

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: P386922

Luminaire Tested: GAW-SA2C-827-U-SLL-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-827-U-SLL-HSS
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8044 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

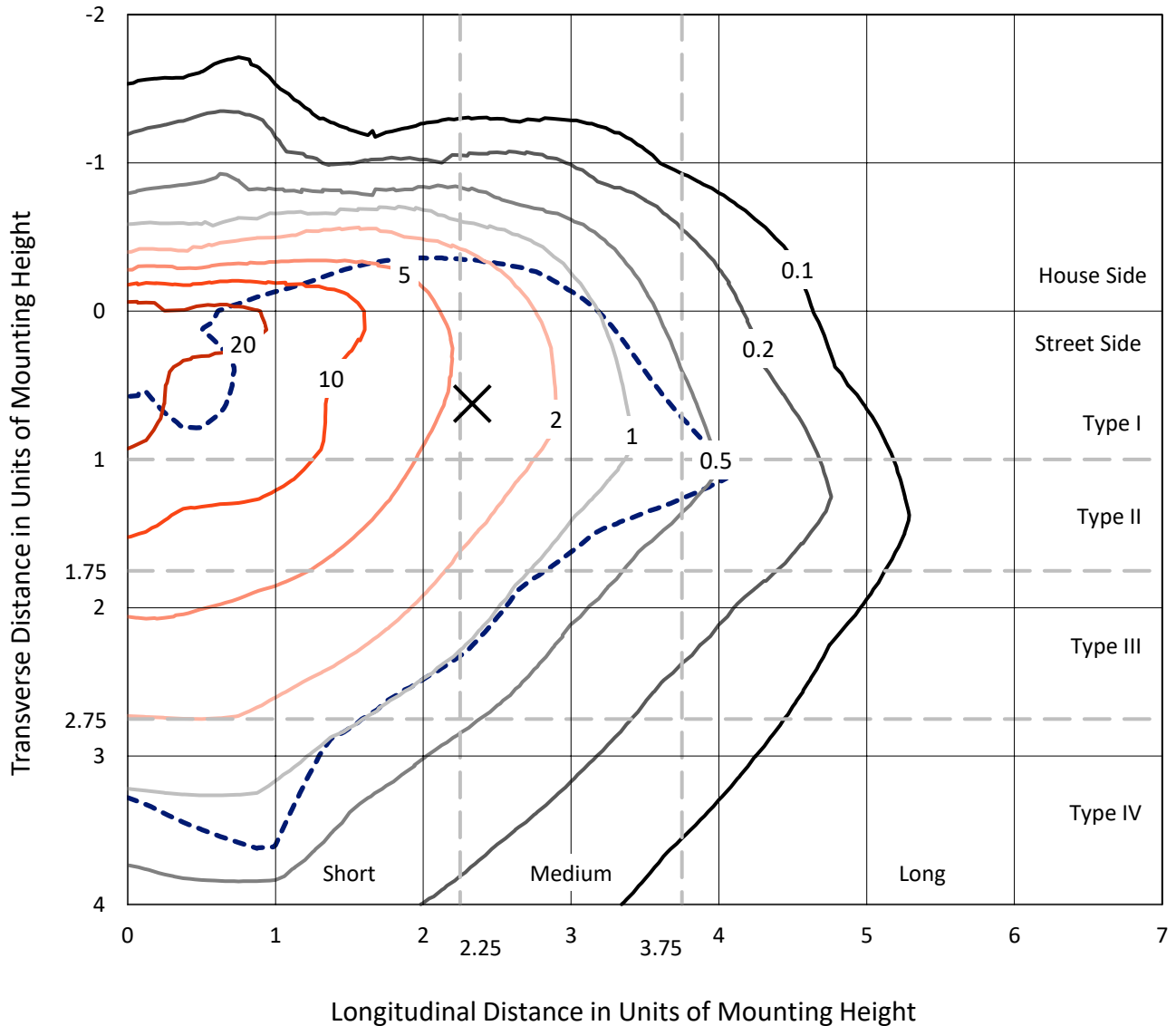
Input Watts (W): 111
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386922
 CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

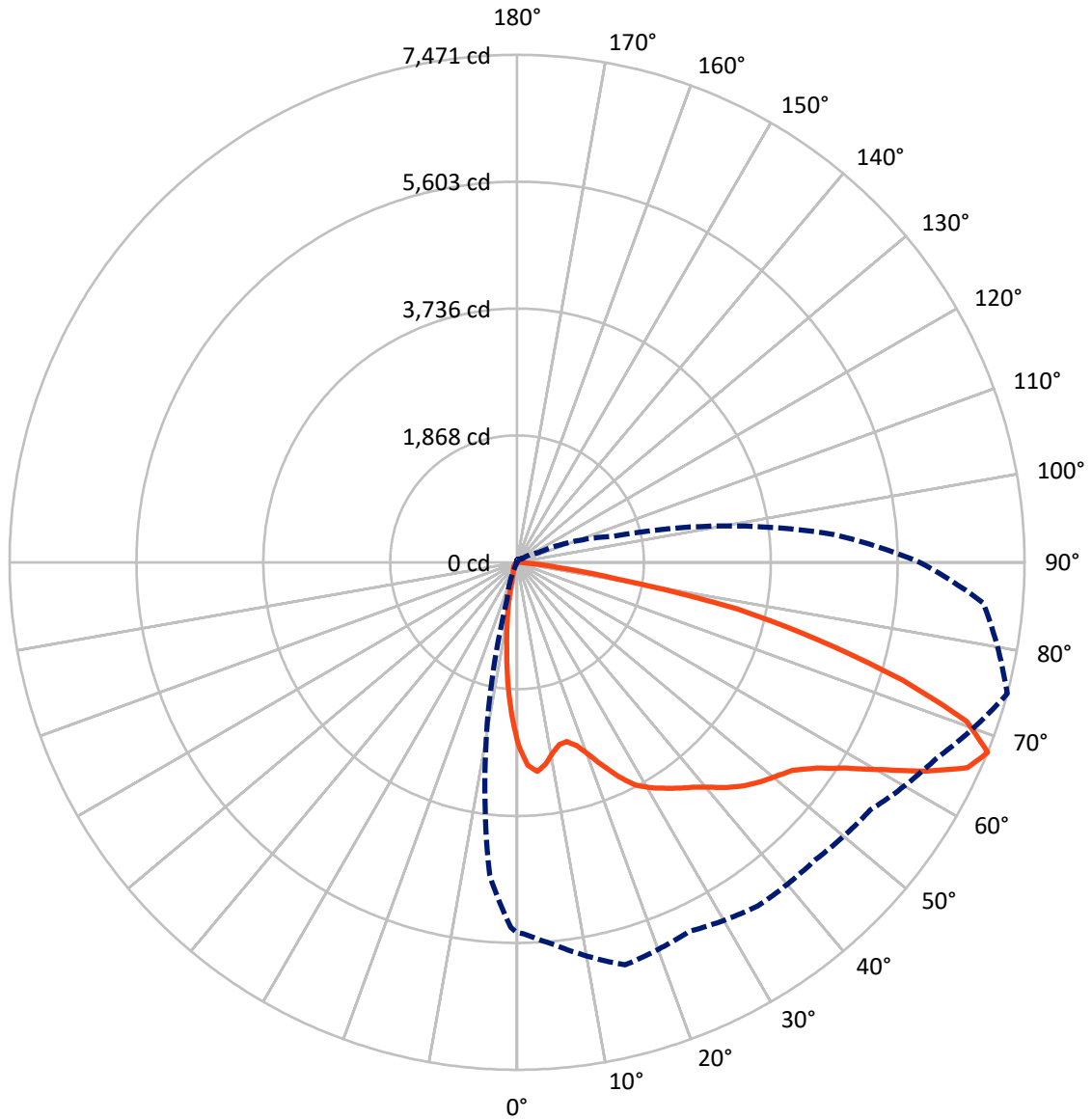
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35 fc
 Type III - Medium - N/A

REPORT NUMBER: P386922
CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P386922
 CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

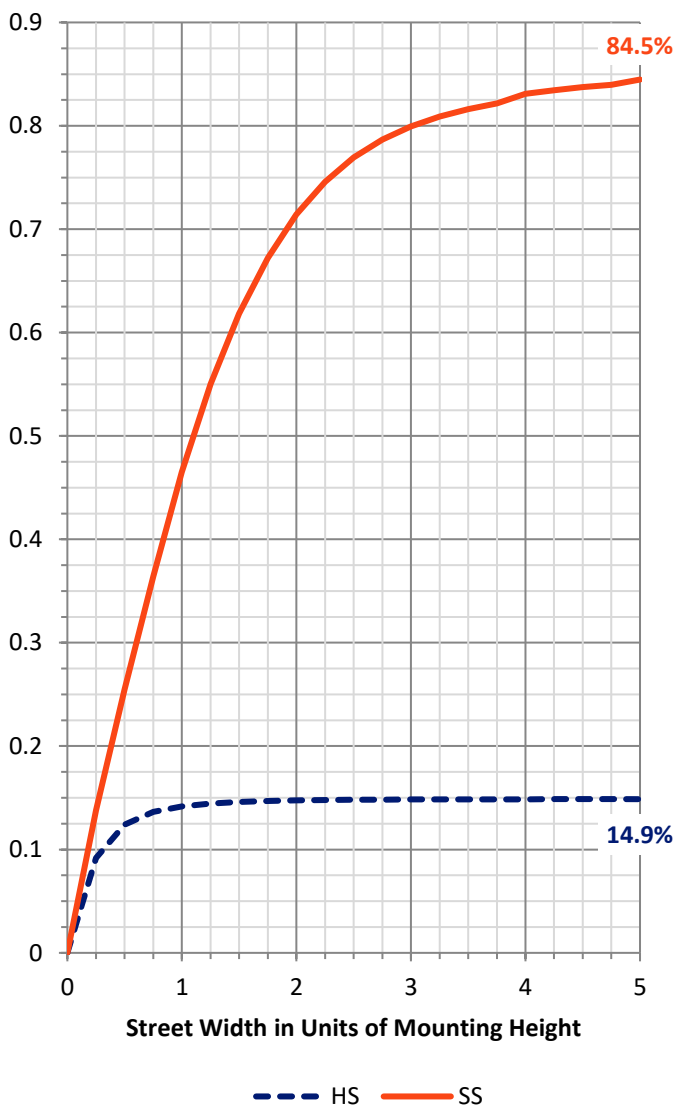
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1207.1	0.0	1207.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	6836.9	0.0	6836.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	8044.0	0.0	8044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	2.5
10°-20°	403.1	5.0
20°-30°	570.2	7.1
30°-40°	838.4	10.4
40°-50°	1205.0	15.0
50°-60°	1696.4	21.1
60°-70°	1981.2	24.6
70°-80°	1010.7	12.6
80°-90°	134.3	1.7
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°	8044.0	100.0
0°-180°	8044.0	100.0

Coefficient of Utilization

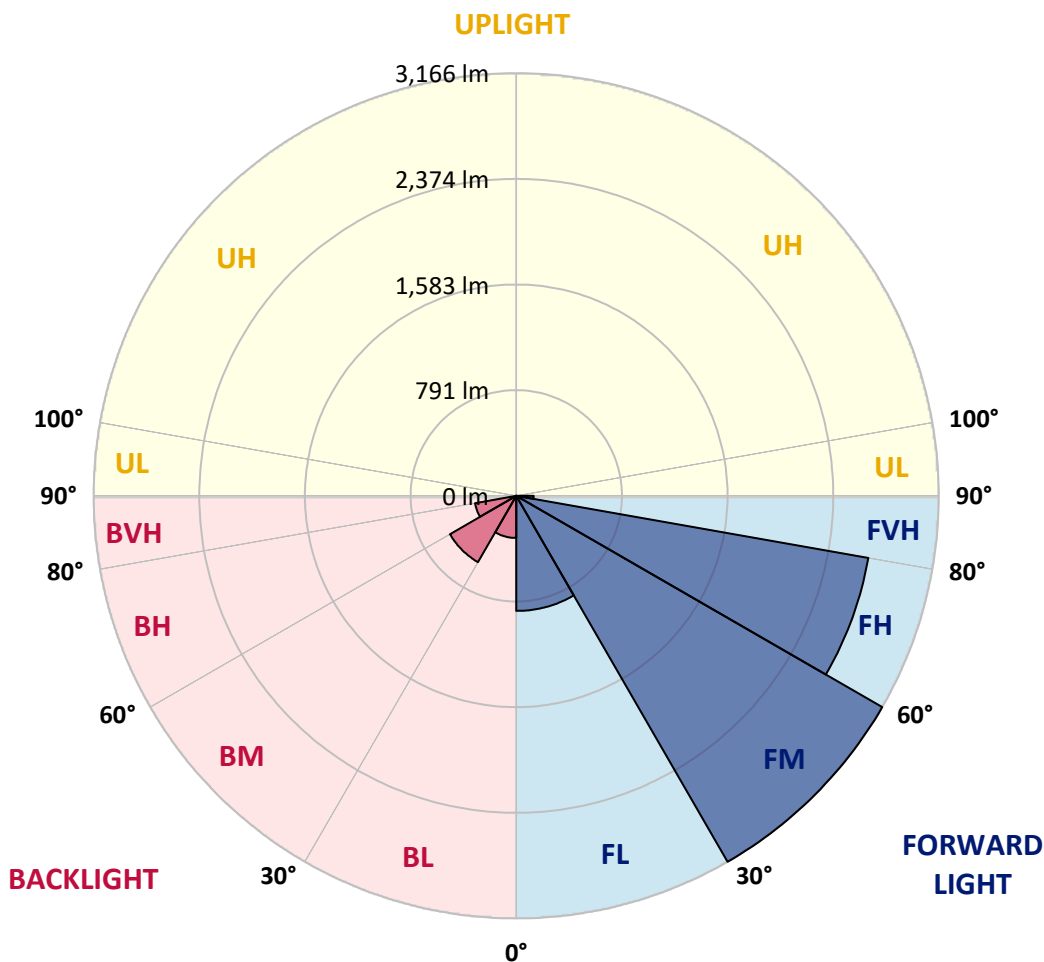


REPORT NUMBER: P386922
 CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.3	10.7			
FM (30°-60°)	3166.0	39.4			
