

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: P527222

Luminaire Tested: **GALN-SA2B-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527222
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-SA2B-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA 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: 7127 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

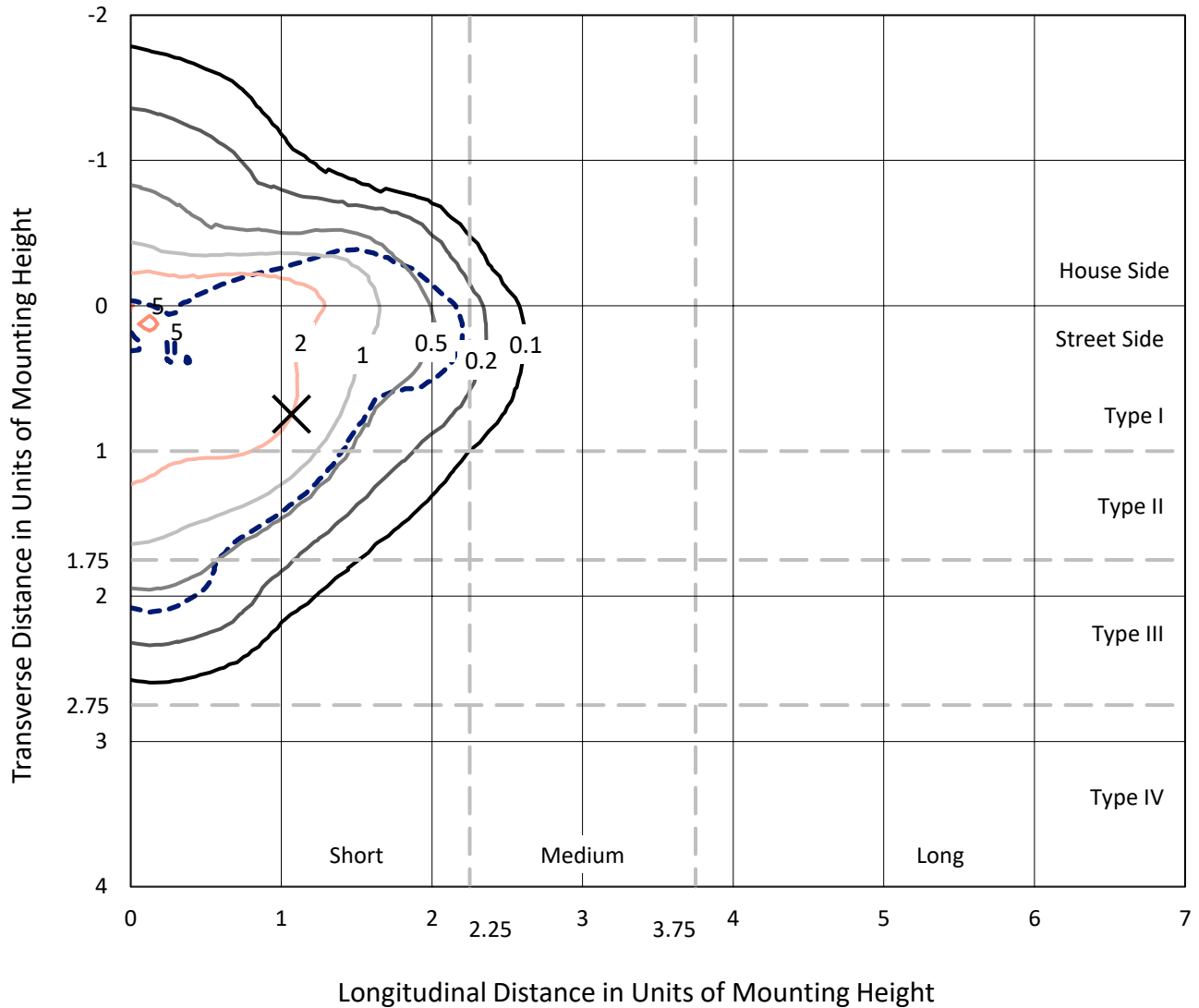
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

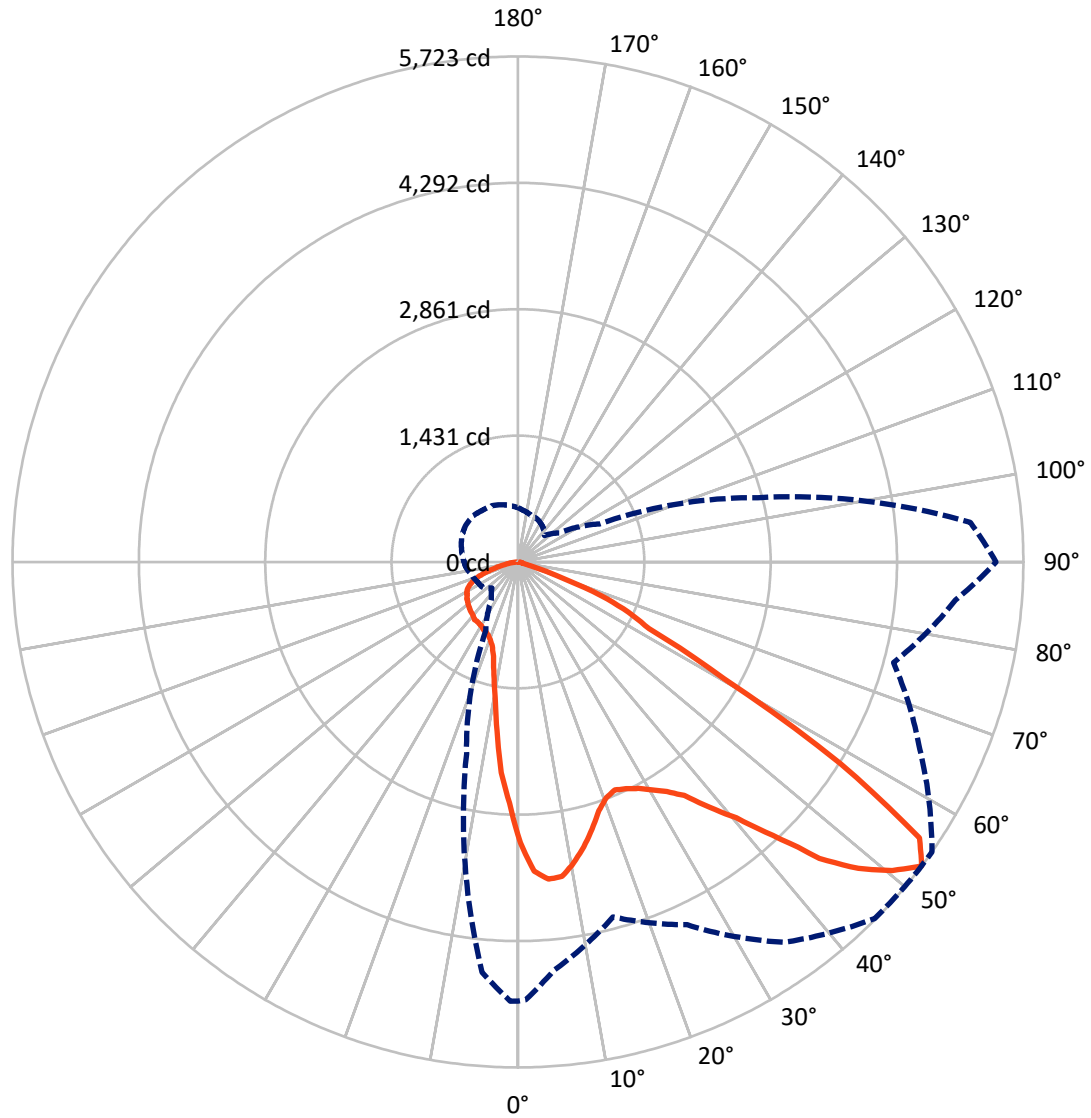
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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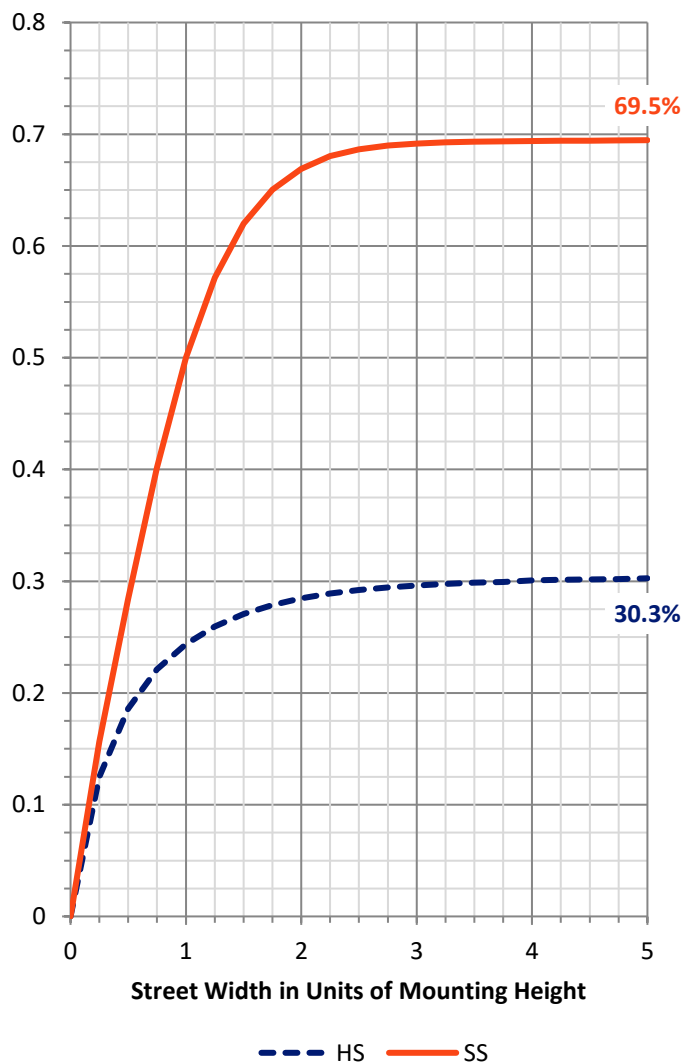
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2174.1	0.0	2174.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	4952.9	0.0	4952.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	7127.0	0.0	7127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	3.4
10°-20°	523.7	7.3
20°-30°	794.1	11.1
30°-40°	1147.3	16.1
40°-50°	1533.1	21.5
50°-60°	1711.3	24.0
60°-70°	938.7	13.2
70°-80°	203.0	2.8
80°-90°	32.8	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°	7127.0	100.0
0°-180°	7127.0	100.0

Coefficient of Utilization



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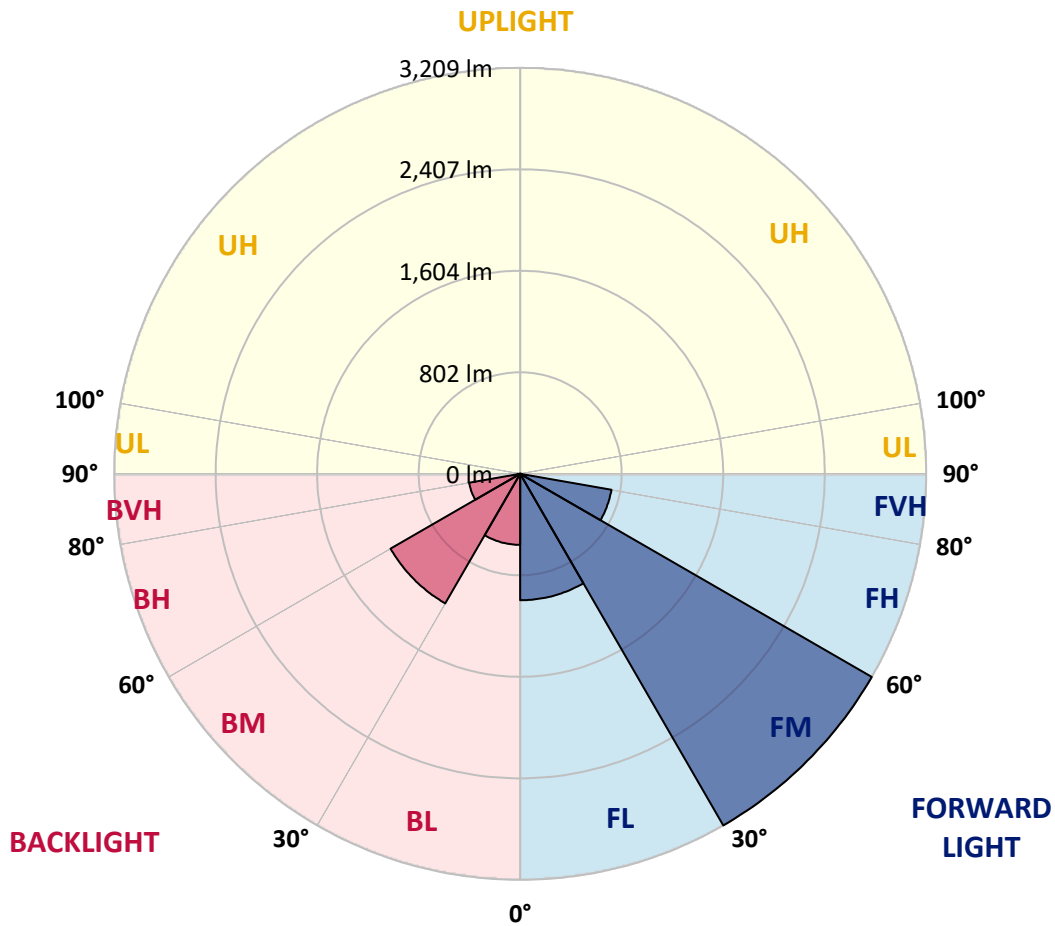
CATALOG NUMBER: GALN-SA2B-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	999.3	14.0			
FM (30°-60°)	3208.9	45.0			
FH (60°-80°)	732.5	10.3			G1/1800
FVH (80°-90°)	12.2	0.2			G1/100
BL (0°-30°)	561.3	7.9	B2/1000		
BM (30°-60°)	1182.9	16.6	B2/2500		
