

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: P530863

Luminaire Tested: **GALN-SA6A-760-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530863
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-SA6A-760-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 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: 14992 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

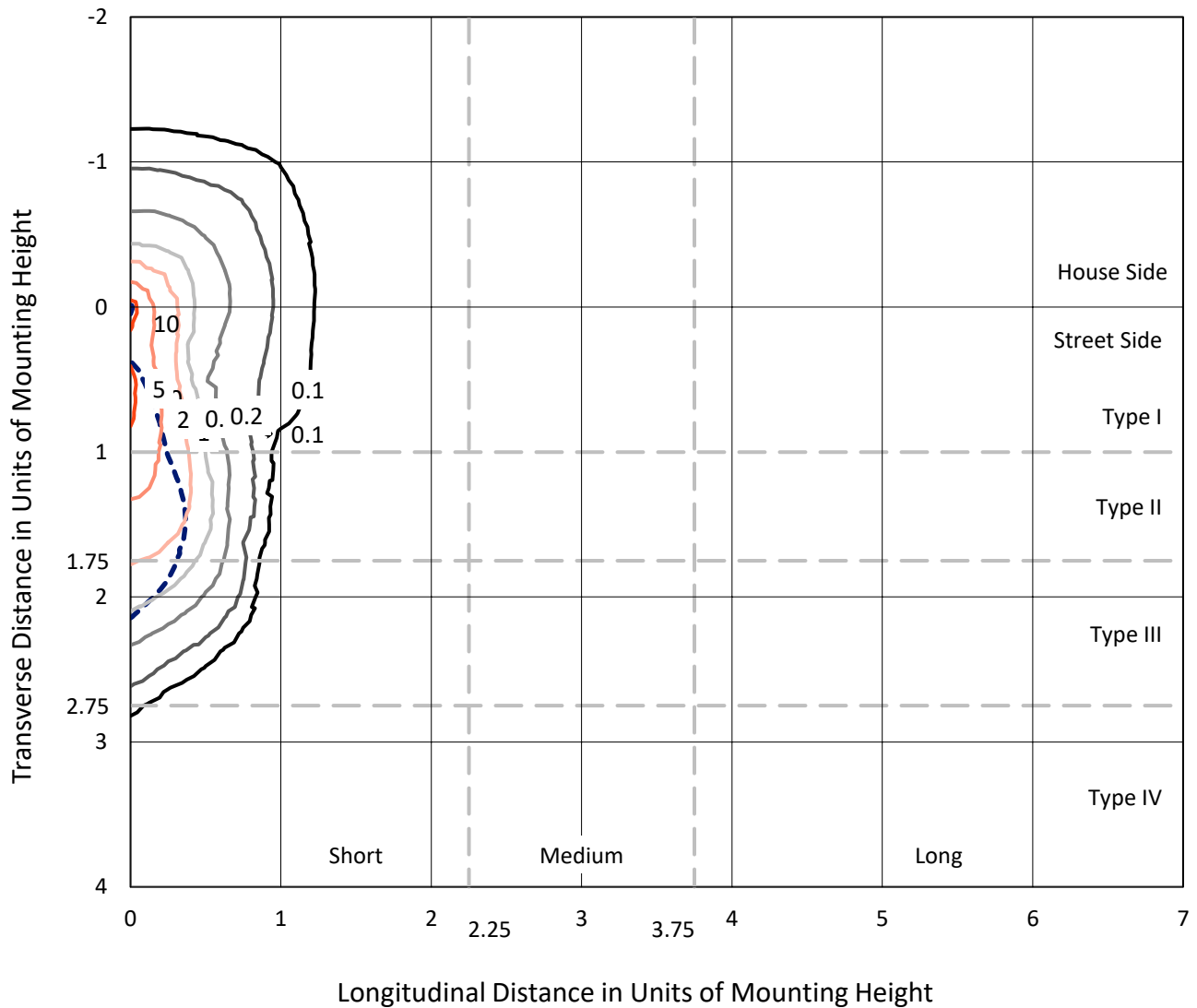
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

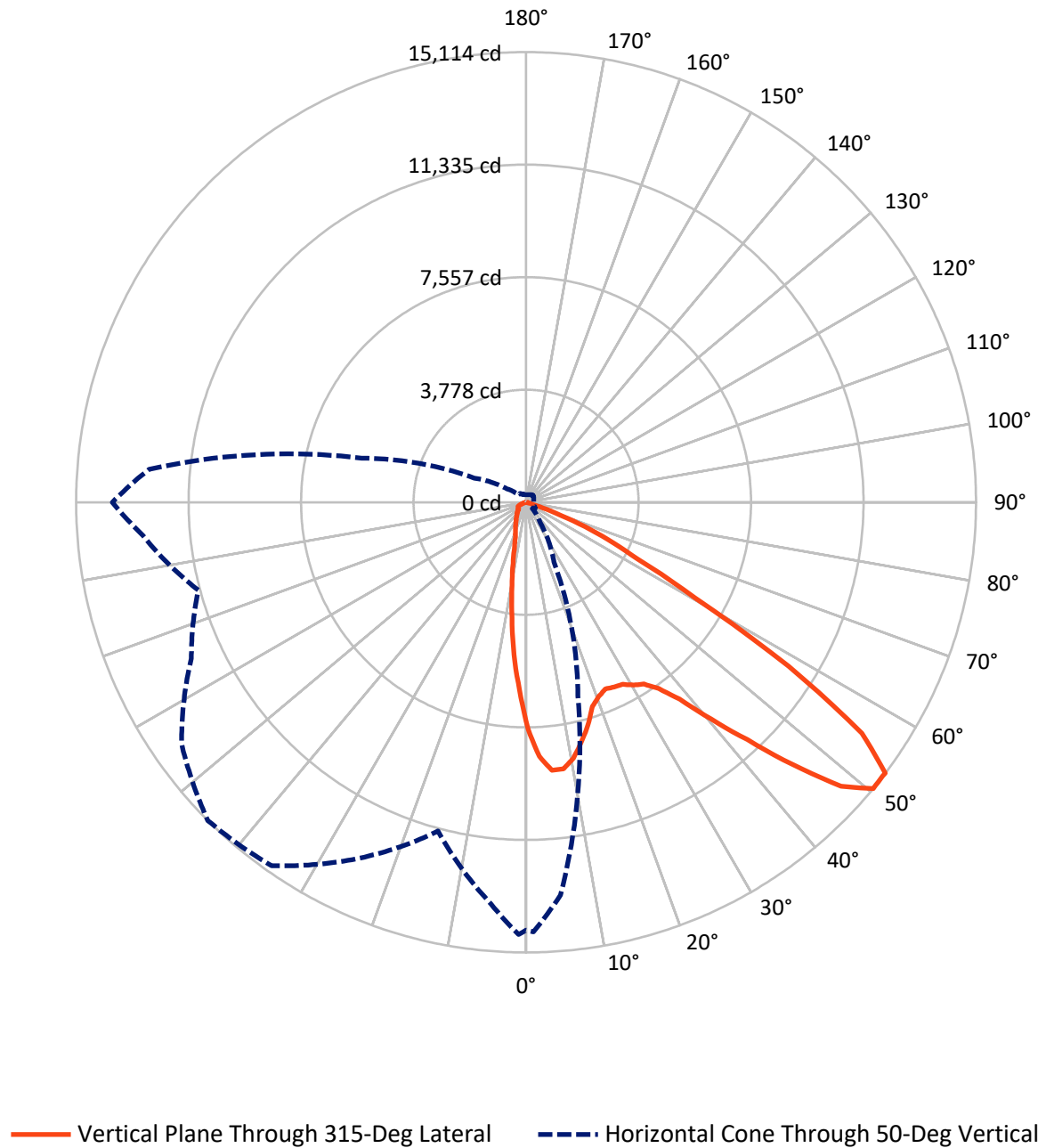
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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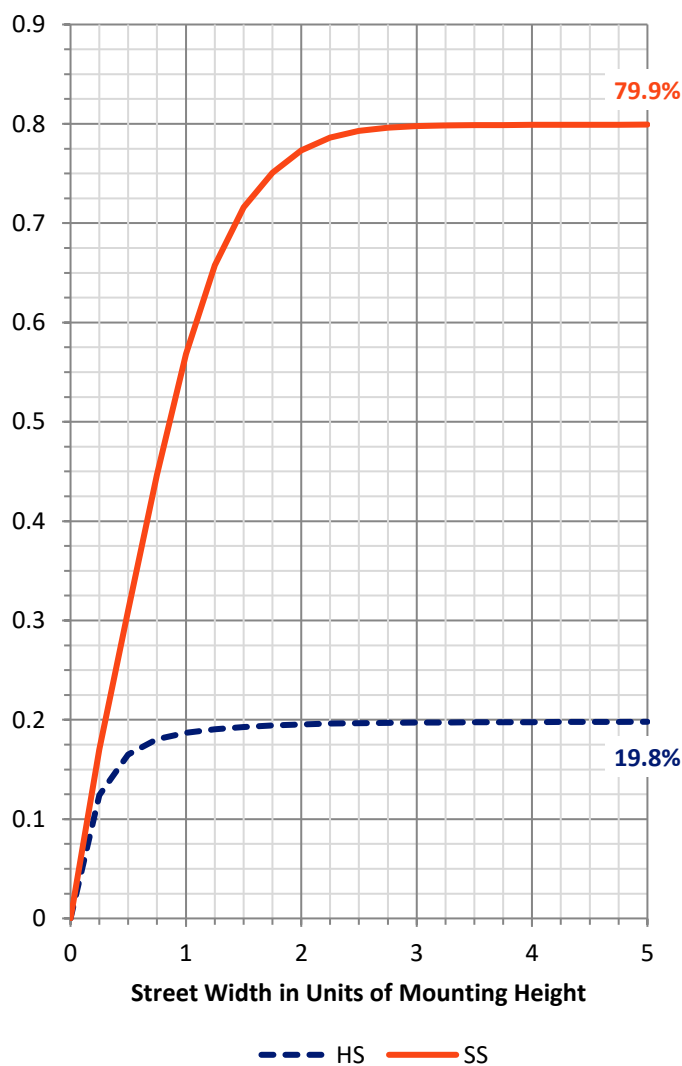
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3002.9	0.0	3002.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	11989.1	0.0	11989.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	14992.0	0.0	14992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.2	3.7
10°-20°	1101.4	7.3
20°-30°	1654.6	11.0
30°-40°	2483.5	16.6
40°-50°	3490.4	23.3
50°-60°	3765.0	25.1
60°-70°	1748.1	11.7
70°-80°	164.5	1.1
80°-90°	30.3	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°	14992.0	100.0
0°-180°	14992.0	100.0

Coefficient of Utilization



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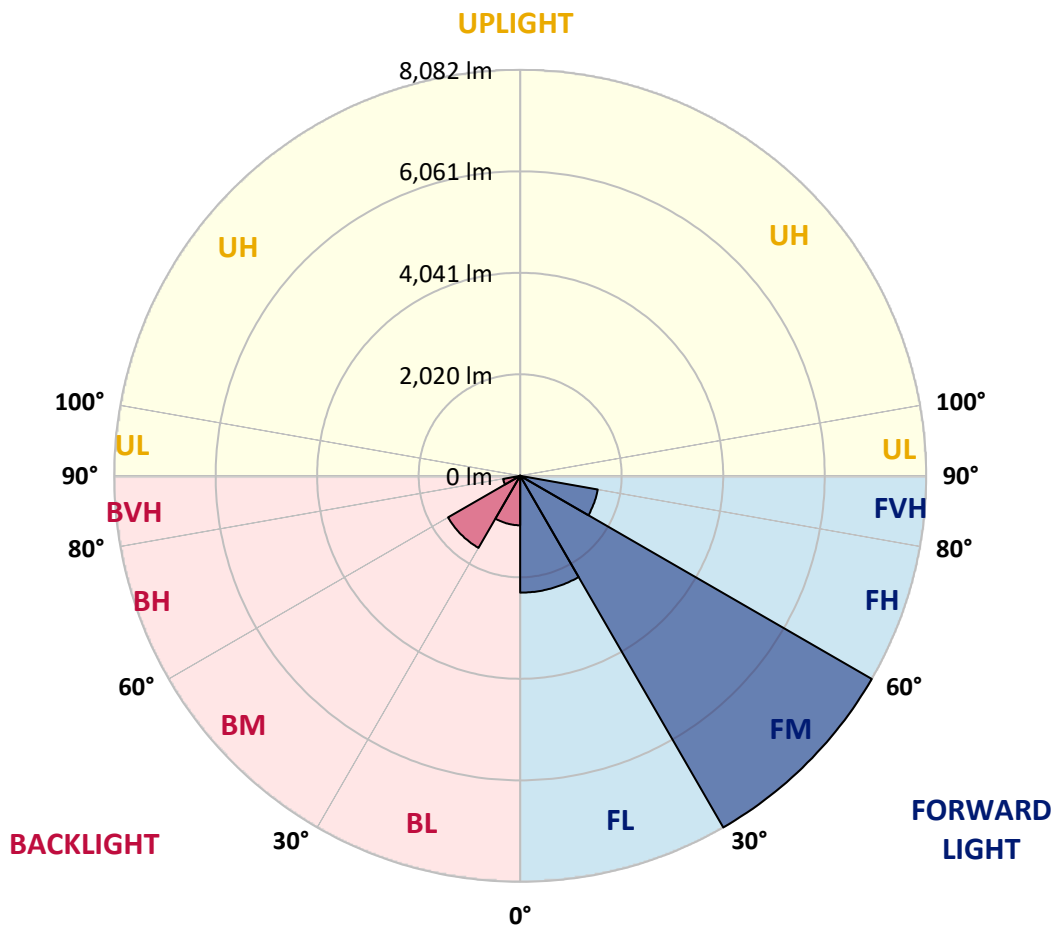
CATALOG NUMBER: GALN-SA6A-760-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2325.9	15.5			
FM (30°-60°)	8081.8	53.9			
FH (60°-80°)	1567.8	10.5			G1/1800
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	984.3	6.6	B2/1000		
