

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: P526988

Luminaire Tested: **GALN-SA2A-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
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-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5728 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

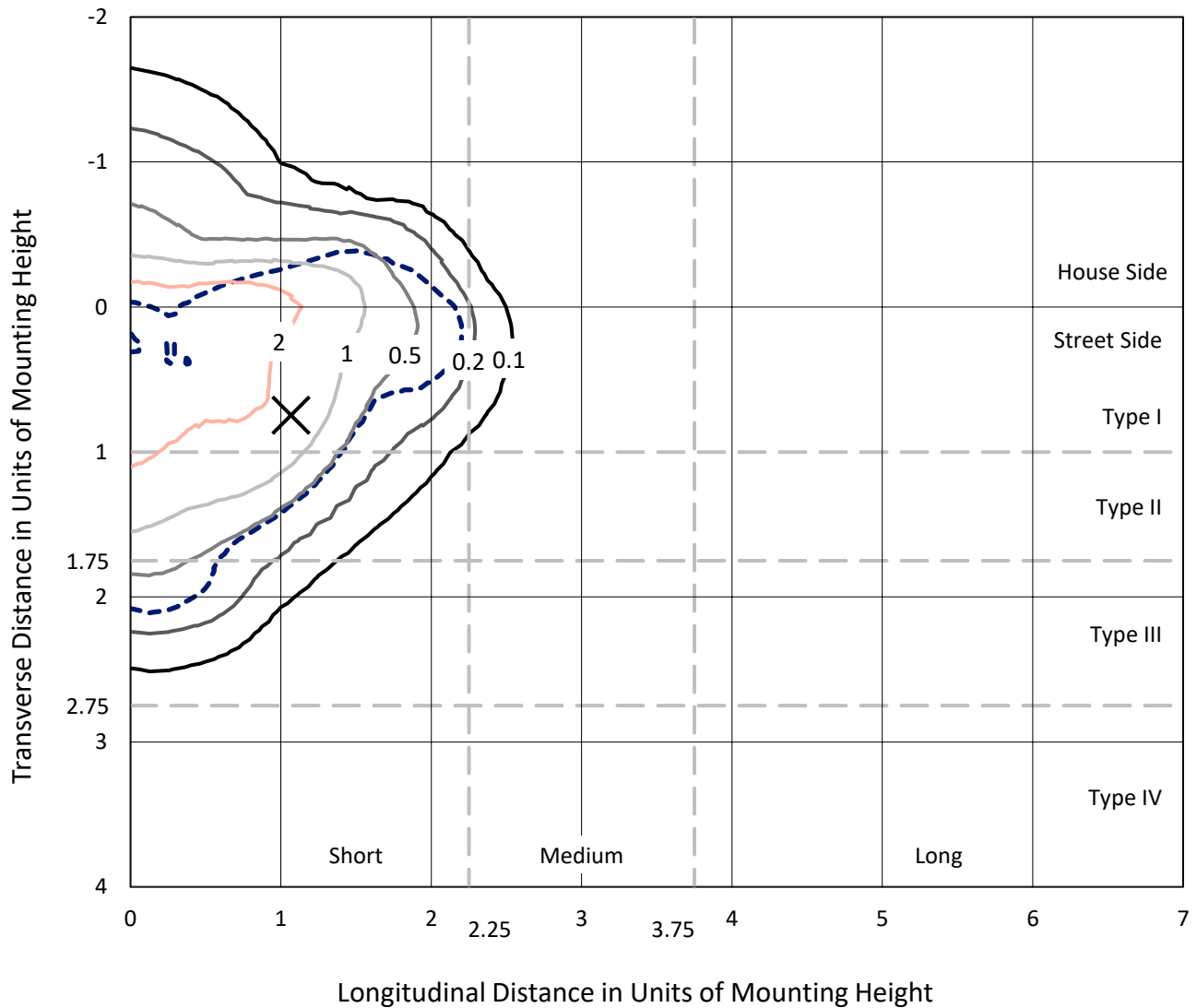
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

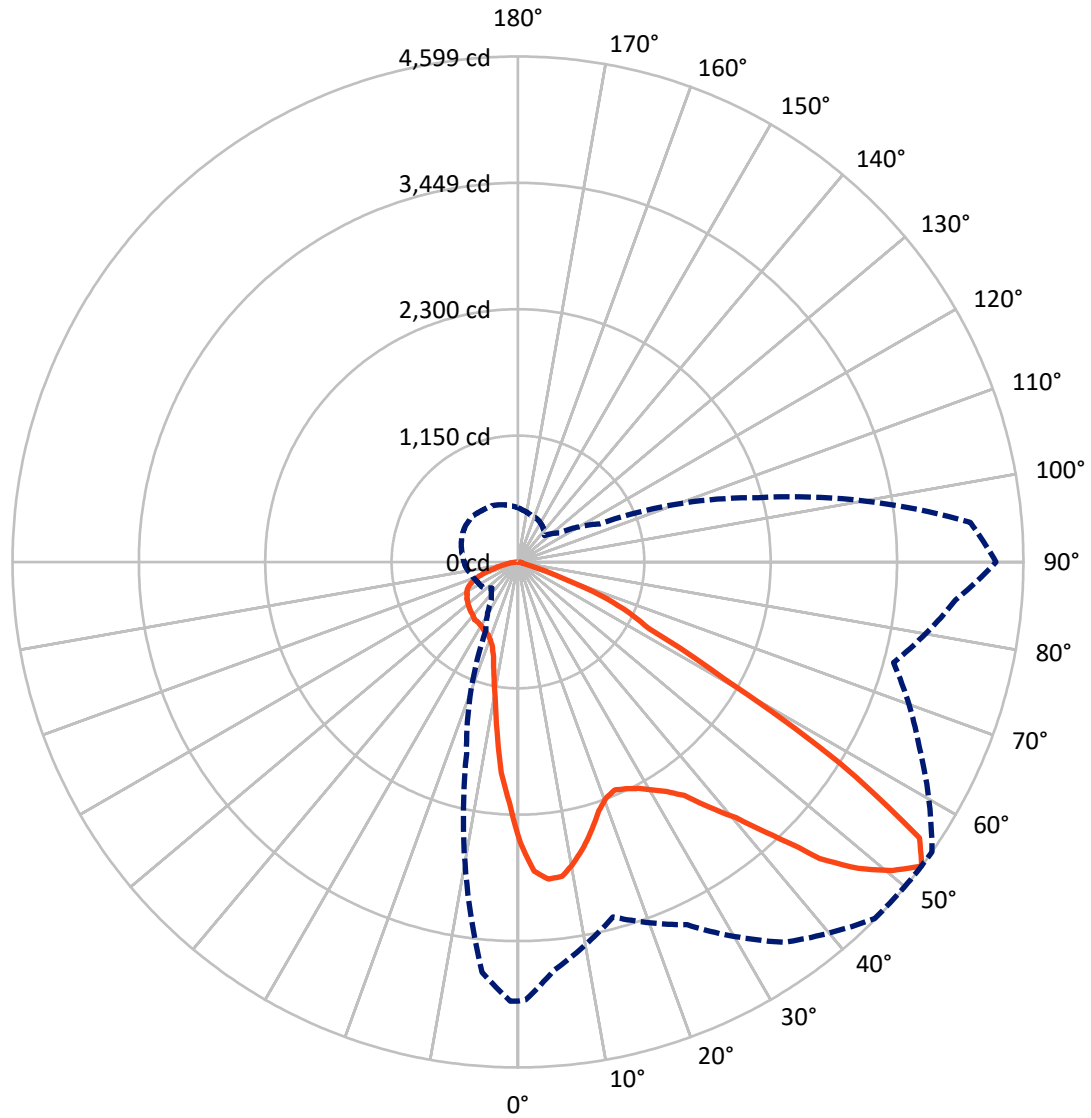
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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 CATALOG NUMBER: GALN-SA2A-727-U-SLL-GRSWH

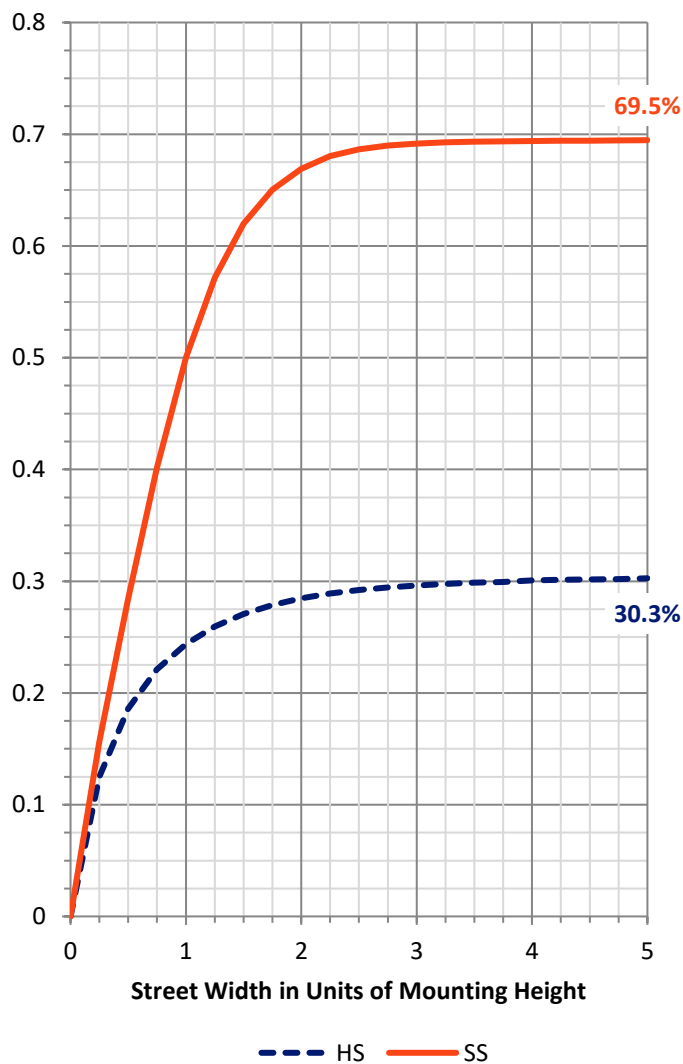
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1747.3	0.0	1747.3
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	3980.7	0.0	3980.7
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	5728.0	0.0	5728.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.2	3.4
10°-20°	420.9	7.3
20°-30°	638.2	11.1
30°-40°	922.1	16.1
40°-50°	1232.2	21.5
50°-60°	1375.4	24.0
60°-70°	754.5	13.2
70°-80°	163.1	2.8
80°-90°	26.4	0.5
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°	5728.0	100.0
0°-180°	5728.0	100.0

**Coefficient of Utilization**



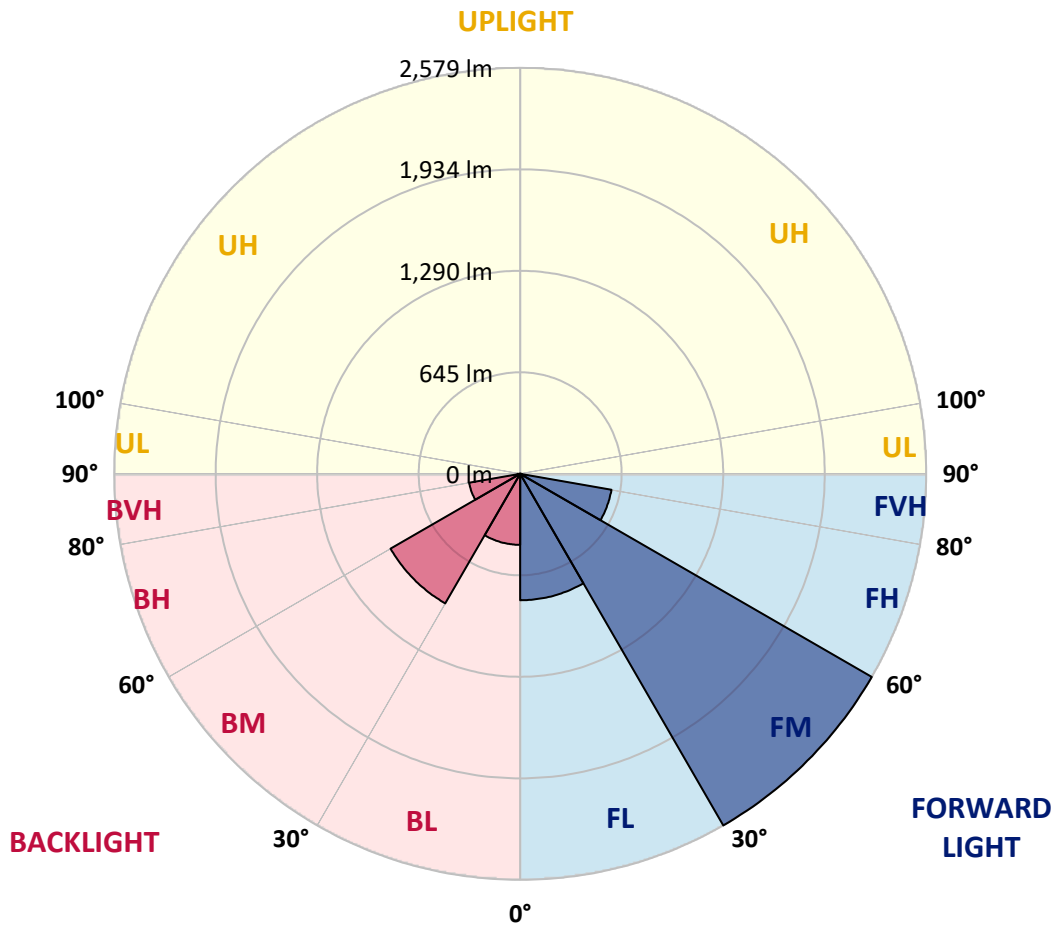
REPORT NUMBER: P526988  
 CATALOG NUMBER: GALN-SA2A-727-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	803.2	14.0			
FM (30°-60°)	2579.0	45.0			
FH (60°-80°)	588.7	10.3			G0/660
FVH (80°-90°)	9.8	0.2			G0/10
BL (0°-30°)	451.1	7.9	B1/500		
BM (30°-60°)	950.7	16.6	B1/1000		
BH (60°-80°)	328.9	5.7	B1/500		G1/500
