

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: P951519

Luminaire Tested: **GALN-SB5C-927-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951519  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5C-927-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

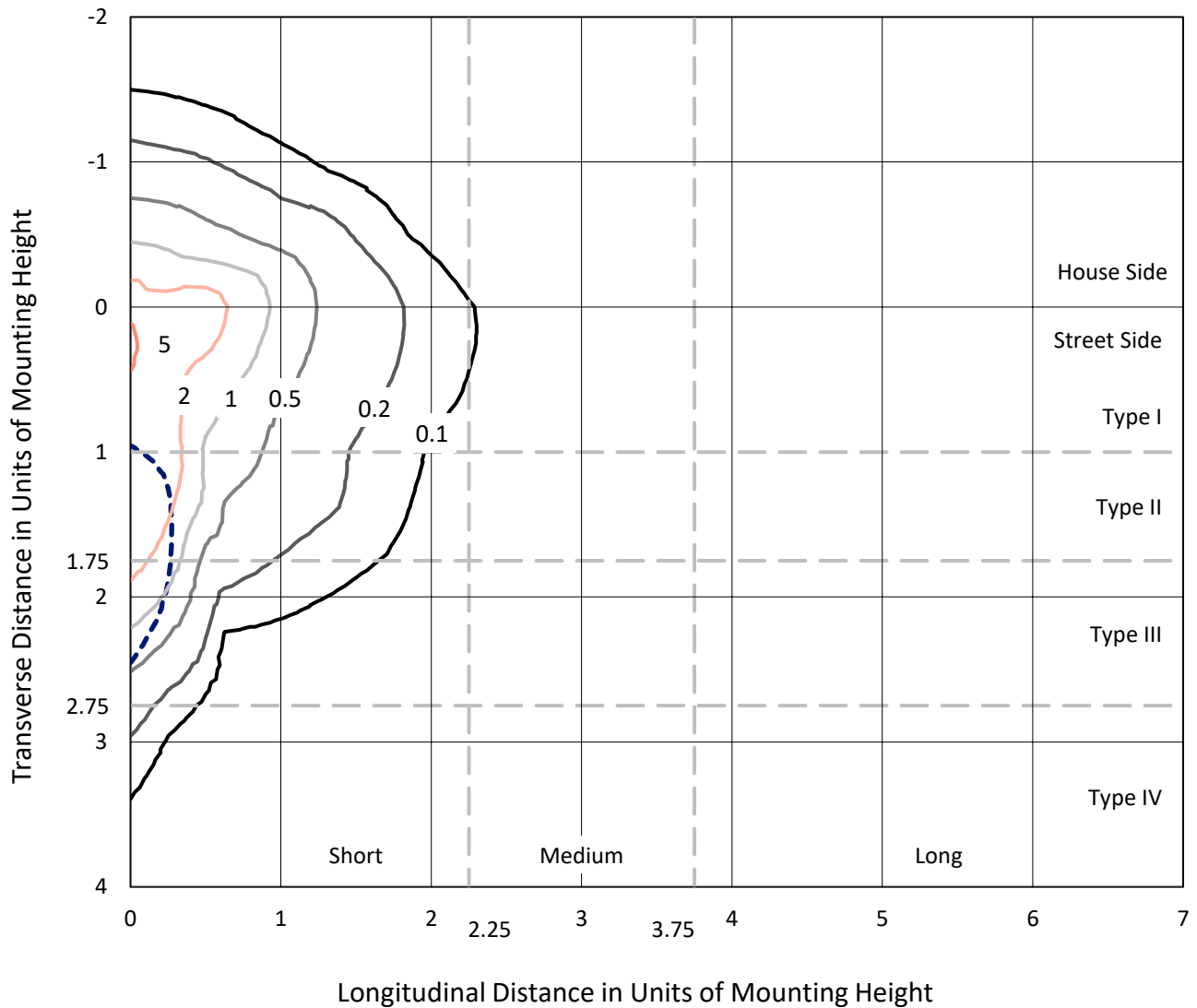
Lumens per Lamp: N/A  
Luminaire Lumens: 17574 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P951519  
 CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

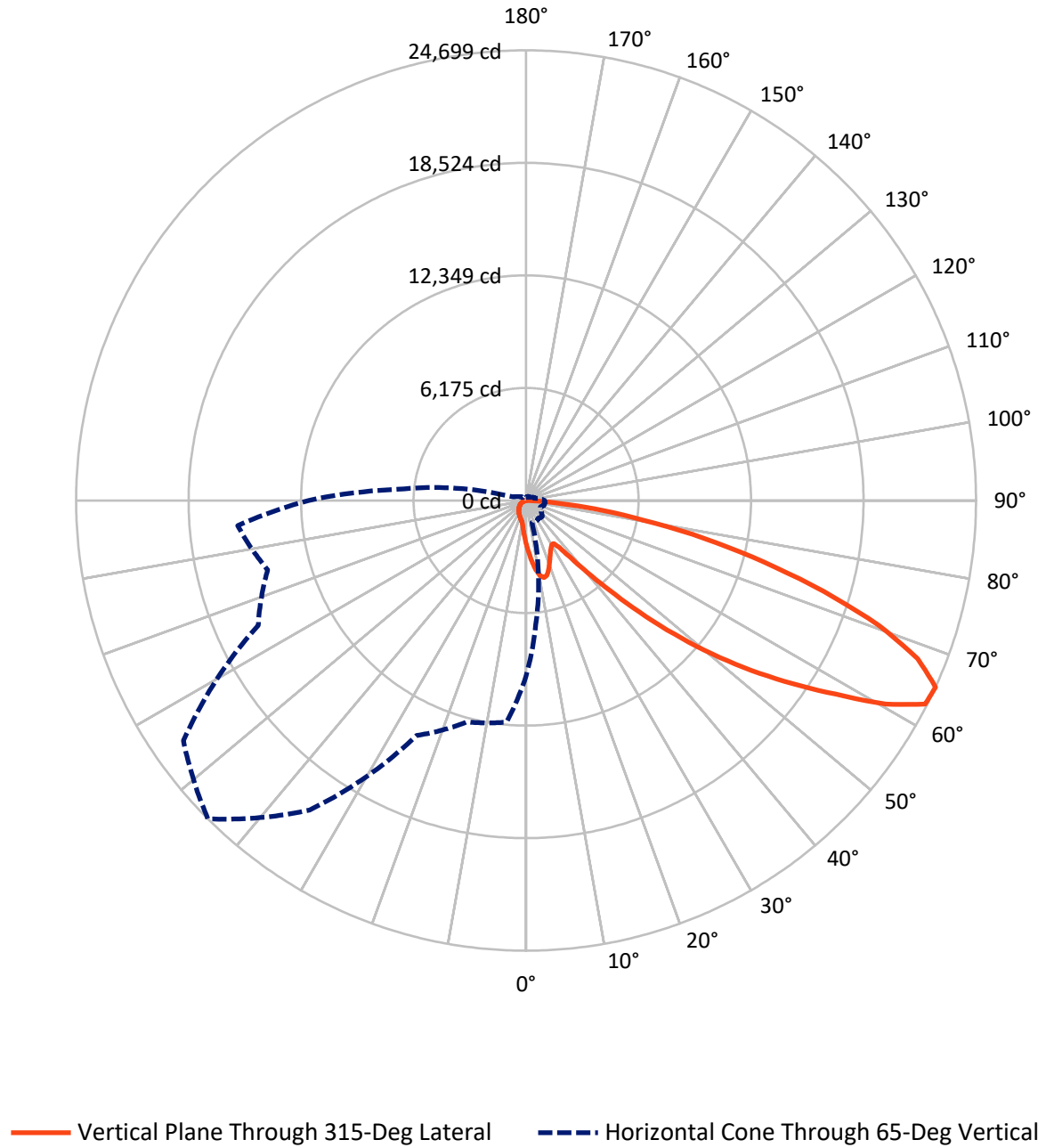
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P951519  
CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P951519  
 CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2461.1	0.0	2461.1
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	15112.9	0.0	15112.9
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	17574.0	0.0	17574.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.6	1.4
10°-20°	718.2	4.1
20°-30°	1058.0	6.0
30°-40°	1359.3	7.7
40°-50°	2198.4	12.5
50°-60°	3855.1	21.9
60°-70°	4823.7	27.4
70°-80°	2818.8	16.0
80°-90°	502.9	2.9
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°	17574.0	100.0
0°-180°	17574.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P951519

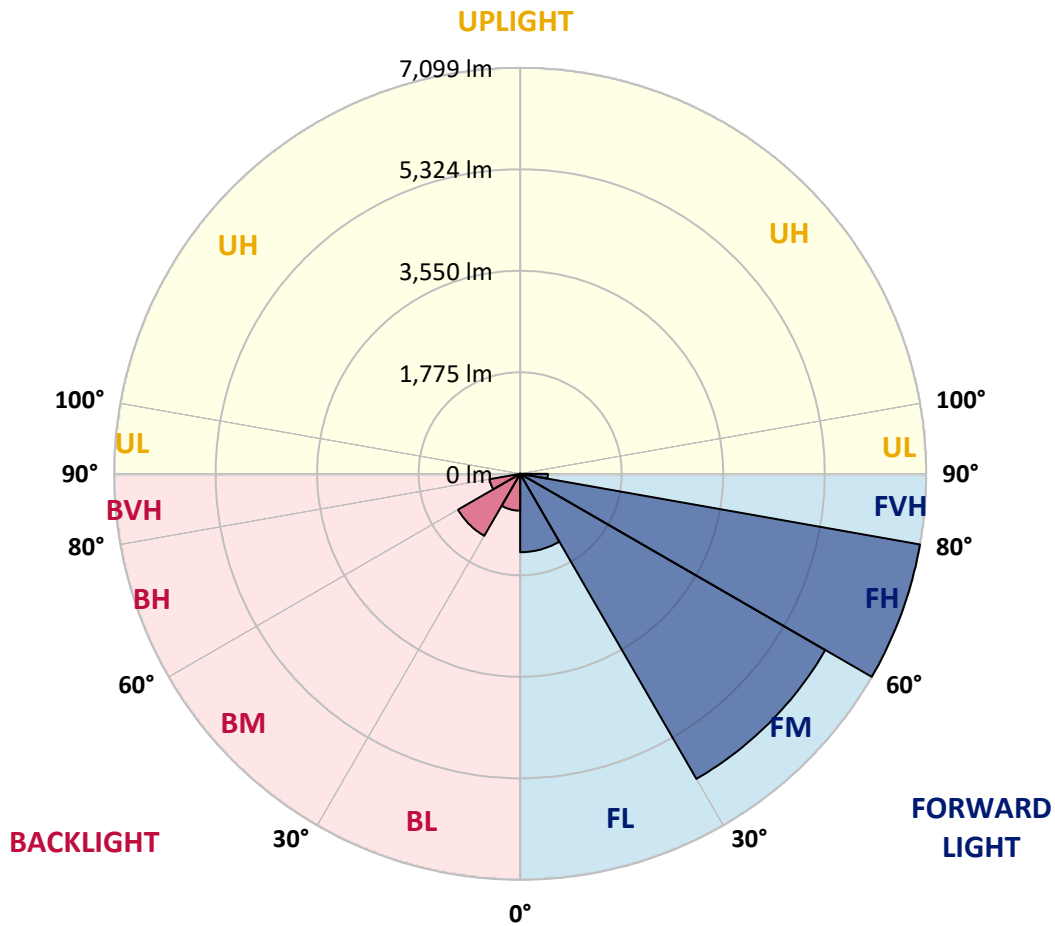
CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.7	7.8			
FM (30°-60°)	6159.5	35.0			
FH (60°-80°)	7099.1	40.4			G3/7500
FVH (80°-90°)	483.6	2.8			G3/500
BL (0°-30°)	645.1	3.7	B2/1000		
BM (30°-60°)	1253.3	7.1	B2/2500		
BH (60°-80°)	543.4	3.1	B2/1000		G2/1000
BVH (80°-90°)	19.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



REPORT NUMBER: P951519  
 CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4
2.5°	2749.4	2702.2	2674.4	2605.4	2536.3	2480.7	2405.6	2356.0	2296.6	2239.7
