

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: P953113

Luminaire Tested: **GALN-SB6D-735-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953113
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-SB6D-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA 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: 47095 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

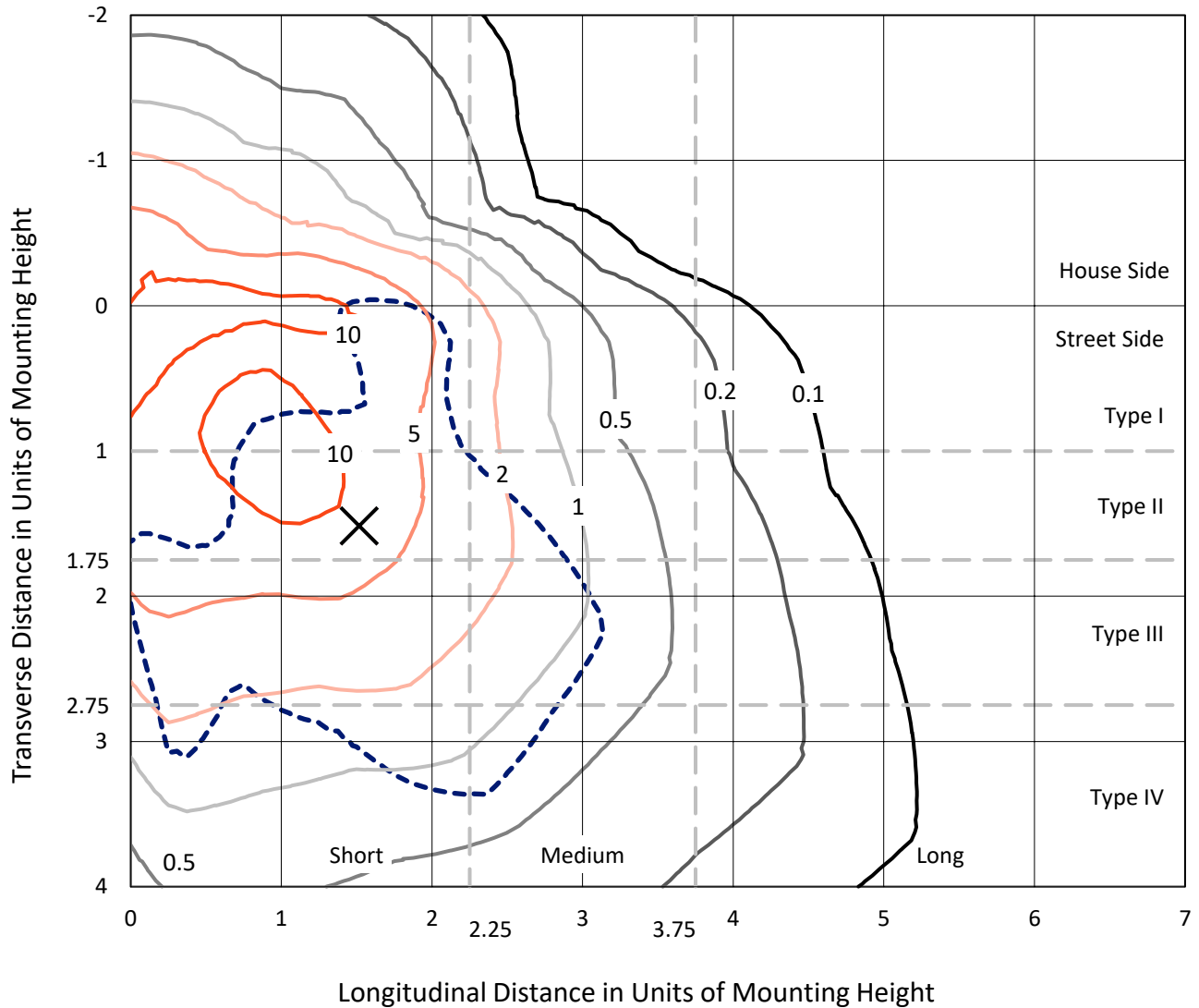
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953113
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Iso-Footcandle Lines of Horizontal Illumination

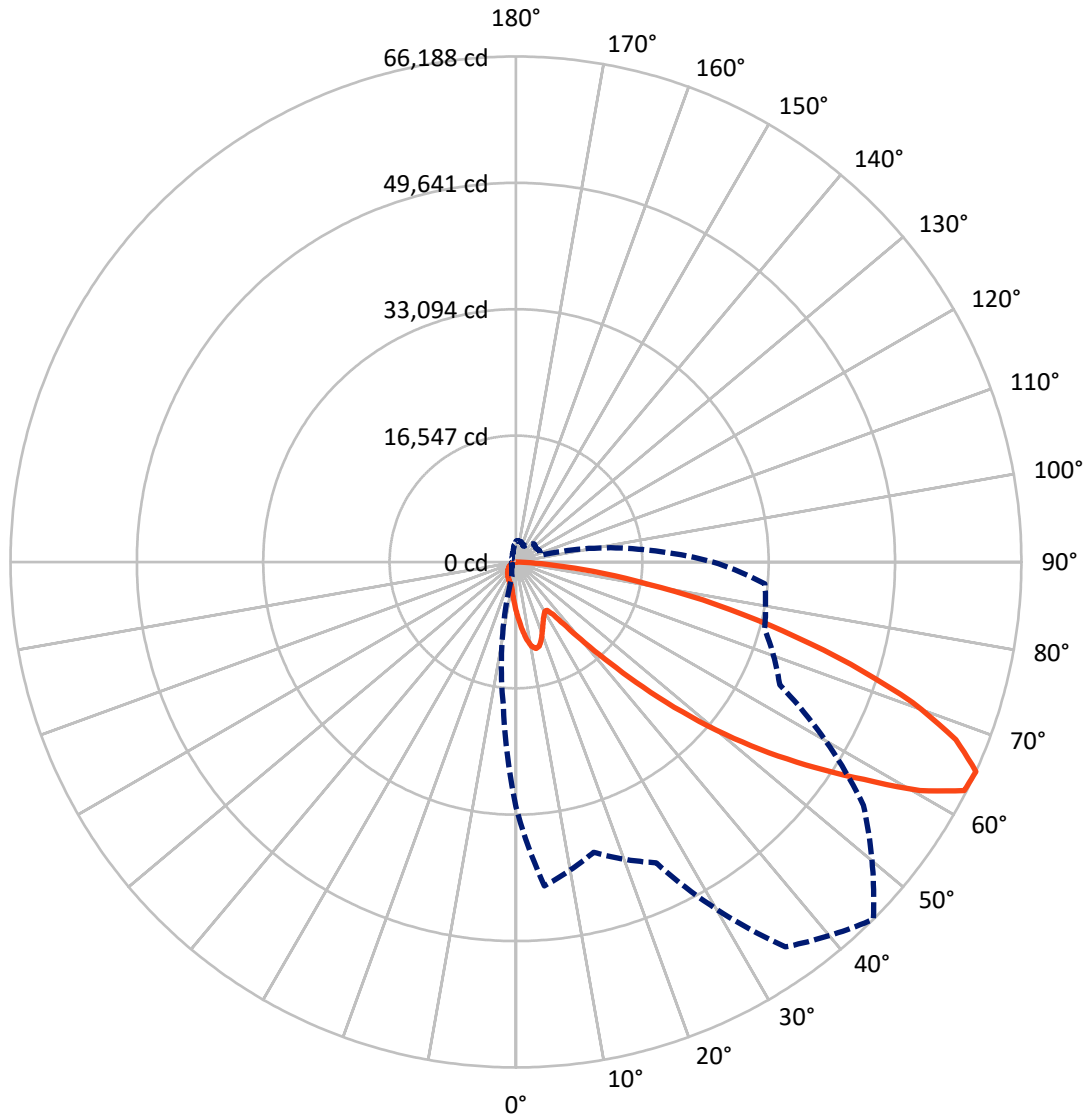
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P953113
CATALOG NUMBER: GALN-SB6D-735-U-SLL-HSS

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9361.0	0.0	9361.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	37734.0	0.0	37734.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	47095.0	0.0	47095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.0	1.4
10°-20°	1924.6	4.1
20°-30°	2835.3	6.0
30°-40°	3642.7	7.7
40°-50°	5891.3	12.5
50°-60°	10330.9	21.9
60°-70°	12926.7	27.4
70°-80°	7553.8	16.0
80°-90°	1347.7	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°	47095.0	100.0
0°-180°	47095.0	100.0

Coefficient of Utilization



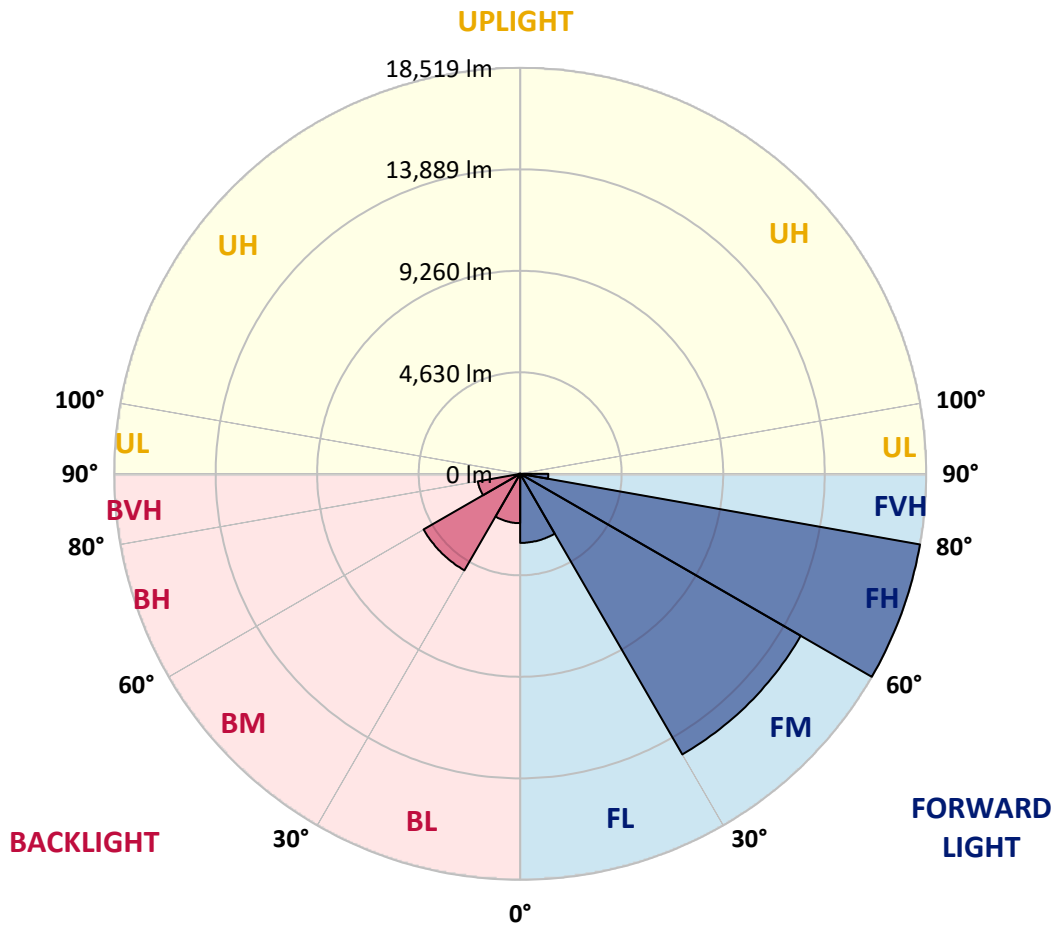
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3151.2	6.7			
FM (30°-60°)	14779.0	31.4			
FH (60°-80°)	18519.2	39.3			G5
FVH (80°-90°)	1284.6	2.7			G5
BL (0°-30°)	2250.8	4.8	B3/2500		
BM (30°-60°)	5085.8	10.8	B4/8500		
BH (60°-80°)	1961.3	4.2	B3/2500		G3/2500
BVH (80°-90°)	63.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



