

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: P386196

Luminaire Tested: GAW-SA1D-750-U-SLR-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386196  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1D-750-U-SLR-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6143 lumens  
Efficiency: N/A  
Efficacy: 91.7 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

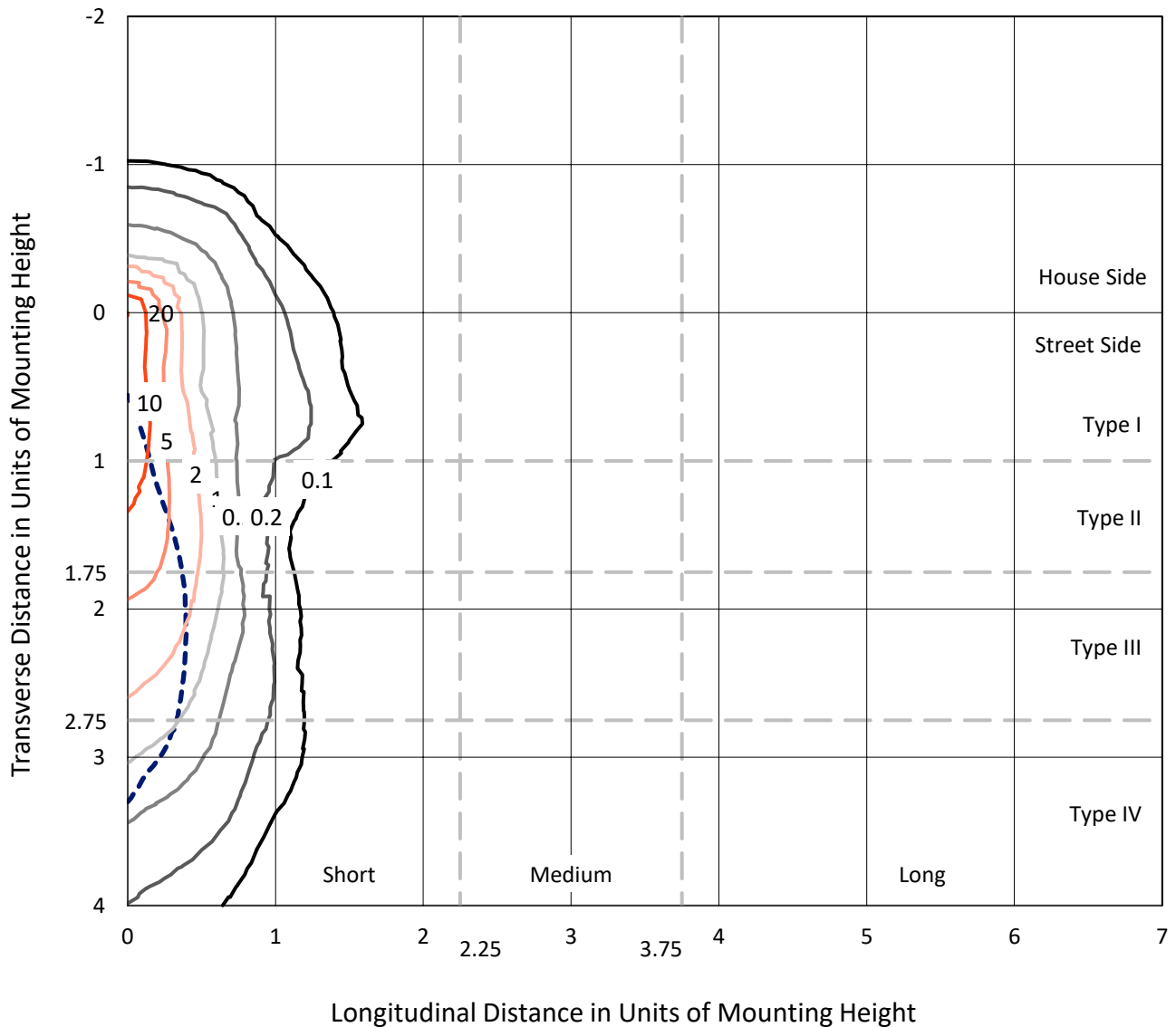
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P386196  
 CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

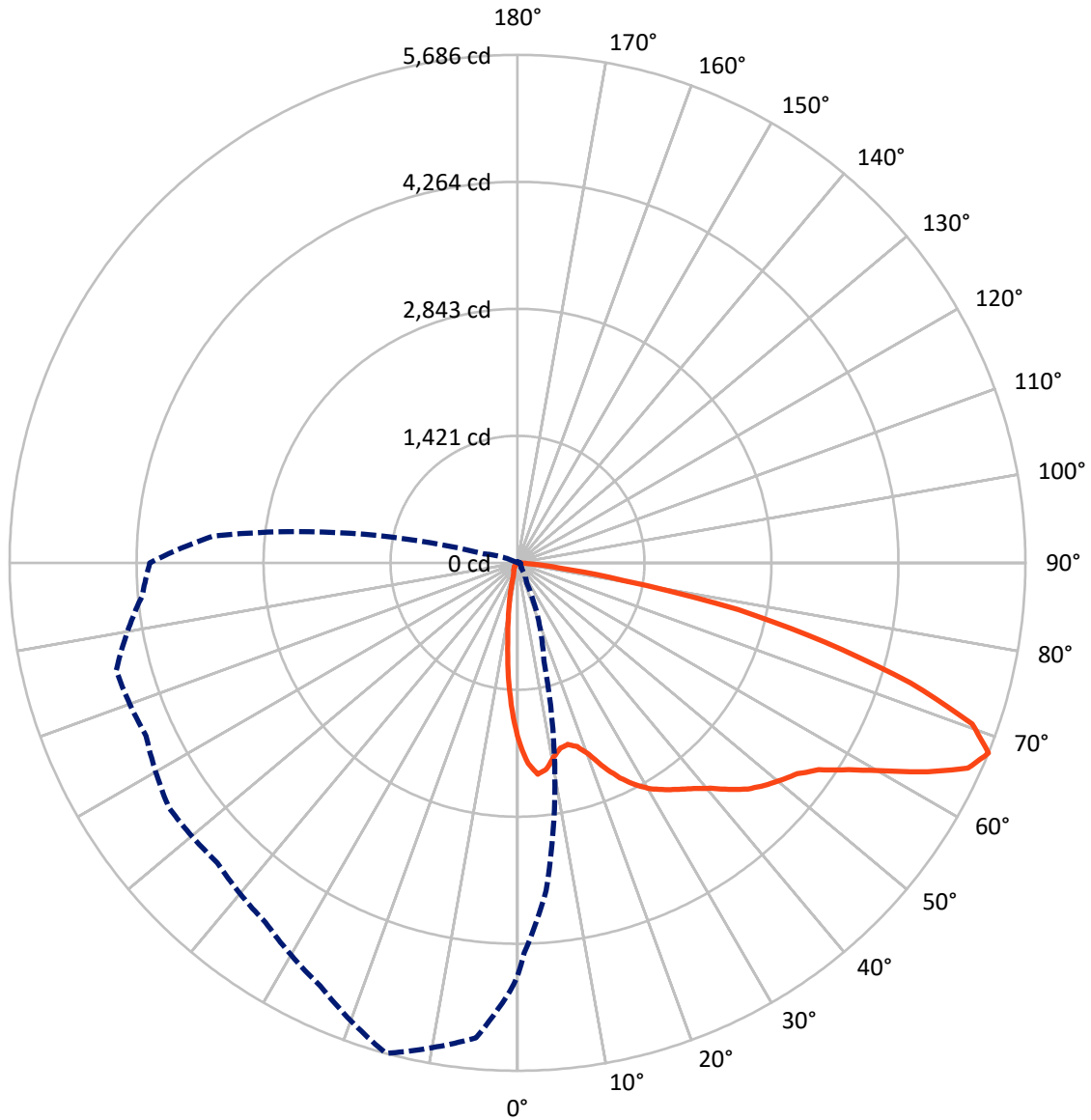
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P386196  
CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P386196  
 CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

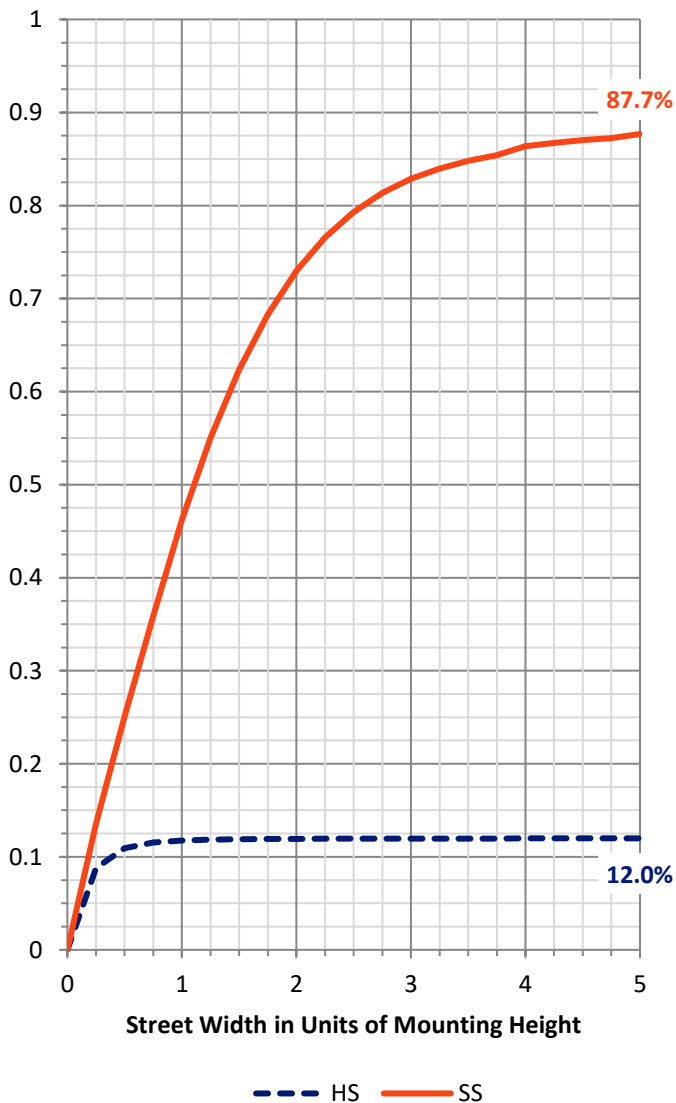
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	743.5	0.0	743.5
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	5399.5	0.0	5399.5
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	6143.0	0.0	6143.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.6	2.5
10°-20°	305.7	5.0
20°-30°	434.1	7.1
30°-40°	641.2	10.4
40°-50°	924.7	15.1
50°-60°	1298.1	21.1
60°-70°	1513.2	24.6
70°-80°	773.6	12.6
80°-90°	98.8	1.6
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°	6143.0	100.0
0°-180°	6143.0	100.0

**Coefficient of Utilization**

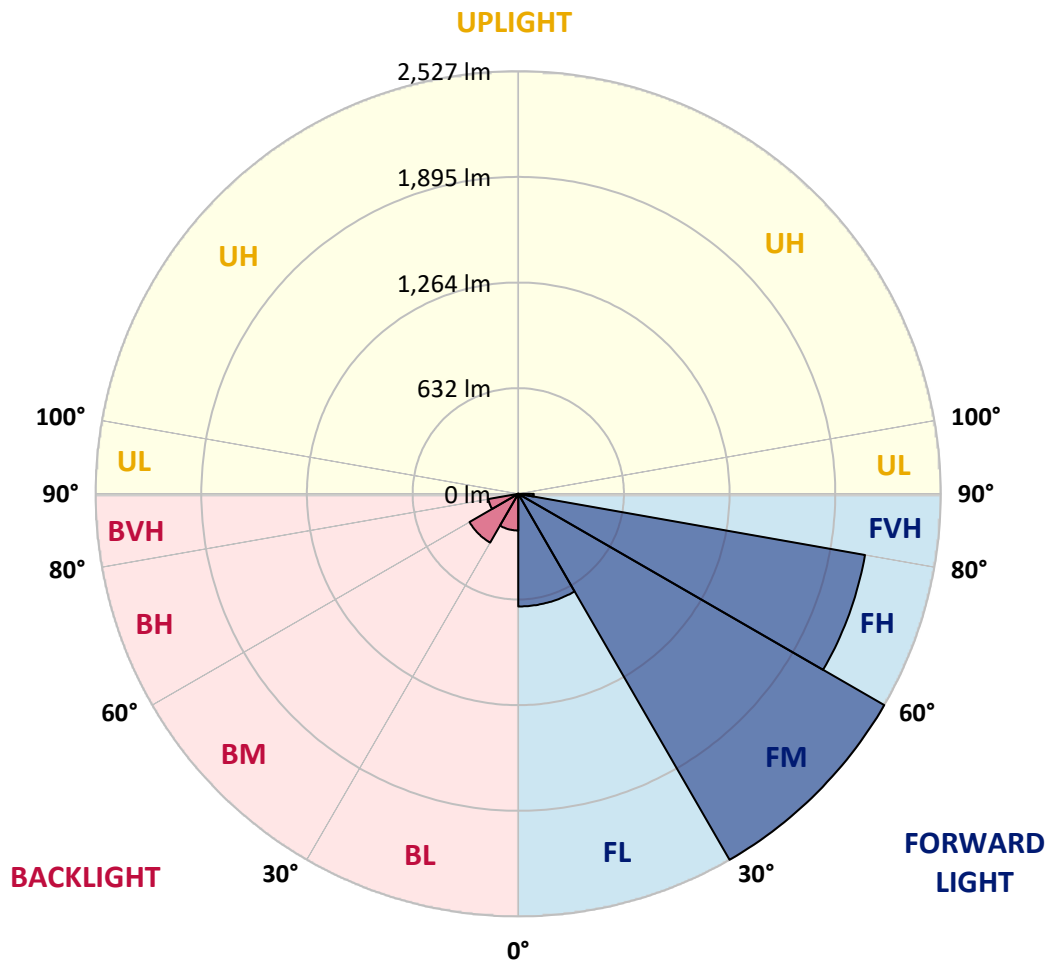


REPORT NUMBER: P386196  
 CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.8	11.0			
