

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: P531019

Luminaire Tested: **GALN-SA6B-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531019  
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-SA6B-735-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA 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: 17377 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

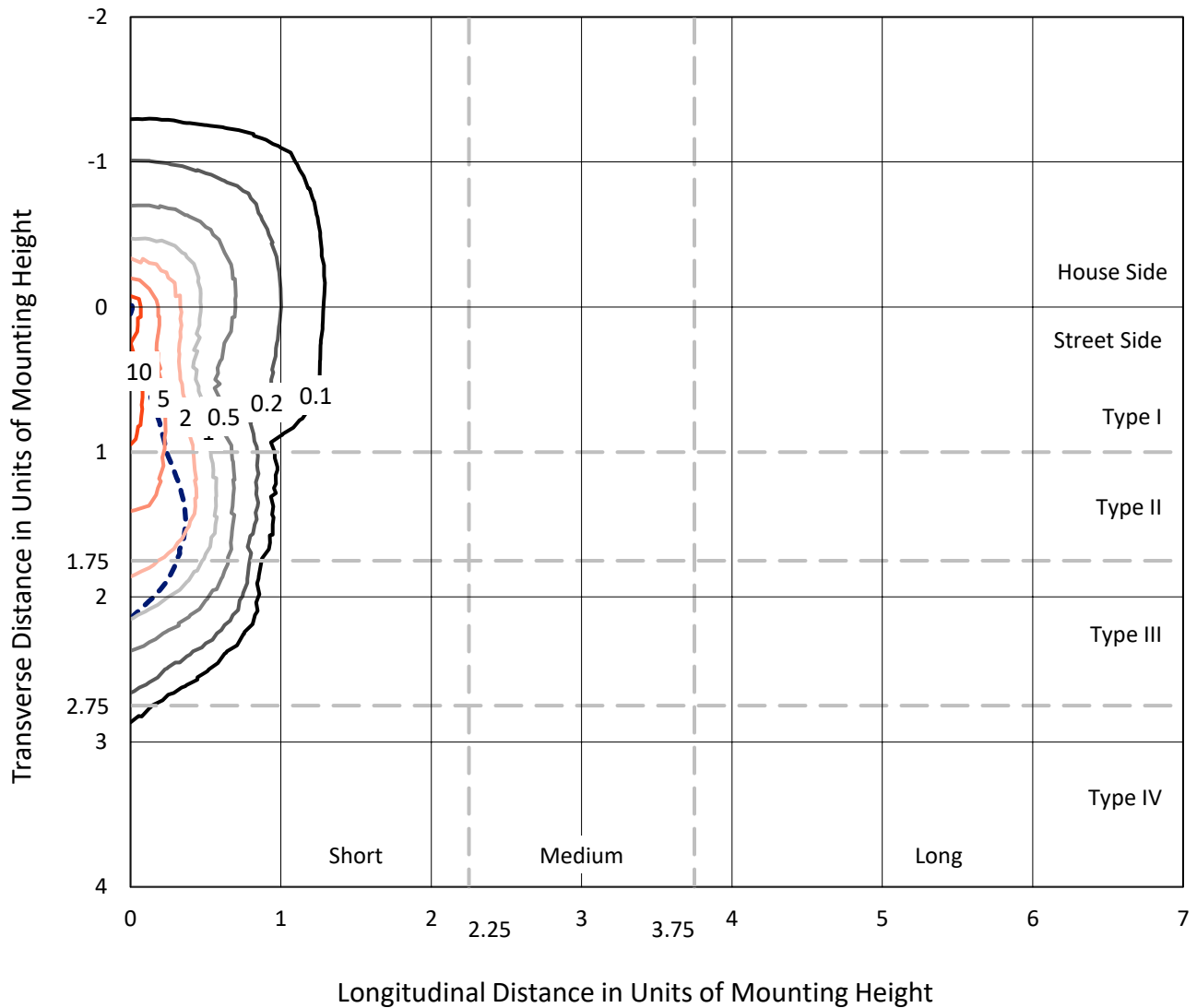
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P531019  
 CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

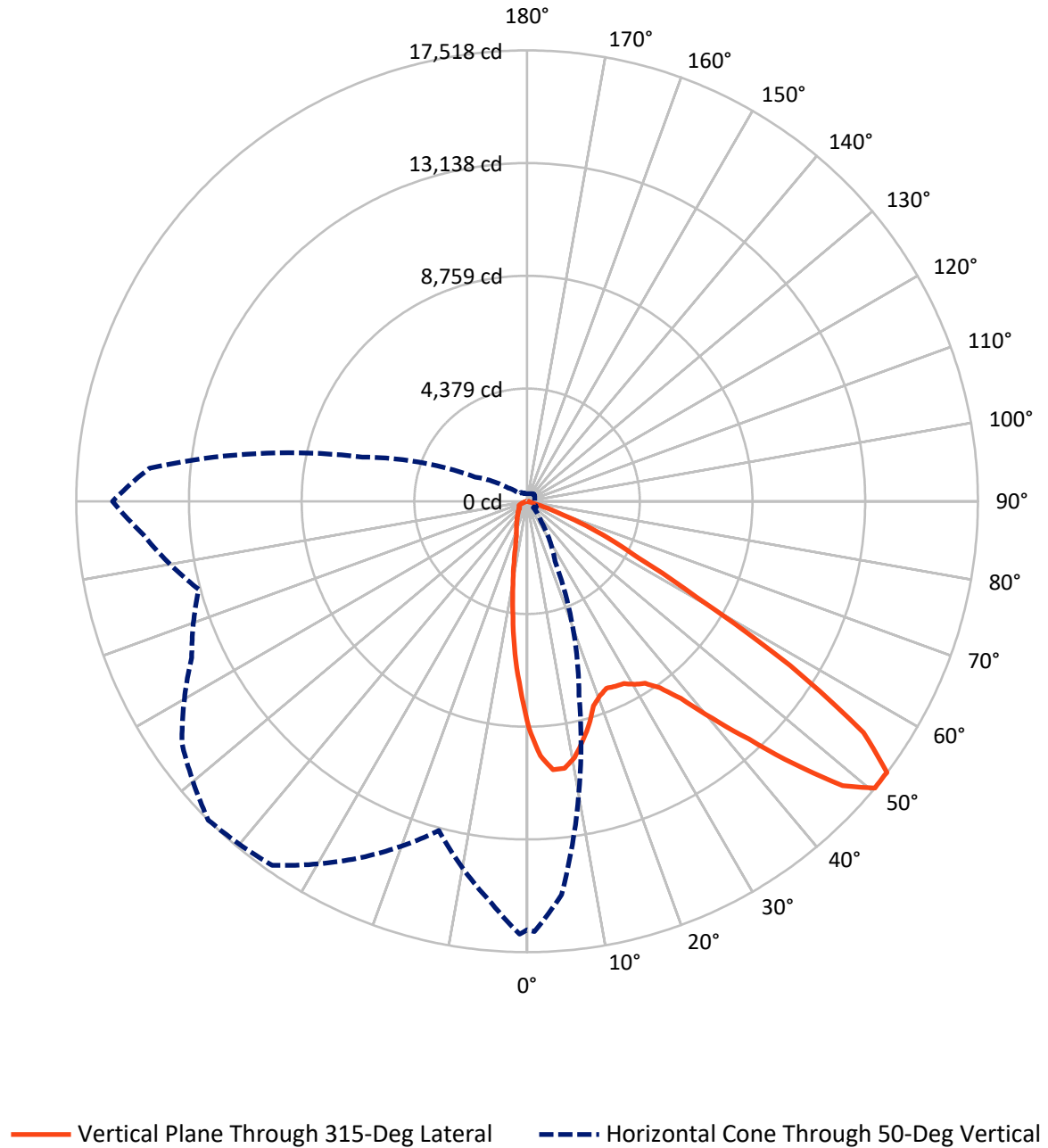
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P531019  
CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

### Luminous Intensity Polar Plot



REPORT NUMBER: P531019  
 CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

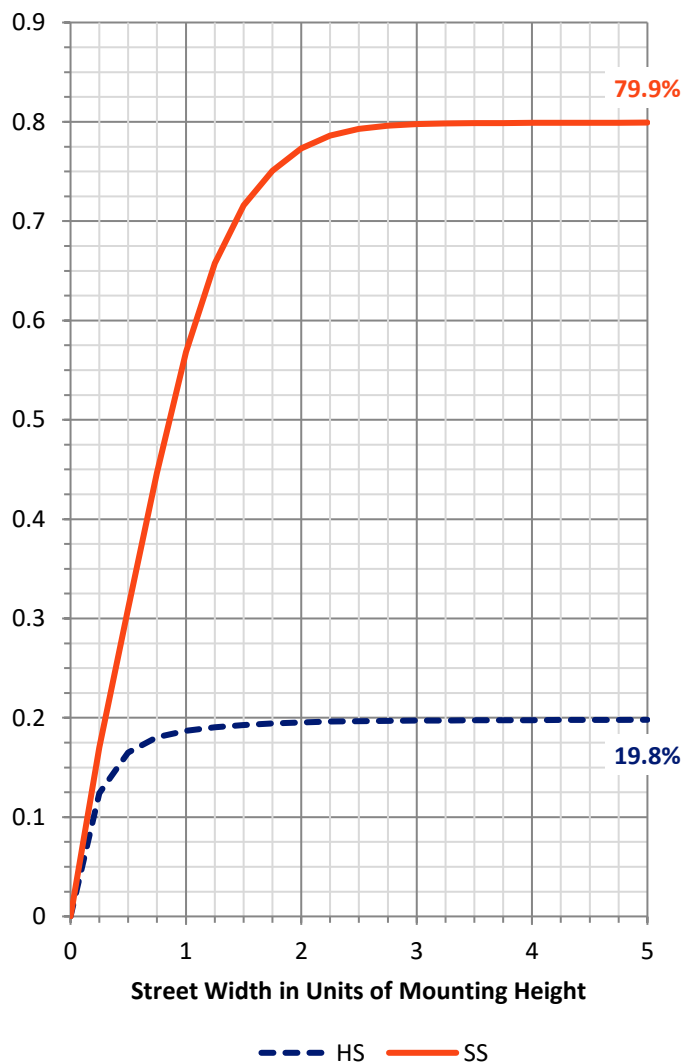
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3480.6	0.0	3480.6
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	13896.4	0.0	13896.4
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	17377.0	0.0	17377.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	642.3	3.7
10°-20°	1276.6	7.3
20°-30°	1917.8	11.0
30°-40°	2878.6	16.6
40°-50°	4045.7	23.3
50°-60°	4364.0	25.1
60°-70°	2026.2	11.7
70°-80°	190.6	1.1
80°-90°	35.1	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°	17377.0	100.0
0°-180°	17377.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531019

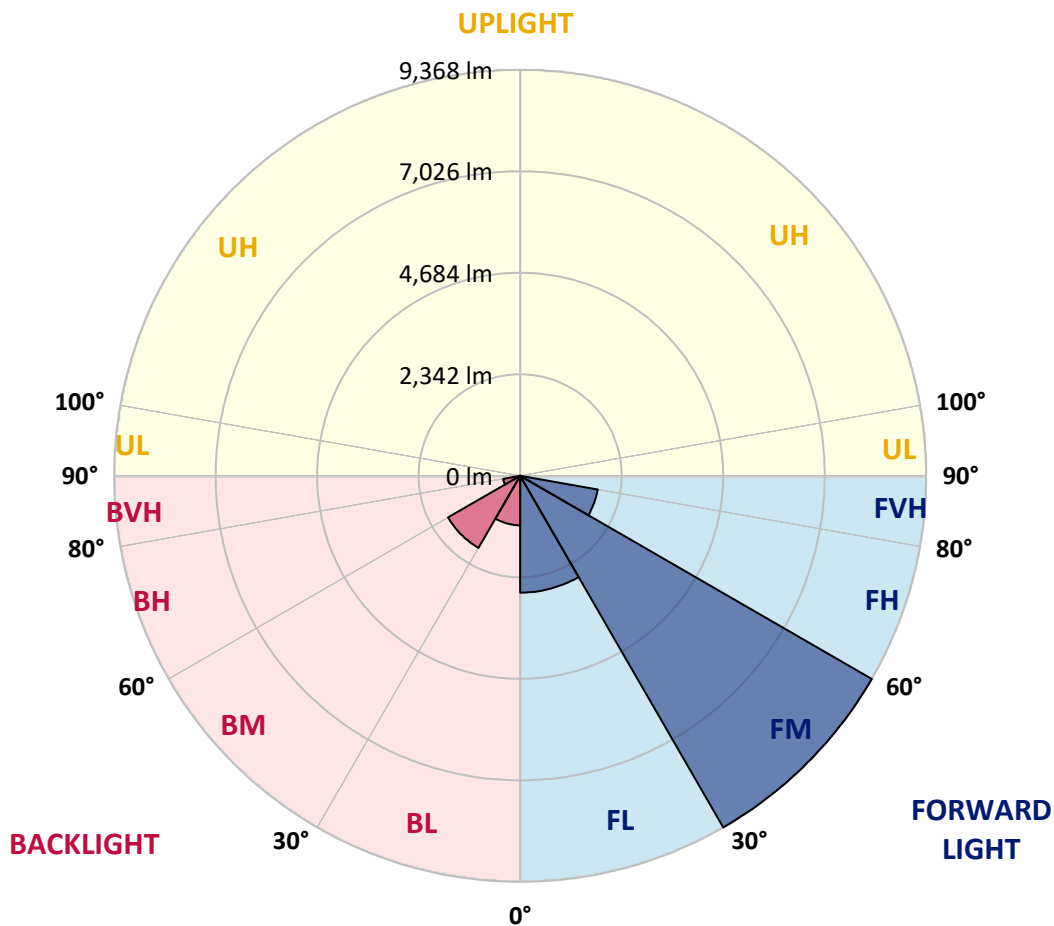
CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2695.9	15.5			
FM (30°-60°)	9367.5	53.9			
FH (60°-80°)	1817.2	10.5			G2/5000
