

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: P630896

Luminaire Tested: GWS-SA1E-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630896
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-SA1E-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: 7339.2 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

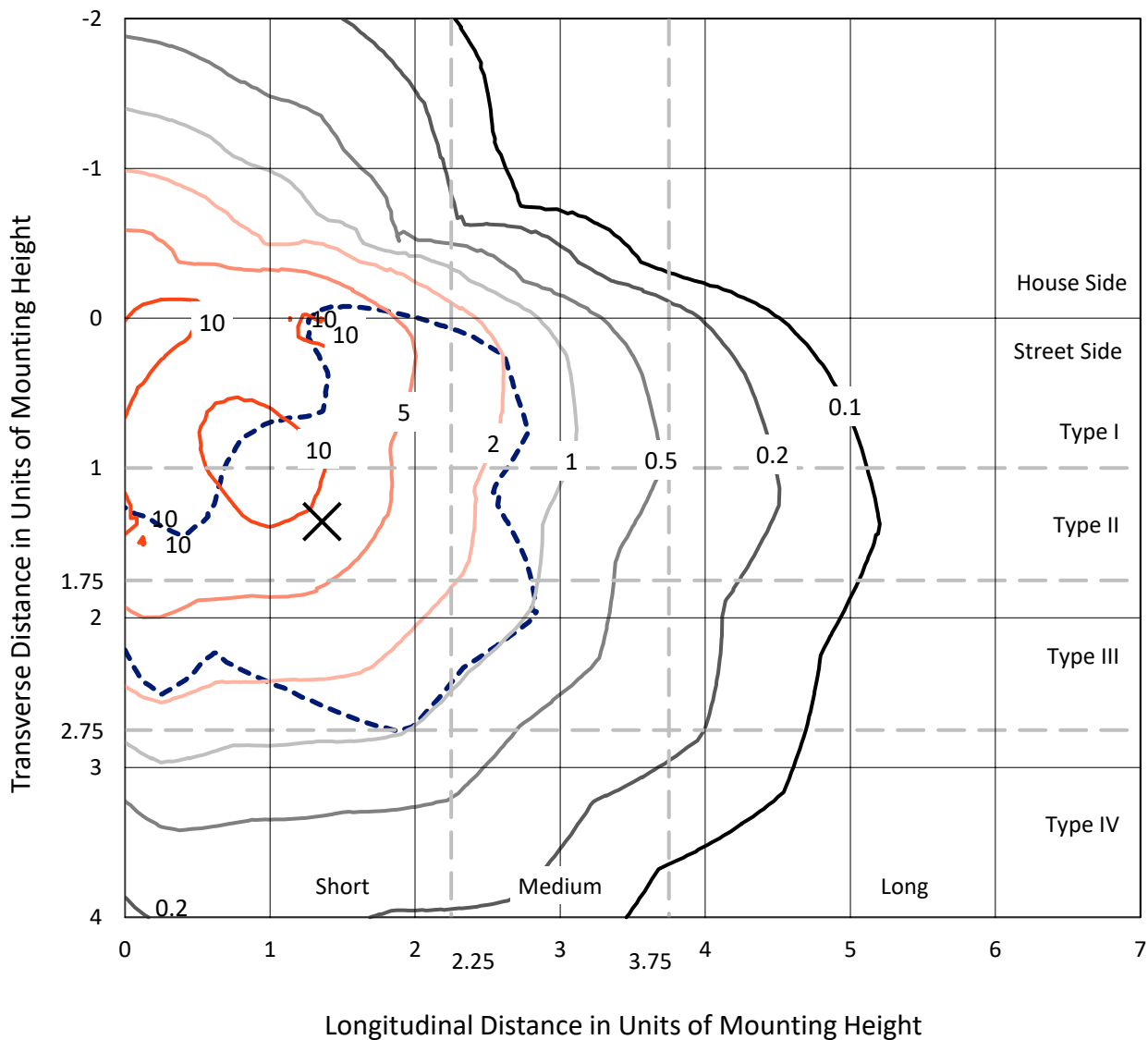
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630896
 CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

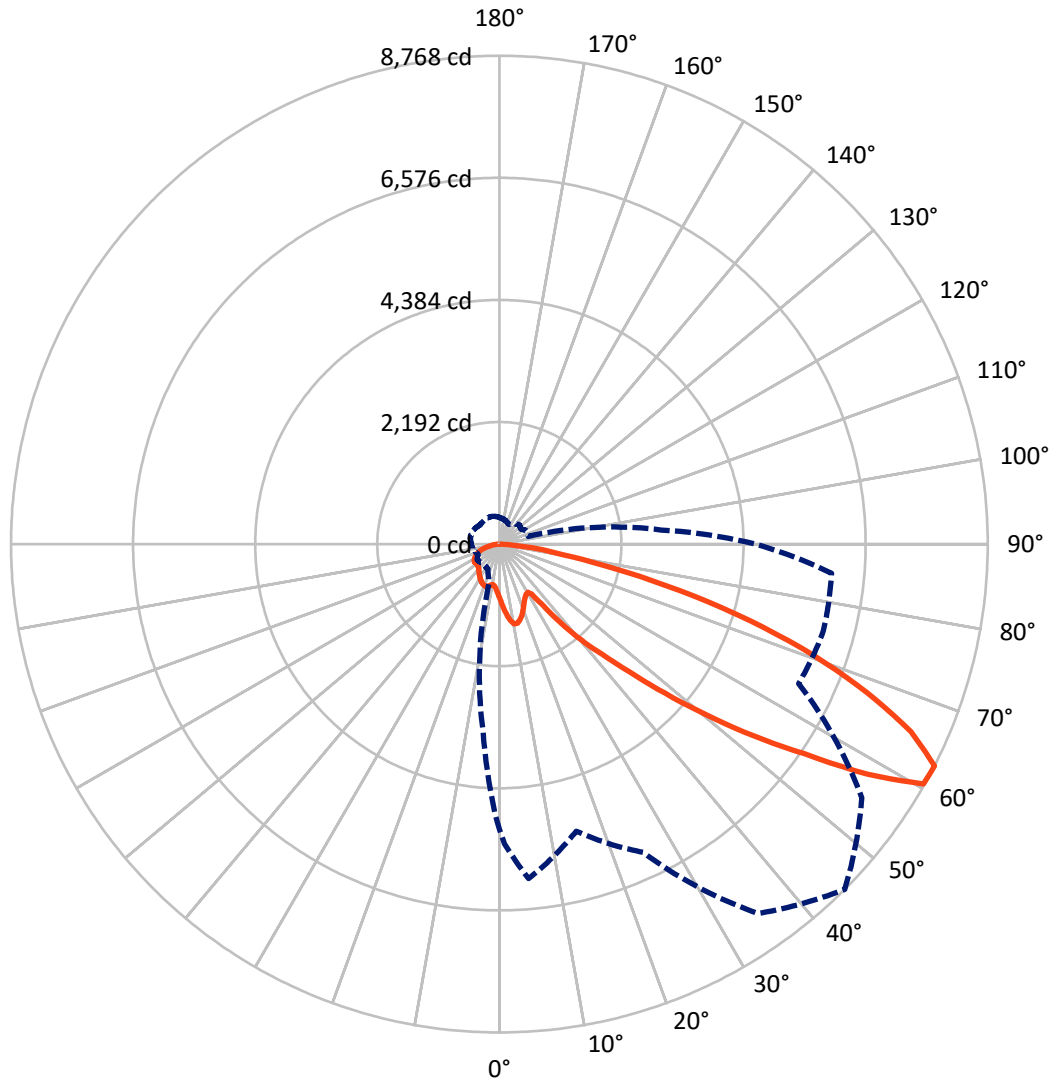
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type III - Short - N/A

REPORT NUMBER: P630896
CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630896

CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1751.3	0.0	1751.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5587.9	0.0	5587.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	7339.2	0.0	7339.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.3
10°-20°	298.2	4.1
20°-30°	463.2	6.3
30°-40°	628.9	8.6
40°-50°	996.7	13.6
50°-60°	1758.3	24.0
60°-70°	1956.3	26.7
70°-80°	992.2	13.5
80°-90°	150.2	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°	7339.2	100.0
0°-180°	7339.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630896

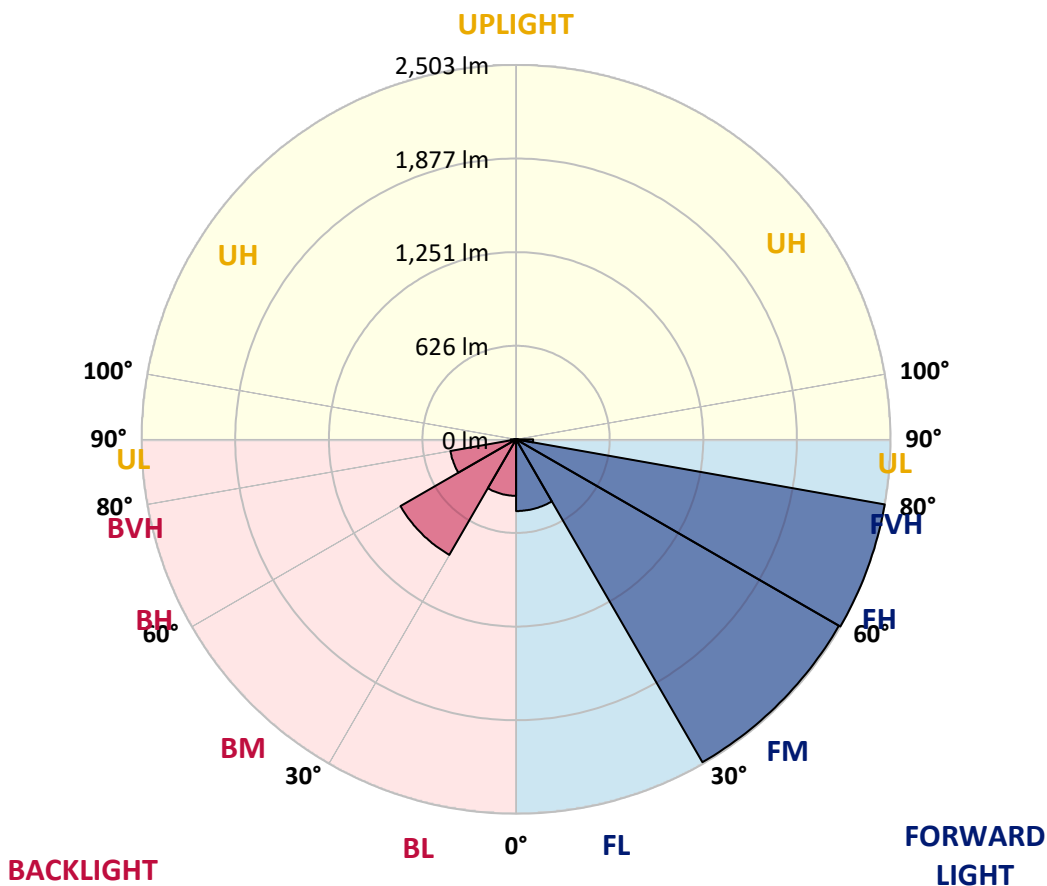
CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.2	6.5			
FM (30°-60°)	2492.0	34.0			
FH (60°-80°)	2502.7	34.1			G2/5000
FVH (80°-90°)	114.0	1.6			G2/225
BL (0°-30°)	377.4	5.1	B1/500		
BM (30°-60°)	891.9	12.2	B1/1000		
BH (60°-80°)	445.8	6.1	B1/500		G1/500
BVH (80°-90°)	36.2	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-G2

Type III Short





REPORT NUMBER: P630896
 CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1
2.5°	1046.9	1046.3	1056.9	1073.0	1088.0	1094.6	1105.8	1104.6	1095.7	1084.1	1080.2
