

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: P954373

Luminaire Tested: **GALN-SB7C-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954373
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-SB7C-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 24742 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

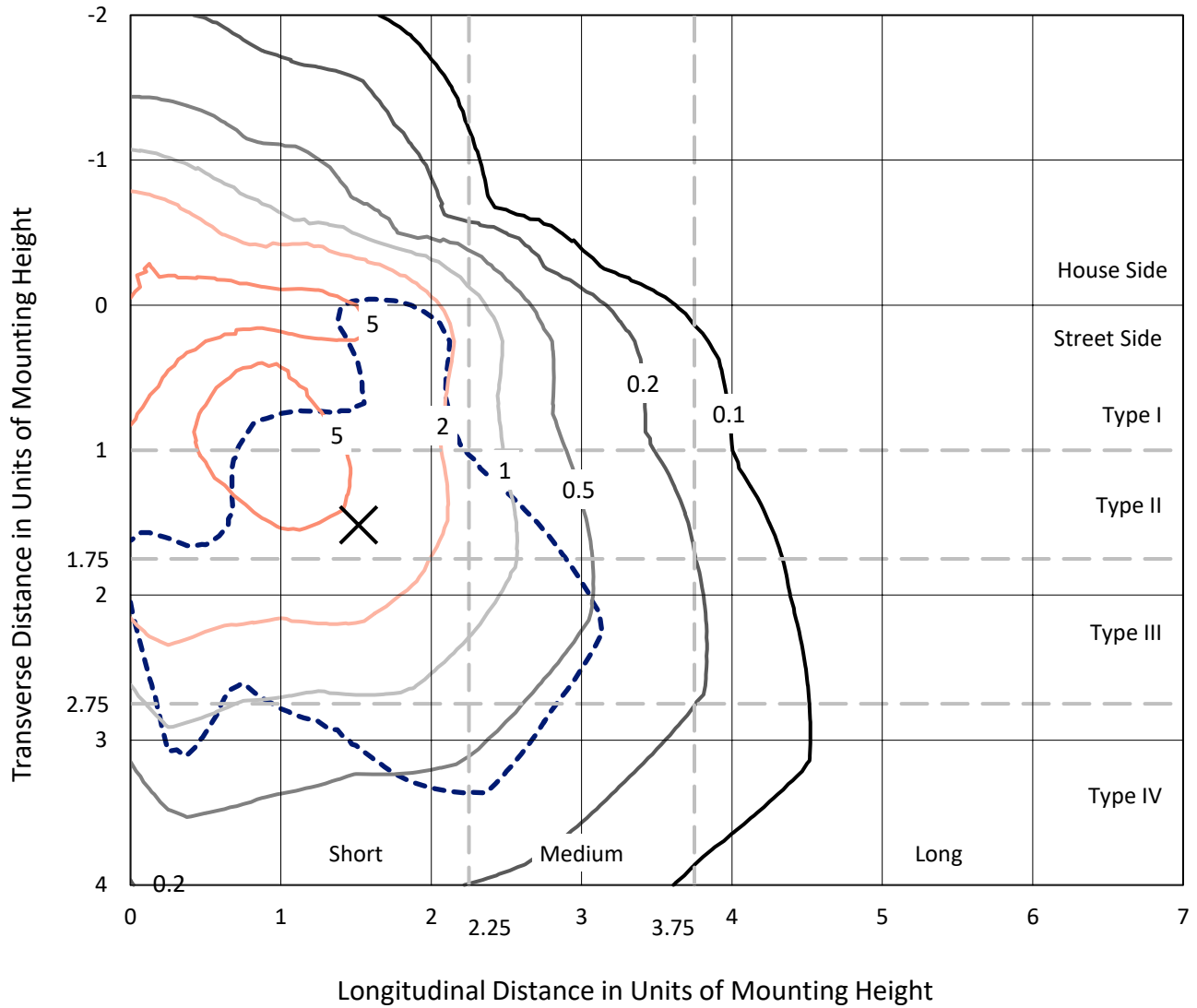
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954373
 CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

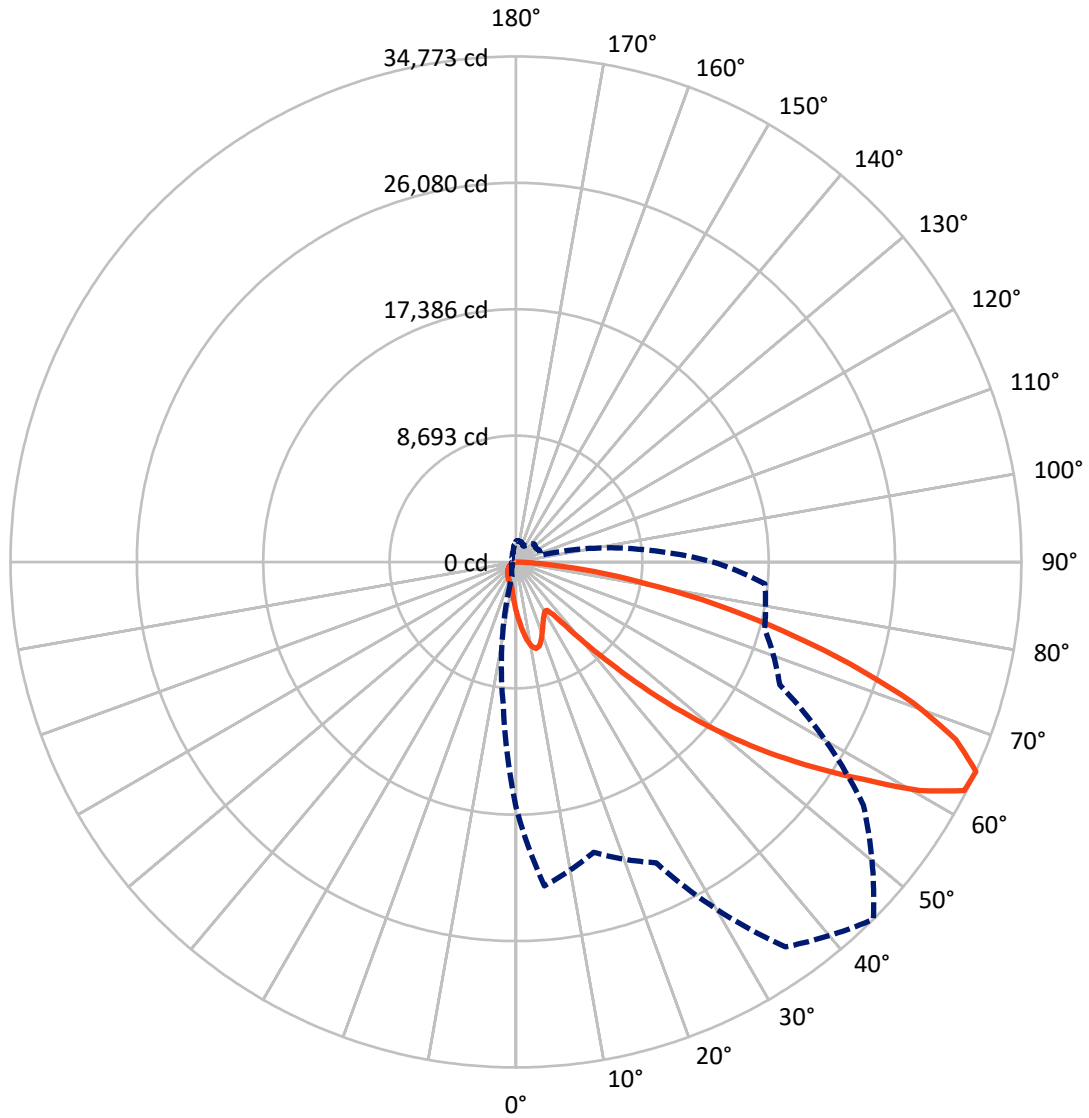
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - N/A

REPORT NUMBER: P954373
CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P954373
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4917.9	0.0	4917.9
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	19824.1	0.0	19824.1
	% Fixture	80.1	0.0	80.1
Total	Lumens	24742.0	0.0	24742.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	1.4
10°-20°	1011.1	4.1
20°-30°	1489.6	6.0
30°-40°	1913.7	7.7
40°-50°	3095.0	12.5
50°-60°	5427.5	21.9
60°-70°	6791.2	27.4
70°-80°	3968.5	16.0
80°-90°	708.0	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°	24742.0	100.0
0°-180°	24742.0	100.0



REPORT NUMBER: P954373

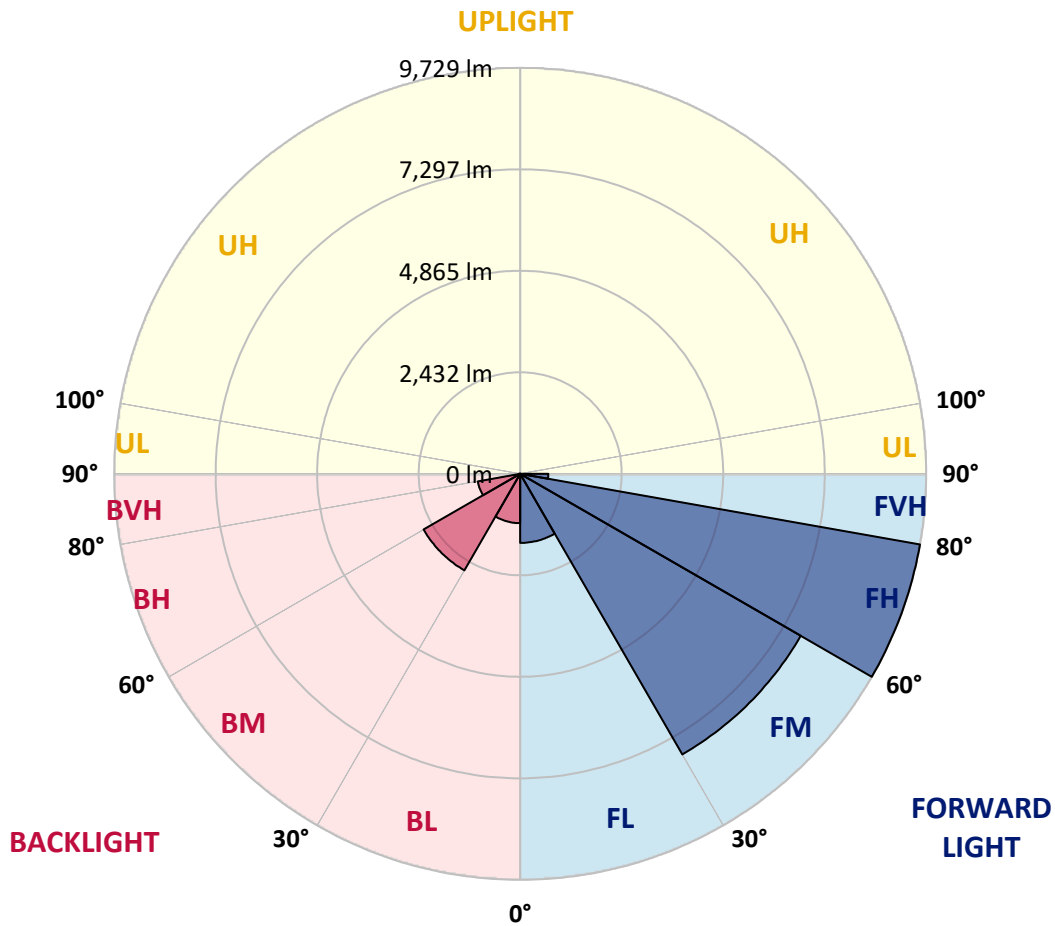
CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1655.5	6.7			
FM (30°-60°)	7764.3	31.4			
FH (60°-80°)	9729.3	39.3			G4/12000
FVH (80°-90°)	674.9	2.7			G4/750
BL (0°-30°)	1182.5	4.8	B3/2500		
BM (30°-60°)	2671.9	10.8	B3/5000		
BH (60°-80°)	1030.4	4.2	B3/2500		G3/2500
BVH (80°-90°)	33.2	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: P954373

CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
2.5°	3838.5	3867.4	3932.2	3966.3	4019.1	4022.5	4022.5	3976.5	3974.8	3881.1
5°	4290.1	4358.3	4511.7	4670.2	4704.3	4712.8	4695.8	4603.8	4535.6	4353.2
