

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: P957588

Luminaire Tested: **GALN-SB9D-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957588
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-SB9D-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA 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: 43058 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

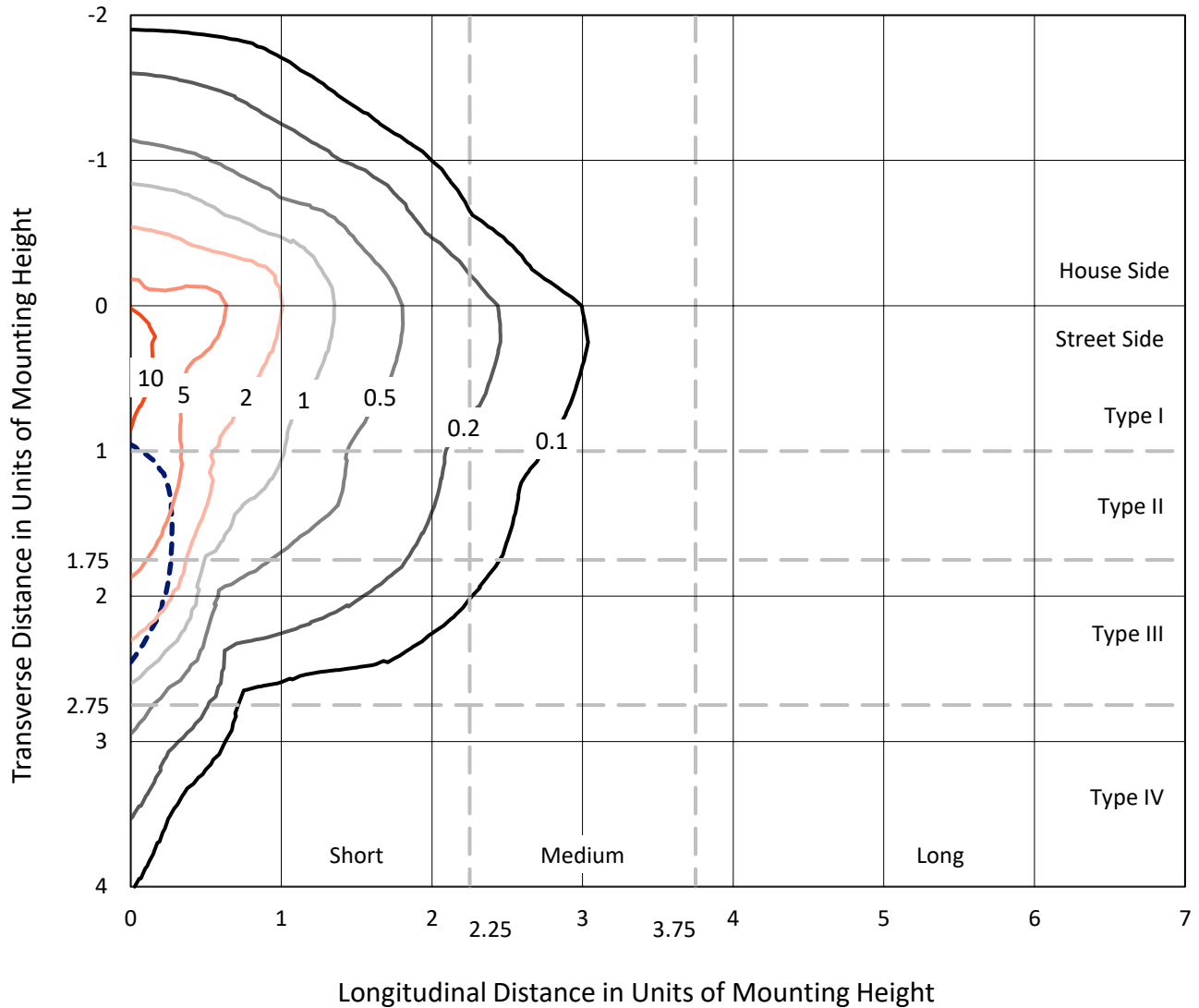
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957588
 CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

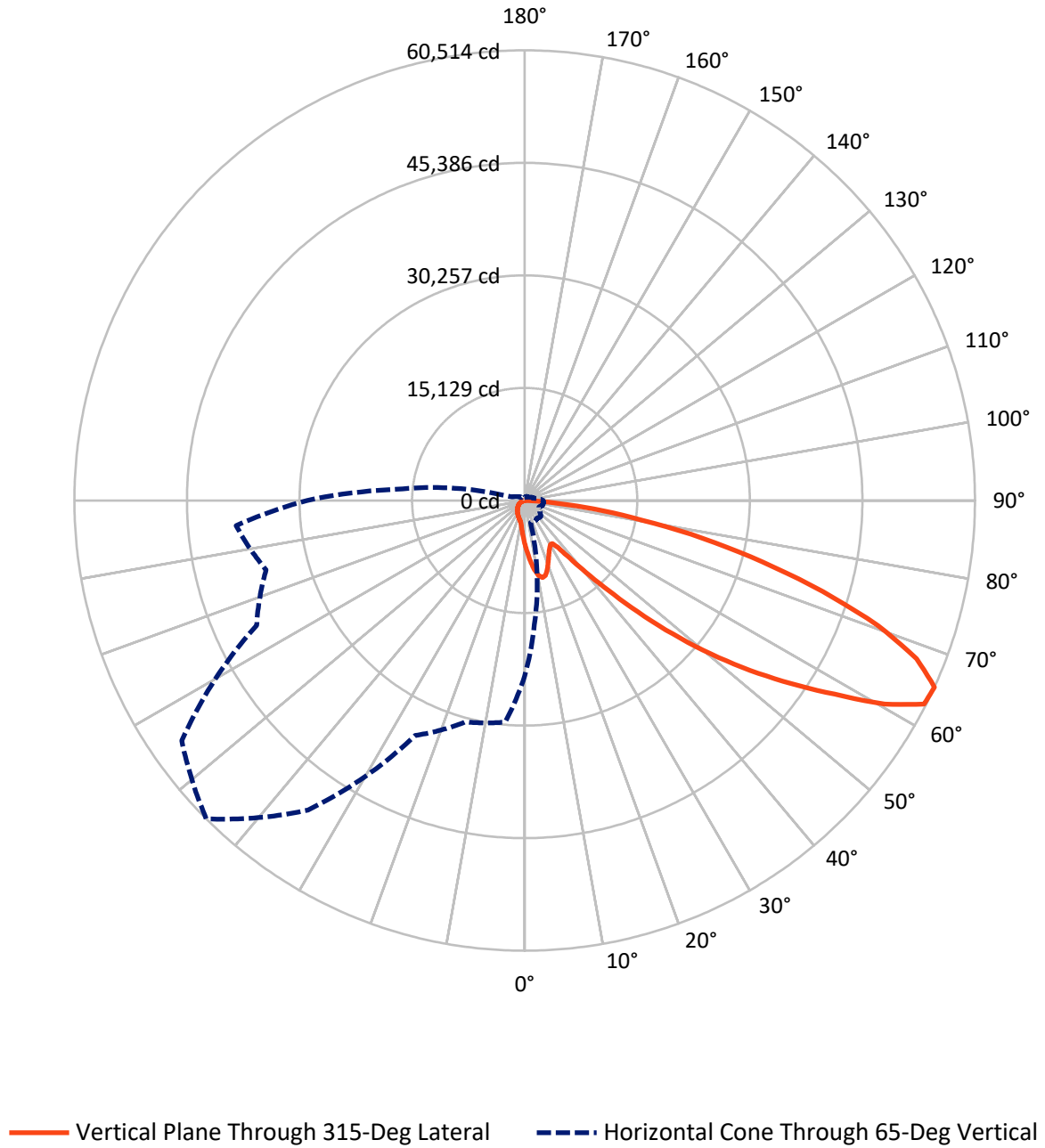
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P957588
CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P957588
 CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6030.0	0.0	6030.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	37028.0	0.0	37028.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	43058.0	0.0	43058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.0	1.4
10°-20°	1759.6	4.1
20°-30°	2592.3	6.0
30°-40°	3330.4	7.7
40°-50°	5386.3	12.5
50°-60°	9445.3	21.9
60°-70°	11818.7	27.4
70°-80°	6906.3	16.0
80°-90°	1232.2	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°	43058.0	100.0
0°-180°	43058.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957588

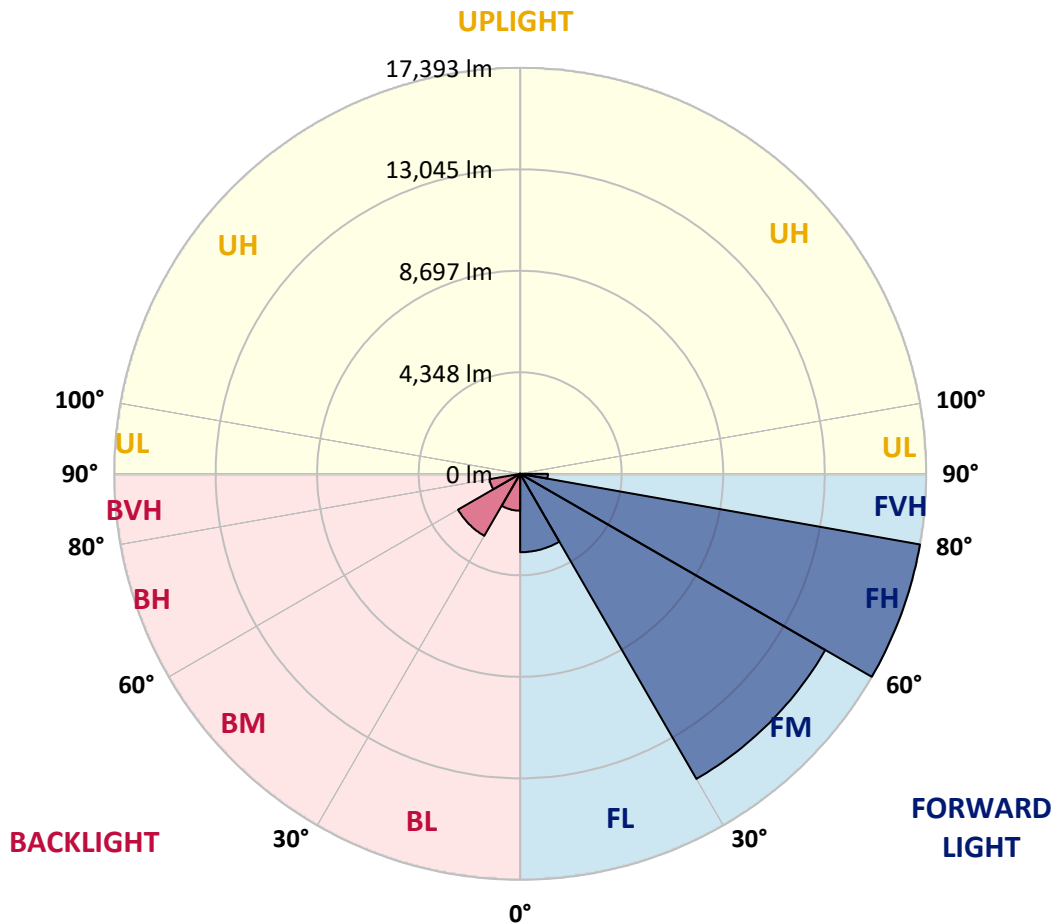
CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3358.4	7.8			
FM (30°-60°)	15091.4	35.0			
FH (60°-80°)	17393.5	40.4			G5
FVH (80°-90°)	1184.8	2.8			G5
BL (0°-30°)	1580.6	3.7	B3/2500		
BM (30°-60°)	3070.6	7.1	B3/5000		
BH (60°-80°)	1331.5	3.1	B3/2500		G3/2500
BVH (80°-90°)	47.3	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-G5

Type IV Short



REPORT NUMBER: P957588

CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2
2.5°	6736.3	6620.7	6552.4	6383.4	6214.3	6077.8	5893.9	5772.3	5627.0	5487.6
