

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: P527925

Luminaire Tested: **GALN-SA3A-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527925  
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-SA3A-727-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

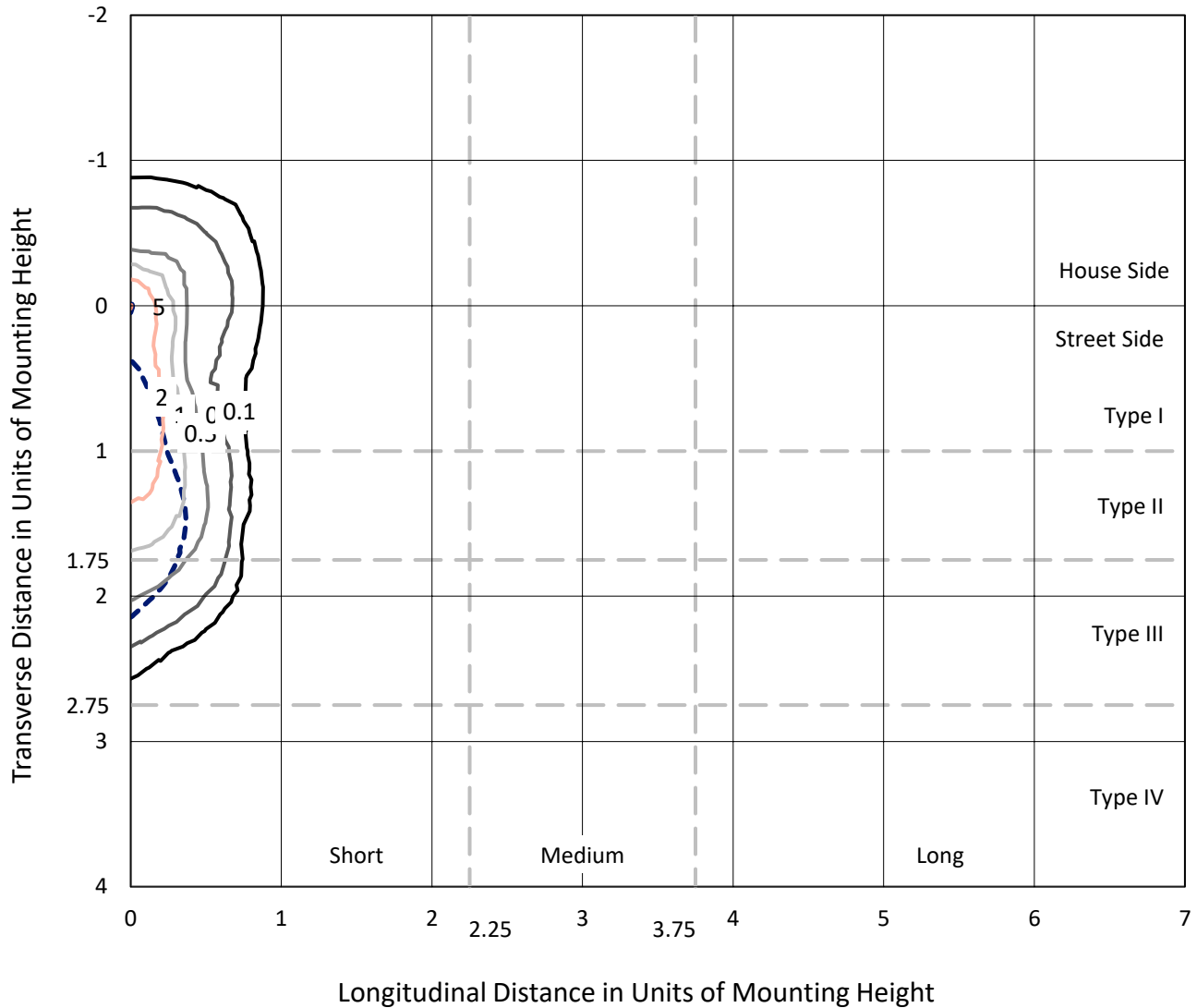
Lumens per Lamp: N/A  
Luminaire Lumens: 6312 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P527925  
 CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

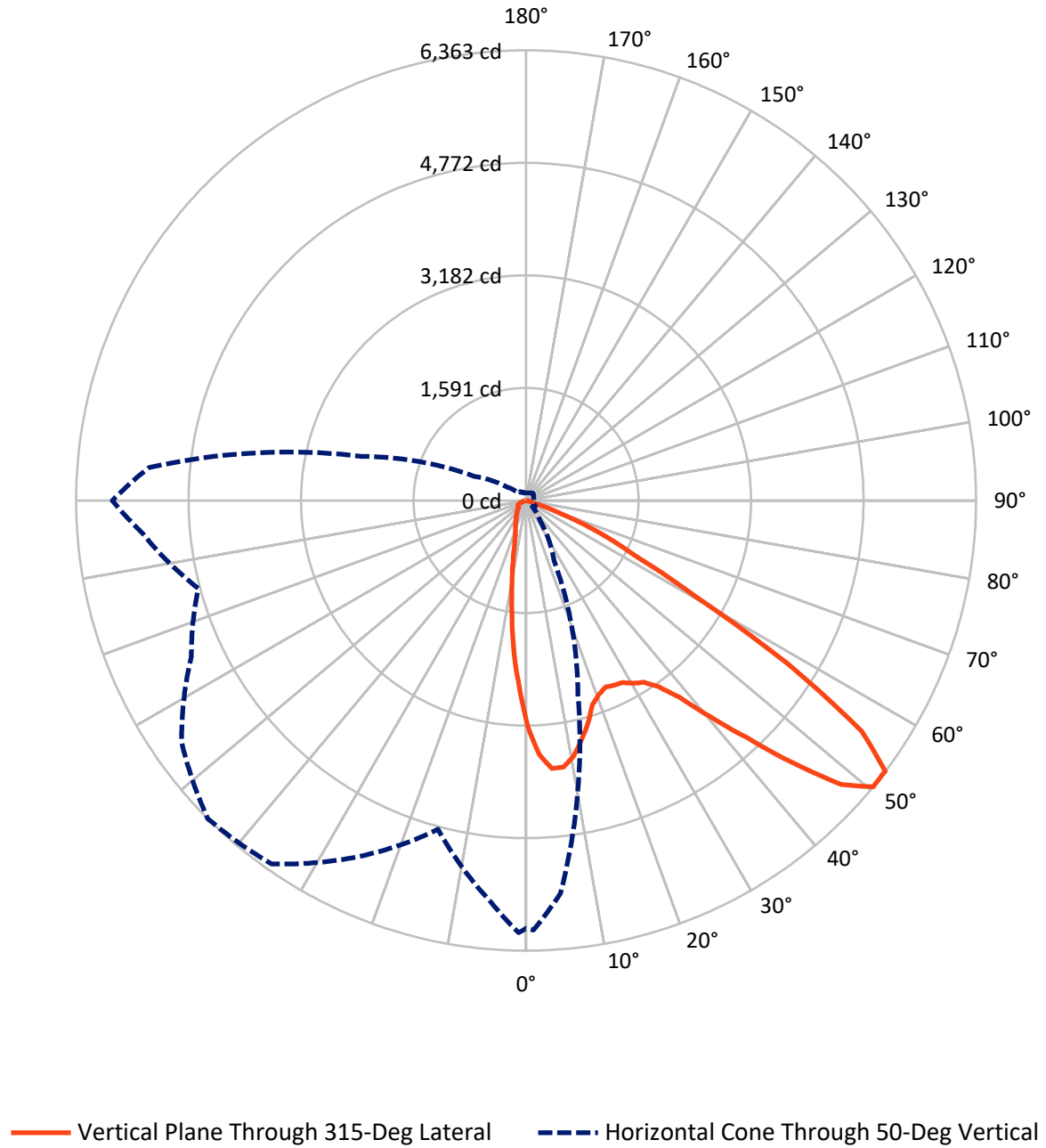
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P527925  
CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

### Luminous Intensity Polar Plot



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 CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1264.3	0.0	1264.3
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	5047.7	0.0	5047.7
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	6312.0	0.0	6312.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.3	3.7
10°-20°	463.7	7.3
20°-30°	696.6	11.0
30°-40°	1045.6	16.6
40°-50°	1469.5	23.3
50°-60°	1585.2	25.1
60°-70°	736.0	11.7
70°-80°	69.3	1.1
80°-90°	12.8	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°	6312.0	100.0
0°-180°	6312.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P527925

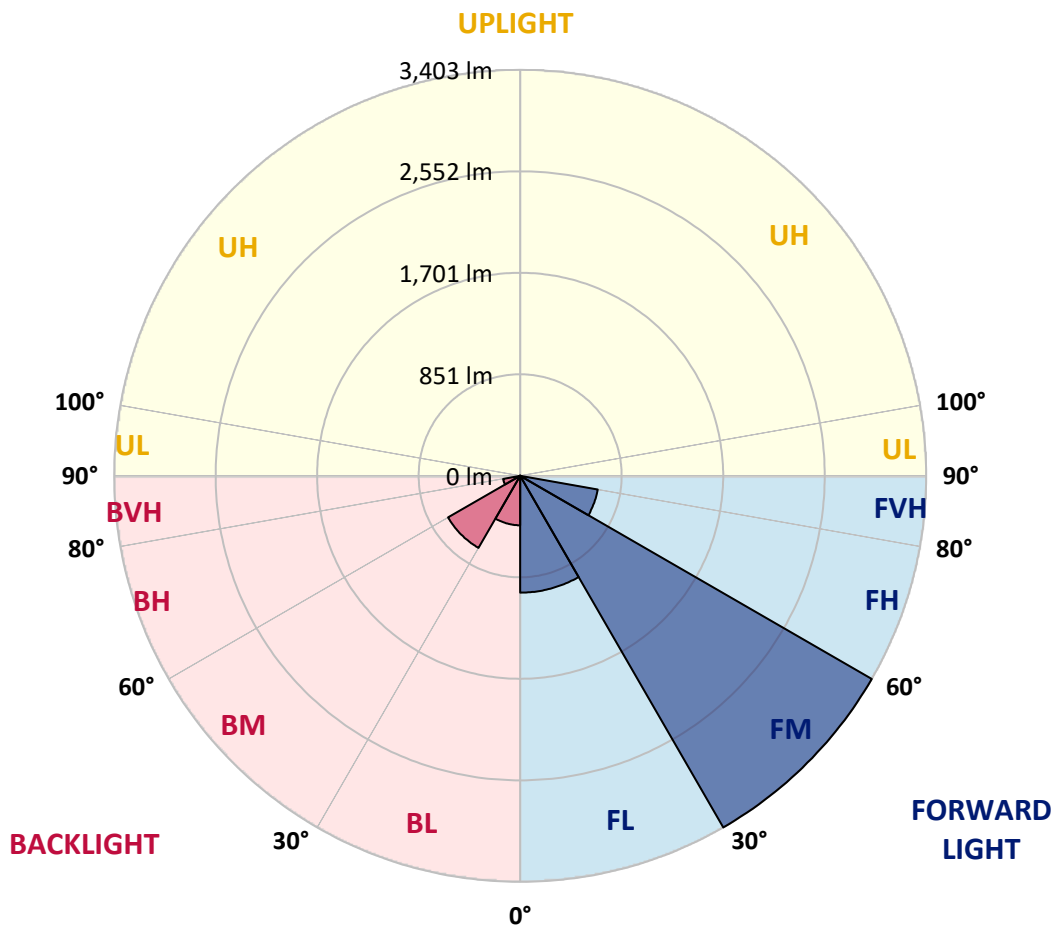
CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	979.3	15.5			
FM (30°-60°)	3402.6	53.9			
FH (60°-80°)	660.1	10.5			G1/1800
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	414.4	6.6	B1/500		
BM (30°-60°)	697.7	11.1	B1/1000		
BH (60°-80°)	145.2	2.3	B1/500		G1/500
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P527925

CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0
