

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: P629407

Luminaire Tested: GWS-SA1B-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

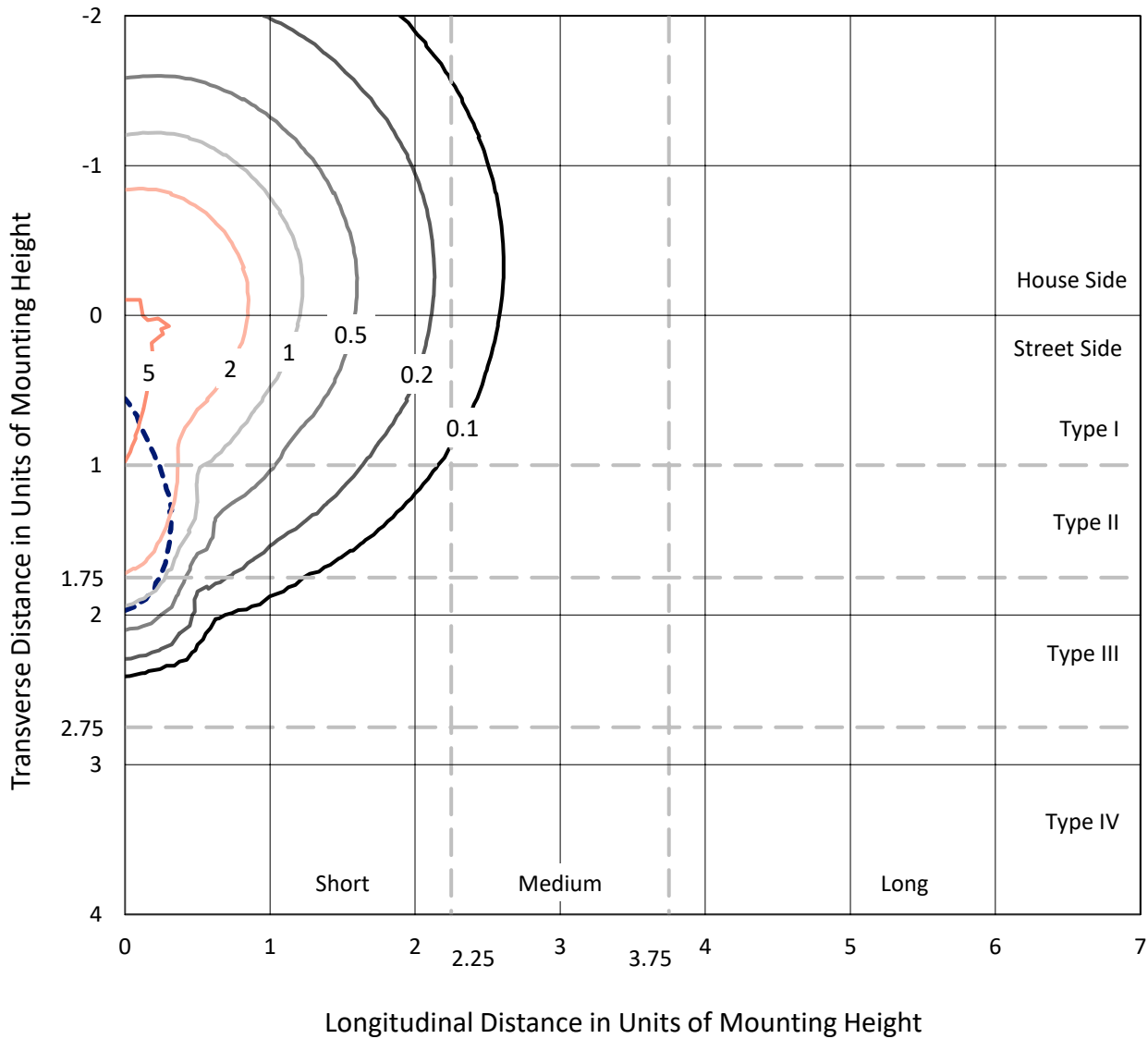
Lumens per Lamp: N/A  
Luminaire Lumens: 2853.7 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

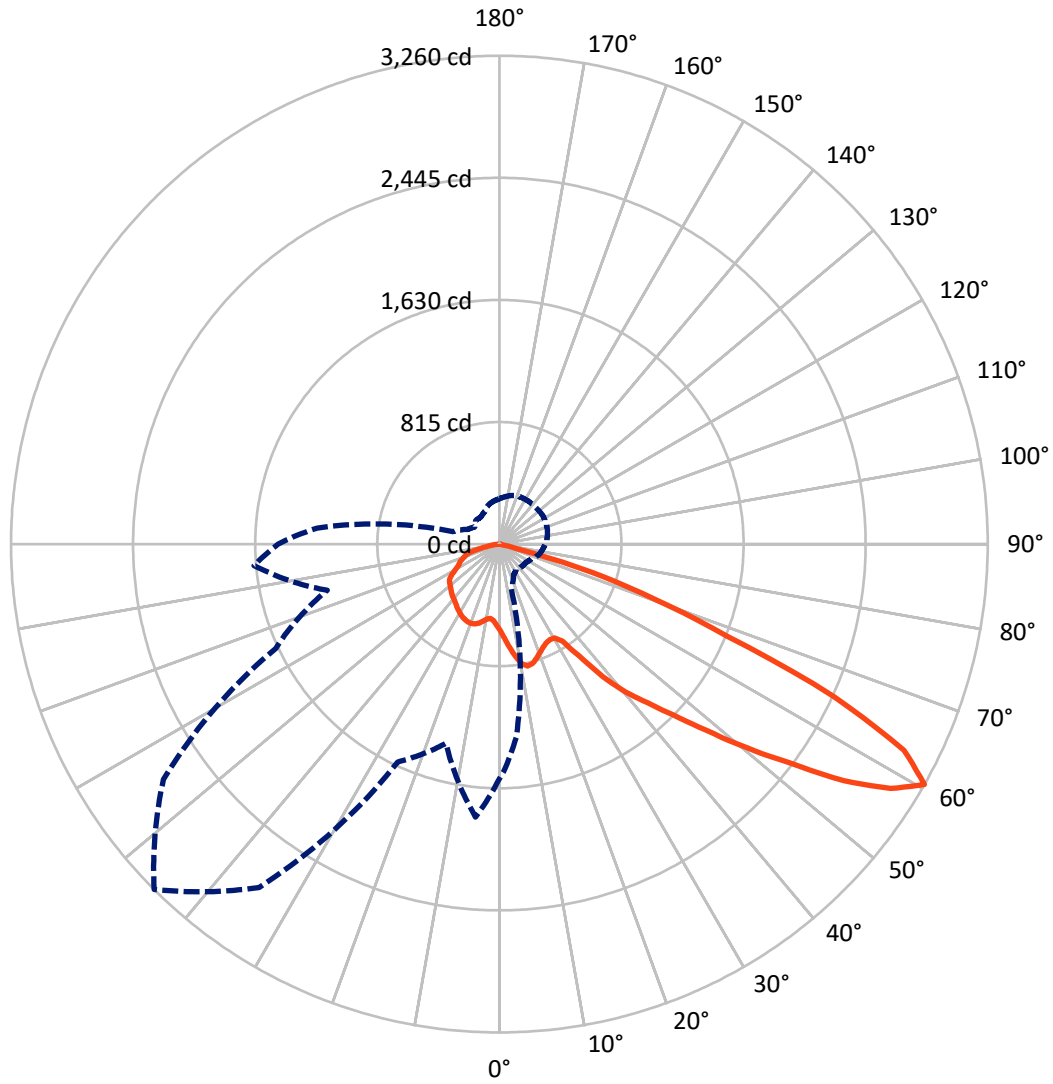
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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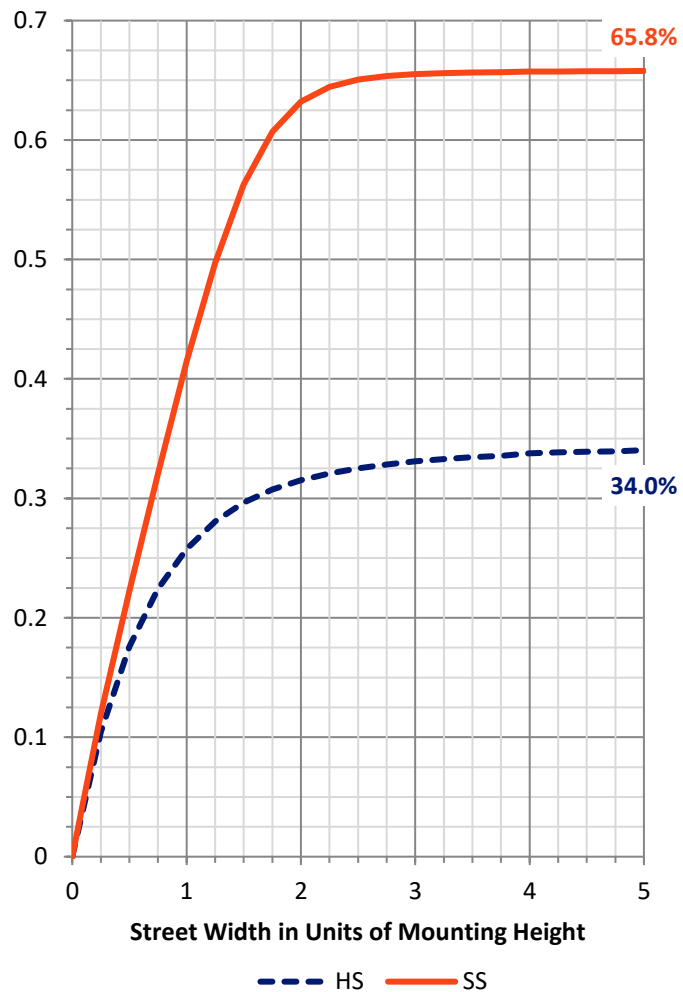
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	976.2	0.0	976.2
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	1877.5	0.0	1877.5
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	2853.7	0.0	2853.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.2	2.0
10°-20°	180.4	6.3
20°-30°	293.7	10.3
30°-40°	412.6	14.5
40°-50°	564.7	19.8
50°-60°	724.4	25.4
60°-70°	487.8	17.1
70°-80°	121.9	4.3
80°-90°	11.9	0.4
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°	2853.7	100.0
0°-180°	2853.7	100.0

**Coefficient of Utilization**



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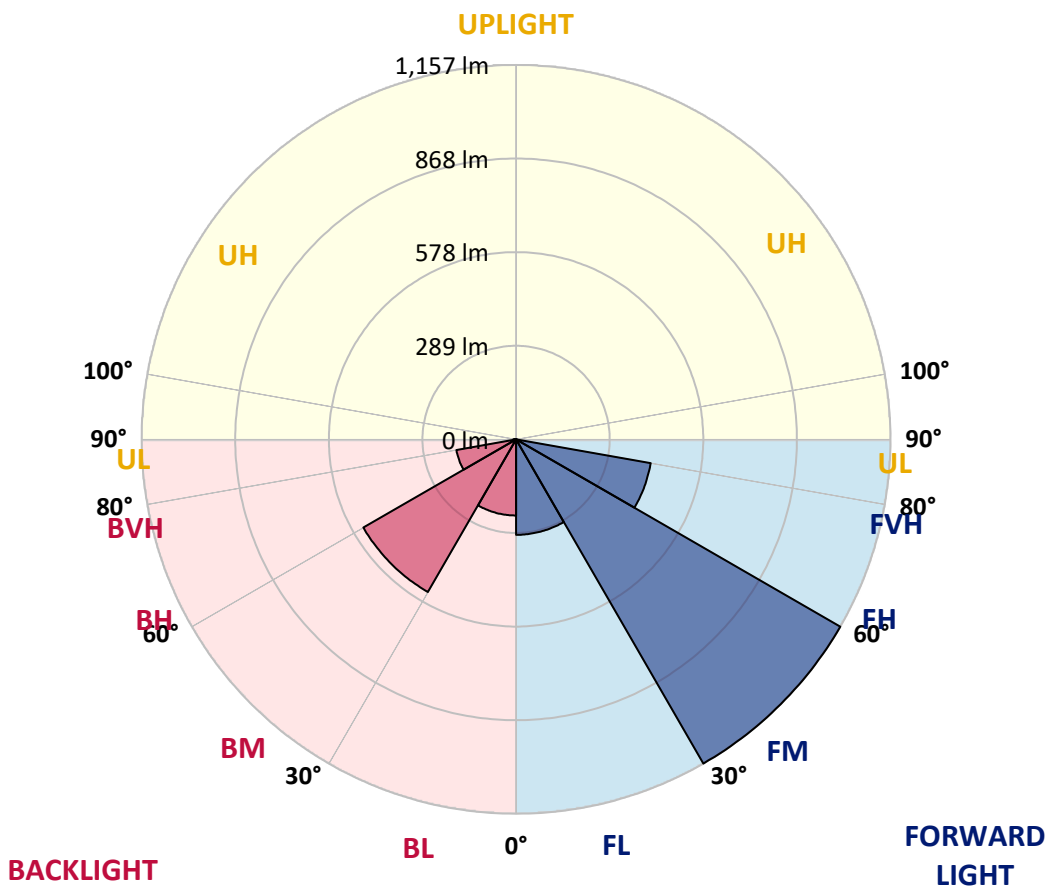
CATALOG NUMBER: GWS-SA1B-750-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.0	10.3			
FM (30°-60°)	1156.9	40.5			
FH (60°-80°)	422.5	14.8			G0/660
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	235.3	8.2	B1/500		
BM (30°-60°)	544.8	19.1	B1/1000		
BH (60°-80°)	187.3	6.6	B1/500		G1/500
