

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: P643264

Luminaire Tested: GWS-SA6E-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24553.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

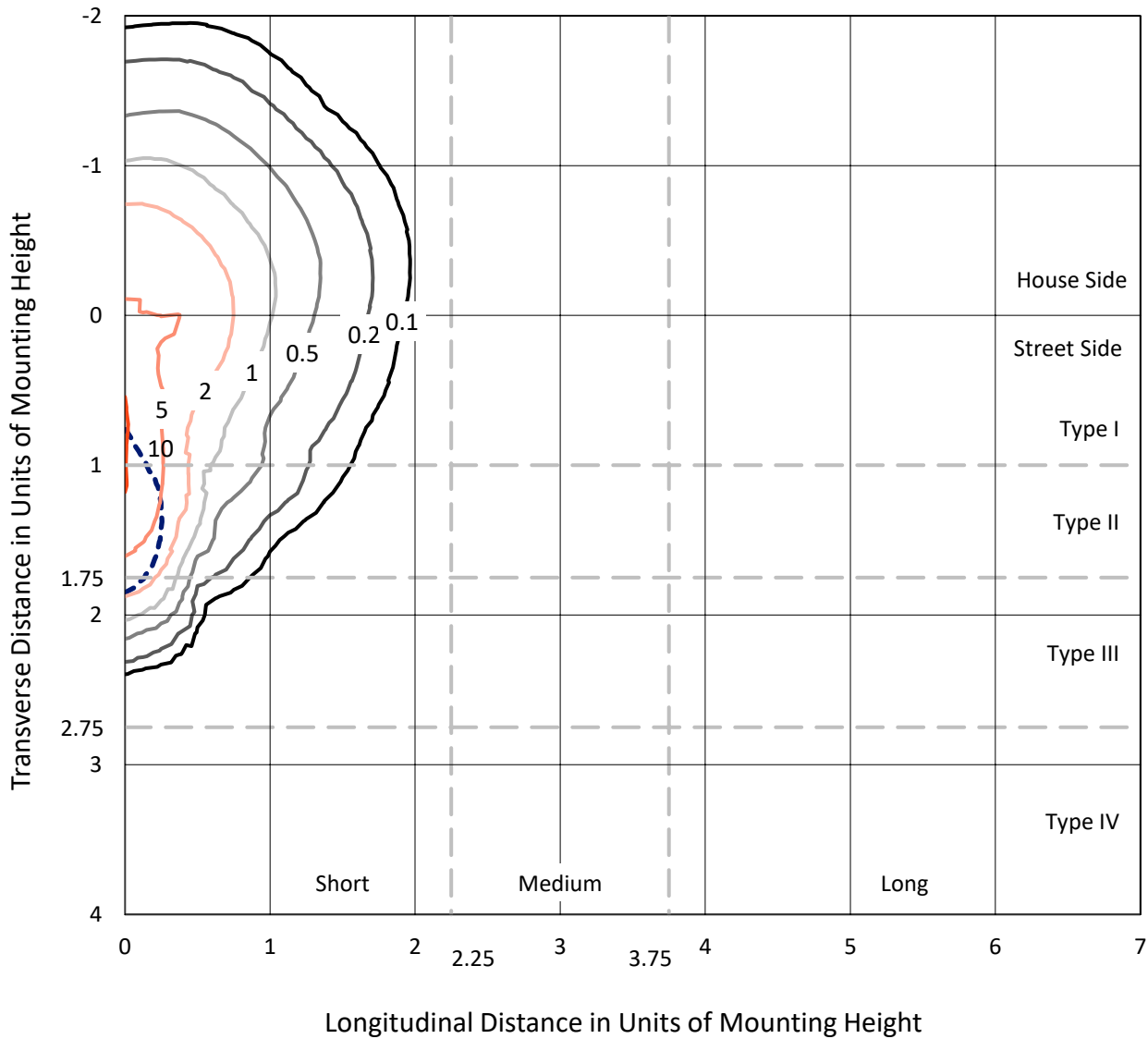
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

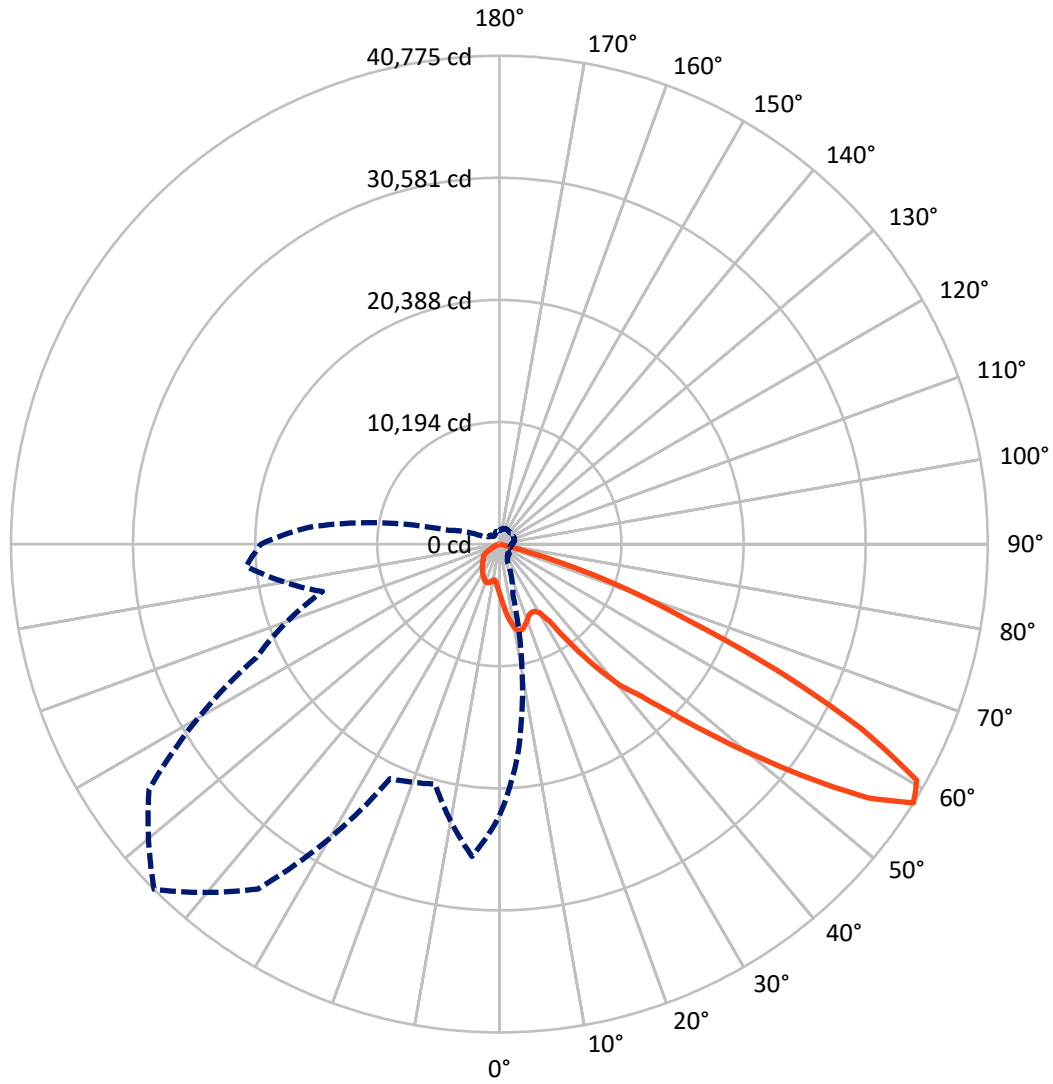
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5289.7	0.0	5289.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	19264.0	0.0	19264.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	24553.7	0.0	24553.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.4	1.7
10°-20°	1356.9	5.5
20°-30°	2202.0	9.0
30°-40°	3379.6	13.8
40°-50°	5397.4	22.0
50°-60°	7557.4	30.8
60°-70°	3874.9	15.8
70°-80°	373.1	1.5
80°-90°	0.0	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°	24553.7	100.0
0°-180°	24553.7	100.0

Coefficient of Utilization



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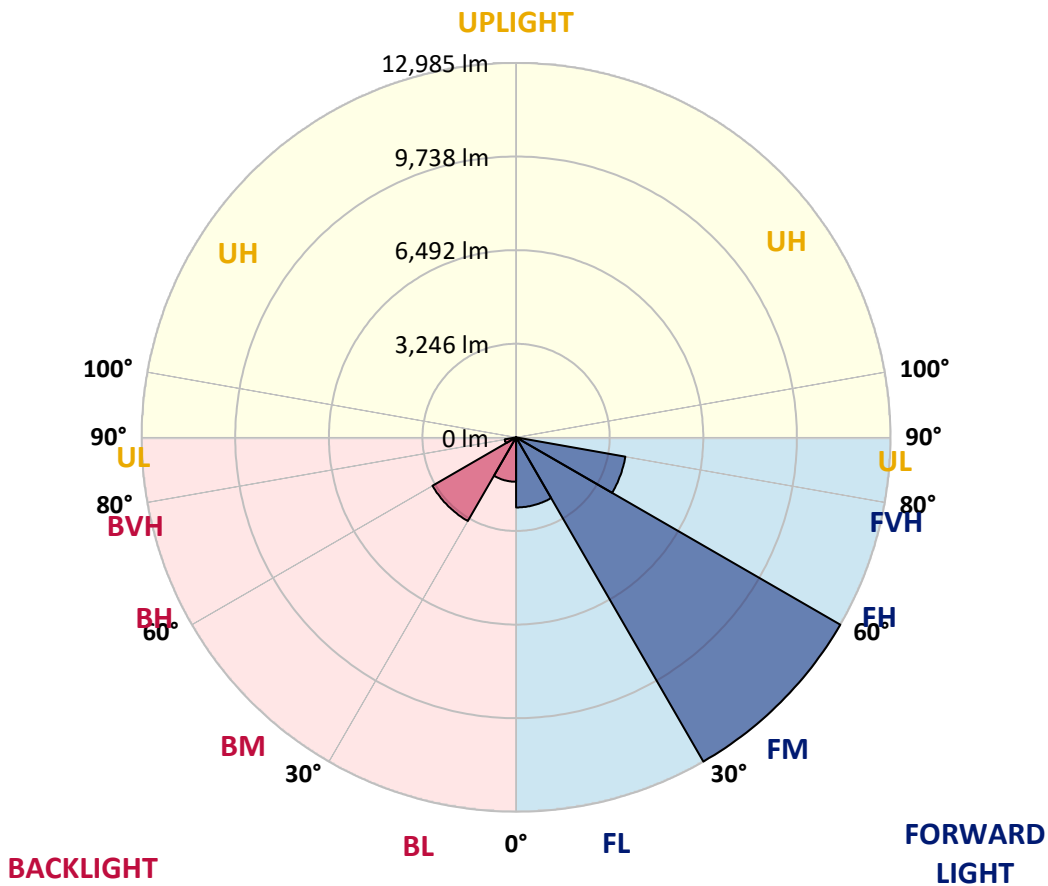
CATALOG NUMBER: GWS-SA6E-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2431.0	9.9			
FM (30°-60°)	12984.6	52.9			
FH (60°-80°)	3848.5	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1540.3	6.3	B3/2500		
BM (30°-60°)	3349.9	13.6	B3/5000		
BH (60°-80°)	399.5	1.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0
2.5°	4634.9	4625.0	4592.2	4480.6	4411.7	4303.3	4224.6	4122.8	4011.2	3942.3	3873.3
5°	5127.2	5101.0	5012.4	4756.3	4559.4	4346.0	4175.3	3988.2	3788.0	3656.7	3535.2
7.5°	5599.9	5560.5	5442.4	5009.1	4710.4	4405.1	4162.2	3889.7	3607.5	3410.5	3259.5
10°	6062.7	5974.1	5787.0	5255.3	4851.5	4483.9	4198.3	3886.5	3554.9	3305.5	3138.1
