

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: P629906

Luminaire Tested: GWS-SA1C-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4655.4 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

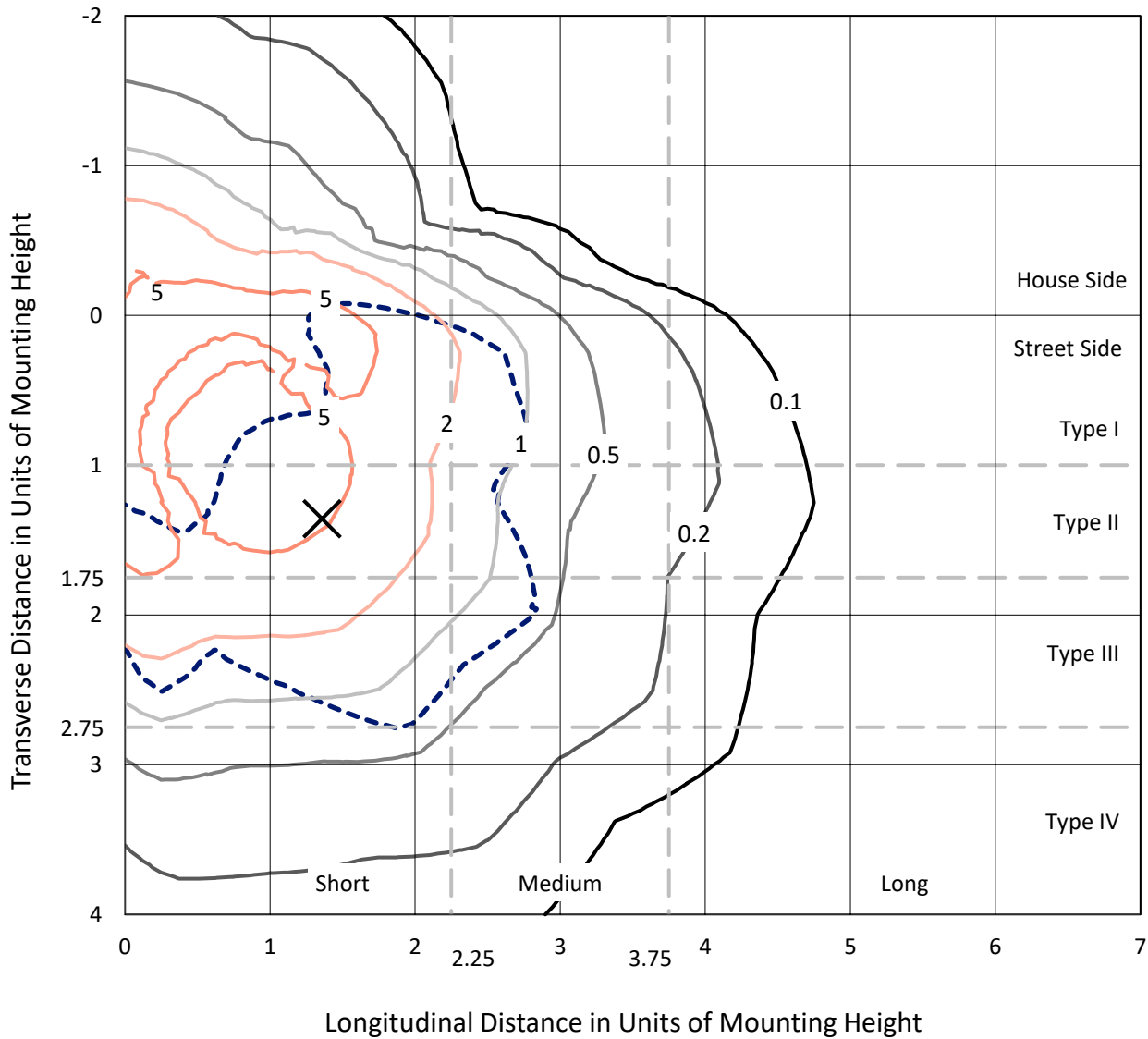
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629906
 CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

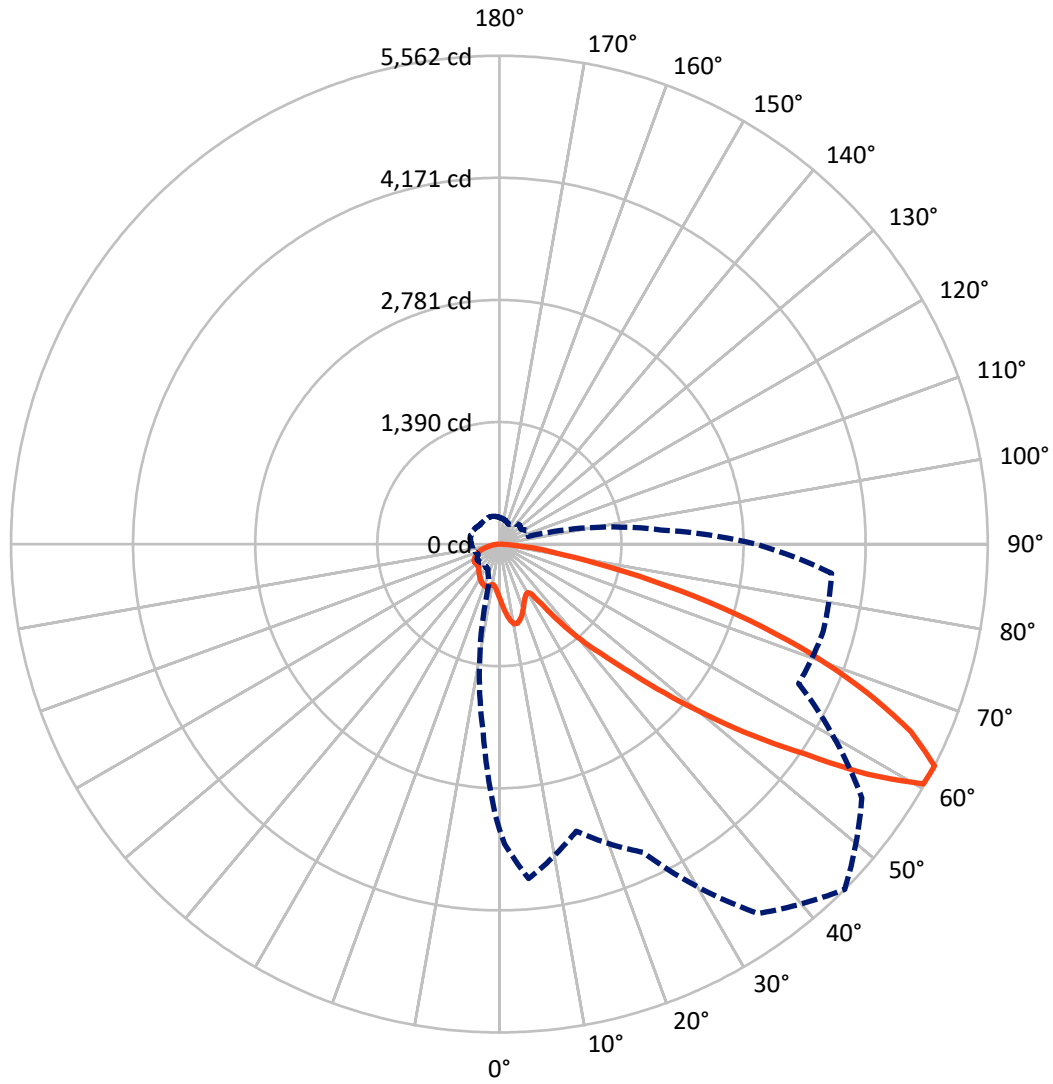
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

REPORT NUMBER: P629906
CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629906

CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1110.9	0.0	1110.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3544.5	0.0	3544.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	4655.4	0.0	4655.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	1.3
10°-20°	189.2	4.1
20°-30°	293.8	6.3
30°-40°	398.9	8.6
40°-50°	632.3	13.6
50°-60°	1115.3	24.0
60°-70°	1240.9	26.7
70°-80°	629.4	13.5
80°-90°	95.3	2.0
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°	4655.4	100.0
0°-180°	4655.4	100.0

Coefficient of Utilization



REPORT NUMBER: P629906

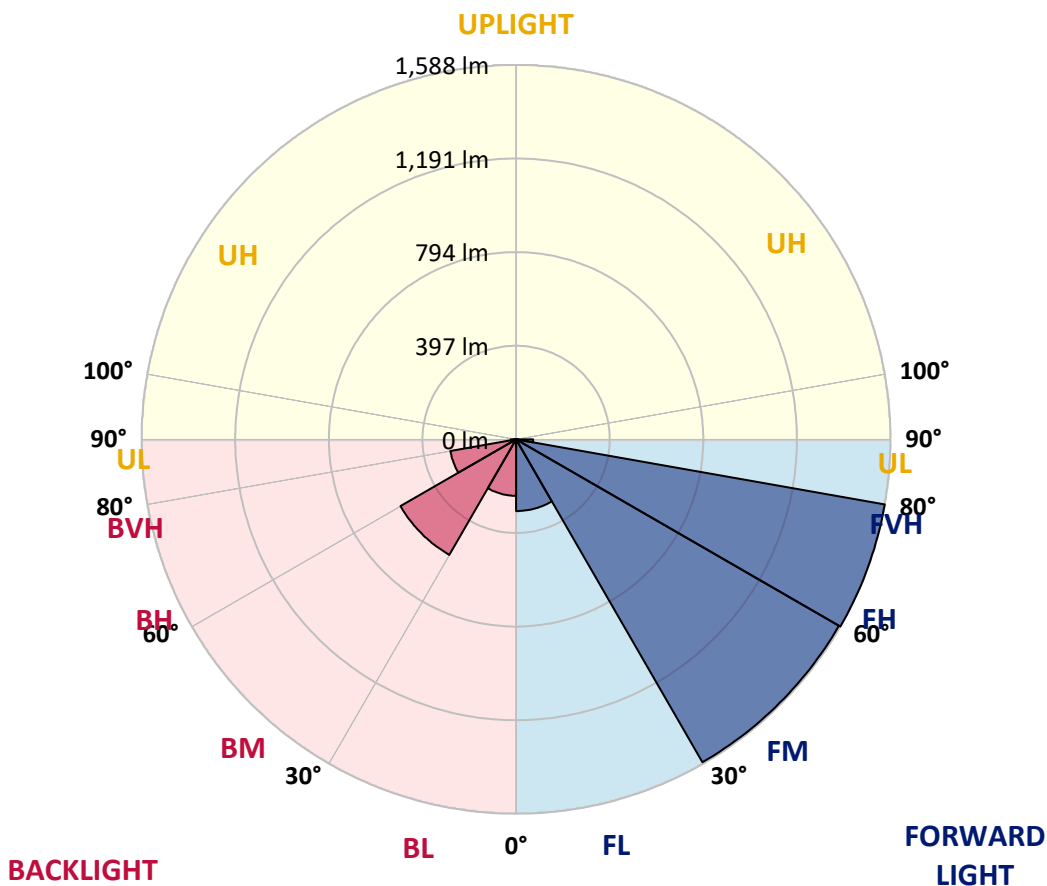
CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.0	6.5			
FM (30°-60°)	1580.7	34.0			
FH (60°-80°)	1587.5	34.1			G1/1800
FVH (80°-90°)	72.3	1.6			G1/100
BL (0°-30°)	239.4	5.1	B1/500		
BM (30°-60°)	565.8	12.2	B1/1000		
BH (60°-80°)	282.8	6.1	B1/500		G1/500
BVH (80°-90°)	23.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P629906
 CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9
2.5°	664.0	663.7	670.4	680.6	690.1	694.4	701.4	700.7	695.1	687.7	685.2
5°	716.2	717.6	729.2	751.8	776.8	787.4	792.0	790.2	780.0	767.0	744.0