2.5°	3327.5	3276.1	3211.0	3157.1	3077.0	2915.4	2871.6	2819.0	2775.2	2716.3	2633.7
5°	3025.7	3009.4	2979.3	2776.4	2629.9	2434.5	2274.2	2206.6	2117.7	2045.1	1992.5
7.5°	2795.2	2730.1	2634.9	2430.8	2196.6	1987.5	1809.6	1705.7	1588.0	1547.9	1476.5
10°	2548.5	2563.5	2423.3	2136.5	1853.5	1684.4	1574.2	1474.0	1367.6	1297.4	1196.0
12.5°	2469.6	2420.8	2313.1	1958.7	1717.0	1559.2	1425.2	1301.2	1188.5	1075.8	978.1
15°	2521.0	2445.8	2295.5	1921.1	1611.8	1415.1	1247.3	1079.5	975.6	831.6	730.1
17.5°	2705.1	2644.9	2443.3	1961.2	1557.9	1277.4	1028.2	855.3	696.3	566.1	514.7
20°	3011.9	2926.7	2673.7	2012.5	1477.8	1110.8	834.1	621.2	470.9	415.8	387.0
22.5°	3312.4	3266.1	2946.8	2111.4	1406.4	963.0	626.2	418.3	351.9	341.9	323.1
25°	3884.8	3745.7	3363.8	2290.5	1351.3	824.0	472.1	336.9	298.1	290.5	293.0
27.5°	4225.4	4108.9	3749.5	2409.5	1289.9	717.6	399.5	309.3	283.0	266.7	260.5
30°	4552.3	4417.0	3941.1	2479.6	1158.4	604.9	354.4	296.8	290.5	266.7	259.2
32.5°	4804.0	4671.2	4217.9	2584.8	1104.6	532.2	291.8	231.7	215.4	212.9	235.4
35°	5189.7	5048.2	4454.6	2642.4	1063.2	494.7	253.0	206.6	187.9	180.3	181.6
37.5°	5549.1	5452.7	4673.7	2665.0	1019.4	483.4	226.7	185.3	169.1	164.1	162.8
40°	5849.7	5634.3	4881.6	2688.8	1000.6	462.1	210.4	169.1	157.8	150.3	150.3
42.5°	5987.4	5768.3	5114.6	2675.0	995.6	428.3	210.4	155.3	146.5	139.0	137.8
45°	5957.4	5868.5	5218.5	2668.7	995.6	394.5	191.6	151.5	139.0	129.0	126.5
47.5°	6035.0	5918.6	5348.7	2695.0	975.6	370.7	161.6	159.0	131.5	119.0	116.5
50°	6048.8	6071.3	5575.4	2831.5	931.7	340.6	126.5	156.5	126.5	107.7	105.2
52°	6139.0	5998.7	5644.3	2904.2	885.4	318.1	106.4	134.0	121.5	100.2	97.7
52.5°	6015.0	6106.4	5660.6	2930.5	890.4	303.1	102.7	131.5	119.0	100.2	93.9
55°	5876.0	5963.6	5594.2	2986.8	816.5	237.9	80.1	95.2	107.7	87.7	83.9
