

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: P647614

Luminaire Tested: **GALN-SA8D-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36427.5 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 493
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

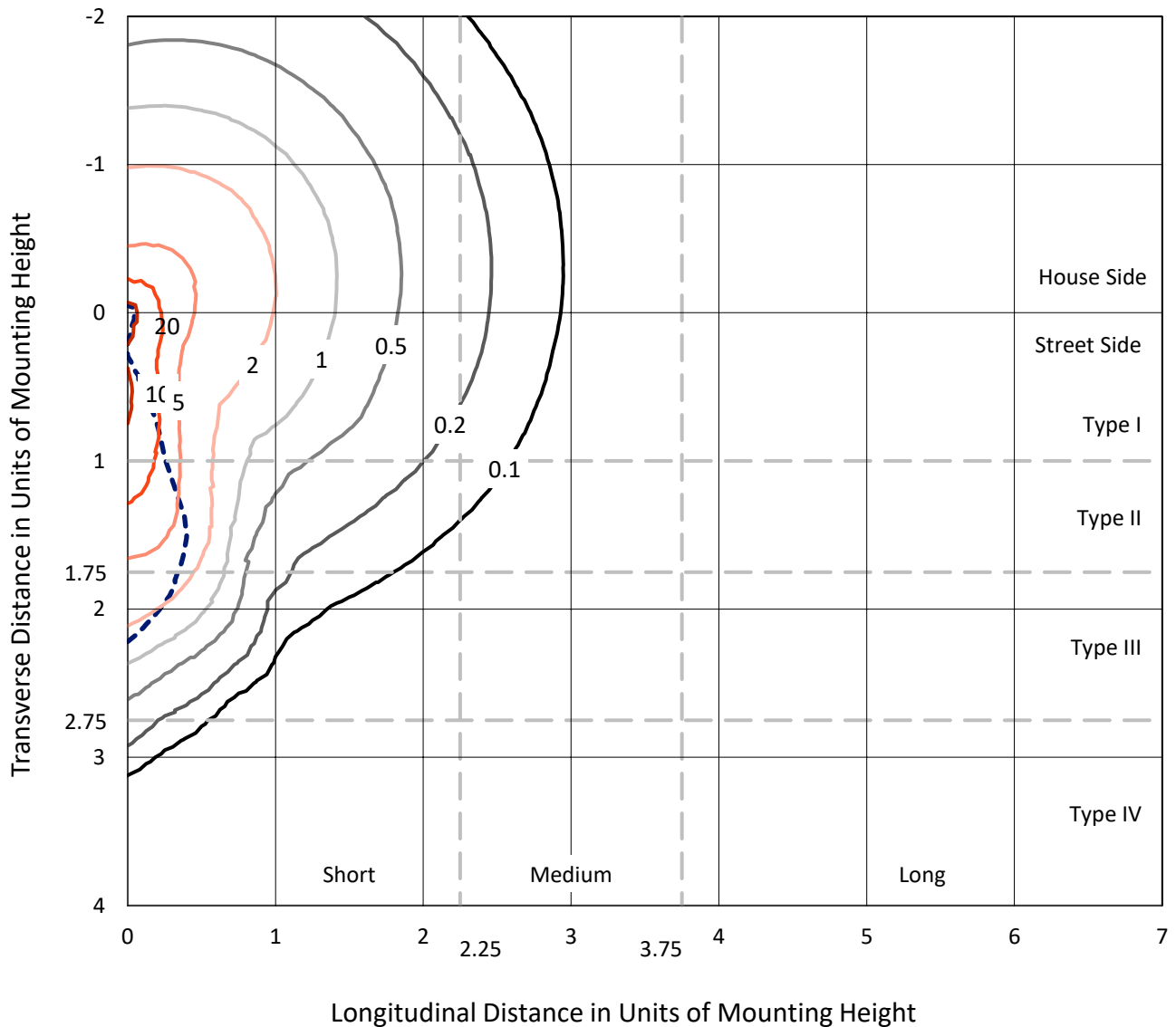




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Iso-Footcandle Lines of Horizontal Illumination

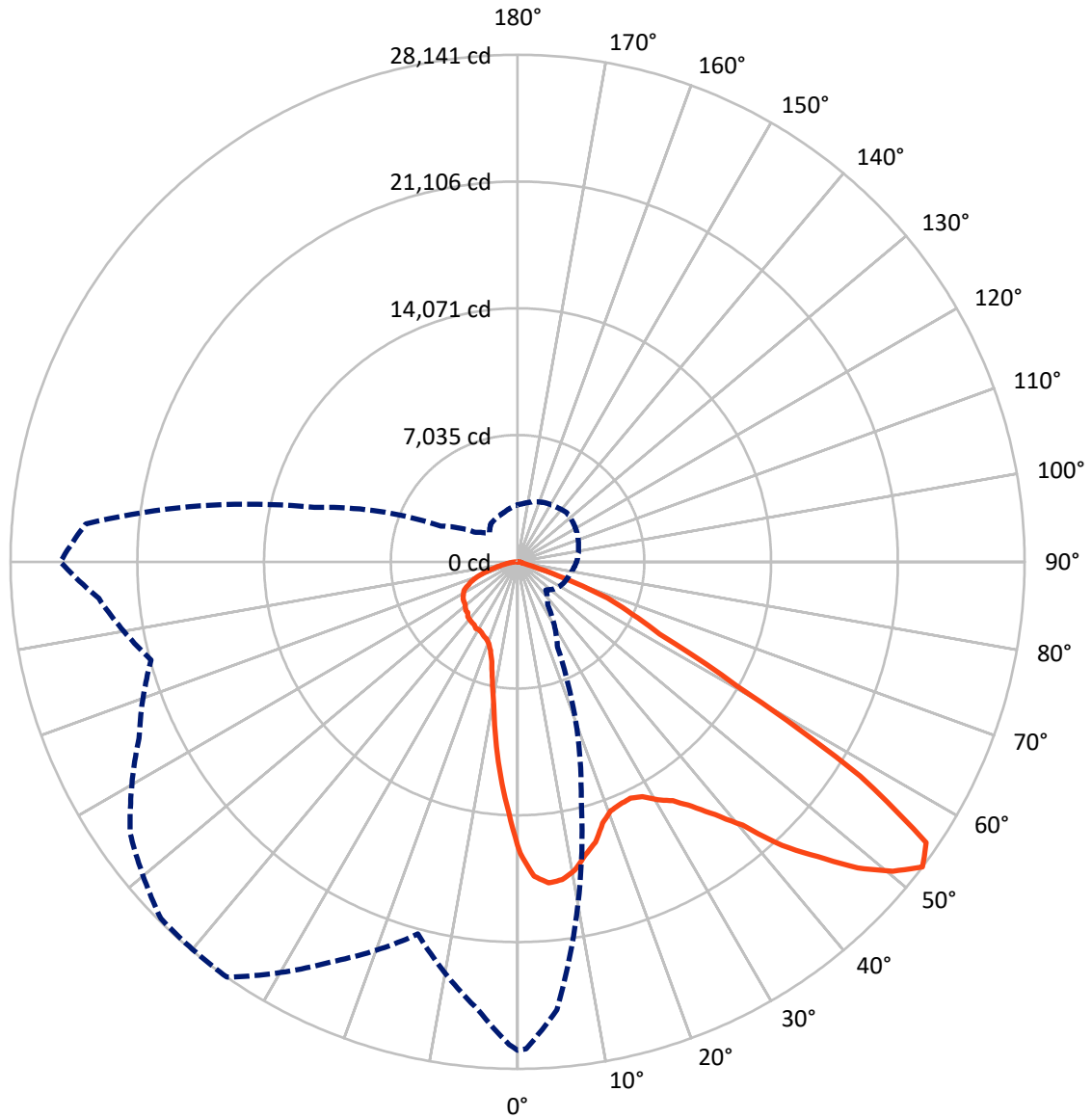
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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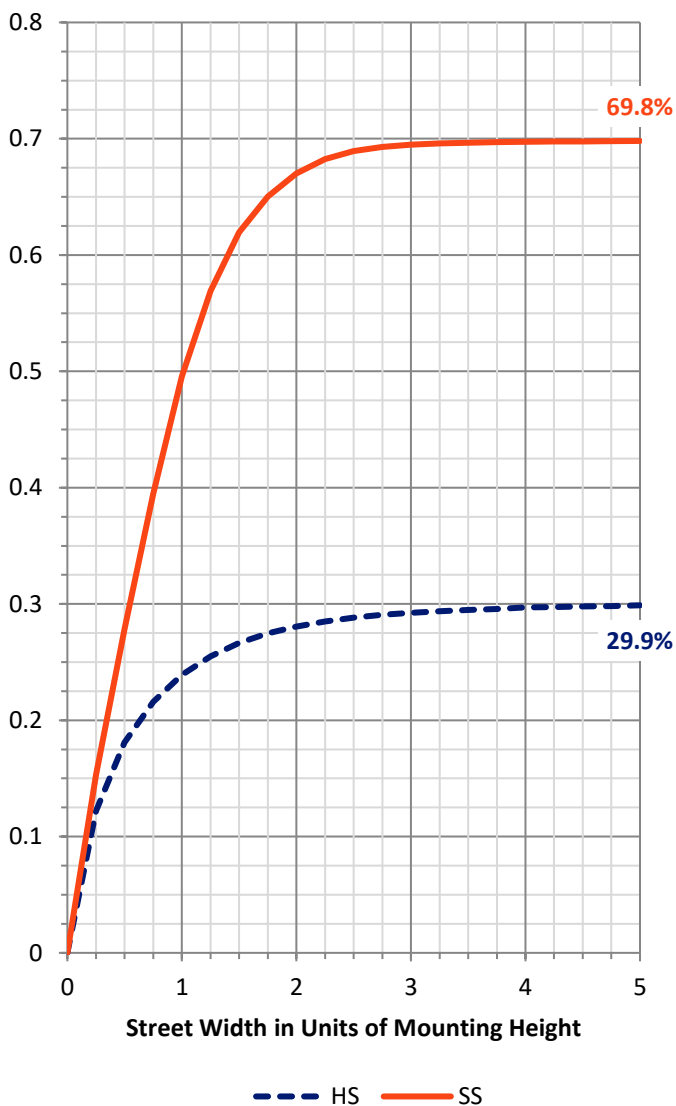
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10981.4	0.0	10981.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	25446.2	0.0	25446.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	36427.5	0.0	36427.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1233.4	3.4
10°-20°	2673.8	7.3
20°-30°	4039.9	11.1
30°-40°	5837.8	16.0
40°-50°	7769.1	21.3
50°-60°	8689.9	23.9
60°-70°	4897.6	13.4
70°-80°	1091.7	3.0
80°-90°	194.4	0.5
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°	36427.5	100.0
0°-180°	36427.5	100.0

Coefficient of Utilization



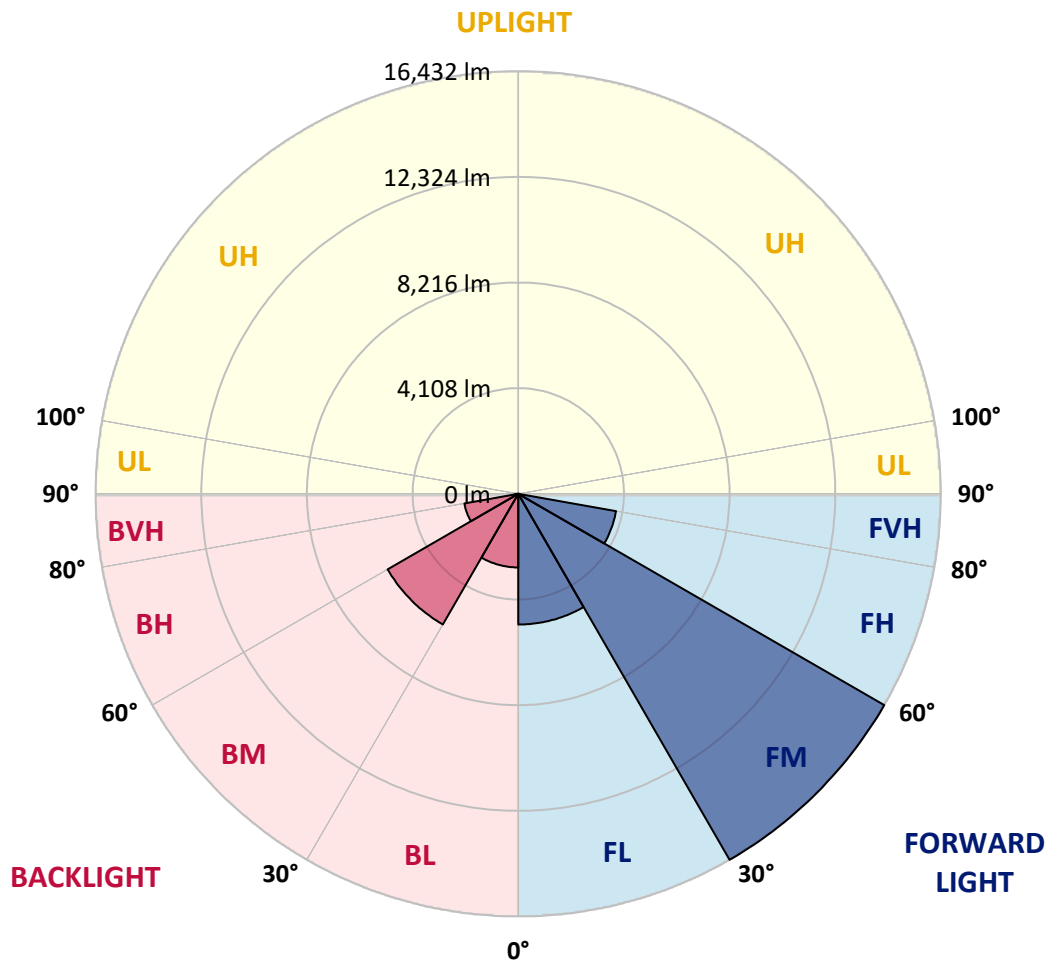
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5083.4	14.0			
FM (30°-60°)	16431.6	45.1			
FH (60°-80°)	3860.8	10.6			G2/5000
FVH (80°-90°)	70.4	0.2			G1/100
BL (0°-30°)	2863.7	7.9	B4/5000		
BM (30°-60°)	5865.1	16.1	B4/8500		
BH (60°-80°)	2128.5	5.8	B3/2500		G3/2500
BVH (80°-90°)	124.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8
2.5°	16436.0	16700.0	16414.9	15908.1	15549.0	15221.7	14878.5	14809.8	14361.1	14281.8	13954.5
