

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: McGRAW-EDISON

Report Number: P632380

Luminaire Tested: GWS-SA2C-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5875.4 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

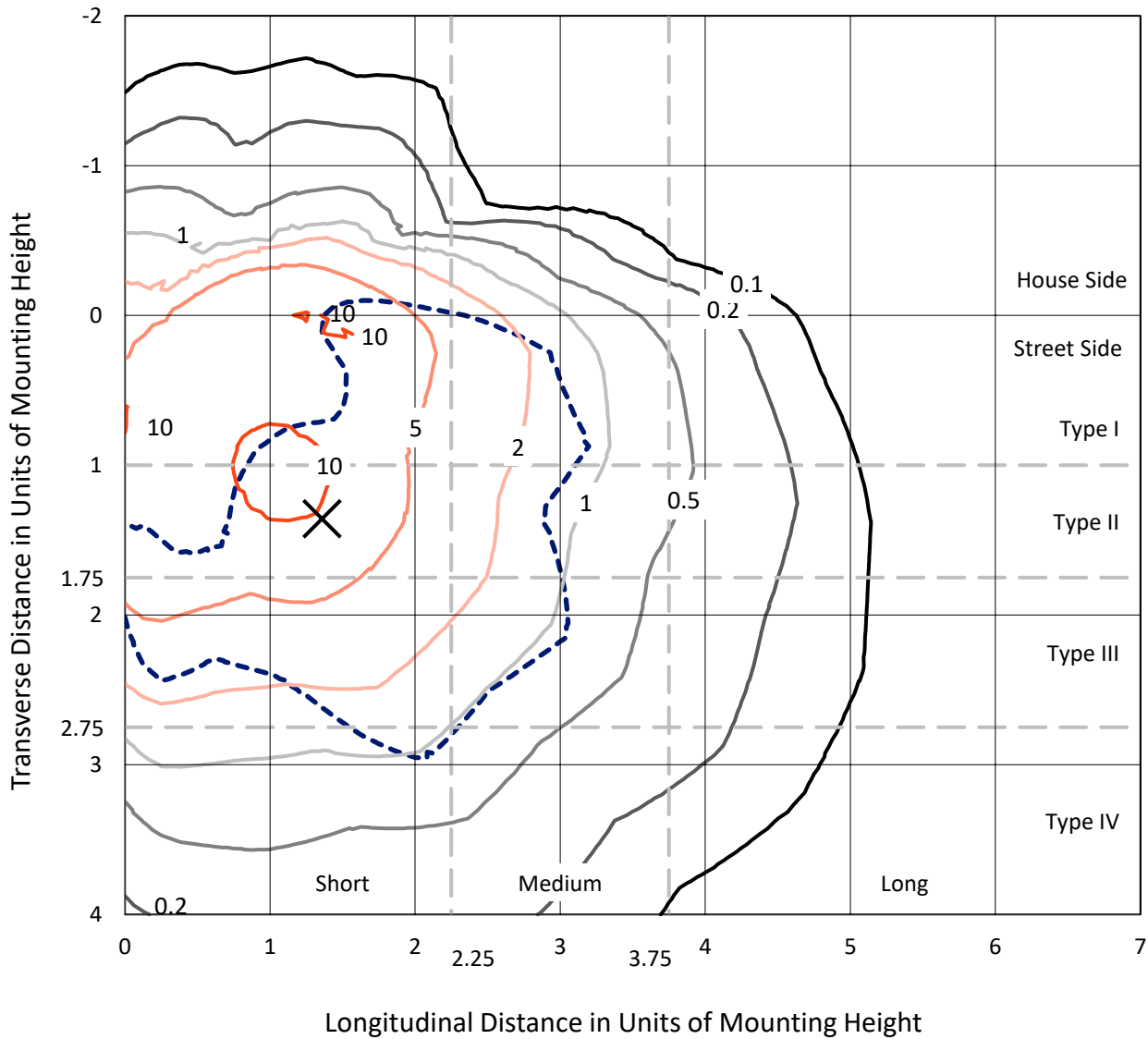
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632380
 CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

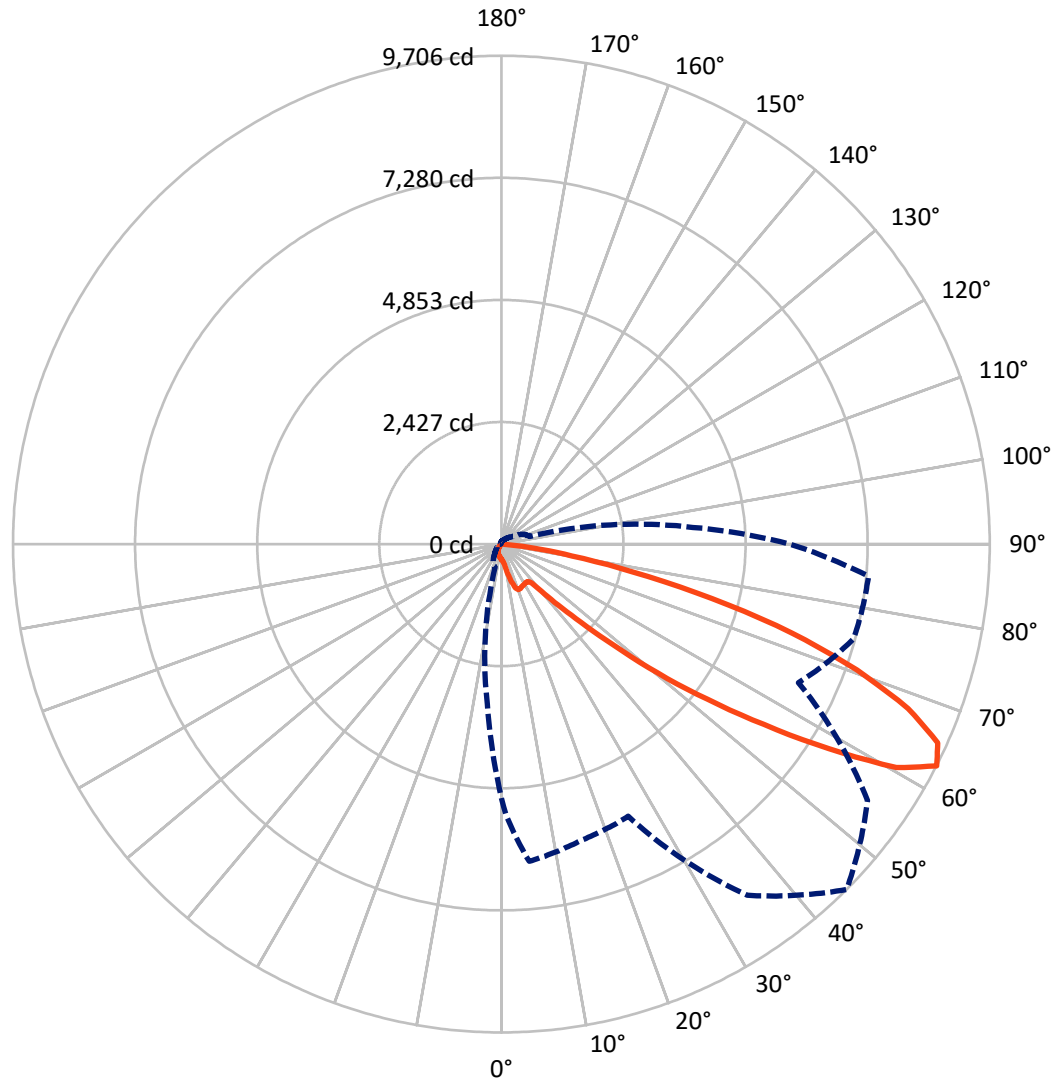
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P632380
CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P632380
 CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

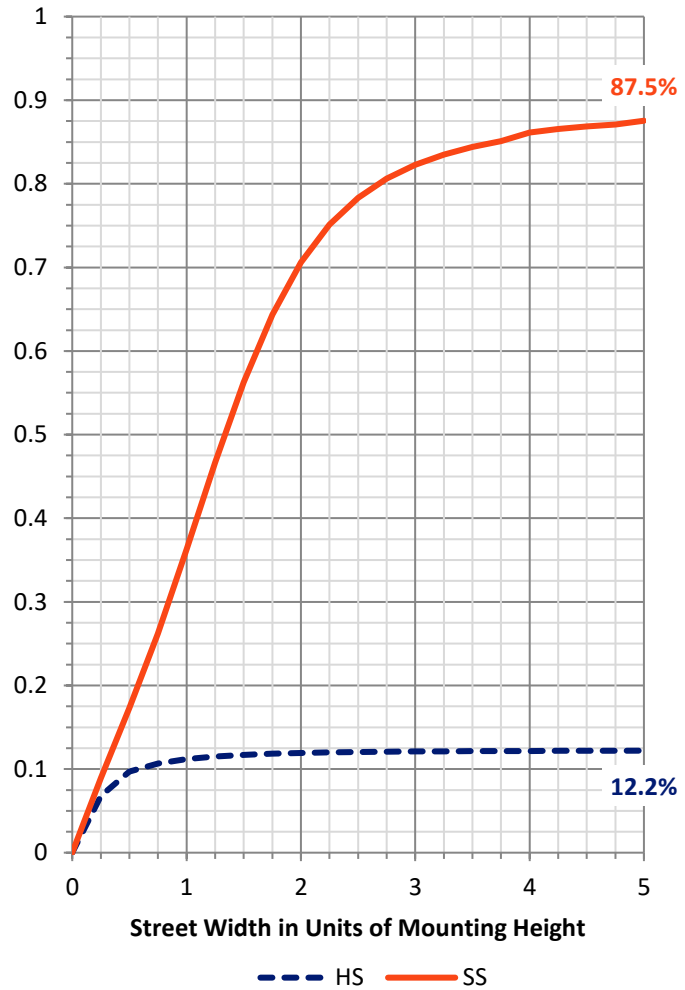
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.0	0.0	725.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5150.4	0.0	5150.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	5875.4	0.0	5875.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	0.5
10°-20°	102.4	1.7
20°-30°	222.7	3.8
30°-40°	365.5	6.2
40°-50°	671.9	11.4
50°-60°	1442.9	24.6
60°-70°	1938.1	33.0
70°-80°	1009.2	17.2
80°-90°	95.7	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°	5875.4	100.0
0°-180°	5875.4	100.0

Coefficient of Utilization



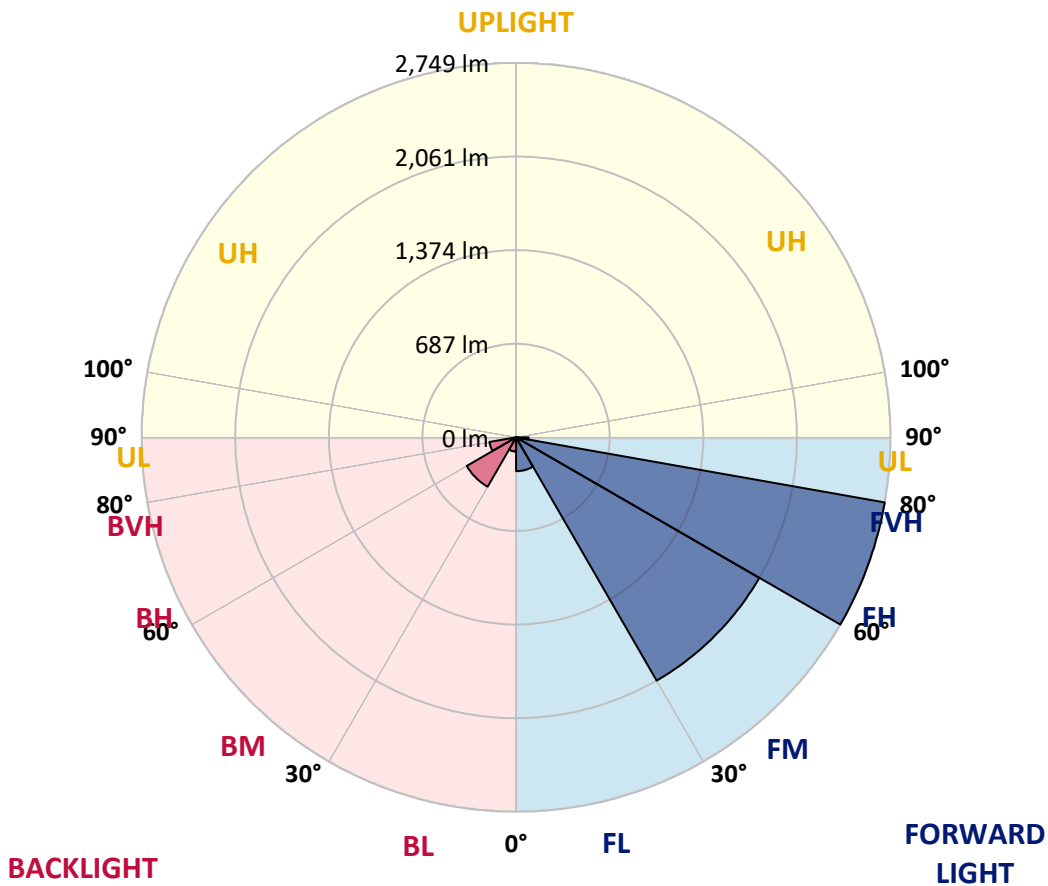
REPORT NUMBER: P632380

CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.2	4.2			
FM (30°-60°)	2062.2	35.1			
FH (60°-80°)	2748.6	46.8			G2/5000
FVH (80°-90°)	91.4	1.6			G1/100
BL (0°-30°)	104.0	1.8	B0/110		
