

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: P651134

Luminaire Tested: **GALN-SA9C-840-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651134
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-SA9C-840-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 1050mA 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: 39919.7 lumens
Efficiency: N/A
Efficacy: 83.0 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

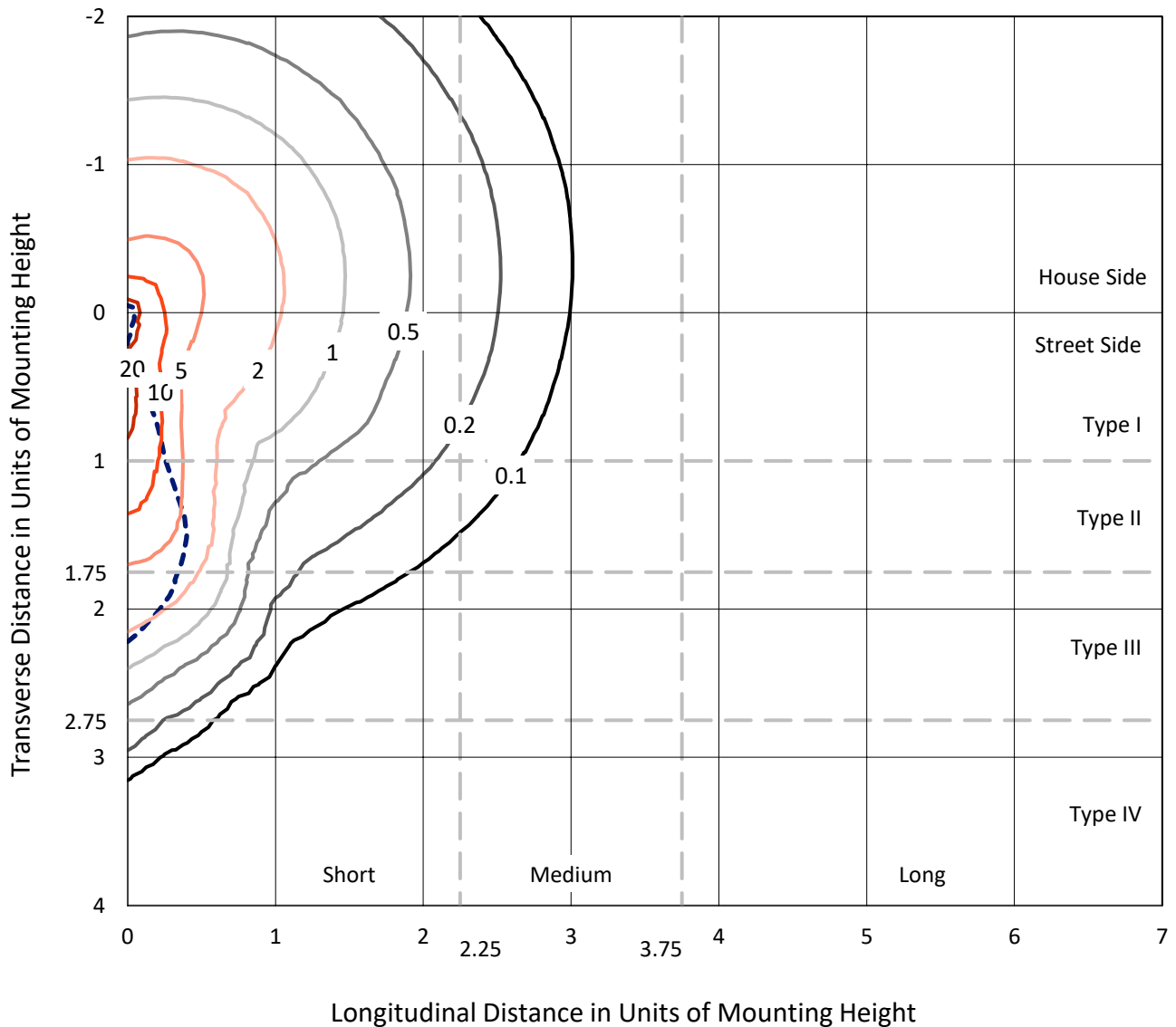
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P651134
 CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

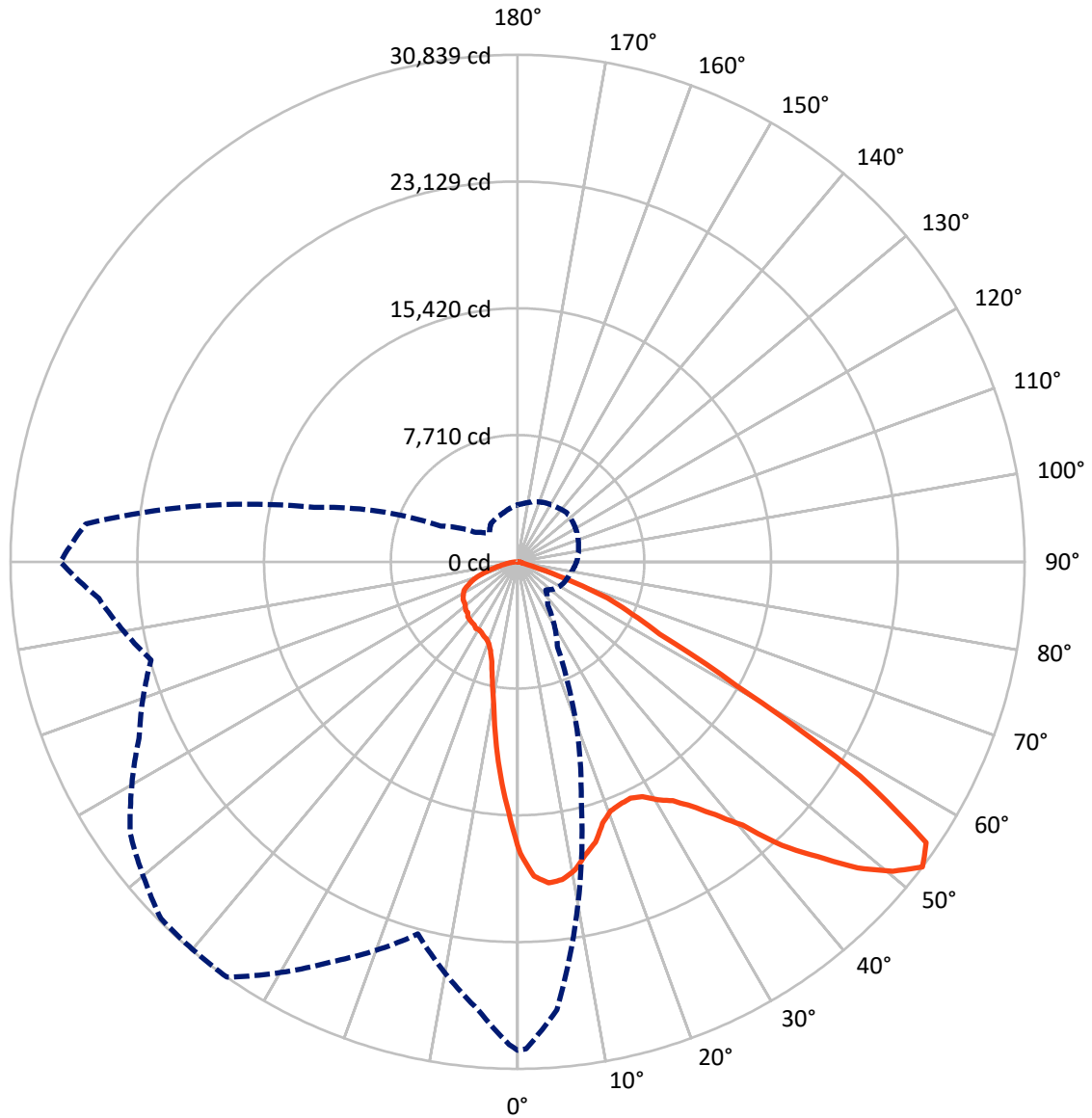
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.3 fc
 Type III - Short - N/A

REPORT NUMBER: P651134
CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P651134
 CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

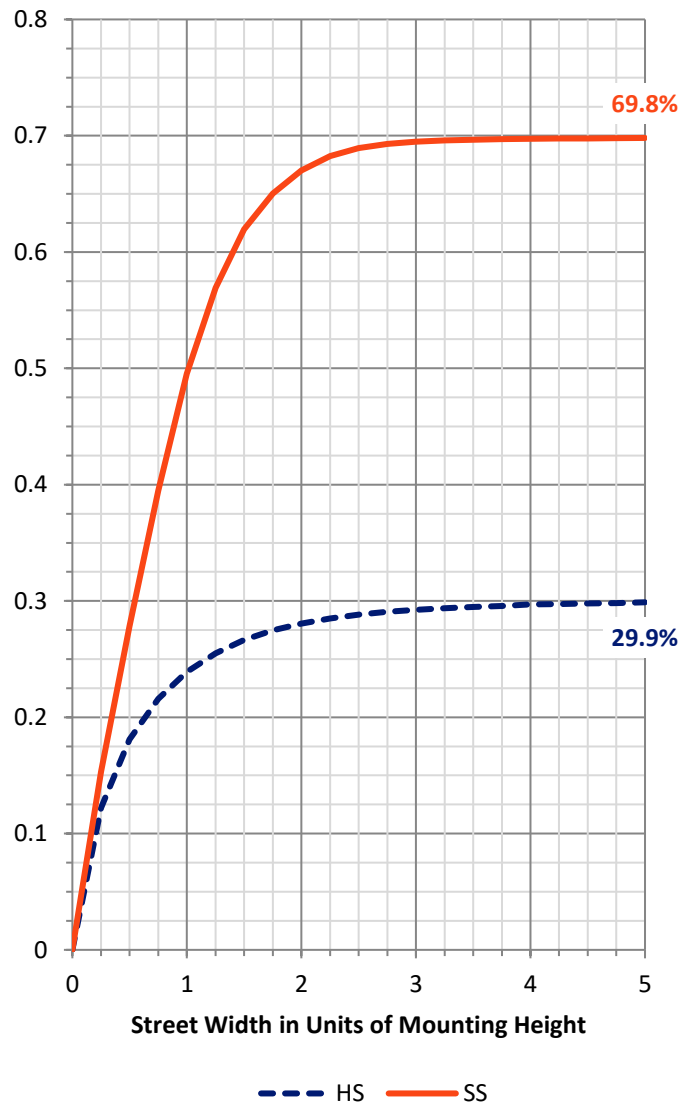
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12034.1	0.0	12034.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	27885.6	0.0	27885.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	39919.7	0.0	39919.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.6	3.4
10°-20°	2930.1	7.3
20°-30°	4427.2	11.1
30°-40°	6397.5	16.0
40°-50°	8513.9	21.3
50°-60°	9523.0	23.9
60°-70°	5367.1	13.4
70°-80°	1196.4	3.0
80°-90°	213.0	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°	39919.7	100.0
0°-180°	39919.7	100.0

Coefficient of Utilization

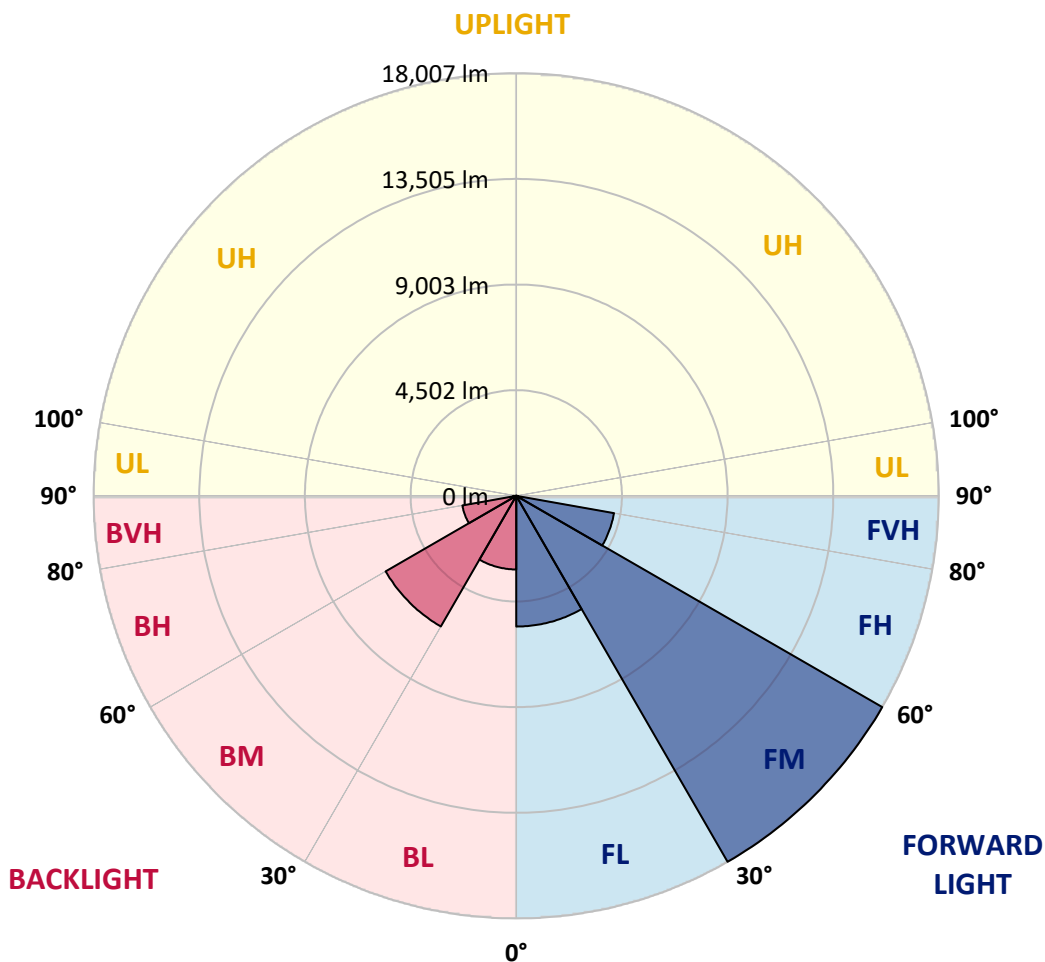


REPORT NUMBER: P651134
 CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5570.7	14.0			
FM (30°-60°)	18006.9	45.1			
FH (60°-80°)	4230.9	10.6			G2/5000
FVH (80°-90°)	77.2	0.2			G1/100
BL (0°-30°)	3138.2	7.9	B4/5000		