5°	3064.2	2987.9	2895.9	2770.0	2655.0	2537.6	2423.8	2311.2	2192.5	2083.6
7.5°	3330.5	3220.4	3058.1	2891.1	2744.6	2602.9	2469.8	2320.8	2176.8	2006.1
10°	3533.9	3393.5	3180.4	2961.3	2793.0	2650.1	2520.6	2394.7	2249.4	2043.6
12.5°	3657.4	3507.3	3254.3	2997.6	2805.1	2645.3	2544.8	2489.1	2432.2	2227.6
15°	3748.2	3586.0	3306.3	3023.0	2777.3	2581.1	2507.3	2563.0	2628.4	2497.6
17.5°	3842.7	3671.9	3374.1	3033.9	2702.2	2456.4	2425.0	2569.0	2720.4	2714.3
20°	3932.2	3762.7	3433.4	3026.7	2581.1	2305.1	2333.0	2517.0	2692.5	2766.4
22.5°	4035.1	3856.0	3490.3	2998.8	2423.8	2163.5	2250.6	2434.6	2588.4	2675.6
25°	4161.1	3973.4	3570.3	2957.7	2254.3	2046.0	2167.1	2339.0	2463.7	2524.2
27.5°	4296.7	4113.8	3676.8	2935.9	2117.5	1962.5	2072.7	2225.2	2336.6	2379.0
30°	4464.9	4277.3	3802.7	2911.6	2027.9	1914.1	1974.6	2093.2	2202.2	2244.6
32.5°	4649.0	4458.9	3923.8	2853.5	1973.4	1877.7	1879.0	1954.0	2053.3	2104.1
35°	4879.0	4676.8	4053.3	2726.4	1929.8	1835.4	1785.7	1822.1	1904.4	1964.9
37.5°	5207.1	4962.5	4211.9	2544.8	1865.6	1770.0	1687.7	1696.1	1759.1	1825.7
40°	5659.9	5346.3	4398.3	2356.0	1773.6	1678.0	1579.9	1576.3	1622.3	1687.7
42.5°	6272.5	5853.6	4622.3	2175.6	1685.2	1566.6	1466.1	1460.1	1496.4	1553.3
45°	7081.2	6502.5	4897.1	2020.6	1616.2	1457.6	1358.4	1355.9	1386.2	1435.8
47.5°	8116.3	7404.4	5172.0	1915.3	1579.9	1371.7	1270.0	1274.8	1301.5	1346.3
50°	9456.5	8580.0	5255.5	1862.0	1579.9	1325.7	1191.3	1215.5	1237.3	1271.2
52.5°	11063.1	9708.3	4979.5	1813.6	1589.6	1331.7	1124.7	1176.8	1192.5	1221.6
55°	12552.2	10261.6	4280.9	1747.0	1592.0	1369.3	1067.8	1145.3	1174.3	1185.2
57.5°	13416.6	10071.5	3461.3	1634.4	1582.3	1394.7	1031.5	1106.5	1162.2	1169.5
60°	13251.9	9404.4	2548.4	1548.4	1510.9	1385.0	1020.6	1047.2	1135.6	1146.5
62.5°	11983.2	8285.8	1768.8	1481.9	1353.5	1342.6	1017.0	954.0	1077.5	1104.1
