

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: P532657

Luminaire Tested: **GALN-SA8A-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19017 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

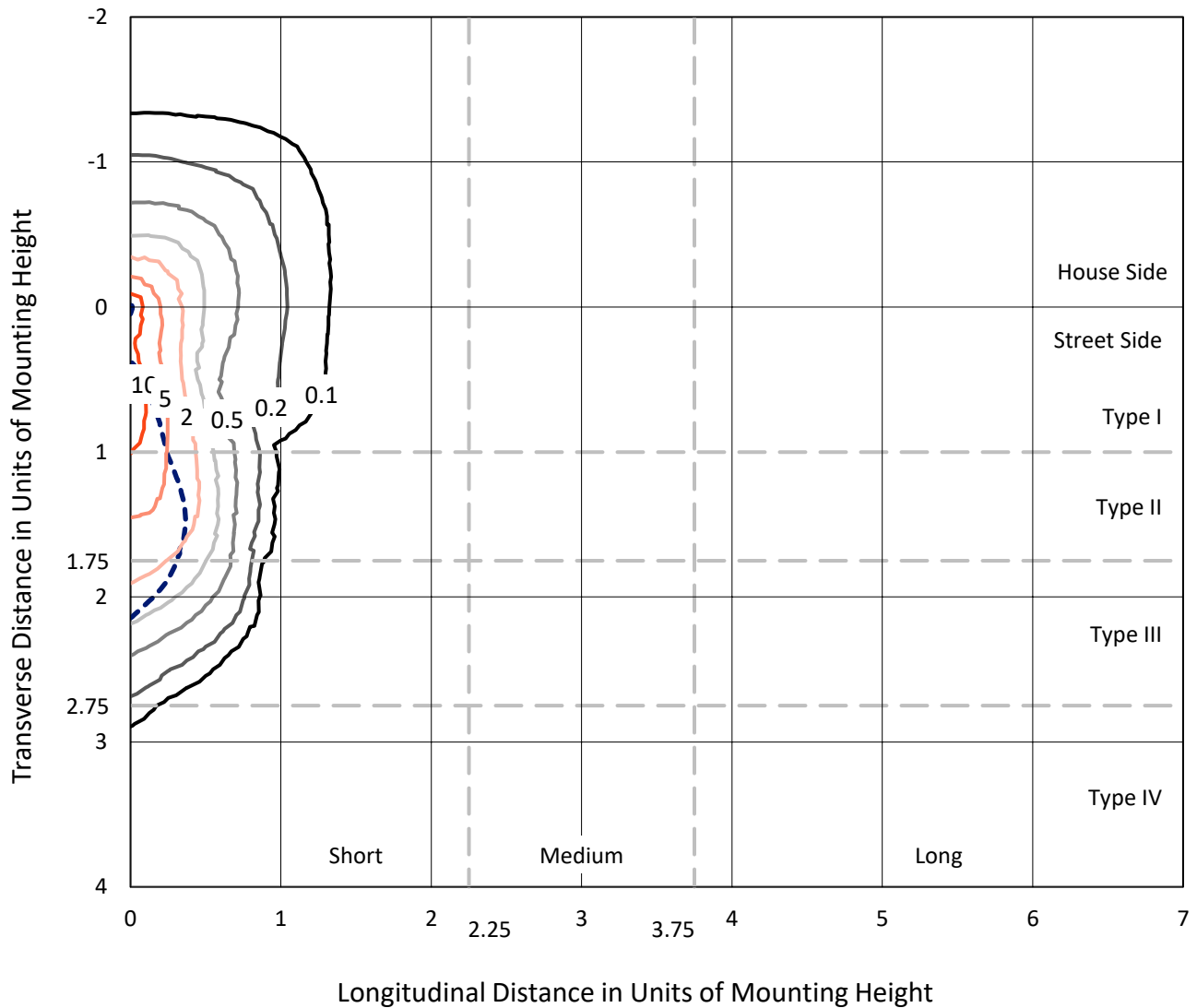
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532657
 CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

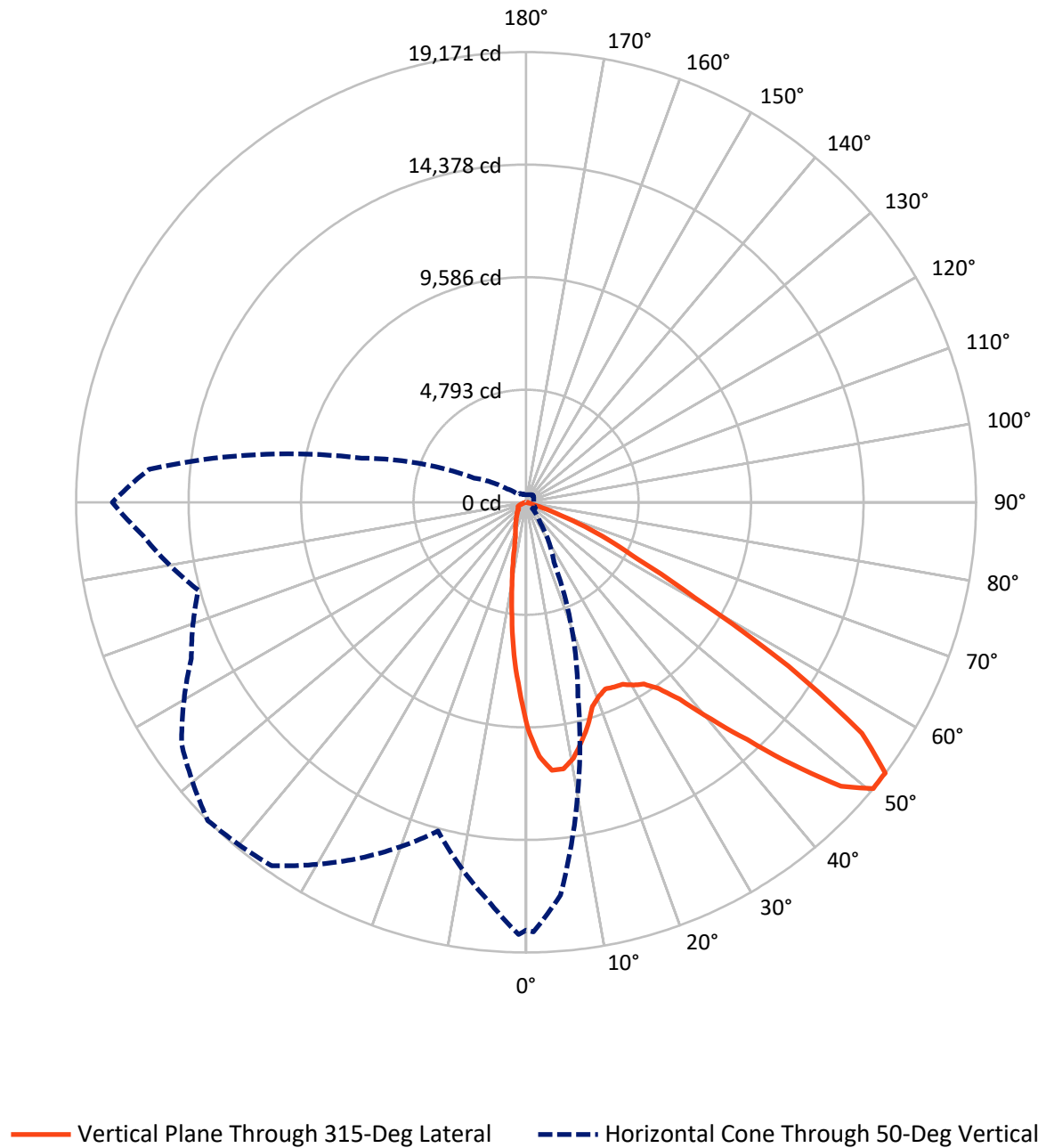
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Short - N/A

REPORT NUMBER: P532657
CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532657
 CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3809.1	0.0	3809.1
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	15207.9	0.0	15207.9
	% Fixture	80.0	0.0	80.0
Total	Lumens	19017.0	0.0	19017.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.9	3.7
10°-20°	1397.1	7.3
20°-30°	2098.8	11.0
30°-40°	3150.3	16.6
40°-50°	4427.5	23.3
50°-60°	4775.9	25.1
60°-70°	2217.4	11.7
70°-80°	208.6	1.1
80°-90°	38.5	0.2
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°	19017.0	100.0
0°-180°	19017.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532657

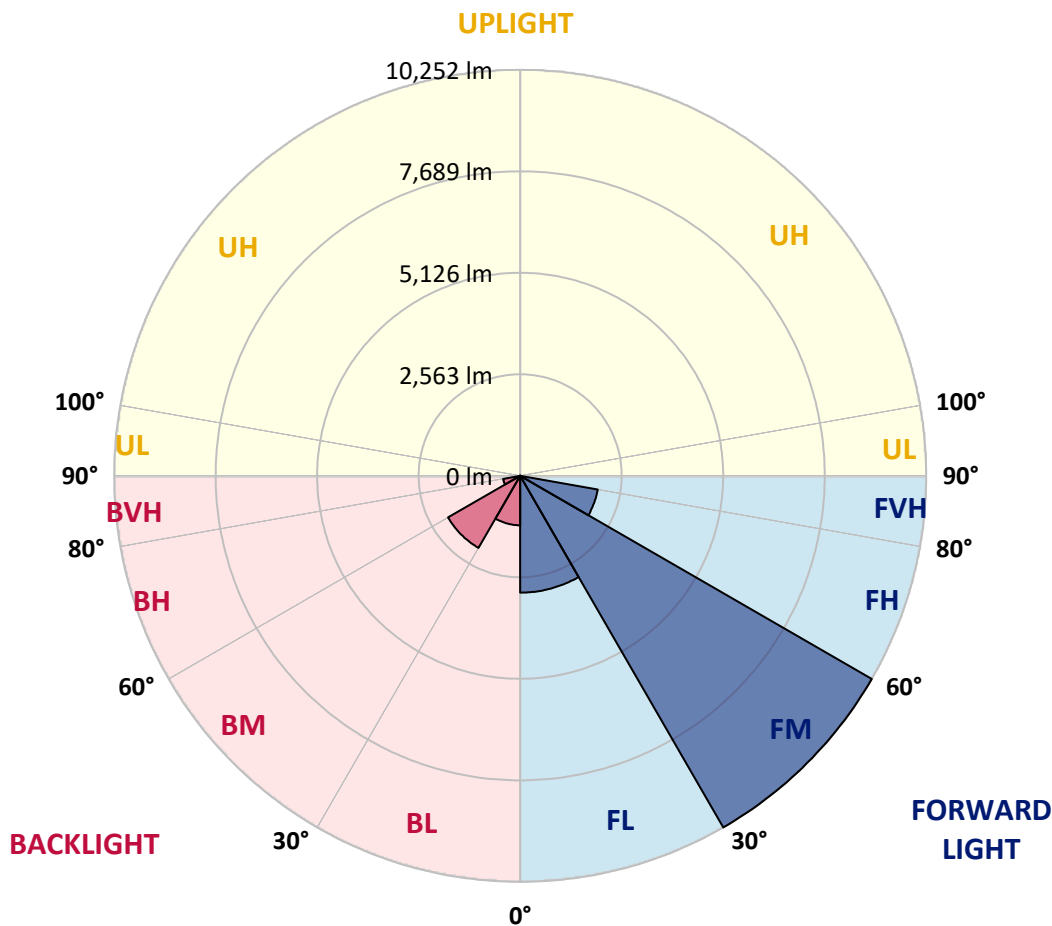
CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2950.3	15.5			
FM (30°-60°)	10251.6	53.9			
FH (60°-80°)	1988.7	10.5			G2/5000
FVH (80°-90°)	17.3	0.1			G1/100
BL (0°-30°)	1248.5	6.6	B3/2500		
BM (30°-60°)	2102.1	11.1	B2/2500		
BH (60°-80°)	437.4	2.3	B1/500		G1/500
BVH (80°-90°)	21.1	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-G2

Type III Short





REPORT NUMBER: P532657

CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0