5°	15501.5	15443.4	15095.0	14429.7	13695.8	13030.5	12539.5	12064.4	11742.3	11367.4	11341.1
7.5°	14366.3	14028.5	13827.8	12819.4	11911.2	10865.8	10417.0	9693.7	9466.7	9128.8	8954.5
10°	13352.7	13104.4	12634.6	11626.1	10358.9	9667.3	9186.9	8796.1	8532.2	8183.7	7745.4
12.5°	12851.1	12750.7	12222.7	10659.9	9720.1	8980.9	8643.1	8262.9	7814.1	7254.4	7038.0
15°	12940.8	12602.9	12201.6	10475.1	9176.3	8463.5	7925.0	7449.8	6874.3	6341.0	6029.6
17.5°	13611.4	13352.7	12550.1	10591.2	8970.4	7940.8	6964.1	6261.8	5744.4	5264.0	5047.5
20°	14931.3	14556.4	13653.6	10739.1	8526.9	7212.2	6092.9	5227.0	4672.6	4419.2	4345.3
22.5°	16393.7	16172.0	14730.7	11071.8	8173.1	6536.4	5168.9	4303.1	4097.1	4028.5	4165.8
25°	18173.0	17597.6	16404.3	11615.6	7898.6	5960.9	4387.5	3907.1	3801.5	3870.1	4028.5
27.5°	19524.7	19371.6	17576.5	12127.7	7523.7	5269.3	3949.3	3632.5	3664.2	3732.8	3880.6
30°	21129.8	20353.6	18711.6	12481.5	7185.8	4794.1	3643.1	3558.6	3590.3	3706.4	3780.3
32.5°	22095.9	21805.6	19424.4	13014.7	6795.1	4382.2	3405.5	3326.3	3373.8	3548.0	3722.2
35°	23326.2	22750.7	20306.1	13152.0	6520.6	4218.6	3236.5	3178.4	3289.3	3410.7	3606.1
37.5°	24762.3	24366.3	21525.8	13056.9	6372.8	4049.6	3093.9	3067.6	3146.8	3315.7	3542.8
40°	25612.3	25490.9	22164.6	13115.0	6140.4	3901.8	2930.3	2961.9	3125.7	3257.7	3479.4
42.5°	26430.7	25638.7	23109.7	13093.9	5992.6	3701.2	2946.1	2909.2	3035.8	3189.0	3400.2
45°	26610.2	25823.5	23331.4	12946.0	5813.1	3505.8	2824.7	2840.6	2993.6	3183.8	3321.0
47.5°	26494.1	25913.2	23743.3	12903.8	5644.1	3368.5	2645.2	2835.2	2925.0	3078.1	3273.5
50°	26414.8	26383.2	24091.7	13104.4	5417.1	3152.0	2428.7	2766.7	2856.4	3009.5	3220.7
52.5°	27111.8	27043.2	24962.9	13632.4	5237.6	2919.7	2207.0	2592.4	2808.9	2956.7	3162.6