65°	9632.1	6523.1	1249.4	1276.0	1186.5	1250.6	997.6	857.2	1007.3	1043.6
67.5°	6988.0	4414.1	901.9	1033.9	1075.1	1101.7	954.0	786.9	927.4	975.8
70°	4484.3	2383.8	633.2	682.8	905.6	935.8	878.9	724.0	846.3	901.9
72.5°	3187.7	1408.0	455.2	478.2	727.6	779.7	773.6	653.8	751.8	819.6
75°	2199.8	776.0	307.5	341.4	527.8	633.2	596.9	561.7	636.8	705.8
77.5°	1378.9	347.5	184.0	237.3	346.3	497.6	409.2	434.6	496.4	560.5
80°	767.6	134.4	102.9	157.4	188.9	362.0	226.4	279.7	365.6	411.6
82.5°	167.1	16.9	46.0	67.8	73.9	210.7	119.9	162.2	230.0	226.4
85°	0.0	0.0	8.5	9.7	4.8	90.8	43.6	53.3	75.1	70.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951519  
 CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2433.4	0°	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4
2188.9	2.5°	2179.2	2119.9	2076.3	2054.5	2036.3	2053.3	2063.0	2063.0	2104.1	2128.3
2017.0	5°	1974.6	1868.1	1786.9	1732.5	1699.8	1710.7	1722.8	1736.1	1788.2	1823.3
1915.3	7.5°	1832.9	1669.5	1546.0	1469.7	1429.8	1435.8	1444.3	1455.2	1506.1	1541.2
1929.8	10°	1806.3	1571.4	1397.1	1296.6	1248.2	1239.7	1234.9	1231.2	1261.5	1288.1
2094.5	12.5°	1915.3	1576.3	1332.9	1210.7	1151.3	1125.9	1096.9	1073.9	1078.7	1095.7
2343.8	15°	2110.2	1638.0	1312.4	1165.9	1092.0	1049.6	1015.7	987.9	981.8	987.9
2561.8	17.5°	2333.0	1721.6	1309.9	1127.1	1035.1	991.5	963.7	938.3	929.8	931.0
2684.0	20°	2480.7	1788.2	1302.7	1083.5	980.6	941.9	917.7	892.3	883.8	886.2
2650.1	22.5°	2495.2	1823.3	1291.8	1035.1	926.2	893.5	869.3	846.3	845.0	845.0
2523.0	25°	2416.5	1823.3	1268.8	991.5	874.1	845.0	823.3	795.4	800.2	802.7
2379.0	27.5°	2294.2	1779.7	1225.2	956.4	829.3	799.0	777.2	751.8	757.9	761.5
2244.6	30°	2173.1	1724.0	1173.1	916.5	786.9	751.8	736.1	714.3	716.7	721.6
