

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: P533748

Luminaire Tested: **GALN-SA9B-722-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9B-722-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28242 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

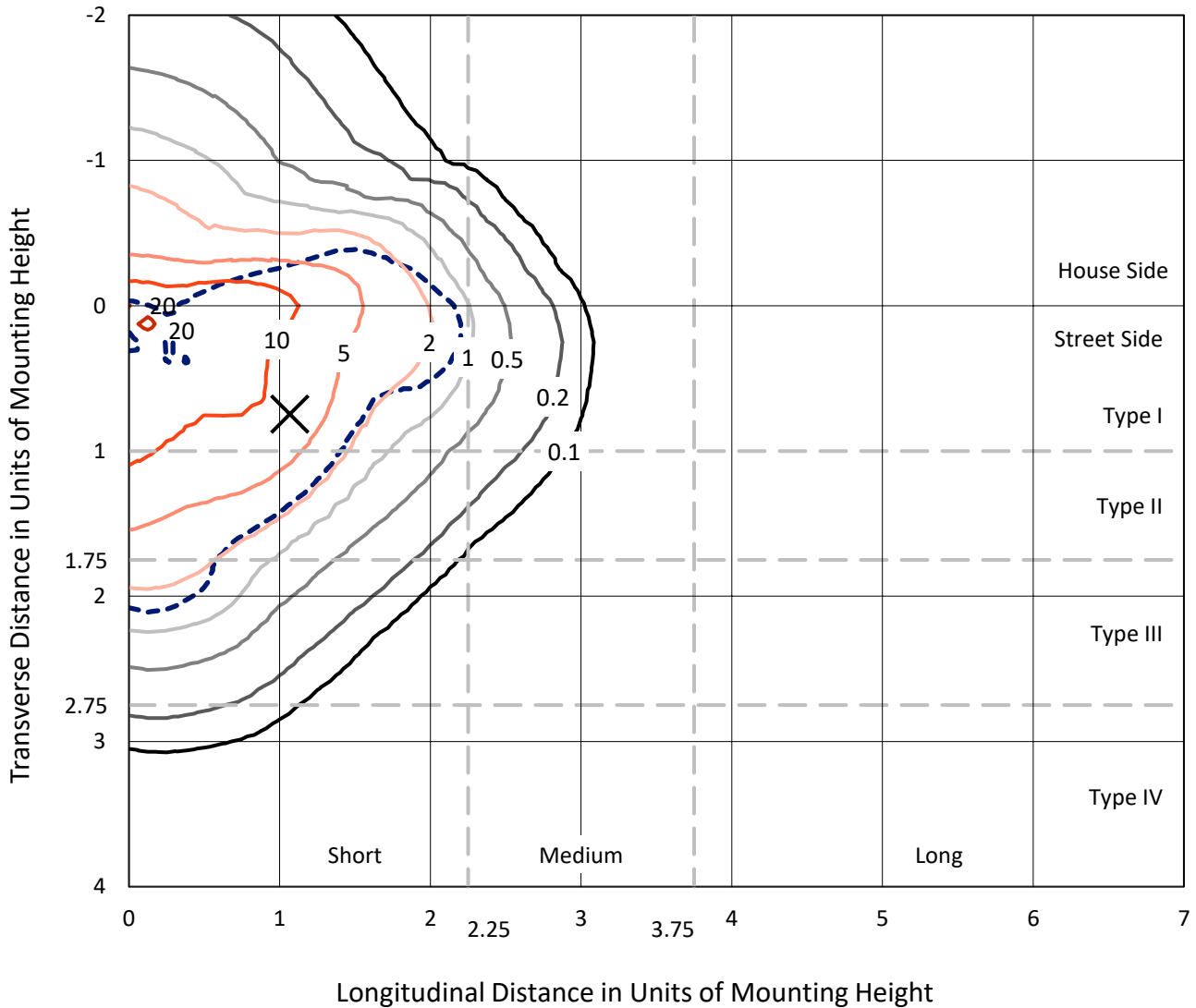
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

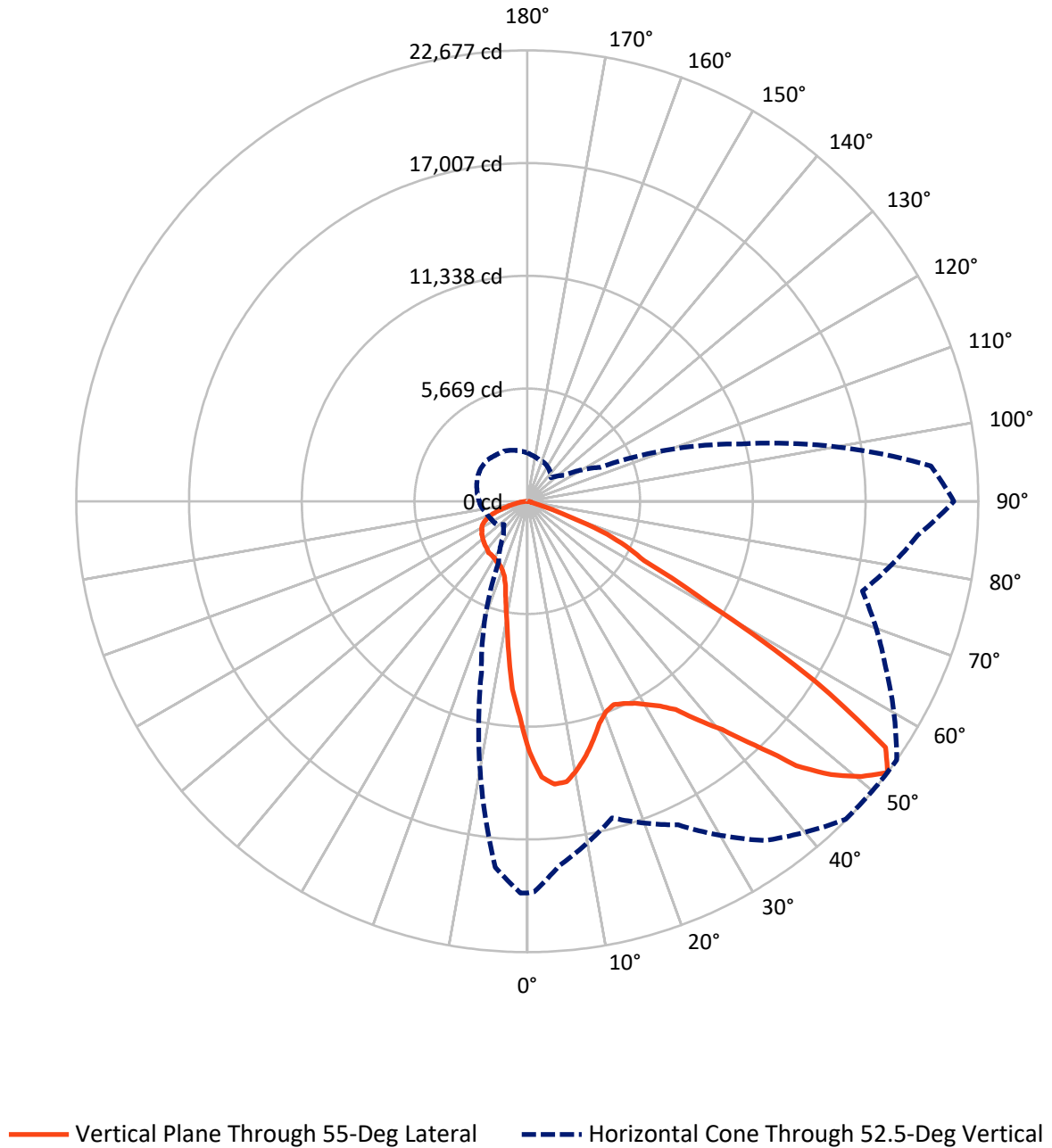
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8615.3	0.0	8615.3
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	19626.7	0.0	19626.7
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	28242.0	0.0	28242.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	962.5	3.4
10°-20°	2075.2	7.3
20°-30°	3146.7	11.1
30°-40°	4546.5	16.1
40°-50°	6075.4	21.5
50°-60°	6781.5	24.0
60°-70°	3719.9	13.2
70°-80°	804.2	2.8
80°-90°	130.1	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°	28242.0	100.0
0°-180°	28242.0	100.0

**Coefficient of Utilization**



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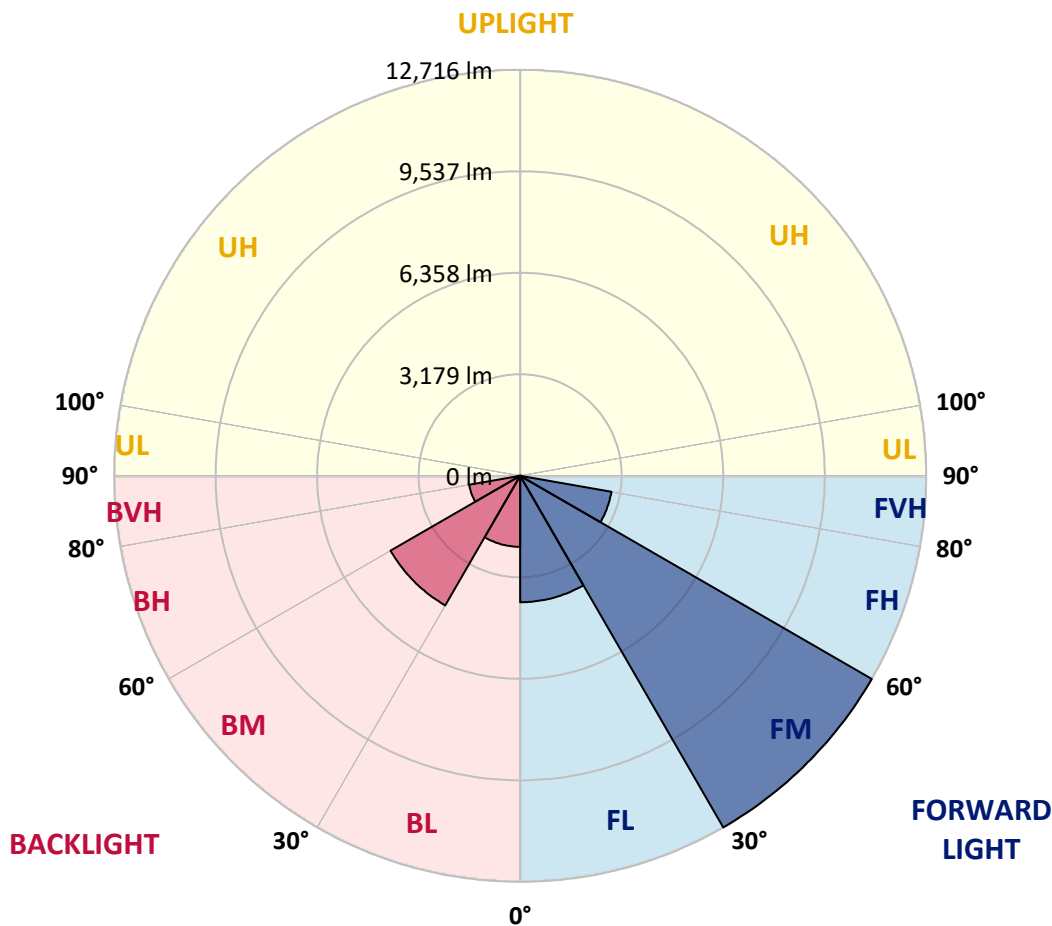
CATALOG NUMBER: GALN-SA9B-722-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3960.0	14.0			
FM (30°-60°)	12715.9	45.0			
FH (60°-80°)	2902.6	10.3			G2/5000
FVH (80°-90°)	48.2	0.2			G1/100
BL (0°-30°)	2224.4	7.9	B3/2500		
BM (30°-60°)	4687.4	16.6	B3/5000		
BH (60°-80°)	1621.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	81.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1
2.5°	13220.8	13146.6	13212.6	13526.0	13707.4	13831.1	13909.5	13897.1	13600.2	13311.5	13311.5
5°	12833.2	12738.3	12874.4	13583.7	14297.1	14359.0	14462.1	14293.0	13855.9	13328.0	12668.2
