

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: P532110

Luminaire Tested: **GALN-SA7C-722-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532110
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-SA7C-722-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2200K, 1050mA 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: 26809 lumens
Efficiency: N/A
Efficacy: 71.1 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

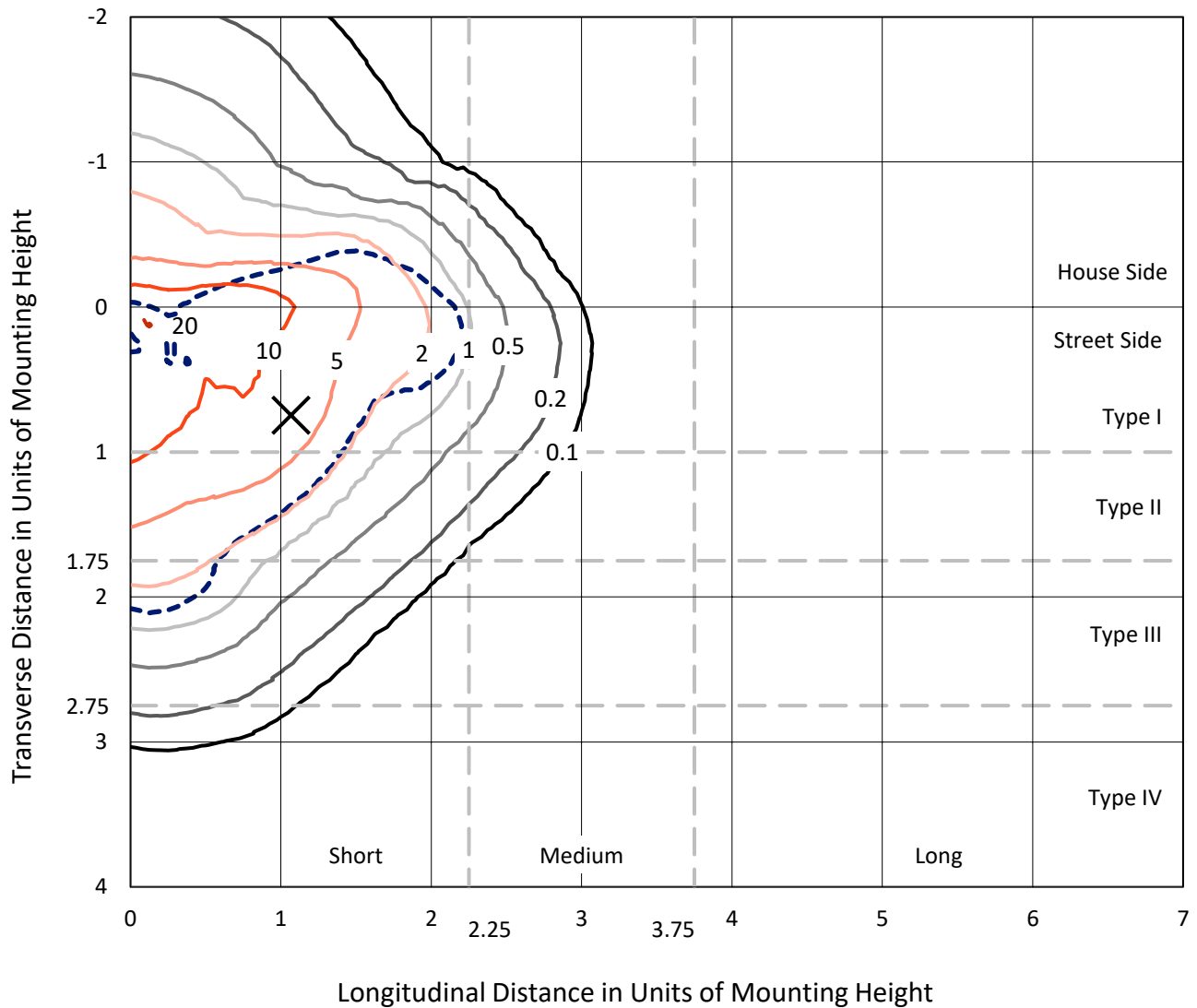
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532110
 CATALOG NUMBER: GALN-SA7C-722-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

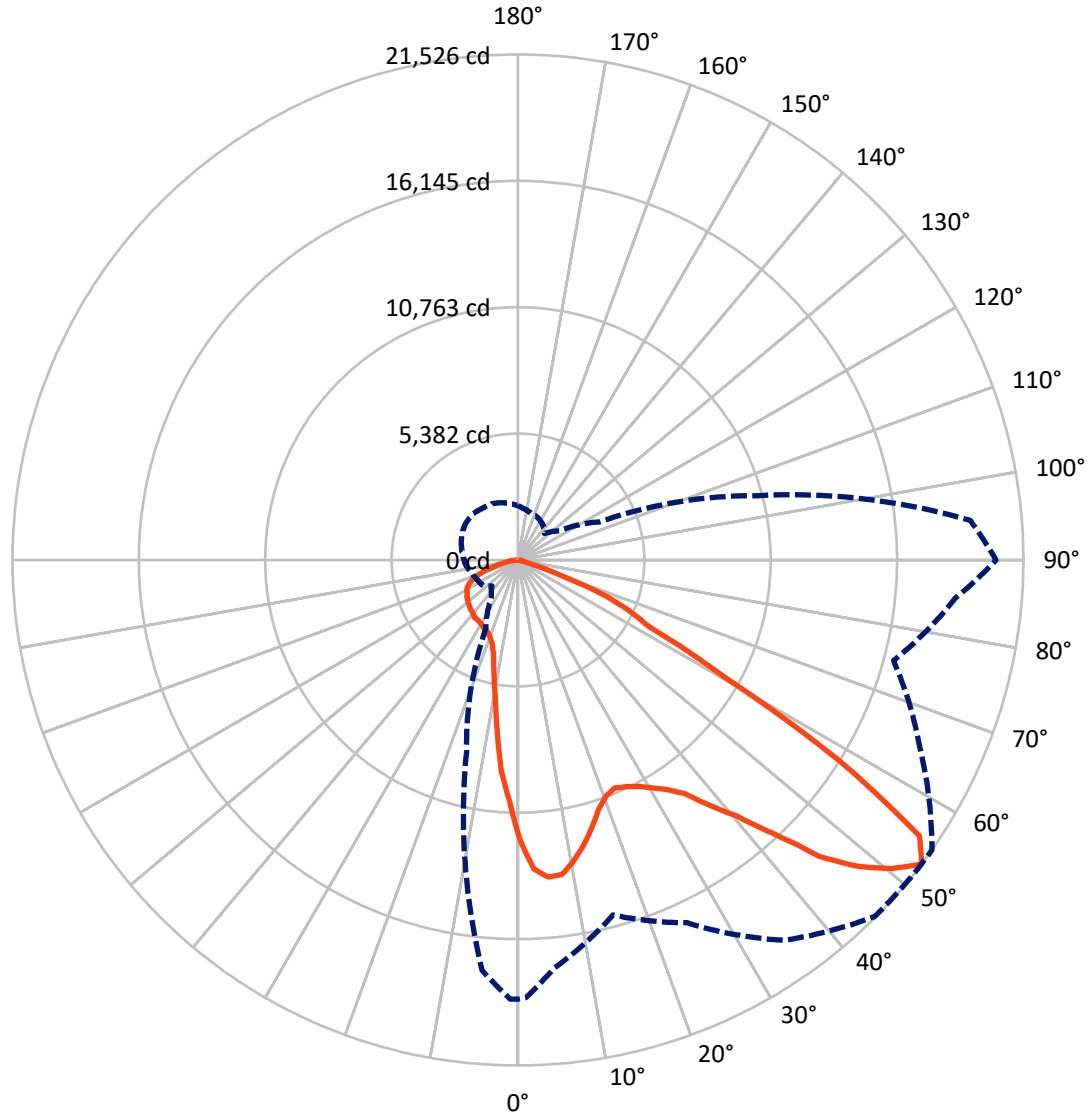
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type II - Short - N/A

REPORT NUMBER: P532110
CATALOG NUMBER: GALN-SA7C-722-U-SLL-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P532110
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8178.2	0.0	8178.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18630.8	0.0	18630.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	26809.0	0.0	26809.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.6	3.4
10°-20°	1969.9	7.3
20°-30°	2987.0	11.1
30°-40°	4315.8	16.1
40°-50°	5767.1	21.5
50°-60°	6437.4	24.0
60°-70°	3531.2	13.2
70°-80°	763.4	2.8
80°-90°	123.5	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°	26809.0	100.0
0°-180°	26809.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532110

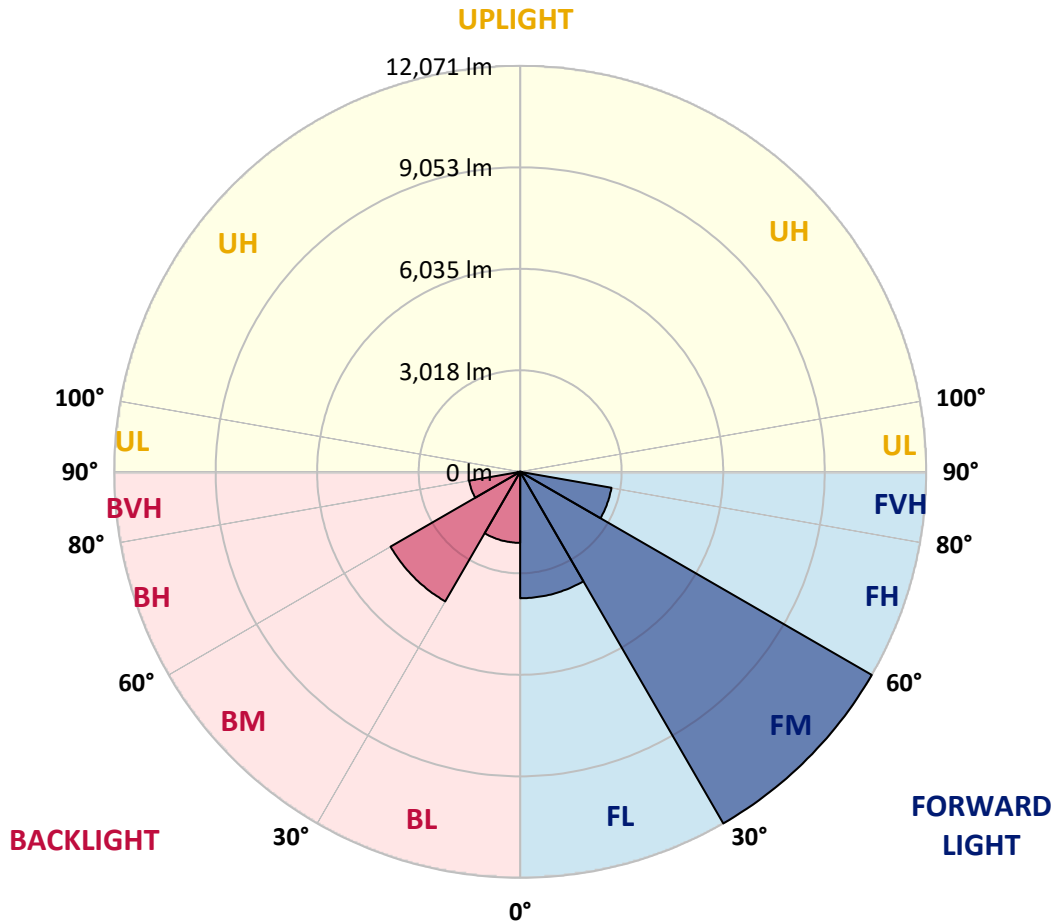
CATALOG NUMBER: GALN-SA7C-722-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3759.1	14.0			
FM (30°-60°)	12070.7	45.0			
FH (60°-80°)	2755.3	10.3			G2/5000
FVH (80°-90°)	45.7	0.2			G1/100
BL (0°-30°)	2111.5	7.9	B3/2500		
BM (30°-60°)	4449.6	16.6	B3/5000		