REPORT NUMBER: P953113
 CATALOG NUMBER: GALN-SB6D-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2
2.5°	7306.3	7361.4	7484.7	7549.6	7650.2	7656.7	7656.7	7569.1	7565.8	7387.4
5°	8166.0	8295.8	8587.8	8889.5	8954.4	8970.6	8938.2	8763.0	8633.2	8286.1
7.5°	9019.3	9269.1	9713.6	10115.9	10245.7	10245.7	10167.8	9882.3	9616.3	9113.4
10°	9726.6	10041.3	10644.7	11095.7	11244.9	11212.5	11053.5	10693.4	10326.8	9716.8
12.5°	10193.8	10547.4	11209.2	11572.6	11725.1	11640.7	11459.1	11108.7	10722.6	10080.2
15°	10427.4	10797.2	11371.5	11562.9	11520.7	11433.1	11410.4	11241.7	10949.7	10349.5
17.5°	10527.9	10871.8	11270.9	11150.8	10794.0	10725.8	10952.9	11167.1	11095.7	10583.1
20°	10622.0	10910.8	11030.8	10498.7	9875.8	9814.2	10248.9	10858.9	11170.3	10800.5
22.5°	10751.8	10930.2	10683.7	9810.9	9139.3	8996.6	9476.8	10394.9	11193.0	11076.2
25°	10930.2	10978.9	10300.8	9158.8	8484.0	8341.2	8789.0	9879.1	11154.1	11374.7
27.5°	11144.4	11043.8	9934.2	8613.8	7961.6	7828.6	8276.3	9382.7	11043.8	11673.2
30°	11423.4	11128.1	9570.8	8192.0	7588.5	7491.2	7922.7	8954.4	10907.5	12052.8
32.5°	11705.6	11163.8	9233.4	7945.4	7504.2	7539.9	7893.5	8724.1	10758.3	12416.1
35°	12010.6	11277.4	9068.0	8188.7	8208.2	8519.7	8665.7	8938.2	10735.6	12909.3
37.5°	12425.9	11530.4	9265.9	9398.9	10073.7	10719.3	10599.3	9986.1	10998.4	13645.8
40°	13022.8	11974.9	10128.9	11459.1	12844.4	13892.3	13434.9	11890.6	11803.0	14706.7
42.5°	13892.3	12682.2	11660.2	13976.7	16325.6	18051.6	16825.2	14346.5	13211.0	16221.8
45°	15177.1	13827.4	13512.7	16633.8	20617.9	23336.6	20786.6	16964.7	15183.6	18515.5
47.5°	16958.2	15511.3	15248.5	19433.7	25834.8	29351.7	25179.4	19391.5	17428.7	21643.1
