

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: P386253

Luminaire Tested: **GWC-SA1D-827-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386253  
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 (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1D-827-U-SLR  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5354 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 66  
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

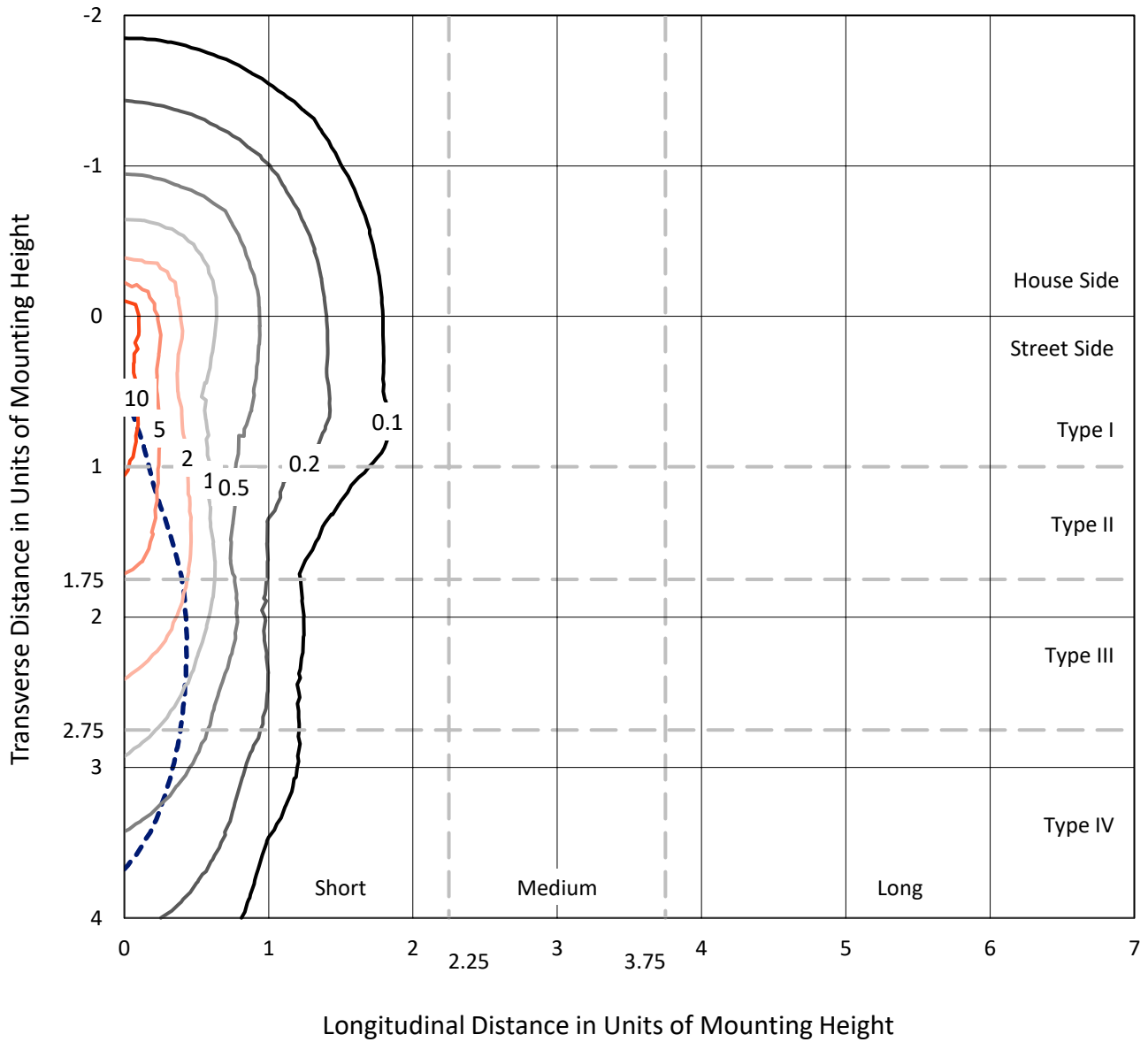




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### Iso-Footcandle Lines of Horizontal Illumination