7.5°	4738.4	4869.7	5103.2	5314.5	5382.7	5382.7	5341.8	5191.8	5052.0	4787.8
10°	5110.0	5275.3	5592.4	5829.3	5907.7	5890.6	5807.1	5617.9	5425.3	5104.9
12.5°	5355.4	5541.2	5888.9	6079.8	6159.9	6115.6	6020.2	5836.1	5633.3	5295.8
15°	5478.2	5672.5	5974.2	6074.7	6052.6	6006.5	5994.6	5906.0	5752.6	5437.2
17.5°	5531.0	5711.7	5921.3	5858.2	5670.8	5635.0	5754.3	5866.8	5829.3	5560.0
20°	5580.4	5732.1	5795.2	5515.6	5188.4	5156.0	5384.4	5704.8	5868.5	5674.2
22.5°	5648.6	5742.3	5612.8	5154.3	4801.5	4726.5	4978.7	5461.1	5880.4	5819.0
25°	5742.3	5767.9	5411.7	4811.7	4457.2	4382.2	4617.4	5190.1	5860.0	5975.9
27.5°	5854.8	5802.0	5219.1	4525.4	4182.8	4112.9	4348.1	4929.3	5802.0	6132.7
30°	6001.4	5846.3	5028.2	4303.8	3986.7	3935.6	4162.3	4704.3	5730.4	6332.1
32.5°	6149.7	5865.1	4850.9	4174.2	3942.4	3961.2	4147.0	4583.3	5652.0	6523.0
35°	6309.9	5924.7	4764.0	4302.1	4312.3	4475.9	4552.6	4695.8	5640.1	6782.1
37.5°	6528.1	6057.7	4868.0	4937.8	5292.4	5631.6	5568.5	5246.3	5778.1	7169.0
40°	6841.7	6291.2	5321.3	6020.2	6748.0	7298.5	7058.2	6246.9	6200.8	7726.3
42.5°	7298.5	6662.8	6125.8	7342.8	8576.9	9483.6	8839.4	7537.1	6940.6	8522.3
45°	7973.5	7264.4	7099.1	8738.8	10831.9	12260.2	10920.5	8912.6	7976.9	9727.4
47.5°	8909.2	8149.0	8011.0	10209.7	13572.7	15420.3	13228.4	10187.6	9156.4	11370.5
50°	10151.8	9340.5	8875.2	11818.8	16577.6	18641.7	15534.5	11418.2	10508.0	13378.3
52.5°	11791.5	11002.3	9882.5	13351.1	19667.8	21795.0	17850.9	12498.8	12185.2	15708.4
55°	14027.7	13502.8	11259.7	14813.5	22756.3	24967.0	20076.9	13518.1	14401.0	18476.4
57.5°	16802.6	17177.6	13245.4	16509.5	25532.9	28236.2	22313.2	14943.0	17278.2	21571.7
60°	18592.3	22064.3	17048.1	19016.7	28687.9	31933.2	25377.8	17653.1	20301.9	22681.3
62.5°	18159.4	23618.8	21602.4	22217.7	31588.9	34621.1	28381.1	20375.2	20871.2	21046.7
