

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: P531875

Luminaire Tested: **GALN-SA7B-722-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531875
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-SA7B-722-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2200K, 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: 16107 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

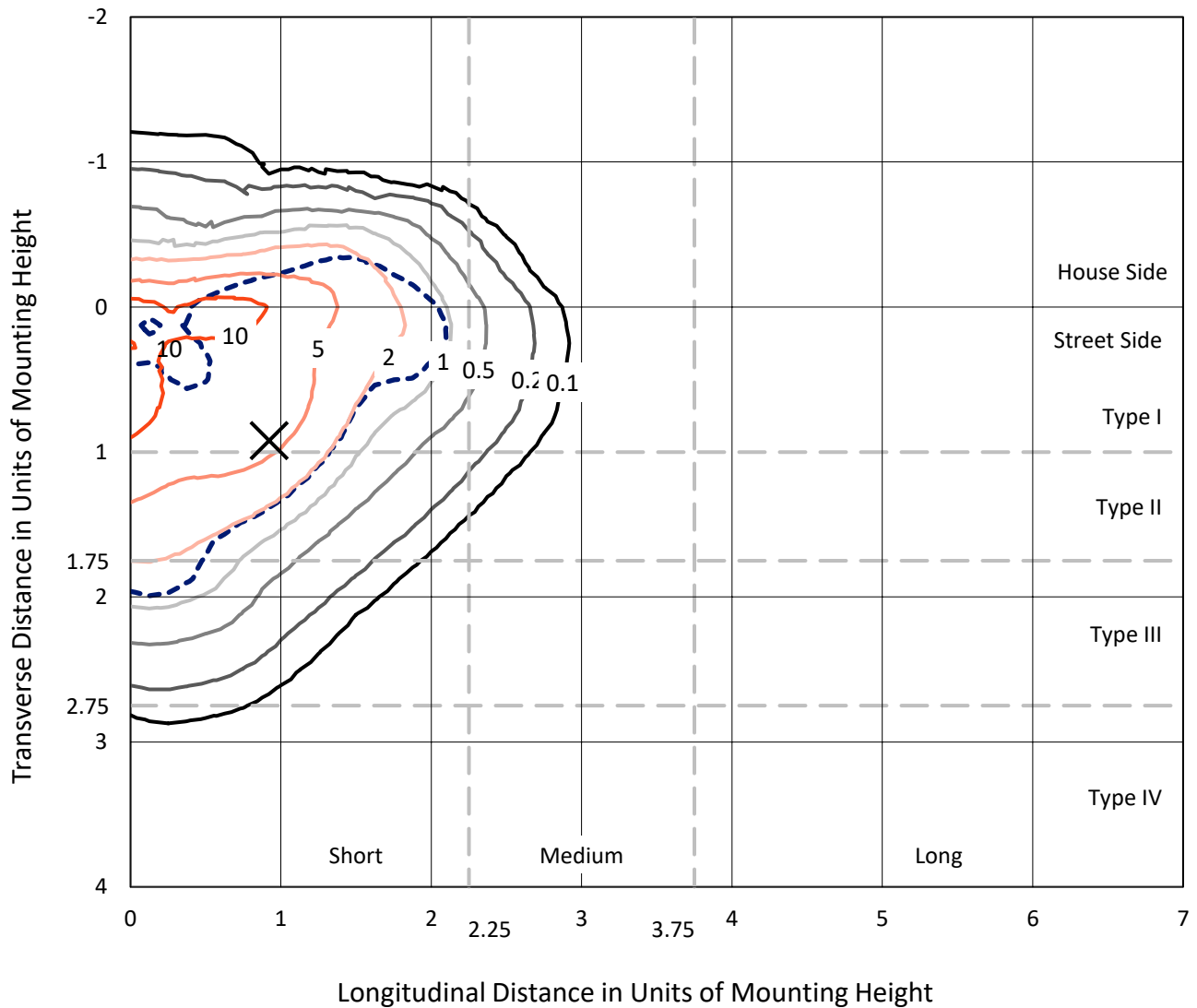
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

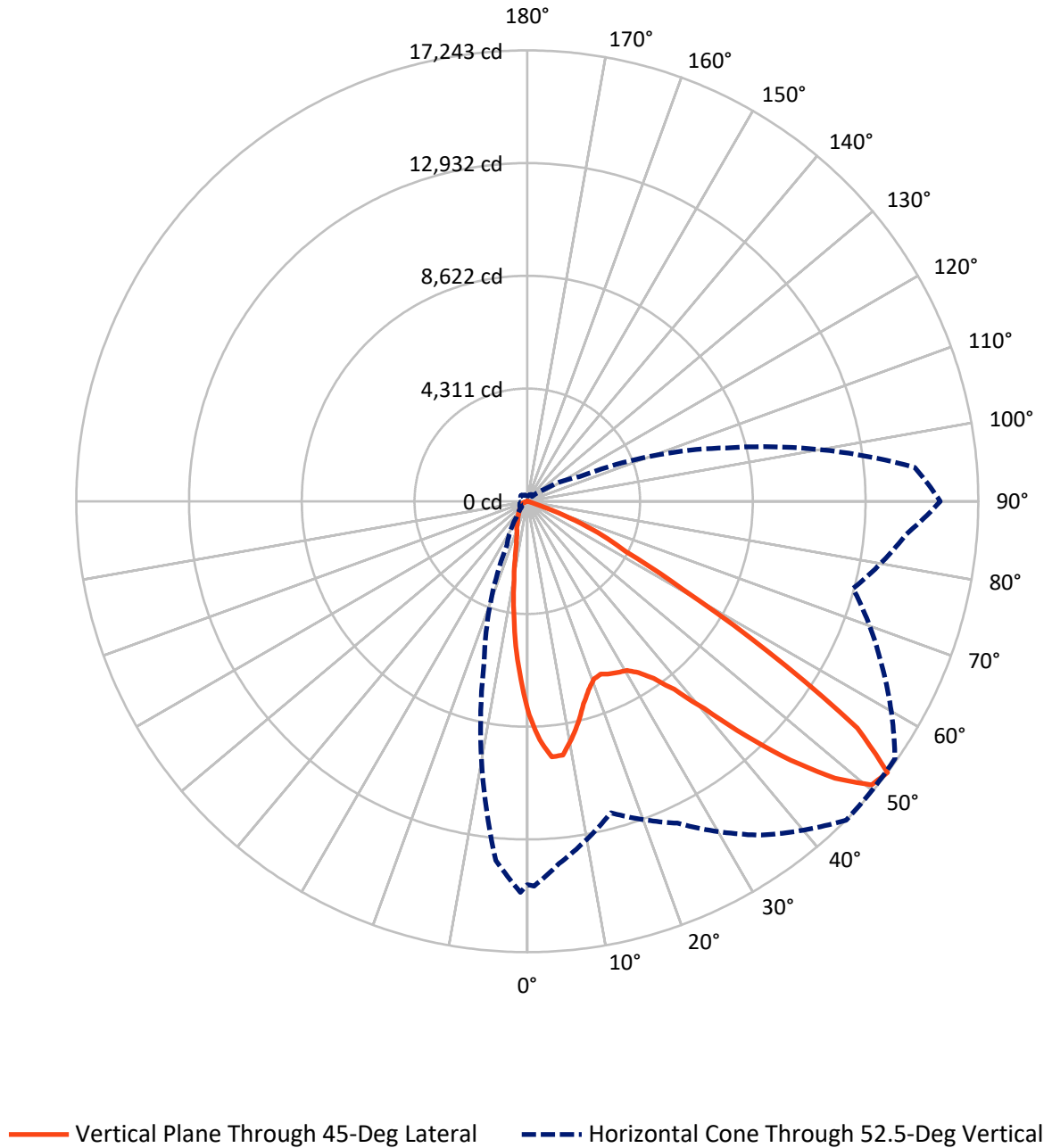
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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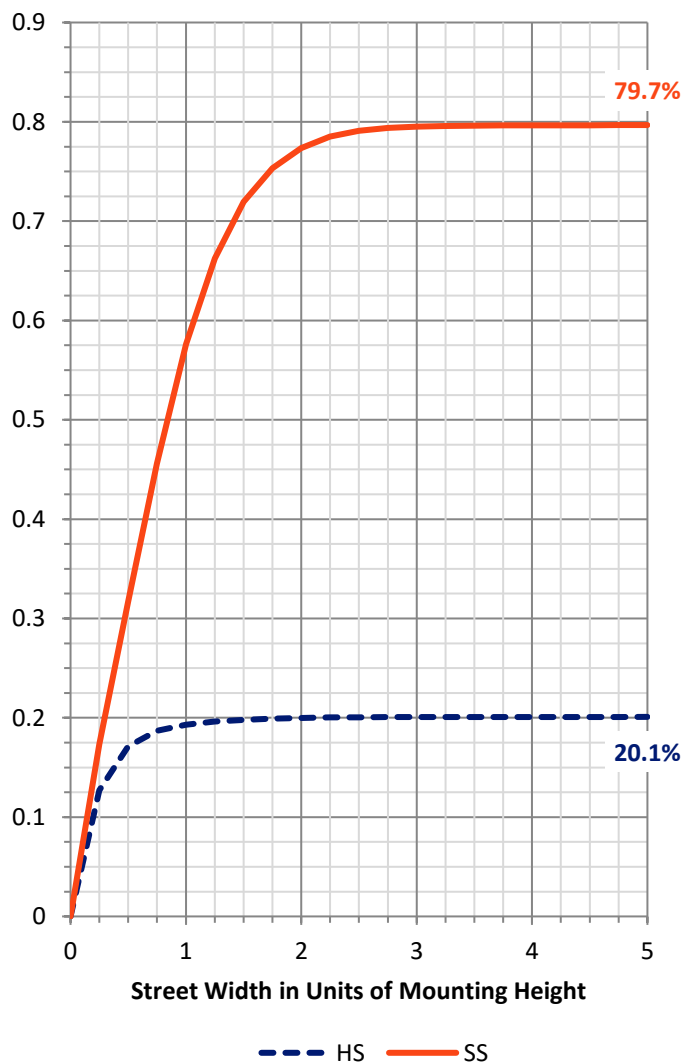
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3268.9	0.0	3268.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	12838.1	0.0	12838.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	16107.0	0.0	16107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.6	3.7
10°-20°	1175.1	7.3
20°-30°	1788.3	11.1
30°-40°	2672.9	16.6
40°-50°	3806.4	23.6
50°-60°	4091.8	25.4
60°-70°	1813.2	11.3
70°-80°	146.7	0.9
80°-90°	17.1	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°	16107.0	100.0
0°-180°	16107.0	100.0

Coefficient of Utilization

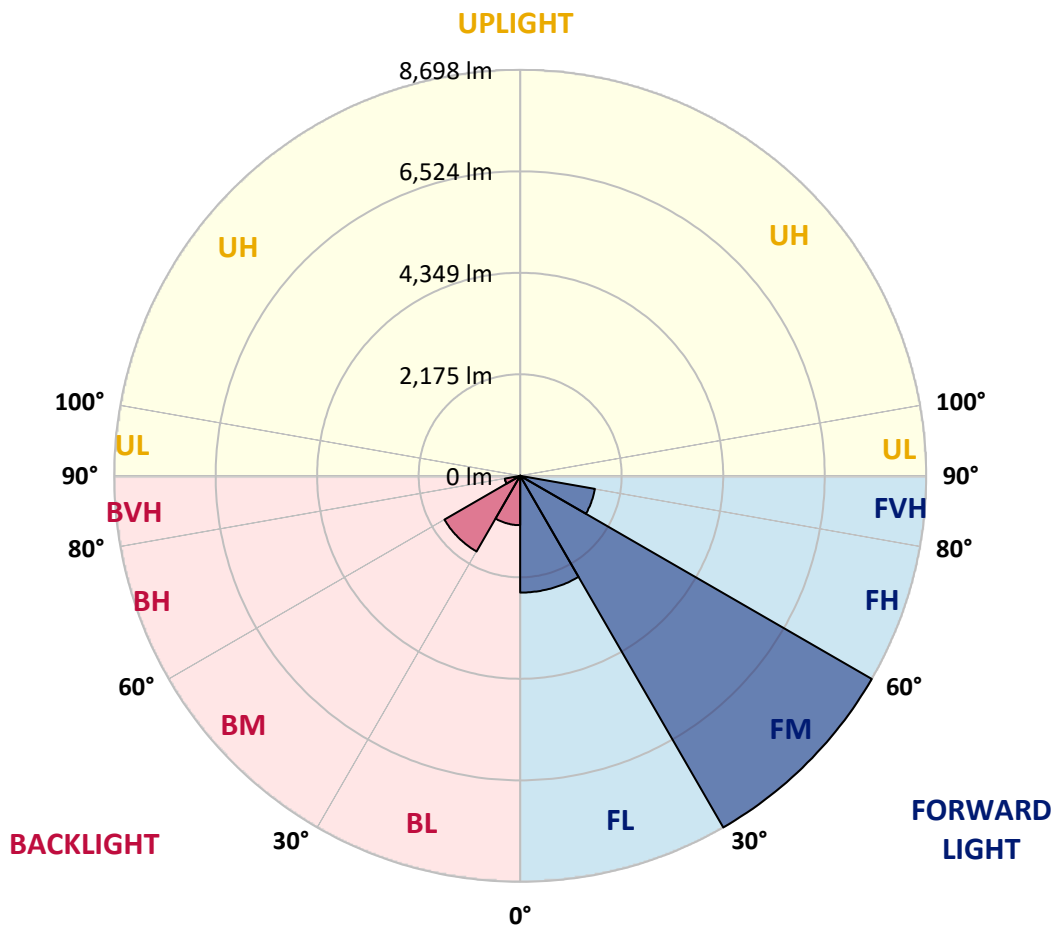


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2501.7	15.5			
FM (30°-60°)	8698.3	54.0			
FH (60°-80°)	1625.4	10.1			G1/1800
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	1057.3	6.6	B3/2500		
BM (30°-60°)	1872.7	11.6	B2/2500		