BVH (80°-90°)	8.8	0.3			G0/10
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	608.9	607.6	606.3	596.1	593.4	586.1	580.8	574.2	564.8	559.5	555.1
5°	647.0	644.9	637.8	616.8	603.2	588.2	575.8	562.2	547.7	538.2	530.9
7.5°	683.1	682.5	670.4	635.7	613.7	592.1	575.3	555.3	534.6	520.4	510.9
10°	716.4	712.5	698.0	652.8	623.9	599.2	581.1	559.0	534.8	515.6	503.0
12.5°	745.9	740.9	720.9	668.6	632.9	602.4	582.7	564.5	548.5	532.5	518.0
15°	770.0	764.0	743.8	683.3	640.7	600.5	572.9	558.7	564.3	571.4	555.3
17.5°	792.6	786.3	761.6	694.1	643.1	589.2	549.0	543.0	570.8	603.2	595.8
20°	811.6	804.5	775.8	699.3	638.9	567.7	518.0	528.5	565.3	603.9	615.8
22.5°	832.1	826.3	791.9	707.0	633.6	538.0	492.0	517.7	555.8	589.8	607.6
25°	864.9	857.8	816.8	720.4	631.0	510.1	473.3	507.2	542.7	573.5	587.4
27.5°	912.5	899.3	851.0	743.8	633.9	483.8	461.5	494.4	527.5	553.7	565.0
30°	964.3	948.5	888.8	767.9	638.1	467.8	455.2	479.6	504.1	530.4	542.7
32.5°	1025.5	1011.6	929.3	786.1	629.2	460.4	450.5	463.6	483.1	504.1	514.3
35°	1098.6	1073.6	973.5	800.8	600.3	449.7	446.3	446.0	456.2	476.7	488.3
37.5°	1177.1	1150.3	1027.9	816.6	555.3	432.6	436.3	425.2	434.7	451.0	464.1
40°	1241.5	1213.4	1082.8	838.1	499.1	405.8	414.2	402.4	408.1	425.0	439.7
42.5°	1304.6	1274.6	1134.0	862.6	444.7	379.5	383.7	379.2	381.1	398.7	419.2
45°	1387.4	1353.8	1197.1	879.9	395.8	358.7	354.8	347.2	356.9	379.8	401.6
47.5°	1525.6	1485.4	1300.4	891.2	360.3	346.9	328.8	324.3	336.4	361.9	384.5