57.5°	5107.0	5196.0	4861.6	2735.1	665.0	167.8	66.4	71.4	95.2	81.4	77.6
60°	4539.7	4475.9	4080.1	2281.8	472.1	93.9	52.6	55.1	103.9	75.1	73.9
62.5°	4149.0	4012.5	3410.1	1762.0	288.0	62.6	41.3	42.6	80.1	70.1	70.1
65°	3069.5	2916.7	2265.5	1065.7	141.5	43.8	31.3	33.8	50.1	60.1	60.1
67.5°	1752.0	1693.2	1094.5	480.9	58.9	27.6	23.8	26.3	38.8	48.8	46.3
70°	805.3	722.6	420.8	101.4	27.6	18.8	18.8	21.3	31.3	36.3	33.8
72.5°	235.4	222.9	102.7	16.3	11.3	11.3	12.5	16.3	23.8	27.6	25.0
75°	17.5	11.3	7.5	5.0	5.0	7.5	10.0	16.3	23.8	26.3	21.3
77.5°	1.3	2.5	1.3	1.3	3.8	7.5	11.3	20.0	31.3	32.6	23.8
80°	1.3	1.3	0.0	1.3	3.8	7.5	12.5	22.5	35.1	37.6	20.0
82.5°	0.0	0.0	0.0	1.3	5.0	10.0	15.0	23.8	32.6	40.1	21.3
85°	0.0	0.0	0.0	1.3	7.5	13.8	17.5	6.3	3.8	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: P527925

CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0
2.5°	2692.5	2660.0	2647.4	2658.7	2655.0	2651.2	2720.1	2705.1	2702.5	2725.1	2720.1
5°	2021.3	1963.7	2121.5	2057.6	2124.0	2164.0	2171.6	2175.3	2221.7	2172.8	2236.7
7.5°	1440.2	1455.2	1454.0	1496.5	1572.9	1640.6	1680.6	1649.3	1646.8	1640.6	1613.0
10°	1150.9	1124.6	1119.6	1109.6	1133.4	1191.0	1239.8	1201.0	1173.4	1211.0	1199.7
12.5°	940.5	904.2	884.2	844.1	845.3	884.2	884.2	884.2	911.7	933.0	949.3
15°	721.3	691.3	691.3	651.2	642.5	643.7	663.7	666.2	710.1	722.6	728.9
17.5°	504.7	488.4	507.2	523.5	513.5	516.0	523.5	526.0	532.2	527.2	539.8
20°	388.2	385.7	390.7	419.5	440.8	453.3	444.6	432.1	424.5	407.0	407.0
22.5°	329.4	334.4	343.1	366.9	394.5	402.0	392.0	363.2	340.6	338.1	339.4
25°	293.0	298.1	311.8	326.9	341.9	354.4	344.4	323.1	310.6	299.3	299.3
27.5°	270.5	273.0	280.5	291.8	304.3	314.3	310.6	299.3	285.5	280.5	269.3
30°	253.0	256.7	265.5	268.0	279.3	284.3	278.0	275.5	266.7	260.5	256.7
