

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: P531017

Luminaire Tested: **GALN-SA6B-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17377 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

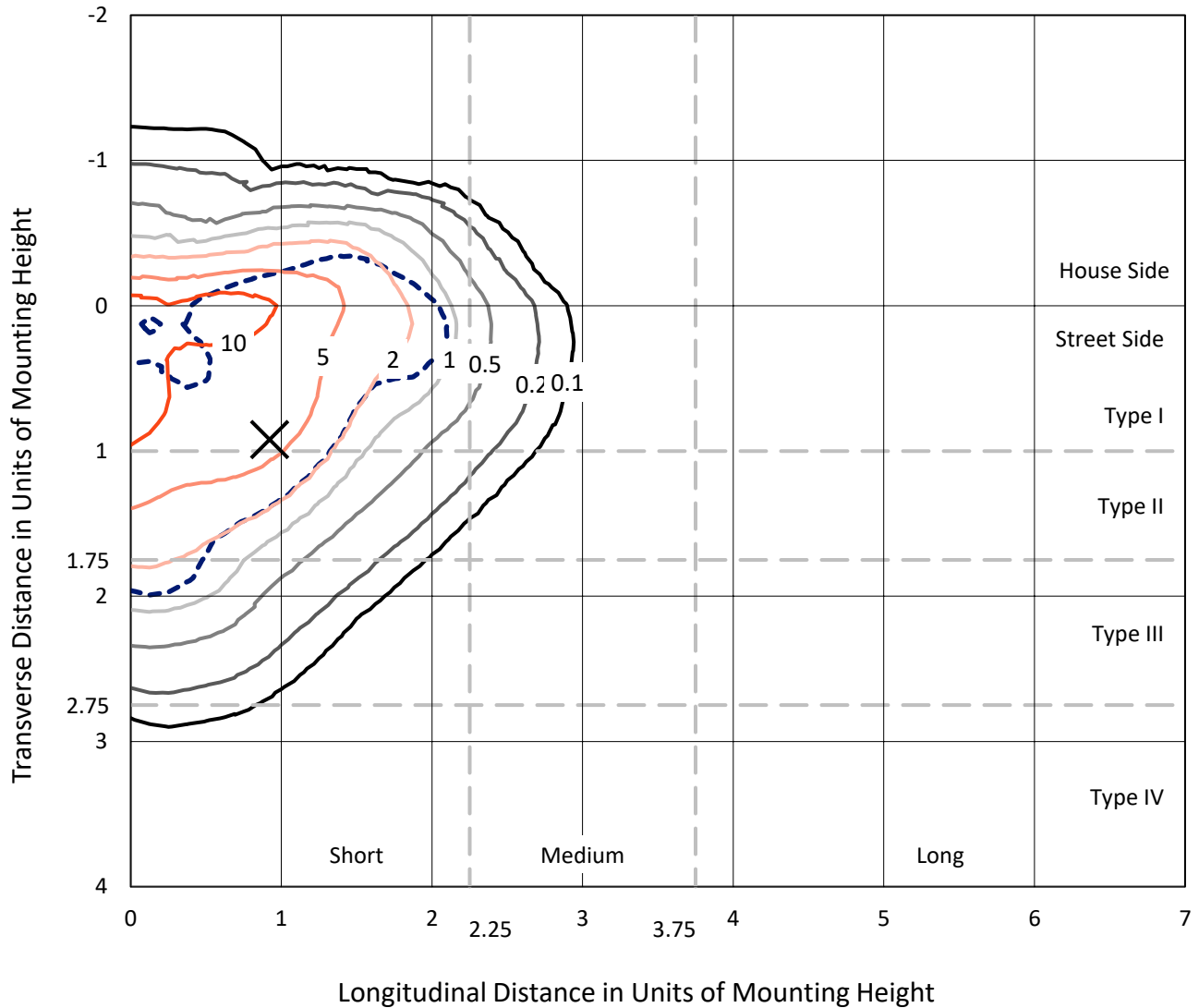
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

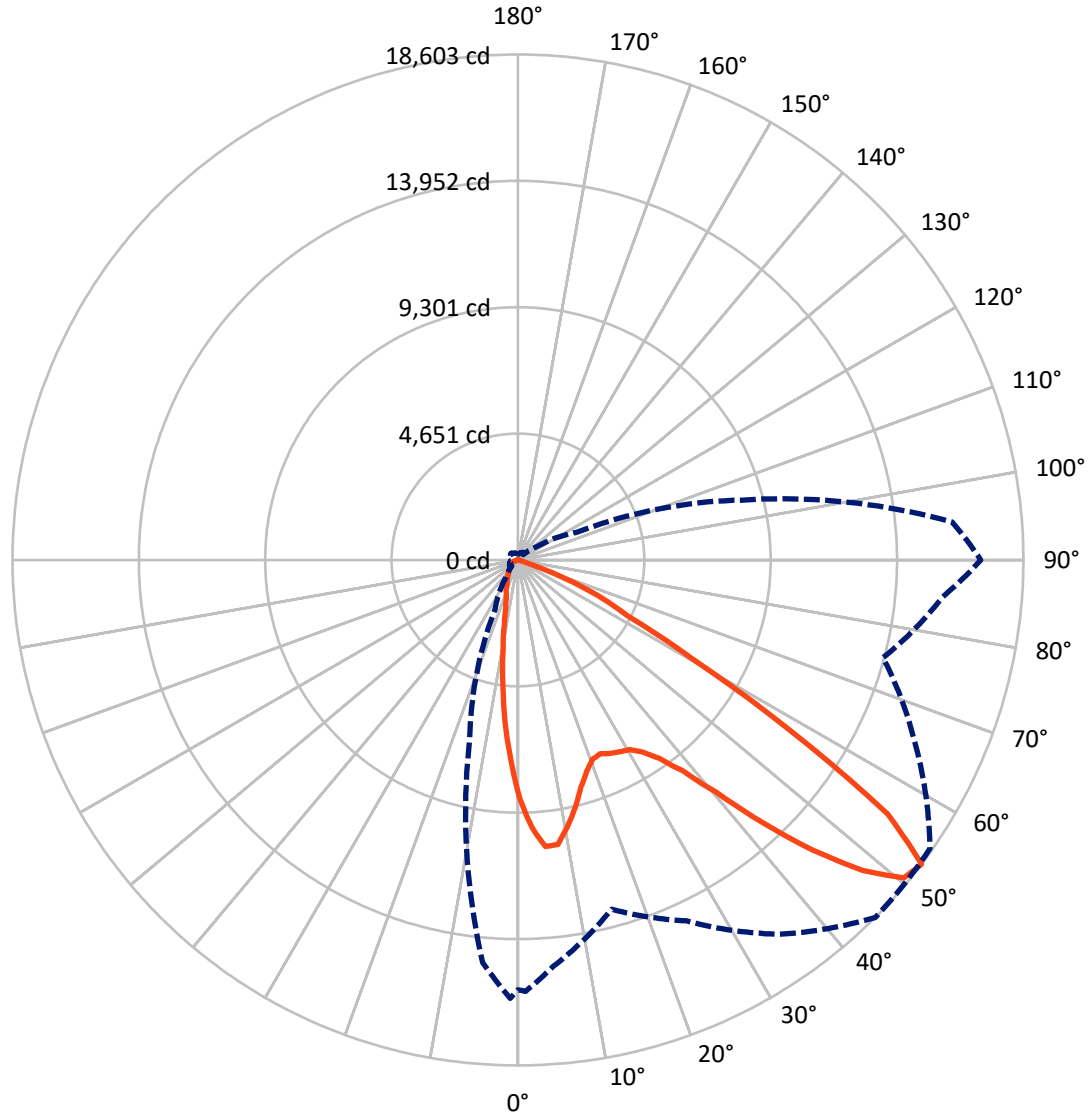
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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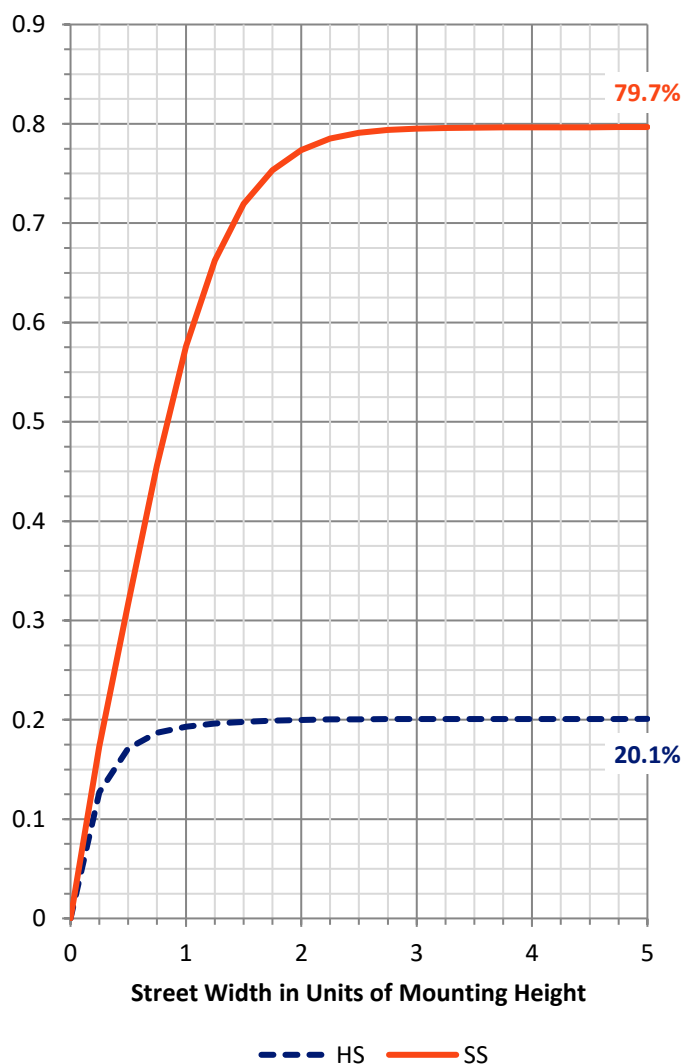
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3526.7	0.0	3526.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	13850.3	0.0	13850.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	17377.0	0.0	17377.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.6	3.7
10°-20°	1267.8	7.3
20°-30°	1929.3	11.1
30°-40°	2883.6	16.6
40°-50°	4106.5	23.6
50°-60°	4414.4	25.4
60°-70°	1956.1	11.3
70°-80°	158.3	0.9
80°-90°	18.4	0.1
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°	17377.0	100.0
0°-180°	17377.0	100.0

Coefficient of Utilization

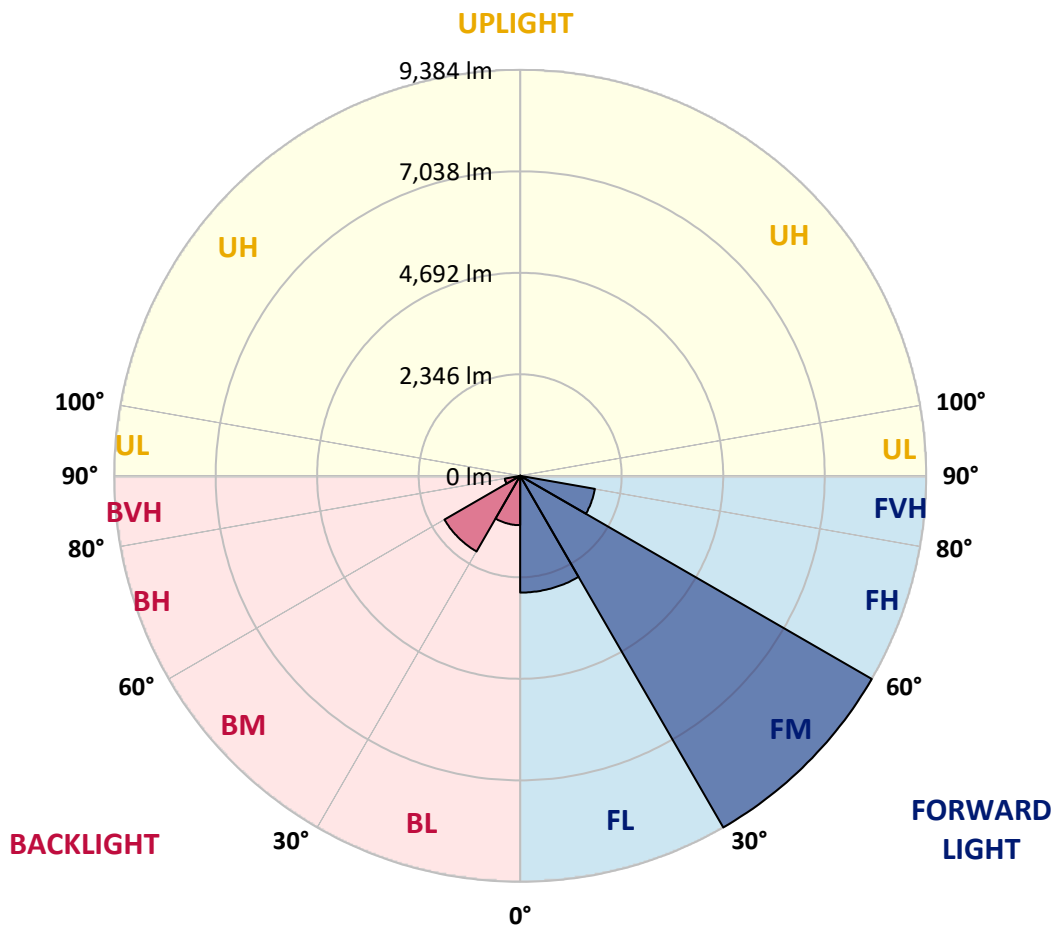


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2699.0	15.5			
FM (30°-60°)	9384.1	54.0			
FH (60°-80°)	1753.5	10.1			G1/1800
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	1140.7	6.6	B3/2500		
BM (30°-60°)	2020.4	11.6	B2/2500		
BH (60°-80°)	360.8	2.1	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9
2.5°	9323.6	9351.0	9501.3	9689.3	9788.4	10014.0	9856.8	9897.8	9812.3	9511.6	9275.8