BM (30°-60°)	418.1	7.1	B1/1000		
BH (60°-80°)	198.7	3.4	B1/500		G1/500
BVH (80°-90°)	4.3	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 Short





REPORT NUMBER: P632380

CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	311.5	312.9	314.2	319.0	322.4	325.1	325.8	323.7	319.0	314.2	307.4
5°	302.0	303.4	308.1	321.0	333.9	344.1	347.5	345.4	333.9	319.0	303.4
7.5°	301.3	304.0	315.6	342.7	370.5	391.6	397.0	392.3	370.5	340.7	308.8
10°	325.8	330.5	347.5	396.3	447.2	484.6	499.5	479.1	444.5	390.2	338.0
12.5°	389.6	397.7	430.3	501.5	580.3	629.8	650.2	625.0	570.8	492.0	409.2
15°	490.0	502.2	551.1	657.6	750.6	794.7	801.5	787.2	724.1	637.3	526.0
17.5°	631.8	649.5	725.5	834.1	901.3	916.9	914.8	899.9	853.8	794.0	688.8
20°	801.5	822.5	897.2	986.8	993.6	975.2	965.1	956.2	940.6	930.4	848.3
22.5°	972.5	998.3	1076.4	1098.8	1037.7	984.7	959.6	966.4	989.5	1039.7	1006.5
25°	1142.9	1167.3	1240.6	1180.2	1058.0	969.8	937.9	954.2	1009.2	1117.8	1160.5
27.5°	1341.7	1360.0	1403.5	1235.8	1061.4	957.6	926.4	951.5	1018.7	1166.6	1329.5
30°	1548.7	1559.6	1538.5	1250.8	1049.9	939.3	914.8	951.5	1035.0	1199.2	1456.4
32.5°	1700.7	1702.8	1634.2	1252.1	1043.8	924.3	904.0	947.4	1050.6	1226.3	1579.2
35°	1857.5	1847.3	1725.8	1272.5	1060.1	929.8	912.1	958.9	1075.0	1258.2	1687.2
37.5°	2016.3	1998.0	1828.3	1305.7	1102.1	988.8	978.0	1018.0	1114.4	1302.4	1805.9
40°	2179.2	2154.1	1934.9	1356.0	1195.8	1189.7	1227.0	1222.3	1222.3	1358.7	1928.1
