

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: P532604

Luminaire Tested: **GALN-SA8A-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532604  
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-SA8A-727-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 615mA 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: 23001 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

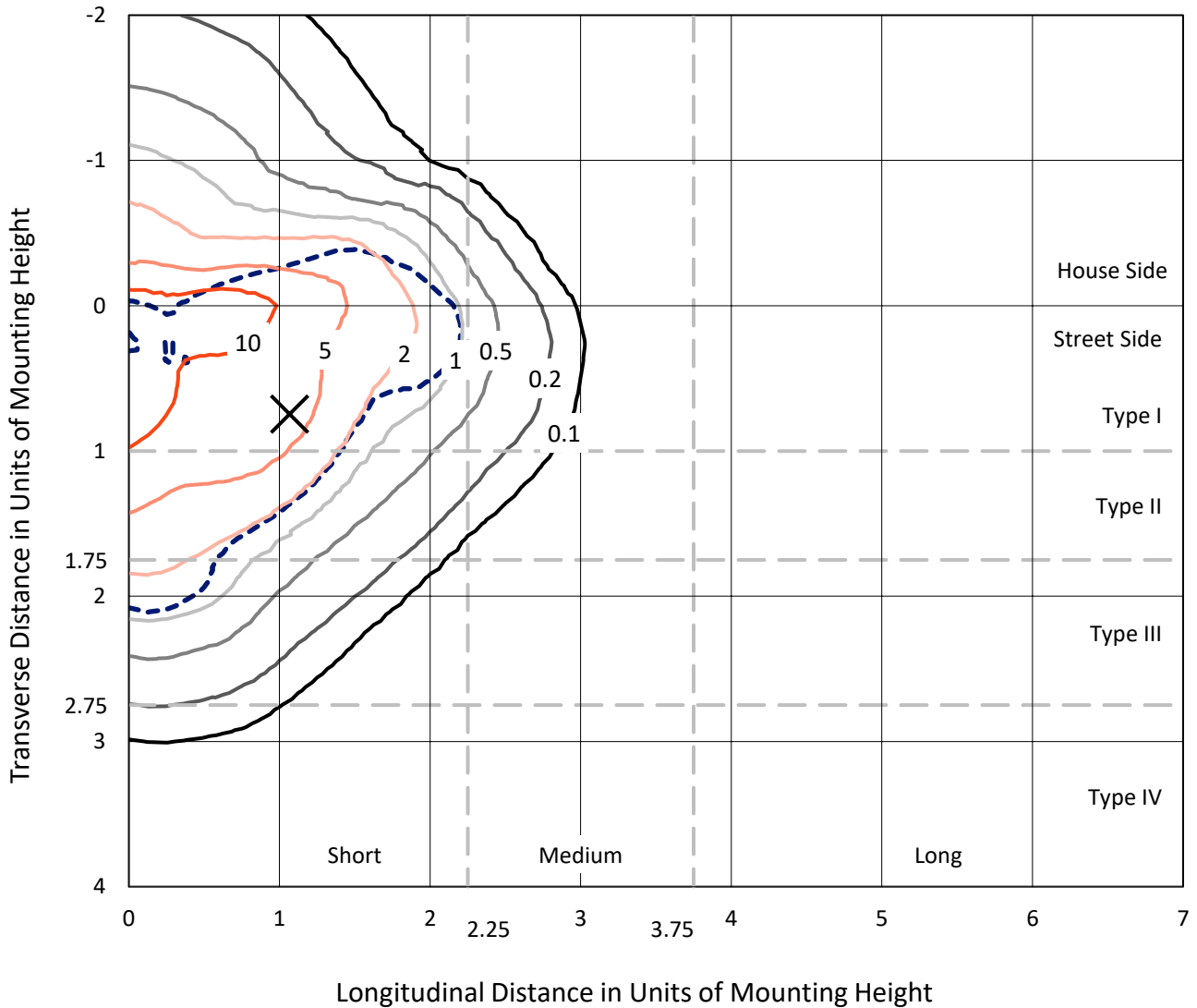
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

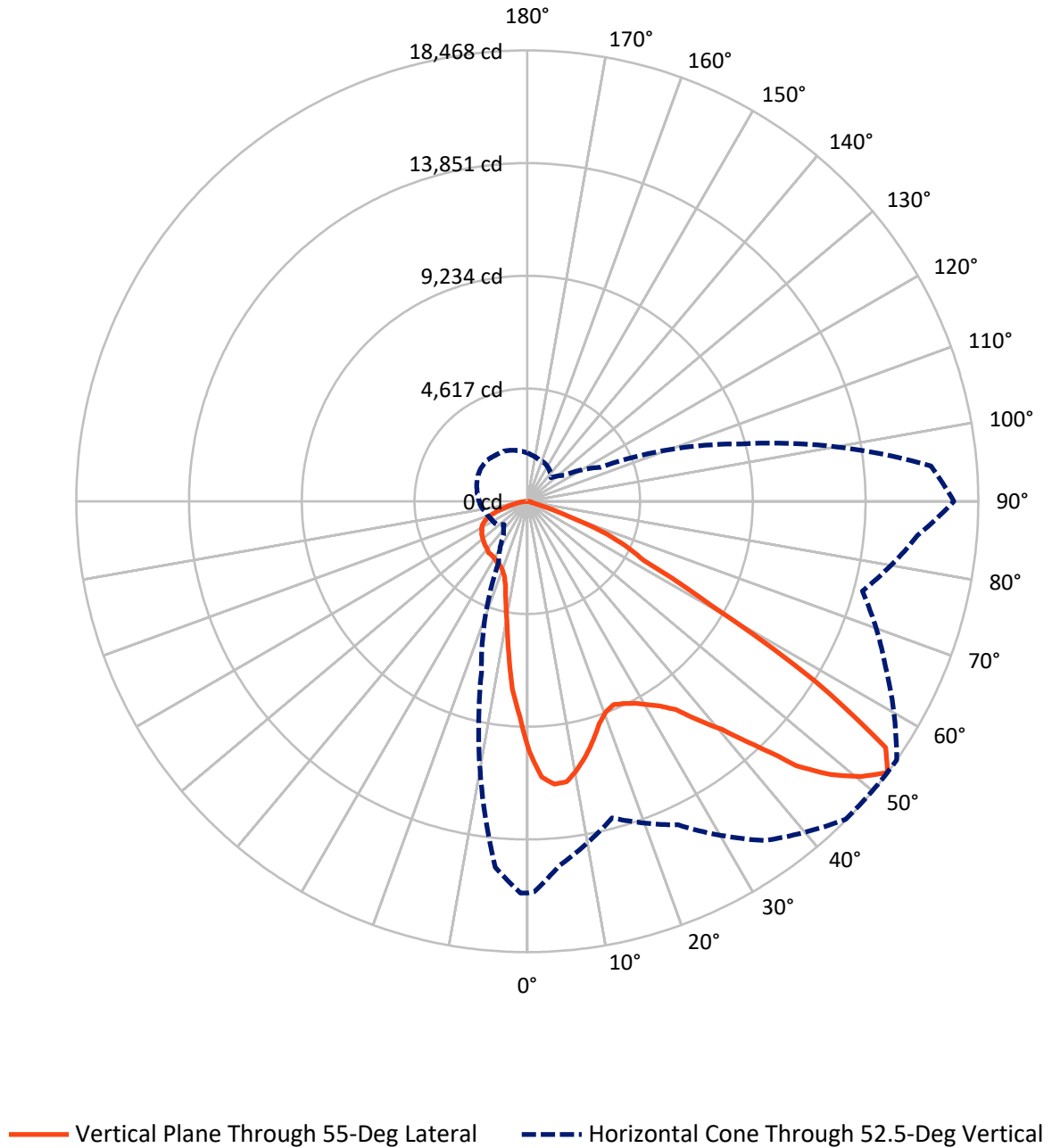
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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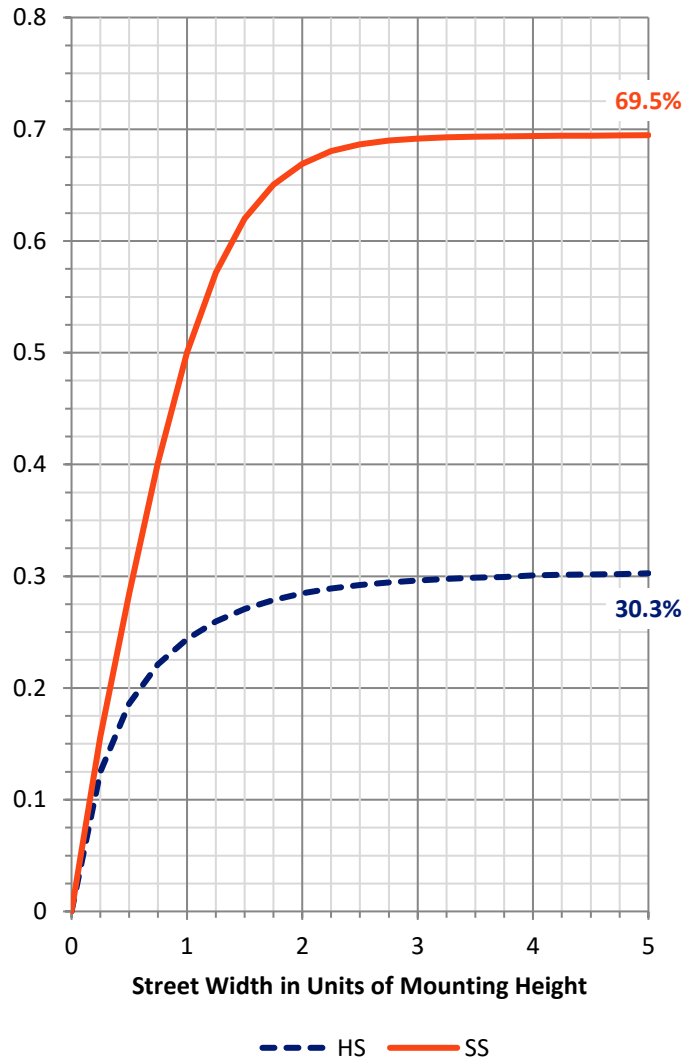
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7016.6	0.0	7016.6
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	15984.4	0.0	15984.4
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	23001.0	0.0	23001.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	783.9	3.4
10°-20°	1690.1	7.3
20°-30°	2562.8	11.1
30°-40°	3702.8	16.1
40°-50°	4947.9	21.5
50°-60°	5523.0	24.0
60°-70°	3029.6	13.2
70°-80°	655.0	2.8
80°-90°	106.0	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°	23001.0	100.0
0°-180°	23001.0	100.0

**Coefficient of Utilization**



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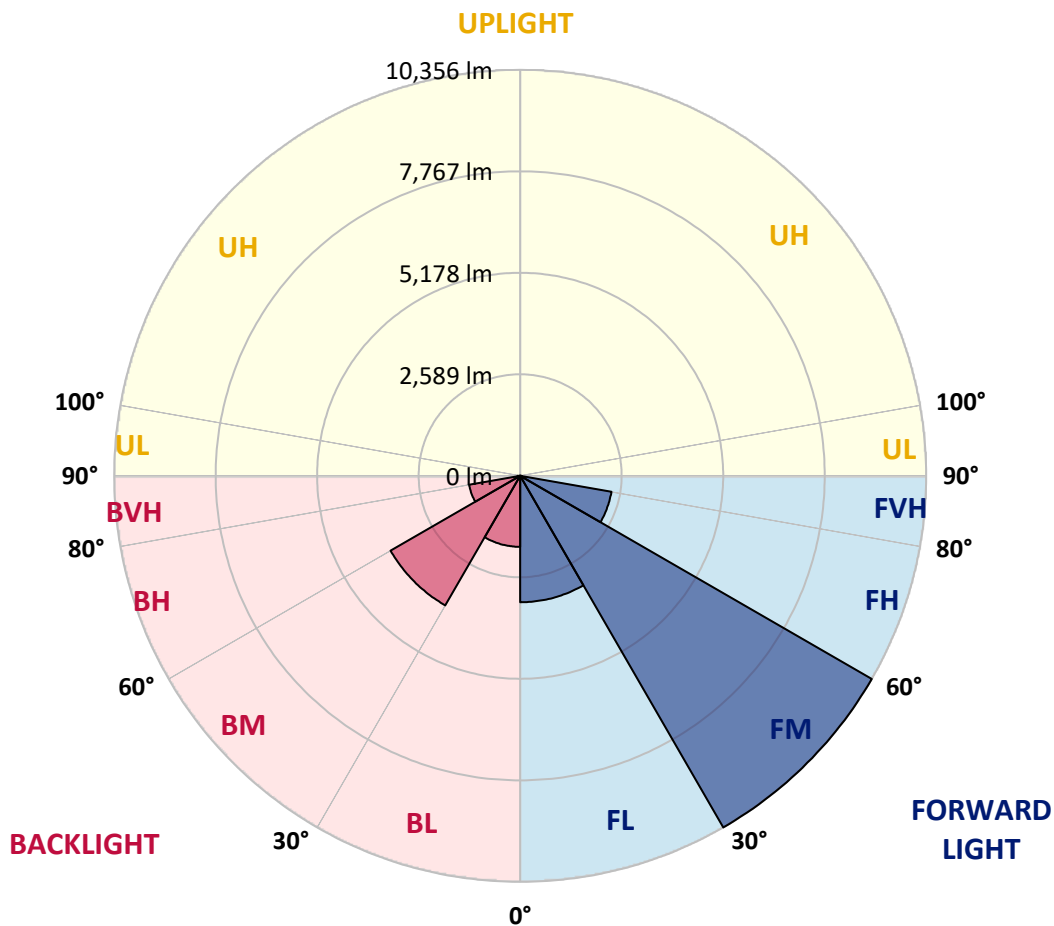
CATALOG NUMBER: GALN-SA8A-727-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3225.2	14.0			
FM (30°-60°)	10356.1	45.0			
FH (60°-80°)	2363.9	10.3			G2/5000
FVH (80°-90°)	39.2	0.2			G1/100
BL (0°-30°)	1811.6	7.9	B3/2500		
BM (30°-60°)	3817.6	16.6	B3/5000		
BH (60°-80°)	1320.7	5.7	B3/2500		G3/2500