5°	9039.9	9036.5	9227.9	9692.7	10133.6	10581.3	10595.0	10355.8	9935.4	9474.0	8814.4
7.5°	8185.5	8318.8	8517.0	9258.7	10075.5	10410.5	10571.1	10290.8	9644.9	8985.3	8270.9
10°	7539.5	7607.9	7942.8	8838.3	9436.4	9884.1	9983.2	9822.6	9327.0	8503.3	7703.6
12.5°	7167.0	7201.2	7594.2	8346.1	8978.4	9309.9	9357.8	9433.0	9077.5	8305.1	7344.7
15°	7170.4	7197.8	7727.5	8356.4	8605.9	8517.0	8674.2	8670.8	8824.6	8267.5	7645.5
17.5°	7686.5	7717.3	8195.8	8506.8	8397.4	8188.9	8178.7	8335.9	8660.6	8735.8	8100.1
20°	8575.1	8646.9	8998.9	8981.8	8366.6	7946.3	7830.1	7949.7	8705.0	9132.2	9016.0
22.5°	9771.3	9870.4	10116.5	9644.9	8506.8	7782.2	7744.6	7977.0	8998.9	10017.4	10055.0
25°	11158.9	11326.4	11446.0	10841.1	9005.8	8065.9	7888.2	8288.0	9395.4	10977.8	11377.7
27.5°	12078.3	12252.6	12225.3	11360.6	9340.7	8141.1	7990.7	8363.2	9740.6	11206.8	12068.1
30°	12796.0	12902.0	13093.4	11640.8	9675.6	8353.0	8096.6	8681.1	9853.4	11603.2	12902.0
32.5°	13633.4	13705.2	13718.8	12136.4	10191.7	8619.6	8424.7	9077.5	10352.3	11982.6	13640.2
35°	14477.6	14583.5	14361.4	12748.2	10509.6	9115.1	8971.6	9764.5	10752.2	12375.7	14453.6
37.5°	15393.5	15448.2	14935.5	13001.1	10964.1	9921.7	9843.1	10506.1	11446.0	13086.5	15355.9
40°	16162.5	16213.8	15547.3	13312.1	11442.6	11049.6	11251.2	11921.1	12389.3	13547.9	15807.1
42.5°	16589.7	16709.4	15752.4	13141.2	12403.0	12327.8	13223.3	13459.1	13483.0	13677.8	16210.4
45°	16705.9	16651.3	15414.0	13281.4	13243.8	14429.7	15243.1	15554.2	14569.8	13917.1	16312.9
