

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: P635900

Luminaire Tested: GWS-SA3E-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635900
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-SA3E-760-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13769.3 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

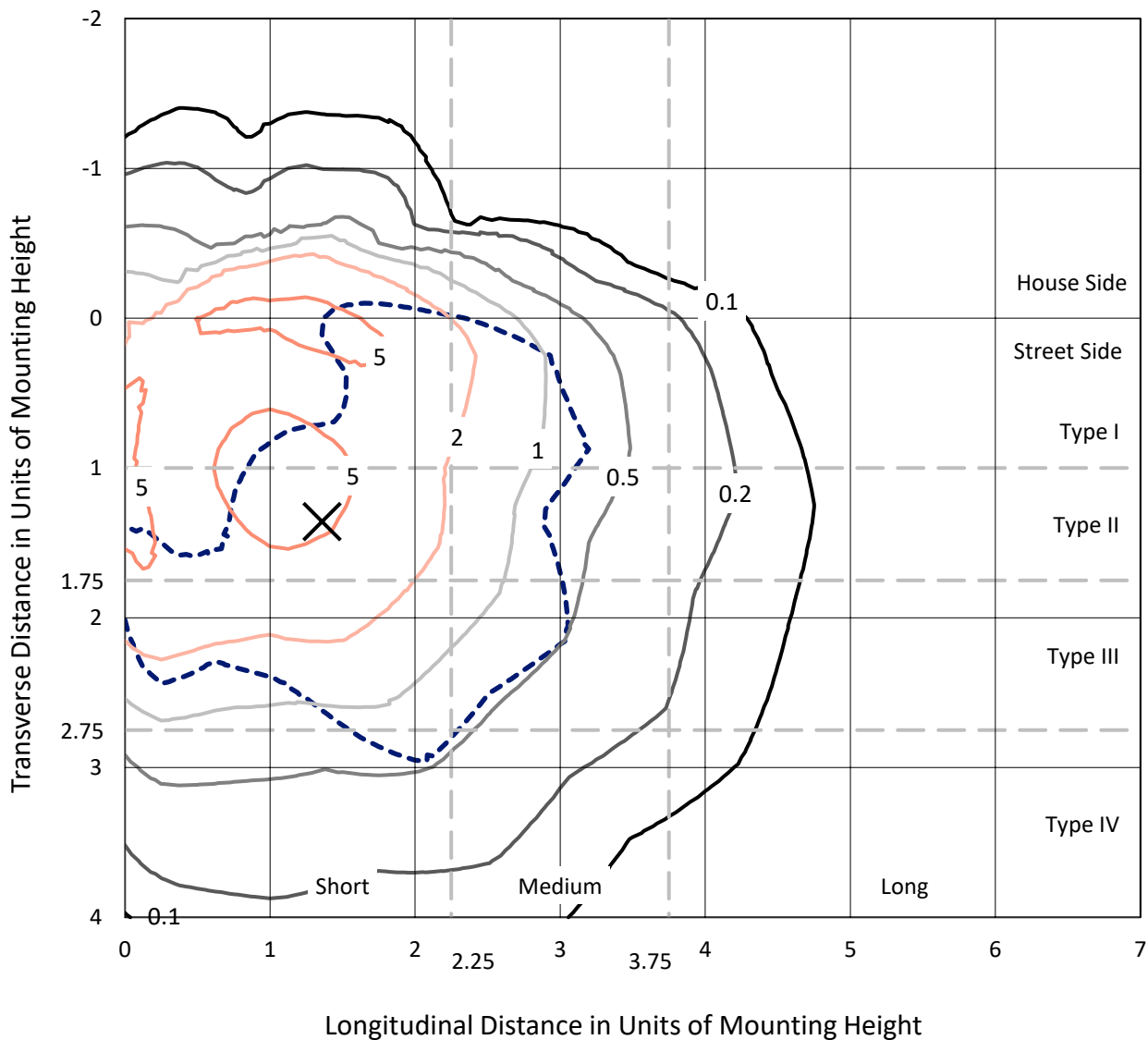
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635900
 CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

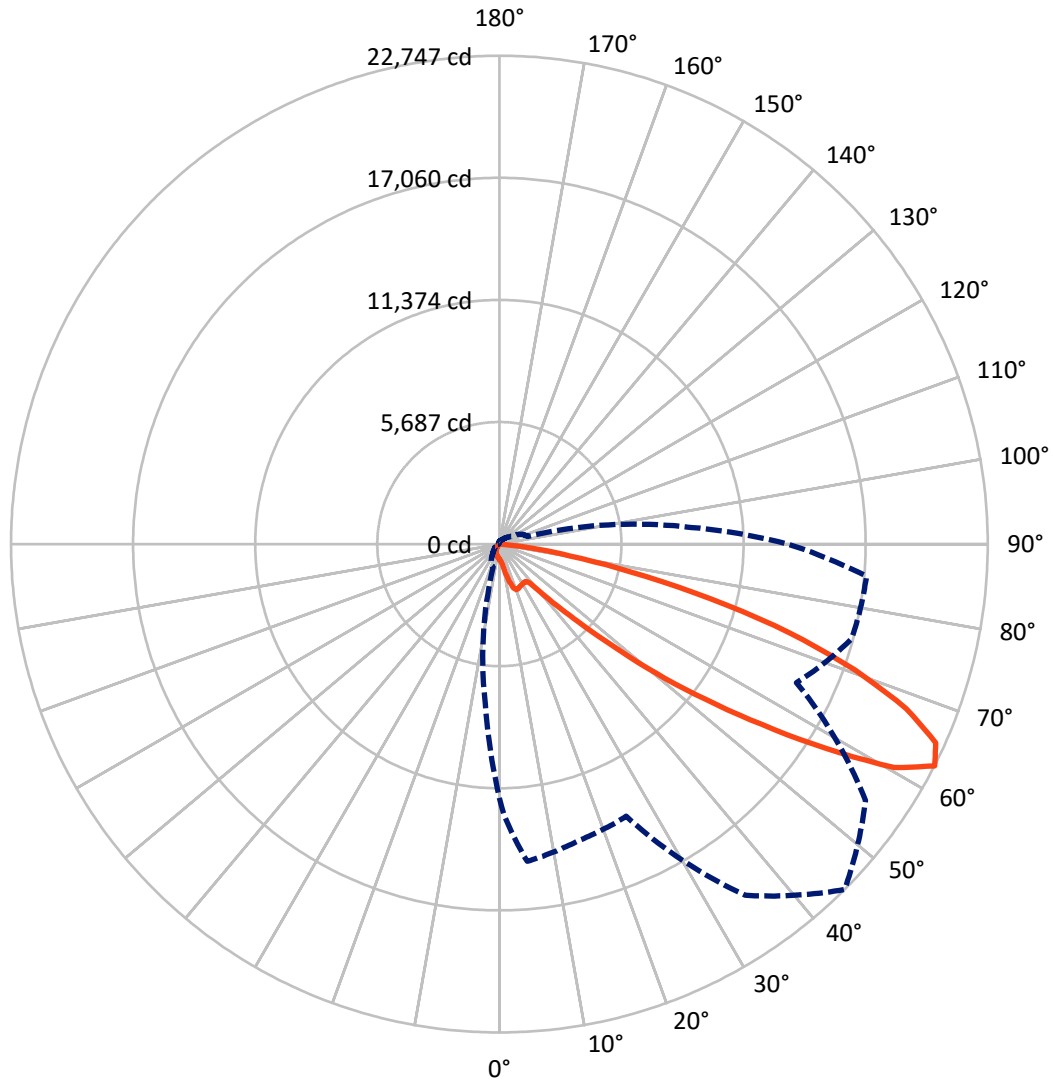
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

REPORT NUMBER: P635900
CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635900
 CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1699.1	0.0	1699.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	12070.2	0.0	12070.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	13769.3	0.0	13769.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	0.5
10°-20°	240.1	1.7
20°-30°	521.8	3.8
30°-40°	856.5	6.2
40°-50°	1574.6	11.4
50°-60°	3381.5	24.6
60°-70°	4541.9	33.0
70°-80°	2365.0	17.2
80°-90°	224.2	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°	13769.3	100.0
0°-180°	13769.3	100.0

Coefficient of Utilization



REPORT NUMBER: P635900

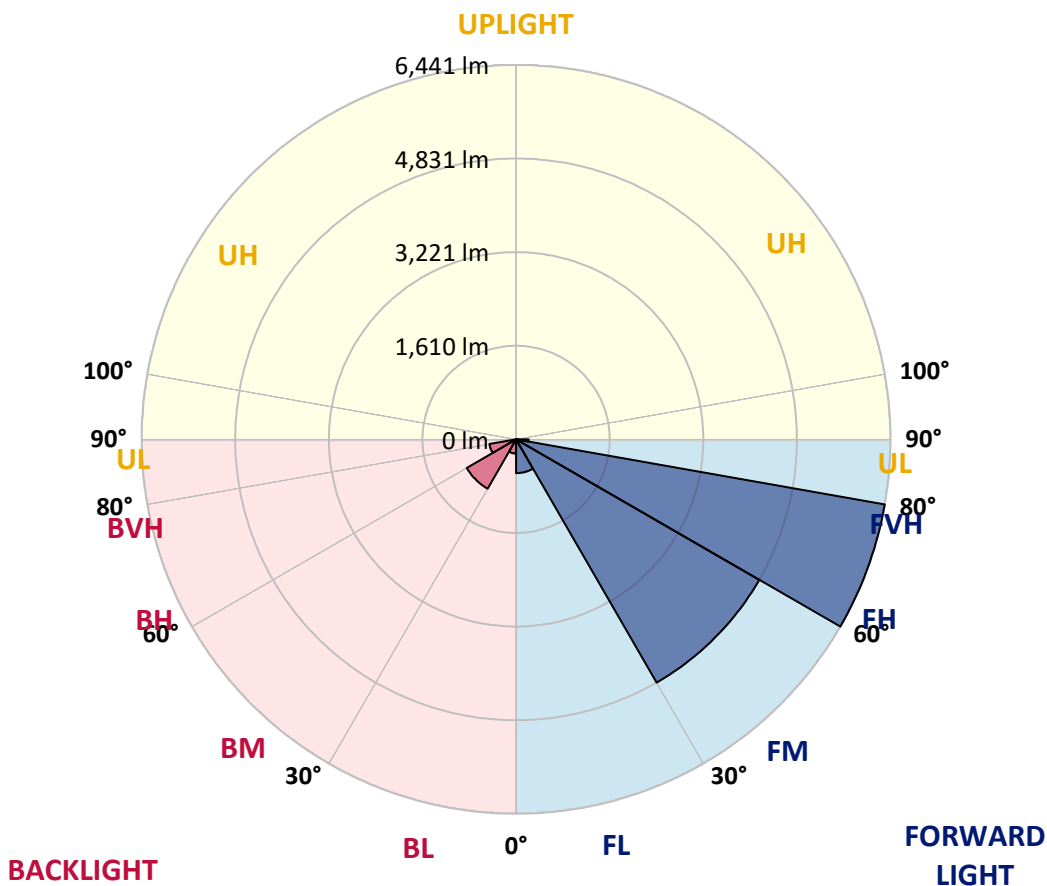
CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.7	4.2			
FM (30°-60°)	4832.9	35.1			
FH (60°-80°)	6441.4	46.8			G3/7500
FVH (80°-90°)	214.2	1.6			G2/225
BL (0°-30°)	243.7	1.8	B1/500		
BM (30°-60°)	979.8	7.1	B1/1000		
BH (60°-80°)	465.6	3.4	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-G3

Type IV Short





REPORT NUMBER: P635900

CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7
2.5°	730.0	733.2	736.4	747.5	755.5	761.8	763.4	758.7	747.5	736.4	720.5
