

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: P952945

Luminaire Tested: **GALN-SB6C-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952945
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-SB6C-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 21097 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

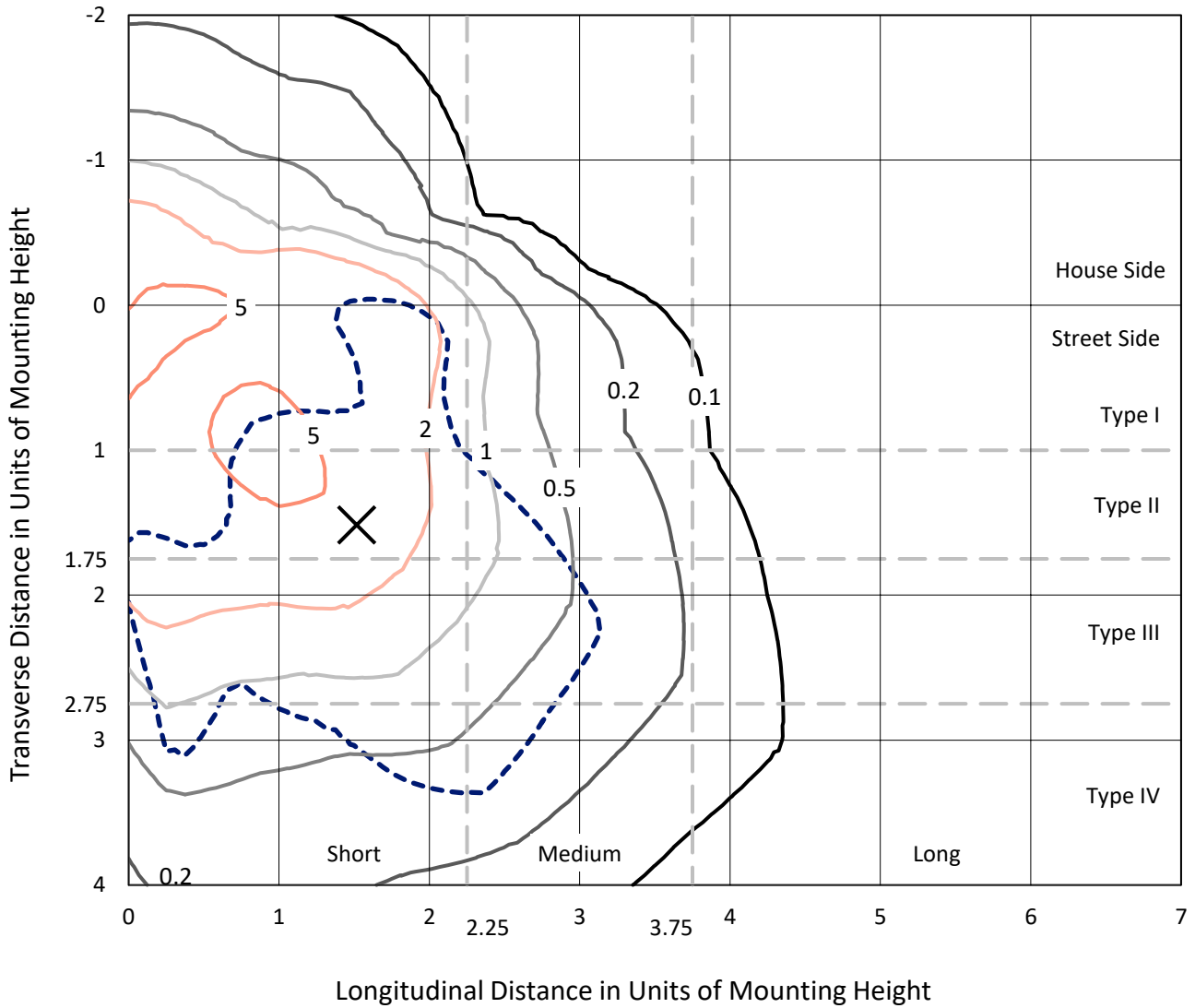
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952945
 CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

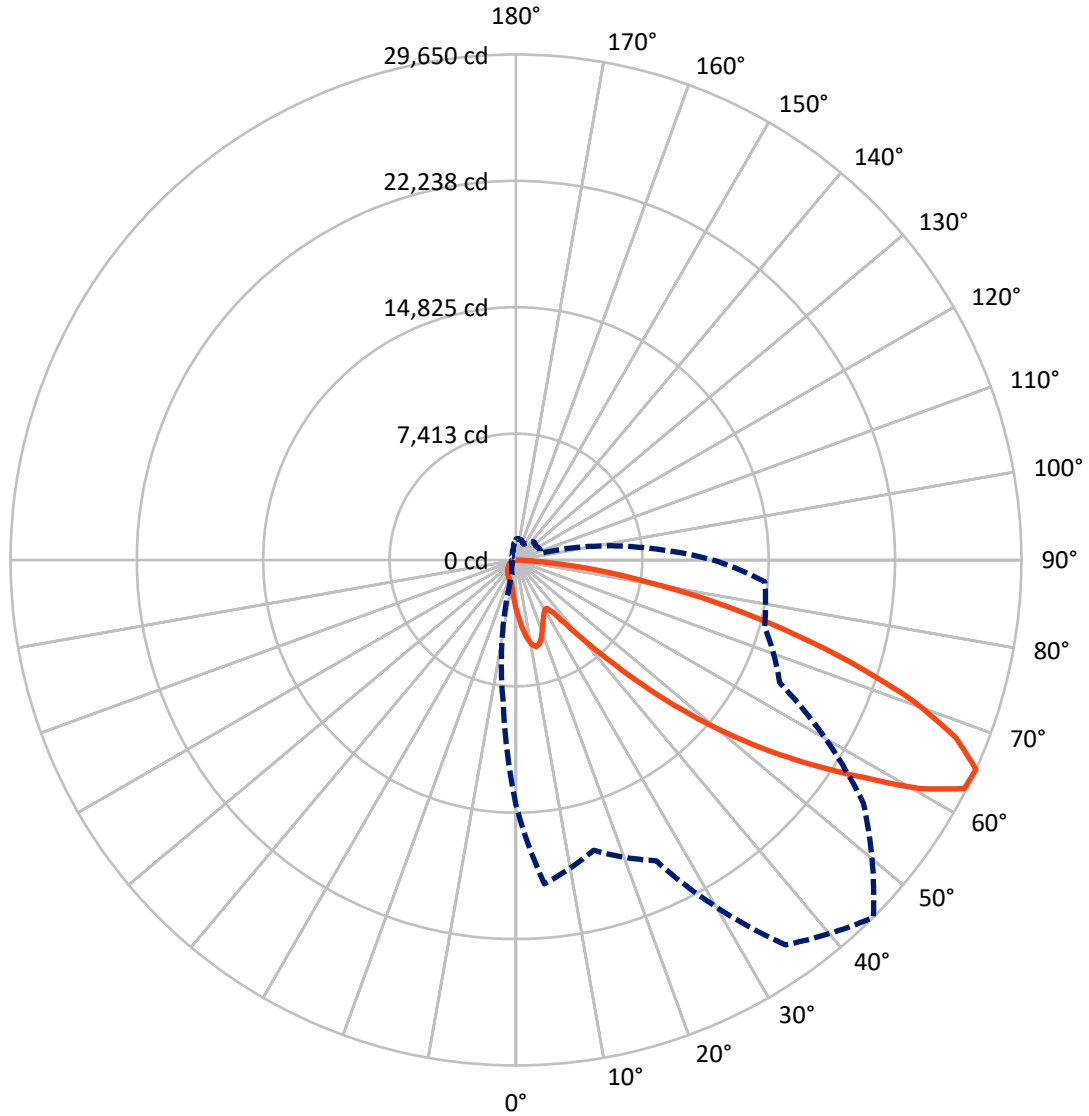
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P952945
CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952945
 CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4193.4	0.0	4193.4
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	16903.6	0.0	16903.6
	% Fixture	80.1	0.0	80.1
Total	Lumens	21097.0	0.0	21097.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	1.4
10°-20°	862.2	4.1
20°-30°	1270.1	6.0
30°-40°	1631.8	7.7
40°-50°	2639.1	12.5
50°-60°	4627.9	21.9
60°-70°	5790.8	27.4
70°-80°	3383.8	16.0
80°-90°	603.7	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°	21097.0	100.0
0°-180°	21097.0	100.0



REPORT NUMBER: P952945

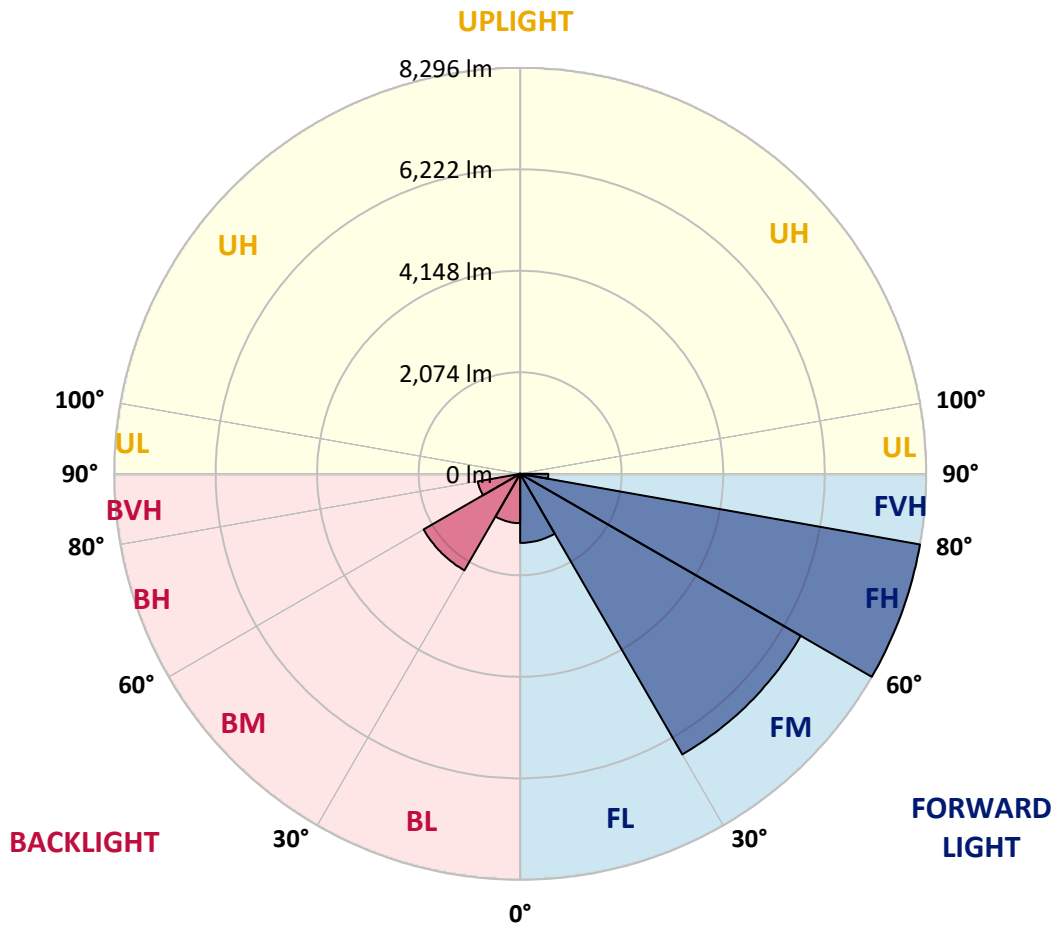
CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1411.6	6.7			
FM (30°-60°)	6620.5	31.4			
FH (60°-80°)	8296.0	39.3			G4/12000
FVH (80°-90°)	575.4	2.7			G4/750
BL (0°-30°)	1008.3	4.8	B3/2500		
BM (30°-60°)	2278.3	10.8	B2/2500		
BH (60°-80°)	878.6	4.2	B2/1000		G2/1000
BVH (80°-90°)	28.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



REPORT NUMBER: P952945
 CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2.5°	3273.0	3297.7	3352.9	3382.0	3427.0	3429.9	3429.9	3390.7	3389.2	3309.3