BVH (80°-90°)	66.7	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°	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2
2.5°	10767.4	10706.9	10760.6	11015.9	11163.7	11264.4	11328.2	11318.2	11076.3	10841.2	10841.2
5°	10451.7	10374.4	10485.2	11062.9	11643.9	11694.3	11778.3	11640.6	11284.6	10854.7	10317.3
7.5°	9538.1	9595.2	9780.0	10539.0	11294.6	11674.2	11774.9	11600.3	11022.6	10219.9	9430.7
10°	8748.9	8883.2	9309.8	10129.2	10824.5	11318.2	11429.0	11183.8	10727.1	9743.0	9037.7
12.5°	8476.9	8392.9	8866.4	9685.9	10350.9	10616.2	10666.6	10683.4	10374.4	9501.2	8641.4
15°	8443.3	8497.0	8866.4	9487.8	9897.5	9910.9	9994.9	10125.9	10166.2	9665.8	8826.1
17.5°	8926.9	8863.1	9242.6	9736.3	9541.5	9346.7	9366.9	9554.9	9887.4	9806.8	9407.2
20°	9642.3	9786.7	10085.6	10035.2	9511.3	9017.6	9020.9	9198.9	9853.8	10391.2	10216.6
22.5°	10831.2	10972.2	11193.9	10586.0	9511.3	8920.2	8806.0	9047.8	10068.8	11086.4	11130.1
25°	11916.0	12174.6	12235.0	11519.7	9988.2	9010.9	8937.0	9175.4	10283.7	11764.8	12177.9
27.5°	12903.4	12997.4	13262.7	12120.8	10253.5	9071.3	9064.6	9370.2	10555.8	12104.0	13115.0
30°	13682.5	13672.5	13823.6	12500.3	10676.7	9410.5	9084.7	9662.4	10911.8	12664.9	13981.4
32.5°	14213.2	14327.4	14646.4	13027.6	10854.7	9732.9	9477.7	10005.0	11345.0	12930.2	14592.7
35°	15146.8	15345.0	14942.0	13319.8	11418.9	10052.0	9753.1	10471.8	11560.0	13219.1	15341.6
37.5°	16026.8	15875.6	15465.9	13477.7	11785.0	10643.1	10364.3	11375.2	12228.3	13847.1	15838.7
40°	16591.0	16587.6	15858.8	13605.3	12043.6	11546.5	11529.7	12292.1	13047.8	14243.4	16396.2
42.5°	16836.2	17071.3	16020.1	13591.9	12587.7	12641.4	12980.6	13662.4	13628.8	14324.0	16382.8
44°	17172.0	17313.1	16298.8	13622.1	12950.4	13380.3	14179.6	14612.8	14135.9	14280.4	16366.0