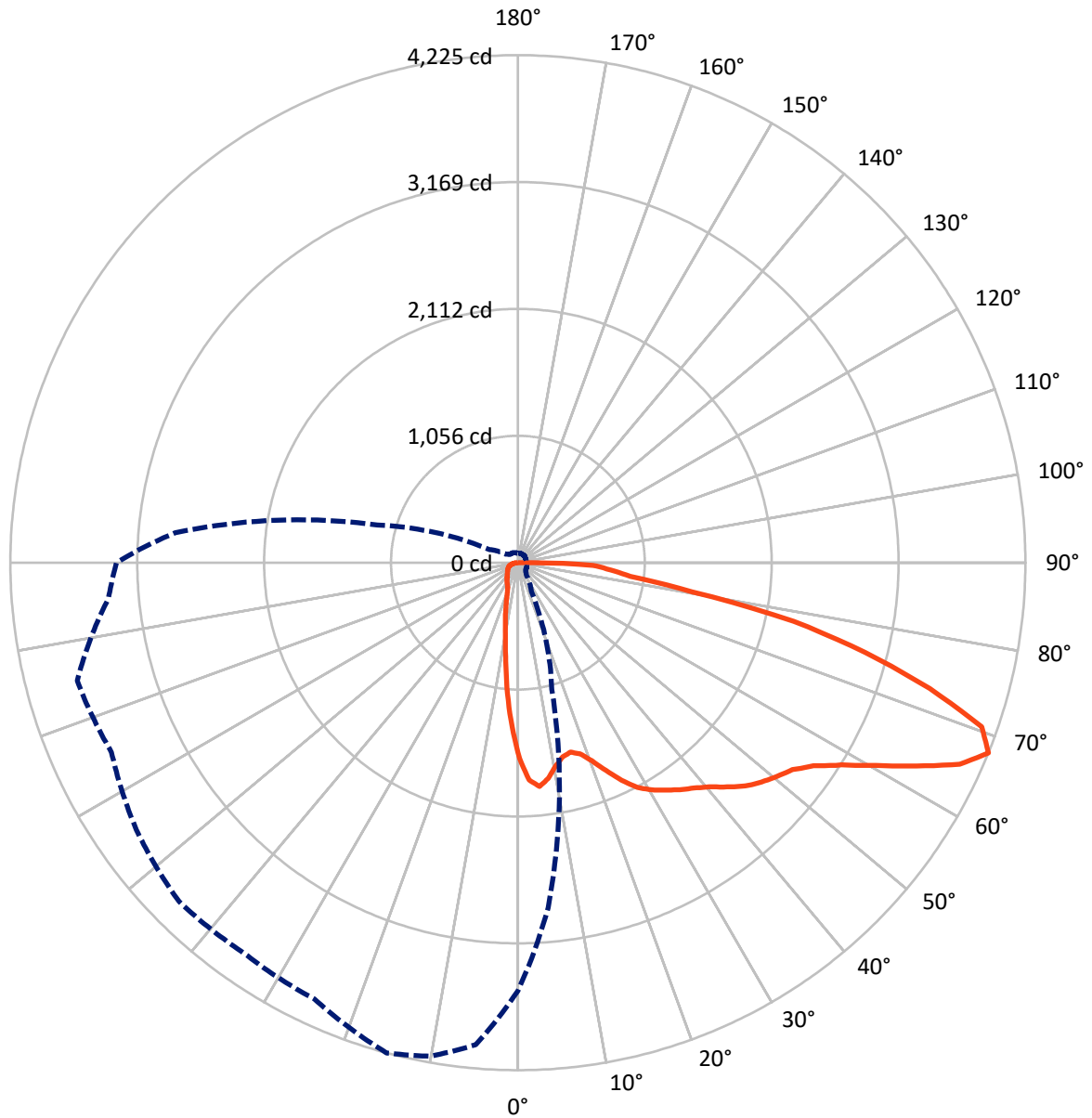
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 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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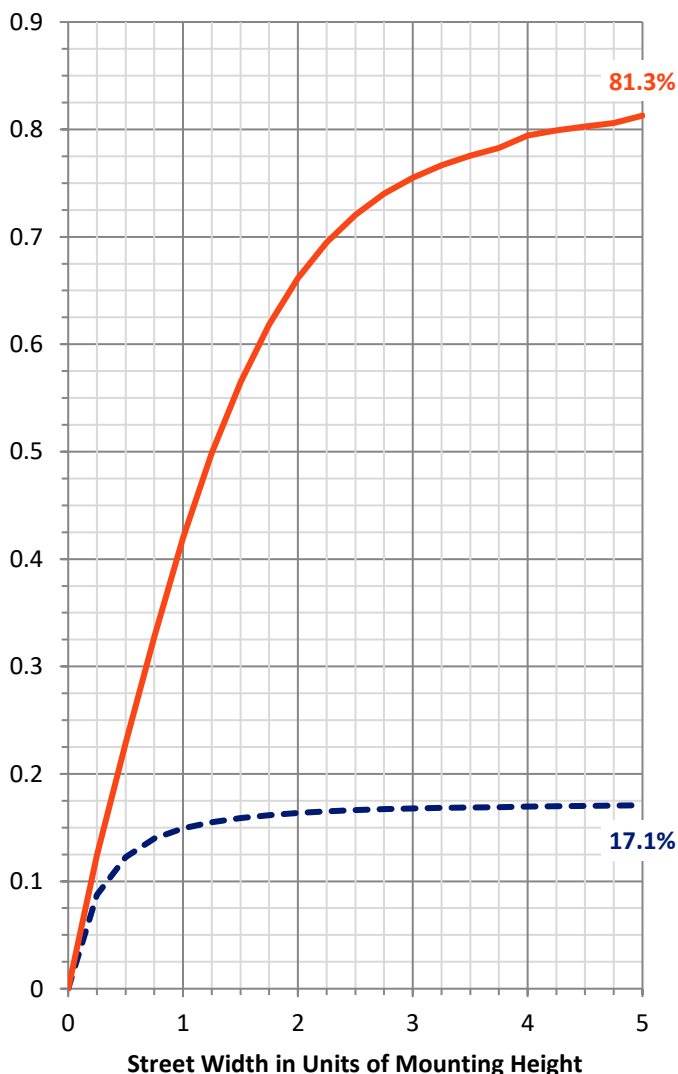
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	925.6	0.0	925.6
	% Fixture	17.3	0.0	17.3
<b>Street Side</b>	Lumens	4428.4	0.0	4428.4
	% Fixture	82.7	0.0	82.7
<b>Total</b>	Lumens	5354.0	0.0	5354.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.9	2.4
10°-20°	261.5	4.9
20°-30°	371.9	6.9
30°-40°	536.0	10.0
40°-50°	755.3	14.1
50°-60°	1050.0	19.6
60°-70°	1269.8	23.7
70°-80°	780.5	14.6
80°-90°	203.1	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°	5354.0	100.0
0°-180°	5354.0	100.0

