

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: P526989

Luminaire Tested: **GALN-SA2A-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526989  
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-SA2A-727-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 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: 4252 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0

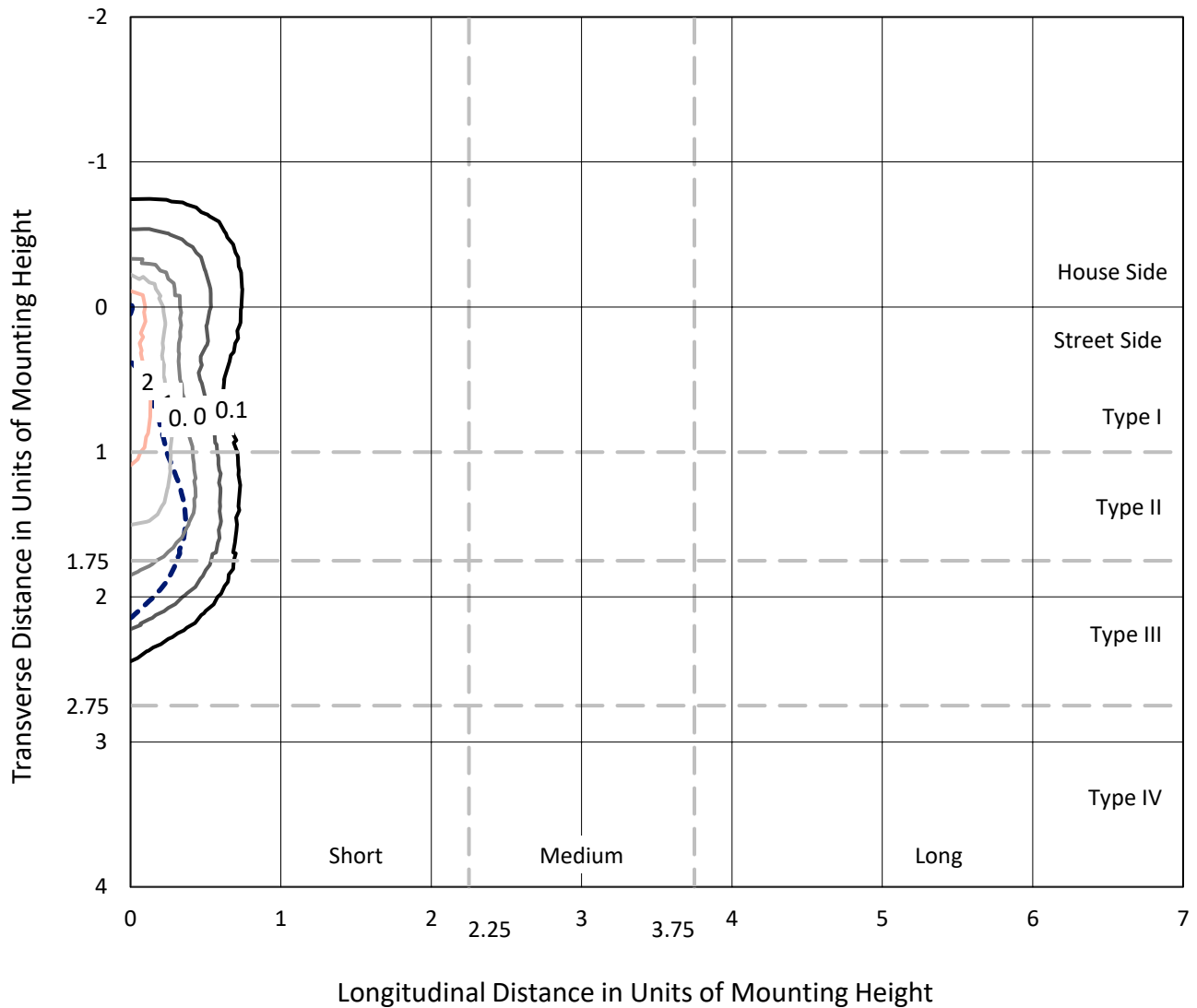
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526989  
 CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

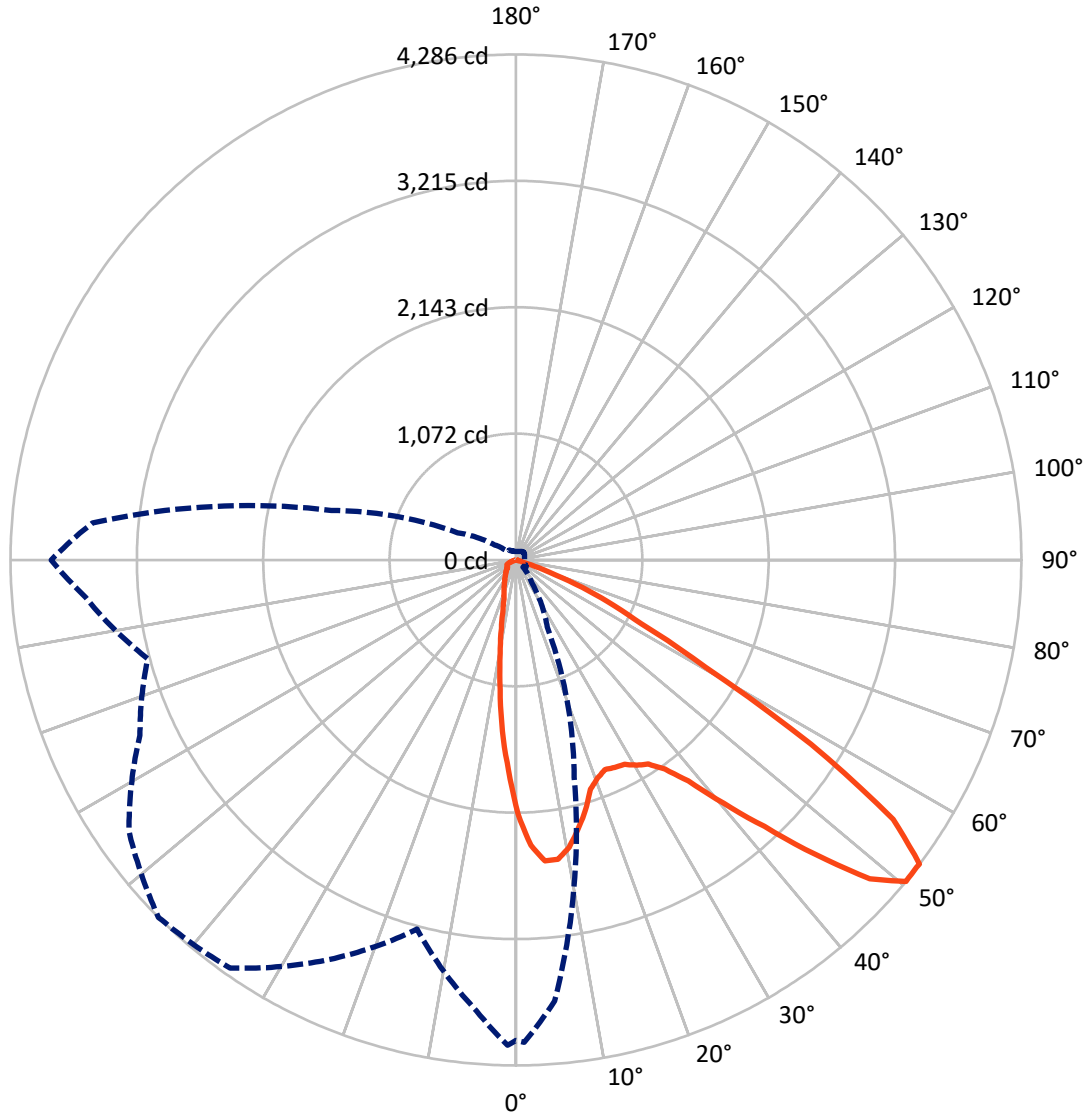
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P526989  
CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P526989  
 CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	851.7	0.0	851.7
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	3400.3	0.0	3400.3
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	4252.0	0.0	4252.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.2	3.7
10°-20°	312.4	7.3
20°-30°	469.3	11.0
30°-40°	704.4	16.6
40°-50°	989.9	23.3
50°-60°	1067.8	25.1
60°-70°	495.8	11.7
70°-80°	46.6	1.1
80°-90°	8.6	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°	4252.0	100.0
0°-180°	4252.0	100.0

**Coefficient of Utilization**



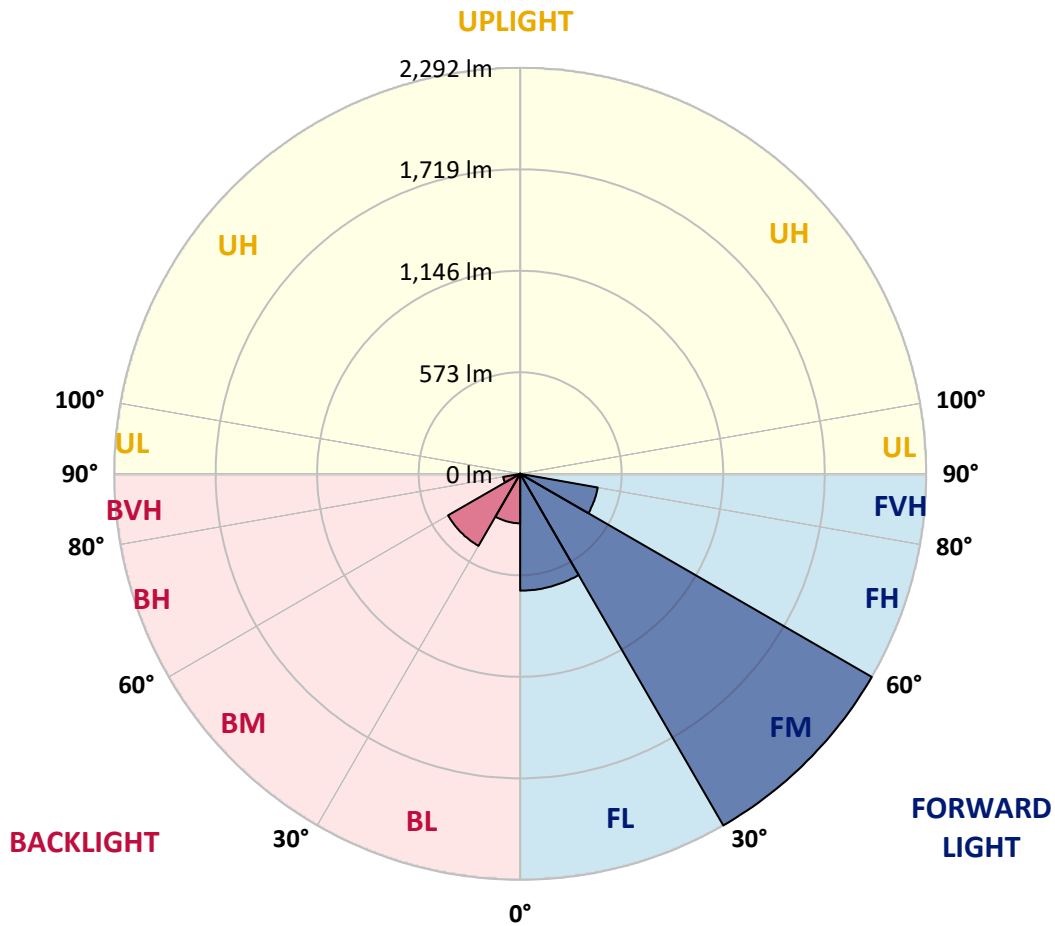
REPORT NUMBER: P526989  
 CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.7	15.5			
FM (30°-60°)	2292.1	53.9			
FH (60°-80°)	444.6	10.5			G0/660
FVH (80°-90°)	3.9	0.1			G0/10
BL (0°-30°)	279.2	6.6	B1/500		
BM (30°-60°)	470.0	11.1	B1/1000		
BH (60°-80°)	97.8	2.3	B0/110		G0/110
BVH (80°-90°)	4.7	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-G0**

Type III Short





REPORT NUMBER: P526989

CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3
2.5°	2241.5	2206.9	2163.0	2126.8	2072.8	1964.0	1934.4	1899.0	1869.5	1829.8	1774.1
5°	2038.2	2027.2	2007.0	1870.3	1771.6	1640.0	1532.0	1486.5	1426.6	1377.6	1342.2
7.5°	1883.0	1839.1	1775.0	1637.5	1479.7	1338.8	1219.0	1149.0	1069.7	1042.7	994.6
10°	1716.8	1726.9	1632.4	1439.2	1248.6	1134.7	1060.4	992.9	921.2	874.0	805.7
12.5°	1663.6	1630.7	1558.2	1319.4	1156.6	1050.3	960.0	876.5	800.6	724.7	658.9
15°	1698.2	1647.6	1546.4	1294.1	1085.7	953.3	840.2	727.2	657.2	560.2	491.8
17.5°	1822.2	1781.7	1645.9	1321.1	1049.5	860.5	692.6	576.2	469.1	381.3	346.7
20°	2028.9	1971.5	1801.1	1355.7	995.5	748.3	561.9	418.4	317.2	280.1	260.7
22.5°	2231.4	2200.2	1985.0	1422.3	947.4	648.7	421.8	281.8	237.1	230.3	217.7
25°	2616.9	2523.3	2266.0	1543.0	910.3	555.1	318.0	226.9	200.8	195.7	197.4
27.5°	2846.4	2767.9	2525.8	1623.1	868.9	483.4	269.1	208.4	190.7	179.7	175.5
30°	3066.6	2975.5	2654.9	1670.4	780.4	407.5	238.7	199.9	195.7	179.7	174.6
32.5°	3236.1	3146.7	2841.3	1741.2	744.1	358.5	196.6	156.1	145.1	143.4	158.6
35°	3496.0	3400.6	3000.8	1780.0	716.2	333.2	170.4	139.2	126.5	121.5	122.3
37.5°	3738.1	3673.1	3148.4	1795.2	686.7	325.6	152.7	124.9	113.9	110.5	109.7
40°	3940.6	3795.5	3288.4	1811.3	674.1	311.3	141.7	113.9	106.3	101.2	101.2
42.5°	4033.4	3885.7	3445.4	1802.0	670.7	288.5	141.7	104.6	98.7	93.6	92.8
45°	4013.1	3953.2	3515.4	1797.8	670.7	265.7	129.1	102.1	93.6	86.9	85.2
47.5°	4065.4	3987.0	3603.1	1815.5	657.2	249.7	108.8	107.1	88.6	80.1	78.5
50°	4074.7	4089.9	3755.8	1907.4	627.7	229.5	85.2	105.5	85.2	72.6	70.9
52°	4135.4	4041.0	3802.2	1956.4	596.4	214.3	71.7	90.3	81.8	67.5	65.8
52.5°	4051.9	4113.5	3813.2	1974.1	599.8	204.2	69.2	88.6	80.1	67.5	63.3
