

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: P631882

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

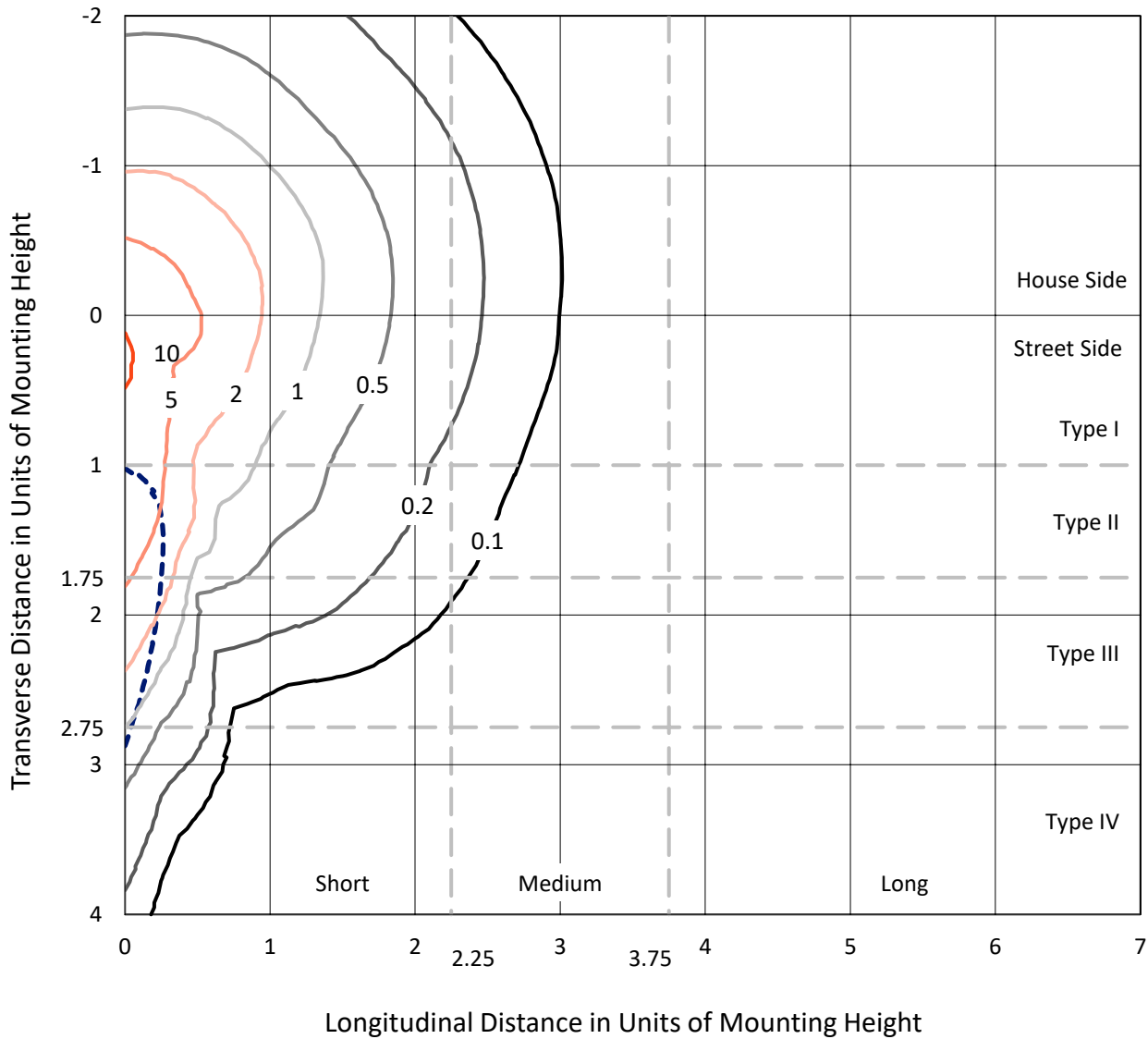
Lumens per Lamp: N/A  
Luminaire Lumens: 6616.3 lumens  
Efficiency: N/A  
Efficacy: 142.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

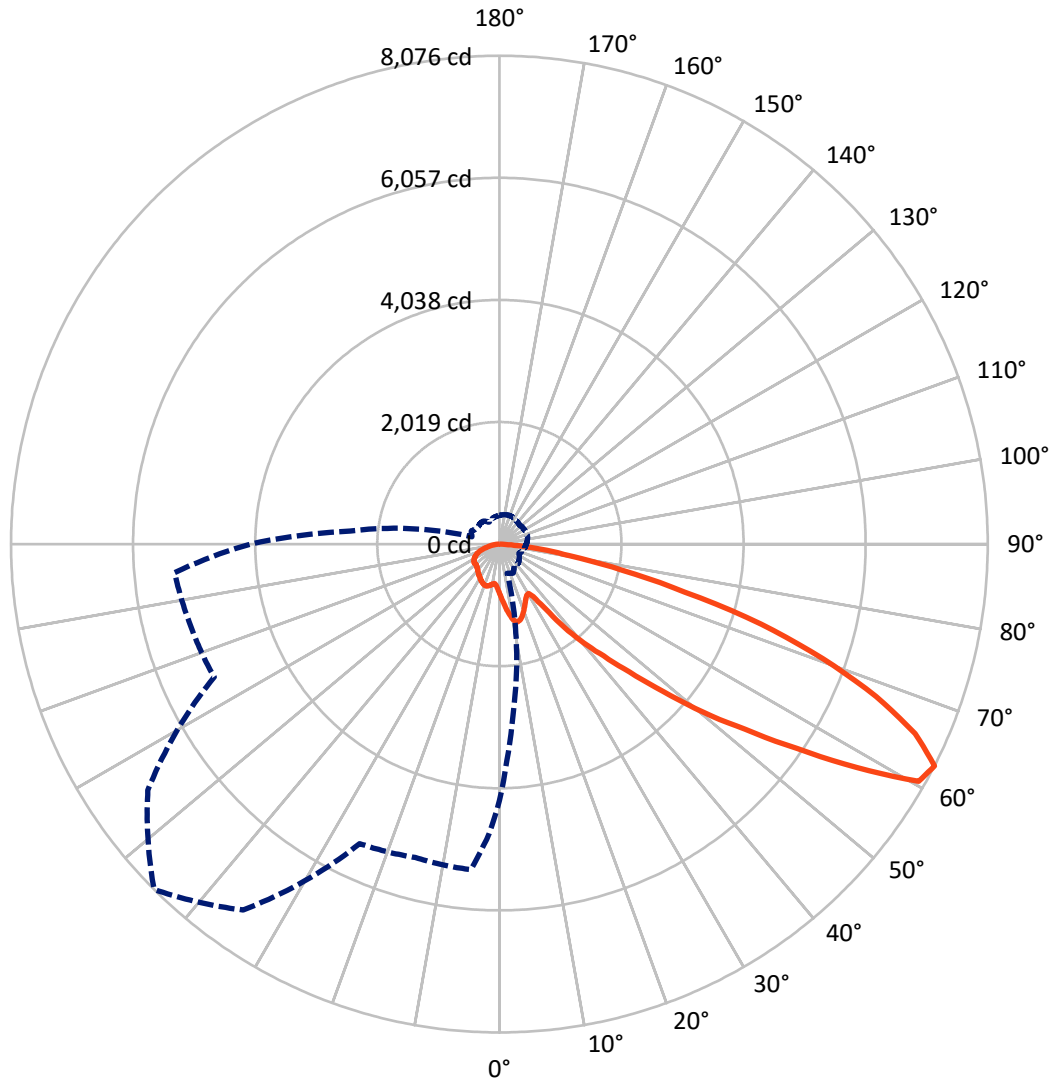
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1582.0	0.0	1582.0
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	5034.3	0.0	5034.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	6616.3	0.0	6616.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	1.2
10°-20°	264.1	4.0
20°-30°	415.8	6.3
30°-40°	569.9	8.6
40°-50°	889.2	13.4
50°-60°	1533.2	23.2
60°-70°	1776.8	26.9
70°-80°	937.9	14.2
80°-90°	148.2	2.2
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°	6616.3	100.0
0°-180°	6616.3	100.0

**Coefficient of Utilization**



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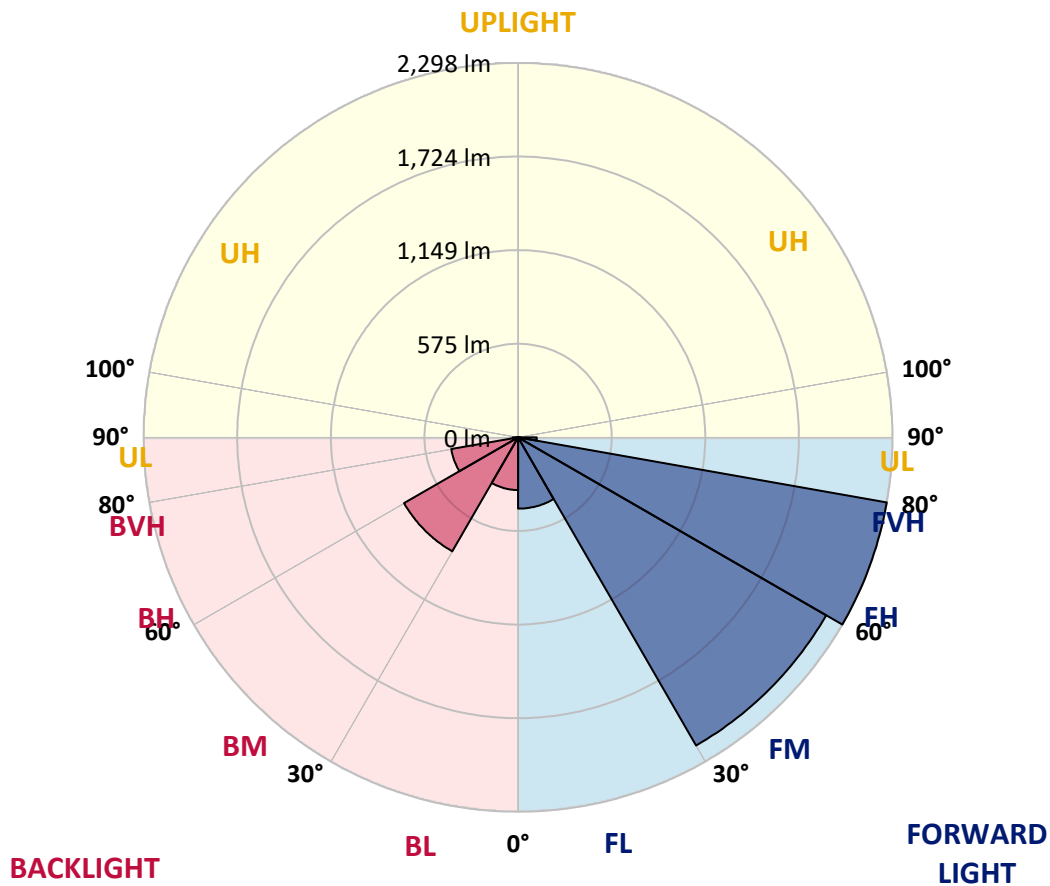
CATALOG NUMBER: GWS-SA2B-750-U-SLL-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.6	6.6			
FM (30°-60°)	2184.3	33.0			
FH (60°-80°)	2298.1	34.7			G2/5000
FVH (80°-90°)	114.4	1.7			G2/225
BL (0°-30°)	323.6	4.9	B1/500		
BM (30°-60°)	808.1	12.2	B1/1000		
BH (60°-80°)	416.5	6.3	B1/500		G1/500
BVH (80°-90°)	33.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9
2.5°	896.3	892.7	887.7	870.5	859.8	847.7	835.0	820.4	803.7	792.0	780.4
5°	972.2	966.6	954.5	913.5	885.1	854.3	828.5	799.1	770.3	750.5	730.8
7.5°	1045.1	1038.0	1019.3	956.5	910.4	865.9	826.9	784.4	741.4	712.1	688.8
10°	1117.9	1103.3	1079.5	997.5	936.8	885.1	840.6	788.5	731.3	691.3	666.5
12.5°	1173.6	1159.9	1134.1	1034.9	963.1	898.3	848.2	800.1	751.5	709.0	683.7
