

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: P631886

Luminaire Tested: GWS-SA2B-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631886
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-SA2B-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6684.1 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

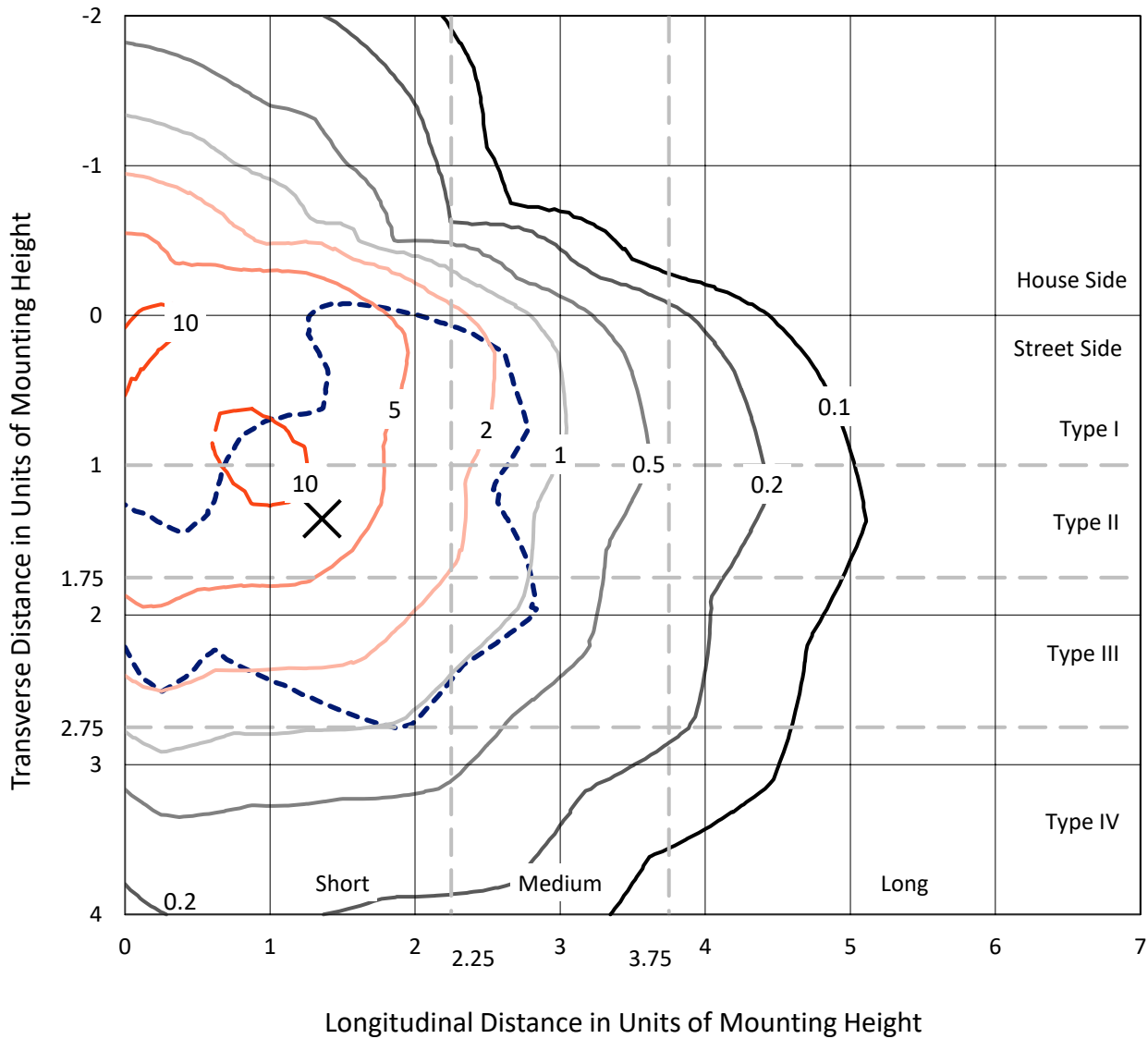
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631886
 CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

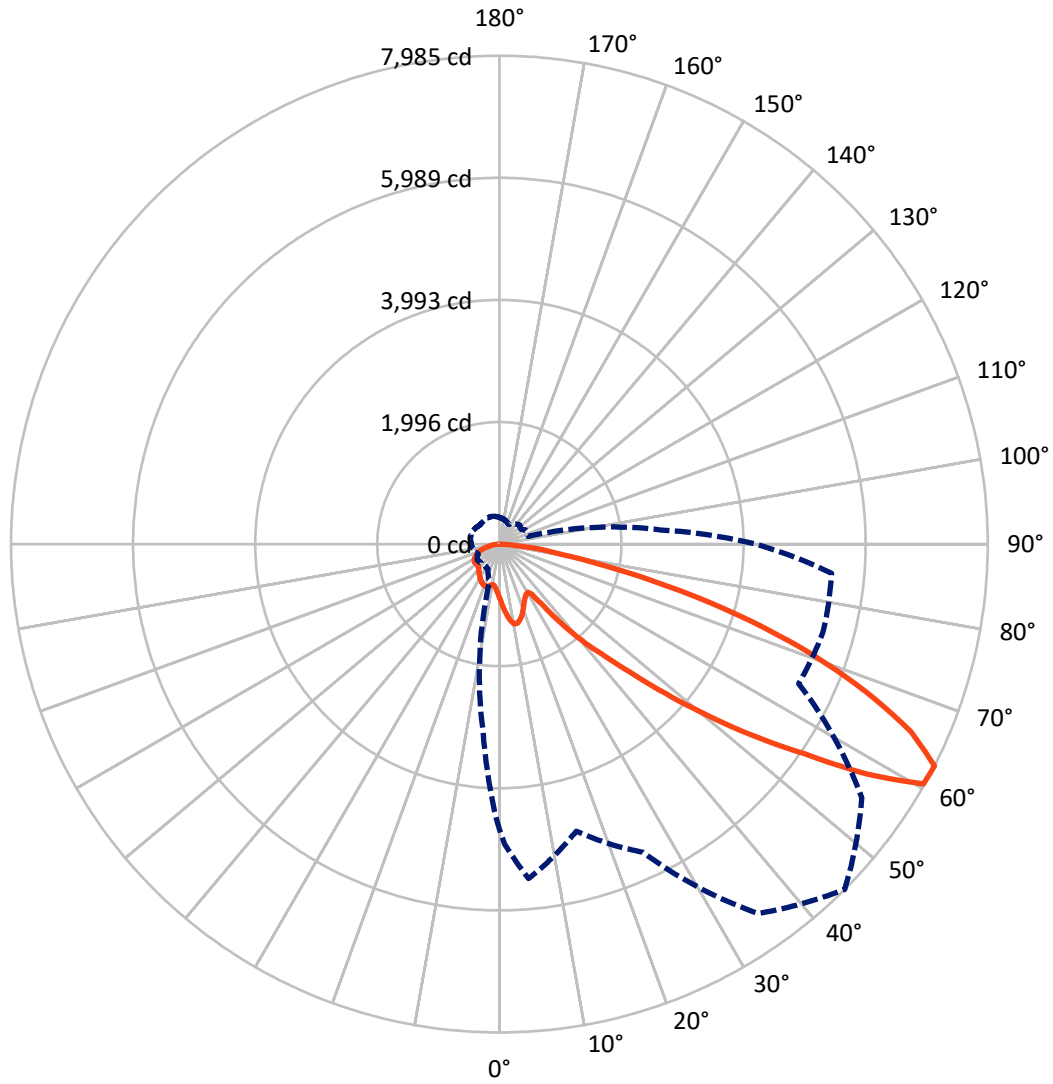
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Short - N/A

REPORT NUMBER: P631886
CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631886

CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

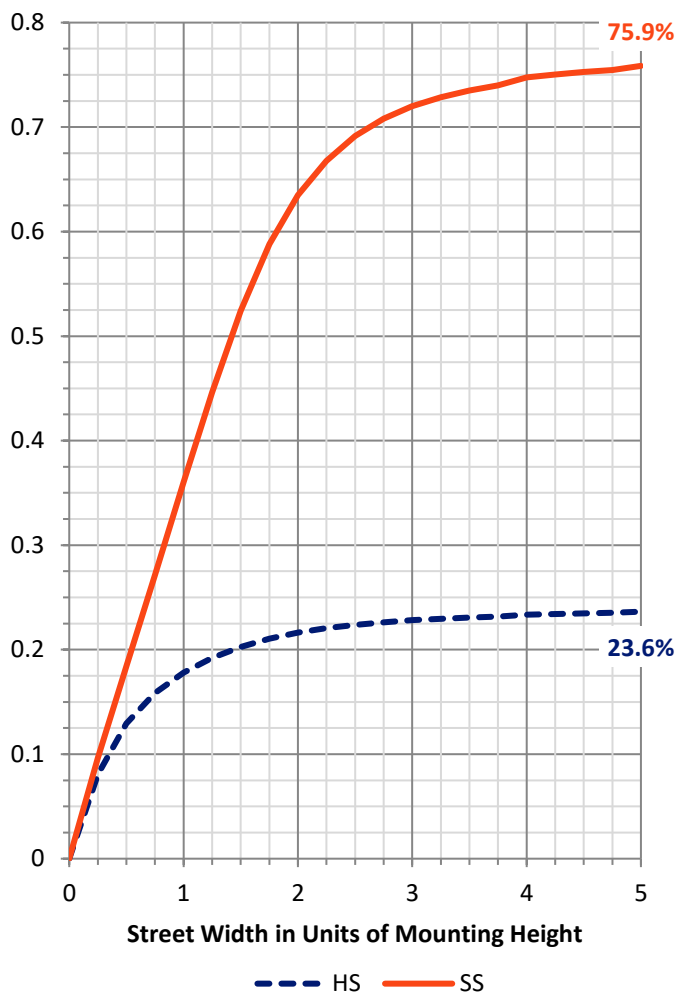
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1594.9	0.0	1594.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5089.1	0.0	5089.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	6684.1	0.0	6684.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.3
10°-20°	271.6	4.1
20°-30°	421.9	6.3
30°-40°	572.8	8.6
40°-50°	907.8	13.6
50°-60°	1601.3	24.0
60°-70°	1781.7	26.7
70°-80°	903.6	13.5
80°-90°	136.8	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°	6684.1	100.0
0°-180°	6684.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631886

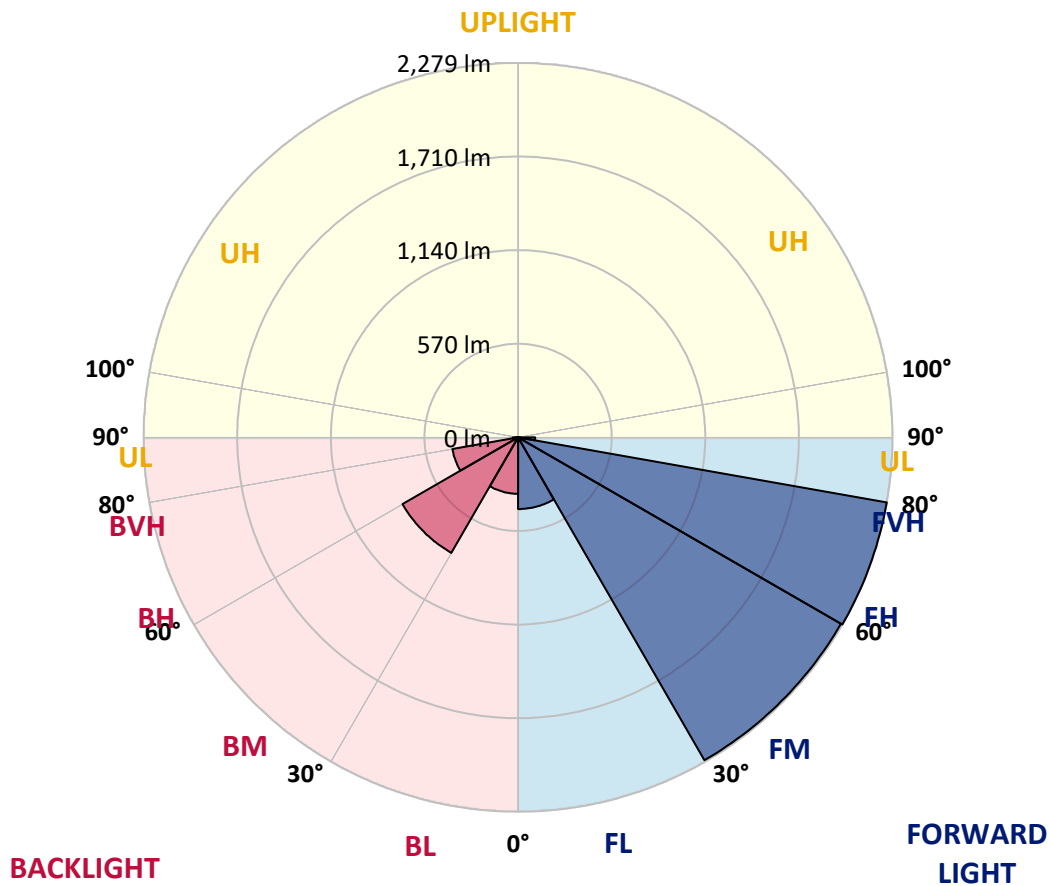
CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.4	6.5			
FM (30°-60°)	2269.5	34.0			
FH (60°-80°)	2279.3	34.1			G2/5000
FVH (80°-90°)	103.9	1.6			G2/225
BL (0°-30°)	343.7	5.1	B1/500		