65°	16831.6	22364.3	20673.5	22839.8	32323.5	34772.8	29183.9	20024.1	17704.3	17182.7
67.5°	15004.4	20876.3	18466.2	21189.9	30995.7	32652.4	27689.0	17712.8	13681.7	12894.3
70°	13032.3	19229.8	17017.4	19338.9	28464.6	28957.2	25147.7	15578.8	10063.2	8708.1
72.5°	11160.8	17515.1	16025.4	17441.8	25088.0	24068.8	21839.3	13692.0	7327.5	6281.0
75°	9246.7	14985.7	14612.4	15188.5	20647.9	18958.8	18145.7	11336.4	5750.9	4544.1
77.5°	7134.9	11709.7	12568.7	12163.1	14534.0	14082.3	14065.2	8518.9	4201.5	3032.2
80°	4883.3	8161.0	9819.4	8580.3	9432.5	9202.4	10593.3	5715.1	3047.6	1825.5
82.5°	2870.3	4968.5	6834.9	4153.8	5215.7	5353.7	6308.2	2780.0	1793.1	421.0
85°	1164.1	1961.8	2672.6	1626.1	2515.8	2122.1	2394.8	780.6	499.4	10.2
87.5°	293.2	627.2	439.8	182.4	291.5	267.6	211.4	95.5	20.5	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: P954373
 CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3426.0	0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
3870.8	2.5°	3804.4	3765.2	3668.0	3570.9	3492.4	3386.8	3316.9	3233.4	3153.3	3081.7
4314.0	5°	4206.6	4077.1	3899.8	3737.9	3572.6	3412.3	3253.8	3086.8	2933.4	2839.6
4689.0	7.5°	4533.9	4305.5	4070.3	3864.0	3664.6	3477.1	3267.5	3064.6	2824.3	2696.5
4975.3	10°	4777.6	4477.6	4169.1	3932.2	3731.1	3548.7	3371.4	3166.9	2877.1	2716.9
5149.2	12.5°	4937.8	4581.6	4220.3	3949.2	3724.3	3582.8	3504.4	3424.3	3136.2	2948.7
5277.0	15°	5048.6	4654.9	4256.0	3910.0	3633.9	3529.9	3608.4	3700.4	3516.3	3299.8
5410.0	17.5°	5169.6	4750.3	4271.4	3804.4	3458.4	3414.0	3616.9	3829.9	3821.4	3606.6
5536.1	20°	5297.5	4833.9	4261.2	3633.9	3245.3	3284.5	3543.6	3790.7	3894.7	3778.8
5681.0	22.5°	5428.7	4914.0	4222.0	3412.3	3045.9	3168.6	3427.7	3644.1	3766.9	3731.1
5858.2	25°	5594.1	5026.5	4164.0	3173.7	2880.5	3051.0	3293.0	3468.6	3553.8	3552.1