15°	1225.7	1208.0	1178.7	1069.9	984.8	897.8	833.0	791.0	783.9	773.3	740.4
17.5°	1263.2	1247.0	1216.6	1098.2	997.0	882.1	791.0	766.2	798.1	830.5	799.1
20°	1296.1	1277.4	1246.5	1117.9	999.5	847.2	739.9	740.4	790.5	835.0	827.4
22.5°	1323.9	1303.2	1275.8	1140.2	998.5	798.6	695.4	725.7	775.8	810.7	811.8
25°	1358.3	1341.1	1318.3	1173.1	998.5	749.0	663.0	708.0	751.0	780.4	779.4
27.5°	1400.3	1388.7	1370.0	1223.2	1007.6	707.5	644.7	685.2	719.1	744.4	743.9
30°	1447.4	1436.8	1422.6	1276.3	1023.3	676.6	634.6	656.9	681.7	701.9	701.9
32.5°	1495.5	1491.4	1476.2	1318.9	1011.2	667.0	626.0	628.6	641.7	658.4	656.9
35°	1562.3	1558.2	1539.0	1351.7	958.5	653.4	612.4	599.7	601.2	611.9	615.4
37.5°	1660.0	1653.9	1625.5	1390.2	879.1	618.9	590.1	569.3	564.8	569.3	575.9
40°	1777.9	1768.8	1730.3	1442.3	787.5	572.4	555.2	538.0	530.4	531.9	539.5
42.5°	1925.6	1906.4	1851.3	1497.5	696.9	531.4	516.2	505.6	497.0	496.0	510.6
45°	2165.5	2112.9	2025.3	1546.6	620.5	509.6	481.3	473.7	466.6	470.7	487.9
47.5°	2584.6	2487.4	2316.8	1588.6	573.9	510.1	453.5	445.4	444.8	452.9	472.2
50°	3160.5	3020.3	2757.1	1616.9	549.6	516.2	436.7	423.6	433.2	441.3	459.5
52.5°	3712.1	3498.0	3184.8	1616.4	539.0	517.2	441.3	403.3	433.2	435.2	452.4
55°	4183.3	3795.6	3300.2	1450.4	523.8	513.2	459.0	387.7	427.6	435.2	448.9
57.5°	4557.8	3984.9	3291.6	1171.6	569.8	490.9	469.6	384.1	411.4	436.2	451.9
60°	4516.3	3898.4	3079.5	719.1	565.3	451.4	468.1	390.7	384.1	422.6	448.4
62.5°	4240.5	3588.1	2714.6	499.0	530.9	428.7	443.3	402.3	358.8	402.8	431.2
65°	3854.3	3187.8	2262.2	382.6	439.8	429.7	401.3	394.2	336.5	371.5	401.8
67.5°	3343.7	2691.4	1786.0	303.1	306.7	372.0	364.4	350.2	315.8	343.6	371.0
