

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: P529795

Luminaire Tested: **GALN-SA5A-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529795  
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-SA5A-727-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 615mA 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: 10588 lumens  
Efficiency: N/A  
Efficacy: 68.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

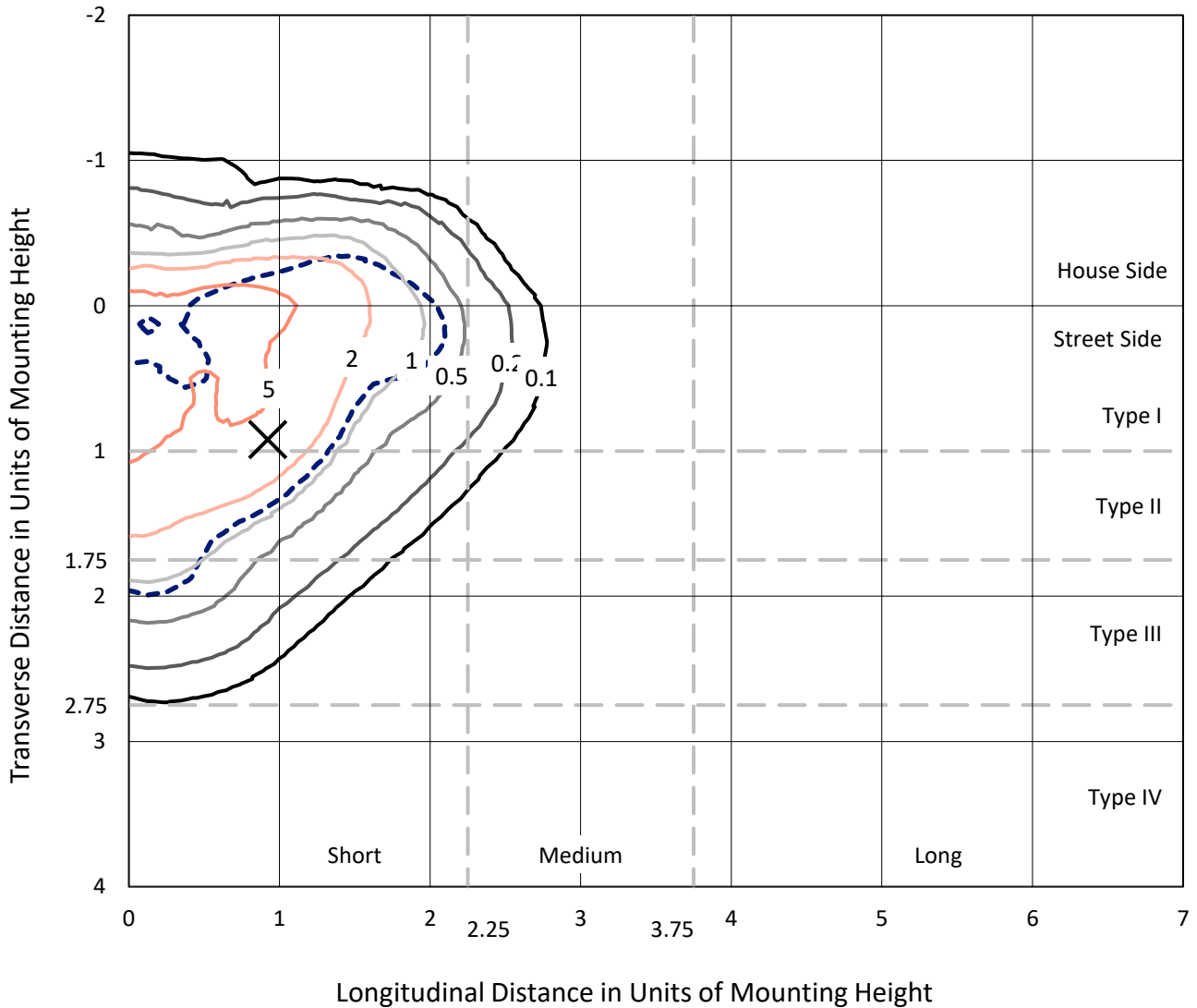
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P529795  
 CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

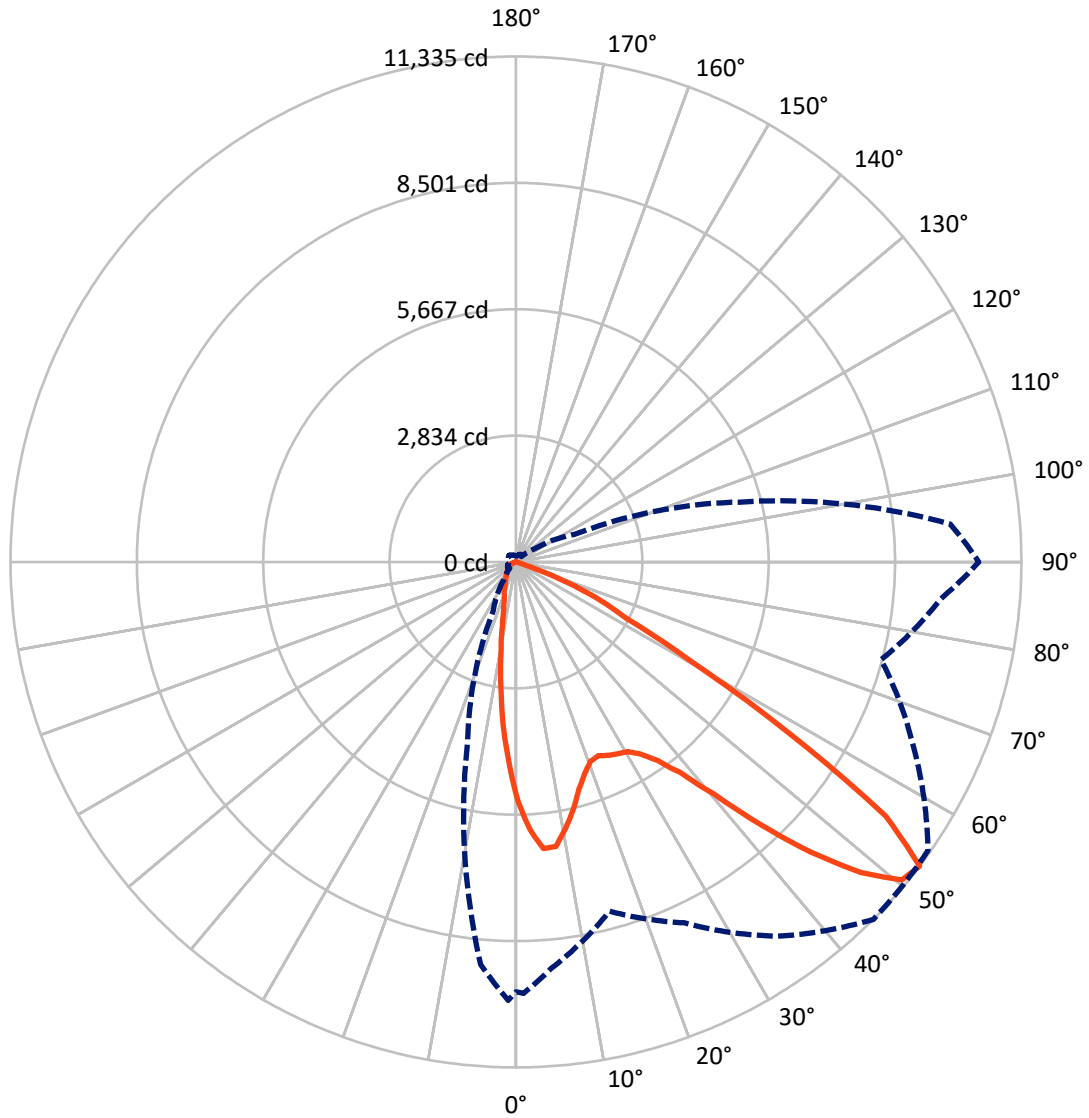
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P529795  
CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P529795  
 CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2148.8	0.0	2148.8
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	8439.2	0.0	8439.2
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	10588.0	0.0	10588.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.5	3.7
10°-20°	772.5	7.3
20°-30°	1175.6	11.1
30°-40°	1757.0	16.6
40°-50°	2502.2	23.6
50°-60°	2689.7	25.4
60°-70°	1191.9	11.3
70°-80°	96.4	0.9
80°-90°	11.2	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°	10588.0	100.0
0°-180°	10588.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P529795

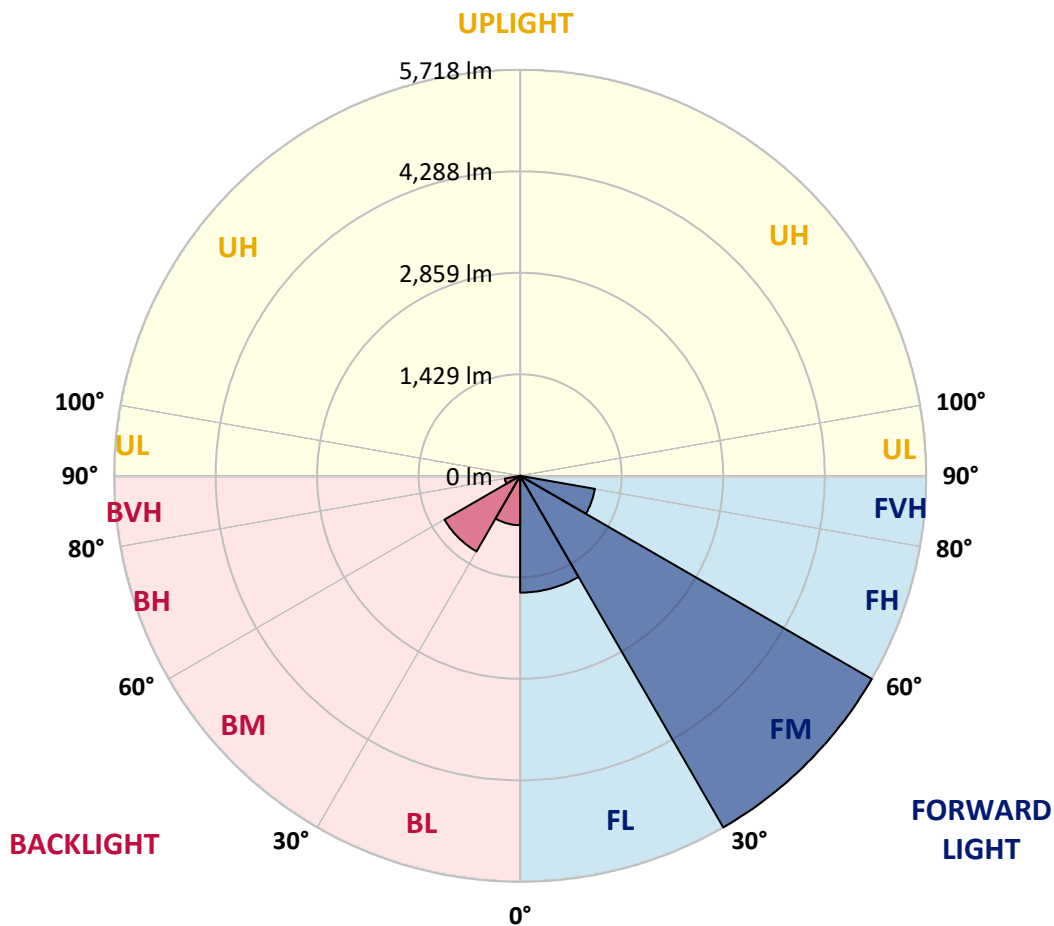
CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.5	15.5			
FM (30°-60°)	5717.8	54.0			
FH (60°-80°)	1068.5	10.1			G1/1800
FVH (80°-90°)	8.3	0.1			G0/10
BL (0°-30°)	695.0	6.6	B2/1000		
BM (30°-60°)	1231.0	11.6	B2/2500		
BH (60°-80°)	219.9	2.1	B1/500		G1/500
BVH (80°-90°)	2.9	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