12.5°	6443.5	6377.9	6121.8	5488.3	4969.7	4500.3	4149.1	3860.2	3637.0	3469.6	3315.3
15°	6771.8	6699.6	6456.6	5698.4	5071.4	4434.6	3942.3	3689.5	3725.6	3791.3	3660.0
17.5°	7073.8	6998.3	6735.7	5872.4	5110.8	4273.8	3653.4	3532.0	3732.2	3978.4	3929.1
20°	7385.6	7300.2	6978.6	6013.5	5097.7	4021.0	3361.3	3397.4	3679.7	3962.0	3988.2
22.5°	7749.9	7661.3	7287.1	6194.0	5087.9	3719.1	3108.5	3279.2	3581.2	3820.8	3866.8
25°	8232.5	8127.4	7717.1	6459.9	5114.1	3443.3	2928.0	3164.3	3413.8	3630.4	3656.7
27.5°	8869.3	8734.7	8212.8	6788.2	5169.9	3226.7	2849.2	3006.8	3200.4	3394.1	3417.1
30°	9699.7	9529.1	8780.6	7073.8	5143.7	3075.7	2796.7	2849.2	2964.1	3121.6	3124.9
32.5°	10671.4	10438.3	9417.4	7319.9	4917.2	2964.1	2724.5	2688.4	2714.6	2836.1	2859.0
35°	11813.7	11511.7	10119.9	7553.0	4503.6	2747.4	2593.2	2471.7	2461.9	2520.9	2576.8
37.5°	13123.4	12762.3	11006.2	7851.7	4014.5	2520.9	2399.5	2278.0	2225.5	2255.1	2340.4
40°	14331.3	13930.9	11931.8	8212.8	3515.5	2317.4	2173.0	2048.3	1985.9	1995.8	2100.8
42.5°	15749.4	15335.8	13064.3	8685.5	3101.9	2179.6	1936.7	1808.6	1726.6	1772.5	1894.0
45°	17902.7	17433.3	14715.4	9095.8	2773.7	2146.7	1729.9	1549.3	1509.9	1588.7	1733.2
47.5°	20843.8	20269.3	16983.6	9345.2	2494.7	2176.3	1585.4	1339.3	1349.1	1437.7	1582.2
50°	23761.9	23141.5	19606.3	9017.0	2264.9	2117.2	1513.2	1175.1	1237.5	1316.3	1447.6
52.5°	25767.5	24960.0	20883.2	8068.3	2054.8	1894.0	1506.7	1020.9	1139.0	1165.3	1276.9
55°	25846.3	24851.7	20230.0	6361.5	1769.3	1598.6	1437.7	892.8	1030.7	1040.5	1135.7
57.5°	22655.7	21756.3	17679.5	4369.0	1572.3	1171.8	1145.6	781.2	846.9	928.9	988.0
60°	17236.3	16471.5	13221.8	2002.3	1194.8	745.1	784.5	672.9	633.5	755.0	814.1
