

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: P638318

Luminaire Tested: GWS-SA4E-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4E-750-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

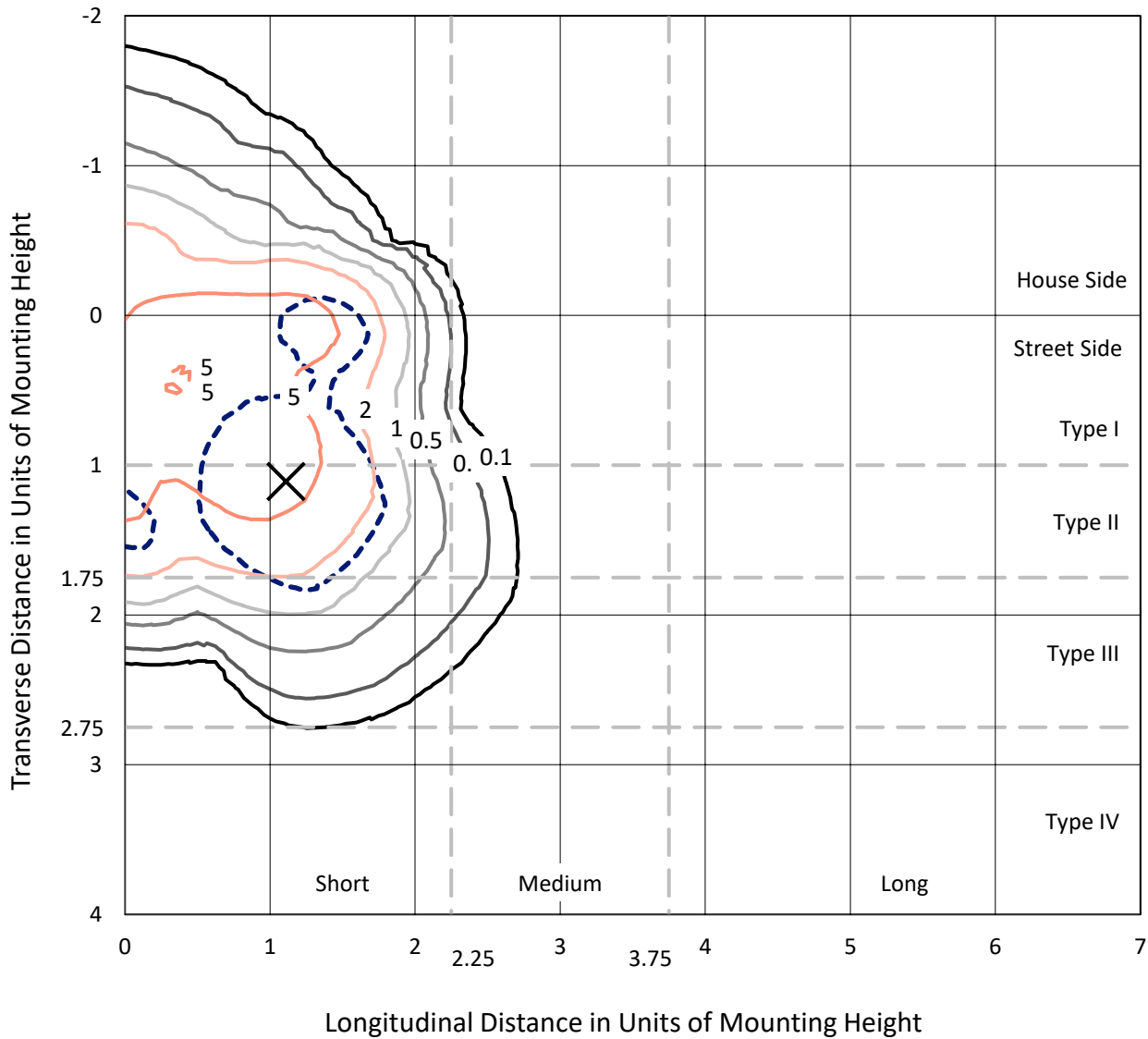
Lumens per Lamp: N/A  
Luminaire Lumens: 16700.5 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P638318  
 CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

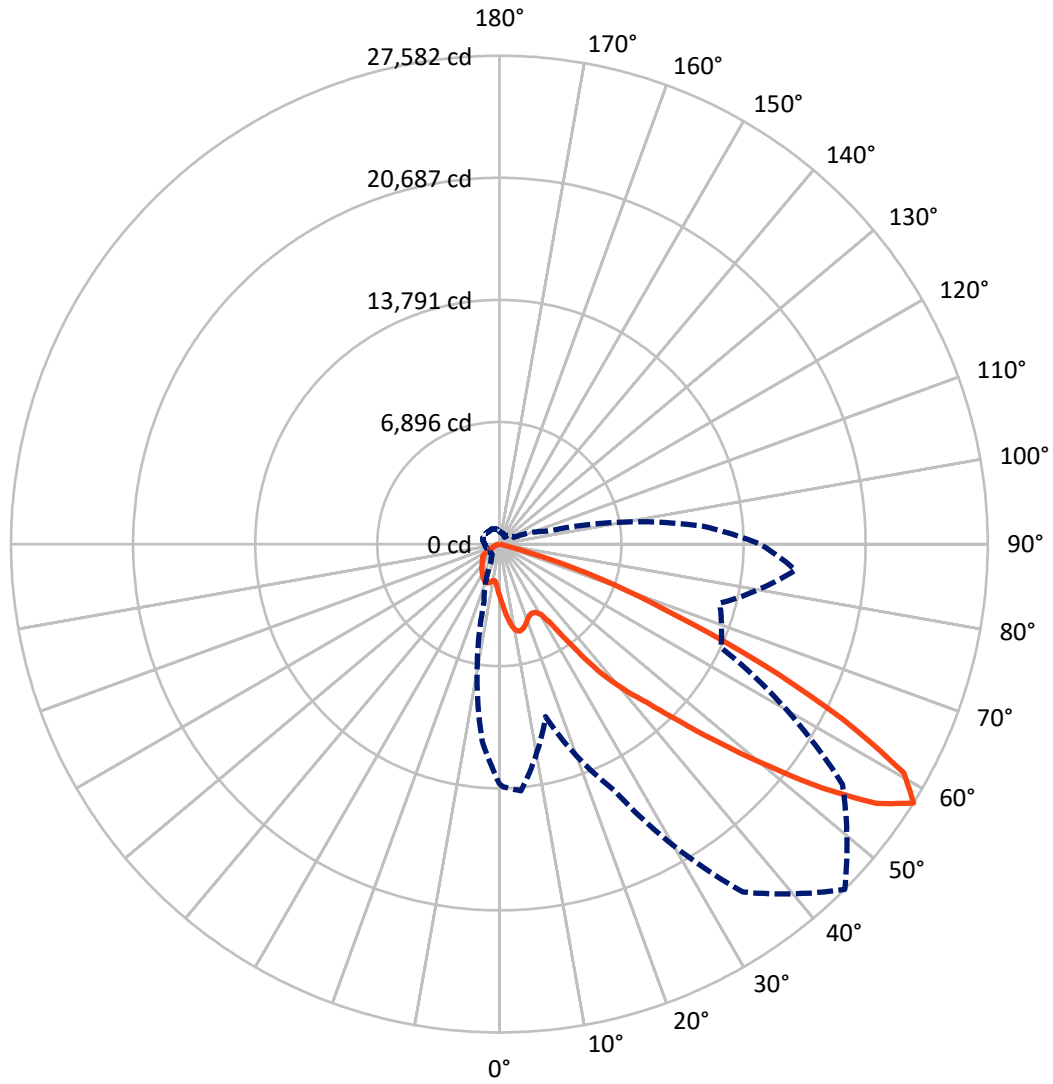
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P638318  
CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P638318  
 CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3739.7	0.0	3739.7
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	12960.8	0.0	12960.8
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	16700.5	0.0	16700.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.8	1.7
10°-20°	934.1	5.6
20°-30°	1517.5	9.1
30°-40°	2344.7	14.0
40°-50°	3759.7	22.5
50°-60°	5138.5	30.8
60°-70°	2488.7	14.9
70°-80°	227.9	1.4
80°-90°	0.7	0.0
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°	16700.5	100.0
0°-180°	16700.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P638318

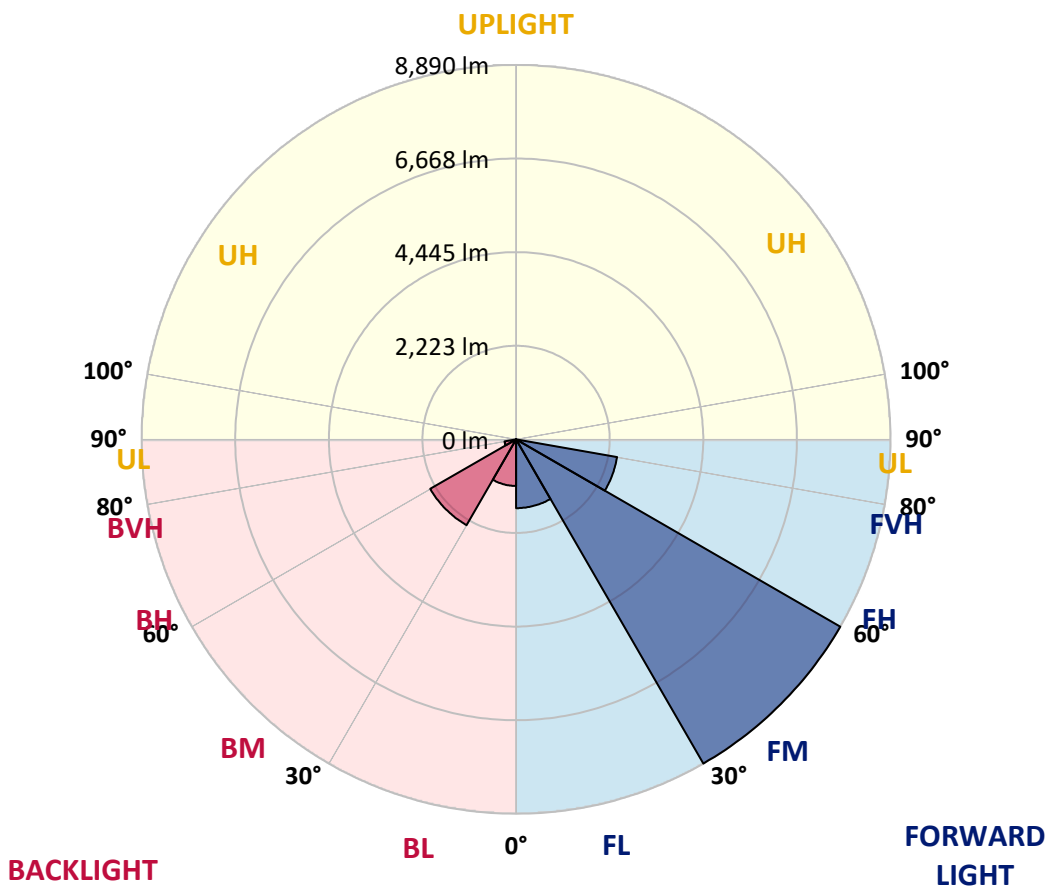
CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1633.8	9.8			
FM (30°-60°)	8890.0	53.2			
FH (60°-80°)	2436.3	14.6			G2/5000
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1106.5	6.6	B3/2500		
BM (30°-60°)	2352.8	14.1	B2/2500		
BH (60°-80°)	280.3	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





REPORT NUMBER: P638318

CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3
2.5°	3179.9	3200.1	3233.8	3305.6	3366.2	3406.6	3424.5	3420.0	3395.3	3377.4	3341.5