2111.4	32.5°	2060.6	1664.7	1111.4	883.8	744.6	709.4	697.3	673.1	676.8	681.6
1980.6	35°	1949.2	1599.3	1038.8	845.0	705.8	670.7	661.0	633.2	635.6	642.9
1849.9	37.5°	1829.3	1530.3	979.4	806.3	668.3	632.0	622.3	593.2	595.6	604.1
1714.3	40°	1703.4	1462.5	921.3	765.1	628.3	592.0	583.5	552.1	554.5	564.2
1581.1	42.5°	1576.3	1388.6	876.5	711.9	587.2	548.4	540.0	510.9	514.5	525.4
1464.9	45°	1458.9	1300.3	847.5	652.5	548.4	504.8	496.4	469.7	477.0	489.1
1366.8	47.5°	1358.4	1209.5	835.4	602.9	507.3	460.1	452.8	431.0	443.1	456.4
1283.3	50°	1272.4	1122.3	819.6	552.1	468.5	421.3	414.0	399.5	415.3	428.6
1226.4	52.5°	1210.7	1023.0	785.7	506.1	434.6	388.6	386.2	378.9	393.5	405.6
1184.0	55°	1157.4	920.1	731.2	466.1	404.4	360.8	363.2	359.6	371.7	381.4
1158.6	57.5°	1109.0	830.5	662.2	434.6	371.7	336.6	343.8	339.0	345.0	351.1
1132.0	60°	1050.9	739.7	579.9	399.5	332.9	312.4	320.8	307.5	306.3	308.7
1083.5	62.5°	964.9	617.4	494.0	355.9	299.0	285.7	289.3	263.9	244.6	244.6
1012.1	65°	845.0	496.4	414.0	307.5	260.3	249.4	247.0	210.7	184.0	181.6
934.6	67.5°	705.8	408.0	343.8	259.1	216.7	209.4	211.9	185.2	158.6	156.2
857.2	70°	575.1	337.8	277.2	207.0	167.1	174.3	185.2	158.6	133.2	129.5
766.4	72.5°	467.3	268.8	216.7	158.6	123.5	144.1	157.4	129.5	105.3	102.9
653.8	75°	360.8	197.3	155.0	107.7	89.6	111.4	123.5	94.4	75.1	71.4
506.1	77.5°	240.9	122.3	87.2	67.8	53.3	76.3	82.3	49.6	43.6	42.4
368.0	80°	146.5	56.9	37.5	32.7	18.2	27.8	32.7	20.6	23.0	24.2
196.1	82.5°	73.9	15.7	6.1	1.2	0.0	0.0	9.7	4.8	9.7	12.1
53.3	85°	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.1
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

REPORT NUMBER: P951519  
 CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2433.4	0°	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4
2138.0	2.5°	2205.8	2256.7	2305.1	2382.6	2462.5	2541.2	2621.1	2698.6	2726.4	2747.0
