

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: P630618

Luminaire Tested: GWS-SA1E-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2977.8 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

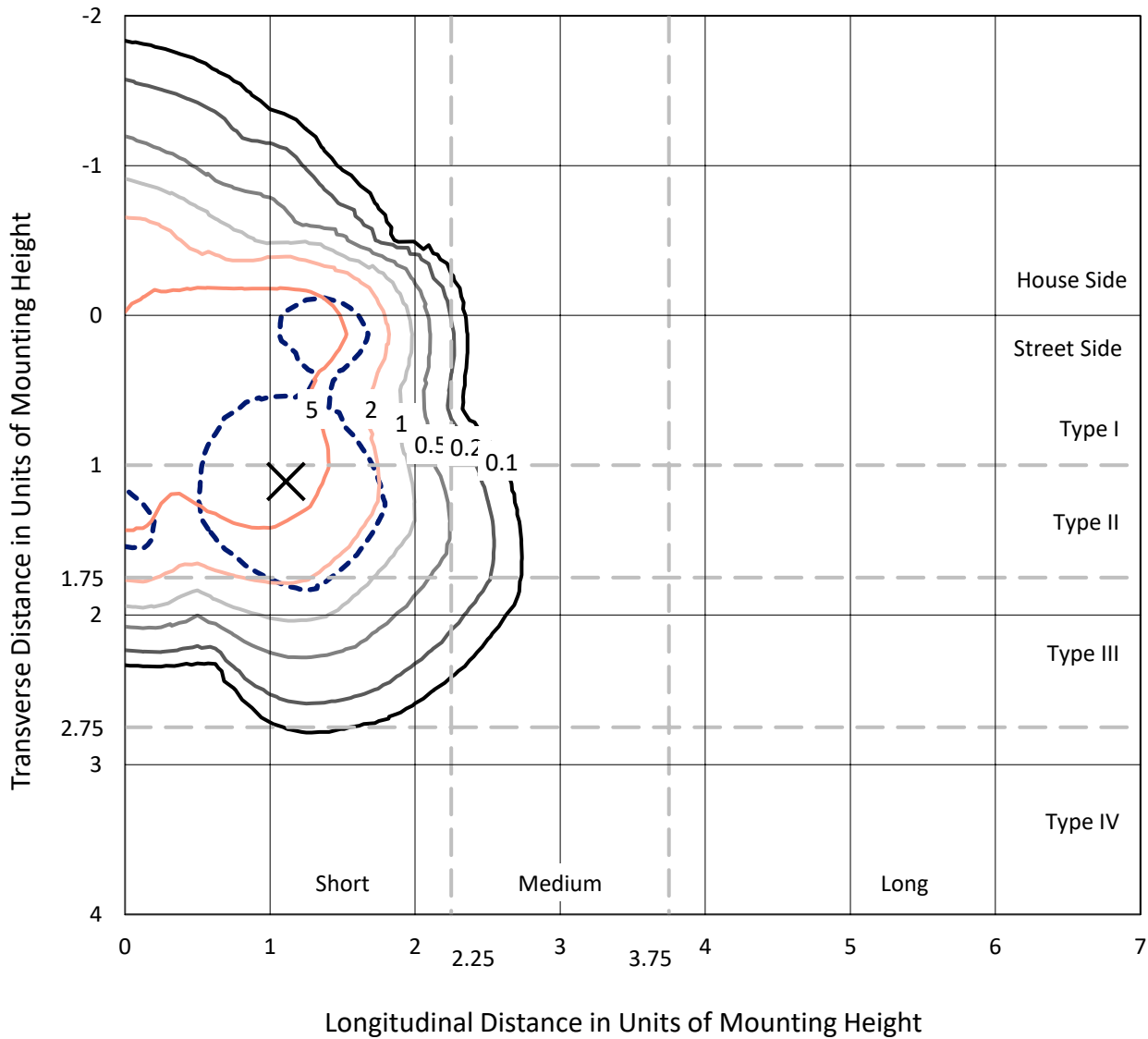
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630618
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

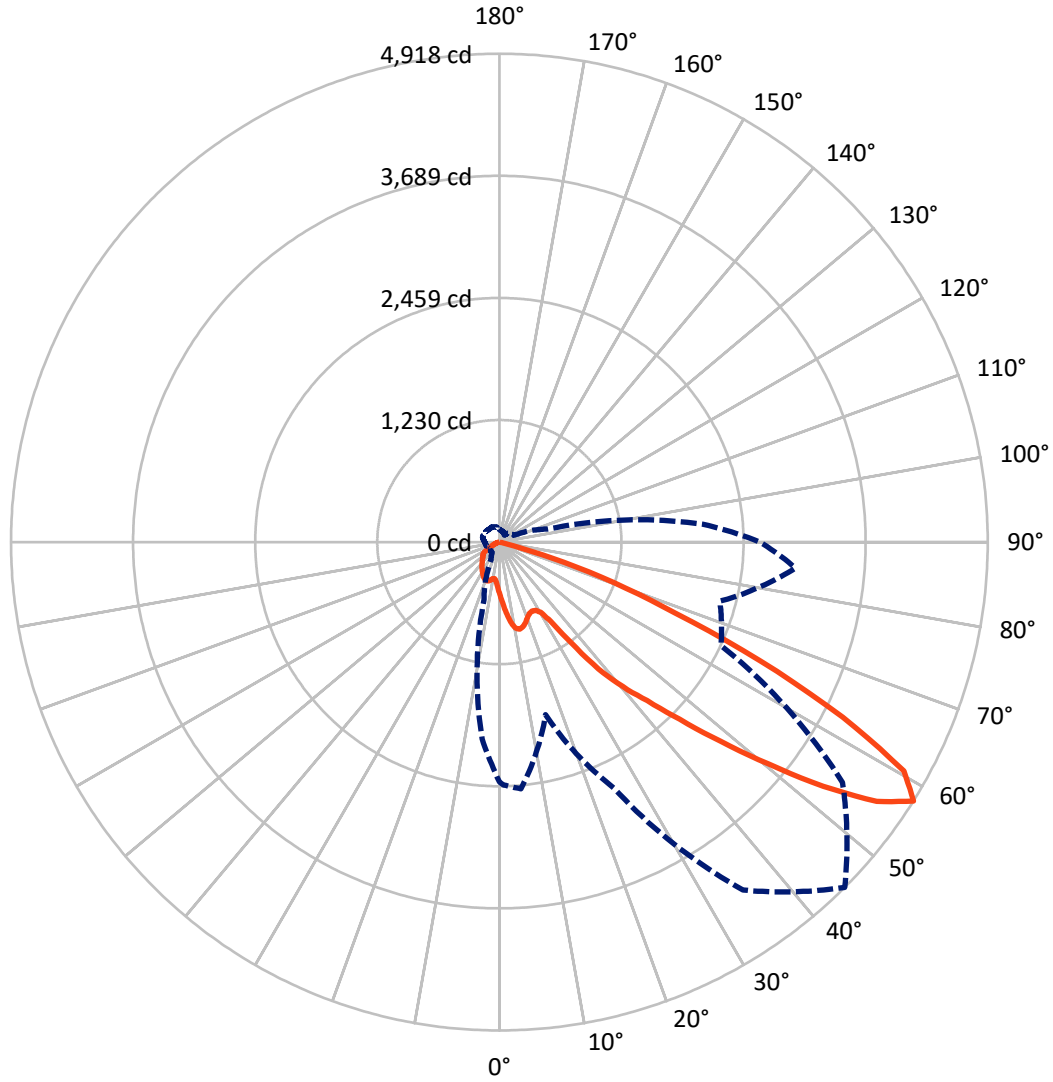
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

REPORT NUMBER: P630618
CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630618
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

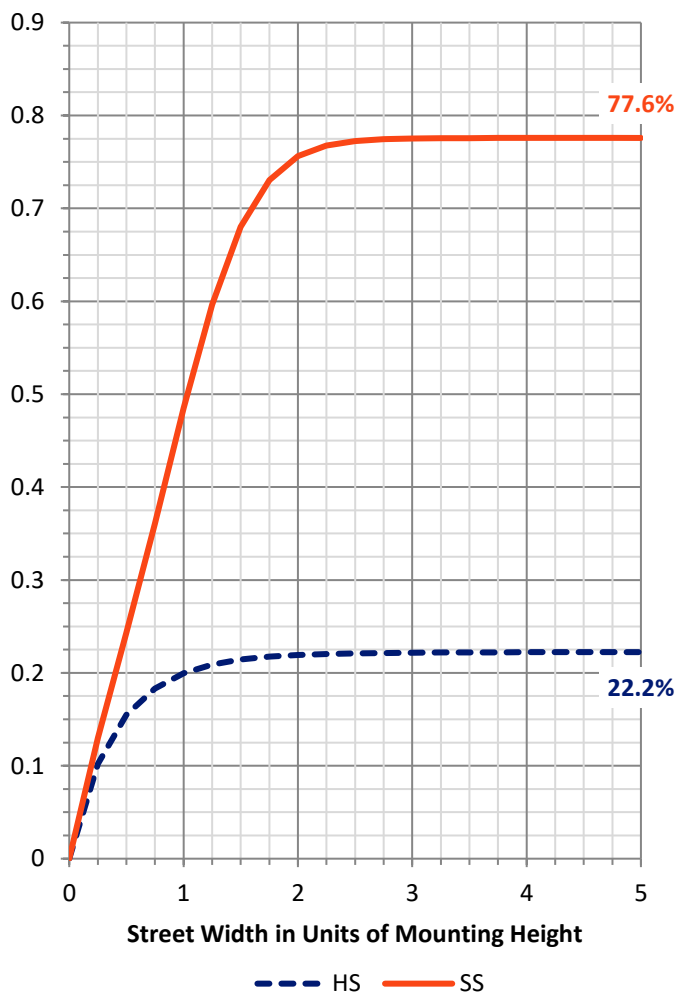
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.8	0.0	666.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2311.0	0.0	2311.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	2977.8	0.0	2977.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	1.7
10°-20°	166.6	5.6
20°-30°	270.6	9.1
30°-40°	418.1	14.0
40°-50°	670.4	22.5
50°-60°	916.2	30.8
60°-70°	443.7	14.9
70°-80°	40.6	1.4
80°-90°	0.1	0.0
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°	2977.8	100.0
0°-180°	2977.8	100.0

Coefficient of Utilization



REPORT NUMBER: P630618

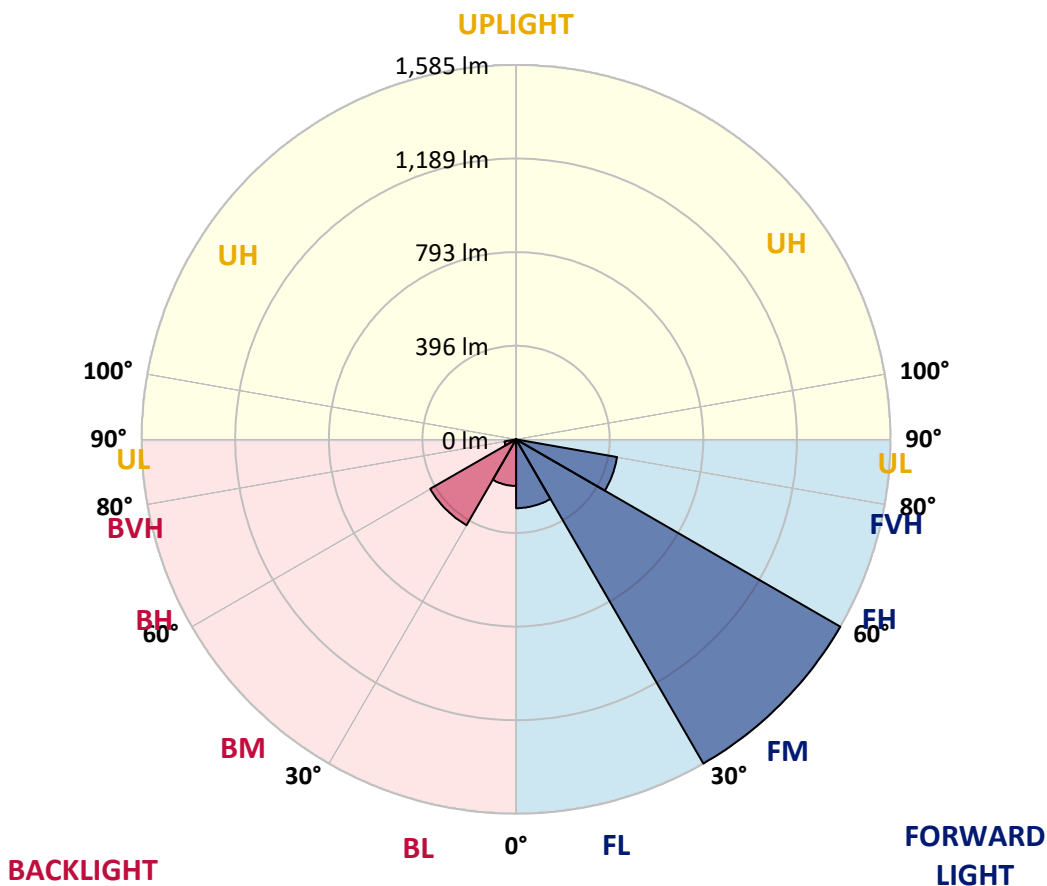
CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.3	9.8			
FM (30°-60°)	1585.2	53.2			
FH (60°-80°)	434.4	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	197.3	6.6	B1/500		
BM (30°-60°)	419.5	14.1	B1/1000		
BH (60°-80°)	50.0	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





REPORT NUMBER: P630618