45°	17158.6	17168.7	15902.5	13662.4	13259.4	13998.2	14713.6	15445.8	14582.6	14186.3	16587.6
47.5°	16765.6	16651.5	15566.7	13363.5	14223.3	15630.5	16292.1	16735.4	15133.4	13984.8	16312.2
50°	15989.8	15858.8	14750.5	13235.9	14424.8	16644.7	17558.3	17719.5	15633.8	13786.7	16040.2
52.5°	16043.6	16006.6	14982.3	13427.3	14626.3	16963.8	18428.1	18468.4	16201.4	14203.1	16043.6
55°	17004.1	16876.5	15647.3	13665.7	14478.5	16591.0	17874.0	17803.4	16010.0	13951.2	16339.1
57.5°	15559.9	15643.9	14727.0	12722.0	12671.6	13487.7	14052.0	13877.3	13360.1	12591.0	15200.6
60°	12554.1	12792.5	12879.9	10639.7	9561.7	9141.8	8973.9	8664.9	8752.3	10344.2	13353.4
62.5°	10767.4	10753.9	11301.4	9645.6	6263.6	5387.0	5306.4	5377.0	6384.5	10183.0	13078.0
65°	8537.3	8765.7	8933.6	8174.6	4957.1	4000.0	3996.6	4443.3	5524.7	8510.4	10559.1
67.5°	5420.6	5719.5	5927.8	5229.2	3314.8	2848.0	2770.8	3308.1	3828.7	5581.8	6357.6
70°	3056.2	3197.3	3291.3	3015.9	2109.1	1477.7	1390.4	1518.0	2314.0	3613.7	3768.2
72.5°	1178.8	1242.6	1370.3	1380.3	796.0	476.9	386.2	463.5	974.0	1430.7	1363.6
75°	181.4	194.8	275.4	329.1	228.4	174.6	184.7	191.4	272.0	369.4	309.0
77.5°	87.3	87.3	84.0	97.4	114.2	124.3	134.3	147.8	161.2	178.0	171.3
80°	57.1	57.1	57.1	67.2	84.0	100.8	114.2	120.9	127.6	141.1	134.3
82.5°	36.9	36.9	36.9	50.4	67.2	84.0	90.7	107.5	120.9	141.1	131.0
85°	20.2	20.2	20.2	33.6	50.4	70.5	67.2	53.7	30.2	3.4	6.7
87.5°	6.7	6.7	6.7	6.7	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°	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2
2.5°	10559.1	10404.6	10391.2	10075.5	9793.4	9655.7	9544.9	9235.9	9303.1	9125.1	9121.7
5°	10048.6	9732.9	9222.4	8802.6	8382.8	8298.9	7932.8	7613.7	7623.8	7395.4	7435.7