47.5°	16169.4	16241.1	14915.0	13158.3	14347.7	16022.4	17075.1	17652.7	15379.9	13708.6	16060.0
50°	15735.3	15643.0	14754.4	13069.5	14645.0	16774.3	18397.7	18527.6	16124.9	13964.9	15783.1
52.5°	15820.7	15878.8	15010.7	13305.3	14651.9	16818.7	18602.8	18513.9	16148.8	13906.8	15684.0
55°	16001.9	15745.6	14901.4	12785.8	13671.0	15578.1	16511.1	16374.4	14904.8	13288.2	15441.4
57.5°	13807.7	14204.1	13701.7	11415.3	11220.5	11736.5	11719.4	12139.8	11117.9	11435.8	14057.2
60°	11206.8	11275.1	11463.1	9764.5	7765.1	7587.4	7341.3	7074.7	7481.4	9778.2	12785.8
62.5°	9856.8	9774.8	10444.6	8882.7	5482.1	4590.0	4549.0	4713.1	5772.6	9327.0	11992.9
65°	7163.6	7266.1	7751.4	6893.6	4115.0	3503.2	3441.7	3927.0	4672.1	7474.6	9152.7
67.5°	4374.7	4572.9	4617.4	4251.7	2792.3	2218.1	2129.3	2570.1	3373.3	4836.1	5365.9
70°	2019.9	2259.1	2484.7	2320.6	1616.6	912.5	861.3	1080.0	1702.0	2782.0	2847.0
72.5°	611.8	615.2	861.3	898.9	522.9	205.1	181.1	239.2	577.6	919.4	967.2
75°	44.4	47.8	116.2	133.3	99.1	51.3	54.7	64.9	123.0	205.1	153.8
77.5°	3.4	3.4	3.4	17.1	30.8	34.2	44.4	51.3	64.9	75.2	68.4
80°	3.4	0.0	3.4	13.7	23.9	34.2	41.0	47.8	51.3	58.1	51.3
82.5°	0.0	0.0	0.0	10.3	23.9	34.2	37.6	51.3	58.1	68.4	58.1
85°	0.0	0.0	0.0	10.3	23.9	37.6	34.2	17.1	0.0	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°	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9
2.5°	9316.8	9183.5	8879.3	8725.5	8363.2	8312.0	7956.5	7898.4	7778.8	7713.9	7556.6
5°	8523.9	8363.2	7867.6	7450.7	6965.4	6627.0	6367.3	6131.4	5994.7	5868.3	5926.4
