

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: P950089

Luminaire Tested: **GALN-SB4C-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950089
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-SB4C-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13943 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

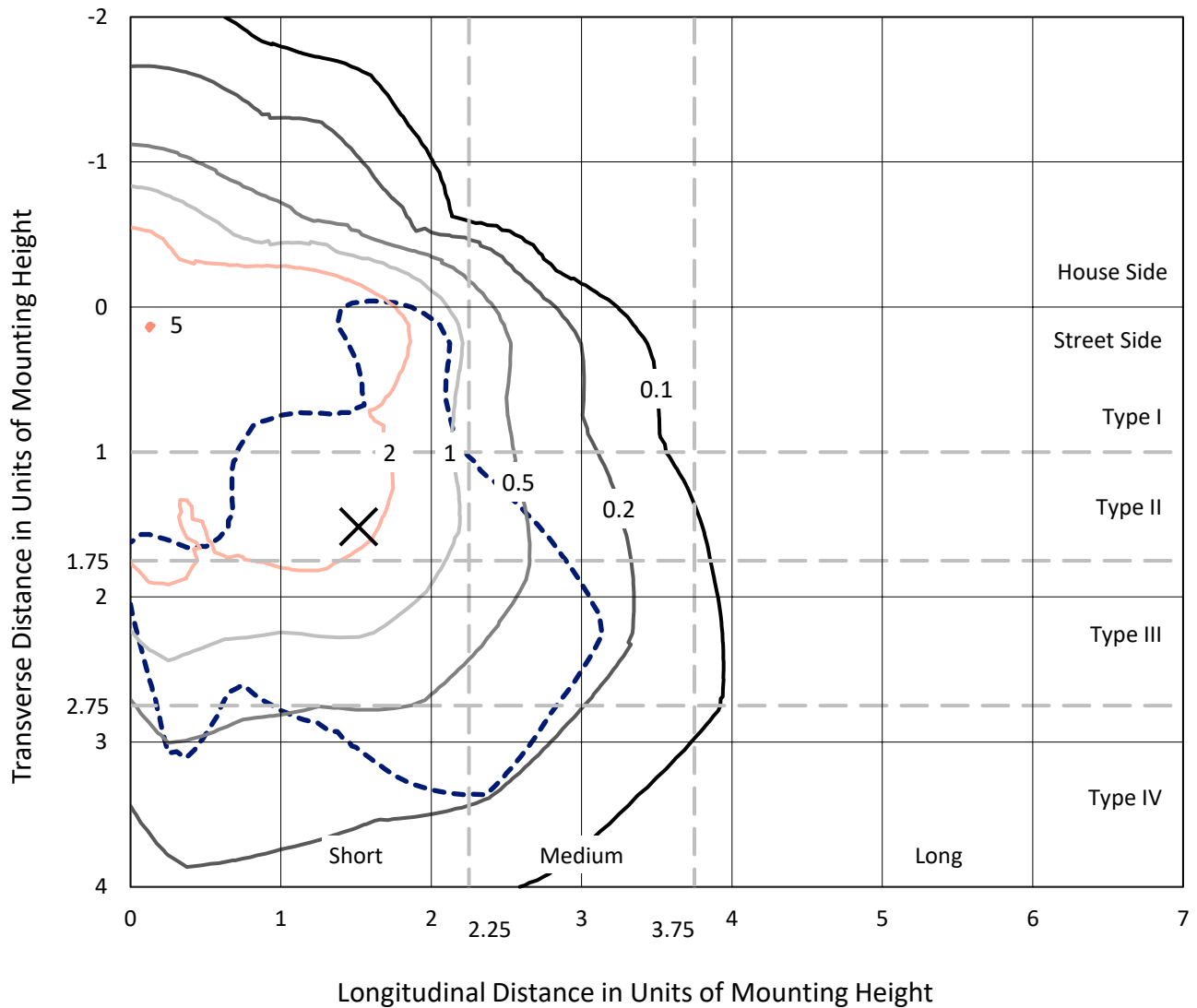
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950089
 CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

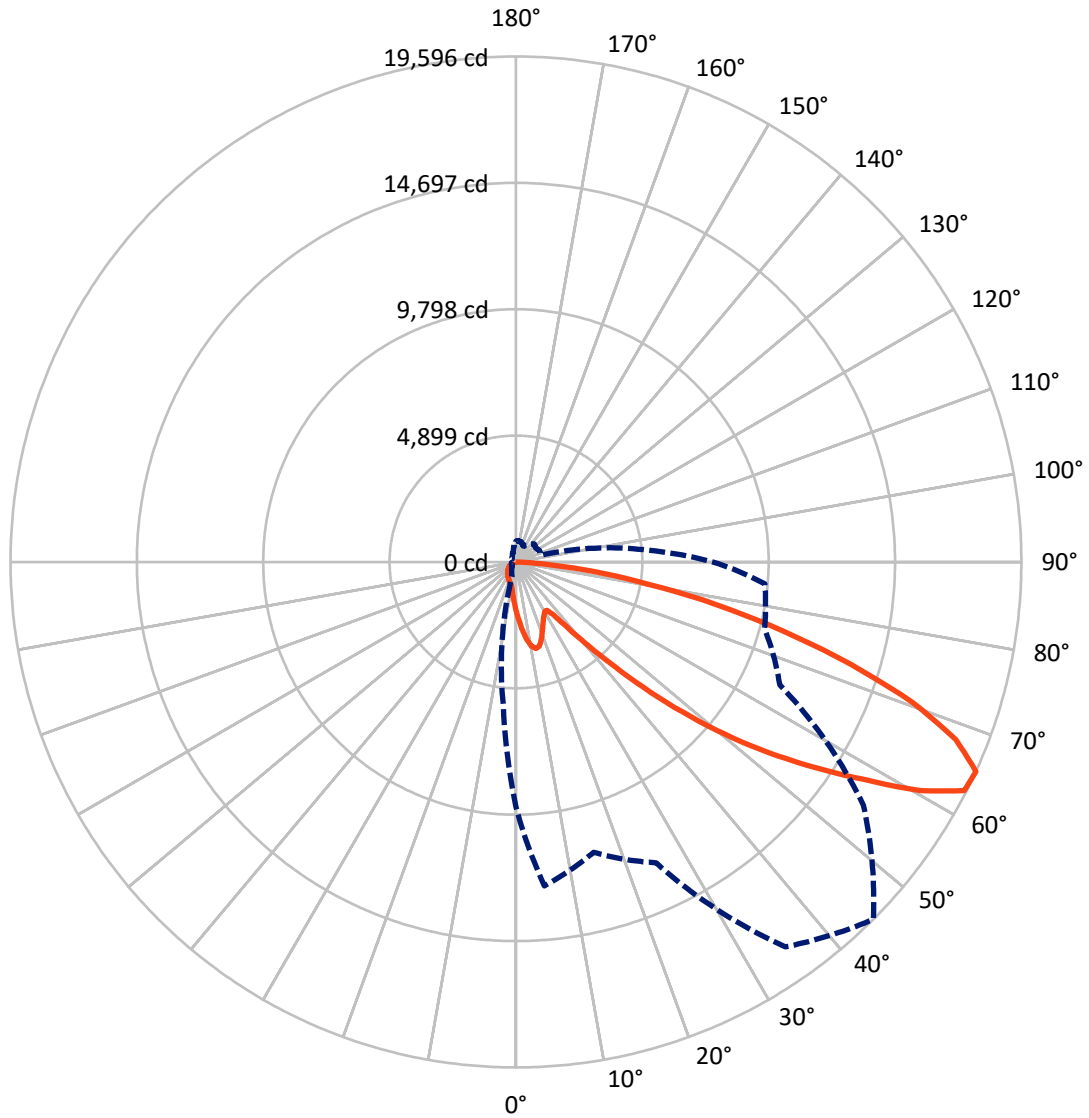
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P950089
CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P950089
 CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2771.4	0.0	2771.4
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	11171.6	0.0	11171.6
	% Fixture	80.1	0.0	80.1
Total	Lumens	13943.0	0.0	13943.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	1.4
10°-20°	569.8	4.1
20°-30°	839.4	6.0
30°-40°	1078.4	7.7
40°-50°	1744.2	12.5
50°-60°	3058.6	21.9
60°-70°	3827.1	27.4
70°-80°	2236.4	16.0
80°-90°	399.0	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°	13943.0	100.0
0°-180°	13943.0	100.0



REPORT NUMBER: P950089

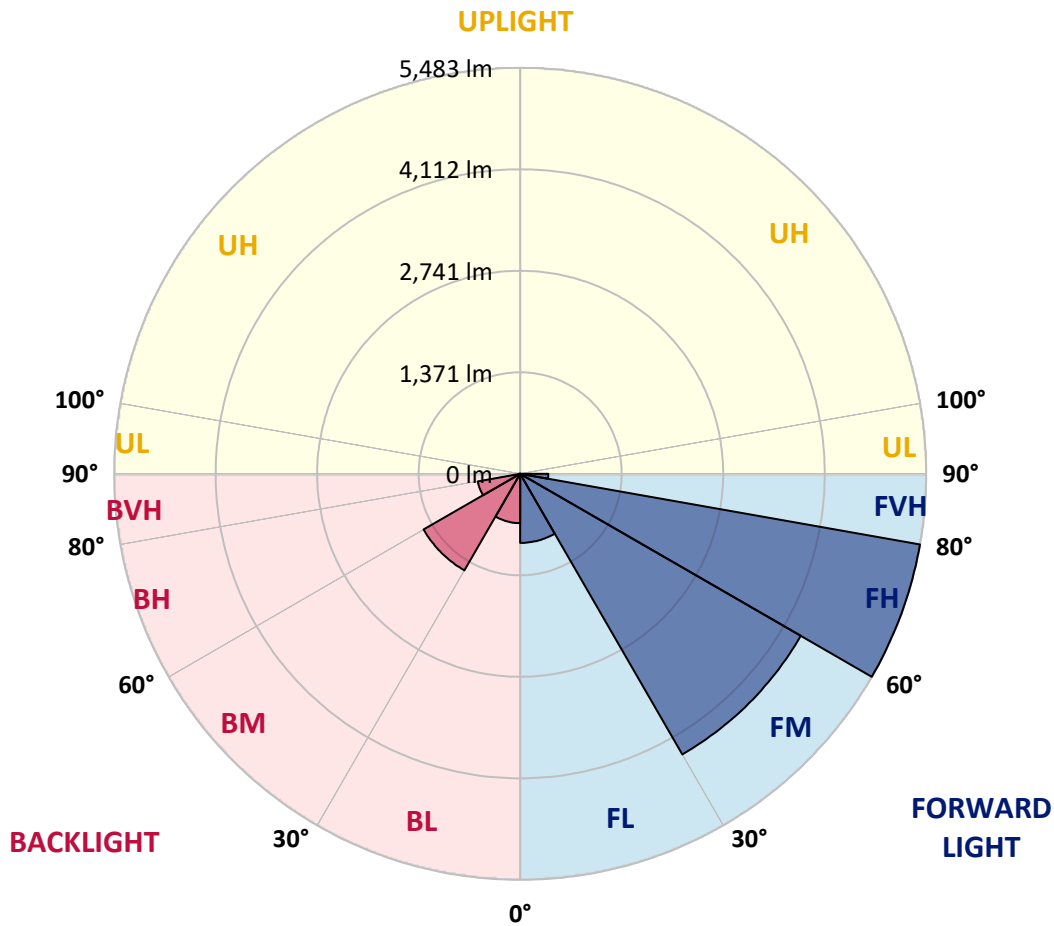
CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.9	6.7			
FM (30°-60°)	4375.5	31.4			
FH (60°-80°)	5482.8	39.3			G3/7500
FVH (80°-90°)	380.3	2.7			G3/500
BL (0°-30°)	666.4	4.8	B2/1000		
BM (30°-60°)	1505.7	10.8	B2/2500		
BH (60°-80°)	580.7	4.2	B2/1000		G2/1000
BVH (80°-90°)	18.7	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: P950089
 CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7
2.5°	2163.1	2179.4	2215.9	2235.1	2264.9	2266.8	2266.8	2240.9	2239.9	2187.1
5°	2417.6	2456.1	2542.5	2631.8	2651.1	2655.9	2646.3	2594.4	2556.0	2453.2