42.5°	2378.0	2348.8	2092.3	1497.8	1414.3	1550.7	1652.5	1589.4	1472.7	1488.3	2086.9
45°	2640.7	2615.6	2365.1	1769.3	1757.1	2070.6	2207.7	2082.8	1792.3	1787.6	2352.2
47.5°	3060.8	3056.0	2800.2	2084.2	2176.5	2732.3	2997.0	2756.7	2156.8	2104.5	2854.5
50°	3651.2	3636.9	3342.4	2453.4	2675.3	3552.1	4024.5	3624.1	2597.2	2474.4	3527.0
52.5°	4316.3	4331.2	4101.8	2856.5	3205.3	4464.2	5121.9	4617.6	3075.7	2944.7	4373.3
55°	4942.7	5028.2	4967.8	3328.2	3723.1	5471.4	6327.2	5707.5	3668.2	3560.3	5322.1
57.5°	5432.7	5673.6	6097.1	4013.6	4331.9	6649.5	7673.0	6889.1	4359.7	4559.9	6613.6
60°	5459.8	5778.8	6762.2	5447.6	5115.1	7660.1	9016.7	8043.5	5446.9	6257.3	7625.4
62.5°	5050.6	5392.6	6329.2	6099.1	5968.2	8519.9	9706.2	8885.0	6516.5	7251.5	7325.5
65°	4582.3	4927.8	5846.0	5360.1	5869.1	8483.3	9531.1	8904.7	6613.6	6575.6	6788.7
67.5°	3874.5	4184.6	5016.0	4744.5	5409.6	8074.0	8722.2	8343.5	6093.0	6150.0	6245.0
70°	2828.0	3126.6	3898.2	3911.8	4724.2	7336.3	7494.5	7442.2	5611.2	5671.6	5400.1
72.5°	2042.8	2294.6	2960.3	3208.0	3771.3	6152.1	6042.8	6244.4	4814.4	5051.3	4337.3
75°	1468.6	1657.3	2171.7	2790.7	2989.5	4568.8	4325.8	4836.1	3862.9	4349.5	3261.0
77.5°	595.9	662.4	854.4	1879.9	1964.7	3073.7	2648.1	3512.8	2754.0	2857.8	1580.6
80°	24.4	27.1	35.3	970.5	1347.1	1729.2	1417.0	1877.9	1818.8	1151.0	373.3
82.5°	2.7	2.7	6.1	279.6	589.8	954.2	667.8	1081.8	920.9	488.0	169.7
85°	0.7	0.7	1.4	31.9	138.4	152.7	90.3	331.9	428.2	199.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	6.1	6.8	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: P632380

CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	307.4	304.0	300.0	295.9	293.9	288.4	286.4	285.0	283.7	284.4	284.4
5°	297.3	289.8	281.0	272.1	267.4	262.0	259.2	257.9	258.6	261.3	261.3
7.5°	295.9	281.6	262.6	251.1	245.7	241.6	238.9	237.5	238.2	241.6	243.0
10°	318.3	293.2	259.2	239.6	233.5	229.4	226.7	224.6	223.3	226.0	226.7
12.5°	366.5	331.9	275.5	238.2	227.4	221.9	219.9	215.8	213.8	215.1	215.8
15°	466.2	406.5	308.1	243.6	221.9	215.8	212.4	209.0	205.6	205.0	205.6
17.5°	596.5	511.0	357.7	256.5	217.9	210.4	205.6	200.9	196.1	195.5	194.8
20°	758.1	639.3	426.9	276.9	214.5	205.6	198.8	192.1	186.0	183.9	183.9
22.5°	905.3	794.0	515.8	302.0	209.7	198.8	190.7	182.6	175.8	172.4	171.7
25°	1085.2	958.3	622.3	331.2	202.9	190.0	181.2	173.1	166.3	162.2	160.8
27.5°	1266.4	1131.3	743.1	369.2	194.8	181.2	173.1	165.6	158.1	153.4	152.0
30°	1442.2	1318.0	878.9	416.7	188.7	172.4	165.6	158.1	151.3	143.9	141.8
32.5°	1630.8	1508.7	1030.9	469.6	183.9	166.3	158.8	152.0	143.2	136.4	133.0
35°	1812.7	1705.5	1198.5	521.2	179.2	160.8	152.7	145.9	136.4	128.9	124.2
37.5°	1995.9	1905.7	1373.6	552.4	172.4	153.4	145.9	140.5	129.6	120.8	115.4
40°	2190.0	2112.7	1563.0	539.5	166.3	145.2	141.2	135.1	122.8	112.7	105.9
42.5°	2403.1	2310.2	1755.7	490.0	160.8	138.4	134.4	128.3	116.7	104.5	95.7
45°	2671.2	2526.7	1913.8	415.3	163.6	131.7	123.5	122.2	111.3	95.7	84.8
47.5°	3132.0	2859.2	2036.7	367.2	181.9	124.2	114.7	118.1	106.5	86.9	74.7
