

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: P533514

Luminaire Tested: **GALN-SA9A-722-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533514  
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-SA9A-722-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2200K, 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: 22698 lumens  
Efficiency: N/A  
Efficacy: 82.8 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

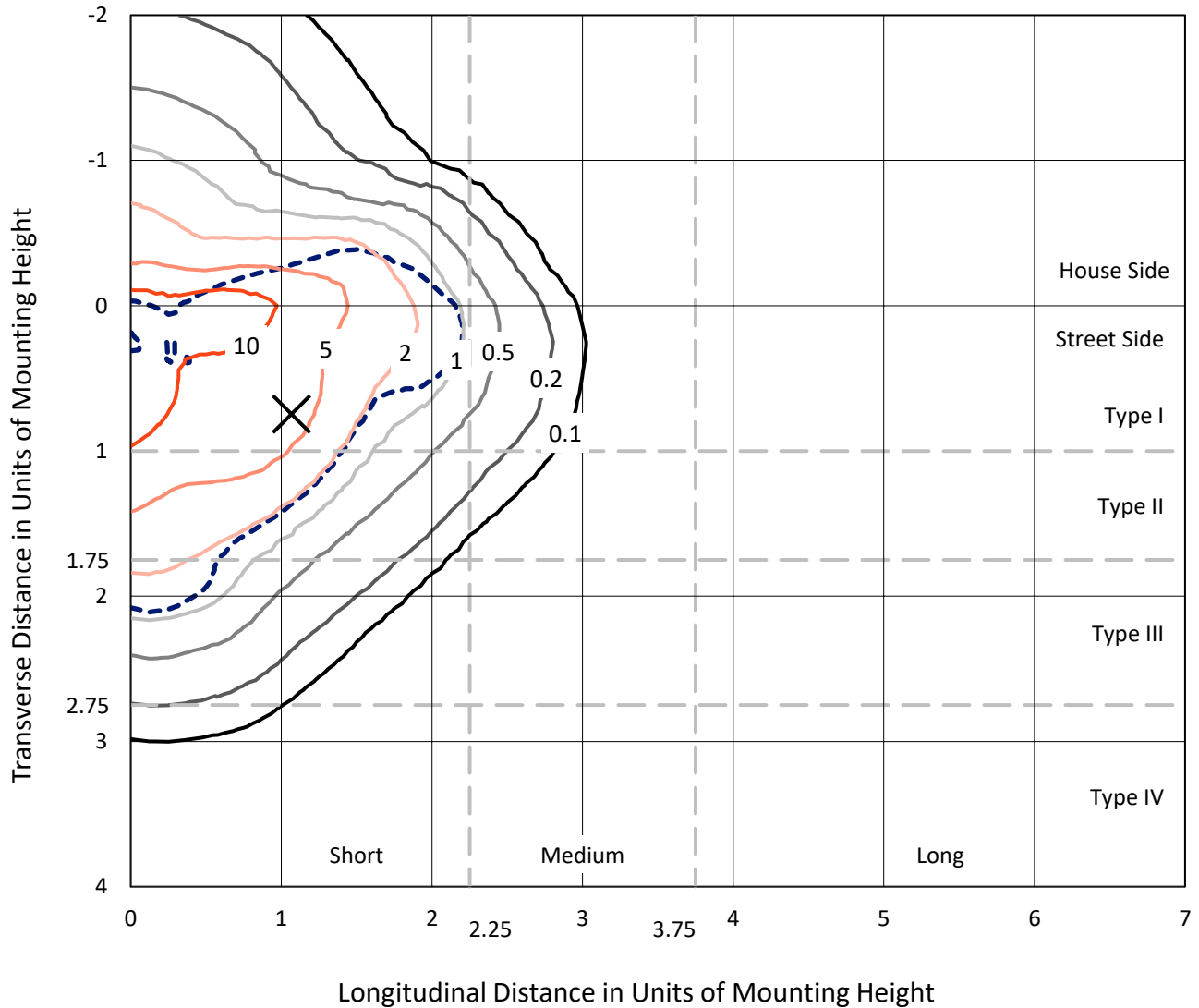
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

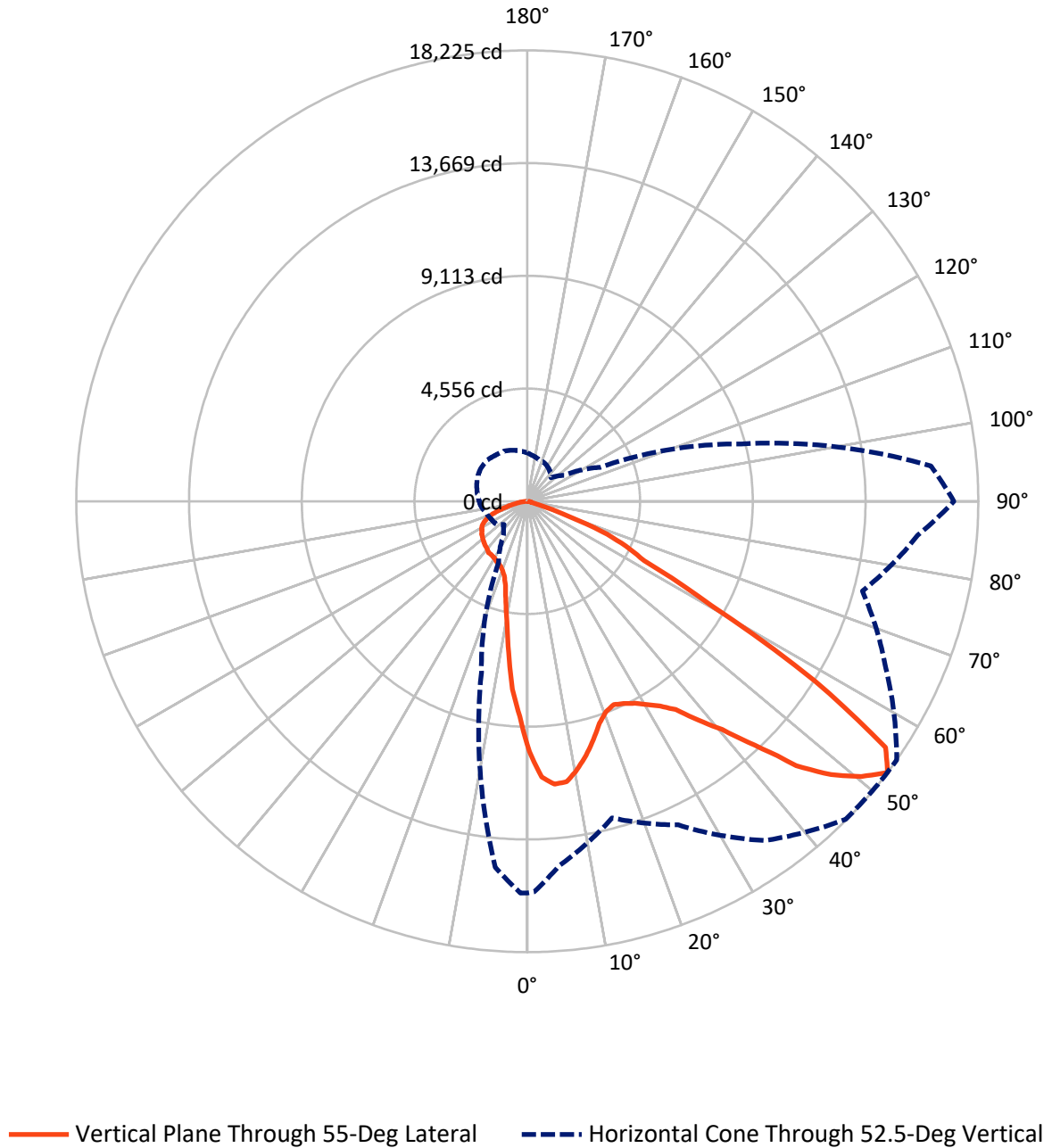
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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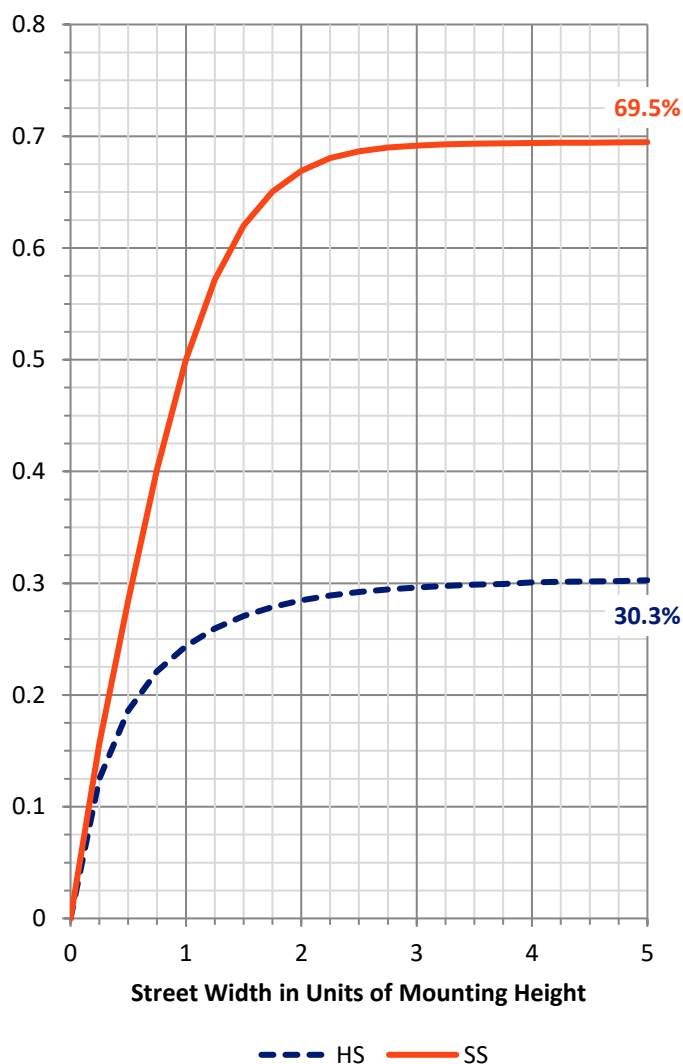
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6924.1	0.0	6924.1
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	15773.9	0.0	15773.9
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	22698.0	0.0	22698.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	773.5	3.4
10°-20°	1667.8	7.3
20°-30°	2529.0	11.1
30°-40°	3654.0	16.1
40°-50°	4882.8	21.5
50°-60°	5450.2	24.0
60°-70°	2989.7	13.2
70°-80°	646.4	2.8
80°-90°	104.6	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°	22698.0	100.0
0°-180°	22698.0	100.0

**Coefficient of Utilization**



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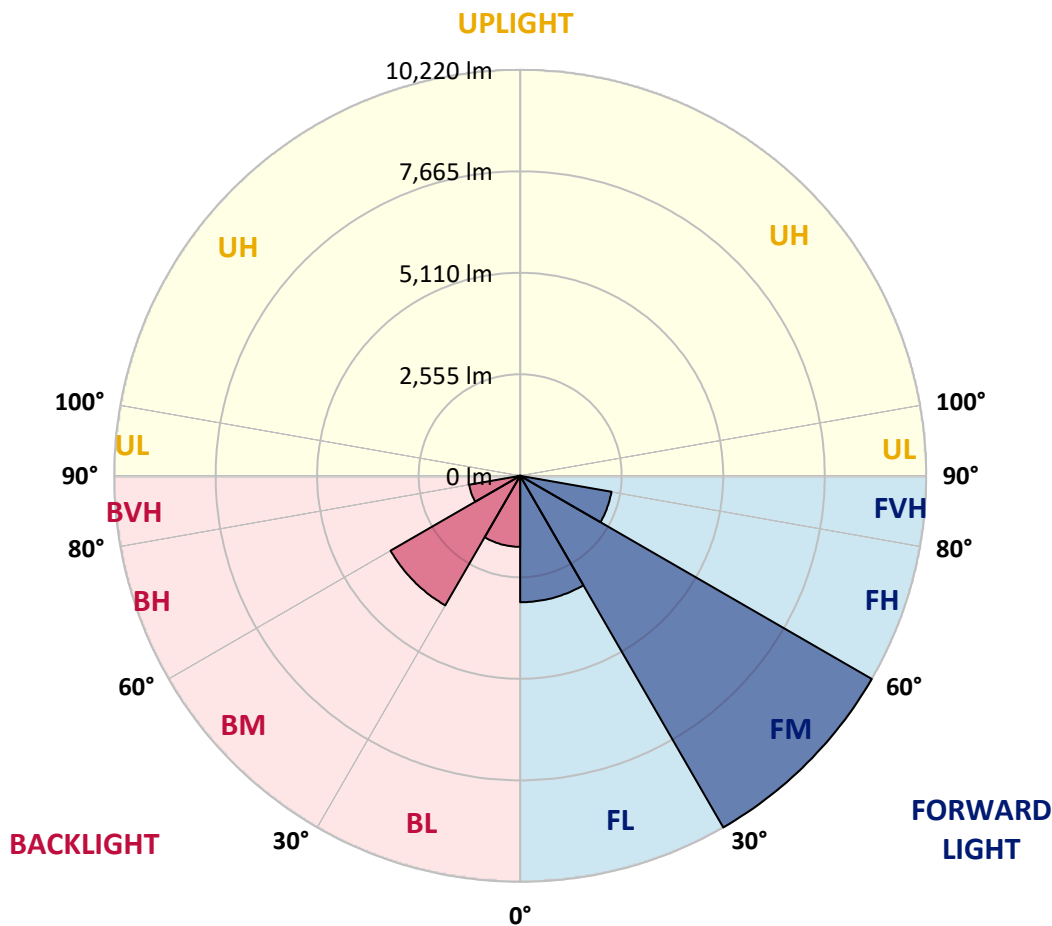
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3182.7	14.0			
FM (30°-60°)	10219.7	45.0			
FH (60°-80°)	2332.8	10.3			G2/5000
FVH (80°-90°)	38.7	0.2			G1/100
BL (0°-30°)	1787.7	7.9	B3/2500		
BM (30°-60°)	3767.3	16.6	B3/5000		