**Coefficient of Utilization**



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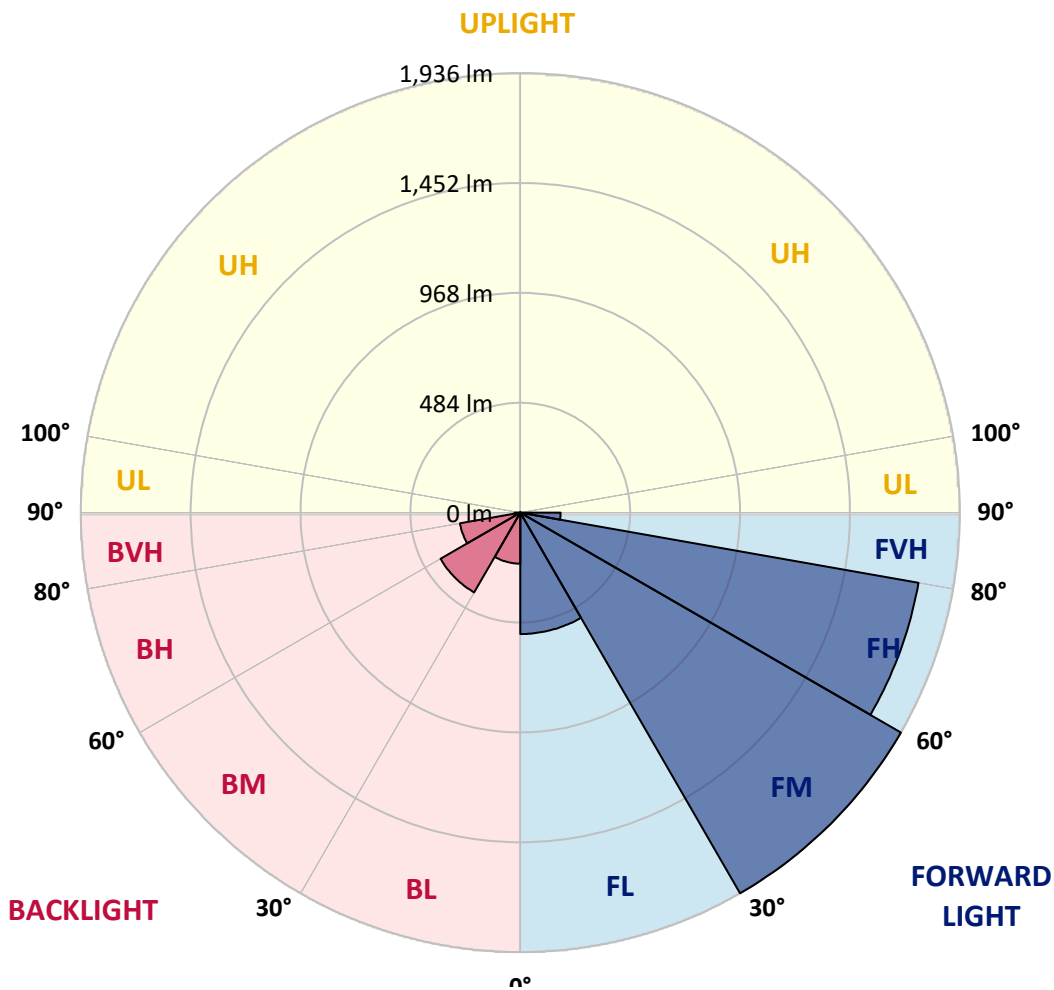
CATALOG NUMBER: GWC-SA1D-827-U-SLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	534.6	10.0			
FM (30°-60°)	1935.6	36.2			
FH (60°-80°)	1780.6	33.3			G1/1800
FVH (80°-90°)	177.6	3.3			G2/225
BL (0°-30°)	224.7	4.2	B1/500		
BM (30°-60°)	405.7	7.6	B1/1000		
BH (60°-80°)	269.7	5.0	B1/500		G1/500
BVH (80°-90°)	25.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1747.4	1732.0	1708.6	1685.3	1668.0	1650.4	1630.5	1610.6	1587.9	1565.0	1551.5
5°	1718.5	1675.7	1620.0	1564.3	1527.5	1490.7	1449.0	1407.2	1365.9	1324.6	1302.3
7.5°	1588.3	1524.1	1451.8	1379.4	1325.9	1272.2	1214.4	1156.3	1105.0	1053.4	1021.5
10°	1460.3	1383.3	1300.2	1216.9	1148.4	1079.9	1021.9	963.7	925.0	886.2	856.9
12.5°	1368.5	1283.1	1191.7	1100.1	1031.6	963.1	926.2	889.4	857.3	825.2	791.4
15°	1332.1	1235.6	1142.0	1048.2	986.0	923.7	882.8	841.7	798.7	755.4	713.9
17.5°	1364.2	1251.2	1149.5	1047.8	966.3	884.7	827.6	770.2	713.5	656.7	608.6
20°	1464.4	1320.1	1187.2	1054.0	945.5	837.0	760.3	683.5	610.7	537.9	483.3
22.5°	1605.0	1414.1	1240.5	1066.9	926.7	786.2	690.1	593.8	507.7	421.7	368.2
25°	1775.8	1538.7	1317.3	1095.8	919.0	741.9	623.8	505.6	414.8	323.9	285.8
27.5°	1955.9	1687.2	1412.8	1138.2	920.2	702.3	567.9	433.3	351.5	269.7	243.6
30°	2105.9	1857.0	1524.1	1191.0	925.2	659.3	515.2	371.2	303.8	236.3	219.4
32.5°	2243.1	1975.3	1608.0	1240.5	930.7	620.8	474.6	328.2	273.1	217.9	204.0
35°	2384.8	2080.4	1666.7	1252.7	921.1	589.3	446.7	304.2	253.4	202.5	190.7
37.5°	2540.9	2194.1	1723.2	1252.0	904.8	557.6	425.1	292.4	240.6	188.6	180.0
40°	2714.9	2319.8	1784.4	1249.0	890.1	530.9	409.1	287.1	233.5	179.8	172.5
42.5°	2885.1	2439.6	1841.3	1243.0	878.1	512.9	393.2	273.6	227.1	180.5	170.2
45°	3012.9	2544.3	1890.8	1237.0	869.1	501.1	380.8	260.5	221.1	181.7	168.7
47.5°	3109.9	2649.4	1945.6	1241.5	868.2	494.9	372.0	249.2	209.8	170.2	164.8
50°	3233.2	2775.7	2025.4	1275.2	880.0	484.8	361.8	238.5	198.9	159.3	166.5
52.5°	3386.6	2955.9	2149.2	1342.2	904.6	467.1	345.5	223.9	185.6	147.1	158.4
55°	3612.0	3186.9	2307.3	1427.6	934.4	441.0	320.9	200.6	168.0	135.3	145.3
57.5°	3814.3	3420.2	2459.1	1497.8	953.0	408.0	289.8	171.7	148.3	125.0	130.8
60°	3904.4	3540.5	2530.2	1519.6	941.9	364.1	254.9	145.6	131.0	116.4	115.4
62.5°	3869.3	3464.1	2460.2	1456.2	887.5	318.7	224.1	129.5	118.6	107.5	105.1
65°	3766.6	3223.9	2264.1	1304.3	795.7	287.1	204.6	122.2	110.0	97.8	95.3
67.5°	3564.1	2882.1	1986.3	1090.4	679.0	267.6	193.5	119.4	104.7	89.7	86.7
70°	3200.6	2470.7	1666.2	861.6	558.7	255.6	186.2	116.9	98.9	80.7	77.9
72.5°	2628.9	1980.9	1330.6	680.1	467.1	254.1	185.4	116.7	94.2	71.7	69.1
75°	1882.2	1504.6	1015.7	526.6	382.5	238.5	176.0	113.5	87.8	61.9	59.5
77.5°	1266.6	1041.4	706.0	370.3	283.8	197.4	147.9	98.5	75.1	51.8	49.4
80°	813.4	720.7	473.1	225.4	184.1	142.8	105.7	68.7	54.8	40.7	38.7
82.5°	596.8	536.4	328.8	121.2	102.3	83.3	64.6	46.0	37.5	28.9	28.0
85°	379.3	418.3	242.1	65.9	53.9	42.0	34.7	27.4	21.6	15.8	15.8
87.5°	73.6	101.9	67.0	31.9	23.3	14.8	12.6	10.3	5.8	1.1	1.3
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



