

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: P531253

Luminaire Tested: **GALN-SA6C-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531253
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-SA6C-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA 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: 21470 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

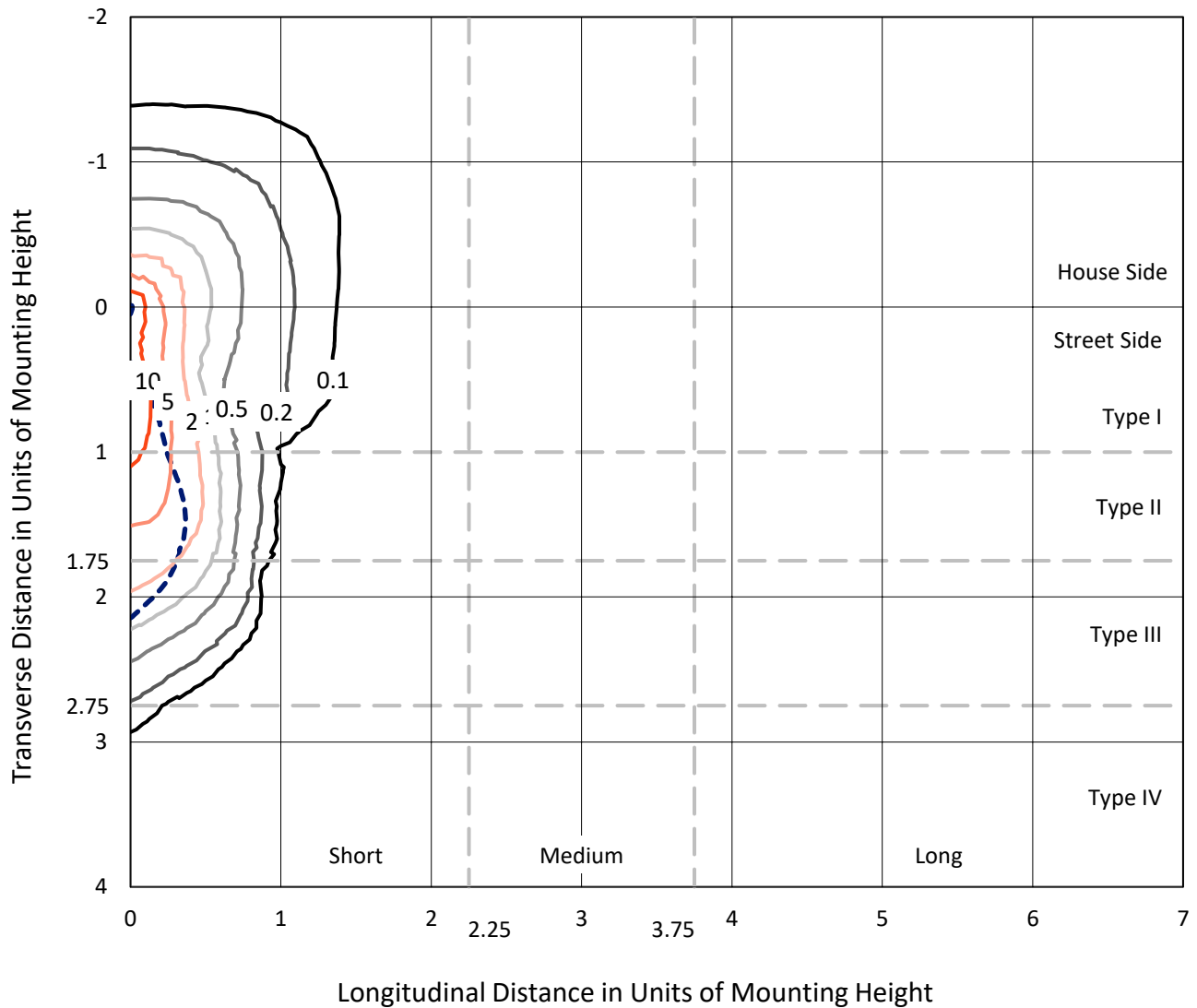
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

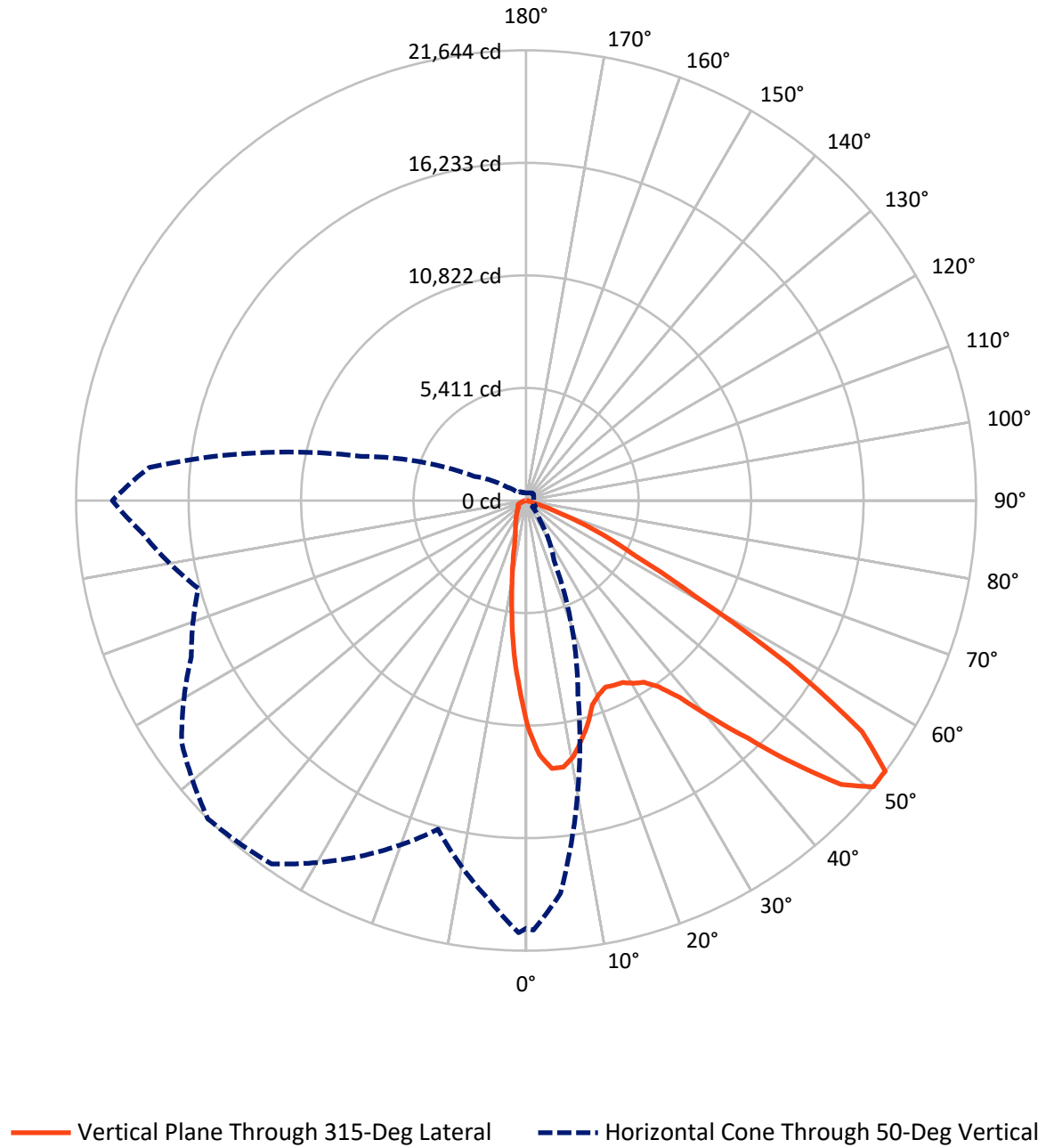
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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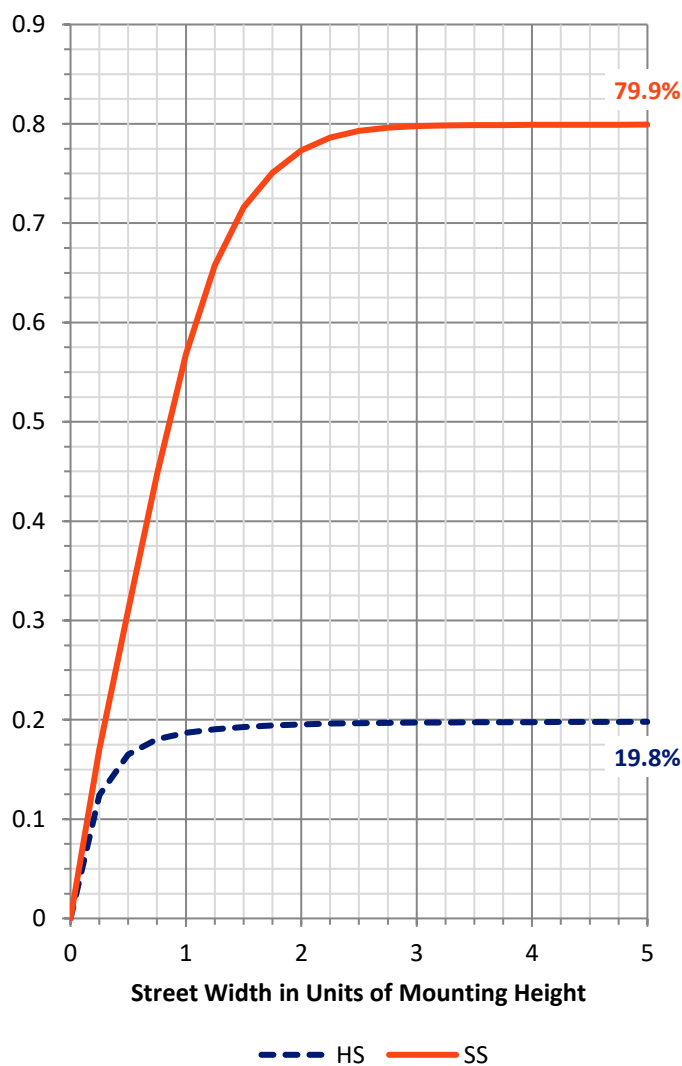
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4300.4	0.0	4300.4
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	17169.6	0.0	17169.6
	% Fixture	80.0	0.0	80.0
Total	Lumens	21470.0	0.0	21470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.6	3.7
10°-20°	1577.3	7.3
20°-30°	2369.6	11.0
30°-40°	3556.6	16.6
40°-50°	4998.6	23.3
50°-60°	5391.9	25.1
60°-70°	2503.4	11.7
70°-80°	235.6	1.1
80°-90°	43.4	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°	21470.0	100.0
0°-180°	21470.0	100.0

Coefficient of Utilization



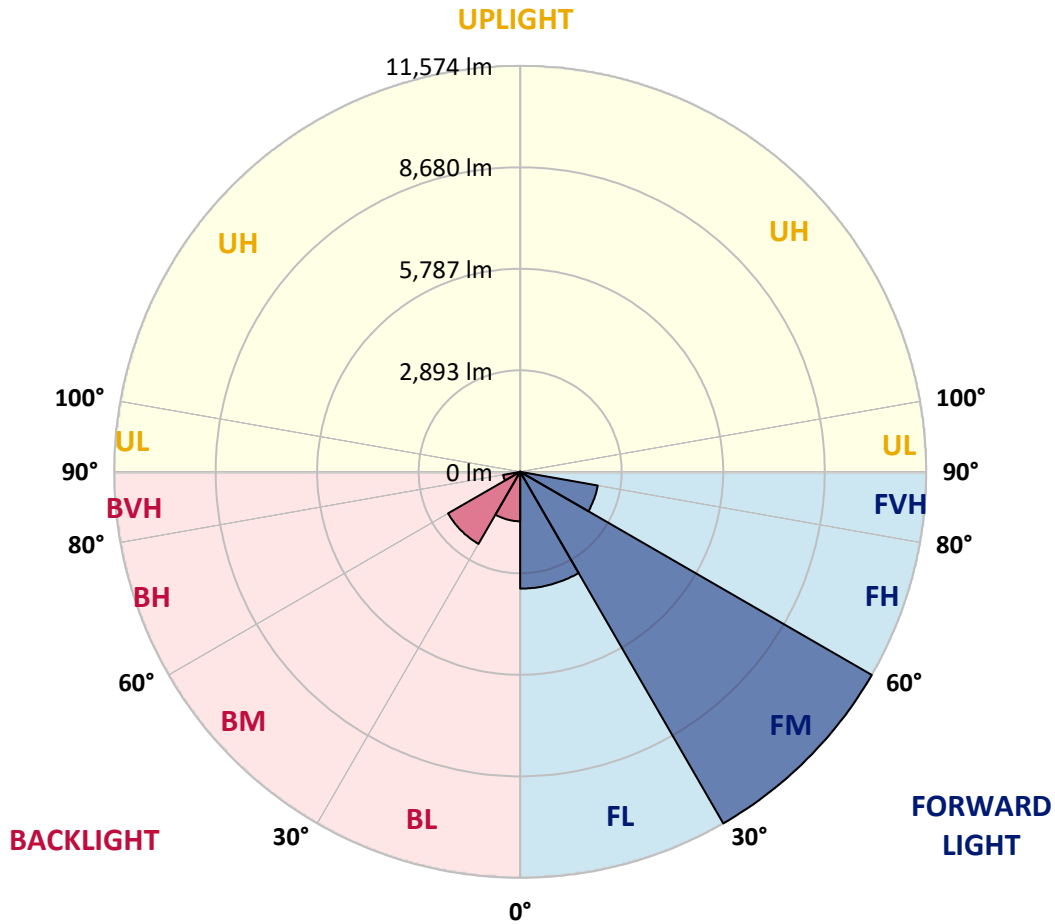
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3330.9	15.5			
FM (30°-60°)	11573.9	53.9			
FH (60°-80°)	2245.2	10.5			G2/5000
FVH (80°-90°)	19.6	0.1			G1/100
BL (0°-30°)	1409.6	6.6	B3/2500		
BM (30°-60°)	2373.2	11.1	B2/2500		
BH (60°-80°)	493.8	2.3	B1/500		G1/500
BVH (80°-90°)	23.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0