BH (60°-80°)	1539.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	77.8	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





REPORT NUMBER: P532110

CATALOG NUMBER: GALN-SA7C-722-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9
2.5°	12550.0	12479.5	12542.2	12839.7	13011.9	13129.3	13203.7	13192.0	12910.1	12636.1	12636.1
5°	12182.0	12092.0	12221.2	12894.5	13571.7	13630.4	13728.3	13567.8	13152.8	12651.8	12025.4
7.5°	11117.3	11183.8	11399.1	12283.8	13164.6	13606.9	13724.3	13520.8	12847.5	11911.9	10992.0
10°	10197.3	10353.9	10851.1	11806.2	12616.5	13192.0	13321.1	13035.4	12503.0	11356.1	10534.0
12.5°	9880.3	9782.4	10334.4	11289.5	12064.6	12373.8	12432.5	12452.1	12092.0	11074.2	10072.1
15°	9841.1	9903.8	10334.4	11058.5	11536.1	11551.8	11649.6	11802.3	11849.3	11266.0	10287.4
17.5°	10404.8	10330.4	10772.8	11348.2	11121.2	10894.1	10917.6	11136.8	11524.4	11430.4	10964.6
20°	11238.6	11406.9	11755.3	11696.6	11085.9	10510.5	10514.4	10721.9	11485.2	12111.6	11908.0
22.5°	12624.4	12788.8	13047.1	12338.6	11085.9	10397.0	10263.9	10545.7	11735.8	12921.9	12972.8
25°	13888.8	14190.2	14260.6	13426.8	11641.8	10502.7	10416.6	10694.5	11986.3	13712.6	14194.1
27.5°	15039.6	15149.2	15458.5	14127.5	11951.1	10573.1	10565.3	10921.5	12303.4	14108.0	15286.2
30°	15947.8	15936.0	16112.2	14569.9	12444.3	10968.5	10588.8	11262.1	12718.3	14761.7	16296.2
32.5°	16566.3	16699.4	17071.3	15184.5	12651.8	11344.3	11046.8	11661.4	13223.3	15070.9	17008.6
35°	17654.5	17885.5	17415.7	15525.0	13309.4	11716.2	11367.8	12205.5	13473.8	15407.6	17881.6
37.5°	18680.1	18504.0	18026.4	15709.0	13736.1	12405.1	12080.2	13258.5	14252.8	16139.6	18460.9
40°	19337.8	19333.9	18484.4	15857.8	14037.5	13458.2	13438.6	14327.2	15207.9	16601.5	19110.7