2.5°	10025.1	9870.4	9674.2	9512.0	9270.5	8783.8	8651.7	8493.2	8361.2	8183.8	7934.8
5°	9115.8	9066.7	8976.2	8364.9	7923.5	7334.9	6851.9	6648.2	6380.3	6161.5	6003.0
7.5°	8421.5	8225.3	7938.6	7323.6	6618.0	5987.9	5452.1	5138.9	4784.3	4663.5	4448.5
10°	7678.2	7723.5	7300.9	6436.9	5584.2	5074.8	4742.8	4440.9	4120.2	3908.9	3603.3
12.5°	7440.5	7293.4	6968.9	5901.1	5172.9	4697.5	4293.8	3920.2	3580.7	3241.1	2946.8
15°	7595.2	7368.8	6916.1	5787.9	4856.0	4263.6	3758.0	3252.4	2939.2	2505.3	2199.7
17.5°	8149.9	7968.8	7361.3	5908.7	4693.7	3848.6	3097.7	2577.0	2097.8	1705.4	1550.7
20°	9074.3	8817.7	8055.5	6063.4	4452.2	3346.7	2512.9	1871.5	1418.7	1252.7	1165.9
22.5°	9979.8	9840.2	8878.1	6361.4	4237.2	2901.5	1886.5	1260.2	1060.2	1030.1	973.5
25°	11704.1	11285.3	10134.5	6901.0	4071.2	2482.7	1422.5	1015.0	898.0	875.4	882.9
27.5°	12730.4	12379.5	11296.6	7259.4	3886.3	2162.0	1203.6	932.0	852.7	803.7	784.8
30°	13715.2	13307.7	11873.9	7470.7	3490.1	1822.4	1067.8	894.2	875.4	803.7	781.0
32.5°	14473.6	14073.6	12707.8	7787.7	3327.9	1603.6	879.1	698.0	649.0	641.4	709.3
35°	15635.7	15209.3	13420.9	7961.2	3203.4	1490.4	762.2	622.6	566.0	543.3	547.1
37.5°	16718.6	16428.0	14081.2	8029.1	3071.3	1456.4	682.9	558.4	509.4	494.3	490.5
40°	17624.1	16975.1	14707.5	8100.8	3014.7	1392.3	633.9	509.4	475.4	452.8	452.8
42.5°	18039.1	17378.8	15409.3	8059.3	2999.6	1290.4	633.9	467.9	441.5	418.8	415.0
45°	17948.6	17680.7	15722.5	8040.5	2999.6	1188.5	577.3	456.5	418.8	388.6	381.1
47.5°	18182.5	17831.6	16114.9	8119.7	2939.2	1116.8	486.7	479.2	396.2	358.4	350.9
50°	18224.0	18291.9	16797.8	8531.0	2807.2	1026.3	381.1	471.6	381.1	324.5	316.9