REPORT NUMBER: P529795

CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6
2.5°	5681.0	5697.6	5789.3	5903.8	5964.2	6101.6	6005.8	6030.8	5978.8	5795.5	5651.8
5°	5508.1	5506.1	5622.7	5905.9	6174.5	6447.3	6455.7	6309.9	6053.7	5772.6	5370.7
7.5°	4987.5	5068.7	5189.5	5641.4	6139.1	6343.2	6441.1	6270.3	5876.7	5474.8	5039.6
10°	4593.9	4635.6	4839.7	5385.3	5749.7	6022.5	6082.9	5985.0	5683.1	5181.2	4693.9
12.5°	4366.9	4387.8	4627.2	5085.4	5470.6	5672.6	5701.8	5747.6	5531.0	5060.4	4475.2
15°	4369.0	4385.7	4708.5	5091.6	5243.7	5189.5	5285.3	5283.2	5376.9	5037.5	4658.5
17.5°	4683.5	4702.2	4993.8	5183.3	5116.6	4989.6	4983.4	5079.1	5277.0	5322.8	4935.5
20°	5224.9	5268.6	5483.1	5472.7	5097.9	4841.7	4770.9	4843.8	5304.1	5564.4	5493.6
22.5°	5953.8	6014.2	6164.1	5876.7	5183.3	4741.8	4718.9	4860.5	5483.1	6103.7	6126.6
25°	6799.3	6901.3	6974.2	6605.6	5487.3	4914.6	4806.3	5050.0	5724.7	6688.9	6932.5
27.5°	7359.4	7465.7	7449.0	6922.1	5691.4	4960.4	4868.8	5095.8	5935.0	6828.4	7353.2
30°	7796.8	7861.3	7977.9	7092.9	5895.5	5089.6	4933.4	5289.5	6003.8	7070.0	7861.3
32.5°	8307.0	8350.7	8359.0	7394.9	6209.9	5252.0	5133.3	5531.0	6307.8	7301.1	8311.1
35°	8821.3	8885.9	8750.5	7767.6	6403.6	5553.9	5466.5	5949.6	6551.5	7540.6	8806.8
37.5°	9379.4	9412.8	9100.4	7921.7	6680.6	6045.4	5997.5	6401.5	6974.2	7973.8	9356.5
40°	9848.0	9879.2	9473.2	8111.2	6972.1	6732.6	6855.5	7263.7	7549.0	8254.9	9631.4
42.5°	10108.3	10181.2	9598.1	8007.1	7557.3	7511.5	8057.1	8200.8	8215.3	8334.0	9877.2
45°	10179.1	10145.8	9391.9	8092.5	8069.6	8792.2	9287.8	9477.3	8877.6	8479.8	9939.6
47.5°	9852.2	9895.9	9087.9	8017.5	8742.2	9762.6	10404.0	10756.0	9371.1	8352.8	9785.5
50°	9587.7	9531.5	8990.0	7963.4	8923.4	10220.8	11209.9	11289.1	9825.1	8509.0	9616.8
