

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: P636335

Luminaire Tested: GWS-SA3F-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636335
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-SA3F-750-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 19468 lumens
Efficiency: N/A
Efficacy: 106.3 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

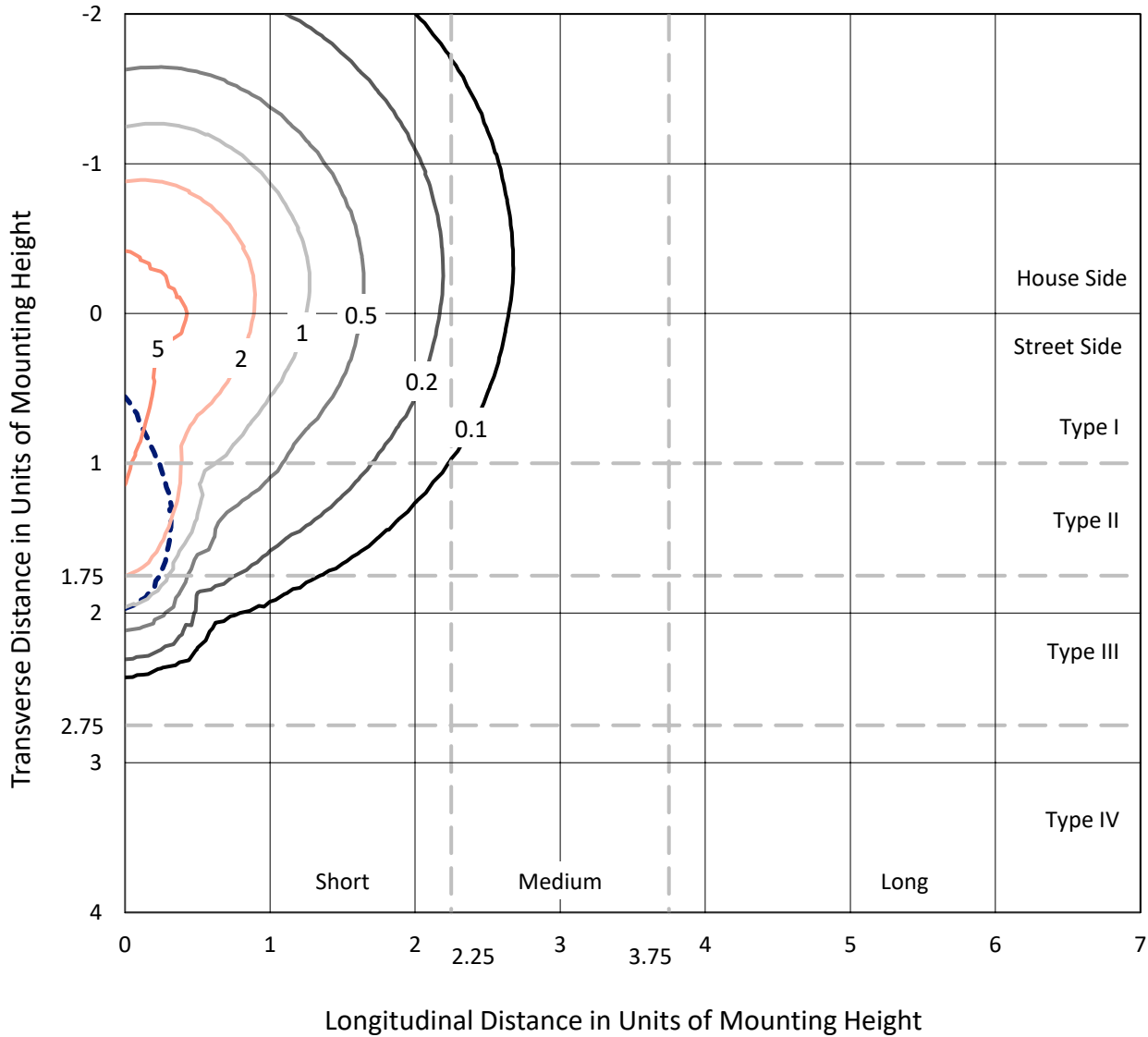
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636335
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

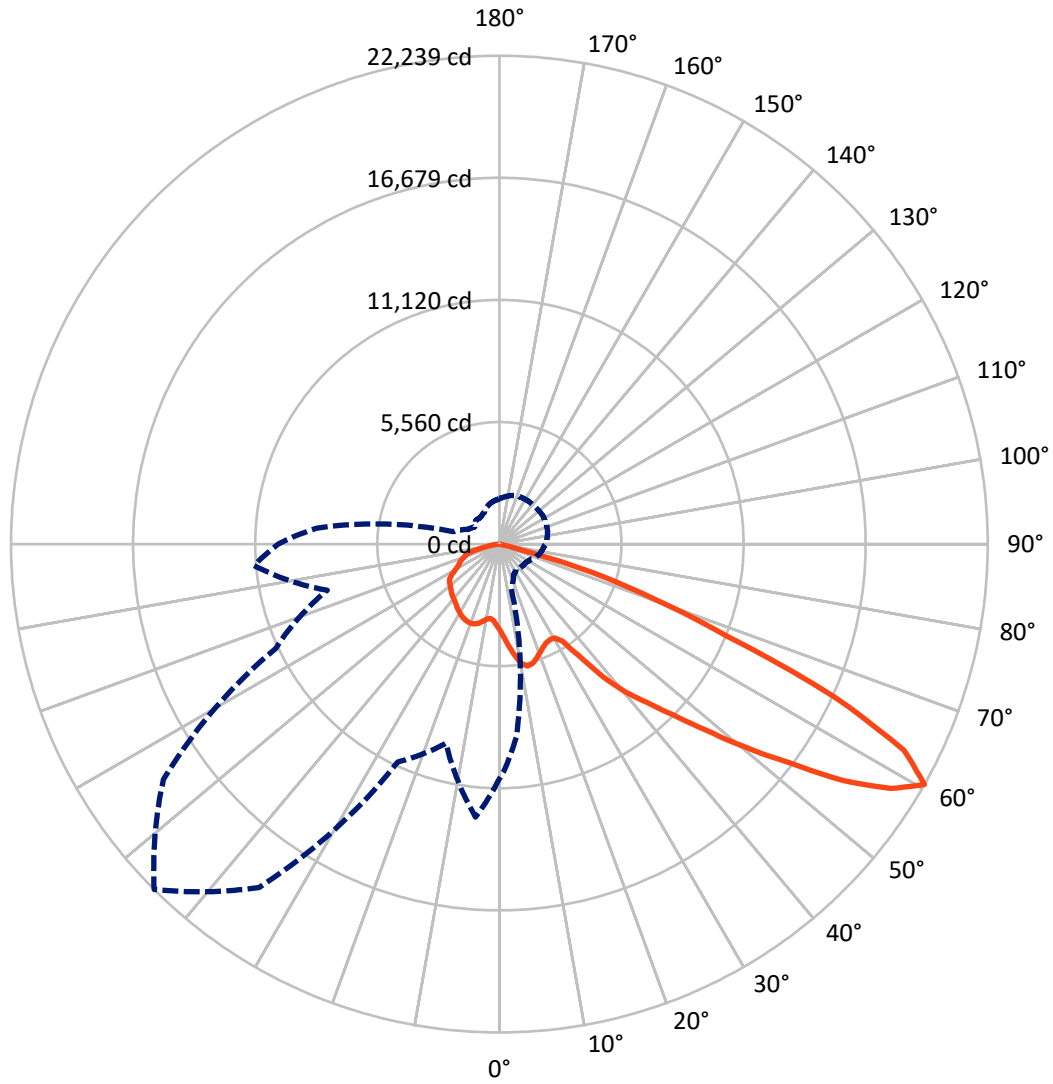
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

REPORT NUMBER: P636335
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636335
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

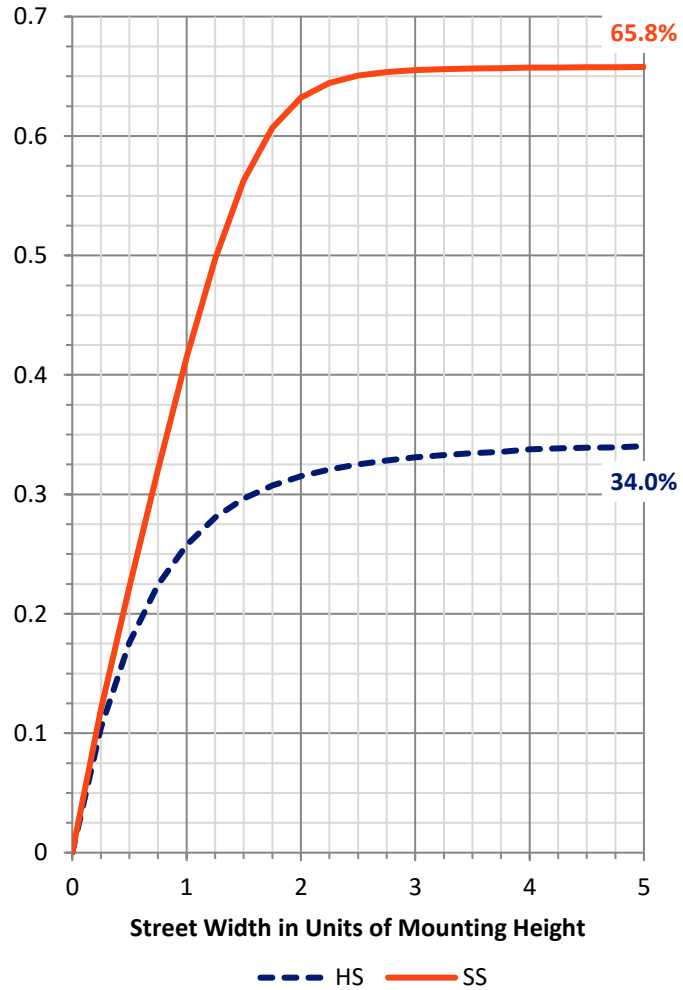
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6659.8	0.0	6659.8
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	12808.2	0.0	12808.2
	% Fixture	65.8	0.0	65.8
Total	Lumens	19468.0	0.0	19468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.6	2.0
10°-20°	1230.4	6.3
20°-30°	2003.9	10.3
30°-40°	2815.1	14.5
40°-50°	3852.1	19.8
50°-60°	4942.0	25.4
60°-70°	3327.8	17.1
70°-80°	831.9	4.3
80°-90°	81.1	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°	19468.0	100.0
0°-180°	19468.0	100.0

Coefficient of Utilization



REPORT NUMBER: P636335

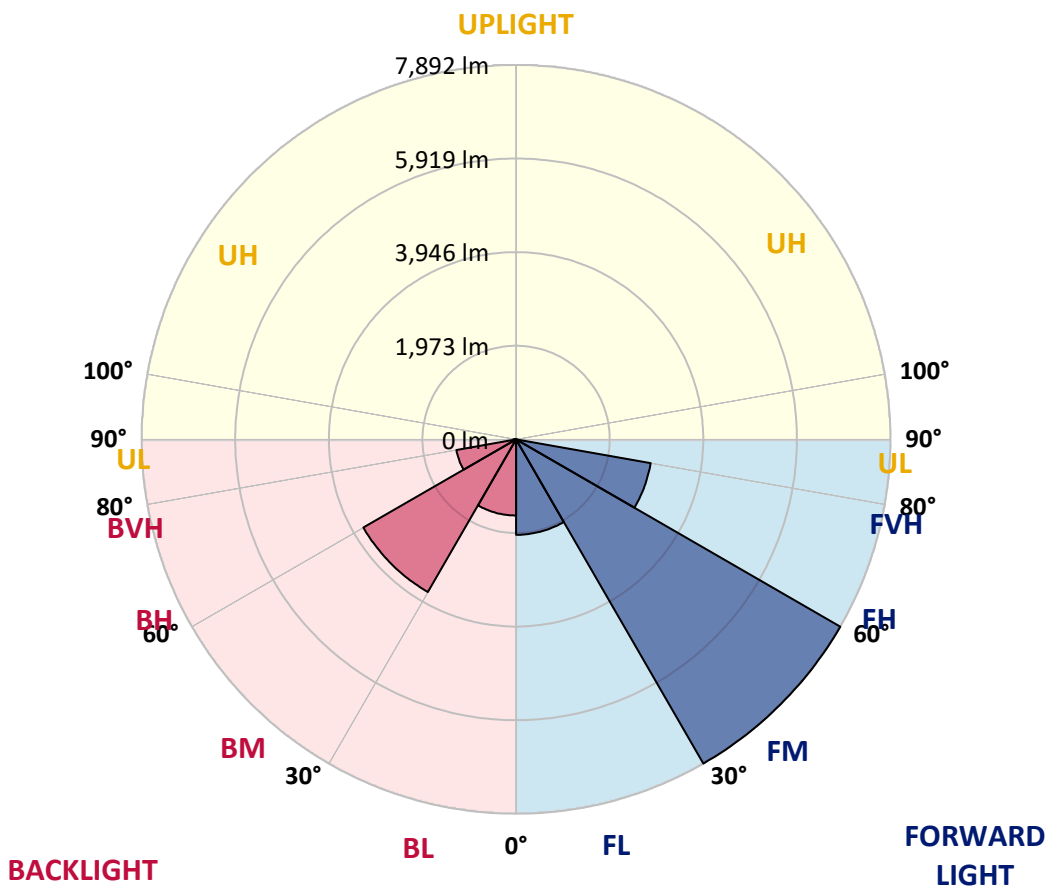
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2012.5	10.3			
FM (30°-60°)	7892.5	40.5			
FH (60°-80°)	2882.1	14.8			G2/5000
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	1605.4	8.2	B3/2500		
BM (30°-60°)	3716.7	19.1	B3/5000		