2.5°	11318.2	11143.6	10922.1	10738.9	10466.3	9916.8	9767.7	9588.8	9439.7	9239.5	8958.3
5°	10291.6	10236.3	10134.0	9443.9	8945.5	8281.0	7735.8	7505.7	7203.3	6956.2	6777.3
7.5°	9507.8	9286.3	8962.6	8268.2	7471.7	6760.3	6155.4	5801.8	5401.4	5265.1	5022.3
10°	8668.7	8719.8	8242.7	7267.2	6304.5	5729.4	5354.5	5013.8	4651.7	4413.1	4068.1
12.5°	8400.3	8234.2	7867.8	6662.3	5840.2	5303.4	4847.6	4425.9	4042.5	3659.2	3326.9
15°	8574.9	8319.3	7808.2	6534.5	5482.3	4813.6	4242.7	3671.9	3318.4	2828.5	2483.5
17.5°	9201.1	8996.7	8310.8	6670.8	5299.2	4345.0	3497.3	2909.4	2368.4	1925.4	1750.8
20°	10244.8	9955.1	9094.6	6845.5	5026.5	3778.4	2837.0	2112.9	1601.7	1414.2	1316.3
22.5°	11267.1	11109.5	10023.3	7182.0	4783.7	3275.8	2129.9	1422.8	1197.0	1162.9	1099.0
25°	13213.8	12741.0	11441.8	7791.1	4596.3	2802.9	1605.9	1145.9	1013.8	988.3	996.8
27.5°	14372.5	13976.3	12753.8	8195.8	4387.6	2440.9	1358.9	1052.2	962.7	907.3	886.0
30°	15484.3	15024.2	13405.5	8434.4	3940.3	2057.5	1205.5	1009.6	988.3	907.3	881.8
32.5°	16340.5	15889.0	14346.9	8792.2	3757.1	1810.4	992.5	788.1	732.7	724.2	800.8
35°	17652.5	17171.2	15152.0	8988.1	3616.6	1682.6	860.5	702.9	639.0	613.4	617.7
37.5°	18875.1	18547.1	15897.5	9064.8	3467.5	1644.3	771.0	630.4	575.1	558.0	553.8
40°	19897.4	19164.7	16604.6	9145.7	3403.6	1571.9	715.6	575.1	536.7	511.2	511.2
42.5°	20366.0	19620.5	17396.9	9098.9	3386.5	1456.8	715.6	528.2	498.4	472.8	468.6
45°	20263.8	19961.3	17750.5	9077.6	3386.5	1341.8	651.7	515.4	472.8	438.8	430.2
47.5°	20527.9	20131.7	18193.5	9167.0	3318.4	1260.9	549.5	541.0	447.3	404.7	396.2
50°	20574.7	20651.4	18964.5	9631.4	3169.3	1158.7	430.2	532.5	430.2	366.3	357.8
