

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: P648489

Luminaire Tested: **GALN-SA6B-835-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648489
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-SA6B-835-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA 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: 14606.1 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

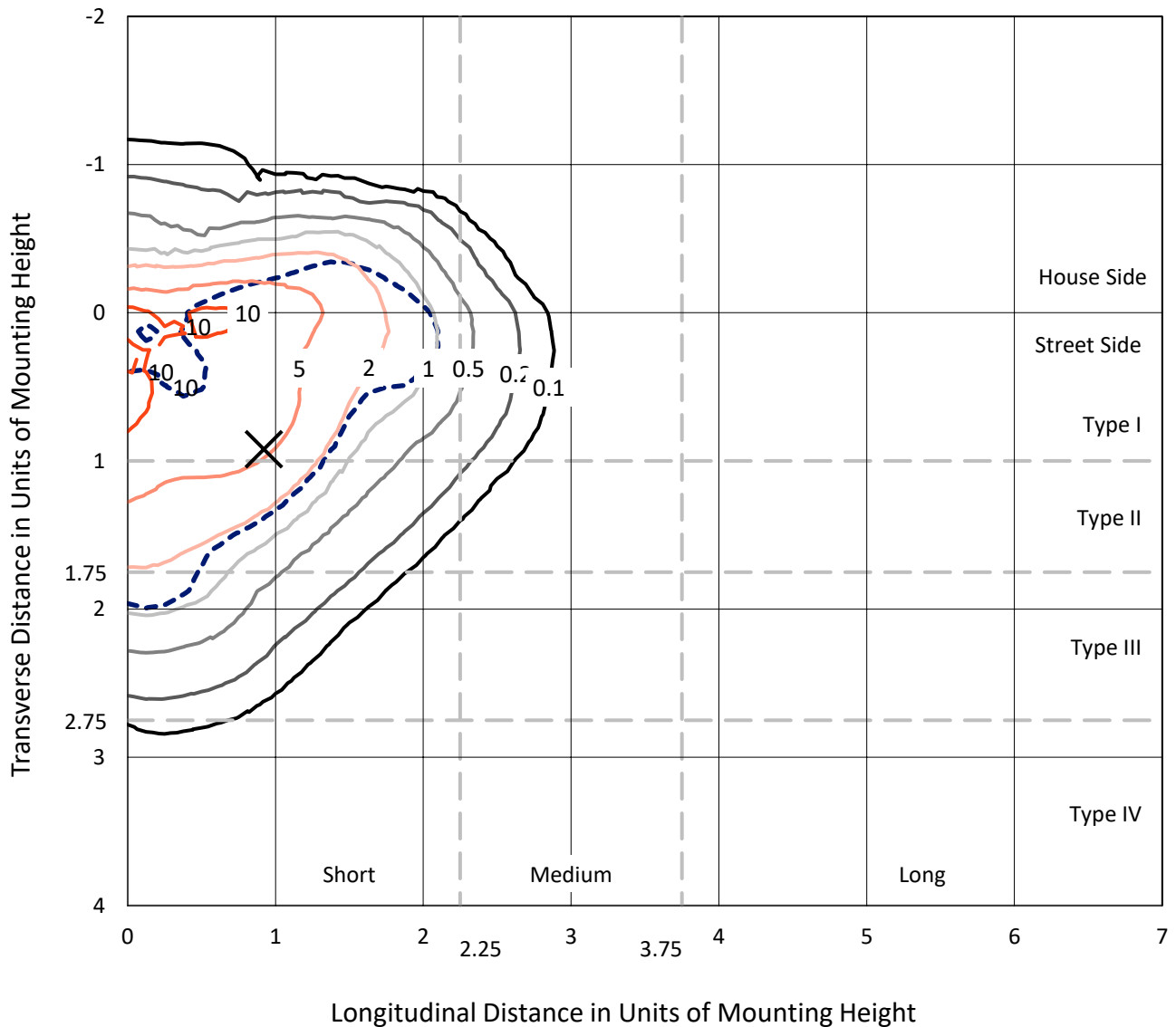
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

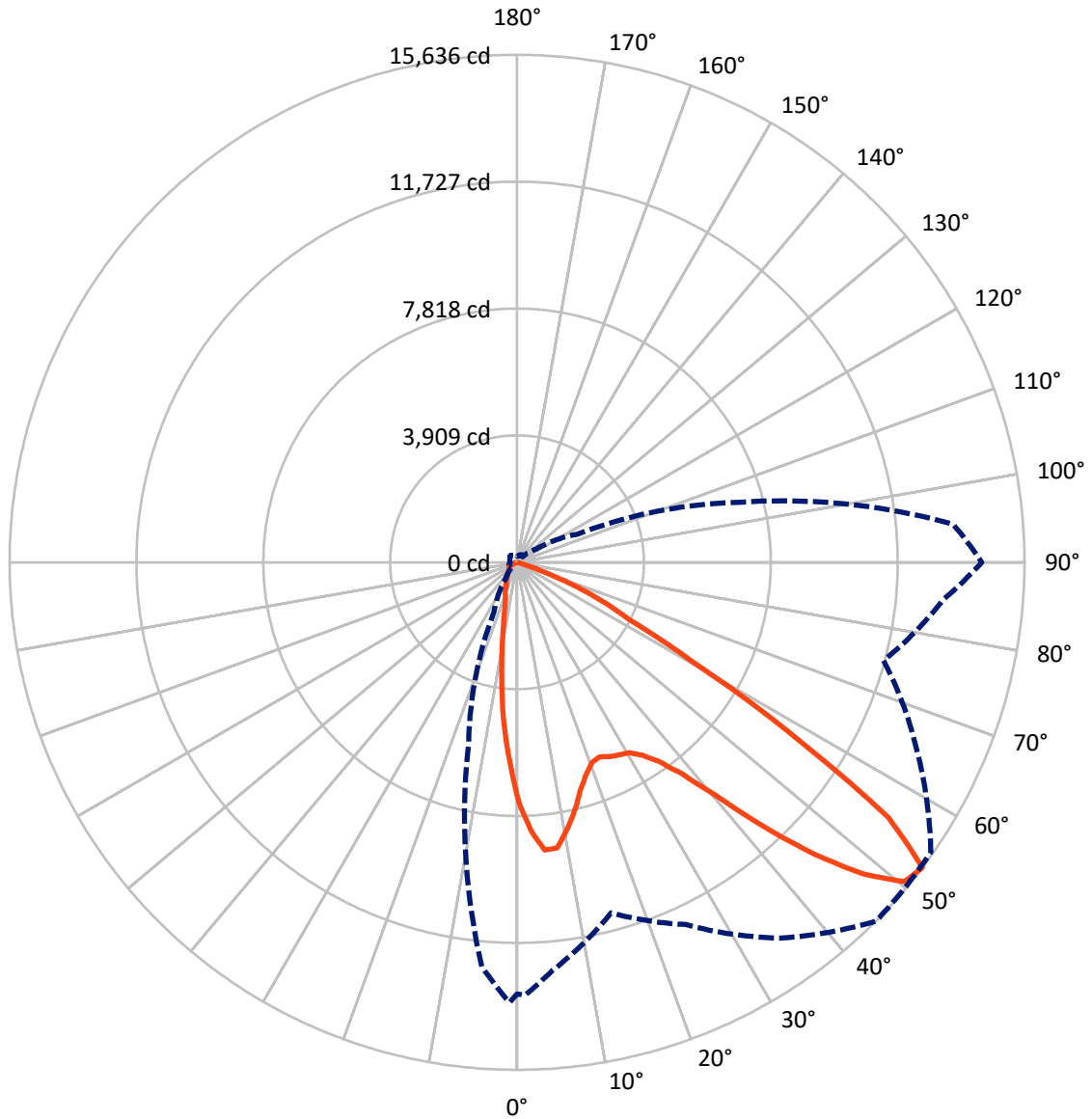
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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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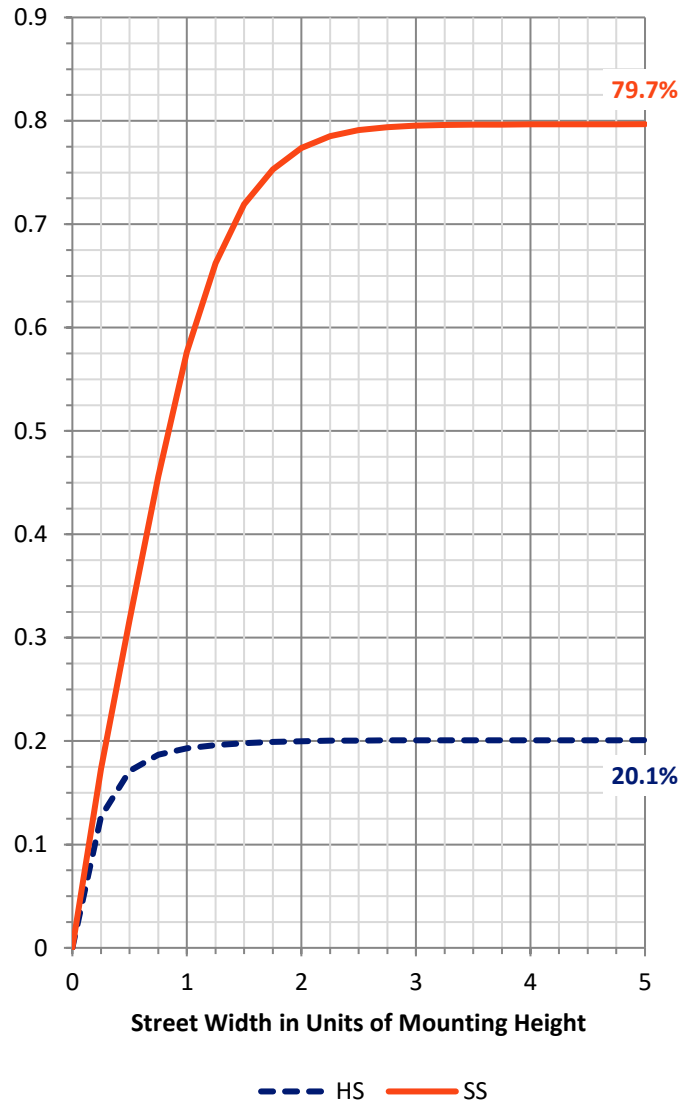
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2964.3	0.0	2964.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	11641.8	0.0	11641.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	14606.1	0.0	14606.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.1	3.7
10°-20°	1065.6	7.3
20°-30°	1621.7	11.1
30°-40°	2423.8	16.6
40°-50°	3451.7	23.6
50°-60°	3710.5	25.4
60°-70°	1644.2	11.3
70°-80°	133.0	0.9
80°-90°	15.5	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°	14606.1	100.0
0°-180°	14606.1	100.0

Coefficient of Utilization



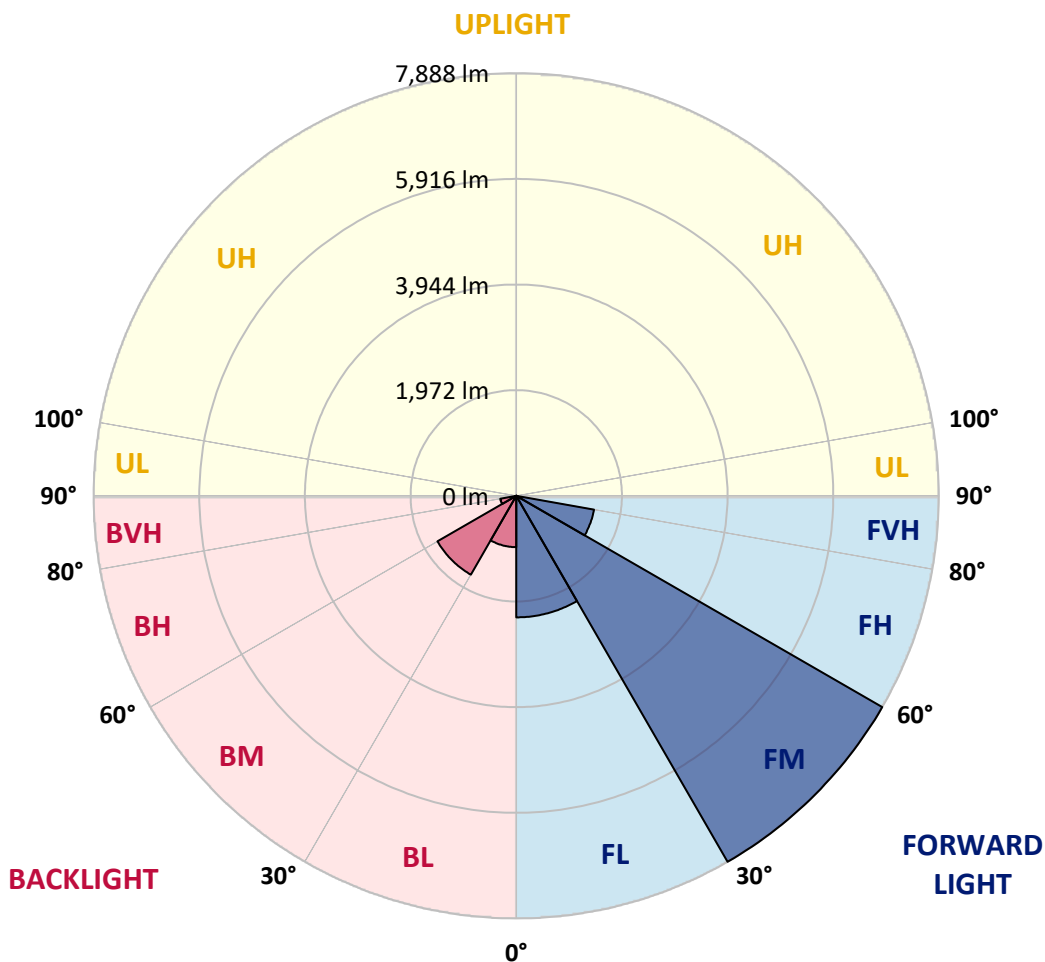
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2268.6	15.5			
FM (30°-60°)	7887.7	54.0			
FH (60°-80°)	1473.9	10.1			G1/1800
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	958.8	6.6	B2/1000		
