

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: P386840

Luminaire Tested: GAW-SA2C-735-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386840
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-SA2C-735-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 1050mA 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: 10278.9 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

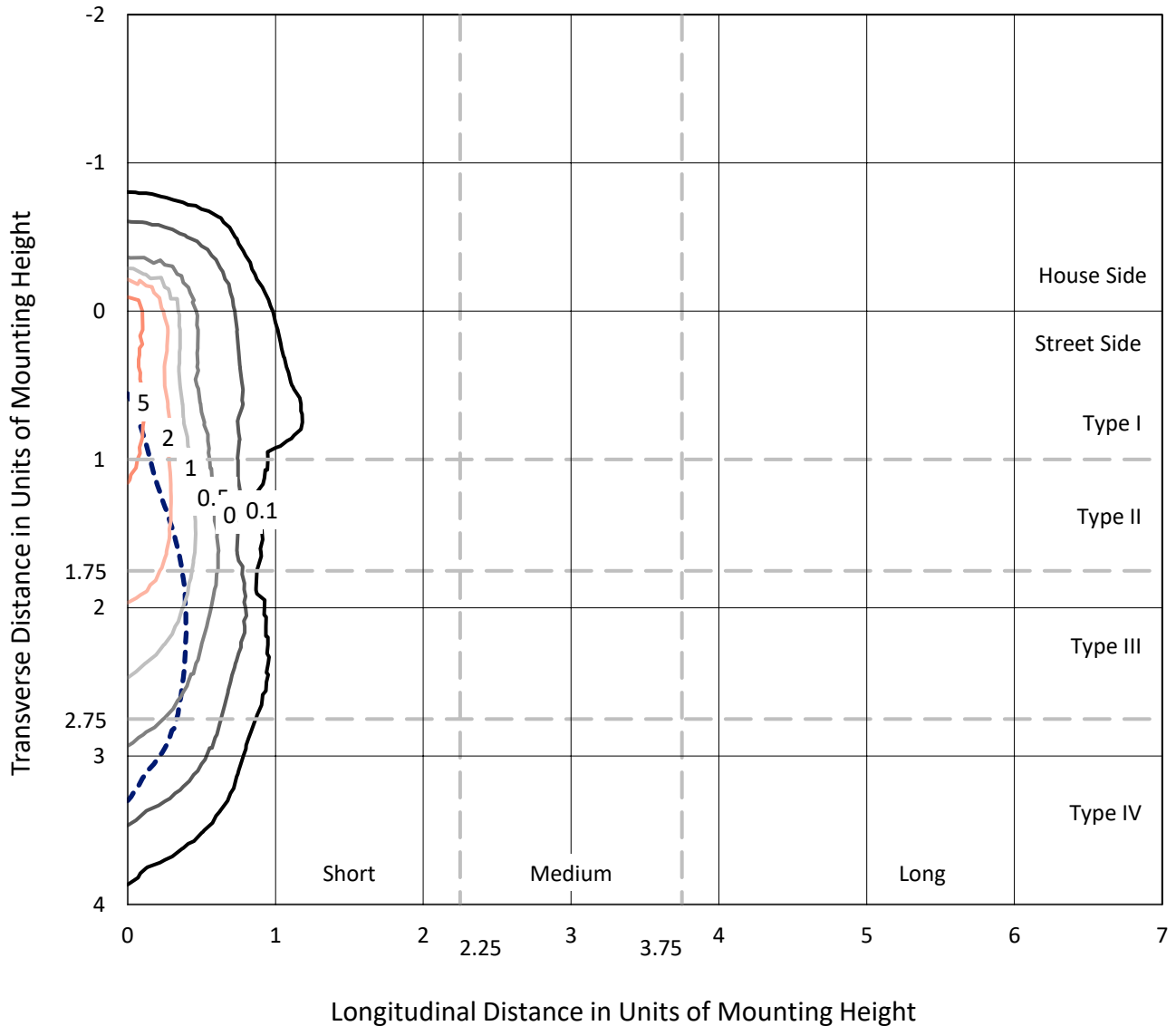
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386840
 CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

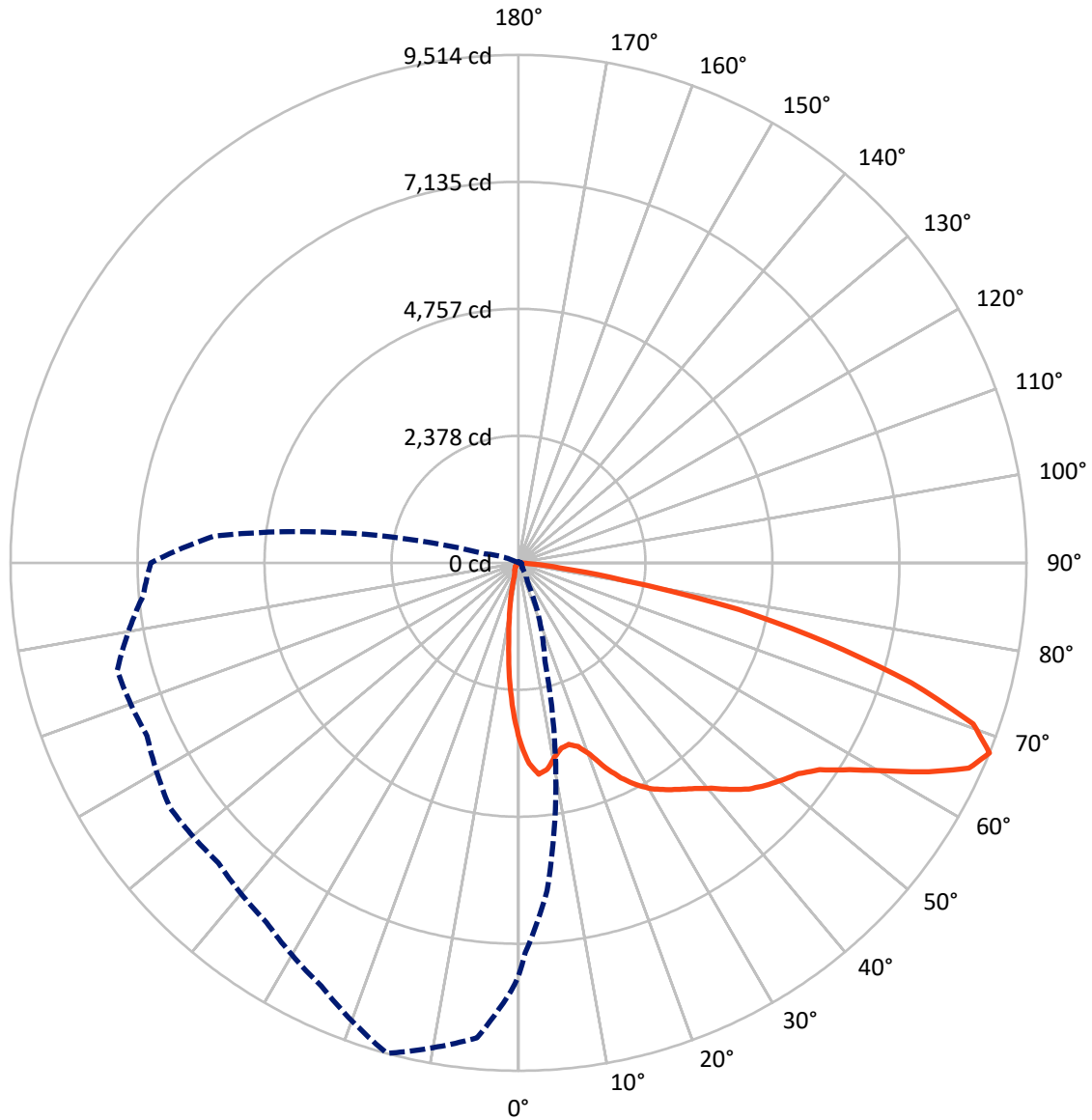
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P386840
CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P386840
 CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

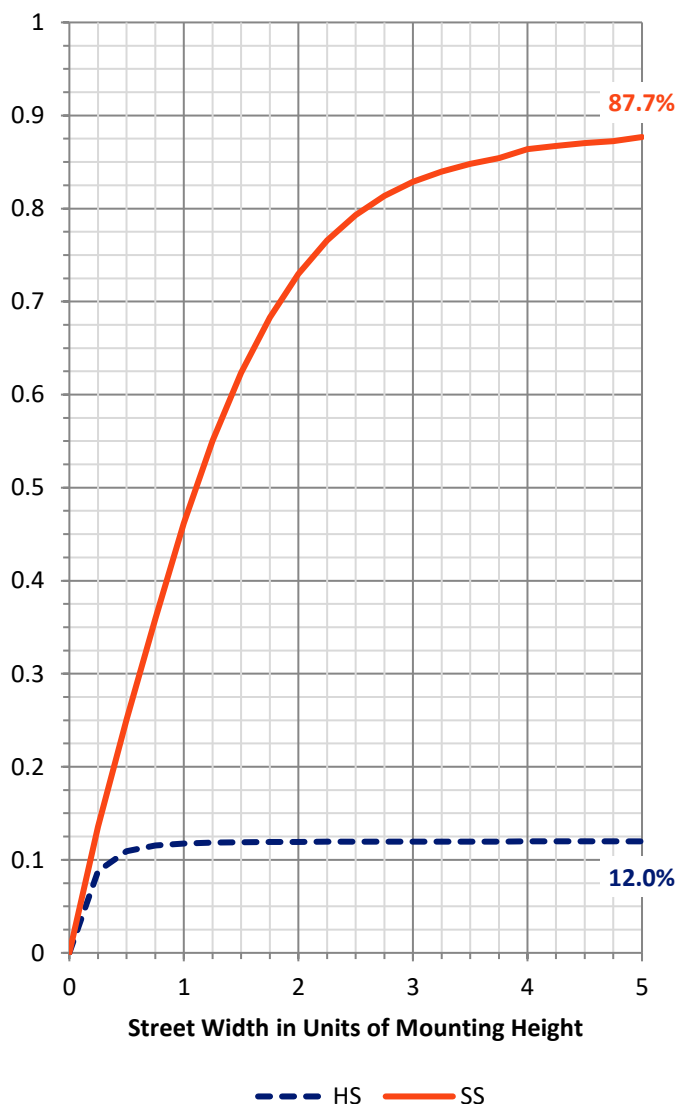
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1244.1	0.0	1244.1
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	9034.8	0.0	9034.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	10278.9	0.0	10278.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.0	2.5
10°-20°	511.5	5.0
20°-30°	726.3	7.1
30°-40°	1072.9	10.4
40°-50°	1547.3	15.1
50°-60°	2172.1	21.1
60°-70°	2532.0	24.6
70°-80°	1294.4	12.6
80°-90°	165.3	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°	10278.9	100.0
0°-180°	10278.9	100.0

Coefficient of Utilization

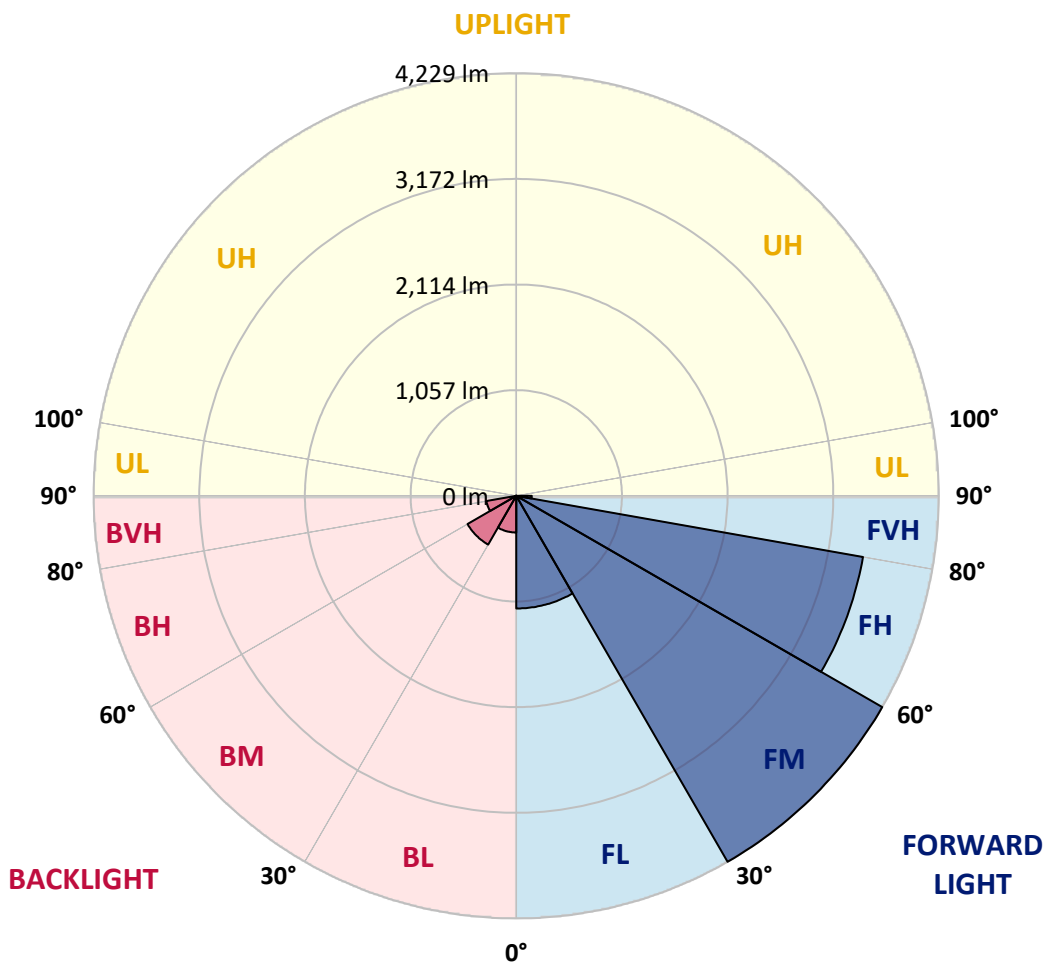


REPORT NUMBER: P386840
 CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.4	11.0			
FM (30°-60°)	4228.9	41.1			