5°	3658.1	3716.2	3847.1	3982.2	4011.3	4018.5	4004.0	3925.5	3867.4	3711.9
7.5°	4040.3	4152.3	4351.4	4531.6	4589.7	4589.7	4554.8	4426.9	4307.8	4082.5
10°	4357.2	4498.2	4768.5	4970.5	5037.4	5022.8	4951.6	4790.3	4626.1	4352.8
12.5°	4566.5	4724.9	5021.4	5184.1	5252.5	5214.7	5133.3	4976.3	4803.4	4515.6
15°	4671.1	4836.8	5094.0	5179.8	5160.9	5121.7	5111.5	5035.9	4905.1	4636.2
17.5°	4716.2	4870.2	5049.0	4995.2	4835.3	4804.8	4906.6	5002.5	4970.5	4740.9
20°	4758.3	4887.7	4941.4	4703.1	4424.0	4396.4	4591.2	4864.4	5003.9	4838.2
22.5°	4816.4	4896.4	4785.9	4395.0	4094.1	4030.2	4245.3	4656.6	5014.1	4961.8
25°	4896.4	4918.2	4614.4	4102.8	3800.5	3736.6	3937.2	4425.5	4996.7	5095.5
27.5°	4992.3	4947.2	4450.2	3858.7	3566.6	3507.0	3707.5	4203.1	4947.2	5229.2
30°	5117.3	4985.0	4287.4	3669.7	3399.4	3355.8	3549.1	4011.3	4886.2	5399.2
32.5°	5243.7	5001.0	4136.3	3559.3	3361.6	3377.6	3536.0	3908.1	4819.4	5562.0
35°	5380.3	5051.9	4062.1	3668.3	3677.0	3816.5	3881.9	4004.0	4809.2	5782.9
37.5°	5566.4	5165.3	4150.8	4210.4	4512.7	4801.9	4748.1	4473.5	4926.9	6112.8
40°	5833.8	5364.4	4537.4	5133.3	5753.9	6223.3	6018.4	5326.6	5287.3	6588.1
42.5°	6223.3	5681.2	5223.4	6261.1	7313.3	8086.5	7537.1	6426.8	5918.1	7266.8
45°	6798.8	6194.2	6053.3	7451.4	9236.1	10454.0	9311.7	7599.6	6801.7	8294.3
47.5°	7596.7	6948.5	6830.8	8705.6	11573.1	13148.6	11279.5	8686.8	7807.5	9695.4
50°	8656.2	7964.4	7567.7	10077.6	14135.4	15895.4	13245.9	9736.1	8960.0	11407.4
52.5°	10054.4	9381.5	8426.6	11384.2	16770.4	18584.2	15221.1	10657.5	10390.1	13394.2
55°	11961.2	11513.5	9600.9	12631.2	19403.8	21288.9	17119.2	11526.6	12279.5	15754.5
57.5°	14327.3	14647.0	11294.1	14077.3	21771.4	24076.4	19026.0	12741.6	14732.7	18393.8
60°	15853.3	18813.8	14536.5	16215.2	24461.6	27228.8	21639.1	15052.5	17311.0	19339.9