7.5°	2670.3	2744.2	2875.8	2994.9	3033.3	3033.3	3010.3	2925.8	2847.0	2698.1
10°	2879.7	2972.8	3151.5	3285.0	3329.2	3319.6	3272.5	3165.9	3057.4	2876.8
12.5°	3018.0	3122.7	3318.6	3426.2	3471.3	3446.4	3392.6	3288.8	3174.5	2984.4
15°	3087.1	3196.6	3366.6	3423.3	3410.8	3384.9	3378.2	3328.2	3241.8	3064.1
17.5°	3116.9	3218.7	3336.9	3301.3	3195.7	3175.5	3242.7	3306.1	3285.0	3133.2
20°	3144.8	3230.3	3265.8	3108.3	2923.8	2905.6	3034.3	3214.9	3307.1	3197.6
22.5°	3183.2	3236.0	3163.0	2904.6	2705.8	2663.5	2805.7	3077.5	3313.8	3279.2
25°	3236.0	3250.4	3049.7	2711.6	2511.8	2469.5	2602.1	2924.8	3302.3	3367.6
27.5°	3299.4	3269.6	2941.1	2550.2	2357.1	2317.8	2450.3	2777.8	3269.6	3456.0
30°	3382.0	3294.6	2833.6	2425.3	2246.7	2217.9	2345.6	2651.1	3229.3	3568.4
32.5°	3465.6	3305.2	2733.7	2352.3	2221.7	2232.3	2337.0	2582.9	3185.1	3675.9
35°	3555.9	3338.8	2684.7	2424.4	2430.1	2522.3	2565.6	2646.3	3178.4	3821.9
37.5°	3678.8	3413.7	2743.3	2782.6	2982.4	3173.6	3138.0	2956.5	3256.2	4040.0
40°	3855.6	3545.3	2998.8	3392.6	3802.7	4113.0	3977.5	3520.3	3494.4	4354.1
42.5°	4113.0	3754.7	3452.1	4138.0	4833.4	5344.4	4981.3	4247.5	3911.3	4802.6
45°	4493.3	4093.8	4000.6	4924.6	6104.1	6909.1	6154.1	5022.6	4495.3	5481.7
47.5°	5020.7	4592.3	4514.5	5753.6	7648.7	8689.9	7454.7	5741.1	5160.0	6407.7
50°	5720.9	5263.7	5001.5	6660.3	9342.1	10505.3	8754.2	6434.6	5921.6	7539.2
52.5°	6644.9	6200.2	5569.1	7523.8	11083.5	12282.3	10059.6	7043.5	6866.8	8852.2
55°	7905.1	7609.3	6345.2	8347.9	12824.0	14069.8	11314.0	7617.9	8115.5	10412.1
57.5°	9468.9	9680.2	7464.3	9303.7	14388.7	15912.1	12574.3	8420.9	9736.9	12156.4
60°	10477.4	12434.0	9607.2	10716.6	16166.6	17995.5	14301.3	9948.2	11440.8	12781.7
62.5°	10233.5	13310.0	12173.7	12520.5	17801.4	19510.2	15993.7	11482.1	11761.7	11860.6
