

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: P955257

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955257
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-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA 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: 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

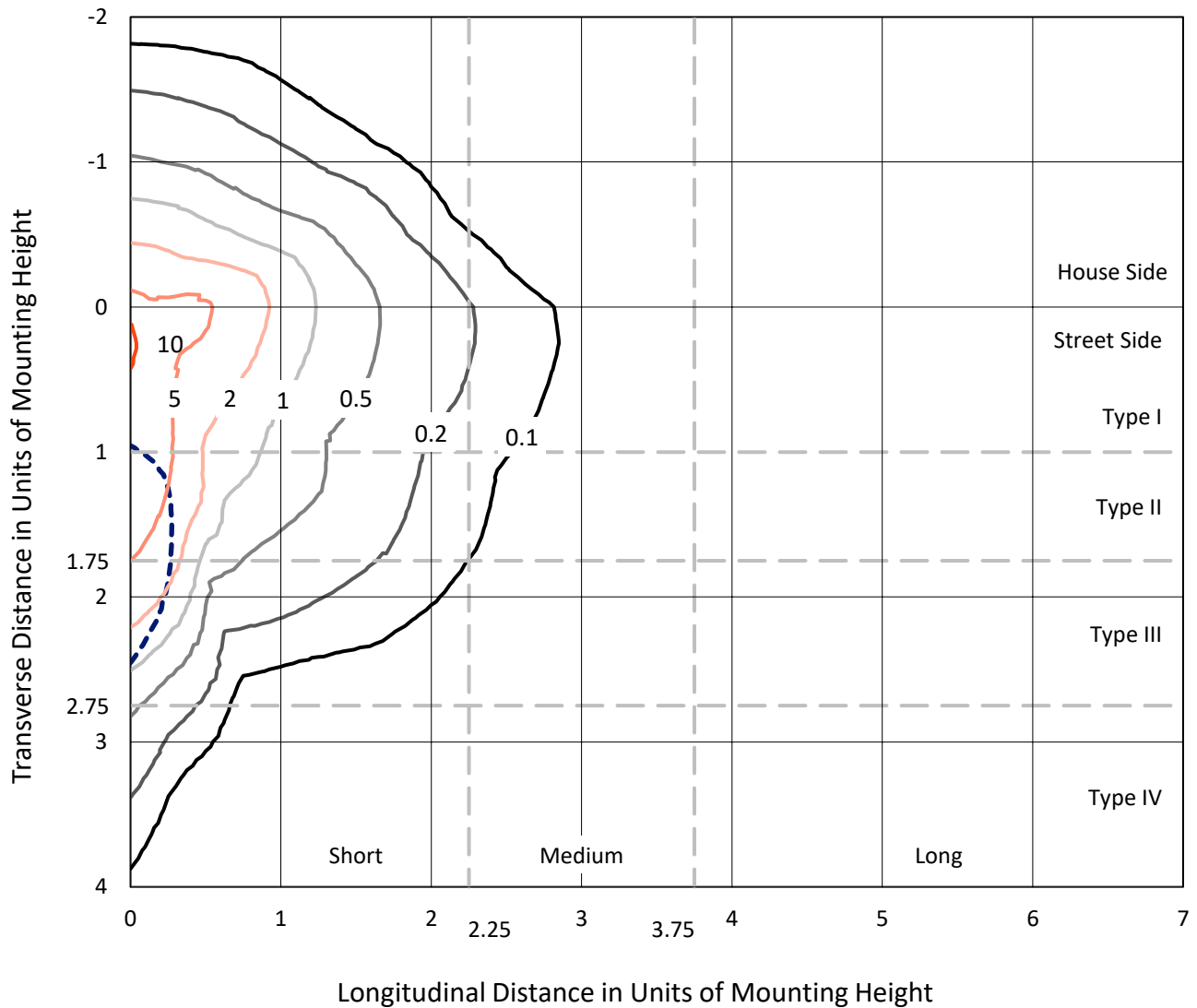
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955257
 CATALOG NUMBER: GALN-SB8B-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

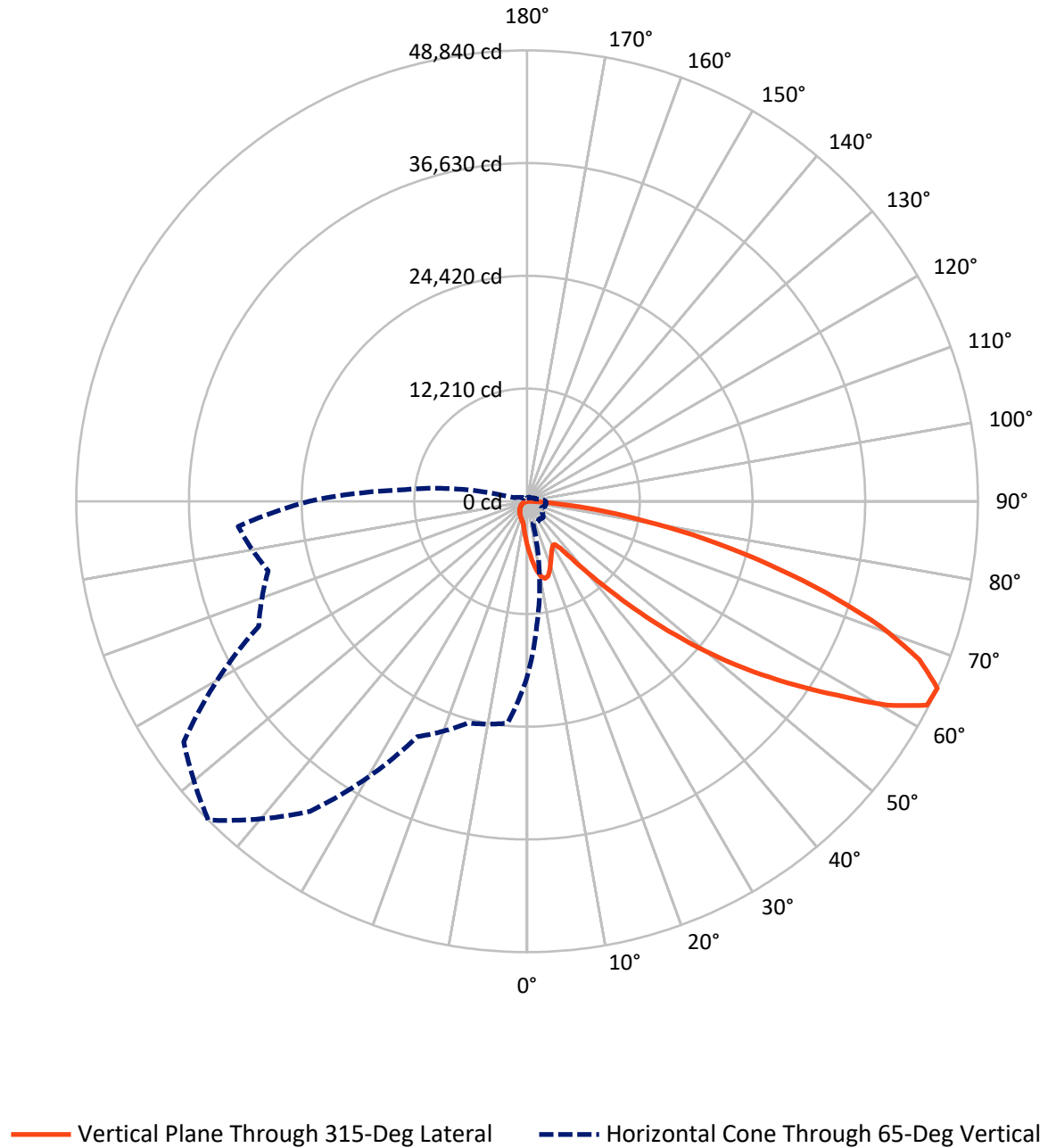
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P955257
CATALOG NUMBER: GALN-SB8B-735-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P955257
 CATALOG NUMBER: GALN-SB8B-735-U-SLR-HSS

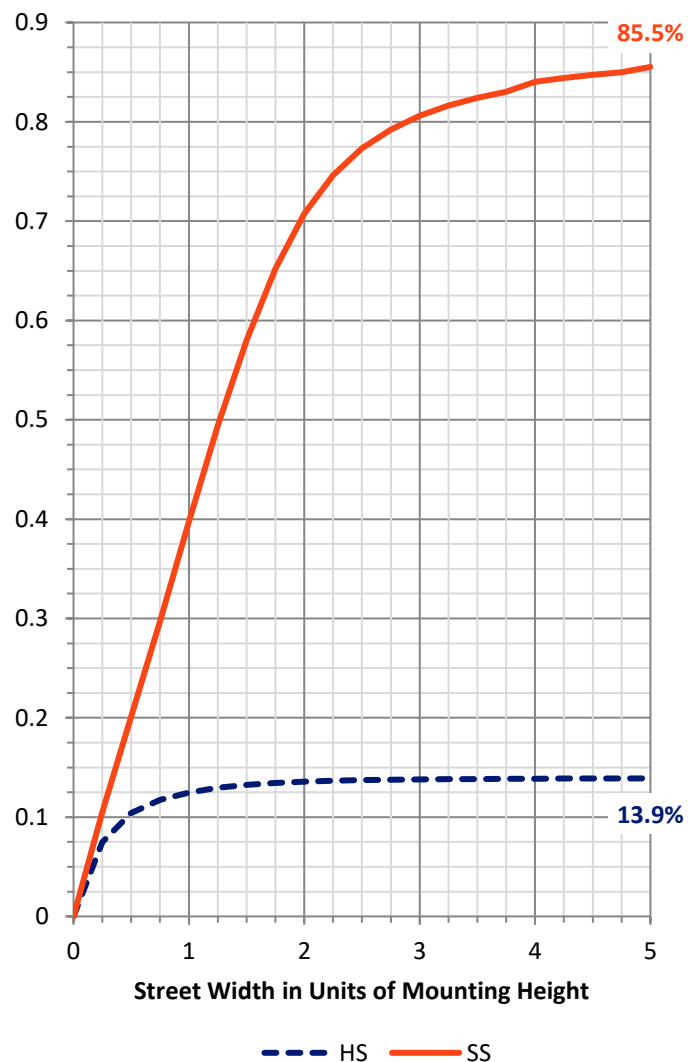
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4866.6	0.0	4866.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	29884.4	0.0	29884.4
	% Fixture	86.0	0.0	86.0
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: P955257

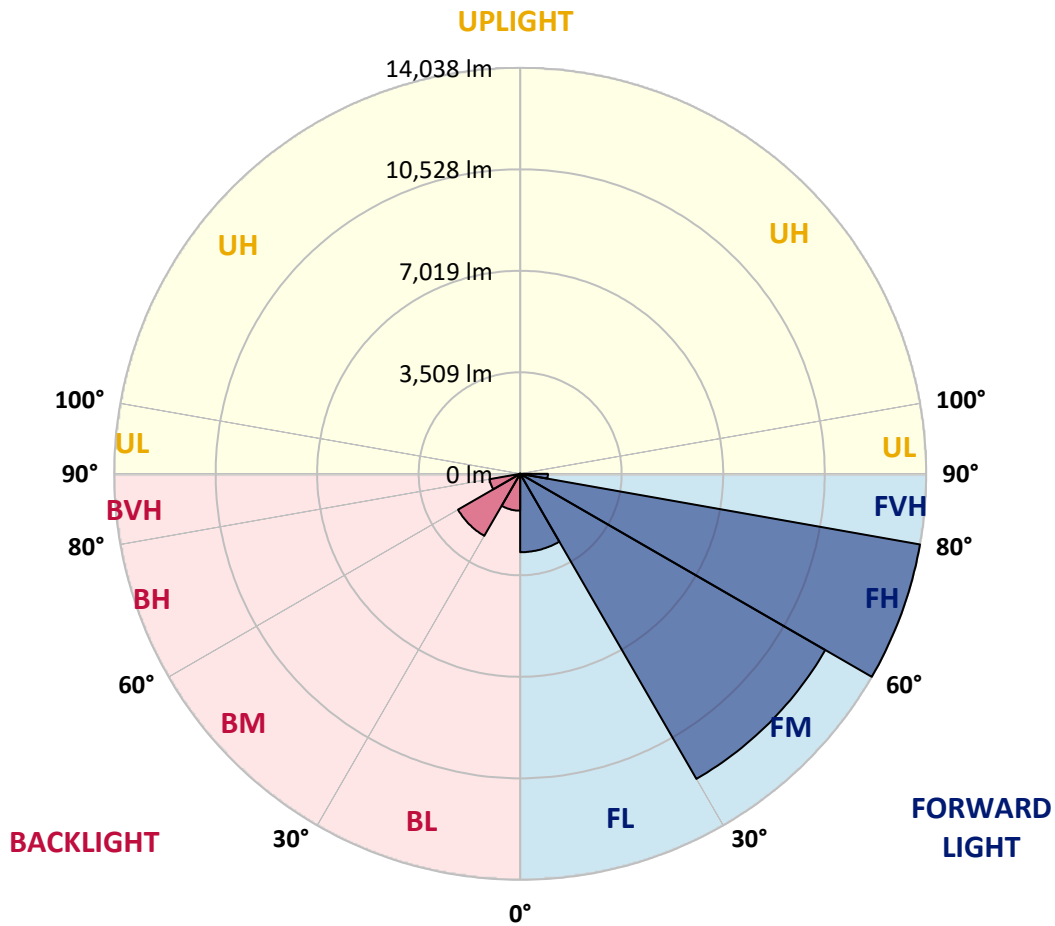
CATALOG NUMBER: GALN-SB8B-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2710.5	7.8			
FM (30°-60°)	12179.8	35.0			
FH (60°-80°)	14037.8	40.4			G5
FVH (80°-90°)	956.3	2.8			G5
BL (0°-30°)	1275.6	3.7	B3/2500		
BM (30°-60°)	2478.2	7.1	B2/2500		
BH (60°-80°)	1074.6	3.1	B3/2500		G3/2500
BVH (80°-90°)	38.2	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-G5

Type IV Short



REPORT NUMBER: P955257