52.5°	9639.8	9675.2	9146.2	8107.1	8927.5	10247.8	11334.9	11280.7	9839.7	8473.6	9556.5
55°	9750.1	9593.9	9079.6	7790.5	8329.9	9491.9	10060.4	9977.1	9081.7	8096.6	9408.6
57.5°	8413.2	8654.7	8348.6	6955.5	6836.7	7151.2	7140.8	7396.9	6774.3	6967.9	8565.2
60°	6828.4	6870.1	6984.6	5949.6	4731.4	4623.1	4473.1	4310.7	4558.5	5957.9	7790.5
62.5°	6005.8	5955.9	6364.0	5412.3	3340.3	2796.8	2771.8	2871.7	3517.3	5683.1	7307.4
65°	4364.9	4427.3	4723.0	4200.3	2507.3	2134.5	2097.0	2392.8	2846.7	4554.4	5576.9
67.5°	2665.6	2786.3	2813.4	2590.6	1701.4	1351.5	1297.4	1566.0	2055.4	2946.7	3269.5
70°	1230.7	1376.5	1514.0	1414.0	985.0	556.0	524.8	658.1	1037.1	1695.1	1734.7
72.5°	372.8	374.8	524.8	547.7	318.6	124.9	110.4	145.8	351.9	560.2	589.3
75°	27.1	29.2	70.8	81.2	60.4	31.2	33.3	39.6	75.0	124.9	93.7
77.5°	2.1	2.1	2.1	10.4	18.7	20.8	27.1	31.2	39.6	45.8	41.6
80°	2.1	0.0	2.1	8.3	14.6	20.8	25.0	29.2	31.2	35.4	31.2
82.5°	0.0	0.0	0.0	6.2	14.6	20.8	22.9	31.2	35.4	41.6	35.4
85°	0.0	0.0	0.0	6.2	14.6	22.9	20.8	10.4	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



REPORT NUMBER: P529795

CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6
2.5°	5676.8	5595.6	5410.3	5316.5	5095.8	5064.6	4848.0	4812.6	4739.7	4700.1	4604.3
5°	5193.7	5095.8	4793.8	4539.8	4244.1	4037.9	3879.6	3736.0	3652.7	3575.6	3611.0
7.5°	4800.1	4514.8	4179.5	3754.7	3413.2	3192.4	2950.9	2753.0	2636.4	2557.3	2576.0
10°	4387.8	4202.4	3736.0	3259.1	2846.7	2690.6	2501.0	2349.0	2184.5	2042.9	1976.3
12.5°	4258.7	3983.8	3398.6	2913.4	2601.0	2449.0	2232.4	2057.5	1847.2	1674.3	1613.9
15°	4281.6	4017.1	3307.0	2788.4	2419.8	2157.4	1899.2	1682.6	1451.5	1330.7	1268.2
17.5°	4654.3	4196.2	3367.4	2657.2	2167.9	1803.4	1484.8	1209.9	1037.1	912.1	885.0
