

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P387009

Luminaire Tested: GAW-SA2D-727-U-SLR

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P387009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2D-727-U-SLR  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11901 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

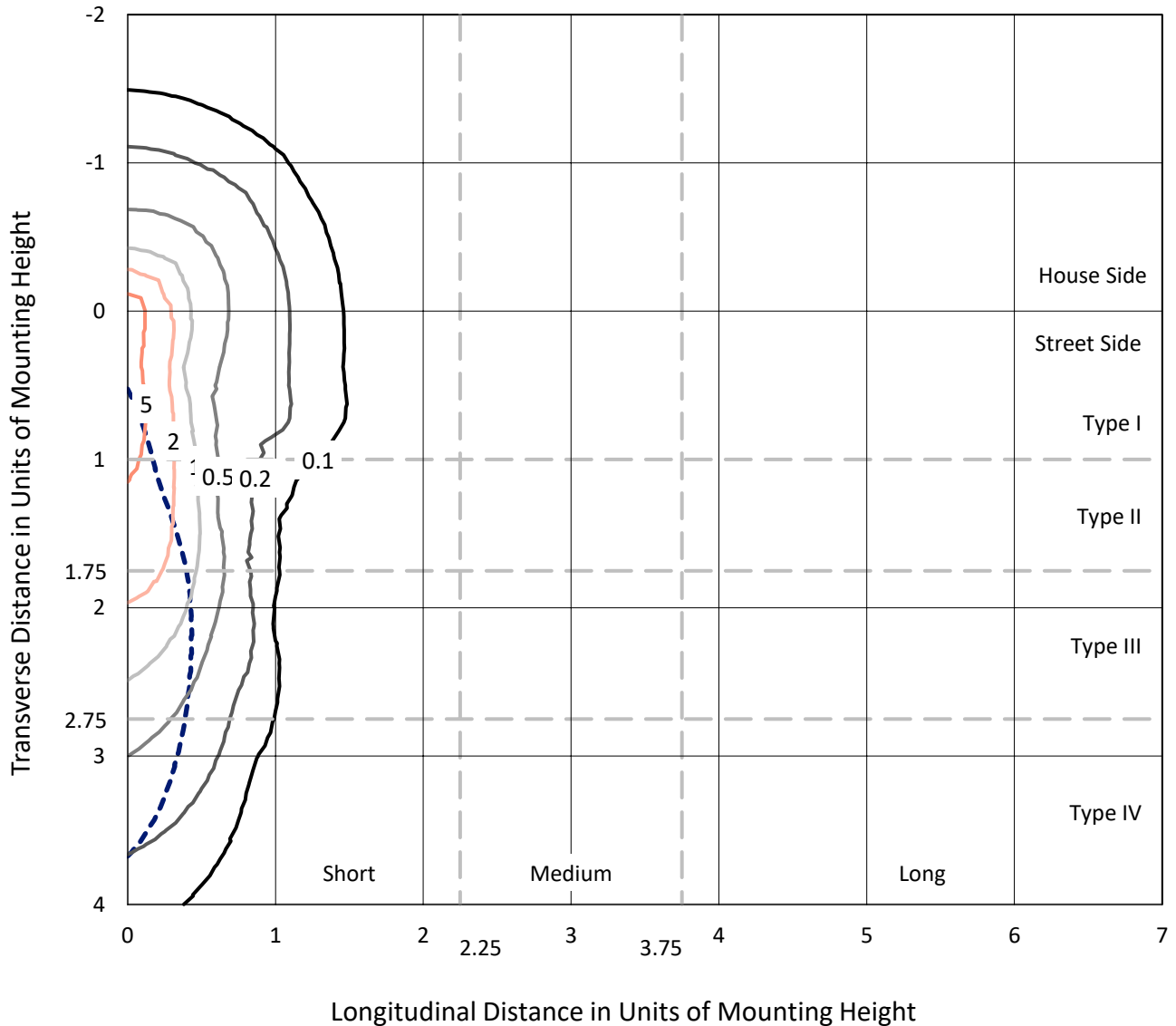
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

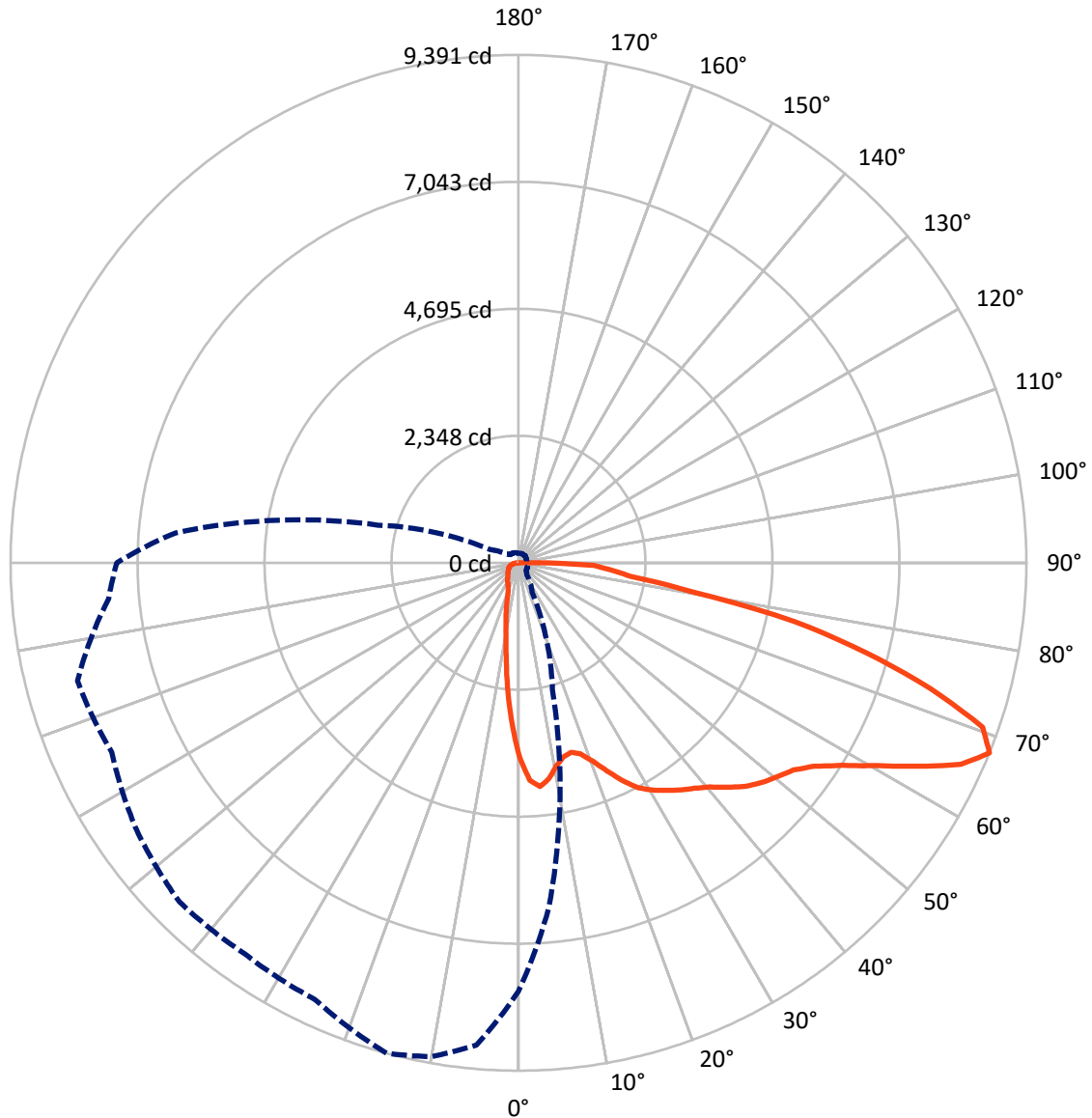
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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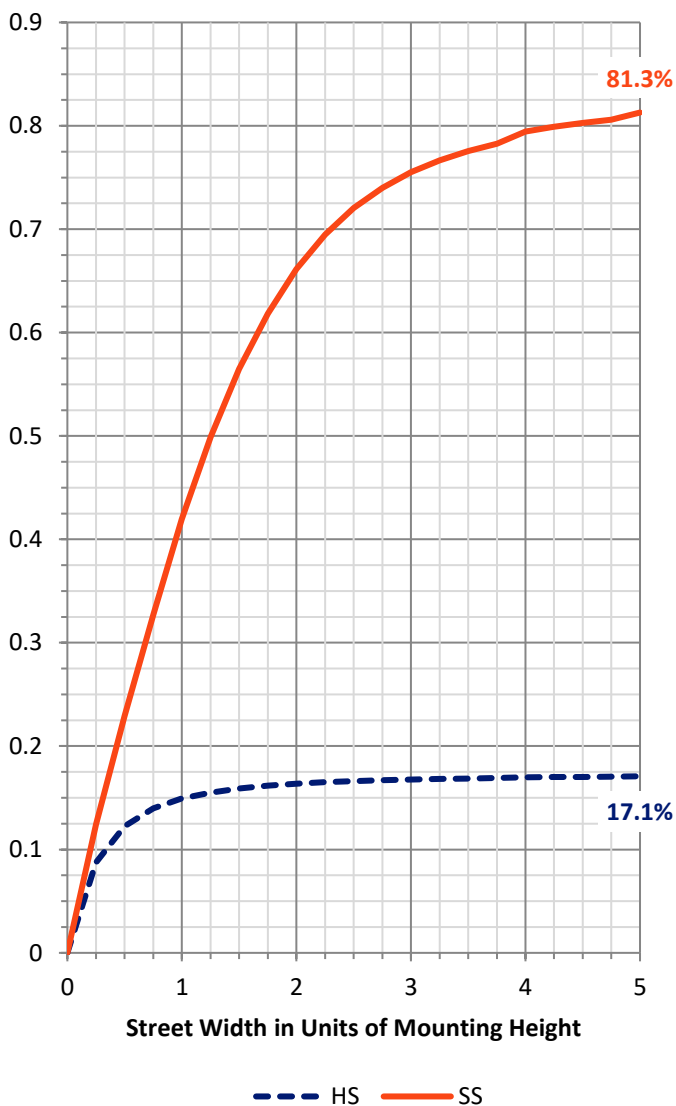
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2057.4	0.0	2057.4
	% Fixture	17.3	0.0	17.3
<b>Street Side</b>	Lumens	9843.6	0.0	9843.6
	% Fixture	82.7	0.0	82.7
<b>Total</b>	Lumens	11901.0	0.0	11901.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.8	2.4
10°-20°	581.3	4.9
20°-30°	826.7	6.9
30°-40°	1191.3	10.0
40°-50°	1678.9	14.1
50°-60°	2334.0	19.6
60°-70°	2822.5	23.7
70°-80°	1734.9	14.6
80°-90°	451.4	3.8
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°	11901.0	100.0
0°-180°	11901.0	100.0

**Coefficient of Utilization**



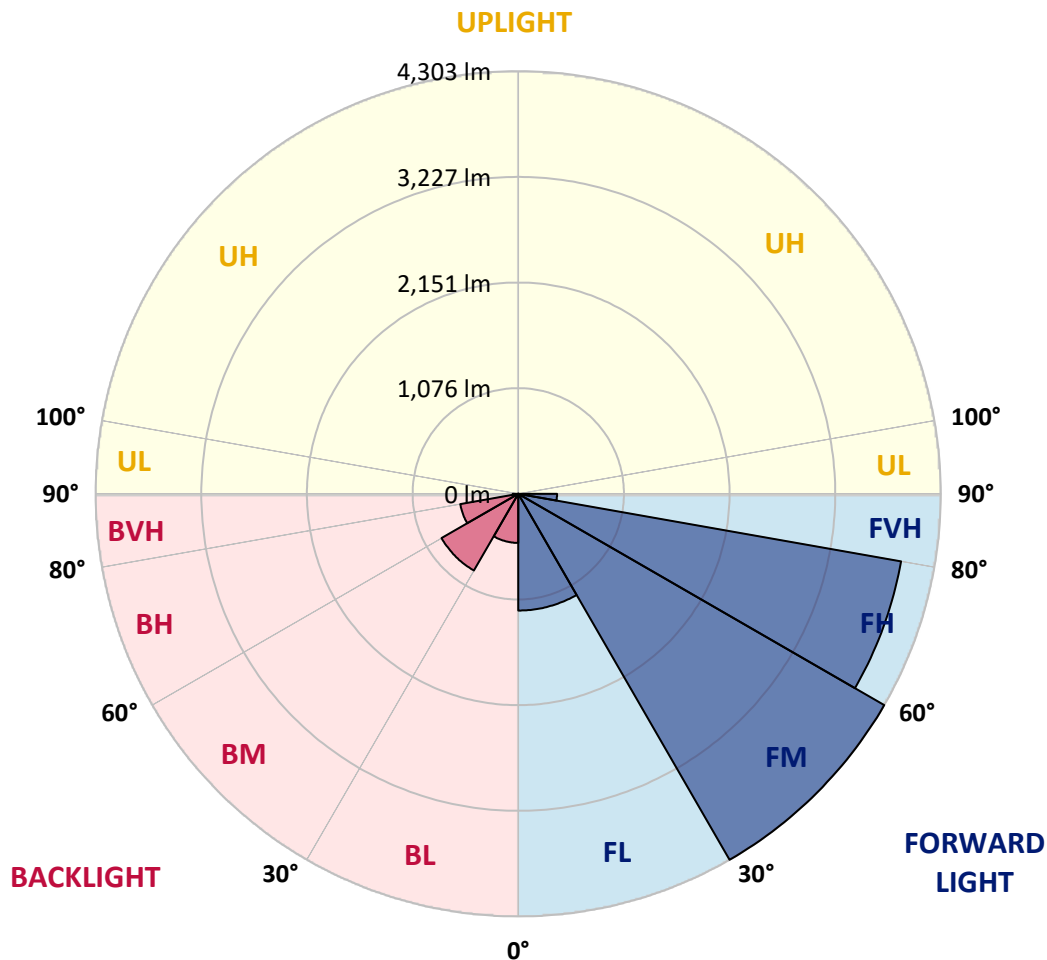
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1188.3	10.0			
FM (30°-60°)	4302.5	36.2			
FH (60°-80°)	3957.9	33.3			G2/5000
FVH (80°-90°)	394.9	3.3			G3/500
BL (0°-30°)	499.5	4.2	B1/500		
BM (30°-60°)	901.7	7.6	B1/1000		
BH (60°-80°)	599.6	5.0	B2/1000		G2/1000
BVH (80°-90°)	56.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3884.1	3849.8	3798.0	3746.1	3707.6	3668.5	3624.3	3580.0	3529.6	3478.7	3448.7
5°	3819.9	3724.7	3601.0	3477.3	3395.4	3313.6	3220.8	3128.0	3036.2	2944.4	2894.9
7.5°	3530.6	3387.8	3227.0	3066.2	2947.2	2827.8	2699.3	2570.4	2456.2	2341.5	2270.6
10°	3246.0	3074.7	2890.1	2705.0	2552.8	2400.5	2271.5	2142.1	2056.0	1969.9	1904.7
12.5°	3041.9	2852.0	2648.9	2445.2	2293.0	2140.7	2058.9	1977.0	1905.6	1834.3	1759.1
15°	2961.0	2746.4	2538.5	2330.1	2191.6	2053.1	1962.3	1870.9	1775.3	1679.2	1586.8
17.5°	3032.4	2781.1	2555.1	2329.1	2147.8	1966.5	1839.5	1712.0	1585.9	1459.8	1352.7
20°	3255.1	2934.4	2638.9	2342.9	2101.7	1860.4	1690.1	1519.3	1357.5	1195.7	1074.4
22.5°	3567.7	3143.2	2757.4	2371.5	2059.8	1747.7	1534.0	1319.9	1128.6	937.4	818.4
25°	3947.4	3420.2	2928.2	2435.7	2042.7	1649.2	1386.5	1123.9	922.1	719.9	635.2
27.5°	4347.5	3750.4	3140.4	2529.9	2045.5	1561.2	1262.3	963.1	781.3	599.5	541.5
30°	4681.1	4127.7	3387.8	2647.4	2056.5	1465.5	1145.3	825.1	675.2	525.3	487.7