FH (60°-80°)	2678.4	33.3			G2/5000
FVH (80°-90°)	130.2	1.6			G2/225
BL (0°-30°)	315.7	3.9	B1/500		
BM (30°-60°)	573.8	7.1	B1/1000		
BH (60°-80°)	313.5	3.9	B1/500		G1/500
BVH (80°-90°)	4.1	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 III Medium





REPORT NUMBER: P386922

CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2925.4	2929.9	2953.5	3008.4	3068.2	3072.8	3113.2	3071.7	3057.6	2990.5	2921.2
5°	2947.5	2965.0	3046.1	3207.3	3347.2	3392.1	3424.2	3342.6	3256.9	3093.0	2918.1
7.5°	2769.5	2798.8	2926.5	3229.1	3479.0	3589.5	3610.5	3482.8	3272.9	3003.1	2740.2
10°	2541.6	2575.2	2729.1	3101.0	3444.3	3633.7	3662.7	3495.4	3193.6	2857.5	2547.7
12.5°	2357.2	2396.4	2553.8	2957.0	3325.1	3534.7	3591.8	3453.1	3125.0	2754.3	2416.3
15°	2272.2	2317.2	2482.6	2864.0	3192.9	3357.8	3405.1	3345.3	3086.9	2737.9	2385.8
17.5°	2321.0	2369.8	2540.5	2872.0	3068.6	3139.1	3177.2	3201.6	3086.9	2836.6	2474.9
20°	2521.1	2573.6	2754.3	2953.2	2965.7	2939.5	2980.2	3066.0	3122.7	3024.0	2689.1
22.5°	2797.7	2859.4	3063.3	3092.3	2915.4	2816.0	2821.3	2955.8	3187.9	3261.8	2986.3
25°	3134.9	3210.4	3417.7	3299.5	2936.4	2742.4	2740.5	2865.1	3251.5	3500.0	3317.5
27.5°	3469.9	3552.9	3735.1	3552.6	3022.9	2729.1	2725.3	2837.7	3313.6	3711.8	3679.1
30°	3750.7	3831.5	3988.5	3735.9	3116.3	2760.4	2742.1	2867.1	3350.6	3849.4	3942.8
32.5°	3979.3	4044.1	4171.0	3862.0	3216.1	2820.9	2781.3	2945.5	3413.5	3965.6	4185.1
35°	4230.8	4299.1	4349.7	3982.0	3328.1	2908.2	2851.4	3070.2	3510.3	4083.8	4450.7
