

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: P533776

Luminaire Tested: **GALN-SA9B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533776  
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-SA9B-727-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2700K, 800mA 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: 32130 lumens  
Efficiency: N/A  
Efficacy: 88.3 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

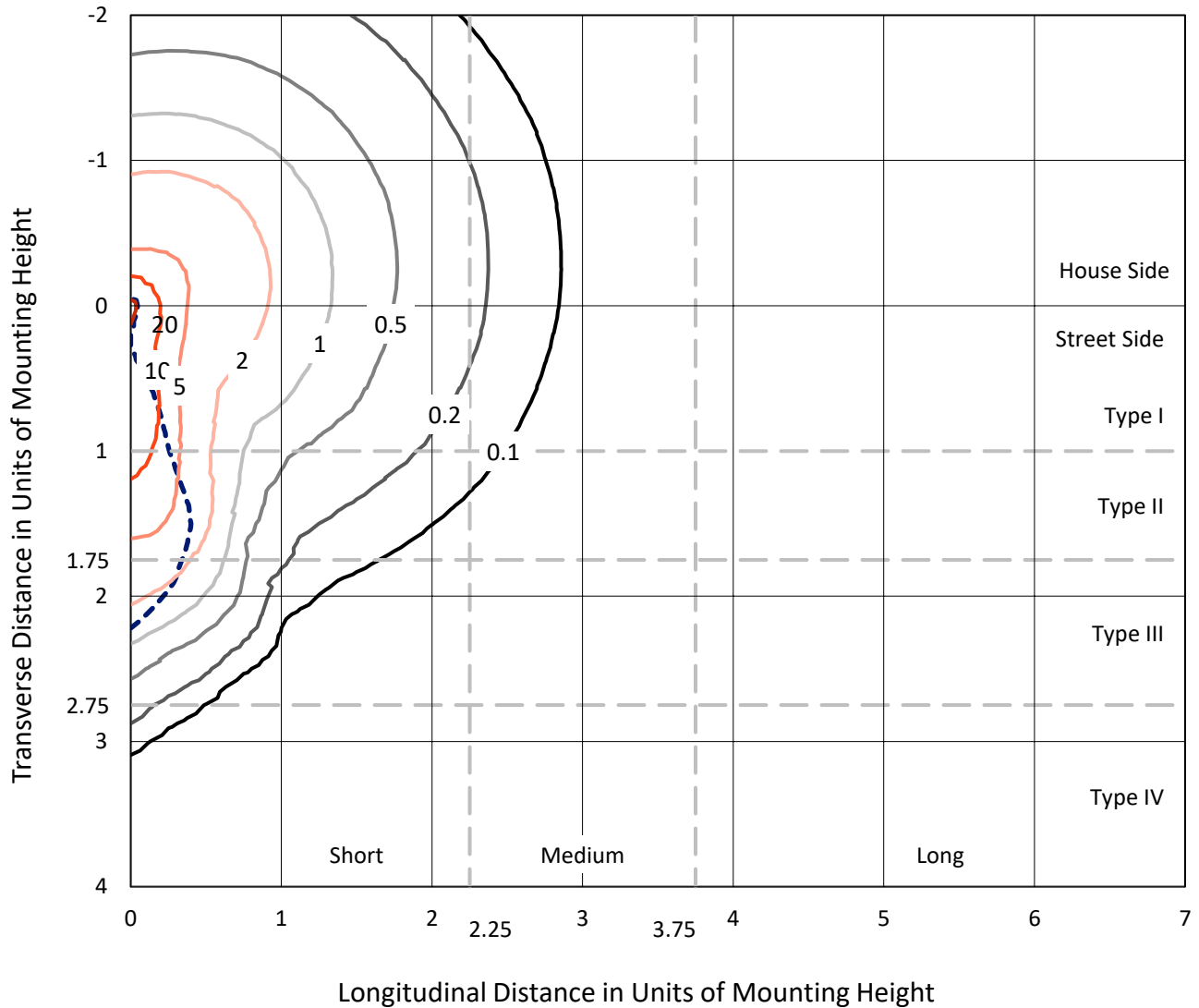
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

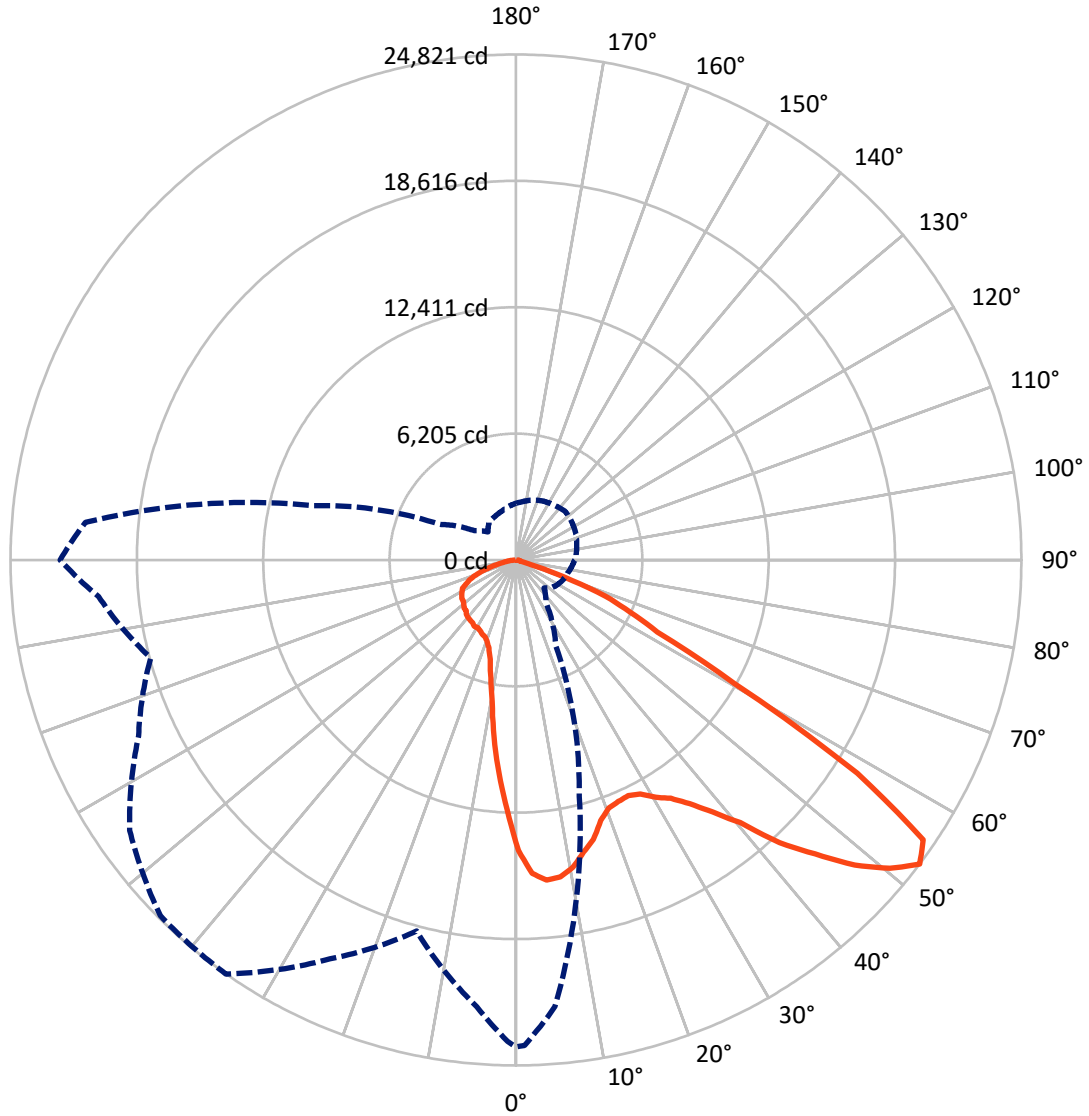
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.8 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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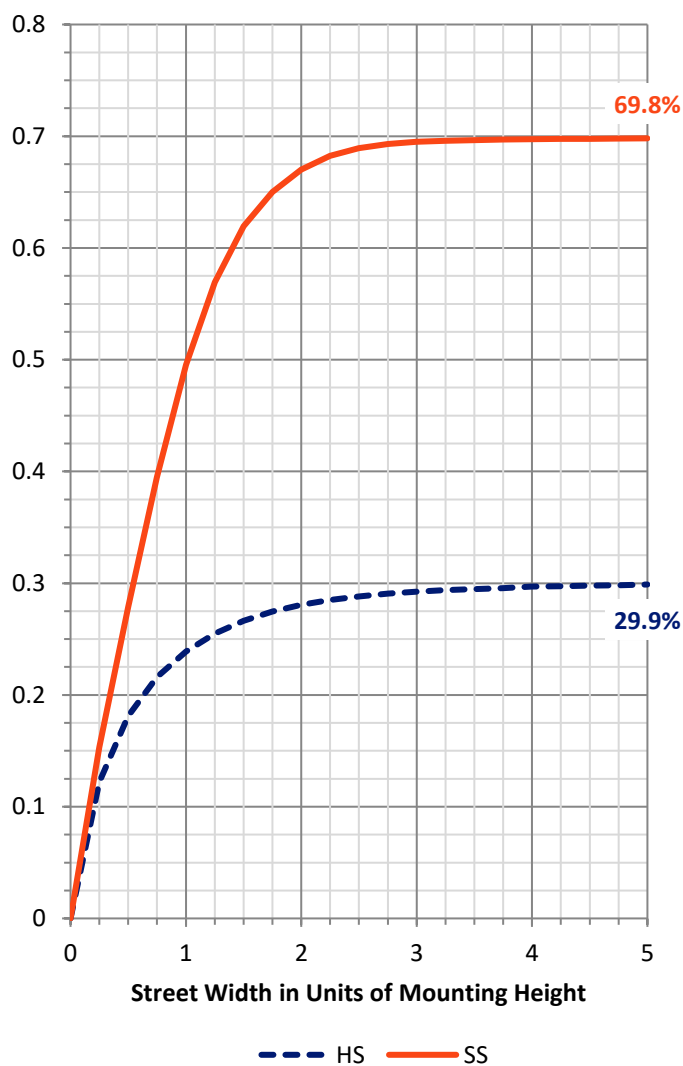
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9685.8	0.0	9685.8
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	22444.2	0.0	22444.2
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	32130.0	0.0	32130.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1087.9	3.4
10°-20°	2358.4	7.3
20°-30°	3563.3	11.1
30°-40°	5149.1	16.0
40°-50°	6852.5	21.3
50°-60°	7664.7	23.9
60°-70°	4319.8	13.4
70°-80°	962.9	3.0
80°-90°	171.5	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°	32130.0	100.0
0°-180°	32130.0	100.0

**Coefficient of Utilization**

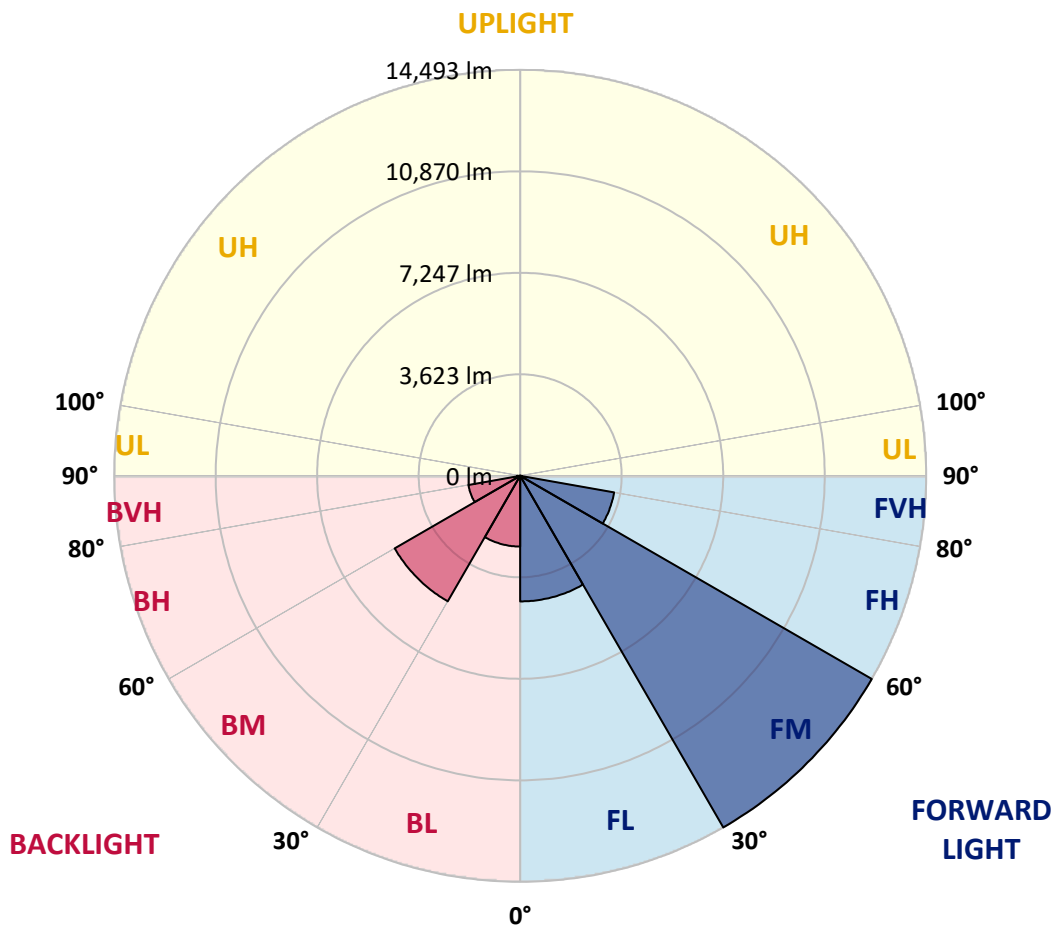


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4483.7	14.0			
FM (30°-60°)	14493.1	45.1			
FH (60°-80°)	3405.3	10.6			G2/5000
FVH (80°-90°)	62.1	0.2			G1/100
BL (0°-30°)	2525.8	7.9	B4/5000		
BM (30°-60°)	5173.2	16.1	B4/8500		
BH (60°-80°)	1877.4	5.8	B3/2500		G3/2500