52°	20881.4	20404.3	19198.8	9878.4	3011.7	1082.0	362.1	455.8	413.2	340.8	332.3
52.5°	20459.7	20770.7	19254.2	9967.9	3028.7	1030.9	349.3	447.3	404.7	340.8	319.5
55°	19986.9	20285.1	19028.4	10159.6	2777.4	809.4	272.6	323.7	366.3	298.2	285.4
57.5°	17371.4	17673.8	16536.5	9303.4	2261.9	570.8	225.8	242.8	323.7	276.9	264.1
60°	15441.7	15224.5	13878.4	7761.3	1605.9	319.5	178.9	187.4	353.6	255.6	251.3
62.5°	14112.6	13648.3	11599.4	5993.5	979.7	213.0	140.6	144.8	272.6	238.5	238.5
65°	10440.7	9921.0	7705.9	3625.1	481.4	149.1	106.5	115.0	170.4	204.5	204.5
67.5°	5959.4	5759.2	3723.0	1635.8	200.2	93.7	80.9	89.5	132.1	166.1	157.6
70°	2739.0	2457.9	1431.3	345.0	93.7	63.9	63.9	72.4	106.5	123.5	115.0
72.5°	800.8	758.2	349.3	55.4	38.3	38.3	42.6	55.4	80.9	93.7	85.2
75°	59.6	38.3	25.6	17.0	17.0	25.6	34.1	55.4	80.9	89.5	72.4
77.5°	4.3	8.5	4.3	4.3	12.8	25.6	38.3	68.2	106.5	110.8	80.9
80°	4.3	4.3	0.0	4.3	12.8	25.6	42.6	76.7	119.3	127.8	68.2
82.5°	0.0	0.0	0.0	4.3	17.0	34.1	51.1	80.9	110.8	136.3	72.4
85°	0.0	0.0	0.0	4.3	25.6	46.9	59.6	21.3	12.8	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°	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0
2.5°	9158.5	9047.8	9005.2	9043.5	9030.7	9018.0	9252.2	9201.1	9192.6	9269.3	9252.2
5°	6875.3	6679.3	7216.1	6998.8	7224.6	7360.9	7386.5	7399.2	7556.8	7390.7	7608.0
7.5°	4898.7	4949.9	4945.6	5090.4	5350.3	5580.3	5716.6	5610.1	5601.6	5580.3	5486.6
10°	3914.7	3825.3	3808.2	3774.2	3855.1	4051.1	4217.2	4085.1	3991.4	4119.2	4080.9
12.5°	3199.1	3075.6	3007.4	2871.1	2875.4	3007.4	3007.4	3007.4	3101.1	3173.5	3228.9
15°	2453.6	2351.4	2351.4	2215.1	2185.3	2189.5	2257.7	2266.2	2415.3	2457.9	2479.2
