

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: P952044

Luminaire Tested: **GALN-SB6A-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952044
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-SB6A-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA 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: 20760 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

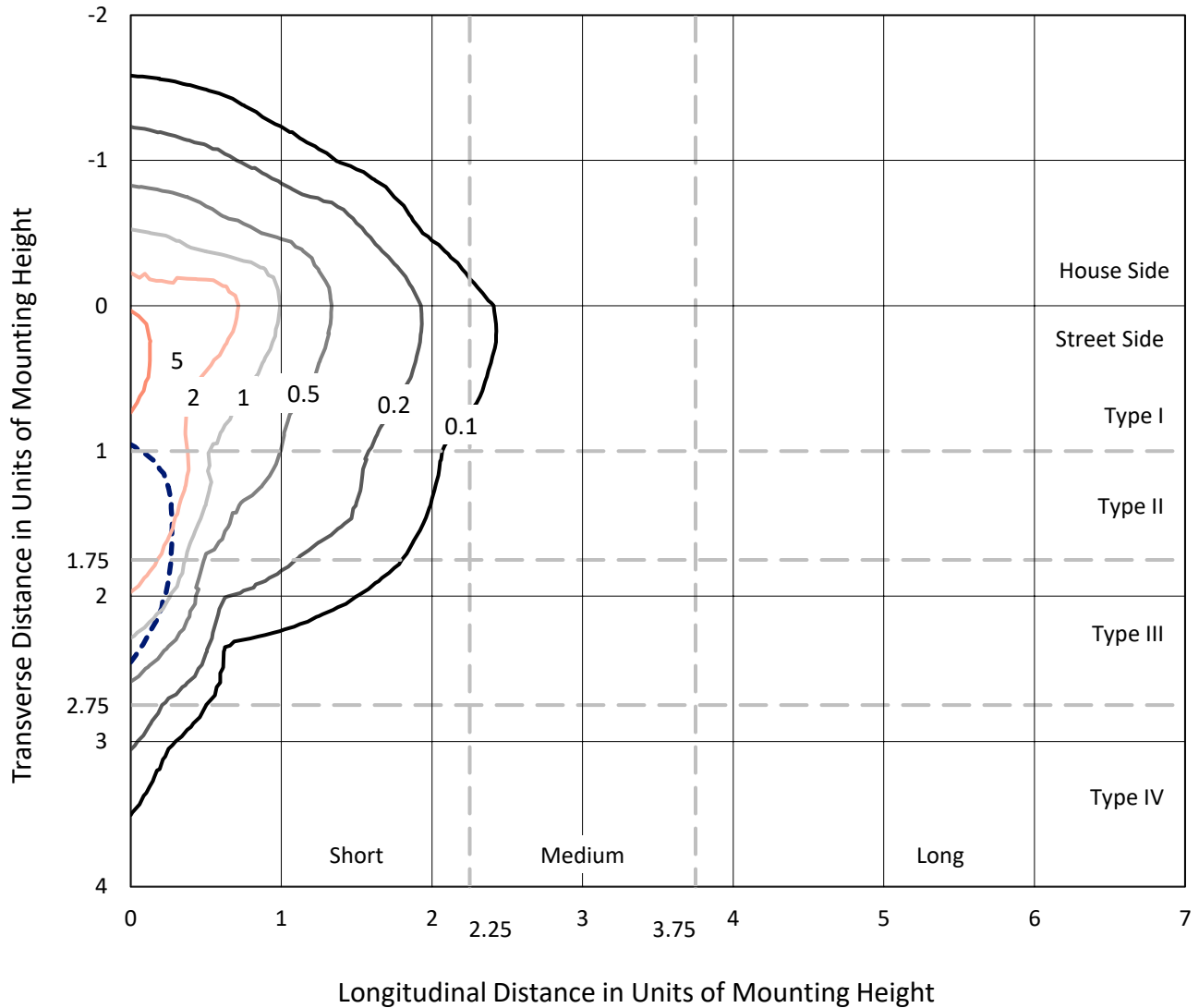
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952044
 CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

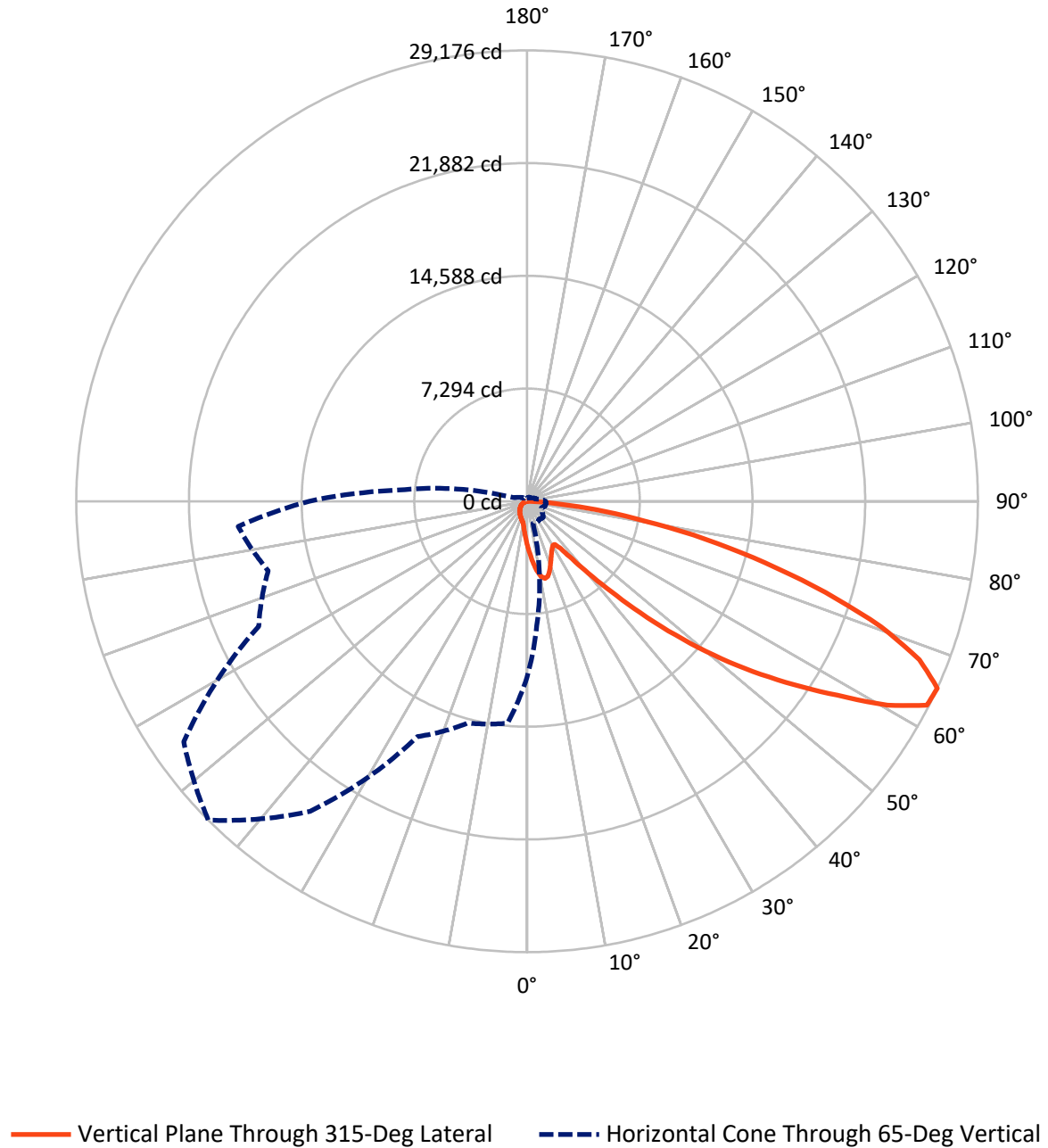
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P952044
CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P952044

CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2907.3	0.0	2907.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	17852.7	0.0	17852.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	20760.0	0.0	20760.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	1.4
10°-20°	848.4	4.1
20°-30°	1249.9	6.0
30°-40°	1605.7	7.7
40°-50°	2596.9	12.5
50°-60°	4554.0	21.9
60°-70°	5698.3	27.4
70°-80°	3329.8	16.0
80°-90°	594.1	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°	20760.0	100.0
0°-180°	20760.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952044

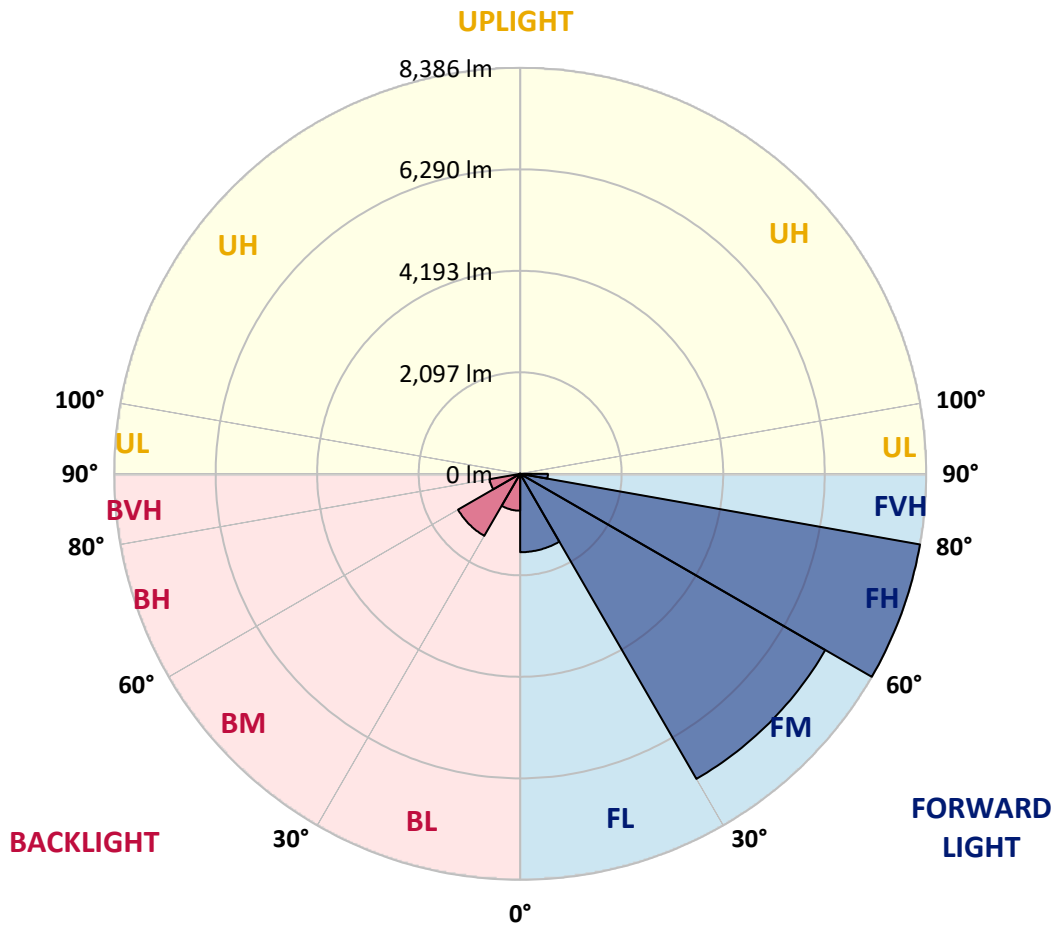
CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1619.2	7.8			
FM (30°-60°)	7276.2	35.0			
FH (60°-80°)	8386.1	40.4			G4/12000
FVH (80°-90°)	571.3	2.8			G4/750
BL (0°-30°)	762.1	3.7	B2/1000		
BM (30°-60°)	1480.5	7.1	B2/2500		
BH (60°-80°)	641.9	3.1	B2/1000		G2/1000
BVH (80°-90°)	22.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P952044

CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6
2.5°	3247.9	3192.1	3159.2	3077.7	2996.2	2930.4	2841.7	2783.1	2713.0	2645.8