5°	1129.1	1131.3	1149.6	1185.2	1224.7	1241.3	1248.6	1245.8	1229.7	1209.1	1173.0
7.5°	1203.5	1207.4	1235.8	1289.1	1338.0	1360.2	1378.0	1374.7	1351.4	1313.0	1259.7
10°	1258.0	1262.4	1296.3	1359.1	1413.6	1433.0	1455.8	1456.9	1436.4	1384.7	1330.2
12.5°	1312.5	1316.9	1348.6	1405.8	1441.4	1441.9	1455.3	1462.5	1463.6	1439.7	1385.2
15°	1369.1	1373.0	1401.9	1434.1	1432.5	1401.4	1401.4	1415.3	1445.8	1463.0	1425.3
17.5°	1417.5	1422.5	1444.7	1434.1	1384.7	1328.6	1321.9	1339.7	1393.0	1459.1	1455.3
20°	1457.5	1461.4	1473.6	1403.6	1313.6	1240.2	1227.4	1248.0	1320.2	1435.3	1478.0
22.5°	1495.8	1498.0	1491.4	1363.6	1236.9	1153.0	1137.4	1159.1	1236.9	1393.0	1497.5
25°	1541.4	1539.2	1507.5	1321.9	1166.9	1084.1	1068.0	1092.4	1173.5	1336.9	1518.6
27.5°	1594.2	1585.8	1521.4	1276.9	1113.0	1033.0	1021.8	1048.0	1123.5	1285.2	1535.3
30°	1639.2	1623.1	1523.6	1236.9	1085.2	1011.3	1004.6	1029.1	1099.1	1250.2	1556.4
32.5°	1689.2	1667.0	1536.4	1226.3	1100.8	1063.5	1072.4	1074.1	1105.8	1240.2	1588.1
35°	1760.9	1732.0	1571.4	1256.9	1260.8	1323.6	1355.8	1312.5	1206.3	1262.4	1648.1
37.5°	1869.2	1832.5	1642.5	1389.1	1591.4	1732.0	1809.8	1710.9	1511.9	1346.3	1738.6
40°	2000.9	1954.2	1733.6	1633.6	1900.3	2125.4	2263.7	2118.7	1826.4	1555.8	1865.9
42.5°	2184.8	2135.9	1910.3	1873.7	2186.5	2521.6	2702.1	2486.0	2103.7	1826.4	2069.8
45°	2505.4	2458.2	2234.3	2114.3	2521.6	3009.4	3262.8	2962.2	2385.4	2098.2	2451.0
47.5°	3097.8	3042.2	2715.5	2381.0	2903.8	3642.9	3997.4	3559.5	2678.3	2409.3	3091.1
50°	3809.0	3755.7	3319.5	2696.6	3326.1	4320.2	4813.1	4261.3	3015.5	2787.7	3856.2
52.5°	4664.7	4654.7	4181.3	3095.5	3765.7	5042.6	5718.2	5038.7	3385.0	3297.3	4723.1
55°	5436.0	5533.8	5275.9	3704.0	4333.5	5949.9	6649.0	5886.6	3886.2	4139.6	5738.2