FM (30°-60°)	2527.3	41.1			
FH (60°-80°)	2105.6	34.3			G2/5000
FVH (80°-90°)	92.8	1.5			G1/100
BL (0°-30°)	219.6	3.6	B1/500		
BM (30°-60°)	336.7	5.5	B1/1000		
BH (60°-80°)	181.2	2.9	B1/500		G1/500
BVH (80°-90°)	6.0	0.1			G0/10
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





REPORT NUMBER: P386196

CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1
2.5°	2191.1	2174.2	2155.6	2094.8	2038.3	1973.7	1921.0	1884.4	1838.4	1778.7	1763.6
5°	2175.4	2157.3	2098.9	1963.5	1845.1	1729.8	1618.7	1553.5	1472.6	1390.5	1370.1
7.5°	2017.4	1998.5	1914.1	1728.7	1569.2	1402.7	1258.4	1169.0	1077.7	1002.6	962.7
10°	1852.9	1832.3	1737.4	1512.4	1316.0	1165.5	1059.6	974.3	887.9	807.6	743.6
12.5°	1739.7	1712.7	1609.6	1354.7	1183.6	1081.4	982.5	880.3	763.4	677.2	606.8
15°	1692.3	1661.4	1552.6	1293.9	1136.7	1016.8	887.9	762.5	625.4	526.8	462.1
17.5°	1729.0	1688.8	1572.1	1289.8	1077.9	914.7	751.7	604.5	455.7	355.9	309.9
20°	1853.5	1800.8	1652.7	1288.6	1006.6	793.3	586.7	420.2	300.3	241.5	217.4
22.5°	2049.7	1980.1	1768.5	1298.0	933.0	665.9	423.7	285.5	225.5	195.0	180.7
25°	2286.6	2206.0	1935.3	1330.8	868.4	541.9	307.9	225.5	190.3	167.9	156.0
27.5°	2511.8	2446.3	2146.0	1378.3	818.4	441.8	250.0	191.2	162.7	147.8	138.2
30°	2736.8	2654.4	2362.2	1434.7	758.1	374.0	219.7	174.3	145.8	130.1	124.0
32.5°	2900.3	2831.9	2531.6	1475.5	693.8	329.7	196.4	159.5	136.2	120.2	111.2
35°	3092.7	3015.3	2676.8	1484.5	652.5	301.8	176.7	143.5	118.2	103.9	94.3
37.5°	3300.5	3204.2	2844.5	1464.7	620.2	288.1	161.8	136.2	110.3	95.7	85.6