70°	2513.7	1964.1	1228.8	243.9	232.3	310.7	327.4	314.8	295.6	303.6	332.5
72.5°	1771.3	1282.4	673.1	193.3	179.2	238.9	284.4	282.4	261.1	267.2	295.6
75°	1316.3	907.4	420.6	152.8	145.8	171.1	238.4	244.4	226.7	233.8	255.6
77.5°	876.0	587.6	233.8	113.4	113.4	125.0	177.6	206.0	192.8	198.4	213.6
80°	483.3	299.1	116.9	74.4	76.4	86.0	129.6	148.3	148.8	162.5	166.5
82.5°	152.8	95.1	52.1	43.5	41.0	49.1	83.5	106.3	99.2	126.5	116.4
85°	34.9	22.3	9.6	9.6	10.6	16.2	31.9	56.7	72.4	87.0	63.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	22.3	32.9	29.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9
2.5°	773.3	763.2	760.1	751.5	750.5	742.4	739.4	739.4	742.9	742.9	746.5
5°	722.7	710.0	702.9	692.8	690.3	684.2	680.2	680.7	685.2	688.3	694.3
7.5°	678.2	669.5	664.5	659.9	658.9	657.9	653.4	652.8	654.4	658.9	663.5
10°	659.4	653.4	654.9	658.4	664.0	667.0	663.0	660.9	659.4	662.5	666.5
12.5°	677.6	671.6	674.6	680.7	688.3	691.3	689.8	689.3	690.8	702.4	711.0
15°	717.6	706.0	701.9	704.5	710.5	713.6	712.1	714.1	723.7	754.1	775.8
17.5°	767.2	738.9	722.7	718.1	720.7	723.2	723.2	728.3	745.0	789.5	816.8
20°	794.0	757.1	729.8	718.6	719.7	722.2	722.2	729.3	748.0	795.6	813.3
22.5°	787.0	753.1	719.7	707.5	708.0	710.0	710.0	716.1	732.8	774.8	782.9
25°	759.1	729.3	696.4	685.7	686.8	690.3	689.3	692.8	705.5	739.9	744.4
27.5°	725.7	699.4	667.0	658.9	663.5	670.6	664.5	665.0	676.6	705.5	706.0
30°	689.8	668.0	639.2	633.1	641.7	645.3	639.7	639.7	651.3	671.1	670.6
32.5°	650.8	637.2	616.4	609.8	619.4	625.0	617.9	618.9	628.0	641.2	636.1
35°	614.4	607.3	597.7	593.1	599.2	604.3	599.7	601.7	610.3	613.9	606.8
37.5°	579.5	578.5	579.5	579.5	581.0	582.5	579.5	584.5	592.1	587.6	579.5