BH (60°-80°)	409.2	5.7	B1/500		G1/500
BVH (80°-90°)	20.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2
2.5°	3336.3	3317.6	3334.3	3413.3	3459.1	3490.3	3510.1	3507.0	3432.1	3359.2	3359.2
5°	3238.5	3214.6	3248.9	3427.9	3607.9	3623.6	3649.6	3606.9	3496.6	3363.4	3196.9
7.5°	2955.5	2973.1	3030.4	3265.6	3499.7	3617.3	3648.5	3594.4	3415.4	3166.7	2922.2
10°	2710.9	2752.5	2884.7	3138.6	3354.0	3507.0	3541.3	3465.4	3323.8	3018.9	2800.4
12.5°	2626.6	2600.6	2747.3	3001.2	3207.3	3289.5	3305.1	3310.3	3214.6	2944.0	2677.6
15°	2616.2	2632.9	2747.3	2939.8	3066.8	3071.0	3097.0	3137.6	3150.1	2995.0	2734.8
17.5°	2766.1	2746.3	2863.9	3016.9	2956.5	2896.1	2902.4	2960.7	3063.7	3038.7	2914.9
20°	2987.7	3032.5	3125.1	3109.5	2947.1	2794.2	2795.2	2850.3	3053.3	3219.8	3165.7
22.5°	3356.1	3399.8	3468.5	3280.1	2947.1	2764.0	2728.6	2803.5	3119.9	3435.2	3448.7
25°	3692.2	3772.4	3791.1	3569.4	3094.9	2792.1	2769.2	2843.1	3186.5	3645.4	3773.4
27.5°	3998.2	4027.3	4109.5	3755.7	3177.1	2810.8	2808.7	2903.4	3270.8	3750.5	4063.7
30°	4239.6	4236.5	4283.3	3873.3	3308.2	2915.9	2815.0	2994.0	3381.1	3924.3	4332.2
32.5°	4404.0	4439.4	4538.3	4036.7	3363.4	3015.8	2936.7	3100.1	3515.3	4006.5	4521.6
35°	4693.3	4754.7	4629.9	4127.2	3538.2	3114.7	3022.1	3244.8	3581.9	4096.0	4753.7
37.5°	4966.0	4919.2	4792.2	4176.1	3651.6	3297.8	3211.5	3524.7	3789.0	4290.6	4907.7
40°	5140.8	5139.8	4914.0	4215.7	3731.8	3577.8	3572.6	3808.8	4042.9	4413.4	5080.5
42.5°	5216.8	5289.6	4963.9	4211.5	3900.4	3917.0	4022.1	4233.4	4223.0	4438.4	5076.3
44°	5320.9	5364.6	5050.3	4220.9	4012.8	4146.0	4393.6	4527.9	4380.1	4424.9	5071.1
