

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: P386560

Luminaire Tested: GAW-SA2B-727-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386560
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-SA2B-727-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7393 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

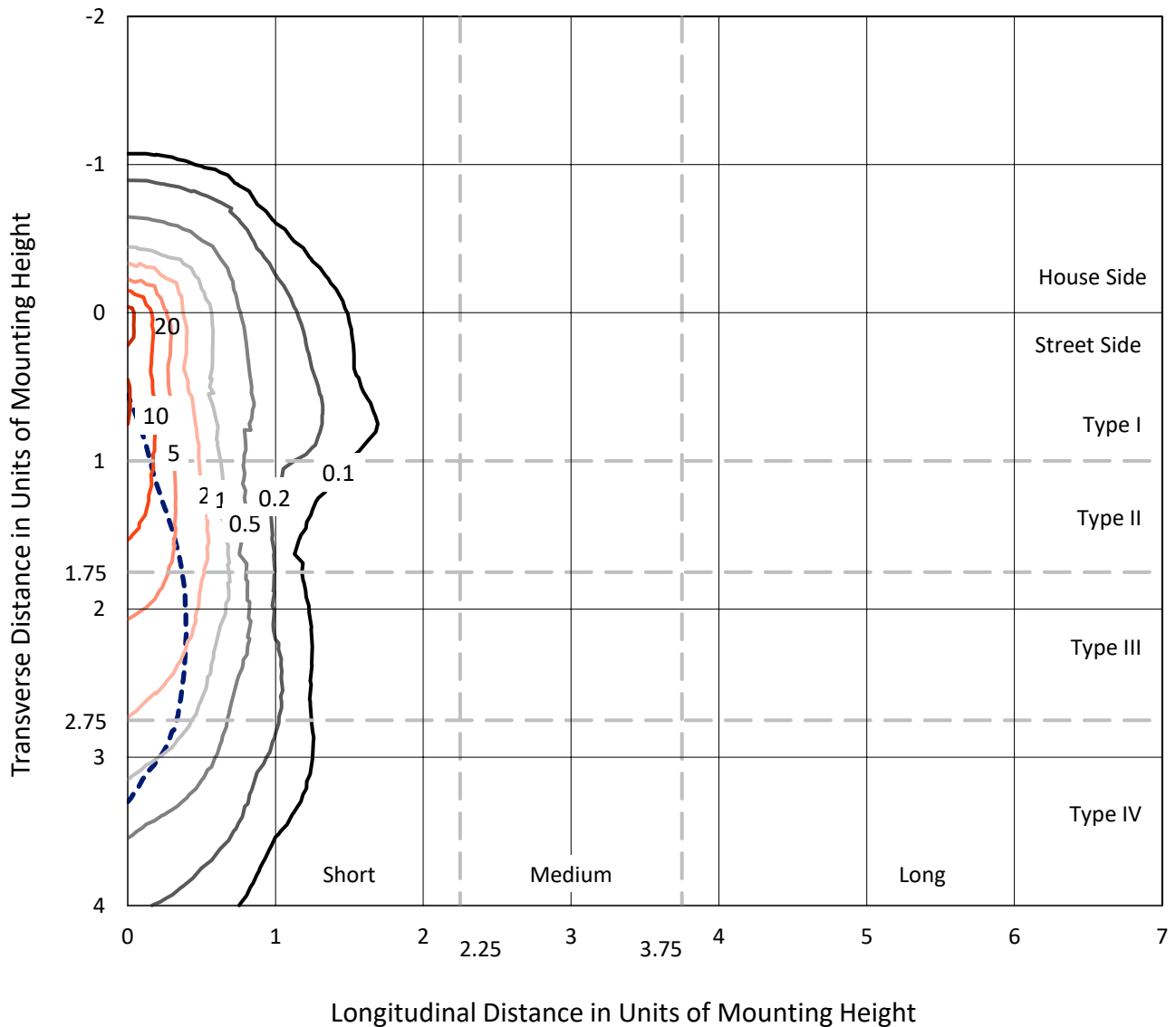
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386560
 CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

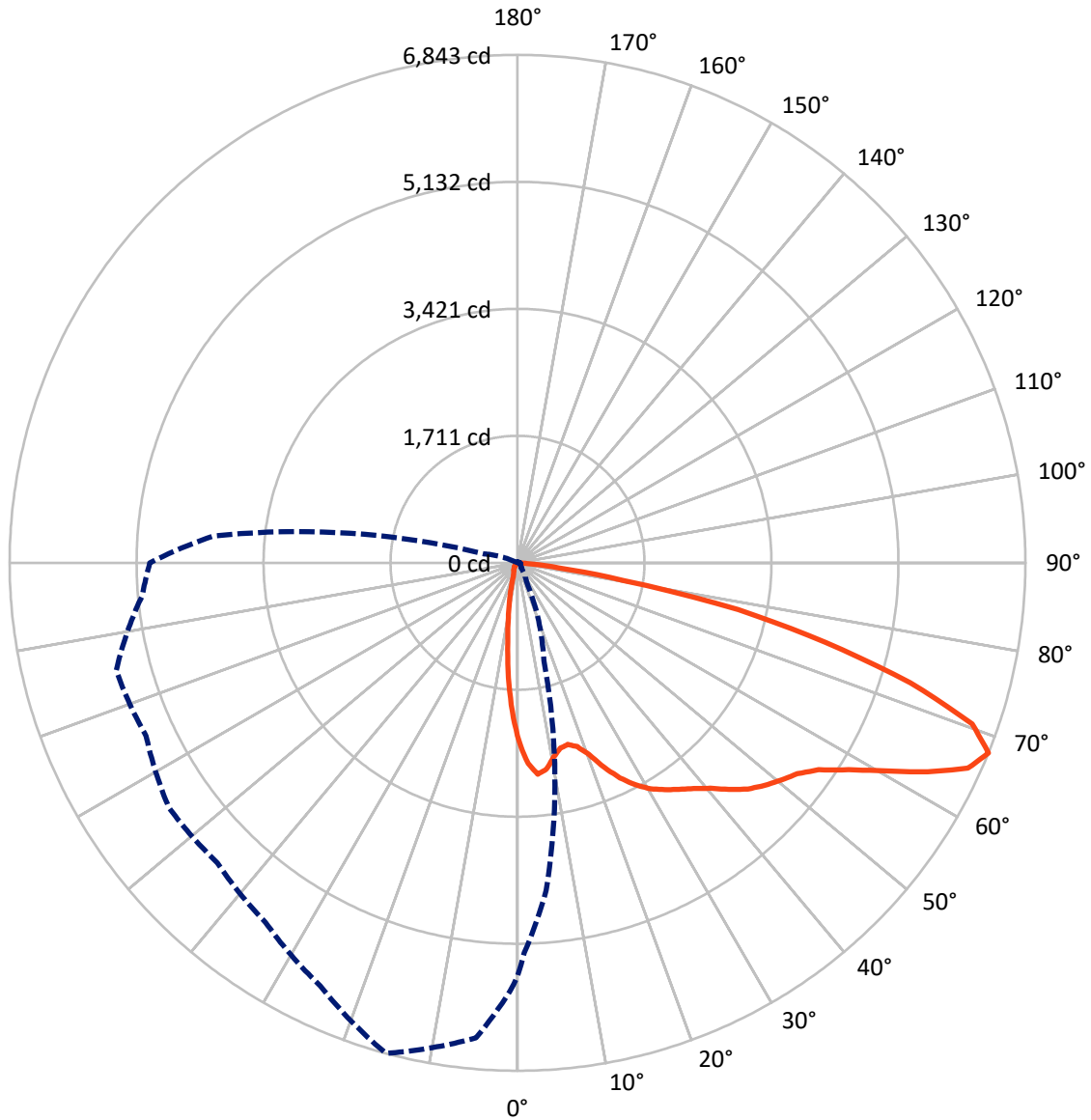
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P386560
CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P386560
 CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

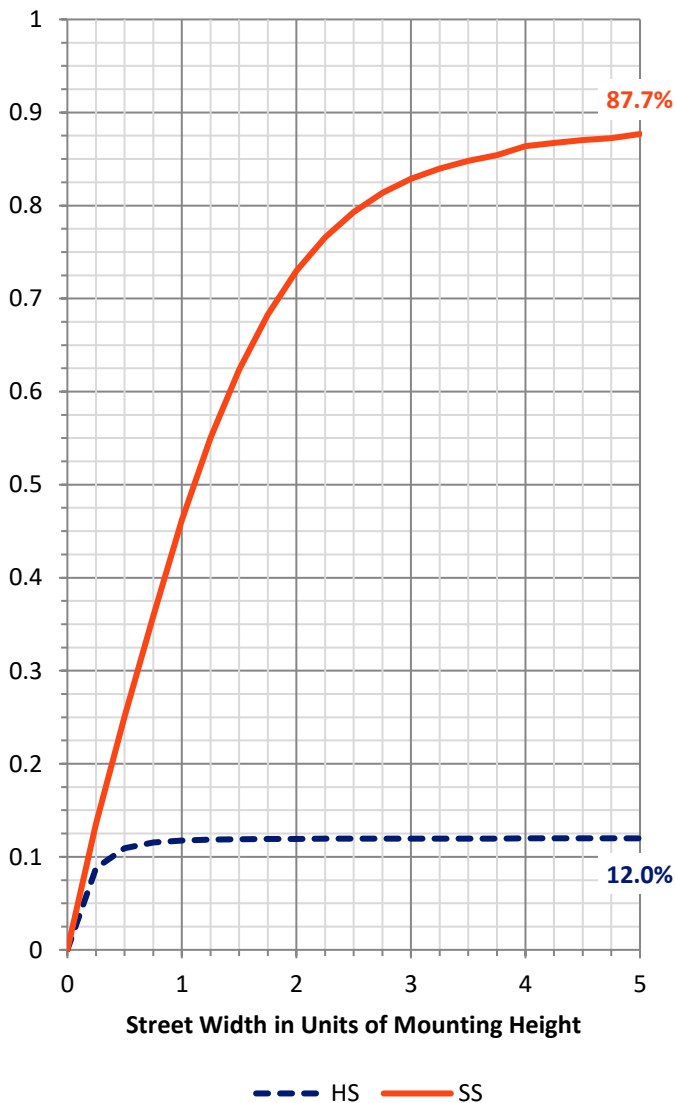
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.8	0.0	894.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	6498.2	0.0	6498.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	7393.0	0.0	7393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	2.5
10°-20°	367.9	5.0
20°-30°	522.4	7.1
30°-40°	771.7	10.4
40°-50°	1112.9	15.1
50°-60°	1562.3	21.1
60°-70°	1821.1	24.6
70°-80°	931.0	12.6
80°-90°	118.9	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°	7393.0	100.0
0°-180°	7393.0	100.0

Coefficient of Utilization

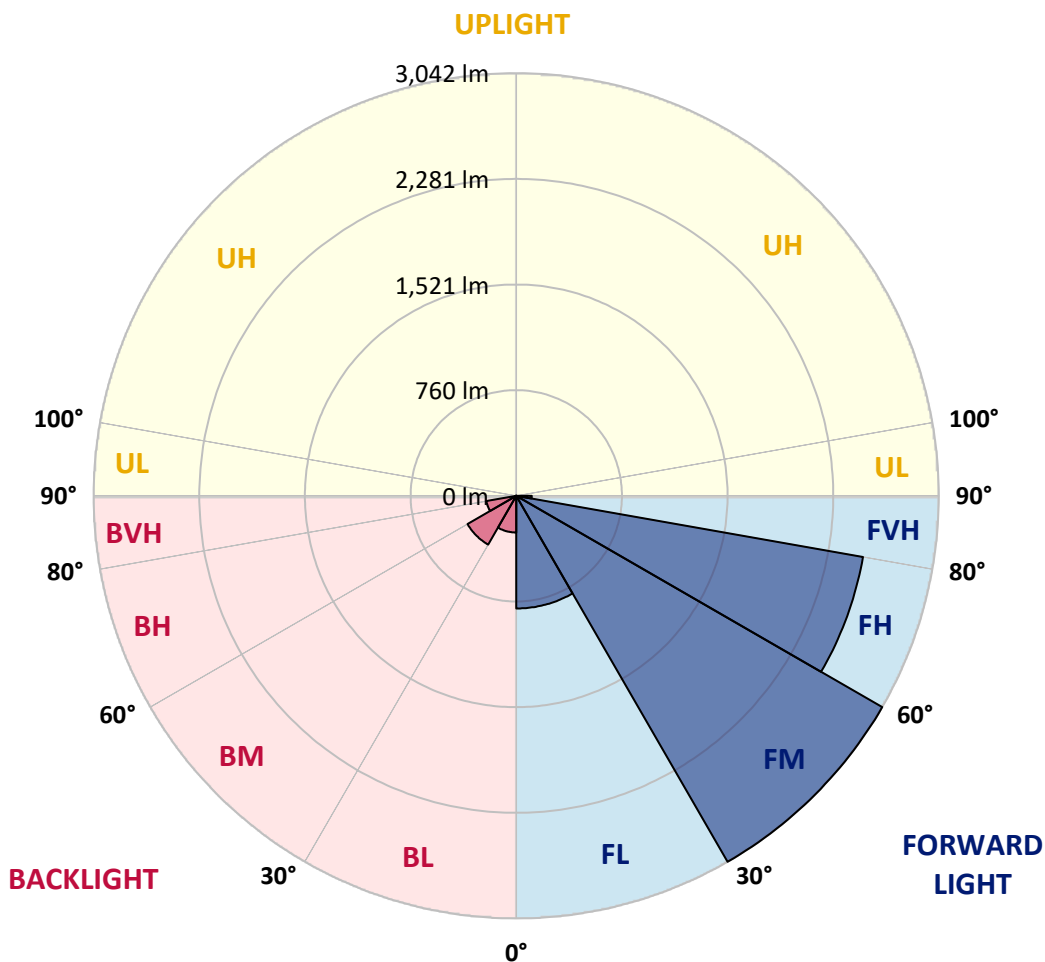


REPORT NUMBER: P386560
 CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.9	11.0			
FM (30°-60°)	3041.6	41.1			
FH (60°-80°)	2534.1	34.3			G2/5000