FVH (80°-90°)	15.8	0.1			G1/100
BL (0°-30°)	1140.9	6.6	B3/2500		
BM (30°-60°)	1920.8	11.1	B2/2500		
BH (60°-80°)	399.7	2.3	B1/500		G1/500
BVH (80°-90°)	19.3	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





REPORT NUMBER: P531019

CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3
2.5°	9160.5	9019.2	8839.9	8691.7	8471.0	8026.3	7905.6	7760.8	7640.1	7478.1	7250.5
5°	8329.7	8284.8	8202.1	7643.6	7240.2	6702.3	6261.0	6074.9	5830.1	5630.1	5485.3
7.5°	7695.3	7516.0	7254.0	6692.0	6047.3	5471.5	4981.9	4695.8	4371.7	4261.4	4064.8
10°	7016.1	7057.4	6671.3	5881.8	5102.6	4637.2	4333.8	4057.9	3764.9	3571.8	3292.6
12.5°	6798.9	6664.4	6367.9	5392.2	4726.8	4292.4	3923.5	3582.2	3271.9	2961.6	2692.7
15°	6940.2	6733.4	6319.6	5288.8	4437.2	3895.9	3433.9	2971.9	2685.8	2289.3	2010.0
17.5°	7447.0	7281.5	6726.5	5399.1	4288.9	3516.7	2830.6	2354.8	1916.9	1558.4	1417.0
20°	8291.7	8057.3	7360.8	5540.5	4068.3	3058.1	2296.2	1710.1	1296.3	1144.6	1065.3
22.5°	9119.2	8991.6	8112.4	5812.8	3871.8	2651.3	1723.9	1151.5	968.8	941.2	889.5
25°	10694.8	10312.1	9260.5	6305.8	3720.1	2268.6	1299.8	927.4	820.6	799.9	806.8
27.5°	11632.6	11311.9	10322.4	6633.4	3551.1	1975.5	1099.8	851.6	779.2	734.4	717.1
30°	12532.4	12160.0	10849.9	6826.5	3189.1	1665.2	975.7	817.1	799.9	734.4	713.7
32.5°	13225.4	12859.9	11611.9	7116.1	3040.9	1465.3	803.3	637.8	593.0	586.1	648.2
35°	14287.3	13897.7	12263.5	7274.7	2927.1	1361.8	696.4	568.9	517.2	496.5	499.9
37.5°	15276.8	15011.3	12866.8	7336.7	2806.4	1330.8	624.0	510.3	465.4	451.6	448.2
40°	16104.2	15511.2	13439.1	7402.2	2754.7	1272.2	579.2	465.4	434.4	413.7	413.7
42.5°	16483.5	15880.1	14080.4	7364.3	2740.9	1179.1	579.2	427.5	403.4	382.7	379.2