40°	549.1	553.1	562.8	560.2	558.7	560.2	558.2	566.8	574.4	566.3	556.7
42.5°	523.8	531.4	546.1	546.1	543.0	544.0	543.0	553.7	559.2	548.1	537.5
45°	502.0	513.2	531.9	534.4	529.4	529.4	531.4	544.5	546.6	531.4	520.3
47.5°	486.9	500.5	521.8	526.3	518.7	518.2	523.8	538.0	538.0	520.3	507.6
50°	476.2	491.4	516.7	522.8	515.2	513.2	522.3	535.9	532.9	511.7	499.0
52.5°	469.1	484.8	516.2	524.8	519.7	517.7	526.8	536.4	528.9	506.1	492.9
55°	464.6	481.8	517.7	524.8	519.2	515.7	524.8	533.4	529.4	503.0	490.4
57.5°	467.1	484.3	515.7	519.2	512.7	506.6	517.2	529.4	527.8	504.1	491.4
60°	463.1	478.8	504.6	505.6	494.4	484.8	500.5	518.7	518.7	500.5	489.4
62.5°	444.3	460.0	482.8	483.8	471.2	460.5	478.8	500.5	500.0	485.3	473.7
65°	413.5	428.1	454.0	456.5	443.8	432.7	451.4	471.7	473.2	460.0	449.9
67.5°	379.6	392.7	412.0	422.1	411.4	399.8	417.0	436.2	435.7	420.0	409.4
70°	339.1	351.2	368.9	377.5	371.0	359.8	375.5	385.6	381.1	373.5	366.4
72.5°	299.1	310.7	327.4	327.4	320.4	309.7	314.3	332.5	338.1	332.5	327.9
75°	257.1	267.2	278.9	281.4	265.7	246.5	267.7	283.4	290.0	287.5	281.9
77.5°	214.1	221.7	238.9	234.3	205.0	194.8	212.0	235.3	239.9	238.4	230.8
80°	165.0	169.5	187.8	178.6	155.9	149.3	156.9	175.1	176.1	171.1	161.4
82.5°	110.8	116.9	129.1	111.3	110.8	104.8	98.7	100.7	109.8	108.8	102.2
85°	56.7	59.7	71.4	66.8	57.2	49.6	47.1	50.1	45.0	41.0	35.4
87.5°	23.8	25.8	35.4	19.7	6.1	0.0	0.0	3.0	4.6	6.6	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9
2.5°	754.6	760.1	773.8	791.0	807.7	824.9	843.6	855.3	869.5	887.7	888.2
5°	701.9	714.6	734.3	760.6	788.0	819.3	855.8	886.2	922.6	951.4	963.1
7.5°	669.5	687.8	712.6	746.0	781.9	820.9	868.4	919.6	979.3	1017.7	1040.5
10°	672.6	700.4	725.2	753.6	785.9	828.0	889.2	957.0	1030.4	1081.0	1109.3