57.5°	5851.6	6114.4	6510.6	4945.3	5159.2	7034.6	7797.5	6921.8	4747.5	5542.1	6679.5
60°	5577.1	5874.9	6592.8	5879.9	5978.3	7903.6	8745.4	7791.9	5593.2	6515.6	6626.2
62.5°	5120.4	5387.6	6026.1	5334.3	6105.0	8094.8	8767.7	7943.6	5929.4	6021.6	5985.5
65°	4578.6	4848.1	5524.3	4656.4	5702.1	7640.8	8120.9	7497.4	5325.4	5440.4	5453.7
67.5°	3859.0	4108.0	4796.4	4140.2	5197.6	6974.6	7127.9	6861.8	4904.2	5087.6	4895.9
70°	2883.3	3107.8	3715.7	3364.5	4381.3	6106.6	5982.7	6022.2	4431.3	4613.6	4089.6
72.5°	1970.3	2139.3	2660.5	2643.8	3355.0	4888.6	4715.8	5089.8	3701.2	3942.9	3117.8
75°	1378.0	1509.7	1923.1	2088.7	2536.0	3623.4	3358.4	3809.6	2890.5	3235.6	2274.8
77.5°	845.7	932.9	1214.7	1547.5	1631.4	2479.9	2085.9	2866.6	2029.8	2359.9	1517.5
80°	422.9	465.1	590.1	973.0	1081.9	1461.4	1151.9	1664.2	1373.6	1461.4	839.6
82.5°	127.8	141.1	172.8	369.5	560.7	841.3	680.7	966.8	750.1	685.1	330.6
85°	33.9	38.3	47.8	109.5	196.7	301.7	230.0	468.4	359.5	252.8	124.5
87.5°	2.8	2.8	2.2	2.2	1.1	0.0	0.0	33.3	67.2	38.3	21.7
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: P630896
 CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1
2.5°	1060.7	1058.5	1035.7	1019.1	999.6	980.7	961.3	944.1	924.6	905.2	899.6
5°	1146.3	1130.8	1082.4	1041.9	1001.8	966.8	936.3	904.6	879.0	854.0	844.6
7.5°	1221.9	1194.7	1124.6	1063.0	1007.4	964.1	919.1	872.9	836.8	801.3	792.4
10°	1290.2	1254.1	1165.8	1088.0	1026.3	976.8	924.1	862.4	810.1	766.8	755.1
12.5°	1340.8	1301.3	1201.3	1111.9	1041.9	986.3	934.1	879.6	824.6	768.5	755.7
15°	1380.8	1339.7	1230.8	1130.2	1042.4	970.7	920.2	901.3	884.0	829.0	805.7
17.5°	1413.0	1369.7	1256.3	1141.3	1027.4	923.5	879.6	907.4	951.3	916.8	872.9
20°	1442.5	1398.6	1275.8	1149.1	994.1	858.5	834.0	892.9	959.1	957.9	918.5
22.5°	1474.7	1431.9	1304.1	1153.5	947.4	792.4	806.8	871.8	925.7	941.8	917.4