FVH (80°-90°)	111.7	1.5			G2/225
BL (0°-30°)	264.3	3.6	B1/500		
BM (30°-60°)	405.2	5.5	B1/1000		
BH (60°-80°)	218.1	3.0	B1/500		G1/500
BVH (80°-90°)	7.2	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: P386560

CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3
2.5°	2637.0	2616.6	2594.2	2521.0	2453.1	2375.3	2311.9	2267.8	2212.5	2140.7	2122.5
5°	2618.1	2596.3	2525.9	2363.1	2220.5	2081.8	1948.0	1869.6	1772.2	1673.5	1648.9
7.5°	2427.9	2405.1	2303.5	2080.4	1888.5	1688.2	1514.4	1406.9	1296.9	1206.6	1158.6
10°	2230.0	2205.1	2090.9	1820.2	1583.8	1402.7	1275.2	1172.6	1068.6	971.9	894.9
12.5°	2093.7	2061.2	1937.2	1630.4	1424.4	1301.5	1182.4	1059.5	918.7	815.0	730.3
15°	2036.7	1999.5	1868.5	1557.2	1368.0	1223.7	1068.6	917.6	752.7	633.9	556.2
17.5°	2080.8	2032.4	1892.0	1552.3	1297.3	1100.8	904.7	727.5	548.5	428.3	373.0
20°	2230.7	2167.3	1989.0	1550.9	1211.5	954.8	706.1	505.7	361.4	290.7	261.6
22.5°	2466.7	2383.0	2128.4	1562.1	1122.9	801.4	510.0	343.6	271.4	234.7	217.5
25°	2751.8	2654.8	2329.1	1601.7	1045.1	652.1	370.6	271.4	229.1	202.1	187.7
27.5°	3022.9	2944.1	2582.7	1658.7	984.9	531.7	300.9	230.1	195.8	177.9	166.4
30°	3293.7	3194.5	2842.9	1726.7	912.4	450.1	264.4	209.8	175.5	156.6	149.2
32.5°	3490.5	3408.2	3046.7	1775.7	835.0	396.8	236.4	191.9	163.9	144.6	133.8
35°	3722.0	3628.8	3221.5	1786.6	785.2	363.2	212.6	172.7	142.2	125.0	113.5
37.5°	3972.1	3856.2	3423.3	1762.8	746.4	346.7	194.7	163.9	132.7	115.2	103.0
40°	4248.8	4117.8	3616.9	1728.4	708.2	341.1	181.1	157.3	125.4	107.5	94.9