65°	9485.2	12603.1	11650.2	12871.1	18215.4	19595.7	16446.1	11284.3	9977.0	9683.1
67.5°	8455.5	11764.5	10406.3	11941.3	17467.2	18400.8	15603.8	9981.8	7710.2	7266.4
70°	7344.2	10836.7	9589.9	10898.1	16040.8	16318.4	14171.6	8779.2	5671.0	4907.3
72.5°	6289.5	9870.4	9030.9	9829.1	14138.0	13563.6	12307.2	7715.9	4129.3	3539.5
75°	5210.9	8445.0	8234.6	8559.3	11635.8	10683.9	10225.8	6388.5	3240.8	2560.8
77.5°	4020.8	6598.8	7082.9	6854.3	8190.4	7935.9	7926.3	4800.7	2367.7	1708.8
80°	2751.9	4599.0	5533.6	4835.3	5315.6	5185.9	5969.7	3220.6	1717.4	1028.7
82.5°	1617.5	2799.9	3851.7	2340.8	2939.2	3017.0	3554.9	1566.6	1010.5	237.3
85°	656.0	1105.6	1506.1	916.3	1417.7	1195.9	1349.5	439.9	281.4	5.8
87.5°	165.2	353.5	247.8	102.8	164.3	150.8	119.1	53.8	11.5	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: P950089
 CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1930.7	0°	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7
2181.4	2.5°	2143.9	2121.8	2067.1	2012.3	1968.1	1908.6	1869.2	1822.1	1777.0	1736.6
2431.1	5°	2370.6	2297.6	2197.7	2106.4	2013.3	1923.0	1833.6	1739.5	1653.1	1600.2
2642.4	7.5°	2555.0	2426.3	2293.7	2177.5	2065.1	1959.5	1841.3	1727.0	1591.6	1519.6
2803.8	10°	2692.4	2523.3	2349.4	2215.9	2102.6	1999.8	1899.9	1784.7	1621.4	1531.1
2901.8	12.5°	2782.6	2581.9	2378.3	2225.5	2098.8	2019.0	1974.8	1929.7	1767.4	1661.7
2973.8	15°	2845.1	2623.2	2398.4	2203.4	2047.8	1989.3	2033.4	2085.3	1981.6	1859.6
3048.7	17.5°	2913.3	2677.0	2407.1	2143.9	1948.9	1923.9	2038.2	2158.3	2153.5	2032.5
3119.8	20°	2985.3	2724.1	2401.3	2047.8	1828.8	1850.9	1996.9	2136.2	2194.8	2129.5
3201.4	22.5°	3059.3	2769.2	2379.2	1923.0	1716.5	1785.6	1931.6	2053.6	2122.8	2102.6
3301.3	25°	3152.4	2832.6	2346.6	1788.5	1623.3	1719.3	1855.7	1954.7	2002.7	2001.7