BM (30°-60°)	1698.2	11.6	B2/2500		
BH (60°-80°)	303.3	2.1	B1/500		G1/500
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9
2.5°	7836.9	7859.8	7986.3	8144.3	8227.6	8417.2	8285.0	8319.5	8247.7	7994.9	7796.6
5°	7598.5	7595.6	7756.5	8147.1	8517.7	8894.0	8905.5	8704.5	8351.1	7963.3	7408.8
7.5°	6880.2	6992.3	7158.9	7782.3	8468.8	8750.4	8885.4	8649.9	8106.9	7552.5	6952.1
10°	6337.3	6394.8	6676.2	7428.9	7931.7	8308.0	8391.3	8256.3	7839.8	7147.4	6475.2
12.5°	6024.2	6052.9	6383.3	7015.3	7546.7	7825.4	7865.6	7928.8	7630.0	6980.8	6173.6
15°	6027.1	6050.0	6495.3	7023.9	7233.6	7158.9	7291.1	7288.2	7417.4	6949.2	6426.3
17.5°	6460.8	6486.7	6888.8	7150.3	7058.4	6883.1	6874.5	7006.7	7279.6	7342.7	6808.4
20°	7207.7	7268.0	7563.9	7549.6	7032.5	6679.1	6581.5	6682.0	7316.9	7676.0	7578.3
22.5°	8213.2	8296.5	8503.4	8106.9	7150.3	6541.3	6509.6	6705.0	7563.9	8420.1	8451.6
25°	9379.6	9520.3	9620.9	9112.4	7569.7	6779.7	6630.3	6966.4	7897.2	9227.3	9563.4
27.5°	10152.3	10298.8	10275.9	9549.1	7851.2	6842.9	6716.5	7029.6	8187.4	9419.7	10143.7
30°	10755.6	10844.6	11005.5	9784.6	8132.8	7021.0	6805.5	7296.8	8282.2	9753.0	10844.6
32.5°	11459.4	11519.7	11531.2	10201.2	8566.6	7245.1	7081.4	7630.0	8701.6	10071.9	11465.2
35°	12169.0	12258.0	12071.4	10715.4	8833.7	7661.7	7541.0	8207.5	9037.7	10402.2	12148.9
37.5°	12938.9	12984.9	12553.9	10927.9	9215.8	8339.6	8273.6	8830.8	9620.9	10999.7	12907.3
40°	13585.3	13628.3	13068.2	11189.4	9618.0	9287.6	9457.1	10020.2	10413.7	11387.6	13286.5