42.5°	4540.2	4385.7	3784.7	1692.4	684.0	321.9	179.7	150.6	119.8	100.5	87.9
45°	4785.0	4628.4	3957.0	1680.5	666.9	300.9	185.6	146.1	115.9	94.9	82.7
47.5°	4980.1	4831.9	4133.5	1707.1	657.1	281.6	169.2	152.0	113.8	90.0	78.1
50°	5213.0	5045.2	4382.2	1786.6	642.7	262.3	153.1	174.1	113.8	86.9	74.3
52.5°	5505.1	5339.1	4659.6	1909.9	614.0	235.7	137.6	174.4	114.9	82.7	69.3
55°	5872.5	5752.0	5055.7	2045.1	568.1	196.5	119.1	149.9	110.7	75.0	64.8
57.5°	6224.8	6126.4	5416.8	2137.5	506.8	153.4	103.7	120.8	101.2	65.8	57.8
59°	6321.1	6213.6	5549.2	2141.7	460.9	133.8	96.0	99.8	99.1	61.6	53.6
60°	6321.1	6207.0	5587.4	2119.3	427.6	122.9	91.1	89.0	103.3	58.8	51.1
62.5°	6206.6	6046.2	5463.4	1967.7	348.8	104.7	79.5	73.6	92.8	52.9	45.2
65°	5968.5	5734.8	5041.0	1693.4	311.0	96.0	68.6	60.2	64.4	46.6	39.6
67.5°	5571.3	5254.7	4431.9	1368.0	296.0	93.5	59.2	51.1	48.7	39.9	34.7
70°	4871.9	4520.6	3692.6	1075.6	283.0	92.5	49.7	43.1	39.2	33.6	29.4
72.5°	3545.8	3179.5	2621.6	840.9	275.3	94.6	39.9	36.1	32.2	26.3	22.8
75°	2028.2	1788.3	1473.5	555.5	234.7	90.4	30.8	30.1	23.1	18.9	15.8
77.5°	1047.9	1016.0	883.0	213.3	112.4	39.6	20.3	17.5	13.7	11.6	9.5
80°	452.2	447.3	387.0	61.6	29.8	22.1	11.6	7.4	6.3	4.9	3.9
82.5°	156.2	156.2	137.6	20.7	13.3	10.9	1.4	0.0	0.0	0.0	0.0
85°	31.5	35.4	24.9	0.0	4.6	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: P386560

CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3
2.5°	2100.4	2058.0	2055.2	2028.6	1995.3	1980.3	1971.5	1986.9	2005.8	2007.9	2036.3