62.5°	15484.1	20139.2	18419.9	18944.6	26935.2	29520.7	24199.9	17373.5	17796.4	17946.1
65°	14352.0	19069.6	17627.8	19475.1	27561.6	29650.1	24884.5	17074.1	15096.1	14651.4
67.5°	12794.0	17800.8	15745.7	18068.2	26429.4	27842.1	23609.9	15103.3	11666.1	10994.7
70°	11112.4	16396.8	14510.4	16489.9	24271.2	24691.2	21442.9	13283.7	8580.7	7425.2
72.5°	9516.6	14934.8	13664.5	14872.3	21392.0	20522.9	18621.9	11674.9	6248.0	5355.6
75°	7884.5	12778.0	12459.7	12950.9	17606.0	16165.8	15472.5	9666.3	4903.6	3874.7
77.5°	6083.8	9984.6	10717.1	10371.2	12392.8	12007.7	11993.2	7263.9	3582.5	2585.5
80°	4163.9	6958.7	8372.8	7316.2	8042.9	7846.7	9032.7	4873.1	2598.6	1556.6
82.5°	2447.5	4236.6	5828.0	3541.8	4447.3	4565.0	5378.9	2370.4	1528.9	359.0
85°	992.6	1672.8	2278.9	1386.5	2145.2	1809.4	2042.0	665.6	425.8	8.7
87.5°	250.0	534.8	375.0	155.5	248.5	228.2	180.2	81.4	17.4	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: P952945
 CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
3300.6	2.5°	3243.9	3210.5	3127.6	3044.8	2977.9	2887.8	2828.2	2757.0	2688.7	2627.7
3678.5	5°	3586.9	3476.4	3325.3	3187.2	3046.2	2909.6	2774.5	2632.0	2501.2	2421.3
3998.2	7.5°	3865.9	3671.2	3470.6	3294.8	3124.7	2964.9	2786.1	2613.1	2408.2	2299.2
4242.4	10°	4073.8	3818.0	3554.9	3352.9	3181.4	3025.9	2874.8	2700.3	2453.3	2316.7
4390.6	12.5°	4210.4	3906.6	3598.5	3367.4	3175.6	3055.0	2988.1	2919.8	2674.2	2514.3
4499.6	15°	4304.9	3969.1	3629.0	3334.0	3098.6	3009.9	3076.8	3155.3	2998.3	2813.7
4613.0	17.5°	4408.0	4050.5	3642.1	3243.9	2948.9	2911.1	3084.0	3265.7	3258.4	3075.3
4720.5	20°	4517.1	4121.7	3633.4	3098.6	2767.2	2800.6	3021.5	3232.3	3320.9	3222.1
4844.1	22.5°	4629.0	4190.0	3600.0	2909.6	2597.2	2701.8	2922.7	3107.3	3211.9	3181.4
4995.2	25°	4769.9	4286.0	3550.6	2706.2	2456.2	2601.5	2807.9	2957.6	3030.3	3028.8