45°	16400.7	16155.9	14366.6	7347.1	2740.9	1086.0	527.5	417.2	382.7	355.1	348.2
47.5°	16614.5	16293.8	14725.1	7419.5	2685.8	1020.5	444.8	437.9	362.0	327.5	320.6
50°	16652.4	16714.5	15349.2	7795.3	2565.1	937.8	348.2	431.0	348.2	296.5	289.6
52°	16900.6	16514.5	15538.8	7995.2	2437.5	875.7	293.1	368.9	334.4	275.8	268.9
52.5°	16559.3	16811.0	15583.6	8067.6	2451.3	834.3	282.7	362.0	327.5	275.8	258.6
55°	16176.6	16418.0	15400.9	8222.8	2247.9	655.1	220.7	262.0	296.5	241.3	231.0
57.5°	14059.7	14304.5	13384.0	7529.8	1830.7	462.0	182.7	196.5	262.0	224.1	213.8
60°	12497.9	12322.1	11232.6	6281.7	1299.8	258.6	144.8	151.7	286.2	206.9	203.4
62.5°	11422.2	11046.4	9388.1	4850.9	793.0	172.4	113.8	117.2	220.7	193.1	193.1
65°	8450.3	8029.7	6236.9	2934.0	389.6	120.7	86.2	93.1	137.9	165.5	165.5
67.5°	4823.3	4661.3	3013.3	1323.9	162.0	75.8	65.5	72.4	106.9	134.5	127.6
70°	2216.9	1989.3	1158.4	279.3	75.8	51.7	51.7	58.6	86.2	100.0	93.1
72.5°	648.2	613.7	282.7	44.8	31.0	31.0	34.5	44.8	65.5	75.8	69.0
75°	48.3	31.0	20.7	13.8	13.8	20.7	27.6	44.8	65.5	72.4	58.6
77.5°	3.4	6.9	3.4	3.4	10.3	20.7	31.0	55.2	86.2	89.6	65.5
80°	3.4	3.4	0.0	3.4	10.3	20.7	34.5	62.1	96.5	103.4	55.2
82.5°	0.0	0.0	0.0	3.4	13.8	27.6	41.4	65.5	89.6	110.3	58.6
85°	0.0	0.0	0.0	3.4	20.7	37.9	48.3	17.2	10.3	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: P531019

CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3
2.5°	7412.6	7322.9	7288.4	7319.5	7309.1	7298.8	7488.4	7447.0	7440.1	7502.2	7488.4
5°	5564.6	5406.0	5840.4	5664.6	5847.3	5957.6	5978.3	5988.7	6116.2	5981.8	6157.6
7.5°	3964.9	4006.2	4002.8	4120.0	4330.3	4516.5	4626.8	4540.6	4533.7	4516.5	4440.6