7.5°	11711.5	11781.6	12008.4	12940.4	13868.2	14334.2	14457.9	14243.5	13534.2	12548.6	11579.5
10°	10742.4	10907.4	11431.1	12437.3	13290.9	13897.1	14033.2	13732.2	13171.3	11963.1	11097.1
12.5°	10408.4	10305.3	10886.8	11893.0	12709.5	13035.2	13097.1	13117.7	12738.3	11666.1	10610.5
15°	10367.2	10433.1	10886.8	11649.6	12152.7	12169.2	12272.3	12433.2	12482.7	11868.2	10837.3
17.5°	10961.0	10882.6	11348.6	11954.8	11715.6	11476.5	11501.2	11732.1	12140.4	12041.4	11550.7
20°	11839.3	12016.7	12383.7	12321.8	11678.5	11072.3	11076.4	11295.0	12099.1	12758.9	12544.5
22.5°	13299.2	13472.4	13744.5	12998.1	11678.5	10952.7	10812.5	11109.4	12363.1	13612.6	13666.2
25°	14631.1	14948.7	15022.9	14144.5	12264.1	11064.1	10973.4	11266.1	12627.0	14445.6	14952.8
27.5°	15843.5	15959.0	16284.8	14882.7	12589.9	11138.3	11130.1	11505.3	12961.0	14862.1	16103.3
30°	16800.2	16787.9	16973.4	15348.7	13109.5	11554.8	11154.8	11864.1	13398.1	15550.7	17167.3
32.5°	17451.8	17592.0	17983.8	15996.1	13328.0	11950.7	11637.3	12284.7	13930.1	15876.5	17917.8
35°	18598.2	18841.5	18346.7	16354.9	14020.8	12342.4	11975.4	12857.9	14194.0	16231.2	18837.4
37.5°	19678.6	19493.1	18990.0	16548.7	14470.3	13068.2	12726.0	13967.2	15014.6	17002.3	19447.7
40°	20371.4	20367.3	19472.4	16705.4	14787.8	14177.5	14156.9	15093.0	16020.8	17488.9	20132.2
42.5°	20672.5	20961.1	19670.4	16688.9	15455.9	15521.9	15938.4	16775.5	16734.3	17587.9	20115.7
44°	21084.8	21258.0	20012.7	16726.0	15901.3	16429.1	17410.6	17942.5	17356.9	17534.3	20095.1
45°	21068.3	21080.7	19526.0	16775.5	16280.6	17187.9	18066.2	18965.2	17905.4	17418.8	20367.3
47.5°	20585.9	20445.7	19113.7	16408.5	17464.2	19192.0	20004.4	20548.7	18581.7	17171.4	20029.1
50°	19633.3	19472.4	18111.6	16251.8	17711.6	20437.4	21559.1	21757.0	19196.1	16928.1	19695.1