5°	1630.4	1585.9	1604.5	1557.2	1566.6	1557.2	1541.8	1544.6	1553.0	1526.7	1559.3
7.5°	1144.9	1111.3	1132.7	1120.1	1136.9	1143.5	1134.1	1120.1	1078.7	1073.8	1102.2
10°	863.0	824.8	802.1	778.2	783.5	794.3	790.8	780.7	754.4	755.8	783.1
12.5°	693.5	650.7	605.6	547.1	532.7	540.8	532.7	526.8	501.5	503.6	527.8
15°	526.1	491.0	443.8	396.8	371.3	373.7	351.3	335.5	319.8	300.9	315.6
17.5°	355.1	333.8	319.8	305.8	275.3	268.3	239.9	209.4	197.5	188.8	195.1
20°	251.5	239.9	234.3	233.6	216.1	207.3	179.7	160.8	154.8	153.1	156.9
22.5°	210.1	201.7	193.7	189.1	180.4	170.2	149.2	139.7	135.5	133.4	136.2
25°	182.8	176.5	168.1	160.4	156.9	146.1	131.0	124.0	121.2	119.1	120.5
27.5°	162.5	156.9	147.1	142.2	139.4	129.9	117.0	111.4	108.9	108.2	107.9
30°	146.4	141.1	132.0	126.4	121.5	113.1	105.4	99.8	97.4	96.7	96.0
32.5°	130.3	126.1	120.1	114.5	109.3	101.6	94.9	90.4	86.5	85.8	85.5
35°	110.0	105.8	102.6	102.3	97.4	90.0	85.1	79.2	76.0	75.0	75.3
37.5°	97.7	92.1	85.1	87.6	86.2	80.9	74.3	68.3	65.1	64.4	64.4
40°	90.0	84.1	76.0	71.8	76.0	75.0	64.4	58.5	55.3	55.0	54.3
42.5°	82.7	76.7	67.6	60.6	62.7	65.8	55.7	50.1	46.9	46.2	45.2
45°	77.4	71.1	60.9	52.9	48.7	55.3	47.6	40.6	38.9	37.5	36.8
47.5°	72.5	66.5	55.0	45.9	38.9	39.9	38.2	33.3	31.2	29.8	29.4
50°	68.3	62.0	49.7	39.2	32.2	29.4	30.8	26.3	24.5	23.1	22.4
52.5°	63.4	57.4	44.1	34.0	27.0	23.1	23.5	20.7	18.9	17.9	17.5
55°	59.5	53.6	39.6	29.8	23.8	18.9	16.8	16.1	15.1	14.4	14.0
57.5°	54.3	48.7	35.0	25.2	20.3	15.4	13.0	13.0	12.6	11.9	11.6