FH (60°-80°)	3523.2	34.3			G2/5000
FVH (80°-90°)	155.3	1.5			G2/225
BL (0°-30°)	367.5	3.6	B1/500		
BM (30°-60°)	563.4	5.5	B1/1000		
BH (60°-80°)	303.2	2.9	B1/500		G1/500
BVH (80°-90°)	10.0	0.1			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





REPORT NUMBER: P386840

CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3
2.5°	3666.3	3638.1	3606.9	3505.2	3410.7	3302.5	3214.4	3153.1	3076.1	2976.3	2950.9
5°	3640.0	3609.8	3511.9	3285.5	3087.3	2894.5	2708.5	2599.4	2464.0	2326.7	2292.6
7.5°	3375.6	3344.0	3202.7	2892.5	2625.7	2347.2	2105.6	1956.1	1803.2	1677.6	1610.9
10°	3100.5	3065.9	2907.1	2530.7	2202.0	1950.3	1773.0	1630.3	1485.7	1351.3	1244.1
12.5°	2911.0	2865.7	2693.3	2266.8	1980.4	1809.6	1643.9	1473.1	1277.3	1133.2	1015.3
15°	2831.6	2780.0	2597.9	2165.0	1902.1	1701.4	1485.7	1275.8	1046.5	881.4	773.3
17.5°	2893.1	2825.8	2630.6	2158.2	1803.7	1530.5	1257.8	1011.4	762.6	595.6	518.6
20°	3101.4	3013.3	2765.4	2156.3	1684.4	1327.5	981.7	703.1	502.6	404.2	363.7
22.5°	3429.6	3313.2	2959.3	2171.8	1561.2	1114.1	709.1	477.7	377.4	326.3	302.4
25°	3826.1	3691.2	3238.3	2226.8	1453.1	906.7	515.2	377.4	318.5	281.0	261.0
27.5°	4202.9	4093.3	3590.8	2306.2	1369.4	739.2	418.3	320.0	272.2	247.3	231.3
30°	4579.4	4441.5	3952.6	2400.7	1268.6	625.7	367.7	291.7	244.0	217.7	207.4
32.5°	4853.0	4738.6	4236.0	2468.9	1160.9	551.7	328.7	266.9	227.9	201.1	186.0
35°	5174.9	5045.4	4479.0	2483.9	1091.8	505.0	295.6	240.1	197.7	173.9	157.8
37.5°	5522.6	5361.4	4759.5	2450.9	1037.7	482.1	270.7	227.9	184.6	160.2	143.2