5°	3619.7	3529.6	3420.9	3272.2	3136.3	2997.6	2863.2	2730.2	2590.0	2461.3
7.5°	3934.3	3804.2	3612.6	3415.2	3242.1	3074.8	2917.5	2741.6	2571.4	2369.8
10°	4174.6	4008.7	3757.0	3498.1	3299.3	3130.6	2977.6	2828.8	2657.2	2414.1
12.5°	4320.5	4143.1	3844.2	3541.0	3313.7	3124.9	3006.2	2940.4	2873.2	2631.5
15°	4427.7	4236.1	3905.7	3571.1	3280.8	3049.1	2961.8	3027.6	3104.8	2950.4
17.5°	4539.3	4337.6	3985.8	3583.9	3192.1	2901.8	2864.6	3034.8	3213.5	3206.4
20°	4645.1	4444.9	4055.9	3575.4	3049.1	2723.0	2755.9	2973.3	3180.6	3267.9
22.5°	4766.7	4555.0	4123.1	3542.5	2863.2	2555.7	2658.6	2876.0	3057.7	3160.6
25°	4915.4	4693.7	4217.5	3493.8	2662.9	2416.9	2560.0	2763.0	2910.3	2981.9
27.5°	5075.6	4859.6	4343.4	3468.1	2501.3	2318.3	2448.4	2628.6	2760.2	2810.2
30°	5274.4	5052.7	4492.1	3439.5	2395.5	2261.1	2332.6	2472.7	2601.4	2651.5
32.5°	5491.8	5267.2	4635.1	3370.9	2331.1	2218.2	2219.6	2308.3	2425.5	2485.6
35°	5763.5	5524.7	4788.1	3220.7	2279.7	2168.1	2109.5	2152.4	2249.6	2321.1
37.5°	6151.1	5862.2	4975.5	3006.2	2203.9	2090.9	1993.6	2003.6	2078.0	2156.7
40°	6685.9	6315.5	5195.7	2783.1	2095.2	1982.2	1866.3	1862.1	1916.4	1993.6
42.5°	7409.6	6914.8	5460.3	2570.0	1990.8	1850.6	1731.9	1724.8	1767.7	1834.9
45°	8364.9	7681.3	5784.9	2386.9	1909.2	1721.9	1604.6	1601.8	1637.5	1696.2
47.5°	9587.7	8746.8	6109.6	2262.5	1866.3	1620.4	1500.2	1505.9	1537.4	1590.3
50°	11170.9	10135.5	6208.3	2199.6	1866.3	1566.0	1407.3	1435.9	1461.6	1501.7
52.5°	13068.7	11468.3	5882.2	2142.4	1877.8	1573.2	1328.6	1390.1	1408.7	1443.0
55°	14827.8	12121.9	5057.0	2063.7	1880.6	1617.5	1261.4	1352.9	1387.2	1400.1
57.5°	15848.9	11897.4	4088.8	1930.7	1869.2	1647.5	1218.5	1307.2	1372.9	1381.5
60°	15654.4	11109.4	3010.5	1829.2	1784.8	1636.1	1205.6	1237.1	1341.5	1354.3
