

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: P643270

Luminaire Tested: GWS-SA6E-750-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-750-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

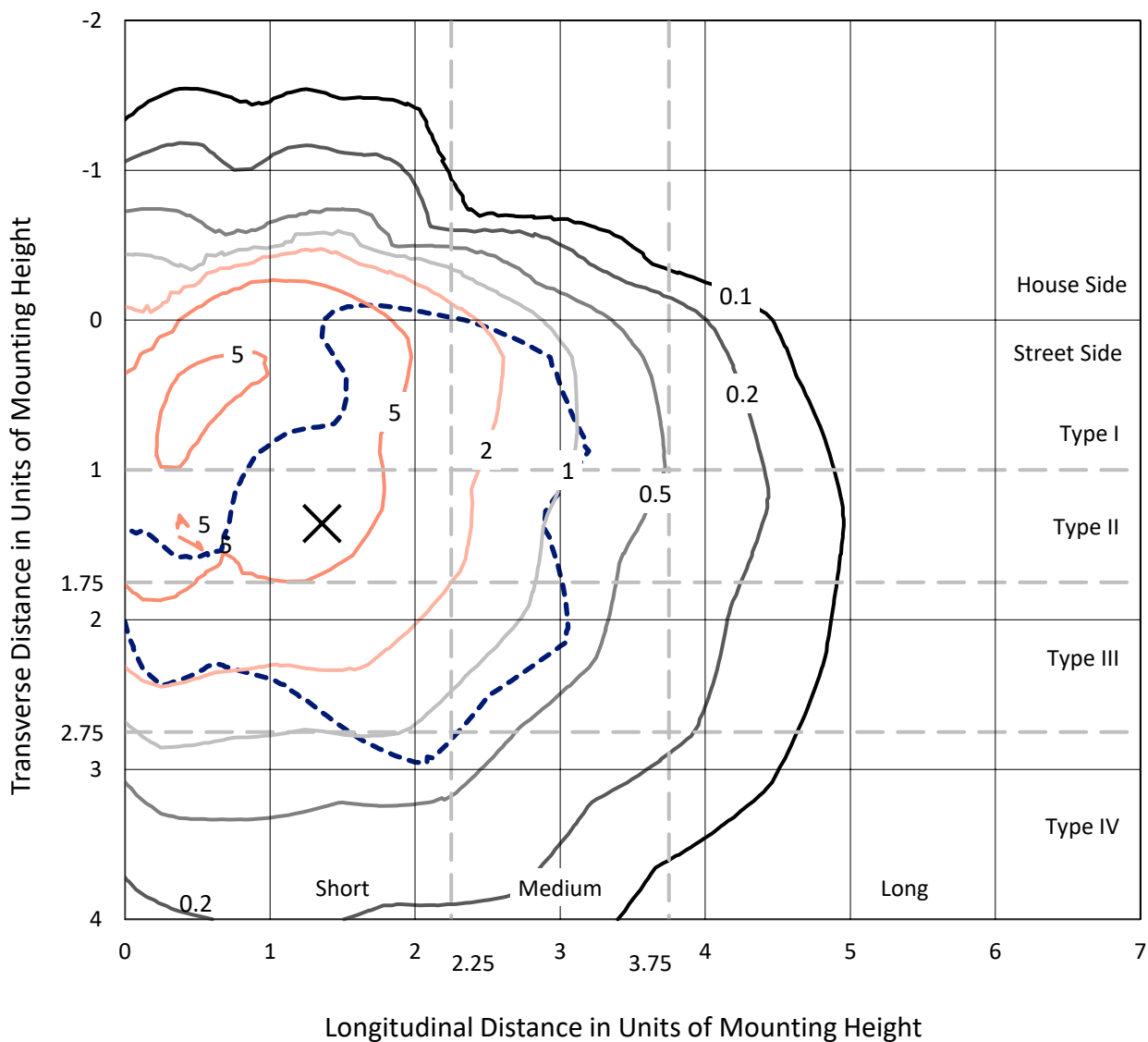
Lumens per Lamp: N/A  
Luminaire Lumens: 28417.3 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

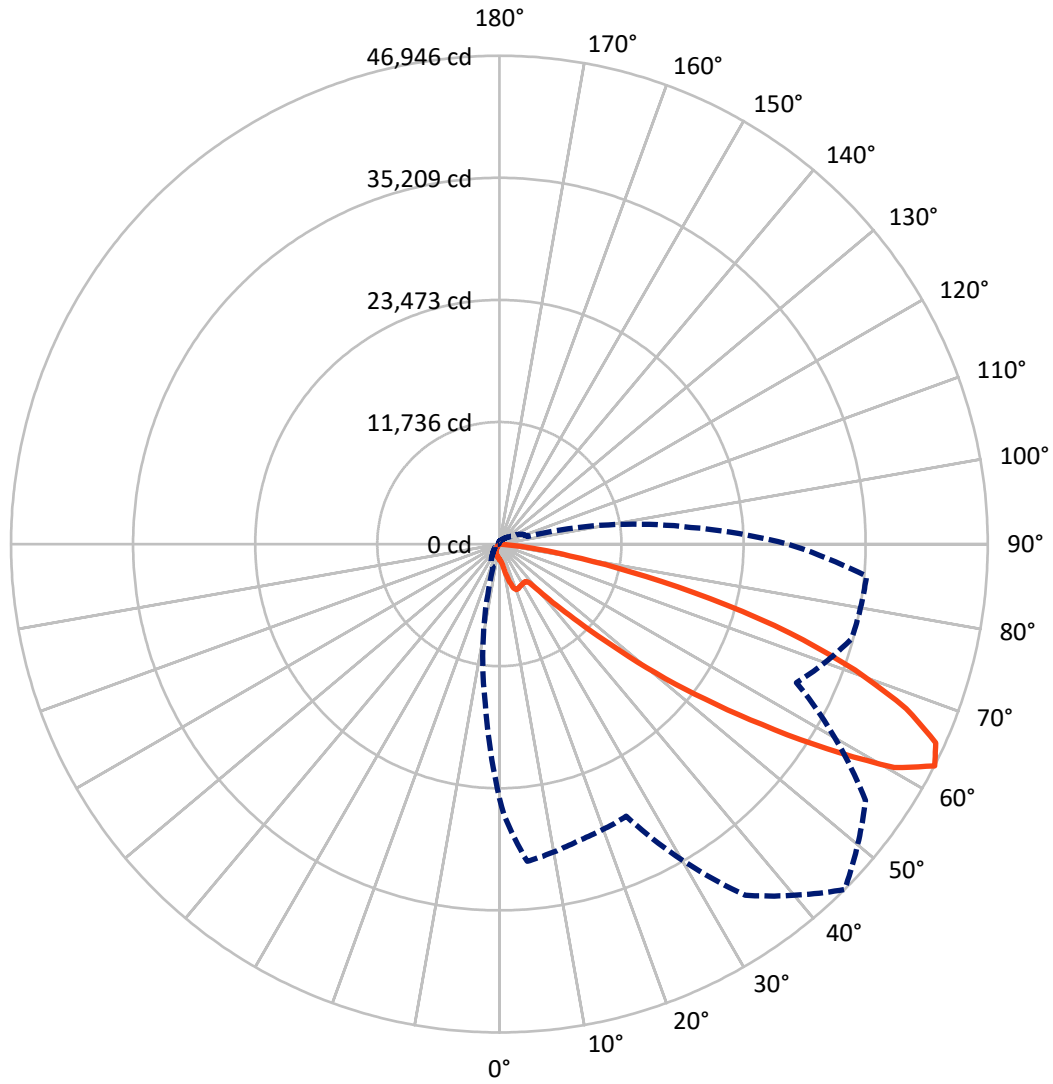
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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

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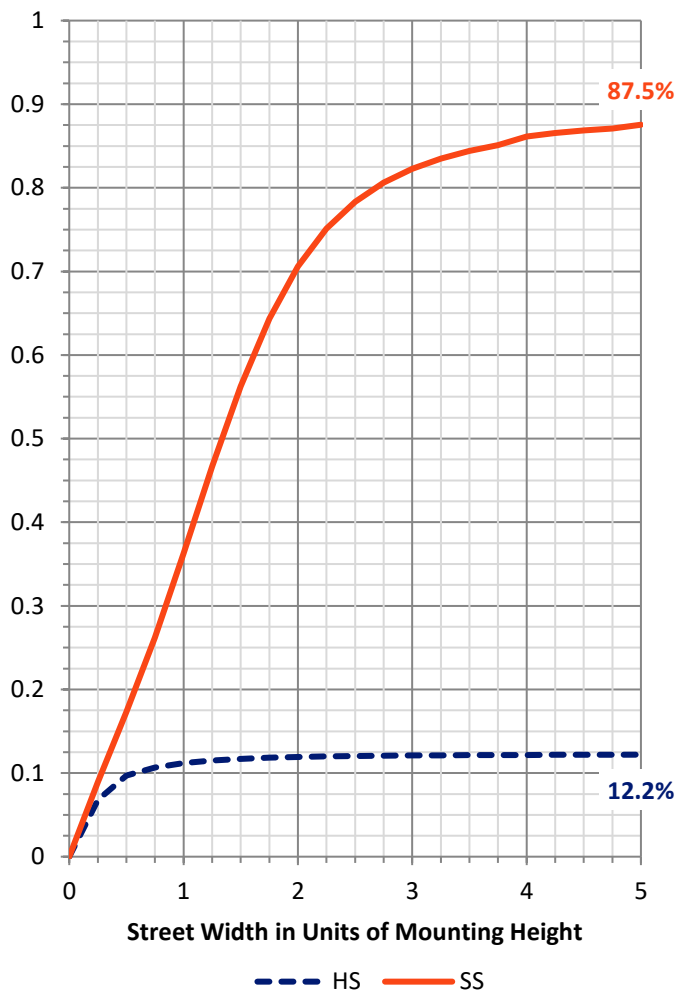
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3506.7	0.0	3506.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	24910.6	0.0	24910.6
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	28417.3	0.0	28417.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.0	0.5
10°-20°	495.4	1.7
20°-30°	1077.0	3.8
30°-40°	1767.7	6.2
40°-50°	3249.7	11.4
50°-60°	6978.9	24.6
60°-70°	9373.7	33.0
70°-80°	4881.0	17.2
80°-90°	462.8	1.6
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°	28417.3	100.0
0°-180°	28417.3	100.0

**Coefficient of Utilization**



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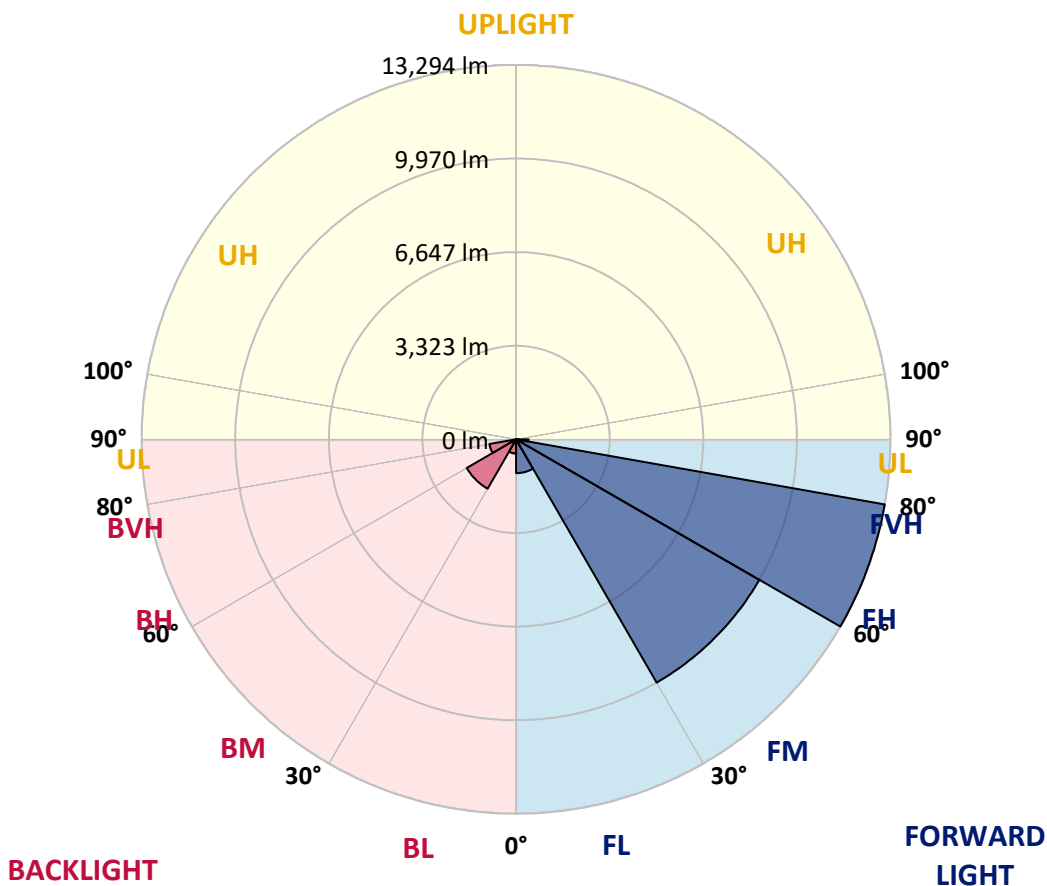
CATALOG NUMBER: GWS-SA6E-750-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.5	4.2			
FM (30°-60°)	9974.1	35.1			
FH (60°-80°)	13293.8	46.8			G5
FVH (80°-90°)	442.2	1.6			G3/500
BL (0°-30°)	503.0	1.8	B2/1000		
BM (30°-60°)	2022.2	7.1	B2/2500		
BH (60°-80°)	960.9	3.4	B2/1000		G2/1000