7.5°	7877.9	7409.7	6859.4	6162.2	5601.7	5239.4	4842.9	4518.3	4326.9	4197.0	4227.8
10°	7201.2	6897.0	6131.4	5348.8	4672.1	4415.7	4104.7	3855.2	3585.2	3352.8	3243.4
12.5°	6989.3	6538.1	5577.8	4781.4	4268.8	4019.3	3663.8	3376.7	3031.5	2747.9	2648.8
15°	7026.9	6592.8	5427.4	4576.4	3971.4	3540.8	3117.0	2761.5	2382.2	2183.9	2081.4
17.5°	7638.7	6886.8	5526.5	4361.0	3557.9	2959.8	2436.9	1985.7	1702.0	1497.0	1452.5
20°	8390.6	7522.5	5738.4	4203.8	3219.5	2354.8	1780.6	1391.0	1155.2	1121.0	1110.8
22.5°	9491.1	8561.5	6193.0	4097.9	2806.0	1835.3	1220.1	1011.7	946.7	939.9	943.3
25°	11029.1	9863.6	6688.5	4009.0	2495.0	1414.9	998.0	857.9	837.3	827.1	844.2
27.5°	11695.5	10649.7	6951.7	3817.6	2211.3	1274.8	984.3	851.0	792.9	775.8	786.1
30°	12519.2	11172.6	7365.2	3489.5	1794.3	1049.2	919.4	926.2	898.9	813.4	786.1
32.5°	13612.9	11825.4	7573.7	3257.1	1602.9	868.1	673.3	618.6	690.4	704.1	728.0
35°	14313.5	12488.4	7679.7	3120.4	1503.8	741.7	570.8	519.5	502.4	505.8	519.5
37.5°	15615.7	13383.9	7813.0	2976.9	1428.6	646.0	516.1	468.2	444.3	444.3	458.0
40°	16394.9	14094.8	7994.1	2898.2	1353.4	587.9	468.2	427.2	406.7	406.7	413.5
42.5°	16589.7	14446.8	7932.6	2870.9	1268.0	574.2	427.2	396.5	372.5	369.1	365.7
45°	16938.3	14983.4	7942.8	2840.1	1179.1	522.9	403.3	369.1	334.9	331.5	328.1
47.5°	17321.1	15369.6	7963.3	2720.5	1093.7	437.5	420.4	341.8	300.8	293.9	293.9
50°	16993.0	15677.2	8141.1	2600.9	984.3	355.4	413.5	321.3	266.6	256.3	259.7
52.5°	17034.0	16039.5	8517.0	2433.4	847.6	283.7	334.9	304.2	242.7	225.6	229.0