BH (60°-80°)	1277.7	6.6	B3/2500		G3/2500
BVH (80°-90°)	60.0	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: P636335

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5
2.5°	4154.2	4145.2	4136.3	4066.3	4048.4	3998.2	3962.3	3917.5	3853.0	3817.1	3786.6
5°	4414.2	4399.8	4351.4	4208.0	4114.7	4012.5	3928.3	3835.0	3736.4	3671.9	3621.7
7.5°	4659.8	4656.2	4573.7	4337.1	4186.5	4039.4	3924.7	3788.4	3646.8	3550.0	3485.4
10°	4887.5	4860.6	4762.0	4453.6	4256.4	4087.9	3964.1	3813.5	3648.6	3517.7	3431.6
12.5°	5088.3	5054.2	4918.0	4561.2	4317.3	4109.4	3974.9	3851.2	3741.8	3632.5	3533.8
15°	5253.2	5212.0	5074.0	4661.6	4371.1	4096.8	3908.6	3811.7	3849.4	3897.8	3788.4
17.5°	5407.4	5364.4	5195.9	4735.1	4387.3	4019.7	3745.4	3704.2	3894.2	4114.7	4064.5
20°	5536.5	5488.1	5292.7	4771.0	4358.6	3872.7	3533.8	3605.6	3856.6	4120.1	4200.8
22.5°	5676.4	5636.9	5402.1	4822.9	4322.7	3670.1	3356.3	3532.0	3792.0	4023.3	4145.2
25°	5900.5	5852.1	5572.4	4914.4	4304.8	3480.1	3229.0	3460.3	3702.4	3912.1	4007.2
27.5°	6225.0	6135.4	5805.5	5074.0	4324.5	3300.8	3148.4	3372.5	3598.4	3777.7	3854.8
30°	6578.2	6470.6	6063.6	5238.9	4353.2	3191.4	3105.3	3272.1	3438.8	3618.1	3702.4
32.5°	6996.0	6900.9	6339.8	5362.6	4292.2	3141.2	3073.1	3162.7	3295.4	3438.8	3508.7
35°	7494.4	7324.1	6641.0	5463.0	4095.0	3067.7	3044.4	3042.6	3112.5	3252.4	3331.2
37.5°	8030.5	7847.6	7012.1	5570.6	3788.4	2951.1	2976.2	2900.9	2965.5	3076.6	3166.3
40°	8469.7	8277.9	7386.8	5717.6	3404.7	2768.3	2825.6	2745.0	2784.4	2899.1	2999.6
42.5°	8900.0	8695.6	7736.4	5884.4	3033.6	2589.0	2617.7	2587.2	2599.7	2719.9	2859.7
45°	9464.8	9235.3	8166.7	6002.7	2700.1	2447.3	2420.4	2368.4	2434.8	2590.8	2739.6