25°	1515.8	1478.0	1343.6	1163.5	894.6	746.8	786.8	844.6	889.6	893.5	879.0
27.5°	1563.6	1535.3	1402.5	1186.9	843.5	723.5	763.5	806.3	847.4	849.0	831.8
30°	1615.8	1597.0	1456.9	1206.3	805.1	716.2	733.5	767.9	794.0	798.5	783.5
32.5°	1682.5	1665.9	1505.3	1193.5	782.4	714.6	705.7	723.5	745.1	745.1	733.5
35°	1774.2	1750.9	1556.4	1144.6	754.6	707.9	676.2	681.2	690.7	692.3	685.7
37.5°	1904.2	1865.9	1608.1	1048.0	709.0	684.0	642.3	636.2	639.6	644.0	642.3
40°	2065.4	2002.6	1683.6	931.8	654.6	637.9	607.3	595.7	592.9	601.8	605.1
42.5°	2268.2	2172.1	1764.8	823.5	605.1	585.1	566.2	556.2	551.8	566.8	575.7
45°	2592.1	2433.8	1842.5	716.2	577.3	540.1	527.3	520.1	522.3	540.1	551.2
47.5°	3151.7	2833.3	1916.5	648.4	575.1	507.9	492.3	494.0	500.1	519.0	532.3
50°	3859.6	3368.4	1965.9	620.1	581.8	488.4	467.9	476.8	486.2	504.5	520.1
52.5°	4580.3	3866.8	1907.0	604.6	581.2	489.0	445.1	471.8	476.2	494.5	511.2
55°	5075.9	3922.4	1647.5	580.7	572.3	511.2	427.3	469.5	472.3	489.0	504.0
57.5°	5264.8	3732.3	1256.3	587.3	545.7	528.4	419.5	454.0	474.0	488.4	504.0
60°	5036.4	3373.9	763.5	604.6	502.9	527.3	424.5	425.6	460.1	484.5	500.1
62.5°	4605.8	2913.9	536.2	555.7	471.8	497.9	436.2	392.3	435.6	465.1	479.0
65°	4112.4	2372.6	409.0	478.4	456.7	452.3	440.1	362.8	402.3	431.2	443.4
67.5°	3598.4	1844.2	332.3	356.7	412.9	409.0	402.3	336.7	362.8	383.4	397.3
70°	2951.1	1290.2	280.6	267.8	354.0	366.7	351.7	303.9	312.3	333.4	344.5
72.5°	2158.7	804.0	230.6	221.2	284.5	320.6	312.8	267.8	271.7	291.7	300.6
75°	1552.5	460.1	185.0	182.3	217.3	274.5	258.9	230.6	235.0	250.0	256.2
77.5°	986.8	256.2	142.8	146.7	155.6	205.0	221.2	197.3	197.3	206.1	211.1
80°	528.4	146.7	104.5	106.1	108.9	156.7	174.5	152.8	152.8	146.7	152.8
82.5°	215.6	84.5	71.7	66.7	72.8	107.2	122.2	97.2	101.7	91.7	93.9
