

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: P952042

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952042
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-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA 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: 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

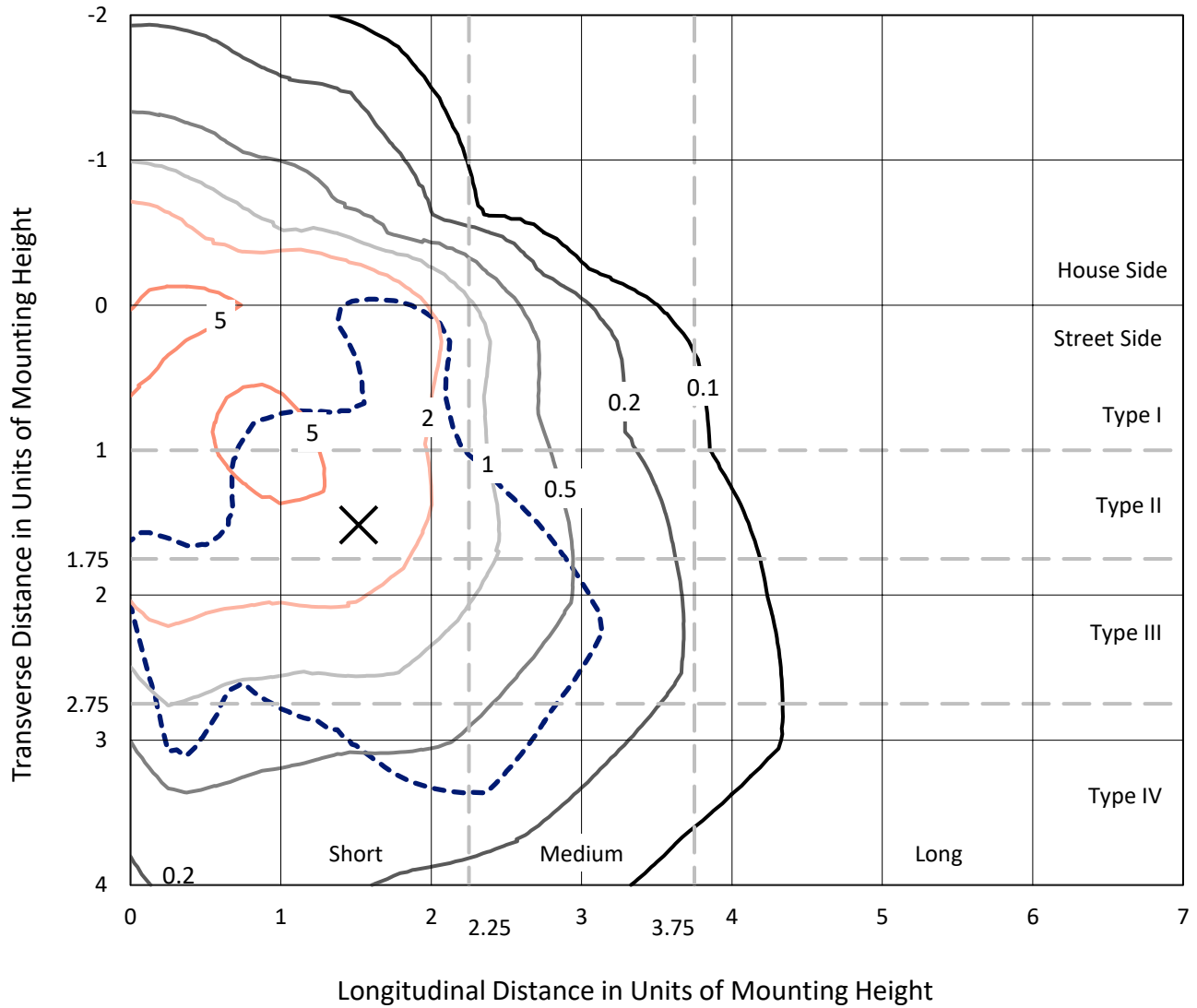
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952042
 CATALOG NUMBER: GALN-SB6A-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

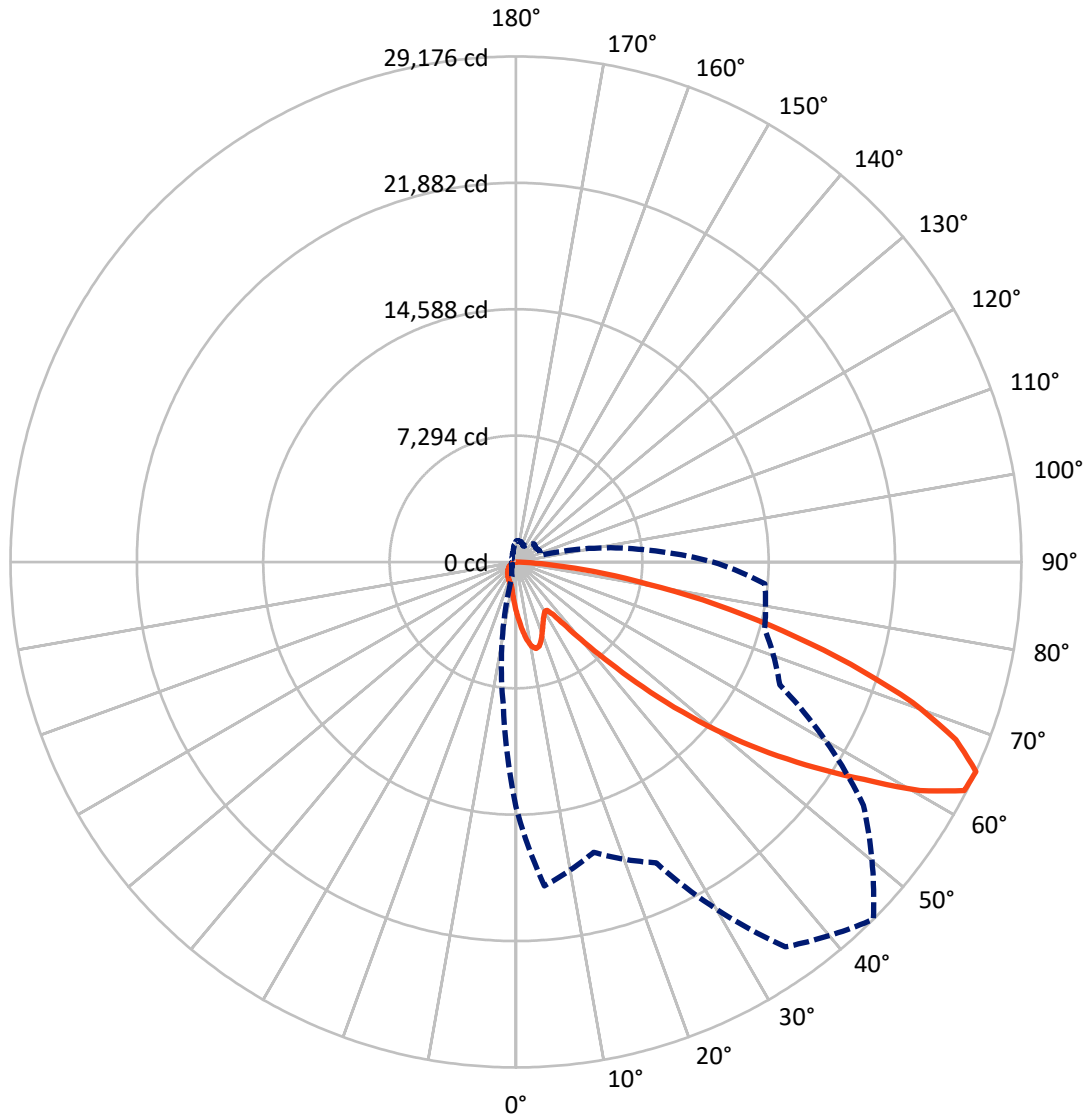
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P952042
CATALOG NUMBER: GALN-SB6A-735-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952042
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4126.5	0.0	4126.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	16633.6	0.0	16633.6
	% Fixture	80.1	0.0	80.1
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: P952042

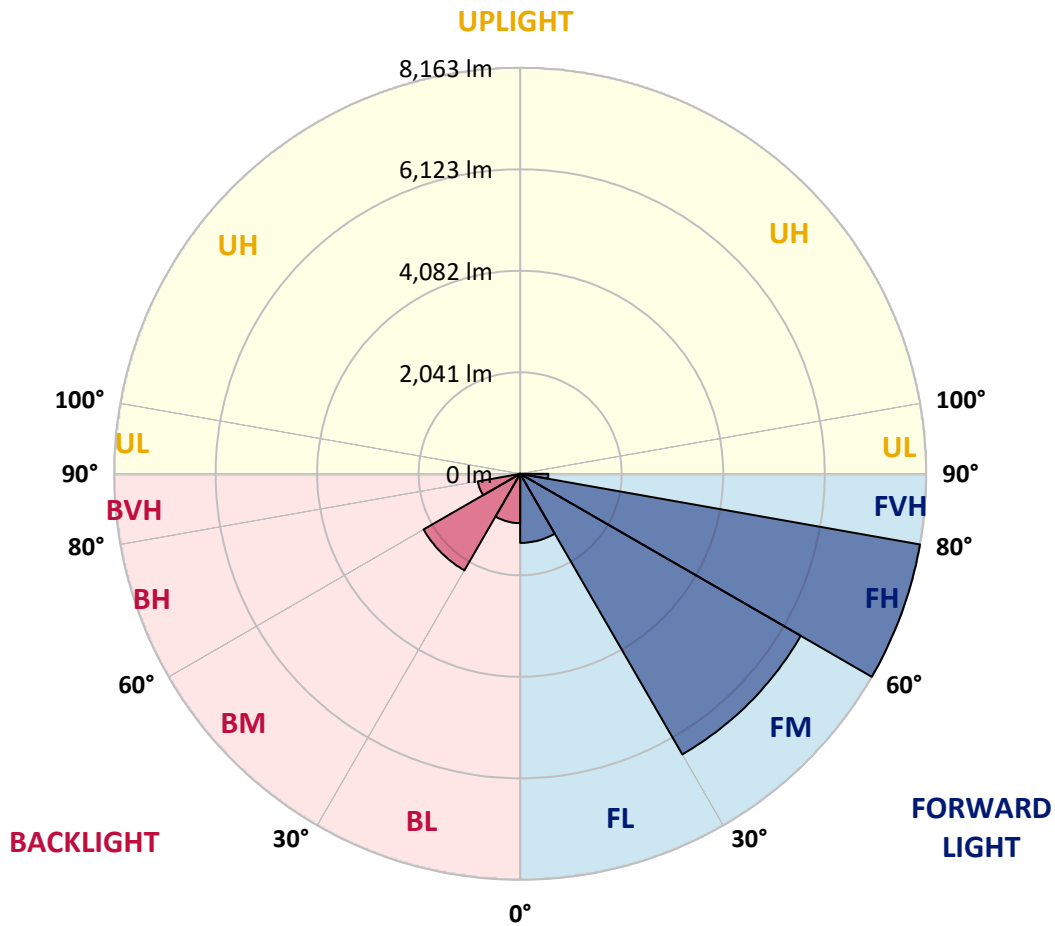
CATALOG NUMBER: GALN-SB6A-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1389.1	6.7			
FM (30°-60°)	6514.7	31.4			
FH (60°-80°)	8163.5	39.3			G4/12000
FVH (80°-90°)	566.3	2.7			G4/750
BL (0°-30°)	992.2	4.8	B2/1000		
BM (30°-60°)	2241.9	10.8	B2/2500		
BH (60°-80°)	864.6	4.2	B2/1000		G2/1000
BVH (80°-90°)	27.8	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: P952042
 CATALOG NUMBER: GALN-SB6A-735-U-SLL-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°	3220.7	3245.0	3299.3	3328.0	3372.3	3375.1	3375.1	3336.5	3335.1	3256.4
5°	3599.7	3656.9	3785.6	3918.6	3947.2	3954.4	3940.1	3862.8	3805.6	3652.6
7.5°	3975.8	4085.9	4281.9	4459.2	4516.4	4516.4	4482.1	4356.2	4239.0	4017.3
10°	4287.6	4426.3	4692.3	4891.1	4956.9	4942.6	4872.5	4713.8	4552.2	4283.3