7.5°	763.4	765.9	783.9	817.7	848.7	862.8	874.1	872.0	857.2	832.9	799.0
10°	798.0	800.8	822.3	862.1	896.7	909.0	923.5	924.2	911.1	878.3	843.8
12.5°	832.5	835.3	855.4	891.7	914.3	914.6	923.1	927.7	928.4	913.2	878.7
15°	868.5	870.9	889.3	909.7	908.6	888.9	888.9	897.7	917.1	928.0	904.1
17.5°	899.1	902.3	916.4	909.7	878.3	842.7	838.5	849.8	883.6	925.6	923.1
20°	924.5	927.0	934.7	890.3	833.2	786.7	778.6	791.6	837.5	910.4	937.6
22.5°	948.8	950.2	946.0	864.9	784.6	731.4	721.5	735.2	784.6	883.6	949.9
25°	977.7	976.3	956.2	838.5	740.2	687.7	677.4	692.9	744.4	848.0	963.3
27.5°	1011.2	1005.9	965.0	810.0	706.0	655.2	648.2	664.7	712.7	815.2	973.9
30°	1039.8	1029.5	966.5	784.6	688.4	641.5	637.3	652.8	697.2	793.0	987.2
32.5°	1071.5	1057.4	974.6	777.9	698.2	674.6	680.3	681.3	701.4	786.7	1007.3
35°	1117.0	1098.6	996.8	797.3	799.7	839.6	860.0	832.5	765.2	800.8	1045.4
37.5°	1185.7	1162.4	1041.9	881.2	1009.5	1098.6	1148.0	1085.2	959.1	854.0	1102.9
40°	1269.2	1239.6	1099.7	1036.2	1205.4	1348.2	1435.9	1343.9	1158.5	986.9	1183.6
42.5°	1385.9	1354.9	1211.8	1188.5	1386.9	1599.5	1714.0	1576.9	1334.4	1158.5	1312.9
45°	1589.3	1559.3	1417.3	1341.1	1599.5	1908.9	2069.7	1879.0	1513.1	1330.9	1554.7
47.5°	1965.0	1929.7	1722.5	1510.3	1842.0	2310.7	2535.6	2257.9	1698.9	1528.3	1960.7
50°	2416.1	2382.3	2105.6	1710.5	2109.8	2740.4	3053.0	2703.0	1912.8	1768.3	2446.1
52.5°	2958.9	2952.6	2652.3	1963.6	2388.6	3198.6	3627.2	3196.1	2147.2	2091.5	2995.9
55°	3448.1	3510.2	3346.6	2349.5	2748.9	3774.2	4217.6	3734.0	2465.1	2625.8	3639.9
57.5°	3711.8	3878.5	4129.8	3136.9	3272.6	4462.2	4946.1	4390.6	3011.4	3515.5	4237.0
60°	3537.7	3726.6	4182.0	3729.8	3792.1	5013.4	5547.4	4942.6	3547.9	4133.0	4203.1