5°	3521.0	3521.0	3586.1	3749.9	3875.6	3954.1	3994.5	3969.8	3920.5	3841.9	3720.7
7.5°	3819.5	3830.7	3940.7	4174.0	4364.8	4477.0	4542.1	4528.6	4441.1	4290.7	4048.4
10°	4052.9	4066.3	4212.2	4497.2	4721.6	4836.1	4932.5	4941.5	4845.0	4645.3	4367.0
12.5°	4279.5	4293.0	4445.6	4719.4	4916.8	4964.0	5049.2	5082.9	5058.2	4916.8	4627.3
15°	4524.1	4555.5	4685.7	4889.9	4972.9	4916.8	4972.9	5033.5	5116.6	5103.1	4842.8
17.5°	4764.2	4786.7	4919.1	4990.9	4898.9	4753.0	4779.9	4851.8	5040.3	5224.3	5056.0
20°	4986.4	5017.8	5127.8	5033.5	4755.3	4528.6	4530.9	4625.1	4912.4	5298.3	5273.7
22.5°	5219.8	5266.9	5345.5	5080.7	4622.9	4351.3	4362.5	4447.8	4811.4	5367.9	5520.5
25°	5525.0	5569.9	5621.5	5197.4	4580.2	4263.8	4306.4	4385.0	4811.4	5486.8	5825.7
27.5°	5937.9	5969.3	5971.6	5415.0	4654.3	4277.3	4367.0	4456.8	4955.0	5724.7	6234.1
30°	6456.3	6505.7	6440.6	5753.9	4885.4	4456.8	4589.2	4701.4	5264.7	6126.4	6835.6
32.5°	7086.9	7156.5	7068.9	6256.6	5367.9	5076.2	5316.3	5381.4	5758.4	6707.6	7517.8
35°	7827.4	7885.8	7791.5	6952.2	6494.4	6548.3	6983.7	6900.6	6750.3	7423.5	8314.4
37.5°	8639.8	8693.7	8511.9	8007.0	8159.6	8393.0	9088.6	8803.6	8318.9	8345.8	9178.4
40°	9384.9	9443.2	9158.2	9153.7	9467.9	9894.3	10733.6	10340.8	9681.1	9553.2	9988.5
42.5°	10156.8	10197.2	9939.2	9764.1	10477.7	11355.2	12243.8	11714.2	10583.2	10444.1	11002.9
45°	11258.7	11344.0	10883.9	10064.8	11386.6	13036.0	14274.8	13240.2	11198.1	11085.9	12555.8
47.5°	12878.9	12941.8	12003.7	10253.3	12232.6	15129.8	16812.9	15219.5	11738.9	11483.1	14678.7
50°	14218.7	14261.3	13033.8	10459.8	13132.5	17387.3	19705.5	17566.9	12347.1	12140.6	16660.3
52.5°	15206.1	15367.6	14387.0	10883.9	14315.2	20042.1	22907.8	20347.3	13296.3	13410.8	18302.9