BH (60°-80°)	1303.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	65.9	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°	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1
2.5°	10625.5	10565.9	10618.9	10870.8	11016.6	11116.0	11179.0	11169.1	10930.4	10698.4	10698.4
5°	10314.0	10237.7	10347.1	10917.2	11490.5	11540.3	11623.1	11487.2	11135.9	10711.7	10181.4
7.5°	9412.5	9468.8	9651.1	10400.1	11145.9	11520.4	11619.8	11447.5	10877.4	10085.3	9306.4
10°	8633.6	8766.2	9187.1	9995.8	10681.9	11169.1	11278.4	11036.5	10585.7	9614.7	8918.7
12.5°	8365.2	8282.3	8749.6	9558.3	10214.5	10476.4	10526.1	10542.7	10237.7	9376.0	8527.6
15°	8332.0	8385.1	8749.6	9362.8	9767.1	9780.4	9863.2	9992.5	10032.3	9538.4	8709.9
17.5°	8809.3	8746.3	9120.8	9608.0	9415.8	9223.6	9243.5	9429.1	9757.2	9677.6	9283.2
20°	9515.2	9657.8	9952.7	9903.0	9386.0	8898.8	8902.1	9077.8	9724.0	10254.3	10082.0
22.5°	10688.5	10827.7	11046.4	10446.5	9386.0	8802.7	8690.0	8928.6	9936.2	10940.4	10983.5
25°	11759.0	12014.2	12073.8	11367.9	9856.6	8892.2	8819.2	9054.6	10148.3	11609.9	12017.5
27.5°	12733.4	12826.2	13088.0	11961.2	10118.4	8951.8	8945.2	9246.8	10416.7	11944.6	12942.2
30°	13502.3	13492.4	13641.5	12335.7	10536.0	9286.6	8965.1	9535.1	10768.0	12498.1	13797.3
32.5°	14025.9	14138.6	14453.5	12856.0	10711.7	9604.7	9352.8	9873.2	11195.6	12759.9	14400.5
35°	14947.3	15142.9	14745.1	13144.4	11268.5	9919.6	9624.6	10333.9	11407.7	13044.9	15139.5
37.5°	15815.6	15666.5	15262.2	13300.1	11629.7	10502.9	10227.8	11225.4	12067.2	13664.7	15630.0
40°	16372.4	16369.1	15649.9	13426.1	11884.9	11394.4	11377.9	12130.2	12875.9	14055.8	16180.2
42.5°	16614.4	16846.4	15809.0	13412.8	12421.8	12474.9	12809.6	13482.4	13449.3	14135.3	16167.0
44°	16945.8	17085.0	16084.1	13442.6	12779.8	13204.0	13992.8	14420.3	13949.7	14092.2	16150.4
