

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: P647008

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
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-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT 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

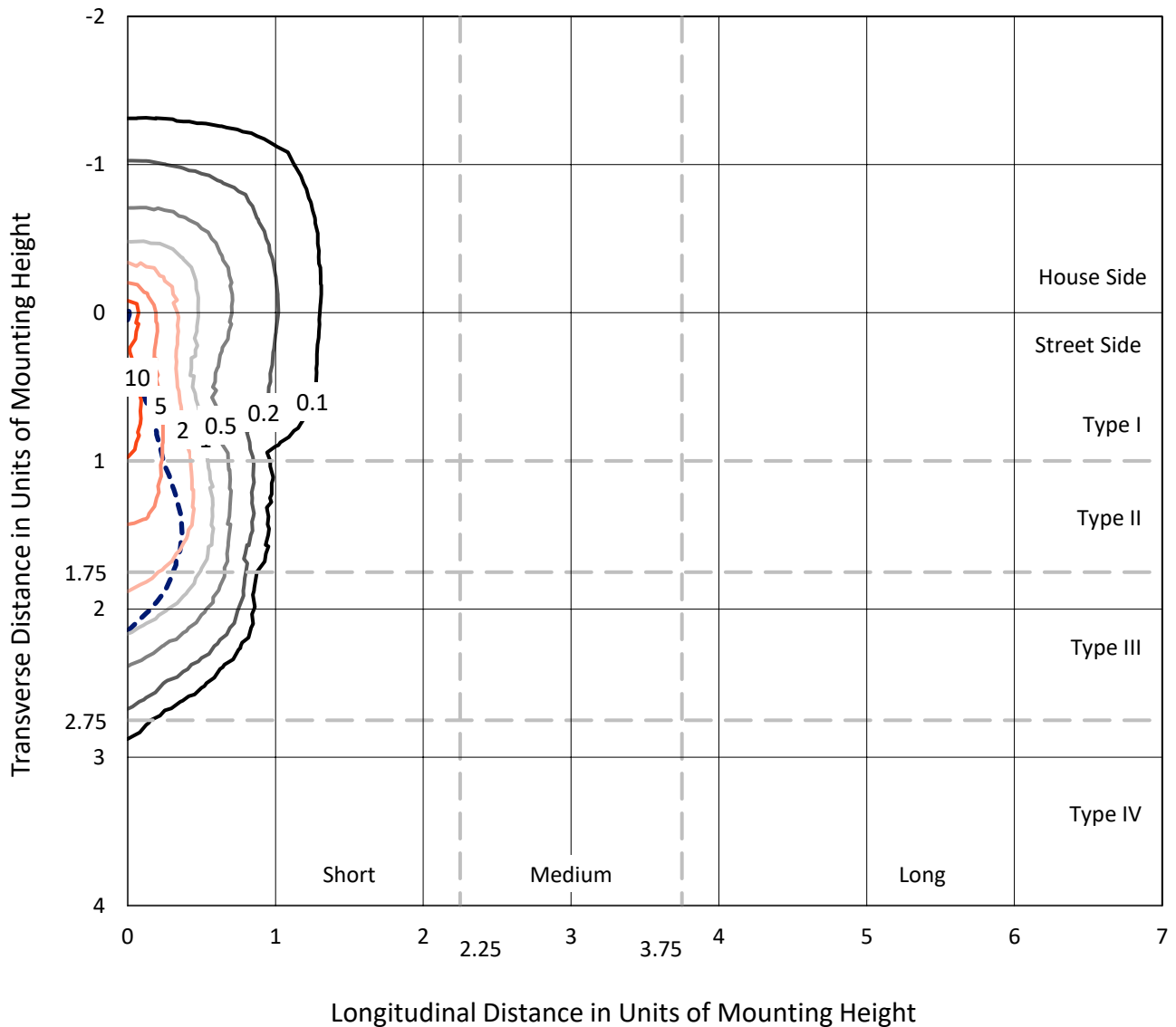
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P647008  
 CATALOG NUMBER: GALN-SA6C-835-U-SLR-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

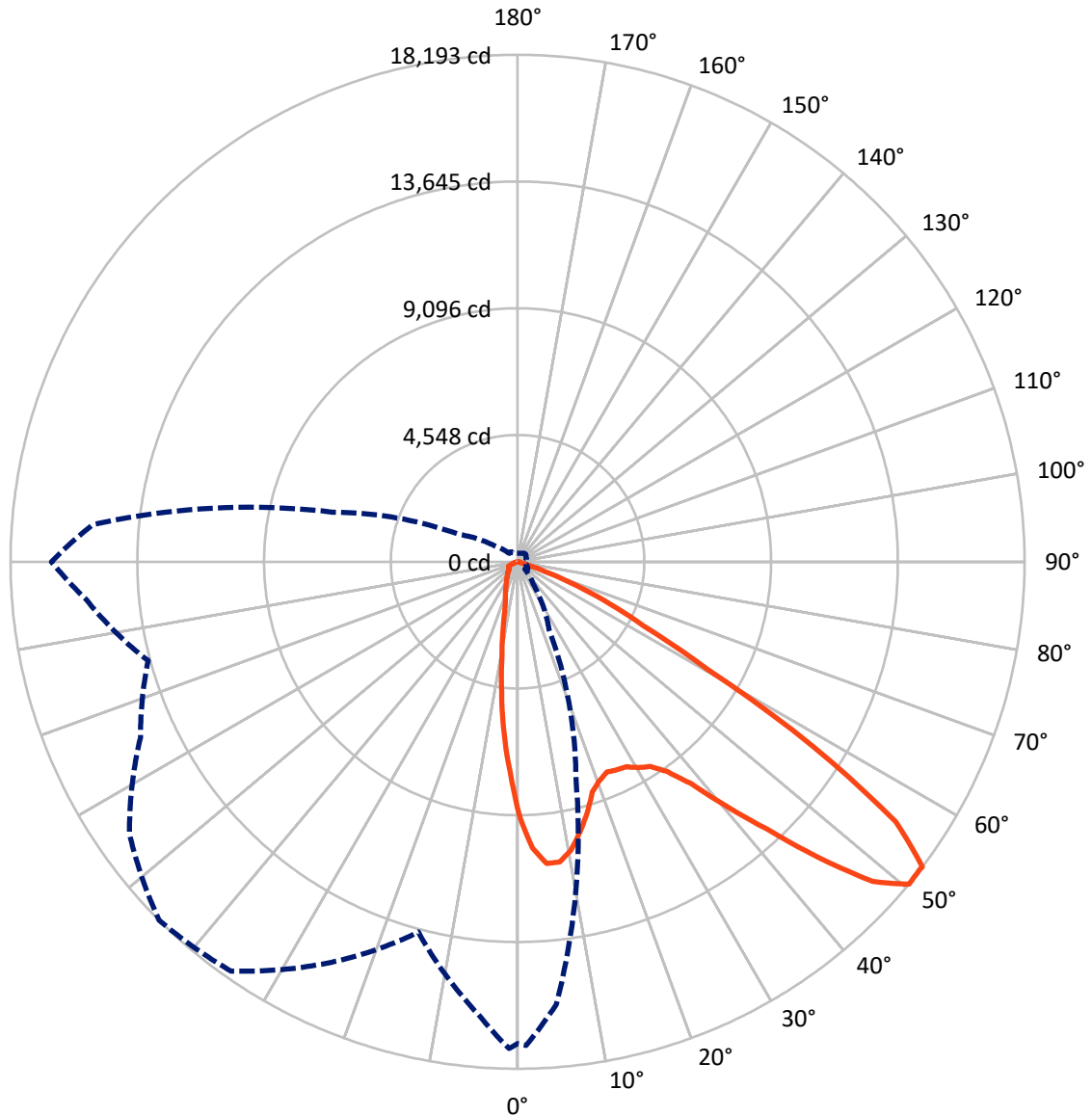
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P647008  
CATALOG NUMBER: GALN-SA6C-835-U-SLR-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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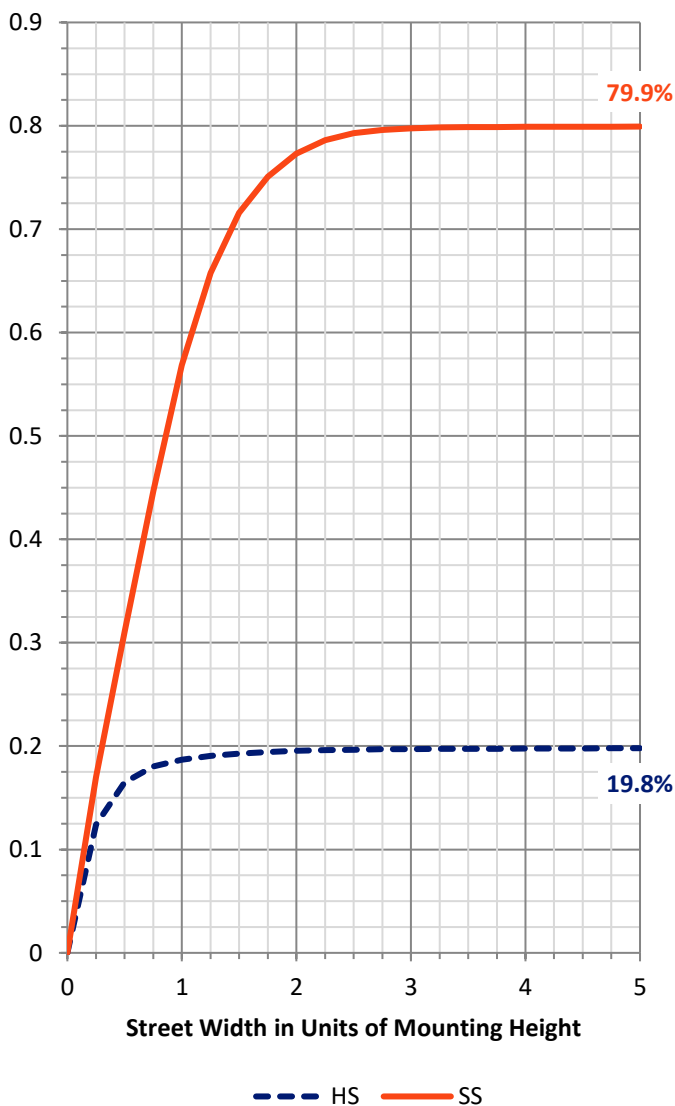
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3614.7	0.0	3614.7
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	14431.9	0.0	14431.9
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	18046.6	0.0	18046.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	667.1	3.7
10°-20°	1325.8	7.3
20°-30°	1991.7	11.0
30°-40°	2989.5	16.6
40°-50°	4201.6	23.3
50°-60°	4532.1	25.1
60°-70°	2104.3	11.7
70°-80°	198.0	1.1
80°-90°	36.5	0.2
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**

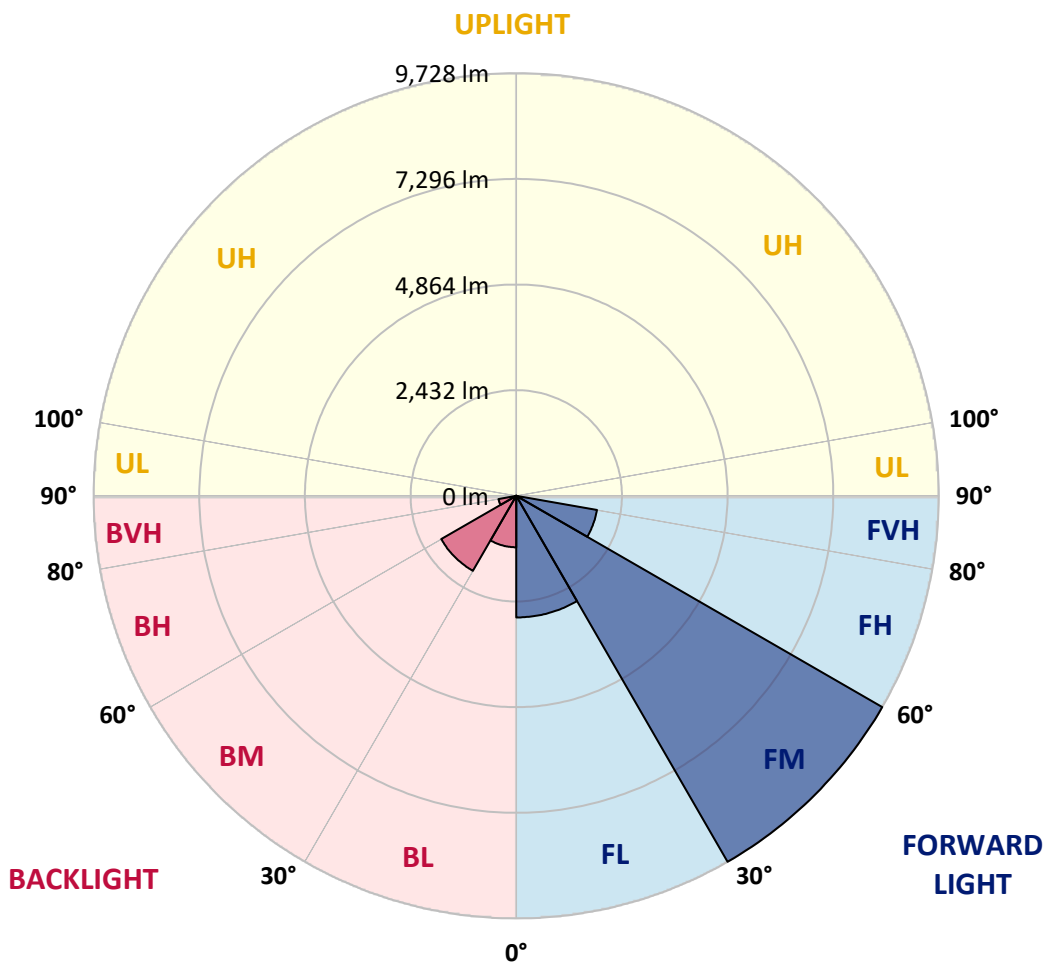


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 CATALOG NUMBER: GALN-SA6C-835-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2799.8	15.5			
FM (30°-60°)	9728.5	53.9			
FH (60°-80°)	1887.2	10.5			G2/5000
FVH (80°-90°)	16.4	0.1			G1/100
BL (0°-30°)	1184.8	6.6	B3/2500		
BM (30°-60°)	1994.8	11.1	B2/2500		