62.5°	14155.6	9787.9	2089.4	1750.5	1598.9	1586.0	1201.3	1127.0	1272.8	1304.3
65°	11378.3	7705.6	1475.9	1507.4	1401.5	1477.3	1178.4	1012.5	1189.9	1232.8
67.5°	8254.8	5214.3	1065.5	1221.3	1270.0	1301.4	1127.0	929.6	1095.5	1152.7
70°	5297.3	2816.0	748.0	806.6	1069.8	1105.5	1038.3	855.2	999.7	1065.5
72.5°	3765.6	1663.3	537.7	564.9	859.5	921.0	913.9	772.3	888.1	968.2
75°	2598.6	916.7	363.3	403.3	623.5	748.0	705.1	663.6	752.3	833.8
77.5°	1628.9	410.5	217.4	280.3	409.0	587.8	483.4	513.4	586.4	662.2
80°	906.7	158.7	121.6	185.9	223.1	427.6	267.4	330.4	431.9	486.3
82.5°	197.4	20.0	54.3	80.1	87.2	248.8	141.6	191.6	271.7	267.4
85°	0.0	0.0	10.0	11.4	5.7	107.3	51.5	62.9	88.7	82.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952044
 CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2874.6	0°	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6
2585.7	2.5°	2574.3	2504.2	2452.7	2427.0	2405.5	2425.5	2437.0	2437.0	2485.6	2514.2
2382.6	5°	2332.6	2206.7	2110.9	2046.5	2007.9	2020.8	2035.1	2050.8	2112.3	2153.8
2262.5	7.5°	2165.2	1972.2	1826.3	1736.2	1689.0	1696.2	1706.2	1719.0	1779.1	1820.6
2279.7	10°	2133.8	1856.3	1650.4	1531.7	1474.5	1464.5	1458.8	1454.5	1490.2	1521.7
2474.2	12.5°	2262.5	1862.1	1574.6	1430.1	1360.1	1330.0	1295.7	1268.5	1274.3	1294.3
2768.8	15°	2492.7	1935.0	1550.3	1377.2	1290.0	1239.9	1199.9	1167.0	1159.8	1167.0
3026.2	17.5°	2755.9	2033.7	1547.4	1331.5	1222.8	1171.3	1138.4	1108.4	1098.4	1099.8
3170.6	20°	2930.4	2112.3	1538.8	1280.0	1158.4	1112.7	1084.1	1054.0	1044.0	1046.9
3130.6	22.5°	2947.5	2153.8	1526.0	1222.8	1094.1	1055.4	1026.8	999.7	998.2	998.2
2980.4	25°	2854.6	2153.8	1498.8	1171.3	1032.6	998.2	972.5	939.6	945.3	948.2
2810.2	27.5°	2710.1	2102.3	1447.3	1129.8	979.7	943.9	918.2	888.1	895.3	899.6
2651.5	30°	2567.1	2036.5	1385.8	1082.6	929.6	888.1	869.5	843.8	846.6	852.4