BM (30°-60°)	1657.2	11.1	B2/2500		
BH (60°-80°)	344.8	2.3	B1/500		G1/500
BVH (80°-90°)	16.7	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8
2.5°	7903.3	7781.3	7626.6	7498.7	7308.4	6924.6	6820.5	6695.6	6591.5	6451.7	6255.4
5°	7186.4	7147.7	7076.3	6594.5	6246.5	5782.4	5401.7	5241.1	5029.9	4857.4	4732.4
7.5°	6639.1	6484.4	6258.4	5773.5	5217.3	4720.5	4298.2	4051.3	3771.7	3676.5	3506.9
10°	6053.1	6088.8	5755.7	5074.5	4402.3	4000.7	3739.0	3501.0	3248.2	3081.6	2840.7
12.5°	5865.7	5749.7	5493.9	4652.1	4078.0	3703.3	3385.0	3090.5	2822.8	2555.1	2323.1
15°	5987.7	5809.2	5452.3	4562.9	3828.2	3361.2	2962.6	2564.0	2317.1	1975.1	1734.1
17.5°	6424.9	6282.2	5803.3	4658.1	3700.3	3034.0	2442.1	2031.6	1653.8	1344.5	1222.5
20°	7153.7	6951.4	6350.6	4780.0	3509.9	2638.4	1981.0	1475.4	1118.4	987.5	919.1
22.5°	7867.6	7757.5	6999.0	5015.0	3340.4	2287.4	1487.3	993.5	835.8	812.0	767.4
25°	9226.9	8896.7	7989.5	5440.4	3209.5	1957.2	1121.4	800.1	707.9	690.1	696.0
27.5°	10036.0	9759.3	8905.7	5722.9	3063.7	1704.4	948.9	734.7	672.2	633.6	618.7
30°	10812.3	10491.1	9360.8	5889.5	2751.4	1436.7	841.8	705.0	690.1	633.6	615.7
32.5°	11410.2	11094.9	10018.1	6139.4	2623.5	1264.2	693.1	550.3	511.6	505.7	559.2
35°	12326.3	11990.2	10580.3	6276.2	2525.4	1174.9	600.8	490.8	446.2	428.3	431.3
37.5°	13180.0	12951.0	11100.9	6329.7	2421.2	1148.2	538.4	440.2	401.6	389.7	386.7
40°	13893.9	13382.3	11594.6	6386.3	2376.6	1097.6	499.7	401.6	374.8	356.9	356.9
42.5°	14221.1	13700.6	12147.9	6353.5	2364.7	1017.3	499.7	368.8	348.0	330.2	327.2
45°	14149.7	13938.5	12394.8	6338.7	2364.7	937.0	455.1	359.9	330.2	306.4	300.4