12.5°	4493.5	4649.4	4941.2	5101.3	5168.6	5131.4	5051.3	4896.8	4726.6	4443.5
15°	4596.5	4759.5	5012.7	5097.0	5078.5	5039.8	5029.8	4955.5	4826.7	4562.2
17.5°	4640.8	4792.4	4968.3	4915.4	4758.1	4728.1	4828.2	4922.6	4891.1	4665.1
20°	4682.3	4809.6	4862.5	4628.0	4353.4	4326.2	4517.8	4786.7	4924.0	4761.0
22.5°	4739.5	4818.2	4709.5	4324.8	4028.7	3965.8	4177.5	4582.2	4934.0	4882.5
25°	4818.2	4839.6	4540.7	4037.3	3739.8	3676.9	3874.3	4354.8	4916.8	5014.1
27.5°	4912.6	4868.2	4379.1	3797.0	3509.6	3450.9	3648.3	4136.0	4868.2	5145.7
30°	5035.5	4905.4	4218.9	3611.1	3345.1	3302.2	3492.4	3947.2	4808.2	5313.0
32.5°	5160.0	4921.1	4070.2	3502.4	3307.9	3323.7	3479.5	3845.7	4742.4	5473.2
35°	5294.4	4971.2	3997.3	3609.7	3618.3	3755.6	3819.9	3940.1	4732.4	5690.6
37.5°	5477.5	5082.7	4084.5	4143.1	4440.6	4725.2	4672.3	4402.0	4848.2	6015.2
40°	5740.6	5278.7	4464.9	5051.3	5662.0	6123.9	5922.2	5241.5	5202.9	6482.9
42.5°	6123.9	5590.4	5139.9	6161.1	7196.5	7957.3	7416.7	6324.1	5823.6	7150.7
45°	6690.2	6095.3	5956.6	7332.4	9088.6	10287.0	9163.0	7478.2	6693.1	8161.8
47.5°	7475.4	6837.5	6721.7	8566.6	11388.3	12938.5	11099.4	8548.0	7682.8	9540.5
50°	8518.0	7837.2	7446.8	9916.6	13909.6	15641.5	13034.4	9580.6	8816.9	11225.2
52.5°	9893.8	9231.6	8292.0	11202.3	16502.5	18287.3	14977.9	10487.3	10224.1	13180.2
55°	11770.1	11329.6	9447.6	12429.4	19093.9	20948.8	16845.7	11342.5	12083.3	15502.8
57.5°	14098.4	14413.0	11113.7	13852.4	21423.6	23691.8	18722.1	12538.1	14497.4	18099.9
60°	15600.0	18513.3	14304.3	15956.2	24070.8	26793.8	21293.5	14812.0	17034.5	19031.0
62.5°	15236.8	19817.5	18125.7	18642.0	26504.9	29049.1	23813.4	17096.0	17512.2	17659.5
65°	14122.7	18765.0	17346.3	19164.0	27121.3	29176.4	24487.0	16801.4	14854.9	14417.3