52°	18495.7	18073.1	17005.3	8749.8	2667.6	958.4	320.7	403.7	366.0	301.8	294.3
52.5°	18122.1	18397.6	17054.4	8829.0	2682.7	913.1	309.4	396.2	358.4	301.8	283.0
55°	17703.3	17967.5	16854.4	8998.8	2460.1	716.9	241.5	286.8	324.5	264.1	252.8
57.5°	15386.7	15654.5	14647.1	8240.4	2003.5	505.6	200.0	215.1	286.8	245.3	233.9
60°	13677.4	13485.0	12292.7	6874.6	1422.5	283.0	158.5	166.0	313.2	226.4	222.6
62.5°	12500.2	12089.0	10274.1	5308.7	867.8	188.7	124.5	128.3	241.5	211.3	211.3
65°	9247.8	8787.5	6825.5	3210.9	426.4	132.1	94.3	101.9	150.9	181.1	181.1
67.5°	5278.6	5101.2	3297.7	1448.9	177.3	83.0	71.7	79.2	117.0	147.2	139.6
70°	2426.1	2177.1	1267.8	305.6	83.0	56.6	56.6	64.1	94.3	109.4	101.9
72.5°	709.3	671.6	309.4	49.1	34.0	34.0	37.7	49.1	71.7	83.0	75.5
75°	52.8	34.0	22.6	15.1	15.1	22.6	30.2	49.1	71.7	79.2	64.1
77.5°	3.8	7.5	3.8	3.8	11.3	22.6	34.0	60.4	94.3	98.1	71.7
80°	3.8	3.8	0.0	3.8	11.3	22.6	37.7	67.9	105.6	113.2	60.4
82.5°	0.0	0.0	0.0	3.8	15.1	30.2	45.3	71.7	98.1	120.7	64.1
85°	0.0	0.0	0.0	3.8	22.6	41.5	52.8	18.9	11.3	0.0	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	0.0



REPORT NUMBER: P532657

CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0
2.5°	8112.1	8014.0	7976.3	8010.3	7998.9	7987.6	8195.1	8149.9	8142.3	8210.2	8195.1
5°	6089.8	5916.2	6391.6	6199.2	6399.2	6519.9	6542.5	6553.9	6693.5	6546.3	6738.7
7.5°	4339.1	4384.3	4380.6	4508.8	4739.0	4942.7	5063.5	4969.2	4961.6	4942.7	4859.7
10°	3467.5	3388.2	3373.1	3343.0	3414.6	3588.2	3735.4	3618.4	3535.4	3648.6	3614.6
12.5°	2833.6	2724.2	2663.8	2543.1	2546.8	2663.8	2663.8	2663.8	2746.8	2811.0	2860.0
