

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: P635844

Luminaire Tested: GWS-SA3E-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17600.3 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

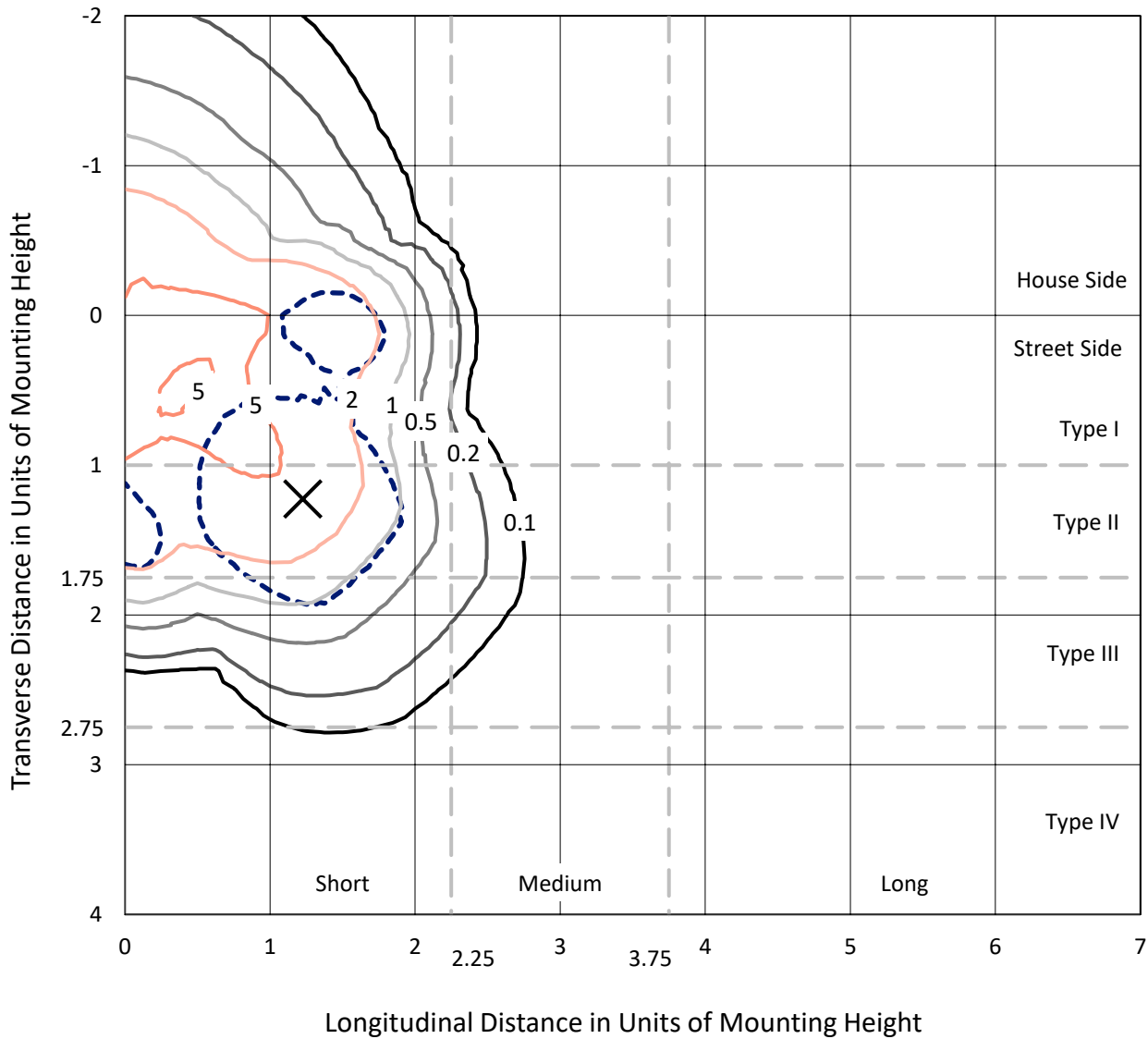
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635844
 CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

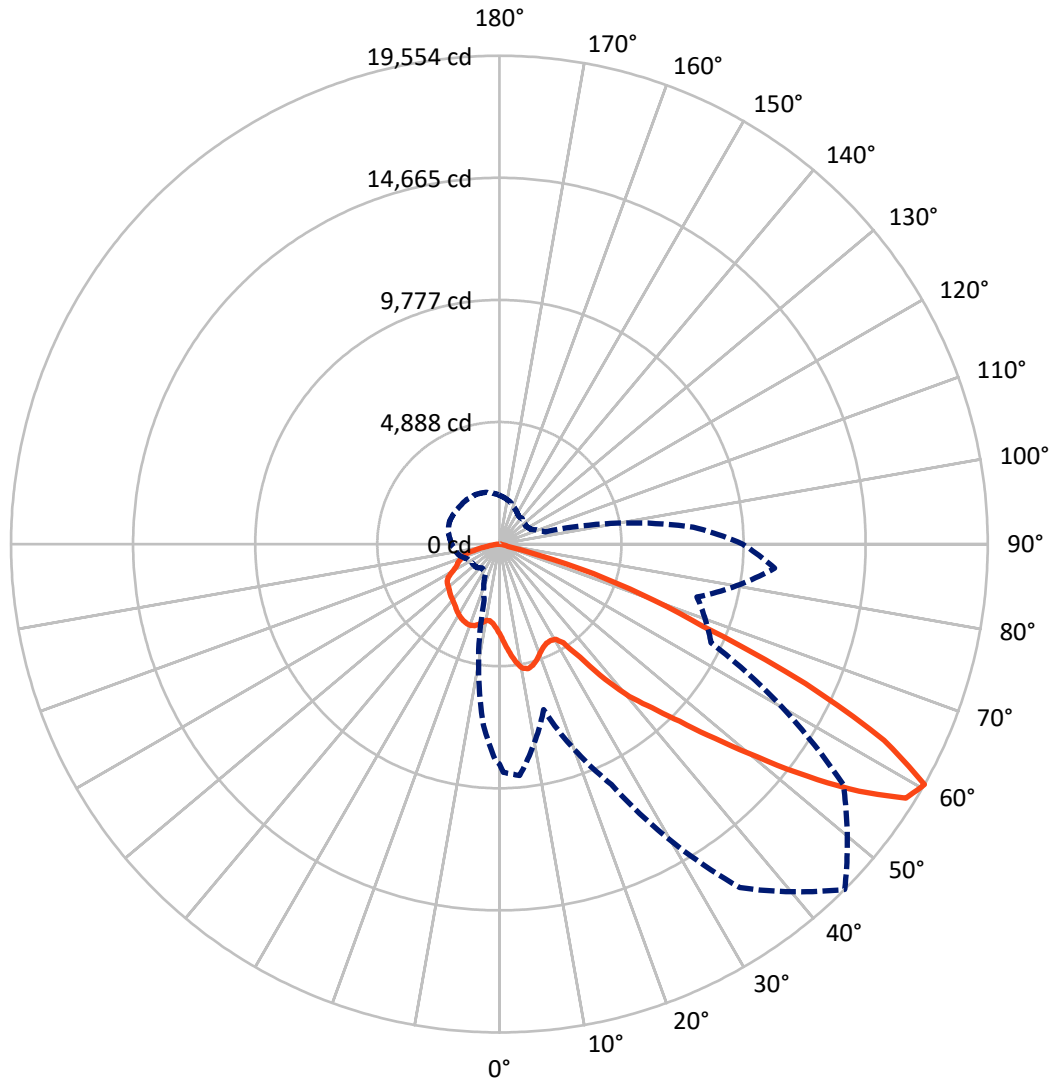
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

REPORT NUMBER: P635844
CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P635844

CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6169.5	0.0	6169.5
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	11430.8	0.0	11430.8
	% Fixture	64.9	0.0	64.9
Total	Lumens	17600.3	0.0	17600.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.8	2.0
10°-20°	1114.7	6.3
20°-30°	1810.8	10.3
30°-40°	2553.7	14.5
40°-50°	3529.2	20.1
50°-60°	4543.1	25.8
60°-70°	2878.5	16.4
70°-80°	738.6	4.2
80°-90°	79.0	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°	17600.3	100.0
0°-180°	17600.3	100.0

Coefficient of Utilization



REPORT NUMBER: P635844

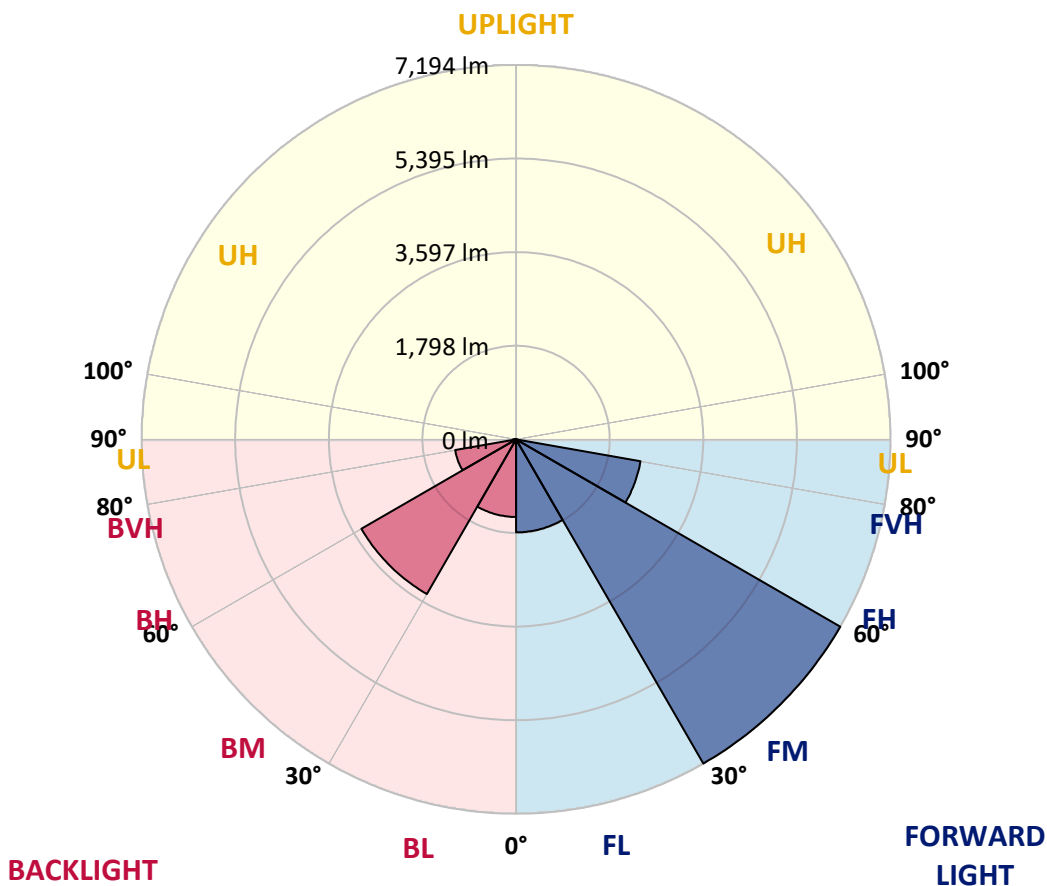
CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.1	10.2			
FM (30°-60°)	7194.0	40.9			
FH (60°-80°)	2428.2	13.8			G2/5000
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	1491.2	8.5	B3/2500		
BM (30°-60°)	3431.9	19.5	B3/5000		
BH (60°-80°)	1188.9	6.8	B3/2500		G3/2500
BVH (80°-90°)	57.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P635844

CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6