32.5°	4986.1	4390.8	3574.3	2757.4	2068.9	1379.9	1054.9	729.4	607.1	484.4	453.5
35°	5301.1	4624.5	3704.7	2784.5	2047.4	1309.9	993.0	676.1	563.4	450.1	424.0
37.5°	5647.9	4877.1	3830.3	2783.1	2011.3	1239.5	945.0	650.0	534.8	419.2	400.2
40°	6034.8	5156.4	3966.4	2776.4	1978.4	1180.0	909.3	638.1	519.1	399.7	383.5
42.5°	6413.1	5422.9	4093.0	2763.1	1951.8	1140.1	874.1	608.1	504.8	401.1	378.3
45°	6697.1	5655.6	4202.9	2749.7	1931.8	1113.9	846.5	579.1	491.5	404.0	374.9
47.5°	6912.7	5889.2	4324.7	2759.7	1929.9	1100.1	827.0	553.9	466.3	378.3	366.4
50°	7186.7	6169.9	4502.2	2834.4	1956.1	1077.7	804.1	530.1	442.0	354.0	370.2
52.5°	7527.9	6570.6	4777.2	2983.4	2010.8	1038.2	768.0	497.7	412.5	326.9	352.1
55°	8028.9	7084.0	5128.8	3173.2	2076.9	980.2	713.2	445.8	373.5	300.7	323.1
57.5°	8478.6	7602.6	5466.2	3329.3	2118.3	906.9	644.3	381.6	329.7	277.9	290.7
60°	8678.9	7870.0	5624.2	3377.8	2093.6	809.4	566.7	323.6	291.2	258.8	256.5
62.5°	8600.9	7700.1	5468.6	3237.0	1972.7	708.5	498.2	287.9	263.6	238.9	233.6
65°	8372.5	7166.3	5032.7	2899.2	1768.6	638.1	454.9	271.7	244.6	217.4	211.7
67.5°	7922.3	6406.4	4415.1	2423.8	1509.3	594.8	430.1	265.5	232.7	199.4	192.7
70°	7114.4	5491.9	3703.8	1915.2	1241.9	568.1	414.0	259.8	219.8	179.4	173.2
72.5°	5843.5	4403.2	2957.7	1511.7	1038.2	564.8	412.1	259.3	209.4	159.4	153.7
75°	4183.9	3344.5	2257.7	1170.5	850.3	530.1	391.1	252.2	195.1	137.5	132.3
77.5°	2815.4	2314.8	1569.2	823.2	630.9	438.7	328.8	218.9	167.0	115.1	109.9
80°	1808.1	1602.1	1051.6	501.0	409.2	317.4	235.1	152.7	121.8	90.4	86.1
82.5°	1326.6	1192.4	730.9	269.3	227.4	185.1	143.7	102.3	83.3	64.2	62.3
85°	843.1	929.7	538.1	146.6	119.9	93.3	77.1	60.9	48.1	35.2	35.2
87.5°	163.7	226.5	148.9	70.9	51.9	32.8	28.1	22.8	12.8	2.4	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3418.3	3385.4	3352.6	3315.5	3277.9	3243.2	3208.0	3169.4	3176.6	3147.1	3117.6
5°	2845.4	2793.0	2740.2	2694.5	2648.9	2609.4	2569.4	2533.7	2564.7	2543.7	2522.8
7.5°	2199.2	2134.5	2069.3	2014.6	1959.9	1917.5	1874.7	1845.2	1875.7	1871.9	1868.1
10°	1839.5	1776.7	1713.4	1653.0	1592.6	1541.2	1489.3	1445.5	1437.9	1416.0	1393.7
12.5°	1683.4	1597.3	1510.7	1447.4	1384.2	1322.8	1261.4	1210.0	1186.7	1150.5	1113.9
15°	1494.5	1392.7	1290.9	1219.0	1146.7	1087.2	1027.3	983.0	968.3	940.2	912.1
17.5°	1245.7	1134.3	1023.0	950.2	876.9	829.3	781.3	751.8	751.8	743.7	735.6
20°	953.1	853.6	754.2	698.5	642.8	617.6	591.9	579.5	583.4	583.8	583.8
22.5°	699.0	638.1	577.2	554.8	532.0	522.9	513.9	508.6	510.6	511.0	511.5
25°	550.5	527.2	503.4	492.0	480.1	474.4	468.7	466.8	471.1	471.5	471.5