BH (60°-80°)	334.5	2.1	B1/500		G1/500
BVH (80°-90°)	4.4	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°	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0
2.5°	8642.2	8667.5	8806.9	8981.2	9073.0	9282.1	9136.4	9174.4	9095.2	8816.4	8597.8
5°	8379.3	8376.1	8553.5	8984.3	9393.0	9808.0	9820.7	9598.9	9209.3	8781.6	8170.2
7.5°	7587.3	7710.8	7894.6	8582.0	9339.1	9649.6	9798.5	9538.7	8940.0	8328.6	7666.5
10°	6988.5	7051.9	7362.3	8192.3	8746.7	9161.7	9253.6	9104.7	8645.4	7881.9	7140.6
12.5°	6643.2	6674.9	7039.2	7736.2	8322.2	8629.5	8673.9	8743.6	8414.1	7698.1	6807.9
15°	6646.4	6671.7	7162.8	7745.7	7976.9	7894.6	8040.3	8037.1	8179.7	7663.3	7086.7
17.5°	7124.7	7153.3	7596.8	7885.0	7783.7	7590.4	7580.9	7726.7	8027.6	8097.3	7508.1
20°	7948.4	8014.9	8341.2	8325.4	7755.2	7365.5	7257.8	7368.7	8068.8	8464.8	8357.1
22.5°	9057.2	9149.1	9377.2	8940.0	7885.0	7213.4	7178.6	7394.0	8341.2	9285.3	9320.1
25°	10343.4	10498.6	10609.5	10048.8	8347.6	7476.4	7311.6	7682.3	8708.7	10175.5	10546.1
27.5°	11195.6	11357.1	11331.8	10530.3	8658.0	7546.1	7406.7	7752.0	9028.7	10387.7	11186.1
30°	11860.8	11959.0	12136.5	10790.1	8968.5	7742.5	7504.9	8046.6	9133.2	10755.2	11959.0
32.5°	12637.0	12703.5	12716.2	11249.4	9446.9	7989.6	7809.0	8414.1	9595.7	11106.9	12643.3
35°	13419.5	13517.7	13311.8	11816.5	9741.5	8448.9	8315.9	9050.9	9966.4	11471.2	13397.3
37.5°	14268.5	14319.2	13844.0	12050.9	10162.8	9196.6	9123.7	9738.3	10609.5	12130.1	14233.6
40°	14981.3	15028.8	14411.0	12339.2	10606.3	10242.0	10428.9	11049.8	11483.9	12557.8	14651.8