32.5°	244.2	243.0	249.2	251.7	253.0	256.7	249.2	253.0	251.7	241.7	237.9
35°	184.1	194.1	210.4	224.2	227.9	232.9	231.7	226.7	212.9	201.6	187.9
37.5°	165.3	171.6	180.3	191.6	206.6	212.9	210.4	197.9	181.6	174.1	171.6
40°	152.8	156.5	164.1	171.6	186.6	197.9	189.1	177.8	165.3	159.0	155.3
42.5°	141.5	142.8	146.5	154.0	165.3	182.8	167.8	152.8	147.8	144.0	141.5
45°	129.0	129.0	134.0	137.8	150.3	166.6	151.5	137.8	135.3	132.7	131.5
47.5°	119.0	120.2	122.7	127.7	137.8	149.0	139.0	127.7	121.5	120.2	117.7
50°	106.4	107.7	112.7	117.7	130.2	136.5	130.2	117.7	111.5	107.7	107.7
52°	96.4	100.2	105.2	115.2	124.0	134.0	126.5	112.7	105.2	101.4	98.9
52.5°	95.2	97.7	102.7	114.0	124.0	132.7	125.2	111.5	102.7	100.2	97.7
55°	85.2	88.9	97.7	111.5	122.7	132.7	122.7	110.2	97.7	91.4	88.9
57.5°	81.4	83.9	95.2	112.7	121.5	132.7	122.7	110.2	97.7	86.4	83.9
60°	77.6	82.7	95.2	109.0	120.2	134.0	124.0	109.0	95.2	81.4	81.4
62.5°	73.9	77.6	93.9	106.4	115.2	129.0	119.0	106.4	91.4	77.6	76.4
65°	63.9	70.1	82.7	88.9	98.9	111.5	101.4	92.7	80.1	68.9	67.6
67.5°	48.8	51.3	61.4	68.9	75.1	86.4	81.4	70.1	61.4	52.6	52.6
70°	33.8	36.3	43.8	47.6	53.9	60.1	56.4	47.6	41.3	36.3	35.1
72.5°	23.8	25.0	27.6	30.1	32.6	35.1	33.8	27.6	23.8	22.5	21.3
75°	18.8	21.3	22.5	21.3	20.0	18.8	18.8	16.3	13.8	12.5	12.5
77.5°	18.8	20.0	18.8	16.3	13.8	12.5	11.3	10.0	7.5	6.3	7.5
80°	16.3	16.3	16.3	13.8	12.5	11.3	10.0	8.8	7.5	6.3	6.3
82.5°	17.5	17.5	16.3	13.8	13.8	11.3	11.3	10.0	8.8	6.3	6.3
85°	0.0	0.0	0.0	2.5	6.3	11.3	11.3	10.0	8.8	7.5	7.5
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	6.3	7.5	7.5	7.5
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: P527925

CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0
2.5°	2765.2	2812.8	2902.9	2993.1	3048.2	3113.3	3231.0	3293.7	3375.1	3415.1	3494.0