6049.1	27.5°	5791.8	5176.5	4133.3	2981.1	2762.9	2918.0	3132.8	3289.6	3349.3	3349.3
6286.1	30°	6021.9	5353.7	4099.2	2855.0	2694.8	2780.0	2947.0	3100.4	3160.1	3160.1
6545.1	32.5°	6277.5	5524.2	4017.4	2778.3	2643.6	2645.3	2751.0	2890.8	2962.4	2972.6
6869.0	35°	6584.3	5706.5	3838.5	2716.9	2584.0	2514.1	2565.2	2681.1	2766.3	2788.5
7330.9	37.5°	6986.6	5929.8	3582.8	2626.6	2491.9	2376.0	2388.0	2476.6	2570.3	2604.4
7968.4	40°	7526.9	6192.3	3316.9	2497.0	2362.4	2224.3	2219.2	2284.0	2376.0	2413.5
8830.8	42.5°	8241.1	6507.6	3062.9	2372.6	2205.6	2064.1	2055.6	2106.7	2186.8	2226.0
9969.4	45°	9154.7	6894.6	2844.8	2275.5	2052.2	1912.4	1909.0	1951.6	2021.5	2062.4
11426.7	47.5°	10424.5	7281.5	2696.5	2224.3	1931.2	1788.0	1794.8	1832.3	1895.4	1924.3
13313.6	50°	12079.5	7399.1	2621.5	2224.3	1866.4	1677.2	1711.3	1742.0	1789.7	1806.7
15575.4	52.5°	13668.1	7010.5	2553.3	2238.0	1874.9	1583.4	1656.7	1678.9	1719.8	1726.6
17671.9	55°	14447.0	6027.0	2459.5	2241.4	1927.8	1503.3	1612.4	1653.3	1668.7	1667.0
18888.9	57.5°	14179.4	4873.1	2301.0	2227.7	1963.5	1452.2	1557.9	1636.3	1646.5	1631.2
18657.1	60°	13240.3	3587.9	2180.0	2127.2	1949.9	1436.9	1474.4	1598.8	1614.1	1593.7
16870.8	62.5°	11665.4	2490.2	2086.3	1905.6	1890.3	1431.8	1343.1	1517.0	1554.5	1525.5
13560.7	65°	9183.7	1759.0	1796.5	1670.4	1760.7	1404.5	1206.8	1418.1	1469.2	1424.9
9838.2	67.5°	6214.5	1269.8	1455.6	1513.6	1551.1	1343.1	1107.9	1305.6	1373.8	1315.8
6313.3	70°	3356.1	891.4	961.3	1274.9	1317.6	1237.4	1019.3	1191.4	1269.8	1206.8
4487.9	72.5°	1982.3	640.9	673.3	1024.4	1097.7	1089.2	920.4	1058.5	1153.9	1078.9
3097.0	75°	1092.6	432.9	480.7	743.1	891.4	840.3	790.9	896.5	993.7	920.4
1941.4	77.5°	489.2	259.1	334.1	487.5	700.5	576.1	611.9	698.8	789.2	712.5
1080.6	80°	189.2	144.9	221.6	265.9	509.6	318.7	393.7	514.7	579.5	518.2