BVH (80°-90°)	109.4	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°	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5
2.5°	14497.0	14729.8	14478.4	14031.3	13714.6	13425.9	13123.2	13062.7	12666.8	12597.0	12308.2
5°	13672.7	13621.5	13314.1	12727.4	12080.1	11493.3	11060.2	10641.1	10357.0	10026.4	10003.1
7.5°	12671.5	12373.4	12196.5	11307.0	10506.0	9583.9	9188.1	8550.1	8349.9	8051.8	7898.1
10°	11777.4	11558.5	11144.0	10254.5	9136.9	8526.8	8103.0	7758.4	7525.6	7218.2	6831.7
12.5°	11334.9	11246.5	10780.8	9402.3	8573.4	7921.4	7623.4	7288.1	6892.2	6398.6	6207.7
15°	11414.1	11116.1	10762.1	9239.3	8093.7	7465.0	6990.0	6570.9	6063.3	5593.0	5318.2
17.5°	12005.5	11777.4	11069.5	9341.8	7912.1	7004.0	6142.5	5523.1	5066.7	4643.0	4452.0
20°	13169.8	12839.1	12042.8	9472.2	7520.9	6361.4	5374.1	4610.4	4121.4	3897.8	3832.6
22.5°	14459.7	14264.1	12992.8	9765.6	7208.9	5765.3	4559.1	3795.4	3613.8	3553.2	3674.3
25°	16029.1	15521.5	14469.1	10245.2	6966.8	5257.7	3869.9	3446.1	3353.0	3413.5	3553.2
27.5°	17221.3	17086.2	15502.9	10696.9	6636.1	4647.6	3483.4	3204.0	3231.9	3292.4	3422.8
30°	18637.0	17952.4	16504.1	11009.0	6338.1	4228.5	3213.3	3138.8	3166.7	3269.2	3334.4
32.5°	19489.2	19233.1	17132.8	11479.3	5993.5	3865.2	3003.7	2933.9	2975.8	3129.5	3283.1
35°	20574.3	20066.7	17910.5	11600.4	5751.3	3720.9	2854.7	2803.5	2901.3	3008.4	3180.7
37.5°	21841.0	21491.7	18986.3	11516.6	5620.9	3571.9	2729.0	2705.7	2775.5	2924.5	3124.8
40°	22590.7	22483.6	19549.8	11567.8	5416.0	3441.5	2584.6	2612.5	2756.9	2873.3	3068.9
42.5°	23312.5	22614.0	20383.3	11549.2	5285.6	3264.5	2598.6	2566.0	2677.7	2812.8	2999.1
45°	23470.9	22777.0	20578.9	11418.8	5127.3	3092.2	2491.5	2505.4	2640.5	2808.1	2929.2