59°	51.1	46.2	32.2	22.8	18.6	13.3	11.6	11.9	11.6	10.9	10.5
60°	48.7	44.1	30.1	21.0	17.5	12.3	10.5	11.2	10.9	10.2	9.8
62.5°	43.1	39.9	25.9	17.5	15.4	9.8	8.8	9.5	9.5	9.1	8.8
65°	37.8	34.3	22.1	14.7	14.4	8.4	7.0	8.4	8.8	8.1	7.4
67.5°	32.9	29.4	19.3	11.9	13.3	6.7	5.3	7.0	9.5	7.4	6.7
70°	28.0	24.5	15.1	9.5	14.0	4.6	4.2	6.3	11.2	8.1	6.3
72.5°	21.7	18.9	10.5	7.0	15.1	3.2	3.2	5.3	12.6	8.8	6.0
75°	15.1	12.3	6.3	4.2	12.3	2.1	2.1	4.9	11.9	8.1	5.6
77.5°	8.8	6.7	2.1	0.4	6.3	0.0	0.4	3.5	8.4	4.9	2.5
80°	3.2	1.4	0.0	0.0	3.9	0.0	0.0	0.0	0.7	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: P386560
 CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3
2.5°	2043.7	2090.9	2133.3	2197.4	2273.4	2361.0	2436.3	2517.2	2593.2	2624.7	2646.4
5°	1565.9	1624.4	1692.7	1786.9	1912.3	2066.8	2211.4	2375.0	2550.8	2638.7	2721.4
7.5°	1107.1	1166.7	1251.4	1351.6	1503.2	1687.1	1876.2	2102.1	2340.3	2479.4	2616.3
10°	796.1	869.3	948.5	1085.4	1239.5	1413.9	1608.7	1860.8	2126.3	2280.4	2445.4
12.5°	541.8	625.2	745.0	898.4	1079.4	1250.4	1419.5	1660.1	1968.4	2121.1	2297.9
15°	325.0	371.3	498.0	675.6	897.7	1110.6	1295.9	1537.2	1865.7	2052.8	2236.6
17.5°	200.3	221.7	290.7	436.4	669.7	939.0	1192.9	1495.5	1880.4	2108.1	2304.9
20°	159.7	168.1	190.2	257.8	443.8	749.9	1077.0	1487.1	2000.6	2280.8	2492.0
22.5°	138.7	146.8	161.5	187.4	279.1	561.4	967.0	1494.8	2172.9	2539.6	2786.2
25°	122.2	129.2	143.2	164.6	204.5	395.4	849.3	1529.2	2397.4	2860.8	3122.7
27.5°	109.3	115.2	128.2	147.8	175.5	276.0	715.9	1570.8	2663.6	3189.3	3447.8