40°	5907.3	5725.1	5028.8	2403.2	984.7	474.3	251.8	218.6	174.4	149.5	132.0
42.5°	6312.4	6097.7	5262.0	2353.0	951.0	447.5	249.8	209.4	166.6	139.8	122.2
45°	6652.8	6435.1	5501.7	2336.5	927.2	418.3	258.1	203.1	161.2	132.0	114.9
47.5°	6924.1	6718.1	5747.0	2373.5	913.6	391.5	235.2	211.4	158.3	125.1	108.6
50°	7247.9	7014.6	6092.8	2483.9	893.6	364.8	212.8	242.0	158.3	120.8	103.2
52.5°	7654.0	7423.2	6478.4	2655.4	853.6	327.8	191.4	242.6	159.7	114.9	96.4
55°	8164.8	7997.2	7029.2	2843.4	789.8	273.2	165.5	208.5	153.9	104.2	90.1
57.5°	8654.7	8517.9	7531.3	2971.9	704.6	213.2	144.1	168.0	140.7	91.6	80.3
59°	8788.6	8639.1	7715.3	2977.8	640.9	186.0	133.4	138.7	137.8	85.7	74.5
60°	8788.6	8629.8	7768.4	2946.6	594.5	170.9	126.6	123.7	143.6	81.8	71.1
62.5°	8629.4	8406.4	7596.0	2735.7	485.0	145.6	110.6	102.3	129.1	73.6	62.8
65°	8298.2	7973.4	7008.7	2354.4	432.4	133.4	95.4	83.8	89.6	64.7	55.0
67.5°	7746.1	7305.9	6162.0	1902.1	411.5	130.0	82.3	71.1	67.7	55.5	48.2
70°	6773.6	6285.1	5134.0	1495.4	393.4	128.6	69.1	59.9	54.6	46.8	40.9
72.5°	4929.9	4420.6	3644.8	1169.2	382.7	131.5	55.5	50.2	44.8	36.5	31.7
75°	2820.0	2486.4	2048.6	772.3	326.3	125.6	42.8	41.9	32.1	26.3	21.9
77.5°	1457.0	1412.7	1227.6	296.6	156.3	55.0	28.3	24.3	19.0	16.1	13.2
80°	628.6	621.9	538.1	85.7	41.4	30.7	16.1	10.2	8.7	6.9	5.4
82.5°	217.2	217.2	191.4	28.7	18.5	15.1	2.0	0.0	0.0	0.0	0.0
85°	43.9	49.2	34.6	0.0	6.3	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: P386840
 CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3