55°	16377.8	15656.7	8568.3	2255.7	663.0	218.7	256.3	266.6	205.1	198.2	198.2
57.5°	14098.2	13257.4	7560.1	1828.5	437.5	181.1	184.6	232.4	177.7	170.9	174.3
60°	12064.6	10642.9	6083.6	1206.5	273.4	143.5	133.3	235.8	157.2	153.8	164.1
62.5°	10998.3	8746.0	4614.0	748.5	188.0	109.4	92.3	191.4	136.7	136.7	150.4
65°	7946.3	5875.1	2682.9	393.0	133.3	85.4	68.4	109.4	112.8	116.2	123.0
67.5°	4921.6	2966.6	1131.3	191.4	88.9	58.1	44.4	68.4	75.2	75.2	82.0
70°	2430.0	1182.5	376.0	109.4	68.4	47.8	30.8	37.6	37.6	34.2	37.6
72.5°	751.9	355.4	95.7	68.4	47.8	30.8	17.1	13.7	6.8	0.0	3.4
75°	85.4	68.4	61.5	47.8	30.8	13.7	3.4	0.0	0.0	0.0	0.0
77.5°	51.3	58.1	58.1	47.8	30.8	10.3	0.0	0.0	0.0	0.0	0.0
80°	41.0	44.4	47.8	44.4	27.3	13.7	0.0	0.0	0.0	0.0	0.0
82.5°	51.3	58.1	64.9	58.1	37.6	17.1	6.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	10.3	3.4	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9
2.5°	7491.7	7416.5	7522.5	7365.2	7361.8	7365.2	7320.8	7279.8	7344.7	7519.0	7536.1
5°	5717.9	5878.5	5929.8	6097.3	6005.0	5868.3	5895.6	5803.3	6028.9	6128.0	6049.4
7.5°	4162.8	4152.6	4497.8	4518.3	4562.7	4566.1	4559.3	4378.1	4193.6	4234.6	4357.6
10°	3229.8	3055.5	3222.9	3205.8	3315.2	3284.5	3328.9	3134.1	3199.0	3199.0	3277.6
12.5°	2631.7	2447.1	2416.3	2371.9	2416.3	2433.4	2450.5	2412.9	2522.3	2573.6	2628.2
15°	2009.6	1907.1	1879.8	1794.3	1808.0	1855.8	1896.8	1913.9	1879.8	1958.4	1965.2
17.5°	1459.4	1456.0	1473.0	1469.6	1456.0	1445.7	1442.3	1397.9	1384.2	1391.0	1418.4