3408.9	27.5°	3263.9	2917.1	2329.3	1680.0	1557.0	1644.4	1765.4	1853.8	1887.4	1887.4
3542.4	30°	3393.5	3017.0	2310.1	1608.9	1518.6	1566.6	1660.8	1747.2	1780.8	1780.8
3688.4	32.5°	3537.6	3113.1	2264.0	1565.7	1489.8	1490.7	1550.3	1629.1	1669.4	1675.2
3870.9	35°	3710.5	3215.8	2163.1	1531.1	1456.2	1416.8	1445.6	1510.9	1558.9	1571.4
4131.2	37.5°	3937.2	3341.7	2019.0	1480.2	1404.3	1339.0	1345.7	1395.6	1448.5	1467.7
4490.5	40°	4241.7	3489.6	1869.2	1407.2	1331.3	1253.5	1250.6	1287.1	1339.0	1360.1
4976.5	42.5°	4644.1	3667.3	1726.1	1337.1	1242.9	1163.2	1158.4	1187.2	1232.4	1254.4
5618.1	45°	5159.0	3885.3	1603.1	1282.3	1156.5	1077.7	1075.8	1099.8	1139.2	1162.2
6439.4	47.5°	5874.6	4103.4	1519.6	1253.5	1088.3	1007.6	1011.4	1032.6	1068.1	1084.4
7502.7	50°	6807.3	4169.6	1477.3	1253.5	1051.8	945.2	964.4	981.7	1008.6	1018.2
8777.3	52.5°	7702.5	3950.6	1438.9	1261.2	1056.6	892.3	933.6	946.1	969.2	973.0
9958.7	55°	8141.4	3396.4	1386.0	1263.1	1086.4	847.2	908.7	931.7	940.4	939.4
10644.6	57.5°	7990.6	2746.1	1296.7	1255.4	1106.5	818.4	877.9	922.1	927.9	919.2
10513.9	60°	7461.4	2021.9	1228.5	1198.7	1098.8	809.7	830.9	901.0	909.6	898.1
9507.3	62.5°	6573.8	1403.3	1175.7	1073.9	1065.2	806.8	756.9	854.9	876.0	859.7
7642.0	65°	5175.3	991.3	1012.4	941.3	992.2	791.5	680.1	799.2	828.0	803.0
5544.2	67.5°	3502.1	715.6	820.3	852.9	874.1	756.9	624.3	735.8	774.2	741.5
3557.8	70°	1891.3	502.4	541.7	718.5	742.5	697.3	574.4	671.4	715.6	680.1
2529.1	72.5°	1117.1	361.2	379.4	577.3	618.6	613.8	518.7	596.5	650.3	608.0
1745.3	75°	615.7	244.0	270.9	418.8	502.4	473.5	445.7	505.2	560.0	518.7
1094.0	77.5°	275.7	146.0	188.3	274.7	394.8	324.7	344.8	393.8	444.7	401.5
609.0	80°	106.6	81.6	124.9	149.8	287.2	179.6	221.9	290.1	326.6	292.0
