

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: P637820

Luminaire Tested: GWS-SA4D-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637820  
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-SA4D-750-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

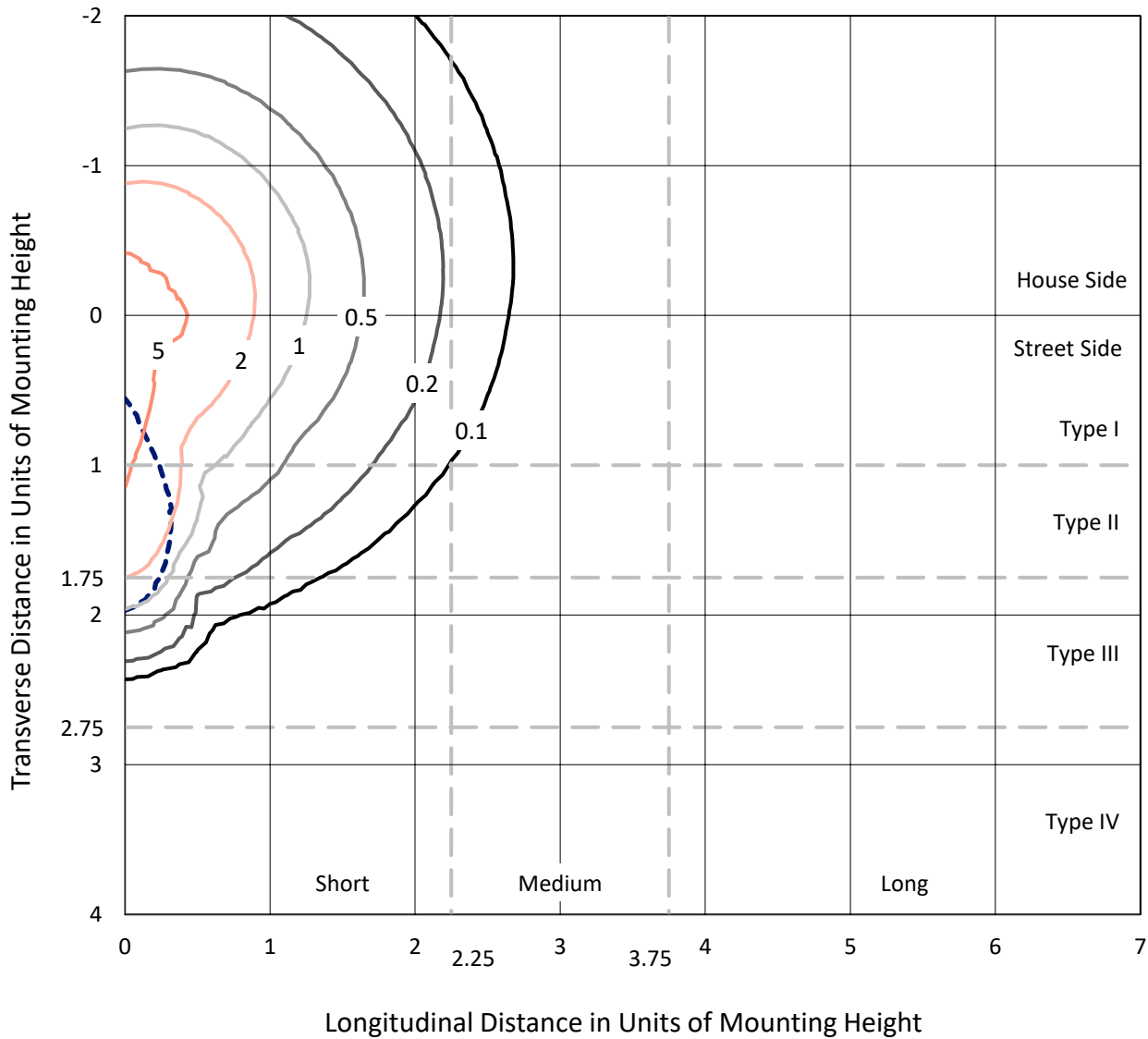
Lumens per Lamp: N/A  
Luminaire Lumens: 19498.5 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): 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