2.5°	3781.7	3807.5	3823.7	3854.3	3909.1	3939.8	3973.6	3936.5	3946.2	3941.4	3881.7
5°	4005.9	4036.5	4078.5	4168.8	4270.4	4326.8	4380.0	4372.0	4322.0	4238.1	4178.4
7.5°	4215.5	4251.0	4323.6	4470.3	4620.3	4707.4	4771.9	4730.0	4688.0	4555.8	4405.8
10°	4380.0	4401.0	4499.4	4696.1	4870.3	4968.7	5047.7	5038.0	4979.9	4831.6	4630.0
12.5°	4534.8	4549.4	4655.8	4852.5	5009.0	5052.5	5117.0	5138.0	5118.6	5007.4	4809.0
15°	4700.9	4728.4	4826.7	4976.7	5047.7	5002.5	5025.1	5083.2	5138.0	5138.0	4955.8
17.5°	4855.8	4880.0	4979.9	5044.4	4976.7	4857.4	4863.8	4938.0	5068.6	5205.7	5089.6
20°	4992.8	5015.4	5113.8	5052.5	4838.0	4663.9	4659.0	4749.3	4960.6	5249.3	5233.1
22.5°	5142.8	5175.1	5257.3	5059.0	4709.0	4488.1	4486.5	4580.0	4865.4	5292.8	5397.6
25°	5355.7	5405.7	5447.6	5115.4	4639.7	4373.6	4394.5	4483.2	4834.8	5363.8	5641.1
27.5°	5671.8	5712.1	5708.9	5233.1	4636.4	4326.8	4370.3	4473.6	4889.6	5489.5	5897.6
30°	6013.7	6034.6	6000.8	5397.6	4710.6	4355.8	4420.3	4542.9	5028.3	5697.6	6274.9
32.5°	6392.6	6418.4	6353.9	5644.4	4883.2	4570.3	4712.2	4771.9	5223.5	5997.5	6674.9
35°	6828.1	6878.1	6744.2	5970.1	5391.2	5352.5	5558.9	5481.5	5637.9	6352.3	7102.2
37.5°	7286.1	7287.7	7095.8	6452.3	6387.8	6453.9	6866.8	6624.9	6516.8	6747.4	7537.6
40°	7674.7	7665.0	7369.9	7102.2	7255.4	7518.3	8016.6	7645.7	7361.9	7278.0	7898.9
42.5°	8063.4	8027.9	7729.6	7515.1	7853.7	8394.0	8956.8	8502.0	7903.7	7760.2	8255.3
45°	8560.1	8548.8	8189.2	7679.6	8394.0	9374.5	10121.1	9384.2	8224.6	8040.8	8848.7
47.5°	9361.6	9306.7	8637.5	7666.7	8900.4	10680.7	11624.2	10495.3	8448.8	8047.2	9806.7
50°	10145.3	10077.6	9172.9	7665.0	9422.9	12035.4	13398.1	11845.1	8677.8	8086.0	10780.7