BM (30°-60°)	6427.4	16.1	B4/8500		
BH (60°-80°)	2332.6	5.8	B3/2500		G3/2500
BVH (80°-90°)	135.9	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





REPORT NUMBER: P651134

CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6
2.5°	18011.7	18301.0	17988.6	17433.1	17039.7	16681.0	16304.9	16229.6	15737.8	15651.0	15292.3
5°	16987.6	16923.9	16542.0	15813.1	15008.8	14279.8	13741.7	13220.9	12868.0	12457.1	12428.2
7.5°	15743.6	15373.3	15153.5	14048.3	13053.2	11907.6	11415.7	10623.0	10374.2	10003.9	9813.0
10°	14632.7	14360.7	13845.8	12740.7	11352.1	10594.1	10067.6	9639.5	9350.2	8968.3	8488.0
12.5°	14083.0	13973.1	13394.5	11681.8	10651.9	9842.0	9471.6	9055.0	8563.2	7949.9	7712.7
15°	14181.4	13811.1	13371.4	11479.4	10056.0	9274.9	8684.8	8164.0	7533.3	6948.9	6607.6
17.5°	14916.2	14632.7	13753.2	11606.6	9830.4	8702.1	7631.7	6862.1	6295.1	5768.6	5531.4
20°	16362.7	15951.9	14962.5	11768.6	9344.4	7903.6	6677.0	5728.1	5120.6	4842.8	4761.8
22.5°	17965.4	17722.4	16142.8	12133.2	8956.6	7163.0	5664.5	4715.6	4489.9	4414.7	4565.1
25°	19915.3	19284.6	17977.0	12729.1	8655.8	6532.4	4808.2	4281.6	4165.9	4241.1	4414.7
27.5°	21396.5	21228.7	19261.5	13290.3	8245.0	5774.4	4327.9	3980.7	4015.4	4090.7	4252.7
30°	23155.4	22304.9	20505.4	13678.0	7874.7	5253.6	3992.3	3899.7	3934.5	4061.8	4142.8
32.5°	24214.2	23896.0	21286.6	14262.4	7446.6	4802.4	3731.9	3645.1	3697.2	3888.2	4079.1
35°	25562.4	24931.7	22252.9	14412.8	7145.6	4623.0	3546.8	3483.2	3604.7	3737.7	3951.8
37.5°	27136.2	26702.3	23589.4	14308.7	6983.7	4437.9	3390.6	3361.6	3448.4	3633.6	3882.4
40°	28067.7	27934.7	24289.5	14372.4	6729.1	4275.8	3211.2	3245.9	3425.3	3570.0	3812.9
42.5°	28964.5	28096.6	25325.2	14349.2	6567.0	4056.0	3228.6	3188.1	3326.9	3494.7	3726.1