50°	1687.3	1652.6	1465.4	890.7	333.8	336.9	303.5	299.6	319.6	345.3	369.3
52.5°	1819.7	1784.5	1606.6	864.4	312.0	315.6	288.8	277.8	305.1	329.0	353.0
55°	1926.7	1887.0	1671.5	754.5	284.4	281.7	272.8	252.6	287.0	312.7	335.1
57.5°	1869.1	1821.8	1592.9	573.7	256.0	239.4	245.2	230.2	262.3	294.6	316.2
60°	1567.2	1524.6	1294.1	305.4	225.2	200.0	212.1	214.5	235.2	272.8	294.9
62.5°	1076.5	1045.5	877.0	185.3	177.7	160.6	179.5	196.6	212.1	243.9	263.1
65°	526.7	517.5	438.6	118.8	124.3	129.8	148.8	169.5	192.4	220.2	240.5
67.5°	145.1	146.1	133.0	92.8	98.0	113.3	128.3	144.8	167.7	193.4	213.9
70°	63.9	64.9	67.0	71.5	81.5	95.4	110.9	128.0	149.0	170.6	190.3
72.5°	44.4	45.5	48.6	54.4	63.3	76.5	91.2	107.5	129.3	147.4	163.7
75°	27.3	28.1	31.0	36.0	42.1	52.0	66.5	81.5	100.7	117.2	131.7
77.5°	14.5	13.9	15.8	19.2	24.4	29.7	39.4	48.9	62.5	76.0	88.0
80°	7.9	7.6	8.7	10.5	12.1	16.3	22.9	29.2	37.1	44.7	51.2
82.5°	3.4	3.2	3.4	4.5	5.5	7.9	11.6	16.0	20.5	25.8	30.0
85°	0.0	0.0	0.0	0.3	1.3	2.1	3.9	5.8	8.4	11.6	14.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	552.4	545.9	545.3	540.1	540.6	540.9	535.6	533.5	535.4	537.5	536.4
5°	528.3	521.4	518.5	513.5	513.0	510.6	508.5	505.9	507.8	509.6	510.6
7.5°	507.2	502.8	500.9	499.6	500.1	499.1	494.9	492.5	492.2	493.0	494.1
10°	500.4	496.7	499.1	502.8	505.4	507.2	502.8	498.8	495.1	493.6	493.6
12.5°	515.1	510.4	515.1	519.1	524.3	525.6	520.6	516.4	515.1	516.7	519.8