47.5°	14334.1	14057.5	12704.1	6401.1	2317.1	880.5	383.7	377.8	312.3	282.6	276.6
50°	14366.9	14420.4	13242.5	6725.4	2213.0	809.1	300.4	371.8	300.4	255.8	249.9
52°	14581.0	14247.9	13406.1	6897.9	2103.0	755.5	252.8	318.3	288.5	238.0	232.0
52.5°	14286.5	14503.7	13444.8	6960.3	2114.9	719.8	243.9	312.3	282.6	238.0	223.1
55°	13956.4	14164.6	13287.1	7094.2	1939.4	565.2	190.4	226.1	255.8	208.2	199.3
57.5°	12130.0	12341.2	11547.0	6496.3	1579.5	398.6	157.6	169.5	226.1	193.3	184.4
60°	10782.6	10630.9	9690.9	5419.5	1121.4	223.1	124.9	130.9	246.9	178.5	175.5
62.5°	9854.5	9530.3	8099.6	4185.1	684.1	148.7	98.2	101.1	190.4	166.6	166.6
65°	7290.5	6927.6	5380.9	2531.3	336.1	104.1	74.4	80.3	119.0	142.8	142.8
67.5°	4161.3	4021.5	2599.7	1142.2	139.8	65.4	56.5	62.5	92.2	116.0	110.1
70°	1912.6	1716.3	999.4	240.9	65.4	44.6	44.6	50.6	74.4	86.3	80.3
72.5°	559.2	529.5	243.9	38.7	26.8	26.8	29.7	38.7	56.5	65.4	59.5
75°	41.6	26.8	17.8	11.9	11.9	17.8	23.8	38.7	56.5	62.5	50.6
77.5°	3.0	5.9	3.0	3.0	8.9	17.8	26.8	47.6	74.4	77.3	56.5
80°	3.0	3.0	0.0	3.0	8.9	17.8	29.7	53.5	83.3	89.2	47.6
82.5°	0.0	0.0	0.0	3.0	11.9	23.8	35.7	56.5	77.3	95.2	50.6
85°	0.0	0.0	0.0	3.0	17.8	32.7	41.6	14.9	8.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8
2.5°	6395.2	6317.8	6288.1	6314.9	6305.9	6297.0	6460.6	6424.9	6419.0	6472.5	6460.6
5°	4800.9	4664.0	5038.8	4887.1	5044.8	5139.9	5157.8	5166.7	5276.8	5160.8	5312.5
7.5°	3420.7	3456.4	3453.4	3554.5	3736.0	3896.6	3991.8	3917.4	3911.5	3896.6	3831.2
10°	2733.6	2671.1	2659.2	2635.4	2691.9	2828.8	2944.8	2852.5	2787.1	2876.3	2849.6