BVH (80°-90°)	16.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1
2.5°	2681.4	2666.4	2679.8	2743.3	2780.1	2805.2	2821.1	2818.6	2758.4	2699.8	2699.8
5°	2602.8	2583.6	2611.2	2755.0	2899.7	2912.3	2933.2	2898.9	2810.2	2703.2	2569.3
7.5°	2375.3	2389.5	2435.5	2624.6	2812.7	2907.2	2932.3	2888.8	2745.0	2545.1	2348.5
10°	2178.8	2212.2	2318.4	2522.5	2695.6	2818.6	2846.2	2785.1	2671.4	2426.3	2250.7
12.5°	2111.0	2090.1	2208.0	2412.1	2577.7	2643.8	2656.3	2660.5	2583.6	2366.1	2152.0
15°	2102.7	2116.0	2208.0	2362.8	2464.8	2468.1	2489.1	2521.7	2531.7	2407.1	2198.0
17.5°	2223.1	2207.2	2301.7	2424.7	2376.1	2327.6	2332.7	2379.5	2462.3	2442.2	2342.7
20°	2401.2	2437.2	2511.6	2499.1	2368.6	2245.7	2246.5	2290.8	2453.9	2587.7	2544.3
22.5°	2697.3	2732.4	2787.6	2636.3	2368.6	2221.4	2193.0	2253.2	2507.5	2760.9	2771.8
25°	2967.5	3031.9	3046.9	2868.8	2487.4	2244.0	2225.6	2285.0	2561.0	2929.8	3032.7
27.5°	3213.4	3236.8	3302.9	3018.5	2553.5	2259.1	2257.4	2333.5	2628.7	3014.3	3266.1
30°	3407.4	3404.9	3442.5	3113.0	2658.8	2343.5	2262.4	2406.3	2717.4	3154.0	3481.8
32.5°	3539.5	3568.0	3647.4	3244.3	2703.2	2423.8	2360.3	2491.6	2825.3	3220.1	3634.1
35°	3772.1	3821.4	3721.0	3317.1	2843.7	2503.3	2428.8	2607.8	2878.8	3292.0	3820.6
37.5°	3991.2	3953.6	3851.5	3356.4	2934.8	2650.5	2581.1	2832.8	3045.2	3448.4	3944.4
40°	4131.7	4130.9	3949.4	3388.2	2999.2	2875.5	2871.3	3061.1	3249.3	3547.1	4083.2
42.5°	4192.8	4251.3	3989.5	3384.8	3134.7	3148.1	3232.6	3402.4	3394.0	3567.1	4079.8
44°	4276.4	4311.5	4058.9	3392.3	3225.1	3332.1	3531.2	3639.1	3520.3	3556.3	4075.7