45°	16932.6	16942.5	15693.0	13482.4	13084.7	13813.8	14519.8	15242.3	14390.5	13999.4	16369.1
47.5°	16544.8	16432.1	15361.6	13187.4	14035.9	15424.6	16077.5	16515.0	14934.1	13800.6	16097.4
50°	15779.2	15649.9	14556.2	13061.5	14234.7	16425.5	17327.0	17486.0	15427.9	13605.0	15828.9
52.5°	15832.2	15795.8	14784.9	13250.4	14433.6	16740.3	18185.3	18225.1	15988.0	14016.0	15832.2
55°	16780.1	16654.2	15441.1	13485.7	14287.8	16372.4	17638.5	17568.9	15799.1	13767.4	16123.9
57.5°	15355.0	15437.8	14533.0	12554.4	12504.7	13310.1	13866.9	13694.5	13184.1	12425.2	15000.3
60°	12388.7	12624.0	12710.2	10499.6	9435.7	9021.4	8855.7	8550.8	8637.0	10207.9	13177.5
62.5°	10625.5	10612.3	11152.5	9518.6	6181.1	5316.1	5236.5	5306.1	6300.4	10048.8	12905.7
65°	8424.8	8650.2	8815.9	8066.9	4891.8	3947.3	3944.0	4384.8	5452.0	8398.3	10420.0
67.5°	5349.2	5644.2	5849.7	5160.3	3271.2	2810.5	2734.3	3264.5	3778.3	5508.3	6273.9
70°	3016.0	3155.2	3248.0	2976.2	2081.4	1458.3	1372.1	1498.0	2283.5	3566.1	3718.6
72.5°	1163.3	1226.3	1352.2	1362.2	785.5	470.6	381.1	457.4	961.1	1411.9	1345.6
75°	179.0	192.2	271.8	324.8	225.4	172.3	182.3	188.9	268.5	364.6	304.9
77.5°	86.2	86.2	82.9	96.1	112.7	122.6	132.6	145.8	159.1	175.7	169.0
80°	56.3	56.3	56.3	66.3	82.9	99.4	112.7	119.3	125.9	139.2	132.6
82.5°	36.5	36.5	36.5	49.7	66.3	82.9	89.5	106.1	119.3	139.2	129.3
85°	19.9	19.9	19.9	33.1	49.7	69.6	66.3	53.0	29.8	3.3	6.6
87.5°	6.6	6.6	6.6	6.6	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°	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1
2.5°	10420.0	10267.6	10254.3	9942.8	9664.4	9528.5	9419.1	9114.2	9180.5	9004.8	9001.5
5°	9916.3	9604.7	9101.0	8686.7	8272.4	8189.5	7828.3	7513.4	7523.4	7298.0	7337.8
