

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: P532268

Luminaire Tested: **GALN-SA7C-760-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532268
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-SA7C-760-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 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: 36470 lumens
Efficiency: N/A
Efficacy: 96.7 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

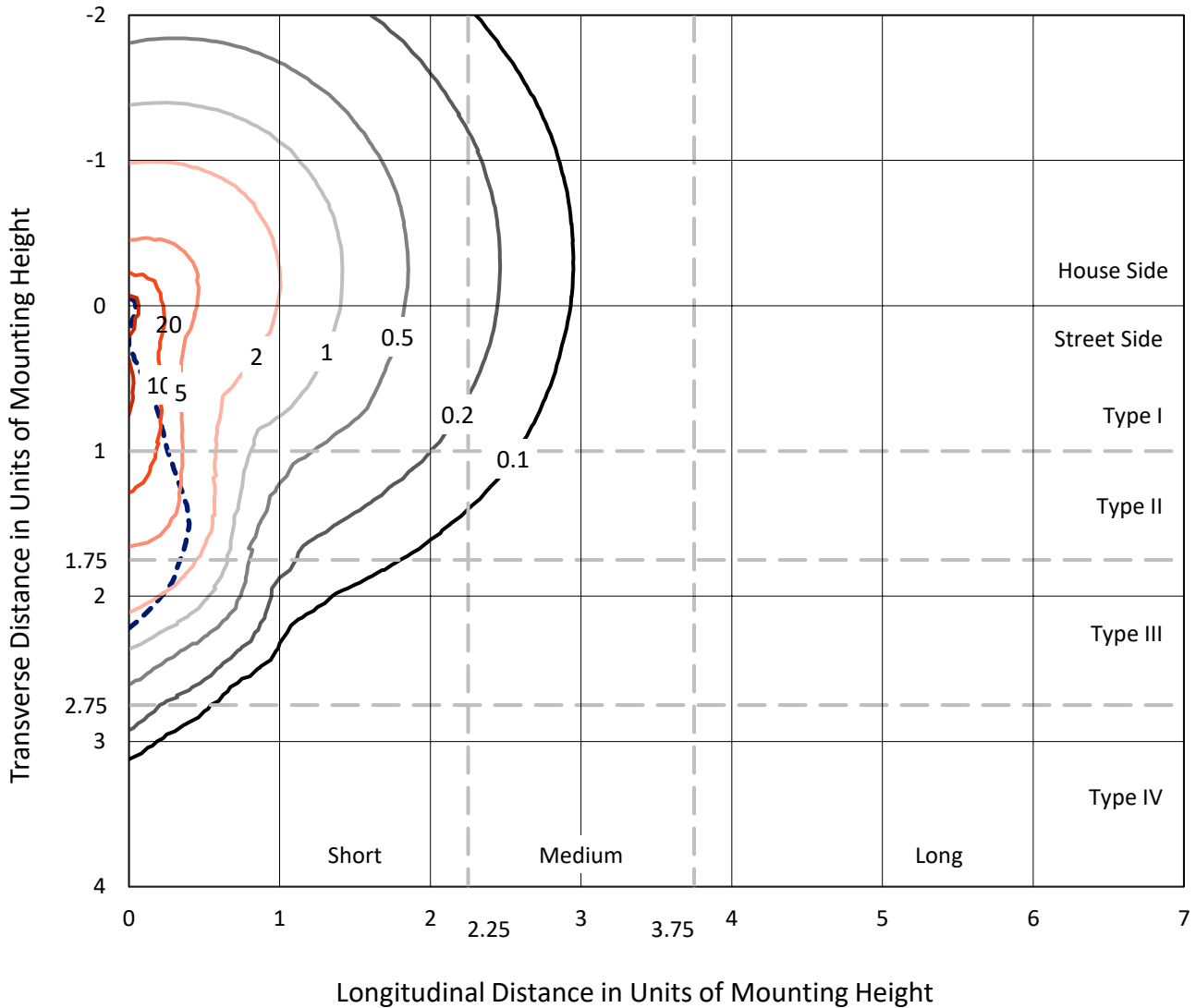
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

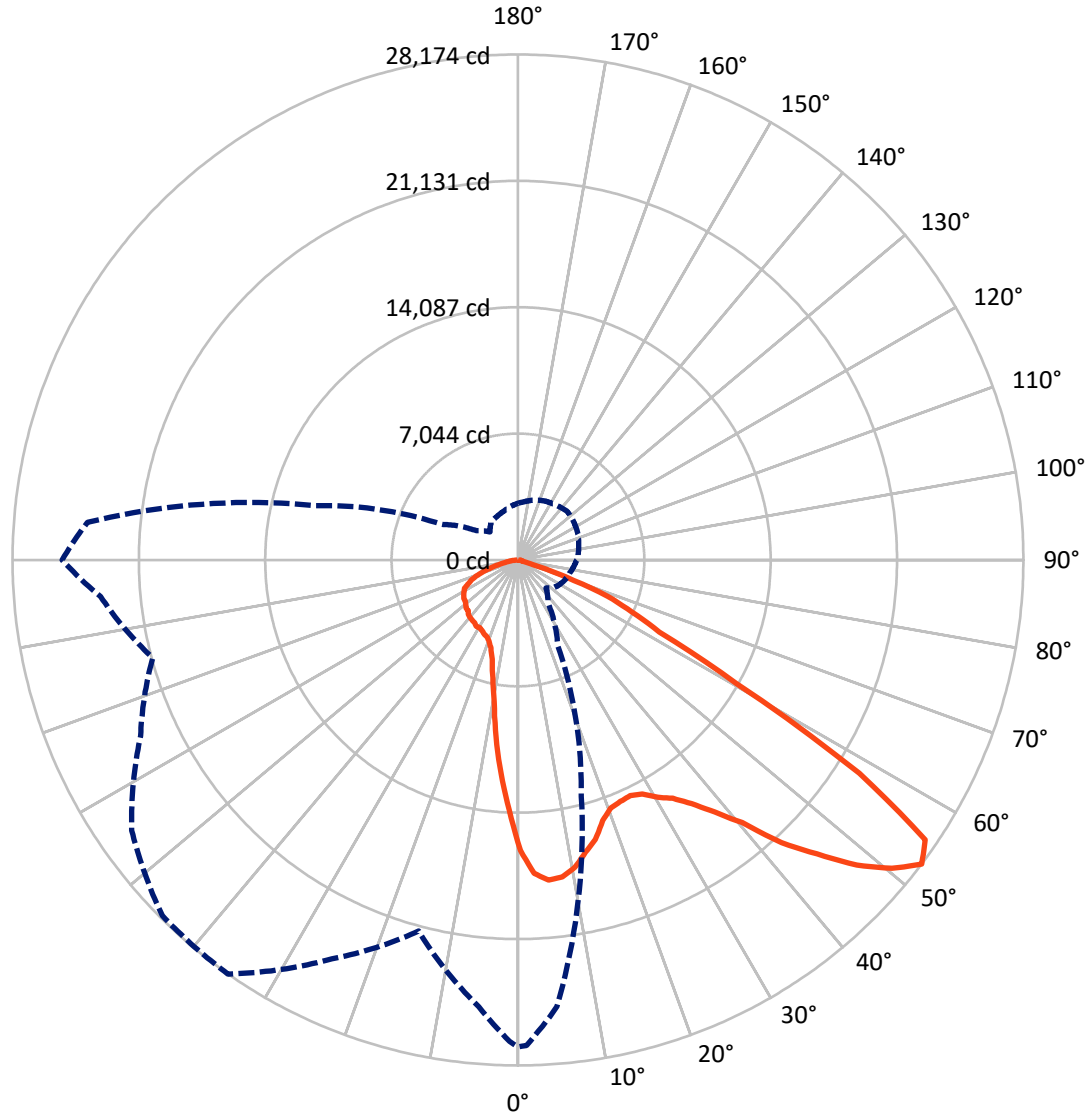
× Max cd
 - - - 1/2 Max cd



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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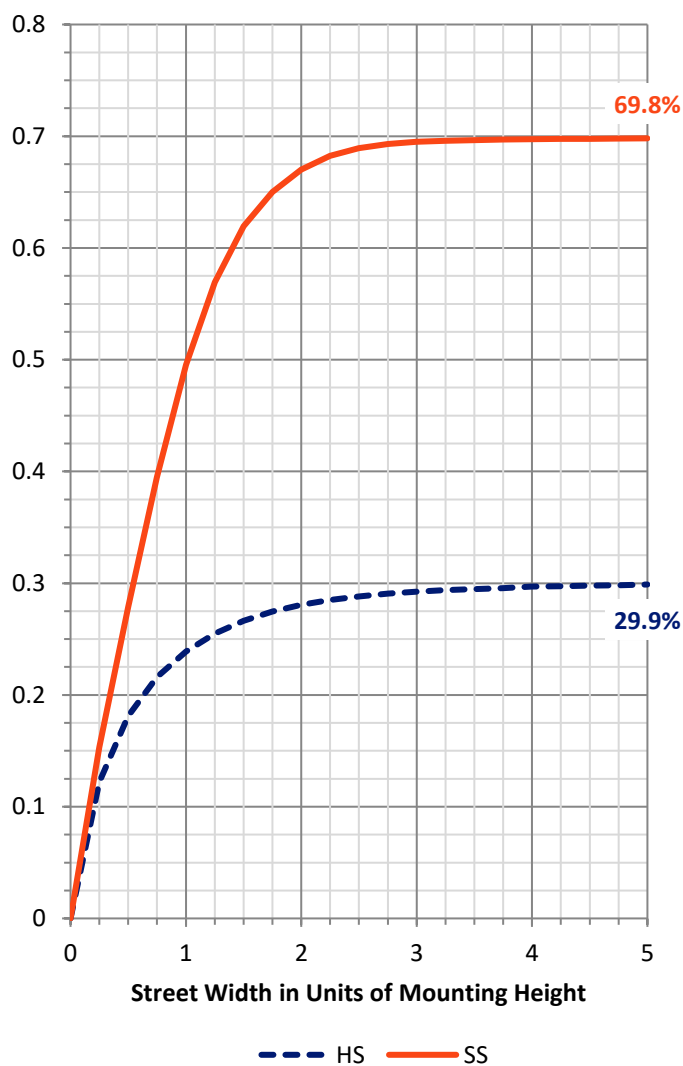
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10994.2	0.0	10994.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	25475.8	0.0	25475.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	36470.0	0.0	36470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1234.8	3.4
10°-20°	2676.9	7.3
20°-30°	4044.6	11.1
30°-40°	5844.6	16.0
40°-50°	7778.1	21.3
50°-60°	8700.0	23.9
60°-70°	4903.3	13.4
70°-80°	1093.0	3.0
80°-90°	194.6	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°	36470.0	100.0
0°-180°	36470.0	100.0

Coefficient of Utilization



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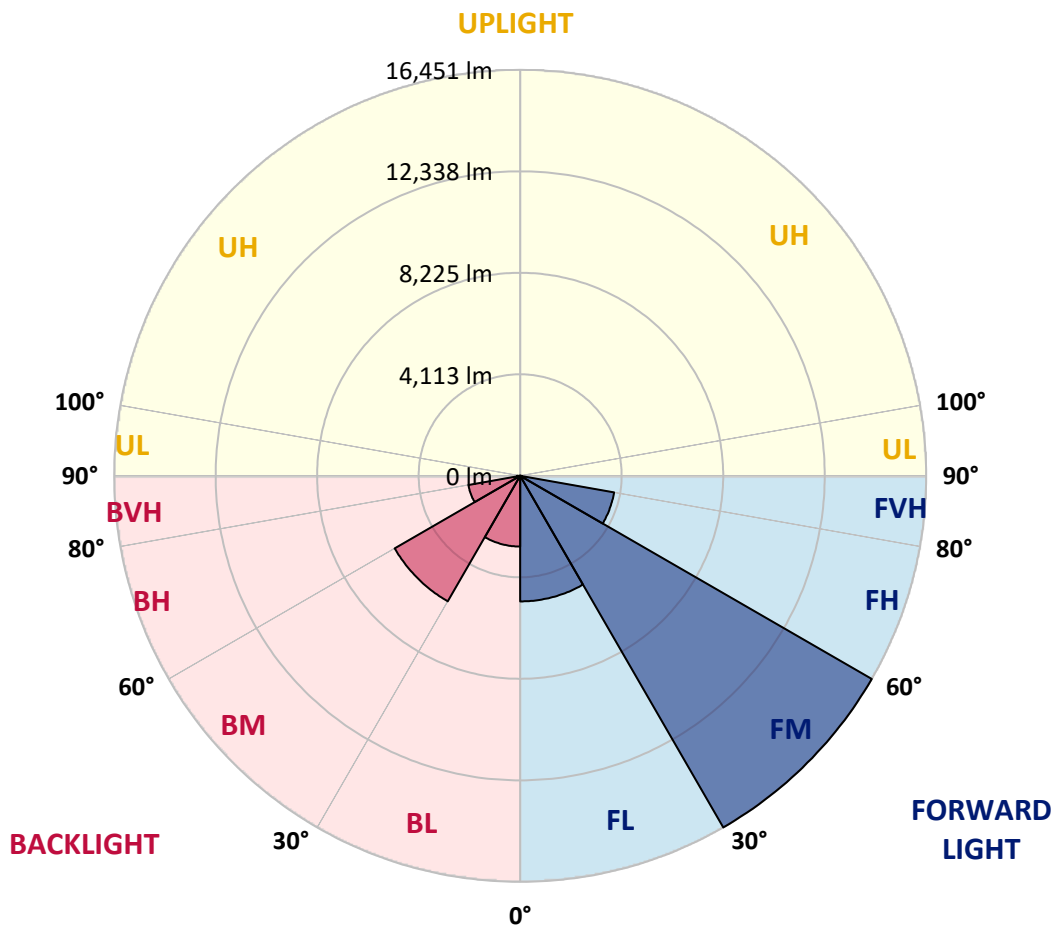
CATALOG NUMBER: GALN-SA7C-760-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5089.3	14.0			
FM (30°-60°)	16450.8	45.1			
FH (60°-80°)	3865.3	10.6			G2/5000
FVH (80°-90°)	70.5	0.2			G1/100
BL (0°-30°)	2867.0	7.9	B4/5000		
BM (30°-60°)	5872.0	16.1	B4/8500		
BH (60°-80°)	2131.0	5.8	B3/2500		G3/2500