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4
2.5°	567.0	570.6	576.6	589.4	600.2	607.4	610.6	609.8	605.4	602.2	595.8
5°	627.8	627.8	639.4	668.6	691.0	705.0	712.2	707.8	699.0	685.0	663.4
7.5°	681.0	683.0	702.6	744.3	778.3	798.3	809.9	807.5	791.9	765.1	721.8
10°	722.6	725.0	751.1	801.9	841.9	862.3	879.5	881.1	863.9	828.3	778.7
12.5°	763.1	765.5	792.7	841.5	876.7	885.1	900.3	906.3	901.9	876.7	825.1
15°	806.7	812.3	835.5	871.9	886.7	876.7	886.7	897.5	912.3	909.9	863.5
17.5°	849.5	853.5	877.1	889.9	873.5	847.5	852.3	865.1	898.7	931.5	901.5
20°	889.1	894.7	914.3	897.5	847.9	807.5	807.9	824.7	875.9	944.7	940.3
22.5°	930.7	939.1	953.1	905.9	824.3	775.9	777.9	793.1	857.9	957.1	984.3
25°	985.1	993.1	1002.3	926.7	816.7	760.3	767.9	781.9	857.9	978.3	1038.8
27.5°	1058.8	1064.4	1064.8	965.5	829.9	762.7	778.7	794.7	883.5	1020.8	1111.6
30°	1151.2	1160.0	1148.4	1026.0	871.1	794.7	818.3	838.3	938.7	1092.4	1218.8
32.5°	1263.6	1276.0	1260.4	1115.6	957.1	905.1	947.9	959.5	1026.8	1196.0	1340.5
35°	1395.7	1406.1	1389.3	1239.6	1158.0	1167.6	1245.2	1230.4	1203.6	1323.7	1482.5
37.5°	1540.5	1550.1	1517.7	1427.7	1454.9	1496.5	1620.6	1569.7	1483.3	1488.1	1636.6
40°	1673.4	1683.8	1633.0	1632.2	1688.2	1764.2	1913.9	1843.8	1726.2	1703.4	1781.0
42.5°	1811.0	1818.2	1772.2	1741.0	1868.2	2024.7	2183.2	2088.7	1887.1	1862.2	1961.9
45°	2007.5	2022.7	1940.7	1794.6	2030.3	2324.4	2545.3	2360.8	1996.7	1976.7	2238.8
47.5°	2296.4	2307.6	2140.3	1828.2	2181.2	2697.7	2997.8	2713.7	2093.1	2047.5	2617.3
50°	2535.3	2542.9	2324.0	1865.0	2341.6	3100.3	3513.6	3132.3	2201.6	2164.7	2970.6