62.5°	10556.5	10067.4	7930.5	886.3	761.5	397.2	476.0	535.0	476.0	521.9	571.2
65°	4191.7	3975.1	3010.0	377.5	311.8	200.2	216.6	311.8	334.8	367.6	413.6
67.5°	728.7	689.3	505.5	167.4	128.0	121.5	105.0	144.4	203.5	226.5	262.6
70°	95.2	91.9	82.1	68.9	65.6	59.1	46.0	91.9	137.9	144.4	167.4
72.5°	23.0	19.7	19.7	16.4	19.7	6.6	6.6	49.2	98.5	101.8	118.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	62.4	68.9	82.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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



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CATALOG NUMBER: GWS-SA6E-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0
2.5°	3817.5	3751.9	3728.9	3696.1	3653.4	3666.5	3607.5	3587.8	3617.3	3656.7	3646.8
5°	3469.6	3397.4	3348.1	3272.6	3259.5	3230.0	3210.3	3184.0	3216.8	3262.8	3272.6
7.5°	3193.9	3131.5	3082.3	3059.3	3042.9	3029.7	2990.3	2970.6	2970.6	2990.3	3006.8
10°	3075.7	3029.7	3019.9	3026.5	3052.7	3049.4	3013.3	2987.1	2954.2	2937.8	2957.5
12.5°	3239.8	3164.3	3151.2	3154.5	3187.3	3184.0	3144.6	3111.8	3105.2	3111.8	3174.2
15°	3518.8	3403.9	3318.6	3302.2	3318.6	3312.0	3282.5	3262.8	3272.6	3367.8	3472.9
17.5°	3768.3	3591.0	3436.8	3377.7	3374.4	3364.5	3335.0	3328.4	3377.7	3554.9	3709.2
20°	3840.5	3666.5	3446.6	3371.1	3354.7	3344.9	3312.0	3321.9	3384.2	3597.6	3728.9
22.5°	3745.3	3577.9	3348.1	3272.6	3259.5	3256.2	3223.4	3236.5	3289.0	3476.2	3584.5
25°	3564.8	3423.6	3184.0	3118.4	3118.4	3111.8	3082.3	3088.8	3121.6	3285.8	3390.8
27.5°	3344.9	3210.3	3010.0	2944.4	2954.2	2964.1	2928.0	2918.1	2944.4	3098.7	3161.0
30°	3092.1	2996.9	2839.3	2780.3	2777.0	2816.4	2767.1	2754.0	2790.1	2911.6	2924.7
32.5°	2845.9	2800.0	2688.4	2642.4	2645.7	2652.2	2626.0	2626.0	2658.8	2724.5	2721.2