BVH (80°-90°)	124.2	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°	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6
2.5°	16455.2	16719.5	16434.1	15926.6	15567.2	15239.4	14895.8	14827.1	14377.8	14298.5	13970.8
5°	15519.6	15461.4	15112.6	14446.5	13711.8	13045.7	12554.2	12078.4	11756.0	11380.7	11354.2
7.5°	14383.1	14044.8	13843.9	12834.3	11925.1	10878.5	10429.2	9705.0	9477.7	9139.4	8965.0
10°	13368.2	13119.8	12649.3	11639.7	10371.1	9678.6	9197.6	8806.4	8542.1	8193.2	7754.5
12.5°	12866.0	12765.6	12237.0	10672.4	9731.5	8991.4	8653.1	8272.5	7823.2	7262.9	7046.2
15°	12955.9	12617.6	12215.9	10487.3	9187.0	8473.4	7934.2	7458.5	6882.3	6348.4	6036.6
17.5°	13627.2	13368.2	12564.7	10603.6	8980.8	7950.1	6972.2	6269.1	5751.1	5270.1	5053.4
20°	14948.7	14573.4	13669.5	10751.6	8536.8	7220.6	6100.0	5233.1	4678.1	4424.3	4350.3
22.5°	16412.9	16190.9	14747.8	11084.7	8182.7	6544.0	5175.0	4308.1	4101.9	4033.2	4170.6
25°	18194.3	17618.1	16423.5	11629.1	7907.8	5967.8	4392.6	3911.6	3805.9	3874.6	4033.2
27.5°	19547.5	19394.2	17597.0	12141.9	7532.5	5275.4	3953.9	3636.7	3668.5	3737.2	3885.2
30°	21154.4	20377.4	18733.4	12496.0	7194.2	4799.7	3647.3	3562.7	3594.5	3710.7	3784.7
32.5°	22121.7	21831.0	19447.0	13029.9	6803.0	4387.3	3409.4	3330.2	3377.7	3552.2	3726.6
35°	23353.4	22777.2	20329.8	13167.3	6528.2	4223.5	3240.3	3182.1	3293.2	3414.7	3610.3
37.5°	24791.2	24394.7	21550.9	13072.2	6380.2	4054.3	3097.6	3071.1	3150.4	3319.6	3546.9
40°	25642.2	25520.6	22190.5	13130.3	6147.6	3906.3	2933.7	2965.4	3129.3	3261.4	3483.4
42.5°	26461.5	25668.6	23136.6	13109.2	5999.6	3705.5	2949.6	2912.6	3039.4	3192.7	3404.2
45°	26641.2	25853.6	23358.7	12961.2	5819.8	3509.9	2828.0	2843.8	2997.1	3187.4	3324.9