47.5°	23368.4	22856.2	20942.2	11381.5	4978.2	2971.1	2333.1	2500.8	2579.9	2715.0	2887.3
50°	23298.6	23270.6	21249.5	11558.5	4778.0	2780.2	2142.2	2440.2	2519.4	2654.4	2840.7
52.5°	23913.3	23852.7	22017.9	12024.2	4619.7	2575.3	1946.6	2286.5	2477.5	2607.9	2789.5
55°	24285.8	24020.4	23335.8	12597.0	4354.2	2305.2	1811.5	2095.6	2375.0	2491.5	2677.7
57.5°	21845.6	21664.0	21109.8	11758.7	3907.2	1951.2	1643.9	1900.0	2235.3	2416.9	2607.9
60°	18176.0	17891.9	16471.5	9993.8	2882.6	1518.2	1541.4	1746.3	2198.1	2267.9	2491.5
62.5°	17137.5	16434.3	14501.7	8042.5	2212.0	1303.9	1383.1	1606.6	2002.5	2118.9	2342.4
65°	13598.2	13076.6	10375.6	5807.2	1480.9	1131.6	1262.0	1448.3	1727.7	1955.9	2160.8
67.5°	8512.9	8014.6	5537.1	2747.6	1033.8	968.6	1127.0	1322.6	1550.8	1755.7	1983.8
70°	4447.4	3902.5	2556.6	991.9	712.5	791.7	940.7	1127.0	1350.5	1518.2	1695.1
72.5°	1657.9	1345.9	833.6	428.4	493.6	605.4	763.7	898.8	1057.1	1262.0	1359.8
75°	256.1	218.9	214.2	260.8	335.3	437.8	544.9	679.9	819.6	950.0	1015.2
77.5°	121.1	116.4	130.4	172.3	223.5	312.0	395.8	526.2	638.0	721.8	759.1
80°	79.2	74.5	83.8	116.4	167.6	232.8	316.7	405.2	507.6	577.5	568.1
82.5°	46.6	51.2	51.2	79.2	116.4	167.6	228.2	307.4	377.2	437.8	400.5
85°	27.9	23.3	23.3	46.6	79.2	135.1	190.9	130.4	135.1	135.1	153.7
87.5°	9.3	9.3	9.3	4.7	9.3	9.3	14.0	23.3	27.9	32.6	41.9
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°	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5
2.5°	12298.9	12443.3	12392.1	12210.4	12350.2	12373.4	12280.3	12601.6	12662.2	12564.4	12592.3
5°	9970.5	10007.7	10091.5	10268.5	10394.2	10543.3	10543.3	10552.6	10426.8	10743.5	10650.4
7.5°	7767.7	7791.0	7888.8	8266.0	8373.1	8657.2	8778.3	8694.5	8443.0	8335.9	8424.4