 CATALOG NUMBER: GALN-SB8B-735-U-SLR-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°	5436.7	5343.4	5288.3	5151.8	5015.4	4905.3	4756.8	4658.7	4541.4	4428.9
5°	6059.2	5908.3	5726.4	5477.4	5250.0	5017.8	4792.7	4570.1	4335.5	4120.0
7.5°	6585.8	6368.0	6047.2	5716.8	5427.2	5147.1	4883.7	4589.3	4304.4	3966.8
10°	6988.0	6710.3	6289.0	5855.7	5522.9	5240.4	4984.3	4735.3	4448.0	4041.0
12.5°	7232.2	6935.4	6435.0	5927.5	5546.9	5230.8	5032.1	4922.0	4809.5	4404.9
15°	7411.8	7091.0	6538.0	5977.8	5491.8	5104.0	4957.9	5068.1	5197.3	4938.8
17.5°	7598.5	7260.9	6672.0	5999.3	5343.4	4857.4	4795.1	5080.0	5379.3	5367.3
20°	7775.6	7440.5	6789.3	5985.0	5104.0	4558.1	4613.2	4977.1	5324.2	5470.2
22.5°	7979.1	7624.8	6901.8	5929.9	4792.7	4278.0	4450.4	4814.3	5118.3	5290.7
25°	8228.1	7857.0	7059.8	5848.5	4457.6	4045.8	4285.2	4625.2	4871.8	4991.5
27.5°	8496.2	8134.7	7270.5	5805.4	4187.1	3880.6	4098.5	4400.1	4620.4	4704.2
30°	8829.0	8457.9	7519.5	5757.5	4009.9	3784.9	3904.6	4139.2	4354.7	4438.4
32.5°	9192.9	8817.0	7758.9	5642.6	3902.2	3713.1	3715.5	3863.9	4060.2	4160.7
35°	9647.7	9247.9	8015.0	5391.2	3816.0	3629.3	3531.1	3602.9	3765.7	3885.4
37.5°	10296.5	9812.9	8328.7	5032.1	3689.1	3500.0	3337.2	3354.0	3478.5	3610.1
40°	11191.9	10571.8	8697.3	4658.7	3507.2	3318.1	3124.1	3117.0	3207.9	3337.2
42.5°	12403.2	11574.9	9140.2	4302.0	3332.4	3097.8	2899.1	2887.1	2959.0	3071.5
45°	14002.4	12858.1	9683.7	3995.6	3196.0	2882.4	2686.0	2681.3	2741.1	2839.3
47.5°	16049.2	14641.6	10227.1	3787.3	3124.1	2712.4	2511.3	2520.9	2573.5	2662.1
50°	18699.4	16966.1	10392.3	3681.9	3124.1	2621.4	2355.7	2403.6	2446.6	2513.7
