

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: P955255

Luminaire Tested: **GALN-SB8B-735-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955255
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-SB8B-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA 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: 34751 lumens
Efficiency: N/A
Efficacy: 118.7 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

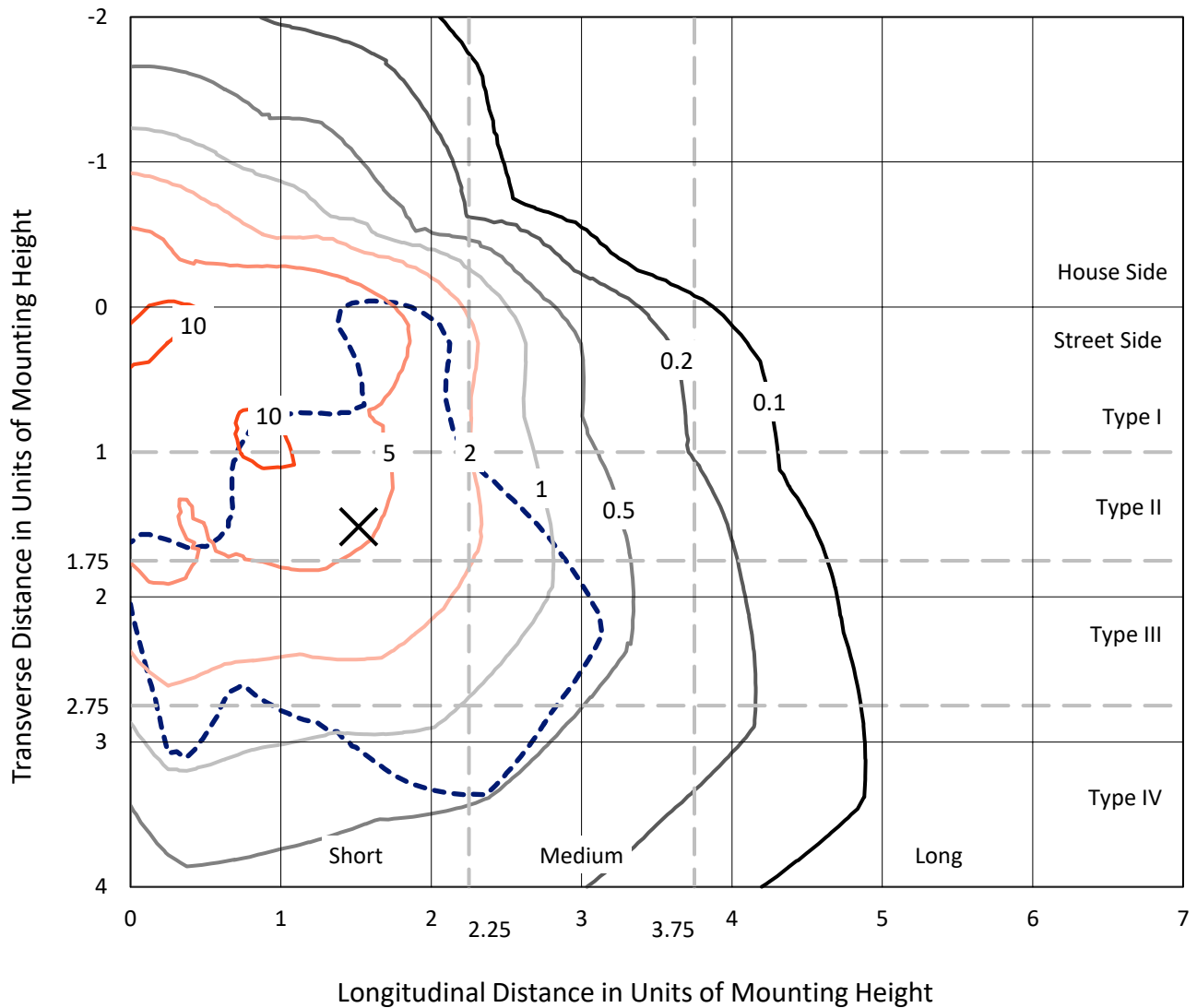
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

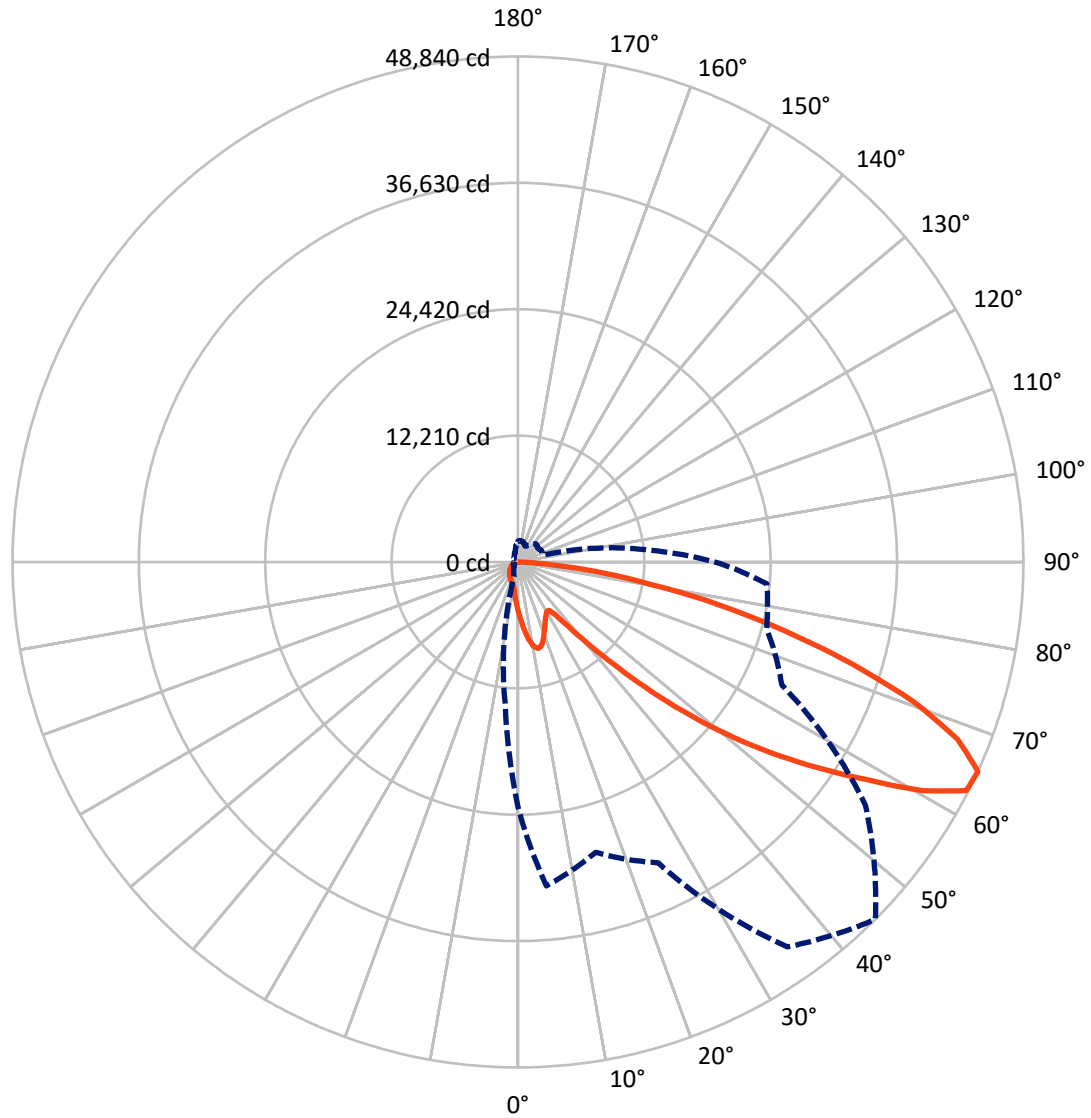
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P955255
CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6907.4	0.0	6907.4
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	27843.6	0.0	27843.6
	% Fixture	80.1	0.0	80.1
Total	Lumens	34751.0	0.0	34751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.8	1.4
10°-20°	1420.2	4.1
20°-30°	2092.2	6.0
30°-40°	2687.9	7.7
40°-50°	4347.1	12.5
50°-60°	7623.1	21.9
60°-70°	9538.5	27.4
70°-80°	5573.9	16.0
80°-90°	994.5	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°	34751.0	100.0
0°-180°	34751.0	100.0

Coefficient of Utilization



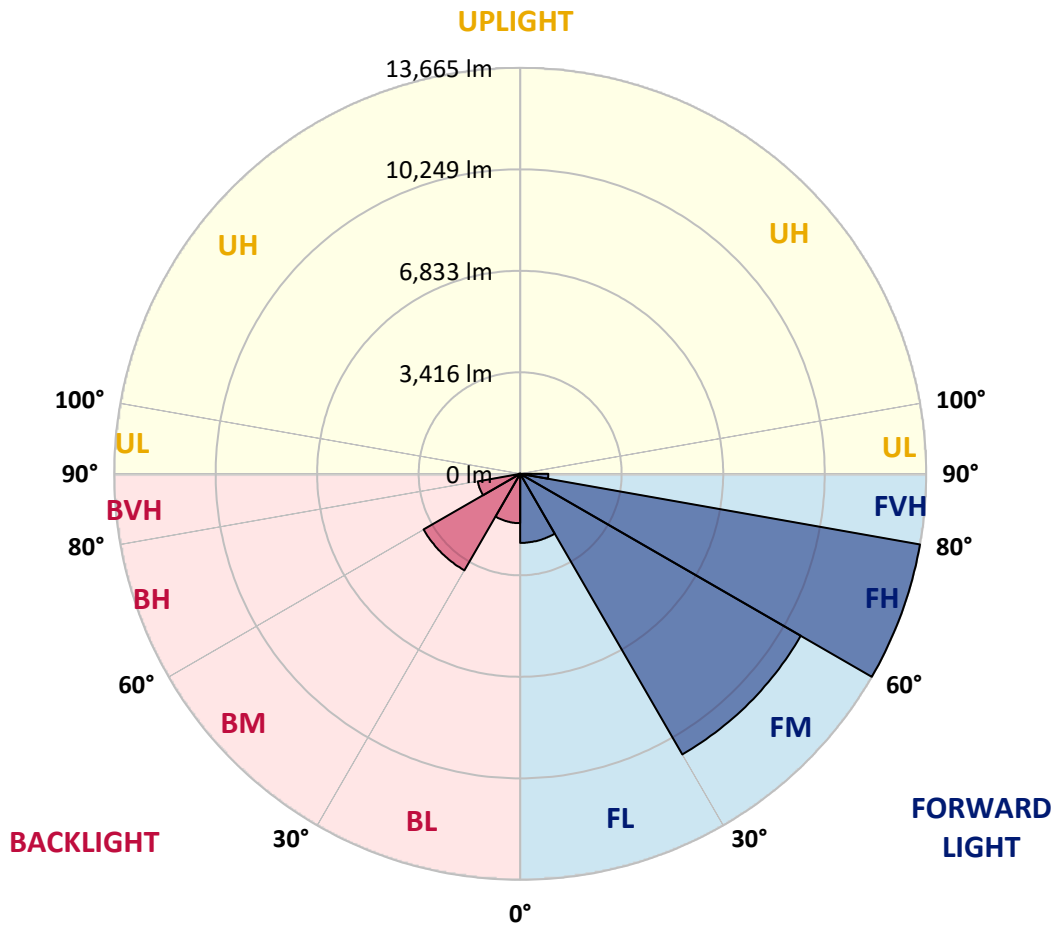
REPORT NUMBER: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2325.2	6.7			
FM (30°-60°)	10905.3	31.4			
FH (60°-80°)	13665.2	39.3			G5
FVH (80°-90°)	947.9	2.7			G5
BL (0°-30°)	1660.8	4.8	B3/2500		
BM (30°-60°)	3752.8	10.8	B3/5000		
BH (60°-80°)	1447.2	4.2	B3/2500		G3/2500
BVH (80°-90°)	46.6	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: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9
2.5°	5391.2	5431.9	5522.9	5570.8	5645.0	5649.8	5649.8	5585.2	5582.8	5451.1
5°	6025.6	6121.4	6336.9	6559.5	6607.4	6619.4	6595.4	6466.1	6370.4	6114.2
7.5°	6655.3	6839.6	7167.6	7464.4	7560.2	7560.2	7502.7	7292.1	7095.8	6724.7