15°	2173.3	2082.7	2082.7	1962.0	1935.6	1939.4	1999.7	2007.3	2139.3	2177.1	2195.9
17.5°	1520.6	1471.5	1528.1	1577.2	1547.0	1554.5	1577.2	1584.7	1603.6	1588.5	1626.2
20°	1169.7	1162.1	1177.2	1264.0	1328.1	1365.9	1339.4	1301.7	1279.1	1226.3	1226.3
22.5°	992.3	1007.4	1033.8	1105.5	1188.5	1211.2	1181.0	1094.2	1026.3	1018.7	1022.5
25°	882.9	898.0	939.5	984.8	1030.1	1067.8	1037.6	973.5	935.7	901.8	901.8
27.5°	815.0	822.5	845.2	879.1	916.9	947.0	935.7	901.8	860.3	845.2	811.2
30°	762.2	773.5	799.9	807.4	841.4	856.5	837.6	830.1	803.7	784.8	773.5
32.5°	735.8	732.0	750.8	758.4	762.2	773.5	750.8	762.2	758.4	728.2	716.9
35°	554.6	584.8	633.9	675.4	686.7	701.8	698.0	682.9	641.4	607.5	566.0
37.5°	498.0	516.9	543.3	577.3	622.6	641.4	633.9	596.1	547.1	524.5	516.9
40°	460.3	471.6	494.3	516.9	562.2	596.1	569.7	535.8	498.0	479.2	467.9
42.5°	426.4	430.1	441.5	464.1	498.0	550.9	505.6	460.3	445.2	433.9	426.4
45°	388.6	388.6	403.7	415.0	452.8	501.8	456.5	415.0	407.5	399.9	396.2
47.5°	358.4	362.2	369.8	384.9	415.0	449.0	418.8	384.9	366.0	362.2	354.7
50°	320.7	324.5	339.6	354.7	392.4	411.3	392.4	354.7	335.8	324.5	324.5
52°	290.5	301.8	316.9	347.1	373.5	403.7	381.1	339.6	316.9	305.6	298.1
52.5°	286.8	294.3	309.4	343.4	373.5	399.9	377.3	335.8	309.4	301.8	294.3
55°	256.6	267.9	294.3	335.8	369.8	399.9	369.8	332.0	294.3	275.4	267.9
57.5°	245.3	252.8	286.8	339.6	366.0	399.9	369.8	332.0	294.3	260.3	252.8
60°	233.9	249.0	286.8	328.3	362.2	403.7	373.5	328.3	286.8	245.3	245.3
62.5°	222.6	233.9	283.0	320.7	347.1	388.6	358.4	320.7	275.4	233.9	230.2
65°	192.4	211.3	249.0	267.9	298.1	335.8	305.6	279.2	241.5	207.5	203.7