BM (30°-60°)	812.3	12.2	B1/1000		
BH (60°-80°)	406.0	6.1	B1/500		G1/500
BVH (80°-90°)	33.0	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-G2

Type III Short





REPORT NUMBER: P631886
 CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1
2.5°	953.4	952.9	962.5	977.2	990.9	996.9	1007.1	1006.0	997.9	987.3	983.8
5°	1028.3	1030.3	1047.0	1079.4	1115.3	1130.5	1137.1	1134.6	1119.9	1101.2	1068.3
7.5°	1096.1	1099.7	1125.5	1174.1	1218.6	1238.8	1255.0	1252.0	1230.7	1195.8	1147.2
10°	1145.7	1149.8	1180.6	1237.8	1287.4	1305.1	1325.9	1326.9	1308.2	1261.1	1211.5
12.5°	1195.3	1199.4	1228.2	1280.3	1312.7	1313.2	1325.4	1331.9	1333.0	1311.2	1261.6
15°	1246.9	1250.5	1276.8	1306.1	1304.6	1276.3	1276.3	1288.9	1316.8	1332.4	1298.0
17.5°	1290.9	1295.5	1315.7	1306.1	1261.1	1210.0	1203.9	1220.1	1268.7	1328.9	1325.4
20°	1327.4	1330.9	1342.1	1278.3	1196.3	1129.5	1117.9	1136.6	1202.4	1307.1	1346.1
22.5°	1362.3	1364.3	1358.3	1241.9	1126.5	1050.1	1035.9	1055.6	1126.5	1268.7	1363.8
25°	1403.8	1401.8	1372.9	1203.9	1062.7	987.3	972.6	994.9	1068.8	1217.6	1383.1
27.5°	1451.9	1444.3	1385.6	1162.9	1013.6	940.8	930.6	954.4	1023.2	1170.5	1398.2
30°	1492.9	1478.2	1387.6	1126.5	988.3	921.0	914.9	937.2	1001.0	1138.6	1417.5
32.5°	1538.4	1518.2	1399.2	1116.9	1002.5	968.6	976.7	978.2	1007.1	1129.5	1446.3
35°	1603.7	1577.4	1431.1	1144.7	1148.2	1205.4	1234.8	1195.3	1098.6	1149.8	1501.0
37.5°	1702.4	1669.0	1495.9	1265.1	1449.3	1577.4	1648.2	1558.1	1377.0	1226.2	1583.4
40°	1822.3	1779.8	1578.9	1487.8	1730.7	1935.7	2061.7	1929.6	1663.4	1417.0	1699.3