55°	3958.3	4017.3	3768.5	2012.0	550.0	160.3	54.0	64.1	72.6	59.1	56.5
57.5°	3440.3	3500.2	3274.9	1842.5	448.0	113.0	44.7	48.1	64.1	54.8	52.3
60°	3058.1	3015.1	2748.5	1537.1	318.0	63.3	35.4	37.1	70.0	50.6	49.8
62.5°	2794.9	2703.0	2297.2	1187.0	194.0	42.2	27.8	28.7	54.0	47.2	47.2
65°	2067.7	1964.8	1526.1	717.9	95.3	29.5	21.1	22.8	33.7	40.5	40.5
67.5°	1180.2	1140.6	737.3	324.0	39.7	18.6	16.0	17.7	26.2	32.9	31.2
70°	542.4	486.8	283.5	68.3	18.6	12.7	12.7	14.3	21.1	24.5	22.8
72.5°	158.6	150.2	69.2	11.0	7.6	7.6	8.4	11.0	16.0	18.6	16.9
75°	11.8	7.6	5.1	3.4	3.4	5.1	6.7	11.0	16.0	17.7	14.3
77.5°	0.8	1.7	0.8	0.8	2.5	5.1	7.6	13.5	21.1	21.9	16.0
80°	0.8	0.8	0.0	0.8	2.5	5.1	8.4	15.2	23.6	25.3	13.5
82.5°	0.0	0.0	0.0	0.8	3.4	6.7	10.1	16.0	21.9	27.0	14.3
85°	0.0	0.0	0.0	0.8	5.1	9.3	11.8	4.2	2.5	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: P526989

CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3
2.5°	1813.8	1791.9	1783.4	1791.0	1788.5	1785.9	1832.3	1822.2	1820.5	1835.7	1832.3
5°	1361.6	1322.8	1429.1	1386.1	1430.8	1457.8	1462.8	1465.4	1496.6	1463.7	1506.7
7.5°	970.2	980.3	979.4	1008.1	1059.6	1105.1	1132.1	1111.1	1109.4	1105.1	1086.6
10°	775.3	757.6	754.2	747.4	763.5	802.3	835.2	809.0	790.5	815.8	808.2
12.5°	633.6	609.1	595.6	568.6	569.4	595.6	595.6	595.6	614.2	628.5	639.5
15°	485.9	465.7	465.7	438.7	432.8	433.6	447.1	448.8	478.3	486.8	491.0
17.5°	340.0	329.0	341.7	352.6	345.9	347.6	352.6	354.3	358.5	355.2	363.6
20°	261.5	259.8	263.2	282.6	297.0	305.4	299.5	291.0	286.0	274.2	274.2
22.5°	221.9	225.2	231.2	247.2	265.7	270.8	264.1	244.7	229.5	227.8	228.6
25°	197.4	200.8	210.1	220.2	230.3	238.7	232.0	217.7	209.2	201.6	201.6
27.5°	182.2	183.9	189.0	196.6	205.0	211.7	209.2	201.6	192.3	189.0	181.4