BVH (80°-90°)	20.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1
2.5°	1506.6	1513.2	1519.8	1542.8	1559.2	1572.3	1575.6	1565.7	1542.8	1519.8	1487.0
5°	1460.7	1467.3	1490.2	1552.6	1615.0	1664.2	1680.6	1670.8	1615.0	1542.8	1467.3
7.5°	1457.4	1470.5	1526.3	1657.6	1792.2	1894.0	1920.2	1897.3	1792.2	1647.8	1493.5
10°	1575.6	1598.6	1680.6	1917.0	2163.1	2343.7	2415.9	2317.4	2150.0	1887.4	1634.7
12.5°	1884.1	1923.5	2081.1	2425.7	2806.5	3046.1	3144.6	3023.1	2760.5	2379.8	1979.3
15°	2369.9	2429.0	2665.4	3180.7	3630.4	3843.8	3876.6	3807.6	3502.4	3082.2	2543.9
17.5°	3056.0	3141.3	3508.9	4034.1	4359.1	4434.6	4424.7	4352.5	4129.3	3840.5	3331.7
20°	3876.6	3978.3	4339.4	4772.7	4805.5	4716.9	4667.7	4625.0	4549.5	4500.2	4103.1
22.5°	4703.8	4828.5	5206.0	5314.3	5018.9	4762.8	4641.4	4674.2	4785.8	5028.7	4867.9
25°	5527.7	5645.8	6000.3	5708.2	5117.3	4690.6	4536.4	4615.1	4881.0	5406.2	5613.0
27.5°	6489.4	6578.0	6788.1	5977.4	5133.8	4631.5	4480.6	4602.0	4927.0	5642.5	6430.3
30°	7490.6	7543.1	7441.3	6049.6	5078.0	4542.9	4424.7	4602.0	5005.7	5800.1	7044.1
32.5°	8225.8	8235.7	7904.2	6056.1	5048.4	4470.7	4372.2	4582.3	5081.2	5931.4	7638.3
35°	8984.1	8934.8	8347.3	6154.6	5127.2	4497.0	4411.6	4638.1	5199.4	6085.7	8160.2
37.5°	9752.2	9663.5	8842.9	6315.4	5330.7	4782.5	4730.0	4923.7	5389.8	6299.0	8734.6
40°	10540.0	10418.5	9358.3	6558.3	5783.7	5754.1	5934.7	5911.7	5911.7	6571.5	9325.5
42.5°	11501.7	11360.6	10119.8	7244.4	6840.6	7500.4	7992.8	7687.5	7122.9	7198.4	10093.5
45°	12772.0	12650.6	11439.4	8557.4	8498.3	10014.8	10677.8	10073.9	8669.0	8646.0	11377.0