47.5°	10407.9	10133.6	8871.4	6079.8	2458.1	2366.7	2242.9	2212.5	2294.9	2468.8	2623.0
50°	11510.5	11273.9	9997.3	6076.2	2277.0	2298.5	2070.8	2043.9	2180.2	2355.9	2519.0
52.5°	12414.2	12173.9	10960.1	5896.9	2128.2	2153.3	1970.4	1895.1	2081.6	2244.7	2407.9
55°	13143.9	12873.1	11403.0	5147.5	1939.9	1922.0	1861.0	1723.0	1957.9	2133.6	2286.0
57.5°	12751.2	12428.5	10866.9	3913.9	1746.3	1633.3	1672.8	1570.6	1789.3	2009.9	2156.9
60°	10691.2	10400.7	8828.3	2083.4	1536.5	1364.4	1446.9	1463.0	1604.7	1861.0	2011.7
62.5°	7343.8	7132.2	5983.0	1264.0	1212.0	1095.5	1224.6	1341.1	1446.9	1663.8	1794.7
65°	3593.0	3530.3	2992.4	810.4	848.0	885.7	1014.8	1156.4	1312.4	1502.5	1640.5
67.5°	989.7	996.9	907.2	632.9	668.8	772.7	874.9	987.9	1143.9	1319.6	1459.4
70°	435.7	442.9	457.2	487.7	555.8	650.8	756.6	873.2	1016.6	1163.6	1298.1
72.5°	303.0	310.2	331.7	371.1	432.1	521.7	622.1	733.3	882.1	1005.8	1117.0
75°	186.5	191.8	211.6	245.6	286.9	355.0	453.6	555.8	686.7	799.6	898.3
77.5°	98.6	95.0	107.6	130.9	166.7	202.6	268.9	333.5	426.7	518.2	600.6
80°	53.8	52.0	59.2	71.7	82.5	111.2	156.0	199.0	252.8	304.8	349.6
82.5°	23.3	21.5	23.3	30.5	37.7	53.8	78.9	109.4	139.8	175.7	204.4
85°	0.0	0.0	0.0	1.8	9.0	14.3	26.9	39.4	57.4	78.9	96.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	16.1
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: P636335

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5
2.5°	3768.7	3723.9	3720.3	3684.4	3688.0	3689.8	3654.0	3639.6	3652.2	3666.5	3659.3
5°	3603.8	3557.1	3537.4	3503.4	3499.8	3483.6	3469.3	3451.4	3463.9	3476.5	3483.6
7.5°	3460.3	3429.9	3417.3	3408.3	3411.9	3404.7	3376.1	3359.9	3358.1	3363.5	3370.7