5°	707.8	710.9	722.1	752.3	782.5	806.4	814.3	809.6	782.5	747.5	710.9
7.5°	706.2	712.5	739.6	803.2	868.4	917.7	930.4	919.3	868.4	798.4	723.7
10°	763.4	774.6	814.3	928.8	1048.1	1135.6	1170.6	1122.9	1041.8	914.5	792.1
12.5°	912.9	932.0	1008.4	1175.4	1359.9	1476.0	1523.7	1464.8	1337.6	1153.1	959.1
15°	1148.3	1177.0	1291.5	1541.2	1759.1	1862.5	1878.4	1845.0	1697.0	1493.5	1232.6
17.5°	1480.7	1522.1	1700.2	1954.7	2112.2	2148.7	2144.0	2109.0	2000.8	1860.9	1614.3
20°	1878.4	1927.7	2102.6	2312.6	2328.5	2285.5	2261.7	2241.0	2204.4	2180.5	1988.1
22.5°	2279.2	2339.6	2522.5	2575.0	2431.8	2307.8	2248.9	2264.8	2318.9	2436.6	2358.7
25°	2678.4	2735.6	2907.4	2765.8	2479.6	2272.8	2198.0	2236.2	2365.0	2619.5	2719.7
27.5°	3144.4	3187.3	3289.1	2896.3	2487.5	2244.2	2171.0	2229.9	2387.3	2734.0	3115.7
30°	3629.5	3654.9	3605.6	2931.3	2460.5	2201.2	2144.0	2229.9	2425.5	2810.4	3413.2
32.5°	3985.7	3990.5	3829.9	2934.4	2446.2	2166.2	2118.5	2220.3	2462.1	2874.0	3701.0
35°	4353.1	4329.3	4044.6	2982.1	2484.3	2179.0	2137.6	2247.3	2519.3	2948.7	3953.9
37.5°	4725.3	4682.4	4284.7	3060.1	2582.9	2317.3	2291.9	2385.7	2611.6	3052.1	4232.3
40°	5107.0	5048.2	4534.5	3177.8	2802.4	2788.1	2875.6	2864.5	2864.5	3184.1	4518.5
42.5°	5573.0	5504.6	4903.4	3510.2	3314.6	3634.2	3872.8	3724.9	3451.3	3487.9	4890.7
45°	6188.6	6129.7	5542.8	4146.4	4117.7	4852.6	5173.8	4881.2	4200.5	4189.3	5512.6
47.5°	7173.1	7161.9	6562.3	4884.4	5100.7	6403.3	7023.6	6460.5	5054.5	4932.1	6689.6
50°	8556.8	8523.4	7833.1	5749.6	6269.7	8324.6	9431.5	8493.2	6086.8	5798.9	8265.7
52.5°	10115.4	10150.4	9612.9	6694.3	7511.8	10462.2	12003.3	10821.6	7208.0	6901.1	10249.0
55°	11583.5	11783.9	11642.3	7799.7	8725.4	12822.4	14828.0	13375.9	8596.5	8343.7	12472.5