62.5°	3247.9	3417.5	3822.5	3383.6	3872.5	5134.7	5561.5	5038.8	3761.1	3819.6	3796.7
65°	2904.3	3075.2	3504.2	2953.6	3617.0	4846.7	5151.2	4755.8	3378.0	3451.0	3459.4
67.5°	2447.9	2605.8	3042.5	2626.2	3296.9	4424.1	4521.4	4352.6	3110.8	3227.1	3105.5
70°	1828.9	1971.3	2356.9	2134.2	2779.2	3873.6	3795.0	3820.0	2810.9	2926.5	2594.1
72.5°	1249.8	1357.0	1687.6	1677.0	2128.2	3101.0	2991.3	3228.6	2347.8	2501.1	1977.7
75°	874.1	957.6	1219.9	1324.9	1608.6	2298.4	2130.3	2416.5	1833.5	2052.4	1443.0
77.5°	536.4	591.8	770.5	981.6	1034.8	1573.0	1323.1	1818.4	1287.5	1496.9	962.6
80°	268.2	295.0	374.3	617.2	686.2	927.0	730.7	1055.6	871.3	927.0	532.6
82.5°	81.1	89.5	109.6	234.4	355.6	533.6	431.8	613.3	475.8	434.6	209.7
85°	21.5	24.3	30.3	69.4	124.8	191.4	145.9	297.1	228.0	160.4	79.0
87.5°	1.8	1.8	1.4	1.4	0.7	0.0	0.0	21.1	42.6	24.3	13.7
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: P629906
 CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9
2.5°	672.9	671.4	657.0	646.4	634.1	622.1	609.8	598.8	586.5	574.2	570.6
5°	727.1	717.3	686.6	660.9	635.5	613.3	593.9	573.8	557.6	541.7	535.7
7.5°	775.1	757.8	713.4	674.3	639.0	611.5	583.0	553.7	530.8	508.3	502.6
10°	818.4	795.5	739.5	690.1	651.0	619.6	586.1	547.0	513.9	486.4	479.0
12.5°	850.5	825.5	762.0	705.3	660.9	625.6	592.5	557.9	523.1	487.5	479.3
15°	875.9	849.8	780.7	716.9	661.2	615.8	583.7	571.7	560.8	525.9	511.1
17.5°	896.3	868.8	796.9	724.0	651.7	585.8	557.9	575.6	603.4	581.6	553.7
20°	915.0	887.1	809.3	728.9	630.6	544.6	529.0	566.4	608.4	607.6	582.6
22.5°	935.4	908.3	827.2	731.7	600.9	502.6	511.8	553.0	587.2	597.4	581.9
25°	961.5	937.6	852.3	738.1	567.5	473.7	499.1	535.7	564.3	566.8	557.6
27.5°	991.8	973.9	889.6	752.9	535.0	458.9	484.3	511.4	537.5	538.6	527.6