30°	170.4	172.9	178.8	180.5	188.1	191.5	187.3	185.6	179.7	175.5	172.9
32.5°	164.5	163.7	167.9	169.6	170.4	172.9	167.9	170.4	169.6	162.8	160.3
35°	124.0	130.8	141.7	151.0	153.5	156.9	156.1	152.7	143.4	135.8	126.5
37.5°	111.4	115.6	121.5	129.1	139.2	143.4	141.7	133.3	122.3	117.3	115.6
40°	102.9	105.5	110.5	115.6	125.7	133.3	127.4	119.8	111.4	107.1	104.6
42.5°	95.3	96.2	98.7	103.8	111.4	123.2	113.0	102.9	99.5	97.0	95.3
45°	86.9	86.9	90.3	92.8	101.2	112.2	102.1	92.8	91.1	89.4	88.6
47.5°	80.1	81.0	82.7	86.0	92.8	100.4	93.6	86.0	81.8	81.0	79.3
50°	71.7	72.6	75.9	79.3	87.7	92.0	87.7	79.3	75.1	72.6	72.6
52°	65.0	67.5	70.9	77.6	83.5	90.3	85.2	75.9	70.9	68.3	66.6
52.5°	64.1	65.8	69.2	76.8	83.5	89.4	84.4	75.1	69.2	67.5	65.8
55°	57.4	59.9	65.8	75.1	82.7	89.4	82.7	74.2	65.8	61.6	59.9
57.5°	54.8	56.5	64.1	75.9	81.8	89.4	82.7	74.2	65.8	58.2	56.5
60°	52.3	55.7	64.1	73.4	81.0	90.3	83.5	73.4	64.1	54.8	54.8
62.5°	49.8	52.3	63.3	71.7	77.6	86.9	80.1	71.7	61.6	52.3	51.5
65°	43.0	47.2	55.7	59.9	66.6	75.1	68.3	62.4	54.0	46.4	45.6
67.5°	32.9	34.6	41.3	46.4	50.6	58.2	54.8	47.2	41.3	35.4	35.4
70°	22.8	24.5	29.5	32.1	36.3	40.5	38.0	32.1	27.8	24.5	23.6
72.5°	16.0	16.9	18.6	20.2	21.9	23.6	22.8	18.6	16.0	15.2	14.3
75°	12.7	14.3	15.2	14.3	13.5	12.7	12.7	11.0	9.3	8.4	8.4
77.5°	12.7	13.5	12.7	11.0	9.3	8.4	7.6	6.7	5.1	4.2	5.1
80°	11.0	11.0	11.0	9.3	8.4	7.6	6.7	5.9	5.1	4.2	4.2
82.5°	11.8	11.8	11.0	9.3	9.3	7.6	7.6	6.7	5.9	4.2	4.2
85°	0.0	0.0	0.0	1.7	4.2	7.6	7.6	6.7	5.9	5.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.8	1.7	3.4	4.2	5.1	5.1	5.1
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: P526989

CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3
2.5°	1862.7	1894.8	1955.5	2016.3	2053.4	2097.2	2176.5	2218.7	2273.6	2300.6	2353.7