42.5°	1989.8	1945.3	1739.8	1706.4	1991.3	2296.5	2461.0	2264.1	1915.9	1663.4	1885.1
45°	2281.8	2238.8	2034.9	1925.5	2296.5	2740.8	2971.6	2697.8	2172.5	1910.9	2232.2
47.5°	2821.3	2770.7	2473.1	2168.5	2644.6	3317.7	3640.6	3241.8	2439.2	2194.3	2815.2
50°	3469.0	3420.4	3023.2	2455.9	3029.3	3934.6	4383.5	3880.9	2746.4	2538.9	3512.0
52.5°	4248.3	4239.2	3808.1	2819.2	3429.5	4592.5	5207.8	4588.9	3082.9	3002.9	4301.5
55°	4950.7	5039.8	4805.0	3373.4	3946.7	5418.9	6055.5	5361.2	3539.4	3770.1	5226.0
57.5°	5329.3	5568.6	5929.5	4503.9	4698.7	6406.7	7101.5	6303.9	4323.7	5047.4	6083.3
60°	5079.3	5350.5	6004.4	5355.1	5444.7	7198.1	7964.8	7096.4	5094.0	5934.0	6034.7
62.5°	4663.3	4906.7	5488.2	4858.1	5560.0	7372.2	7985.1	7234.6	5400.1	5484.1	5451.2
65°	4169.9	4415.3	5031.2	4240.8	5193.1	6958.8	7396.0	6828.2	4850.0	4954.8	4966.9
67.5°	3514.6	3741.3	4368.3	3770.6	4733.6	6352.0	6491.7	6249.3	4466.5	4633.5	4458.9
70°	2625.9	2830.4	3384.0	3064.2	3990.3	5561.6	5448.7	5484.6	4035.8	4201.8	3724.6
72.5°	1794.5	1948.3	2423.0	2407.8	3055.6	4452.3	4294.9	4635.5	3370.8	3591.0	2839.5
75°	1255.0	1375.0	1751.5	1902.3	2309.6	3300.0	3058.6	3469.5	2632.5	2946.8	2071.8
77.5°	770.2	849.7	1106.2	1409.4	1485.8	2258.5	1899.7	2610.7	1848.6	2149.2	1382.0
80°	385.1	423.6	537.4	886.1	985.3	1330.9	1049.1	1515.6	1251.0	1330.9	764.7
82.5°	116.4	128.5	157.4	336.5	510.6	766.2	619.9	880.5	683.2	624.0	301.1
85°	30.9	34.9	43.5	99.7	179.1	274.8	209.5	426.6	327.4	230.3	113.4
87.5°	2.5	2.5	2.0	2.0	1.0	0.0	0.0	30.4	61.2	34.9	19.7
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: P631886
 CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1
2.5°	966.1	964.0	943.3	928.1	910.4	893.2	875.5	859.8	842.1	824.4	819.3
5°	1044.0	1029.8	985.8	948.9	912.4	880.5	852.7	823.9	800.6	777.8	769.2
7.5°	1112.8	1088.0	1024.3	968.1	917.5	878.0	837.0	795.0	762.1	729.7	721.6
10°	1175.1	1142.2	1061.7	990.9	934.7	889.6	841.6	785.4	737.8	698.4	687.7
12.5°	1221.1	1185.2	1094.1	1012.6	948.9	898.2	850.7	801.1	751.0	699.9	688.2
15°	1257.5	1220.1	1120.9	1029.3	949.4	884.1	838.0	820.8	805.1	755.0	733.8
17.5°	1286.9	1247.4	1144.2	1039.4	935.7	841.1	801.1	826.4	866.4	835.0	795.0
20°	1313.7	1273.7	1161.9	1046.5	905.3	781.9	759.6	813.2	873.5	872.4	836.5
22.5°	1343.1	1304.1	1187.7	1050.6	862.8	721.6	734.8	794.0	843.1	857.8	835.5
25°	1380.5	1346.1	1223.6	1059.7	814.8	680.1	716.6	769.2	810.2	813.7	800.6
27.5°	1424.0	1398.2	1277.3	1080.9	768.2	658.9	695.3	734.3	771.7	773.3	757.6
30°	1471.6	1454.4	1326.9	1098.6	733.3	652.3	668.0	699.4	723.2	727.2	713.5
32.5°	1532.3	1517.2	1370.9	1087.0	712.5	650.8	642.7	658.9	678.6	678.6	668.0
35°	1615.8	1594.6	1417.5	1042.5	687.2	644.7	615.9	620.4	629.0	630.5	624.5
37.5°	1734.3	1699.3	1464.5	954.4	645.7	623.0	585.0	579.4	582.5	586.5	585.0
40°	1881.0	1823.8	1533.4	848.7	596.1	581.0	553.1	542.5	540.0	548.1	551.1
42.5°	2065.7	1978.2	1607.2	750.0	551.1	532.9	515.7	506.6	502.5	516.2	524.3
45°	2360.8	2216.5	1678.1	652.3	525.8	491.9	480.2	473.7	475.7	491.9	502.0
47.5°	2870.4	2580.4	1745.4	590.6	523.8	462.5	448.4	449.9	455.5	472.7	484.8
50°	3515.1	3067.7	1790.4	564.8	529.8	444.8	426.1	434.2	442.8	459.5	473.7