42.5°	19623.5	19897.6	18672.3	15842.1	14671.7	14734.3	15129.7	15924.3	15885.2	16695.5	19095.1
44°	20015.0	20179.4	18997.2	15877.3	15094.4	15595.5	16527.1	17032.1	16476.3	16644.6	19075.5
45°	19999.3	20011.1	18535.3	15924.3	15454.6	16315.8	17149.6	18002.9	16996.9	16535.0	19333.9
47.5°	19541.3	19408.2	18143.8	15575.9	16578.0	18218.2	18989.4	19506.1	17638.9	16300.1	19012.9
50°	18637.1	18484.4	17192.6	15427.2	16812.9	19400.4	20465.2	20653.1	18222.1	16069.1	18695.8
52.5°	18699.7	18656.6	17462.7	15650.3	17047.8	19772.3	21479.0	21526.0	18883.7	16554.5	18699.7
55°	19819.3	19670.5	18237.8	15928.2	16875.5	19337.8	20833.1	20750.9	18660.6	16261.0	19044.2
57.5°	18136.0	18233.9	17165.2	14828.2	14769.5	15720.8	16378.4	16174.8	15572.0	14675.6	17717.2
60°	14632.5	14910.4	15012.2	12401.2	11144.7	10655.3	10459.6	10099.5	10201.3	12056.8	15564.2
62.5°	12550.0	12534.3	13172.4	11242.5	7300.6	6278.9	6185.0	6267.2	7441.5	11868.9	15243.2
65°	9950.7	10216.9	10412.6	9528.0	5777.8	4662.2	4658.3	5178.9	6439.4	9919.4	12307.3
67.5°	6318.1	6666.4	6909.1	6094.9	3863.6	3319.5	3229.5	3855.8	4462.6	6505.9	7410.2
70°	3562.2	3726.6	3836.2	3515.2	2458.3	1722.4	1620.6	1769.4	2697.1	4212.0	4392.1
72.5°	1374.0	1448.4	1597.1	1608.9	927.7	555.9	450.2	540.2	1135.2	1667.6	1589.3
75°	211.4	227.0	321.0	383.6	266.2	203.6	215.3	223.1	317.1	430.6	360.1
77.5°	101.8	101.8	97.9	113.5	133.1	144.8	156.6	172.2	187.9	207.5	199.6
80°	66.5	66.5	66.5	78.3	97.9	117.4	133.1	140.9	148.8	164.4	156.6
82.5°	43.1	43.1	43.1	58.7	78.3	97.9	105.7	125.3	140.9	164.4	152.7
85°	23.5	23.5	23.5	39.1	58.7	82.2	78.3	62.6	35.2	3.9	7.8
87.5°	7.8	7.8	7.8	7.8	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



REPORT NUMBER: P532110

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9
2.5°	12307.3	12127.2	12111.6	11743.6	11414.8	11254.3	11125.1	10765.0	10843.2	10635.8	10631.9