27.5°	483.4	469.2	454.4	447.3	439.7	437.3	434.9	431.6	435.8	435.8	435.4
30°	449.6	434.4	419.2	410.2	401.1	402.1	402.5	401.6	404.4	406.3	407.8
32.5°	422.0	407.3	392.5	383.5	374.0	372.6	371.1	370.2	376.4	379.7	383.0
35°	397.3	381.1	365.0	356.4	347.8	344.5	341.2	338.8	344.5	348.8	353.1
37.5°	380.7	364.0	346.9	338.8	330.2	325.9	321.7	318.8	321.2	323.1	325.0
40°	367.3	350.2	332.6	323.1	313.6	309.3	305.0	302.6	304.0	304.5	305.0
42.5°	355.0	338.3	321.7	311.2	300.2	295.0	289.8	286.9	287.9	288.8	289.3
45°	345.9	329.3	312.1	299.8	286.9	281.2	275.5	272.2	272.6	272.6	272.6
47.5°	354.5	330.2	305.5	291.2	276.4	269.8	263.1	259.8	258.8	257.9	256.9
50°	385.9	344.5	302.6	284.5	266.0	258.8	251.2	247.4	245.0	244.1	243.1
52.5°	376.8	341.2	305.0	281.7	257.9	249.3	240.8	234.6	232.2	230.8	229.3
55°	345.0	322.6	299.8	271.7	243.6	236.0	227.9	223.6	219.4	218.4	217.4
57.5°	303.1	294.1	285.0	256.5	227.9	220.8	213.2	210.3	206.5	206.5	206.0
60°	253.6	266.9	280.3	247.4	214.1	206.0	197.9	195.6	194.1	193.7	193.2
62.5°	227.9	249.8	271.2	236.5	201.3	192.7	184.1	181.3	180.8	181.3	181.3
65°	206.0	212.7	219.4	203.2	187.0	178.4	169.4	166.5	167.5	168.9	170.3
67.5°	186.0	184.6	183.2	177.5	171.3	164.2	156.5	153.7	154.2	156.1	158.0
70°	167.0	165.1	162.7	158.4	154.2	148.0	141.8	139.9	139.4	141.8	143.7
72.5°	148.0	145.6	142.7	139.4	135.6	130.4	125.1	123.7	124.2	125.6	127.0
75°	127.0	125.1	122.8	119.9	116.6	111.8	107.1	106.1	107.1	108.5	109.9
77.5°	104.2	103.7	102.8	100.4	98.0	92.8	87.1	86.6	88.0	89.5	90.4
80°	81.4	81.8	82.3	80.4	78.5	72.8	66.6	66.1	67.6	69.0	70.4
82.5°	60.0	61.4	62.3	60.0	57.6	50.9	44.3	43.3	48.1	49.5	50.9
85°	34.7	36.6	38.5	36.6	34.7	28.1	21.4	20.9	25.2	27.6	30.0
87.5°	2.9	3.8	4.8	4.3	3.8	1.9	0.0	0.0	0.5	2.4	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009  
 CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009

CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3099.0	3080.4	3074.7	3069.0	3048.1	3026.7	3048.6	3070.0	3079.0	3088.0	3064.7
5°	2519.9	2516.6	2516.6	2516.1	2497.1	2477.6	2492.3	2506.6	2474.7	2442.8	2439.5
7.5°	1888.5	1909.0	1925.6	1941.8	1935.6	1929.4	1943.2	1957.0	1916.6	1875.7	1855.7
10°	1398.4	1402.7	1420.8	1438.9	1443.2	1447.0	1464.1	1480.7	1449.3	1417.9	1404.1
12.5°	1091.0	1068.2	1070.6	1072.5	1081.1	1089.1	1107.2	1124.8	1112.0	1098.7	1100.1
15°	883.6	854.6	842.7	830.3	839.8	849.3	862.2	874.6	875.0	875.0	887.4
17.5°	721.3	706.6	694.7	682.3	695.2	707.5	709.0	710.4	710.9	711.3	710.4
20°	591.0	598.1	594.3	590.5	595.2	599.5	603.3	606.7	602.4	597.6	585.7