10°	3168.4	3096.0	3082.2	3054.7	3120.2	3278.8	3413.2	3306.3	3230.5	3333.9	3302.9
12.5°	2589.2	2489.2	2434.1	2323.8	2327.2	2434.1	2434.1	2434.1	2509.9	2568.5	2613.4
15°	1985.9	1903.1	1903.1	1792.8	1768.7	1772.1	1827.3	1834.2	1954.8	1989.3	2006.6
17.5°	1389.4	1344.6	1396.3	1441.1	1413.6	1420.5	1441.1	1448.0	1465.3	1451.5	1486.0
20°	1068.8	1061.9	1075.7	1155.0	1213.6	1248.1	1223.9	1189.5	1168.8	1120.5	1120.5
22.5°	906.7	920.5	944.7	1010.2	1086.0	1106.7	1079.1	999.8	937.8	930.9	934.3
25°	806.8	820.6	858.5	899.9	941.2	975.7	948.1	889.5	855.0	824.0	824.0
27.5°	744.7	751.6	772.3	803.3	837.8	865.4	855.0	824.0	786.1	772.3	741.3
30°	696.4	706.8	730.9	737.8	768.8	782.6	765.4	758.5	734.4	717.1	706.8
32.5°	672.3	668.9	686.1	693.0	696.4	706.8	686.1	696.4	693.0	665.4	655.1
35°	506.8	534.4	579.2	617.1	627.5	641.3	637.8	624.0	586.1	555.1	517.2
37.5°	455.1	472.3	496.5	527.5	568.9	586.1	579.2	544.7	499.9	479.2	472.3
40°	420.6	431.0	451.6	472.3	513.7	544.7	520.6	489.6	455.1	437.9	427.5
42.5°	389.6	393.0	403.4	424.1	455.1	503.4	462.0	420.6	406.8	396.5	389.6
45°	355.1	355.1	368.9	379.2	413.7	458.5	417.2	379.2	372.4	365.5	362.0
47.5°	327.5	331.0	337.9	351.7	379.2	410.3	382.7	351.7	334.4	331.0	324.1
50°	293.1	296.5	310.3	324.1	358.6	375.8	358.6	324.1	306.8	296.5	296.5
52°	265.5	275.8	289.6	317.2	341.3	368.9	348.2	310.3	289.6	279.3	272.4
52.5°	262.0	268.9	282.7	313.7	341.3	365.5	344.8	306.8	282.7	275.8	268.9
55°	234.4	244.8	268.9	306.8	337.9	365.5	337.9	303.4	268.9	251.7	244.8
57.5°	224.1	231.0	262.0	310.3	334.4	365.5	337.9	303.4	268.9	237.9	231.0
60°	213.8	227.5	262.0	300.0	331.0	368.9	341.3	300.0	262.0	224.1	224.1