12.5°	2233.9	2147.6	2100.0	2004.8	2007.8	2100.0	2100.0	2100.0	2165.4	2216.0	2254.7
15°	1713.3	1641.9	1641.9	1546.7	1525.9	1528.9	1576.5	1582.4	1686.5	1716.3	1731.2
17.5°	1198.7	1160.1	1204.7	1243.3	1219.5	1225.5	1243.3	1249.3	1264.2	1252.3	1282.0
20°	922.1	916.1	928.0	996.5	1047.0	1076.8	1055.9	1026.2	1008.4	966.7	966.7
22.5°	782.3	794.2	815.0	871.5	937.0	954.8	931.0	862.6	809.1	803.1	806.1
25°	696.0	707.9	740.7	776.3	812.0	841.8	818.0	767.4	737.7	710.9	710.9
27.5°	642.5	648.4	666.3	693.1	722.8	746.6	737.7	710.9	678.2	666.3	639.5
30°	600.8	609.8	630.6	636.5	663.3	675.2	660.3	654.4	633.6	618.7	609.8
32.5°	580.0	577.1	591.9	597.9	600.8	609.8	591.9	600.8	597.9	574.1	565.2
35°	437.3	461.0	499.7	532.4	541.4	553.3	550.3	538.4	505.7	478.9	446.2
37.5°	392.6	407.5	428.3	455.1	490.8	505.7	499.7	470.0	431.3	413.5	407.5
40°	362.9	371.8	389.7	407.5	443.2	470.0	449.2	422.4	392.6	377.8	368.8
42.5°	336.1	339.1	348.0	365.9	392.6	434.3	398.6	362.9	351.0	342.1	336.1
45°	306.4	306.4	318.3	327.2	356.9	395.6	359.9	327.2	321.2	315.3	312.3
47.5°	282.6	285.6	291.5	303.4	327.2	354.0	330.2	303.4	288.5	285.6	279.6
50°	252.8	255.8	267.7	279.6	309.3	324.2	309.3	279.6	264.7	255.8	255.8
52°	229.0	238.0	249.9	273.7	294.5	318.3	300.4	267.7	249.9	240.9	235.0
52.5°	226.1	232.0	243.9	270.7	294.5	315.3	297.5	264.7	243.9	238.0	232.0
55°	202.3	211.2	232.0	264.7	291.5	315.3	291.5	261.8	232.0	217.1	211.2
57.5°	193.3	199.3	226.1	267.7	288.5	315.3	291.5	261.8	232.0	205.2	199.3
60°	184.4	196.3	226.1	258.8	285.6	318.3	294.5	258.8	226.1	193.3	193.3
62.5°	175.5	184.4	223.1	252.8	273.7	306.4	282.6	252.8	217.1	184.4	181.4