42.5°	13944.4	14044.9	13240.5	11045.8	10425.3	10362.1	11114.7	11312.9	11333.0	11496.8	13625.5
45°	14042.0	13996.0	12956.1	11163.5	11131.9	12128.7	12812.5	13073.9	12246.6	11697.9	13711.7
47.5°	13591.0	13651.4	12536.7	11060.1	12059.8	13467.4	14352.3	14837.8	12927.4	11522.6	13499.1
50°	13226.2	13148.6	12401.7	10985.4	12309.8	14099.5	15464.0	15573.2	13553.7	11738.1	13266.4
52.5°	13298.0	13346.8	12617.1	11183.7	12315.5	14136.8	15636.4	15561.7	13573.8	11689.3	13183.1
55°	13450.2	13234.8	12525.2	10747.0	11491.0	13094.0	13878.3	13763.3	12528.1	11169.3	12979.1
57.5°	11605.9	11939.2	11516.9	9595.0	9431.2	9865.0	9850.7	10204.1	9345.1	9612.3	11815.6
60°	9419.7	9477.2	9635.2	8207.5	6526.9	6377.5	6170.7	5946.6	6288.4	8218.9	10747.0
62.5°	8285.0	8216.1	8779.2	7466.3	4607.9	3858.1	3823.6	3961.5	4852.1	7839.8	10080.5
65°	6021.3	6107.5	6515.4	5794.4	3458.8	2944.5	2892.9	3300.8	3927.1	6282.7	7693.2
67.5°	3677.1	3843.7	3881.1	3573.7	2347.0	1864.4	1789.7	2160.3	2835.4	4064.9	4510.2
70°	1697.8	1898.9	2088.5	1950.6	1358.8	767.0	724.0	907.8	1430.6	2338.4	2393.0
72.5°	514.2	517.1	724.0	755.5	439.5	172.3	152.3	201.1	485.5	772.7	813.0
75°	37.3	40.2	97.6	112.0	83.3	43.1	46.0	54.6	103.4	172.3	129.3
77.5°	2.9	2.9	2.9	14.3	25.8	28.7	37.3	43.1	54.6	63.2	57.5
80°	2.9	0.0	2.9	11.5	20.1	28.7	34.5	40.2	43.1	48.9	43.1
82.5°	0.0	0.0	0.0	8.6	20.1	28.7	31.6	43.1	48.9	57.5	48.9
85°	0.0	0.0	0.0	8.6	20.1	31.6	28.7	14.3	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°	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9