22.5°	518.2	524.3	529.1	533.4	541.5	549.1	545.3	541.0	532.4	523.4	514.4
25°	475.8	480.1	484.9	489.6	496.3	502.5	495.8	489.1	483.0	476.8	470.6
27.5°	440.1	444.4	448.7	452.5	458.7	464.4	458.2	452.0	446.8	441.6	436.8
30°	411.1	414.0	417.3	420.6	426.3	431.6	426.3	420.6	416.8	412.5	409.2
32.5°	386.4	389.2	390.6	392.1	397.3	402.5	398.7	394.9	391.6	388.3	385.9
35°	359.2	365.0	365.9	366.9	372.1	377.3	374.9	372.1	368.3	364.5	360.2
37.5°	331.6	338.3	342.1	345.4	350.7	355.9	353.5	351.2	345.9	340.7	333.1
40°	308.3	311.2	318.3	325.0	333.5	341.6	336.9	331.6	323.6	315.5	311.7
42.5°	288.8	288.3	295.0	301.7	314.5	326.9	318.3	309.8	302.1	294.5	293.6
45°	271.7	270.3	273.6	276.9	290.7	304.0	295.5	286.4	282.2	277.9	277.9
47.5°	256.5	255.5	257.9	259.8	268.4	276.4	272.2	267.9	265.5	263.1	263.6
50°	242.7	241.7	244.1	246.0	249.3	252.2	253.1	253.6	252.2	250.8	251.7
52.5°	229.8	229.8	230.8	231.2	235.5	239.8	239.8	239.3	239.3	239.3	240.3
55°	218.9	219.8	219.8	219.8	226.5	232.7	230.8	228.9	229.3	229.3	230.3
57.5°	207.9	209.4	210.3	211.3	217.9	224.6	222.7	220.8	220.8	220.8	221.3
60°	195.6	197.5	199.4	201.3	207.9	214.6	212.7	210.3	210.8	211.3	211.7
62.5°	183.7	185.6	187.5	189.4	196.0	202.7	200.8	198.4	199.8	200.8	200.8
65°	172.2	173.7	175.6	177.5	183.7	189.9	187.9	186.0	187.9	189.4	190.3
67.5°	159.4	160.4	162.3	164.2	170.3	176.5	174.6	172.2	174.6	176.5	178.4
70°	144.6	145.6	148.0	149.9	156.1	162.3	159.9	157.5	159.9	162.3	164.2
72.5°	128.5	129.4	131.8	133.7	140.8	148.0	145.1	142.3	145.1	148.0	148.9
75°	110.9	111.8	114.7	117.1	124.2	131.3	128.9	126.1	128.5	130.8	131.3
77.5°	91.8	93.3	97.1	100.9	106.6	112.3	110.9	109.4	110.9	112.3	112.3
80°	71.8	73.3	78.0	82.3	85.6	89.0	89.5	89.9	90.4	90.9	90.4
82.5°	53.3	55.2	59.5	63.8	63.8	63.8	67.6	70.9	70.9	70.4	69.9
85°	32.8	35.2	39.0	42.8	40.4	38.1	44.3	50.0	50.0	49.5	48.5
87.5°	6.7	9.0	12.8	16.2	13.8	11.4	17.6	23.8	24.3	24.3	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009  
 CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009  
 CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3040.9	3078.1	3114.7	3124.2	3138.5	3144.7	3150.4	3197.0	3243.2	3297.4	3351.7
5°	2435.7	2463.3	2490.9	2495.2	2509.9	2517.5	2525.2	2581.8	2637.9	2713.6	2789.2
7.5°	1835.7	1842.4	1849.0	1848.1	1860.4	1877.1	1893.3	1953.7	2013.7	2095.0	2175.9
10°	1390.3	1405.6	1420.3	1434.1	1461.2	1492.6	1523.6	1585.4	1647.3	1727.7	1807.6
12.5°	1101.5	1119.1	1136.2	1151.5	1182.9	1224.8	1266.1	1340.4	1414.6	1510.7	1606.4
15°	899.3	897.9	896.4	906.9	934.5	980.2	1025.4	1103.9	1182.4	1288.0	1393.2