5°	11712.3	11344.3	10749.3	10260.0	9770.7	9672.8	9246.1	8874.2	8886.0	8619.8	8666.8
7.5°	10643.6	10389.2	9665.0	8897.7	8247.9	7786.0	7382.8	7140.1	6830.9	6725.2	6670.4
10°	9966.4	9653.2	8839.0	7876.0	7147.9	6901.3	6513.8	6298.5	5981.4	5824.8	5715.2
12.5°	9668.9	9210.9	8193.1	7214.5	6729.1	6474.6	6145.8	5754.4	5378.6	5233.7	5034.1
15°	9700.2	9152.2	8005.2	6948.3	6365.0	5871.8	5578.2	5143.7	4760.1	4505.6	4360.8
17.5°	10173.9	9508.4	8091.3	6744.7	5907.0	5288.5	4713.1	4243.4	3938.0	3746.2	3699.2
20°	11293.4	10389.2	8236.2	6415.9	5449.0	4677.9	3969.3	3480.0	3245.1	3241.2	3245.1
22.5°	12225.1	11328.6	8529.8	6220.2	4991.0	3895.0	3190.3	3033.8	2986.8	3084.6	3096.4
25°	13481.6	12385.6	9034.7	6118.4	4568.3	3319.5	2885.0	2826.3	2822.4	2947.6	2951.6
27.5°	14769.5	13309.4	9336.2	5820.9	4137.7	3022.0	2701.0	2689.3	2751.9	2885.0	2873.3
30°	15646.4	14084.5	9880.3	5464.7	3628.8	2759.7	2626.6	2642.3	2728.4	2830.2	2845.9
32.5°	16668.1	14847.8	10021.2	5269.0	3315.6	2540.5	2446.6	2481.8	2591.4	2751.9	2838.0
35°	17838.5	15388.0	10236.5	5002.8	3198.2	2372.2	2325.2	2364.4	2497.5	2603.2	2697.1
37.5°	18703.6	16343.2	10275.6	4795.3	3069.0	2278.3	2203.9	2333.1	2411.4	2560.1	2607.1
40°	19345.6	17036.0	10377.4	4666.1	2967.2	2156.9	2156.9	2243.0	2348.7	2485.7	2579.7
42.5°	19756.6	17541.0	10451.8	4548.7	2771.5	2121.7	2102.1	2188.2	2329.1	2462.2	2505.3
44°	20007.2	17756.3	10377.4	4439.1	2716.7	2078.6	2078.6	2153.0	2262.6	2419.2	2470.1
45°	20069.8	18026.4	10213.0	4435.2	2650.1	2027.7	2019.9	2160.8	2235.2	2427.0	2458.3
47.5°	20312.5	18359.1	10232.6	4309.9	2489.6	1906.4	2043.4	2106.0	2172.6	2340.9	2446.6
50°	20304.7	18566.6	10189.5	4125.9	2372.2	1769.4	1996.4	2066.9	2133.4	2305.7	2348.7