67.5°	147.2	154.7	184.9	207.5	226.4	260.3	245.3	211.3	184.9	158.5	158.5
70°	101.9	109.4	132.1	143.4	162.2	181.1	169.8	143.4	124.5	109.4	105.6
72.5°	71.7	75.5	83.0	90.6	98.1	105.6	101.9	83.0	71.7	67.9	64.1
75°	56.6	64.1	67.9	64.1	60.4	56.6	56.6	49.1	41.5	37.7	37.7
77.5°	56.6	60.4	56.6	49.1	41.5	37.7	34.0	30.2	22.6	18.9	22.6
80°	49.1	49.1	49.1	41.5	37.7	34.0	30.2	26.4	22.6	18.9	18.9
82.5°	52.8	52.8	49.1	41.5	41.5	34.0	34.0	30.2	26.4	18.9	18.9
85°	0.0	0.0	0.0	7.5	18.9	34.0	34.0	30.2	26.4	22.6	22.6
87.5°	0.0	0.0	0.0	0.0	3.8	7.5	15.1	18.9	22.6	22.6	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P532657

CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0
2.5°	8331.0	8474.4	8746.0	9017.7	9183.7	9379.9	9734.6	9923.2	10168.5	10289.2	10526.9
5°	6712.3	7051.9	7172.6	7482.0	7814.1	8146.1	8674.3	9255.4	9738.3	10070.4	10500.5
7.5°	4897.5	4976.7	5444.6	5652.1	6195.4	6799.1	7519.8	8251.7	8863.0	9406.3	9734.6
10°	3671.2	3961.7	4256.0	4652.2	5089.9	5712.5	6402.9	7210.4	8002.7	8546.0	8961.1
12.5°	2950.6	3180.7	3573.1	3999.5	4539.0	4950.3	5644.5	6444.4	7470.7	8002.7	8549.8
15°	2233.7	2528.0	2973.2	3414.6	3984.4	4418.3	5120.1	6127.5	7448.1	8180.1	8651.7
17.5°	1656.4	1856.4	2256.3	2750.6	3331.6	3942.9	4889.9	6093.5	7700.9	8572.5	9059.2
20°	1267.8	1335.7	1588.5	2029.9	2660.0	3459.9	4516.4	6240.7	8447.9	9527.1	10021.3
22.5°	1026.3	1056.5	1154.6	1460.2	2071.4	3037.3	4339.1	6342.6	9289.3	10670.3	11330.6
25°	894.2	886.7	950.8	1082.9	1618.7	2641.2	4112.7	6727.4	10319.4	12013.5	12605.9
27.5°	815.0	815.0	845.2	939.5	1343.2	2384.6	3969.3	7002.9	11357.0	13194.5	13515.2