7.5°	9011.5	8796.0	8182.9	7533.3	6983.1	6592.1	6250.7	6045.2	5783.4	5693.9	5647.5
10°	8438.1	8173.0	7483.6	6668.3	6051.8	5843.0	5514.9	5332.6	5064.2	4931.6	4838.8
12.5°	8186.2	7798.5	6936.7	6108.2	5697.2	5481.8	5203.4	4872.0	4553.8	4431.2	4262.1
15°	8212.7	7748.7	6777.7	5882.8	5389.0	4971.4	4722.8	4354.9	4030.1	3814.7	3692.1
17.5°	8613.8	8050.3	6850.6	5710.5	5001.2	4477.6	3990.4	3592.7	3334.1	3171.7	3132.0
20°	9561.6	8796.0	6973.2	5432.1	4613.4	3960.5	3360.7	2946.4	2747.5	2744.2	2747.5
22.5°	10350.4	9591.5	7221.8	5266.4	4225.7	3297.7	2701.1	2568.6	2528.8	2611.6	2621.6
25°	11414.3	10486.3	7649.3	5180.2	3867.7	2810.5	2442.6	2392.9	2389.6	2495.6	2499.0
27.5°	12504.7	11268.5	7904.5	4928.3	3503.2	2558.6	2286.8	2276.9	2329.9	2442.6	2432.7
30°	13247.1	11924.7	8365.2	4626.7	3072.3	2336.6	2223.9	2237.1	2310.0	2396.2	2409.5
32.5°	14112.1	12571.0	8484.5	4461.0	2807.2	2151.0	2071.4	2101.2	2194.0	2329.9	2402.8
35°	15103.1	13028.4	8666.8	4235.6	2707.8	2008.4	1968.7	2001.8	2114.5	2204.0	2283.5
37.5°	15835.5	13837.0	8699.9	4060.0	2598.4	1928.9	1865.9	1975.3	2041.6	2167.5	2207.3
40°	16379.1	14423.7	8786.1	3950.6	2512.2	1826.2	1826.2	1899.1	1988.6	2104.6	2184.1
42.5°	16727.1	14851.2	8849.1	3851.2	2346.5	1796.3	1779.8	1852.7	1972.0	2084.7	2121.1
44°	16939.2	15033.5	8786.1	3758.4	2300.1	1759.9	1759.9	1822.8	1915.6	2048.2	2091.3
45°	16992.2	15262.2	8646.9	3755.1	2243.8	1716.8	1710.2	1829.5	1892.4	2054.8	2081.4
47.5°	17197.7	15543.9	8663.5	3649.0	2107.9	1614.0	1730.0	1783.1	1839.4	1981.9	2071.4
50°	17191.1	15719.5	8627.0	3493.2	2008.4	1498.0	1690.3	1749.9	1806.3	1952.1	1988.6
52.5°	17237.5	16375.8	8961.8	3244.7	1829.5	1348.9	1557.7	1690.3	1759.9	1882.5	1958.7