2.5°	7831.1	7719.1	7463.4	7334.1	7029.6	6986.6	6687.8	6638.9	6538.4	6483.8	6351.7
5°	7164.7	7029.6	6613.1	6262.6	5854.6	5570.3	5352.0	5153.7	5038.8	4932.5	4981.4
7.5°	6621.7	6228.1	5765.6	5179.5	4708.4	4403.9	4070.7	3797.8	3636.9	3527.7	3553.6
10°	6052.9	5797.3	5153.7	4495.8	3927.1	3711.6	3450.2	3240.4	3013.5	2818.2	2726.2
12.5°	5874.8	5495.6	4688.4	4019.0	3588.1	3378.3	3079.6	2838.3	2548.1	2309.7	2226.4
15°	5906.4	5541.5	4561.9	3846.6	3338.2	2976.2	2619.9	2321.2	2002.3	1835.7	1749.5
17.5°	6420.6	5788.6	4645.2	3665.6	2990.5	2487.8	2048.2	1669.0	1430.6	1258.3	1220.9
20°	7052.6	6323.0	4823.4	3533.5	2706.1	1979.3	1496.7	1169.2	971.0	942.3	933.6
22.5°	7977.7	7196.2	5205.5	3444.4	2358.6	1542.7	1025.6	850.3	795.8	790.0	792.9
25°	9270.4	8290.8	5622.0	3369.7	2097.1	1189.3	838.8	721.1	703.8	695.2	709.6
27.5°	9830.6	8951.5	5843.2	3208.9	1858.7	1071.5	827.3	715.3	666.5	652.1	660.7
30°	10522.9	9391.1	6190.8	2933.1	1508.2	882.0	772.7	778.5	755.5	683.7	660.7
32.5°	11442.2	9939.7	6366.0	2737.8	1347.3	729.7	566.0	520.0	580.3	591.8	611.9
35°	12031.1	10497.1	6455.1	2622.8	1264.0	623.4	479.7	436.7	422.3	425.2	436.7
37.5°	13125.6	11249.7	6567.1	2502.2	1200.8	542.9	433.8	393.5	373.5	373.5	384.9
40°	13780.6	11847.3	6719.4	2436.1	1137.6	494.2	393.5	359.1	341.9	341.9	347.6
42.5°	13944.4	12143.2	6667.6	2413.1	1065.8	482.6	359.1	333.2	313.1	310.2	307.4
45°	14237.4	12594.2	6676.2	2387.3	991.1	439.5	339.0	310.2	281.6	278.7	275.8
47.5°	14559.1	12918.8	6693.6	2286.8	919.3	367.7	353.4	287.3	252.8	247.0	247.0