62.5°	203.4	213.8	258.6	293.1	317.2	355.1	327.5	293.1	251.7	213.8	210.3
65°	175.8	193.1	227.5	244.8	272.4	306.8	279.3	255.1	220.7	189.6	186.2
67.5°	134.5	141.4	168.9	189.6	206.9	237.9	224.1	193.1	168.9	144.8	144.8
70°	93.1	100.0	120.7	131.0	148.3	165.5	155.1	131.0	113.8	100.0	96.5
72.5°	65.5	69.0	75.8	82.7	89.6	96.5	93.1	75.8	65.5	62.1	58.6
75°	51.7	58.6	62.1	58.6	55.2	51.7	51.7	44.8	37.9	34.5	34.5
77.5°	51.7	55.2	51.7	44.8	37.9	34.5	31.0	27.6	20.7	17.2	20.7
80°	44.8	44.8	44.8	37.9	34.5	31.0	27.6	24.1	20.7	17.2	17.2
82.5°	48.3	48.3	44.8	37.9	37.9	31.0	31.0	27.6	24.1	17.2	17.2
85°	0.0	0.0	0.0	6.9	17.2	31.0	31.0	27.6	24.1	20.7	20.7
87.5°	0.0	0.0	0.0	0.0	3.4	6.9	13.8	17.2	20.7	20.7	20.7
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: P531019

CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3
2.5°	7612.5	7743.5	7991.8	8240.0	8391.7	8571.0	8895.1	9067.5	9291.6	9401.9	9619.1
5°	6133.5	6443.8	6554.1	6836.8	7140.2	7443.6	7926.3	8457.2	8898.5	9201.9	9595.0
7.5°	4475.1	4547.5	4975.0	5164.7	5661.1	6212.8	6871.3	7540.1	8098.7	8595.1	8895.1
10°	3354.6	3620.1	3889.0	4251.0	4651.0	5219.8	5850.8	6588.6	7312.6	7809.0	8188.3
12.5°	2696.1	2906.4	3265.0	3654.6	4147.6	4523.4	5157.8	5888.7	6826.5	7312.6	7812.5
15°	2041.0	2310.0	2716.8	3120.2	3640.8	4037.3	4678.5	5599.1	6805.8	7474.6	7905.6
17.5°	1513.5	1696.3	2061.7	2513.4	3044.3	3602.8	4468.2	5568.0	7036.8	7833.2	8277.9
20°	1158.4	1220.5	1451.5	1854.9	2430.6	3161.5	4126.9	5702.5	7719.4	8705.5	9157.1
22.5°	937.8	965.4	1055.0	1334.3	1892.8	2775.4	3964.9	5795.6	8488.2	9750.1	10353.5
25°	817.1	810.2	868.8	989.5	1479.1	2413.4	3758.0	6147.3	9429.5	10977.5	11518.8