57.5°	12731.8	13296.4	14288.9	9406.1	10152.0	15583.5	17982.0	16144.9	10217.2	10686.4	15499.2
60°	12795.4	13542.9	15847.5	12766.8	11987.4	17951.7	21131.1	18850.4	12765.2	14664.2	17870.6
62.5°	11836.3	12637.9	14832.8	14293.6	13986.7	19966.9	22747.0	20822.5	15271.8	16994.3	17167.6
65°	10738.9	11548.5	13700.4	12561.6	13754.5	19881.0	22336.7	20868.7	15499.2	15410.1	15909.6
67.5°	9080.0	9806.9	11755.2	11119.0	12677.7	18921.9	20440.8	19553.3	14279.3	14412.9	14635.6
70°	6627.5	7327.3	9135.7	9167.5	11071.3	17193.1	17563.7	17441.2	13150.1	13291.6	12655.4
72.5°	4787.3	5377.4	6937.7	7518.2	8838.3	14417.7	14161.6	14634.0	11282.9	11837.9	10164.7
75°	3441.8	3883.9	5089.5	6540.0	7006.1	10707.1	10137.7	11333.8	9053.0	10193.4	7642.2
77.5°	1396.4	1552.3	2002.4	4405.6	4604.4	7203.3	6206.0	8232.3	6454.2	6697.5	3704.2
80°	57.3	63.6	82.7	2274.4	3157.1	4052.5	3320.9	4400.9	4262.5	2697.5	874.8
82.5°	6.4	6.4	14.3	655.3	1382.1	2236.2	1565.0	2535.2	2158.3	1143.6	397.6
85°	1.6	1.6	3.2	74.8	324.5	357.9	211.5	777.7	1003.6	467.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	14.3	15.9	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: P635900
 CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7
2.5°	720.5	712.5	703.0	693.4	688.7	676.0	671.2	668.0	664.8	666.4	666.4
5°	696.6	679.1	658.5	637.8	626.6	613.9	607.6	604.4	606.0	612.3	612.3
7.5°	693.4	660.0	615.5	588.5	575.8	566.2	559.8	556.7	558.3	566.2	569.4
10°	745.9	687.1	607.6	561.4	547.1	537.6	531.2	526.4	523.3	529.6	531.2
12.5°	858.9	777.7	645.7	558.3	532.8	520.1	515.3	505.8	501.0	504.2	505.8
15°	1092.7	952.7	722.1	571.0	520.1	505.8	497.8	489.9	481.9	480.3	481.9
17.5°	1398.0	1197.6	838.2	601.2	510.5	493.0	481.9	470.8	459.6	458.1	456.5