10°	3413.7	3388.6	3404.7	3429.9	3447.8	3460.3	3429.9	3403.0	3377.9	3367.1	3367.1
12.5°	3514.1	3481.8	3514.1	3541.0	3576.9	3585.8	3551.8	3523.1	3514.1	3524.9	3546.4
15°	3736.4	3661.1	3659.3	3675.5	3704.2	3718.5	3686.2	3671.9	3671.9	3740.0	3793.8
17.5°	3958.8	3835.0	3783.1	3774.1	3792.0	3797.4	3770.5	3758.0	3790.2	3922.9	4023.3
20°	4114.7	3964.1	3851.2	3829.7	3835.0	3836.8	3815.3	3806.4	3853.0	4014.3	4098.6
22.5°	4098.6	3987.4	3849.4	3822.5	3831.5	3827.9	3808.2	3804.6	3842.2	3982.1	4021.5
25°	3987.4	3901.4	3784.8	3766.9	3781.3	3779.5	3759.7	3750.8	3766.9	3860.2	3863.7
27.5°	3860.2	3784.8	3684.4	3679.1	3702.4	3714.9	3680.9	3654.0	3648.6	3711.3	3697.0
30°	3707.8	3652.2	3571.5	3575.1	3618.1	3625.3	3584.0	3544.6	3533.8	3567.9	3548.2
32.5°	3526.7	3508.7	3465.7	3474.7	3515.9	3530.3	3487.2	3446.0	3433.4	3444.2	3403.0
35°	3372.5	3365.3	3368.9	3385.0	3420.9	3431.6	3395.8	3363.5	3345.6	3307.9	3254.1
37.5°	3212.9	3232.6	3284.6	3315.1	3334.8	3331.2	3311.5	3288.2	3259.5	3189.6	3123.3
40°	3064.1	3114.3	3207.5	3241.6	3248.8	3250.6	3236.2	3216.5	3180.6	3087.4	3012.1
42.5°	2949.3	3004.9	3128.6	3180.6	3184.2	3187.8	3173.5	3157.3	3107.1	2983.4	2909.9
45°	2829.2	2902.7	3048.0	3110.7	3107.1	3105.3	3092.8	3085.6	3026.4	2883.0	2802.3
47.5°	2727.0	2813.1	2969.1	3022.9	3021.1	3019.3	3010.3	3010.3	2951.1	2795.2	2703.7
50°	2626.6	2725.2	2888.4	2933.2	2936.8	2933.2	2929.6	2935.0	2865.1	2698.3	2608.7
52.5°	2517.3	2628.4	2798.7	2840.0	2861.5	2870.5	2870.5	2857.9	2775.4	2601.5	2502.9
55°	2397.1	2502.9	2700.1	2755.7	2773.6	2789.8	2789.8	2764.7	2687.6	2511.9	2406.1