5°	1500.8	1576.7	1603.7	1672.9	1747.1	1821.4	1939.5	2069.4	2177.4	2251.6	2347.8
7.5°	1095.0	1112.7	1217.3	1263.7	1385.2	1520.2	1681.3	1845.0	1981.7	2103.2	2176.5
10°	820.8	885.8	951.6	1040.2	1138.0	1277.2	1431.6	1612.2	1789.3	1910.8	2003.6
12.5°	659.7	711.2	798.9	894.2	1014.9	1106.8	1262.1	1440.9	1670.4	1789.3	1911.6
15°	499.4	565.2	664.8	763.5	890.9	987.9	1144.8	1370.0	1665.3	1829.0	1934.4
17.5°	370.4	415.1	504.5	615.0	744.9	881.6	1093.3	1362.5	1721.8	1916.7	2025.5
20°	283.5	298.6	355.2	453.9	594.8	773.6	1009.8	1395.4	1888.9	2130.1	2240.7
22.5°	229.5	236.2	258.1	326.5	463.1	679.1	970.2	1418.1	2077.0	2385.8	2533.4
25°	199.9	198.3	212.6	242.1	361.9	590.5	919.5	1504.2	2307.3	2686.1	2818.5
27.5°	182.2	182.2	189.0	210.1	300.3	533.2	887.5	1565.8	2539.3	2950.1	3021.9
30°	172.9	174.6	194.0	200.8	249.7	464.8	834.3	1628.2	2761.2	3118.9	3217.6
32.5°	160.3	153.5	149.3	166.2	210.1	403.3	781.2	1654.3	2940.9	3325.6	3409.9
35°	123.2	119.8	124.9	137.5	180.5	350.9	722.1	1683.9	3147.6	3565.2	3582.0
37.5°	111.4	110.5	113.9	124.9	151.9	305.4	680.0	1676.3	3305.3	3763.4	3717.8
40°	102.9	102.9	105.5	114.7	135.8	273.3	636.1	1669.5	3458.0	3986.1	3852.8
42.5°	96.2	96.2	100.4	106.3	129.1	252.2	603.2	1660.2	3586.2	4122.8	3932.1
45°	86.9	89.4	96.2	102.1	130.8	237.9	578.7	1624.8	3630.1	4121.1	3894.2
47.5°	80.1	83.5	90.3	98.7	118.1	233.7	561.9	1593.6	3614.9	4019.9	3775.2
50°	72.6	76.8	86.0	100.4	100.4	225.2	544.1	1621.4	3604.0	3941.4	3661.3
52°	67.5	70.9	82.7	97.9	87.7	207.5	533.2	1675.4	3648.7	3931.3	3610.7
52.5°	66.6	69.2	80.1	96.2	83.5	204.2	525.6	1688.1	3663.0	3906.0	3645.3
55°	59.1	62.4	73.4	75.1	68.3	167.9	501.1	1716.8	3592.1	3856.2	3612.4
57.5°	55.7	57.4	65.0	61.6	59.1	126.5	431.1	1672.1	3190.6	3425.1	3361.0