15°	547.7	536.7	536.4	538.8	543.0	545.1	540.3	538.2	538.2	548.2	556.1
17.5°	580.3	562.2	554.5	553.2	555.8	556.6	552.7	550.9	555.6	575.0	589.8
20°	603.2	581.1	564.5	561.4	562.2	562.4	559.3	558.0	564.8	588.4	600.8
22.5°	600.8	584.5	564.3	560.3	561.6	561.1	558.2	557.7	563.2	583.7	589.5
25°	584.5	571.9	554.8	552.2	554.3	554.0	551.1	549.8	552.2	565.8	566.4
27.5°	565.8	554.8	540.1	539.3	542.7	544.5	539.6	535.6	534.8	544.0	541.9
30°	543.5	535.4	523.5	524.0	530.4	531.4	525.4	519.6	518.0	523.0	520.1
32.5°	517.0	514.3	508.0	509.3	515.4	517.5	511.2	505.1	503.3	504.9	498.8
35°	494.4	493.3	493.8	496.2	501.4	503.0	497.8	493.0	490.4	484.9	477.0
37.5°	471.0	473.9	481.5	485.9	488.8	488.3	485.4	482.0	477.8	467.5	457.8
40°	449.1	456.5	470.2	475.2	476.2	476.5	474.4	471.5	466.2	452.6	441.5
42.5°	432.3	440.5	458.6	466.2	466.8	467.3	465.2	462.8	455.5	437.3	426.5
45°	414.7	425.5	446.8	456.0	455.5	455.2	453.4	452.3	443.6	422.6	410.8
47.5°	399.7	412.4	435.2	443.1	442.8	442.6	441.3	441.3	432.6	409.7	396.3
50°	385.0	399.5	423.4	430.0	430.5	430.0	429.4	430.2	420.0	395.5	382.4
52.5°	369.0	385.3	410.3	416.3	419.4	420.8	420.8	418.9	406.8	381.3	366.9
55°	351.4	366.9	395.8	403.9	406.6	408.9	408.9	405.3	394.0	368.2	352.7
57.5°	329.6	343.2	366.1	374.2	380.6	382.1	382.1	376.1	366.9	342.2	329.6
60°	305.9	317.7	333.2	341.9	346.7	343.5	345.9	344.3	336.9	314.1	303.5
62.5°	274.4	286.5	303.5	312.5	314.6	311.4	314.6	314.3	304.3	283.8	271.2