5158.0	27.5°	4938.5	4413.9	3524.4	2541.9	2355.9	2488.2	2671.3	2805.0	2855.9	2855.9
5360.0	30°	5134.7	4565.0	3495.3	2434.4	2297.8	2370.4	2512.9	2643.7	2694.5	2694.5
5580.9	32.5°	5352.7	4710.3	3425.6	2369.0	2254.2	2255.6	2345.7	2464.9	2525.9	2534.7
5857.1	35°	5614.3	4865.9	3273.0	2316.7	2203.3	2143.7	2187.3	2286.1	2358.8	2377.7
6250.9	37.5°	5957.3	5056.2	3055.0	2239.6	2124.8	2026.0	2036.2	2111.7	2191.7	2220.7
6794.5	40°	6418.1	5280.1	2828.2	2129.2	2014.4	1896.6	1892.3	1947.5	2026.0	2058.0
7529.9	42.5°	7027.0	5548.9	2611.7	2023.1	1880.7	1760.0	1752.8	1796.4	1864.7	1898.1
8500.7	45°	7806.0	5878.9	2425.7	1940.2	1749.8	1630.7	1627.8	1664.1	1723.7	1758.6
9743.3	47.5°	8888.8	6208.8	2299.2	1896.6	1646.7	1524.6	1530.4	1562.4	1616.1	1640.8
11352.2	50°	10300.0	6309.0	2235.3	1896.6	1591.4	1430.1	1459.2	1485.3	1526.0	1540.6
13280.8	52.5°	11654.5	5977.7	2177.1	1908.3	1598.7	1350.2	1412.7	1431.6	1466.4	1472.3
15068.5	55°	12318.7	5139.1	2097.2	1911.2	1643.8	1281.9	1374.9	1409.8	1422.8	1421.4
16106.2	57.5°	12090.5	4155.2	1962.0	1899.5	1674.3	1238.3	1328.4	1395.2	1403.9	1390.9
15908.5	60°	11289.7	3059.3	1858.9	1813.8	1662.6	1225.2	1257.2	1363.3	1376.3	1358.9
14385.4	62.5°	9946.8	2123.4	1778.9	1624.9	1611.8	1220.8	1145.2	1293.5	1325.5	1300.8
11563.0	65°	7830.7	1499.9	1531.8	1424.3	1501.3	1197.6	1029.0	1209.2	1252.8	1215.0
8388.8	67.5°	5299.0	1082.8	1241.2	1290.6	1322.6	1145.2	944.7	1113.3	1171.4	1122.0
5383.3	70°	2861.7	760.1	819.7	1087.1	1123.4	1055.1	869.1	1015.9	1082.8	1029.0
3826.7	72.5°	1690.3	546.5	574.1	873.5	936.0	928.7	784.8	902.5	983.9	920.0
2640.8	75°	931.6	369.2	409.8	633.7	760.1	716.5	674.4	764.5	847.3	784.8
1655.4	77.5°	417.1	220.9	284.9	415.7	597.3	491.2	521.8	595.9	672.9	607.5