57.5°	2248.3	2341.5	2497.5	2553.1	2596.1	2606.9	2606.9	2565.7	2502.9	2334.4	2248.3
60°	2087.0	2167.6	2273.4	2332.6	2364.9	2343.3	2359.5	2348.7	2298.5	2142.5	2070.8
62.5°	1871.8	1954.3	2070.8	2131.8	2146.1	2124.6	2146.1	2144.3	2076.2	1936.4	1850.3
65°	1717.6	1798.3	1913.0	1991.9	2015.2	2009.9	2024.2	2002.7	1918.4	1785.7	1703.3
67.5°	1534.7	1620.8	1753.5	1841.3	1889.7	1895.1	1914.8	1870.0	1784.0	1638.7	1534.7
70°	1360.8	1434.3	1536.5	1619.0	1687.1	1721.2	1724.8	1660.2	1552.7	1432.5	1357.2
72.5°	1177.9	1253.2	1377.0	1466.6	1552.7	1592.1	1592.1	1513.2	1396.7	1264.0	1183.3
75°	955.6	1025.5	1138.5	1235.3	1333.9	1384.1	1382.3	1314.2	1185.1	1059.6	975.3
77.5°	647.2	699.2	771.0	844.5	858.8	898.3	918.0	831.9	760.2	692.1	616.8
80°	376.5	408.8	448.2	489.5	498.4	511.0	478.7	446.4	408.8	364.0	329.9
82.5°	220.5	242.0	261.8	294.0	299.4	303.0	274.3	260.0	229.5	202.6	181.1
85°	107.6	114.7	132.7	148.8	141.6	138.1	125.5	111.2	98.6	87.9	77.1
87.5°	21.5	21.5	32.3	30.5	25.1	21.5	12.6	16.1	3.6	3.6	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°	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5
2.5°	3682.7	3713.1	3750.8	3801.0	3858.4	3919.3	3978.5	4023.3	4068.1	4134.5	4123.7
5°	3494.4	3546.4	3605.6	3682.7	3775.9	3881.7	4000.0	4118.3	4245.6	4353.2	4399.8
7.5°	3385.0	3442.4	3512.3	3612.7	3732.9	3861.9	4028.7	4220.5	4426.7	4568.4	4656.2
10°	3385.0	3458.5	3550.0	3646.8	3752.6	3885.3	4091.4	4331.7	4597.0	4783.5	4885.7
12.5°	3580.5	3654.0	3673.7	3670.1	3729.3	3876.3	4141.6	4448.2	4765.6	4962.8	5088.3
15°	3885.3	3910.4	3761.5	3625.3	3634.2	3811.7	4164.9	4541.5	4910.8	5147.5	5283.7
17.5°	4089.6	4023.3	3758.0	3519.5	3469.3	3702.4	4164.9	4631.1	5065.0	5332.1	5459.4