45°	5316.7	5319.8	4927.5	4233.4	4108.5	4337.4	4559.1	4786.0	4518.5	4395.7	5139.8
47.5°	5194.9	5159.6	4823.4	4140.8	4407.2	4843.2	5048.2	5185.6	4689.2	4333.3	5054.4
50°	4954.5	4914.0	4570.5	4101.2	4469.6	5157.5	5440.5	5490.5	4844.2	4271.9	4970.2
52.5°	4971.2	4959.7	4642.4	4160.5	4532.0	5256.3	5710.1	5722.5	5020.1	4400.9	4971.2
55°	5268.8	5229.3	4848.4	4234.4	4486.3	5140.8	5538.4	5516.5	4960.8	4322.9	5062.8
57.5°	4821.3	4847.4	4563.3	3942.0	3926.4	4179.3	4354.1	4300.0	4139.7	3901.4	4710.0
60°	3890.0	3963.8	3990.9	3296.8	2962.7	2832.7	2780.6	2684.9	2711.9	3205.2	4137.6
62.5°	3336.3	3332.2	3501.8	2988.8	1940.8	1669.2	1644.2	1666.1	1978.3	3155.3	4052.3
65°	2645.3	2716.1	2768.1	2532.9	1536.0	1239.4	1238.4	1376.8	1711.9	2637.0	3271.8
67.5°	1679.6	1772.2	1836.8	1620.3	1027.1	882.5	858.5	1025.0	1186.3	1729.6	1970.0
70°	947.0	990.7	1019.8	934.5	653.5	457.9	430.8	470.4	717.0	1119.7	1167.6
72.5°	365.3	385.0	424.6	427.7	246.6	147.8	119.7	143.6	301.8	443.3	422.5
75°	56.2	60.4	85.3	102.0	70.8	54.1	57.2	59.3	84.3	114.5	95.7
77.5°	27.1	27.1	26.0	30.2	35.4	38.5	41.6	45.8	50.0	55.2	53.1
80°	17.7	17.7	17.7	20.8	26.0	31.2	35.4	37.5	39.5	43.7	41.6
82.5°	11.4	11.4	11.4	15.6	20.8	26.0	28.1	33.3	37.5	43.7	40.6
85°	6.2	6.2	6.2	10.4	15.6	21.9	20.8	16.7	9.4	1.0	2.1
87.5°	2.1	2.1	2.1	2.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2
2.5°	3271.8	3223.9	3219.8	3122.0	3034.5	2991.9	2957.5	2861.8	2882.6	2827.5	2826.4
5°	3113.6	3015.8	2857.6	2727.6	2597.5	2571.5	2458.0	2359.2	2362.3	2291.5	2304.0