45°	4273.0	4275.6	3960.2	3402.4	3302.0	3486.0	3664.2	3846.5	3631.5	3532.9	4130.9
47.5°	4175.2	4146.8	3876.6	3327.9	3542.1	3892.5	4057.3	4167.7	3768.7	3482.7	4062.3
50°	3982.0	3949.4	3673.4	3296.2	3592.2	4145.1	4372.6	4412.7	3893.3	3433.3	3994.5
52.5°	3995.4	3986.2	3731.1	3343.8	3642.4	4224.5	4589.2	4599.2	4034.7	3537.0	3995.4
55°	4234.6	4202.8	3896.7	3403.2	3605.6	4131.7	4451.2	4433.6	3987.0	3474.3	4069.0
57.5°	3874.9	3895.8	3667.5	3168.2	3155.6	3358.9	3499.4	3455.9	3327.1	3135.6	3785.4
60°	3126.4	3185.8	3207.5	2649.6	2381.2	2276.6	2234.8	2157.9	2179.6	2576.0	3325.4
62.5°	2681.4	2678.1	2814.4	2402.1	1559.8	1341.5	1321.5	1339.0	1590.0	2535.9	3256.9
65°	2126.1	2182.9	2224.8	2035.7	1234.5	996.1	995.3	1106.5	1375.8	2119.4	2629.6
67.5°	1349.9	1424.3	1476.2	1302.2	825.5	709.2	690.0	823.8	953.5	1390.1	1583.3
70°	761.1	796.2	819.6	751.1	525.2	368.0	346.3	378.0	576.3	899.9	938.4
72.5°	293.6	309.5	341.2	343.8	198.2	118.8	96.2	115.4	242.5	356.3	339.6
75°	45.2	48.5	68.6	82.0	56.9	43.5	46.0	47.7	67.7	92.0	76.9
77.5°	21.7	21.7	20.9	24.3	28.4	30.9	33.5	36.8	40.1	44.3	42.7
80°	14.2	14.2	14.2	16.7	20.9	25.1	28.4	30.1	31.8	35.1	33.5
82.5°	9.2	9.2	9.2	12.5	16.7	20.9	22.6	26.8	30.1	35.1	32.6
85°	5.0	5.0	5.0	8.4	12.5	17.6	16.7	13.4	7.5	0.8	1.7
87.5°	1.7	1.7	1.7	1.7	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: P526988

CATALOG NUMBER: GALN-SA2A-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1
2.5°	2629.6	2591.1	2587.7	2509.1	2438.9	2404.6	2377.0	2300.0	2316.8	2272.4	2271.6
5°	2502.4	2423.8	2296.7	2192.1	2087.6	2066.7	1975.5	1896.1	1898.6	1841.7	1851.7