2.5°	2920.3	2861.4	2857.4	2820.4	2774.2	2753.3	2741.1	2762.5	2788.8	2791.7	2831.1
5°	2266.8	2204.9	2230.8	2165.0	2178.2	2165.0	2143.6	2147.5	2159.2	2122.7	2167.9
7.5°	1591.9	1545.1	1574.8	1557.3	1580.6	1589.9	1576.8	1557.3	1499.8	1493.0	1532.4
10°	1199.9	1146.8	1115.2	1082.0	1089.3	1104.4	1099.6	1085.5	1048.9	1050.9	1088.9
12.5°	964.2	904.7	842.0	760.6	740.6	751.9	740.6	732.4	697.3	700.2	733.9
15°	731.4	682.8	617.0	551.7	516.2	519.6	488.4	466.5	444.6	418.3	438.8
17.5°	493.7	464.1	444.6	425.1	382.7	373.0	333.6	291.2	274.7	262.5	271.2
20°	349.6	333.6	325.8	324.8	300.4	288.3	249.8	223.5	215.2	212.8	218.1
22.5°	292.2	280.5	269.3	262.9	250.8	236.6	207.4	194.3	188.4	185.5	189.4
25°	254.2	245.5	233.7	223.0	218.1	203.1	182.1	172.4	168.5	165.5	167.5
27.5°	225.9	218.1	204.5	197.7	193.8	180.6	162.6	154.8	151.4	150.5	150.0
30°	203.6	196.2	183.6	175.8	169.0	157.3	146.5	138.7	135.4	134.4	133.4
32.5°	181.1	175.3	167.0	159.2	151.9	141.2	132.0	125.6	120.2	119.3	118.8
35°	152.9	147.0	142.7	142.2	135.4	125.1	118.4	110.1	105.7	104.2	104.7
37.5°	135.8	128.0	118.4	121.7	119.8	112.4	103.2	95.0	90.6	89.6	89.6
40°	125.1	116.9	105.7	99.9	105.7	104.2	89.6	81.4	76.9	76.5	75.4
42.5°	114.9	106.6	93.9	84.3	87.2	91.6	77.4	69.6	65.3	64.3	62.8
45°	107.7	98.8	84.7	73.6	67.7	76.9	66.2	56.5	54.0	52.1	51.1
47.5°	100.8	92.5	76.5	63.8	54.0	55.5	53.1	46.2	43.3	41.4	40.9
50°	95.0	86.2	69.1	54.6	44.8	40.9	42.8	36.5	34.1	32.1	31.2
52.5°	88.1	79.8	61.3	47.3	37.5	32.1	32.6	28.7	26.3	24.8	24.3
55°	82.8	74.5	55.0	41.4	33.1	26.3	23.4	22.4	20.9	20.0	19.4