5°	2227.9	2340.6	2380.7	2483.4	2593.6	2703.8	2879.1	3072.0	3232.3	3342.5	3485.3
7.5°	1625.5	1651.8	1807.1	1876.0	2056.3	2256.7	2495.9	2738.9	2941.7	3122.1	3231.0
10°	1218.5	1315.0	1412.6	1544.1	1689.4	1896.0	2125.2	2393.2	2656.2	2836.5	2974.3
12.5°	979.3	1055.7	1186.0	1327.5	1506.6	1643.1	1873.5	2139.0	2479.6	2656.2	2837.8
15°	741.4	839.1	986.8	1133.4	1322.5	1466.5	1699.4	2033.8	2472.1	2715.1	2871.6
17.5°	549.8	616.2	748.9	913.0	1105.8	1308.7	1623.0	2022.5	2556.0	2845.3	3006.9
20°	420.8	443.3	527.2	673.8	882.9	1148.4	1499.1	2071.4	2804.0	3162.2	3326.2
22.5°	340.6	350.7	383.2	484.7	687.5	1008.1	1440.2	2105.2	3083.3	3541.6	3760.8
25°	296.8	294.3	315.6	359.4	537.3	876.6	1365.1	2232.9	3425.1	3987.4	4184.1
27.5°	270.5	270.5	280.5	311.8	445.8	791.5	1317.5	2324.3	3769.5	4379.4	4485.9
30°	256.7	259.2	288.0	298.1	370.7	690.0	1238.6	2417.0	4098.9	4629.9	4776.4
32.5°	237.9	227.9	221.7	246.7	311.8	598.6	1159.7	2455.8	4365.7	4936.7	5062.0
35°	182.8	177.8	185.3	204.1	268.0	521.0	1072.0	2499.7	4672.5	5292.4	5317.4
37.5°	165.3	164.1	169.1	185.3	225.4	453.3	1009.4	2488.4	4906.7	5586.7	5519.1
40°	152.8	152.8	156.5	170.3	201.6	405.8	944.3	2478.4	5133.3	5917.3	5719.4
42.5°	142.8	142.8	149.0	157.8	191.6	374.4	895.4	2464.6	5323.7	6120.2	5837.2
45°	129.0	132.7	142.8	151.5	194.1	353.2	859.1	2412.0	5388.8	6117.7	5780.8
47.5°	119.0	124.0	134.0	146.5	175.3	346.9	834.1	2365.7	5366.3	5967.4	5604.2
50°	107.7	114.0	127.7	149.0	149.0	334.4	807.8	2407.0	5350.0	5850.9	5435.2
52°	100.2	105.2	122.7	145.3	130.2	308.1	791.5	2487.1	5416.4	5835.9	5360.0
52.5°	98.9	102.7	119.0	142.8	124.0	303.1	780.2	2505.9	5437.7	5798.3	5411.4
55°	87.7	92.7	109.0	111.5	101.4	249.2	743.9	2548.5	5332.5	5724.4	5362.5