47.5°	26524.9	25943.5	23771.0	12918.9	5650.7	3372.4	2648.3	2838.6	2928.4	3081.7	3277.3
50°	26445.7	26413.9	24119.8	13119.8	5423.4	3155.7	2431.5	2769.8	2859.7	3013.0	3224.4
52.5°	27143.4	27074.7	24992.0	13648.3	5243.7	2923.1	2209.5	2595.4	2812.1	2960.1	3166.3
55°	27566.3	27265.0	26487.9	14298.5	4942.4	2616.6	2056.2	2378.7	2695.8	2828.0	3039.4
57.5°	24796.4	24590.3	23961.3	13347.0	4434.9	2214.8	1865.9	2156.7	2537.3	2743.4	2960.1
60°	20631.1	20308.7	18696.4	11343.7	3272.0	1723.2	1749.7	1982.2	2495.0	2574.3	2828.0
62.5°	19452.3	18654.2	16460.5	9128.9	2510.8	1480.1	1569.9	1823.7	2273.0	2405.1	2658.8
65°	15435.0	14843.0	11777.1	6591.6	1680.9	1284.5	1432.5	1643.9	1961.1	2220.1	2452.7
67.5°	9662.7	9097.1	6285.0	3118.7	1173.5	1099.5	1279.2	1501.2	1760.2	1992.8	2251.8
70°	5048.1	4429.6	2902.0	1125.9	808.8	898.6	1067.8	1279.2	1532.9	1723.2	1924.1
72.5°	1881.8	1527.6	946.2	486.3	560.3	687.2	866.9	1020.2	1199.9	1432.5	1543.5
75°	290.7	248.4	243.2	296.0	380.6	496.9	618.5	771.8	930.3	1078.3	1152.3
77.5°	137.4	132.1	148.0	195.6	253.7	354.2	449.3	597.3	724.2	819.3	861.6
80°	89.9	84.6	95.1	132.1	190.3	264.3	359.4	459.9	576.2	655.5	644.9
82.5°	52.9	58.1	58.1	89.9	132.1	190.3	259.0	348.9	428.2	496.9	454.6
85°	31.7	26.4	26.4	52.9	89.9	153.3	216.7	148.0	153.3	153.3	174.4
87.5°	10.6	10.6	10.6	5.3	10.6	10.6	15.9	26.4	31.7	37.0	47.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6
2.5°	13960.2	14124.1	14065.9	13859.8	14018.4	14044.8	13939.1	14303.8	14372.5	14261.5	14293.2
5°	11317.2	11359.5	11454.7	11655.5	11798.3	11967.4	11967.4	11978.0	11835.3	12194.7	12089.0
7.5°	8817.0	8843.4	8954.4	9382.6	9504.2	9826.6	9964.0	9868.9	9583.4	9461.9	9562.3
10°	7611.8	7458.5	7421.5	7474.3	7749.2	7886.7	8002.9	7971.2	7923.7	7828.5	7722.8