42.5°	15377.3	15488.2	14601.1	12180.8	11496.5	11426.8	12256.8	12475.4	12497.6	12678.2	15025.6
45°	15485.0	15434.3	14287.5	12310.7	12275.8	13375.1	14129.1	14417.4	13505.0	12899.9	15120.7
47.5°	14987.6	15054.1	13825.0	12196.6	13299.1	14851.4	15827.1	16362.5	14255.8	12706.7	14886.2
50°	14585.3	14499.7	13676.1	12114.3	13574.7	15548.3	17053.1	17173.5	14946.4	12944.3	14629.6
52.5°	14664.5	14718.3	13913.7	12332.9	13581.0	15589.5	17243.2	17160.8	14968.6	12890.4	14537.8
55°	14832.4	14594.8	13812.3	11851.3	12671.8	14439.6	15304.4	15177.7	13815.5	12317.0	14312.8
57.5°	12798.6	13166.0	12700.3	10581.0	10400.4	10878.8	10862.9	11252.6	10305.4	10600.0	13029.8
60°	10387.7	10451.1	10625.3	9050.9	7197.6	7032.9	6804.8	6557.7	6934.7	9063.5	11851.3
62.5°	9136.4	9060.4	9681.3	8233.5	5081.4	4254.6	4216.6	4368.6	5350.7	8645.4	11116.4
65°	6640.0	6735.1	7184.9	6389.8	3814.2	3247.2	3190.1	3640.0	4330.6	6928.3	8483.8
67.5°	4055.0	4238.7	4279.9	3940.9	2588.2	2056.0	1973.6	2382.3	3126.8	4482.7	4973.7
70°	1872.3	2094.0	2303.1	2151.0	1498.4	845.8	798.3	1001.1	1577.6	2578.7	2638.9
72.5°	567.1	570.2	798.3	833.2	484.7	190.1	167.9	221.8	535.4	852.2	896.5
75°	41.2	44.4	107.7	123.6	91.9	47.5	50.7	60.2	114.0	190.1	142.6
77.5°	3.2	3.2	3.2	15.8	28.5	31.7	41.2	47.5	60.2	69.7	63.4
80°	3.2	0.0	3.2	12.7	22.2	31.7	38.0	44.4	47.5	53.9	47.5
82.5°	0.0	0.0	0.0	9.5	22.2	31.7	34.8	47.5	53.9	63.4	53.9
85°	0.0	0.0	0.0	9.5	22.2	34.8	31.7	15.8	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°	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0