BH (60°-80°)	415.1	2.3	B1/500		G1/500
BVH (80°-90°)	20.1	0.1			G1/100
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°	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9
2.5°	9513.5	9366.7	9180.5	9026.6	8797.4	8335.5	8210.2	8059.8	7934.5	7766.2	7529.9
5°	8650.6	8604.1	8518.1	7938.1	7519.1	6960.6	6502.3	6308.9	6054.7	5847.1	5696.6
7.5°	7991.8	7805.6	7533.5	6949.8	6280.3	5682.3	5173.9	4876.7	4540.1	4425.6	4221.5
10°	7286.4	7329.4	6928.4	6108.4	5299.2	4815.8	4500.8	4214.3	3910.0	3709.5	3419.4
12.5°	7060.9	6921.2	6613.3	5600.0	4908.9	4457.8	4074.7	3720.2	3397.9	3075.7	2796.4
15°	7207.7	6992.8	6563.2	5492.6	4608.2	4046.0	3566.3	3086.4	2789.3	2377.5	2087.5
17.5°	7734.0	7562.1	6985.7	5607.1	4454.2	3652.1	2939.6	2445.5	1990.8	1618.4	1471.6
20°	8611.2	8367.8	7644.5	5754.0	4225.1	3175.9	2384.6	1775.9	1346.3	1188.8	1106.4
22.5°	9470.5	9338.1	8425.0	6036.8	4020.9	2753.4	1790.3	1195.9	1006.2	977.5	923.8
25°	11106.9	10709.4	9617.4	6548.9	3863.4	2356.0	1349.9	963.2	852.1	830.7	837.9
27.5°	12080.8	11747.8	10720.2	6889.0	3688.0	2051.7	1142.2	884.4	809.2	762.6	744.8
30°	13015.3	12628.6	11268.0	7089.5	3312.0	1729.4	1013.3	848.6	830.7	762.6	741.2
32.5°	13735.0	13355.5	12059.3	7390.3	3158.1	1521.8	834.3	662.4	615.8	608.7	673.1
35°	14837.8	14433.2	12736.0	7554.9	3039.9	1414.3	723.3	590.8	537.1	515.6	519.2
37.5°	15865.5	15589.8	13362.6	7619.5	2914.6	1382.1	648.1	529.9	483.3	469.0	465.5
40°	16724.7	16108.9	13957.0	7687.4	2860.8	1321.2	601.5	483.3	451.2	429.6	429.6
42.5°	17118.7	16492.0	14623.0	7648.0	2846.5	1224.5	601.5	444.0	418.9	397.5	393.8
45°	17032.7	16778.4	14920.1	7630.2	2846.5	1127.9	547.8	433.2	397.5	368.8	361.7