67.5°	12589.6	17516.4	15494.2	17779.6	26007.2	27397.3	23232.7	14862.1	11479.8	10819.1
70°	10934.9	16134.9	14278.6	16226.4	23883.5	24296.8	21100.4	13071.5	8443.6	7306.6
72.5°	9364.6	14696.2	13446.2	14634.7	21050.3	20195.1	18324.5	11488.4	6148.2	5270.1
75°	7758.5	12573.9	12260.7	12744.0	17324.8	15907.5	15225.3	9511.9	4825.3	3812.8
77.5°	5986.6	9825.1	10545.9	10205.5	12194.9	11815.9	11801.6	7147.9	3525.3	2544.2
80°	4097.4	6847.5	8239.1	7199.4	7914.4	7721.4	8888.4	4795.3	2557.1	1531.7
82.5°	2408.4	4168.9	5734.9	3485.3	4376.3	4492.1	5293.0	2332.6	1504.5	353.2
85°	976.8	1646.1	2242.5	1364.4	2110.9	1780.5	2009.4	655.0	419.0	8.6
87.5°	246.0	526.3	369.0	153.0	244.6	224.5	177.3	80.1	17.2	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: P952042
 CATALOG NUMBER: GALN-SB6A-735-U-SLL-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
3247.9	2.5°	3192.1	3159.2	3077.7	2996.2	2930.4	2841.7	2783.1	2713.0	2645.8	2585.7
3619.7	5°	3529.6	3420.9	3272.2	3136.3	2997.6	2863.2	2730.2	2590.0	2461.3	2382.6
3934.3	7.5°	3804.2	3612.6	3415.2	3242.1	3074.8	2917.5	2741.6	2571.4	2369.8	2262.5
4174.6	10°	4008.7	3757.0	3498.1	3299.3	3130.6	2977.6	2828.8	2657.2	2414.1	2279.7
4320.5	12.5°	4143.1	3844.2	3541.0	3313.7	3124.9	3006.2	2940.4	2873.2	2631.5	2474.2
4427.7	15°	4236.1	3905.7	3571.1	3280.8	3049.1	2961.8	3027.6	3104.8	2950.4	2768.8
4539.3	17.5°	4337.6	3985.8	3583.9	3192.1	2901.8	2864.6	3034.8	3213.5	3206.4	3026.2
4645.1	20°	4444.9	4055.9	3575.4	3049.1	2723.0	2755.9	2973.3	3180.6	3267.9	3170.6
4766.7	22.5°	4555.0	4123.1	3542.5	2863.2	2555.7	2658.6	2876.0	3057.7	3160.6	3130.6
4915.4	25°	4693.7	4217.5	3493.8	2662.9	2416.9	2560.0	2763.0	2910.3	2981.9	2980.4
5075.6	27.5°	4859.6	4343.4	3468.1	2501.3	2318.3	2448.4	2628.6	2760.2	2810.2	2810.2