52.5°	19699.2	19653.9	18396.1	16486.8	17959.0	20829.2	22627.1	22676.6	19893.1	17439.4	19699.2
55°	20878.6	20721.9	19212.6	16779.6	17777.6	20371.4	21946.7	21860.1	19658.0	17130.1	20062.1
57.5°	19105.4	19208.5	18082.7	15620.8	15559.0	16561.1	17253.9	17039.4	16404.4	15460.0	18664.2
60°	15414.7	15707.4	15814.7	13064.1	11740.4	11224.9	11018.7	10639.3	10746.5	12701.2	16396.1
62.5°	13220.8	13204.3	13876.5	11843.5	7690.8	6614.5	6515.6	6602.2	7839.3	12503.3	16058.0
65°	10482.6	10763.0	10969.2	10037.3	6086.7	4911.4	4907.3	5455.7	6783.6	10449.6	12965.1
67.5°	6655.8	7022.8	7278.5	6420.7	4070.2	3497.0	3402.1	4061.9	4701.1	6853.7	7806.3
70°	3752.6	3925.8	4041.3	3703.1	2589.7	1814.5	1707.2	1863.9	2841.3	4437.2	4626.9
72.5°	1447.4	1525.8	1682.5	1694.9	977.3	585.6	474.2	569.1	1195.9	1756.7	1674.3
75°	222.7	239.2	338.1	404.1	280.4	214.4	226.8	235.1	334.0	453.6	379.4
77.5°	107.2	107.2	103.1	119.6	140.2	152.6	165.0	181.4	197.9	218.6	210.3
80°	70.1	70.1	70.1	82.5	103.1	123.7	140.2	148.5	156.7	173.2	165.0
82.5°	45.4	45.4	45.4	61.9	82.5	103.1	111.3	132.0	148.5	173.2	160.8
85°	24.7	24.7	24.7	41.2	61.9	86.6	82.5	66.0	37.1	4.1	8.2
87.5°	8.2	8.2	8.2	8.2	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°	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1
2.5°	12965.1	12775.4	12758.9	12371.3	12024.9	11855.8	11719.8	11340.4	11422.8	11204.3	11200.2
5°	12338.3	11950.7	11323.9	10808.4	10292.9	10189.8	9740.3	9348.6	9361.0	9080.5	9130.0
7.5°	11212.5	10944.5	10181.6	9373.3	8688.8	8202.2	7777.4	7521.8	7196.0	7084.6	7026.9
10°	10499.1	10169.2	9311.5	8297.0	7530.0	7270.2	6862.0	6635.1	6301.1	6136.2	6020.7
12.5°	10185.7	9703.2	8631.1	7600.1	7088.8	6820.7	6474.3	6061.9	5666.1	5513.5	5303.2