27.5°	744.7	744.7	772.3	858.5	1227.4	2178.9	3627.0	6398.9	10377.6	12056.6	12349.7
30°	706.8	713.7	793.0	820.6	1020.5	1899.7	3409.8	6654.1	11284.3	12746.2	13149.5
32.5°	655.1	627.5	610.2	679.2	858.5	1648.0	3192.6	6760.9	12018.7	13590.8	13935.6
35°	503.4	489.6	510.3	562.0	737.8	1434.2	2951.2	6881.6	12863.4	14570.0	14638.9
37.5°	455.1	451.6	465.4	510.3	620.6	1248.1	2778.8	6850.6	13508.1	15380.2	15194.0
40°	420.6	420.6	431.0	468.9	555.1	1117.1	2599.6	6823.0	14132.1	16290.4	15745.7
42.5°	393.0	393.0	410.3	434.4	527.5	1030.9	2465.1	6785.1	14656.2	16848.9	16069.7
45°	355.1	365.5	393.0	417.2	534.4	972.3	2365.1	6640.3	14835.5	16842.0	15914.6
47.5°	327.5	341.3	368.9	403.4	482.7	955.0	2296.2	6512.7	14773.4	16428.3	15428.5
50°	296.5	313.7	351.7	410.3	410.3	920.5	2223.8	6626.5	14728.6	16107.7	14963.0
52°	275.8	289.6	337.9	399.9	358.6	848.1	2178.9	6847.1	14911.3	16066.3	14756.2
52.5°	272.4	282.7	327.5	393.0	341.3	834.3	2147.9	6898.9	14969.9	15962.9	14897.5
55°	241.3	255.1	300.0	306.8	279.3	686.1	2047.9	7016.1	14680.3	15759.5	14763.1
57.5°	227.5	234.4	265.5	251.7	241.3	517.2	1761.8	6833.3	13039.2	13997.7	13735.6
60°	210.3	217.2	248.2	196.5	203.4	362.0	1323.9	5933.5	10470.7	11663.6	12135.9
62.5°	203.4	200.0	234.4	158.6	172.4	262.0	934.3	4823.3	8067.6	9601.9	10419.0
65°	179.3	175.8	168.9	134.5	148.3	203.4	558.5	3147.8	5685.3	7264.3	7712.5
67.5°	137.9	144.8	124.1	106.9	124.1	158.6	310.3	1410.1	2982.3	4357.9	4719.9
70°	96.5	103.4	100.0	93.1	110.3	131.0	179.3	482.7	1234.3	2289.3	2523.7
72.5°	58.6	72.4	75.8	79.3	96.5	113.8	127.6	155.1	327.5	810.2	1006.7
75°	34.5	48.3	58.6	69.0	79.3	96.5	106.9	110.3	113.8	151.7	244.8