45°	29161.3	28299.1	25568.2	14187.2	6370.3	3841.9	3095.5	3112.9	3280.7	3489.0	3639.3
47.5°	29034.0	28397.5	26019.5	14140.9	6185.2	3691.5	2898.8	3107.1	3205.4	3373.3	3587.3
50°	28947.2	28912.5	26401.3	14360.7	5936.4	3454.2	2661.5	3031.8	3130.2	3298.0	3529.4
52.5°	29710.9	29635.7	27356.0	14939.4	5739.7	3199.7	2418.5	2840.9	3078.1	3240.1	3465.8
55°	30173.8	29844.0	28993.5	15651.0	5409.9	2864.0	2250.8	2603.7	2950.8	3095.5	3326.9
57.5°	27141.9	26916.3	26227.8	14609.6	4854.4	2424.4	2042.5	2360.7	2777.2	3002.9	3240.1
60°	22582.6	22229.6	20465.0	12416.7	3581.5	1886.2	1915.1	2169.7	2731.0	2817.8	3095.5
62.5°	21292.4	20418.6	18017.5	9992.3	2748.3	1620.1	1718.4	1996.2	2487.9	2632.6	2910.4
65°	16895.0	16247.0	12891.1	7215.1	1839.9	1406.0	1568.0	1799.4	2146.6	2430.1	2684.7
67.5°	10576.8	9957.6	6879.5	3413.7	1284.5	1203.5	1400.2	1643.2	1926.7	2181.3	2464.8
70°	5525.6	4848.6	3176.5	1232.4	885.2	983.6	1168.7	1400.2	1678.0	1886.2	2106.1
72.5°	2059.8	1672.2	1035.7	532.3	613.3	752.2	948.9	1116.7	1313.4	1568.0	1689.5
75°	318.2	272.0	266.2	324.0	416.6	543.9	676.9	844.8	1018.4	1180.3	1261.3
77.5°	150.5	144.7	162.0	214.1	277.7	387.7	491.8	653.8	792.6	896.8	943.1
80°	98.4	92.6	104.1	144.7	208.3	289.3	393.4	503.3	630.7	717.5	705.9
82.5°	57.9	63.7	63.7	98.4	144.7	208.3	283.5	381.9	468.7	543.9	497.6
85°	34.7	28.9	28.9	57.9	98.4	167.8	237.2	162.0	167.8	167.8	190.9
87.5°	11.6	11.6	11.6	5.8	11.6	11.6	17.3	28.9	34.7	40.5	52.1
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: P651134

CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6
2.5°	15280.7	15460.1	15396.4	15170.8	15344.4	15373.3	15257.6	15656.8	15732.1	15610.6	15645.3
5°	12387.8	12434.0	12538.2	12758.1	12914.3	13099.4	13099.4	13111.0	12954.8	13348.2	13232.5