47.5°	14803.9	14780.9	13543.4	10080.4	10526.8	13215.2	14495.3	13333.3	10431.6	10178.9	13806.0
50°	17659.6	17590.7	16166.1	11866.1	12939.4	17180.4	19465.0	17528.3	12562.0	11967.8	17058.9
52.5°	20876.4	20948.6	19839.2	13815.9	15503.0	21592.0	24772.7	22333.8	14876.1	14242.6	21152.1
55°	23906.1	24319.7	24027.6	16097.2	18007.5	26463.2	30602.3	27605.4	17741.7	17219.8	25741.0
57.5°	26276.1	27441.3	29489.6	19412.4	20951.9	32161.5	37111.4	33320.2	21086.5	22054.8	31987.5
60°	26407.4	27950.1	32706.4	26348.3	24739.9	37049.1	43610.7	38903.7	26345.0	30264.2	36881.7
62.5°	24428.0	26082.4	30612.2	29499.4	28865.9	41207.9	46945.7	42973.9	31518.1	35073.0	35430.8
65°	22163.1	23833.9	28275.1	25924.8	28386.7	41030.7	46098.8	43069.1	31987.5	31803.7	32834.4
67.5°	18739.5	20239.6	24260.6	22947.6	26164.4	39051.4	42186.1	40354.5	29469.9	29745.6	30205.2
70°	13678.0	15122.3	18854.4	18920.1	22849.2	35483.3	36248.2	35995.4	27139.3	27431.5	26118.5
72.5°	9880.2	11098.0	14318.1	15516.2	18240.6	29755.5	29227.0	30201.9	23285.7	24431.3	20978.2
75°	7103.2	8015.8	10503.9	13497.5	14459.2	22097.5	20922.4	23390.8	18683.7	21037.3	15772.2
77.5°	2882.0	3203.7	4132.6	9092.4	9502.7	14866.2	12808.1	16990.0	13320.2	13822.4	7644.8
80°	118.2	131.3	170.7	4693.9	6515.7	8363.7	6853.8	9082.6	8797.0	5567.0	1805.4
82.5°	13.1	13.1	29.5	1352.4	2852.5	4615.1	3229.9	5232.2	4454.3	2360.1	820.6
85°	3.3	3.3	6.6	154.3	669.6	738.6	436.6	1605.1	2071.2	965.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	29.5	32.8	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1
2.5°	1487.0	1470.5	1450.8	1431.2	1421.3	1395.0	1385.2	1378.6	1372.1	1375.3	1375.3