85°	71.1	42.2	35.6	35.0	34.5	47.2	58.9	48.3	57.8	36.7	38.3
87.5°	9.4	7.8	4.4	3.3	3.9	1.7	3.3	3.9	3.9	2.8	2.8
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: P630896
 CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1
2.5°	895.7	891.3	875.2	879.0	876.3	871.8	876.3	867.9	874.6	876.8	890.7
5°	837.4	826.8	811.3	803.5	801.8	797.4	797.9	794.0	795.1	804.6	820.1
7.5°	785.1	775.1	762.9	757.4	752.4	747.4	746.8	746.2	750.7	759.0	774.0
10°	747.4	741.8	736.8	739.0	736.8	734.6	730.7	730.7	737.9	752.9	771.2
12.5°	747.4	746.2	747.4	754.0	753.5	754.0	749.0	751.8	771.8	797.4	823.5
15°	787.4	778.5	778.5	781.8	780.7	780.7	780.7	792.4	837.9	877.4	905.2
17.5°	836.3	810.1	799.0	797.4	796.8	796.8	799.0	824.0	895.2	936.8	952.9
20°	870.2	820.7	802.4	795.1	795.7	796.8	803.5	837.9	916.3	937.4	933.5
22.5°	876.3	812.4	790.1	779.6	781.2	782.4	792.4	829.0	887.4	890.7	882.9
25°	847.9	789.0	765.1	756.8	759.0	758.5	767.4	794.0	835.7	834.6	830.1
27.5°	805.7	751.8	734.0	728.5	732.4	727.9	730.7	751.2	783.5	782.4	780.7
30°	762.4	715.7	699.6	696.8	701.8	695.1	695.7	712.9	735.1	734.0	733.5
32.5°	719.0	679.6	665.1	665.1	670.1	662.9	664.0	679.0	694.0	689.6	689.6
35°	677.9	650.1	638.4	636.2	640.1	635.1	637.3	651.2	656.8	650.7	646.8
37.5°	641.8	629.6	617.9	610.1	610.7	611.2	617.9	628.4	625.1	616.2	611.2
40°	608.4	608.4	597.3	582.9	581.2	585.1	596.2	607.9	598.4	588.4	582.3
42.5°	584.5	589.5	579.0	564.5	561.2	567.9	580.1	588.4	577.3	566.2	557.9
45°	562.3	574.5	567.3	551.2	546.8	554.5	570.1	573.4	558.4	547.9	541.8
47.5°	546.8	563.4	558.4	542.9	536.2	547.3	563.4	562.9	544.0	532.9	527.9
50°	535.7	556.8	556.2	542.9	535.7	549.5	564.0	556.8	536.2	524.5	519.5
52.5°	526.8	556.2	560.1	552.3	547.3	559.5	568.4	554.5	530.6	518.4	514.5