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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°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1537.8	1523.0	1508.3	1491.6	1474.7	1459.0	1443.2	1425.9	1429.1	1415.8	1402.5
5°	1280.1	1256.5	1232.8	1212.2	1191.7	1173.9	1155.9	1139.9	1153.8	1144.4	1134.9
7.5°	989.4	960.3	930.9	906.3	881.7	862.7	843.4	830.1	843.8	842.1	840.4
10°	827.6	799.3	770.8	743.6	716.5	693.3	670.0	650.3	646.9	637.0	627.0
12.5°	757.3	718.6	679.6	651.2	622.7	595.1	567.5	544.4	533.9	517.6	501.1
15°	672.4	626.6	580.7	548.4	515.9	489.1	462.2	442.2	435.6	423.0	410.4
17.5°	560.4	510.3	460.2	427.5	394.5	373.1	351.5	338.2	338.2	334.6	330.9
20°	428.8	384.0	339.3	314.2	289.2	277.8	266.3	260.7	262.4	262.7	262.7
22.5°	314.5	287.1	259.7	249.6	239.3	235.3	231.2	228.8	229.7	229.9	230.1
25°	247.7	237.2	226.5	221.3	216.0	213.4	210.8	210.0	211.9	212.1	212.1
27.5°	217.5	211.1	204.4	201.2	197.8	196.7	195.7	194.2	196.1	196.1	195.9
30°	202.3	195.4	188.6	184.5	180.5	180.9	181.1	180.7	182.0	182.8	183.4
32.5°	189.9	183.2	176.6	172.5	168.3	167.6	167.0	166.5	169.3	170.8	172.3
35°	178.7	171.5	164.2	160.3	156.5	155.0	153.5	152.4	155.0	156.9	158.8
37.5°	171.2	163.8	156.0	152.4	148.6	146.6	144.7	143.4	144.5	145.3	146.2
40°	165.3	157.5	149.6	145.3	141.1	139.1	137.2	136.1	136.8	137.0	137.2
42.5°	159.7	152.2	144.7	140.0	135.1	132.7	130.4	129.1	129.5	129.9	130.1
45°	155.6	148.1	140.4	134.9	129.1	126.5	123.9	122.4	122.7	122.7	122.7
47.5°	159.5	148.6	137.4	131.0	124.4	121.4	118.4	116.9	116.4	116.0	115.6
50°	173.6	155.0	136.1	128.0	119.7	116.4	113.0	111.3	110.2	109.8	109.4
52.5°	169.5	153.5	137.2	126.7	116.0	112.2	108.3	105.5	104.5	103.8	103.2
55°	155.2	145.1	134.9	122.2	109.6	106.2	102.5	100.6	98.7	98.3	97.8
57.5°	136.4	132.3	128.2	115.4	102.5	99.3	95.9	94.6	92.9	92.9	92.7
60°	114.1	120.1	126.1	111.3	96.3	92.7	89.0	88.0	87.3	87.1	86.9
62.5°	102.5	112.4	122.0	106.4	90.5	86.7	82.8	81.6	81.3	81.6	81.6
65°	92.7	95.7	98.7	91.4	84.1	80.3	76.2	74.9	75.3	76.0	76.6
67.5°	83.7	83.1	82.4	79.8	77.1	73.9	70.4	69.1	69.4	70.2	71.1
70°	75.1	74.3	73.2	71.3	69.4	66.6	63.8	62.9	62.7	63.8	64.6
72.5°	66.6	65.5	64.2	62.7	61.0	58.7	56.3	55.7	55.9	56.5	57.2
75°	57.2	56.3	55.2	53.9	52.4	50.3	48.2	47.7	48.2	48.8	49.4
77.5°	46.9	46.7	46.2	45.2	44.1	41.7	39.2	39.0	39.6	40.2	40.7
80°	36.6	36.8	37.0	36.2	35.3	32.8	30.0	29.8	30.4	31.0	31.7
82.5°	27.0	27.6	28.0	27.0	25.9	22.9	19.9	19.5	21.6	22.3	22.9
85°	15.6	16.5	17.3	16.5	15.6	12.6	9.6	9.4	11.3	12.4	13.5
87.5°	1.3	1.7	2.1	1.9	1.7	0.9	0.0	0.0	0.2	1.1	1.9
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