7.5°	9651.0	9679.9	9801.4	10270.1	10403.2	10756.1	10906.5	10802.4	10490.0	10356.9	10466.8
10°	8331.8	8164.0	8123.5	8181.3	8482.2	8632.7	8759.9	8725.2	8673.1	8569.0	8453.3
12.5°	7452.4	7330.8	7232.4	7093.6	7111.0	7255.6	7354.0	7273.0	7296.1	7319.2	7354.0
15°	6497.7	6410.9	6358.8	6150.5	6127.4	6225.7	6260.4	6306.7	6393.5	6399.3	6358.8
17.5°	5485.1	5409.9	5525.6	5641.3	5560.4	5566.1	5629.7	5670.3	5647.1	5542.9	5490.9
20°	4790.8	4871.7	4987.5	5097.5	5184.3	5236.3	5259.4	5195.8	5120.6	4906.5	4900.7
22.5°	4588.2	4692.4	4790.8	4958.5	5039.6	5172.7	5051.1	4906.5	4802.4	4698.2	4576.7
25°	4437.9	4524.7	4721.4	4785.0	4941.2	5051.1	4964.3	4819.7	4640.4	4489.9	4397.3
27.5°	4327.9	4426.3	4553.6	4727.1	4848.6	4912.3	4825.5	4767.6	4582.5	4403.1	4270.0
30°	4258.5	4362.6	4594.0	4738.7	4842.8	4895.0	4744.5	4675.0	4542.0	4391.5	4275.8
32.5°	4212.1	4304.7	4501.5	4686.6	4756.0	4756.0	4779.2	4698.2	4513.1	4258.5	4160.1
35°	4061.8	4189.0	4351.1	4565.1	4692.4	4767.6	4651.9	4559.3	4437.9	4177.5	3998.1
37.5°	3975.0	4061.8	4270.0	4472.5	4582.5	4663.5	4617.2	4455.2	4293.2	4079.1	3934.5
40°	3882.4	4021.2	4206.4	4397.3	4518.9	4599.8	4565.1	4374.2	4177.5	3975.0	3876.6
42.5°	3818.7	3911.3	4102.2	4316.3	4461.0	4617.2	4513.1	4275.8	4137.0	3859.3	3749.3
45°	3766.7	3917.1	4119.6	4206.4	4356.8	4518.9	4333.7	4189.0	4027.0	3824.5	3731.9
47.5°	3703.0	3841.9	3975.0	4206.4	4275.8	4351.1	4316.3	4084.9	3946.1	3726.1	3662.6
50°	3679.9	3731.9	3975.0	4102.2	4200.6	4275.8	4183.2	4009.6	3876.6	3650.9	3512.1
52.5°	3587.3	3685.7	3841.9	4009.6	4131.2	4223.8	4073.3	3963.4	3784.0	3546.8	3460.0
55°	3471.6	3529.4	3807.2	3980.7	4044.4	4108.0	4050.2	3870.8	3685.7	3442.6	3355.8
57.5°	3321.1	3454.2	3679.9	3922.8	4003.9	4038.6	3946.1	3801.4	3570.0	3355.8	3217.0