10°	6706.0	6570.9	6538.3	6584.9	6827.0	6948.1	7050.6	7022.6	6980.7	6896.9	6803.8
12.5°	5998.1	5900.3	5821.2	5709.4	5723.4	5839.8	5918.9	5853.7	5872.4	5891.0	5918.9
15°	5229.7	5159.9	5118.0	4950.3	4931.7	5010.8	5038.8	5076.0	5145.9	5150.6	5118.0
17.5°	4414.8	4354.2	4447.4	4540.5	4475.3	4480.0	4531.2	4563.8	4545.2	4461.3	4419.4
20°	3855.9	3921.1	4014.3	4102.7	4172.6	4214.5	4233.1	4181.9	4121.4	3949.1	3944.4
22.5°	3692.9	3776.8	3855.9	3991.0	4056.2	4163.3	4065.5	3949.1	3865.2	3781.4	3683.6
25°	3571.9	3641.7	3800.0	3851.3	3977.0	4065.5	3995.6	3879.2	3734.9	3613.8	3539.3
27.5°	3483.4	3562.5	3665.0	3804.7	3902.5	3953.7	3883.9	3837.3	3688.3	3543.9	3436.8
30°	3427.5	3511.3	3697.6	3814.0	3897.8	3939.8	3818.7	3762.8	3655.7	3534.6	3441.5
32.5°	3390.2	3464.7	3623.1	3772.1	3828.0	3828.0	3846.6	3781.4	3632.4	3427.5	3348.3
35°	3269.2	3371.6	3502.0	3674.3	3776.8	3837.3	3744.2	3669.7	3571.9	3362.3	3217.9
37.5°	3199.3	3269.2	3436.8	3599.8	3688.3	3753.5	3716.2	3585.8	3455.4	3283.1	3166.7
40°	3124.8	3236.6	3385.6	3539.3	3637.1	3702.3	3674.3	3520.6	3362.3	3199.3	3120.1
42.5°	3073.6	3148.1	3301.8	3474.1	3590.5	3716.2	3632.4	3441.5	3329.7	3106.2	3017.7
45°	3031.7	3152.7	3315.7	3385.6	3506.7	3637.1	3488.0	3371.6	3241.2	3078.2	3003.7
47.5°	2980.4	3092.2	3199.3	3385.6	3441.5	3502.0	3474.1	3287.8	3176.0	2999.1	2947.8
50°	2961.8	3003.7	3199.3	3301.8	3380.9	3441.5	3367.0	3227.2	3120.1	2938.5	2826.8
52.5°	2887.3	2966.5	3092.2	3227.2	3325.0	3399.6	3278.5	3190.0	3045.6	2854.7	2784.8
55°	2794.2	2840.7	3064.3	3204.0	3255.2	3306.4	3259.8	3115.5	2966.5	2770.9	2701.0
57.5°	2673.1	2780.2	2961.8	3157.4	3222.6	3250.5	3176.0	3059.6	2873.3	2701.0	2589.2
60°	2547.3	2659.1	2859.3	3017.7	3082.9	3185.3	3073.6	3003.7	2789.5	2598.6	2477.5