20°	1107.3	1134.7	1192.8	1250.9	1281.7	1244.1	1192.8	1117.6	1086.8	1093.7	1097.1
22.5°	946.7	987.7	1066.3	1131.3	1162.0	1093.7	1001.4	936.5	922.8	919.4	916.0
25°	857.9	905.7	963.8	984.3	980.9	939.9	871.5	844.2	837.3	830.5	799.8
27.5°	810.0	827.1	837.3	861.3	871.5	844.2	827.1	786.1	779.2	779.2	758.7
30°	782.7	772.4	786.1	769.0	782.7	762.2	765.6	765.6	748.5	755.3	755.3
32.5°	728.0	731.4	731.4	697.2	707.5	683.5	707.5	728.0	731.4	734.8	762.2
35°	533.2	594.7	625.4	625.4	635.7	618.6	615.2	591.3	560.5	529.8	516.1
37.5°	468.2	492.2	533.2	557.1	574.2	560.5	529.8	492.2	475.1	461.4	447.7
40°	417.0	437.5	464.8	492.2	526.3	509.2	461.4	444.3	423.8	423.8	410.1
42.5°	376.0	386.2	403.3	444.3	481.9	447.7	413.5	399.9	389.6	386.2	382.8
45°	338.4	341.8	358.9	393.0	437.5	403.3	369.1	352.0	355.4	358.9	355.4
47.5°	304.2	311.0	321.3	362.3	389.6	372.5	334.9	324.7	324.7	324.7	328.1
50°	263.2	280.3	300.8	334.9	355.4	345.2	314.4	300.8	293.9	293.9	297.3
52.5°	235.8	249.5	276.8	317.9	345.2	328.1	297.3	276.8	263.2	259.7	266.6
55°	205.1	229.0	273.4	304.2	341.8	324.7	290.5	266.6	242.7	239.2	239.2
57.5°	184.6	222.2	263.2	300.8	331.5	317.9	290.5	259.7	229.0	225.6	225.6
60°	174.3	215.3	256.3	290.5	331.5	311.0	287.1	252.9	218.7	218.7	215.3
62.5°	164.1	201.6	242.7	276.8	317.9	300.8	276.8	242.7	208.5	208.5	201.6
65°	136.7	174.3	201.6	232.4	276.8	259.7	235.8	211.9	184.6	177.7	181.1
67.5°	95.7	119.6	147.0	177.7	205.1	198.2	188.0	170.9	147.0	143.5	140.1
70°	47.8	64.9	88.9	119.6	143.5	136.7	129.9	116.2	102.5	99.1	99.1