35°	2606.3	2576.8	2557.1	2524.2	2520.9	2507.8	2507.8	2514.4	2550.5	2573.5	2530.8
37.5°	2376.5	2406.1	2429.0	2396.2	2370.0	2370.0	2370.0	2399.5	2432.3	2422.5	2350.3
40°	2173.0	2235.4	2307.6	2271.5	2209.1	2205.8	2219.0	2268.2	2317.4	2258.3	2192.7
42.5°	1999.0	2077.8	2179.6	2159.9	2090.9	2081.1	2090.9	2153.3	2192.7	2117.2	2045.0
45°	1828.3	1926.8	2048.3	2048.3	1972.8	1962.9	1966.2	2048.3	2071.2	1982.6	1890.7
47.5°	1683.9	1792.2	1920.3	1920.3	1857.9	1838.2	1854.6	1939.9	1956.4	1831.6	1746.3
50°	1546.1	1664.2	1805.4	1795.5	1752.8	1736.4	1766.0	1857.9	1838.2	1700.3	1611.7
52.5°	1372.1	1496.8	1690.5	1700.3	1677.3	1680.6	1716.7	1775.8	1720.0	1552.6	1477.1
55°	1214.5	1342.5	1536.2	1588.7	1588.7	1585.4	1601.9	1647.8	1601.9	1401.6	1309.7
57.5°	1043.8	1152.2	1313.0	1326.1	1336.0	1299.9	1322.8	1385.2	1362.2	1191.5	1139.0
60°	856.7	948.6	1040.5	1050.4	1007.7	932.2	974.9	1047.1	1063.5	935.5	876.4
62.5°	607.3	695.9	804.2	804.2	761.5	686.0	741.8	804.2	781.2	649.9	613.8
65°	453.0	535.0	617.1	653.2	617.1	564.6	607.3	653.2	617.1	508.8	456.3
67.5°	292.1	347.9	397.2	426.7	433.3	426.7	446.4	433.3	390.6	318.4	288.9
70°	177.3	206.8	233.1	259.3	279.0	288.9	298.7	269.2	226.5	187.1	177.3
72.5°	128.0	154.3	177.3	196.9	219.9	226.5	226.5	206.8	167.4	131.3	121.5
75°	88.6	111.6	131.3	144.4	164.1	170.7	170.7	154.3	124.7	95.2	85.3
77.5°	3.3	23.0	23.0	19.7	26.3	32.8	32.8	39.4	36.1	26.3	23.0
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



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 CATALOG NUMBER: GWS-SA6E-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0
2.5°	3666.5	3784.7	3817.5	3939.0	4047.3	4155.6	4286.9	4365.7	4483.9	4565.9	4611.9