5274.4	30°	5052.7	4492.1	3439.5	2395.5	2261.1	2332.6	2472.7	2601.4	2651.5	2651.5
5491.8	32.5°	5267.2	4635.1	3370.9	2331.1	2218.2	2219.6	2308.3	2425.5	2485.6	2494.2
5763.5	35°	5524.7	4788.1	3220.7	2279.7	2168.1	2109.5	2152.4	2249.6	2321.1	2339.7
6151.1	37.5°	5862.2	4975.5	3006.2	2203.9	2090.9	1993.6	2003.6	2078.0	2156.7	2185.3
6685.9	40°	6315.5	5195.7	2783.1	2095.2	1982.2	1866.3	1862.1	1916.4	1993.6	2025.1
7409.6	42.5°	6914.8	5460.3	2570.0	1990.8	1850.6	1731.9	1724.8	1767.7	1834.9	1867.8
8364.9	45°	7681.3	5784.9	2386.9	1909.2	1721.9	1604.6	1601.8	1637.5	1696.2	1730.5
9587.7	47.5°	8746.8	6109.6	2262.5	1866.3	1620.4	1500.2	1505.9	1537.4	1590.3	1614.6
11170.9	50°	10135.5	6208.3	2199.6	1866.3	1566.0	1407.3	1435.9	1461.6	1501.7	1516.0
13068.7	52.5°	11468.3	5882.2	2142.4	1877.8	1573.2	1328.6	1390.1	1408.7	1443.0	1448.7
14827.8	55°	12121.9	5057.0	2063.7	1880.6	1617.5	1261.4	1352.9	1387.2	1400.1	1398.7
15848.9	57.5°	11897.4	4088.8	1930.7	1869.2	1647.5	1218.5	1307.2	1372.9	1381.5	1368.7
15654.4	60°	11109.4	3010.5	1829.2	1784.8	1636.1	1205.6	1237.1	1341.5	1354.3	1337.2
14155.6	62.5°	9787.9	2089.4	1750.5	1598.9	1586.0	1201.3	1127.0	1272.8	1304.3	1280.0
11378.3	65°	7705.6	1475.9	1507.4	1401.5	1477.3	1178.4	1012.5	1189.9	1232.8	1195.6
8254.8	67.5°	5214.3	1065.5	1221.3	1270.0	1301.4	1127.0	929.6	1095.5	1152.7	1104.1
5297.3	70°	2816.0	748.0	806.6	1069.8	1105.5	1038.3	855.2	999.7	1065.5	1012.5
3765.6	72.5°	1663.3	537.7	564.9	859.5	921.0	913.9	772.3	888.1	968.2	905.3
2598.6	75°	916.7	363.3	403.3	623.5	748.0	705.1	663.6	752.3	833.8	772.3
1628.9	77.5°	410.5	217.4	280.3	409.0	587.8	483.4	513.4	586.4	662.2	597.8
906.7	80°	158.7	121.6	185.9	223.1	427.6	267.4	330.4	431.9	486.3	434.8