5°	7507.6	7320.7	7095.3	6786.8	6505.0	6217.3	5938.4	5662.6	5371.9	5104.9
7.5°	8160.1	7890.2	7492.7	7083.4	6724.5	6377.4	6051.1	5686.3	5333.3	4915.1
10°	8658.5	8314.4	7792.3	7255.4	6843.1	6493.1	6175.7	5867.2	5511.3	5007.0
12.5°	8961.0	8593.2	7973.3	7344.4	6872.8	6481.2	6235.0	6098.6	5959.2	5457.9
15°	9183.5	8786.0	8100.8	7406.7	6804.6	6324.0	6143.1	6279.5	6439.7	6119.4
17.5°	9414.9	8996.6	8266.9	7433.4	6620.7	6018.5	5941.4	6294.4	6665.2	6650.3
20°	9634.4	9219.1	8412.3	7415.6	6324.0	5647.7	5716.0	6166.8	6596.9	6777.9
22.5°	9886.5	9447.5	8551.7	7347.4	5938.4	5300.7	5514.3	5965.1	6341.8	6555.4
25°	10195.0	9735.2	8747.5	7246.5	5523.2	5013.0	5309.6	5730.8	6036.3	6184.6
27.5°	10527.2	10079.3	9008.5	7193.1	5188.0	4808.3	5078.2	5452.0	5724.9	5828.7
30°	10939.5	10479.7	9317.0	7133.8	4968.5	4689.6	4837.9	5128.6	5395.6	5499.4
32.5°	11390.4	10924.7	9613.6	6991.4	4835.0	4600.6	4603.6	4787.5	5030.8	5155.3
35°	11954.0	11458.6	9931.0	6680.0	4728.2	4496.8	4375.2	4464.2	4665.9	4814.2
37.5°	12757.8	12158.6	10319.6	6235.0	4571.0	4336.7	4134.9	4155.7	4310.0	4473.1
40°	13867.2	13098.9	10776.4	5772.3	4345.6	4111.2	3871.0	3862.1	3974.8	4134.9
42.5°	15368.1	14341.8	11325.1	5330.3	4129.0	3838.3	3592.1	3577.3	3666.3	3805.7
45°	17349.6	15931.7	11998.5	4950.7	3959.9	3571.4	3328.1	3322.2	3396.4	3518.0
47.5°	19885.7	18141.6	12671.8	4692.6	3871.0	3360.8	3111.6	3123.5	3188.7	3298.5
50°	23169.4	21021.8	12876.5	4562.1	3871.0	3248.0	2918.8	2978.1	3031.5	3114.6
52.5°	27105.6	23786.3	12200.2	4443.4	3894.7	3262.9	2755.6	2883.2	2921.8	2992.9
55°	30754.0	25141.9	10488.6	4280.3	3900.6	3354.8	2616.2	2806.1	2877.3	2904.0
57.5°	32871.9	24676.2	8480.5	4004.4	3876.9	3417.1	2527.2	2711.1	2847.6	2865.4
60°	32468.5	23041.8	6243.9	3793.8	3701.9	3393.4	2500.5	2565.8	2782.3	2809.0
62.5°	29359.9	20301.0	4333.7	3630.7	3316.3	3289.6	2491.6	2337.4	2640.0	2705.2