52.5°	10937.2	10937.2	10051.8	7847.3	9971.2	13548.1	15447.8	13527.1	9068.1	8592.3	11979.0
55°	11408.1	11533.9	11040.4	8155.3	10613.0	15328.5	17474.9	15343.0	9671.2	9506.7	13085.2
57.5°	10809.8	11045.2	10974.3	7940.8	10992.0	16636.4	19194.1	16720.2	9969.6	9614.8	12919.1
60°	8808.4	9135.8	9298.7	6857.1	10617.9	16787.9	19553.7	16810.5	9353.5	8187.6	11066.2
62.5°	5855.6	6124.9	6373.3	4899.3	9192.2	15102.7	17294.3	15107.5	7811.8	6110.4	7666.7
65°	2872.2	3072.1	3339.9	2896.4	7181.2	12619.2	13483.6	12208.0	5650.8	3420.5	3910.7
67.5°	751.5	808.0	845.0	1124.0	5144.4	9066.5	8793.9	8929.4	3630.1	1117.6	1022.4
70°	390.3	393.5	391.9	464.5	3476.9	5762.1	6060.4	5607.3	2533.5	467.7	403.2
72.5°	279.0	280.6	275.8	312.9	1678.8	3301.1	3420.5	3383.4	1327.2	277.4	275.8
75°	182.2	183.8	180.6	183.8	253.2	375.8	346.7	364.5	220.9	175.8	175.8
77.5°	108.0	109.7	108.0	111.3	108.0	108.0	100.0	100.0	95.1	95.1	96.8
80°	72.6	72.6	71.0	74.2	67.7	67.7	64.5	62.9	58.1	56.4	56.4
82.5°	43.5	45.2	43.5	43.5	40.3	40.3	37.1	35.5	30.6	30.6	29.0
85°	22.6	22.6	21.0	21.0	17.7	16.1	12.9	12.9	9.7	8.1	8.1
87.5°	3.2	3.2	1.6	1.6	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: P635844

CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6
2.5°	3865.6	3833.3	3784.9	3738.2	3694.6	3649.5	3597.9	3544.7	3499.5	3452.7	3428.5
5°	4099.4	4033.3	3907.5	3796.2	3696.3	3614.0	3525.3	3449.5	3378.6	3320.5	3291.5
7.5°	4310.7	4207.5	4017.2	3841.4	3705.9	3593.0	3470.5	3357.6	3262.4	3191.5	3164.1
10°	4505.8	4383.3	4133.3	3910.7	3752.7	3626.9	3476.9	3323.7	3197.9	3104.4	3081.8