10°	7177.2	7409.4	7854.7	8187.4	8297.5	8273.6	8156.3	7890.6	7620.0	7170.0
12.5°	7521.9	7782.8	8271.2	8539.3	8651.8	8589.6	8455.5	8197.0	7912.1	7438.1
15°	7694.3	7967.2	8390.9	8532.1	8501.0	8436.4	8419.6	8295.1	8079.7	7636.8
17.5°	7768.5	8022.2	8316.7	8228.1	7964.8	7914.5	8082.1	8240.1	8187.4	7809.2
20°	7837.9	8051.0	8139.5	7746.9	7287.3	7241.8	7562.6	8012.7	8242.5	7969.6
22.5°	7933.7	8065.3	7883.4	7239.4	6743.8	6638.5	6992.8	7670.3	8259.2	8173.1
25°	8065.3	8101.2	7600.9	6758.2	6260.3	6154.9	6485.3	7289.7	8230.5	8393.3
27.5°	8223.3	8149.1	7330.4	6356.0	5874.8	5776.7	6107.0	6923.4	8149.1	8613.5
30°	8429.2	8211.4	7062.2	6044.8	5599.5	5527.7	5846.1	6607.4	8048.6	8893.6
32.5°	8637.5	8237.7	6813.3	5862.9	5537.3	5563.6	5824.6	6437.4	7938.4	9161.8
35°	8862.5	8321.5	6691.2	6042.4	6056.8	6286.6	6394.3	6595.4	7921.7	9525.6
37.5°	9168.9	8508.2	6837.2	6935.4	7433.3	7909.7	7821.1	7368.7	8115.6	10069.1
40°	9609.4	8836.2	7474.0	8455.5	9477.8	10251.0	9913.5	8773.9	8709.3	10851.9
42.5°	10251.0	9358.1	8604.0	10313.3	12046.5	13320.1	12415.2	10586.2	9748.3	11969.9
45°	11199.0	10203.1	9970.9	12273.9	15213.7	17219.9	15338.2	12518.1	11203.8	13662.4
47.5°	12513.3	11445.6	11251.7	14339.9	19063.3	21658.3	18579.7	14308.8	12860.5	15970.2
50°	14258.6	13119.0	12465.5	16599.9	23283.9	26183.0	21818.7	16037.3	14758.9	18790.4
52.5°	16561.6	15453.1	13880.3	18752.1	27624.1	30611.8	25072.2	17555.1	17114.6	22062.9
55°	19702.5	18965.1	15814.6	20806.1	31962.0	35067.0	28198.7	18986.7	20226.7	25950.8
57.5°	23599.9	24126.5	18603.6	23188.1	35861.8	39658.7	31339.6	20988.0	24267.8	30298.2
60°	26113.5	30990.1	23944.6	26709.6	40293.1	44851.2	35644.0	24794.5	28514.7	31856.7
62.5°	25505.5	33173.4	30341.3	31205.5	44367.6	48626.5	39862.2	28617.6	29314.3	29560.9
65°	23640.6	31411.4	29036.6	32079.3	45399.5	48839.6	40989.7	28124.5	24866.3	24133.7