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**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: P386253  
 CATALOG NUMBER: GWC-SA1D-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1394.2	1385.8	1383.3	1380.7	1371.3	1361.6	1371.5	1381.1	1385.2	1389.2	1378.8
5°	1133.7	1132.2	1132.2	1131.9	1123.4	1114.6	1121.2	1127.7	1113.3	1099.0	1097.5
7.5°	849.6	858.8	866.3	873.6	870.8	868.0	874.2	880.4	862.2	843.8	834.8
10°	629.1	631.0	639.2	647.3	649.2	651.0	658.7	666.2	652.0	637.9	631.7
12.5°	490.8	480.6	481.6	482.5	486.3	490.0	498.1	506.0	500.3	494.3	494.9
15°	397.5	384.5	379.1	373.5	377.8	382.1	387.9	393.4	393.7	393.7	399.2
17.5°	324.5	317.9	312.5	307.0	312.7	318.3	318.9	319.6	319.8	320.0	319.6
20°	265.9	269.1	267.4	265.6	267.8	269.7	271.4	272.9	271.0	268.9	263.5
22.5°	233.1	235.9	238.0	240.0	243.6	247.0	245.3	243.4	239.5	235.5	231.4
25°	214.1	216.0	218.1	220.3	223.3	226.0	223.0	220.1	217.3	214.5	211.7
27.5°	198.0	199.9	201.9	203.6	206.4	208.9	206.1	203.4	201.0	198.6	196.5
30°	184.9	186.2	187.7	189.2	191.8	194.2	191.8	189.2	187.5	185.6	184.1
32.5°	173.8	175.1	175.7	176.4	178.7	181.1	179.4	177.7	176.2	174.7	173.6
35°	161.6	164.2	164.6	165.0	167.4	169.7	168.7	167.4	165.7	164.0	162.0
37.5°	149.2	152.2	153.9	155.4	157.8	160.1	159.0	158.0	155.6	153.3	149.8
40°	138.7	140.0	143.2	146.2	150.1	153.7	151.6	149.2	145.6	141.9	140.2
42.5°	129.9	129.7	132.7	135.7	141.5	147.1	143.2	139.4	135.9	132.5	132.1
45°	122.2	121.6	123.1	124.6	130.8	136.8	132.9	128.9	126.9	125.0	125.0
47.5°	115.4	114.9	116.0	116.9	120.7	124.4	122.4	120.5	119.4	118.4	118.6
50°	109.2	108.7	109.8	110.7	112.2	113.5	113.9	114.1	113.5	112.8	113.2
52.5°	103.4	103.4	103.8	104.0	106.0	107.9	107.9	107.7	107.7	107.7	108.1
55°	98.5	98.9	98.9	98.9	101.9	104.7	103.8	103.0	103.2	103.2	103.6
57.5°	93.5	94.2	94.6	95.0	98.0	101.0	100.2	99.3	99.3	99.3	99.5
60°	88.0	88.8	89.7	90.5	93.5	96.5	95.7	94.6	94.8	95.0	95.3
62.5°	82.6	83.5	84.3	85.2	88.2	91.2	90.3	89.3	89.9	90.3	90.3
65°	77.5	78.1	79.0	79.8	82.6	85.4	84.6	83.7	84.6	85.2	85.6
67.5°	71.7	72.1	73.0	73.9	76.6	79.4	78.6	77.5	78.6	79.4	80.3
70°	65.1	65.5	66.6	67.4	70.2	73.0	71.9	70.9	71.9	73.0	73.9
72.5°	57.8	58.2	59.3	60.2	63.4	66.6	65.3	64.0	65.3	66.6	67.0
75°	49.9	50.3	51.6	52.7	55.9	59.1	58.0	56.7	57.8	58.9	59.1
77.5°	41.3	42.0	43.7	45.4	47.9	50.5	49.9	49.2	49.9	50.5	50.5
80°	32.3	33.0	35.1	37.0	38.5	40.0	40.2	40.5	40.7	40.9	40.7
82.5°	24.0	24.8	26.8	28.7	28.7	28.7	30.4	31.9	31.9	31.7	31.5
85°	14.8	15.8	17.6	19.3	18.2	17.1	19.9	22.5	22.5	22.3	21.8
87.5°	3.0	4.1	5.8	7.3	6.2	5.1	7.9	10.7	10.9	10.9	10.5
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