17.5°	1716.7	1661.3	1725.2	1780.6	1746.5	1755.0	1780.6	1789.1	1810.4	1793.4	1836.0
20°	1320.5	1312.0	1329.1	1427.0	1499.4	1542.0	1512.2	1469.6	1444.1	1384.4	1384.4
22.5°	1120.3	1137.4	1167.2	1248.1	1341.8	1367.4	1333.3	1235.3	1158.7	1150.1	1154.4
25°	996.8	1013.8	1060.7	1111.8	1162.9	1205.5	1171.4	1099.0	1056.4	1018.1	1018.1
27.5°	920.1	928.6	954.2	992.5	1035.1	1069.2	1056.4	1018.1	971.2	954.2	915.9
30°	860.5	873.3	903.1	911.6	949.9	967.0	945.7	937.2	907.3	886.0	873.3
32.5°	830.7	826.4	847.7	856.2	860.5	873.3	847.7	860.5	856.2	822.1	809.4
35°	626.2	660.3	715.6	762.5	775.3	792.3	788.1	771.0	724.2	685.8	639.0
37.5°	562.3	583.6	613.4	651.7	702.9	724.2	715.6	673.0	617.7	592.1	583.6
40°	519.7	532.5	558.0	583.6	634.7	673.0	643.2	604.9	562.3	541.0	528.2
42.5°	481.4	485.6	498.4	524.0	562.3	621.9	570.8	519.7	502.7	489.9	481.4
45°	438.8	438.8	455.8	468.6	511.2	566.6	515.4	468.6	460.1	451.5	447.3
47.5°	404.7	408.9	417.5	434.5	468.6	506.9	472.8	434.5	413.2	408.9	400.4
50°	362.1	366.3	383.4	400.4	443.0	464.3	443.0	400.4	379.1	366.3	366.3
52°	328.0	340.8	357.8	391.9	421.7	455.8	430.2	383.4	357.8	345.0	336.5
52.5°	323.7	332.3	349.3	387.6	421.7	451.5	426.0	379.1	349.3	340.8	332.3
55°	289.7	302.4	332.3	379.1	417.5	451.5	417.5	374.9	332.3	311.0	302.4
57.5°	276.9	285.4	323.7	383.4	413.2	451.5	417.5	374.9	332.3	293.9	285.4
60°	264.1	281.1	323.7	370.6	408.9	455.8	421.7	370.6	323.7	276.9	276.9
62.5°	251.3	264.1	319.5	362.1	391.9	438.8	404.7	362.1	311.0	264.1	259.8
65°	217.2	238.5	281.1	302.4	336.5	379.1	345.0	315.2	272.6	234.3	230.0