30°	97.4	102.6	114.2	132.4	152.4	212.2	569.5	1599.2	2930.1	3447.8	3680.0
32.5°	87.2	91.1	101.6	117.0	132.4	169.2	432.9	1594.6	3128.0	3662.8	3847.0
35°	76.7	80.6	89.7	103.0	115.2	139.7	340.4	1509.5	3300.3	3885.9	4038.3
37.5°	65.1	70.0	78.8	90.7	99.1	122.9	275.3	1406.9	3475.1	4140.9	4251.6
40°	55.3	60.2	67.9	80.9	86.2	116.6	211.5	1281.9	3671.6	4426.0	4485.5
42.5°	45.9	50.4	58.5	69.7	81.3	100.5	156.6	1139.0	3860.4	4669.8	4698.8
45°	37.1	41.7	50.1	61.3	66.9	83.4	121.2	985.9	4012.7	4872.6	4882.0
47.5°	29.4	33.6	42.4	57.8	60.9	66.5	86.5	865.8	4140.5	5030.9	5006.0
50°	22.8	26.3	35.4	66.2	70.7	55.0	65.5	825.9	4255.1	5128.9	5064.5
52.5°	17.9	21.0	29.1	62.0	55.0	45.5	55.0	863.3	4412.0	5210.2	5097.4
55°	14.4	17.5	22.8	35.4	37.5	38.5	46.9	898.4	4682.7	5400.7	5291.8
57.5°	11.9	15.1	18.6	24.9	28.4	32.6	41.7	902.2	5001.8	5717.3	5614.4
59°	10.9	13.7	16.8	22.1	24.9	29.8	39.2	881.2	5114.2	5832.6	5781.1
60°	10.2	13.0	15.8	20.3	23.1	28.0	37.8	861.2	5119.1	5828.4	5852.2
62.5°	8.8	11.6	14.0	17.2	19.6	23.8	34.0	787.3	4911.8	5637.5	5809.4
65°	7.7	10.2	12.6	14.7	16.8	21.4	30.8	652.5	4557.7	5329.6	5517.0
67.5°	7.0	8.8	11.6	13.0	15.1	18.9	27.3	465.1	4115.3	4953.1	5074.6
70°	6.3	8.4	10.5	11.9	13.7	16.5	23.5	267.2	3475.1	4401.8	4488.3
72.5°	6.0	8.1	9.5	11.2	12.3	14.7	21.4	125.7	2544.5	3526.2	3752.1
75°	5.3	7.4	8.8	10.5	11.6	13.3	18.2	60.2	1692.4	2551.9	2808.6
77.5°	3.2	6.0	8.1	9.5	10.2	11.6	15.1	34.7	1080.1	1766.3	2080.4
80°	0.0	2.1	6.0	8.1	8.8	9.8	11.6	27.3	577.9	1009.0	1211.1