65°	251.8	263.6	280.4	292.0	295.4	294.6	296.7	293.6	281.2	261.8	249.7
67.5°	225.0	237.6	257.0	269.9	277.0	277.8	280.7	274.1	261.5	240.2	225.0
70°	199.5	210.3	225.2	237.3	247.3	252.3	252.8	243.4	227.6	210.0	198.9
72.5°	172.7	183.7	201.8	215.0	227.6	233.4	233.4	221.8	204.7	185.3	173.5
75°	140.1	150.3	166.9	181.1	195.5	202.9	202.6	192.6	173.7	155.3	143.0
77.5°	94.9	102.5	113.0	123.8	125.9	131.7	134.6	121.9	111.4	101.4	90.4
80°	55.2	59.9	65.7	71.7	73.1	74.9	70.2	65.4	59.9	53.4	48.4
82.5°	32.3	35.5	38.4	43.1	43.9	44.4	40.2	38.1	33.6	29.7	26.5
85°	15.8	16.8	19.4	21.8	20.8	20.2	18.4	16.3	14.5	12.9	11.3
87.5°	3.2	3.2	4.7	4.5	3.7	3.2	1.8	2.4	0.5	0.5	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	539.8	544.3	549.8	557.2	565.6	574.5	583.2	589.8	596.3	606.0	604.5
5°	512.2	519.8	528.5	539.8	553.5	569.0	586.3	603.7	622.3	638.1	644.9
7.5°	496.2	504.6	514.9	529.6	547.2	566.1	590.5	618.7	648.9	669.6	682.5
10°	496.2	507.0	520.4	534.6	550.1	569.5	599.7	635.0	673.9	701.2	716.2
12.5°	524.8	535.6	538.5	538.0	546.7	568.2	607.1	652.0	698.6	727.5	745.9
15°	569.5	573.2	551.4	531.4	532.7	558.7	610.5	665.7	719.8	754.5	774.5
17.5°	599.5	589.8	550.9	515.9	508.5	542.7	610.5	678.8	742.4	781.6	800.3
20°	601.8	577.7	537.5	500.9	482.0	521.4	606.3	688.8	764.3	807.6	827.6
22.5°	581.1	557.2	523.3	488.0	460.2	495.7	599.5	696.5	782.9	832.1	856.8
25°	557.4	537.5	508.8	474.9	445.2	469.6	593.2	709.3	808.9	865.2	890.1