15°	10218.7	9641.4	8433.1	7319.7	6705.2	6185.7	5876.4	5418.6	5014.5	4746.5	4593.9
17.5°	10717.7	10016.6	8523.8	7105.3	6222.8	5571.2	4965.0	4470.2	4148.5	3946.4	3897.0
20°	11897.1	10944.5	8676.4	6758.9	5740.3	4927.9	4181.5	3666.0	3418.6	3414.5	3418.6
22.5°	12878.5	11934.2	8985.7	6552.7	5257.8	4103.2	3360.9	3195.9	3146.4	3249.5	3261.9
25°	14202.3	13047.6	9517.7	6445.5	4812.4	3497.0	3039.2	2977.4	2973.2	3105.2	3109.3
27.5°	15559.0	14020.8	9835.2	6132.0	4358.8	3183.6	2845.4	2833.0	2899.0	3039.2	3026.8
30°	16482.7	14837.3	10408.4	5756.8	3822.7	2907.3	2767.0	2783.5	2874.3	2981.5	2998.0
32.5°	17559.0	15641.5	10556.9	5550.6	3492.8	2676.3	2577.4	2614.5	2729.9	2899.0	2989.7
35°	18792.0	16210.5	10783.7	5270.2	3369.1	2499.0	2449.5	2490.8	2631.0	2742.3	2841.3
37.5°	19703.4	17216.7	10824.9	5051.6	3233.0	2400.0	2321.7	2457.8	2540.2	2696.9	2746.4
40°	20379.7	17946.6	10932.1	4915.5	3125.8	2272.2	2272.2	2362.9	2474.3	2618.6	2717.6
42.5°	20812.7	18478.6	11010.5	4791.8	2919.6	2235.1	2214.5	2305.2	2453.6	2593.9	2639.2
44°	21076.6	18705.4	10932.1	4676.4	2861.9	2189.7	2189.7	2268.1	2383.5	2548.5	2602.1
45°	21142.6	18990.0	10758.9	4672.2	2791.8	2136.1	2127.9	2276.3	2354.7	2556.7	2589.7
47.5°	21398.2	19340.5	10779.5	4540.3	2622.7	2008.3	2152.6	2218.6	2288.7	2466.0	2577.4
50°	21390.0	19559.0	10734.2	4346.5	2499.0	1863.9	2103.1	2177.4	2247.5	2428.9	2474.3
52.5°	21447.7	20375.5	11150.7	4037.2	2276.3	1678.4	1938.2	2103.1	2189.7	2342.3	2437.1
55°	21418.9	20841.5	11563.1	3806.2	1962.9	1567.0	1798.0	1991.8	2115.5	2276.3	2321.7
57.5°	19563.2	18420.9	10701.2	3373.2	1624.8	1435.1	1600.0	1876.3	2033.0	2198.0	2255.7
60°	15983.7	14198.1	8824.9	2482.5	1336.1	1319.6	1488.7	1839.2	1905.2	2049.5	2148.5