REPORT NUMBER: P386253  
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**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: P386253  
 CATALOG NUMBER: GWC-SA1D-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1368.1	1384.8	1401.2	1405.5	1411.9	1414.7	1417.3	1438.3	1459.0	1483.4	1507.8
5°	1095.8	1108.2	1120.6	1122.5	1129.2	1132.6	1136.0	1161.5	1186.7	1220.8	1254.8
7.5°	825.8	828.8	831.8	831.4	837.0	844.5	851.7	878.9	905.9	942.5	978.9
10°	625.5	632.3	639.0	645.2	657.4	671.5	685.4	713.2	741.1	777.2	813.2
12.5°	495.5	503.5	511.2	518.0	532.2	551.0	569.6	603.0	636.4	679.6	722.7
15°	404.6	403.9	403.3	408.0	420.4	441.0	461.3	496.6	531.9	579.5	626.8
17.5°	319.2	316.0	312.7	316.4	327.9	344.8	361.5	391.5	421.3	467.3	513.3
20°	258.2	256.0	253.9	257.3	264.6	271.6	278.7	300.3	321.7	359.2	396.4
22.5°	227.1	226.9	226.5	228.4	231.8	235.5	238.9	249.4	259.7	283.8	307.8
25°	208.9	208.7	208.5	209.4	212.1	214.9	217.7	224.5	231.4	243.0	254.5
27.5°	194.4	193.9	193.5	193.7	194.4	198.6	202.7	205.9	208.9	216.8	224.5
30°	182.6	182.4	182.2	182.2	181.5	183.0	184.5	189.4	194.2	202.3	210.4
32.5°	172.5	171.5	170.4	168.0	166.5	168.7	170.8	176.0	181.1	188.6	196.1
35°	159.9	157.1	154.1	152.8	153.1	155.2	157.3	162.5	167.4	175.5	183.4
37.5°	146.2	145.3	144.3	144.1	144.7	146.8	149.0	153.5	157.8	165.9	173.8
40°	138.5	138.1	137.6	137.2	137.6	139.8	141.9	146.2	150.3	158.2	165.9
42.5°	131.6	131.4	131.2	131.2	131.4	133.8	136.1	140.4	144.5	151.6	158.6
45°	125.0	125.2	125.2	125.7	126.3	128.6	130.8	135.5	140.2	147.1	153.9
47.5°	118.8	119.4	119.9	120.9	121.6	124.2	126.5	131.6	136.8	145.3	153.7
50°	113.5	114.1	114.5	115.4	117.1	120.1	123.1	129.3	135.3	149.6	163.8
52.5°	108.5	109.2	109.8	110.7	112.8	116.2	119.7	127.4	134.9	151.6	168.3
55°	104.0	104.7	105.1	106.4	108.5	111.5	114.3	123.7	133.1	145.3	157.5
57.5°	99.8	100.4	100.8	101.7	102.7	106.0	109.0	119.0	129.1	137.6	146.0
60°	95.3	95.7	95.9	95.9	96.8	100.4	104.0	116.9	129.5	128.0	126.3
62.5°	90.3	90.8	91.0	90.3	91.4	95.3	99.1	115.8	132.5	122.2	112.0
65°	85.8	85.6	85.4	84.8	86.1	89.9	93.5	101.9	110.2	106.2	102.1
67.5°	80.9	80.3	79.6	78.8	80.1	83.5	86.7	89.5	92.3	92.7	93.1
70°	74.7	73.9	73.0	72.8	73.4	76.2	79.0	80.9	82.6	83.5	84.1
72.5°	67.4	66.8	66.1	65.7	65.9	68.3	70.4	72.1	73.9	74.5	74.9
75°	59.3	59.3	59.1	57.8	57.8	59.7	61.4	62.9	64.4	65.3	66.1
77.5°	50.5	50.7	50.7	49.0	48.8	50.7	52.4	53.7	54.8	55.7	56.3
80°	40.5	40.0	39.6	38.5	38.1	40.5	42.6	43.7	44.5	44.7	44.7
82.5°	31.0	30.2	29.1	26.8	27.0	29.5	31.9	32.8	33.6	33.6	33.6
85°	21.2	19.5	17.6	15.6	15.8	18.6	21.2	22.0	22.9	23.3	23.5
87.5°	10.1	8.3	6.4	4.9	4.9	7.3	9.4	9.8	10.3	11.1	12.0
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



REPORT NUMBER: P386253  
 CATALOG NUMBER: GWC-SA1D-827-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: P386253