40°	3530.4	3421.6	3005.4	1436.2	588.4	283.5	150.5	130.7	104.2	89.3	78.9
42.5°	3772.5	3644.2	3144.8	1406.2	568.4	267.4	149.3	125.1	99.5	83.5	73.0
45°	3975.9	3845.9	3288.0	1396.3	554.1	250.0	154.2	121.4	96.3	78.9	68.7
47.5°	4138.0	4014.9	3434.6	1418.4	546.0	234.0	140.6	126.3	94.6	74.8	64.9
50°	4331.6	4192.2	3641.3	1484.5	534.0	218.0	127.2	144.6	94.6	72.2	61.7
52.5°	4574.3	4436.3	3871.8	1586.9	510.2	195.9	114.4	144.9	95.5	68.7	57.6
55°	4879.6	4779.5	4200.9	1699.3	472.0	163.3	98.9	124.6	92.0	62.3	53.8
57.5°	5172.3	5090.6	4501.0	1776.1	421.1	127.5	86.1	100.4	84.1	54.7	48.0
59°	5252.4	5163.0	4611.0	1779.6	383.0	111.2	79.7	82.9	82.4	51.2	44.5
60°	5252.4	5157.5	4642.7	1761.0	355.3	102.1	75.7	73.9	85.9	48.9	42.5
62.5°	5157.2	5023.9	4539.7	1635.0	289.9	87.0	66.1	61.1	77.1	43.9	37.5
65°	4959.3	4765.2	4188.7	1407.1	258.4	79.7	57.0	50.1	53.5	38.7	32.9
67.5°	4629.3	4366.2	3682.6	1136.7	245.9	77.7	49.2	42.5	40.5	33.2	28.8
70°	4048.1	3756.2	3068.3	893.7	235.1	76.8	41.3	35.8	32.6	27.9	24.4
72.5°	2946.3	2641.9	2178.3	698.7	228.7	78.6	33.2	30.0	26.8	21.8	18.9
75°	1685.3	1486.0	1224.3	461.6	195.0	75.1	25.6	25.0	19.2	15.7	13.1
77.5°	870.7	844.3	733.7	177.2	93.4	32.9	16.9	14.6	11.3	9.6	7.9
80°	375.7	371.6	321.6	51.2	24.7	18.3	9.6	6.1	5.2	4.1	3.2
82.5°	129.8	129.8	114.4	17.2	11.1	9.0	1.2	0.0	0.0	0.0	0.0
85°	26.2	29.4	20.7	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386196

CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1