7.5°	2274.1	2219.7	2065.0	1901.1	1762.2	1663.6	1577.4	1525.6	1459.5	1436.9	1425.2
10°	2129.4	2062.5	1888.5	1682.8	1527.2	1474.5	1391.7	1345.7	1278.0	1244.5	1221.1
12.5°	2065.9	1968.0	1750.5	1541.4	1437.7	1383.4	1313.1	1229.5	1149.2	1118.2	1075.6
15°	2072.5	1955.4	1710.4	1484.6	1359.9	1254.6	1191.8	1099.0	1017.0	962.7	931.7
17.5°	2173.7	2031.6	1728.8	1441.1	1262.1	1129.9	1007.0	906.6	841.4	800.4	790.4
20°	2412.9	2219.7	1759.7	1370.8	1164.2	999.5	848.1	743.5	693.4	692.5	693.4
22.5°	2612.0	2420.5	1822.5	1329.0	1066.4	832.2	681.6	648.2	638.2	659.1	661.6
25°	2880.5	2646.3	1930.4	1307.3	976.1	709.2	616.4	603.9	603.0	629.8	630.6
27.5°	3155.6	2843.7	1994.8	1243.7	884.1	645.7	577.1	574.6	588.0	616.4	613.9
30°	3343.0	3009.3	2111.0	1167.6	775.3	589.6	561.2	564.6	583.0	604.7	608.0
32.5°	3561.3	3172.4	2141.1	1125.8	708.4	542.8	522.7	530.3	553.7	588.0	606.4
35°	3811.4	3287.8	2187.1	1068.9	683.3	506.8	496.8	505.2	533.6	556.2	576.3
37.5°	3996.2	3491.9	2195.5	1024.6	655.7	486.8	470.9	498.5	515.2	547.0	557.0
40°	4133.4	3639.9	2217.2	997.0	634.0	460.8	460.8	479.2	501.8	531.1	551.2
42.5°	4221.2	3747.8	2233.1	971.9	592.2	453.3	449.1	467.5	497.6	526.1	535.3
44°	4274.7	3793.8	2217.2	948.5	580.4	444.1	444.1	460.0	483.4	516.9	527.8
45°	4288.1	3851.5	2182.1	947.6	566.2	433.2	431.6	461.7	477.6	518.6	525.2
47.5°	4340.0	3922.6	2186.3	920.9	531.9	407.3	436.6	450.0	464.2	500.2	522.7
50°	4338.3	3966.9	2177.1	881.5	506.8	378.0	426.6	441.6	455.8	492.6	501.8
52.5°	4350.0	4132.5	2261.6	818.8	461.7	340.4	393.1	426.6	444.1	475.1	494.3