CATALOG NUMBER: GWC-SA1D-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1526.5	1544.9	1563.9	1583.0	1604.8	1626.6	1652.1	1677.4	1699.0	1720.6	1738.6
5°	1284.1	1313.5	1347.9	1382.4	1426.3	1470.2	1523.9	1577.4	1625.1	1672.9	1728.3
7.5°	1017.2	1055.3	1100.3	1145.2	1201.9	1258.7	1328.2	1397.8	1465.2	1532.5	1617.6
10°	853.2	893.3	937.6	981.7	1039.5	1097.1	1170.7	1244.1	1319.9	1395.5	1491.8
12.5°	767.2	811.5	850.5	889.4	936.3	983.0	1054.2	1125.5	1214.6	1303.4	1396.1
15°	675.4	723.7	770.4	817.1	868.2	919.2	988.5	1057.9	1155.3	1252.7	1359.3
17.5°	564.3	615.2	672.1	728.9	795.7	862.2	951.1	1039.9	1155.3	1270.4	1396.1
20°	448.5	500.5	568.5	636.6	719.7	802.5	917.7	1032.8	1188.2	1343.4	1503.8
22.5°	353.8	399.6	473.9	548.0	643.9	739.8	887.5	1035.0	1238.1	1441.0	1657.5
25°	286.8	319.2	392.2	464.9	575.6	686.3	869.1	1051.7	1310.7	1569.5	1837.9
27.5°	245.7	266.9	335.0	402.9	523.8	644.5	861.6	1078.4	1402.7	1727.0	2034.2
30°	225.2	240.0	297.5	354.9	477.8	600.7	852.6	1104.5	1491.4	1877.9	2187.7
32.5°	208.1	219.8	269.1	318.1	438.0	557.8	835.3	1112.5	1553.2	1994.0	2317.6
35°	193.5	203.4	246.2	289.0	406.7	524.4	806.1	1087.9	1592.0	2096.1	2452.9
37.5°	181.7	189.4	229.0	268.6	379.7	490.8	773.0	1055.1	1626.4	2197.7	2605.1
40°	172.5	179.2	216.2	253.2	354.1	454.9	744.5	1033.9	1673.9	2314.0	2765.9
42.5°	167.4	176.0	205.1	234.0	329.7	425.3	721.6	1017.9	1718.0	2418.0	2906.5
45°	166.1	178.3	199.3	220.3	311.5	402.6	701.3	999.7	1746.5	2493.4	3012.5
47.5°	164.0	174.0	194.8	215.6	302.5	389.2	690.3	991.3	1775.0	2558.4	3100.4
50°	165.3	166.5	191.2	215.6	301.2	386.8	702.8	1018.7	1836.6	2654.3	3201.0
52.5°	162.9	157.3	184.3	211.3	301.0	390.7	738.5	1086.4	1951.2	2815.7	3310.0
55°	150.5	143.2	171.5	199.7	296.5	393.0	781.1	1169.0	2104.8	3040.5	3505.9
57.5°	139.6	132.9	156.9	180.7	282.8	384.9	825.0	1264.9	2267.3	3269.5	3726.6
60°	125.0	123.5	140.6	157.8	261.6	365.2	861.2	1356.9	2376.5	3395.8	3811.5
62.5°	113.0	113.9	126.5	139.1	235.0	330.7	873.1	1415.4	2373.5	3331.6	3725.9
65°	103.8	105.3	117.7	130.1	212.3	294.5	833.8	1372.8	2253.4	3133.8	3556.6
67.5°	94.8	96.5	111.3	125.9	192.2	258.4	735.3	1212.0	2037.4	2862.6	3341.3
70°	86.3	88.4	104.5	120.5	177.7	234.6	608.4	982.1	1767.1	2551.8	3091.9
72.5°	77.1	79.2	96.3	113.5	168.5	223.3	496.0	768.5	1434.0	2099.3	2644.7
75°	67.6	69.1	87.8	106.2	155.8	205.5	389.2	572.6	1097.5	1622.4	1997.6
77.5°	58.2	60.2	75.8	91.2	132.3	173.2	293.3	413.3	805.3	1197.0	1389.2
80°	46.5	48.2	59.3	70.2	102.1	133.8	201.6	269.5	554.2	838.9	947.2
82.5°	35.5	37.5	45.0	52.2	72.8	93.3	122.2	151.1	368.2	585.0	594.0
85°	24.4	25.0	30.4	35.5	45.0	54.4	70.0	85.6	243.6	401.6	334.6
87.5°	12.2	12.2	15.8	19.5	24.2	28.9	37.0	45.0	77.9	110.9	63.8
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



REPORT NUMBER: P386253  
 CATALOG NUMBER: GWC-SA1D-827-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: P386253

CATALOG NUMBER: GWC-SA1D-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1761.5	1777.1	1793.0	1804.9	1817.2	1834.7	1852.3	1855.5	1858.9	1852.0	1845.2
5°	1784.2	1831.5	1879.0	1922.9	1966.8	1993.1	2019.4	2024.8	2030.1	2013.7	1997.0
7.5°	1700.1	1782.5	1864.9	1940.4	2016.0	2061.8	2107.8	2118.1	2128.6	2101.6	2074.7
10°	1587.7	1688.9	1790.2	1889.7	1989.3	2055.8	2122.4	2135.7	2148.9	2115.3	2081.7
12.5°	1500.8	1608.9	1717.0	1821.9	1927.0	1995.9	2064.8	2081.3	2097.8	2073.4	2048.8
15°	1474.0	1575.7	1677.4	1768.8	1860.4	1916.7	1973.2	1979.8	1986.7	1982.8	1979.0
17.5°	1522.6	1614.4	1706.5	1756.1	1806.0	1828.5	1851.2	1858.5	1866.0	1875.6	1885.4
20°	1640.3	1705.0	1769.8	1767.7	1765.3	1754.4	1743.3	1741.4	1739.4	1767.1	1794.9
22.5°	1816.1	1841.8	1867.7	1807.5	1747.4	1710.8	1673.9	1666.7	1659.2	1688.5	1718.0
25°	2006.8	2002.1	1997.2	1882.7	1767.9	1698.1	1628.4	1620.2	1612.1	1637.1	1662.4
27.5°	2195.6	2164.8	2134.0	1978.3	1822.7	1721.5	1620.2	1612.1	1603.9	1626.2	1648.5
30°	2334.1	2284.7	2235.2	2059.0	1882.9	1762.6	1642.3	1629.0	1615.5	1642.9	1670.3
32.5°	2442.2	2375.8	2309.5	2124.5	1939.6	1809.4	1679.3	1658.5	1637.8	1674.4	1711.0
35°	2550.1	2456.8	2363.2	2183.0	2002.5	1864.9	1727.0	1701.6	1676.1	1726.4	1776.7
37.5°	2685.8	2551.8	2417.6	2248.7	2079.8	1947.9	1815.9	1789.8	1763.6	1827.6	1891.9
40°	2833.1	2654.3	2475.6	2320.6	2165.6	2062.9	1959.9	1935.1	1910.1	1988.0	2065.9
42.5°	2955.5	2749.8	2544.1	2407.3	2270.3	2198.0	2125.4	2125.2	2124.8	2203.7	2282.7
45°	3055.1	2829.4	2603.6	2491.9	2379.9	2342.2	2304.6	2334.7	2364.9	2436.2	2507.7
47.5°	3129.3	2896.2	2662.9	2588.6	2514.3	2519.9	2525.5	2586.9	2648.3	2694.2	2740.2
50°	3177.7	2956.8	2735.7	2712.8	2689.9	2739.7	2789.8	2860.3	2930.9	2962.2	2993.4
52.5°	3248.1	3039.0	2829.7	2855.3	2881.0	2982.9	3084.8	3156.1	3227.4	3238.9	3250.7
55°	3411.0	3190.1	2969.0	3018.2	3067.7	3217.1	3366.7	3422.4	3478.0	3482.3	3486.6
57.5°	3642.4	3401.8	3161.2	3214.3	3267.4	3439.9	3612.7	3672.6	3732.8	3724.4	3715.9
60°	3815.6	3602.8	3389.8	3443.4	3496.9	3665.1	3833.4	3902.3	3971.4	3953.0	3934.6
62.5°	3826.3	3712.6	3598.8	3647.1	3695.7	3860.6	4025.4	4096.2	4167.1	4135.0	4102.9
65°	3656.1	3707.1	3758.0	3774.1	3790.1	3943.8	4097.7	4151.9	4206.3	4190.0	4173.7
67.5°	3421.7	3609.5	3797.4	3765.1	3732.8	3804.9	3877.0	3932.9	3988.8	3979.6	3970.2
70°	3187.8	3438.4	3689.1	3530.3	3371.2	3341.5	3311.7	3371.9	3432.2	3395.0	3357.5
72.5°	2789.4	3056.6	3323.9	3031.3	2738.7	2637.0	2535.3	2611.7	2688.2	2628.9	2569.4
75°	2189.6	2484.8	2780.2	2431.1	2081.9	1946.2	1810.5	1876.2	1941.9	1901.3	1860.4
77.5°	1630.1	1921.0	2211.9	1857.0	1501.8	1401.0	1300.0	1319.5	1339.2	1332.3	1325.2
80°	1105.6	1308.3	1511.3	1274.9	1038.6	1046.3	1054.2	1045.0	1035.6	1049.3	1063.0
82.5°	705.5	862.0	1018.7	893.3	767.8	839.8	911.7	876.4	840.8	853.9	867.2
85°	402.6	555.7	709.0	660.8	612.4	654.4	696.5	641.8	587.0	610.9	635.1
87.5°	106.2	307.4	508.8	461.9	415.1	360.7	306.3	233.8	161.2	235.5	309.7
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