2.5°	1745.3	1710.0	1707.7	1685.6	1658.0	1645.4	1638.2	1651.0	1666.7	1668.4	1692.0
5°	1354.7	1317.7	1333.2	1293.9	1301.7	1293.9	1281.1	1283.4	1290.4	1268.6	1295.6
7.5°	951.4	923.4	941.2	930.7	944.7	950.2	942.3	930.7	896.3	892.3	915.8
10°	717.1	685.4	666.4	646.7	651.0	660.0	657.1	648.7	626.9	628.0	650.7
12.5°	576.2	540.7	503.2	454.6	442.6	449.3	442.6	437.7	416.7	418.5	438.6
15°	437.1	408.0	368.7	329.7	308.5	310.5	291.9	278.8	265.7	250.0	262.2
17.5°	295.1	277.3	265.7	254.1	228.7	222.9	199.4	174.0	164.1	156.9	162.1
20°	209.0	199.4	194.7	194.1	179.6	172.3	149.3	133.6	128.6	127.2	130.4
22.5°	174.6	167.6	160.9	157.2	149.9	141.4	124.0	116.1	112.6	110.9	113.2
25°	151.9	146.7	139.7	133.3	130.4	121.4	108.8	103.0	100.7	98.9	100.1
27.5°	135.0	130.4	122.2	118.2	115.8	108.0	97.2	92.5	90.5	89.9	89.6
30°	121.6	117.3	109.7	105.1	101.0	94.0	87.6	82.9	80.9	80.3	79.7
32.5°	108.3	104.8	99.8	95.2	90.8	84.4	78.9	75.1	71.9	71.3	71.0
35°	91.4	87.9	85.3	85.0	80.9	74.8	70.7	65.8	63.2	62.3	62.6
37.5°	81.2	76.5	70.7	72.8	71.6	67.2	61.7	56.7	54.1	53.5	53.5
40°	74.8	69.8	63.2	59.7	63.2	62.3	53.5	48.6	46.0	45.7	45.1
42.5°	68.7	63.7	56.2	50.3	52.1	54.7	46.3	41.6	39.0	38.4	37.5
45°	64.3	59.1	50.6	43.9	40.5	46.0	39.6	33.8	32.3	31.1	30.6
47.5°	60.2	55.3	45.7	38.1	32.3	33.2	31.7	27.6	25.9	24.7	24.4
50°	56.7	51.5	41.3	32.6	26.8	24.4	25.6	21.8	20.4	19.2	18.6
52.5°	52.7	47.7	36.7	28.2	22.4	19.2	19.5	17.2	15.7	14.8	14.6
55°	49.5	44.5	32.9	24.7	19.8	15.7	14.0	13.4	12.5	11.9	11.6
57.5°	45.1	40.5	29.1	21.0	16.9	12.8	10.8	10.8	10.5	9.9	9.6