5°	1437.7	1401.6	1358.9	1316.3	1293.3	1267.0	1253.9	1247.3	1250.6	1263.7	1263.7
7.5°	1431.2	1362.2	1270.3	1214.5	1188.2	1168.6	1155.4	1148.9	1152.1	1168.6	1175.1
10°	1539.5	1418.0	1253.9	1158.7	1129.2	1109.5	1096.3	1086.5	1079.9	1093.1	1096.3
12.5°	1772.5	1605.1	1332.7	1152.1	1099.6	1073.4	1063.5	1043.8	1034.0	1040.5	1043.8
15°	2255.0	1966.2	1490.2	1178.4	1073.4	1043.8	1027.4	1011.0	994.6	991.3	994.6
17.5°	2885.3	2471.7	1729.9	1240.8	1053.7	1017.6	994.6	971.6	948.6	945.3	942.1
20°	3666.5	3092.1	2064.7	1339.2	1037.3	994.6	961.8	928.9	899.4	889.5	889.5
22.5°	4378.8	3840.5	2494.7	1460.7	1014.3	961.8	922.4	883.0	850.2	833.7	830.5
25°	5248.6	4634.8	3010.0	1601.8	981.5	919.1	876.4	837.0	804.2	784.5	777.9
27.5°	6125.1	5471.9	3594.3	1785.7	942.1	876.4	837.0	800.9	764.8	741.8	735.3
30°	6975.2	6374.5	4250.8	2015.4	912.5	833.7	800.9	764.8	732.0	695.9	686.0
32.5°	7887.7	7296.9	4986.0	2271.5	889.5	804.2	768.1	735.3	692.6	659.8	643.4
35°	8767.4	8248.8	5796.8	2520.9	866.6	777.9	738.6	705.7	659.8	623.7	600.7
37.5°	9653.7	9217.1	6643.7	2671.9	833.7	741.8	705.7	679.5	626.9	584.3	558.0
40°	10592.5	10218.3	7559.5	2609.6	804.2	702.4	682.8	653.2	594.1	544.9	512.1
42.5°	11623.2	11173.5	8491.7	2369.9	777.9	669.6	649.9	620.4	564.6	505.5	462.8
45°	12919.7	12220.6	9256.5	2008.9	791.1	636.8	597.4	590.8	538.3	462.8	410.3
47.5°	15148.5	13829.0	9850.6	1775.8	879.7	600.7	554.7	571.1	515.3	420.2	361.1
50°	18559.0	16494.3	10405.4	1759.4	1014.3	584.3	515.3	558.0	492.4	377.5	318.4
52.5°	21808.6	19202.4	10759.9	1903.8	1132.4	626.9	476.0	541.6	476.0	347.9	288.9