52.5°	2711.3	2740.1	2565.3	1940.7	2552.5	3573.6	4084.6	3628.0	2370.8	2391.2	3263.5
55°	2747.7	2787.0	2730.1	1987.1	2738.1	4055.8	4612.0	4071.8	2539.7	2562.9	3362.0
57.5°	2414.8	2446.0	2493.3	1799.8	2733.7	4276.7	4918.1	4219.1	2462.8	2298.4	2993.4
60°	1809.0	1830.6	1916.3	1375.7	2514.1	4081.4	4679.6	3968.6	2153.5	1753.8	2280.8
62.5°	1072.8	1082.4	1190.8	891.1	2086.7	3514.8	3880.9	3424.4	1701.8	1179.6	1396.9
65°	411.7	407.7	490.6	439.8	1534.5	2799.8	2886.6	2610.5	1167.6	540.6	532.6
67.5°	63.6	60.8	82.0	130.0	1106.8	1940.3	1904.7	1881.4	731.5	126.0	110.0
70°	14.4	14.4	17.6	38.4	676.2	1140.0	1220.0	1163.2	468.2	26.8	14.4
72.5°	6.8	6.8	8.4	16.4	244.9	469.8	547.4	539.0	152.1	8.8	5.2
75°	2.4	2.8	2.8	3.6	14.8	24.4	56.0	40.0	9.6	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	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: P630618
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4
2.5°	581.8	579.0	568.6	554.6	541.0	529.0	516.6	501.8	491.0	478.6	474.6
5°	646.6	629.0	600.6	571.0	543.8	520.6	498.2	474.2	456.6	439.0	432.9
7.5°	701.4	675.4	629.4	585.0	547.8	515.0	482.6	449.8	424.1	403.3	396.9
10°	750.7	720.6	659.0	604.2	557.4	519.4	480.2	439.0	405.7	380.9	374.9
12.5°	793.1	758.3	684.2	618.6	561.4	517.8	479.8	447.0	416.9	388.5	380.9
15°	828.7	790.3	705.4	628.2	555.4	497.8	464.6	459.4	457.0	425.7	410.9
17.5°	863.5	820.3	722.6	632.6	538.6	462.6	438.6	462.2	487.4	467.0	448.2
20°	899.9	850.7	740.3	633.4	510.6	422.9	418.9	456.2	488.2	481.8	464.2
22.5°	942.7	888.7	762.3	633.0	475.4	389.3	404.5	444.6	470.6	470.2	456.2