47.5°	17254.7	16921.7	15292.5	7705.3	2789.3	1059.9	461.9	454.8	376.0	340.1	333.0
50°	17294.0	17358.5	15940.6	8095.6	2663.9	973.9	361.7	447.6	361.7	308.0	300.8
52°	17551.9	17150.8	16137.6	8303.3	2531.4	909.5	304.4	383.1	347.3	286.4	279.3
52.5°	17197.4	17458.8	16184.1	8378.5	2545.8	866.5	293.6	376.0	340.1	286.4	268.6
55°	16800.0	17050.6	15994.3	8539.6	2334.5	680.3	229.2	272.1	308.0	250.6	239.9
57.5°	14601.5	14855.7	13899.7	7819.9	1901.3	479.8	189.8	204.1	272.1	232.7	222.0
60°	12979.5	12796.9	11665.4	6523.8	1349.9	268.6	150.4	157.5	297.1	214.9	211.3
62.5°	11862.4	11472.1	9749.8	5037.8	823.6	179.0	118.2	121.8	229.2	200.5	200.5
65°	8775.9	8339.1	6477.2	3047.0	404.6	125.4	89.5	96.7	143.2	171.9	171.9
67.5°	5009.2	4840.9	3129.4	1374.9	168.3	78.8	68.0	75.2	111.0	139.6	132.5
70°	2302.3	2065.9	1203.1	290.0	78.8	53.7	53.7	60.8	89.5	103.8	96.7
72.5°	673.1	637.4	293.6	46.5	32.3	32.3	35.8	46.5	68.0	78.8	71.6
75°	50.1	32.3	21.5	14.3	14.3	21.5	28.7	46.5	68.0	75.2	60.8
77.5°	3.6	7.1	3.6	3.6	10.7	21.5	32.3	57.3	89.5	93.1	68.0
80°	3.6	3.6	0.0	3.6	10.7	21.5	35.8	64.4	100.2	107.4	57.3
82.5°	0.0	0.0	0.0	3.6	14.3	28.7	43.0	68.0	93.1	114.6	60.8
85°	0.0	0.0	0.0	3.6	21.5	39.4	50.1	17.9	10.7	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



REPORT NUMBER: P647008

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9
2.5°	7698.2	7605.1	7569.3	7601.5	7590.8	7580.1	7777.0	7734.0	7726.8	7791.3	7777.0
5°	5779.0	5614.3	6065.4	5882.8	6072.6	6187.2	6208.6	6219.4	6351.9	6212.2	6394.8
7.5°	4117.6	4160.6	4157.0	4278.8	4497.2	4690.6	4805.1	4715.6	4708.4	4690.6	4611.7
10°	3290.6	3215.3	3201.0	3172.4	3240.4	3405.1	3544.7	3433.8	3355.0	3462.4	3430.2