50°	19323.4	17779.1	16893.3	22496.3	31554.6	35483.5	29569.0	21733.9	20001.4	25464.9
52.5°	22444.4	20942.3	18810.8	25413.0	37436.6	41485.5	33978.1	23790.8	23193.9	29900.0
55°	26701.0	25701.8	21432.2	28196.7	43315.4	47523.3	38215.2	25731.0	27411.5	35168.8
57.5°	31982.8	32696.6	25211.9	31424.8	48600.4	53746.0	42471.8	28443.2	32888.0	41060.5
60°	35389.4	41998.2	32450.0	36197.3	54605.7	60783.0	48305.2	33601.8	38643.5	43172.6
62.5°	34565.3	44957.0	41118.9	42290.1	60127.6	65899.3	54021.7	38783.0	39727.1	40061.3
65°	32038.0	42569.2	39350.8	43474.3	61525.9	66188.1	55549.8	38114.7	33699.1	32706.3
67.5°	28560.0	39736.8	35149.3	40333.8	58998.6	62152.1	52704.5	33715.3	26042.4	24543.5
70°	24806.3	36602.8	32391.6	36810.4	54180.7	55118.3	47867.2	29653.4	19154.7	16575.4
72.5°	21244.0	33339.0	30503.4	33199.5	47753.6	45813.5	41569.9	26061.9	13947.5	11955.4
75°	17600.6	28524.4	27813.8	28910.4	39302.1	36086.9	34539.4	21578.2	10946.4	8649.4
77.5°	13580.9	22288.7	23923.9	23151.7	27664.6	26804.8	26772.4	16215.3	7997.3	5771.7
80°	9295.1	15534.0	18690.7	16332.1	17954.3	17516.3	20163.7	10878.3	5800.9	3474.7
82.5°	5463.5	9457.3	13009.9	7906.5	9927.7	10190.5	12007.4	5291.5	3413.1	801.4
85°	2215.9	3734.3	5087.1	3095.1	4788.7	4039.2	4558.3	1485.9	950.6	19.5
87.5°	558.0	1193.9	837.0	347.1	554.8	509.4	402.3	181.7	38.9	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: P953113
 CATALOG NUMBER: GALN-SB6D-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
6521.2	0°	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2
7367.9	2.5°	7241.4	7166.8	6981.8	6796.9	6647.7	6446.5	6313.5	6154.5	6002.1	5865.8