197.4	82.5°	20.0	54.3	80.1	87.2	248.8	141.6	191.6	271.7	267.4	231.7
0.0	85°	0.0	10.0	11.4	5.7	107.3	51.5	62.9	88.7	82.9	62.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P952042
 CATALOG NUMBER: GALN-SB6A-735-U-SLL-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
2574.3	2.5°	2504.2	2452.7	2427.0	2405.5	2425.5	2437.0	2437.0	2485.6	2514.2	2525.6
2332.6	5°	2206.7	2110.9	2046.5	2007.9	2020.8	2035.1	2050.8	2112.3	2153.8	2181.0
2165.2	7.5°	1972.2	1826.3	1736.2	1689.0	1696.2	1706.2	1719.0	1779.1	1820.6	1856.3
2133.8	10°	1856.3	1650.4	1531.7	1474.5	1464.5	1458.8	1454.5	1490.2	1521.7	1550.3
2262.5	12.5°	1862.1	1574.6	1430.1	1360.1	1330.0	1295.7	1268.5	1274.3	1294.3	1330.0
2492.7	15°	1935.0	1550.3	1377.2	1290.0	1239.9	1199.9	1167.0	1159.8	1167.0	1172.7
2755.9	17.5°	2033.7	1547.4	1331.5	1222.8	1171.3	1138.4	1108.4	1098.4	1099.8	1106.9
2930.4	20°	2112.3	1538.8	1280.0	1158.4	1112.7	1084.1	1054.0	1044.0	1046.9	1048.3
2947.5	22.5°	2153.8	1526.0	1222.8	1094.1	1055.4	1026.8	999.7	998.2	998.2	1006.8
2854.6	25°	2153.8	1498.8	1171.3	1032.6	998.2	972.5	939.6	945.3	948.2	959.6
2710.1	27.5°	2102.3	1447.3	1129.8	979.7	943.9	918.2	888.1	895.3	899.6	912.4
2567.1	30°	2036.5	1385.8	1082.6	929.6	888.1	869.5	843.8	846.6	852.4	866.7
2434.1	32.5°	1966.5	1312.9	1044.0	879.5	838.1	823.8	795.2	799.5	805.2	820.9
2302.5	35°	1889.2	1227.1	998.2	833.8	792.3	780.9	748.0	750.8	759.4	776.6
2161.0	37.5°	1807.7	1157.0	952.5	789.4	746.5	735.1	700.8	703.6	713.6	733.7
2012.2	40°	1727.6	1088.3	903.9	742.2	699.3	689.3	652.1	655.0	666.4	687.9
1862.1	42.5°	1640.4	1035.4	840.9	693.6	647.9	637.8	603.5	607.8	620.7	642.1
1723.3	45°	1536.0	1001.1	770.8	647.9	596.4	586.4	554.9	563.5	577.8	599.2
1604.6	47.5°	1428.7	986.8	712.2	599.2	543.5	534.9	509.1	523.4	539.2	556.3