55°	4344.1	4227.0	2345.2	772.0	398.1	317.8	364.7	404.0	429.1	461.7	470.9
57.5°	3967.8	3736.1	2170.4	684.2	329.5	291.1	324.5	380.6	412.3	445.8	457.5
60°	3241.8	2879.6	1789.8	503.5	271.0	267.6	301.9	373.0	386.4	415.7	435.8
62.5°	2995.9	2525.9	1419.3	384.7	231.7	245.1	278.5	337.1	358.0	393.9	412.3
65°	2344.4	1677.8	879.0	260.1	204.1	220.0	251.7	295.2	329.5	363.0	384.7
67.5°	1388.4	916.7	434.9	182.3	178.1	194.9	227.5	260.1	299.4	336.2	347.1
70°	756.1	450.8	185.7	138.8	151.4	166.4	198.2	220.8	258.4	286.9	305.3
72.5°	242.5	137.2	92.8	102.9	115.4	133.0	152.2	179.8	206.6	223.3	238.4
75°	58.5	57.7	66.1	71.9	83.6	97.0	112.9	127.1	148.0	163.9	177.3
77.5°	41.0	44.3	51.0	59.4	63.6	68.6	78.6	89.5	98.7	110.4	118.8
80°	31.8	34.3	39.3	43.5	47.7	51.9	56.9	61.1	66.9	74.4	78.6
82.5°	30.1	31.8	36.8	39.3	37.6	36.8	40.1	41.8	42.7	45.2	47.7
85°	2.5	0.0	1.7	5.9	14.2	20.9	22.6	22.6	21.7	23.4	23.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.3	2.5
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°	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1
2.5°	2261.6	2233.1	2244.0	2257.4	2238.1	2193.8	2205.5	2200.5	2245.7	2242.3	2287.5
5°	1896.1	1851.7	1856.8	1922.0	1901.1	1923.7	1878.5	1872.6	1881.0	1885.2	1892.7
7.5°	1451.1	1445.3	1495.4	1550.6	1576.6	1549.8	1505.5	1495.4	1486.2	1467.8	1509.7
10°	1184.3	1186.0	1182.6	1224.5	1253.7	1247.9	1221.1	1217.8	1200.2	1193.5	1216.9
12.5°	1057.2	1034.6	1023.7	1010.3	1032.9	1048.0	1036.3	1027.9	1028.7	1037.1	1040.5
15°	934.2	920.0	896.6	881.5	892.4	884.9	880.7	897.4	893.3	891.6	911.7
17.5°	796.2	807.9	806.3	789.5	803.8	797.9	797.1	785.4	769.5	757.8	764.4