30°	1025.0	1013.0	924.2	765.2	510.7	454.3	465.3	487.1	503.7	506.5	497.0
32.5°	1067.3	1056.7	954.8	757.1	496.3	453.3	447.6	458.9	472.7	472.7	465.3
35°	1125.4	1110.6	987.2	726.1	478.6	449.0	428.9	432.1	438.1	439.2	434.9
37.5°	1207.9	1183.6	1020.0	664.7	449.7	433.9	407.4	403.6	405.7	408.5	407.4
40°	1310.1	1270.3	1068.0	591.1	415.2	404.6	385.2	377.8	376.1	381.7	383.8
42.5°	1438.8	1377.8	1119.4	522.3	383.8	371.1	359.2	352.8	350.0	359.5	365.2
45°	1644.2	1543.8	1168.8	454.3	366.2	342.6	334.5	329.9	331.3	342.6	349.6
47.5°	1999.2	1797.2	1215.6	411.3	364.8	322.2	312.3	313.3	317.2	329.2	337.7
50°	2448.2	2136.6	1247.0	393.3	369.0	309.8	296.8	302.4	308.4	320.0	329.9
52.5°	2905.3	2452.8	1209.7	383.5	368.7	310.2	282.3	299.2	302.1	313.7	324.3
55°	3219.7	2488.0	1045.1	368.3	363.0	324.3	271.0	297.8	299.6	310.2	319.7
57.5°	3339.6	2367.5	796.9	372.6	346.1	335.2	266.1	288.0	300.7	309.8	319.7
60°	3194.7	2140.2	484.3	383.5	319.0	334.5	269.3	270.0	291.8	307.3	317.2
62.5°	2921.6	1848.3	340.1	352.5	299.2	315.8	276.7	248.8	276.3	295.0	303.8
65°	2608.6	1505.0	259.4	303.5	289.7	286.9	279.2	230.2	255.2	273.5	281.3
67.5°	2282.5	1169.8	210.8	226.3	261.9	259.4	255.2	213.6	230.2	243.2	252.0
70°	1871.9	818.4	178.0	169.9	224.5	232.6	223.1	192.8	198.1	211.5	218.5
72.5°	1369.3	510.0	146.3	140.3	180.5	203.4	198.4	169.9	172.4	185.0	190.7
75°	984.8	291.8	117.4	115.6	137.8	174.1	164.2	146.3	149.1	158.6	162.5
77.5°	626.0	162.5	90.6	93.1	98.7	130.1	140.3	125.1	125.1	130.8	133.9
80°	335.2	93.1	66.3	67.3	69.1	99.4	110.7	96.9	96.9	93.1	96.9
82.5°	136.8	53.6	45.5	42.3	46.2	68.0	77.5	61.7	64.5	58.2	59.6
85°	45.1	26.8	22.6	22.2	21.9	30.0	37.4	30.7	36.7	23.3	24.3
87.5°	6.0	4.9	2.8	2.1	2.5	1.1	2.1	2.5	2.5	1.8	1.8