27.5°	534.3	517.5	491.5	463.9	436.8	447.0	589.2	728.3	840.0	912.2	933.8
30°	511.7	496.5	472.8	453.4	432.3	432.3	585.8	750.1	880.9	965.1	986.6
32.5°	488.8	474.4	455.2	443.1	429.7	426.5	576.3	770.6	923.3	1022.9	1044.9
35°	467.5	453.1	438.4	433.4	428.4	422.1	553.0	786.6	964.5	1090.4	1109.3
37.5°	447.6	433.6	422.6	421.3	421.8	410.0	516.2	800.0	1016.0	1159.5	1169.5
40°	430.2	414.7	406.0	405.8	408.4	390.5	469.6	819.2	1074.9	1218.1	1213.9
42.5°	414.7	398.4	387.9	390.3	388.7	371.1	424.2	836.8	1126.2	1273.1	1264.7
45°	399.5	383.7	369.0	372.4	370.6	359.0	385.5	849.7	1182.9	1339.0	1340.1
47.5°	384.8	369.3	354.5	350.3	350.1	355.3	355.8	853.9	1275.4	1445.2	1421.3
50°	371.1	355.6	340.3	326.2	331.7	348.0	333.8	850.7	1413.9	1562.4	1495.7
52.5°	356.9	342.2	325.4	299.9	314.3	330.4	314.1	839.4	1498.6	1666.0	1626.0
55°	340.6	326.7	303.8	272.8	290.4	293.8	293.8	730.1	1534.6	1768.5	1793.2
57.5°	318.8	300.4	264.1	239.2	254.9	241.8	272.3	510.9	1475.2	1736.1	1832.1
60°	294.1	274.4	236.0	218.1	222.9	199.7	232.1	320.4	1222.6	1477.3	1643.4
62.5°	261.5	243.4	211.6	197.6	187.9	162.9	186.9	202.6	838.1	1097.0	1210.3
65°	239.7	219.7	191.3	172.9	153.0	131.1	124.0	133.0	450.7	613.9	690.4
67.5°	213.9	194.2	167.4	144.3	128.3	112.5	100.1	97.0	154.5	204.5	221.3
70°	189.5	170.6	148.2	126.7	110.6	95.1	83.0	74.4	71.5	71.0	69.9
72.5°	164.5	146.9	128.3	108.3	90.7	76.5	65.7	55.7	51.5	50.2	48.9