52.5°	21876.2	19197.3	9846.4	3586.2	3143.3	2633.4	2224.0	2326.9	2358.1	2415.5
55°	24820.8	20291.4	8465.1	3454.5	3148.1	2707.6	2111.5	2264.7	2322.2	2343.7
57.5°	26530.1	19915.5	6844.4	3231.9	3128.9	2757.9	2039.7	2188.1	2298.2	2312.6
60°	26204.5	18596.4	5039.3	3061.9	2987.7	2738.7	2018.1	2070.8	2245.6	2267.1
62.5°	23695.6	16384.4	3497.6	2930.2	2676.5	2654.9	2010.9	1886.5	2130.6	2183.3
65°	19046.5	12898.8	2470.6	2523.3	2346.1	2473.0	1972.6	1694.9	1991.8	2063.6
67.5°	13818.1	8728.5	1783.5	2044.5	2125.9	2178.5	1886.5	1556.1	1833.8	1929.5
70°	8867.3	4713.7	1252.1	1350.2	1790.7	1850.5	1738.0	1431.6	1673.4	1783.5
72.5°	6303.4	2784.2	900.1	945.6	1438.8	1541.7	1529.8	1292.7	1486.7	1620.7
75°	4349.9	1534.5	608.1	675.1	1043.8	1252.1	1180.2	1110.8	1259.2	1395.7
77.5°	2726.7	687.1	363.9	469.2	684.7	983.9	809.2	859.4	981.5	1108.4
80°	1517.8	265.7	203.5	311.2	373.5	715.8	447.7	553.0	723.0	814.0
82.5°	330.4	33.5	91.0	134.1	146.0	416.6	237.0	320.8	454.9	447.7
85°	0.0	0.0	16.8	19.2	9.6	179.5	86.2	105.3	148.4	138.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955257
 CATALOG NUMBER: GALN-SB8B-735-U-SLR-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
4328.3	2.5°	4309.2	4191.9	4105.7	4062.6	4026.7	4060.2	4079.3	4079.3	4160.7	4208.6
3988.4	5°	3904.6	3693.9	3533.5	3425.8	3361.1	3382.7	3406.6	3433.0	3535.9	3605.3
3787.3	7.5°	3624.5	3301.3	3057.1	2906.3	2827.3	2839.3	2856.0	2877.6	2978.1	3047.5
3816.0	10°	3571.8	3107.4	2762.7	2564.0	2468.2	2451.4	2441.9	2434.7	2494.5	2547.2
4141.6	12.5°	3787.3	3117.0	2635.8	2394.0	2276.7	2226.4	2168.9	2123.5	2133.0	2166.6