7.5°	2829.5	2761.9	2569.4	2365.4	2192.7	2069.9	1962.7	1898.2	1815.9	1787.8	1773.3
10°	2649.5	2566.2	2349.8	2093.8	1900.2	1834.7	1731.6	1674.4	1590.1	1548.5	1519.4
12.5°	2570.4	2448.7	2178.1	1917.9	1788.9	1721.2	1633.8	1529.8	1429.9	1391.4	1338.3
15°	2578.7	2433.0	2128.1	1847.2	1692.1	1561.0	1482.9	1367.4	1265.4	1197.8	1159.3
17.5°	2704.7	2527.7	2151.0	1793.0	1570.3	1405.9	1252.9	1128.1	1046.9	995.9	983.4
20°	3002.3	2761.9	2189.5	1705.6	1448.6	1243.6	1055.2	925.1	862.7	861.7	862.7
22.5°	3250.0	3011.6	2267.6	1653.6	1326.8	1035.4	848.1	806.5	794.0	820.0	823.2
25°	3584.0	3292.6	2401.8	1626.5	1214.4	882.5	767.0	751.4	750.3	783.6	784.7
27.5°	3926.4	3538.2	2482.0	1547.5	1100.0	803.4	718.1	714.9	731.6	767.0	763.8
30°	4159.5	3744.3	2626.6	1452.8	964.7	733.7	698.3	702.4	725.3	752.4	756.6
32.5°	4431.1	3947.2	2664.1	1400.7	881.4	675.4	650.4	659.8	688.9	731.6	754.5
35°	4742.3	4090.8	2721.3	1330.0	850.2	630.6	618.1	628.6	663.9	692.0	717.0
37.5°	4972.2	4344.7	2731.7	1274.8	815.9	605.7	585.9	620.2	641.0	680.6	693.1
40°	5142.9	4528.9	2758.8	1240.5	788.8	573.4	573.4	596.3	624.4	660.8	685.8
42.5°	5252.2	4663.2	2778.5	1209.2	736.8	564.0	558.8	581.7	619.2	654.6	666.0
44°	5318.8	4720.4	2758.8	1180.1	722.2	552.6	552.6	572.4	601.5	643.1	656.7
45°	5335.4	4792.2	2715.1	1179.1	704.5	539.1	537.0	574.4	594.2	645.2	653.5
47.5°	5399.9	4880.7	2720.3	1145.8	661.9	506.8	543.2	559.9	577.6	622.3	650.4
50°	5397.9	4935.8	2708.8	1096.8	630.6	470.4	530.7	549.5	567.2	612.9	624.4
52.5°	5412.4	5141.9	2813.9	1018.8	574.4	423.5	489.1	530.7	552.6	591.1	615.0
55°	5405.1	5259.5	2918.0	960.5	495.4	395.4	453.7	502.6	533.9	574.4	585.9