30°	773.5	781.0	867.8	898.0	1116.8	2079.0	3731.6	7282.1	12349.3	13949.1	14390.6
32.5°	716.9	686.7	667.8	743.3	939.5	1803.5	3493.9	7399.0	13153.0	14873.5	15250.8
35°	550.9	535.8	558.4	615.0	807.4	1569.6	3229.8	7531.1	14077.4	15945.1	16020.5
37.5°	498.0	494.3	509.4	558.4	679.2	1365.9	3041.1	7497.1	14783.0	16831.8	16628.0
40°	460.3	460.3	471.6	513.1	607.5	1222.5	2844.9	7466.9	15465.9	17827.8	17231.7
42.5°	430.1	430.1	449.0	475.4	577.3	1128.2	2697.8	7425.4	16039.4	18439.1	17586.4
45°	388.6	399.9	430.1	456.5	584.8	1064.0	2588.3	7267.0	16235.6	18431.5	17416.6
47.5°	358.4	373.5	403.7	441.5	528.2	1045.1	2512.9	7127.4	16167.7	17978.8	16884.6
50°	324.5	343.4	384.9	449.0	449.0	1007.4	2433.6	7251.9	16118.6	17627.9	16375.2
52°	301.8	316.9	369.8	437.7	392.4	928.2	2384.6	7493.4	16318.6	17582.6	16148.8
52.5°	298.1	309.4	358.4	430.1	373.5	913.1	2350.6	7550.0	16382.8	17469.4	16303.5
55°	264.1	279.2	328.3	335.8	305.6	750.8	2241.2	7678.2	16065.8	17246.8	16156.4
57.5°	249.0	256.6	290.5	275.4	264.1	566.0	1928.0	7478.3	14269.8	15318.7	15032.0
60°	230.2	237.7	271.7	215.1	222.6	396.2	1448.9	6493.5	11458.9	12764.4	13281.3
62.5°	222.6	218.8	256.6	173.6	188.7	286.8	1022.5	5278.6	8829.0	10508.1	11402.3
65°	196.2	192.4	184.9	147.2	162.2	222.6	611.2	3444.8	6221.8	7949.9	8440.4
67.5°	150.9	158.5	135.8	117.0	135.8	173.6	339.6	1543.2	3263.7	4769.2	5165.4
70°	105.6	113.2	109.4	101.9	120.7	143.4	196.2	528.2	1350.8	2505.3	2761.9
72.5°	64.1	79.2	83.0	86.8	105.6	124.5	139.6	169.8	358.4	886.7	1101.7
75°	37.7	52.8	64.1	75.5	86.8	105.6	117.0	120.7	124.5	166.0	267.9
77.5°	26.4	37.7	56.6	71.7	86.8	105.6	124.5	132.1	124.5	117.0	124.5