25°	1004.7	936.7	791.9	635.4	437.0	363.3	388.5	424.9	446.2	445.4	433.7
27.5°	1071.2	993.9	830.3	641.4	404.1	348.1	369.7	398.1	416.5	415.7	405.7
30°	1164.4	1060.0	867.1	641.8	380.5	340.1	348.9	368.5	386.1	384.1	376.5
32.5°	1277.6	1134.4	897.9	619.0	365.7	332.5	327.3	337.3	350.9	348.1	346.1
35°	1414.5	1222.8	924.3	569.0	342.9	317.3	303.3	305.3	314.9	316.5	315.7
37.5°	1570.5	1328.1	957.1	503.0	312.1	295.3	276.5	274.9	280.5	285.7	289.7
40°	1724.6	1446.5	1001.5	436.2	284.1	267.3	249.3	245.3	247.7	256.9	265.3
42.5°	1897.9	1583.7	1049.6	378.9	264.9	236.5	219.3	211.7	218.5	233.3	243.3
45°	2147.5	1776.2	1096.4	333.3	256.9	209.3	186.1	185.3	192.9	212.1	223.3
47.5°	2498.1	2025.1	1127.2	297.7	256.5	188.1	160.5	165.3	174.1	192.9	205.7
50°	2839.8	2336.8	1093.2	270.5	248.1	174.1	141.2	150.9	159.7	176.1	189.3
52.5°	3045.8	2504.5	960.7	244.9	222.1	167.7	122.4	139.2	140.8	155.7	169.7
55°	3024.2	2396.0	735.9	205.3	183.7	158.5	102.8	125.6	126.4	137.6	149.7
57.5°	2624.9	2057.1	505.4	166.5	138.0	130.8	84.8	106.0	113.6	120.4	129.2
60°	1956.3	1500.9	225.3	135.2	87.6	88.4	72.4	80.0	91.6	99.6	107.2
62.5°	1152.8	863.5	91.6	81.2	48.4	55.6	58.4	58.4	65.6	71.6	76.4
65°	435.8	302.1	37.2	40.8	25.2	26.0	34.4	42.4	48.0	53.2	59.6
67.5°	76.4	52.8	19.2	15.2	14.8	13.2	17.6	27.6	30.8	34.8	37.6
70°	12.8	10.8	8.0	7.6	6.8	7.2	11.6	19.6	21.6	22.8	24.0
72.5°	3.6	3.2	2.4	2.0	1.6	2.0	7.2	15.2	16.0	16.8	18.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	10.8	11.6	12.0	13.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	4.0	3.2