4634.7	15°	4172.7	3239.1	2595.1	2305.4	2159.4	2075.6	2008.5	1953.5	1941.5	1953.5
5065.7	17.5°	4613.2	3404.2	2590.3	2228.8	2046.9	1960.7	1905.6	1855.3	1838.6	1841.0
5307.5	20°	4905.3	3535.9	2575.9	2142.6	1939.1	1862.5	1814.6	1764.4	1747.6	1752.4
5240.4	22.5°	4934.0	3605.3	2554.4	2046.9	1831.4	1766.8	1718.9	1673.4	1671.0	1671.0
4989.1	25°	4778.4	3605.3	2508.9	1960.7	1728.5	1671.0	1627.9	1572.8	1582.4	1587.2
4704.2	27.5°	4536.6	3519.2	2422.7	1891.2	1639.9	1580.0	1536.9	1486.7	1498.6	1505.8
4438.4	30°	4297.2	3409.0	2319.8	1812.2	1556.1	1486.7	1455.5	1412.4	1417.2	1426.8
4175.1	32.5°	4074.6	3291.7	2197.7	1747.6	1472.3	1402.9	1378.9	1331.1	1338.2	1347.8
3916.6	35°	3854.3	3162.4	2054.0	1671.0	1395.7	1326.3	1307.1	1252.1	1256.8	1271.2
3658.0	37.5°	3617.3	3026.0	1936.7	1594.4	1321.5	1249.7	1230.5	1173.1	1177.8	1194.6
3389.9	40°	3368.3	2891.9	1821.8	1513.0	1242.5	1170.7	1153.9	1091.7	1096.4	1115.6
3126.5	42.5°	3117.0	2745.9	1733.2	1407.7	1161.1	1084.5	1067.7	1010.3	1017.4	1039.0
2896.7	45°	2884.7	2571.1	1675.8	1290.4	1084.5	998.3	981.5	928.9	943.2	967.2
2702.8	47.5°	2686.0	2391.6	1651.8	1192.2	1003.1	909.7	895.3	852.3	876.2	902.5
2537.6	50°	2516.1	2219.2	1620.7	1091.7	926.5	833.1	818.7	790.0	821.1	847.5
2425.1	52.5°	2394.0	2022.9	1553.7	1000.7	859.4	768.5	763.7	749.3	778.0	802.0
2341.3	55°	2288.6	1819.4	1446.0	921.7	799.6	713.4	718.2	711.0	735.0	754.1
2291.0	57.5°	2192.9	1642.3	1309.5	859.4	735.0	665.5	679.9	670.3	682.3	694.3
2238.4	60°	2078.0	1462.7	1146.7	790.0	658.3	617.6	634.4	608.1	605.7	610.5
2142.6	62.5°	1908.0	1220.9	976.7	703.8	591.3	565.0	572.2	521.9	483.6	483.6