72.5°	6.8	20.5	37.6	54.7	75.2	78.6	75.2	71.8	68.4	64.9	68.4
75°	0.0	0.0	0.0	13.7	30.8	37.6	44.4	51.3	51.3	44.4	54.7
77.5°	0.0	0.0	0.0	0.0	3.4	17.1	34.2	44.4	54.7	47.8	64.9
80°	0.0	0.0	0.0	0.0	3.4	20.5	34.2	47.8	54.7	47.8	68.4
82.5°	0.0	0.0	0.0	0.0	3.4	23.9	34.2	44.4	51.3	47.8	61.5
85°	0.0	0.0	0.0	0.0	10.3	20.5	13.7	6.8	3.4	3.4	10.3
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: P531017

CATALOG NUMBER: GALN-SA6B-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9	8810.9
2.5°	7631.8	7874.5	8134.2	8233.3	8540.9	8773.4	8930.6	9268.9	9320.2	9323.6
5°	6131.4	6254.5	6698.8	6907.3	7365.2	7720.7	8100.1	8646.9	9012.6	9039.9
7.5°	4357.6	4699.4	4887.4	5430.8	5994.7	6551.8	7115.7	7751.4	8175.2	8185.5
10°	3506.6	3728.8	4063.7	4470.4	4945.5	5512.8	6264.7	7003.0	7433.6	7539.5
12.5°	2823.1	3212.7	3595.5	4015.9	4378.1	4805.3	5615.4	6599.7	6955.1	7167.0
15°	2173.7	2529.1	2980.3	3472.4	3882.6	4453.3	5376.1	6500.6	7098.7	7170.4
17.5°	1602.9	1920.8	2337.7	2802.6	3417.7	4227.8	5417.1	7003.0	7566.9	7686.5
20°	1151.8	1336.3	1664.4	2204.4	2987.1	3964.6	5458.1	7512.2	8370.1	8575.1
22.5°	912.5	987.7	1203.0	1681.5	2505.2	3687.7	5748.6	8486.3	9474.0	9771.3
25°	792.9	833.9	936.5	1326.1	2201.0	3660.4	6213.5	9655.1	10943.6	11158.9
27.5°	765.6	772.4	861.3	1216.7	2037.0	3479.3	6391.2	10485.6	11859.6	12078.3
30°	806.6	916.0	922.8	1028.7	1732.8	3120.4	6483.5	11288.8	12635.4	12796.0
32.5°	697.2	663.0	687.0	796.3	1524.3	2911.9	6657.8	11989.4	13520.6	13633.4