80°	0.0	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: P630618

CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4
2.5°	472.2	464.2	459.8	457.4	457.4	454.2	450.6	449.4	454.6	454.6	463.4
5°	425.3	418.9	411.7	407.3	400.5	401.7	397.7	397.3	402.5	404.9	414.1
7.5°	392.9	384.9	380.5	377.7	374.1	372.5	368.9	367.7	370.5	374.5	383.3
10°	371.3	370.1	369.7	371.7	371.7	369.7	366.5	364.5	365.3	372.9	382.9
12.5°	376.9	379.3	380.1	383.3	384.9	383.3	380.9	381.7	386.9	400.9	415.7
15°	401.3	399.3	398.5	400.1	401.3	399.7	398.9	404.9	422.9	443.0	459.8
17.5°	427.3	414.5	408.9	408.9	409.7	408.9	409.7	421.3	450.6	470.6	483.0
20°	440.6	416.9	408.1	406.1	407.7	408.1	410.9	424.1	456.2	470.2	473.0
22.5°	436.6	406.9	396.9	395.3	396.9	398.5	401.3	412.5	442.6	449.8	448.6
25°	416.5	387.3	379.3	379.3	382.9	382.5	383.7	391.7	416.5	420.9	418.9
27.5°	391.3	363.7	356.9	360.9	364.1	363.3	363.7	370.5	388.9	390.1	388.1
30°	365.7	341.7	335.3	340.1	344.5	343.7	344.1	350.9	362.5	361.3	358.5
32.5°	339.7	322.1	317.3	320.1	326.9	326.1	327.7	334.9	339.3	334.1	330.9
35°	315.7	306.5	302.9	304.5	309.7	310.9	313.7	318.5	318.5	312.1	306.5
37.5°	293.3	292.1	289.7	287.7	292.5	296.1	300.1	305.7	297.7	288.5	283.3
40°	272.5	277.7	274.5	269.3	272.1	277.3	285.3	289.7	280.1	270.9	262.1
42.5°	253.3	262.1	260.9	254.5	256.9	261.7	270.9	274.5	263.3	252.9	244.5
45°	234.9	247.3	248.1	240.1	242.5	247.3	258.1	259.3	244.9	233.7	227.7
47.5°	218.9	232.5	232.9	226.9	227.7	234.5	244.5	244.9	228.5	218.1	210.5
50°	203.7	219.3	220.5	215.3	216.1	224.1	232.5	230.9	213.3	202.5	195.7