50°	14283.3	13177.3	6842.9	2186.1	827.3	298.8	347.6	270.1	224.1	215.5	218.3
52.5°	14317.8	13481.9	7158.9	2045.4	712.5	238.4	281.6	255.6	204.0	189.6	192.5
55°	13766.2	13160.1	7202.0	1896.0	557.3	183.8	215.5	224.1	172.3	166.6	166.6
57.5°	11850.1	11143.4	6354.5	1537.0	367.7	152.3	155.1	195.4	149.4	143.6	146.5
60°	10140.8	8945.8	5113.5	1014.1	229.8	120.7	112.0	198.3	132.2	129.3	137.9
62.5°	9244.5	7351.4	3878.2	629.1	158.0	91.9	77.6	160.9	114.9	114.9	126.4
65°	6679.1	4938.3	2255.1	330.3	112.0	71.8	57.5	91.9	94.8	97.6	103.4
67.5°	4136.7	2493.5	950.9	160.9	74.7	48.9	37.3	57.5	63.2	63.2	69.0
70°	2042.5	993.9	316.0	91.9	57.5	40.2	25.8	31.6	31.6	28.7	31.6
72.5°	632.0	298.8	80.4	57.5	40.2	25.8	14.3	11.5	5.7	0.0	2.9
75°	71.8	57.5	51.7	40.2	25.8	11.5	2.9	0.0	0.0	0.0	0.0
77.5°	43.1	48.9	48.9	40.2	25.8	8.6	0.0	0.0	0.0	0.0	0.0
80°	34.5	37.3	40.2	37.3	23.0	11.5	0.0	0.0	0.0	0.0	0.0
82.5°	43.1	48.9	54.6	48.9	31.6	14.3	5.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.6	2.9	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°	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9
2.5°	6297.0	6233.9	6323.0	6190.8	6187.9	6190.8	6153.4	6119.0	6173.6	6320.1	6334.4
5°	4806.1	4941.1	4984.3	5125.0	5047.5	4932.5	4955.5	4877.9	5067.6	5150.9	5084.8
7.5°	3499.0	3490.4	3780.6	3797.8	3835.1	3838.0	3832.2	3680.0	3524.9	3559.4	3662.8
10°	2714.7	2568.2	2709.0	2694.6	2786.5	2760.7	2798.1	2634.3	2688.9	2688.9	2755.0
12.5°	2212.1	2056.9	2031.0	1993.7	2031.0	2045.4	2059.8	2028.1	2120.1	2163.2	2209.2
15°	1689.2	1603.0	1580.0	1508.2	1519.7	1559.9	1594.3	1608.8	1580.0	1646.1	1651.8