52.5°	20359.5	19341.7	10584.9	3832.3	2160.8	1593.2	1839.8	1996.4	2078.6	2223.5	2313.5
55°	20332.1	19784.0	10976.3	3613.1	1863.3	1487.5	1706.7	1890.7	2008.2	2160.8	2203.9
57.5°	18570.5	17486.2	10158.2	3202.1	1542.3	1362.3	1518.8	1781.1	1929.9	2086.4	2141.2
60°	15172.7	13477.7	8377.1	2356.5	1268.3	1252.6	1413.1	1745.9	1808.5	1945.5	2039.5
62.5°	14021.8	11821.9	6643.0	1800.7	1084.3	1147.0	1303.5	1577.6	1675.4	1843.7	1929.9
65°	10972.4	7852.5	4114.2	1217.4	955.1	1029.5	1178.3	1381.8	1542.3	1698.9	1800.7
67.5°	6498.1	4290.3	2035.6	853.4	833.8	912.1	1064.8	1217.4	1401.4	1573.6	1624.5
70°	3538.7	2109.9	869.0	649.8	708.5	779.0	927.7	1033.4	1209.6	1342.7	1428.8
72.5°	1135.2	642.0	434.5	481.5	540.2	622.4	712.4	841.6	966.9	1045.2	1115.6
75°	274.0	270.1	309.2	336.6	391.5	454.1	528.5	595.0	692.9	767.2	829.9
77.5°	191.8	207.5	238.8	277.9	297.5	321.0	368.0	418.9	461.9	516.7	555.9
80°	148.8	160.5	184.0	203.6	223.1	242.7	266.2	285.8	313.2	348.4	368.0
82.5°	140.9	148.8	172.2	184.0	176.2	172.2	187.9	195.7	199.6	211.4	223.1
85°	11.7	0.0	7.8	27.4	66.5	97.9	105.7	105.7	101.8	109.6	109.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	15.7	11.7
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°	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9
2.5°	10584.9	10451.8	10502.7	10565.3	10475.3	10267.8	10322.6	10299.1	10510.5	10494.9	10706.2
5°	8874.2	8666.8	8690.3	8995.6	8897.7	9003.4	8792.0	8764.6	8803.8	8823.3	8858.6
7.5°	6791.7	6764.3	6999.2	7257.5	7378.9	7253.6	7046.2	6999.2	6956.1	6870.0	7065.7
10°	5543.0	5550.8	5535.1	5730.9	5867.9	5840.5	5715.2	5699.6	5617.3	5586.0	5695.6
12.5°	4948.0	4842.3	4791.4	4728.8	4834.4	4904.9	4850.1	4811.0	4814.9	4854.0	4869.7
15°	4372.5	4306.0	4196.4	4125.9	4176.8	4141.6	4122.0	4200.3	4180.7	4172.9	4266.8