59°	42.5	38.4	26.8	18.9	15.4	11.1	9.6	9.9	9.6	9.0	8.7
60°	40.5	36.7	25.0	17.5	14.6	10.2	8.7	9.3	9.0	8.4	8.1
62.5°	35.8	33.2	21.5	14.6	12.8	8.1	7.3	7.9	7.9	7.6	7.3
65°	31.4	28.5	18.3	12.2	11.9	7.0	5.8	7.0	7.3	6.7	6.1
67.5°	27.4	24.4	16.0	9.9	11.1	5.5	4.4	5.8	7.9	6.1	5.5
70°	23.3	20.4	12.5	7.9	11.6	3.8	3.5	5.2	9.3	6.7	5.2
72.5°	18.0	15.7	8.7	5.8	12.5	2.6	2.6	4.4	10.5	7.3	4.9
75°	12.5	10.2	5.2	3.5	10.2	1.7	1.7	4.1	9.9	6.7	4.7
77.5°	7.3	5.5	1.7	0.3	5.2	0.0	0.3	2.9	7.0	4.1	2.0
80°	2.6	1.2	0.0	0.0	3.2	0.0	0.0	0.0	0.6	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P386196

CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1
2.5°	1698.1	1737.4	1772.6	1825.9	1889.0	1961.8	2024.4	2091.6	2154.7	2180.9	2199.0
5°	1301.2	1349.8	1406.5	1484.8	1589.0	1717.3	1837.5	1973.4	2119.5	2192.6	2261.2
7.5°	919.9	969.4	1039.8	1123.1	1249.1	1401.9	1559.0	1746.7	1944.6	2060.1	2173.9
10°	661.5	722.3	788.1	901.9	1029.9	1174.9	1336.7	1546.2	1766.8	1894.8	2031.9
12.5°	450.2	519.5	619.0	746.5	896.9	1039.0	1179.5	1379.4	1635.5	1762.4	1909.4
15°	270.1	308.5	413.8	561.4	745.9	922.8	1076.8	1277.3	1550.3	1705.7	1858.5
17.5°	166.5	184.2	241.5	362.6	556.4	780.2	991.2	1242.7	1562.5	1751.7	1915.2
20°	132.7	139.7	158.0	214.2	368.7	623.1	894.9	1235.7	1662.3	1895.1	2070.6
22.5°	115.2	121.9	134.2	155.7	231.9	466.5	803.5	1242.1	1805.5	2110.2	2315.1
25°	101.6	107.4	119.0	136.8	170.0	328.6	705.7	1270.6	1992.0	2377.1	2594.8
27.5°	90.8	95.7	106.5	122.8	145.8	229.3	594.9	1305.2	2213.2	2650.1	2864.8