60°	3164.9	3303.8	3552.6	3749.3	3830.3	3957.6	3818.7	3731.9	3465.8	3228.6	3078.1
62.5°	3008.7	3164.9	3350.0	3598.9	3668.3	3720.4	3685.7	3564.2	3350.0	3083.9	2898.8
65°	2823.6	2939.3	3170.7	3298.0	3344.3	3465.8	3344.3	3298.0	3107.1	2852.5	2696.2
67.5°	2545.8	2644.2	2846.7	2968.2	3002.9	3055.0	3049.2	2997.2	2783.0	2609.5	2470.6
70°	2227.6	2314.3	2441.7	2586.3	2603.7	2667.3	2609.5	2597.9	2459.0	2221.8	2146.6
72.5°	1787.9	1868.9	2036.6	2100.3	2106.1	2129.2	2100.3	2059.8	2025.1	1776.3	1701.1
75°	1371.3	1417.6	1498.6	1556.4	1556.4	1585.4	1568.0	1527.5	1434.9	1278.7	1203.5
77.5°	954.7	1001.0	1105.2	1139.8	1134.1	1145.6	1093.6	1053.0	914.2	833.2	769.5
80°	694.3	723.3	775.3	798.4	804.2	821.6	758.0	723.3	642.3	549.7	520.7
82.5°	503.3	520.7	526.6	555.5	555.5	526.6	509.1	474.4	416.6	358.8	335.6
85°	208.3	214.1	219.8	254.6	260.4	312.4	289.3	272.0	237.2	202.5	185.2
87.5°	52.1	57.9	75.2	63.7	75.2	75.2	81.0	92.6	92.6	75.2	75.2
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: P651134

CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6
2.5°	15778.3	15824.6	16414.8	16490.0	16779.3	17074.4	17670.3	18098.5	18445.7	18671.3	18735.0
5°	13354.0	13649.1	13921.1	14360.7	14760.0	15327.1	15980.9	16790.9	17809.2	18329.9	18538.2
7.5°	10455.2	10802.4	11195.8	11624.0	12208.4	13226.7	14100.4	15037.8	16339.5	16877.7	17693.5
10°	8534.3	8922.0	9442.7	9772.5	10478.4	11450.5	12468.8	13550.7	14794.7	15570.0	16513.1
12.5°	7544.9	7863.1	8343.4	9037.6	9564.2	10194.9	10952.8	12318.3	14100.4	14835.2	15483.2
15°	6451.3	6804.3	7359.8	8129.3	8759.9	9512.1	10362.6	11849.7	13747.5	14881.5	15431.2
17.5°	5548.7	5803.3	6387.7	7053.1	7776.3	8598.0	9818.8	11826.5	14117.8	15570.0	16466.9
20°	4923.9	4958.5	5276.8	5843.9	6827.4	7897.8	9483.2	11710.8	15303.8	16756.2	17890.2