82.5°	0.0	0.0	4.2	6.3	6.0	6.7	8.8	17.2	260.6	659.5	743.2
85°	0.0	0.0	1.4	4.9	4.2	3.2	6.0	6.0	57.1	333.8	416.4
87.5°	0.0	0.0	0.0	0.4	2.1	1.4	2.5	0.7	0.4	24.9	100.9
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: P386560

CATALOG NUMBER: GAW-SA2B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3	2408.3
2.5°	2722.4	2748.3	2792.1	2812.8	2802.6	2759.5	2708.1	2655.5	2624.7	2637.0
5°	2889.8	3023.3	3100.3	3125.9	3083.2	2986.5	2860.1	2693.4	2634.2	2618.1
7.5°	2889.8	3141.0	3300.0	3328.0	3232.7	3043.2	2806.1	2545.9	2459.4	2427.9
10°	2788.3	3130.1	3351.8	3396.3	3263.2	2979.8	2662.2	2365.2	2262.6	2230.0
12.5°	2673.7	3041.8	3275.5	3336.7	3227.5	2916.8	2562.4	2242.9	2122.1	2093.7
15°	2603.3	2933.3	3126.6	3171.1	3124.8	2880.0	2538.5	2206.2	2064.0	2036.7
17.5°	2628.6	2849.2	2918.9	2944.8	2976.0	2867.1	2603.3	2286.7	2106.7	2080.8
20°	2723.5	2760.6	2724.5	2757.1	2841.2	2879.7	2757.8	2481.5	2265.4	2230.7
22.5°	2884.6	2714.7	2613.5	2626.5	2728.7	2921.4	2993.9	2759.5	2510.2	2466.7
25°	3072.3	2751.8	2551.9	2540.3	2645.4	2976.3	3209.6	3062.2	2799.8	2751.8
27.5°	3308.4	2835.2	2539.2	2527.7	2616.3	3027.8	3388.9	3361.3	3104.9	3022.9
30°	3490.5	2917.2	2576.7	2550.1	2645.4	3063.6	3532.9	3615.2	3348.0	3293.7
32.5°	3621.1	3013.8	2637.7	2599.1	2727.3	3125.2	3643.9	3847.7	3572.8	3490.5
35°	3720.6	3118.9	2736.1	2672.7	2840.1	3218.7	3747.9	4095.4	3812.0	3722.0
37.5°	3813.8	3266.3	2889.8	2814.2	3017.0	3369.3	3857.9	4376.3	4079.6	3972.1
40°	3943.7	3433.4	3127.0	3059.7	3314.3	3574.6	3995.2	4669.1	4384.0	4248.8