12.5°	2689.0	2585.2	2527.8	2413.3	2416.9	2527.8	2527.8	2527.8	2606.6	2667.5	2714.0
15°	2062.4	1976.4	1976.4	1861.9	1836.8	1840.4	1897.7	1904.9	2030.2	2065.9	2083.9
17.5°	1443.0	1396.4	1450.1	1496.7	1468.0	1475.2	1496.7	1503.8	1521.8	1507.4	1543.2
20°	1110.0	1102.8	1117.1	1199.5	1260.3	1296.2	1271.1	1235.3	1213.8	1163.7	1163.7
22.5°	941.7	956.0	981.1	1049.1	1127.9	1149.4	1120.7	1038.3	973.9	966.8	970.3
25°	837.9	852.1	891.5	934.5	977.5	1013.3	984.6	923.8	888.0	855.7	855.7
27.5°	773.4	780.6	802.0	834.3	870.1	898.7	888.0	855.7	816.4	802.0	769.8
30°	723.3	734.0	759.0	766.2	798.4	812.8	794.9	787.7	762.6	744.8	734.0
32.5°	698.2	694.6	712.5	719.7	723.3	734.0	712.5	723.3	719.7	691.1	680.3
35°	526.3	555.0	601.5	640.9	651.7	666.0	662.4	648.1	608.7	576.4	537.1
37.5°	472.6	490.5	515.6	547.8	590.8	608.7	601.5	565.7	519.2	497.7	490.5
40°	436.8	447.6	469.0	490.5	533.5	565.7	540.7	508.4	472.6	454.8	444.0
42.5°	404.6	408.2	418.9	440.4	472.6	522.7	479.8	436.8	422.5	411.8	404.6
45°	368.8	368.8	383.1	393.8	429.6	476.2	433.2	393.8	386.7	379.5	376.0
47.5°	340.1	343.7	350.9	365.2	393.8	426.1	397.5	365.2	347.3	343.7	336.5
50°	304.4	308.0	322.3	336.5	372.4	390.2	372.4	336.5	318.7	308.0	308.0
52°	275.7	286.4	300.8	329.4	354.5	383.1	361.7	322.3	300.8	290.0	282.9
52.5°	272.1	279.3	293.6	325.8	354.5	379.5	358.1	318.7	293.6	286.4	279.3
55°	243.5	254.2	279.3	318.7	350.9	379.5	350.9	315.1	279.3	261.4	254.2
57.5°	232.7	239.9	272.1	322.3	347.3	379.5	350.9	315.1	279.3	247.0	239.9
60°	222.0	236.3	272.1	311.5	343.7	383.1	354.5	311.5	272.1	232.7	232.7
62.5°	211.3	222.0	268.6	304.4	329.4	368.8	340.1	304.4	261.4	222.0	218.4