67.5°	21074.2	29321.5	25936.4	29762.0	43534.5	45861.5	38890.2	24878.2	19216.5	18110.5
70°	18304.4	27008.9	23901.5	27162.1	39979.5	40671.3	35320.8	21881.0	14134.1	12230.8
72.5°	15675.8	24600.5	22508.2	24497.6	35237.0	33805.4	30674.1	19230.8	10291.7	8821.8
75°	12987.3	21047.9	20523.6	21332.8	29000.7	26628.2	25486.3	15922.4	8077.3	6382.4
77.5°	10021.2	16446.6	17653.2	17083.4	20413.5	19779.1	19755.1	11965.1	5901.2	4258.9
80°	6858.8	11462.4	13791.7	12051.3	13248.3	12925.1	14878.6	8027.0	4280.4	2564.0
82.5°	4031.5	6978.5	9599.9	5834.1	7325.6	7519.5	8860.1	3904.6	2518.5	591.3
85°	1635.1	2755.5	3753.8	2283.9	3533.5	2980.5	3363.5	1096.4	701.4	14.4
87.5°	411.8	881.0	617.6	256.2	409.4	375.9	296.9	134.1	28.7	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: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4811.9	0°	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9
5436.7	2.5°	5343.4	5288.3	5151.8	5015.4	4905.3	4756.8	4658.7	4541.4	4428.9	4328.3
6059.2	5°	5908.3	5726.4	5477.4	5250.0	5017.8	4792.7	4570.1	4335.5	4120.0	3988.4
6585.8	7.5°	6368.0	6047.2	5716.8	5427.2	5147.1	4883.7	4589.3	4304.4	3966.8	3787.3
6988.0	10°	6710.3	6289.0	5855.7	5522.9	5240.4	4984.3	4735.3	4448.0	4041.0	3816.0
7232.2	12.5°	6935.4	6435.0	5927.5	5546.9	5230.8	5032.1	4922.0	4809.5	4404.9	4141.6
7411.8	15°	7091.0	6538.0	5977.8	5491.8	5104.0	4957.9	5068.1	5197.3	4938.8	4634.7
7598.5	17.5°	7260.9	6672.0	5999.3	5343.4	4857.4	4795.1	5080.0	5379.3	5367.3	5065.7
7775.6	20°	7440.5	6789.3	5985.0	5104.0	4558.1	4613.2	4977.1	5324.2	5470.2	5307.5
7979.1	22.5°	7624.8	6901.8	5929.9	4792.7	4278.0	4450.4	4814.3	5118.3	5290.7	5240.4
8228.1	25°	7857.0	7059.8	5848.5	4457.6	4045.8	4285.2	4625.2	4871.8	4991.5	4989.1
8496.2	27.5°	8134.7	7270.5	5805.4	4187.1	3880.6	4098.5	4400.1	4620.4	4704.2	4704.2