12.5°	6808.3	6697.3	6607.5	6480.6	6496.4	6628.6	6718.5	6644.5	6665.6	6686.7	6718.5
15°	5936.1	5856.8	5809.3	5619.0	5597.8	5687.7	5719.4	5761.7	5841.0	5846.3	5809.3
17.5°	5011.1	4942.4	5048.1	5153.8	5079.8	5085.1	5143.2	5180.2	5159.1	5063.9	5016.4
20°	4376.8	4450.8	4556.5	4656.9	4736.2	4783.8	4804.9	4746.8	4678.1	4482.5	4477.2
22.5°	4191.8	4286.9	4376.8	4530.1	4604.1	4725.6	4614.6	4482.5	4387.3	4292.2	4181.2
25°	4054.3	4133.6	4313.3	4371.5	4514.2	4614.6	4535.4	4403.2	4239.3	4101.9	4017.3
27.5°	3953.9	4043.8	4160.1	4318.6	4429.6	4487.8	4408.5	4355.6	4186.5	4022.6	3901.0
30°	3890.5	3985.6	4197.1	4329.2	4424.3	4471.9	4334.5	4271.1	4149.5	4012.0	3906.3
32.5°	3848.2	3932.8	4112.5	4281.6	4345.1	4345.1	4366.2	4292.2	4123.0	3890.5	3800.6
35°	3710.7	3827.0	3975.0	4170.6	4286.9	4355.6	4249.9	4165.3	4054.3	3816.5	3652.6
37.5°	3631.5	3710.7	3901.0	4086.0	4186.5	4260.5	4218.2	4070.2	3922.2	3726.6	3594.5
40°	3546.9	3673.7	3842.9	4017.3	4128.3	4202.3	4170.6	3996.2	3816.5	3631.5	3541.6
42.5°	3488.7	3573.3	3747.7	3943.3	4075.5	4218.2	4123.0	3906.3	3779.5	3525.7	3425.3
45°	3441.2	3578.6	3763.6	3842.9	3980.3	4128.3	3959.2	3827.0	3679.0	3494.0	3409.4
47.5°	3383.0	3509.9	3631.5	3842.9	3906.3	3975.0	3943.3	3731.9	3605.0	3404.2	3346.0
50°	3361.9	3409.4	3631.5	3747.7	3837.6	3906.3	3821.7	3663.2	3541.6	3335.4	3208.6
52.5°	3277.3	3367.2	3509.9	3663.2	3774.2	3858.8	3721.3	3620.9	3457.0	3240.3	3161.0
55°	3171.6	3224.4	3478.2	3636.7	3694.9	3753.0	3700.2	3536.3	3367.2	3145.1	3065.9
57.5°	3034.1	3155.7	3361.9	3583.9	3657.9	3689.6	3605.0	3472.9	3261.4	3065.9	2939.0
60°	2891.4	3018.3	3245.6	3425.3	3499.3	3615.6	3488.7	3409.4	3166.3	2949.6	2812.1
62.5°	2748.7	2891.4	3060.6	3287.9	3351.3	3398.9	3367.2	3256.2	3060.6	2817.4	2648.3