65°	182.6	200.5	236.3	254.2	282.9	318.7	290.0	265.0	229.2	196.9	193.3
67.5°	139.6	146.8	175.5	196.9	214.9	247.0	232.7	200.5	175.5	150.4	150.4
70°	96.7	103.8	125.4	136.1	153.9	171.9	161.1	136.1	118.2	103.8	100.2
72.5°	68.0	71.6	78.8	85.9	93.1	100.2	96.7	78.8	68.0	64.4	60.8
75°	53.7	60.8	64.4	60.8	57.3	53.7	53.7	46.5	39.4	35.8	35.8
77.5°	53.7	57.3	53.7	46.5	39.4	35.8	32.3	28.7	21.5	17.9	21.5
80°	46.5	46.5	46.5	39.4	35.8	32.3	28.7	25.1	21.5	17.9	17.9
82.5°	50.1	50.1	46.5	39.4	39.4	32.3	32.3	28.7	25.1	17.9	17.9
85°	0.0	0.0	0.0	7.1	17.9	32.3	32.3	28.7	25.1	21.5	21.5
87.5°	0.0	0.0	0.0	0.0	3.6	7.1	14.3	17.9	21.5	21.5	21.5
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°	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9
2.5°	7905.9	8042.0	8299.7	8557.5	8715.1	8901.2	9237.8	9416.8	9649.6	9764.2	9989.7
5°	6369.8	6692.1	6806.6	7100.2	7415.3	7730.4	8231.7	8783.1	9241.4	9556.5	9964.7
7.5°	4647.6	4722.7	5166.7	5363.7	5879.2	6452.2	7136.0	7830.7	8410.8	8926.4	9237.8
10°	3483.9	3759.6	4038.9	4414.8	4830.2	5420.9	6076.2	6842.4	7594.3	8109.9	8503.8
12.5°	2800.0	3018.4	3390.8	3795.4	4307.4	4697.7	5356.5	6115.6	7089.5	7594.3	8113.5
15°	2119.7	2399.0	2821.5	3240.4	3781.0	4192.8	4858.8	5814.8	7068.0	7762.7	8210.2
17.5°	1571.9	1761.6	2141.2	2610.2	3161.6	3741.6	4640.4	5782.6	7307.9	8135.0	8596.9
20°	1203.1	1267.5	1507.4	1926.3	2524.3	3283.4	4285.9	5922.2	8016.8	9040.9	9509.9
22.5°	973.9	1002.6	1095.7	1385.7	1965.7	2882.4	4117.6	6018.9	8815.3	10125.8	10752.4
25°	848.6	841.4	902.3	1027.6	1536.1	2506.4	3902.8	6384.1	9792.8	11400.5	11962.6
27.5°	773.4	773.4	802.0	891.5	1274.6	2262.9	3766.8	6645.5	10777.4	12521.2	12825.5