8829.0	30°	8457.9	7519.5	5757.5	4009.9	3784.9	3904.6	4139.2	4354.7	4438.4	4438.4
9192.9	32.5°	8817.0	7758.9	5642.6	3902.2	3713.1	3715.5	3863.9	4060.2	4160.7	4175.1
9647.7	35°	9247.9	8015.0	5391.2	3816.0	3629.3	3531.1	3602.9	3765.7	3885.4	3916.6
10296.5	37.5°	9812.9	8328.7	5032.1	3689.1	3500.0	3337.2	3354.0	3478.5	3610.1	3658.0
11191.9	40°	10571.8	8697.3	4658.7	3507.2	3318.1	3124.1	3117.0	3207.9	3337.2	3389.9
12403.2	42.5°	11574.9	9140.2	4302.0	3332.4	3097.8	2899.1	2887.1	2959.0	3071.5	3126.5
14002.4	45°	12858.1	9683.7	3995.6	3196.0	2882.4	2686.0	2681.3	2741.1	2839.3	2896.7
16049.2	47.5°	14641.6	10227.1	3787.3	3124.1	2712.4	2511.3	2520.9	2573.5	2662.1	2702.8
18699.4	50°	16966.1	10392.3	3681.9	3124.1	2621.4	2355.7	2403.6	2446.6	2513.7	2537.6
21876.2	52.5°	19197.3	9846.4	3586.2	3143.3	2633.4	2224.0	2326.9	2358.1	2415.5	2425.1
24820.8	55°	20291.4	8465.1	3454.5	3148.1	2707.6	2111.5	2264.7	2322.2	2343.7	2341.3
26530.1	57.5°	19915.5	6844.4	3231.9	3128.9	2757.9	2039.7	2188.1	2298.2	2312.6	2291.0
26204.5	60°	18596.4	5039.3	3061.9	2987.7	2738.7	2018.1	2070.8	2245.6	2267.1	2238.4
23695.6	62.5°	16384.4	3497.6	2930.2	2676.5	2654.9	2010.9	1886.5	2130.6	2183.3	2142.6
19046.5	65°	12898.8	2470.6	2523.3	2346.1	2473.0	1972.6	1694.9	1991.8	2063.6	2001.4
13818.1	67.5°	8728.5	1783.5	2044.5	2125.9	2178.5	1886.5	1556.1	1833.8	1929.5	1848.2
8867.3	70°	4713.7	1252.1	1350.2	1790.7	1850.5	1738.0	1431.6	1673.4	1783.5	1694.9
6303.4	72.5°	2784.2	900.1	945.6	1438.8	1541.7	1529.8	1292.7	1486.7	1620.7	1515.4
4349.9	75°	1534.5	608.1	675.1	1043.8	1252.1	1180.2	1110.8	1259.2	1395.7	1292.7
2726.7	77.5°	687.1	363.9	469.2	684.7	983.9	809.2	859.4	981.5	1108.4	1000.7
1517.8	80°	265.7	203.5	311.2	373.5	715.8	447.7	553.0	723.0	814.0	727.8
330.4	82.5°	33.5	91.0	134.1	146.0	416.6	237.0	320.8	454.9	447.7	387.8