20°	1776.6	1498.2	1000.4	648.9	502.6	481.9	466.0	450.1	435.8	431.0	431.0
22.5°	2121.7	1860.9	1208.8	707.8	491.5	466.0	446.9	427.8	411.9	404.0	402.4
25°	2543.2	2245.8	1458.5	776.2	475.6	445.3	424.7	405.6	389.7	380.1	376.9
27.5°	2967.8	2651.3	1741.6	865.2	456.5	424.7	405.6	388.1	370.6	359.4	356.3
30°	3379.8	3088.7	2059.7	976.6	442.2	404.0	388.1	370.6	354.7	337.2	332.4
32.5°	3821.9	3535.6	2415.9	1100.6	431.0	389.7	372.2	356.3	335.6	319.7	311.7
35°	4248.2	3996.9	2808.8	1221.5	419.9	376.9	357.9	342.0	319.7	302.2	291.1
37.5°	4677.6	4466.1	3219.1	1294.6	404.0	359.4	342.0	329.2	303.8	283.1	270.4
40°	5132.5	4951.2	3662.9	1264.4	389.7	340.4	330.8	316.5	287.9	264.0	248.1
42.5°	5631.9	5414.0	4114.6	1148.3	376.9	324.5	314.9	300.6	273.6	244.9	224.3
45°	6260.1	5921.4	4485.1	973.4	383.3	308.6	289.5	286.3	260.8	224.3	198.8
47.5°	7340.1	6700.7	4773.0	860.4	426.2	291.1	268.8	276.7	249.7	203.6	175.0
50°	8992.6	7992.2	5041.8	852.5	491.5	283.1	249.7	270.4	238.6	182.9	154.3
52.5°	10567.1	9304.3	5213.6	922.5	548.7	303.8	230.6	262.4	230.6	168.6	140.0
55°	12073.3	10061.4	4906.6	973.4	602.8	365.8	216.3	249.7	221.1	160.6	135.2
57.5°	13697.2	10398.5	3863.3	1076.8	641.0	418.3	219.5	230.6	208.4	155.9	133.6
60°	14182.3	9967.5	2331.6	1211.9	620.3	434.2	243.3	205.2	190.9	146.3	128.8
62.5°	13428.4	8944.9	1375.8	1103.8	602.8	410.3	278.3	189.3	173.4	133.6	119.3
65°	12300.8	7556.4	897.0	932.0	639.4	365.8	295.8	181.3	157.5	120.9	105.0
67.5°	11012.5	6086.8	628.2	550.3	590.1	329.2	249.7	179.7	141.6	101.8	85.9
70°	9275.7	4558.3	442.2	364.2	491.5	292.6	194.0	175.0	124.1	82.7	66.8
72.5°	7166.7	2853.3	329.2	235.4	349.9	238.6	154.3	147.9	100.2	68.4	50.9
75°	5285.2	1627.1	232.2	170.2	230.6	181.3	114.5	105.0	85.9	65.2	46.1