1846.3	5°	1951.6	2047.2	2158.6	2312.4	2477.0	2646.5	2818.4	2975.8	3047.2	3095.7
1571.4	7.5°	1688.9	1813.6	1973.4	2204.6	2462.5	2732.5	3002.4	3250.6	3365.6	3458.9
1312.4	10°	1428.6	1564.2	1766.4	2030.3	2379.0	2766.4	3139.3	3480.7	3629.6	3747.0
1125.9	12.5°	1199.8	1326.9	1538.8	1830.5	2248.2	2739.7	3217.9	3628.4	3803.9	3935.9
992.7	15°	1038.8	1128.3	1316.0	1630.8	2093.2	2653.8	3222.8	3698.6	3891.1	4029.1
937.1	17.5°	949.2	979.4	1101.7	1427.4	1921.3	2541.2	3178.0	3722.8	3928.6	4056.9
887.4	20°	900.7	905.6	939.5	1163.4	1701.0	2435.9	3135.6	3747.0	3963.7	4071.5
852.3	22.5°	862.0	862.0	870.5	951.6	1416.5	2309.9	3122.3	3789.4	4012.1	4078.7
812.4	25°	826.9	826.9	829.3	851.1	1122.3	2117.5	3113.8	3854.8	4078.7	4096.9
772.4	27.5°	790.6	791.8	791.8	803.9	904.4	1855.9	3077.5	3939.5	4158.6	4121.1
733.7	30°	754.2	756.7	756.7	765.1	800.2	1549.7	3006.1	4041.2	4262.8	4152.6
694.9	32.5°	717.9	720.3	720.3	727.6	753.0	1237.3	2916.5	4134.4	4368.1	4165.9
657.4	35°	680.4	684.0	681.6	691.3	717.9	984.3	2802.7	4227.6	4481.9	4208.3
621.1	37.5°	642.9	645.3	644.1	653.8	684.0	849.9	2670.7	4297.9	4636.8	4302.7
582.3	40°	605.3	604.1	604.1	615.0	647.7	811.1	2504.9	4409.2	4859.6	4468.6
543.6	42.5°	566.6	566.6	564.2	576.3	616.2	782.1	2346.3	4609.0	5184.1	4732.5
507.3	45°	531.5	530.3	525.4	536.3	586.0	731.2	2290.6	4981.9	5663.5	5159.9
470.9	47.5°	497.6	496.4	484.3	494.0	549.6	685.2	2498.8	5592.1	6328.1	5788.2
441.9	50°	467.3	468.5	445.5	454.0	513.3	650.1	2950.4	6383.8	7210.7	6634.4
417.7	52.5°	439.5	439.5	409.2	414.0	468.5	618.6	3380.2	7242.2	8375.4	7814.8
392.3	55°	411.6	409.2	375.3	377.7	423.7	573.9	3444.3	8080.0	9963.8	9590.9
364.4	57.5°	380.1	375.3	343.8	343.8	382.6	541.2	2985.5	8724.1	11934.7	12201.1
312.4	60°	341.4	337.8	317.2	311.1	349.9	570.2	2106.6	8799.1	13205.9	15672.1