20°	4105.8	3940.8	3666.5	3417.3	3288.2	3557.1	4136.3	4699.2	5213.8	5509.6	5645.9
22.5°	3964.1	3801.0	3569.7	3329.4	3139.4	3381.4	4089.6	4751.2	5341.1	5676.4	5844.9
25°	3802.8	3666.5	3471.1	3239.8	3037.2	3203.9	4046.6	4839.1	5518.6	5902.3	6072.6
27.5°	3645.0	3530.3	3352.8	3164.5	2979.8	3049.8	4019.7	4968.2	5730.2	6223.2	6370.2
30°	3490.8	3386.8	3225.5	3092.8	2949.3	2949.3	3996.4	5117.0	6009.9	6583.6	6730.6
32.5°	3334.8	3236.2	3105.3	3022.9	2931.4	2909.9	3931.9	5256.8	6298.5	6978.0	7128.6
35°	3189.6	3091.0	2990.6	2956.5	2922.5	2879.4	3772.3	5366.2	6580.0	7438.8	7567.9
37.5°	3053.3	2958.3	2883.0	2874.0	2877.6	2797.0	3521.3	5457.6	6931.4	7910.4	7978.5
40°	2935.0	2829.2	2770.1	2768.3	2786.2	2664.3	3203.9	5588.5	7333.0	8310.2	8281.5
42.5°	2829.2	2718.1	2646.3	2662.5	2651.7	2531.6	2893.8	5708.6	7682.7	8684.9	8627.5
45°	2725.2	2617.7	2517.3	2540.6	2528.0	2449.1	2630.2	5796.5	8069.9	9134.9	9142.1
47.5°	2624.8	2519.0	2418.6	2390.0	2388.2	2424.0	2427.6	5825.2	8701.0	9859.3	9696.1
50°	2531.6	2425.8	2321.8	2225.0	2262.7	2373.8	2277.0	5803.7	9645.9	10658.9	10203.5
52.5°	2434.8	2334.4	2219.6	2045.7	2144.3	2253.7	2142.5	5726.6	10223.2	11365.3	11092.8
55°	2323.6	2228.6	2072.6	1861.0	1981.2	2004.5	2004.5	4980.7	10468.8	12064.5	12233.1
57.5°	2174.8	2049.3	1801.9	1631.6	1739.1	1649.5	1857.5	3485.4	10063.6	11844.0	12498.4
60°	2006.3	1871.8	1610.0	1488.1	1520.4	1362.6	1583.1	2185.6	8340.7	10078.0	11211.1
62.5°	1784.0	1660.2	1443.3	1348.3	1281.9	1111.6	1274.8	1382.3	5717.6	7483.6	8256.4
65°	1635.1	1498.9	1305.2	1179.7	1043.5	894.7	846.3	907.2	3074.9	4188.3	4710.0
67.5°	1459.4	1325.0	1142.1	984.3	874.9	767.4	683.1	661.6	1054.2	1394.9	1509.6