57.5°	4936.9	4648.6	2700.5	851.3	410.0	362.1	403.8	473.5	513.0	554.7	569.2
60°	4033.6	3583.0	2227.0	626.5	337.2	333.0	375.7	464.1	480.8	517.2	542.2
62.5°	3727.6	3142.8	1766.0	478.7	288.3	304.9	346.5	419.4	445.4	490.1	513.0
65°	2916.9	2087.5	1093.7	323.6	253.9	273.7	313.2	367.4	410.0	451.6	478.7
67.5°	1727.5	1140.6	541.1	226.9	221.7	242.5	283.1	323.6	372.6	418.3	431.9
70°	940.7	560.9	231.0	172.7	188.4	207.1	246.6	274.7	321.6	356.9	379.8
72.5°	301.8	170.7	115.5	128.0	143.6	165.5	189.4	223.7	257.0	277.9	296.6
75°	72.8	71.8	82.2	89.5	104.1	120.7	140.5	158.2	184.2	204.0	220.6
77.5°	51.0	55.2	63.5	73.9	79.1	85.3	97.8	111.3	122.8	137.4	147.8
80°	39.5	42.7	48.9	54.1	59.3	64.5	70.8	76.0	83.3	92.6	97.8
82.5°	37.5	39.5	45.8	48.9	46.8	45.8	50.0	52.0	53.1	56.2	59.3
85°	3.1	0.0	2.1	7.3	17.7	26.0	28.1	28.1	27.1	29.1	29.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.2	3.1
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°	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2
2.5°	2813.9	2778.5	2792.1	2808.7	2784.8	2729.6	2744.2	2738.0	2794.2	2790.0	2846.2
5°	2359.2	2304.0	2310.2	2391.4	2365.4	2393.5	2337.3	2330.0	2340.4	2345.6	2355.0
7.5°	1805.5	1798.2	1860.7	1929.4	1961.6	1928.3	1873.2	1860.7	1849.2	1826.3	1878.4
10°	1473.6	1475.6	1471.5	1523.5	1559.9	1552.7	1519.4	1515.2	1493.3	1485.0	1514.1
12.5°	1315.4	1287.3	1273.8	1257.1	1285.2	1303.9	1289.4	1279.0	1280.0	1290.4	1294.6
15°	1162.4	1144.7	1115.6	1096.8	1110.4	1101.0	1095.8	1116.6	1111.4	1109.3	1134.3
17.5°	990.7	1005.3	1003.2	982.4	1000.1	992.8	991.7	977.2	957.4	942.8	951.2