55°	15410.3	15630.2	15311.5	11144.2	15356.4	22746.3	25865.6	22836.0	14243.3	14373.5	18855.0
57.5°	13543.2	13718.2	13983.0	10094.0	15331.7	23985.0	27582.3	23661.9	13812.5	12890.2	16788.2
60°	10145.6	10266.8	10747.0	7715.2	14099.7	22889.9	26244.8	22257.1	12077.8	9835.9	12791.4
62.5°	6016.5	6070.3	6678.5	4997.6	11703.0	19712.2	21765.6	19205.1	9544.2	6615.6	7834.2
65°	2309.2	2286.7	2751.3	2466.3	8606.2	15702.0	16189.0	14640.6	6548.3	3031.8	2986.9
67.5°	356.8	341.1	460.0	729.3	6207.2	10881.7	10682.0	10551.8	4102.2	706.9	617.1
70°	80.8	80.8	98.7	215.4	3792.5	6393.5	6842.3	6523.6	2625.6	150.4	80.8
72.5°	38.1	38.1	47.1	92.0	1373.4	2634.6	3069.9	3022.8	852.8	49.4	29.2
75°	13.5	15.7	15.7	20.2	83.0	136.9	314.2	224.4	53.9	0.0	0.0
77.5°	4.5	4.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P638318

CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3
2.5°	3262.9	3247.2	3188.9	3110.3	3034.0	2966.7	2897.1	2814.1	2753.5	2684.0	2661.5
5°	3626.5	3527.7	3368.4	3202.3	3049.7	2919.6	2793.9	2659.3	2560.5	2461.8	2428.1
7.5°	3933.9	3788.1	3530.0	3280.9	3072.2	2888.2	2706.4	2522.4	2378.8	2262.1	2226.2
10°	4209.9	4041.6	3696.0	3388.6	3126.0	2912.9	2692.9	2461.8	2275.5	2136.4	2102.7
12.5°	4447.8	4252.6	3837.4	3469.4	3148.5	2903.9	2690.7	2506.7	2338.4	2179.0	2136.4
15°	4647.5	4432.1	3956.4	3523.2	3114.8	2791.7	2605.4	2576.2	2562.8	2387.7	2304.7
17.5°	4842.8	4600.4	4052.9	3547.9	3020.6	2594.2	2459.5	2591.9	2733.3	2618.9	2513.4
20°	5047.0	4771.0	4151.6	3552.4	2863.5	2372.0	2349.6	2558.3	2737.8	2701.9	2603.2
22.5°	5287.1	4984.2	4275.0	3550.2	2666.0	2183.5	2268.8	2493.2	2639.1	2636.8	2558.3
25°	5635.0	5253.5	4441.1	3563.6	2450.6	2037.6	2179.0	2383.2	2502.2	2497.7	2432.6