17.5°	3726.6	3781.4	3773.6	3695.3	3761.9	3734.5	3730.5	3675.7	3601.4	3546.6	3577.9
20°	3299.9	3401.7	3480.0	3483.9	3519.2	3515.2	3456.5	3288.2	3233.4	3221.7	3229.5
22.5°	3147.3	3202.1	3296.0	3429.1	3429.1	3366.5	3296.0	3100.3	3049.4	2994.6	2971.1
25°	3025.9	3131.6	3253.0	3268.6	3331.3	3272.5	3159.0	3061.2	2955.5	2881.1	2881.1
27.5°	2963.3	3080.7	3170.8	3198.2	3284.3	3237.3	3119.9	2994.6	2869.4	2865.4	2798.9
30°	2935.9	3045.5	3104.2	3170.8	3209.9	3135.5	3100.3	2967.2	2841.9	2810.6	2701.0
32.5°	2853.7	3010.3	3119.9	3104.2	3135.5	3104.2	3053.3	2943.7	2802.8	2732.3	2720.6
35°	2759.7	2916.3	3033.8	3116.0	3135.5	3069.0	3037.7	2888.9	2697.1	2661.9	2540.5
37.5°	2708.9	2802.8	2947.6	3080.7	3108.1	3072.9	2967.2	2814.5	2622.7	2583.6	2477.9
40°	2646.2	2767.6	2881.1	2990.7	3072.9	2986.8	2865.4	2716.7	2630.6	2513.1	2481.8
42.5°	2599.2	2736.3	2830.2	2951.6	3045.5	2932.0	2791.1	2689.3	2567.9	2489.6	2399.6
44°	2583.6	2708.9	2771.5	2920.2	2998.5	2912.4	2795.0	2689.3	2548.4	2477.9	2399.6
45°	2528.8	2701.0	2767.6	2900.7	2967.2	2896.8	2748.0	2642.3	2540.5	2454.4	2372.2
47.5°	2474.0	2591.4	2704.9	2810.6	2857.6	2834.1	2708.9	2579.7	2458.3	2407.4	2329.1
50°	2458.3	2575.8	2681.5	2779.3	2834.1	2787.1	2673.6	2548.4	2407.4	2325.2	2258.7
52.5°	2380.0	2524.9	2642.3	2673.6	2744.1	2716.7	2630.6	2493.6	2360.5	2290.0	2235.2
55°	2266.5	2419.2	2579.7	2618.8	2720.6	2677.5	2548.4	2419.2	2305.7	2200.0	2129.5
57.5°	2223.5	2372.2	2528.8	2579.7	2642.3	2571.8	2540.5	2403.5	2223.5	2168.6	2059.0
60°	2113.8	2301.7	2430.9	2548.4	2552.3	2532.7	2477.9	2321.3	2172.6	2070.8	1992.5
62.5°	2027.7	2203.9	2305.7	2415.3	2481.8	2427.0	2372.2	2227.4	2066.9	1953.4	1863.3
65°	1902.5	2063.0	2149.1	2215.6	2290.0	2282.2	2188.2	2082.5	1914.2	1824.2	1738.1
67.5°	1710.6	1851.6	1969.0	2031.6	2078.6	2066.9	1996.4	1922.0	1749.8	1659.8	1597.1