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: P629906
 CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9
2.5°	568.2	565.3	555.1	557.6	555.8	553.0	555.8	550.5	554.8	556.2	565.0
5°	531.2	524.5	514.6	509.7	508.6	505.8	506.1	503.7	504.4	510.4	520.2
7.5°	498.0	491.7	483.9	480.4	477.2	474.1	473.7	473.4	476.2	481.5	491.0
10°	474.1	470.5	467.4	468.8	467.4	466.0	463.5	463.5	468.1	477.6	489.2
12.5°	474.1	473.4	474.1	478.3	477.9	478.3	475.1	476.9	489.6	505.8	522.3
15°	499.4	493.8	493.8	495.9	495.2	495.2	495.2	502.6	531.5	556.5	574.2
17.5°	530.5	513.9	506.8	505.8	505.4	505.4	506.8	522.7	567.8	594.3	604.5
20°	552.0	520.6	509.0	504.4	504.7	505.4	509.7	531.5	581.2	594.6	592.1
22.5°	555.8	515.3	501.2	494.5	495.6	496.3	502.6	525.9	562.9	565.0	560.1
25°	537.9	500.5	485.3	480.1	481.5	481.1	486.8	503.7	530.1	529.4	526.6
27.5°	511.1	476.9	465.6	462.1	464.5	461.7	463.5	476.5	497.0	496.3	495.2
30°	483.6	454.0	443.8	442.0	445.2	440.9	441.3	452.2	466.3	465.6	465.3
32.5°	456.1	431.1	421.9	421.9	425.1	420.5	421.2	430.7	440.2	437.4	437.4
35°	430.0	412.4	405.0	403.6	406.0	402.9	404.3	413.1	416.6	412.7	410.3
37.5°	407.1	399.3	391.9	387.0	387.4	387.7	391.9	398.6	396.5	390.9	387.7
40°	385.9	385.9	378.9	369.7	368.7	371.1	378.2	385.6	379.6	373.3	369.4
42.5°	370.8	374.0	367.3	358.1	356.0	360.2	368.0	373.3	366.2	359.2	353.9
45°	356.7	364.4	359.9	349.6	346.8	351.8	361.6	363.7	354.2	347.5	343.7
47.5°	346.8	357.4	354.2	344.4	340.1	347.2	357.4	357.0	345.1	338.0	334.8
50°	339.8	353.2	352.8	344.4	339.8	348.6	357.7	353.2	340.1	332.7	329.6
52.5°	334.1	352.8	355.3	350.3	347.2	354.9	360.6	351.8	336.6	328.8	326.4
55°	331.7	354.2	356.0	351.4	348.6	355.6	360.6	354.6	336.6	329.6	327.4