8211.5	5°	8007.1	7760.5	7423.1	7114.9	6800.2	6495.2	6193.5	5875.5	5583.5	5405.1
8925.2	7.5°	8630.0	8195.2	7747.5	7354.9	6975.4	6618.5	6219.4	5833.3	5375.9	5132.6
9470.3	10°	9093.9	8522.9	7935.7	7484.7	7101.9	6754.7	6417.3	6028.0	5476.5	5171.5
9801.2	12.5°	9398.9	8720.8	8033.0	7517.2	7088.9	6819.6	6670.4	6517.9	5969.6	5612.7
10044.5	15°	9609.8	8860.3	8101.2	7442.5	6917.0	6719.1	6868.3	7043.5	6693.1	6281.1
10297.6	17.5°	9840.1	9042.0	8130.3	7241.4	6582.8	6498.4	6884.5	7290.1	7273.8	6865.1
10537.7	20°	10083.5	9201.0	8110.9	6917.0	6177.2	6251.9	6745.0	7215.4	7413.3	7192.7
10813.4	22.5°	10333.3	9353.5	8036.3	6495.2	5797.7	6031.3	6524.4	6936.4	7170.0	7101.9
11150.8	25°	10648.0	9567.6	7926.0	6041.0	5483.0	5807.4	6268.1	6602.3	6764.5	6761.2
11514.2	27.5°	11024.3	9853.1	7867.6	5674.4	5259.1	5554.3	5963.1	6261.6	6375.2	6375.2
11965.2	30°	11462.3	10190.5	7802.7	5434.3	5129.3	5291.5	5609.5	5901.5	6015.0	6015.0
12458.3	32.5°	11949.0	10514.9	7646.9	5288.3	5032.0	5035.2	5236.4	5502.4	5638.7	5658.2
13074.7	35°	12532.9	10862.1	7306.3	5171.5	4918.4	4785.4	4882.8	5103.4	5265.6	5307.8
13954.0	37.5°	13298.6	11287.1	6819.6	4999.5	4743.2	4522.6	4545.3	4714.0	4892.5	4957.4
15167.4	40°	14327.1	11786.7	6313.5	4753.0	4496.7	4233.9	4224.1	4347.4	4522.6	4594.0
16809.0	42.5°	15686.4	12386.9	5830.1	4516.1	4198.2	3928.9	3912.7	4010.0	4162.5	4237.1
18976.2	45°	17425.4	13123.4	5414.8	4331.2	3906.2	3640.2	3633.7	3714.8	3847.8	3925.7
21750.1	47.5°	19842.5	13859.9	5132.6	4233.9	3675.9	3403.3	3416.3	3487.7	3607.7	3662.9
25341.6	50°	22992.7	14083.7	4989.8	4233.9	3552.6	3192.4	3257.3	3315.7	3406.6	3439.0
29646.9	52.5°	26016.5	13344.0	4860.0	4259.8	3568.8	3014.0	3153.5	3195.7	3273.6	3286.5