55°	27534.2	27233.2	26457.1	14281.8	4936.6	2613.5	2053.8	2375.9	2692.7	2824.7	3035.8
57.5°	24767.5	24561.6	23933.3	13331.5	4429.7	2212.2	1863.8	2154.2	2534.3	2740.2	2956.7
60°	20607.1	20285.0	18674.6	11330.5	3268.2	1721.2	1747.6	1979.9	2492.1	2571.3	2824.7
62.5°	19429.7	18632.4	16441.3	9118.2	2507.9	1478.4	1568.1	1821.5	2270.3	2402.3	2655.7
65°	15417.0	14825.7	11763.4	6583.9	1679.0	1283.0	1430.9	1642.0	1958.8	2217.5	2449.9
67.5°	9651.5	9086.6	6277.7	3115.1	1172.2	1098.2	1277.7	1499.4	1758.1	1990.5	2249.2
70°	5042.2	4424.5	2898.6	1124.6	807.8	897.6	1066.5	1277.7	1531.2	1721.2	1921.9
72.5°	1879.6	1525.8	945.1	485.8	559.7	686.4	865.9	1019.0	1198.5	1430.9	1541.7
75°	290.4	248.1	242.9	295.7	380.1	496.3	617.7	770.9	929.3	1077.1	1151.0
77.5°	137.3	132.0	147.8	195.4	253.5	353.8	448.8	596.6	723.3	818.4	860.6
80°	89.7	84.5	95.1	132.0	190.0	264.0	359.0	459.3	575.5	654.7	644.2
82.5°	52.8	58.1	58.1	89.7	132.0	190.0	258.7	348.4	427.7	496.3	454.1
85°	31.7	26.4	26.4	52.8	89.7	153.1	216.5	147.8	153.1	153.1	174.2
87.5°	10.6	10.6	10.6	5.2	10.6	10.6	15.8	26.4	31.7	37.0	47.5
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°	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8
2.5°	13944.0	14107.6	14049.5	13843.7	14002.0	14028.5	13922.8	14287.2	14355.8	14244.9	14276.6
5°	11304.1	11346.3	11441.4	11642.0	11784.5	11953.4	11953.4	11964.0	11821.5	12180.5	12074.9
7.5°	8806.7	8833.1	8944.0	9371.6	9493.1	9815.1	9952.4	9857.4	9572.3	9450.8	9551.2
10°	7602.9	7449.8	7412.8	7465.7	7740.2	7877.4	7993.6	7961.9	7914.4	7819.4	7713.8
12.5°	6800.4	6689.5	6599.8	6473.1	6488.9	6620.9	6710.6	6636.7	6657.8	6678.9	6710.6