20°	5112.5	4583.5	3496.5	2561.4	1961.7	1434.8	1085.0	847.6	703.9	683.1	676.8
22.5°	5783.0	5216.6	3773.4	2496.9	1709.7	1118.3	743.4	616.4	576.8	572.7	574.8
25°	6720.1	6010.0	4075.4	2442.7	1520.2	862.1	608.1	522.7	510.2	504.0	514.4
27.5°	7126.2	6489.0	4235.7	2326.1	1347.4	776.8	599.8	518.5	483.1	472.7	479.0
30°	7628.1	6807.6	4487.7	2126.2	1093.3	639.3	560.2	564.3	547.7	495.6	479.0
32.5°	8294.5	7205.3	4614.8	1984.6	976.7	528.9	410.2	376.9	420.7	429.0	443.6
35°	8721.4	7609.3	4679.3	1901.3	916.3	451.9	347.8	316.5	306.1	308.2	316.5
37.5°	9514.8	8155.0	4760.5	1813.8	870.5	393.6	314.5	285.3	270.7	270.7	279.1
40°	9989.6	8588.1	4870.9	1765.9	824.7	358.2	285.3	260.3	247.8	247.8	252.0
42.5°	10108.3	8802.6	4833.4	1749.3	772.6	349.9	260.3	241.6	227.0	224.9	222.8
45°	10320.7	9129.5	4839.7	1730.5	718.5	318.6	245.7	224.9	204.1	202.0	199.9
47.5°	10554.0	9364.9	4852.2	1657.6	666.4	266.6	256.1	208.2	183.3	179.1	179.1
50°	10354.0	9552.3	4960.4	1584.8	599.8	216.6	252.0	195.8	162.4	156.2	158.3
52.5°	10379.0	9773.0	5189.5	1482.7	516.5	172.8	204.1	185.3	147.9	137.4	139.5
55°	9979.2	9539.8	5220.8	1374.4	404.0	133.3	156.2	162.4	124.9	120.8	120.8
57.5°	8590.2	8077.9	4606.4	1114.1	266.6	110.4	112.5	141.6	108.3	104.1	106.2
60°	7351.1	6484.8	3706.8	735.1	166.6	87.5	81.2	143.7	95.8	93.7	100.0
62.5°	6701.4	5329.0	2811.3	456.1	114.5	66.6	56.2	116.6	83.3	83.3	91.6
65°	4841.7	3579.8	1634.7	239.5	81.2	52.1	41.6	66.6	68.7	70.8	75.0
67.5°	2998.8	1807.6	689.3	116.6	54.1	35.4	27.1	41.6	45.8	45.8	50.0
70°	1480.6	720.5	229.1	66.6	41.6	29.2	18.7	22.9	22.9	20.8	22.9
72.5°	458.1	216.6	58.3	41.6	29.2	18.7	10.4	8.3	4.2	0.0	2.1
75°	52.1	41.6	37.5	29.2	18.7	8.3	2.1	0.0	0.0	0.0	0.0
77.5°	31.2	35.4	35.4	29.2	18.7	6.2	0.0	0.0	0.0	0.0	0.0
80°	25.0	27.1	29.2	27.1	16.7	8.3	0.0	0.0	0.0	0.0	0.0