17.5°	709.4	702.3	695.2	703.3	729.0	766.5	803.7	870.3	936.4	1038.7	1141.0
20°	573.8	569.1	564.3	571.9	588.1	603.8	619.5	667.6	715.2	798.4	881.2
22.5°	504.8	504.4	503.4	507.7	515.3	523.4	531.0	554.3	577.2	630.9	684.2
25°	464.4	463.9	463.4	465.3	471.5	477.7	483.9	499.1	514.4	540.1	565.7
27.5°	432.0	431.1	430.1	430.6	432.0	441.6	450.6	457.7	464.4	482.0	499.1
30°	405.9	405.4	404.9	404.9	403.5	406.8	410.2	421.1	431.6	449.6	467.7
32.5°	383.5	381.1	378.7	373.5	370.2	374.9	379.7	391.1	402.5	419.2	435.8
35°	355.4	349.2	342.6	339.7	340.2	345.0	349.7	361.1	372.1	390.2	407.8
37.5°	325.0	323.1	320.7	320.2	321.7	326.4	331.2	341.2	350.7	368.8	386.4
40°	307.9	306.9	306.0	305.0	306.0	310.7	315.5	325.0	334.0	351.6	368.8
42.5°	292.6	292.2	291.7	291.7	292.2	297.4	302.6	312.1	321.2	336.9	352.6
45°	277.9	278.4	278.4	279.3	280.7	286.0	290.7	301.2	311.7	326.9	342.1
47.5°	264.1	265.5	266.5	268.8	270.3	276.0	281.2	292.6	304.0	323.1	341.6
50°	252.2	253.6	254.6	256.5	260.3	266.9	273.6	287.4	300.7	332.6	364.0
52.5°	241.2	242.7	244.1	246.0	250.8	258.4	266.0	283.1	299.8	336.9	374.0
55°	231.2	232.7	233.6	236.5	241.2	247.9	254.1	275.0	296.0	323.1	350.2
57.5°	221.7	223.2	224.1	226.0	228.4	235.5	242.2	264.6	286.9	306.0	324.5
60°	211.7	212.7	213.2	213.2	215.1	223.2	231.2	259.8	287.9	284.5	280.7
62.5°	200.8	201.7	202.2	200.8	203.2	211.7	220.3	257.4	294.5	271.7	248.9
65°	190.8	190.3	189.9	188.4	191.3	199.8	207.9	226.5	245.0	236.0	227.0
67.5°	179.9	178.4	177.0	175.1	178.0	185.6	192.7	198.9	205.1	206.0	207.0
70°	166.1	164.2	162.3	161.8	163.2	169.4	175.6	179.9	183.7	185.6	187.0
72.5°	149.9	148.5	147.0	146.1	146.6	151.8	156.5	160.4	164.2	165.6	166.5
75°	131.8	131.8	131.3	128.5	128.5	132.8	136.6	139.9	143.2	145.1	147.0
77.5°	112.3	112.8	112.8	109.0	108.5	112.8	116.6	119.4	121.8	123.7	125.1
80°	89.9	89.0	88.0	85.6	84.7	89.9	94.7	97.1	99.0	99.4	99.4
82.5°	69.0	67.1	64.7	59.5	60.0	65.7	70.9	72.8	74.7	74.7	74.7
85°	47.1	43.3	39.0	34.7	35.2	41.4	47.1	49.0	50.9	51.9	52.3
87.5°	22.4	18.6	14.3	10.9	10.9	16.2	20.9	21.9	22.8	24.7	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009  
 CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009

CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3393.0	3434.0	3476.3	3518.7	3567.2	3615.7	3672.4	3728.5	3776.6	3824.6	3864.6
5°	2854.4	2919.6	2996.2	3072.8	3170.4	3267.9	3387.3	3506.3	3612.4	3718.5	3841.7
7.5°	2261.1	2345.8	2445.7	2545.6	2671.7	2797.8	2952.4	3107.1	3257.0	3406.4	3595.7
10°	1896.6	1985.6	2084.1	2182.1	2310.6	2438.6	2602.2	2765.4	2933.9	3101.8	3316.0