50°	3837.2	3410.3	2151.4	363.8	209.7	120.8	106.5	115.4	101.8	78.0	65.8
52.5°	4509.0	3970.2	2224.7	393.6	234.1	129.6	98.4	112.0	98.4	71.9	59.7
55°	5151.7	4293.2	2093.7	415.3	257.2	156.1	92.3	106.5	94.3	68.5	57.7
57.5°	5844.6	4437.1	1648.5	459.5	273.5	178.5	93.7	98.4	88.9	66.5	57.0
60°	6051.6	4253.2	994.9	517.1	264.7	185.3	103.8	87.5	81.4	62.4	55.0
62.5°	5729.9	3816.8	587.0	471.0	257.2	175.1	118.8	80.8	74.0	57.0	50.9
65°	5248.8	3224.3	382.8	397.7	272.8	156.1	126.2	77.4	67.2	51.6	44.8
67.5°	4699.1	2597.2	268.1	234.8	251.8	140.5	106.5	76.7	60.4	43.4	36.6
70°	3958.0	1945.0	188.7	155.4	209.7	124.9	82.8	74.7	52.9	35.3	28.5
72.5°	3058.1	1217.5	140.5	100.4	149.3	101.8	65.8	63.1	42.8	29.2	21.7
75°	2255.2	694.3	99.1	72.6	98.4	77.4	48.9	44.8	36.6	27.8	19.7
77.5°	1177.5	347.5	61.8	55.7	56.3	48.2	35.3	32.6	33.9	27.8	18.3
80°	226.0	69.2	37.3	40.7	30.5	30.5	25.8	27.1	29.9	22.4	15.6
82.5°	94.3	14.9	20.4	23.1	19.0	21.0	21.0	21.7	21.0	16.3	11.5
85°	0.0	0.0	8.8	9.5	12.9	12.9	10.9	10.9	10.9	9.5	6.8
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	4.1	4.8	5.4	4.1	2.7
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: P632380

CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	283.7	282.3	284.4	285.7	287.1	287.1	285.7	284.4	282.3	284.4	282.3
5°	262.0	264.0	267.4	268.8	270.1	267.4	266.0	262.0	258.6	259.2	257.9
7.5°	245.0	247.0	251.1	253.8	253.8	252.5	248.4	244.3	238.9	238.9	238.2