42.5°	4073.7	3612.7	3369.7	3387.9	3685.2	3823.9	4172.4	4978.7	4684.5	4540.2
45°	4192.4	3797.7	3715.4	3799.4	4029.5	4097.5	4348.6	5157.6	4924.4	4785.0
47.5°	4298.2	4028.8	4058.9	4282.7	4421.1	4345.1	4480.3	5312.1	5103.0	4980.1
50°	4421.1	4327.9	4511.8	4828.4	4871.9	4569.2	4600.1	5494.9	5311.8	5213.0
52.5°	4555.6	4643.1	5013.3	5292.5	5278.5	4812.7	4720.5	5699.8	5597.9	5505.1
55°	4708.3	4897.8	5455.0	5726.8	5714.9	5084.4	4920.2	5953.0	5956.5	5872.5
57.5°	4934.9	5117.0	5754.8	6078.1	6098.0	5398.3	5258.5	6236.7	6280.9	6224.8
59°	5097.4	5259.2	5873.5	6224.8	6306.1	5641.0	5505.8	6401.4	6372.3	6321.1
60°	5217.9	5349.6	5932.4	6301.5	6426.9	5805.6	5688.3	6498.0	6383.1	6321.1
62.5°	5515.9	5546.4	6038.5	6388.4	6566.0	6171.2	6201.7	6662.6	6307.8	6206.6
65°	5655.0	5670.7	6037.1	6232.9	6431.5	6456.0	6667.5	6667.5	6124.0	5968.5
67.5°	5596.8	5520.8	5737.6	5717.3	5915.6	6286.8	6842.7	6423.1	5772.3	5571.3
70°	5124.0	4831.6	4735.3	4744.0	4895.7	5468.3	6495.9	5703.7	5106.9	4871.9
72.5°	4263.5	3561.9	3324.1	3595.6	3635.1	4202.5	5535.9	4295.4	3766.1	3545.8
75°	3429.2	2510.9	2124.2	2410.7	2478.0	3075.5	4282.4	2675.1	2199.9	2028.2
77.5°	2463.6	1802.3	1524.2	1504.3	1591.1	1950.5	3038.7	1346.3	1122.9	1047.9
80°	1399.6	1186.3	1277.3	1205.2	1249.0	1219.5	1443.7	590.5	483.7	452.2
82.5°	844.8	701.2	759.3	632.2	800.0	696.6	556.2	189.1	164.3	156.2
85°	549.5	383.2	199.6	133.8	275.6	445.2	124.3	51.5	39.6	31.5
87.5°	189.5	97.7	9.8	4.2	29.4	83.0	4.6	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)