82.5°	31.2	35.4	39.6	35.4	22.9	10.4	4.2	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	6.2	2.1	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





REPORT NUMBER: P529795

CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6
2.5°	4564.8	4519.0	4583.5	4487.7	4485.6	4487.7	4460.7	4435.7	4475.2	4581.4	4591.8
5°	3484.0	3581.8	3613.1	3715.1	3658.9	3575.6	3592.3	3536.0	3673.5	3733.9	3686.0
7.5°	2536.4	2530.2	2740.5	2753.0	2780.1	2782.2	2778.0	2667.6	2555.2	2580.2	2655.1
10°	1967.9	1861.7	1963.8	1953.4	2020.0	2001.3	2028.3	1909.6	1949.2	1949.2	1997.1
12.5°	1603.5	1491.0	1472.3	1445.2	1472.3	1482.7	1493.1	1470.2	1536.9	1568.1	1601.4
15°	1224.5	1162.0	1145.4	1093.3	1101.6	1130.8	1155.8	1166.2	1145.4	1193.3	1197.4
17.5°	889.2	887.1	897.5	895.5	887.1	880.9	878.8	851.7	843.4	847.6	864.2
20°	674.7	691.4	726.8	762.2	780.9	758.0	726.8	681.0	662.2	666.4	668.5
22.5°	576.8	601.8	649.7	689.3	708.0	666.4	610.2	570.6	562.3	560.2	558.1
25°	522.7	551.9	587.3	599.8	597.7	572.7	531.0	514.4	510.2	506.0	487.3
27.5°	493.5	504.0	510.2	524.8	531.0	514.4	504.0	479.0	474.8	474.8	462.3
30°	476.9	470.6	479.0	468.6	476.9	464.4	466.5	466.5	456.1	460.2	460.2
32.5°	443.6	445.6	445.6	424.8	431.1	416.5	431.1	443.6	445.6	447.7	464.4
35°	324.9	362.3	381.1	381.1	387.3	376.9	374.8	360.3	341.5	322.8	314.5
37.5°	285.3	299.9	324.9	339.4	349.9	341.5	322.8	299.9	289.5	281.1	272.8
40°	254.1	266.6	283.2	299.9	320.7	310.3	281.1	270.7	258.2	258.2	249.9
42.5°	229.1	235.3	245.7	270.7	293.6	272.8	252.0	243.6	237.4	235.3	233.2
45°	206.2	208.2	218.7	239.5	266.6	245.7	224.9	214.5	216.6	218.7	216.6
47.5°	185.3	189.5	195.8	220.7	237.4	227.0	204.1	197.8	197.8	197.8	199.9
50°	160.4	170.8	183.3	204.1	216.6	210.3	191.6	183.3	179.1	179.1	181.2