248.2	62.5°	291.8	296.6	285.7	277.2	318.4	592.0	1248.2	8195.0	12898.4	16776.2
192.5	65°	230.0	249.4	247.0	240.9	349.9	498.8	737.3	7035.2	11955.3	15885.1
168.3	67.5°	196.1	209.4	205.8	205.8	366.8	378.9	463.7	5496.4	10657.5	14828.2
140.4	70°	167.1	180.4	167.1	167.1	277.2	230.0	320.8	3837.8	9256.7	13658.7
112.6	72.5°	138.0	151.3	136.8	127.1	221.6	171.9	234.9	2398.3	7927.4	12440.8
79.9	75°	105.3	121.1	110.2	98.1	146.5	128.3	178.0	1393.5	6567.9	10644.2
48.4	77.5°	66.6	87.2	82.3	69.0	107.7	93.2	128.3	829.3	5067.8	8317.3
29.1	80°	41.2	44.8	46.0	43.6	61.7	63.0	87.2	472.2	3468.6	5796.7
18.2	82.5°	26.6	26.6	20.6	23.0	30.3	36.3	49.6	178.0	2038.8	3529.1
10.9	85°	19.4	16.9	10.9	10.9	14.5	18.2	19.4	54.5	826.9	1393.5
4.8	87.5°	9.7	8.5	3.6	4.8	7.3	6.1	4.8	2.4	208.2	445.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951519  
 CATALOG NUMBER: GALN-SB5C-927-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
2433.4	0°	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4	2433.4
2793.0	2.5°	2817.2	2854.7	2857.2	2857.2	2824.5	2823.3	2756.7	2749.4
3204.6	5°	3317.2	3341.4	3347.5	3335.4	3270.0	3221.6	3092.0	3064.2
3624.7	7.5°	3774.9	3823.3	3823.3	3794.2	3687.7	3588.4	3400.8	3330.5
3972.2	10°	4140.5	4196.2	4184.1	4124.7	3990.4	3853.5	3625.9	3533.9
4182.8	12.5°	4318.4	4375.3	4343.9	4276.1	4145.3	4001.2	3761.5	3657.4
4243.4	15°	4314.8	4299.1	4266.4	4257.9	4195.0	4086.0	3862.0	3748.2
4205.9	17.5°	4161.1	4027.9	4002.5	4087.2	4167.1	4140.5	3949.2	3842.7
4116.3	20°	3917.7	3685.3	3662.3	3824.5	4052.1	4168.3	4030.3	3932.2
3986.7	22.5°	3661.1	3410.4	3357.2	3536.4	3879.0	4176.8	4133.2	4035.1
3843.9	25°	3417.7	3165.9	3112.6	3279.7	3686.5	4162.3	4244.6	4161.1
3707.1	27.5°	3214.3	2971.0	2921.3	3088.4	3501.2	4121.1	4356.0	4296.7