65°	151.7	166.6	196.3	211.2	235.0	264.7	240.9	220.1	190.4	163.6	160.6
67.5°	116.0	122.0	145.8	163.6	178.5	205.2	193.3	166.6	145.8	124.9	124.9
70°	80.3	86.3	104.1	113.0	127.9	142.8	133.9	113.0	98.2	86.3	83.3
72.5°	56.5	59.5	65.4	71.4	77.3	83.3	80.3	65.4	56.5	53.5	50.6
75°	44.6	50.6	53.5	50.6	47.6	44.6	44.6	38.7	32.7	29.7	29.7
77.5°	44.6	47.6	44.6	38.7	32.7	29.7	26.8	23.8	17.8	14.9	17.8
80°	38.7	38.7	38.7	32.7	29.7	26.8	23.8	20.8	17.8	14.9	14.9
82.5°	41.6	41.6	38.7	32.7	32.7	26.8	26.8	23.8	20.8	14.9	14.9
85°	0.0	0.0	0.0	5.9	14.9	26.8	26.8	23.8	20.8	17.8	17.8
87.5°	0.0	0.0	0.0	0.0	3.0	5.9	11.9	14.9	17.8	17.8	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8
2.5°	6567.7	6680.7	6894.9	7109.1	7239.9	7394.6	7674.2	7822.9	8016.3	8111.5	8298.9
5°	5291.6	5559.3	5654.5	5898.4	6160.2	6422.0	6838.4	7296.5	7677.2	7939.0	8278.0
7.5°	3860.9	3923.4	4292.2	4455.8	4884.1	5360.1	5928.2	6505.2	6987.1	7415.4	7674.2
10°	2894.2	3123.2	3355.2	3667.6	4012.6	4503.4	5047.7	5684.3	6308.9	6737.3	7064.4
12.5°	2326.1	2507.5	2816.9	3153.0	3578.3	3902.6	4449.9	5080.5	5889.5	6308.9	6740.2
15°	1760.9	1992.9	2343.9	2691.9	3141.1	3483.1	4036.4	4830.6	5871.7	6448.7	6820.5
17.5°	1305.8	1463.5	1778.8	2168.4	2626.5	3108.4	3855.0	4803.8	6071.0	6758.1	7141.8
20°	999.4	1053.0	1252.3	1600.3	2097.0	2727.6	3560.5	4919.8	6659.9	7510.6	7900.3
22.5°	809.1	832.9	910.2	1151.1	1633.0	2394.5	3420.7	5000.1	7323.2	8411.9	8932.4
25°	705.0	699.0	749.6	853.7	1276.1	2082.2	3242.2	5303.5	8135.3	9470.8	9937.8
27.5°	642.5	642.5	666.3	740.7	1058.9	1879.9	3129.2	5520.7	8953.3	10401.8	10654.7