15°	5929.2	5850.0	5802.5	5612.5	5591.3	5681.1	5712.8	5755.0	5834.2	5839.5	5802.5
17.5°	5005.2	4936.6	5042.2	5147.8	5073.9	5079.2	5137.3	5174.2	5153.1	5058.0	5010.5
20°	4371.6	4445.6	4551.2	4651.5	4730.7	4778.3	4799.3	4741.3	4672.6	4477.3	4472.0
22.5°	4186.9	4281.9	4371.6	4524.8	4598.7	4720.2	4609.3	4477.3	4382.2	4287.2	4176.3
25°	4049.6	4128.8	4308.3	4366.4	4509.0	4609.3	4530.0	4398.1	4234.4	4097.1	4012.6
27.5°	3949.3	4039.0	4155.2	4313.6	4424.5	4482.5	4403.4	4350.6	4181.6	4018.0	3896.5
30°	3886.0	3981.0	4192.2	4324.2	4419.2	4466.7	4329.4	4266.1	4144.7	4007.4	3901.8
32.5°	3843.7	3928.2	4107.7	4276.7	4340.0	4340.0	4361.2	4287.2	4118.3	3886.0	3796.1
35°	3706.4	3822.6	3970.4	4165.8	4281.9	4350.6	4245.0	4160.5	4049.6	3812.0	3648.3
37.5°	3627.2	3706.4	3896.5	4081.3	4181.6	4255.5	4213.2	4065.4	3917.6	3722.2	3590.3
40°	3542.8	3669.5	3838.4	4012.6	4123.5	4197.4	4165.8	3991.5	3812.0	3627.2	3537.4
42.5°	3484.7	3569.1	3743.4	3938.7	4070.7	4213.2	4118.3	3901.8	3775.1	3521.6	3421.3
45°	3437.1	3574.4	3759.2	3838.4	3975.7	4123.5	3954.5	3822.6	3674.8	3490.0	3405.5
47.5°	3379.0	3505.8	3627.2	3838.4	3901.8	3970.4	3938.7	3727.5	3600.9	3400.2	3342.1
50°	3358.0	3405.5	3627.2	3743.4	3833.1	3901.8	3817.3	3658.9	3537.4	3331.6	3204.8
52.5°	3273.5	3363.2	3505.8	3658.9	3769.8	3854.2	3717.0	3616.7	3453.0	3236.5	3157.3
55°	3167.9	3220.7	3474.1	3632.5	3690.6	3748.7	3695.8	3532.2	3363.2	3141.5	3062.3
57.5°	3030.6	3152.0	3358.0	3579.7	3653.6	3685.3	3600.9	3468.8	3257.7	3062.3	2935.5
60°	2888.0	3014.8	3241.8	3421.3	3495.2	3611.4	3484.7	3405.5	3162.6	2946.1	2808.9
62.5°	2745.5	2888.0	3057.0	3284.1	3347.4	3394.9	3363.2	3252.3	3057.0	2814.1	2645.2
65°	2576.5	2682.2	2893.3	3009.5	3051.7	3162.6	3051.7	3009.5	2835.2	2602.9	2460.4