33637.5	55°	27499.1	11472.0	4681.6	4266.3	3669.4	2861.5	3069.2	3147.0	3176.2	3173.0
35953.9	57.5°	26989.8	9275.6	4379.9	4240.4	3737.5	2764.2	2965.3	3114.6	3134.0	3104.8
35512.7	60°	25202.1	6829.4	4149.5	4049.0	3711.5	2735.0	2806.4	3043.2	3072.4	3033.5
32112.6	62.5°	22204.4	4740.0	3971.1	3627.2	3598.0	2725.3	2556.6	2887.5	2958.9	2903.7
25812.1	65°	17480.6	3348.2	3419.5	3179.5	3351.4	2673.3	2297.0	2699.3	2796.6	2712.3
18726.4	67.5°	11828.9	2417.0	2770.7	2881.0	2952.4	2556.6	2108.8	2485.2	2614.9	2504.6
12017.1	70°	6388.1	1696.8	1829.8	2426.8	2507.9	2355.4	1940.1	2267.8	2417.0	2297.0
8542.4	72.5°	3773.2	1219.9	1281.5	1949.9	2089.4	2073.1	1752.0	2014.7	2196.4	2053.7
5895.0	75°	2079.6	824.1	914.9	1414.5	1696.8	1599.5	1505.4	1706.5	1891.5	1752.0
3695.3	77.5°	931.1	493.1	635.9	927.9	1333.4	1096.6	1164.7	1330.2	1502.1	1356.1
2056.9	80°	360.1	275.8	421.8	506.1	970.1	606.7	749.4	979.8	1103.1	986.3
447.7	82.5°	45.4	123.3	181.7	197.9	564.5	321.2	434.7	616.4	606.7	525.6
0.0	85°	0.0	22.7	26.0	13.0	243.3	116.8	142.8	201.1	188.2	142.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	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: P953113
 CATALOG NUMBER: GALN-SB6D-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
6521.2	0°	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2
5839.8	2.5°	5680.9	5564.1	5505.7	5457.0	5502.4	5528.4	5528.4	5638.7	5703.6	5729.5
5291.5	5°	5006.0	4788.7	4642.7	4555.1	4584.3	4616.7	4652.4	4791.9	4886.0	4947.6
4912.0	7.5°	4474.0	4143.0	3938.6	3831.6	3847.8	3870.5	3899.7	4036.0	4130.1	4211.2
4840.6	10°	4211.2	3744.0	3474.7	3344.9	3322.2	3309.2	3299.5	3380.6	3452.0	3516.9