2001.4	65°	1671.0	981.5	818.7	608.1	514.7	493.2	488.4	416.6	363.9	359.1
1848.2	67.5°	1395.7	806.8	679.9	512.3	428.5	414.2	418.9	366.3	313.6	308.8
1694.9	70°	1137.1	667.9	548.2	409.4	330.4	344.7	366.3	313.6	263.3	256.2
1515.4	72.5°	924.1	531.5	428.5	313.6	244.2	284.9	311.2	256.2	208.3	203.5
1292.7	75°	713.4	390.2	306.4	213.1	177.2	220.2	244.2	186.7	148.4	141.2
1000.7	77.5°	476.4	241.8	172.4	134.1	105.3	150.8	162.8	98.2	86.2	83.8
727.8	80°	289.7	112.5	74.2	64.6	35.9	55.1	64.6	40.7	45.5	47.9
387.8	82.5°	146.0	31.1	12.0	2.4	0.0	0.0	19.2	9.6	19.2	23.9
105.3	85°	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	12.0
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: P955257
 CATALOG NUMBER: GALN-SB8B-735-U-SLR-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
4227.8	2.5°	4361.8	4462.4	4558.1	4711.4	4869.4	5025.0	5183.0	5336.2	5391.2	5431.9
3650.8	5°	3859.1	4048.2	4268.5	4572.5	4898.1	5233.2	5573.2	5884.4	6025.6	6121.4
3107.4	7.5°	3339.6	3586.2	3902.2	4359.4	4869.4	5403.2	5937.1	6427.8	6655.3	6839.6
2595.1	10°	2824.9	3093.0	3492.8	4014.7	4704.2	5470.2	6207.6	6882.7	7177.2	7409.4
2226.4	12.5°	2372.4	2623.8	3042.7	3619.7	4445.6	5417.6	6363.2	7174.8	7521.9	7782.8
1963.1	15°	2054.0	2231.2	2602.3	3224.7	4139.2	5247.6	6372.8	7313.6	7694.3	7967.2
1852.9	17.5°	1876.9	1936.7	2178.5	2822.5	3799.2	5025.0	6284.2	7361.5	7768.5	8022.2
1754.8	20°	1781.1	1790.7	1857.7	2300.6	3363.5	4816.7	6200.4	7409.4	7837.9	8051.0
1685.4	22.5°	1704.5	1704.5	1721.3	1881.7	2801.0	4567.7	6174.1	7493.2	7933.7	8065.3