57.5°	332.4	352.5	352.8	346.5	341.5	350.3	358.1	356.3	340.5	332.4	329.9
60°	328.1	342.9	343.7	333.8	328.1	338.7	352.5	351.4	338.7	330.3	325.7
62.5°	314.0	327.1	327.4	318.3	310.2	325.3	340.5	340.1	328.5	320.0	314.7
65°	290.4	304.2	307.7	298.9	292.5	308.8	324.6	323.9	312.3	304.5	299.2
67.5°	261.2	276.0	282.7	276.7	274.2	289.0	303.8	303.5	294.0	286.6	282.0
70°	225.6	237.9	249.2	249.2	247.4	264.3	280.2	278.8	270.0	264.3	260.8
72.5°	196.0	205.5	209.0	212.5	217.8	235.4	248.8	249.9	243.6	240.7	243.6
75°	166.7	172.7	175.9	173.1	182.2	200.6	218.2	219.9	213.2	208.7	209.7
77.5°	137.1	143.8	147.0	140.6	139.9	163.2	184.7	188.6	182.9	175.9	178.0
80°	99.0	107.9	113.1	108.9	107.5	117.7	147.3	151.6	146.3	140.6	143.8
82.5°	60.6	65.6	67.0	71.2	80.0	84.2	94.8	108.9	105.0	100.1	108.9
85°	24.0	28.5	31.7	36.0	41.9	49.7	58.5	69.8	63.4	61.3	72.3
87.5°	1.4	0.4	0.0	0.7	6.0	11.6	25.0	34.5	28.9	31.0	37.4
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: P629906
 CATALOG NUMBER: GWS-SA1C-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9	617.9
2.5°	572.0	581.2	593.5	603.8	616.8	629.1	641.8	654.5	661.2	664.0
5°	531.5	548.4	568.2	590.0	615.4	642.2	669.3	697.2	714.8	716.2
7.5°	507.2	531.5	558.7	586.1	617.5	654.5	697.5	740.5	758.5	763.4
10°	514.9	542.1	563.6	589.3	623.9	670.0	720.8	771.2	792.0	798.0
12.5°	546.0	551.3	557.9	581.6	623.9	683.4	744.8	804.7	826.9	832.5
15°	571.7	546.3	534.3	559.4	615.4	695.1	770.1	836.4	863.2	868.5
17.5°	573.8	530.1	504.0	526.6	600.6	703.2	794.5	871.6	894.2	899.1
20°	552.3	512.8	479.0	492.7	580.5	706.7	812.1	897.4	919.6	924.5
22.5°	528.0	498.7	462.1	461.4	556.2	710.6	833.2	921.7	945.7	948.8
25°	505.1	479.3	448.3	438.5	528.0	718.0	861.8	958.3	976.7	977.7