55°	17214.3	16750.3	9293.2	3059.1	1577.6	1259.4	1445.0	1600.8	1700.2	1829.5	1865.9
57.5°	15722.8	14804.8	8600.5	2711.1	1305.8	1153.4	1285.9	1508.0	1633.9	1766.5	1812.9
60°	12846.1	11411.0	7092.5	1995.2	1073.8	1060.6	1196.4	1478.2	1531.2	1647.2	1726.7
62.5°	11871.7	10009.1	5624.3	1524.6	918.0	971.1	1103.6	1335.6	1418.5	1561.0	1633.9
65°	9289.9	6648.4	3483.3	1030.7	808.7	871.7	997.6	1169.9	1305.8	1438.4	1524.6
67.5°	5501.7	3632.4	1723.4	722.5	705.9	772.2	901.5	1030.7	1186.5	1332.3	1375.4
70°	2996.1	1786.4	735.8	550.2	599.9	659.5	785.5	875.0	1024.1	1136.8	1209.7
72.5°	961.1	543.5	367.9	407.7	457.4	527.0	603.2	712.6	818.6	884.9	944.6
75°	232.0	228.7	261.8	285.0	331.4	384.5	447.4	503.8	586.6	649.6	702.6
77.5°	162.4	175.7	202.2	235.3	251.9	271.8	311.5	354.6	391.1	437.5	470.6
80°	125.9	135.9	155.8	172.3	188.9	205.5	225.4	241.9	265.1	295.0	311.5
82.5°	119.3	125.9	145.8	155.8	149.1	145.8	159.1	165.7	169.0	179.0	188.9
85°	9.9	0.0	6.6	23.2	56.3	82.9	89.5	89.5	86.2	92.8	92.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.3	9.9
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1
2.5°	8961.8	8849.1	8892.2	8945.2	8869.0	8693.3	8739.7	8719.8	8898.8	8885.5	9064.5
5°	7513.4	7337.8	7357.7	7616.2	7533.3	7622.8	7443.8	7420.6	7453.8	7470.3	7500.2
7.5°	5750.2	5727.0	5925.9	6144.6	6247.4	6141.3	5965.7	5925.9	5889.4	5816.5	5982.2
10°	4693.0	4699.6	4686.4	4852.1	4968.1	4944.9	4838.8	4825.6	4756.0	4729.4	4822.2
12.5°	4189.2	4099.7	4056.7	4003.6	4093.1	4152.8	4106.4	4073.2	4076.5	4109.7	4122.9
15°	3702.0	3645.7	3552.9	3493.2	3536.3	3506.5	3489.9	3556.2	3539.6	3533.0	3612.5
17.5°	3155.2	3201.6	3194.9	3128.7	3185.0	3161.8	3158.5	3112.1	3049.1	3002.7	3029.2
20°	2793.9	2880.1	2946.4	2949.7	2979.5	2976.2	2926.5	2784.0	2737.6	2727.6	2734.3