27.5°	6007.5	5574.4	4656.5	3597.3	2266.5	1952.4	2073.6	2232.9	2336.1	2331.6	2275.5
30°	6530.4	5944.6	4863.0	3599.5	2134.1	1907.5	1956.9	2066.8	2165.6	2154.3	2111.7
32.5°	7165.4	6362.0	5035.8	3471.6	2051.1	1864.9	1835.7	1891.8	1968.1	1952.4	1941.2
35°	7932.9	6858.0	5183.9	3191.1	1923.2	1779.6	1701.0	1712.3	1766.1	1775.1	1770.6
37.5°	8808.1	7448.2	5367.9	2820.8	1750.4	1656.2	1550.7	1541.7	1573.1	1602.3	1624.7
40°	9672.1	8112.4	5617.0	2446.1	1593.3	1499.1	1398.1	1375.6	1389.1	1440.7	1487.8
42.5°	10643.8	8882.2	5886.3	2125.2	1485.6	1326.3	1229.8	1187.1	1225.3	1308.3	1364.4
45°	12044.1	9961.6	6148.9	1869.3	1440.7	1173.7	1043.5	1039.0	1081.7	1189.4	1252.2
47.5°	14010.0	11357.4	6321.6	1669.6	1438.5	1054.7	899.9	926.8	976.2	1081.7	1153.5
50°	15926.4	13105.6	6130.9	1517.0	1391.3	976.2	792.2	846.0	895.4	987.4	1061.5
52.5°	17082.1	14045.9	5388.1	1373.4	1245.5	940.3	686.7	780.9	789.9	873.0	951.5
55°	16961.0	13437.7	4126.9	1151.2	1030.0	888.7	576.7	704.6	709.1	772.0	839.3
57.5°	14721.3	11537.0	2834.3	933.5	774.2	733.8	475.8	594.7	637.3	675.5	724.8
60°	10971.4	8417.6	1263.4	758.5	491.5	495.9	406.2	448.8	513.9	558.8	601.4
62.5°	6465.3	4842.8	513.9	455.6	271.5	311.9	327.6	327.6	368.0	401.7	428.6
65°	2443.8	1694.3	208.7	228.9	141.4	145.9	193.0	237.9	269.3	298.5	334.4
67.5°	428.6	296.2	107.7	85.3	83.0	74.1	98.7	154.8	172.8	195.2	210.9
70°	71.8	60.6	44.9	42.6	38.1	40.4	65.1	110.0	121.2	127.9	134.6
72.5°	20.2	18.0	13.5	11.2	9.0	11.2	40.4	85.3	89.8	94.3	101.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	15.7	60.6	65.1	67.3	74.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	18.0	22.4	18.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0





REPORT NUMBER: P638318

CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3
2.5°	2648.0	2603.2	2578.5	2565.0	2565.0	2547.1	2526.9	2520.1	2549.3	2549.3	2598.7
5°	2385.5	2349.6	2309.2	2284.5	2246.4	2253.1	2230.6	2228.4	2257.6	2271.0	2322.7
7.5°	2203.7	2158.8	2134.1	2118.4	2098.2	2089.3	2069.1	2062.3	2078.0	2100.5	2149.9
10°	2082.5	2075.8	2073.6	2084.8	2084.8	2073.6	2055.6	2044.4	2048.9	2091.5	2147.6
12.5°	2113.9	2127.4	2131.9	2149.9	2158.8	2149.9	2136.4	2140.9	2170.1	2248.6	2331.6
15°	2250.8	2239.6	2235.1	2244.1	2250.8	2241.9	2237.4	2271.0	2372.0	2484.2	2578.5
17.5°	2396.7	2324.9	2293.5	2293.5	2298.0	2293.5	2298.0	2363.0	2526.9	2639.1	2708.6
20°	2470.8	2338.4	2289.0	2277.8	2286.7	2289.0	2304.7	2378.8	2558.3	2636.8	2652.5
22.5°	2448.3	2282.3	2226.2	2217.2	2226.2	2235.1	2250.8	2313.7	2482.0	2522.4	2515.6
25°	2336.1	2172.3	2127.4	2127.4	2147.6	2145.4	2152.1	2197.0	2336.1	2360.8	2349.6
27.5°	2194.7	2039.9	2001.7	2024.2	2042.1	2037.6	2039.9	2078.0	2181.3	2188.0	2176.8
30°	2051.1	1916.5	1880.6	1907.5	1932.2	1927.7	1929.9	1968.1	2033.2	2026.4	2010.7
32.5°	1905.2	1806.5	1779.6	1795.3	1833.4	1828.9	1837.9	1878.3	1903.0	1873.8	1855.9
35°	1770.6	1719.0	1698.8	1707.8	1736.9	1743.7	1759.4	1786.3	1786.3	1750.4	1719.0
37.5°	1644.9	1638.2	1624.7	1613.5	1640.4	1660.6	1683.1	1714.5	1669.6	1618.0	1588.8
40°	1528.2	1557.4	1539.5	1510.3	1526.0	1555.2	1600.0	1624.7	1570.9	1519.3	1469.9
42.5°	1420.5	1469.9	1463.2	1427.3	1440.7	1467.6	1519.3	1539.5	1476.6	1418.3	1371.1
45°	1317.3	1386.9	1391.3	1346.5	1359.9	1386.9	1447.4	1454.2	1373.4	1310.6	1276.9
47.5°	1227.5	1303.8	1306.1	1272.4	1276.9	1315.0	1371.1	1373.4	1281.4	1223.0	1180.4
50°	1142.3	1229.8	1236.5	1207.3	1211.8	1256.7	1303.8	1294.8	1196.1	1135.5	1097.4