132.6	82.5°	13.4	36.5	53.8	58.6	167.1	95.1	128.7	182.5	179.6	155.6
0.0	85°	0.0	6.7	7.7	3.8	72.0	34.6	42.3	59.6	55.7	42.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	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: P950089
 CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1930.7	0°	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7
1728.9	2.5°	1681.9	1647.3	1630.0	1615.6	1629.1	1636.7	1636.7	1669.4	1688.6	1696.3
1566.6	5°	1482.1	1417.7	1374.5	1348.6	1357.2	1366.8	1377.4	1418.7	1446.6	1464.8
1454.2	7.5°	1324.6	1226.6	1166.1	1134.4	1139.2	1145.9	1154.6	1194.9	1222.8	1246.8
1433.1	10°	1246.8	1108.4	1028.7	990.3	983.6	979.7	976.9	1000.9	1022.0	1041.2
1519.6	12.5°	1250.6	1057.5	960.5	913.5	893.3	870.2	852.0	855.8	869.3	893.3
1674.2	15°	1299.6	1041.2	925.0	866.4	832.8	805.9	783.8	779.0	783.8	787.6
1850.9	17.5°	1365.9	1039.3	894.3	821.3	786.7	764.6	744.4	737.7	738.6	743.4
1968.1	20°	1418.7	1033.5	859.7	778.0	747.3	728.1	707.9	701.2	703.1	704.1
1979.6	22.5°	1446.6	1024.9	821.3	734.8	708.9	689.7	671.4	670.4	670.4	676.2
1917.2	25°	1446.6	1006.6	786.7	693.5	670.4	653.2	631.1	634.9	636.8	644.5
1820.2	27.5°	1412.0	972.1	758.8	658.0	633.9	616.7	596.5	601.3	604.2	612.8
1724.1	30°	1367.8	930.8	727.1	624.3	596.5	584.0	566.7	568.6	572.5	582.1
1634.8	32.5°	1320.7	881.8	701.2	590.7	562.9	553.3	534.1	536.9	540.8	551.3
1546.4	35°	1268.9	824.1	670.4	560.0	532.1	524.4	502.4	504.3	510.0	521.6
1451.4	37.5°	1214.1	777.1	639.7	530.2	501.4	493.7	470.7	472.6	479.3	492.8
1351.5	40°	1160.3	731.0	607.1	498.5	469.7	463.0	438.0	439.9	447.6	462.0
1250.6	42.5°	1101.7	695.4	564.8	465.9	435.1	428.4	405.3	408.2	416.9	431.3
1157.4	45°	1031.6	672.4	517.7	435.1	400.5	393.8	372.7	378.4	388.1	402.5
1077.7	47.5°	959.6	662.8	478.3	402.5	365.0	359.2	341.9	351.6	362.1	373.6