20°	705.1	726.8	743.5	744.4	751.9	751.1	738.5	702.6	690.8	688.3	690.0
22.5°	672.4	684.2	704.2	732.7	732.7	719.3	704.2	662.4	651.5	639.8	634.8
25°	646.5	669.1	695.0	698.4	711.8	699.2	675.0	654.0	631.5	615.6	615.6
27.5°	633.1	658.2	677.5	683.3	701.7	691.7	666.6	639.8	613.1	612.2	598.0
30°	627.3	650.7	663.2	677.5	685.8	669.9	662.4	634.0	607.2	600.5	577.1
32.5°	609.7	643.2	666.6	663.2	669.9	663.2	652.4	629.0	598.8	583.8	581.3
35°	589.6	623.1	648.2	665.8	669.9	655.7	649.0	617.2	576.3	568.7	542.8
37.5°	578.8	598.8	629.8	658.2	664.1	656.6	634.0	601.4	560.4	552.0	529.4
40°	565.4	591.3	615.6	639.0	656.6	638.2	612.2	580.4	562.0	537.0	530.3
42.5°	555.4	584.6	604.7	630.6	650.7	626.4	596.3	574.6	548.7	531.9	512.7
44°	552.0	578.8	592.2	623.9	640.7	622.3	597.2	574.6	544.5	529.4	512.7
45°	540.3	577.1	591.3	619.8	634.0	618.9	587.1	564.6	542.8	524.4	506.8
47.5°	528.6	553.7	577.9	600.5	610.6	605.5	578.8	551.2	525.2	514.4	497.6
50°	525.2	550.3	572.9	593.8	605.5	595.5	571.2	544.5	514.4	496.8	482.6
52.5°	508.5	539.5	564.6	571.2	586.3	580.4	562.0	532.8	504.3	489.3	477.6
55°	484.3	516.9	551.2	559.5	581.3	572.1	544.5	516.9	492.6	470.0	455.0
57.5°	475.1	506.8	540.3	551.2	564.6	549.5	542.8	513.5	475.1	463.4	439.9
60°	451.6	491.8	519.4	544.5	545.3	541.1	529.4	496.0	464.2	442.4	425.7
62.5°	433.2	470.9	492.6	516.0	530.3	518.6	506.8	475.9	441.6	417.4	398.1
65°	406.5	440.8	459.2	473.4	489.3	487.6	467.5	445.0	409.0	389.8	371.4
67.5°	365.5	395.6	420.7	434.1	444.1	441.6	426.6	410.7	373.9	354.6	341.2