921.4	80°	161.3	123.5	188.9	226.7	434.6	271.8	335.7	438.9	494.1	441.8
200.6	82.5°	20.3	55.2	81.4	88.7	252.9	143.9	194.8	276.1	271.8	235.4
0.0	85°	0.0	10.2	11.6	5.8	109.0	52.3	63.9	90.1	84.3	63.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P952945
 CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2616.1	2.5°	2544.8	2492.5	2466.4	2444.6	2464.9	2476.5	2476.5	2525.9	2555.0	2566.6
2370.4	5°	2242.5	2145.2	2079.8	2040.5	2053.6	2068.1	2084.1	2146.6	2188.8	2216.4
2200.4	7.5°	2004.2	1855.9	1764.4	1716.4	1723.7	1733.9	1746.9	1808.0	1850.1	1886.5
2168.4	10°	1886.5	1677.2	1556.6	1498.4	1488.2	1482.4	1478.1	1514.4	1546.4	1575.4
2299.2	12.5°	1892.3	1600.2	1453.4	1382.1	1351.6	1316.7	1289.1	1294.9	1315.3	1351.6
2533.2	15°	1966.4	1575.4	1399.6	1310.9	1260.1	1219.4	1185.9	1178.7	1185.9	1191.8
2800.6	17.5°	2066.7	1572.5	1353.1	1242.6	1190.3	1156.9	1126.4	1116.2	1117.6	1124.9
2977.9	20°	2146.6	1563.8	1300.8	1177.2	1130.7	1101.6	1071.1	1061.0	1063.9	1065.3
2995.4	22.5°	2188.8	1550.7	1242.6	1111.8	1072.6	1043.5	1015.9	1014.4	1014.4	1023.2
2900.9	25°	2188.8	1523.1	1190.3	1049.3	1014.4	988.3	954.9	960.7	963.6	975.2
2754.1	27.5°	2136.4	1470.8	1148.2	995.6	959.2	933.1	902.5	909.8	914.2	927.2
2608.8	30°	2069.6	1408.3	1100.2	944.7	902.5	883.6	857.5	860.4	866.2	880.7
2473.6	32.5°	1998.4	1334.2	1061.0	893.8	851.7	837.1	808.1	812.4	818.2	834.2
2339.9	35°	1919.9	1247.0	1014.4	847.3	805.2	793.5	760.1	763.0	771.7	789.2
2196.0	37.5°	1837.1	1175.8	967.9	802.3	758.7	747.0	712.1	715.1	725.2	745.6
2044.9	40°	1755.7	1106.0	918.5	754.3	710.7	700.5	662.7	665.6	677.3	699.1
1892.3	42.5°	1667.0	1052.2	854.6	704.9	658.4	648.2	613.3	617.7	630.8	652.6
1751.3	45°	1560.9	1017.4	783.4	658.4	606.1	595.9	563.9	572.6	587.2	609.0
1630.7	47.5°	1451.9	1002.8	723.8	609.0	552.3	543.6	517.4	531.9	547.9	565.4