22.5°	2664.7	2711.1	2790.6	2903.3	2903.3	2850.3	2790.6	2624.9	2581.8	2535.4	2515.5
25°	2561.9	2651.4	2754.1	2767.4	2820.4	2770.7	2674.6	2591.8	2502.3	2439.3	2439.3
27.5°	2508.9	2608.3	2684.6	2707.8	2780.7	2740.9	2641.5	2535.4	2429.4	2426.0	2369.7
30°	2485.7	2578.5	2628.2	2684.6	2717.7	2654.7	2624.9	2512.2	2406.2	2379.6	2286.8
32.5°	2416.1	2548.7	2641.5	2628.2	2654.7	2628.2	2585.1	2492.3	2373.0	2313.4	2303.4
35°	2336.6	2469.1	2568.6	2638.2	2654.7	2598.4	2571.9	2445.9	2283.5	2253.7	2151.0
37.5°	2293.5	2373.0	2495.6	2608.3	2631.5	2601.7	2512.2	2383.0	2220.6	2187.4	2097.9
40°	2240.4	2343.2	2439.3	2532.1	2601.7	2528.8	2426.0	2300.1	2227.2	2127.8	2101.2
42.5°	2200.7	2316.7	2396.2	2499.0	2578.5	2482.4	2363.1	2276.9	2174.2	2107.9	2031.6
44°	2187.4	2293.5	2346.5	2472.4	2538.7	2465.8	2366.4	2276.9	2157.6	2097.9	2031.6
45°	2141.0	2286.8	2343.2	2455.9	2512.2	2452.6	2326.6	2237.1	2151.0	2078.0	2008.4
47.5°	2094.6	2194.0	2290.2	2379.6	2419.4	2399.5	2293.5	2184.1	2081.4	2038.3	1972.0
50°	2081.4	2180.8	2270.3	2353.1	2399.5	2359.8	2263.6	2157.6	2038.3	1968.7	1912.3
52.5°	2015.1	2137.7	2237.1	2263.6	2323.3	2300.1	2227.2	2111.2	1998.5	1938.8	1892.4
55°	1919.0	2048.2	2184.1	2217.2	2303.4	2267.0	2157.6	2048.2	1952.1	1862.6	1803.0
57.5°	1882.5	2008.4	2141.0	2184.1	2237.1	2177.5	2151.0	2035.0	1882.5	1836.1	1743.3
60°	1789.7	1948.8	2058.2	2157.6	2160.9	2144.3	2097.9	1965.4	1839.4	1753.2	1687.0
62.5°	1716.8	1865.9	1952.1	2044.9	2101.2	2054.8	2008.4	1885.8	1749.9	1653.8	1577.6
65°	1610.7	1746.6	1819.5	1875.9	1938.8	1932.2	1852.7	1763.2	1620.7	1544.4	1471.5
67.5°	1448.3	1567.6	1667.1	1720.1	1759.9	1749.9	1690.3	1627.3	1481.5	1405.2	1352.2