235.2	82.5°	23.9	64.8	95.5	104.0	296.6	168.7	228.4	323.8	318.7	276.1
0.0	85°	0.0	11.9	13.6	6.8	127.8	61.4	75.0	105.7	98.9	75.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P954373
 CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3426.0	0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
3068.0	2.5°	2984.5	2923.2	2892.5	2866.9	2890.8	2904.4	2904.4	2962.4	2996.5	3010.1
2780.0	5°	2630.0	2515.8	2439.1	2393.1	2408.4	2425.5	2444.2	2517.5	2566.9	2599.3
2580.6	7.5°	2350.5	2176.6	2069.2	2013.0	2021.5	2033.4	2048.8	2120.4	2169.8	2212.4
2543.1	10°	2212.4	1967.0	1825.5	1757.3	1745.4	1738.6	1733.4	1776.1	1813.6	1847.6
2696.5	12.5°	2219.2	1876.6	1704.5	1620.9	1585.2	1544.2	1511.9	1518.7	1542.5	1585.2
2970.9	15°	2306.1	1847.6	1641.4	1537.4	1477.8	1430.0	1390.8	1382.3	1390.8	1397.7
3284.5	17.5°	2423.7	1844.2	1586.9	1457.3	1396.0	1356.8	1321.0	1309.0	1310.7	1319.3
3492.4	20°	2517.5	1834.0	1525.5	1380.6	1326.1	1292.0	1256.2	1244.3	1247.7	1249.4
3512.9	22.5°	2566.9	1818.7	1457.3	1303.9	1257.9	1223.8	1191.4	1189.7	1189.7	1199.9
3402.1	25°	2566.9	1786.3	1396.0	1230.6	1189.7	1159.0	1119.8	1126.7	1130.1	1143.7
3230.0	27.5°	2505.6	1724.9	1346.5	1167.6	1124.9	1094.3	1058.5	1067.0	1072.1	1087.4
3059.5	30°	2427.2	1651.6	1290.3	1107.9	1058.5	1036.3	1005.6	1009.0	1015.9	1032.9
2901.0	32.5°	2343.6	1564.7	1244.3	1048.2	998.8	981.8	947.7	952.8	959.6	978.4
2744.2	35°	2251.6	1462.4	1189.7	993.7	944.3	930.6	891.4	894.8	905.1	925.5
2575.4	37.5°	2154.4	1378.9	1135.2	940.9	889.7	876.1	835.2	838.6	850.5	874.4
2398.2	40°	2059.0	1297.1	1077.2	884.6	833.5	821.6	777.2	780.6	794.3	819.8
2219.2	42.5°	1955.0	1234.0	1002.2	826.7	772.1	760.2	719.3	724.4	739.7	765.3
2053.9	45°	1830.6	1193.1	918.7	772.1	710.8	698.8	661.3	671.6	688.6	714.2
1912.4	47.5°	1702.8	1176.1	848.8	714.2	647.7	637.5	606.8	623.8	642.6	663.0