55°	24917.1	20764.8	10126.4	2008.9	1244.1	755.0	446.4	515.3	456.3	331.5	279.0
57.5°	28268.5	21460.7	7973.1	2222.2	1322.8	863.3	453.0	476.0	430.0	321.7	275.7
60°	29269.7	20571.1	4812.1	2501.2	1280.2	896.1	502.2	423.4	393.9	302.0	265.9
62.5°	27713.8	18460.5	2839.3	2278.0	1244.1	846.9	574.4	390.6	357.8	275.7	246.2
65°	25386.5	15594.9	1851.3	1923.5	1319.5	755.0	610.5	374.2	325.0	249.5	216.6
67.5°	22727.7	12562.0	1296.6	1135.7	1217.8	679.5	515.3	370.9	292.1	210.1	177.3
70°	19143.3	9407.5	912.5	751.7	1014.3	604.0	400.5	361.1	256.0	170.7	137.9
72.5°	14790.7	5888.7	679.5	485.8	722.1	492.4	318.4	305.3	206.8	141.1	105.0
75°	10907.6	3358.0	479.2	351.2	476.0	374.2	236.3	216.6	177.3	134.6	95.2
77.5°	5695.1	1680.6	298.7	269.2	272.4	233.1	170.7	157.6	164.1	134.6	88.6
80°	1093.1	334.8	180.5	196.9	147.7	147.7	124.7	131.3	144.4	108.3	75.5
82.5°	456.3	72.2	98.5	111.6	91.9	101.8	101.8	105.0	101.8	78.8	55.8
85°	0.0	0.0	42.7	46.0	62.4	62.4	52.5	52.5	52.5	46.0	32.8
87.5°	0.0	0.0	0.0	0.0	3.3	9.8	19.7	23.0	26.3	19.7	13.1
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°	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1
2.5°	1372.1	1365.5	1375.3	1381.9	1388.5	1388.5	1381.9	1375.3	1365.5	1375.3	1365.5
5°	1267.0	1276.9	1293.3	1299.9	1306.4	1293.3	1286.7	1267.0	1250.6	1253.9	1247.3
7.5°	1185.0	1194.8	1214.5	1227.6	1227.6	1221.1	1201.4	1181.7	1155.4	1155.4	1152.1
10°	1109.5	1122.6	1145.6	1162.0	1168.6	1162.0	1142.3	1116.0	1093.1	1093.1	1083.2
12.5°	1047.1	1063.5	1089.8	1112.8	1119.3	1112.8	1093.1	1066.8	1040.5	1040.5	1034.0