22.5°	4530.4	4495.7	4501.5	4981.7	5670.3	7209.3	8956.6	12104.3	16652.1	18642.4	19406.2
25°	4333.7	4241.1	4183.2	4287.4	4912.3	6393.5	8557.4	12625.0	18104.3	20198.8	21136.1
27.5°	4229.6	4067.5	3951.8	3969.2	4426.3	5982.7	8308.7	12850.6	19545.0	22368.6	22698.3
30°	4189.0	3986.5	3818.7	3760.9	4061.8	5409.9	7776.3	13238.3	20835.3	23560.4	23843.9
32.5°	4044.4	3795.6	3633.6	3581.5	3703.0	4906.5	7394.5	13516.0	21975.1	24856.5	24758.1
35°	3876.6	3668.3	3465.8	3367.4	3454.2	4582.5	7087.8	13382.9	23317.5	25863.3	25811.2
37.5°	3859.3	3587.3	3419.5	3257.5	3251.7	4183.2	6671.2	13510.2	24173.8	27668.5	26956.8
40°	3708.8	3535.2	3315.4	3182.3	3107.1	3980.7	6266.2	13209.3	25429.3	28397.5	27697.4
42.5°	3714.6	3454.2	3263.2	3107.1	3031.8	3685.7	5988.5	13128.3	25869.1	29583.6	28044.6
45°	3622.0	3367.4	3205.4	3020.3	2979.7	3460.0	5722.3	12752.3	26644.4	29641.5	27610.6
47.5°	3529.4	3303.8	3130.2	2910.4	2817.8	3379.0	5514.0	12439.8	26239.4	29097.6	27008.9
50°	3465.8	3205.4	3043.4	2887.2	2626.9	3240.1	5242.1	12364.6	25672.4	28362.8	25892.2
52.5°	3355.8	3124.4	2956.6	2835.1	2418.5	3112.9	5137.9	12804.3	26366.6	27813.1	25568.2
55°	3251.7	3014.5	2800.4	2563.2	2245.0	2777.2	4848.6	13215.1	27379.2	29080.3	27037.8
57.5°	3141.8	2916.2	2684.7	2401.1	2077.2	2430.1	4547.8	13290.3	25481.4	26875.8	25666.6
60°	2997.2	2707.9	2534.3	2164.0	1897.8	2013.5	3604.7	11716.6	19764.8	22443.8	22484.3
62.5°	2835.1	2522.7	2372.2	1938.3	1712.6	1735.8	2939.3	9847.7	16032.9	18578.7	19683.9
65°	2621.1	2320.2	2140.8	1793.7	1579.6	1504.4	2152.4	7215.1	12179.4	15072.4	16328.0
67.5°	2343.3	2059.8	1834.1	1562.2	1411.8	1290.3	1469.6	4061.8	7192.0	10119.7	10501.6
70°	2048.3	1805.2	1568.0	1342.3	1174.5	1087.7	1076.2	1799.4	3436.8	5444.6	6196.7