67.5°	2323.1	2412.9	2597.7	2708.6	2740.2	2787.7	2782.5	2734.9	2539.6	2381.2	2254.5
70°	2032.7	2111.9	2228.1	2360.0	2375.9	2434.0	2381.2	2370.6	2243.9	2027.4	1958.8
72.5°	1631.5	1705.4	1858.5	1916.5	1921.9	1942.9	1916.5	1879.6	1848.0	1620.9	1552.3
75°	1251.3	1293.5	1367.4	1420.3	1420.3	1446.7	1430.9	1393.9	1309.4	1166.8	1098.2
77.5°	871.2	913.4	1008.4	1040.1	1034.8	1045.4	997.9	960.9	834.2	760.3	702.2
80°	633.6	660.0	707.5	728.6	733.9	749.7	691.6	660.0	586.1	501.6	475.2
82.5°	459.3	475.2	480.4	506.8	506.8	480.4	464.6	432.9	380.1	327.4	306.2
85°	190.0	195.4	200.6	232.3	237.6	285.1	264.0	248.1	216.5	184.8	169.0
87.5°	47.5	52.8	68.7	58.1	68.7	68.7	73.9	84.5	84.5	68.7	68.7
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°	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8
2.5°	14398.0	14440.2	14978.8	15047.5	15311.4	15580.7	16124.5	16515.2	16832.0	17037.9	17096.0
5°	12185.8	12455.0	12703.2	13104.4	13468.8	13986.2	14582.8	15322.0	16251.2	16726.4	16916.5
7.5°	9540.6	9857.4	10216.4	10607.1	11140.4	12069.6	12866.9	13722.2	14910.1	15401.2	16145.6
10°	7787.7	8141.5	8616.6	8917.6	9561.7	10448.7	11378.0	12365.3	13500.5	14207.9	15068.5
12.5°	6884.8	7175.3	7613.5	8247.0	8727.5	9303.0	9994.7	11240.7	12866.9	13537.4	14128.8
15°	5887.0	6209.0	6715.9	7418.1	7993.6	8680.0	9456.1	10813.0	12544.8	13579.6	14081.2
17.5°	5063.3	5295.7	5828.9	6436.1	7096.0	7845.8	8959.8	10791.9	12882.7	14207.9	15026.3
20°	4493.1	4524.8	4815.2	5332.6	6230.2	7207.0	8653.6	10686.3	13965.0	15290.3	16325.2
22.5°	4134.1	4102.4	4107.7	4545.9	5174.2	6578.6	8173.1	11045.3	15195.3	17011.5	17708.5
25°	3954.5	3870.1	3817.3	3912.3	4482.5	5834.2	7808.9	11520.5	16520.5	18431.8	19287.1