20°	877.3	904.3	925.1	926.2	935.5	934.5	918.9	874.1	859.6	856.5	858.5
22.5°	836.7	851.3	876.2	911.6	911.6	895.0	876.2	824.2	810.7	796.1	789.9
25°	804.4	832.5	864.8	868.9	885.6	870.0	839.8	813.8	785.7	765.9	765.9
27.5°	787.8	819.0	842.9	850.2	873.1	860.6	829.4	796.1	762.8	761.8	744.1
30°	780.5	809.6	825.2	842.9	853.3	833.6	824.2	788.8	755.5	747.2	718.1
32.5°	758.6	800.3	829.4	825.2	833.6	825.2	811.7	782.6	745.1	726.4	723.3
35°	733.7	775.3	806.5	828.4	833.6	815.9	807.5	768.0	717.0	707.6	675.4
37.5°	720.1	745.1	783.6	819.0	826.3	816.9	788.8	748.2	697.2	686.8	658.7
40°	703.5	735.7	765.9	795.1	816.9	794.0	761.8	722.2	699.3	668.1	659.8
42.5°	691.0	727.4	752.4	784.7	809.6	779.4	742.0	714.9	682.7	661.9	637.9
44°	686.8	720.1	736.8	776.3	797.1	774.2	743.0	714.9	677.5	658.7	637.9
45°	672.3	718.1	735.7	771.1	788.8	770.1	730.5	702.4	675.4	652.5	630.6
47.5°	657.7	688.9	719.1	747.2	759.7	753.4	720.1	685.8	653.5	640.0	619.2
50°	653.5	684.7	712.8	738.9	753.4	740.9	710.8	677.5	640.0	618.1	600.5
52.5°	632.7	671.2	702.4	710.8	729.5	722.2	699.3	662.9	627.5	608.8	594.2
55°	602.5	643.1	685.8	696.2	723.3	711.8	677.5	643.1	612.9	584.8	566.1
57.5°	591.1	630.6	672.3	685.8	702.4	683.7	675.4	639.0	591.1	576.5	547.4
60°	562.0	611.9	646.2	677.5	678.5	673.3	658.7	617.1	577.6	550.5	529.7
62.5°	539.1	585.9	612.9	642.1	659.8	645.2	630.6	592.1	549.5	519.3	495.4
65°	505.8	548.4	571.3	589.0	608.8	606.7	581.7	553.6	508.9	484.9	462.0
67.5°	454.8	492.2	523.4	540.1	552.6	549.5	530.7	511.0	465.2	441.2	424.6
70°	393.4	431.9	451.6	461.0	473.5	479.7	465.2	455.8	415.2	384.0	368.4