5132.6	12.5°	4224.1	3572.0	3244.4	3085.4	3017.2	2939.4	2877.7	2890.7	2936.1	3017.2
5654.9	15°	4389.6	3516.9	3124.3	2926.4	2812.9	2722.0	2647.4	2631.2	2647.4	2660.4
6251.9	17.5°	4613.5	3510.4	3020.5	2773.9	2657.1	2582.5	2514.4	2491.7	2494.9	2511.1
6647.7	20°	4791.9	3490.9	2903.7	2627.9	2524.1	2459.2	2391.1	2368.4	2374.9	2378.1
6686.6	22.5°	4886.0	3461.7	2773.9	2481.9	2394.3	2329.4	2267.8	2264.6	2264.6	2284.0
6475.7	25°	4886.0	3400.1	2657.1	2342.4	2264.6	2206.2	2131.5	2144.5	2151.0	2177.0
6148.0	27.5°	4769.2	3283.3	2563.0	2222.4	2141.3	2082.9	2014.7	2031.0	2040.7	2069.9
5823.6	30°	4620.0	3143.8	2456.0	2108.8	2014.7	1972.6	1914.2	1920.7	1933.6	1966.1
5521.9	32.5°	4461.0	2978.3	2368.4	1995.3	1901.2	1868.7	1803.9	1813.6	1826.6	1862.3
5223.4	35°	4285.8	2783.7	2264.6	1891.5	1797.4	1771.4	1696.8	1703.3	1722.8	1761.7
4902.2	37.5°	4100.9	2624.7	2160.7	1790.9	1693.6	1667.6	1589.7	1596.2	1618.9	1664.4
4564.8	40°	3919.2	2469.0	2050.4	1683.8	1586.5	1563.8	1479.4	1485.9	1511.9	1560.5
4224.1	42.5°	3721.3	2348.9	1907.7	1573.5	1469.7	1447.0	1369.1	1378.9	1408.0	1456.7
3909.4	45°	3484.4	2271.0	1748.7	1469.7	1352.9	1330.2	1258.8	1278.3	1310.7	1359.4
3640.2	47.5°	3241.1	2238.6	1615.7	1359.4	1232.9	1213.4	1155.0	1187.4	1223.1	1262.1
3409.8	50°	3007.5	2196.4	1479.4	1255.6	1129.0	1109.6	1070.6	1112.8	1148.5	1184.2
3244.4	52.5°	2741.5	2105.6	1356.1	1164.7	1041.4	1034.9	1015.5	1054.4	1086.9	1119.3
3101.6	55°	2465.7	1959.6	1249.1	1083.6	966.8	973.3	963.6	996.0	1022.0	1051.2
2971.8	57.5°	2225.6	1774.7	1164.7	996.0	901.9	921.4	908.4	924.6	940.9	976.6
2816.1	60°	1982.3	1554.0	1070.6	892.2	837.0	859.8	824.1	820.8	827.3	837.0
2585.7	62.5°	1654.6	1323.7	953.8	801.4	765.7	775.4	707.3	655.4	655.4	665.1