2494.2	32.5°	2434.1	1966.5	1312.9	1044.0	879.5	838.1	823.8	795.2	799.5	805.2
2339.7	35°	2302.5	1889.2	1227.1	998.2	833.8	792.3	780.9	748.0	750.8	759.4
2185.3	37.5°	2161.0	1807.7	1157.0	952.5	789.4	746.5	735.1	700.8	703.6	713.6
2025.1	40°	2012.2	1727.6	1088.3	903.9	742.2	699.3	689.3	652.1	655.0	666.4
1867.8	42.5°	1862.1	1640.4	1035.4	840.9	693.6	647.9	637.8	603.5	607.8	620.7
1730.5	45°	1723.3	1536.0	1001.1	770.8	647.9	596.4	586.4	554.9	563.5	577.8
1614.6	47.5°	1604.6	1428.7	986.8	712.2	599.2	543.5	534.9	509.1	523.4	539.2
1516.0	50°	1503.1	1325.7	968.2	652.1	553.5	497.7	489.1	471.9	490.5	506.3
1448.7	52.5°	1430.1	1208.5	928.2	597.8	513.4	459.1	456.2	447.6	464.8	479.1
1398.7	55°	1367.2	1086.9	863.8	550.6	477.7	426.2	429.0	424.8	439.1	450.5
1368.7	57.5°	1310.0	981.1	782.3	513.4	439.1	397.6	406.2	400.4	407.6	414.7
1337.2	60°	1241.4	873.8	685.0	471.9	393.3	369.0	379.0	363.3	361.8	364.7
1280.0	62.5°	1139.8	729.4	583.5	420.5	353.2	337.5	341.8	311.8	288.9	288.9
1195.6	65°	998.2	586.4	489.1	363.3	307.5	294.6	291.8	248.8	217.4	214.5
1104.1	67.5°	833.8	482.0	406.2	306.1	256.0	247.4	250.3	218.8	187.3	184.5
1012.5	70°	679.3	399.0	327.5	244.6	197.4	205.9	218.8	187.3	157.3	153.0
905.3	72.5°	552.0	317.5	256.0	187.3	145.9	170.2	185.9	153.0	124.4	121.6
772.3	75°	426.2	233.1	183.1	127.3	105.8	131.6	145.9	111.6	88.7	84.4
597.8	77.5°	284.6	144.4	103.0	80.1	62.9	90.1	97.3	58.6	51.5	50.1
434.8	80°	173.0	67.2	44.3	38.6	21.5	32.9	38.6	24.3	27.2	28.6
231.7	82.5°	87.2	18.6	7.2	1.4	0.0	0.0	11.4	5.7	11.4	14.3
62.9	85°	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.2
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: P952044
 CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2874.6	0°	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6