2.5°	8635.9	8512.3	8230.4	8087.8	7752.0	7704.5	7375.0	7321.2	7210.3	7150.1	7004.4
5°	7900.9	7752.0	7292.6	6906.2	6456.3	6142.7	5901.9	5683.3	5556.6	5439.4	5493.2
7.5°	7302.1	6868.1	6358.1	5711.8	5192.3	4856.5	4489.0	4188.0	4010.6	3890.3	3918.8
10°	6674.9	6392.9	5683.3	4957.9	4330.6	4093.0	3804.7	3573.5	3323.2	3107.8	3006.4
12.5°	6478.5	6060.3	5170.1	4432.0	3956.8	3725.5	3396.1	3129.9	2810.0	2547.0	2455.2
15°	6513.3	6111.0	5030.7	4241.9	3681.2	3282.0	2889.2	2559.7	2208.1	2024.3	1929.3
17.5°	7080.4	6383.4	5122.6	4042.3	3297.8	2743.5	2258.8	1840.6	1577.6	1387.6	1346.4
20°	7777.3	6972.7	5319.0	3896.6	2984.2	2182.7	1650.5	1289.4	1070.8	1039.1	1029.6
22.5°	8797.4	7935.7	5740.3	3798.4	2600.9	1701.2	1131.0	937.7	877.5	871.2	874.4
25°	10223.0	9142.7	6199.7	3716.0	2312.6	1311.5	925.0	795.2	776.1	766.6	782.5
27.5°	10840.8	9871.4	6443.6	3538.6	2049.7	1181.6	912.4	788.8	735.0	719.1	728.6
30°	11604.2	10356.1	6827.0	3234.5	1663.2	972.6	852.2	858.5	833.2	754.0	728.6
32.5°	12618.0	10961.1	7020.2	3019.1	1485.8	804.7	624.1	573.4	639.9	652.6	674.8
35°	13267.4	11575.7	7118.4	2892.3	1393.9	687.4	529.0	481.5	465.7	468.9	481.5
37.5°	14474.4	12405.7	7242.0	2759.3	1324.2	598.7	478.4	434.0	411.8	411.8	424.5
40°	15196.7	13064.7	7409.9	2686.4	1254.5	544.9	434.0	396.0	377.0	377.0	383.3
42.5°	15377.3	13391.0	7352.8	2661.1	1175.3	532.2	396.0	367.5	345.3	342.1	339.0
45°	15700.4	13888.3	7362.3	2632.6	1092.9	484.7	373.8	342.1	310.5	307.3	304.1
47.5°	16055.2	14246.3	7381.3	2521.7	1013.7	405.5	389.7	316.8	278.8	272.4	272.4