30°	80.9	85.3	94.9	110.0	126.6	176.4	473.2	1328.8	2434.7	2864.8	3057.8
32.5°	72.5	75.7	84.4	97.2	110.0	140.6	359.7	1325.0	2599.1	3043.5	3196.6
35°	63.7	66.9	74.5	85.6	95.7	116.1	282.9	1254.3	2742.3	3228.9	3355.5
37.5°	54.1	58.2	65.5	75.4	82.4	102.1	228.7	1169.0	2887.5	3440.8	3532.7
40°	46.0	50.1	56.5	67.2	71.6	96.9	175.8	1065.1	3050.8	3677.7	3727.1
42.5°	38.1	41.9	48.6	57.9	67.5	83.5	130.1	946.4	3207.7	3880.2	3904.4
45°	30.8	34.6	41.6	50.9	72.2	69.3	100.7	819.2	3334.2	4048.7	4056.6
47.5°	24.4	27.9	35.2	48.0	67.2	55.3	71.9	719.4	3440.5	4180.2	4159.6
50°	18.9	21.8	29.4	55.0	58.8	45.7	54.4	686.2	3535.6	4261.7	4208.2
52.5°	14.8	17.5	24.2	51.5	45.7	37.8	45.7	717.4	3666.0	4329.3	4235.5
55°	11.9	14.6	18.9	29.4	31.1	32.0	39.0	746.5	3891.0	4487.6	4397.1
57.5°	9.9	12.5	15.4	20.7	23.6	27.1	34.6	749.7	4156.1	4750.7	4665.1
59°	9.0	11.3	14.0	18.3	20.7	24.7	32.6	732.2	4249.5	4846.4	4803.6
60°	8.4	10.8	13.1	16.9	19.2	23.3	31.4	715.6	4253.6	4842.9	4862.7
62.5°	7.3	9.6	11.6	14.3	16.3	19.8	28.2	654.2	4081.3	4684.3	4827.2
65°	6.4	8.4	10.5	12.2	14.0	17.8	25.6	542.2	3787.1	4428.5	4584.2
67.5°	5.8	7.3	9.6	10.8	12.5	15.7	22.7	386.5	3419.5	4115.6	4216.6
70°	5.2	7.0	8.7	9.9	11.3	13.7	19.5	222.1	2887.5	3657.6	3729.5
72.5°	4.9	6.7	7.9	9.3	10.2	12.2	17.8	104.5	2114.3	2930.0	3117.7
75°	4.4	6.1	7.3	8.7	9.6	11.1	15.1	50.1	1406.2	2120.4	2333.7
77.5°	2.6	4.9	6.7	7.9	8.4	9.6	12.5	28.8	897.5	1467.6	1728.7
80°	0.0	1.7	4.9	6.7	7.3	8.1	9.6	22.7	480.2	838.4	1006.4
82.5°	0.0	0.0	3.5	5.2	4.9	5.5	7.3	14.3	216.5	548.0	617.5