57.5°	82.7	85.2	96.4	91.4	87.7	187.9	639.9	2482.1	4736.3	5084.5	4989.3
60°	76.4	78.9	90.2	71.4	73.9	131.5	480.9	2155.3	3803.4	4236.7	4408.2
62.5°	73.9	72.6	85.2	57.6	62.6	95.2	339.4	1752.0	2930.5	3487.8	3784.6
65°	65.1	63.9	61.4	48.8	53.9	73.9	202.9	1143.4	2065.1	2638.7	2801.5
67.5°	50.1	52.6	45.1	38.8	45.1	57.6	112.7	512.2	1083.3	1583.0	1714.5
70°	35.1	37.6	36.3	33.8	40.1	47.6	65.1	175.3	448.3	831.6	916.7
72.5°	21.3	26.3	27.6	28.8	35.1	41.3	46.3	56.4	119.0	294.3	365.7
75°	12.5	17.5	21.3	25.0	28.8	35.1	38.8	40.1	41.3	55.1	88.9
77.5°	8.8	12.5	18.8	23.8	28.8	35.1	41.3	43.8	41.3	38.8	41.3
80°	7.5	12.5	17.5	22.5	30.1	36.3	41.3	41.3	40.1	35.1	37.6
82.5°	7.5	12.5	18.8	23.8	28.8	35.1	40.1	41.3	37.6	35.1	36.3
85°	8.8	13.8	20.0	25.0	31.3	28.8	26.3	21.3	20.0	16.3	17.5
87.5°	8.8	12.5	12.5	13.8	15.0	15.0	15.0	13.8	11.3	10.0	10.0
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: P527925

CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0	3201.0
2.5°	3497.8	3598.0	3594.2	3596.7	3581.7	3480.3	3431.4	3307.4	3342.5	3327.5
5°	3631.8	3730.7	3815.9	3805.9	3690.6	3552.9	3348.8	3155.9	3103.3	3025.7
7.5°	3497.8	3735.7	3814.6	3803.4	3633.0	3456.5	3130.8	2938.0	2846.6	2795.2
10°	3284.9	3560.4	3658.1	3678.1	3562.9	3294.9	2995.6	2686.3	2637.4	2548.5
12.5°	3163.4	3363.8	3423.9	3477.7	3437.7	3237.3	2892.9	2596.1	2528.5	2469.6
15°	3064.5	3183.4	3208.5	3269.9	3293.7	3186.0	2946.8	2693.8	2527.2	2521.0
17.5°	3155.9	3107.1	3015.6	3034.4	3109.6	3187.2	3085.8	2886.6	2725.1	2705.1
20°	3307.4	3092.0	2885.4	2931.7	2994.3	3232.3	3296.2	3155.9	3063.2	3011.9
22.5°	3481.5	3118.3	2844.1	2866.6	2985.6	3333.7	3636.8	3559.1	3386.3	3312.4
25°	3803.4	3191.0	2876.6	2891.7	3054.5	3475.2	3944.9	4002.5	3899.8	3884.8
27.5°	4117.7	3378.8	2948.0	2914.2	3089.5	3613.0	4131.5	4440.8	4260.5	4225.4