37.5°	4517.8	4585.6	4579.5	4091.8	3470.3	3052.6	3016.4	3267.5	3660.8	4200.7	4747.2
40°	4798.6	4868.0	4818.4	4211.8	3637.2	3290.8	3264.1	3564.0	3862.4	4350.5	5094.7
42.5°	5061.5	5136.6	5030.7	4325.3	3836.1	3591.1	3636.8	3945.8	4114.6	4534.9	5394.2
45°	5273.4	5350.0	5208.6	4435.8	4045.7	3955.3	4092.9	4368.8	4417.9	4690.8	5596.5
47.5°	5427.4	5499.8	5332.1	4546.4	4313.9	4400.8	4640.5	4812.3	4691.9	4826.0	5740.2
50°	5525.7	5582.1	5368.3	4684.7	4666.0	4920.6	5210.9	5294.7	4949.9	4948.0	5914.7
52.5°	5588.2	5613.7	5395.0	4829.1	5033.3	5486.4	5769.5	5795.8	5215.5	5082.1	6149.8
55°	5803.5	5824.0	5584.0	5004.0	5337.0	5982.2	6274.8	6250.4	5516.1	5344.7	6427.2
57.5°	6170.8	6192.5	5974.5	5255.5	5582.8	6288.5	6641.0	6684.8	5868.6	5713.5	6724.5
60°	6355.2	6395.6	6317.9	5574.1	5821.0	6484.4	6890.6	7030.4	6309.1	6199.7	7012.5
62.5°	6187.9	6246.6	6359.4	5927.3	6057.6	6592.2	6968.3	7154.3	6760.3	6766.4	7190.1
65°	5854.1	5901.0	6092.3	6120.9	6194.8	6578.9	6776.3	6981.3	7036.5	7286.9	7180.6
67.5°	5451.0	5468.5	5630.8	6136.1	5995.9	6178.0	6199.4	6351.0	6818.2	7471.3	6892.1
70°	4870.6	4880.2	5021.9	5625.9	5152.6	5192.6	5161.0	5191.9	5861.8	7022.1	6163.9
72.5°	3919.9	3943.9	4145.5	4672.1	3753.8	3638.3	3886.8	3873.0	4514.3	5932.6	4578.0
75°	2886.1	2927.6	3232.1	3763.3	2634.6	2383.1	2564.5	2612.9	3209.2	4589.0	2862.9
77.5°	2020.7	2051.6	2346.5	2766.5	1906.8	1704.1	1638.5	1696.1	2118.3	3319.7	1442.3
80°	1164.1	1175.6	1363.8	1597.4	1284.9	1470.1	1331.8	1371.4	1269.3	1477.0	620.4