17.5°	1226.6	1223.8	1238.2	1235.3	1223.8	1215.1	1212.3	1175.0	1163.5	1169.2	1192.2
20°	930.8	953.8	1002.6	1051.4	1077.3	1045.7	1002.6	939.4	913.5	919.3	922.1
22.5°	795.8	830.2	896.3	950.9	976.7	919.3	841.7	787.1	775.6	772.7	769.9
25°	721.1	761.3	810.1	827.3	824.5	790.0	732.6	709.6	703.8	698.0	672.2
27.5°	680.8	695.2	703.8	724.0	732.6	709.6	695.2	660.7	655.0	655.0	637.8
30°	657.9	649.3	660.7	646.4	657.9	640.7	643.5	643.5	629.1	634.9	634.9
32.5°	611.9	614.7	614.7	586.1	594.7	574.6	594.7	611.9	614.7	617.6	640.7
35°	448.1	499.9	525.7	525.7	534.3	520.0	517.1	497.0	471.1	445.3	433.8
37.5°	393.5	413.7	448.1	468.2	482.6	471.1	445.3	413.7	399.3	387.8	376.3
40°	350.5	367.7	390.7	413.7	442.4	428.1	387.8	373.5	356.2	356.2	344.8
42.5°	316.0	324.6	339.0	373.5	405.0	376.3	347.6	336.1	327.5	324.6	321.7
45°	284.4	287.3	301.6	330.3	367.7	339.0	310.2	295.9	298.8	301.6	298.8
47.5°	255.6	261.4	270.1	304.5	327.5	313.1	281.6	272.9	272.9	272.9	275.8
50°	221.2	235.6	252.8	281.6	298.8	290.2	264.3	252.8	247.0	247.0	249.9
52.5°	198.3	209.7	232.7	267.2	290.2	275.8	249.9	232.7	221.2	218.3	224.1
55°	172.3	192.5	229.8	255.6	287.3	272.9	244.2	224.1	204.0	201.1	201.1
57.5°	155.1	186.7	221.2	252.8	278.7	267.2	244.2	218.3	192.5	189.6	189.6
60°	146.5	181.0	215.5	244.2	278.7	261.4	241.3	212.6	183.8	183.8	181.0
62.5°	137.9	169.5	204.0	232.7	267.2	252.8	232.7	204.0	175.2	175.2	169.5
65°	114.9	146.5	169.5	195.4	232.7	218.3	198.3	178.1	155.1	149.4	152.3
67.5°	80.4	100.5	123.6	149.4	172.3	166.6	158.0	143.6	123.6	120.7	117.8