7.5°	9131.8	8913.5	8292.1	7633.9	7076.4	6680.1	6334.1	6125.9	5860.6	5769.9	5722.9
10°	8550.7	8282.1	7583.5	6757.3	6132.6	5921.0	5588.5	5403.8	5131.8	4997.5	4903.4
12.5°	8295.5	7902.6	7029.3	6189.7	5773.3	5555.0	5272.8	4937.0	4614.6	4490.3	4319.0
15°	8322.4	7852.2	6868.1	5961.3	5460.9	5037.8	4785.9	4413.1	4083.9	3865.6	3741.4
17.5°	8728.7	8157.8	6942.0	5786.7	5068.0	4537.3	4043.6	3640.6	3378.7	3214.1	3173.8
20°	9689.3	8913.5	7066.3	5504.6	4675.0	4013.4	3405.5	2985.7	2784.2	2780.8	2784.2
22.5°	10488.6	9719.5	7318.2	5336.7	4282.1	3341.7	2737.2	2602.8	2562.5	2646.5	2656.6
25°	11566.7	10626.3	7751.4	5249.3	3919.4	2848.0	2475.2	2424.8	2421.5	2529.0	2532.3
27.5°	12671.6	11418.9	8010.0	4994.1	3549.9	2592.8	2317.4	2307.3	2361.0	2475.2	2465.1
30°	13423.9	12083.9	8476.9	4688.5	3113.3	2367.7	2253.6	2267.0	2340.9	2428.2	2441.6
32.5°	14300.5	12738.8	8597.8	4520.5	2844.7	2179.7	2099.1	2129.3	2223.3	2361.0	2434.9
35°	15304.7	13202.3	8782.5	4292.2	2743.9	2035.3	1995.0	2028.5	2142.7	2233.4	2314.0
37.5°	16046.9	14021.7	8816.1	4114.2	2633.1	1954.6	1890.8	2001.7	2068.8	2196.5	2236.8
40°	16597.7	14616.2	8903.4	4003.3	2545.7	1850.5	1850.5	1924.4	2015.1	2132.6	2213.3
42.5°	16950.4	15049.4	8967.2	3902.6	2377.8	1820.3	1803.5	1877.4	1998.3	2112.5	2149.4
44°	17165.3	15234.2	8903.4	3808.5	2330.8	1783.4	1783.4	1847.2	1941.2	2075.6	2119.2
45°	17219.0	15465.9	8762.3	3805.2	2273.7	1739.7	1733.0	1853.9	1917.7	2082.3	2109.1
47.5°	17427.3	15751.4	8779.1	3697.7	2136.0	1635.6	1753.1	1806.9	1864.0	2008.4	2099.1
50°	17420.6	15929.4	8742.2	3539.9	2035.3	1518.0	1712.8	1773.3	1830.4	1978.2	2015.1
52.5°	17467.6	16594.4	9081.4	3288.0	1853.9	1366.9	1578.5	1712.8	1783.4	1907.6	1984.9
55°	17444.1	16973.9	9417.2	3099.9	1598.6	1276.2	1464.3	1622.2	1722.9	1853.9	1890.8