12.5°	4663.9	4523.6	4225.2	3967.2	3780.1	3644.6	3512.4	3380.2	3256.0	3135.0	3115.7
15°	4804.2	4638.1	4294.6	4002.7	3770.4	3597.9	3486.6	3470.5	3470.5	3333.4	3294.7
17.5°	4925.1	4742.9	4351.0	4018.8	3709.2	3459.2	3391.5	3531.8	3689.8	3591.4	3504.3
20°	5063.8	4842.9	4397.8	4018.8	3596.3	3283.4	3277.0	3515.6	3749.5	3751.1	3659.2
22.5°	5204.1	4959.0	4452.6	4004.3	3441.4	3080.2	3199.5	3451.1	3659.2	3747.9	3685.0
25°	5431.5	5120.2	4539.7	3993.0	3260.8	2941.5	3130.2	3365.7	3541.4	3635.0	3594.7
27.5°	5720.2	5333.1	4671.9	4010.7	3081.8	2859.3	3056.0	3254.4	3414.0	3496.3	3467.3
30°	6042.7	5578.2	4813.8	4041.4	2952.8	2817.3	2967.3	3127.0	3268.9	3351.1	3338.2
32.5°	6453.9	5844.3	4936.4	3999.4	2880.2	2796.4	2873.8	2988.3	3125.4	3177.0	3188.3
35°	6945.8	6137.8	5029.9	3834.9	2814.1	2773.8	2772.2	2843.1	2939.9	3022.2	3030.2
37.5°	7399.0	6481.3	5133.1	3552.7	2694.8	2717.4	2652.9	2694.8	2789.9	2872.2	2904.4
40°	7847.3	6829.7	5276.7	3193.1	2538.4	2591.6	2515.8	2544.8	2620.6	2728.6	2780.3
42.5°	8282.7	7144.2	5428.3	2825.4	2381.9	2415.8	2359.3	2388.4	2467.4	2602.9	2660.9
45°	8756.8	7569.9	5546.0	2478.7	2246.5	2231.9	2186.8	2228.7	2348.1	2496.4	2565.8
47.5°	9653.5	8240.8	5623.4	2248.1	2173.9	2069.1	2017.5	2107.8	2243.2	2393.2	2477.1
50°	10748.5	9211.6	5600.8	2101.3	2111.0	1901.3	1883.6	2002.9	2148.1	2304.5	2396.4
52.5°	11616.1	10164.7	5344.4	1961.0	1988.4	1794.9	1743.3	1917.5	2056.2	2215.8	2311.0
55°	12278.9	10485.6	4557.4	1794.9	1788.5	1717.5	1609.4	1828.8	1964.2	2112.6	2215.8
57.5°	11738.7	9771.2	3378.6	1565.9	1527.2	1564.3	1459.5	1678.8	1851.4	1998.1	2090.0
60°	9742.2	7790.8	1882.0	1386.9	1277.2	1367.5	1351.4	1520.8	1728.8	1883.6	1962.6