65°	2579.5	2685.3	2896.7	3013.0	3055.3	3166.3	3055.3	3013.0	2838.6	2606.0	2463.3
67.5°	2325.8	2415.7	2600.7	2711.7	2743.4	2791.0	2785.7	2738.1	2542.5	2384.0	2257.1
70°	2035.1	2114.4	2230.7	2362.8	2378.7	2436.8	2384.0	2373.4	2246.5	2029.8	1961.1
72.5°	1633.4	1707.4	1860.7	1918.8	1924.1	1945.2	1918.8	1881.8	1850.1	1622.8	1554.1
75°	1252.8	1295.1	1369.1	1421.9	1421.9	1448.4	1432.5	1395.5	1310.9	1168.2	1099.5
77.5°	872.2	914.5	1009.6	1041.3	1036.0	1046.6	999.0	962.0	835.2	761.2	703.0
80°	634.3	660.7	708.3	729.5	734.7	750.6	692.5	660.7	586.7	502.2	475.7
82.5°	459.9	475.7	481.0	507.5	507.5	481.0	465.2	433.4	380.6	327.7	306.6
85°	190.3	195.6	200.9	232.6	237.9	285.4	264.3	248.4	216.7	185.0	169.2
87.5°	47.6	52.9	68.7	58.1	68.7	68.7	74.0	84.6	84.6	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°	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6
2.5°	14414.8	14457.1	14996.3	15065.0	15329.3	15598.9	16143.3	16534.5	16851.6	17057.8	17115.9
5°	12200.0	12469.6	12718.0	13119.8	13484.5	14002.5	14599.8	15339.9	16270.2	16745.9	16936.2
7.5°	9551.7	9868.9	10228.3	10619.5	11153.4	12083.7	12881.9	13738.2	14927.6	15419.1	16164.5
10°	7796.8	8151.0	8626.7	8928.0	9572.9	10460.9	11391.2	12379.7	13516.2	14224.5	15086.1
12.5°	6892.9	7183.6	7622.4	8256.7	8737.7	9313.9	10006.3	11253.8	12881.9	13553.2	14145.2
15°	5893.8	6216.3	6723.7	7426.8	8002.9	8690.1	9467.2	10825.6	12559.4	13595.5	14097.7
17.5°	5069.2	5301.8	5835.7	6443.6	7104.3	7854.9	8970.3	10804.5	12897.7	14224.5	15043.8
20°	4498.4	4530.1	4820.8	5338.8	6237.4	7215.3	8663.7	10698.8	13981.4	15308.1	16344.2
22.5°	4138.9	4107.2	4112.5	4551.2	5180.2	6586.3	8182.7	11058.2	15213.0	17031.4	17729.1