2264.6	65°	1330.2	1109.6	824.1	697.5	668.3	661.8	564.5	493.1	486.7	515.9
1891.5	67.5°	1093.3	921.4	694.3	580.7	561.3	567.8	496.4	425.0	418.5	451.0
1541.1	70°	905.2	743.0	554.8	447.7	467.2	496.4	425.0	356.9	347.1	376.3
1252.3	72.5°	720.2	580.7	425.0	330.9	386.1	421.8	347.1	282.3	275.8	301.7
966.8	75°	528.8	415.3	288.7	240.1	298.5	330.9	253.1	201.1	191.4	214.1
645.6	77.5°	327.7	233.6	181.7	142.8	204.4	220.6	133.0	116.8	113.6	129.8
392.6	80°	152.5	100.6	87.6	48.7	74.6	87.6	55.2	61.6	64.9	77.9
197.9	82.5°	42.2	16.2	3.2	0.0	0.0	26.0	13.0	26.0	32.4	48.7
16.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	16.2	29.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0
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: P953113
 CATALOG NUMBER: GALN-SB6D-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
6521.2	0°	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2	6521.2
5911.2	2.5°	6047.5	6177.2	6384.9	6599.0	6809.9	7024.0	7231.7	7306.3
5229.9	5°	5486.2	5784.7	6196.7	6637.9	7092.2	7552.9	7974.6	8166.0
4525.9	7.5°	4860.0	5288.3	5908.0	6599.0	7322.5	8046.0	8711.1	9019.3
3828.3	10°	4191.7	4733.5	5440.8	6375.2	7413.3	8412.6	9327.5	9726.6
3215.2	12.5°	3555.8	4123.6	4905.5	6024.8	7342.0	8623.5	9723.3	10193.8
2783.7	15°	3023.7	3526.6	4370.1	5609.5	7111.6	8636.5	9911.5	10427.4
2543.6	17.5°	2624.7	2952.4	3825.1	5148.8	6809.9	8516.4	9976.4	10527.9
2413.8	20°	2426.8	2517.6	3117.8	4558.3	6527.6	8402.9	10041.3	10622.0
2310.0	22.5°	2310.0	2332.7	2550.1	3795.9	6190.2	8367.2	10154.8	10751.8
2215.9	25°	2215.9	2222.4	2280.8	3007.5	5674.4	8344.5	10330.0	10930.2
2118.6	27.5°	2121.8	2121.8	2154.3	2423.5	4973.6	8247.1	10557.1	11144.4