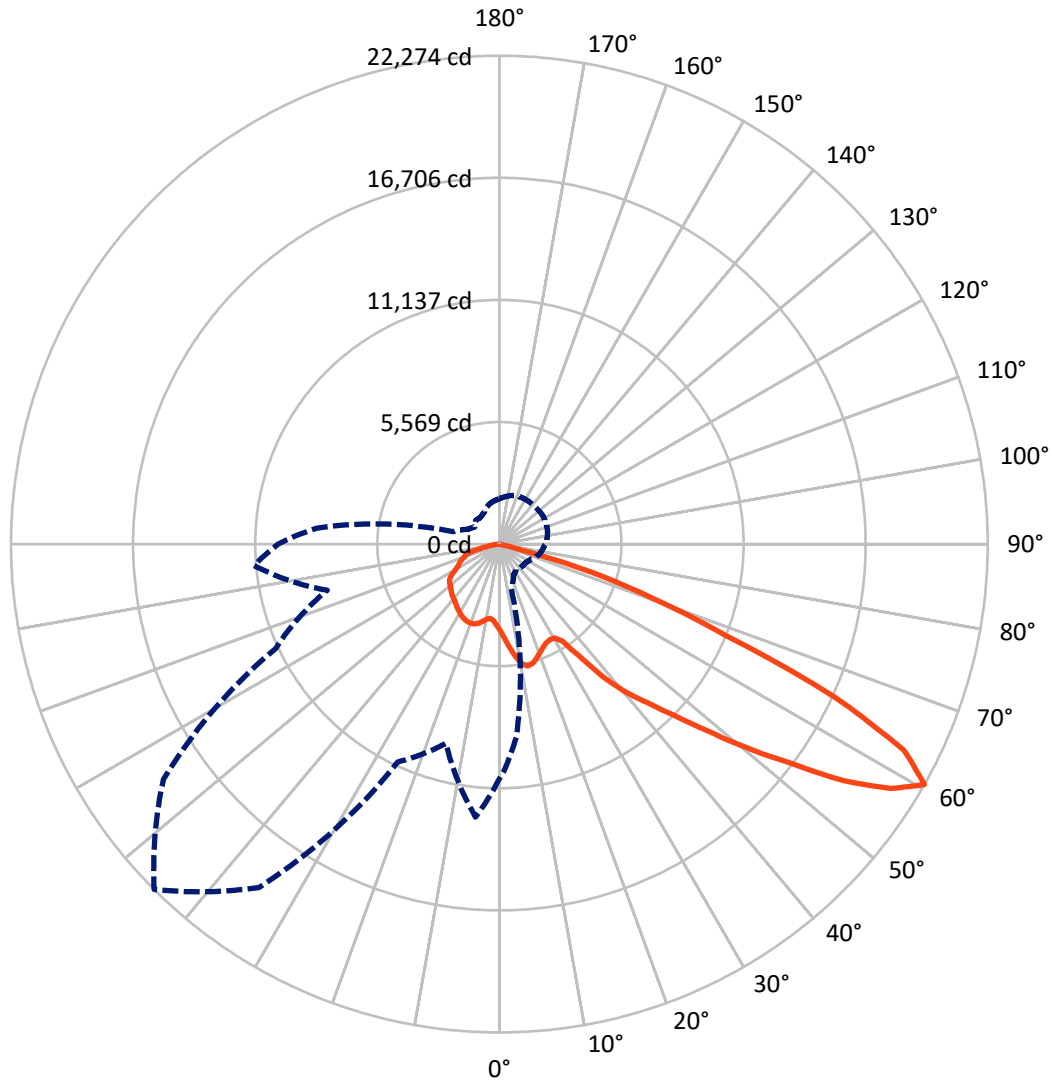
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6670.3	0.0	6670.3
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	12828.2	0.0	12828.2
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	19498.5	0.0	19498.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.2	2.0
10°-20°	1232.4	6.3
20°-30°	2007.0	10.3
30°-40°	2819.5	14.5
40°-50°	3858.1	19.8
50°-60°	4949.8	25.4
60°-70°	3333.0	17.1
70°-80°	833.3	4.3
80°-90°	81.2	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°	19498.5	100.0
0°-180°	19498.5	100.0