25°	3959.2	3874.6	3821.7	3916.9	4487.8	5841.0	7817.9	11534.0	16539.8	18453.3	19309.6
27.5°	3864.0	3716.0	3610.3	3626.2	4043.8	5465.7	7590.6	11740.1	17856.0	20435.5	20736.8
30°	3827.0	3642.0	3488.7	3435.9	3710.7	4942.4	7104.3	12094.3	19034.7	21524.4	21783.4
32.5°	3694.9	3467.6	3319.6	3272.0	3383.0	4482.5	6755.5	12348.0	20076.1	22708.5	22618.6
35°	3541.6	3351.3	3166.3	3076.4	3155.7	4186.5	6475.3	12226.4	21302.4	23628.2	23580.7
37.5°	3525.7	3277.3	3124.0	2976.0	2970.7	3821.7	6094.7	12342.7	22084.7	25277.5	24627.3
40°	3388.3	3229.7	3028.9	2907.3	2838.6	3636.7	5724.7	12067.8	23231.8	25943.5	25303.9
42.5°	3393.6	3155.7	2981.3	2838.6	2769.8	3367.2	5471.0	11993.8	23633.5	27027.1	25621.0
45°	3309.0	3076.4	2928.4	2759.3	2722.3	3161.0	5227.8	11650.3	24341.8	27080.0	25224.6
47.5°	3224.4	3018.3	2859.7	2658.8	2574.3	3087.0	5037.5	11364.8	23971.8	26583.1	24674.9
50°	3166.3	2928.4	2780.4	2637.7	2399.8	2960.1	4789.1	11296.1	23453.8	25911.8	23654.7
52.5°	3065.9	2854.4	2701.1	2590.1	2209.5	2843.8	4693.9	11697.8	24088.1	25409.6	23358.7
55°	2970.7	2754.0	2558.4	2341.7	2051.0	2537.3	4429.6	12073.1	25013.2	26567.2	24701.3
57.5°	2870.3	2664.1	2452.7	2193.7	1897.7	2220.1	4154.8	12141.9	23279.4	24553.3	23448.5
60°	2738.1	2473.8	2315.3	1976.9	1733.8	1839.5	3293.2	10704.1	18056.8	20504.2	20541.2
62.5°	2590.1	2304.7	2167.2	1770.8	1564.6	1585.8	2685.3	8996.7	14647.4	16973.2	17982.8
65°	2394.5	2119.7	1955.8	1638.6	1443.1	1374.3	1966.4	6591.6	11126.9	13769.9	14917.0
67.5°	2140.8	1881.8	1675.6	1427.2	1289.8	1178.8	1342.6	3710.7	6570.4	9245.1	9594.0
70°	1871.2	1649.2	1432.5	1226.3	1073.0	993.8	983.2	1643.9	3139.9	4974.1	5661.3
72.5°	1474.8	1316.2	1141.8	988.5	888.0	771.8	703.0	681.9	1062.5	2024.5	2796.3