70°	1292.7	1163.6	1011.2	864.2	754.8	649.0	566.6	507.4	487.7	484.1	476.9
72.5°	1122.4	1002.2	874.9	738.7	618.6	521.7	448.2	380.1	351.4	342.4	333.5
75°	919.8	824.7	697.4	550.4	453.6	364.0	306.6	261.8	236.7	227.7	216.9
77.5°	591.7	548.6	437.5	355.0	274.3	216.9	186.5	157.8	141.6	138.1	129.1
80°	315.6	294.0	242.0	204.4	163.2	132.7	116.5	100.4	91.4	87.9	84.3
82.5°	175.7	159.6	134.5	118.3	95.0	80.7	71.7	64.5	59.2	57.4	55.6
85°	78.9	68.1	53.8	50.2	44.8	41.2	39.4	35.9	34.1	32.3	30.5
87.5°	3.6	7.2	9.0	7.2	7.2	10.8	12.6	12.6	10.8	10.8	9.0
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: P636335

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5	3926.5
2.5°	4190.0	4243.8	4249.2	4267.1	4243.8	4238.5	4200.8	4179.3	4159.6	4154.2
5°	4516.4	4623.9	4667.0	4697.4	4668.8	4654.4	4571.9	4485.9	4437.5	4414.2
7.5°	4851.6	5013.0	5097.3	5134.9	5138.5	5074.0	4932.3	4771.0	4690.3	4659.8
10°	5151.1	5350.1	5461.2	5532.9	5507.8	5429.0	5235.3	5016.6	4914.4	4887.5
12.5°	5373.4	5563.4	5649.5	5696.1	5694.3	5651.3	5468.4	5231.7	5115.2	5088.3
15°	5516.8	5629.8	5635.1	5645.9	5676.4	5733.7	5638.7	5420.0	5290.9	5253.2
17.5°	5629.8	5584.9	5500.7	5472.0	5540.1	5699.7	5757.1	5579.6	5439.7	5407.4
20°	5701.5	5475.6	5326.8	5271.2	5350.1	5610.0	5828.8	5723.0	5577.8	5536.5
22.5°	5757.1	5373.4	5133.1	5095.5	5177.9	5513.2	5902.3	5893.3	5733.7	5676.4
25°	5844.9	5305.2	4996.9	4970.0	5047.1	5466.6	6000.9	6124.6	5983.0	5900.5
27.5°	5983.0	5298.1	4926.9	4918.0	5023.8	5507.8	6142.5	6463.5	6286.0	6225.0
30°	6174.8	5366.2	4943.1	4961.0	5090.1	5656.7	6363.1	6850.7	6673.2	6578.2
32.5°	6450.9	5549.1	5188.7	5265.8	5360.8	5895.1	6685.8	7270.3	7135.8	6996.0