30°	734.0	741.2	823.6	852.1	1059.9	1972.8	3541.2	6910.4	11719.2	13237.3	13656.2
32.5°	680.3	651.7	633.8	705.4	891.5	1711.5	3315.6	7021.5	12481.8	14114.5	14472.6
35°	522.7	508.4	529.9	583.6	766.2	1489.5	3065.0	7146.8	13359.1	15131.4	15203.0
37.5°	472.6	469.0	483.3	529.9	644.5	1296.2	2885.9	7114.6	14028.6	15972.8	15779.5
40°	436.8	436.8	447.6	486.9	576.4	1160.1	2699.7	7085.9	14676.7	16918.1	16352.4
42.5°	408.2	408.2	426.1	451.2	547.8	1070.6	2560.1	7046.5	15220.9	17498.2	16688.9
45°	368.8	379.5	408.2	433.2	555.0	1009.7	2456.3	6896.1	15407.1	17491.0	16527.8
47.5°	340.1	354.5	383.1	418.9	501.3	991.8	2384.6	6763.6	15342.7	17061.3	16023.0
50°	308.0	325.8	365.2	426.1	426.1	956.0	2309.5	6881.8	15296.1	16728.3	15539.6
52°	286.4	300.8	350.9	415.4	372.4	880.8	2262.9	7111.0	15485.9	16685.3	15324.8
52.5°	282.9	293.6	340.1	408.2	354.5	866.5	2230.7	7164.7	15546.8	16578.0	15471.5
55°	250.6	265.0	311.5	318.7	290.0	712.5	2126.9	7286.4	15246.0	16366.7	15331.9
57.5°	236.3	243.5	275.7	261.4	250.6	537.1	1829.6	7096.6	13541.7	14537.0	14264.9
60°	218.4	225.6	257.8	204.1	211.3	376.0	1374.9	6162.1	10874.1	12113.0	12603.6
62.5°	211.3	207.7	243.5	164.7	179.0	272.1	970.3	5009.2	8378.5	9971.8	10820.4
65°	186.2	182.6	175.5	139.6	153.9	211.3	580.0	3269.0	5904.4	7544.2	8009.7
67.5°	143.2	150.4	128.9	111.0	128.9	164.7	322.3	1464.4	3097.2	4525.8	4901.8
70°	100.2	107.4	103.8	96.7	114.6	136.1	186.2	501.3	1281.8	2377.5	2620.9
72.5°	60.8	75.2	78.8	82.4	100.2	118.2	132.5	161.1	340.1	841.4	1045.5
75°	35.8	50.1	60.8	71.6	82.4	100.2	111.0	114.6	118.2	157.5	254.2
77.5°	25.1	35.8	53.7	68.0	82.4	100.2	118.2	125.4	118.2	111.0	118.2