52.5°	4171.4	3521.6	1736.8	550.6	529.3	445.3	405.4	429.6	433.7	450.4	465.6
55°	4622.8	3572.3	1500.5	528.8	521.2	465.6	389.2	427.6	430.1	445.3	459.0
57.5°	4794.9	3399.2	1144.2	534.9	496.9	481.3	382.1	413.4	431.7	444.8	459.0
60°	4586.9	3072.8	695.3	550.6	458.0	480.2	386.6	387.6	419.0	441.3	455.5
62.5°	4194.7	2653.8	488.3	506.1	429.6	453.4	397.3	357.3	396.7	423.6	436.2
65°	3745.3	2160.9	372.5	435.7	416.0	411.9	400.8	330.5	366.4	392.7	403.8
67.5°	3277.2	1679.6	302.6	324.9	376.0	372.5	366.4	306.7	330.5	349.2	361.8
70°	2687.7	1175.1	255.6	243.9	322.4	334.0	320.3	276.8	284.4	303.6	313.8
72.5°	1966.0	732.3	210.0	201.4	259.1	292.0	284.9	243.9	247.5	265.7	273.8
75°	1413.9	419.0	168.5	166.0	197.9	250.0	235.8	210.0	214.1	227.7	233.3
77.5°	898.8	233.3	130.1	133.6	141.7	186.7	201.4	179.6	179.6	187.7	192.3
80°	481.3	133.6	95.1	96.7	99.2	142.7	158.9	139.2	139.2	133.6	139.2
82.5°	196.3	76.9	65.3	60.7	66.3	97.7	111.3	88.6	92.6	83.5	85.5
85°	64.8	38.5	32.4	31.9	31.4	43.0	53.6	44.0	52.6	33.4	34.9
87.5°	8.6	7.1	4.0	3.0	3.5	1.5	3.0	3.5	3.5	2.5	2.5
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: P631886
 CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1
2.5°	815.8	811.7	797.0	800.6	798.1	794.0	798.1	790.5	796.5	798.6	811.2
5°	762.6	753.0	738.8	731.8	730.2	726.2	726.7	723.2	724.2	732.8	746.9
7.5°	715.1	705.9	694.8	689.8	685.2	680.6	680.1	679.6	683.7	691.3	704.9
10°	680.6	675.6	671.0	673.1	671.0	669.0	665.5	665.5	672.0	685.7	702.4
12.5°	680.6	679.6	680.6	686.7	686.2	686.7	682.2	684.7	702.9	726.2	750.0
15°	717.1	709.0	709.0	712.0	711.0	711.0	711.0	721.6	763.1	799.1	824.4