35°	6814.9	6051.1	5914.8	6242.9	6153.3	6416.9	7074.9	7779.5	7616.3	7494.4
37.5°	7300.8	7080.2	7205.7	7657.5	7440.6	7403.0	7550.0	8242.0	8152.4	8030.5
40°	7982.1	8026.9	8258.2	8851.6	8537.9	8295.8	8132.7	8589.9	8620.3	8469.7
42.5°	8433.9	8640.1	9197.7	9871.8	9439.7	8860.6	8620.3	9034.5	9036.3	8900.0
45°	8602.4	9142.1	10307.5	11083.8	10361.3	9183.3	8889.3	9638.7	9620.8	9464.8
47.5°	8541.5	9565.2	11460.3	12647.2	11544.6	9412.8	8851.6	10499.3	10644.5	10407.9
50°	8414.2	9990.1	12806.8	14562.1	12996.9	9656.7	8794.3	11453.2	11693.4	11510.5
52.5°	8543.3	10463.5	14398.9	16541.5	14818.5	10045.7	9181.5	12677.7	12634.7	12414.2
55°	8952.0	11022.9	16333.5	19028.2	16819.4	10703.7	10176.6	13844.9	13407.4	13143.9
57.5°	8932.3	11422.7	18029.6	20995.1	18560.3	11243.4	10522.6	13968.6	13084.7	12751.2
60°	8107.6	11239.8	18675.0	22239.3	19085.6	10945.8	9384.1	12476.9	11040.8	10691.2
62.5°	6051.1	9974.0	17423.6	20681.3	17599.3	9454.1	7056.9	8955.6	7933.7	7343.8
65°	3870.9	7802.8	14648.1	16754.8	14506.5	7230.8	4202.6	4801.4	3761.5	3593.0
67.5°	1647.7	5507.8	11386.8	11198.6	10852.5	4684.9	1622.6	1351.9	1007.6	989.7
70°	545.0	3747.2	7019.3	7469.3	6481.4	3227.3	536.1	453.6	451.8	435.7
72.5°	356.8	2011.7	3951.6	4399.8	4170.3	1857.5	324.5	303.0	310.2	303.0
75°	213.4	437.5	665.2	864.2	665.2	312.0	195.4	191.8	195.4	186.5
77.5°	125.5	121.9	118.3	118.3	116.5	107.6	98.6	95.0	96.8	98.6
80°	80.7	77.1	73.5	71.7	62.8	59.2	55.6	52.0	52.0	53.8
82.5°	52.0	48.4	44.8	39.4	32.3	26.9	25.1	21.5	21.5	23.3
85°	26.9	21.5	16.1	12.6	7.2	3.6	0.0	0.0	0.0	0.0
87.5°	5.4	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)