	35.5	39.1
72.5°	780.9	369.1	99.4	71.0	49.7	31.9	17.8	14.2	7.1	0.0	3.5
75°	88.7	71.0	63.9	49.7	31.9	14.2	3.5	0.0	0.0	0.0	0.0
77.5°	53.2	60.4	60.4	49.7	31.9	10.6	0.0	0.0	0.0	0.0	0.0
80°	42.6	46.1	49.7	46.1	28.4	14.2	0.0	0.0	0.0	0.0	0.0
82.5°	53.2	60.4	67.4	60.4	39.1	17.8	7.1	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	10.6	3.5	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5
2.5°	7780.4	7702.3	7812.3	7649.0	7645.5	7649.0	7602.9	7560.3	7627.8	7808.8	7826.6
5°	5938.2	6105.1	6158.3	6332.2	6236.4	6094.4	6122.7	6027.0	6261.2	6364.1	6282.5
7.5°	4323.3	4312.6	4671.1	4692.4	4738.5	4742.1	4735.0	4546.8	4355.1	4397.7	4525.5
10°	3354.2	3173.2	3347.1	3329.4	3442.9	3411.0	3457.2	3254.9	3322.3	3322.3	3403.9
12.5°	2733.1	2541.4	2509.4	2463.3	2509.4	2527.2	2545.0	2505.9	2619.4	2672.7	2729.5
15°	2087.1	1980.6	1952.2	1863.5	1877.6	1927.4	1969.9	1987.7	1952.2	2033.8	2040.9
17.5°	1515.6	1512.1	1529.8	1526.2	1512.1	1501.4	1497.9	1451.7	1437.5	1444.6	1473.0
20°	1150.0	1178.4	1238.8	1299.1	1331.0	1292.0	1238.8	1160.6	1128.7	1135.8	1139.3
22.5°	983.2	1025.8	1107.4	1174.9	1206.8	1135.8	1040.0	972.6	958.3	954.8	951.3
25°	890.9	940.6	1000.9	1022.2	1018.7	976.1	905.1	876.7	869.6	862.6	830.6
27.5°	841.3	859.0	869.6	894.4	905.1	876.7	859.0	816.4	809.3	809.3	788.0
30°	812.8	802.2	816.4	798.7	812.8	791.5	795.1	795.1	777.4	784.4	784.4
32.5°	756.1	759.6	759.6	724.1	734.8	709.9	734.8	756.1	759.6	763.1	791.5
35°	553.7	617.6	649.6	649.6	660.2	642.5	638.9	614.0	582.1	550.1	536.0
37.5°	486.2	511.1	553.7	578.6	596.3	582.1	550.1	511.1	493.4	479.2	464.9
40°	433.0	454.3	482.7	511.1	546.6	528.8	479.2	461.4	440.1	440.1	426.0
42.5°	390.4	401.1	418.8	461.4	500.5	464.9	429.5	415.3	404.7	401.1	397.5
45°	351.4	354.9	372.7	408.2	454.3	418.8	383.4	365.6	369.1	372.7	369.1
47.5°	315.9	323.0	333.6	376.2	404.7	386.9	347.8	337.2	337.2	337.2	340.8
50°	273.3	291.0	312.3	347.8	369.1	358.5	326.5	312.3	305.2	305.2	308.8
52.5°	244.9	259.1	287.5	330.1	358.5	340.8	308.8	287.5	273.3	269.7	276.9
55°	213.0	237.8	284.0	315.9	354.9	337.2	301.7	276.9	252.0	248.4	248.4
57.5°	191.7	230.8	273.3	312.3	344.3	330.1	301.7	269.7	237.8	234.3	234.3
60°	181.0	223.6	266.2	301.7	344.3	323.0	298.2	262.7	227.1	227.1	223.6
62.5°	170.4	209.5	252.0	287.5	330.1	312.3	287.5	252.0	216.5	216.5	209.5
65°	142.0	181.0	209.5	241.4	287.5	269.7	244.9	220.1	191.7	184.6	188.2
67.5°	99.4	124.3	152.6	184.6	213.0	205.9	195.2	177.5	152.6	149.1	145.6
70°	49.7	67.4	92.3	124.3	149.1	142.0	134.9	120.7	106.5	103.0	103.0
72.5°	7.1	21.3	39.1	56.8	78.1	81.7	78.1	74.5	71.0	67.4	71.0
75°	0.0	0.0	0.0	14.2	31.9	39.1	46.1	53.2	53.2	46.1	56.8
77.5°	0.0	0.0	0.0	0.0	3.5	17.8	35.5	46.1	56.8	49.7	67.4
80°	0.0	0.0	0.0	0.0	3.5	21.3	35.5	49.7	56.8	49.7	71.0