57.5°	15932.7	15002.4	8715.3	2747.3	1323.2	1168.8	1303.1	1528.1	1655.7	1790.1	1837.1
60°	13017.6	11563.3	7187.2	2021.8	1088.2	1074.7	1212.4	1497.9	1551.6	1669.2	1749.8
62.5°	12030.2	10142.7	5699.4	1544.9	930.3	984.0	1118.4	1353.5	1437.4	1581.9	1655.7
65°	9413.9	6737.2	3529.8	1044.5	819.5	883.3	1010.9	1185.6	1323.2	1457.6	1544.9
67.5°	5575.1	3680.9	1746.4	732.2	715.4	782.5	913.5	1044.5	1202.3	1350.1	1393.8
70°	3036.1	1810.2	745.6	557.5	607.9	668.3	796.0	886.6	1037.8	1152.0	1225.9
72.5°	974.0	550.8	372.8	413.1	463.5	534.0	611.2	722.1	829.6	896.7	957.2
75°	235.1	231.7	265.3	288.8	335.9	389.6	453.4	510.5	594.5	658.3	712.0
77.5°	164.6	178.0	204.9	238.5	255.2	275.4	315.7	359.4	396.3	443.3	476.9
80°	127.6	137.7	157.8	174.6	191.4	208.2	228.4	245.2	268.7	298.9	315.7
82.5°	120.9	127.6	147.8	157.8	151.1	147.8	161.2	167.9	171.3	181.4	191.4
85°	10.1	0.0	6.7	23.5	57.1	84.0	90.7	90.7	87.3	94.0	94.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	13.4	10.1
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°	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2
2.5°	9081.4	8967.2	9010.9	9064.6	8987.4	8809.4	8856.4	8836.2	9017.6	9004.1	9185.5
5°	7613.7	7435.7	7455.9	7717.8	7633.9	7724.6	7543.2	7519.7	7553.3	7570.1	7600.3
7.5°	5827.0	5803.5	6005.0	6226.7	6330.8	6223.3	6045.3	6005.0	5968.1	5894.2	6062.1
10°	4755.6	4762.4	4748.9	4916.8	5034.4	5010.9	4903.4	4890.0	4819.5	4792.6	4886.6
12.5°	4245.1	4154.5	4110.8	4057.1	4147.8	4208.2	4161.2	4127.6	4131.0	4164.5	4178.0
15°	3751.4	3694.4	3600.3	3539.9	3583.5	3553.3	3536.5	3603.7	3586.9	3580.2	3660.8
17.5°	3197.3	3244.3	3237.6	3170.4	3227.5	3204.0	3200.7	3153.6	3089.8	3042.8	3069.7
20°	2831.2	2918.5	2985.7	2989.1	3019.3	3015.9	2965.6	2821.1	2774.1	2764.0	2770.8