52.5°	185.3	206.5	209.3	206.9	210.1	216.5	221.7	216.1	195.7	184.9	178.9
55°	165.3	192.9	198.9	197.3	200.9	206.1	207.3	203.7	178.1	167.3	161.7
57.5°	142.0	158.9	169.3	166.1	168.9	174.1	177.7	174.9	155.7	147.3	142.4
60°	117.6	128.8	131.2	126.0	123.6	132.8	141.2	137.6	121.2	116.0	110.4
62.5°	86.0	98.8	100.4	93.6	90.8	100.8	108.0	104.4	86.4	80.8	76.4
65°	68.8	80.8	84.0	77.6	76.0	83.6	88.0	79.2	66.4	60.4	55.6
67.5°	45.2	54.8	63.2	62.8	59.6	62.0	58.8	51.6	42.4	39.2	36.0
70°	28.0	33.6	38.8	40.8	40.4	39.6	35.2	30.0	27.2	26.0	24.4
72.5°	21.6	27.2	31.2	32.4	32.8	31.6	28.0	23.2	20.4	18.8	17.6
75°	16.0	20.4	23.6	25.2	26.0	25.2	21.6	18.4	15.6	14.4	13.2
77.5°	5.6	6.8	8.4	9.2	8.8	8.4	7.6	7.6	6.0	5.6	4.8
80°	0.0	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: P630618

CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4
2.5°	473.4	480.6	493.8	505.8	518.6	531.8	546.2	561.0	567.8	567.0
5°	428.1	443.8	465.4	489.0	515.4	543.8	575.4	607.8	621.8	627.8
7.5°	399.7	421.7	450.2	480.2	515.0	555.4	603.0	653.8	674.2	681.0
10°	403.3	428.9	452.6	481.8	519.0	571.4	630.6	691.0	715.0	722.6
12.5°	432.5	438.2	444.6	468.6	515.4	583.4	655.8	727.9	755.5	763.1
15°	459.0	432.9	420.9	443.0	502.6	591.8	681.4	767.5	797.9	806.7
17.5°	460.2	420.9	394.1	411.3	481.8	595.4	706.6	807.9	841.1	849.5
20°	445.4	407.7	373.3	373.7	453.4	594.6	727.5	844.3	881.5	889.1
22.5°	423.7	392.1	356.5	344.1	422.9	593.0	750.3	883.1	923.5	930.7
25°	399.7	372.1	340.5	321.7	392.5	594.6	782.3	933.9	978.3	985.1
27.5°	373.7	350.1	328.1	312.9	366.9	600.6	820.7	998.7	1051.6	1058.8