65°	23599.5	15982.1	3061.2	3126.4	2906.9	3064.1	2444.2	2100.1	2467.9	2556.9
67.5°	17121.2	10814.9	2209.9	2533.2	2634.0	2699.3	2337.4	1928.1	2272.1	2390.8
70°	10987.0	5840.5	1551.3	1673.0	2218.8	2292.9	2153.5	1773.8	2073.4	2209.9
72.5°	7810.1	3449.7	1115.3	1171.7	1782.7	1910.3	1895.4	1601.8	1842.0	2008.1
75°	5389.7	1901.4	753.4	836.5	1293.3	1551.3	1462.4	1376.3	1560.2	1729.3
77.5°	3378.6	851.3	450.9	581.4	848.3	1219.1	1002.6	1064.9	1216.2	1373.4
80°	1880.6	329.3	252.1	385.6	462.7	886.9	554.7	685.2	895.8	1008.5
82.5°	409.3	41.5	112.7	166.1	180.9	516.1	293.7	397.5	563.6	554.7
85°	0.0	0.0	20.8	23.7	11.9	222.5	106.8	130.5	183.9	172.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957588
 CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5962.2	0°	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2
5363.0	2.5°	5339.2	5193.9	5087.1	5033.7	4989.2	5030.8	5054.5	5054.5	5155.3	5214.7
4941.8	5°	4837.9	4576.9	4378.2	4244.7	4164.6	4191.3	4221.0	4253.6	4381.1	4467.2
4692.6	7.5°	4490.9	4090.5	3787.9	3601.0	3503.1	3518.0	3538.7	3565.4	3690.0	3776.0
4728.2	10°	4425.6	3850.2	3423.0	3176.8	3058.2	3037.4	3025.6	3016.7	3090.8	3156.1
5131.6	12.5°	4692.6	3862.1	3265.8	2966.2	2820.9	2758.6	2687.4	2631.1	2642.9	2684.5
5742.7	15°	5170.2	4013.3	3215.4	2856.5	2675.6	2571.7	2488.7	2420.5	2405.6	2420.5
6276.6	17.5°	5716.0	4218.0	3209.5	2761.6	2536.1	2429.4	2361.1	2298.8	2278.1	2281.0
6576.2	20°	6077.8	4381.1	3191.7	2654.8	2402.7	2307.7	2248.4	2186.1	2165.4	2171.3
6493.1	22.5°	6113.4	4467.2	3165.0	2536.1	2269.2	2189.1	2129.8	2073.4	2070.4	2070.4
6181.7	25°	5920.6	4467.2	3108.6	2429.4	2141.6	2070.4	2017.0	1948.8	1960.7	1966.6
5828.7	27.5°	5621.0	4360.4	3001.8	2343.3	2031.9	1957.7	1904.3	1842.0	1856.9	1865.8
5499.4	30°	5324.4	4223.9	2874.3	2245.4	1928.1	1842.0	1803.5	1750.1	1756.0	1767.9
5173.1	32.5°	5048.6	4078.6	2723.0	2165.4	1824.2	1738.2	1708.6	1649.2	1658.1	1670.0