85°	0.0	0.0	1.2	4.1	3.5	2.6	4.9	4.9	47.4	277.3	346.0
87.5°	0.0	0.0	0.0	0.3	1.7	1.2	2.0	0.6	0.3	20.7	83.8
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: P386196

CATALOG NUMBER: GAW-SA1D-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1	2001.1
2.5°	2262.1	2283.7	2320.0	2337.2	2328.8	2293.0	2250.2	2206.5	2180.9	2191.1
5°	2401.2	2512.1	2576.1	2597.4	2561.9	2481.5	2376.5	2238.0	2188.8	2175.4
7.5°	2401.2	2609.9	2742.0	2765.3	2686.1	2528.7	2331.7	2115.4	2043.6	2017.4
10°	2316.8	2600.9	2785.1	2822.0	2711.5	2476.0	2212.1	1965.3	1880.0	1852.9
12.5°	2221.7	2527.5	2721.6	2772.6	2681.8	2423.6	2129.1	1863.7	1763.3	1739.7
15°	2163.2	2437.3	2598.0	2634.9	2596.5	2393.1	2109.3	1833.2	1715.0	1692.3
17.5°	2184.1	2367.5	2425.4	2446.9	2472.8	2382.3	2163.2	1900.1	1750.5	1729.0
20°	2263.0	2293.8	2263.9	2290.9	2360.8	2392.8	2291.5	2061.9	1882.3	1853.5
22.5°	2396.9	2255.7	2171.6	2182.4	2267.4	2427.4	2487.7	2293.0	2085.8	2049.7
25°	2552.8	2286.6	2120.4	2110.8	2198.1	2473.1	2666.9	2544.4	2326.4	2286.6
27.5°	2749.0	2355.8	2109.9	2100.3	2173.9	2515.9	2815.9	2792.9	2579.9	2511.8
30°	2900.3	2423.9	2141.1	2118.9	2198.1	2545.6	2935.5	3003.9	2781.9	2736.8
32.5°	3008.9	2504.2	2191.7	2159.7	2266.2	2596.8	3027.8	3197.2	2968.7	2900.3
35°	3091.5	2591.6	2273.5	2220.8	2359.9	2674.5	3114.2	3402.9	3167.5	3092.7
37.5°	3168.9	2714.1	2401.2	2338.4	2506.9	2799.6	3205.6	3636.3	3389.8	3300.5
40°	3276.9	2852.9	2598.2	2542.4	2753.9	2970.2	3319.7	3879.6	3642.7	3530.4