1527.5	50°	1347.3	983.9	662.7	562.5	505.8	497.1	479.6	498.5	514.5	530.5
1453.4	52.5°	1228.1	943.2	607.5	521.8	466.5	463.6	454.9	472.3	486.9	501.4
1389.4	55°	1104.6	877.8	559.5	485.4	433.1	436.0	431.6	446.2	457.8	470.9
1331.3	57.5°	997.0	795.0	521.8	446.2	404.0	412.8	406.9	414.2	421.5	437.5
1261.5	60°	888.0	696.2	479.6	399.7	375.0	385.1	369.2	367.7	370.6	375.0
1158.3	62.5°	741.2	593.0	427.3	359.0	343.0	347.4	316.8	293.6	293.6	297.9
1014.4	65°	595.9	497.1	369.2	312.5	299.4	296.5	252.9	220.9	218.0	231.1
847.3	67.5°	489.8	412.8	311.0	260.2	251.4	254.3	222.4	190.4	187.5	202.0
690.3	70°	405.5	332.8	248.5	200.6	209.3	222.4	190.4	159.9	155.5	168.6
561.0	72.5°	322.6	260.2	190.4	148.2	173.0	188.9	155.5	126.4	123.5	135.2
433.1	75°	236.9	186.0	129.3	107.5	133.7	148.2	113.4	90.1	85.7	95.9
289.2	77.5°	146.8	104.6	81.4	63.9	91.6	98.8	59.6	52.3	50.9	58.1
175.9	80°	68.3	45.1	39.2	21.8	33.4	39.2	24.7	27.6	29.1	34.9
88.7	82.5°	18.9	7.3	1.5	0.0	0.0	11.6	5.8	11.6	14.5	21.8
7.3	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.3	13.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
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: P952945
 CATALOG NUMBER: GALN-SB6C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2648.0	2.5°	2709.1	2767.2	2860.2	2956.1	3050.6	3146.5	3239.5	3273.0
2342.8	5°	2457.6	2591.3	2775.9	2973.6	3177.1	3383.4	3572.4	3658.1
2027.4	7.5°	2177.1	2369.0	2646.6	2956.1	3280.2	3604.3	3902.3	4040.3
1715.0	10°	1877.7	2120.5	2437.3	2855.9	3320.9	3768.6	4178.4	4357.2
1440.3	12.5°	1592.9	1847.2	2197.5	2698.9	3289.0	3863.0	4355.7	4566.5
1247.0	15°	1354.5	1579.8	1957.7	2512.9	3185.8	3868.9	4440.0	4671.1
1139.4	17.5°	1175.8	1322.6	1713.5	2306.5	3050.6	3815.1	4469.1	4716.2