75°	1057.2	925.0	824.6	724.2	650.2	586.7	533.9	486.3	444.0	507.5	697.7
77.5°	666.0	618.5	539.2	512.7	470.5	454.6	433.4	407.0	375.3	354.2	354.2
80°	449.3	417.6	391.2	385.9	370.0	364.7	370.0	343.6	311.9	285.4	296.0
82.5°	301.3	296.0	290.7	285.4	290.7	296.0	306.6	301.3	274.9	259.0	264.3
85°	179.7	190.3	200.9	211.4	232.6	206.2	169.2	142.7	126.9	116.3	111.0
87.5°	68.7	95.1	84.6	79.3	84.6	79.3	74.0	68.7	58.1	52.9	52.9
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: P532268

CATALOG NUMBER: GALN-SA7C-760-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6	16185.6
2.5°	17501.8	17607.5	17697.4	17676.3	17491.2	17242.8	17142.4	16629.6	16523.9	16455.2
5°	17739.7	18352.9	18485.0	18405.7	17924.7	17316.8	16724.8	15974.2	15535.4	15519.6
7.5°	17300.9	18056.8	18294.7	18474.4	17834.8	16777.6	15762.7	14636.8	14362.0	14383.1
10°	16185.6	17390.8	17977.6	18162.6	17427.8	16513.3	15107.3	13965.5	13378.8	13368.2
12.5°	15567.2	16513.3	16677.2	16936.2	16719.5	15794.4	14726.7	13447.5	12876.6	12866.0
15°	15017.4	15641.2	15688.7	16053.5	16169.8	15546.0	14827.1	13463.3	13003.5	12955.9
17.5°	15498.4	15065.0	14885.3	14932.8	15276.4	15503.7	15408.6	14362.0	13891.5	13627.2
20°	15820.9	14853.5	14309.1	14362.0	14769.0	15598.9	16275.5	15662.3	14917.0	14948.7
22.5°	16682.5	14885.3	14034.2	13976.1	14621.0	16095.7	17253.4	17306.2	16587.3	16412.9
25°	17972.3	15250.0	13949.6	13933.8	14552.2	16629.6	18395.1	19251.5	18516.7	18194.3
27.5°	19008.3	15820.9	14213.9	14266.8	14769.0	17063.1	19367.8	20504.2	19943.9	19547.5
30°	19917.5	16412.9	14584.0	14340.8	15350.4	17290.4	19785.3	21931.4	21482.1	21154.4
32.5°	20292.8	17253.4	15170.7	14769.0	15831.5	17565.2	20652.2	23316.4	22930.5	22121.7