62.5°	2421.6	2547.3	2696.4	2896.6	2952.5	2994.4	2966.5	2868.7	2696.4	2482.1	2333.1
65°	2272.6	2365.7	2552.0	2654.4	2691.7	2789.5	2691.7	2654.4	2500.8	2295.9	2170.1
67.5°	2049.0	2128.2	2291.2	2389.0	2416.9	2458.9	2454.2	2412.3	2240.0	2100.3	1988.5
70°	1792.9	1862.8	1965.2	2081.6	2095.6	2146.8	2100.3	2091.0	1979.2	1788.3	1727.7
72.5°	1439.0	1504.2	1639.2	1690.5	1695.1	1713.7	1690.5	1657.9	1629.9	1429.7	1369.1
75°	1103.7	1140.9	1206.1	1252.7	1252.7	1276.0	1262.0	1229.4	1154.9	1029.2	968.6
77.5°	768.4	805.6	889.5	917.4	912.8	922.1	880.2	847.6	735.8	670.6	619.4
80°	558.8	582.1	624.0	642.7	647.3	661.3	610.1	582.1	516.9	442.4	419.1
82.5°	405.2	419.1	423.8	447.1	447.1	423.8	409.8	381.9	335.3	288.7	270.1
85°	167.6	172.3	177.0	204.9	209.6	251.5	232.8	218.9	190.9	163.0	149.0
87.5°	41.9	46.6	60.5	51.2	60.5	60.5	65.2	74.5	74.5	60.5	60.5
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5
2.5°	12699.4	12736.7	13211.7	13272.2	13505.1	13742.6	14222.2	14566.8	14846.3	15027.9	15079.1
5°	10748.2	10985.7	11204.6	11558.5	11879.8	12336.2	12862.4	13514.4	14334.0	14753.1	14920.8
7.5°	8415.1	8694.5	9011.1	9355.8	9826.1	10645.7	11348.9	12103.3	13151.1	13584.2	14240.9
10°	6869.0	7181.0	7600.1	7865.5	8433.7	9216.0	10035.7	10906.5	11907.7	12531.8	13290.9
12.5°	6072.6	6328.8	6715.3	7274.1	7697.9	8205.5	8815.6	9914.6	11348.9	11940.3	12461.9
15°	5192.5	5476.5	5923.6	6543.0	7050.6	7656.0	8340.5	9537.4	11064.8	11977.6	12420.0
17.5°	4466.0	4670.9	5141.2	5676.8	6258.9	6920.2	7902.8	9518.7	11362.9	12531.8	13253.6
20°	3963.0	3991.0	4247.1	4703.5	5495.2	6356.7	7632.7	9425.6	12317.6	13486.4	14399.2
22.5°	3646.4	3618.4	3623.1	4009.6	4563.8	5802.5	7208.9	9742.3	13402.6	15004.6	15619.3