1791.4	50°	1580.0	1153.9	777.2	659.6	593.2	582.9	562.5	584.6	603.4	622.1
1704.5	52.5°	1440.3	1106.2	712.5	611.9	547.1	543.7	533.5	554.0	571.0	588.0
1629.5	55°	1295.4	1029.5	656.2	569.3	507.9	511.3	506.2	523.3	536.9	552.2
1561.3	57.5°	1169.3	932.3	611.9	523.3	473.8	484.1	477.3	485.8	494.3	513.0
1479.5	60°	1041.4	816.4	562.5	468.7	439.8	451.7	432.9	431.2	434.6	439.8
1358.5	62.5°	869.3	695.4	501.1	421.0	402.3	407.4	371.6	344.3	344.3	349.4
1189.7	65°	698.8	582.9	432.9	366.5	351.1	347.7	296.6	259.1	255.7	271.0
993.7	67.5°	574.4	484.1	364.8	305.1	294.9	298.3	260.8	223.3	219.9	236.9
809.6	70°	475.5	390.3	291.5	235.2	245.4	260.8	223.3	187.5	182.4	197.7
657.9	72.5°	378.4	305.1	223.3	173.9	202.8	221.6	182.4	148.3	144.9	158.5
507.9	75°	277.8	218.2	151.7	126.1	156.8	173.9	132.9	105.7	100.6	112.5
339.2	77.5°	172.2	122.7	95.5	75.0	107.4	115.9	69.9	61.4	59.7	68.2
206.2	80°	80.1	52.8	46.0	25.6	39.2	46.0	29.0	32.4	34.1	40.9
104.0	82.5°	22.2	8.5	1.7	0.0	0.0	13.6	6.8	13.6	17.0	25.6
8.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	8.5	15.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
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: P954373
 CATALOG NUMBER: GALN-SB7C-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3426.0	0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
3105.5	2.5°	3177.1	3245.3	3354.4	3466.9	3577.7	3690.2	3799.3	3838.5
2747.6	5°	2882.3	3039.1	3255.5	3487.3	3726.0	3968.0	4189.6	4290.1
2377.7	7.5°	2553.3	2778.3	3103.8	3466.9	3847.0	4227.1	4576.5	4738.4
2011.3	10°	2202.2	2486.8	2858.4	3349.3	3894.7	4419.7	4900.3	5110.0
1689.1	12.5°	1868.1	2166.4	2577.2	3165.2	3857.2	4530.5	5108.3	5355.4
1462.4	15°	1588.6	1852.8	2295.9	2947.0	3736.2	4537.3	5207.1	5478.2
1336.3	17.5°	1378.9	1551.1	2009.6	2705.0	3577.7	4474.2	5241.2	5531.0