5°	3305.5	3403.9	3522.1	3702.6	3889.7	4096.5	4346.0	4562.7	4835.1	5035.3	5101.0
7.5°	3042.9	3170.9	3308.7	3535.2	3791.3	4067.0	4418.2	4772.7	5189.6	5462.1	5636.0
10°	2993.6	3124.9	3308.7	3532.0	3801.1	4116.2	4546.2	5005.8	5527.7	5859.2	6056.2
12.5°	3230.0	3371.1	3449.9	3551.6	3755.2	4106.4	4657.8	5242.1	5856.0	6217.0	6427.1
15°	3577.9	3702.6	3574.6	3446.6	3577.9	4001.3	4720.2	5439.1	6144.8	6561.7	6778.3
17.5°	3817.5	3827.4	3548.4	3275.9	3312.0	3811.0	4743.2	5636.0	6453.4	6889.9	7116.4
20°	3794.6	3715.8	3433.5	3131.5	3019.9	3564.8	4716.9	5810.0	6765.2	7221.5	7444.7
22.5°	3617.3	3525.4	3285.8	2990.3	2773.7	3272.6	4671.0	5967.6	7050.8	7569.4	7779.5
25°	3403.9	3305.5	3108.5	2849.2	2616.1	2990.3	4634.9	6184.2	7411.8	8022.4	8186.5
27.5°	3154.5	3069.1	2901.7	2714.6	2550.5	2777.0	4625.0	6469.8	7848.4	8573.8	8688.7
30°	2911.6	2832.8	2701.5	2593.2	2524.2	2652.2	4592.2	6775.0	8370.3	9207.4	9332.1
32.5°	2678.5	2599.7	2517.7	2501.3	2504.5	2606.3	4480.6	7077.0	8990.7	10126.5	10218.4
35°	2478.3	2386.4	2353.5	2392.9	2465.1	2527.5	4165.5	7326.5	9657.1	11127.6	11203.1
37.5°	2287.9	2196.0	2192.7	2287.9	2366.7	2406.1	3794.6	7572.7	10556.5	12145.2	12240.4
40°	2113.9	2022.0	2054.8	2169.7	2232.1	2251.8	3344.9	7946.9	11508.4	13218.6	13166.0
42.5°	1966.2	1871.0	1890.7	2038.4	2094.2	2146.7	2931.3	8258.7	12424.2	14236.1	14219.7
45°	1821.8	1749.6	1736.4	1897.3	1946.5	2156.6	2629.3	8498.4	13602.6	15532.7	15559.0
47.5°	1680.6	1624.8	1628.1	1697.0	1818.5	2205.8	2373.2	8655.9	15312.8	17587.6	17131.3
50°	1552.6	1509.9	1546.1	1467.3	1736.4	2143.5	2153.3	8623.1	17223.2	19557.0	18641.2
52.5°	1411.5	1401.6	1418.0	1227.6	1605.1	1890.7	1946.5	8186.5	18119.3	20902.9	20380.9