15°	994.6	1014.3	1043.8	1070.1	1079.9	1070.1	1047.1	1014.3	988.0	991.3	981.5
17.5°	945.3	961.8	1001.1	1030.7	1040.5	1030.7	1001.1	958.5	932.2	938.8	932.2
20°	889.5	909.2	948.6	981.5	991.3	981.5	948.6	902.7	876.4	876.4	879.7
22.5°	830.5	850.2	889.5	912.5	925.7	915.8	883.0	840.3	814.0	814.0	817.3
25°	777.9	787.8	817.3	840.3	843.6	833.7	807.5	774.7	755.0	764.8	768.1
27.5°	728.7	728.7	741.8	755.0	751.7	741.8	732.0	705.7	702.4	712.3	722.1
30°	676.2	659.8	653.2	643.4	640.1	636.8	646.6	646.6	653.2	666.3	676.2
32.5°	630.2	597.4	567.9	538.3	521.9	535.0	561.3	584.3	607.3	626.9	636.8
35°	577.7	525.2	476.0	436.6	410.3	430.0	472.7	515.3	554.7	581.0	597.4
37.5°	525.2	449.7	390.6	341.4	321.7	338.1	384.0	443.1	502.2	535.0	558.0
40°	469.4	374.2	305.3	265.9	246.2	262.6	308.6	367.6	446.4	489.1	518.6
42.5°	413.6	308.6	246.2	206.8	196.9	206.8	242.9	302.0	387.3	439.8	479.2
45°	357.8	256.0	196.9	167.4	157.6	167.4	196.9	246.2	331.5	390.6	436.6
47.5°	308.6	216.6	164.1	137.9	131.3	141.1	164.1	206.8	279.0	338.1	390.6
50°	269.2	190.4	141.1	118.2	111.6	121.5	141.1	174.0	236.3	288.9	344.7
52.5°	242.9	177.3	124.7	101.8	98.5	105.0	121.5	147.7	200.2	246.2	298.7
55°	236.3	177.3	114.9	91.9	88.6	95.2	108.3	128.0	174.0	213.4	259.3
57.5°	242.9	190.4	108.3	78.8	75.5	82.1	95.2	111.6	151.0	183.8	226.5
60°	242.9	193.7	95.2	62.4	59.1	65.6	78.8	98.5	134.6	160.8	196.9
62.5°	219.9	177.3	78.8	49.2	42.7	49.2	65.6	82.1	118.2	144.4	174.0
65°	190.4	151.0	65.6	36.1	29.5	36.1	52.5	68.9	101.8	124.7	157.6
67.5°	154.3	114.9	49.2	26.3	19.7	26.3	39.4	55.8	85.3	108.3	141.1
70°	114.9	82.1	39.4	23.0	19.7	23.0	36.1	52.5	75.5	98.5	131.3