25°	3488.0	3413.5	3367.0	3450.8	3953.7	5145.9	6887.6	10161.4	14571.5	16257.3	17011.7
27.5°	3404.2	3273.8	3180.7	3194.6	3562.5	4815.3	6687.3	10343.0	15731.1	18003.7	18269.1
30°	3371.6	3208.6	3073.6	3027.0	3269.2	4354.2	6258.9	10655.0	16769.6	18963.0	19191.2
32.5°	3255.2	3054.9	2924.5	2882.6	2980.4	3949.1	5951.5	10878.6	17687.0	20006.1	19927.0
35°	3120.1	2952.5	2789.5	2710.3	2780.2	3688.3	5704.7	10771.5	18767.4	20816.4	20774.5
37.5°	3106.2	2887.3	2752.2	2621.8	2617.2	3367.0	5369.4	10873.9	19456.6	22269.4	21696.6
40°	2985.1	2845.4	2668.4	2561.3	2500.8	3204.0	5043.4	10631.8	20467.2	22856.2	22292.7
42.5°	2989.7	2780.2	2626.5	2500.8	2440.2	2966.5	4819.9	10566.6	20821.1	23810.8	22572.1
45°	2915.2	2710.3	2579.9	2430.9	2398.3	2784.8	4605.7	10263.9	21445.1	23857.4	22222.8
47.5°	2840.7	2659.1	2519.4	2342.4	2267.9	2719.6	4438.0	10012.4	21119.1	23419.7	21738.5
50°	2789.5	2579.9	2449.5	2323.8	2114.2	2607.9	4219.2	9951.8	20662.8	22828.2	20839.7
52.5°	2701.0	2514.7	2379.7	2281.9	1946.6	2505.4	4135.3	10305.8	21221.6	22385.8	20578.9
55°	2617.2	2426.3	2253.9	2063.0	1806.9	2235.3	3902.5	10636.4	22036.5	23405.7	21761.8
57.5°	2528.7	2347.1	2160.8	1932.6	1671.8	1955.9	3660.3	10696.9	20509.1	21631.4	20658.1
60°	2412.3	2179.4	2039.7	1741.7	1527.5	1620.6	2901.3	9430.3	15908.0	18064.2	18096.8
62.5°	2281.9	2030.4	1909.3	1560.1	1378.4	1397.1	2365.7	7926.1	12904.3	14953.4	15842.8
65°	2109.6	1867.4	1723.1	1443.6	1271.3	1210.8	1732.4	5807.2	9802.8	12131.3	13141.8
67.5°	1886.1	1657.9	1476.2	1257.4	1136.3	1038.5	1182.9	3269.2	5788.6	8145.0	8452.3
70°	1648.5	1453.0	1262.0	1080.4	945.4	875.5	866.2	1448.3	2766.2	4382.2	4987.6
72.5°	1299.3	1159.6	1005.9	870.8	782.4	679.9	619.4	600.7	936.0	1783.6	2463.5