60°	51.5	53.1	60.7	48.1	49.8	88.6	324.0	1451.9	2562.1	2854.0	2969.6
62.5°	49.8	48.9	57.4	38.8	42.2	64.1	228.6	1180.2	1974.1	2349.5	2549.4
65°	43.9	43.0	41.3	32.9	36.3	49.8	136.7	770.2	1391.1	1777.5	1887.2
67.5°	33.7	35.4	30.4	26.2	30.4	38.8	75.9	345.0	729.7	1066.3	1154.9
70°	23.6	25.3	24.5	22.8	27.0	32.1	43.9	118.1	302.0	560.2	617.5
72.5°	14.3	17.7	18.6	19.4	23.6	27.8	31.2	38.0	80.1	198.3	246.3
75°	8.4	11.8	14.3	16.9	19.4	23.6	26.2	27.0	27.8	37.1	59.9
77.5°	5.9	8.4	12.7	16.0	19.4	23.6	27.8	29.5	27.8	26.2	27.8
80°	5.1	8.4	11.8	15.2	20.2	24.5	27.8	27.8	27.0	23.6	25.3
82.5°	5.1	8.4	12.7	16.0	19.4	23.6	27.0	27.8	25.3	23.6	24.5
85°	5.9	9.3	13.5	16.9	21.1	19.4	17.7	14.3	13.5	11.0	11.8
87.5°	5.9	8.4	8.4	9.3	10.1	10.1	10.1	9.3	7.6	6.7	6.7
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: P526989

CATALOG NUMBER: GALN-SA2A-727-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3	2156.3
2.5°	2356.2	2423.7	2421.2	2422.9	2412.8	2344.4	2311.5	2228.0	2251.6	2241.5
5°	2446.5	2513.2	2570.5	2563.8	2486.2	2393.4	2255.8	2125.9	2090.5	2038.2
7.5°	2356.2	2516.5	2569.7	2562.1	2447.3	2328.4	2109.1	1979.1	1917.6	1883.0
10°	2212.8	2398.4	2464.2	2477.7	2400.1	2219.6	2017.9	1809.6	1776.7	1716.8
12.5°	2131.0	2266.0	2306.5	2342.7	2315.7	2180.8	1948.8	1748.8	1703.3	1663.6
15°	2064.3	2144.5	2161.4	2202.7	2218.7	2146.2	1985.0	1814.6	1702.4	1698.2
17.5°	2125.9	2093.0	2031.4	2044.1	2094.7	2147.0	2078.7	1944.6	1835.7	1822.2
20°	2228.0	2082.9	1943.7	1974.9	2017.1	2177.4	2220.4	2125.9	2063.5	2028.9
22.5°	2345.3	2100.6	1915.9	1931.1	2011.2	2245.7	2449.9	2397.6	2281.2	2231.4
25°	2562.1	2149.6	1937.8	1947.9	2057.6	2341.1	2657.4	2696.2	2627.0	2616.9
27.5°	2773.8	2276.1	1985.9	1963.1	2081.2	2433.9	2783.1	2991.5	2870.0	2846.4