22.5°	2700.2	2747.3	2827.9	2942.0	2942.0	2888.3	2827.9	2659.9	2616.3	2569.3	2549.1
25°	2596.1	2686.8	2790.9	2804.3	2858.1	2807.7	2710.3	2626.3	2535.7	2471.9	2471.9
27.5°	2542.4	2643.1	2720.4	2743.9	2817.8	2777.5	2676.7	2569.3	2461.8	2458.4	2401.3
30°	2518.9	2612.9	2663.3	2720.4	2754.0	2690.2	2659.9	2545.7	2438.3	2411.4	2317.4
32.5°	2448.3	2582.7	2676.7	2663.3	2690.2	2663.3	2619.6	2525.6	2404.7	2344.2	2334.2
35°	2367.7	2502.1	2602.8	2673.4	2690.2	2633.1	2606.2	2478.6	2314.0	2283.8	2179.7
37.5°	2324.1	2404.7	2529.0	2643.1	2666.7	2636.4	2545.7	2414.8	2250.2	2216.6	2125.9
40°	2270.3	2374.5	2471.9	2565.9	2636.4	2562.5	2458.4	2330.8	2256.9	2156.2	2129.3
42.5°	2230.0	2347.6	2428.2	2532.3	2612.9	2515.5	2394.6	2307.3	2203.2	2136.0	2058.8
44°	2216.6	2324.1	2377.8	2505.4	2572.6	2498.7	2398.0	2307.3	2186.4	2125.9	2058.8
45°	2169.6	2317.4	2374.5	2488.7	2545.7	2485.3	2357.7	2267.0	2179.7	2105.8	2035.3
47.5°	2122.6	2223.3	2320.7	2411.4	2451.7	2431.6	2324.1	2213.3	2109.1	2065.5	1998.3
50°	2109.1	2209.9	2300.6	2384.5	2431.6	2391.3	2293.9	2186.4	2065.5	1995.0	1937.9
52.5°	2042.0	2166.2	2267.0	2293.9	2354.3	2330.8	2256.9	2139.4	2025.2	1964.7	1917.7
55°	1944.6	2075.6	2213.3	2246.8	2334.2	2297.2	2186.4	2075.6	1978.2	1887.5	1827.0
57.5°	1907.6	2035.3	2169.6	2213.3	2267.0	2206.5	2179.7	2062.1	1907.6	1860.6	1766.6
60°	1813.6	1974.8	2085.6	2186.4	2189.7	2173.0	2125.9	1991.6	1864.0	1776.6	1709.5
62.5°	1739.7	1890.8	1978.2	2072.2	2129.3	2082.3	2035.3	1911.0	1773.3	1675.9	1598.6
65°	1632.2	1769.9	1843.8	1900.9	1964.7	1958.0	1877.4	1786.7	1642.3	1565.1	1491.2
67.5°	1467.7	1588.6	1689.3	1743.1	1783.4	1773.3	1712.8	1649.0	1501.3	1424.0	1370.3