27.5°	3859.6	3711.7	3606.1	3621.9	4039.0	5459.3	7581.8	11726.4	17835.2	20411.7	20712.7
30°	3822.6	3637.8	3484.7	3431.9	3706.4	4936.6	7096.0	12080.2	19012.6	21499.4	21758.1
32.5°	3690.6	3463.5	3315.7	3268.2	3379.0	4477.3	6747.6	12333.6	20052.7	22682.0	22592.3
35°	3537.4	3347.4	3162.6	3072.9	3152.0	4181.6	6467.7	12212.2	21277.6	23600.7	23553.2
37.5°	3521.6	3273.5	3120.3	2972.5	2967.3	3817.3	6087.6	12328.3	22059.0	25248.0	24598.6
40°	3384.4	3226.0	3025.4	2903.9	2835.2	3632.5	5718.0	12053.8	23204.8	25913.2	25274.4
42.5°	3389.6	3152.0	2977.8	2835.2	2766.7	3363.2	5464.6	11979.9	23606.0	26995.6	25591.2
45°	3305.1	3072.9	2925.0	2756.1	2719.1	3157.3	5221.7	11636.7	24313.5	27048.4	25195.2
47.5°	3220.7	3014.8	2856.4	2655.7	2571.3	3083.4	5031.6	11351.5	23943.9	26552.2	24646.1
50°	3162.6	2925.0	2777.1	2634.6	2397.0	2956.7	4783.5	11283.0	23426.5	25881.6	23627.1
52.5°	3062.3	2851.1	2698.0	2587.1	2207.0	2840.6	4688.4	11684.2	24060.0	25380.0	23331.4
55°	2967.3	2750.8	2555.4	2339.0	2048.6	2534.3	4424.5	12059.1	24984.0	26536.3	24672.5
57.5°	2867.0	2661.0	2449.9	2191.1	1895.5	2217.5	4149.9	12127.7	23252.3	24524.7	23421.2
60°	2734.9	2470.9	2312.6	1974.6	1731.8	1837.4	3289.3	10691.6	18035.8	20480.4	20517.3
62.5°	2587.1	2302.0	2164.7	1768.7	1562.8	1583.9	2682.2	8986.3	14630.4	16953.4	17961.9
65°	2391.8	2117.2	1953.5	1636.7	1441.4	1372.8	1964.1	6583.9	11114.0	13753.9	14899.6
67.5°	2138.3	1879.6	1673.7	1425.5	1288.3	1177.4	1341.0	3706.4	6562.8	9234.4	9582.8
70°	1869.0	1647.3	1430.9	1224.9	1071.8	992.6	982.0	1642.0	3136.2	4968.3	5654.7
72.5°	1473.1	1314.7	1140.4	987.3	887.0	770.9	702.2	681.1	1061.3	2022.2	2793.0
75°	1056.0	923.9	823.6	723.3	649.4	586.1	533.2	485.8	443.5	506.8	696.9