80°	21.5	35.8	50.1	64.4	85.9	103.8	118.2	118.2	114.6	100.2	107.4
82.5°	21.5	35.8	53.7	68.0	82.4	100.2	114.6	118.2	107.4	100.2	103.8
85°	25.1	39.4	57.3	71.6	89.5	82.4	75.2	60.8	57.3	46.5	50.1
87.5°	25.1	35.8	35.8	39.4	43.0	43.0	43.0	39.4	32.3	28.7	28.7
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: P647008

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

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9	9151.9
2.5°	10000.5	10286.9	10276.2	10283.4	10240.4	9950.4	9810.7	9456.2	9556.5	9513.5
5°	10383.6	10666.5	10909.9	10881.3	10551.9	10158.0	9574.4	9023.0	8872.6	8650.6
7.5°	10000.5	10680.8	10906.3	10874.1	10387.2	9882.3	8951.4	8399.9	8138.6	7991.8
10°	9391.8	10179.5	10458.8	10516.1	10186.7	9420.4	8564.7	7680.3	7540.7	7286.4
12.5°	9044.5	9617.4	9789.2	9943.2	9828.6	9255.8	8271.1	7422.4	7229.1	7060.9
15°	8761.6	9101.7	9173.4	9348.8	9416.8	9109.0	8425.0	7701.7	7225.5	7207.7
17.5°	9023.0	8883.4	8622.0	8675.7	8890.5	9112.5	8822.5	8253.2	7791.3	7734.0
20°	9456.2	8840.4	8249.6	8382.1	8561.1	9241.4	9424.0	9023.0	8758.0	8611.2
22.5°	9954.0	8915.6	8131.5	8195.9	8536.0	9531.5	10397.9	10175.9	9681.8	9470.5
25°	10874.1	9123.3	8224.6	8267.5	8733.0	9936.0	11278.7	11443.5	11149.8	11106.9
27.5°	11772.9	9660.3	8428.6	8332.0	8833.3	10329.9	11812.3	12696.7	12181.1	12080.8
30°	12231.2	10097.2	8733.0	8568.3	9248.6	10569.8	12134.5	13513.0	13061.8	13015.3
32.5°	12933.0	10494.6	8969.3	8758.0	9481.3	10866.9	12736.0	14404.5	13967.7	13735.0
35°	13226.6	10927.9	9488.5	9241.4	10147.3	11282.3	13043.9	15199.4	15063.4	14837.8
37.5°	13792.3	11393.4	10100.8	10086.4	10952.9	11823.0	13598.9	16280.8	16255.7	15865.5