27.5°	478.3	458.6	437.4	427.9	503.3	732.1	904.1	1002.1	1013.0	1011.2
30°	454.0	439.2	429.7	426.8	487.8	742.6	944.2	1045.1	1045.8	1039.8
32.5°	428.2	422.6	422.6	431.8	475.1	740.2	977.0	1087.0	1080.3	1071.5
35°	405.3	406.4	413.8	435.3	454.0	715.5	1008.4	1139.5	1129.6	1117.0
37.5°	383.5	391.6	402.2	423.0	426.1	678.8	1045.1	1213.9	1201.5	1185.7
40°	364.8	377.1	389.5	399.7	396.5	626.7	1096.2	1301.3	1287.5	1269.2
42.5°	350.0	362.0	375.7	376.8	377.8	572.4	1150.4	1408.4	1406.0	1385.9
45°	340.5	348.2	361.3	359.5	376.8	512.5	1200.5	1572.0	1604.4	1589.3
47.5°	334.1	340.1	341.5	348.9	385.9	458.9	1265.0	1892.0	1982.2	1965.0
50°	330.6	336.6	320.7	349.6	387.4	424.4	1354.2	2293.8	2439.0	2416.1
52.5°	330.3	328.8	304.9	357.0	379.6	403.2	1400.7	2587.1	2909.2	2958.9
55°	331.0	313.3	296.8	359.2	364.1	395.5	1244.9	2728.1	3343.1	3448.1
57.5°	324.6	296.4	301.4	350.7	334.8	416.3	920.3	2677.7	3516.5	3711.8
60°	312.6	280.2	309.8	327.8	304.9	380.7	633.7	2452.8	3336.8	3537.7
62.5°	295.4	268.9	308.8	298.2	294.0	311.6	435.6	2138.0	3051.6	3247.9
65°	276.0	259.8	292.2	269.6	272.1	239.7	308.1	1782.8	2711.1	2904.3
67.5°	255.2	254.1	267.9	240.0	229.8	190.0	224.5	1428.9	2273.7	2447.9
70°	231.6	239.3	243.6	213.2	186.5	149.1	166.7	999.2	1677.4	1828.9
72.5°	208.0	208.7	214.6	185.4	139.6	119.5	125.1	605.2	1139.5	1249.8
75°	184.0	177.3	182.9	150.9	104.0	98.0	96.6	374.0	787.0	874.1
77.5°	158.3	150.9	143.5	113.5	83.5	75.8	74.0	209.7	482.9	536.4
80°	128.6	118.8	107.1	83.2	61.0	54.3	53.9	102.2	240.7	268.2
82.5°	100.1	81.4	78.2	51.8	37.7	33.1	35.2	39.1	72.6	81.1
85°	70.1	59.2	41.6	20.8	16.9	13.7	13.4	11.6	19.4	21.5
87.5°	39.1	25.7	13.4	2.5	2.8	3.2	2.5	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)