62.5°	14771.3	12453.8	6998.0	1896.9	1142.3	1208.3	1373.2	1661.9	1765.0	1942.3	2033.0
65°	11558.9	8272.3	4334.1	1282.5	1006.2	1084.6	1241.3	1455.7	1624.8	1789.7	1896.9
67.5°	6845.5	4519.7	2144.4	899.0	878.4	960.8	1121.7	1282.5	1476.3	1657.8	1711.4
70°	3727.9	2222.7	915.5	684.5	746.4	820.6	977.3	1088.7	1274.2	1414.5	1505.2
72.5°	1195.9	676.3	457.7	507.2	569.1	655.7	750.5	886.6	1018.6	1101.0	1175.3
75°	288.7	284.5	325.8	354.6	412.4	478.4	556.7	626.8	729.9	808.3	874.2
77.5°	202.1	218.6	251.5	292.8	313.4	338.1	387.6	441.2	486.6	544.3	585.6
80°	156.7	169.1	193.8	214.4	235.1	255.7	280.4	301.0	329.9	367.0	387.6
82.5°	148.5	156.7	181.4	193.8	185.6	181.4	197.9	206.2	210.3	222.7	235.1
85°	12.4	0.0	8.2	28.9	70.1	103.1	111.3	111.3	107.2	115.5	115.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	16.5	12.4
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°	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1
2.5°	11150.7	11010.5	11064.1	11130.1	11035.2	10816.6	10874.4	10849.6	11072.3	11055.8	11278.5
5°	9348.6	9130.0	9154.8	9476.4	9373.3	9484.7	9262.0	9233.1	9274.4	9295.0	9332.1
7.5°	7154.7	7125.9	7373.3	7645.5	7773.3	7641.3	7422.8	7373.3	7327.9	7237.2	7443.4
10°	5839.3	5847.5	5831.0	6037.2	6181.5	6152.7	6020.7	6004.2	5917.6	5884.6	6000.1
12.5°	5212.4	5101.1	5047.5	4981.5	5092.9	5167.1	5109.4	5068.1	5072.2	5113.5	5130.0
15°	4606.3	4536.1	4420.7	4346.5	4400.1	4362.9	4342.3	4424.8	4404.2	4395.9	4494.9
17.5°	3925.8	3983.6	3975.3	3892.8	3962.9	3934.1	3930.0	3872.2	3793.9	3736.1	3769.1
20°	3476.3	3583.6	3666.0	3670.2	3707.3	3703.1	3641.3	3464.0	3406.2	3393.9	3402.1
22.5°	3315.5	3373.2	3472.2	3612.4	3612.4	3546.4	3472.2	3266.0	3212.4	3154.7	3129.9