30°	609.8	615.7	684.1	707.9	880.5	1639.0	2941.8	5740.8	9735.6	10996.7	11344.8
32.5°	565.2	541.4	526.5	586.0	740.7	1421.8	2754.4	5833.0	10369.1	11725.5	12022.9
35°	434.3	422.4	440.2	484.8	636.5	1237.4	2546.2	5937.1	11097.9	12570.3	12629.7
37.5°	392.6	389.7	401.6	440.2	535.4	1076.8	2397.5	5910.3	11654.1	13269.3	13108.6
40°	362.9	362.9	371.8	404.5	478.9	963.7	2242.8	5886.5	12192.5	14054.5	13584.6
42.5°	339.1	339.1	354.0	374.8	455.1	889.4	2126.8	5853.8	12644.6	14536.4	13864.2
45°	306.4	315.3	339.1	359.9	461.0	838.8	2040.5	5728.9	12799.3	14530.5	13730.3
47.5°	282.6	294.5	318.3	348.0	416.4	823.9	1981.0	5618.8	12745.8	14173.5	13310.9
50°	255.8	270.7	303.4	354.0	354.0	794.2	1918.6	5717.0	12707.1	13896.9	12909.4
52°	238.0	249.9	291.5	345.0	309.3	731.7	1879.9	5907.4	12864.7	13861.2	12730.9
52.5°	235.0	243.9	282.6	339.1	294.5	719.8	1853.1	5952.0	12915.3	13772.0	12852.8
55°	208.2	220.1	258.8	264.7	240.9	591.9	1766.9	6053.1	12665.4	13596.5	12736.8
57.5°	196.3	202.3	229.0	217.1	208.2	446.2	1520.0	5895.5	11249.6	12076.5	11850.4
60°	181.4	187.4	214.2	169.5	175.5	312.3	1142.2	5119.1	9033.6	10062.7	10470.3
62.5°	175.5	172.5	202.3	136.8	148.7	226.1	806.1	4161.3	6960.3	8284.0	8989.0
65°	154.7	151.7	145.8	116.0	127.9	175.5	481.9	2715.7	4905.0	6267.3	6654.0
67.5°	119.0	124.9	107.1	92.2	107.1	136.8	267.7	1216.6	2572.9	3759.8	4072.1
70°	83.3	89.2	86.3	80.3	95.2	113.0	154.7	416.4	1064.9	1975.1	2177.3
72.5°	50.6	62.5	65.4	68.4	83.3	98.2	110.1	133.9	282.6	699.0	868.6
75°	29.7	41.6	50.6	59.5	68.4	83.3	92.2	95.2	98.2	130.9	211.2