55°	1267.0	1263.8	1132.5	981.5	1342.5	1509.9	1667.5	6830.8	18089.8	21618.4	22252.0
57.5°	1096.3	1070.1	860.0	800.9	1043.8	1050.4	1519.8	4474.0	16031.7	19905.0	21218.0
60°	830.5	810.8	630.2	649.9	728.7	672.9	1211.2	2228.8	11981.1	15506.5	16986.9
62.5°	574.4	548.2	469.4	502.2	469.4	384.1	741.8	1102.9	7257.6	9791.7	11134.2
65°	420.2	390.6	321.7	275.7	219.9	219.9	282.3	423.4	2809.8	4162.2	5018.9
67.5°	259.3	246.2	190.4	137.9	134.6	144.4	147.7	210.1	453.0	722.1	883.0
70°	167.4	154.3	128.0	88.6	82.1	85.3	88.6	98.5	114.9	124.7	151.0
72.5°	114.9	108.3	91.9	49.2	39.4	42.7	46.0	46.0	55.8	52.5	62.4
75°	82.1	75.5	65.6	23.0	13.1	16.4	19.7	16.4	19.7	13.1	16.4
77.5°	23.0	23.0	16.4	3.3	0.0	3.3	6.6	6.6	3.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	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: P643264

CATALOG NUMBER: GWS-SA6E-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0	4172.0
2.5°	4730.1	4805.6	4835.1	4792.4	4828.5	4769.4	4746.5	4657.8	4651.3	4634.9
5°	5366.9	5537.6	5639.3	5701.7	5629.5	5550.7	5432.5	5229.0	5166.6	5127.2
7.5°	5993.8	6259.7	6433.7	6515.7	6496.0	6335.2	6121.8	5780.5	5659.0	5599.9
10°	6538.7	6863.7	7073.8	7175.5	7132.8	6991.7	6686.4	6259.7	6098.9	6062.7
12.5°	6919.5	7218.2	7362.6	7451.2	7454.5	7398.7	7109.9	6679.9	6489.5	6443.5
15°	7159.1	7287.1	7290.4	7342.9	7434.8	7559.6	7425.0	7044.2	6840.7	6771.8
17.5°	7310.1	7168.9	7024.5	7037.6	7188.6	7520.2	7658.0	7365.9	7149.3	7073.8
20°	7418.4	6972.0	6702.8	6706.1	6860.4	7362.6	7818.9	7677.7	7454.5	7385.6
22.5°	7487.3	6798.0	6414.0	6404.1	6568.3	7175.5	7966.6	8048.7	7828.7	7749.9
25°	7628.5	6716.0	6240.0	6295.8	6440.2	7116.4	8166.8	8541.0	8337.5	8232.5