1606.4	25°	1635.1	1635.1	1639.9	1683.0	2219.2	4187.1	6157.3	7622.4	8065.3	8101.2
1527.4	27.5°	1563.3	1565.7	1565.7	1589.6	1788.3	3670.0	6085.5	7790.0	8223.3	8149.1
1450.8	30°	1491.5	1496.2	1496.2	1513.0	1582.4	3064.3	5944.3	7991.1	8429.2	8211.4
1374.1	32.5°	1419.6	1424.4	1424.4	1438.8	1489.1	2446.6	5767.1	8175.4	8637.5	8237.7
1299.9	35°	1345.4	1352.6	1347.8	1367.0	1419.6	1946.3	5542.1	8359.8	8862.5	8321.5
1228.1	37.5°	1271.2	1276.0	1273.6	1292.7	1352.6	1680.6	5281.1	8498.6	9168.9	8508.2
1151.5	40°	1197.0	1194.6	1194.6	1216.1	1280.8	1604.0	4953.1	8718.9	9609.4	8836.2
1074.9	42.5°	1120.4	1120.4	1115.6	1139.5	1218.5	1546.5	4639.5	9113.9	10251.0	9358.1
1003.1	45°	1051.0	1048.6	1039.0	1060.5	1158.7	1446.0	4529.4	9851.2	11199.0	10203.1
931.3	47.5°	983.9	981.5	957.6	976.7	1086.9	1355.0	4941.2	11057.8	12513.3	11445.6
873.8	50°	924.1	926.5	881.0	897.7	1015.0	1285.6	5834.1	12623.5	14258.6	13119.0
825.9	52.5°	869.0	869.0	809.2	818.7	926.5	1223.3	6684.0	14320.8	16561.6	15453.1
775.6	55°	814.0	809.2	742.1	746.9	837.9	1134.7	6810.9	15977.4	19702.5	18965.1
720.6	57.5°	751.7	742.1	679.9	679.9	756.5	1070.1	5903.6	17251.0	23599.9	24126.5
617.6	60°	675.1	667.9	627.2	615.3	691.9	1127.6	4165.5	17399.5	26113.5	30990.1
490.8	62.5°	576.9	586.5	565.0	548.2	629.6	1170.7	2468.2	16204.9	25505.5	33173.4
380.6	65°	454.9	493.2	488.4	476.4	691.9	986.3	1457.9	13911.4	23640.6	31411.4
332.8	67.5°	387.8	414.2	407.0	407.0	725.4	749.3	916.9	10868.7	21074.2	29321.5
277.7	70°	330.4	356.7	330.4	330.4	548.2	454.9	634.4	7588.9	18304.4	27008.9
222.6	72.5°	272.9	299.2	270.5	251.4	438.1	339.9	464.4	4742.5	15675.8	24600.5