82.5°	761.7	763.6	837.2	950.7	800.2	929.8	688.2	879.9	780.8	593.3	202.0
85°	411.5	413.8	485.5	674.8	453.1	256.1	150.5	309.0	482.8	136.0	55.3
87.5°	45.3	41.5	146.3	245.4	125.7	23.2	8.0	34.7	77.4	8.8	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: P386922
 CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2885.7	2854.1	2775.2	2691.8	2624.7	2561.8	2498.6	2421.2	2361.4	2349.2	2329.4
5°	2824.0	2723.8	2558.4	2392.3	2258.5	2089.7	1982.6	1899.2	1817.6	1812.7	1796.3
7.5°	2608.3	2476.5	2243.6	2013.9	1825.6	1664.8	1502.5	1393.9	1308.5	1278.4	1260.5
10°	2401.0	2252.8	1962.0	1699.9	1531.8	1389.7	1275.4	1161.8	1058.9	988.1	956.1
12.5°	2256.2	2092.4	1771.9	1545.9	1425.5	1290.6	1151.2	1009.4	890.9	805.5	753.3
15°	2200.2	2025.3	1708.3	1485.0	1336.4	1165.6	987.3	825.4	693.9	616.5	569.7
17.5°	2266.9	2063.4	1703.3	1410.7	1203.0	990.7	793.7	602.4	478.6	419.9	389.8
20°	2436.1	2184.6	1701.4	1319.6	1044.5	783.4	537.7	396.3	321.2	288.5	274.4
22.5°	2675.4	2339.3	1716.6	1229.7	879.5	559.8	371.1	291.1	252.6	235.1	227.1
25°	2983.3	2556.5	1759.7	1148.1	724.4	417.6	289.2	243.9	216.8	203.1	197.4
27.5°	3311.4	2806.5	1826.8	1077.2	598.3	333.0	247.7	208.8	189.4	179.9	174.5
30°	3581.9	3096.1	1894.6	998.4	506.8	290.4	226.7	190.5	168.0	161.9	157.0
32.5°	3818.5	3315.2	1942.6	927.1	447.0	258.0	205.0	170.3	155.1	143.3	137.9
35°	4063.6	3497.7	1941.1	877.2	405.8	233.6	186.7	152.4	134.1	120.4	116.2
37.5°	4328.8	3703.8	1907.9	834.5	387.9	214.2	176.4	142.9	124.6	110.9	105.6