67.5°	166.1	174.7	208.7	234.3	255.6	293.9	276.9	238.5	208.7	178.9	178.9
70°	115.0	123.5	149.1	161.9	183.2	204.5	191.7	161.9	140.6	123.5	119.3
72.5°	80.9	85.2	93.7	102.2	110.8	119.3	115.0	93.7	80.9	76.7	72.4
75°	63.9	72.4	76.7	72.4	68.2	63.9	63.9	55.4	46.9	42.6	42.6
77.5°	63.9	68.2	63.9	55.4	46.9	42.6	38.3	34.1	25.6	21.3	25.6
80°	55.4	55.4	55.4	46.9	42.6	38.3	34.1	29.8	25.6	21.3	21.3
82.5°	59.6	59.6	55.4	46.9	46.9	38.3	38.3	34.1	29.8	21.3	21.3
85°	0.0	0.0	0.0	8.5	21.3	38.3	38.3	34.1	29.8	25.6	25.6
87.5°	0.0	0.0	0.0	0.0	4.3	8.5	17.0	21.3	25.6	25.6	25.6
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°	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0
2.5°	9405.6	9567.5	9874.2	10180.9	10368.3	10589.8	10990.2	11203.2	11480.1	11616.4	11884.8
5°	7578.1	7961.5	8097.8	8447.1	8822.0	9196.9	9793.2	10449.2	10994.5	11369.4	11855.0
7.5°	5529.2	5618.6	6146.9	6381.1	6994.6	7676.1	8489.7	9316.1	10006.2	10619.6	10990.2
10°	4144.8	4472.8	4805.0	5252.3	5746.4	6449.3	7228.8	8140.4	9035.0	9648.4	10117.0
12.5°	3331.1	3591.0	4034.0	4515.4	5124.5	5588.8	6372.6	7275.7	8434.4	9035.0	9652.7
15°	2521.8	2854.1	3356.7	3855.1	4498.3	4988.2	5780.5	6917.9	8408.8	9235.2	9767.7
17.5°	1870.0	2095.8	2547.3	3105.4	3761.4	4451.5	5520.7	6879.5	8694.2	9678.2	10227.7
20°	1431.3	1508.0	1793.4	2291.8	3003.1	3906.2	5099.0	7045.7	9537.6	10755.9	11314.0
22.5°	1158.7	1192.7	1303.5	1648.5	2338.6	3429.1	4898.7	7160.7	10487.6	12046.7	12792.1
25°	1009.6	1001.0	1073.5	1222.6	1827.4	2981.8	4643.2	7595.2	11650.5	13563.1	14231.9
27.5°	920.1	920.1	954.2	1060.7	1516.5	2692.2	4481.3	7906.2	12821.9	14896.4	15258.5
30°	873.3	881.8	979.7	1013.8	1260.9	2347.1	4212.9	8221.4	13942.3	15748.4	16246.8
