

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: P527224

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
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-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT 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 III - Short
BUG Rating: B2 - U0 - G1

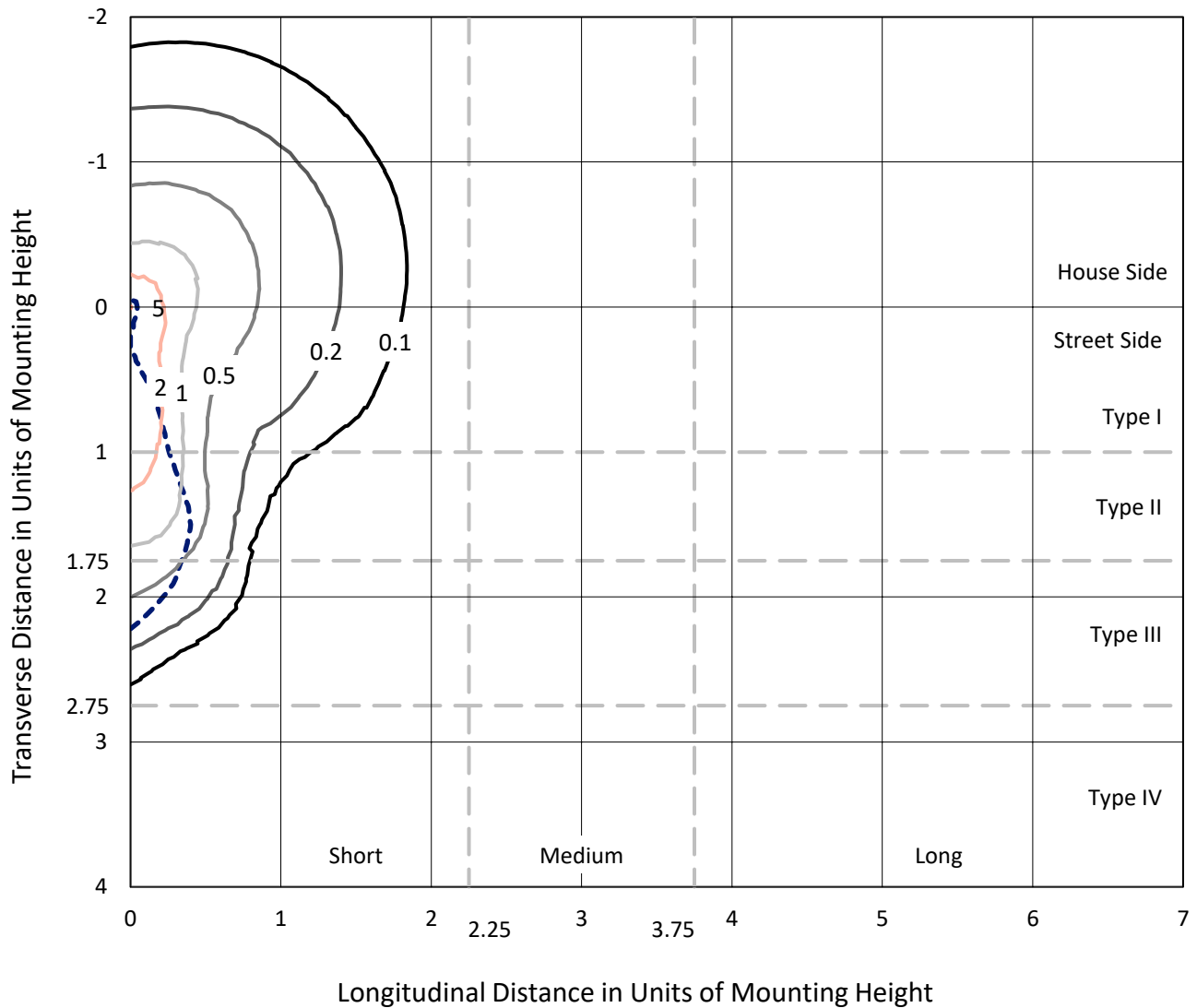
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

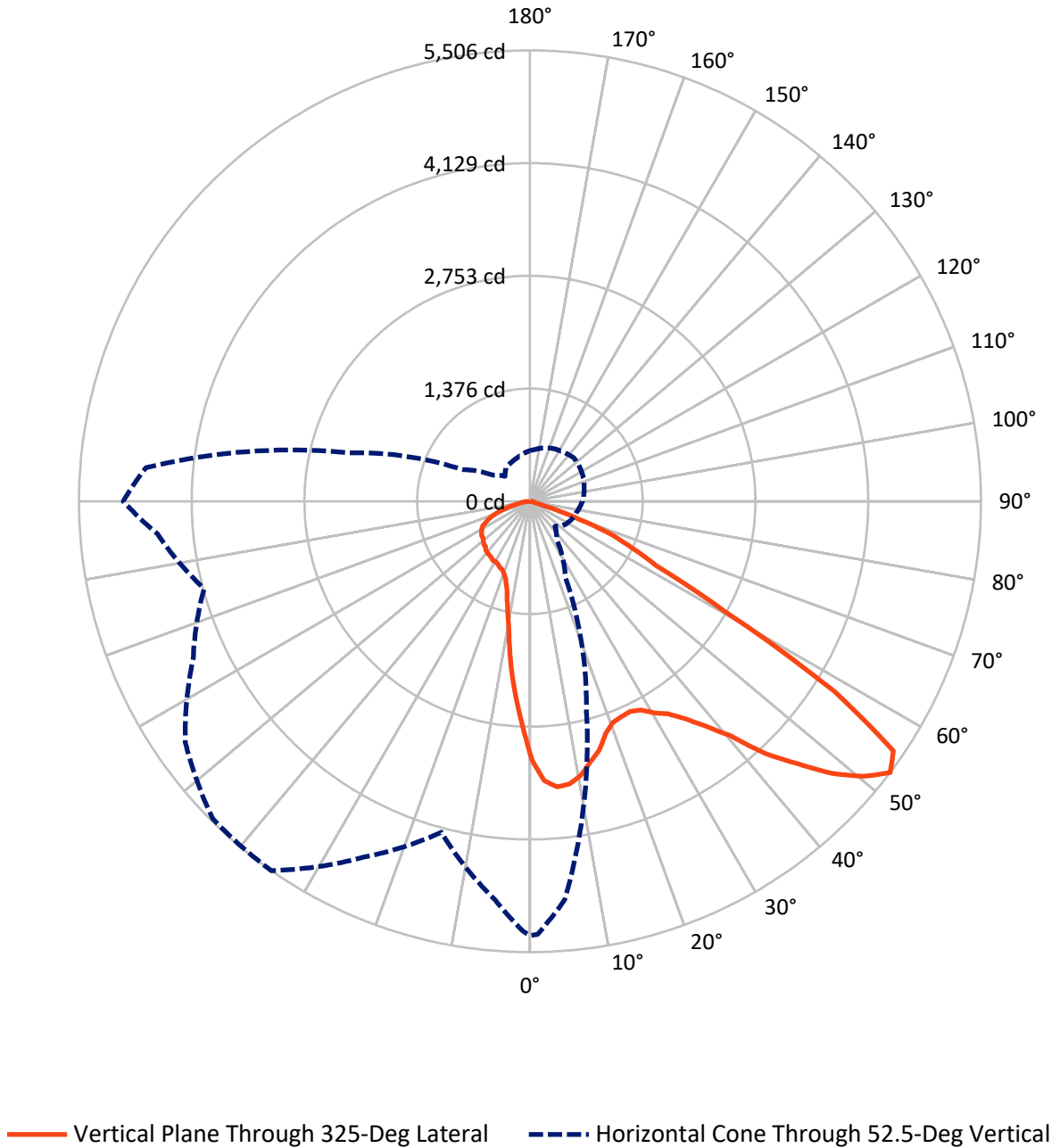
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2148.5	0.0	2148.5
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	4978.5	0.0	4978.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	7127.0	0.0	7127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	3.4
10°-20°	523.1	7.3
20°-30°	790.4	11.1
30°-40°	1142.2	16.0
40°-50°	1520.0	21.3
50°-60°	1700.2	23.9
60°-70°	958.2	13.4
70°-80°	213.6	3.0
80°-90°	38.0	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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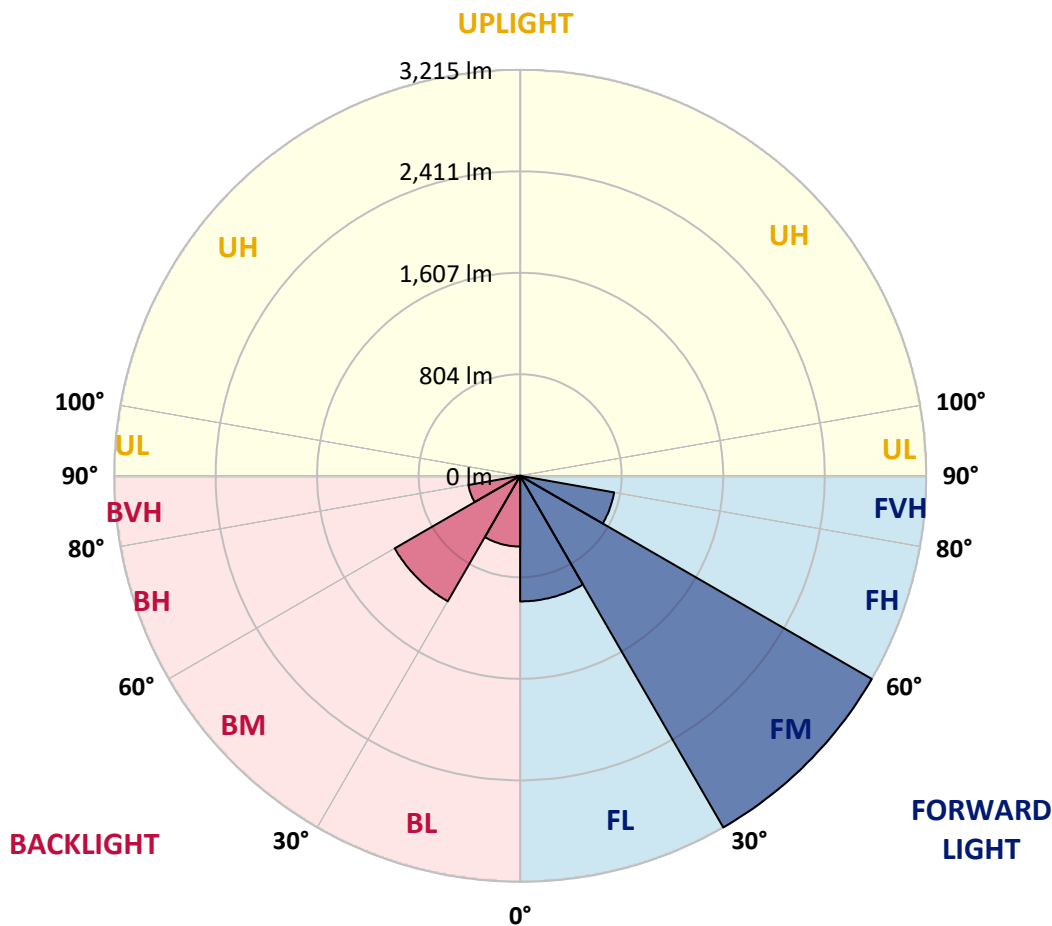
CATALOG NUMBER: GALN-SA2B-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.6	14.0			
FM (30°-60°)	3214.8	45.1			
FH (60°-80°)	755.4	10.6			G1/1800
FVH (80°-90°)	13.8	0.2			G1/100
BL (0°-30°)	560.3	7.9	B2/1000		
BM (30°-60°)	1147.5	16.1	B2/2500		
BH (60°-80°)	416.4	5.8	B1/500		G1/500
BVH (80°-90°)	24.3	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0
2.5°	3215.7	3267.3	3211.6	3112.4	3042.1	2978.1	2911.0	2897.5	2809.7	2794.2	2730.2
5°	3032.9	3021.5	2953.3	2823.2	2679.6	2549.4	2453.3	2360.4	2297.4	2224.0	2218.9
7.5°	2810.8	2744.6	2705.4	2508.1	2330.4	2125.9	2038.1	1896.6	1852.1	1786.0	1751.9
10°	2612.4	2563.9	2471.9	2274.6	2026.7	1891.4	1797.4	1721.0	1669.3	1601.1	1515.4