70°	316.2	347.1	363.0	370.5	380.6	385.6	373.9	366.3	333.7	308.6	296.1
72.5°	254.3	274.3	297.8	304.4	308.6	312.0	312.0	305.3	271.8	261.8	240.0
75°	187.3	203.2	220.8	220.8	228.3	229.2	230.8	226.7	201.6	188.2	183.2
77.5°	127.1	138.8	153.1	158.9	163.9	163.1	162.3	150.5	137.2	131.3	126.3
80°	82.8	94.5	101.2	108.7	113.7	112.9	114.6	106.2	100.4	90.3	92.0
82.5°	49.3	58.5	65.2	74.4	74.4	76.9	76.9	74.4	68.6	63.6	63.6
85°	23.4	30.9	35.1	41.0	44.3	45.2	40.1	34.3	28.4	25.9	28.4
87.5°	4.2	5.9	8.4	7.5	9.2	8.4	8.4	8.4	8.4	6.7	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: P526988

CATALOG NUMBER: GALN-SA2A-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1	2555.1
2.5°	2270.8	2312.6	2341.9	2390.4	2474.0	2540.9	2609.5	2660.5	2666.4	2681.4
5°	1920.3	1942.9	2017.3	2114.4	2182.9	2295.9	2368.6	2500.8	2550.1	2602.8
7.5°	1499.6	1536.4	1636.0	1701.2	1851.7	1993.1	2139.5	2302.5	2367.8	2375.3
10°	1264.6	1318.1	1385.9	1490.4	1572.4	1729.6	1912.0	2093.5	2166.2	2178.8
12.5°	1110.7	1179.3	1269.6	1344.9	1423.5	1560.7	1735.5	1959.6	2054.1	2111.0
15°	962.7	1033.8	1133.3	1237.8	1307.3	1471.2	1676.9	1929.5	2052.5	2102.7
17.5°	810.4	876.5	958.5	1071.4	1211.1	1395.1	1667.7	2029.9	2164.5	2223.1
20°	680.0	716.8	812.1	928.4	1103.2	1317.3	1671.1	2177.9	2375.3	2401.2
22.5°	629.0	637.3	675.0	782.0	973.5	1237.8	1730.5	2387.9	2612.0	2697.3
25°	589.6	588.0	598.0	669.9	879.0	1206.9	1789.0	2581.1	2874.6	2967.5
27.5°	567.9	551.2	552.0	619.8	812.1	1156.7	1864.3	2802.7	3172.4	3213.4
30°	557.0	553.7	543.6	571.2	739.4	1081.4	1876.8	3021.0	3348.0	3407.4
32.5°	550.3	517.7	505.2	515.2	670.8	999.5	1923.7	3164.8	3565.5	3539.5