4852.8	35°	4775.7	3918.4	2545.0	2070.4	1729.3	1643.3	1619.6	1551.3	1557.3	1575.1
4532.4	37.5°	4482.0	3749.3	2399.7	1975.5	1637.4	1548.4	1524.7	1453.5	1459.4	1480.2
4200.2	40°	4173.5	3583.2	2257.3	1874.7	1539.5	1450.5	1429.7	1352.6	1358.5	1382.3
3873.9	42.5°	3862.1	3402.3	2147.6	1744.2	1438.6	1343.7	1322.9	1251.8	1260.7	1287.4
3589.2	45°	3574.3	3185.7	2076.4	1598.8	1343.7	1236.9	1216.2	1150.9	1168.7	1198.4
3348.9	47.5°	3328.1	2963.3	2046.7	1477.2	1242.9	1127.2	1109.4	1056.0	1085.6	1118.3
3144.2	50°	3117.5	2749.7	2008.1	1352.6	1147.9	1032.3	1014.5	978.9	1017.4	1050.1
3004.8	52.5°	2966.2	2506.5	1925.1	1239.9	1064.9	952.2	946.2	928.4	964.0	993.7
2901.0	55°	2835.7	2254.3	1791.6	1142.0	990.7	883.9	889.9	881.0	910.6	934.4
2838.7	57.5°	2717.1	2034.8	1622.5	1064.9	910.6	824.6	842.4	830.5	845.4	860.2
2773.4	60°	2574.7	1812.4	1420.8	978.9	815.7	765.3	786.1	753.4	750.5	756.4
2654.8	62.5°	2364.1	1512.8	1210.2	872.1	732.7	700.0	708.9	646.6	599.2	599.2
2479.8	65°	2070.4	1216.2	1014.5	753.4	637.7	611.0	605.1	516.1	450.9	444.9
2289.9	67.5°	1729.3	999.6	842.4	634.8	531.0	513.2	519.1	453.8	388.6	382.6
2100.1	70°	1409.0	827.6	679.3	507.2	409.3	427.1	453.8	388.6	326.3	317.4
1877.6	72.5°	1145.0	658.5	531.0	388.6	302.6	353.0	385.6	317.4	258.1	252.1
1601.8	75°	883.9	483.5	379.7	264.0	219.5	272.9	302.6	231.4	183.9	175.0
1239.9	77.5°	590.3	299.6	213.6	166.1	130.5	186.9	201.7	121.6	106.8	103.8
901.7	80°	358.9	139.4	92.0	80.1	44.5	68.2	80.1	50.4	56.4	59.3
480.5	82.5°	180.9	38.6	14.8	3.0	0.0	0.0	23.7	11.9	23.7	29.7
130.5	85°	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	14.8
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: P957588
 CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
5962.2	0°	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2
5238.4	2.5°	5404.5	5529.1	5647.7	5837.6	6033.3	6226.2	6421.9	6611.8	6680.0	6730.4