40°	13838.8	11901.8	11067.5	11518.6	12198.9	12764.7	14085.9	16581.5	16989.7	16724.7
42.5°	13910.5	12793.3	12739.6	13112.0	13695.6	13573.9	14103.8	16653.2	17276.2	17118.7
45°	13942.6	13684.9	14440.4	15127.9	15371.3	14633.7	13935.5	16517.1	17426.5	17032.7
47.5°	13684.9	14451.1	15815.3	17143.7	17215.3	15285.4	13863.9	16377.5	17516.1	17254.7
50°	13720.7	14930.9	17004.0	18192.8	17931.4	15861.9	13752.9	16291.5	17469.5	17294.0
52°	13634.8	14941.7	17172.4	18171.3	17988.7	15543.2	13563.1	15962.1	17426.5	17551.9
52.5°	13731.4	14877.2	16996.9	18185.6	17949.3	15700.7	13538.1	16144.7	17451.6	17197.4
55°	13398.5	14111.0	15969.3	16474.1	16438.3	14250.6	12768.2	15539.6	16796.4	16800.0
57.5°	12109.4	12231.2	12524.8	12514.1	12349.3	11203.6	10920.7	14290.0	14973.9	14601.5
60°	10670.0	8954.9	8163.6	7841.4	7658.8	7472.6	9660.3	13072.6	13137.0	12979.5
62.5°	9219.9	6208.6	5156.0	5066.5	5109.5	5789.7	9338.1	12589.2	12202.5	11862.4
65°	7440.4	4525.8	3745.2	3627.1	4046.0	4780.1	7558.5	9653.1	9058.8	8775.9
67.5°	4672.6	3301.3	2531.4	2309.5	2814.3	3290.6	4966.3	6065.4	5399.5	5009.2
70°	2771.4	1844.0	1145.8	1027.6	1156.5	1754.5	2782.1	3025.6	2502.8	2302.3
72.5°	1092.1	676.7	318.7	272.1	282.9	615.8	1024.0	999.0	755.5	673.1
75°	293.6	204.1	111.0	89.5	75.2	114.6	164.7	107.4	39.4	50.1
77.5°	136.1	121.8	96.7	75.2	57.3	43.0	21.5	7.1	7.1	3.6
80°	118.2	103.8	89.5	75.2	57.3	35.8	17.9	3.6	3.6	3.6
82.5°	111.0	96.7	82.4	68.0	53.7	35.8	17.9	3.6	0.0	0.0
85°	46.5	60.8	68.0	64.4	57.3	35.8	17.9	3.6	0.0	0.0
87.5°	25.1	21.5	17.9	14.3	10.7	7.1	7.1	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

(END OF REPORT)