12.5°	2514.3	2494.7	2391.4	2085.6	1901.7	1757.1	1691.0	1616.6	1528.8	1419.3	1377.0
15°	2531.9	2465.7	2387.2	2049.4	1795.3	1655.9	1550.5	1457.5	1344.9	1240.6	1179.7
17.5°	2663.0	2612.4	2455.4	2072.2	1755.0	1553.6	1362.5	1225.1	1123.9	1029.9	987.5
20°	2921.3	2847.9	2671.3	2101.1	1668.3	1411.1	1192.1	1022.7	914.2	864.6	850.1
22.5°	3207.4	3164.0	2882.0	2166.2	1599.1	1278.8	1011.3	841.9	801.6	788.2	815.0
25°	3555.5	3442.9	3209.5	2272.6	1545.3	1166.2	858.4	764.4	743.8	757.2	788.2
27.5°	3820.0	3790.0	3438.8	2372.8	1472.0	1030.9	772.7	710.7	716.9	730.3	759.2
30°	4134.0	3982.2	3660.9	2442.0	1405.9	938.0	712.8	696.2	702.4	725.2	739.6
32.5°	4323.1	4266.2	3800.4	2546.3	1329.5	857.4	666.3	650.8	660.1	694.2	728.3
35°	4563.7	4451.1	3972.9	2573.2	1275.7	825.4	633.2	621.9	643.6	667.3	705.5
37.5°	4844.7	4767.2	4211.5	2554.6	1246.8	792.3	605.3	600.2	615.7	648.7	693.1
40°	5011.0	4987.3	4336.5	2565.9	1201.4	763.4	573.3	579.5	611.5	637.4	680.7
42.5°	5171.1	5016.2	4521.4	2561.8	1172.4	724.1	576.4	569.2	594.0	623.9	665.2
45°	5206.3	5052.3	4564.8	2532.9	1137.3	685.9	552.6	555.7	585.7	622.9	649.7
47.5°	5183.5	5069.9	4645.3	2524.6	1104.3	659.0	517.5	554.7	572.3	602.2	640.5
50°	5168.0	5161.8	4713.5	2563.9	1059.8	616.7	475.2	541.3	558.8	588.8	630.1
52.5°	5304.4	5291.0	4884.0	2667.2	1024.7	571.2	431.8	507.2	549.5	578.5	618.8
55°	5387.0	5328.1	5176.3	2794.2	965.8	511.3	401.8	464.8	526.8	552.6	594.0
57.5°	4845.7	4805.5	4682.5	2608.3	866.7	432.8	364.6	421.5	495.8	536.1	578.5
60°	4031.7	3968.7	3653.7	2216.8	639.4	336.8	341.9	387.4	487.6	503.1	552.6
62.5°	3801.4	3645.4	3216.7	1784.0	490.7	289.2	306.8	356.4	444.2	470.0	519.6
65°	3016.3	2900.6	2301.5	1288.1	328.5	251.0	279.9	321.3	383.2	433.9	479.3
67.5°	1888.3	1777.8	1228.2	609.5	229.3	214.9	250.0	293.4	344.0	389.4	440.1