77.5°	24.1	34.5	51.7	65.5	79.3	96.5	113.8	120.7	113.8	106.9	113.8
80°	20.7	34.5	48.3	62.1	82.7	100.0	113.8	113.8	110.3	96.5	103.4
82.5°	20.7	34.5	51.7	65.5	79.3	96.5	110.3	113.8	103.4	96.5	100.0
85°	24.1	37.9	55.2	69.0	86.2	79.3	72.4	58.6	55.2	44.8	48.3
87.5°	24.1	34.5	34.5	37.9	41.4	41.4	41.4	37.9	31.0	27.6	27.6
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: P531019

CATALOG NUMBER: GALN-SA6B-735-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3	8812.3
2.5°	9629.4	9905.3	9894.9	9901.8	9860.4	9581.2	9446.7	9105.4	9201.9	9160.5
5°	9998.3	10270.7	10505.2	10477.6	10160.4	9781.1	9219.2	8688.2	8543.4	8329.7
7.5°	9629.4	10284.5	10501.7	10470.7	10001.8	9515.7	8619.3	8088.3	7836.6	7695.3
10°	9043.3	9801.8	10070.7	10125.9	9808.7	9070.9	8246.9	7395.3	7260.9	7016.1
12.5°	8708.9	9260.5	9426.0	9574.3	9463.9	8912.3	7964.2	7147.1	6960.9	6798.9
15°	8436.5	8764.1	8833.0	9002.0	9067.5	8771.0	8112.4	7416.0	6957.5	6940.2
17.5°	8688.2	8553.8	8302.1	8353.8	8560.6	8774.4	8495.1	7947.0	7502.2	7447.0
20°	9105.4	8512.4	7943.5	8071.1	8243.5	8898.5	9074.4	8688.2	8433.1	8291.7
22.5°	9584.6	8584.8	7829.7	7891.8	8219.3	9177.8	10012.1	9798.4	9322.6	9119.2
25°	10470.7	8784.7	7919.4	7960.7	8408.9	9567.4	10860.3	11018.9	10736.1	10694.8
27.5°	11336.0	9301.9	8115.9	8022.8	8505.5	9946.6	11374.0	12225.6	11729.1	11632.6
30°	11777.4	9722.5	8408.9	8250.4	8905.4	10177.6	11684.3	13011.6	12577.2	12532.4
32.5°	12453.1	10105.2	8636.5	8433.1	9129.5	10463.8	12263.5	13870.1	13449.5	13225.4
35°	12735.8	10522.4	9136.4	8898.5	9770.8	10863.7	12560.0	14635.5	14504.5	14287.3