3571.5	30°	3056.9	2831.7	2795.4	2956.4	3341.4	4070.3	4497.6	4464.9
3445.6	32.5°	2964.9	2800.3	2813.6	2945.5	3255.5	4014.6	4633.2	4649.0
3383.8	35°	3055.7	3063.0	3179.2	3233.7	3335.4	4006.1	4817.2	4879.0
3457.7	37.5°	3507.3	3759.1	4000.0	3955.2	3726.4	4104.2	5092.1	5207.1
3779.7	40°	4276.1	4793.0	5184.1	5013.4	4437.1	4404.4	5487.9	5659.9
4351.1	42.5°	5215.5	6092.1	6736.1	6278.5	5353.6	4929.8	6053.3	6272.5
5042.4	45°	6207.1	7693.8	8708.3	7756.7	6330.6	5665.9	6909.3	7081.2
5690.1	47.5°	7251.9	9640.5	10952.9	9396.0	7236.1	6503.7	8076.3	8116.3
6303.9	50°	8394.8	11774.9	13241.0	11034.0	8110.2	7463.7	9502.5	9456.5
7019.4	52.5°	9483.1	13969.9	15480.8	12679.3	8877.8	8655.0	11157.5	11063.1
7997.7	55°	10521.9	16163.6	17733.8	14260.4	9601.8	10228.9	13123.6	12552.2
9408.1	57.5°	11726.5	18135.8	20055.9	15848.8	10613.9	12272.5	15322.2	13416.6
12109.1	60°	13507.4	20376.7	22681.8	18025.6	12538.9	14420.2	16110.3	13251.9
15344.0	62.5°	15781.0	22437.3	24591.0	20158.8	14472.3	14824.6	14949.3	11983.2
14684.2	65°	16222.9	22959.1	24698.8	20729.0	14222.9	12575.2	12204.7	9632.1
13116.3	67.5°	15051.0	22015.9	23192.7	19667.3	12581.2	9718.0	9158.7	6988.0
12087.3	70°	13736.2	20218.1	20568.0	17862.2	11065.5	7147.8	6185.3	4484.3
11382.7	72.5°	12388.7	17819.8	17095.8	15512.3	9725.3	5204.6	4461.3	3187.7
10379.0	75°	10788.2	14666.0	13466.2	12888.7	8052.1	4084.8	3227.6	2199.8
8927.4	77.5°	8639.3	10323.3	10002.5	9990.4	6050.9	2984.3	2153.8	1378.9
6974.6	80°	6094.5	6699.8	6536.4	7524.3	4059.4	2164.7	1296.6	767.6
4854.8	82.5°	2950.4	3704.6	3802.7	4480.7	1974.6	1273.6	299.0	167.1
1898.3	85°	1155.0	1786.9	1507.3	1701.0	554.5	354.7	7.3	0.0
312.4	87.5°	129.5	207.0	190.1	150.1	67.8	14.5	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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