70°	986.5	865.6	567.1	220.0	158.0	175.6	208.7	250.0	299.6	336.8	376.0
72.5°	367.7	298.5	184.9	95.0	109.5	134.3	169.4	199.4	234.5	279.9	301.6
75°	56.8	48.6	47.5	57.8	74.4	97.1	120.9	150.8	181.8	210.7	225.2
77.5°	26.9	25.8	28.9	38.2	49.6	69.2	87.8	116.7	141.5	160.1	168.4
80°	17.6	16.5	18.6	25.8	37.2	51.6	70.2	89.9	112.6	128.1	126.0
82.5°	10.3	11.4	11.4	17.6	25.8	37.2	50.6	68.2	83.7	97.1	88.8
85°	6.2	5.2	5.2	10.3	17.6	30.0	42.4	28.9	30.0	30.0	34.1
87.5°	2.1	2.1	2.1	1.0	2.1	2.1	3.1	5.2	6.2	7.2	9.3
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°	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0
2.5°	2728.1	2760.1	2748.8	2708.5	2739.5	2744.6	2724.0	2795.3	2808.7	2787.0	2793.2
5°	2211.6	2219.9	2238.5	2277.7	2305.6	2338.7	2338.7	2340.7	2312.9	2383.1	2362.4
7.5°	1723.0	1728.2	1749.9	1833.6	1857.3	1920.3	1947.2	1928.6	1872.8	1849.0	1868.7
10°	1487.5	1457.5	1450.3	1460.6	1514.4	1541.2	1563.9	1557.7	1548.4	1529.9	1509.2
12.5°	1330.5	1308.8	1291.2	1266.4	1269.5	1295.4	1312.9	1298.5	1302.6	1306.7	1312.9
15°	1160.0	1144.5	1135.3	1098.1	1093.9	1111.5	1117.7	1126.0	1141.5	1142.5	1135.3
17.5°	979.3	965.8	986.5	1007.2	992.7	993.7	1005.1	1012.3	1008.2	989.6	980.3
20°	855.3	869.8	890.4	910.1	925.6	934.9	939.0	927.6	914.2	876.0	874.9
22.5°	819.2	837.8	855.3	885.3	899.7	923.5	901.8	876.0	857.4	838.8	817.1
25°	792.3	807.8	842.9	854.3	882.2	901.8	886.3	860.5	828.5	801.6	785.1
27.5°	772.7	790.2	813.0	844.0	865.6	877.0	861.5	851.2	818.1	786.1	762.3
30°	760.3	778.9	820.2	846.0	864.6	873.9	847.0	834.7	810.9	784.0	763.4
32.5°	752.0	768.5	803.7	836.7	849.1	849.1	853.2	838.8	805.7	760.3	742.7
35°	725.2	747.9	776.8	815.0	837.8	851.2	830.5	814.0	792.3	745.8	713.8