17.5°	761.6	737.8	727.7	726.2	725.7	725.7	727.7	750.5	815.3	853.2	867.9
20°	792.5	747.4	730.7	724.2	724.7	725.7	731.8	763.1	834.5	853.7	850.2
22.5°	798.1	739.9	719.6	710.0	711.5	712.5	721.6	755.0	808.2	811.2	804.1
25°	772.2	718.6	696.8	689.2	691.3	690.8	698.9	723.2	761.1	760.1	756.0
27.5°	733.8	684.7	668.5	663.4	667.0	662.9	665.5	684.2	713.5	712.5	711.0
30°	694.3	651.8	637.1	634.6	639.1	633.1	633.6	649.3	669.5	668.5	668.0
32.5°	654.8	618.9	605.7	605.7	610.3	603.7	604.7	618.4	632.1	628.0	628.0
35°	617.4	592.1	581.5	579.4	583.0	578.4	580.4	593.1	598.2	592.6	589.0
37.5°	584.5	573.4	562.7	555.6	556.2	556.7	562.7	572.3	569.3	561.2	556.7
40°	554.1	554.1	544.0	530.9	529.3	532.9	543.0	553.6	545.0	535.9	530.3
42.5°	532.4	536.9	527.3	514.2	511.1	517.2	528.3	535.9	525.8	515.7	508.1
45°	512.1	523.3	516.7	502.0	498.0	505.0	519.2	522.3	508.6	499.0	493.4
47.5°	498.0	513.1	508.6	494.4	488.3	498.5	513.1	512.6	495.4	485.3	480.8
50°	487.8	507.1	506.6	494.4	487.8	500.5	513.6	507.1	488.3	477.7	473.2
52.5°	479.7	506.6	510.1	503.0	498.5	509.6	517.7	505.0	483.3	472.2	468.6
55°	476.2	508.6	511.1	504.5	500.5	510.6	517.7	509.1	483.3	473.2	470.1
57.5°	477.2	506.1	506.6	497.5	490.4	503.0	514.2	511.6	488.9	477.2	473.7
60°	471.1	492.4	493.4	479.2	471.1	486.3	506.1	504.5	486.3	474.2	467.6
62.5°	450.9	469.6	470.1	457.0	445.3	467.1	488.9	488.3	471.6	459.5	451.9
65°	417.0	436.7	441.8	429.1	420.0	443.3	466.1	465.1	448.4	437.2	429.6
67.5°	375.0	396.2	405.9	397.3	393.7	415.0	436.2	435.7	422.1	411.4	404.8
70°	323.9	341.6	357.8	357.8	355.3	379.5	402.3	400.3	387.6	379.5	374.5