REPORT NUMBER: P386253  
 CATALOG NUMBER: GWC-SA1D-827-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: P386253

CATALOG NUMBER: GWC-SA1D-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1	1631.1
2.5°	1841.6	1837.9	1824.9	1811.6	1791.9	1775.6	1747.4
5°	1973.8	1950.7	1910.9	1870.9	1826.4	1775.2	1718.5
7.5°	2020.7	1966.6	1890.1	1813.5	1744.6	1663.7	1588.3
10°	2000.8	1919.7	1820.4	1720.8	1637.1	1544.0	1460.3
12.5°	1962.7	1876.4	1767.1	1657.5	1562.2	1462.2	1368.5
15°	1910.3	1841.3	1738.8	1636.3	1540.4	1443.2	1332.1
17.5°	1852.9	1820.1	1746.1	1671.8	1588.7	1494.6	1364.2
20°	1806.7	1818.6	1789.1	1759.6	1693.0	1610.8	1464.4
22.5°	1775.4	1833.0	1855.7	1878.6	1838.6	1774.3	1605.0
25°	1757.9	1853.3	1929.3	2005.5	1987.8	1938.3	1775.8
27.5°	1765.6	1882.7	2000.6	2118.8	2135.2	2121.5	1955.9
30°	1788.7	1907.3	2050.9	2194.8	2260.5	2278.9	2105.9
32.5°	1827.2	1943.4	2099.9	2256.6	2355.9	2414.6	2243.1
35°	1885.4	1994.2	2157.3	2320.4	2448.8	2555.9	2384.8
37.5°	1985.4	2078.9	2229.4	2380.1	2546.7	2707.4	2540.9
40°	2131.8	2198.0	2325.1	2452.5	2662.0	2879.1	2714.9
42.5°	2316.6	2350.6	2451.4	2552.2	2782.6	3034.9	2885.1
45°	2516.7	2525.7	2589.0	2652.6	2878.0	3141.1	3012.9
47.5°	2709.4	2678.5	2703.8	2729.0	2951.2	3216.9	3109.9
50°	2907.6	2821.7	2808.5	2795.2	3024.4	3306.1	3233.2
52.5°	3109.2	2967.7	2915.3	2862.6	3111.8	3424.5	3386.6
55°	3306.6	3126.6	3055.9	2985.3	3245.4	3569.0	3612.0
57.5°	3511.9	3307.9	3242.4	3176.9	3441.6	3752.0	3814.3
60°	3732.8	3530.7	3478.3	3425.6	3685.7	3949.8	3904.4
62.5°	3942.3	3781.8	3754.2	3726.3	3932.5	4101.8	3869.3
65°	4082.3	3990.7	4016.4	4042.3	4119.1	4139.7	3766.6
67.5°	3988.8	4007.4	4115.9	4224.7	4171.8	4027.1	3564.1
70°	3469.0	3580.8	3837.9	4095.2	3977.9	3725.5	3200.6
72.5°	2694.8	2820.4	3202.1	3584.0	3475.9	3166.8	2628.9
75°	2002.1	2144.0	2565.3	2986.6	2836.5	2368.8	1882.2
77.5°	1420.3	1515.3	1931.2	2347.4	2102.7	1576.8	1266.6
80°	1033.9	1004.8	1236.6	1468.4	1427.8	1042.9	813.4
82.5°	796.1	725.0	834.2	943.4	937.4	723.7	596.8
85°	606.6	578.2	674.7	771.3	688.6	490.2	379.3
87.5°	353.6	397.7	511.4	625.3	469.2	148.8	73.6
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



REPORT NUMBER: P386253  
 CATALOG NUMBER: GWC-SA1D-827-U-SLR

**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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







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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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





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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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





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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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report





110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Signify Classified - Internal  
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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)