37.5°	709.7	725.2	762.3	798.5	818.1	832.6	824.3	795.4	766.5	728.3	702.4
40°	693.1	717.9	751.0	785.1	806.8	821.2	815.0	780.9	745.8	709.7	692.1
42.5°	681.8	698.3	732.4	770.6	796.4	824.3	805.7	763.4	738.6	689.0	669.4
45°	672.5	699.3	735.5	751.0	777.8	806.8	773.7	747.9	719.0	682.8	666.3
47.5°	661.1	685.9	709.7	751.0	763.4	776.8	770.6	729.3	704.5	665.2	653.9
50°	657.0	666.3	709.7	732.4	749.9	763.4	746.8	715.9	692.1	651.8	627.0
52.5°	640.5	658.0	685.9	715.9	737.6	754.1	727.2	707.6	675.6	633.2	617.7
55°	619.8	630.1	679.7	710.7	722.1	733.4	723.1	691.1	658.0	614.6	599.1
57.5°	592.9	616.7	657.0	700.4	714.8	721.0	704.5	678.7	637.4	599.1	574.3
60°	565.0	589.8	634.3	669.4	683.8	706.6	681.8	666.3	618.8	576.4	549.5
62.5°	537.2	565.0	598.1	642.5	654.9	664.2	658.0	636.3	598.1	550.6	517.5
65°	504.1	524.8	566.1	588.8	597.1	618.8	597.1	588.8	554.7	509.3	481.4
67.5°	454.5	472.1	508.2	529.9	536.1	545.4	544.4	535.1	496.9	465.9	441.1
70°	397.7	413.2	435.9	461.7	464.8	476.2	465.9	463.8	439.0	396.7	383.2
72.5°	319.2	333.7	363.6	375.0	376.0	380.1	375.0	367.7	361.5	317.1	303.7
75°	244.8	253.1	267.5	277.9	277.9	283.0	279.9	272.7	256.2	228.3	214.9
77.5°	170.4	178.7	197.3	203.5	202.5	204.5	195.2	188.0	163.2	148.8	137.4
80°	124.0	129.1	138.4	142.6	143.6	146.7	135.3	129.1	114.7	98.1	93.0
82.5°	89.9	93.0	94.0	99.2	99.2	94.0	90.9	84.7	74.4	64.0	59.9
85°	37.2	38.2	39.3	45.5	46.5	55.8	51.6	48.6	42.4	36.2	33.1
87.5°	9.3	10.3	13.4	11.4	13.4	13.4	14.5	16.5	16.5	13.4	13.4
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°	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0
2.5°	2817.0	2825.2	2930.6	2944.0	2995.7	3048.3	3154.7	3231.2	3293.2	3333.4	3344.8
5°	2384.1	2436.8	2485.4	2563.9	2635.2	2736.4	2853.1	2997.7	3179.5	3272.5	3309.7