32.5°	809.4	775.3	754.0	839.2	1060.7	2036.2	3944.6	8353.4	14849.6	16792.1	17218.0
35°	621.9	604.9	630.4	694.3	911.6	1772.1	3646.4	8502.5	15893.2	18001.8	18087.0
37.5°	562.3	558.0	575.1	630.4	766.8	1542.0	3433.4	8464.2	16689.8	19002.9	18772.8
40°	519.7	519.7	532.5	579.3	685.8	1380.2	3211.9	8430.1	17460.8	20127.5	19454.4
42.5°	485.6	485.6	506.9	536.7	651.7	1273.7	3045.7	8383.2	18108.3	20817.5	19854.8
45°	438.8	451.5	485.6	515.4	660.3	1201.3	2922.2	8204.3	18329.8	20809.0	19663.1
47.5°	404.7	421.7	455.8	498.4	596.4	1180.0	2837.0	8046.7	18253.2	20297.8	19062.5
50°	366.3	387.6	434.5	506.9	506.9	1137.4	2747.6	8187.3	18197.8	19901.7	18487.4
52°	340.8	357.8	417.5	494.1	443.0	1047.9	2692.2	8459.9	18423.5	19850.6	18231.9
52.5°	336.5	349.3	404.7	485.6	421.7	1030.9	2653.8	8523.8	18496.0	19722.8	18406.5
55°	298.2	315.2	370.6	379.1	345.0	847.7	2530.3	8668.7	18138.1	19471.5	18240.4
57.5°	281.1	289.7	328.0	311.0	298.2	639.0	2176.7	8442.9	16110.5	17294.7	16971.0
60°	259.8	268.4	306.7	242.8	251.3	447.3	1635.8	7331.1	12937.0	14410.8	14994.4
62.5°	251.3	247.1	289.7	195.9	213.0	323.7	1154.4	5959.4	9967.9	11863.5	12873.1
65°	221.5	217.2	208.7	166.1	183.2	251.3	690.1	3889.2	7024.4	8975.4	9529.1
67.5°	170.4	178.9	153.4	132.1	153.4	195.9	383.4	1742.2	3684.7	5384.4	5831.6
70°	119.3	127.8	123.5	115.0	136.3	161.9	221.5	596.4	1525.0	2828.5	3118.2
72.5°	72.4	89.5	93.7	98.0	119.3	140.6	157.6	191.7	404.7	1001.0	1243.9
75°	42.6	59.6	72.4	85.2	98.0	119.3	132.1	136.3	140.6	187.4	302.4
77.5°	29.8	42.6	63.9	80.9	98.0	119.3	140.6	149.1	140.6	132.1	140.6
80°	25.6	42.6	59.6	76.7	102.2	123.5	140.6	140.6	136.3	119.3	127.8