62.5°	6613.6	5188.0	1116.0	1096.6	1035.3	1164.4	1249.8	1361.1	1565.9	1691.7	1765.9
65°	3296.3	2520.6	741.8	820.9	828.9	957.9	1119.2	1241.8	1412.7	1541.7	1615.9
67.5°	956.3	783.8	564.4	627.3	714.4	817.6	946.6	1091.8	1257.9	1411.1	1498.2
70°	412.8	417.7	448.3	522.5	608.0	714.4	843.4	985.3	1125.6	1243.4	1309.5
72.5°	291.9	303.2	337.0	412.8	493.5	595.1	724.1	861.2	962.8	1082.1	1151.4
75°	187.1	195.1	222.5	280.6	340.3	438.6	561.2	687.0	791.8	877.3	943.4
77.5°	103.2	104.8	127.4	161.3	201.6	264.5	354.8	453.2	530.6	579.0	638.6
80°	59.7	59.7	71.0	91.9	116.1	154.8	204.8	253.2	300.0	330.6	359.6
82.5°	32.3	32.3	37.1	50.0	62.9	85.5	114.5	138.7	167.7	183.8	203.2
85°	9.7	9.7	12.9	17.7	22.6	32.3	45.2	58.1	71.0	82.2	93.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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: P635844

CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6
2.5°	3423.7	3401.1	3388.2	3372.1	3376.9	3362.4	3354.4	3359.2	3330.2	3359.2	3388.2
5°	3280.2	3247.9	3222.1	3201.2	3191.5	3172.1	3160.8	3160.8	3143.1	3172.1	3207.6
7.5°	3154.4	3128.6	3115.7	3102.8	3088.3	3070.5	3051.2	3044.7	3033.4	3064.1	3094.7
10°	3070.5	3073.8	3081.8	3099.6	3096.3	3085.0	3056.0	3039.9	3039.9	3075.4	3122.1
12.5°	3109.2	3143.1	3162.5	3194.7	3201.2	3191.5	3162.5	3149.6	3181.8	3235.0	3312.4
15°	3259.2	3281.8	3297.9	3323.7	3322.1	3314.0	3291.5	3301.1	3407.6	3510.8	3580.1
17.5°	3422.1	3396.3	3393.1	3409.2	3414.0	3404.4	3391.5	3435.0	3610.8	3707.5	3743.0
20°	3539.8	3451.1	3431.8	3438.2	3451.1	3446.3	3446.3	3517.2	3699.5	3744.6	3699.5
22.5°	3575.3	3449.5	3420.5	3422.1	3439.8	3441.4	3449.5	3523.7	3630.1	3631.7	3562.4