7.5°	1866.6	1928.6	1998.8	2075.3	2179.6	2361.4	2517.4	2684.7	2917.2	3013.2	3158.9
10°	1523.7	1592.9	1685.8	1744.7	1870.7	2044.3	2226.1	2419.3	2641.3	2779.8	2948.1
12.5°	1347.0	1403.8	1489.6	1613.5	1707.5	1820.1	1955.4	2199.2	2517.4	2648.6	2764.3
15°	1151.8	1214.8	1314.0	1451.3	1563.9	1698.2	1850.1	2115.6	2454.4	2656.8	2755.0
17.5°	990.6	1036.1	1140.4	1259.2	1388.3	1535.0	1753.0	2111.4	2520.5	2779.8	2939.9
20°	879.1	885.3	942.1	1043.3	1218.9	1410.0	1693.1	2090.8	2732.3	2991.5	3194.0
22.5°	808.8	802.6	803.7	889.4	1012.3	1287.1	1599.1	2161.0	2972.9	3328.3	3464.6
25°	773.7	757.2	746.8	765.4	877.0	1141.5	1527.8	2254.0	3232.2	3606.2	3773.5
27.5°	755.1	726.2	705.5	708.6	790.2	1068.1	1483.4	2294.3	3489.4	3993.5	4052.4
30°	747.9	711.7	681.8	671.4	725.2	965.8	1388.3	2363.5	3719.8	4206.3	4256.9
32.5°	722.1	677.6	648.7	639.4	661.1	876.0	1320.2	2413.1	3923.3	4437.7	4420.2
35°	692.1	654.9	618.8	601.2	616.7	818.1	1265.4	2389.3	4162.9	4617.5	4608.2
37.5°	689.0	640.5	610.5	581.6	580.5	746.8	1191.0	2412.0	4315.8	4939.7	4812.7
40°	662.1	631.2	591.9	568.1	554.7	710.7	1118.7	2358.3	4540.0	5069.9	4944.9
42.5°	663.2	616.7	582.6	554.7	541.3	658.0	1069.1	2343.8	4618.5	5281.7	5006.9
45°	646.6	601.2	572.3	539.2	532.0	617.7	1021.6	2276.7	4756.9	5292.0	4929.4
47.5°	630.1	589.8	558.8	519.6	503.1	603.3	984.4	2220.9	4684.6	5194.9	4822.0
50°	618.8	572.3	543.4	515.5	469.0	578.5	935.9	2207.5	4583.4	5063.7	4622.6
52.5°	599.1	557.8	527.9	506.2	431.8	555.7	917.3	2286.0	4707.3	4965.6	4564.8
55°	580.5	538.2	500.0	457.6	400.8	495.8	865.6	2359.3	4888.1	5191.8	4827.1
57.5°	560.9	520.6	479.3	428.7	370.8	433.9	811.9	2372.8	4549.3	4798.2	4582.3
60°	535.1	483.4	452.4	386.3	338.8	359.5	643.6	2091.8	3528.7	4007.0	4014.2
62.5°	506.2	450.4	423.5	346.1	305.8	309.9	524.8	1758.1	2862.4	3316.9	3514.2