35°	20927.1	17723.8	15487.9	15456.1	16671.9	18226.0	21059.3	24230.8	24072.3	23353.4
37.5°	21434.6	18199.6	16613.8	16264.9	17824.3	19336.0	21714.7	25494.2	25129.5	24791.2
40°	21825.7	19050.6	17665.7	18125.6	19240.9	20345.7	22317.3	25573.5	26625.4	25642.2
42.5°	21466.3	19811.8	19394.2	20493.7	21550.9	21498.0	22386.0	26186.6	26974.3	26461.5
45°	21376.4	21101.6	22127.0	23126.1	23369.2	22454.8	21894.4	25510.0	26868.5	26641.2
47.5°	21159.7	22370.2	24156.8	25784.9	25414.9	23094.4	21307.7	25388.5	26932.0	26524.9
50°	21085.7	22645.1	25658.1	27243.8	27021.8	23649.4	21032.8	24606.1	26482.7	26445.7
52.5°	21080.4	23210.7	26281.8	28036.7	28174.2	24526.9	21408.1	25002.6	26831.5	27143.4
55°	21318.3	23030.9	26202.5	27598.0	27545.1	24135.7	21450.4	25266.9	27259.7	27566.3
57.5°	20107.8	20631.1	21624.9	22729.6	22444.2	19991.5	19156.3	23358.7	25018.4	24796.4
60°	17364.4	15725.7	14605.1	14552.2	13997.2	13230.8	15678.2	20847.8	20847.8	20631.1
62.5°	15207.7	10323.5	8869.8	8457.5	8854.0	9736.7	15123.1	20276.9	19700.8	19452.3
65°	13299.5	7881.4	6411.9	6295.6	6982.8	8314.8	13674.8	17274.5	16259.6	15435.0
67.5°	8558.0	5772.3	4767.9	4561.8	5391.7	6105.3	9102.4	10624.8	9985.2	9662.7
70°	5518.5	3758.3	2653.6	2489.7	2812.1	3763.6	5814.6	6195.1	5264.8	5048.1
72.5°	2611.3	1622.8	930.3	766.5	861.6	1437.8	2299.4	2473.8	2056.2	1881.8
75°	829.9	597.3	380.6	327.7	311.9	370.0	528.6	407.0	296.0	290.7
77.5°	370.0	354.2	301.3	253.7	222.0	185.0	153.3	126.9	132.1	137.4
80°	306.6	280.2	248.4	222.0	185.0	142.7	111.0	84.6	84.6	89.9
82.5°	269.6	243.2	216.7	185.0	158.6	116.3	84.6	58.1	52.9	52.9
85°	116.3	137.4	148.0	158.6	126.9	95.1	58.1	37.0	31.7	31.7
87.5°	47.6	42.3	37.0	31.7	26.4	26.4	21.1	15.9	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)