72.5°	281.4	295.0	300.1	305.2	312.7	338.0	357.3	358.8	349.7	345.6	349.7
75°	239.4	248.0	252.5	248.5	261.6	287.9	313.2	315.8	306.2	299.6	301.1
77.5°	196.9	206.5	211.0	201.9	200.9	234.3	265.2	270.7	262.6	252.5	255.6
80°	142.2	154.9	162.4	156.4	154.3	169.0	211.5	217.6	210.0	201.9	206.5
82.5°	87.0	94.1	96.2	102.2	114.9	120.9	136.1	156.4	150.8	143.7	156.4
85°	34.4	41.0	45.5	51.6	60.2	71.4	84.0	100.2	91.1	88.1	103.7
87.5°	2.0	0.5	0.0	1.0	8.6	16.7	35.9	49.6	41.5	44.5	53.6
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: P631886
 CATALOG NUMBER: GWS-SA2B-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1
2.5°	821.3	834.5	852.2	866.9	885.6	903.3	921.5	939.7	949.4	953.4
5°	763.1	787.4	815.8	847.1	883.6	922.0	961.0	1001.0	1026.3	1028.3
7.5°	728.2	763.1	802.1	841.6	886.6	939.7	1001.5	1063.2	1089.0	1096.1
10°	739.3	778.3	809.2	846.1	895.7	962.0	1034.9	1107.3	1137.1	1145.7
12.5°	783.9	791.5	801.1	835.0	895.7	981.2	1069.3	1155.3	1187.2	1195.3
15°	820.8	784.4	767.2	803.1	883.6	997.9	1105.7	1200.9	1239.3	1246.9
17.5°	823.9	761.1	723.7	756.0	862.3	1009.6	1140.7	1251.5	1283.9	1290.9
20°	793.0	736.3	687.7	707.5	833.5	1014.6	1166.0	1288.4	1320.3	1327.4
22.5°	758.1	716.1	663.4	662.4	798.6	1020.2	1196.3	1323.3	1357.7	1362.3
25°	725.2	688.2	643.7	629.5	758.1	1030.8	1237.3	1376.0	1402.3	1403.8
27.5°	686.7	658.4	628.0	614.4	722.6	1051.1	1298.0	1438.7	1454.4	1451.9
30°	651.8	630.5	616.9	612.8	700.4	1066.3	1355.7	1500.5	1501.5	1492.9
32.5°	614.9	606.8	606.8	619.9	682.2	1062.7	1402.8	1560.7	1551.1	1538.4