72.5°	85.3	55.8	32.8	23.0	16.4	23.0	32.8	49.2	72.2	95.2	124.7
75°	72.2	46.0	29.5	19.7	16.4	19.7	29.5	46.0	65.6	88.6	118.2
77.5°	68.9	42.7	26.3	16.4	13.1	16.4	26.3	39.4	59.1	82.1	114.9
80°	59.1	36.1	23.0	13.1	9.8	13.1	23.0	32.8	46.0	62.4	88.6
82.5°	46.0	29.5	16.4	6.6	3.3	6.6	16.4	19.7	29.5	36.1	52.5
85°	29.5	16.4	6.6	0.0	0.0	0.0	6.6	13.1	13.1	16.4	26.3
87.5°	13.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.6	9.8
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: P643270

CATALOG NUMBER: GWS-SA6E-750-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1	1477.1
2.5°	1385.2	1388.5	1395.0	1404.9	1427.9	1447.6	1467.3	1493.5	1506.6	1506.6
5°	1253.9	1257.2	1260.5	1273.6	1306.4	1332.7	1375.3	1427.9	1454.1	1460.7
7.5°	1152.1	1158.7	1165.3	1175.1	1207.9	1244.1	1299.9	1398.3	1447.6	1457.4
10°	1093.1	1102.9	1116.0	1135.7	1165.3	1204.7	1299.9	1477.1	1559.2	1575.6
12.5°	1047.1	1063.5	1076.6	1099.6	1135.7	1198.1	1388.5	1700.3	1844.7	1884.1
15°	1001.1	1020.8	1040.5	1063.5	1102.9	1221.1	1559.2	2100.8	2340.4	2369.9
17.5°	955.2	978.2	1004.4	1030.7	1079.9	1276.9	1828.3	2655.5	2990.3	3056.0
20°	902.7	932.2	968.3	1001.1	1057.0	1365.5	2202.5	3315.3	3735.4	3876.6
22.5°	846.9	883.0	925.7	968.3	1030.7	1473.8	2655.5	4024.3	4611.8	4703.8
25°	800.9	837.0	876.4	919.1	988.0	1605.1	3203.7	4904.0	5439.0	5527.7
27.5°	758.2	794.4	830.5	869.9	945.3	1775.8	3863.4	5839.5	6397.5	6489.4
30°	712.3	755.0	791.1	830.5	906.0	1985.9	4625.0	6876.7	7405.2	7490.6
32.5°	672.9	715.6	751.7	791.1	876.4	2215.7	5425.9	7795.8	8225.8	8225.8