50°	15751.1	14531.4	7546.1	2410.8	912.4	329.5	383.3	297.8	247.1	237.6	240.8
52.5°	15789.1	14867.2	7894.6	2255.6	785.7	262.9	310.5	281.9	224.9	209.1	212.3
55°	15180.9	14512.4	7942.1	2090.9	614.6	202.7	237.6	247.1	190.1	183.7	183.7
57.5°	13067.8	12288.5	7007.5	1694.9	405.5	167.9	171.1	215.4	164.7	158.4	161.6
60°	11182.9	9865.0	5639.0	1118.3	253.4	133.1	123.6	218.6	145.7	142.6	152.1
62.5°	10194.5	8106.8	4276.7	693.8	174.2	101.4	85.5	177.4	126.7	126.7	139.4
65°	7365.5	5445.7	2486.8	364.3	123.6	79.2	63.4	101.4	104.5	107.7	114.0
67.5°	4561.9	2749.8	1048.6	177.4	82.4	53.9	41.2	63.4	69.7	69.7	76.0
70°	2252.4	1096.1	348.5	101.4	63.4	44.4	28.5	34.8	34.8	31.7	34.8
72.5°	697.0	329.5	88.7	63.4	44.4	28.5	15.8	12.7	6.3	0.0	3.2
75°	79.2	63.4	57.0	44.4	28.5	12.7	3.2	0.0	0.0	0.0	0.0
77.5°	47.5	53.9	53.9	44.4	28.5	9.5	0.0	0.0	0.0	0.0	0.0
80°	38.0	41.2	44.4	41.2	25.3	12.7	0.0	0.0	0.0	0.0	0.0
82.5°	47.5	53.9	60.2	53.9	34.8	15.8	6.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	9.5	3.2	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°	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0
2.5°	6944.2	6874.5	6972.7	6827.0	6823.8	6827.0	6785.8	6747.8	6807.9	6969.5	6985.3
5°	5300.0	5448.9	5496.4	5651.6	5566.1	5439.4	5464.7	5379.2	5588.3	5680.2	5607.3
7.5°	3858.6	3849.1	4169.0	4188.0	4229.2	4232.4	4226.1	4058.2	3887.1	3925.1	4039.1
10°	2993.7	2832.2	2987.4	2971.5	3072.9	3044.4	3085.6	2905.0	2965.2	2965.2	3038.1
12.5°	2439.3	2268.3	2239.7	2198.6	2239.7	2255.6	2271.4	2236.6	2338.0	2385.5	2436.2