2525.6	2.5°	2605.7	2665.8	2723.0	2814.5	2908.9	3001.9	3096.3	3187.8	3220.7	3245.0
2181.0	5°	2305.4	2418.4	2550.0	2731.6	2926.1	3126.3	3329.4	3515.3	3599.7	3656.9
1856.3	7.5°	1995.1	2142.4	2331.1	2604.3	2908.9	3227.8	3546.8	3839.9	3975.8	4085.9
1550.3	10°	1687.6	1847.8	2086.6	2398.4	2810.2	3267.9	3708.4	4111.7	4287.6	4426.3
1330.0	12.5°	1417.3	1567.4	1817.7	2162.4	2655.8	3236.4	3801.3	4286.2	4493.5	4649.4
1172.7	15°	1227.1	1332.9	1554.6	1926.4	2472.7	3134.9	3807.1	4369.1	4596.5	4759.5
1106.9	17.5°	1121.2	1157.0	1301.4	1686.1	2269.6	3001.9	3754.1	4397.7	4640.8	4792.4
1048.3	20°	1064.0	1069.8	1109.8	1374.4	2009.4	2877.5	3704.1	4426.3	4682.3	4809.6
1006.8	22.5°	1018.3	1018.3	1028.3	1124.1	1673.3	2728.7	3688.3	4476.4	4739.5	4818.2
959.6	25°	976.8	976.8	979.7	1005.4	1325.7	2501.3	3678.3	4553.6	4818.2	4839.6
912.4	27.5°	933.9	935.3	935.3	949.6	1068.3	2192.4	3635.4	4653.7	4912.6	4868.2
866.7	30°	891.0	893.8	893.8	903.9	945.3	1830.6	3551.1	4773.8	5035.5	4905.4
820.9	32.5°	848.1	850.9	850.9	859.5	889.6	1461.6	3445.2	4884.0	5160.0	4921.1
776.6	35°	803.7	808.0	805.2	816.6	848.1	1162.7	3310.8	4994.1	5294.4	4971.2
733.7	37.5°	759.4	762.3	760.8	772.3	808.0	1004.0	3154.9	5077.0	5477.5	5082.7
687.9	40°	715.1	713.6	713.6	726.5	765.1	958.2	2959.0	5208.6	5740.6	5278.7
642.1	42.5°	669.3	669.3	666.4	680.8	727.9	923.9	2771.6	5444.6	6123.9	5590.4
599.2	45°	627.8	626.4	620.7	633.6	692.2	863.8	2705.8	5885.1	6690.2	6095.3
556.3	47.5°	587.8	586.4	572.1	583.5	649.3	809.5	2951.8	6605.8	7475.4	6837.5
522.0	50°	552.0	553.5	526.3	536.3	606.4	768.0	3485.3	7541.2	8518.0	7837.2
493.4	52.5°	519.1	519.1	483.4	489.1	553.5	730.8	3993.0	8555.1	9893.8	9231.6
463.4	55°	486.3	483.4	443.3	446.2	500.6	677.9	4068.8	9544.8	11770.1	11329.6
430.5	57.5°	449.1	443.3	406.2	406.2	451.9	639.3	3526.7	10305.6	14098.4	14413.0