0.0	85°	0.0	16.8	19.2	9.6	179.5	86.2	105.3	148.4	138.9	105.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	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: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4811.9	0°	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9
4309.2	2.5°	4191.9	4105.7	4062.6	4026.7	4060.2	4079.3	4079.3	4160.7	4208.6	4227.8
3904.6	5°	3693.9	3533.5	3425.8	3361.1	3382.7	3406.6	3433.0	3535.9	3605.3	3650.8
3624.5	7.5°	3301.3	3057.1	2906.3	2827.3	2839.3	2856.0	2877.6	2978.1	3047.5	3107.4
3571.8	10°	3107.4	2762.7	2564.0	2468.2	2451.4	2441.9	2434.7	2494.5	2547.2	2595.1
3787.3	12.5°	3117.0	2635.8	2394.0	2276.7	2226.4	2168.9	2123.5	2133.0	2166.6	2226.4
4172.7	15°	3239.1	2595.1	2305.4	2159.4	2075.6	2008.5	1953.5	1941.5	1953.5	1963.1
4613.2	17.5°	3404.2	2590.3	2228.8	2046.9	1960.7	1905.6	1855.3	1838.6	1841.0	1852.9
4905.3	20°	3535.9	2575.9	2142.6	1939.1	1862.5	1814.6	1764.4	1747.6	1752.4	1754.8
4934.0	22.5°	3605.3	2554.4	2046.9	1831.4	1766.8	1718.9	1673.4	1671.0	1671.0	1685.4
4778.4	25°	3605.3	2508.9	1960.7	1728.5	1671.0	1627.9	1572.8	1582.4	1587.2	1606.4
4536.6	27.5°	3519.2	2422.7	1891.2	1639.9	1580.0	1536.9	1486.7	1498.6	1505.8	1527.4
4297.2	30°	3409.0	2319.8	1812.2	1556.1	1486.7	1455.5	1412.4	1417.2	1426.8	1450.8
4074.6	32.5°	3291.7	2197.7	1747.6	1472.3	1402.9	1378.9	1331.1	1338.2	1347.8	1374.1
3854.3	35°	3162.4	2054.0	1671.0	1395.7	1326.3	1307.1	1252.1	1256.8	1271.2	1299.9
3617.3	37.5°	3026.0	1936.7	1594.4	1321.5	1249.7	1230.5	1173.1	1177.8	1194.6	1228.1
3368.3	40°	2891.9	1821.8	1513.0	1242.5	1170.7	1153.9	1091.7	1096.4	1115.6	1151.5
3117.0	42.5°	2745.9	1733.2	1407.7	1161.1	1084.5	1067.7	1010.3	1017.4	1039.0	1074.9
2884.7	45°	2571.1	1675.8	1290.4	1084.5	998.3	981.5	928.9	943.2	967.2	1003.1
2686.0	47.5°	2391.6	1651.8	1192.2	1003.1	909.7	895.3	852.3	876.2	902.5	931.3