52.5°	143.7	152.0	168.7	193.7	210.3	199.9	181.2	168.7	160.4	158.3	162.4
55°	124.9	139.5	166.6	185.3	208.2	197.8	177.0	162.4	147.9	145.8	145.8
57.5°	112.5	135.4	160.4	183.3	202.0	193.7	177.0	158.3	139.5	137.4	137.4
60°	106.2	131.2	156.2	177.0	202.0	189.5	174.9	154.1	133.3	133.3	131.2
62.5°	100.0	122.9	147.9	168.7	193.7	183.3	168.7	147.9	127.0	127.0	122.9
65°	83.3	106.2	122.9	141.6	168.7	158.3	143.7	129.1	112.5	108.3	110.4
67.5°	58.3	72.9	89.5	108.3	124.9	120.8	114.5	104.1	89.5	87.5	85.4
70°	29.2	39.6	54.1	72.9	87.5	83.3	79.1	70.8	62.5	60.4	60.4
72.5°	4.2	12.5	22.9	33.3	45.8	47.9	45.8	43.7	41.6	39.6	41.6
75°	0.0	0.0	0.0	8.3	18.7	22.9	27.1	31.2	31.2	27.1	33.3
77.5°	0.0	0.0	0.0	0.0	2.1	10.4	20.8	27.1	33.3	29.2	39.6
80°	0.0	0.0	0.0	0.0	2.1	12.5	20.8	29.2	33.3	29.2	41.6
82.5°	0.0	0.0	0.0	0.0	2.1	14.6	20.8	27.1	31.2	29.2	37.5
85°	0.0	0.0	0.0	0.0	6.2	12.5	8.3	4.2	2.1	2.1	6.2
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: P529795

CATALOG NUMBER: GALN-SA5A-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6	5368.6
2.5°	4650.2	4798.0	4956.3	5016.7	5204.1	5345.7	5441.5	5647.7	5678.9	5681.0
5°	3736.0	3810.9	4081.6	4208.7	4487.7	4704.3	4935.5	5268.6	5491.5	5508.1
7.5°	2655.1	2863.4	2977.9	3309.0	3652.7	3992.1	4335.7	4723.0	4981.3	4987.5
10°	2136.6	2272.0	2476.1	2723.9	3013.3	3359.0	3817.2	4267.0	4529.4	4593.9
12.5°	1720.1	1957.5	2190.8	2446.9	2667.6	2928.0	3421.5	4021.2	4237.8	4366.9
15°	1324.5	1541.0	1815.9	2115.8	2365.7	2713.5	3275.7	3960.9	4325.3	4369.0
17.5°	976.7	1170.3	1424.4	1707.6	2082.5	2576.0	3300.7	4267.0	4610.6	4683.5
20°	701.8	814.2	1014.2	1343.2	1820.1	2415.7	3325.7	4577.3	5100.0	5224.9
22.5°	556.0	601.8	733.0	1024.6	1526.5	2247.0	3502.7	5170.8	5772.6	5953.8