1503.1	50°	1325.7	968.2	652.1	553.5	497.7	489.1	471.9	490.5	506.3	522.0
1430.1	52.5°	1208.5	928.2	597.8	513.4	459.1	456.2	447.6	464.8	479.1	493.4
1367.2	55°	1086.9	863.8	550.6	477.7	426.2	429.0	424.8	439.1	450.5	463.4
1310.0	57.5°	981.1	782.3	513.4	439.1	397.6	406.2	400.4	407.6	414.7	430.5
1241.4	60°	873.8	685.0	471.9	393.3	369.0	379.0	363.3	361.8	364.7	369.0
1139.8	62.5°	729.4	583.5	420.5	353.2	337.5	341.8	311.8	288.9	288.9	293.2
998.2	65°	586.4	489.1	363.3	307.5	294.6	291.8	248.8	217.4	214.5	227.4
833.8	67.5°	482.0	406.2	306.1	256.0	247.4	250.3	218.8	187.3	184.5	198.8
679.3	70°	399.0	327.5	244.6	197.4	205.9	218.8	187.3	157.3	153.0	165.9
552.0	72.5°	317.5	256.0	187.3	145.9	170.2	185.9	153.0	124.4	121.6	133.0
426.2	75°	233.1	183.1	127.3	105.8	131.6	145.9	111.6	88.7	84.4	94.4
284.6	77.5°	144.4	103.0	80.1	62.9	90.1	97.3	58.6	51.5	50.1	57.2
173.0	80°	67.2	44.3	38.6	21.5	32.9	38.6	24.3	27.2	28.6	34.3
87.2	82.5°	18.6	7.2	1.4	0.0	0.0	11.4	5.7	11.4	14.3	21.5
7.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.2	12.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
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: P952042
 CATALOG NUMBER: GALN-SB6A-735-U-SLL-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
2605.7	2.5°	2665.8	2723.0	2814.5	2908.9	3001.9	3096.3	3187.8	3220.7
2305.4	5°	2418.4	2550.0	2731.6	2926.1	3126.3	3329.4	3515.3	3599.7
1995.1	7.5°	2142.4	2331.1	2604.3	2908.9	3227.8	3546.8	3839.9	3975.8
1687.6	10°	1847.8	2086.6	2398.4	2810.2	3267.9	3708.4	4111.7	4287.6
1417.3	12.5°	1567.4	1817.7	2162.4	2655.8	3236.4	3801.3	4286.2	4493.5
1227.1	15°	1332.9	1554.6	1926.4	2472.7	3134.9	3807.1	4369.1	4596.5
1121.2	17.5°	1157.0	1301.4	1686.1	2269.6	3001.9	3754.1	4397.7	4640.8