77.5°	20.8	29.7	44.6	56.5	68.4	83.3	98.2	104.1	98.2	92.2	98.2
80°	17.8	29.7	41.6	53.5	71.4	86.3	98.2	98.2	95.2	83.3	89.2
82.5°	17.8	29.7	44.6	56.5	68.4	83.3	95.2	98.2	89.2	83.3	86.3
85°	20.8	32.7	47.6	59.5	74.4	68.4	62.5	50.6	47.6	38.7	41.6
87.5°	20.8	29.7	29.7	32.7	35.7	35.7	35.7	32.7	26.8	23.8	23.8
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: P530863

CATALOG NUMBER: GALN-SA6A-760-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8	7602.8
2.5°	8307.8	8545.8	8536.8	8542.8	8507.1	8266.1	8150.1	7855.7	7939.0	7903.3
5°	8626.1	8861.0	9063.3	9039.5	8765.9	8438.7	7953.8	7495.8	7370.8	7186.4
7.5°	8307.8	8872.9	9060.3	9033.6	8629.0	8209.6	7436.3	6978.2	6761.0	6639.1
10°	7802.1	8456.5	8688.5	8736.1	8462.5	7825.9	7115.0	6380.3	6264.3	6053.1
12.5°	7513.6	7989.5	8132.3	8260.2	8165.0	7689.1	6871.1	6166.1	6005.5	5865.7
15°	7278.6	7561.2	7620.7	7766.4	7822.9	7567.1	6999.0	6398.2	6002.6	5987.7
17.5°	7495.8	7379.7	7162.6	7207.2	7385.7	7570.1	7329.2	6856.2	6472.5	6424.9
20°	7855.7	7344.1	6853.3	6963.3	7112.0	7677.2	7828.9	7495.8	7275.6	7153.7
22.5°	8269.1	7406.5	6755.1	6808.6	7091.2	7918.1	8638.0	8453.5	8043.1	7867.6
25°	9033.6	7579.0	6832.4	6868.1	7254.8	8254.3	9369.7	9506.5	9262.6	9226.9
27.5°	9780.2	8025.2	7002.0	6921.7	7338.1	8581.4	9812.9	10547.6	10119.3	10036.0
30°	10160.9	8388.1	7254.8	7118.0	7683.1	8780.7	10080.6	11225.8	10851.0	10812.3
32.5°	10743.9	8718.3	7451.1	7275.6	7876.5	9027.6	10580.3	11966.4	11603.5	11410.2
35°	10987.8	9078.2	7882.4	7677.2	8429.7	9372.7	10836.1	12626.8	12513.7	12326.3
37.5°	11457.8	9464.9	8391.1	8379.2	9099.0	9821.8	11297.2	13525.1	13504.3	13180.0