158.0	75°	208.3	239.4	217.9	193.9	289.7	253.8	351.9	2755.5	12987.3	21047.9
95.8	77.5°	131.7	172.4	162.8	136.5	213.1	184.3	253.8	1639.9	10021.2	16446.6
57.5	80°	81.4	88.6	91.0	86.2	122.1	124.5	172.4	933.7	6858.8	11462.4
35.9	82.5°	52.7	52.7	40.7	45.5	59.8	71.8	98.2	351.9	4031.5	6978.5
21.5	85°	38.3	33.5	21.5	21.5	28.7	35.9	38.3	107.7	1635.1	2755.5
9.6	87.5°	19.2	16.8	7.2	9.6	14.4	12.0	9.6	4.8	411.8	881.0
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: P955257
 CATALOG NUMBER: GALN-SB8B-735-U-SLR-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
5522.9	2.5°	5570.8	5645.0	5649.8	5649.8	5585.2	5582.8	5451.1	5436.7
6336.9	5°	6559.5	6607.4	6619.4	6595.4	6466.1	6370.4	6114.2	6059.2
7167.6	7.5°	7464.4	7560.2	7560.2	7502.7	7292.1	7095.8	6724.7	6585.8
7854.7	10°	8187.4	8297.5	8273.6	8156.3	7890.6	7620.0	7170.0	6988.0
8271.2	12.5°	8539.3	8651.8	8589.6	8455.5	8197.0	7912.1	7438.1	7232.2
8390.9	15°	8532.1	8501.0	8436.4	8419.6	8295.1	8079.7	7636.8	7411.8
8316.7	17.5°	8228.1	7964.8	7914.5	8082.1	8240.1	8187.4	7809.2	7598.5
8139.5	20°	7746.9	7287.3	7241.8	7562.6	8012.7	8242.5	7969.6	7775.6
7883.4	22.5°	7239.4	6743.8	6638.5	6992.8	7670.3	8259.2	8173.1	7979.1
7600.9	25°	6758.2	6260.3	6154.9	6485.3	7289.7	8230.5	8393.3	8228.1
7330.4	27.5°	6356.0	5874.8	5776.7	6107.0	6923.4	8149.1	8613.5	8496.2
7062.2	30°	6044.8	5599.5	5527.7	5846.1	6607.4	8048.6	8893.6	8829.0
6813.3	32.5°	5862.9	5537.3	5563.6	5824.6	6437.4	7938.4	9161.8	9192.9
6691.2	35°	6042.4	6056.8	6286.6	6394.3	6595.4	7921.7	9525.6	9647.7