12.5°	1705.3	1803.8	1890.4	1977.0	2081.2	2184.9	2343.4	2501.8	2699.8	2897.2	3103.3
15°	1501.2	1608.7	1712.5	1816.2	1929.9	2043.2	2197.3	2351.5	2568.0	2784.5	3021.4
17.5°	1254.3	1367.5	1494.1	1620.2	1768.6	1916.6	2114.1	2311.5	2568.0	2824.0	3103.3
20°	996.8	1112.5	1263.8	1415.1	1599.7	1783.8	2039.8	2295.8	2641.3	2986.2	3342.6
22.5°	786.5	888.3	1053.5	1218.1	1431.3	1644.4	1972.7	2300.6	2752.1	3203.2	3684.2
25°	637.6	709.4	871.7	1033.5	1279.5	1525.5	1931.8	2337.7	2913.4	3488.7	4085.4
27.5°	546.2	593.3	744.7	895.5	1164.3	1432.7	1915.2	2397.2	3118.0	3838.9	4521.7
30°	500.6	533.4	661.4	788.9	1062.0	1335.1	1895.2	2455.2	3315.0	4174.3	4862.8
32.5°	462.5	488.7	598.1	707.1	973.5	1240.0	1856.6	2472.8	3452.5	4432.2	5151.7
35°	430.1	452.0	547.2	642.4	904.1	1165.8	1791.9	2418.1	3538.6	4659.2	5452.4
37.5°	404.0	421.1	509.1	597.1	844.1	1091.0	1718.2	2345.3	3615.3	4885.2	5790.7
40°	383.5	398.3	480.6	562.9	787.0	1011.1	1654.9	2298.2	3720.9	5143.6	6148.0
42.5°	372.1	391.1	455.8	520.1	732.8	945.4	1604.0	2262.5	3818.9	5374.8	6460.6
45°	369.2	396.4	443.0	489.6	692.3	895.0	1558.8	2222.1	3882.2	5542.3	6696.2
47.5°	364.5	386.8	433.0	479.1	672.3	865.0	1534.5	2203.5	3945.5	5687.0	6891.7
50°	367.3	370.2	424.9	479.1	669.5	859.8	1562.1	2264.4	4082.5	5900.1	7115.4
52.5°	362.1	349.7	409.7	469.6	669.0	868.4	1641.6	2414.8	4337.1	6258.9	7357.6
55°	334.5	318.3	381.1	443.9	659.0	873.6	1736.3	2598.4	4678.7	6758.5	7792.9
57.5°	310.2	295.5	348.8	401.6	628.6	855.5	1833.8	2811.6	5039.8	7267.6	8283.5
60°	277.9	274.5	312.6	350.7	581.4	811.7	1914.2	3016.2	5282.5	7548.4	8472.4
62.5°	251.2	253.1	281.2	309.3	522.4	735.1	1940.9	3146.1	5275.9	7405.6	8282.1
65°	230.8	234.1	261.7	289.3	472.0	654.7	1853.3	3051.4	5008.9	6966.0	7905.7
67.5°	210.8	214.6	247.4	279.8	427.3	574.3	1634.4	2694.1	4528.8	6363.1	7427.0
70°	191.8	196.5	232.2	267.9	394.9	521.5	1352.3	2183.0	3927.9	5672.2	6872.7
72.5°	171.3	176.1	214.1	252.2	374.5	496.3	1102.5	1708.2	3187.5	4666.3	5878.7
75°	150.4	153.7	195.1	236.0	346.4	456.8	865.0	1272.8	2439.5	3606.2	4440.3
77.5°	129.4	133.7	168.4	202.7	294.1	384.9	651.9	918.8	1790.0	2660.8	3088.0
80°	103.3	107.1	131.8	156.1	227.0	297.4	448.2	599.1	1231.9	1864.7	2105.5
82.5°	79.0	83.3	99.9	116.1	161.8	207.5	271.7	335.9	818.4	1300.4	1320.4
85°	54.2	55.7	67.6	79.0	99.9	120.9	155.6	190.3	541.5	892.6	743.7
87.5°	27.1	27.1	35.2	43.3	53.8	64.2	82.3	99.9	173.2	246.5	141.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009  
 CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P387009

CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	3915.5	3950.2	3985.4	4012.1	4039.2	4078.2	4117.2	4124.4	4132.0	4116.8	4101.5
5°	3965.9	4071.1	4176.7	4274.3	4371.8	4430.3	4488.9	4500.7	4512.6	4476.0	4438.9
7.5°	3778.9	3962.1	4145.3	4313.3	4481.2	4583.1	4685.4	4708.2	4731.5	4671.6	4611.6
10°	3529.1	3754.2	3979.3	4200.5	4421.8	4569.7	4717.7	4747.2	4776.7	4702.0	4627.3
12.5°	3335.9	3576.2	3816.5	4049.7	4283.3	4436.5	4589.7	4626.4	4663.0	4608.8	4554.0
15°	3276.5	3502.5	3728.5	3931.7	4135.3	4260.5	4386.1	4400.8	4416.1	4407.5	4398.9
17.5°	3384.5	3588.6	3793.2	3903.6	4014.5	4064.4	4114.9	4131.0	4147.7	4169.1	4191.0
20°	3646.2	3789.9	3934.1	3929.3	3924.1	3899.8	3875.0	3870.8	3866.5	3927.9	3989.7
22.5°	4036.8	4093.9	4151.5	4017.8	3884.1	3802.7	3720.9	3704.7	3688.1	3753.2	3818.9
25°	4460.8	4450.3	4439.4	4184.8	3929.8	3774.7	3619.5	3601.5	3583.4	3639.0	3695.2
27.5°	4880.5	4811.9	4743.4	4397.5	4051.6	3826.5	3601.5	3583.4	3565.3	3614.8	3664.3
30°	5188.3	5078.4	4968.5	4576.9	4185.3	3917.9	3650.5	3621.0	3591.0	3651.9	3712.8
32.5°	5428.6	5281.1	5133.6	4722.5	4311.4	4022.1	3732.8	3686.6	3640.5	3721.8	3803.2
35°	5668.4	5460.9	5253.0	4852.4	4451.3	4145.3	3838.9	3782.3	3725.6	3837.5	3949.3
37.5°	5970.1	5672.2	5373.9	4998.5	4623.0	4329.9	4036.4	3978.3	3920.3	4062.5	4205.3
40°	6297.4	5900.1	5502.8	5158.3	4813.8	4585.4	4356.6	4301.4	4245.7	4418.9	4592.1
42.5°	6569.6	6112.3	5655.1	5351.0	5046.5	4885.7	4724.4	4723.9	4723.0	4898.5	5074.1
45°	6790.9	6289.3	5787.4	5539.0	5290.1	5206.4	5122.6	5189.7	5256.8	5415.3	5574.2
47.5°	6956.0	6437.8	5919.2	5754.0	5588.9	5601.3	5613.7	5750.2	5886.8	5988.6	6090.9
50°	7063.5	6572.5	6080.9	6030.0	5979.1	6090.0	6201.3	6357.9	6514.9	6584.3	6653.8
52.5°	7220.0	6755.2	6289.8	6346.9	6404.0	6630.5	6857.0	7015.4	7173.9	7199.6	7225.8
55°	7582.1	7091.1	6599.6	6709.0	6818.9	7151.0	7483.6	7607.4	7731.1	7740.6	7750.1
57.5°	8096.5	7561.7	7026.9	7144.9	7262.9	7646.4	8030.4	8163.6	8297.3	8278.7	8259.7
60°	8481.4	8008.5	7535.0	7654.0	7772.9	8146.9	8520.9	8674.1	8827.8	8786.9	8746.0
62.5°	8505.2	8252.6	7999.4	8107.0	8215.0	8581.4	8947.7	9105.2	9262.7	9191.3	9120.0
65°	8126.9	8240.2	8353.4	8389.1	8424.8	8766.4	9108.6	9228.9	9349.8	9313.6	9277.5
67.5°	7605.9	8023.2	8441.0	8369.1	8297.3	8457.6	8618.0	8742.2	8866.4	8845.9	8825.0
70°	7085.9	7643.0	8200.2	7847.2	7493.6	7427.5	7361.4	7495.1	7629.2	7546.5	7463.2
72.5°	6200.4	6794.2	7388.5	6738.0	6087.6	5861.6	5635.6	5805.4	5975.3	5843.5	5711.2
75°	4867.1	5523.3	6179.9	5403.8	4627.8	4326.1	4024.5	4170.5	4316.6	4226.2	4135.3