75°	134.8	120.9	102.2	80.7	66.5	53.4	44.9	38.4	34.7	33.4	31.8
77.5°	86.7	80.4	64.1	52.0	40.2	31.8	27.3	23.1	20.8	20.2	18.9
80°	46.3	43.1	35.5	30.0	23.9	19.4	17.1	14.7	13.4	12.9	12.4
82.5°	25.8	23.4	19.7	17.3	13.9	11.8	10.5	9.5	8.7	8.4	8.1
85°	11.6	10.0	7.9	7.4	6.6	6.0	5.8	5.3	5.0	4.7	4.5
87.5°	0.5	1.1	1.3	1.1	1.1	1.6	1.8	1.8	1.6	1.6	1.3
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: P629407

CATALOG NUMBER: GWS-SA1B-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	614.2	622.1	622.9	625.5	622.1	621.3	615.8	612.6	609.7	608.9
5°	662.0	677.8	684.1	688.6	684.4	682.3	670.2	657.6	650.5	647.0
7.5°	711.2	734.8	747.2	752.7	753.2	743.8	723.0	699.3	687.5	683.1
10°	755.1	784.2	800.5	811.0	807.4	795.8	767.4	735.4	720.4	716.4
12.5°	787.7	815.5	828.1	835.0	834.7	828.4	801.6	766.9	749.8	745.9
15°	808.7	825.2	826.0	827.6	832.1	840.5	826.5	794.5	775.6	770.0
17.5°	825.2	818.7	806.3	802.1	812.1	835.5	843.9	817.9	797.4	792.6
20°	835.7	802.6	780.8	772.7	784.2	822.3	854.4	838.9	817.6	811.6
22.5°	843.9	787.7	752.4	746.9	759.0	808.2	865.2	863.9	840.5	832.1
25°	856.8	777.7	732.5	728.5	739.8	801.3	879.6	897.8	877.0	864.9
27.5°	877.0	776.6	722.2	720.9	736.4	807.4	900.4	947.4	921.4	912.5
30°	905.1	786.6	724.6	727.2	746.1	829.2	932.7	1004.2	978.2	964.3
32.5°	945.6	813.4	760.6	771.9	785.8	864.1	980.0	1065.7	1046.0	1025.5
35°	999.0	887.0	867.0	915.1	902.0	940.6	1037.1	1140.3	1116.4	1098.6
37.5°	1070.2	1037.8	1056.2	1122.5	1090.7	1085.2	1106.7	1208.2	1195.0	1177.1