1009.5	50°	890.4	650.3	438.0	371.7	334.3	328.5	317.0	329.5	340.0	350.6
960.5	52.5°	811.6	623.4	401.5	344.8	308.3	306.4	300.6	312.2	321.8	331.4
918.3	55°	730.0	580.2	369.8	320.8	286.2	288.2	285.3	294.9	302.6	311.2
879.8	57.5°	658.9	525.4	344.8	294.9	267.0	272.8	268.9	273.8	278.6	289.1
833.7	60°	586.9	460.1	317.0	264.1	247.8	254.5	244.0	243.0	244.9	247.8
765.5	62.5°	489.9	391.9	282.4	237.3	226.7	229.6	209.4	194.0	194.0	196.9
670.4	65°	393.8	328.5	244.0	206.5	197.9	195.9	167.1	146.0	144.1	152.7
560.0	67.5°	323.7	272.8	205.6	171.9	166.2	168.1	147.0	125.8	123.9	133.5
456.3	70°	268.0	220.0	164.3	132.6	138.3	147.0	125.8	105.7	102.8	111.4
370.8	72.5°	213.2	171.9	125.8	98.0	114.3	124.9	102.8	83.6	81.6	89.3
286.2	75°	156.6	122.9	85.5	71.1	88.4	98.0	74.9	59.6	56.7	63.4
191.1	77.5°	97.0	69.2	53.8	42.3	60.5	65.3	39.4	34.6	33.6	38.4
116.2	80°	45.1	29.8	25.9	14.4	22.1	25.9	16.3	18.3	19.2	23.1
58.6	82.5°	12.5	4.8	1.0	0.0	0.0	7.7	3.8	7.7	9.6	14.4
4.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.8	8.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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: P950089
 CATALOG NUMBER: GALN-SB4C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
1930.7	0°	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7	1930.7
1750.1	2.5°	1790.4	1828.8	1890.3	1953.7	2016.1	2079.5	2141.0	2163.1
1548.4	5°	1624.3	1712.6	1834.6	1965.2	2099.7	2236.1	2361.0	2417.6
1339.9	7.5°	1438.9	1565.7	1749.1	1953.7	2167.9	2382.1	2579.0	2670.3
1133.4	10°	1241.0	1401.4	1610.8	1887.4	2194.8	2490.6	2761.5	2879.7
951.9	12.5°	1052.7	1220.8	1452.3	1783.7	2173.7	2553.1	2878.7	3018.0
824.1	15°	895.2	1044.1	1293.8	1660.8	2105.5	2556.9	2934.4	3087.1
753.1	17.5°	777.1	874.1	1132.5	1524.4	2016.1	2521.4	2953.6	3116.9