369.0	60°	403.3	399.0	374.7	367.5	413.3	673.6	2488.5	10394.3	15600.0	18513.3
293.2	62.5°	344.7	350.4	337.5	327.5	376.1	699.3	1474.5	9680.7	15236.8	19817.5
227.4	65°	271.7	294.6	291.8	284.6	413.3	589.2	871.0	8310.6	14122.7	18765.0
198.8	67.5°	231.7	247.4	243.1	243.1	433.3	447.6	547.7	6492.9	12589.6	17516.4
165.9	70°	197.4	213.1	197.4	197.4	327.5	271.7	379.0	4533.6	10934.9	16134.9
133.0	72.5°	163.0	178.8	161.6	150.2	261.7	203.1	277.4	2833.1	9364.6	14696.2
94.4	75°	124.4	143.0	130.1	115.8	173.0	151.6	210.2	1646.1	7758.5	12573.9
57.2	77.5°	78.7	103.0	97.3	81.5	127.3	110.1	151.6	979.7	5986.6	9825.1
34.3	80°	48.6	52.9	54.3	51.5	72.9	74.4	103.0	557.8	4097.4	6847.5
21.5	82.5°	31.5	31.5	24.3	27.2	35.8	42.9	58.6	210.2	2408.4	4168.9
12.9	85°	22.9	20.0	12.9	12.9	17.2	21.5	22.9	64.4	976.8	1646.1
5.7	87.5°	11.4	10.0	4.3	5.7	8.6	7.2	5.7	2.9	246.0	526.3
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: P952044
 CATALOG NUMBER: GALN-SB6A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2874.6	0°	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6	2874.6
3299.3	2.5°	3328.0	3372.3	3375.1	3375.1	3336.5	3335.1	3256.4	3247.9
3785.6	5°	3918.6	3947.2	3954.4	3940.1	3862.8	3805.6	3652.6	3619.7
4281.9	7.5°	4459.2	4516.4	4516.4	4482.1	4356.2	4239.0	4017.3	3934.3
4692.3	10°	4891.1	4956.9	4942.6	4872.5	4713.8	4552.2	4283.3	4174.6
4941.2	12.5°	5101.3	5168.6	5131.4	5051.3	4896.8	4726.6	4443.5	4320.5
5012.7	15°	5097.0	5078.5	5039.8	5029.8	4955.5	4826.7	4562.2	4427.7
4968.3	17.5°	4915.4	4758.1	4728.1	4828.2	4922.6	4891.1	4665.1	4539.3
4862.5	20°	4628.0	4353.4	4326.2	4517.8	4786.7	4924.0	4761.0	4645.1
4709.5	22.5°	4324.8	4028.7	3965.8	4177.5	4582.2	4934.0	4882.5	4766.7
4540.7	25°	4037.3	3739.8	3676.9	3874.3	4354.8	4916.8	5014.1	4915.4