82.5°	0.0	0.0	0.0	0.0	3.5	24.8	35.5	46.1	53.2	49.7	63.9
85°	0.0	0.0	0.0	0.0	10.6	21.3	14.2	7.1	3.5	3.5	10.6
87.5°	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P647004

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5	9150.5
2.5°	7925.9	8177.9	8447.6	8550.6	8870.1	9111.4	9274.7	9626.0	9679.3	9682.9
5°	6367.7	6495.5	6956.9	7173.5	7649.0	8018.2	8412.2	8980.1	9359.9	9388.2
7.5°	4525.5	4880.5	5075.7	5640.0	6225.7	6804.3	7390.0	8050.1	8490.2	8500.9
10°	3641.7	3872.4	4220.3	4642.6	5136.0	5725.2	6506.1	7272.8	7720.1	7830.1
12.5°	2931.9	3336.4	3734.0	4170.6	4546.8	4990.5	5831.7	6854.0	7223.1	7443.2
15°	2257.5	2626.6	3095.1	3606.3	4032.1	4624.9	5583.3	6751.0	7372.2	7446.7
17.5°	1664.7	1994.8	2427.8	2910.6	3549.4	4390.7	5625.9	7272.8	7858.4	7982.7
20°	1196.2	1387.9	1728.6	2289.4	3102.2	4117.3	5668.5	7801.7	8692.6	8905.5
22.5°	947.7	1025.8	1249.4	1746.3	2601.8	3829.8	5970.1	8813.3	9839.0	10147.8
25°	823.5	866.1	972.6	1377.2	2285.8	3801.5	6452.9	10027.2	11365.3	11588.9
27.5°	795.1	802.2	894.4	1263.6	2115.4	3613.3	6637.5	10889.7	12316.6	12543.7
30°	837.7	951.3	958.3	1068.4	1799.6	3240.6	6733.3	11723.8	13122.3	13289.1
32.5°	724.1	688.6	713.5	827.0	1583.1	3024.1	6914.3	12451.4	14041.6	14158.8
35°	504.0	528.8	585.7	717.0	1384.3	2797.0	6960.5	13253.6	14914.7	15035.4
37.5°	464.9	479.2	525.3	610.5	1217.5	2669.2	6896.6	13839.3	15819.9	15986.7
40°	433.0	450.8	475.6	553.7	1093.2	2527.2	6807.8	14368.1	16373.5	16785.3
42.5°	408.2	422.4	443.6	528.8	986.7	2385.3	6683.6	15113.5	16870.5	17229.0
45°	379.8	401.1	426.0	514.7	926.4	2289.4	6591.3	15067.3	17158.0	17349.6
47.5°	351.4	386.9	415.3	479.2	908.7	2243.2	6630.4	14893.4	16923.8	16792.4
50°	323.0	369.1	418.8	397.5	866.1	2151.0	6676.5	15131.2	16366.5	16341.6
52.5°	298.2	351.4	390.4	326.5	770.2	2062.2	7123.7	15443.6	16760.4	16430.4
55°	262.7	315.9	312.3	262.7	624.7	1994.8	7475.1	15450.7	16494.3	16618.5
57.5°	237.8	280.4	244.9	220.1	461.4	1668.3	6903.6	12955.4	14119.7	14339.7
60°	220.1	273.3	184.6	173.9	301.7	1203.2	6027.0	10034.3	11223.4	11638.6
62.5°	202.3	259.1	145.6	142.0	209.5	855.4	4955.0	8398.0	9672.2	10236.6
65°	177.5	184.6	117.1	110.0	149.1	461.4	3017.1	5782.1	7230.2	7439.6
67.5°	145.6	142.0	95.8	88.7	99.4	223.6	1331.0	2896.3	4191.9	4543.3
70°	117.1	117.1	81.7	71.0	71.0	103.0	347.8	1153.6	1895.4	2097.7
72.5°	85.2	88.7	63.9	56.8	53.2	49.7	56.8	230.8	496.9	635.3
75°	74.5	78.1	63.9	49.7	39.1	31.9	24.8	21.3	28.4	46.1
77.5°	81.7	81.7	67.4	46.1	35.5	24.8	14.2	7.1	7.1	3.5
80°	103.0	106.5	88.7	60.4	42.6	28.4	17.8	7.1	3.5	3.5
82.5°	110.0	120.7	99.4	74.5	53.2	31.9	17.8	3.5	0.0	0.0
85°	28.4	46.1	78.1	67.4	53.2	31.9	17.8	3.5	0.0	0.0
87.5°	0.0	3.5	10.6	10.6	14.2	14.2	10.6	3.5	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

(END OF REPORT)