1064.0	20°	1069.8	1109.8	1374.4	2009.4	2877.5	3704.1	4426.3	4682.3
1018.3	22.5°	1018.3	1028.3	1124.1	1673.3	2728.7	3688.3	4476.4	4739.5
976.8	25°	976.8	979.7	1005.4	1325.7	2501.3	3678.3	4553.6	4818.2
933.9	27.5°	935.3	935.3	949.6	1068.3	2192.4	3635.4	4653.7	4912.6
891.0	30°	893.8	893.8	903.9	945.3	1830.6	3551.1	4773.8	5035.5
848.1	32.5°	850.9	850.9	859.5	889.6	1461.6	3445.2	4884.0	5160.0
803.7	35°	808.0	805.2	816.6	848.1	1162.7	3310.8	4994.1	5294.4
759.4	37.5°	762.3	760.8	772.3	808.0	1004.0	3154.9	5077.0	5477.5
715.1	40°	713.6	713.6	726.5	765.1	958.2	2959.0	5208.6	5740.6
669.3	42.5°	669.3	666.4	680.8	727.9	923.9	2771.6	5444.6	6123.9
627.8	45°	626.4	620.7	633.6	692.2	863.8	2705.8	5885.1	6690.2
587.8	47.5°	586.4	572.1	583.5	649.3	809.5	2951.8	6605.8	7475.4
552.0	50°	553.5	526.3	536.3	606.4	768.0	3485.3	7541.2	8518.0
519.1	52.5°	519.1	483.4	489.1	553.5	730.8	3993.0	8555.1	9893.8
486.3	55°	483.4	443.3	446.2	500.6	677.9	4068.8	9544.8	11770.1
449.1	57.5°	443.3	406.2	406.2	451.9	639.3	3526.7	10305.6	14098.4
403.3	60°	399.0	374.7	367.5	413.3	673.6	2488.5	10394.3	15600.0
344.7	62.5°	350.4	337.5	327.5	376.1	699.3	1474.5	9680.7	15236.8
271.7	65°	294.6	291.8	284.6	413.3	589.2	871.0	8310.6	14122.7
231.7	67.5°	247.4	243.1	243.1	433.3	447.6	547.7	6492.9	12589.6
197.4	70°	213.1	197.4	197.4	327.5	271.7	379.0	4533.6	10934.9
163.0	72.5°	178.8	161.6	150.2	261.7	203.1	277.4	2833.1	9364.6
124.4	75°	143.0	130.1	115.8	173.0	151.6	210.2	1646.1	7758.5
78.7	77.5°	103.0	97.3	81.5	127.3	110.1	151.6	979.7	5986.6
48.6	80°	52.9	54.3	51.5	72.9	74.4	103.0	557.8	4097.4
31.5	82.5°	31.5	24.3	27.2	35.8	42.9	58.6	210.2	2408.4
22.9	85°	20.0	12.9	12.9	17.2	21.5	22.9	64.4	976.8
11.4	87.5°	10.0	4.3	5.7	8.6	7.2	5.7	2.9	246.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)