27.5°	7881.2	6798.0	6223.6	6351.6	6515.7	7290.4	8514.8	9197.5	8987.4	8869.3
30°	8317.8	7106.6	6476.3	6653.6	6850.5	7746.7	9099.0	10113.3	9811.3	9699.7
32.5°	9020.3	7746.7	7257.6	7638.3	7828.7	8495.1	9975.5	11140.8	10894.6	10671.4
35°	9988.6	9207.4	9151.6	10037.8	9991.9	9913.1	11052.1	12401.2	12030.3	11813.7
37.5°	11321.3	11557.6	11971.2	12850.9	12821.4	12220.7	12466.9	13592.8	13402.4	13123.4
40°	12985.5	13487.7	14190.2	15450.7	15056.8	14301.8	14203.3	14813.9	14659.6	14331.3
42.5°	13967.0	14833.5	16172.8	17305.3	16990.1	15670.6	15559.0	16445.2	16107.2	15749.4
45°	14423.2	15929.9	18555.9	20088.8	19133.6	16579.8	16537.2	18572.3	18381.9	17902.7
47.5°	14633.3	17036.1	21346.0	23666.7	21881.0	17377.5	17223.2	21657.8	21408.4	20843.8
50°	14866.4	18562.4	24707.3	27812.5	25199.6	18280.2	18391.8	24533.3	24428.2	23761.9
52.5°	15378.4	20177.4	28846.5	32552.4	29224.0	19694.9	20397.4	27244.6	26535.6	25767.5
55°	16146.5	21936.8	33153.1	37394.1	33330.3	21595.5	22567.1	28685.6	26696.4	25846.3
57.5°	15296.4	22376.7	35703.6	40775.0	35152.1	21602.0	20732.2	26187.7	23479.6	22655.7
60°	12138.6	20817.5	34722.1	40043.0	33599.5	19182.8	15874.1	20446.6	17787.8	17236.3
62.5°	8206.2	17459.5	30566.5	33865.4	28757.8	15089.6	10316.8	13297.3	11012.7	10556.5
65°	4497.0	13024.9	24697.4	25619.8	22508.0	10540.1	5307.8	5770.6	4395.2	4191.7
67.5°	1240.8	9066.2	18171.8	16996.7	15792.0	6863.7	1372.1	1030.7	735.3	728.7
70°	311.8	5997.1	10888.0	11222.8	9683.3	4395.2	262.6	124.7	98.5	95.2
72.5°	131.3	2580.0	5166.6	5938.0	4956.6	2035.1	95.2	36.1	29.5	23.0
75°	16.4	206.8	439.9	666.3	456.3	219.9	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)