70°	1269.5	1393.8	1457.6	1487.8	1528.1	1548.3	1501.3	1471.0	1340.0	1239.3	1188.9
72.5°	1021.0	1101.6	1195.6	1222.5	1239.3	1252.7	1252.7	1225.9	1091.5	1051.2	963.9
75°	752.3	816.1	886.6	886.6	916.9	920.2	926.9	910.2	809.4	755.7	735.5
77.5°	510.5	557.5	614.6	638.1	658.3	654.9	651.5	604.5	550.8	527.3	507.1
80°	332.5	379.5	406.4	436.6	456.8	453.4	460.1	426.5	403.0	362.7	369.4
82.5°	198.2	235.1	262.0	298.9	298.9	309.0	309.0	298.9	275.4	255.2	255.2
85°	94.0	124.3	141.1	164.6	178.0	181.4	161.2	137.7	114.2	104.1	114.2
87.5°	16.8	23.5	33.6	30.2	36.9	33.6	33.6	33.6	33.6	26.9	30.2
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: P532604

CATALOG NUMBER: GALN-SA8A-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2	10260.2
2.5°	9118.3	9286.3	9403.8	9598.6	9934.5	10203.1	10478.5	10683.4	10706.9	10767.4
5°	7711.1	7801.8	8100.7	8490.3	8765.7	9219.1	9511.3	10041.9	10240.1	10451.7
7.5°	6021.8	6169.6	6569.2	6831.2	7435.7	8003.3	8591.0	9246.0	9507.9	9538.1
10°	5078.1	5293.0	5565.0	5984.9	6314.0	6945.4	7677.5	8406.3	8698.5	8748.9
12.5°	4460.1	4735.5	5098.2	5400.5	5716.2	6267.0	6968.9	7869.0	8248.5	8476.9
15°	3865.6	4151.1	4550.8	4970.6	5249.3	5907.6	6733.8	7748.1	8241.8	8443.3
17.5°	3254.4	3519.7	3848.8	4302.2	4863.1	5602.0	6696.9	8151.1	8691.8	8926.9
20°	2730.5	2878.2	3261.1	3727.9	4429.9	5289.6	6710.3	8745.5	9538.1	9642.3
22.5°	2525.6	2559.2	2710.3	3140.2	3909.3	4970.6	6948.7	9588.5	10488.6	10831.2
25°	2367.7	2361.0	2401.3	2690.2	3529.8	4846.3	7183.8	10364.3	11543.2	11916.0
27.5°	2280.4	2213.3	2216.6	2488.7	3261.1	4644.8	7486.1	11254.3	12738.8	12903.4
30°	2236.8	2223.3	2183.0	2293.9	2968.9	4342.5	7536.5	12130.9	13444.1	13682.5
32.5°	2209.9	2078.9	2028.5	2068.8	2693.5	4013.4	7724.6	12708.6	14317.3	14213.2