4523.5	5°	4781.6	5015.9	5288.8	5665.5	6068.9	6484.2	6905.4	7291.0	7466.0	7584.7
3850.2	7.5°	4137.9	4443.4	4835.0	5401.5	6033.3	6694.8	7356.3	7964.4	8246.2	8474.6
3215.4	10°	3500.2	3832.4	4327.8	4974.4	5828.7	6777.9	7691.5	8528.0	8892.8	9180.5
2758.6	12.5°	2939.6	3251.0	3770.1	4485.0	5508.3	6712.6	7884.3	8889.8	9319.9	9643.3
2432.3	15°	2545.0	2764.5	3224.3	3995.5	5128.6	6502.0	7896.1	9061.9	9533.5	9871.7
2295.9	17.5°	2325.5	2399.7	2699.3	3497.2	4707.4	6226.2	7786.4	9121.2	9625.5	9939.9
2174.3	20°	2206.9	2218.8	2301.8	2850.6	4167.6	5968.1	7682.6	9180.5	9711.5	9975.5
2088.2	22.5°	2112.0	2112.0	2132.7	2331.5	3470.5	5659.6	7649.9	9284.4	9830.1	9993.3
1990.4	25°	2025.9	2025.9	2031.9	2085.3	2749.7	5188.0	7629.2	9444.5	9993.3	10037.8
1892.5	27.5°	1937.0	1939.9	1939.9	1969.6	2215.8	4547.3	7540.2	9652.2	10189.1	10097.1
1797.5	30°	1848.0	1853.9	1853.9	1874.7	1960.7	3796.8	7365.2	9901.3	10444.2	10174.2
1702.6	32.5°	1759.0	1764.9	1764.9	1782.7	1845.0	3031.5	7145.7	10129.7	10702.2	10206.9
1610.7	35°	1667.0	1675.9	1670.0	1693.7	1759.0	2411.6	6866.9	10358.1	10981.0	10310.7
1521.7	37.5°	1575.1	1581.0	1578.0	1601.8	1675.9	2082.3	6543.5	10530.2	11360.7	10542.0
1426.8	40°	1483.1	1480.2	1480.2	1506.9	1586.9	1987.4	6137.2	10803.1	11906.5	10948.4
1331.8	42.5°	1388.2	1388.2	1382.3	1411.9	1509.8	1916.2	5748.6	11292.5	12701.5	11595.1
1242.9	45°	1302.2	1299.2	1287.4	1314.0	1435.7	1791.6	5612.1	12206.1	13876.1	12642.1
1153.9	47.5°	1219.1	1216.2	1186.5	1210.2	1346.7	1678.9	6122.3	13701.1	15504.6	14181.6
1082.7	50°	1145.0	1147.9	1091.6	1112.3	1257.7	1592.9	7228.7	15641.0	17667.0	16255.0
1023.4	52.5°	1076.7	1076.7	1002.6	1014.5	1147.9	1515.8	8281.8	17744.1	20520.5	19147.1
961.1	55°	1008.5	1002.6	919.5	925.5	1038.2	1406.0	8439.0	19796.7	24412.2	23498.6
892.8	57.5°	931.4	919.5	842.4	842.4	937.3	1325.9	7314.8	21374.8	29241.3	29893.8