35°	485.3	509.2	563.9	690.4	1332.9	2693.2	6702.2	12761.9	14361.4	14477.6
37.5°	447.7	461.4	505.8	587.9	1172.3	2570.1	6640.7	13325.8	15232.9	15393.5
40°	417.0	434.1	458.0	533.2	1052.7	2433.4	6555.2	13835.0	15766.1	16162.5
42.5°	393.0	406.7	427.2	509.2	950.1	2296.7	6435.6	14552.8	16244.5	16589.7
45°	365.7	386.2	410.1	495.6	892.0	2204.4	6346.8	14508.3	16521.4	16705.9
47.5°	338.4	372.5	399.9	461.4	874.9	2160.0	6384.3	14340.9	16295.8	16169.4
50°	311.0	355.4	403.3	382.8	833.9	2071.2	6428.8	14569.8	15759.2	15735.3
52.5°	287.1	338.4	376.0	314.4	741.7	1985.7	6859.4	14870.6	16138.6	15820.7
55°	252.9	304.2	300.8	252.9	601.5	1920.8	7197.8	14877.4	15882.3	16001.9
57.5°	229.0	270.0	235.8	211.9	444.3	1606.3	6647.5	12474.8	13595.8	13807.7
60°	211.9	263.2	177.7	167.5	290.5	1158.6	5803.3	9662.0	10806.9	11206.8
62.5°	194.8	249.5	140.1	136.7	201.6	823.7	4771.2	8086.4	9313.4	9856.8
65°	170.9	177.7	112.8	106.0	143.5	444.3	2905.1	5567.5	6961.9	7163.6
67.5°	140.1	136.7	92.3	85.4	95.7	215.3	1281.7	2788.9	4036.4	4374.7
70°	112.8	112.8	78.6	68.4	68.4	99.1	334.9	1110.8	1825.1	2019.9
72.5°	82.0	85.4	61.5	54.7	51.3	47.8	54.7	222.2	478.5	611.8
75°	71.8	75.2	61.5	47.8	37.6	30.8	23.9	20.5	27.3	44.4
77.5°	78.6	78.6	64.9	44.4	34.2	23.9	13.7	6.8	6.8	3.4
80°	99.1	102.5	85.4	58.1	41.0	27.3	17.1	6.8	3.4	3.4
82.5°	106.0	116.2	95.7	71.8	51.3	30.8	17.1	3.4	0.0	0.0
85°	27.3	44.4	75.2	64.9	51.3	30.8	17.1	3.4	0.0	0.0
87.5°	0.0	3.4	10.3	10.3	13.7	13.7	10.3	3.4	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)