80°	22.6	37.7	52.8	67.9	90.6	109.4	124.5	124.5	120.7	105.6	113.2
82.5°	22.6	37.7	56.6	71.7	86.8	105.6	120.7	124.5	113.2	105.6	109.4
85°	26.4	41.5	60.4	75.5	94.3	86.8	79.2	64.1	60.4	49.1	52.8
87.5°	26.4	37.7	37.7	41.5	45.3	45.3	45.3	41.5	34.0	30.2	30.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P532657

CATALOG NUMBER: GALN-SA8A-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0	9644.0
2.5°	10538.2	10840.1	10828.8	10836.3	10791.0	10485.4	10338.3	9964.7	10070.4	10025.1
5°	10942.0	11240.0	11496.6	11466.4	11119.3	10704.3	10089.2	9508.2	9349.7	9115.8
7.5°	10538.2	11255.1	11492.8	11458.9	10945.7	10413.7	9432.7	8851.7	8576.2	8421.5
10°	9896.8	10726.9	11021.2	11081.6	10734.4	9927.0	9025.2	8093.3	7946.1	7678.2
12.5°	9530.8	10134.5	10315.6	10477.9	10357.1	9753.4	8715.8	7821.6	7617.9	7440.5
15°	9232.7	9591.2	9666.7	9851.5	9923.2	9598.7	8878.1	8115.9	7614.1	7595.2
17.5°	9508.2	9361.0	9085.6	9142.2	9368.6	9602.5	9296.9	8697.0	8210.2	8149.9
20°	9964.7	9315.8	8693.2	8832.8	9021.5	9738.3	9930.8	9508.2	9229.0	9074.3
22.5°	10489.2	9395.0	8568.7	8636.6	8995.0	10044.0	10957.1	10723.1	10202.4	9979.8
25°	11458.9	9613.8	8666.8	8712.1	9202.6	10470.3	11885.2	12058.8	11749.4	11704.1
27.5°	12405.9	10179.8	8881.9	8780.0	9308.2	10885.4	12447.4	13379.4	12836.0	12730.4
30°	12888.9	10640.1	9202.6	9029.0	9745.9	11138.2	12787.0	14239.6	13764.2	13715.2
32.5°	13628.4	11058.9	9451.6	9229.0	9991.1	11451.3	13420.9	15179.1	14718.8	14473.6
35°	13937.8	11515.5	9998.7	9738.3	10692.9	11889.0	13745.4	16016.8	15873.4	15635.7
37.5°	14533.9	12006.0	10643.9	10628.8	11541.9	12458.7	14330.2	17156.2	17129.8	16718.6