57.5°	75.4	67.7	48.7	35.0	28.3	21.4	18.0	18.0	17.6	16.5	16.1
59°	71.1	64.3	44.8	31.7	25.8	18.5	16.1	16.5	16.1	15.1	14.7
60°	67.7	61.3	41.9	29.2	24.3	17.0	14.7	15.6	15.1	14.1	13.6
62.5°	59.9	55.5	36.1	24.3	21.4	13.6	12.2	13.2	13.2	12.7	12.2
65°	52.6	47.7	30.7	20.5	20.0	11.6	9.8	11.6	12.2	11.2	10.2
67.5°	45.7	40.9	26.8	16.5	18.5	9.2	7.3	9.8	13.2	10.2	9.2
70°	39.0	34.1	20.9	13.2	19.4	6.3	5.8	8.7	15.6	11.2	8.7
72.5°	30.2	26.3	14.7	9.8	20.9	4.4	4.4	7.3	17.6	12.2	8.3
75°	20.9	17.0	8.7	5.8	17.0	2.9	2.9	6.9	16.5	11.2	7.8
77.5°	12.2	9.2	2.9	0.5	8.7	0.0	0.5	4.9	11.6	6.9	3.4
80°	4.4	2.0	0.0	0.0	5.4	0.0	0.0	0.0	0.9	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: P386840
 CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3
2.5°	2841.4	2907.1	2966.0	3055.2	3160.9	3282.6	3387.3	3499.8	3605.4	3649.3	3679.4
5°	2177.1	2258.5	2353.5	2484.4	2658.8	2873.5	3074.6	3302.1	3546.5	3668.7	3783.7
7.5°	1539.3	1622.1	1739.9	1879.2	2090.1	2345.7	2608.6	2922.7	3253.9	3447.2	3637.6
10°	1106.9	1208.6	1318.7	1509.0	1723.3	1965.9	2236.6	2587.2	2956.3	3170.5	3399.9
12.5°	753.3	869.2	1035.8	1249.0	1500.8	1738.4	1973.7	2308.2	2736.7	2949.0	3194.9
15°	451.9	516.2	692.4	939.3	1248.1	1544.2	1801.8	2137.2	2594.0	2854.1	3109.7
17.5°	278.5	308.2	404.2	606.8	931.0	1305.6	1658.6	2079.3	2614.4	2931.0	3204.6
20°	222.1	233.7	264.4	358.4	617.0	1042.5	1497.4	2067.6	2781.5	3171.0	3464.7
22.5°	192.9	204.0	224.5	260.5	388.1	780.6	1344.5	2078.3	3021.1	3530.9	3873.8
25°	169.9	179.7	199.2	228.8	284.4	549.7	1180.9	2126.0	3333.3	3977.5	4341.7