15°	1862.8	1767.7	1742.4	1663.2	1675.9	1720.2	1758.2	1774.1	1742.4	1815.2	1821.6
17.5°	1352.7	1349.6	1365.4	1362.2	1349.6	1340.0	1336.9	1295.7	1283.0	1289.4	1314.7
20°	1026.4	1051.8	1105.6	1159.5	1188.0	1153.1	1105.6	1035.9	1007.4	1013.7	1016.9
22.5°	877.5	915.5	988.4	1048.6	1077.1	1013.7	928.2	868.0	855.3	852.2	849.0
25°	795.2	839.5	893.4	912.4	909.2	871.2	807.8	782.5	776.1	769.8	741.3
27.5°	750.8	766.6	776.1	798.3	807.8	782.5	766.6	728.6	722.3	722.3	703.3
30°	725.5	716.0	728.6	712.8	725.5	706.5	709.6	709.6	693.8	700.1	700.1
32.5°	674.8	677.9	677.9	646.3	655.8	633.6	655.8	674.8	677.9	681.1	706.5
35°	494.2	551.2	579.7	579.7	589.2	573.4	570.2	548.1	519.5	491.0	478.4
37.5°	434.0	456.2	494.2	516.4	532.2	519.5	491.0	456.2	440.3	427.7	415.0
40°	386.5	405.5	430.8	456.2	487.9	472.0	427.7	411.8	392.8	392.8	380.2
42.5°	348.5	358.0	373.8	411.8	446.7	415.0	383.3	370.7	361.1	358.0	354.8
45°	313.6	316.8	332.6	364.3	405.5	373.8	342.1	326.3	329.5	332.6	329.5
47.5°	281.9	288.3	297.8	335.8	361.1	345.3	310.5	301.0	301.0	301.0	304.1
50°	243.9	259.8	278.8	310.5	329.5	320.0	291.5	278.8	272.4	272.4	275.6
52.5°	218.6	231.3	256.6	294.6	320.0	304.1	275.6	256.6	243.9	240.8	247.1
55°	190.1	212.3	253.4	281.9	316.8	301.0	269.3	247.1	224.9	221.8	221.8
57.5°	171.1	205.9	243.9	278.8	307.3	294.6	269.3	240.8	212.3	209.1	209.1
60°	161.6	199.6	237.6	269.3	307.3	288.3	266.1	234.4	202.7	202.7	199.6
62.5°	152.1	186.9	224.9	256.6	294.6	278.8	256.6	224.9	193.2	193.2	186.9
65°	126.7	161.6	186.9	215.4	256.6	240.8	218.6	196.4	171.1	164.7	167.9