40°	4639.3	3920.3	1874.0	794.5	383.0	198.5	169.2	135.3	115.8	102.5	97.2
42.5°	4941.9	4115.4	1844.3	764.8	361.6	198.1	162.7	129.6	109.0	96.0	89.9
45°	5183.9	4297.1	1838.6	746.9	339.1	205.0	159.3	125.7	103.6	90.7	85.0
47.5°	5385.1	4494.5	1875.2	734.3	317.8	187.1	167.7	123.1	98.7	86.1	79.6
50°	5624.4	4736.9	1961.3	713.7	295.3	168.4	192.1	123.8	94.5	81.5	74.7
52.5°	5958.2	5072.2	2087.8	679.0	264.5	151.3	189.0	124.6	89.9	76.6	69.7
55°	6332.4	5491.0	2223.8	621.5	221.4	128.8	161.9	119.3	81.2	71.3	64.8
57.5°	6725.6	5870.9	2304.6	552.9	176.0	111.3	129.6	108.6	71.6	64.0	59.8
60°	6787.3	6015.3	2267.7	468.7	139.8	96.8	96.0	110.5	64.0	56.4	53.3
62.5°	6633.8	5833.9	2088.9	393.6	117.0	85.0	78.9	96.4	57.9	50.3	47.3
65°	6338.5	5343.5	1799.3	354.8	108.6	72.8	65.5	67.8	50.7	43.8	41.2
67.5°	5927.7	4688.9	1477.3	332.7	107.5	62.5	56.0	51.4	43.8	38.1	35.8
70°	5087.8	3906.2	1178.6	320.5	104.4	52.6	47.3	41.9	36.6	32.4	30.5
72.5°	3744.6	2768.0	916.8	307.1	105.2	41.9	41.2	34.7	29.3	25.1	24.4
75°	2163.6	1581.4	601.3	248.8	100.2	32.4	34.3	24.4	20.6	17.5	17.5
77.5°	1153.1	964.4	229.0	103.6	36.6	20.6	19.4	14.5	13.0	10.7	10.3
80°	502.6	424.5	69.0	29.0	20.2	11.1	7.2	6.5	5.7	4.6	4.2
82.5°	178.0	153.6	22.5	14.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	40.4	29.0	0.0	3.4	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: P386922
 CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2289.0	2280.6	2231.1	2233.0	2241.7	2254.3	2224.6	2238.3	2275.3	2310.7	2324.0