714.6	20°	718.5	745.4	923.1	1349.5	1932.6	2487.8	2972.8	3144.8
683.9	22.5°	683.9	690.6	755.0	1123.8	1832.7	2477.2	3006.4	3183.2
656.0	25°	656.0	658.0	675.3	890.4	1680.0	2470.5	3058.3	3236.0
627.2	27.5°	628.2	628.2	637.8	717.5	1472.5	2441.7	3125.6	3299.4
598.4	30°	600.3	600.3	607.1	634.9	1229.5	2385.0	3206.2	3382.0
569.6	32.5°	571.5	571.5	577.3	597.4	981.7	2313.9	3280.2	3465.6
539.8	35°	542.7	540.8	548.5	569.6	780.9	2223.6	3354.2	3555.9
510.0	37.5°	512.0	511.0	518.7	542.7	674.3	2118.9	3409.9	3678.8
480.3	40°	479.3	479.3	487.9	513.9	643.6	1987.3	3498.2	3855.6
449.5	42.5°	449.5	447.6	457.2	488.9	620.5	1861.5	3656.7	4113.0
421.7	45°	420.7	416.9	425.5	464.9	580.2	1817.3	3952.6	4493.3
394.8	47.5°	393.8	384.2	391.9	436.1	543.7	1982.5	4436.7	5020.7
370.8	50°	371.7	353.5	360.2	407.3	515.8	2340.8	5064.9	5720.9
348.7	52.5°	348.7	324.7	328.5	371.7	490.8	2681.8	5745.9	6644.9
326.6	55°	324.7	297.8	299.7	336.2	455.3	2732.7	6410.6	7905.1
301.6	57.5°	297.8	272.8	272.8	303.5	429.4	2368.7	6921.6	9468.9
270.9	60°	268.0	251.7	246.9	277.6	452.4	1671.3	6981.1	10477.4
231.5	62.5°	235.3	226.7	220.0	252.6	469.7	990.3	6501.8	10233.5
182.5	65°	197.9	195.9	191.1	277.6	395.7	585.0	5581.6	9485.2
155.6	67.5°	166.2	163.3	163.3	291.0	300.6	367.9	4360.8	8455.5
132.6	70°	143.1	132.6	132.6	220.0	182.5	254.5	3044.9	7344.2
109.5	72.5°	120.1	108.5	100.9	175.8	136.4	186.3	1902.8	6289.5
83.6	75°	96.1	87.4	77.8	116.2	101.8	141.2	1105.6	5210.9
52.8	77.5°	69.2	65.3	54.8	85.5	74.0	101.8	658.0	4020.8
32.7	80°	35.5	36.5	34.6	49.0	49.9	69.2	374.6	2751.9
21.1	82.5°	21.1	16.3	18.3	24.0	28.8	39.4	141.2	1617.5
15.4	85°	13.4	8.6	8.6	11.5	14.4	15.4	43.2	656.0
7.7	87.5°	6.7	2.9	3.8	5.8	4.8	3.8	1.9	165.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)