10°	229.4	232.1	236.9	240.2	241.6	240.2	236.2	230.7	226.0	226.0	224.0
12.5°	216.5	219.9	225.3	230.1	231.4	230.1	226.0	220.6	215.1	215.1	213.8
15°	205.6	209.7	215.8	221.2	223.3	221.2	216.5	209.7	204.3	205.0	202.9
17.5°	195.5	198.8	207.0	213.1	215.1	213.1	207.0	198.2	192.7	194.1	192.7
20°	183.9	188.0	196.1	202.9	205.0	202.9	196.1	186.6	181.2	181.2	181.9
22.5°	171.7	175.8	183.9	188.7	191.4	189.3	182.6	173.7	168.3	168.3	169.0
25°	160.8	162.9	169.0	173.7	174.4	172.4	167.0	160.2	156.1	158.1	158.8
27.5°	150.7	150.7	153.4	156.1	155.4	153.4	151.3	145.9	145.2	147.3	149.3
30°	139.8	136.4	135.1	133.0	132.3	131.7	133.7	133.7	135.1	137.8	139.8
32.5°	130.3	123.5	117.4	111.3	107.9	110.6	116.1	120.8	125.6	129.6	131.7
35°	119.4	108.6	98.4	90.3	84.8	88.9	97.7	106.5	114.7	120.1	123.5
37.5°	108.6	93.0	80.8	70.6	66.5	69.9	79.4	91.6	103.8	110.6	115.4
40°	97.0	77.4	63.1	55.0	50.9	54.3	63.8	76.0	92.3	101.1	107.2
42.5°	85.5	63.8	50.9	42.8	40.7	42.8	50.2	62.4	80.1	90.9	99.1
45°	74.0	52.9	40.7	34.6	32.6	34.6	40.7	50.9	68.5	80.8	90.3
47.5°	63.8	44.8	33.9	28.5	27.1	29.2	33.9	42.8	57.7	69.9	80.8
50°	55.7	39.4	29.2	24.4	23.1	25.1	29.2	36.0	48.9	59.7	71.3
52.5°	50.2	36.6	25.8	21.0	20.4	21.7	25.1	30.5	41.4	50.9	61.8
55°	48.9	36.6	23.8	19.0	18.3	19.7	22.4	26.5	36.0	44.1	53.6
57.5°	50.2	39.4	22.4	16.3	15.6	17.0	19.7	23.1	31.2	38.0	46.8
60°	50.2	40.0	19.7	12.9	12.2	13.6	16.3	20.4	27.8	33.3	40.7
62.5°	45.5	36.6	16.3	10.2	8.8	10.2	13.6	17.0	24.4	29.9	36.0
65°	39.4	31.2	13.6	7.5	6.1	7.5	10.9	14.3	21.0	25.8	32.6