35°	2075.6	1958.0	1924.4	1964.7	2498.7	3828.7	7600.3	13212.3	14972.2	15146.8
37.5°	2025.2	1921.1	1853.9	1820.3	2317.4	3674.2	7536.5	13988.2	15607.0	16026.8
40°	1978.2	1867.3	1786.7	1753.1	2176.3	3469.3	7516.3	14586.0	16339.1	16591.0
42.5°	1924.4	1853.9	1763.2	1702.8	2005.0	3264.5	7284.6	14770.7	16564.1	16836.2
44°	1907.6	1800.2	1706.1	1686.0	1937.9	3160.4	7237.6	14938.6	16758.9	17172.0
45°	1890.8	1790.1	1682.6	1655.7	1914.3	3103.3	7173.8	14978.9	17081.3	17158.6
47.5°	1843.8	1780.0	1675.9	1602.0	1864.0	2979.0	6982.3	14750.5	16752.2	16765.6
50°	1806.9	1733.0	1625.5	1481.1	1796.8	2874.9	7069.6	14666.6	15959.6	15989.8
52.5°	1766.6	1655.7	1595.3	1346.8	1686.0	2787.6	7254.4	15046.1	16050.3	16043.6
55°	1719.6	1598.6	1450.9	1232.6	1501.3	2676.7	7701.0	15795.0	16889.9	17004.1
57.5°	1645.7	1541.6	1330.0	1131.8	1289.7	2465.1	7556.6	14361.0	15539.8	15559.9
60°	1548.3	1450.9	1205.7	1054.6	1057.9	1944.6	6757.3	11190.5	12261.9	12554.1
62.5°	1454.2	1400.5	1101.6	943.7	900.1	1548.3	5712.8	9299.7	10525.5	10767.4
65°	1343.4	1212.4	1010.9	859.8	772.5	1084.8	4047.0	6948.7	8211.5	8537.3
67.5°	1202.3	1061.3	890.0	755.7	661.6	725.4	2089.0	3949.6	5229.2	5420.6
70°	1051.2	920.2	748.9	638.1	534.0	500.4	920.2	1884.1	2858.1	3056.2
72.5°	863.1	742.2	597.8	503.8	399.7	345.9	309.0	503.8	1014.3	1178.8
75°	624.7	540.7	450.0	359.4	282.1	221.7	181.4	151.1	167.9	181.4
77.5°	460.1	392.9	332.5	255.2	198.2	157.8	124.3	94.0	90.7	87.3
80°	359.4	319.1	265.3	204.9	154.5	117.5	87.3	63.8	57.1	57.1
82.5°	282.1	262.0	218.3	167.9	127.6	94.0	63.8	43.7	36.9	36.9
85°	107.5	107.5	157.8	137.7	97.4	67.2	43.7	23.5	20.2	20.2
87.5°	26.9	26.9	26.9	26.9	23.5	20.2	20.2	10.1	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)