70°	40.2	54.6	74.7	100.5	120.7	114.9	109.2	97.6	86.2	83.3	83.3
72.5°	5.7	17.2	31.6	46.0	63.2	66.1	63.2	60.3	57.5	54.6	57.5
75°	0.0	0.0	0.0	11.5	25.8	31.6	37.3	43.1	43.1	37.3	46.0
77.5°	0.0	0.0	0.0	0.0	2.9	14.3	28.7	37.3	46.0	40.2	54.6
80°	0.0	0.0	0.0	0.0	2.9	17.2	28.7	40.2	46.0	40.2	57.5
82.5°	0.0	0.0	0.0	0.0	2.9	20.1	28.7	37.3	43.1	40.2	51.7
85°	0.0	0.0	0.0	0.0	8.6	17.2	11.5	5.7	2.9	2.9	8.6
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: P648489

CATALOG NUMBER: GALN-SA6B-835-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9	7405.9
2.5°	6414.9	6618.9	6837.2	6920.5	7179.0	7374.4	7506.5	7790.9	7834.0	7836.9
5°	5153.7	5257.1	5630.6	5805.9	6190.8	6489.6	6808.4	7268.0	7575.4	7598.5
7.5°	3662.8	3950.0	4108.0	4564.8	5038.8	5507.1	5981.1	6515.4	6871.6	6880.2
10°	2947.4	3134.2	3415.7	3757.5	4156.9	4633.7	5265.8	5886.3	6248.3	6337.3
12.5°	2372.9	2700.4	3022.1	3375.5	3680.0	4039.1	4719.9	5547.3	5846.0	6024.2
15°	1827.1	2125.8	2505.1	2918.7	3263.5	3743.2	4518.8	5464.0	5966.7	6027.1
17.5°	1347.3	1614.5	1964.9	2355.7	2872.7	3553.6	4553.3	5886.3	6360.3	6460.8
20°	968.1	1123.2	1399.1	1852.9	2510.8	3332.4	4587.8	6314.3	7035.4	7207.7
22.5°	767.0	830.2	1011.2	1413.4	2105.7	3099.7	4832.0	7133.1	7963.3	8213.2
25°	666.5	700.9	787.1	1114.6	1850.1	3076.7	5222.7	8115.6	9198.5	9379.6
27.5°	643.5	649.3	724.0	1022.7	1712.2	2924.4	5372.1	8813.6	9968.5	10152.3
30°	678.0	769.9	775.6	864.7	1456.5	2622.8	5449.6	9488.7	10620.6	10755.6
32.5°	586.1	557.3	577.5	669.4	1281.2	2447.6	5596.1	10077.6	11364.6	11459.4