5°	1770.0	1771.9	1741.8	1760.5	1777.2	1788.7	1740.7	1741.4	1770.8	1810.8	1831.7
7.5°	1247.2	1244.1	1245.7	1290.2	1321.9	1299.0	1316.9	1254.8	1258.6	1287.2	1265.9
10°	927.1	885.2	861.6	895.1	929.8	917.2	886.3	866.1	880.2	911.9	909.6
12.5°	728.6	668.4	632.9	608.9	637.5	613.9	613.1	595.6	576.5	580.0	630.6
15°	548.0	504.1	462.2	423.7	423.0	415.0	374.2	328.5	324.7	326.9	353.2
17.5°	376.9	362.0	344.9	311.7	302.9	269.4	229.8	211.5	202.3	206.5	215.3
20°	264.8	259.1	261.0	243.1	230.5	198.5	175.3	168.0	166.5	170.7	174.9
22.5°	219.5	209.2	208.1	200.1	187.5	164.2	151.7	147.5	145.6	149.4	152.4
25°	192.1	181.8	177.6	172.6	159.3	143.3	135.7	131.8	129.9	132.2	134.1
27.5°	169.2	159.7	155.9	152.4	139.5	128.0	121.9	118.5	117.0	117.7	119.7
30°	152.0	143.7	138.7	134.5	123.5	115.5	110.1	106.7	105.2	105.2	107.1
32.5°	134.1	129.6	125.0	119.7	109.4	104.0	98.7	94.9	93.4	93.7	95.3
35°	111.6	110.1	111.3	106.3	97.5	93.0	87.6	83.5	82.3	82.7	84.2
37.5°	99.1	92.2	96.4	93.7	88.8	82.7	75.8	72.0	70.1	71.3	72.0
40°	91.1	82.7	79.6	82.3	81.5	71.6	65.5	61.7	60.2	60.6	61.3
42.5°	84.2	74.3	67.4	67.1	71.6	62.5	56.0	52.6	50.7	50.7	51.4
45°	77.7	67.1	58.7	52.2	60.2	53.0	46.9	43.8	41.5	41.5	41.9
47.5°	72.8	61.0	51.1	42.7	45.3	43.4	38.5	35.4	33.2	33.2	33.5
50°	68.2	54.9	44.2	35.8	33.9	35.8	31.2	27.8	26.3	25.9	26.7
52.5°	63.3	48.8	37.7	30.5	26.7	27.1	24.4	22.1	20.2	20.2	21.0
55°	58.3	43.8	32.8	25.9	22.1	20.2	19.4	17.9	16.4	16.4	17.1