25°	3518.9	3397.9	3376.9	3380.2	3401.1	3399.5	3402.7	3444.7	3491.4	3472.1	3420.5
27.5°	3412.4	3307.6	3301.1	3318.9	3346.3	3331.8	3322.1	3333.4	3356.0	3331.8	3286.6
30°	3291.5	3202.8	3206.0	3239.9	3268.9	3244.7	3220.5	3227.0	3228.6	3202.8	3151.2
32.5°	3164.1	3097.9	3109.2	3144.7	3178.6	3152.8	3127.0	3123.8	3093.1	3062.5	3012.5
35°	3036.7	3010.9	3025.4	3054.4	3083.4	3062.5	3046.3	3036.7	2970.5	2925.4	2883.5
37.5°	2920.6	2939.9	2965.7	2983.4	2993.1	2991.5	2981.8	2959.3	2872.2	2819.0	2764.1
40°	2817.3	2877.0	2904.4	2912.5	2927.0	2923.8	2922.2	2889.9	2775.4	2719.0	2656.1
42.5°	2723.8	2807.7	2854.4	2862.5	2870.6	2872.2	2867.3	2820.6	2689.9	2623.8	2564.2
45°	2633.5	2743.2	2802.8	2794.8	2806.1	2806.1	2810.9	2749.6	2606.1	2538.4	2475.5
47.5°	2554.5	2683.5	2738.3	2728.6	2735.1	2739.9	2744.8	2673.8	2514.2	2449.7	2385.1
50°	2481.9	2619.0	2665.8	2669.0	2669.0	2680.3	2678.7	2609.3	2436.8	2367.4	2302.9
52.5°	2404.5	2552.9	2602.9	2623.8	2630.3	2635.1	2612.5	2531.9	2357.7	2273.9	2214.2
55°	2314.2	2485.1	2530.3	2557.7	2570.6	2567.4	2536.7	2454.5	2277.1	2193.2	2125.5
57.5°	2177.1	2340.0	2404.5	2417.4	2438.4	2425.5	2390.0	2320.6	2148.1	2064.2	1994.9
60°	2027.1	2144.9	2196.5	2207.8	2191.6	2196.5	2191.6	2125.5	1975.5	1909.4	1838.4
62.5°	1830.4	1935.2	1990.0	2004.6	1977.1	1994.9	1988.4	1906.2	1756.2	1686.9	1624.0
65°	1682.0	1796.5	1861.0	1869.1	1861.0	1869.1	1846.5	1746.5	1604.6	1533.7	1469.1
67.5°	1565.9	1683.6	1751.4	1773.9	1765.9	1764.3	1728.8	1612.7	1465.9	1388.5	1306.3
70°	1365.9	1469.1	1556.2	1611.1	1611.1	1580.4	1512.7	1404.6	1286.9	1220.8	1156.3