72.5°	316.4	341.3	370.5	378.8	384.0	388.2	388.2	379.8	338.2	325.7	298.7
75°	233.1	252.9	274.7	274.7	284.1	285.1	287.2	282.0	250.8	234.1	227.9
77.5°	158.2	172.7	190.4	197.7	204.0	202.9	201.9	187.3	170.7	163.4	157.1
80°	103.0	117.6	125.9	135.3	141.5	140.5	142.6	132.2	124.9	112.4	114.5
82.5°	61.4	72.8	81.2	92.6	92.6	95.7	95.7	92.6	85.3	79.1	79.1
85°	29.1	38.5	43.7	51.0	55.2	56.2	50.0	42.7	35.4	32.3	35.4
87.5°	5.2	7.3	10.4	9.4	11.4	10.4	10.4	10.4	10.4	8.3	9.4
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: P527222

CATALOG NUMBER: GALN-SA2B-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2	3179.2
2.5°	2825.4	2877.4	2913.8	2974.2	3078.3	3161.5	3246.8	3310.3	3317.6	3336.3
5°	2389.3	2417.4	2510.1	2630.8	2716.1	2856.6	2947.1	3111.6	3172.9	3238.5
7.5°	1865.9	1911.7	2035.5	2116.7	2304.0	2479.9	2662.0	2864.9	2946.1	2955.5
10°	1573.5	1640.1	1724.4	1854.4	1956.4	2152.1	2378.9	2604.8	2695.3	2710.9
12.5°	1382.0	1467.3	1579.7	1673.4	1771.2	1941.9	2159.4	2438.2	2555.8	2626.6
15°	1197.8	1286.2	1410.1	1540.2	1626.5	1830.5	2086.5	2400.8	2553.8	2616.2
17.5°	1008.4	1090.6	1192.6	1333.1	1506.9	1735.8	2075.1	2525.7	2693.2	2766.1
20°	846.1	891.8	1010.5	1155.1	1372.6	1639.0	2079.2	2709.9	2955.5	2987.7
22.5°	782.6	793.0	839.8	973.0	1211.3	1540.2	2153.1	2971.1	3250.0	3356.1
25°	733.7	731.6	744.1	833.6	1093.7	1501.7	2226.0	3211.5	3576.7	3692.2
27.5°	706.6	685.8	686.8	771.1	1010.5	1439.2	2319.6	3487.2	3947.2	3998.2
30°	693.1	688.9	676.4	710.8	919.9	1345.6	2335.2	3758.8	4165.7	4239.6
32.5°	684.7	644.2	628.6	641.0	834.6	1243.6	2393.5	3937.8	4436.3	4404.0