70°	1479.7	1624.5	1698.9	1734.1	1781.1	1804.6	1749.8	1714.6	1561.9	1444.5	1385.7
72.5°	1190.0	1284.0	1393.6	1424.9	1444.5	1460.1	1460.1	1428.8	1272.2	1225.2	1123.5
75°	876.9	951.2	1033.4	1033.4	1068.7	1072.6	1080.4	1060.8	943.4	880.8	857.3
77.5°	595.0	649.8	716.4	743.8	767.2	763.3	759.4	704.6	642.0	614.6	591.1
80°	387.5	442.3	473.7	508.9	532.4	528.5	536.3	497.1	469.7	422.8	430.6
82.5°	231.0	274.0	305.3	348.4	348.4	360.1	360.1	348.4	321.0	297.5	297.5
85°	109.6	144.8	164.4	191.8	207.5	211.4	187.9	160.5	133.1	121.4	133.1
87.5°	19.6	27.4	39.1	35.2	43.1	39.1	39.1	39.1	39.1	31.3	35.2
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: P532110

CATALOG NUMBER: GALN-SA7C-722-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9	11958.9
2.5°	10627.9	10823.7	10960.7	11187.7	11579.2	11892.3	12213.3	12452.1	12479.5	12550.0
5°	8987.8	9093.5	9441.8	9895.9	10216.9	10745.4	11085.9	11704.4	11935.4	12182.0
7.5°	7018.8	7191.0	7656.8	7962.2	8666.8	9328.3	10013.4	10776.7	11082.0	11117.3
10°	5918.8	6169.3	6486.4	6975.7	7359.3	8095.2	8948.6	9798.1	10138.6	10197.3
12.5°	5198.5	5519.5	5942.3	6294.6	6662.5	7304.5	8122.6	9171.7	9614.1	9880.3
15°	4505.6	4838.4	5304.2	5793.5	6118.4	6885.7	7848.6	9030.8	9606.3	9841.1
17.5°	3793.2	4102.4	4486.1	5014.5	5668.2	6529.4	7805.6	9500.6	10130.8	10404.8
20°	3182.5	3354.8	3801.0	4345.1	5163.3	6165.4	7821.2	10193.4	11117.3	11238.6
22.5°	2943.7	2982.9	3159.0	3660.1	4556.5	5793.5	8099.2	11176.0	12225.1	12624.4
25°	2759.7	2751.9	2798.9	3135.5	4114.2	5648.7	8373.2	12080.2	13454.2	13888.8
27.5°	2658.0	2579.7	2583.6	2900.7	3801.0	5413.8	8725.5	13117.6	14847.8	15039.6
30°	2607.1	2591.4	2544.4	2673.6	3460.4	5061.5	8784.2	14139.3	15669.9	15947.8