75°	931.4	815.0	726.5	638.0	572.8	516.9	470.3	428.4	391.2	447.1	614.7
77.5°	586.8	544.9	475.0	451.7	414.5	400.5	381.9	358.6	330.6	312.0	312.0
80°	395.8	367.9	344.6	340.0	326.0	321.3	326.0	302.7	274.8	251.5	260.8
82.5°	265.4	260.8	256.1	251.5	256.1	260.8	270.1	265.4	242.2	228.2	232.8
85°	158.3	167.6	177.0	186.3	204.9	181.6	149.0	125.7	111.8	102.5	97.8
87.5°	60.5	83.8	74.5	69.9	74.5	69.9	65.2	60.5	51.2	46.6	46.6
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: P533776

CATALOG NUMBER: GALN-SA9B-727-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5	14259.5
2.5°	15419.1	15512.2	15591.4	15572.7	15409.8	15190.9	15102.4	14650.7	14557.5	14497.0
5°	15628.6	16168.8	16285.3	16215.4	15791.6	15256.1	14734.5	14073.2	13686.7	13672.7
7.5°	15242.1	15908.0	16117.6	16275.9	15712.5	14781.1	13886.9	12895.0	12652.9	12671.5
10°	14259.5	15321.3	15838.2	16001.2	15353.9	14548.2	13309.5	12303.6	11786.7	11777.4
12.5°	13714.6	14548.2	14692.6	14920.8	14729.8	13914.9	12974.2	11847.2	11344.3	11334.9
15°	13230.3	13779.8	13821.7	14143.1	14245.5	13696.0	13062.7	11861.2	11456.0	11414.1
17.5°	13654.1	13272.2	13113.9	13155.8	13458.5	13658.7	13574.9	12652.9	12238.4	12005.5
20°	13938.2	13085.9	12606.3	12652.9	13011.4	13742.6	14338.7	13798.5	13141.8	13169.8
22.5°	14697.2	13113.9	12364.1	12312.9	12881.0	14180.3	15200.2	15246.8	14613.4	14459.7
25°	15833.5	13435.2	12289.6	12275.6	12820.5	14650.7	16206.1	16960.5	16313.2	16029.1
27.5°	16746.3	13938.2	12522.5	12569.0	13011.4	15032.5	17063.0	18064.2	17570.6	17221.3
30°	17547.3	14459.7	12848.4	12634.2	13523.7	15232.8	17430.9	19321.6	18925.7	18637.0
32.5°	17877.9	15200.2	13365.4	13011.4	13947.5	15474.9	18194.6	20541.7	20201.7	19489.2