27.5°	151.9	160.2	178.2	205.5	244.0	383.7	995.4	2184.0	3703.3	4434.2	4793.6
30°	135.4	142.7	158.8	184.0	211.8	295.1	791.8	2223.5	4073.9	4793.6	5116.5
32.5°	121.3	126.6	141.2	162.6	184.0	235.2	601.9	2217.2	4349.0	5092.6	5348.7
35°	106.6	112.0	124.7	143.2	160.2	194.3	473.4	2098.8	4588.6	5402.8	5614.6
37.5°	90.6	97.4	109.5	126.2	137.8	170.9	382.7	1956.1	4831.6	5757.3	5911.1
40°	76.9	83.8	94.5	112.4	119.8	162.1	294.1	1782.2	5104.8	6153.7	6236.4
42.5°	63.8	70.1	81.4	96.9	113.0	139.8	217.7	1583.6	5367.2	6492.6	6533.0
45°	51.6	58.0	69.6	85.2	120.8	115.9	168.5	1370.8	5579.1	6774.5	6787.7
47.5°	40.9	46.8	58.9	80.3	112.4	92.5	120.2	1203.7	5756.8	6994.6	6960.1
50°	31.7	36.5	49.2	92.1	98.4	76.5	91.0	1148.2	5916.0	7131.0	7041.4
52.5°	24.8	29.2	40.4	86.2	76.5	63.3	76.5	1200.4	6134.2	7243.9	7087.2
55°	20.0	24.3	31.7	49.2	52.1	53.5	65.3	1249.0	6510.7	7508.9	7357.4
57.5°	16.5	20.9	25.8	34.6	39.5	45.3	58.0	1254.4	6954.2	7949.1	7805.9
59°	15.1	19.0	23.4	30.7	34.6	41.4	54.6	1225.2	7110.6	8109.3	8037.7
60°	14.1	18.0	21.9	28.3	32.1	39.0	52.6	1197.4	7117.3	8103.5	8136.6
62.5°	12.2	16.1	19.4	23.9	27.2	33.1	47.3	1094.7	6829.1	7838.0	8077.2
65°	10.7	14.1	17.6	20.5	23.4	29.7	42.8	907.2	6336.8	7410.0	7670.5
67.5°	9.8	12.2	16.1	18.0	20.9	26.3	38.0	646.7	5721.8	6886.5	7055.5
70°	8.7	11.6	14.7	16.5	19.0	22.9	32.6	371.5	4831.6	6120.1	6240.4
72.5°	8.3	11.2	13.2	15.6	17.0	20.5	29.7	174.8	3537.8	4902.7	5216.7
75°	7.3	10.2	12.2	14.7	16.1	18.5	25.4	83.8	2353.0	3548.0	3904.9
77.5°	4.4	8.3	11.2	13.2	14.1	16.1	20.9	48.2	1501.8	2455.8	2892.5