37.5°	13280.6	10970.6	9726.0	9712.2	10546.5	11384.3	13094.4	15676.7	15652.6	15276.8
40°	13325.4	11460.2	10656.9	11091.3	11746.3	12291.1	13563.3	15966.3	16359.4	16104.2
42.5°	13394.3	12318.6	12266.9	12625.5	13187.5	13070.2	13580.5	16035.3	16635.2	16483.5
45°	13425.4	13177.1	13904.6	14566.5	14801.0	14090.8	13418.5	15904.3	16780.0	16400.7
47.5°	13177.1	13914.9	15228.5	16507.6	16576.6	14718.2	13349.5	15769.8	16866.2	16614.5
50°	13211.6	14376.9	16373.1	17517.8	17266.1	15273.3	13242.6	15687.0	16821.3	16652.4
52°	13128.9	14387.3	16535.2	17497.1	17321.3	14966.5	13059.9	15369.9	16780.0	16900.6
52.5°	13221.9	14325.2	16366.2	17510.9	17283.3	15118.2	13035.8	15545.7	16804.1	16559.3
55°	12901.3	13587.4	15376.8	15862.9	15828.4	13721.9	12294.5	14963.0	16173.2	16176.6
57.5°	11660.1	11777.4	12060.1	12049.7	11891.1	10787.9	10515.5	13759.8	14418.3	14059.7
60°	10274.2	8622.7	7860.8	7550.5	7374.6	7195.4	9301.9	12587.6	12649.6	12497.9
62.5°	8877.8	5978.3	4964.7	4878.5	4919.9	5574.9	8991.6	12122.1	11749.8	11422.2
65°	7164.3	4357.9	3606.3	3492.5	3895.9	4602.7	7278.1	9295.0	8722.7	8450.3
67.5°	4499.3	3178.8	2437.5	2223.8	2709.9	3168.4	4782.0	5840.4	5199.1	4823.3
70°	2668.5	1775.6	1103.3	989.5	1113.6	1689.4	2678.9	2913.3	2409.9	2216.9
72.5°	1051.5	651.6	306.8	262.0	272.4	593.0	986.0	961.9	727.5	648.2
75°	282.7	196.5	106.9	86.2	72.4	110.3	158.6	103.4	37.9	48.3
77.5°	131.0	117.2	93.1	72.4	55.2	41.4	20.7	6.9	6.9	3.4
80°	113.8	100.0	86.2	72.4	55.2	34.5	17.2	3.4	3.4	3.4
82.5°	106.9	93.1	79.3	65.5	51.7	34.5	17.2	3.4	0.0	0.0
85°	44.8	58.6	65.5	62.1	55.2	34.5	17.2	3.4	0.0	0.0
87.5°	24.1	20.7	17.2	13.8	10.3	6.9	6.9	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)