42.5°	3384.9	3001.9	2799.9	2815.1	3062.1	3177.4	3467.0	4136.9	3892.4	3772.5
45°	3483.5	3155.6	3087.2	3157.0	3348.2	3404.7	3613.3	4285.6	4091.8	3975.9
47.5°	3571.4	3347.6	3372.7	3558.6	3673.6	3610.4	3722.8	4413.9	4240.2	4138.0
50°	3673.6	3596.2	3749.0	4012.0	4048.1	3796.7	3822.3	4565.9	4413.6	4331.6
52.5°	3785.3	3858.1	4165.7	4397.6	4386.0	3998.9	3922.4	4736.1	4651.4	4574.3
55°	3912.2	4069.7	4532.7	4758.5	4748.6	4224.8	4088.3	4946.5	4949.4	4879.6
57.5°	4100.5	4251.8	4781.8	5050.4	5067.0	4485.5	4369.4	5182.2	5218.9	5172.3
59°	4235.5	4370.0	4880.4	5172.3	5239.9	4687.2	4574.9	5319.0	5294.9	5252.4
60°	4335.7	4445.1	4929.3	5236.1	5340.3	4824.0	4726.5	5399.3	5303.9	5252.4
62.5°	4583.3	4608.6	5017.5	5308.3	5455.8	5127.8	5153.1	5536.1	5241.3	5157.2
65°	4698.8	4711.9	5016.4	5179.0	5344.0	5364.4	5540.2	5540.2	5088.5	4959.3
67.5°	4650.5	4587.4	4767.5	4750.7	4915.4	5223.9	5685.7	5337.1	4796.3	4629.3
70°	4257.7	4014.7	3934.6	3941.9	4067.9	4543.7	5397.6	4739.3	4243.4	4048.1
72.5°	3542.6	2959.7	2762.1	2987.6	3020.5	3492.0	4599.9	3569.1	3129.4	2946.3
75°	2849.4	2086.3	1765.1	2003.1	2059.0	2555.5	3558.3	2222.8	1827.9	1685.3
77.5°	2047.1	1497.6	1266.5	1249.9	1322.1	1620.7	2524.9	1118.7	933.0	870.7
80°	1162.9	985.7	1061.4	1001.4	1037.8	1013.3	1199.6	490.7	401.9	375.7
82.5°	701.9	582.6	630.9	525.3	664.7	578.8	462.1	157.2	136.5	129.8
85°	456.6	318.4	165.9	111.2	229.0	369.9	103.3	42.8	32.9	26.2
87.5°	157.4	81.2	8.1	3.5	24.4	69.0	3.8	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

(END OF REPORT)