80°	0.0	2.9	8.3	11.2	12.2	13.6	16.1	38.0	803.5	1402.9	1683.9
82.5°	0.0	0.0	5.8	8.7	8.3	9.2	12.2	23.9	362.3	916.9	1033.3
85°	0.0	0.0	2.0	6.9	5.8	4.4	8.3	8.3	79.4	464.1	578.9
87.5°	0.0	0.0	0.0	0.5	2.9	2.0	3.4	0.9	0.5	34.6	140.3
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: P386840

CATALOG NUMBER: GAW-SA2C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3	3348.3
2.5°	3785.1	3821.2	3882.0	3910.8	3896.6	3836.8	3765.2	3692.1	3649.3	3666.3
5°	4017.9	4203.4	4310.5	4346.1	4286.6	4152.3	3976.5	3744.7	3662.4	3640.0
7.5°	4017.9	4367.1	4588.1	4627.1	4494.6	4231.1	3901.5	3539.7	3419.4	3375.6
10°	3876.7	4351.9	4660.1	4722.1	4537.0	4143.0	3701.4	3288.4	3145.7	3100.5
12.5°	3717.5	4229.2	4554.0	4639.2	4487.3	4055.4	3562.6	3118.5	2950.4	2911.0
15°	3619.6	4078.3	4347.0	4409.0	4344.6	4004.3	3529.5	3067.3	2869.7	2831.6
17.5°	3654.6	3961.4	4058.3	4094.3	4137.7	3986.2	3619.6	3179.4	2929.0	2893.1
20°	3786.6	3838.2	3788.0	3833.3	3950.2	4003.8	3834.3	3450.1	3149.6	3101.4
22.5°	4010.6	3774.4	3633.7	3651.7	3793.8	4061.8	4162.5	3836.8	3490.0	3429.6
25°	4271.6	3826.1	3548.0	3531.9	3678.0	4138.1	4462.5	4257.4	3892.8	3826.1
27.5°	4599.8	3941.9	3530.4	3514.4	3637.6	4209.7	4711.8	4673.3	4316.9	4202.9
30°	4853.0	4055.8	3582.6	3545.6	3678.0	4259.4	4911.9	5026.4	4654.8	4579.4
32.5°	5034.7	4190.3	3667.3	3613.7	3792.0	4345.1	5066.3	5349.8	4967.4	4853.0
35°	5173.0	4336.3	3804.1	3716.0	3948.7	4475.2	5210.9	5693.9	5300.1	5174.9
37.5°	5302.5	4541.4	4017.9	3912.7	4194.7	4684.6	5363.8	6084.5	5672.1	5522.6
40°	5483.1	4773.6	4347.5	4254.0	4608.1	4969.9	5554.7	6491.6	6095.3	5907.3