70°	1252.8	1375.4	1438.4	1468.2	1508.0	1527.9	1481.5	1451.6	1322.4	1223.0	1173.2
72.5°	1007.5	1087.1	1179.9	1206.4	1223.0	1236.2	1236.2	1209.7	1077.1	1037.4	951.2
75°	742.4	805.4	875.0	875.0	904.8	908.1	914.7	898.2	798.7	745.7	725.8
77.5°	503.8	550.2	606.5	629.7	649.6	646.3	643.0	596.6	543.5	520.3	500.5
80°	328.1	374.5	401.0	430.9	450.7	447.4	454.1	420.9	397.7	357.9	364.6
82.5°	195.5	232.0	258.5	295.0	295.0	304.9	304.9	295.0	271.8	251.9	251.9
85°	92.8	122.6	139.2	162.4	175.7	179.0	159.1	135.9	112.7	102.7	112.7
87.5°	16.6	23.2	33.1	29.8	36.5	33.1	33.1	33.1	33.1	26.5	29.8
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: P533514

CATALOG NUMBER: GALN-SA9A-722-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1	10125.1
2.5°	8998.2	9163.9	9279.9	9472.2	9803.6	10068.7	10340.5	10542.7	10565.9	10625.5
5°	7609.5	7699.0	7994.0	8378.4	8650.2	9097.6	9386.0	9909.6	10105.2	10314.0
7.5°	5942.5	6088.3	6482.7	6741.2	7337.8	7897.9	8477.9	9124.2	9382.7	9412.5
10°	5011.2	5223.3	5491.7	5906.0	6230.8	6853.9	7576.4	8295.6	8583.9	8633.6
12.5°	4401.3	4673.1	5031.0	5329.3	5640.9	6184.4	6877.1	7765.3	8139.8	8365.2
15°	3814.7	4096.4	4490.8	4905.1	5180.2	5829.8	6645.1	7646.0	8133.2	8332.0
17.5°	3211.5	3473.3	3798.1	4245.6	4799.0	5528.2	6608.6	8043.7	8577.3	8809.3
20°	2694.5	2840.3	3218.1	3678.8	4371.5	5220.0	6621.9	8630.3	9412.5	9515.2
22.5°	2492.3	2525.5	2674.6	3098.8	3857.8	4905.1	6857.2	9462.2	10350.4	10688.5
25°	2336.6	2329.9	2369.7	2654.7	3483.3	4782.5	7089.2	10227.8	11391.1	11759.0
27.5°	2250.4	2184.1	2187.4	2455.9	3218.1	4583.6	7387.5	11106.1	12571.0	12733.4
30°	2207.3	2194.0	2154.3	2263.6	2929.8	4285.3	7437.2	11971.1	13267.0	13502.3
32.5°	2180.8	2051.5	2001.8	2041.6	2658.0	3960.5	7622.8	12541.2	14128.7	14025.9