72.5°	1209.5	1340.1	1425.6	1482.0	1493.3	1475.6	1380.4	1265.9	1130.5	1064.4	996.6
75°	996.6	1124.0	1216.0	1290.1	1304.7	1285.3	1175.6	1062.8	937.0	872.5	804.7
77.5°	666.0	741.8	816.0	883.7	869.2	882.1	808.0	722.5	645.1	596.7	566.0
80°	375.8	425.7	448.3	485.4	485.4	485.4	437.0	396.7	353.2	325.8	295.1
82.5°	212.9	245.1	254.8	285.4	293.5	295.1	262.9	237.1	209.6	195.1	174.2
85°	98.4	116.1	117.7	135.5	141.9	154.8	140.3	122.6	106.4	100.0	87.1
87.5°	3.2	9.7	12.9	24.2	32.3	37.1	40.3	40.3	33.9	30.6	25.8
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: P635844

CATALOG NUMBER: GWS-SA3E-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6	3615.6
2.5°	3423.7	3462.4	3507.6	3539.8	3597.9	3646.3	3696.3	3751.1	3791.4	3781.7
5°	3251.2	3315.7	3397.9	3473.7	3581.8	3691.4	3812.4	3936.5	4009.1	4005.9
7.5°	3154.4	3246.3	3346.3	3447.9	3575.3	3733.3	3918.8	4112.3	4210.7	4215.5
10°	3206.0	3304.4	3372.1	3457.6	3591.4	3789.8	4012.3	4244.6	4357.4	4380.0
12.5°	3368.9	3360.8	3356.0	3417.3	3578.5	3830.1	4102.6	4380.0	4507.4	4534.8
15°	3523.7	3357.6	3257.6	3299.5	3520.5	3855.9	4191.3	4528.4	4671.9	4700.9
17.5°	3552.7	3301.1	3115.7	3144.7	3428.5	3864.0	4276.8	4673.5	4828.3	4855.8
20°	3472.1	3228.6	3012.5	2972.2	3312.4	3843.0	4330.0	4794.5	4963.8	4992.8
22.5°	3370.5	3164.1	2935.1	2830.2	3170.5	3822.0	4389.7	4921.9	5117.0	5142.8
25°	3264.1	3081.8	2862.5	2702.8	3009.3	3809.1	4489.7	5089.6	5325.1	5355.7
27.5°	3151.2	2981.8	2799.6	2641.6	2860.9	3825.3	4631.6	5360.5	5628.2	5671.8
30°	3030.2	2881.9	2759.3	2620.6	2759.3	3839.8	4788.0	5637.9	5952.4	6013.7
32.5°	2904.4	2789.9	2717.4	2630.3	2696.4	3805.9	4925.1	5949.2	6339.4	6392.6