82.5°	25.6	42.6	63.9	80.9	98.0	119.3	136.3	140.6	127.8	119.3	123.5
85°	29.8	46.9	68.2	85.2	106.5	98.0	89.5	72.4	68.2	55.4	59.6
87.5°	29.8	42.6	42.6	46.9	51.1	51.1	51.1	46.9	38.3	34.1	34.1
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: P531253

CATALOG NUMBER: GALN-SA6C-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0	10888.0
2.5°	11897.6	12238.3	12225.6	12234.1	12183.0	11837.9	11671.8	11250.1	11369.4	11318.2
5°	12353.4	12689.9	12979.5	12945.5	12553.6	12085.0	11390.7	10734.6	10555.7	10291.6
7.5°	11897.6	12706.9	12975.3	12937.0	12357.6	11757.0	10649.4	9993.4	9682.5	9507.8
10°	11173.4	12110.6	12442.8	12511.0	12119.1	11207.5	10189.4	9137.2	8971.1	8668.7
12.5°	10760.2	11441.8	11646.2	11829.4	11693.1	11011.5	9840.1	8830.5	8600.5	8400.3
15°	10423.7	10828.4	10913.6	11122.3	11203.2	10836.9	10023.3	9162.8	8596.2	8574.9
17.5°	10734.6	10568.5	10257.5	10321.4	10577.0	10841.1	10496.1	9818.8	9269.3	9201.1
20°	11250.1	10517.4	9814.5	9972.1	10185.1	10994.5	11211.7	10734.6	10419.4	10244.8
22.5°	11842.2	10606.9	9674.0	9750.6	10155.3	11339.5	12370.4	12106.3	11518.4	11267.1
25°	12937.0	10853.9	9784.7	9835.8	10389.6	11820.9	13418.3	13614.3	13265.0	13213.8
27.5°	14006.2	11492.9	10027.5	9912.5	10508.9	12289.5	14053.0	15105.2	14491.8	14372.5
30°	14551.4	12012.6	10389.6	10193.7	11003.0	12574.9	14436.4	16076.4	15539.7	15484.3
32.5°	15386.3	12485.4	10670.7	10419.4	11279.9	12928.4	15152.0	17137.1	16617.4	16340.5
35°	15735.6	13000.8	11288.4	10994.5	12072.2	13422.6	15518.4	18082.8	17920.9	17652.5
37.5°	16408.7	13554.6	12016.8	11999.8	13030.7	14065.8	16178.6	19369.2	19339.4	18875.1