55°	522.9	558.4	561.2	554.0	549.5	560.7	568.4	559.0	530.6	519.5	516.2
57.5°	524.0	555.7	556.2	546.2	538.4	552.3	564.5	561.8	536.8	524.0	520.1
60°	517.3	540.7	541.8	526.2	517.3	534.0	555.7	554.0	534.0	520.6	513.4
62.5°	495.1	515.6	516.2	501.8	489.0	512.9	536.8	536.2	517.9	504.5	496.2
65°	457.9	479.5	485.1	471.2	461.2	486.8	511.8	510.6	492.3	480.1	471.8
67.5°	411.7	435.1	445.6	436.2	432.3	455.6	479.0	478.4	463.4	451.7	444.5
70°	355.6	375.1	392.8	392.8	390.1	416.7	441.7	439.5	425.6	416.7	411.2
72.5°	308.9	323.9	329.5	335.1	343.4	371.2	392.3	394.0	384.0	379.5	384.0
75°	262.8	272.3	277.3	272.8	287.3	316.2	343.9	346.7	336.2	328.9	330.6
77.5°	216.1	226.7	231.7	221.7	220.6	257.3	291.2	297.3	288.4	277.3	280.6
80°	156.1	170.0	178.4	171.7	169.5	185.6	232.3	238.9	230.6	221.7	226.7
82.5°	95.6	103.4	105.6	112.2	126.1	132.8	149.5	171.7	165.6	157.8	171.7
85°	37.8	45.0	50.0	56.7	66.1	78.3	92.2	110.0	100.0	96.7	113.9
87.5°	2.2	0.6	0.0	1.1	9.4	18.3	39.5	54.5	45.6	48.9	58.9
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: P630896
 CATALOG NUMBER: GWS-SA1E-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1
2.5°	901.8	916.3	935.7	951.8	972.4	991.8	1011.8	1031.8	1042.4	1046.9
5°	837.9	864.6	895.7	930.2	970.2	1012.4	1055.2	1099.1	1126.9	1129.1
7.5°	799.6	837.9	880.7	924.1	973.5	1031.8	1099.6	1167.4	1195.8	1203.5
10°	811.8	854.6	888.5	929.1	983.5	1056.3	1136.3	1215.8	1248.6	1258.0
12.5°	860.7	869.0	879.6	916.8	983.5	1077.4	1174.1	1268.6	1303.6	1312.5
15°	901.3	861.3	842.4	881.8	970.2	1095.7	1214.1	1318.6	1360.8	1369.1
17.5°	904.6	835.7	794.6	830.1	946.8	1108.5	1252.4	1374.1	1409.7	1417.5
20°	870.7	808.5	755.1	776.8	915.2	1114.1	1280.2	1414.7	1449.7	1457.5
22.5°	832.4	786.3	728.5	727.4	876.8	1120.2	1313.6	1453.0	1490.8	1495.8
25°	796.3	755.7	706.8	691.2	832.4	1131.9	1358.6	1510.8	1539.7	1541.4