30°	2881.8	2379.0	2057.6	2018.8	2179.1	2490.4	2859.0	3183.8	3077.5	3066.6
32.5°	3047.2	2472.7	2113.3	2063.5	2233.9	2560.4	3000.8	3393.9	3291.0	3236.1
35°	3116.3	2574.7	2235.6	2177.4	2390.8	2658.3	3073.3	3581.2	3549.1	3496.0
37.5°	3249.6	2684.4	2379.9	2376.5	2580.6	2785.6	3204.1	3836.0	3830.0	3738.1
40°	3260.6	2804.2	2607.6	2713.9	2874.2	3007.5	3318.8	3906.8	4003.0	3940.6
42.5°	3277.5	3014.3	3001.6	3089.3	3226.9	3198.2	3323.0	3923.7	4070.5	4033.4
45°	3285.1	3224.3	3402.3	3564.3	3621.7	3447.9	3283.4	3891.6	4105.9	4013.1
47.5°	3224.3	3404.9	3726.3	4039.3	4056.1	3601.4	3266.5	3858.7	4127.0	4065.4
50°	3232.8	3517.9	4006.4	4286.4	4224.9	3737.2	3240.4	3838.5	4116.0	4074.7
52°	3212.5	3520.4	4046.0	4281.4	4238.4	3662.2	3195.6	3760.9	4105.9	4135.4
52.5°	3235.3	3505.3	4004.7	4284.8	4229.1	3699.3	3189.7	3803.9	4111.8	4051.9
55°	3156.8	3324.7	3762.6	3881.5	3873.1	3357.6	3008.4	3661.3	3957.4	3958.3
57.5°	2853.1	2881.8	2951.0	2948.5	2909.7	2639.7	2573.0	3366.9	3528.0	3440.3
60°	2514.0	2109.9	1923.5	1847.5	1804.5	1760.6	2276.1	3080.1	3095.3	3058.1
62.5°	2172.3	1462.8	1214.8	1193.7	1203.8	1364.1	2200.2	2966.2	2875.1	2794.9
65°	1753.0	1066.3	882.4	854.6	953.3	1126.2	1780.9	2274.4	2134.4	2067.7
67.5°	1100.9	777.8	596.4	544.1	663.1	775.3	1170.1	1429.1	1272.2	1180.2
70°	653.0	434.5	270.0	242.1	272.5	413.4	655.5	712.9	589.7	542.4
72.5°	257.3	159.4	75.1	64.1	66.6	145.1	241.3	235.4	178.0	158.6
75°	69.2	48.1	26.2	21.1	17.7	27.0	38.8	25.3	9.3	11.8
77.5°	32.1	28.7	22.8	17.7	13.5	10.1	5.1	1.7	1.7	0.8
80°	27.8	24.5	21.1	17.7	13.5	8.4	4.2	0.8	0.8	0.8
82.5°	26.2	22.8	19.4	16.0	12.7	8.4	4.2	0.8	0.0	0.0
85°	11.0	14.3	16.0	15.2	13.5	8.4	4.2	0.8	0.0	0.0
87.5°	5.9	5.1	4.2	3.4	2.5	1.7	1.7	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)