35°	407.9	428.1	474.0	580.3	1120.4	2263.7	5633.5	10726.9	12071.4	12169.0
37.5°	376.3	387.8	425.2	494.2	985.3	2160.3	5581.8	11200.9	12803.9	12938.9
40°	350.5	364.9	384.9	448.1	884.8	2045.4	5510.0	11628.9	13252.0	13585.3
42.5°	330.3	341.9	359.1	428.1	798.7	1930.5	5409.4	12232.2	13654.2	13944.4
45°	307.4	324.6	344.8	416.6	749.8	1852.9	5334.7	12194.8	13886.9	14042.0
47.5°	284.4	313.1	336.1	387.8	735.4	1815.5	5366.3	12054.1	13697.3	13591.0
50°	261.4	298.8	339.0	321.7	700.9	1740.9	5403.6	12246.6	13246.2	13226.2
52.5°	241.3	284.4	316.0	264.3	623.4	1669.0	5765.6	12499.3	13565.2	13298.0
55°	212.6	255.6	252.8	212.6	505.6	1614.5	6050.0	12505.1	13349.7	13450.2
57.5°	192.5	226.9	198.3	178.1	373.5	1350.2	5587.5	10485.5	11427.8	11605.9
60°	178.1	221.2	149.4	140.8	244.2	973.9	4877.9	8121.3	9083.7	9419.7
62.5°	163.7	209.7	117.8	114.9	169.5	692.3	4010.4	6796.9	7828.3	8285.0
65°	143.6	149.4	94.8	89.0	120.7	373.5	2441.9	4679.8	5851.8	6021.3
67.5°	117.8	114.9	77.6	71.8	80.4	181.0	1077.3	2344.1	3392.7	3677.1
70°	94.8	94.8	66.1	57.5	57.5	83.3	281.6	933.6	1534.1	1697.8
72.5°	69.0	71.8	51.7	46.0	43.1	40.2	46.0	186.7	402.1	514.2
75°	60.3	63.2	51.7	40.2	31.6	25.8	20.1	17.2	23.0	37.3
77.5°	66.1	66.1	54.6	37.3	28.7	20.1	11.5	5.7	5.7	2.9
80°	83.3	86.2	71.8	48.9	34.5	23.0	14.3	5.7	2.9	2.9
82.5°	89.0	97.6	80.4	60.3	43.1	25.8	14.3	2.9	0.0	0.0
85°	23.0	37.3	63.2	54.6	43.1	25.8	14.3	2.9	0.0	0.0
87.5°	0.0	2.9	8.6	8.6	11.5	11.5	8.6	2.9	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)