35°	640.1	686.0	712.3	764.8	853.4	2363.4	6184.1	8672.2	8997.2	8984.1
37.5°	604.0	659.8	679.5	715.6	823.9	2379.8	6896.4	9597.9	9837.5	9752.2
40°	567.9	626.9	656.5	676.2	791.1	2245.2	7677.7	10448.1	10651.6	10540.0
42.5°	535.0	581.0	623.7	646.6	771.4	2008.9	8304.6	11357.3	11600.2	11501.7
45°	502.2	541.6	567.9	610.5	784.5	1844.7	8842.9	12417.5	12844.2	12772.0
47.5°	469.4	502.2	518.6	584.3	873.1	1769.2	9171.2	14058.8	14863.0	14803.9
50°	433.3	472.7	472.7	577.7	1004.4	1795.5	9456.8	16435.3	17679.3	17659.6
52.5°	397.2	439.8	433.3	626.9	1106.2	1917.0	9781.7	18532.7	20695.9	20876.4
55°	361.1	400.5	407.0	725.4	1165.3	2022.0	8524.5	19415.7	23272.6	23906.1
57.5°	321.7	344.7	423.4	800.9	1145.6	2327.3	5839.5	19576.6	24917.1	26276.1
60°	279.0	298.7	479.2	784.5	1083.2	2150.0	3676.3	18132.3	24684.1	26407.4
62.5°	242.9	275.7	505.5	692.6	1102.9	1864.4	2343.7	15453.8	22461.8	24428.0
65°	213.4	265.9	459.5	626.9	1116.0	1263.7	1582.1	12571.8	20292.1	22163.1
67.5°	190.4	295.4	377.5	558.0	958.5	889.5	1086.5	9768.6	17062.2	18739.5
70°	174.0	302.0	308.6	479.2	741.8	571.1	715.6	6574.8	11761.0	13678.0
72.5°	157.6	223.2	233.1	384.0	479.2	347.9	462.8	3761.7	8573.8	9880.2
75°	151.0	151.0	160.8	249.5	265.9	252.7	298.7	2245.2	6148.0	7103.2
77.5°	141.1	114.9	101.8	160.8	144.4	180.5	177.3	997.9	2665.4	2882.0
80°	111.6	82.1	68.9	101.8	98.5	121.5	105.0	82.1	121.5	118.2
82.5°	68.9	52.5	49.2	62.4	55.8	62.4	49.2	13.1	13.1	13.1
85°	32.8	29.5	26.3	26.3	29.5	26.3	19.7	6.6	3.3	3.3
87.5°	16.4	16.4	13.1	9.8	13.1	13.1	9.8	3.3	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

(END OF REPORT)