65°	467.9	414.2	382.2	320.2	282.0	268.6	384.3	1288.1	2174.4	2690.9	2915.1
67.5°	418.4	367.7	327.5	278.9	252.0	230.4	262.4	725.2	1284.0	1806.7	1874.9
70°	365.7	322.3	279.9	239.7	209.7	194.2	192.1	321.3	613.6	972.0	1106.3
72.5°	288.2	257.2	223.1	193.2	173.5	150.8	137.4	133.3	207.6	395.6	546.5
75°	206.6	180.8	161.1	141.5	127.1	114.7	104.3	95.0	86.8	99.2	136.4
77.5°	130.2	120.9	105.4	100.2	91.9	88.8	84.7	79.5	73.3	69.2	69.2
80°	87.8	81.6	76.4	75.4	72.3	71.3	72.3	67.1	60.9	55.8	57.8
82.5°	58.9	57.8	56.8	55.8	56.8	57.8	59.9	58.9	53.7	50.6	51.6
85°	35.1	37.2	39.3	41.3	45.5	40.3	33.1	27.9	24.8	22.7	21.7
87.5°	13.4	18.6	16.5	15.5	16.5	15.5	14.5	13.4	11.4	10.3	10.3
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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CATALOG NUMBER: GALN-SA2B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0	3163.0
2.5°	3420.2	3440.9	3458.4	3454.3	3418.2	3369.6	3350.0	3249.8	3229.1	3215.7
5°	3466.7	3586.5	3612.4	3596.9	3502.9	3384.1	3268.4	3121.7	3035.9	3032.9
7.5°	3381.0	3528.7	3575.2	3610.3	3485.3	3278.7	3080.4	2860.3	2806.6	2810.8
10°	3163.0	3398.5	3513.2	3549.3	3405.8	3227.1	2952.3	2729.2	2614.5	2612.4
12.5°	3042.1	3227.1	3259.1	3309.7	3267.3	3086.6	2877.9	2627.9	2516.4	2514.3
15°	2934.7	3056.6	3065.9	3137.2	3159.9	3038.0	2897.5	2631.0	2541.1	2531.9
17.5°	3028.7	2944.0	2908.9	2918.2	2985.3	3029.8	3011.2	2806.6	2714.7	2663.0
20°	3091.7	2902.7	2796.3	2806.6	2886.2	3048.3	3180.6	3060.7	2915.1	2921.3
22.5°	3260.1	2908.9	2742.6	2731.2	2857.2	3145.4	3371.7	3382.0	3241.5	3207.4
25°	3512.2	2980.2	2726.1	2723.0	2843.8	3249.8	3594.8	3762.1	3618.6	3555.5
27.5°	3714.6	3091.7	2777.7	2788.0	2886.2	3334.5	3784.9	4007.0	3897.5	3820.0