35°	582.0	583.5	594.1	625.0	651.8	1027.3	1447.8	1636.1	1621.9	1603.7
37.5°	550.6	562.2	577.4	607.3	611.8	974.7	1500.5	1742.9	1725.1	1702.4
40°	523.8	541.5	559.2	573.9	569.3	899.8	1573.8	1868.4	1848.6	1822.3
42.5°	502.5	519.7	539.5	541.0	542.5	821.8	1651.8	2022.2	2018.7	1989.8
45°	488.9	500.0	518.7	516.2	541.0	735.8	1723.6	2257.0	2303.6	2281.8
47.5°	479.7	488.3	490.4	501.0	554.1	658.9	1816.2	2716.5	2846.1	2821.3
50°	474.7	483.3	460.5	502.0	556.2	609.3	1944.3	3293.4	3501.9	3469.0
52.5°	474.2	472.2	437.7	512.6	545.0	578.9	2011.1	3714.5	4177.0	4248.3
55°	475.2	449.9	426.1	515.7	522.8	567.8	1787.4	3916.9	4799.9	4950.7
57.5°	466.1	425.6	432.7	503.5	480.8	597.7	1321.3	3844.5	5048.9	5329.3
60°	448.9	402.3	444.8	470.6	437.7	546.5	909.9	3521.6	4790.8	5079.3
62.5°	424.1	386.1	443.3	428.1	422.1	447.4	625.5	3069.7	4381.4	4663.3
65°	396.2	373.0	419.5	387.1	390.7	344.1	442.3	2559.6	3892.6	4169.9
67.5°	366.4	364.9	384.6	344.6	329.9	272.8	322.4	2051.6	3264.6	3514.6
70°	332.5	343.6	349.7	306.2	267.7	214.1	239.4	1434.7	2408.3	2625.9
72.5°	298.6	299.6	308.2	266.2	200.4	171.6	179.6	868.9	1636.1	1794.5
75°	264.2	254.5	262.6	216.6	149.3	140.7	138.7	536.9	1130.0	1255.0
77.5°	227.2	216.6	206.0	163.0	119.9	108.8	106.3	301.1	693.3	770.2
80°	184.7	170.5	153.8	119.4	87.5	77.9	77.4	146.8	345.6	385.1
82.5°	143.7	116.9	112.3	74.4	54.1	47.6	50.6	56.2	104.2	116.4
85°	100.7	85.0	59.7	29.9	24.3	19.7	19.2	16.7	27.8	30.9
87.5°	56.2	36.9	19.2	3.5	4.0	4.6	3.5	2.5	2.5	2.5
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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