35°	516.9	487.6	479.2	489.3	622.3	953.5	1892.7	3290.3	3728.6	3772.1
37.5°	504.3	478.4	461.7	453.3	577.1	915.0	1876.8	3483.5	3886.6	3991.2
40°	492.6	465.0	445.0	436.6	542.0	864.0	1871.8	3632.4	4069.0	4131.7
42.5°	479.2	461.7	439.1	424.0	499.3	813.0	1814.1	3678.4	4125.0	4192.8
44°	475.1	448.3	424.9	419.9	482.6	787.0	1802.4	3720.2	4173.5	4276.4
45°	470.9	445.8	419.0	412.3	476.7	772.8	1786.5	3730.2	4253.8	4273.0
47.5°	459.2	443.3	417.4	399.0	464.2	741.9	1738.8	3673.4	4171.8	4175.2
50°	450.0	431.6	404.8	368.8	447.5	715.9	1760.6	3652.5	3974.5	3982.0
52.5°	439.9	412.3	397.3	335.4	419.9	694.2	1806.6	3747.0	3997.0	3995.4
55°	428.2	398.1	361.3	307.0	373.9	666.6	1917.8	3933.5	4206.1	4234.6
57.5°	409.8	383.9	331.2	281.9	321.2	613.9	1881.8	3576.3	3869.9	3874.9
60°	385.6	361.3	300.3	262.6	263.5	484.3	1682.8	2786.8	3053.6	3126.4
62.5°	362.2	348.8	274.3	235.0	224.1	385.6	1422.7	2315.9	2621.2	2681.4
65°	334.6	301.9	251.7	214.1	192.4	270.1	1007.8	1730.5	2044.9	2126.1
67.5°	299.4	264.3	221.6	188.2	164.8	180.7	520.2	983.6	1302.2	1349.9
70°	261.8	229.2	186.5	158.9	133.0	124.6	229.2	469.2	711.8	761.1
72.5°	214.9	184.8	148.9	125.5	99.5	86.1	76.9	125.5	252.6	293.6
75°	155.6	134.7	112.1	89.5	70.3	55.2	45.2	37.6	41.8	45.2
77.5°	114.6	97.9	82.8	63.6	49.3	39.3	30.9	23.4	22.6	21.7
80°	89.5	79.5	66.1	51.0	38.5	29.3	21.7	15.9	14.2	14.2
82.5°	70.3	65.2	54.4	41.8	31.8	23.4	15.9	10.9	9.2	9.2
85°	26.8	26.8	39.3	34.3	24.3	16.7	10.9	5.9	5.0	5.0
87.5°	6.7	6.7	6.7	6.7	5.9	5.0	5.0	2.5	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)