77.5°	2759.5	814.3	144.7	130.4	132.0	112.9	82.7	76.3	79.5	65.2	42.9
80°	529.6	162.2	87.5	95.4	71.6	71.6	60.4	63.6	70.0	52.5	36.6
82.5°	221.1	35.0	47.7	54.1	44.5	49.3	49.3	50.9	49.3	38.2	27.0
85°	0.0	0.0	20.7	22.3	30.2	30.2	25.4	25.4	25.4	22.3	15.9
87.5°	0.0	0.0	0.0	0.0	1.6	4.8	9.5	11.1	12.7	9.5	6.4
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: P635900
 CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7
2.5°	664.8	661.6	666.4	669.6	672.8	672.8	669.6	666.4	661.6	666.4	661.6
5°	613.9	618.7	626.6	629.8	633.0	626.6	623.5	613.9	606.0	607.6	604.4
7.5°	574.2	578.9	588.5	594.8	594.8	591.7	582.1	572.6	559.8	559.8	558.3
10°	537.6	543.9	555.1	563.0	566.2	563.0	553.5	540.8	529.6	529.6	524.9
12.5°	507.4	515.3	528.0	539.2	542.4	539.2	529.6	516.9	504.2	504.2	501.0
15°	481.9	491.5	505.8	518.5	523.3	518.5	507.4	491.5	478.7	480.3	475.6
17.5°	458.1	466.0	485.1	499.4	504.2	499.4	485.1	464.4	451.7	454.9	451.7
20°	431.0	440.6	459.6	475.6	480.3	475.6	459.6	437.4	424.7	424.7	426.2
22.5°	402.4	411.9	431.0	442.2	448.5	443.7	427.8	407.2	394.4	394.4	396.0
25°	376.9	381.7	396.0	407.2	408.8	404.0	391.3	375.4	365.8	370.6	372.2
27.5°	353.1	353.1	359.4	365.8	364.2	359.4	354.7	342.0	340.4	345.1	349.9
30°	327.6	319.7	316.5	311.7	310.1	308.6	313.3	313.3	316.5	322.9	327.6
32.5°	305.4	289.5	275.2	260.8	252.9	259.2	272.0	283.1	294.2	303.8	308.6
35°	279.9	254.5	230.6	211.5	198.8	208.4	229.0	249.7	268.8	281.5	289.5
37.5°	254.5	217.9	189.3	165.4	155.9	163.8	186.1	214.7	243.3	259.2	270.4
40°	227.4	181.3	147.9	128.8	119.3	127.2	149.5	178.1	216.3	237.0	251.3
42.5°	200.4	149.5	119.3	100.2	95.4	100.2	117.7	146.3	187.7	213.1	232.2
45°	173.4	124.1	95.4	81.1	76.3	81.1	95.4	119.3	160.6	189.3	211.5
47.5°	149.5	105.0	79.5	66.8	63.6	68.4	79.5	100.2	135.2	163.8	189.3