35°	18436.7	15614.7	13644.8	13616.8	14687.9	16057.1	18553.2	21347.3	21207.6	20574.3
37.5°	18883.8	16033.8	14636.7	14329.3	15703.1	17035.0	19130.6	22460.3	22139.0	21841.0
40°	19228.4	16783.5	15563.4	15968.6	16951.2	17924.5	19661.5	22530.2	23456.9	22590.7
42.5°	18911.8	17454.1	17086.2	18054.9	18986.3	18939.7	19722.1	23070.4	23764.3	23312.5
45°	18832.6	18590.4	19493.9	20374.0	20588.2	19782.6	19289.0	22474.3	23671.1	23470.9
47.5°	18641.7	19708.1	21282.1	22716.5	22390.5	20346.1	18772.0	22367.2	23727.0	23368.4
50°	18576.5	19950.2	22604.7	24001.8	23806.2	20835.1	18529.9	21678.0	23331.2	23298.6
52.5°	18571.8	20448.5	23154.2	24700.3	24821.4	21608.1	18860.5	22027.2	23638.5	23913.3
55°	18781.4	20290.2	23084.4	24313.8	24267.2	21263.5	18897.8	22260.1	24015.7	24285.8
57.5°	17714.9	18176.0	19051.5	20024.8	19773.3	17612.5	16876.7	20578.9	22041.2	21845.6
60°	15298.0	13854.3	12867.1	12820.5	12331.5	11656.3	13812.4	18366.9	18366.9	18176.0
62.5°	13398.0	9095.0	7814.3	7451.1	7800.3	8578.0	13323.5	17863.9	17356.3	17137.5
65°	11716.8	6943.5	5648.8	5546.4	6151.8	7325.3	12047.5	15218.8	14324.7	13598.2
67.5°	7539.6	5085.4	4200.5	4018.9	4750.1	5378.7	8019.2	9360.4	8796.9	8512.9
70°	4861.8	3311.1	2337.8	2193.4	2477.5	3315.7	5122.6	5457.9	4638.3	4447.4
72.5°	2300.5	1429.7	819.6	675.3	759.1	1266.7	2025.8	2179.4	1811.5	1657.9
75°	731.1	526.2	335.3	288.7	274.8	326.0	465.7	358.6	260.8	256.1
77.5°	326.0	312.0	265.4	223.5	195.6	163.0	135.1	111.8	116.4	121.1
80°	270.1	246.8	218.9	195.6	163.0	125.7	97.8	74.5	74.5	79.2
82.5°	237.5	214.2	190.9	163.0	139.7	102.5	74.5	51.2	46.6	46.6
85°	102.5	121.1	130.4	139.7	111.8	83.8	51.2	32.6	27.9	27.9
87.5°	41.9	37.3	32.6	27.9	23.3	23.3	18.6	14.0	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)