765.3	60°	836.5	827.6	777.2	762.3	857.2	1397.1	5161.3	21558.7	32355.8	38398.1
608.1	62.5°	714.9	726.7	700.0	679.3	780.1	1450.5	3058.2	20078.5	31602.4	41103.3
471.6	65°	563.6	611.0	605.1	590.3	857.2	1222.1	1806.4	17236.9	29291.7	38920.1
412.3	67.5°	480.5	513.2	504.3	504.3	898.8	928.4	1136.1	13466.8	26111.9	36330.6
344.1	70°	409.3	442.0	409.3	409.3	679.3	563.6	786.1	9403.0	22679.9	33465.2
275.9	72.5°	338.2	370.8	335.2	311.5	542.8	421.2	575.5	5876.1	19423.0	30481.1
195.8	75°	258.1	296.6	269.9	240.3	358.9	314.4	436.0	3414.1	16091.9	26079.2
118.6	77.5°	163.1	213.6	201.7	169.1	264.0	228.4	314.4	2031.9	12416.7	20378.1
71.2	80°	100.9	109.8	112.7	106.8	151.3	154.2	213.6	1156.8	8498.3	14202.4
44.5	82.5°	65.3	65.3	50.4	56.4	74.2	89.0	121.6	436.0	4995.2	8646.6
26.7	85°	47.5	41.5	26.7	26.7	35.6	44.5	47.5	133.5	2025.9	3414.1
11.9	87.5°	23.7	20.8	8.9	11.9	17.8	14.8	11.9	5.9	510.2	1091.6
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: P957588
 CATALOG NUMBER: GALN-SB9D-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
5962.2	0°	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2	5962.2
6843.1	2.5°	6902.5	6994.4	7000.3	7000.3	6920.3	6917.3	6754.1	6736.3
7851.7	5°	8127.5	8186.8	8201.7	8172.0	8011.8	7893.2	7575.8	7507.6
8880.9	7.5°	9248.8	9367.4	9367.4	9296.2	9035.2	8792.0	8332.2	8160.1
9732.3	10°	10144.6	10281.0	10251.3	10106.0	9776.7	9441.6	8883.9	8658.5
10248.4	12.5°	10580.6	10720.0	10642.9	10476.8	10156.4	9803.4	9216.1	8961.0
10396.7	15°	10571.7	10533.1	10453.1	10432.3	10278.0	10011.1	9462.3	9183.5
10304.7	17.5°	10195.0	9868.7	9806.4	10014.0	10209.8	10144.6	9675.9	9414.9
10085.2	20°	9598.8	9029.3	8972.9	9370.4	9928.0	10212.8	9874.6	9634.4
9767.8	22.5°	8969.9	8355.9	8225.4	8664.4	9503.9	10233.6	10126.8	9886.5
9417.8	25°	8373.7	7756.7	7626.2	8035.6	9032.2	10198.0	10399.7	10195.0