30°	4278.0	3531.6	3054.5	2996.8	3234.8	3696.9	4244.2	4726.3	4568.5	4552.3
32.5°	4523.5	3670.6	3137.1	3063.2	3316.2	3800.9	4454.6	5038.2	4885.4	4804.0
35°	4626.1	3822.1	3318.7	3232.3	3549.1	3946.1	4562.3	5316.2	5268.6	5189.7
37.5°	4824.0	3984.9	3532.8	3527.8	3830.9	4135.2	4756.4	5694.4	5685.6	5549.1
40°	4840.3	4162.8	3871.0	4028.8	4266.7	4464.6	4926.7	5799.6	5942.4	5849.7
42.5°	4865.3	4474.6	4455.8	4586.1	4790.2	4747.6	4933.0	5824.6	6042.5	5987.4
45°	4876.6	4786.4	5050.7	5291.1	5376.3	5118.3	4874.1	5777.0	6095.1	5957.4
47.5°	4786.4	5054.4	5531.6	5996.2	6021.2	5346.2	4849.1	5728.2	6126.4	6035.0
50°	4799.0	5222.3	5947.4	6363.1	6271.7	5547.9	4810.2	5698.1	6110.2	6048.8
52°	4768.9	5226.0	6006.2	6355.6	6291.8	5436.4	4743.9	5582.9	6095.1	6139.0
52.5°	4802.7	5203.5	5944.9	6360.6	6278.0	5491.5	4735.1	5646.8	6103.9	6015.0
55°	4686.3	4935.5	5585.4	5762.0	5749.5	4984.3	4465.8	5435.2	5874.7	5876.0
57.5°	4235.4	4278.0	4380.7	4376.9	4319.3	3918.6	3819.6	4998.1	5237.3	5107.0
60°	3732.0	3132.1	2855.3	2742.6	2678.8	2613.6	3378.8	4572.3	4594.8	4539.7
62.5°	3224.8	2171.6	1803.4	1772.1	1787.1	2025.0	3266.1	4403.2	4268.0	4149.0
65°	2602.4	1583.0	1309.9	1268.6	1415.1	1671.9	2643.7	3376.3	3168.4	3069.5
67.5°	1634.3	1154.7	885.4	807.8	984.3	1150.9	1737.0	2121.5	1888.5	1752.0
70°	969.3	645.0	400.7	359.4	404.5	613.6	973.1	1058.2	875.4	805.3
72.5°	382.0	236.7	111.5	95.2	98.9	215.4	358.2	349.4	264.2	235.4
75°	102.7	71.4	38.8	31.3	26.3	40.1	57.6	37.6	13.8	17.5
77.5°	47.6	42.6	33.8	26.3	20.0	15.0	7.5	2.5	2.5	1.3
80°	41.3	36.3	31.3	26.3	20.0	12.5	6.3	1.3	1.3	1.3
82.5°	38.8	33.8	28.8	23.8	18.8	12.5	6.3	1.3	0.0	0.0
85°	16.3	21.3	23.8	22.5	20.0	12.5	6.3	1.3	0.0	0.0
87.5°	8.8	7.5	6.3	5.0	3.8	2.5	2.5	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)