35°	2778.6	2696.4	2664.1	2648.0	2612.5	3681.7	5036.4	6263.6	6781.3	6828.1
37.5°	2660.9	2599.6	2590.0	2607.7	2483.5	3478.5	5165.4	6663.6	7215.1	7286.1
40°	2551.3	2494.8	2493.2	2490.0	2341.6	3201.2	5339.6	7070.0	7642.5	7674.7
42.5°	2449.7	2378.7	2391.6	2352.9	2225.5	2901.2	5504.1	7416.7	8040.8	8063.4
45°	2359.3	2265.8	2280.3	2231.9	2170.7	2586.7	5649.2	7826.3	8545.6	8560.1
47.5°	2272.3	2172.3	2132.0	2128.7	2161.0	2296.4	5791.1	8614.9	9335.8	9361.6
50°	2191.6	2083.6	1969.1	2040.0	2101.3	2078.7	5968.5	9460.0	10151.8	10145.3
52.5°	2114.2	1972.3	1809.4	1946.5	1946.5	1917.5	5918.5	9972.8	10825.9	10937.2
55°	2025.5	1793.3	1643.3	1790.1	1719.1	1772.3	5033.2	10140.5	11250.0	11408.1
57.5°	1849.7	1572.4	1441.7	1520.8	1414.3	1643.3	3615.6	9308.4	10529.2	10809.8
60°	1680.4	1409.5	1324.0	1309.5	1170.8	1340.1	2343.2	7287.7	8666.5	8808.4
62.5°	1482.0	1269.2	1196.6	1085.3	941.8	975.7	1419.2	4796.1	5823.4	5855.6
65°	1332.1	1149.8	1011.1	878.9	770.9	708.0	838.6	2312.6	2910.9	2872.2
67.5°	1143.4	985.3	853.1	758.0	669.3	590.2	558.0	687.0	777.3	751.5
70°	1017.6	866.0	738.6	648.3	566.0	487.0	430.6	404.8	396.7	390.3
72.5°	877.3	745.1	612.8	525.7	448.3	375.8	324.1	293.5	285.4	279.0
75°	699.9	575.7	454.8	372.5	304.8	253.2	219.3	193.5	188.7	182.2
77.5°	462.8	369.3	270.9	220.9	180.6	153.2	130.6	114.5	111.3	108.0
80°	254.8	212.9	166.1	133.9	108.0	93.5	85.5	75.8	74.2	72.6
82.5°	151.6	127.4	95.1	75.8	62.9	56.4	51.6	46.8	45.2	43.5
85°	75.8	59.7	41.9	35.5	32.3	29.0	29.0	24.2	22.6	22.6
87.5°	19.4	16.1	9.7	8.1	8.1	8.1	6.5	4.8	4.8	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)