9082.6	27.5°	7875.4	7279.2	7157.6	7566.9	8578.4	10097.1	10672.6	10527.2
8750.4	30°	7489.8	6938.1	6849.1	7243.6	8186.8	9972.5	11019.6	10939.5
8441.9	32.5°	7264.3	6860.9	6893.6	7216.9	7976.2	9836.1	11351.8	11390.4
8290.7	35°	7486.8	7504.6	7789.4	7922.8	8172.0	9815.3	11802.7	11954.0
8471.6	37.5°	8593.2	9210.2	9800.5	9690.7	9130.1	10055.6	12476.0	12757.8
9260.6	40°	10476.8	11743.4	12701.5	12283.2	10871.3	10791.2	13446.0	13867.2
10660.7	42.5°	12778.6	14926.2	16504.2	15383.0	13116.7	12078.6	14831.2	15368.1
12354.4	45°	15207.9	18850.5	21336.2	19004.7	15510.5	13882.0	16928.4	17349.6
13941.4	47.5°	17767.8	23620.2	26835.6	23021.0	17729.3	15934.7	19787.8	19885.7
15445.2	50°	20568.0	28849.7	32441.8	27034.4	19870.9	18286.9	23282.1	23169.4
17198.3	52.5°	23234.6	34227.5	37929.4	31065.5	21751.5	21205.7	27336.9	27105.6
19595.0	55°	25779.6	39602.4	43449.6	34939.4	23525.3	25061.8	32154.1	30754.0
23050.7	57.5°	28731.1	44434.4	49138.8	38831.1	26005.1	30068.8	37540.8	32871.9
29668.4	60°	33094.4	49924.9	55572.6	44164.4	30721.4	35331.0	39471.8	32468.5
37594.2	62.5°	38665.0	54973.4	60250.4	49391.0	35458.5	36321.7	36627.2	29359.9
35977.6	65°	39747.7	56251.9	60514.4	50788.1	34847.5	30810.4	29902.7	23599.5
32136.3	67.5°	36876.4	53941.2	56824.4	48186.7	30825.2	23810.1	22439.7	17121.2
29615.0	70°	33655.0	49536.3	50393.6	43764.0	27111.5	17512.7	15154.6	10987.0
27888.6	72.5°	30353.6	43660.2	41886.4	38006.5	23827.9	12751.9	10930.6	7810.1
25429.6	75°	26432.2	35933.1	32993.6	31578.7	19728.5	10008.1	7908.0	5389.7
21873.1	77.5°	21167.1	25293.2	24507.1	24477.5	14825.3	7311.8	5277.0	3378.6
17088.5	80°	14932.1	16415.2	16014.8	18435.2	9945.8	5303.6	3176.8	1880.6
11894.6	82.5°	7228.7	9076.7	9317.0	10978.1	4837.9	3120.5	732.7	409.3
4651.1	85°	2829.8	4378.2	3693.0	4167.6	1358.5	869.1	17.8	0.0
765.3	87.5°	317.4	507.2	465.7	367.8	166.1	35.6	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)