30°	3892.3	3207.4	2850.0	2802.5	2999.8	3378.9	3866.5	4285.9	4198.1	4134.0
32.5°	3965.6	3371.7	2964.7	2886.2	3093.8	3432.6	4035.9	4556.5	4481.1	4323.1
35°	4089.6	3463.6	3026.7	3020.5	3258.0	3561.7	4115.4	4735.2	4704.2	4563.7
37.5°	4188.8	3556.6	3246.7	3178.5	3483.2	3778.7	4243.5	4982.1	4910.8	4844.7
40°	4265.2	3722.9	3452.2	3542.1	3760.1	3976.0	4361.3	4997.6	5203.2	5011.0
42.5°	4195.0	3871.6	3790.0	4004.9	4211.5	4201.2	4374.7	5117.4	5271.3	5171.1
45°	4177.4	4123.7	4324.1	4519.3	4566.8	4388.1	4278.6	4985.2	5250.7	5206.3
47.5°	4135.0	4371.6	4720.8	5038.9	4966.6	4513.1	4164.0	4961.4	5263.1	5183.5
50°	4120.6	4425.3	5014.1	5324.0	5280.6	4621.6	4110.3	4808.6	5175.3	5168.0
52.5°	4119.6	4535.8	5136.0	5479.0	5505.8	4793.1	4183.6	4886.0	5243.4	5304.4
55°	4166.0	4500.7	5120.5	5393.2	5382.9	4716.6	4191.9	4937.7	5327.1	5387.0
57.5°	3929.5	4031.7	4226.0	4441.8	4386.1	3906.8	3743.5	4564.8	4889.1	4845.7
60°	3393.4	3073.1	2854.1	2843.8	2735.3	2585.6	3063.8	4074.1	4074.1	4031.7
62.5°	2971.9	2017.4	1733.4	1652.8	1730.3	1902.8	2955.4	3962.5	3849.9	3801.4
65°	2599.0	1540.2	1253.0	1230.3	1364.6	1624.9	2672.3	3375.8	3177.5	3016.3
67.5°	1672.4	1128.0	931.8	891.5	1053.6	1193.1	1778.8	2076.3	1951.3	1888.3
70°	1078.4	734.5	518.6	486.5	549.5	735.5	1136.3	1210.7	1028.9	986.5
72.5°	510.3	317.1	181.8	149.8	168.4	281.0	449.3	483.4	401.8	367.7
75°	162.2	116.7	74.4	64.0	60.9	72.3	103.3	79.5	57.8	56.8
77.5°	72.3	69.2	58.9	49.6	43.4	36.2	30.0	24.8	25.8	26.9
80°	59.9	54.7	48.6	43.4	36.2	27.9	21.7	16.5	16.5	17.6
82.5°	52.7	47.5	42.4	36.2	31.0	22.7	16.5	11.4	10.3	10.3
85°	22.7	26.9	28.9	31.0	24.8	18.6	11.4	7.2	6.2	6.2
87.5°	9.3	8.3	7.2	6.2	5.2	5.2	4.1	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

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