67.5°	88.7	110.9	136.2	164.7	190.1	183.7	174.2	158.4	136.2	133.1	129.9
70°	44.4	60.2	82.4	110.9	133.1	126.7	120.4	107.7	95.0	91.9	91.9
72.5°	6.3	19.0	34.8	50.7	69.7	72.9	69.7	66.5	63.4	60.2	63.4
75°	0.0	0.0	0.0	12.7	28.5	34.8	41.2	47.5	47.5	41.2	50.7
77.5°	0.0	0.0	0.0	0.0	3.2	15.8	31.7	41.2	50.7	44.4	60.2
80°	0.0	0.0	0.0	0.0	3.2	19.0	31.7	44.4	50.7	44.4	63.4
82.5°	0.0	0.0	0.0	0.0	3.2	22.2	31.7	41.2	47.5	44.4	57.0
85°	0.0	0.0	0.0	0.0	9.5	19.0	12.7	6.3	3.2	3.2	9.5
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: P531875

CATALOG NUMBER: GALN-SA7B-722-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0	8167.0
2.5°	7074.1	7299.0	7539.7	7631.6	7916.7	8132.2	8277.9	8591.5	8639.0	8642.2
5°	5683.3	5797.4	6209.2	6402.4	6827.0	7156.4	7508.1	8014.9	8353.9	8379.3
7.5°	4039.1	4355.9	4530.2	5033.9	5556.6	6073.0	6595.7	7184.9	7577.8	7587.3
10°	3250.3	3456.2	3766.7	4143.7	4584.0	5109.9	5806.9	6491.1	6890.3	6988.5
12.5°	2616.7	2977.9	3332.7	3722.4	4058.2	4454.2	5205.0	6117.3	6446.8	6643.2
15°	2014.8	2344.3	2762.5	3218.6	3598.8	4127.9	4983.2	6025.5	6579.9	6646.4
17.5°	1485.8	1780.4	2166.9	2597.7	3168.0	3918.8	5021.2	6491.1	7013.9	7124.7
20°	1067.6	1238.7	1542.8	2043.3	2768.8	3674.8	5059.2	6963.2	7758.3	7948.4
22.5°	845.8	915.5	1115.1	1558.6	2322.1	3418.2	5328.5	7866.0	8781.6	9057.2
25°	735.0	773.0	868.0	1229.2	2040.2	3392.9	5759.3	8949.5	10143.8	10343.4
27.5°	709.6	716.0	798.3	1127.8	1888.1	3225.0	5924.1	9719.3	10992.8	11195.6
30°	747.6	849.0	855.3	953.6	1606.2	2892.3	6009.6	10463.8	11711.9	11860.8
32.5°	646.3	614.6	636.8	738.1	1412.9	2699.1	6171.2	11113.2	12532.4	12637.0