52.5°	1039.0	1158.0	1173.7	1160.2	1178.2	1214.1	1243.2	1211.8	1097.4	1036.8	1003.1
55°	926.8	1081.7	1115.3	1106.3	1126.5	1155.7	1162.4	1142.3	998.6	938.0	906.6
57.5°	796.7	890.9	949.3	931.3	947.0	976.2	996.4	980.7	873.0	825.8	798.9
60°	659.8	722.6	736.1	706.9	693.4	745.0	792.2	772.0	680.0	650.8	619.4
62.5°	482.5	554.3	563.3	525.1	509.4	565.5	605.9	585.7	484.7	453.3	428.6
65°	386.0	453.3	471.3	435.4	426.4	469.0	493.7	444.3	372.5	338.9	311.9
67.5°	253.6	307.4	354.6	352.3	334.4	347.8	329.9	289.5	237.9	219.9	202.0
70°	157.1	188.5	217.7	228.9	226.7	222.2	197.5	168.3	152.6	145.9	136.9
72.5°	121.2	152.6	175.0	181.8	184.0	177.3	157.1	130.2	114.4	105.5	98.7
75°	89.8	114.4	132.4	141.4	145.9	141.4	121.2	103.2	87.5	80.8	74.1
77.5°	31.4	38.1	47.1	51.6	49.4	47.1	42.6	42.6	33.7	31.4	26.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P638318  
 CATALOG NUMBER: GWS-SA4E-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3
2.5°	2654.8	2695.2	2769.2	2836.6	2908.4	2982.4	3063.2	3146.2	3184.4	3179.9
5°	2401.2	2488.7	2609.9	2742.3	2890.4	3049.7	3227.0	3408.8	3487.3	3521.0
7.5°	2241.9	2365.3	2524.6	2692.9	2888.2	3114.8	3381.9	3666.9	3781.3	3819.5
10°	2262.1	2405.7	2538.1	2701.9	2910.6	3204.6	3536.7	3875.6	4010.2	4052.9
12.5°	2425.9	2457.3	2493.2	2627.8	2890.4	3271.9	3678.1	4082.0	4236.9	4279.5
15°	2574.0	2428.1	2360.8	2484.2	2818.6	3319.0	3821.7	4304.2	4474.7	4524.1
17.5°	2580.7	2360.8	2210.4	2306.9	2701.9	3339.2	3963.1	4530.9	4717.1	4764.2
20°	2497.7	2286.7	2093.8	2096.0	2542.6	3334.7	4079.8	4735.1	4943.8	4986.4
22.5°	2376.5	2199.2	1999.5	1929.9	2372.0	3325.8	4207.7	4952.7	5179.4	5219.8
25°	2241.9	2087.0	1909.7	1804.3	2201.5	3334.7	4387.2	5237.7	5486.8	5525.0