40°	1170.0	1176.6	1210.5	1297.5	1251.5	1216.0	1192.1	1259.1	1263.6	1241.5
42.5°	1236.3	1266.5	1348.2	1447.0	1383.7	1298.8	1263.6	1324.3	1324.6	1304.6
45°	1261.0	1340.1	1510.9	1624.7	1518.8	1346.1	1303.0	1412.9	1410.3	1387.4
47.5°	1252.0	1402.1	1679.9	1853.9	1692.3	1379.8	1297.5	1539.0	1560.3	1525.6
50°	1233.4	1464.4	1877.3	2134.6	1905.1	1415.5	1289.1	1678.9	1714.1	1687.3
52.5°	1252.3	1533.8	2110.7	2424.7	2172.2	1472.5	1345.9	1858.4	1852.0	1819.7
55°	1312.2	1615.8	2394.2	2789.2	2465.5	1569.0	1491.7	2029.4	1965.3	1926.7
57.5°	1309.3	1674.4	2642.8	3077.5	2720.6	1648.1	1542.5	2047.6	1918.0	1869.1
60°	1188.4	1647.6	2737.5	3259.9	2797.6	1604.5	1375.6	1828.9	1618.4	1567.2
62.5°	887.0	1462.0	2554.0	3031.6	2579.8	1385.8	1034.4	1312.8	1162.9	1076.5
65°	567.4	1143.8	2147.2	2456.0	2126.4	1059.9	616.0	703.8	551.4	526.7
67.5°	241.5	807.4	1669.1	1641.5	1590.8	686.7	237.8	198.2	147.7	145.1
70°	79.9	549.3	1028.9	1094.9	950.1	473.1	78.6	66.5	66.2	63.9
72.5°	52.3	294.9	579.2	644.9	611.3	272.3	47.6	44.4	45.5	44.4
75°	31.3	64.1	97.5	126.7	97.5	45.7	28.6	28.1	28.6	27.3
77.5°	18.4	17.9	17.3	17.3	17.1	15.8	14.5	13.9	14.2	14.5
80°	11.8	11.3	10.8	10.5	9.2	8.7	8.1	7.6	7.6	7.9
82.5°	7.6	7.1	6.6	5.8	4.7	3.9	3.7	3.2	3.2	3.4
85°	3.9	3.2	2.4	1.8	1.1	0.5	0.0	0.0	0.0	0.0
87.5°	0.8	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

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