25°	3187.7	3299.0	3426.9	3443.3	3509.3	3447.5	3327.9	3224.8	3113.4	3035.1	3035.1
27.5°	3121.7	3245.4	3340.3	3369.1	3459.8	3410.4	3286.6	3154.7	3022.7	3018.6	2948.5
30°	3092.8	3208.3	3270.1	3340.3	3381.5	3303.1	3266.0	3125.8	2993.9	2960.9	2845.4
32.5°	3006.2	3171.2	3286.6	3270.1	3303.1	3270.1	3216.5	3101.1	2952.6	2878.4	2866.0
35°	2907.3	3072.2	3195.9	3282.5	3303.1	3233.0	3200.0	3043.3	2841.3	2804.2	2676.3
37.5°	2853.6	2952.6	3105.2	3245.4	3274.3	3237.2	3125.8	2965.0	2762.9	2721.7	2610.3
40°	2787.7	2915.5	3035.1	3150.6	3237.2	3146.4	3018.6	2861.9	2771.2	2647.5	2614.5
42.5°	2738.2	2882.5	2981.5	3109.3	3208.3	3088.7	2940.2	2833.0	2705.2	2622.7	2527.9
44°	2721.7	2853.6	2919.6	3076.3	3158.8	3068.1	2944.4	2833.0	2684.6	2610.3	2527.9
45°	2664.0	2845.4	2915.5	3055.7	3125.8	3051.6	2894.9	2783.5	2676.3	2585.6	2499.0
47.5°	2606.2	2729.9	2849.5	2960.9	3010.4	2985.6	2853.6	2717.6	2589.7	2536.1	2453.6
50°	2589.7	2713.4	2824.8	2927.9	2985.6	2936.1	2816.5	2684.6	2536.1	2449.5	2379.4
52.5°	2507.3	2659.8	2783.5	2816.5	2890.8	2861.9	2771.2	2626.8	2486.6	2412.4	2354.7
55°	2387.7	2548.5	2717.6	2758.8	2866.0	2820.7	2684.6	2548.5	2428.9	2317.6	2243.3
57.5°	2342.3	2499.0	2664.0	2717.6	2783.5	2709.3	2676.3	2532.0	2342.3	2284.6	2169.1
60°	2226.8	2424.8	2560.9	2684.6	2688.7	2668.1	2610.3	2445.4	2288.7	2181.5	2099.0
62.5°	2136.1	2321.7	2428.9	2544.4	2614.5	2556.7	2499.0	2346.4	2177.4	2057.8	1962.9
65°	2004.2	2173.2	2263.9	2334.1	2412.4	2404.2	2305.2	2193.8	2016.5	1921.7	1831.0
67.5°	1802.1	1950.5	2074.3	2140.2	2189.7	2177.4	2103.1	2024.8	1843.3	1748.5	1682.5
70°	1558.8	1711.4	1789.7	1826.8	1876.3	1901.1	1843.3	1806.2	1645.4	1521.7	1459.8