35°	449.9	472.0	522.7	639.9	1235.5	2496.4	6212.4	11829.2	13311.8	13419.5
37.5°	415.0	427.7	468.9	544.9	1086.6	2382.3	6155.3	12351.9	14119.6	14268.5
40°	386.5	402.3	424.5	494.2	975.7	2255.6	6076.1	12823.9	14613.8	14981.3
42.5°	364.3	377.0	396.0	472.0	880.7	2128.9	5965.3	13489.2	15057.3	15377.3
45°	339.0	358.0	380.2	459.4	826.8	2043.3	5882.9	13448.0	15313.9	15485.0
47.5°	313.6	345.3	370.7	427.7	811.0	2002.1	5917.7	13292.8	15104.8	14987.6
50°	288.3	329.5	373.8	354.8	773.0	1919.8	5958.9	13505.0	14607.5	14585.3
52.5°	266.1	313.6	348.5	291.5	687.4	1840.6	6358.1	13783.8	14959.1	14664.5
55°	234.4	281.9	278.8	234.4	557.6	1780.4	6671.7	13790.1	14721.5	14832.4
57.5°	212.3	250.3	218.6	196.4	411.8	1488.9	6161.7	11563.0	12602.1	12798.6
60°	196.4	243.9	164.7	155.2	269.3	1073.9	5379.2	8955.8	10017.1	10387.7
62.5°	180.6	231.3	129.9	126.7	186.9	763.5	4422.5	7495.4	8632.7	9136.4
65°	158.4	164.7	104.5	98.2	133.1	411.8	2692.8	5160.6	6453.1	6640.0
67.5°	129.9	126.7	85.5	79.2	88.7	199.6	1188.0	2585.1	3741.4	4055.0
70°	104.5	104.5	72.9	63.4	63.4	91.9	310.5	1029.6	1691.7	1872.3
72.5°	76.0	79.2	57.0	50.7	47.5	44.4	50.7	205.9	443.5	567.1
75°	66.5	69.7	57.0	44.4	34.8	28.5	22.2	19.0	25.3	41.2
77.5°	72.9	72.9	60.2	41.2	31.7	22.2	12.7	6.3	6.3	3.2
80°	91.9	95.0	79.2	53.9	38.0	25.3	15.8	6.3	3.2	3.2
82.5°	98.2	107.7	88.7	66.5	47.5	28.5	15.8	3.2	0.0	0.0
85°	25.3	41.2	69.7	60.2	47.5	28.5	15.8	3.2	0.0	0.0
87.5°	0.0	3.2	9.5	9.5	12.7	12.7	9.5	3.2	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)