25°	483.1	508.1	570.6	808.0	1341.1	2230.3	3785.9	5883.0	6668.1	6799.3
27.5°	466.5	470.6	524.8	741.4	1241.2	2120.0	3894.2	6389.0	7226.2	7359.4
30°	491.5	558.1	562.3	626.8	1055.8	1901.3	3950.4	6878.4	7698.9	7796.8
32.5°	424.8	404.0	418.6	485.2	928.8	1774.3	4056.7	7305.3	8238.3	8307.0
35°	295.7	310.3	343.6	420.7	812.2	1641.0	4083.7	7775.9	8750.5	8821.3
37.5°	272.8	281.1	308.2	358.2	714.3	1566.0	4046.2	8119.6	9281.6	9379.4
40°	254.1	264.5	279.1	324.9	641.4	1482.7	3994.2	8429.8	9606.4	9848.0
42.5°	239.5	247.8	260.3	310.3	578.9	1399.4	3921.3	8867.2	9898.0	10108.3
45°	222.8	235.3	249.9	302.0	543.5	1343.2	3867.1	8840.1	10066.7	10179.1
47.5°	206.2	227.0	243.6	281.1	533.1	1316.1	3890.1	8738.0	9929.2	9852.2
50°	189.5	216.6	245.7	233.2	508.1	1262.0	3917.1	8877.6	9602.3	9587.7
52.5°	174.9	206.2	229.1	191.6	451.9	1209.9	4179.5	9060.8	9833.4	9639.8
55°	154.1	185.3	183.3	154.1	366.5	1170.3	4385.7	9065.0	9677.2	9750.1
57.5°	139.5	164.5	143.7	129.1	270.7	978.8	4050.4	7601.0	8284.1	8413.2
60°	129.1	160.4	108.3	102.0	177.0	706.0	3536.0	5887.1	6584.8	6828.4
62.5°	118.7	152.0	85.4	83.3	122.9	501.9	2907.1	4927.1	5674.7	6005.8
65°	104.1	108.3	68.7	64.6	87.5	270.7	1770.1	3392.3	4242.0	4364.9
67.5°	85.4	83.3	56.2	52.1	58.3	131.2	780.9	1699.3	2459.4	2665.6
70°	68.7	68.7	47.9	41.6	41.6	60.4	204.1	676.8	1112.0	1230.7
72.5°	50.0	52.1	37.5	33.3	31.2	29.2	33.3	135.4	291.5	372.8
75°	43.7	45.8	37.5	29.2	22.9	18.7	14.6	12.5	16.7	27.1
77.5°	47.9	47.9	39.6	27.1	20.8	14.6	8.3	4.2	4.2	2.1
80°	60.4	62.5	52.1	35.4	25.0	16.7	10.4	4.2	2.1	2.1
82.5°	64.6	70.8	58.3	43.7	31.2	18.7	10.4	2.1	0.0	0.0
85°	16.7	27.1	45.8	39.6	31.2	18.7	10.4	2.1	0.0	0.0
87.5°	0.0	2.1	6.2	6.2	8.3	8.3	6.2	2.1	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)