1268.1	20°	1274.9	1322.7	1638.0	2394.8	3429.4	4414.6	5275.3	5580.4
1213.6	22.5°	1213.6	1225.5	1339.7	1994.2	3252.1	4395.8	5335.0	5648.6
1164.1	25°	1164.1	1167.6	1198.2	1580.0	2981.1	4383.9	5427.0	5742.3
1113.0	27.5°	1114.7	1114.7	1131.8	1273.2	2612.9	4332.8	5546.3	5854.8
1061.9	30°	1065.3	1065.3	1077.2	1126.7	2181.7	4232.2	5689.5	6001.4
1010.7	32.5°	1014.2	1014.2	1024.4	1060.2	1742.0	4106.1	5820.7	6149.7
957.9	35°	963.0	959.6	973.2	1010.7	1385.7	3945.8	5952.0	6309.9
905.1	37.5°	908.5	906.8	920.4	963.0	1196.5	3760.1	6050.9	6528.1
852.2	40°	850.5	850.5	865.9	911.9	1142.0	3526.5	6207.7	6841.7
797.7	42.5°	797.7	794.3	811.3	867.6	1101.1	3303.3	6488.9	7298.5
748.3	45°	746.6	739.7	755.1	825.0	1029.5	3224.8	7013.9	7973.5
700.5	47.5°	698.8	681.8	695.4	773.8	964.7	3518.0	7872.9	8909.2
657.9	50°	659.6	627.2	639.2	722.7	915.3	4153.8	8987.6	10151.8
618.7	52.5°	618.7	576.1	582.9	659.6	871.0	4758.9	10196.1	11791.5
579.5	55°	576.1	528.4	531.8	596.6	807.9	4849.2	11375.6	14027.7
535.2	57.5°	528.4	484.1	484.1	538.6	761.9	4203.2	12282.4	16802.6
480.7	60°	475.5	446.6	438.0	492.6	802.8	2965.8	12388.1	18592.3
410.8	62.5°	417.6	402.3	390.3	448.3	833.5	1757.3	11537.5	18159.4
323.8	65°	351.1	347.7	339.2	492.6	702.2	1038.0	9904.6	16831.6
276.1	67.5°	294.9	289.8	289.8	516.5	533.5	652.8	7738.3	15004.4
235.2	70°	254.0	235.2	235.2	390.3	323.8	451.7	5403.2	13032.3
194.3	72.5°	213.1	192.6	179.0	311.9	242.0	330.7	3376.5	11160.8
148.3	75°	170.4	155.1	138.1	206.2	180.7	250.6	1961.8	9246.7
93.7	77.5°	122.7	115.9	97.2	151.7	131.2	180.7	1167.6	7134.9
58.0	80°	63.1	64.8	61.4	86.9	88.6	122.7	664.7	4883.3
37.5	82.5°	37.5	29.0	32.4	42.6	51.1	69.9	250.6	2870.3
27.3	85°	23.9	15.3	15.3	20.5	25.6	27.3	76.7	1164.1
13.6	87.5°	11.9	5.1	6.8	10.2	8.5	6.8	3.4	293.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)