30°	346.5	328.9	320.1	310.9	350.9	602.2	862.3	1074.4	1141.2	1151.2
32.5°	319.7	310.1	310.5	312.1	335.7	591.0	900.3	1158.4	1247.6	1263.6
35°	294.9	292.1	300.1	308.1	313.7	562.2	933.5	1257.6	1379.3	1395.7
37.5°	273.7	276.1	286.1	294.1	289.7	521.4	977.5	1381.7	1526.5	1540.5
40°	253.3	259.3	270.9	274.5	271.3	473.8	1030.4	1501.3	1654.2	1673.4
42.5°	234.5	238.9	255.3	256.1	266.1	425.3	1081.2	1630.2	1801.0	1811.0
45°	219.3	218.5	235.3	240.5	272.9	371.7	1130.8	1801.8	1993.1	2007.5
47.5°	204.5	203.7	207.7	231.3	275.7	322.1	1180.0	2053.1	2271.6	2296.4
50°	190.5	191.7	179.3	226.9	260.5	284.1	1202.4	2285.6	2524.9	2535.3
52.5°	178.1	173.7	152.1	212.5	228.1	248.1	1138.8	2391.2	2681.7	2711.3
55°	160.5	136.0	125.2	172.5	180.1	216.5	932.7	2330.0	2695.3	2747.7
57.5°	137.2	106.8	106.4	127.2	127.2	200.9	597.4	1990.7	2322.8	2414.8
60°	105.6	82.8	88.0	88.4	81.6	146.5	335.3	1442.1	1717.4	1809.0
62.5°	75.2	63.2	66.4	52.8	46.8	73.2	160.9	830.3	1060.0	1072.8
65°	50.4	42.8	34.8	29.2	28.8	31.2	66.4	300.1	364.9	411.7
67.5°	33.2	26.0	18.4	18.4	20.8	20.8	25.2	49.6	69.6	63.6
70°	21.6	18.0	11.6	11.2	13.6	13.6	12.8	13.6	14.4	14.4
72.5°	16.0	13.6	6.8	6.0	7.6	8.0	7.2	6.8	6.8	6.8
75°	12.0	9.6	4.0	2.8	3.6	4.8	4.0	2.8	2.8	2.4
77.5°	4.8	3.6	1.6	1.2	2.0	2.8	2.4	1.2	0.8	0.8
80°	0.4	0.8	0.8	0.8	1.2	1.6	2.0	0.8	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.8	1.2	1.6	0.8	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.8	1.2	0.8	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.2	0.8	0.4	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)