27.5°	754.0	722.9	689.6	674.6	793.5	1154.1	1425.3	1579.7	1597.0	1594.2
30°	715.7	692.3	677.3	672.9	769.0	1170.8	1488.6	1647.5	1648.6	1639.2
32.5°	675.1	666.2	666.2	680.7	749.0	1166.9	1540.3	1713.6	1703.1	1689.2
35°	639.0	640.7	652.3	686.2	715.7	1128.0	1589.7	1796.4	1780.9	1760.9
37.5°	604.6	617.3	634.0	666.8	671.8	1070.2	1647.5	1913.7	1894.2	1869.2
40°	575.1	594.5	614.0	630.1	625.1	988.0	1728.1	2051.5	2029.8	2000.9
42.5°	551.8	570.7	592.3	594.0	595.7	902.4	1813.7	2220.4	2216.5	2184.8
45°	536.8	549.0	569.5	566.8	594.0	807.9	1892.6	2478.2	2529.3	2505.4
47.5°	526.8	536.2	538.4	550.1	608.4	723.5	1994.2	2982.8	3125.0	3097.8
50°	521.2	530.6	505.6	551.2	610.7	669.0	2134.8	3616.2	3845.1	3809.0
52.5°	520.6	518.4	480.6	562.9	598.4	635.7	2208.2	4078.5	4586.4	4664.7
55°	521.8	494.0	467.9	566.2	574.0	623.4	1962.6	4300.8	5270.4	5436.0
57.5°	511.8	467.3	475.1	552.9	527.9	656.2	1450.8	4221.3	5543.8	5851.6
60°	492.9	441.7	488.4	516.8	480.6	600.1	999.1	3866.8	5260.4	5577.1
62.5°	465.6	424.0	486.8	470.1	463.4	491.2	686.8	3370.6	4810.9	5120.4
65°	435.1	409.5	460.6	425.1	429.0	377.8	485.6	2810.5	4274.1	4578.6
67.5°	402.3	400.6	422.3	378.4	362.3	299.5	354.0	2252.6	3584.5	3859.0
70°	365.1	377.3	384.0	336.2	293.9	235.0	262.8	1575.3	2644.4	2883.3
72.5°	327.8	328.9	338.4	292.3	220.0	188.4	197.3	954.1	1796.4	1970.3
75°	290.1	279.5	288.4	237.8	163.9	154.5	152.2	589.5	1240.8	1378.0
77.5°	249.5	237.8	226.2	178.9	131.7	119.5	116.7	330.6	761.2	845.7
80°	202.8	187.3	168.9	131.1	96.1	85.6	85.0	161.1	379.5	422.9
82.5°	157.8	128.4	123.4	81.7	59.5	52.2	55.6	61.7	114.5	127.8
85°	110.6	93.3	65.6	32.8	26.7	21.7	21.1	18.3	30.6	33.9
87.5°	61.7	40.6	21.1	3.9	4.4	5.0	3.9	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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