50°	130.4	92.2	68.4	57.3	54.1	58.8	68.4	84.3	114.5	140.0	167.0
52.5°	117.7	85.9	60.4	49.3	47.7	50.9	58.8	71.6	97.0	119.3	144.7
55°	114.5	85.9	55.7	44.5	42.9	46.1	52.5	62.0	84.3	103.4	125.6
57.5°	117.7	92.2	52.5	38.2	36.6	39.8	46.1	54.1	73.2	89.1	109.7
60°	117.7	93.8	46.1	30.2	28.6	31.8	38.2	47.7	65.2	77.9	95.4
62.5°	106.6	85.9	38.2	23.9	20.7	23.9	31.8	39.8	57.3	70.0	84.3
65°	92.2	73.2	31.8	17.5	14.3	17.5	25.4	33.4	49.3	60.4	76.3
67.5°	74.8	55.7	23.9	12.7	9.5	12.7	19.1	27.0	41.4	52.5	68.4
70°	55.7	39.8	19.1	11.1	9.5	11.1	17.5	25.4	36.6	47.7	63.6
72.5°	41.4	27.0	15.9	11.1	8.0	11.1	15.9	23.9	35.0	46.1	60.4
75°	35.0	22.3	14.3	9.5	8.0	9.5	14.3	22.3	31.8	42.9	57.3
77.5°	33.4	20.7	12.7	8.0	6.4	8.0	12.7	19.1	28.6	39.8	55.7
80°	28.6	17.5	11.1	6.4	4.8	6.4	11.1	15.9	22.3	30.2	42.9
82.5°	22.3	14.3	8.0	3.2	1.6	3.2	8.0	9.5	14.3	17.5	25.4
85°	14.3	8.0	3.2	0.0	0.0	0.0	3.2	6.4	6.4	8.0	12.7
87.5°	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8
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: P635900
 CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7	715.7
2.5°	671.2	672.8	676.0	680.7	691.9	701.4	710.9	723.7	730.0	730.0
5°	607.6	609.2	610.7	617.1	633.0	645.7	666.4	691.9	704.6	707.8
7.5°	558.3	561.4	564.6	569.4	585.3	602.8	629.8	677.5	701.4	706.2
10°	529.6	534.4	540.8	550.3	564.6	583.7	629.8	715.7	755.5	763.4
12.5°	507.4	515.3	521.7	532.8	550.3	580.5	672.8	823.9	893.8	912.9
15°	485.1	494.6	504.2	515.3	534.4	591.7	755.5	1017.9	1134.0	1148.3
17.5°	462.8	474.0	486.7	499.4	523.3	618.7	885.9	1286.7	1448.9	1480.7
20°	437.4	451.7	469.2	485.1	512.1	661.6	1067.2	1606.4	1810.0	1878.4
22.5°	410.3	427.8	448.5	469.2	499.4	714.1	1286.7	1949.9	2234.6	2279.2
25°	388.1	405.6	424.7	445.3	478.7	777.7	1552.3	2376.2	2635.4	2678.4