40°	11496.5	9887.3	9194.2	9569.0	10134.1	10604.1	11701.7	13774.9	14114.0	13893.9
42.5°	11556.0	10627.9	10583.3	10892.6	11377.5	11276.3	11716.6	13834.4	14352.0	14221.1
45°	11582.7	11368.6	11996.2	12567.3	12769.5	12156.8	11576.8	13721.4	14476.9	14149.7
47.5°	11368.6	12005.1	13138.4	14241.9	14301.4	12698.2	11517.3	13605.4	14551.3	14334.1
50°	11398.3	12403.7	14125.9	15113.5	14896.3	13177.1	11425.1	13534.0	14512.6	14366.9
52°	11326.9	12412.6	14265.7	15095.6	14943.9	12912.3	11267.4	13260.3	14476.9	14581.0
52.5°	11407.2	12359.1	14120.0	15107.5	14911.2	13043.2	11246.6	13412.0	14497.7	14286.5
55°	11130.6	11722.5	13266.3	13685.7	13656.0	11838.5	10607.1	12909.4	13953.4	13956.4
57.5°	10059.8	10160.9	10404.8	10395.9	10259.1	9307.2	9072.2	11871.2	12439.4	12130.0
60°	8864.0	7439.2	6781.9	6514.2	6362.5	6207.8	8025.2	10859.9	10913.5	10782.6
62.5°	7659.3	5157.8	4283.3	4208.9	4244.6	4809.8	7757.5	10458.4	10137.1	9854.5
65°	6181.0	3759.8	3111.3	3013.2	3361.2	3971.0	6279.2	8019.3	7525.5	7290.5
67.5°	3881.7	2742.5	2103.0	1918.6	2338.0	2733.6	4125.6	5038.8	4485.6	4161.3
70°	2302.3	1531.9	951.8	853.7	960.8	1457.5	2311.2	2513.5	2079.2	1912.6
72.5°	907.2	562.2	264.7	226.1	235.0	511.6	850.7	829.9	627.6	559.2
75°	243.9	169.5	92.2	74.4	62.5	95.2	136.8	89.2	32.7	41.6
77.5°	113.0	101.1	80.3	62.5	47.6	35.7	17.8	5.9	5.9	3.0
80°	98.2	86.3	74.4	62.5	47.6	29.7	14.9	3.0	3.0	3.0
82.5°	92.2	80.3	68.4	56.5	44.6	29.7	14.9	3.0	0.0	0.0
85°	38.7	50.6	56.5	53.5	47.6	29.7	14.9	3.0	0.0	0.0
87.5°	20.8	17.8	14.9	11.9	8.9	5.9	5.9	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)