72.5°	1253.6	1352.6	1468.1	1501.1	1521.7	1538.2	1538.2	1505.2	1340.2	1290.7	1183.5
75°	923.7	1002.1	1088.7	1088.7	1125.8	1129.9	1138.2	1117.5	993.8	927.8	903.1
77.5°	626.8	684.5	754.6	783.5	808.3	804.1	800.0	742.3	676.3	647.4	622.7
80°	408.3	466.0	499.0	536.1	560.8	556.7	565.0	523.7	494.9	445.4	453.6
82.5°	243.3	288.7	321.7	367.0	367.0	379.4	379.4	367.0	338.1	313.4	313.4
85°	115.5	152.6	173.2	202.1	218.6	222.7	197.9	169.1	140.2	127.8	140.2
87.5°	20.6	28.9	41.2	37.1	45.4	41.2	41.2	41.2	41.2	33.0	37.1
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: P533748

CATALOG NUMBER: GALN-SA9B-722-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1	12598.1
2.5°	11196.0	11402.2	11546.6	11785.7	12198.1	12528.0	12866.2	13117.7	13146.6	13220.8
5°	9468.2	9579.5	9946.5	10424.9	10763.0	11319.7	11678.5	12330.1	12573.4	12833.2
7.5°	7393.9	7575.4	8066.1	8387.7	9130.0	9826.9	10548.6	11352.7	11674.4	11711.5
10°	6235.1	6499.1	6833.1	7348.6	7752.7	8528.0	9426.9	10321.8	10680.6	10742.4
12.5°	5476.4	5814.5	6259.9	6631.0	7018.7	7695.0	8556.8	9662.0	10128.0	10408.4
15°	4746.5	5097.0	5587.7	6103.2	6445.5	7253.7	8268.2	9513.5	10119.7	10367.2
17.5°	3995.9	4321.7	4725.8	5282.5	5971.2	6878.4	8222.8	10008.4	10672.3	10961.0
20°	3352.6	3534.1	4004.2	4577.4	5439.3	6494.9	8239.3	10738.3	11711.5	11839.3
22.5°	3101.1	3142.3	3327.9	3855.7	4800.1	6103.2	8532.1	11773.4	12878.5	13299.2
25°	2907.3	2899.0	2948.5	3303.1	4334.1	5950.6	8820.7	12726.0	14173.4	14631.1
27.5°	2800.0	2717.6	2721.7	3055.7	4004.2	5703.2	9191.9	13818.8	15641.5	15843.5
30°	2746.4	2729.9	2680.5	2816.5	3645.4	5332.0	9253.7	14895.1	16507.5	16800.2
32.5°	2713.4	2552.6	2490.8	2540.2	3307.3	4927.9	9484.7	15604.3	17579.6	17451.8