77.5°	3623.3	4270.0	4916.6	4127.7	3338.3	3114.2	2889.6	2932.9	2976.7	2961.5	2945.8
80°	2457.6	2908.2	3359.3	2834.0	2308.7	2325.8	2343.4	2322.9	2302.0	2332.5	2362.9
82.5°	1568.3	1916.1	2264.4	1985.6	1706.8	1866.6	2026.5	1948.0	1869.0	1898.0	1927.5
85°	895.0	1235.2	1575.9	1468.8	1361.3	1454.6	1548.3	1426.5	1304.7	1358.0	1411.7
87.5°	236.0	683.3	1131.0	1026.8	922.6	801.8	680.9	519.6	358.3	523.4	688.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009  
 CATALOG NUMBER: GAW-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P387009

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7	3625.7
2.5°	4093.4	4085.4	4056.3	4026.8	3983.1	3946.9	3884.1
5°	4387.5	4336.1	4247.6	4158.6	4059.7	3945.9	3819.9
7.5°	4491.7	4371.3	4201.5	4031.1	3877.9	3698.0	3530.6
10°	4447.5	4267.1	4046.3	3825.1	3639.0	3432.1	3246.0
12.5°	4362.8	4171.0	3927.9	3684.2	3472.5	3250.3	3041.9
15°	4246.2	4093.0	3865.1	3637.1	3424.0	3208.0	2961.0
17.5°	4118.7	4045.9	3881.2	3716.1	3531.5	3322.2	3032.4
20°	4015.9	4042.5	3976.9	3911.2	3763.2	3580.5	3255.1
22.5°	3946.4	4074.4	4124.9	4175.8	4086.8	3944.0	3567.7
25°	3907.4	4119.6	4288.5	4457.9	4418.4	4308.5	3947.4
27.5°	3924.5	4184.8	4447.0	4709.6	4746.3	4715.8	4347.5
30°	3975.9	4239.5	4558.8	4878.5	5024.6	5065.5	4681.1
32.5°	4061.6	4319.9	4667.8	5016.1	5236.8	5367.2	4986.1
35°	4191.0	4432.7	4795.3	5157.9	5443.3	5681.2	5301.1
37.5°	4413.2	4621.1	4955.6	5290.6	5660.8	6018.1	5647.9
40°	4738.7	4885.7	5168.3	5451.4	5917.3	6399.7	6034.8
42.5°	5149.3	5224.9	5449.1	5673.2	6185.1	6746.1	6413.1
45°	5594.2	5614.2	5755.0	5896.3	6397.4	6982.1	6697.1
47.5°	6022.4	5953.9	6010.0	6066.2	6560.1	7150.6	6912.7
50°	6463.0	6272.2	6242.7	6213.2	6722.8	7349.0	7186.7
52.5°	6911.2	6596.7	6480.1	6363.1	6916.9	7612.1	7527.9
55°	7349.9	6949.8	6792.8	6635.7	7213.9	7933.3	8028.9
57.5°	7806.2	7352.8	7207.2	7061.6	7650.2	8340.1	8478.6
60°	8297.3	7848.1	7731.5	7614.5	8192.6	8779.8	8678.9
62.5°	8763.1	8406.3	8344.9	8283.0	8741.2	9117.6	8600.9
65°	9074.3	8870.6	8927.7	8985.3	9156.1	9201.8	8372.5
67.5°	8866.4	8907.8	9149.0	9390.7	9273.2	8951.5	7922.3
70°	7711.1	7959.5	8530.9	9102.8	8842.1	8281.1	7114.4
72.5°	5990.1	6269.4	7117.7	7966.6	7726.3	7039.2	5843.5
75°	4450.3	4765.8	5702.2	6638.6	6305.0	5265.4	4183.9
77.5°	3157.0	3368.3	4292.8	5217.8	4673.9	3504.9	2815.4
80°	2298.2	2233.5	2748.8	3264.1	3173.7	2318.2	1808.1
82.5°	1769.6	1611.6	1854.3	2096.9	2083.6	1608.7	1326.6
85°	1348.5	1285.2	1499.8	1714.4	1530.7	1089.6	843.1
87.5°	786.0	884.1	1136.7	1389.9	1043.0	330.7	163.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)