35°	643.1	606.7	596.3	608.8	774.2	1186.3	2355.0	4093.9	4639.2	4693.3
37.5°	627.5	595.3	574.4	564.0	718.1	1138.5	2335.2	4334.3	4835.9	4966.0
40°	612.9	578.6	553.6	543.2	674.3	1075.0	2329.0	4519.6	5062.8	5140.8
42.5°	596.3	574.4	546.3	527.6	621.3	1011.5	2257.2	4576.8	5132.5	5216.8
44°	591.1	557.8	528.7	522.4	600.5	979.3	2242.6	4628.8	5192.9	5320.9
45°	585.9	554.7	521.4	513.0	593.2	961.6	2222.8	4641.3	5292.8	5316.7
47.5°	571.3	551.5	519.3	496.4	577.6	923.1	2163.5	4570.5	5190.8	5194.9
50°	559.9	537.0	503.7	458.9	556.7	890.8	2190.6	4544.5	4945.2	4954.5
52.5°	547.4	513.0	494.3	417.3	522.4	863.7	2247.8	4662.1	4973.3	4971.2
55°	532.8	495.4	449.6	381.9	465.2	829.4	2386.2	4894.2	5233.4	5268.8
57.5°	509.9	477.7	412.1	350.7	399.6	763.8	2341.5	4449.8	4815.1	4821.3
60°	479.7	449.6	373.6	326.8	327.8	602.5	2093.8	3467.5	3799.4	3890.0
62.5°	450.6	434.0	341.3	292.4	278.9	479.7	1770.1	2881.6	3261.4	3336.3
65°	416.3	375.7	313.2	266.4	239.4	336.1	1254.0	2153.1	2544.4	2645.3
67.5°	372.6	328.8	275.8	234.1	205.0	224.8	647.3	1223.8	1620.3	1679.6
70°	325.7	285.1	232.1	197.7	165.5	155.1	285.1	583.8	885.6	947.0
72.5°	267.4	230.0	185.2	156.1	123.8	107.2	95.7	156.1	314.3	365.3
75°	193.6	167.5	139.4	111.3	87.4	68.7	56.2	46.8	52.0	56.2
77.5°	142.6	121.8	103.0	79.1	61.4	48.9	38.5	29.1	28.1	27.1
80°	111.3	98.9	82.2	63.5	47.9	36.4	27.1	19.8	17.7	17.7
82.5°	87.4	81.2	67.6	52.0	39.5	29.1	19.8	13.5	11.4	11.4
85°	33.3	33.3	48.9	42.7	30.2	20.8	13.5	7.3	6.2	6.2
87.5°	8.3	8.3	8.3	8.3	7.3	6.2	6.2	3.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)