27.5°	367.4	384.9	402.4	421.5	458.1	860.4	1872.0	2829.5	3099.8	3144.4
30°	345.1	365.8	383.3	402.4	439.0	962.2	2241.0	3332.1	3588.1	3629.5
32.5°	326.0	346.7	364.2	383.3	424.7	1073.6	2629.1	3777.4	3985.7	3985.7
35°	310.1	332.4	345.1	370.6	413.5	1145.1	2996.5	4202.0	4359.5	4353.1
37.5°	292.6	319.7	329.2	346.7	399.2	1153.1	3341.6	4650.6	4766.7	4725.3
40°	275.2	303.8	318.1	327.6	383.3	1087.9	3720.1	5062.5	5161.1	5107.0
42.5°	259.2	281.5	302.2	313.3	373.8	973.4	4023.9	5503.1	5620.8	5573.0
45°	243.3	262.4	275.2	295.8	380.1	893.8	4284.7	6016.8	6223.5	6188.6
47.5°	227.4	243.3	251.3	283.1	423.1	857.3	4443.8	6812.0	7201.7	7173.1
50°	209.9	229.0	229.0	279.9	486.7	870.0	4582.2	7963.5	8566.3	8556.8
52.5°	192.4	213.1	209.9	303.8	536.0	928.8	4739.6	8979.8	10028.0	10115.4
55°	175.0	194.0	197.2	351.5	564.6	979.7	4130.5	9407.7	11276.5	11583.5
57.5°	155.9	167.0	205.2	388.1	555.1	1127.6	2829.5	9485.6	12073.3	12731.8
60°	135.2	144.7	232.2	380.1	524.9	1041.8	1781.3	8785.8	11960.4	12795.4
62.5°	117.7	133.6	244.9	335.6	534.4	903.4	1135.6	7488.0	10883.6	11836.3
65°	103.4	128.8	222.7	303.8	540.8	612.3	766.6	6091.5	9832.3	10738.9
67.5°	92.2	143.1	182.9	270.4	464.4	431.0	526.4	4733.3	8267.3	9080.0
70°	84.3	146.3	149.5	232.2	359.4	276.7	346.7	3185.7	5698.7	6627.5
72.5°	76.3	108.2	112.9	186.1	232.2	168.6	224.3	1822.7	4154.3	4787.3
75°	73.2	73.2	77.9	120.9	128.8	122.5	144.7	1087.9	2979.0	3441.8
77.5°	68.4	55.7	49.3	77.9	70.0	87.5	85.9	483.5	1291.5	1396.4
80°	54.1	39.8	33.4	49.3	47.7	58.8	50.9	39.8	58.8	57.3
82.5°	33.4	25.4	23.9	30.2	27.0	30.2	23.9	6.4	6.4	6.4
85°	15.9	14.3	12.7	12.7	14.3	12.7	9.5	3.2	1.6	1.6
87.5°	8.0	8.0	6.4	4.8	6.4	6.4	4.8	1.6	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)