77.5°	665.2	617.7	538.5	512.2	469.9	454.1	432.9	406.5	374.9	353.8	353.8
80°	448.8	417.1	390.7	385.4	369.6	364.3	369.6	343.2	311.5	285.1	295.7
82.5°	301.0	295.7	290.4	285.1	290.4	295.7	306.2	301.0	274.5	258.7	264.0
85°	179.5	190.0	200.6	211.2	232.3	205.9	169.0	142.6	126.7	116.1	110.9
87.5°	68.7	95.1	84.5	79.2	84.5	79.2	73.9	68.7	58.1	52.8	52.8
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: P647614

CATALOG NUMBER: GALN-SA8D-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8	16166.8
2.5°	17481.4	17587.0	17676.8	17655.6	17470.8	17222.7	17122.4	16610.2	16504.6	16436.0
5°	17719.0	18331.4	18463.5	18384.3	17903.8	17296.6	16705.3	15955.6	15517.3	15501.5
7.5°	17280.8	18035.8	18273.4	18452.9	17814.0	16758.1	15744.4	14619.8	14345.2	14366.3
10°	16166.8	17370.5	17956.6	18141.4	17407.5	16494.1	15089.7	13949.2	13363.1	13352.7
12.5°	15549.0	16494.1	16657.8	16916.5	16700.0	15776.0	14709.5	13431.8	12861.6	12851.1
15°	14999.9	15623.0	15670.4	16034.7	16150.9	15527.9	14809.8	13447.6	12988.3	12940.8
17.5°	15480.4	15047.5	14867.9	14915.4	15258.6	15485.6	15390.6	14345.2	13875.3	13611.4
20°	15802.4	14836.2	14292.4	14345.2	14751.8	15580.7	16256.5	15644.0	14899.6	14931.3
22.5°	16663.0	14867.9	14017.9	13959.8	14604.0	16077.0	17233.3	17286.1	16568.0	16393.7
25°	17951.3	15232.2	13933.4	13917.6	14535.3	16610.2	18373.7	19229.1	18495.2	18173.0
27.5°	18986.2	15802.4	14197.4	14250.2	14751.8	17043.2	19345.2	20480.4	19920.7	19524.7
30°	19894.3	16393.7	14567.0	14324.1	15332.5	17270.2	19762.3	21905.9	21457.1	21129.8
32.5°	20269.1	17233.3	15153.0	14751.8	15813.0	17544.8	20628.2	23289.2	22903.8	22095.9
35°	20902.7	17703.2	15469.8	15438.2	16652.5	18204.8	21034.7	24202.6	24044.2	23326.2