72.5°	1614.3	1440.7	1249.8	1081.9	972.0	844.8	769.5	746.4	1163.0	2216.0	3060.7
75°	1157.2	1012.6	902.6	792.6	711.7	642.3	584.4	532.3	486.0	555.5	763.7
77.5°	729.1	676.9	590.1	561.2	514.9	497.6	474.4	445.5	410.8	387.7	387.7
80°	491.8	457.1	428.2	422.4	405.0	399.2	405.0	376.1	341.4	312.4	324.0
82.5°	329.8	324.0	318.2	312.4	318.2	324.0	335.6	329.8	300.9	283.5	289.3
85°	196.7	208.3	219.8	231.4	254.6	225.6	185.2	156.3	138.8	127.3	121.5
87.5°	75.2	104.1	92.6	86.8	92.6	86.8	81.0	75.2	63.7	57.9	57.9
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: P651134
 CATALOG NUMBER: GALN-SA9C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6	17716.6
2.5°	19157.3	19273.0	19371.4	19348.3	19145.8	18873.8	18763.9	18202.7	18087.0	18011.7
5°	19417.7	20088.9	20233.5	20146.7	19620.2	18954.8	18306.8	17485.2	17004.9	16987.6
7.5°	18937.5	19764.8	20025.2	20221.9	19521.9	18364.7	17253.8	16021.3	15720.5	15743.6
10°	17716.6	19035.9	19678.1	19880.6	19076.3	18075.4	16536.3	15286.5	14644.2	14632.7
12.5°	17039.7	18075.4	18254.7	18538.2	18301.0	17288.4	16119.7	14719.5	14094.7	14083.0
15°	16437.9	17120.7	17172.7	17571.9	17699.3	17016.5	16229.6	14736.8	14233.5	14181.4
17.5°	16964.5	16490.0	16293.3	16345.3	16721.4	16970.2	16866.1	15720.5	15205.5	14916.2
20°	17317.4	16258.5	15662.6	15720.5	16166.0	17074.4	17815.0	17143.8	16328.0	16362.7
22.5°	18260.5	16293.3	15361.7	15298.1	16004.0	17618.3	18885.4	18943.3	18156.3	17965.4
25°	19672.3	16692.5	15269.2	15251.8	15928.8	18202.7	20135.1	21072.5	20268.3	19915.3
27.5°	20806.3	17317.4	15558.5	15616.4	16166.0	18677.1	21199.8	22443.8	21830.4	21396.5
30°	21801.5	17965.4	15963.4	15697.3	16802.4	18925.9	21656.8	24006.0	23514.2	23155.4
32.5°	22212.3	18885.4	16605.7	16166.0	17329.0	19226.8	22605.7	25521.9	25099.6	24214.2