2021.2	30°	2027.7	2027.7	2050.4	2144.5	4152.8	8055.7	10829.7	11423.4
1923.9	32.5°	1930.4	1930.4	1949.9	2018.0	3315.7	7815.6	11079.5	11705.6
1823.3	35°	1833.1	1826.6	1852.5	1923.9	2637.7	7510.7	11329.3	12010.6
1722.8	37.5°	1729.2	1726.0	1752.0	1833.1	2277.5	7157.0	11517.5	12425.9
1622.2	40°	1618.9	1618.9	1648.1	1735.7	2173.7	6712.6	11815.9	13022.8
1518.4	42.5°	1518.4	1511.9	1544.3	1651.4	2095.9	6287.6	12351.3	13892.3
1424.3	45°	1421.0	1408.0	1437.2	1570.3	1959.6	6138.3	13350.5	15177.1
1333.4	47.5°	1330.2	1297.7	1323.7	1472.9	1836.3	6696.3	14985.7	16958.2
1252.3	50°	1255.6	1193.9	1216.6	1375.6	1742.2	7906.5	17107.5	19323.4
1177.7	52.5°	1177.7	1096.6	1109.6	1255.6	1657.9	9058.2	19407.7	22444.4
1103.1	55°	1096.6	1005.7	1012.2	1135.5	1537.8	9230.2	21652.8	26701.0
1018.7	57.5°	1005.7	921.4	921.4	1025.2	1450.2	8000.6	23378.8	31982.8
914.9	60°	905.2	850.0	833.8	937.6	1528.1	5645.2	23580.0	35389.4
781.9	62.5°	794.9	765.7	743.0	853.3	1586.5	3344.9	21961.0	34565.3
616.4	65°	668.3	661.8	645.6	937.6	1336.7	1975.8	18852.9	32038.0
525.6	67.5°	561.3	551.5	551.5	983.0	1015.5	1242.6	14729.4	28560.0
447.7	70°	483.4	447.7	447.7	743.0	616.4	859.8	10284.6	24806.3
369.9	72.5°	405.5	366.6	340.7	593.7	460.7	629.4	6427.1	21244.0
282.3	75°	324.4	295.2	262.8	392.6	343.9	476.9	3734.3	17600.6
178.4	77.5°	233.6	220.6	184.9	288.7	249.8	343.9	2222.4	13580.9
110.3	80°	120.0	123.3	116.8	165.5	168.7	233.6	1265.3	9295.1
71.4	82.5°	71.4	55.2	61.6	81.1	97.3	133.0	476.9	5463.5
51.9	85°	45.4	29.2	29.2	38.9	48.7	51.9	146.0	2215.9
26.0	87.5°	22.7	9.7	13.0	19.5	16.2	13.0	6.5	558.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)