37.5°	21409.6	18178.4	16594.4	16245.9	17803.5	19313.5	21689.4	25464.5	25100.2	24762.3
40°	21800.3	19028.4	17645.1	18104.4	19218.5	20322.0	22291.3	25543.7	26594.4	25612.3
42.5°	21441.3	19788.7	19371.6	20469.8	21525.8	21473.0	22360.0	26156.1	26942.8	26430.7
45°	21351.5	21077.0	22101.3	23099.1	23342.0	22428.6	21869.0	25480.3	26837.2	26610.2
47.5°	21135.0	22344.2	24128.7	25754.9	25385.3	23067.4	21282.9	25358.9	26900.6	26494.1
50°	21061.1	22618.7	25628.1	27212.1	26990.3	23621.9	21008.4	24577.5	26451.8	26414.8
52.5°	21055.8	23183.6	26251.2	28004.1	28141.3	24498.3	21383.2	24973.5	26800.3	27111.8
55°	21293.5	23004.1	26172.0	27565.8	27513.1	24107.6	21425.5	25237.4	27228.0	27534.2
57.5°	20084.3	20607.1	21599.7	22703.2	22418.1	19968.2	19134.0	23331.4	24989.3	24767.5
60°	17344.2	15707.4	14588.1	14535.3	13980.9	13215.3	15659.9	20823.6	20823.6	20607.1
62.5°	15190.0	10311.5	8859.5	8447.7	8843.7	9725.4	15105.5	20253.3	19677.8	19429.7
65°	13284.0	7872.2	6404.4	6288.3	6974.7	8305.1	13658.8	17254.4	16240.7	15417.0
67.5°	8548.0	5765.5	4762.4	4556.4	5385.4	6098.2	9091.8	10612.4	9973.5	9651.5
70°	5512.1	3753.9	2650.5	2486.8	2808.9	3759.2	5807.7	6187.9	5258.7	5042.2
72.5°	2608.3	1620.9	929.3	765.5	860.6	1436.1	2296.7	2470.9	2053.8	1879.6
75°	829.0	596.6	380.1	327.4	311.5	369.6	528.0	406.5	295.7	290.4
77.5°	369.6	353.8	301.0	253.5	221.7	184.8	153.1	126.7	132.0	137.3
80°	306.2	279.8	248.1	221.7	184.8	142.6	110.9	84.5	84.5	89.7
82.5°	269.3	242.9	216.5	184.8	158.4	116.1	84.5	58.1	52.8	52.8
85°	116.1	137.3	147.8	158.4	126.7	95.1	58.1	37.0	31.7	31.7
87.5°	47.5	42.2	37.0	31.7	26.4	26.4	21.1	15.8	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)