35°	22906.7	19400.4	16952.9	16918.1	18248.9	19950.0	23051.3	26522.9	26349.3	25562.4
37.5°	23462.1	19921.1	18185.3	17803.4	19510.3	21165.0	23768.8	27905.7	27506.5	27136.2
40°	23890.3	20852.6	19336.7	19840.1	21060.9	22270.2	24428.4	27992.5	29143.9	28067.7
42.5°	23496.8	21685.8	21228.7	22432.2	23589.4	23531.5	24503.5	28663.7	29525.8	28964.5
45°	23398.5	23097.6	24220.0	25313.6	25579.8	24578.8	23965.5	27923.1	29410.1	29161.3
47.5°	23161.2	24486.2	26441.9	28224.0	27818.9	25278.9	23323.2	27790.0	29479.5	29034.0
50°	23080.2	24787.0	28085.1	29820.9	29577.9	25886.4	23022.4	26933.7	28987.7	28947.2
52.5°	23074.4	25406.2	28767.8	30688.8	30839.2	26846.9	23433.2	27367.7	29369.6	29710.9
55°	23334.8	25209.5	28681.0	30208.6	30150.7	26418.8	23479.5	27657.0	29838.3	30173.8
57.5°	22009.8	22582.6	23670.4	24879.6	24567.2	21882.5	20968.3	25568.2	27385.0	27141.9
60°	19006.9	17213.3	15986.7	15928.8	15321.3	14482.3	17161.2	22819.9	22819.9	22582.6
62.5°	16646.2	11300.0	9708.8	9257.6	9691.5	10657.7	16553.7	22195.0	21564.3	21292.4
65°	14557.5	8626.9	7018.4	6891.1	7643.3	9101.3	14968.3	18908.5	17797.7	16895.0
67.5°	9367.5	6318.3	5218.9	4993.3	5901.7	6682.8	9963.4	11629.8	10929.7	10576.8
70°	6040.6	4113.8	2904.6	2725.2	3078.1	4119.6	6364.6	6781.2	5762.8	5525.6
72.5°	2858.3	1776.3	1018.4	839.0	943.1	1573.8	2516.9	2707.9	2250.8	2059.8
75°	908.4	653.8	416.6	358.8	341.4	405.0	578.6	445.5	324.0	318.2
77.5°	405.0	387.7	329.8	277.7	243.0	202.5	167.8	138.8	144.7	150.5
80°	335.6	306.6	272.0	243.0	202.5	156.3	121.5	92.6	92.6	98.4
82.5°	295.1	266.2	237.2	202.5	173.6	127.3	92.6	63.7	57.9	57.9
85°	127.3	150.5	162.0	173.6	138.8	104.1	63.7	40.5	34.7	34.7
87.5°	52.1	46.3	40.5	34.7	28.9	28.9	23.1	17.3	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)