57.5°	53.3	38.5	27.8	21.3	17.5	16.0	16.0	14.9	13.7	13.7	14.5
60°	48.8	33.2	22.9	17.5	13.7	13.3	13.7	12.6	11.8	11.8	12.6
62.5°	43.4	28.2	18.7	14.5	11.1	10.7	11.8	11.1	10.3	10.3	11.1
65°	37.0	24.0	14.9	11.1	8.4	8.4	9.9	9.1	8.4	8.4	9.1
67.5°	31.2	20.2	11.4	8.0	6.1	6.5	8.4	7.6	7.2	7.2	8.0
70°	25.9	15.6	8.0	5.0	3.4	5.0	6.5	6.5	6.5	6.5	7.2
72.5°	19.4	10.7	4.6	1.9	1.5	3.4	5.3	6.1	5.7	5.7	6.9
75°	12.6	6.1	1.5	0.0	0.0	1.9	4.2	5.0	5.0	4.6	5.7
77.5°	7.2	1.9	0.0	0.0	0.0	0.0	2.7	2.3	1.9	1.5	2.7
80°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P386922
 CATALOG NUMBER: GAW-SA2C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2377.8	2422.7	2486.0	2553.1	2656.3	2738.3	2818.7	2887.6	2914.3	2925.4
5°	1882.0	1947.9	2040.5	2159.4	2345.8	2513.4	2683.4	2854.5	2928.8	2947.5
7.5°	1350.5	1434.7	1552.4	1701.4	1919.8	2137.0	2374.3	2625.5	2740.5	2769.5
10°	999.5	1102.4	1237.3	1394.3	1602.7	1826.0	2084.7	2371.7	2503.1	2541.6
12.5°	709.1	848.2	1028.8	1219.8	1400.4	1599.7	1861.4	2177.7	2315.7	2357.2
15°	416.5	551.0	764.8	1020.5	1251.8	1453.7	1719.7	2078.3	2230.3	2272.2
17.5°	238.9	306.0	467.6	752.6	1066.6	1346.3	1675.1	2103.0	2282.1	2321.0
20°	182.5	203.9	269.4	484.7	850.1	1240.7	1675.1	2243.3	2463.9	2521.1
22.5°	159.7	175.3	202.0	289.2	625.7	1127.5	1694.5	2446.0	2734.4	2797.7
25°	141.8	155.9	178.7	217.6	426.8	993.0	1740.7	2694.8	3053.0	3134.9
27.5°	126.9	140.2	160.8	190.5	291.9	830.7	1802.8	2986.7	3404.3	3469.9
30°	113.6	126.1	144.8	165.8	225.2	646.6	1855.7	3261.8	3680.2	3750.7