40°	16464.0	14159.5	13167.0	13703.7	14513.1	15186.1	16758.0	19727.0	20212.7	19897.4
42.5°	16549.2	15220.2	15156.3	15599.3	16293.7	16148.8	16779.3	19812.2	20553.4	20366.0
45°	16587.6	16280.9	17179.7	17997.6	18287.2	17409.7	16579.1	19650.4	20732.3	20263.8
47.5°	16280.9	17192.5	18815.4	20395.8	20481.0	18185.0	16493.9	19484.2	20838.8	20527.9
50°	16323.5	17763.3	20229.7	21643.9	21333.0	18870.8	16361.8	19382.0	20783.5	20574.7
52°	16221.2	17776.1	20429.9	21618.4	21401.1	18491.7	16136.0	18990.1	20732.3	20881.4
52.5°	16336.3	17699.4	20221.2	21635.4	21354.3	18679.1	16106.2	19207.3	20762.2	20459.7
55°	15940.1	16787.8	18998.6	19599.2	19556.6	16953.9	15190.4	18487.4	19982.6	19986.9
57.5°	14406.6	14551.4	14900.7	14887.9	14692.0	13328.9	12992.3	17000.8	17814.4	17371.4
60°	12694.1	10653.7	9712.3	9328.9	9111.7	8890.2	11492.9	15552.5	15629.1	15441.7
62.5°	10968.9	7386.5	6134.1	6027.6	6078.7	6888.1	11109.5	14977.4	14517.3	14112.6
65°	8851.8	5384.4	4455.7	4315.2	4813.6	5686.8	8992.4	11484.4	10777.2	10440.7
67.5°	5559.0	3927.5	3011.7	2747.6	3348.2	3914.7	5908.3	7216.1	6423.7	5959.4
70°	3297.1	2193.8	1363.1	1222.6	1375.9	2087.3	3309.8	3599.5	2977.6	2739.0
72.5°	1299.2	805.1	379.1	323.7	336.5	732.7	1218.3	1188.5	898.8	800.8
75°	349.3	242.8	132.1	106.5	89.5	136.3	195.9	127.8	46.9	59.6
77.5°	161.9	144.8	115.0	89.5	68.2	51.1	25.6	8.5	8.5	4.3
80°	140.6	123.5	106.5	89.5	68.2	42.6	21.3	4.3	4.3	4.3
82.5°	132.1	115.0	98.0	80.9	63.9	42.6	21.3	4.3	0.0	0.0
85°	55.4	72.4	80.9	76.7	68.2	42.6	21.3	4.3	0.0	0.0
87.5°	29.8	25.6	21.3	17.0	12.8	8.5	8.5	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)