6837.2	37.5°	6935.4	7433.3	7909.7	7821.1	7368.7	8115.6	10069.1	10296.5
7474.0	40°	8455.5	9477.8	10251.0	9913.5	8773.9	8709.3	10851.9	11191.9
8604.0	42.5°	10313.3	12046.5	13320.1	12415.2	10586.2	9748.3	11969.9	12403.2
9970.9	45°	12273.9	15213.7	17219.9	15338.2	12518.1	11203.8	13662.4	14002.4
11251.7	47.5°	14339.9	19063.3	21658.3	18579.7	14308.8	12860.5	15970.2	16049.2
12465.5	50°	16599.9	23283.9	26183.0	21818.7	16037.3	14758.9	18790.4	18699.4
13880.3	52.5°	18752.1	27624.1	30611.8	25072.2	17555.1	17114.6	22062.9	21876.2
15814.6	55°	20806.1	31962.0	35067.0	28198.7	18986.7	20226.7	25950.8	24820.8
18603.6	57.5°	23188.1	35861.8	39658.7	31339.6	20988.0	24267.8	30298.2	26530.1
23944.6	60°	26709.6	40293.1	44851.2	35644.0	24794.5	28514.7	31856.7	26204.5
30341.3	62.5°	31205.5	44367.6	48626.5	39862.2	28617.6	29314.3	29560.9	23695.6
29036.6	65°	32079.3	45399.5	48839.6	40989.7	28124.5	24866.3	24133.7	19046.5
25936.4	67.5°	29762.0	43534.5	45861.5	38890.2	24878.2	19216.5	18110.5	13818.1
23901.5	70°	27162.1	39979.5	40671.3	35320.8	21881.0	14134.1	12230.8	8867.3
22508.2	72.5°	24497.6	35237.0	33805.4	30674.1	19230.8	10291.7	8821.8	6303.4
20523.6	75°	21332.8	29000.7	26628.2	25486.3	15922.4	8077.3	6382.4	4349.9
17653.2	77.5°	17083.4	20413.5	19779.1	19755.1	11965.1	5901.2	4258.9	2726.7
13791.7	80°	12051.3	13248.3	12925.1	14878.6	8027.0	4280.4	2564.0	1517.8
9599.9	82.5°	5834.1	7325.6	7519.5	8860.1	3904.6	2518.5	591.3	330.4
3753.8	85°	2283.9	3533.5	2980.5	3363.5	1096.4	701.4	14.4	0.0
617.6	87.5°	256.2	409.4	375.9	296.9	134.1	28.7	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)