32.5°	101.0	112.4	129.2	144.8	184.4	478.2	1861.4	3479.8	3909.2	3979.3
35°	89.2	99.5	114.7	126.9	152.8	377.6	1772.7	3668.8	4138.2	4230.8
37.5°	77.7	87.6	101.0	110.1	134.5	307.9	1637.0	3879.5	4432.0	4517.8
40°	67.1	75.8	89.5	95.6	127.3	236.6	1489.5	4100.5	4720.1	4798.6
42.5°	57.2	65.5	78.9	90.7	111.6	176.8	1330.3	4307.8	4979.2	5061.5
45°	47.6	56.4	69.7	96.0	92.6	132.2	1159.9	4445.4	5183.9	5273.4
47.5°	38.5	48.4	66.7	91.5	73.9	97.2	1025.0	4575.7	5338.9	5427.4
50°	30.9	40.8	75.1	81.5	60.6	74.3	968.6	4692.3	5440.7	5525.7
52.5°	25.1	34.3	70.9	62.5	50.7	61.3	999.1	4881.3	5534.8	5588.2
55°	21.0	27.1	42.7	43.4	43.1	52.2	1036.8	5152.6	5778.3	5803.5
57.5°	18.3	21.7	29.7	33.5	36.2	46.5	1037.6	5542.0	6155.2	6170.8
60°	15.6	19.1	24.8	27.1	31.2	41.5	999.9	5678.1	6303.4	6355.2
62.5°	13.7	16.8	20.6	22.5	26.3	37.3	911.5	5481.1	6099.9	6187.9
65°	12.2	15.2	17.1	19.1	23.2	33.5	765.9	5087.1	5762.3	5854.1
67.5°	10.7	13.3	15.2	17.1	21.0	29.7	564.0	4629.4	5374.8	5451.0
70°	9.5	11.8	13.7	15.2	18.3	25.1	342.2	3928.3	4839.0	4870.6
72.5°	9.1	10.7	12.6	13.7	16.0	22.1	173.4	2886.9	3868.5	3919.9
75°	8.0	9.5	11.4	12.2	14.1	19.1	70.5	1896.1	2803.4	2886.1
77.5°	6.5	8.8	10.3	11.1	12.2	15.6	35.8	1211.8	1967.4	2020.7
80°	2.3	6.5	8.8	9.1	10.3	11.4	23.6	663.4	1141.3	1164.1
82.5°	0.0	4.2	6.9	6.5	7.2	8.8	15.2	315.5	753.3	761.7
85°	0.0	1.9	5.3	4.2	3.0	6.1	5.3	69.0	395.2	411.5
87.5°	0.0	0.0	0.4	1.9	1.5	2.3	0.8	0.4	35.8	45.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)