67.5°	31.9	23.8	10.2	5.4	4.1	5.4	8.1	11.5	17.6	22.4	29.2
70°	23.8	17.0	8.1	4.8	4.1	4.8	7.5	10.9	15.6	20.4	27.1
72.5°	17.6	11.5	6.8	4.8	3.4	4.8	6.8	10.2	14.9	19.7	25.8
75°	14.9	9.5	6.1	4.1	3.4	4.1	6.1	9.5	13.6	18.3	24.4
77.5°	14.3	8.8	5.4	3.4	2.7	3.4	5.4	8.1	12.2	17.0	23.8
80°	12.2	7.5	4.8	2.7	2.0	2.7	4.8	6.8	9.5	12.9	18.3
82.5°	9.5	6.1	3.4	1.4	0.7	1.4	3.4	4.1	6.1	7.5	10.9
85°	6.1	3.4	1.4	0.0	0.0	0.0	1.4	2.7	2.7	3.4	5.4
87.5°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0
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: P632380

CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	286.4	287.1	288.4	290.5	295.2	299.3	303.4	308.8	311.5	311.5
5°	259.2	259.9	260.6	263.3	270.1	275.5	284.4	295.2	300.6	302.0
7.5°	238.2	239.6	240.9	243.0	249.7	257.2	268.8	289.1	299.3	301.3
10°	226.0	228.0	230.7	234.8	240.9	249.1	268.8	305.4	322.4	325.8
12.5°	216.5	219.9	222.6	227.4	234.8	247.7	287.1	351.5	381.4	389.6
15°	207.0	211.1	215.1	219.9	228.0	252.5	322.4	434.3	483.9	490.0
17.5°	197.5	202.2	207.7	213.1	223.3	264.0	378.0	549.0	618.3	631.8
20°	186.6	192.7	200.2	207.0	218.5	282.3	455.4	685.4	772.3	801.5
22.5°	175.1	182.6	191.4	200.2	213.1	304.7	549.0	832.0	953.5	972.5
25°	165.6	173.1	181.2	190.0	204.3	331.9	662.4	1013.9	1124.5	1142.9
27.5°	156.8	164.2	171.7	179.8	195.5	367.2	798.8	1207.3	1322.7	1341.7
30°	147.3	156.1	163.6	171.7	187.3	410.6	956.2	1421.8	1531.1	1548.7
32.5°	139.1	147.9	155.4	163.6	181.2	458.1	1121.8	1611.8	1700.7	1700.7