1081.3	20°	1087.1	1127.8	1396.7	2042.0	2924.2	3764.2	4498.2	4758.3
1034.8	22.5°	1034.8	1045.0	1142.3	1700.4	2773.0	3748.2	4549.0	4816.4
992.6	25°	992.6	995.6	1021.7	1347.3	2541.9	3738.0	4627.5	4896.4
949.0	27.5°	950.5	950.5	965.0	1085.7	2228.0	3694.4	4729.2	4992.3
905.4	30°	908.4	908.4	918.5	960.7	1860.3	3608.7	4851.3	5117.3
861.8	32.5°	864.8	864.8	873.5	904.0	1485.3	3501.2	4963.2	5243.7
816.8	35°	821.2	818.2	829.9	861.8	1181.6	3364.5	5075.1	5380.3
771.7	37.5°	774.6	773.2	784.8	821.2	1020.3	3206.1	5159.4	5566.4
726.7	40°	725.2	725.2	738.3	777.5	973.8	3007.0	5293.1	5833.8
680.2	42.5°	680.2	677.3	691.8	739.8	938.9	2816.6	5533.0	6223.3
638.0	45°	636.6	630.8	643.8	703.4	877.8	2749.8	5980.6	6798.8
597.3	47.5°	595.9	581.3	593.0	659.8	822.6	2999.7	6713.1	7596.7
561.0	50°	562.5	534.8	545.0	616.2	780.5	3541.8	7663.6	8656.2
527.6	52.5°	527.6	491.2	497.1	562.5	742.7	4057.8	8694.0	10054.4
494.1	55°	491.2	450.5	453.4	508.7	688.9	4134.8	9699.7	11961.2
456.4	57.5°	450.5	412.8	412.8	459.3	649.7	3584.0	10472.9	14327.3
409.8	60°	405.5	380.8	373.5	420.0	684.5	2528.9	10563.0	15853.3
350.3	62.5°	356.1	343.0	332.8	382.2	710.7	1498.4	9837.8	15484.1
276.1	65°	299.4	296.5	289.2	420.0	598.8	885.1	8445.5	14352.0
235.4	67.5°	251.4	247.1	247.1	440.4	454.9	556.6	6598.3	12794.0
200.6	70°	216.6	200.6	200.6	332.8	276.1	385.1	4607.2	11112.4
165.7	72.5°	181.7	164.2	152.6	266.0	206.4	282.0	2879.1	9516.6
126.4	75°	145.3	132.3	117.7	175.9	154.1	213.6	1672.8	7884.5
79.9	77.5°	104.6	98.8	82.8	129.3	111.9	154.1	995.6	6083.8
49.4	80°	53.8	55.2	52.3	74.1	75.6	104.6	566.8	4163.9
32.0	82.5°	32.0	24.7	27.6	36.3	43.6	59.6	213.6	2447.5
23.3	85°	20.3	13.1	13.1	17.4	21.8	23.3	65.4	992.6
11.6	87.5°	10.2	4.4	5.8	8.7	7.3	5.8	2.9	250.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)