12.5°	726.7	756.1	751.5	750.0	771.8	822.9	905.9	995.0	1084.5	1135.1	1169.1
15°	795.1	806.2	763.2	730.8	743.9	804.7	915.0	1028.9	1129.6	1191.3	1224.7
17.5°	830.0	807.7	755.6	707.0	703.5	776.8	919.6	1063.3	1180.2	1241.9	1277.4
20°	813.8	781.4	737.4	691.3	666.0	738.9	917.0	1090.6	1226.2	1295.1	1323.9
22.5°	778.9	750.5	716.1	672.1	635.6	697.4	910.4	1117.9	1267.2	1336.6	1361.9
25°	740.9	719.7	691.3	652.8	618.4	660.9	905.9	1154.4	1314.3	1380.6	1396.8
27.5°	702.9	687.3	664.0	634.1	614.4	635.6	907.4	1201.9	1375.0	1437.8	1431.2
30°	665.5	651.8	635.6	622.5	613.9	629.6	903.4	1252.6	1441.8	1500.0	1461.1
32.5°	630.1	617.4	607.3	609.3	614.4	632.1	882.6	1298.6	1503.1	1552.7	1493.5
35°	599.7	586.6	586.6	593.6	612.4	623.5	829.0	1334.5	1570.9	1620.5	1539.5
37.5°	571.4	559.7	567.3	579.0	596.7	600.2	760.1	1369.5	1669.6	1716.1	1610.9
40°	546.6	534.9	548.6	563.3	572.4	570.9	690.3	1418.0	1786.0	1834.0	1705.5
42.5°	526.8	516.2	528.4	547.1	548.6	550.1	639.2	1464.6	1921.1	1982.3	1868.5
45°	510.6	503.0	509.1	527.8	527.8	551.1	607.3	1503.6	2124.5	2232.8	2167.6
47.5°	498.0	493.4	496.5	502.5	512.7	569.3	587.1	1533.4	2495.0	2707.5	2641.8
50°	490.9	486.3	490.4	477.7	508.1	578.5	580.5	1556.2	2983.4	3316.4	3234.9
52.5°	484.8	483.3	485.8	456.5	518.2	572.4	575.4	1525.8	3310.8	3915.6	3996.0
55°	482.8	483.8	471.7	440.8	530.4	552.1	560.2	1308.7	3399.9	4432.3	4931.8
57.5°	483.8	480.8	449.9	442.3	530.9	511.7	582.0	933.7	3270.3	4657.0	5847.3
60°	480.3	465.1	423.6	456.0	507.6	464.1	566.3	608.8	2928.7	4484.4	5900.4
62.5°	464.6	442.3	400.8	463.6	466.1	435.7	514.2	469.1	2473.2	4115.0	5388.3
65°	441.8	412.0	381.6	447.9	424.1	422.6	386.6	376.0	1988.9	3675.2	4902.4