32.5°	2575.8	2423.1	2364.4	2411.4	3139.5	4677.9	9003.4	14812.6	16687.6	16566.3
35°	2419.2	2282.2	2243.0	2290.0	2912.4	4462.6	8858.6	15399.8	17451.0	17654.5
37.5°	2360.5	2239.1	2160.8	2121.7	2701.0	4282.5	8784.2	16304.0	18190.8	18680.1
40°	2305.7	2176.5	2082.5	2043.4	2536.6	4043.7	8760.7	17000.8	19044.2	19337.8
42.5°	2243.0	2160.8	2055.1	1984.7	2337.0	3804.9	8490.6	17216.1	19306.5	19623.5
44°	2223.5	2098.2	1988.6	1965.1	2258.7	3683.6	8435.8	17411.8	19533.5	20015.0
45°	2203.9	2086.4	1961.2	1929.9	2231.3	3617.0	8361.4	17458.8	19909.3	19999.3
47.5°	2149.1	2074.7	1953.4	1867.2	2172.6	3472.2	8138.3	17192.6	19525.7	19541.3
50°	2106.0	2019.9	1894.6	1726.3	2094.3	3350.8	8240.1	17094.8	18601.8	18637.1
52.5°	2059.0	1929.9	1859.4	1569.7	1965.1	3249.1	8455.4	17537.1	18707.5	18699.7
55°	2004.2	1863.3	1691.1	1436.6	1749.8	3119.9	8976.0	18410.0	19686.2	19819.3
57.5°	1918.1	1796.8	1550.2	1319.2	1503.2	2873.3	8807.7	16738.5	18112.5	18136.0
60°	1804.6	1691.1	1405.3	1229.2	1233.1	2266.5	7876.0	13043.2	14291.9	14632.5
62.5°	1695.0	1632.4	1284.0	1100.0	1049.1	1804.6	6658.6	10839.3	12268.1	12550.0
65°	1565.8	1413.1	1178.3	1002.1	900.3	1264.4	4717.0	8099.2	9571.0	9950.7
67.5°	1401.4	1237.0	1037.4	880.8	771.2	845.5	2434.8	4603.5	6094.9	6318.1
70°	1225.2	1072.6	872.9	743.8	622.4	583.3	1072.6	2196.1	3331.3	3562.2
72.5°	1006.0	865.1	696.8	587.2	465.8	403.2	360.1	587.2	1182.2	1374.0
75°	728.1	630.2	524.5	418.9	328.8	258.4	211.4	176.2	195.7	211.4
77.5°	536.3	458.0	387.5	297.5	231.0	184.0	144.8	109.6	105.7	101.8
80°	418.9	371.9	309.2	238.8	180.1	137.0	101.8	74.4	66.5	66.5
82.5°	328.8	305.3	254.4	195.7	148.8	109.6	74.4	50.9	43.1	43.1
85°	125.3	125.3	184.0	160.5	113.5	78.3	50.9	27.4	23.5	23.5
87.5°	31.3	31.3	31.3	31.3	27.4	23.5	23.5	11.7	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)