35°	2548.5	2404.2	2362.9	2412.4	3068.1	4701.1	9332.1	16222.9	18383.8	18598.2
37.5°	2486.6	2358.8	2276.3	2235.1	2845.4	4511.4	9253.7	17175.5	19163.2	19678.6
40°	2428.9	2292.8	2193.8	2152.6	2672.2	4259.9	9229.0	17909.5	20062.1	20371.4
42.5°	2362.9	2276.3	2165.0	2090.8	2461.9	4008.3	8944.5	18136.3	20338.4	20672.5
44°	2342.3	2210.3	2094.9	2070.1	2379.4	3880.5	8886.7	18342.5	20577.6	21084.8
45°	2321.7	2198.0	2066.0	2033.0	2350.5	3810.4	8808.4	18392.0	20973.5	21068.3
47.5°	2263.9	2185.6	2057.8	1967.0	2288.7	3657.8	8573.3	18111.6	20569.4	20585.9
50°	2218.6	2127.9	1995.9	1818.6	2206.2	3529.9	8680.5	18008.5	19596.2	19633.3
52.5°	2169.1	2033.0	1958.8	1653.6	2070.1	3422.7	8907.3	18474.5	19707.5	19699.2
55°	2111.4	1962.9	1781.5	1513.4	1843.3	3286.6	9455.8	19394.1	20738.4	20878.6
57.5°	2020.6	1892.8	1633.0	1389.7	1583.5	3026.8	9278.5	17633.2	19080.7	19105.4
60°	1901.1	1781.5	1480.4	1294.9	1299.0	2387.7	8297.0	13740.4	15055.9	15414.7
62.5°	1785.6	1719.6	1352.6	1158.8	1105.2	1901.1	7014.5	11418.7	12923.9	13220.8
65°	1649.5	1488.7	1241.3	1055.7	948.5	1332.0	4969.1	8532.1	10082.6	10482.6
67.5°	1476.3	1303.1	1092.8	927.8	812.4	890.7	2565.0	4849.6	6420.7	6655.8
70°	1290.7	1129.9	919.6	783.5	655.7	614.4	1129.9	2313.4	3509.3	3752.6
72.5°	1059.8	911.4	734.0	618.6	490.7	424.7	379.4	618.6	1245.4	1447.4
75°	767.0	663.9	552.6	441.2	346.4	272.2	222.7	185.6	206.2	222.7
77.5°	565.0	482.5	408.3	313.4	243.3	193.8	152.6	115.5	111.3	107.2
80°	441.2	391.8	325.8	251.5	189.7	144.3	107.2	78.4	70.1	70.1
82.5°	346.4	321.7	268.0	206.2	156.7	115.5	78.4	53.6	45.4	45.4
85°	132.0	132.0	193.8	169.1	119.6	82.5	53.6	28.9	24.7	24.7
87.5°	33.0	33.0	33.0	33.0	28.9	24.7	24.7	12.4	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)