67.5°	404.4	374.5	367.4	412.0	381.6	374.5	310.7	311.7	1587.1	3206.5	4414.1
70°	361.8	332.0	337.6	372.5	339.6	311.2	251.5	259.6	1204.0	2671.6	3755.6
72.5°	334.0	294.0	294.5	327.9	298.6	252.0	207.0	214.1	764.2	2013.7	2985.9
75°	281.9	259.1	248.0	265.7	253.5	196.4	174.1	172.6	452.9	1443.3	2235.9
77.5°	235.3	217.6	212.0	219.1	189.3	145.2	140.2	137.7	256.6	924.6	1465.1
80°	170.6	166.0	165.5	169.0	145.8	106.8	106.8	107.3	138.2	502.0	825.9
82.5°	108.3	118.4	104.8	116.4	99.2	75.9	70.9	80.5	79.5	214.1	348.2
85°	45.0	61.7	57.7	61.2	47.1	41.5	44.5	48.1	46.1	82.5	135.6
87.5°	8.6	10.1	11.1	10.6	10.6	13.2	14.7	17.7	17.7	23.8	41.0
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: P631882  
 CATALOG NUMBER: GWS-SA2B-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9
2.5°	907.4	922.1	919.0	925.6	917.0	920.1	902.9	898.3	895.3	896.3
5°	1000.5	1030.4	1036.0	1047.1	1039.5	1039.5	1009.1	986.4	978.3	972.2
7.5°	1095.2	1138.2	1166.5	1169.6	1165.5	1157.4	1113.4	1072.4	1057.7	1045.1
10°	1179.2	1230.8	1262.7	1277.9	1270.3	1257.6	1203.0	1146.8	1129.1	1117.9
12.5°	1243.4	1289.0	1310.2	1320.4	1319.4	1314.8	1270.3	1209.5	1190.8	1173.6
15°	1284.9	1307.7	1299.6	1299.1	1306.2	1324.4	1310.8	1263.2	1241.4	1225.7
17.5°	1311.8	1290.0	1254.1	1237.4	1252.6	1295.6	1327.0	1300.1	1280.4	1263.2
20°	1321.4	1244.0	1191.8	1161.0	1178.7	1240.9	1318.3	1327.0	1310.2	1296.1
22.5°	1310.2	1187.8	1116.9	1080.5	1097.7	1172.1	1293.0	1348.7	1337.6	1323.9
25°	1282.9	1129.1	1044.0	1011.2	1029.9	1105.8	1248.0	1369.0	1369.5	1358.3
27.5°	1249.0	1074.9	992.9	962.1	980.3	1051.1	1204.0	1386.7	1404.4	1400.3
30°	1214.6	1042.5	968.6	946.9	960.5	1023.3	1158.9	1404.9	1440.3	1447.4
32.5°	1198.9	1058.2	1025.8	1035.4	1017.7	1039.5	1142.7	1430.7	1483.8	1495.5