42.5°	5663.8	5022.9	4685.0	4710.3	5123.7	5316.6	5801.1	6922.1	6513.0	6312.4
45°	5828.8	5280.1	5165.6	5282.5	5602.5	5697.0	6046.0	7171.0	6846.6	6652.8
47.5°	5976.0	5601.5	5643.3	5954.5	6146.8	6041.1	6229.1	7385.7	7095.0	6924.1
50°	6146.8	6017.3	6273.0	6713.2	6773.6	6352.8	6395.7	7639.9	7385.2	7247.9
52.5°	6333.9	6455.6	6970.3	7358.4	7338.9	6691.3	6563.2	7924.7	7783.1	7654.0
55°	6546.2	6809.6	7584.4	7962.2	7945.7	7069.1	6840.8	8276.8	8281.7	8164.8
57.5°	6861.2	7114.4	8001.2	8450.7	8478.4	7505.5	7311.2	8671.3	8732.6	8654.7
59°	7087.2	7312.1	8166.2	8654.7	8767.6	7842.9	7654.9	8900.1	8859.7	8788.6
60°	7254.7	7437.7	8248.1	8761.4	8935.7	8071.8	7908.7	9034.5	8874.8	8788.6
62.5°	7669.1	7711.5	8395.6	8882.1	9128.9	8580.1	8622.5	9263.4	8770.1	8629.4
65°	7862.4	7884.3	8393.7	8665.9	8942.0	8976.1	9270.2	9270.2	8514.5	8298.2
67.5°	7781.6	7675.9	7977.3	7949.1	8224.7	8740.9	9513.7	8930.3	8025.5	7746.1
70°	7124.2	6717.6	6583.6	6595.9	6806.7	7602.9	9031.6	7930.1	7100.3	6773.6
72.5°	5927.8	4952.4	4621.7	4999.1	5054.1	5843.0	7696.8	5972.0	5236.3	4929.9
75°	4767.8	3491.0	2953.4	3351.8	3445.2	4275.9	5954.1	3719.3	3058.6	2820.0
77.5°	3425.2	2505.9	2119.3	2091.5	2212.3	2711.8	4224.8	1871.8	1561.2	1457.0
80°	1945.9	1649.3	1775.9	1675.6	1736.5	1695.6	2007.2	821.0	672.5	628.6
82.5°	1174.5	974.9	1055.7	879.0	1112.2	968.5	773.3	262.9	228.4	217.2
85°	764.0	532.7	277.6	186.0	383.3	619.0	172.8	71.6	55.0	43.9
87.5°	263.4	135.8	13.6	5.8	40.9	115.5	6.3	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)