2516.1	50°	2219.2	1620.7	1091.7	926.5	833.1	818.7	790.0	821.1	847.5	873.8
2394.0	52.5°	2022.9	1553.7	1000.7	859.4	768.5	763.7	749.3	778.0	802.0	825.9
2288.6	55°	1819.4	1446.0	921.7	799.6	713.4	718.2	711.0	735.0	754.1	775.6
2192.9	57.5°	1642.3	1309.5	859.4	735.0	665.5	679.9	670.3	682.3	694.3	720.6
2078.0	60°	1462.7	1146.7	790.0	658.3	617.6	634.4	608.1	605.7	610.5	617.6
1908.0	62.5°	1220.9	976.7	703.8	591.3	565.0	572.2	521.9	483.6	483.6	490.8
1671.0	65°	981.5	818.7	608.1	514.7	493.2	488.4	416.6	363.9	359.1	380.6
1395.7	67.5°	806.8	679.9	512.3	428.5	414.2	418.9	366.3	313.6	308.8	332.8
1137.1	70°	667.9	548.2	409.4	330.4	344.7	366.3	313.6	263.3	256.2	277.7
924.1	72.5°	531.5	428.5	313.6	244.2	284.9	311.2	256.2	208.3	203.5	222.6
713.4	75°	390.2	306.4	213.1	177.2	220.2	244.2	186.7	148.4	141.2	158.0
476.4	77.5°	241.8	172.4	134.1	105.3	150.8	162.8	98.2	86.2	83.8	95.8
289.7	80°	112.5	74.2	64.6	35.9	55.1	64.6	40.7	45.5	47.9	57.5
146.0	82.5°	31.1	12.0	2.4	0.0	0.0	19.2	9.6	19.2	23.9	35.9
12.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	12.0	21.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6
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: P955255
 CATALOG NUMBER: GALN-SB8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4811.9	0°	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9
4361.8	2.5°	4462.4	4558.1	4711.4	4869.4	5025.0	5183.0	5336.2	5391.2
3859.1	5°	4048.2	4268.5	4572.5	4898.1	5233.2	5573.2	5884.4	6025.6
3339.6	7.5°	3586.2	3902.2	4359.4	4869.4	5403.2	5937.1	6427.8	6655.3
2824.9	10°	3093.0	3492.8	4014.7	4704.2	5470.2	6207.6	6882.7	7177.2
2372.4	12.5°	2623.8	3042.7	3619.7	4445.6	5417.6	6363.2	7174.8	7521.9
2054.0	15°	2231.2	2602.3	3224.7	4139.2	5247.6	6372.8	7313.6	7694.3
1876.9	17.5°	1936.7	2178.5	2822.5	3799.2	5025.0	6284.2	7361.5	7768.5