35°	2048.2	1932.2	1899.1	1938.8	2465.8	3778.3	7500.2	13038.3	14775.0	14947.3
37.5°	1998.5	1895.8	1829.5	1796.3	2286.8	3625.8	7437.2	13803.9	15401.4	15815.6
40°	1952.1	1842.7	1763.2	1730.0	2147.6	3423.6	7417.3	14393.8	16123.9	16372.4
42.5°	1899.1	1829.5	1740.0	1680.3	1978.6	3221.5	7188.6	14576.1	16345.9	16614.4
44°	1882.5	1776.4	1683.6	1663.8	1912.3	3118.7	7142.2	14741.8	16538.2	16945.8
45°	1865.9	1766.5	1660.4	1633.9	1889.1	3062.4	7079.3	14781.6	16856.3	16932.6
47.5°	1819.5	1756.6	1653.8	1580.9	1839.4	2939.7	6890.3	14556.2	16531.5	16544.8
50°	1783.1	1710.2	1604.1	1461.6	1773.1	2837.0	6976.5	14473.4	15749.4	15779.2
52.5°	1743.3	1633.9	1574.3	1329.0	1663.8	2750.8	7158.8	14847.9	15838.8	15832.2
55°	1696.9	1577.6	1431.8	1216.3	1481.5	2641.5	7599.6	15587.0	16667.4	16780.1
57.5°	1624.0	1521.2	1312.4	1116.9	1272.7	2432.7	7457.1	14171.8	15335.1	15355.0
60°	1527.9	1431.8	1189.8	1040.7	1044.0	1919.0	6668.3	11043.1	12100.4	12388.7
62.5°	1435.1	1382.0	1087.1	931.3	888.2	1527.9	5637.6	9177.2	10386.9	10625.5
65°	1325.7	1196.4	997.6	848.5	762.3	1070.5	3993.7	6857.2	8103.4	8424.8
67.5°	1186.5	1047.3	878.3	745.7	652.9	715.9	2061.5	3897.6	5160.3	5349.2
70°	1037.4	908.1	739.1	629.7	527.0	493.8	908.1	1859.3	2820.4	3016.0
72.5°	851.8	732.5	589.9	497.1	394.4	341.4	304.9	497.1	1000.9	1163.3
75°	616.5	533.6	444.1	354.6	278.4	218.7	179.0	149.1	165.7	179.0
77.5°	454.1	387.8	328.1	251.9	195.5	155.8	122.6	92.8	89.5	86.2
80°	354.6	314.9	261.8	202.2	152.5	116.0	86.2	63.0	56.3	56.3
82.5°	278.4	258.5	215.4	165.7	125.9	92.8	63.0	43.1	36.5	36.5
85°	106.1	106.1	155.8	135.9	96.1	66.3	43.1	23.2	19.9	19.9
87.5°	26.5	26.5	26.5	26.5	23.2	19.9	19.9	9.9	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)