35°	1219.7	1197.4	1279.4	1317.3	1254.6	1172.1	1163.5	1469.7	1545.1	1562.3
37.5°	1320.4	1495.5	1617.9	1751.6	1642.7	1461.1	1266.2	1536.0	1632.6	1660.0
40°	1539.5	1755.6	1976.8	2149.3	1984.9	1740.4	1461.6	1634.6	1753.1	1777.9
42.5°	1746.0	1999.5	2304.2	2527.4	2313.8	1968.7	1672.1	1800.6	1912.0	1925.6
45°	1948.4	2238.9	2700.5	3010.7	2720.7	2185.8	1887.2	2081.0	2165.0	2165.5
47.5°	2185.8	2508.7	3197.4	3639.2	3260.7	2426.2	2089.1	2524.8	2641.8	2584.6
50°	2469.7	2776.9	3709.1	4370.5	3919.1	2721.7	2345.7	3065.9	3225.3	3160.5
52.5°	2849.8	3072.4	4272.9	5083.6	4636.7	3058.3	2717.7	3780.4	3833.1	3712.1
55°	3384.7	3499.1	4996.6	5964.2	5437.9	3472.7	3261.7	4677.2	4530.0	4183.3
57.5°	4602.8	4174.2	5925.7	6968.8	6344.3	4225.8	4454.0	5666.1	5142.3	4557.8
60°	5622.1	4994.0	6785.6	7965.7	7121.1	5055.8	5573.5	5838.2	5119.5	4516.3
62.5°	5278.4	5203.0	7095.8	8075.6	7386.3	5464.2	5365.5	5404.5	4785.5	4240.5
65°	4631.2	4799.7	6819.0	7554.8	7092.2	5098.3	4853.3	5003.6	4403.4	3854.3
67.5°	4249.1	4373.1	6326.5	6721.3	6557.8	4702.5	4455.1	4346.2	3810.3	3343.7
70°	3858.4	3961.1	5635.2	5675.2	5724.3	4044.6	3642.8	3318.9	2840.1	2513.7
72.5°	3334.1	3339.6	4761.2	4529.4	4622.6	3165.0	2932.2	2481.3	2067.3	1771.3
75°	2797.1	2644.3	3768.8	3166.1	3352.8	2462.1	2434.8	1870.0	1559.2	1316.3
77.5°	2132.6	1954.0	2753.1	2082.0	2354.8	1639.7	1830.5	1268.2	1097.2	876.0
80°	1431.7	1320.4	1521.3	1175.1	1540.5	1130.1	1193.9	718.6	623.0	483.3
82.5°	755.1	644.7	940.3	696.9	929.2	621.0	447.9	222.2	189.3	152.8
85°	292.5	338.6	461.0	248.0	360.3	221.7	129.6	55.2	46.1	34.9
87.5°	56.7	87.6	48.1	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

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