27.5°	2096.0	1963.6	1840.2	1754.9	2057.8	3368.4	4602.7	5601.3	5897.5	5937.9
30°	1943.4	1844.7	1795.3	1743.7	1968.1	3377.4	4836.1	6025.4	6400.2	6456.3
32.5°	1793.0	1739.2	1741.4	1750.4	1882.8	3314.5	5049.2	6496.7	6997.1	7086.9
35°	1653.9	1638.2	1683.1	1728.0	1759.4	3153.0	5235.5	7053.2	7735.4	7827.4
37.5°	1535.0	1548.4	1604.5	1649.4	1624.7	2924.1	5482.4	7748.9	8561.3	8639.8
40°	1420.5	1454.2	1519.3	1539.5	1521.5	2657.0	5778.6	8419.9	9277.1	9384.9
42.5°	1315.0	1339.7	1431.7	1436.2	1492.3	2385.5	6063.6	9142.5	10100.7	10156.8
45°	1229.8	1225.3	1319.5	1348.7	1530.5	2084.8	6341.8	10105.2	11177.9	11258.7
47.5°	1146.7	1142.3	1164.7	1297.1	1546.2	1806.5	6617.9	11514.5	12739.8	12878.9
50°	1068.2	1074.9	1005.4	1272.4	1460.9	1593.3	6743.5	12818.3	14160.3	14218.7
52.5°	998.6	973.9	852.8	1191.6	1279.1	1391.3	6386.7	13410.8	15040.0	15206.1
55°	899.9	763.0	702.4	967.2	1009.8	1214.1	5231.0	13067.4	15116.3	15410.3
57.5°	769.7	599.2	596.9	713.6	713.6	1126.5	3350.5	11164.4	13027.0	13543.2
60°	592.4	464.5	493.7	495.9	457.8	821.3	1880.6	8087.8	9631.7	10145.6
62.5°	421.9	354.6	372.5	296.2	262.6	410.7	902.1	4656.5	5944.6	6016.5
65°	282.8	240.1	195.2	163.8	161.6	175.0	372.5	1683.1	2046.6	2309.2
67.5°	186.3	145.9	103.2	103.2	116.7	116.7	141.4	278.3	390.5	356.8
70°	121.2	101.0	65.1	62.8	76.3	76.3	71.8	76.3	80.8	80.8
72.5°	89.8	76.3	38.1	33.7	42.6	44.9	40.4	38.1	38.1	38.1
75°	67.3	53.9	22.4	15.7	20.2	26.9	22.4	15.7	15.7	13.5
77.5°	26.9	20.2	9.0	6.7	11.2	15.7	13.5	6.7	4.5	4.5
80°	2.2	4.5	4.5	4.5	6.7	9.0	11.2	4.5	2.2	2.2
82.5°	0.0	2.2	2.2	2.2	4.5	6.7	9.0	4.5	2.2	2.2
85°	0.0	0.0	0.0	0.0	4.5	6.7	4.5	2.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.2	6.7	4.5	2.2	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)