4379.1	27.5°	3797.0	3509.6	3450.9	3648.3	4136.0	4868.2	5145.7	5075.6
4218.9	30°	3611.1	3345.1	3302.2	3492.4	3947.2	4808.2	5313.0	5274.4
4070.2	32.5°	3502.4	3307.9	3323.7	3479.5	3845.7	4742.4	5473.2	5491.8
3997.3	35°	3609.7	3618.3	3755.6	3819.9	3940.1	4732.4	5690.6	5763.5
4084.5	37.5°	4143.1	4440.6	4725.2	4672.3	4402.0	4848.2	6015.2	6151.1
4464.9	40°	5051.3	5662.0	6123.9	5922.2	5241.5	5202.9	6482.9	6685.9
5139.9	42.5°	6161.1	7196.5	7957.3	7416.7	6324.1	5823.6	7150.7	7409.6
5956.6	45°	7332.4	9088.6	10287.0	9163.0	7478.2	6693.1	8161.8	8364.9
6721.7	47.5°	8566.6	11388.3	12938.5	11099.4	8548.0	7682.8	9540.5	9587.7
7446.8	50°	9916.6	13909.6	15641.5	13034.4	9580.6	8816.9	11225.2	11170.9
8292.0	52.5°	11202.3	16502.5	18287.3	14977.9	10487.3	10224.1	13180.2	13068.7
9447.6	55°	12429.4	19093.9	20948.8	16845.7	11342.5	12083.3	15502.8	14827.8
11113.7	57.5°	13852.4	21423.6	23691.8	18722.1	12538.1	14497.4	18099.9	15848.9
14304.3	60°	15956.2	24070.8	26793.8	21293.5	14812.0	17034.5	19031.0	15654.4
18125.7	62.5°	18642.0	26504.9	29049.1	23813.4	17096.0	17512.2	17659.5	14155.6
17346.3	65°	19164.0	27121.3	29176.4	24487.0	16801.4	14854.9	14417.3	11378.3
15494.2	67.5°	17779.6	26007.2	27397.3	23232.7	14862.1	11479.8	10819.1	8254.8
14278.6	70°	16226.4	23883.5	24296.8	21100.4	13071.5	8443.6	7306.6	5297.3
13446.2	72.5°	14634.7	21050.3	20195.1	18324.5	11488.4	6148.2	5270.1	3765.6
12260.7	75°	12744.0	17324.8	15907.5	15225.3	9511.9	4825.3	3812.8	2598.6
10545.9	77.5°	10205.5	12194.9	11815.9	11801.6	7147.9	3525.3	2544.2	1628.9
8239.1	80°	7199.4	7914.4	7721.4	8888.4	4795.3	2557.1	1531.7	906.7
5734.9	82.5°	3485.3	4376.3	4492.1	5293.0	2332.6	1504.5	353.2	197.4
2242.5	85°	1364.4	2110.9	1780.5	2009.4	655.0	419.0	8.6	0.0
369.0	87.5°	153.0	244.6	224.5	177.3	80.1	17.2	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)