35°	132.3	141.8	147.3	158.1	176.5	488.6	1278.6	1793.0	1860.2	1857.5
37.5°	124.9	136.4	140.5	147.9	170.3	492.0	1425.9	1984.4	2033.9	2016.3
40°	117.4	129.6	135.7	139.8	163.6	464.2	1587.4	2160.2	2202.3	2179.2
42.5°	110.6	120.1	128.9	133.7	159.5	415.3	1717.0	2348.2	2398.4	2378.0
45°	103.8	112.0	117.4	126.2	162.2	381.4	1828.3	2567.4	2655.6	2640.7
47.5°	97.0	103.8	107.2	120.8	180.5	365.8	1896.2	2906.7	3073.0	3060.8
50°	89.6	97.7	97.7	119.4	207.7	371.2	1955.2	3398.1	3655.3	3651.2
52.5°	82.1	90.9	89.6	129.6	228.7	396.3	2022.4	3831.7	4279.0	4316.3
55°	74.7	82.8	84.2	150.0	240.9	418.1	1762.5	4014.3	4811.7	4942.7
57.5°	66.5	71.3	87.5	165.6	236.9	481.2	1207.3	4047.5	5151.7	5432.7
60°	57.7	61.8	99.1	162.2	224.0	444.5	760.1	3748.9	5103.5	5459.8
62.5°	50.2	57.0	104.5	143.2	228.0	385.5	484.6	3195.1	4644.1	5050.6
65°	44.1	55.0	95.0	129.6	230.7	261.3	327.1	2599.3	4195.5	4582.3
67.5°	39.4	61.1	78.0	115.4	198.2	183.9	224.6	2019.7	3527.7	3874.5
70°	36.0	62.4	63.8	99.1	153.4	118.1	147.9	1359.4	2431.6	2828.0
72.5°	32.6	46.1	48.2	79.4	99.1	71.9	95.7	777.7	1772.7	2042.8
75°	31.2	31.2	33.3	51.6	55.0	52.3	61.8	464.2	1271.1	1468.6
77.5°	29.2	23.8	21.0	33.3	29.9	37.3	36.6	206.3	551.1	595.9
80°	23.1	17.0	14.3	21.0	20.4	25.1	21.7	17.0	25.1	24.4
82.5°	14.3	10.9	10.2	12.9	11.5	12.9	10.2	2.7	2.7	2.7
85°	6.8	6.1	5.4	5.4	6.1	5.4	4.1	1.4	0.7	0.7
87.5°	3.4	3.4	2.7	2.0	2.7	2.7	2.0	0.7	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)