40°	14583.0	12541.7	11662.6	12138.0	12854.9	13451.1	14843.3	17473.2	17903.3	17624.1
42.5°	14658.5	13481.2	13424.7	13817.1	14432.1	14303.8	14862.2	17548.6	18205.2	18039.1
45°	14692.4	14420.7	15216.9	15941.3	16197.9	15420.6	14684.9	17405.3	18363.6	17948.6
47.5°	14420.7	15228.2	16665.7	18065.6	18141.0	16107.3	14609.4	17258.1	18458.0	18182.5
50°	14458.5	15733.8	17918.4	19171.1	18895.6	16714.8	14492.4	17167.6	18408.9	18224.0
52°	14367.9	15745.1	18095.7	19148.4	18956.0	16379.0	14292.5	16820.4	18363.6	18495.7
52.5°	14469.8	15677.2	17910.9	19163.5	18914.5	16545.0	14266.1	17012.9	18390.0	18122.1
55°	14118.9	14869.7	16828.0	17360.0	17322.3	15016.9	13454.8	16375.2	17699.6	17703.3
57.5°	12760.6	12888.9	13198.3	13186.9	13013.4	11806.0	11507.9	15058.4	15779.1	15386.7
60°	11243.8	9436.5	8602.6	8263.1	8070.6	7874.4	10179.8	13775.5	13843.5	13677.4
62.5°	9715.7	6542.5	5433.2	5338.9	5384.2	6101.1	9840.2	13266.2	12858.7	12500.2
65°	7840.5	4769.2	3946.7	3822.1	4263.6	5037.1	7965.0	10172.2	9545.9	9247.8
67.5°	4923.9	3478.8	2667.6	2433.6	2965.6	3467.5	5233.3	6391.6	5689.8	5278.6
70°	2920.4	1943.1	1207.4	1082.9	1218.7	1848.8	2931.7	3188.3	2637.4	2426.1
72.5°	1150.8	713.1	335.8	286.8	298.1	649.0	1079.1	1052.7	796.1	709.3
75°	309.4	215.1	117.0	94.3	79.2	120.7	173.6	113.2	41.5	52.8
77.5°	143.4	128.3	101.9	79.2	60.4	45.3	22.6	7.5	7.5	3.8
80°	124.5	109.4	94.3	79.2	60.4	37.7	18.9	3.8	3.8	3.8
82.5°	117.0	101.9	86.8	71.7	56.6	37.7	18.9	3.8	0.0	0.0
85°	49.1	64.1	71.7	67.9	60.4	37.7	18.9	3.8	0.0	0.0
87.5°	26.4	22.6	18.9	15.1	11.3	7.5	7.5	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

(END OF REPORT)