1781.1	20°	1790.7	1857.7	2300.6	3363.5	4816.7	6200.4	7409.4	7837.9
1704.5	22.5°	1704.5	1721.3	1881.7	2801.0	4567.7	6174.1	7493.2	7933.7
1635.1	25°	1635.1	1639.9	1683.0	2219.2	4187.1	6157.3	7622.4	8065.3
1563.3	27.5°	1565.7	1565.7	1589.6	1788.3	3670.0	6085.5	7790.0	8223.3
1491.5	30°	1496.2	1496.2	1513.0	1582.4	3064.3	5944.3	7991.1	8429.2
1419.6	32.5°	1424.4	1424.4	1438.8	1489.1	2446.6	5767.1	8175.4	8637.5
1345.4	35°	1352.6	1347.8	1367.0	1419.6	1946.3	5542.1	8359.8	8862.5
1271.2	37.5°	1276.0	1273.6	1292.7	1352.6	1680.6	5281.1	8498.6	9168.9
1197.0	40°	1194.6	1194.6	1216.1	1280.8	1604.0	4953.1	8718.9	9609.4
1120.4	42.5°	1120.4	1115.6	1139.5	1218.5	1546.5	4639.5	9113.9	10251.0
1051.0	45°	1048.6	1039.0	1060.5	1158.7	1446.0	4529.4	9851.2	11199.0
983.9	47.5°	981.5	957.6	976.7	1086.9	1355.0	4941.2	11057.8	12513.3
924.1	50°	926.5	881.0	897.7	1015.0	1285.6	5834.1	12623.5	14258.6
869.0	52.5°	869.0	809.2	818.7	926.5	1223.3	6684.0	14320.8	16561.6
814.0	55°	809.2	742.1	746.9	837.9	1134.7	6810.9	15977.4	19702.5
751.7	57.5°	742.1	679.9	679.9	756.5	1070.1	5903.6	17251.0	23599.9
675.1	60°	667.9	627.2	615.3	691.9	1127.6	4165.5	17399.5	26113.5
576.9	62.5°	586.5	565.0	548.2	629.6	1170.7	2468.2	16204.9	25505.5
454.9	65°	493.2	488.4	476.4	691.9	986.3	1457.9	13911.4	23640.6
387.8	67.5°	414.2	407.0	407.0	725.4	749.3	916.9	10868.7	21074.2
330.4	70°	356.7	330.4	330.4	548.2	454.9	634.4	7588.9	18304.4
272.9	72.5°	299.2	270.5	251.4	438.1	339.9	464.4	4742.5	15675.8
208.3	75°	239.4	217.9	193.9	289.7	253.8	351.9	2755.5	12987.3
131.7	77.5°	172.4	162.8	136.5	213.1	184.3	253.8	1639.9	10021.2
81.4	80°	88.6	91.0	86.2	122.1	124.5	172.4	933.7	6858.8
52.7	82.5°	52.7	40.7	45.5	59.8	71.8	98.2	351.9	4031.5
38.3	85°	33.5	21.5	21.5	28.7	35.9	38.3	107.7	1635.1
19.2	87.5°	16.8	7.2	9.6	14.4	12.0	9.6	4.8	411.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)