**Coefficient of Utilization**



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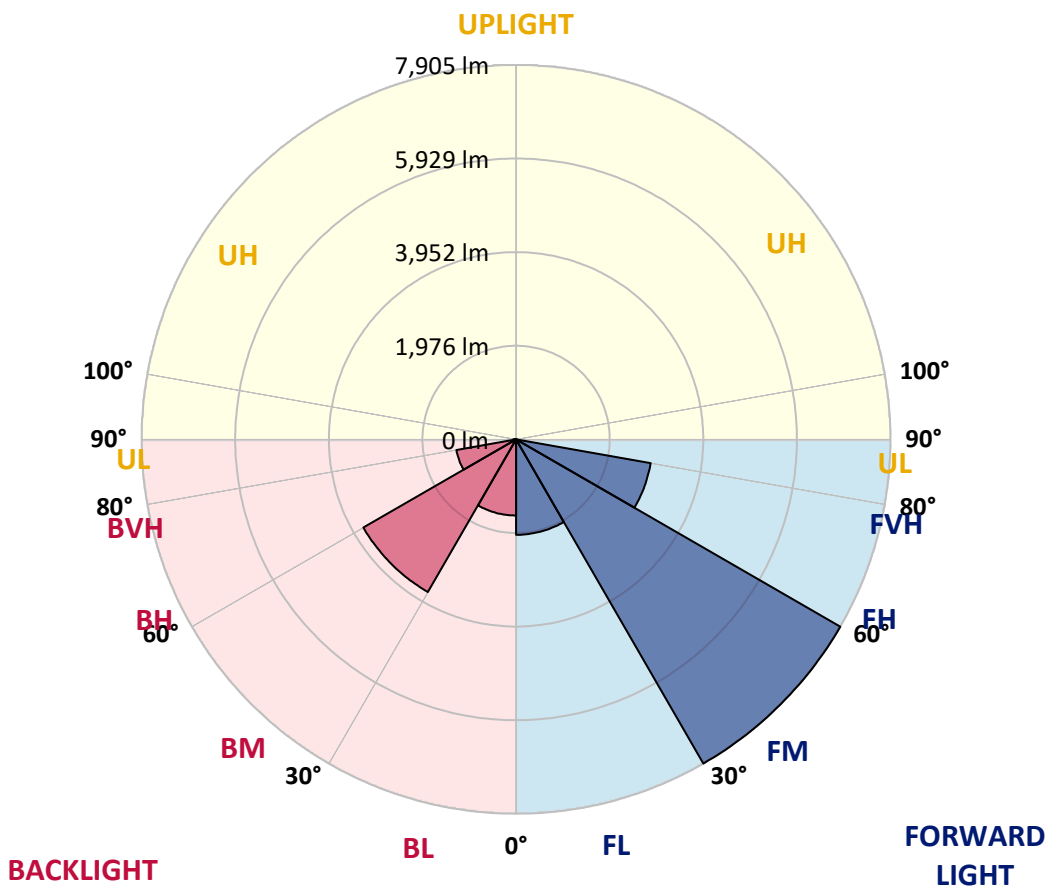
CATALOG NUMBER: GWS-SA4D-750-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2015.7	10.3			
FM (30°-60°)	7904.9	40.5			
FH (60°-80°)	2886.6	14.8			G2/5000
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	1607.9	8.2	B3/2500		
BM (30°-60°)	3722.5	19.1	B3/5000		
BH (60°-80°)	1279.7	6.6	B3/2500		G3/2500
BVH (80°-90°)	60.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6
2.5°	4160.7	4151.7	4142.7	4072.7	4054.7	4004.5	3968.6	3923.7	3859.0	3823.1	3792.6
5°	4421.1	4406.7	4358.2	4214.6	4121.2	4018.8	3934.4	3841.1	3742.3	3677.6	3627.4
7.5°	4667.1	4663.5	4580.9	4343.9	4193.0	4045.8	3930.8	3794.4	3652.5	3555.5	3490.9
10°	4895.1	4868.2	4769.4	4460.6	4263.1	4094.3	3970.4	3819.5	3654.3	3523.2	3437.0
12.5°	5096.3	5062.2	4925.7	4568.3	4324.1	4115.8	3981.1	3857.2	3747.7	3638.1	3539.4
15°	5261.5	5220.2	5081.9	4668.9	4378.0	4103.2	3914.7	3817.7	3855.4	3903.9	3794.4
17.5°	5415.9	5372.8	5204.0	4742.5	4394.1	4026.0	3751.3	3710.0	3900.3	4121.2	4070.9
20°	5545.2	5496.7	5301.0	4778.4	4365.4	3878.8	3539.4	3611.2	3862.6	4126.6	4207.4
22.5°	5685.3	5645.8	5410.5	4830.5	4329.5	3675.9	3361.6	3537.6	3798.0	4029.6	4151.7
25°	5909.7	5861.3	5581.1	4922.1	4311.5	3485.5	3234.1	3465.8	3708.2	3918.3	4013.4
27.5°	6234.8	6145.0	5814.6	5081.9	4331.3	3305.9	3153.3	3377.8	3604.0	3783.6	3860.8
30°	6588.5	6480.8	6073.1	5247.1	4360.0	3196.4	3110.2	3277.2	3444.2	3623.8	3708.2
32.5°	7006.9	6911.7	6349.7	5371.0	4299.0	3146.1	3077.9	3167.7	3300.5	3444.2	3514.2
35°	7506.1	7335.5	6651.4	5471.6	4101.4	3072.5	3049.1	3047.3	3117.4	3257.4	3336.5
37.5°	8043.1	7859.9	7023.1	5579.3	3794.4	2955.8	2980.9	2905.5	2970.1	3081.5	3171.3
40°	8483.0	8290.9	7398.4	5726.6	3410.1	2772.6	2830.1	2749.3	2788.8	2903.7	3004.2
42.5°	8914.0	8709.3	7748.6	5893.6	3038.4	2593.0	2621.8	2591.2	2603.8	2724.1	2864.2
45°	9479.6	9249.8	8179.5	6012.1	2704.4	2451.2	2424.2	2372.2	2438.6	2594.8	2743.9
47.5°	10424.2	10149.4	8885.3	6089.3	2461.9	2370.4	2246.5	2215.9	2298.5	2472.7	2627.1
50°	11528.6	11291.5	10013.0	6085.7	2280.6	2302.1	2074.1	2047.1	2183.6	2359.6	2523.0
52.5°	12433.6	12193.0	10977.3	5906.1	2131.5	2156.7	1973.5	1898.1	2084.8	2248.2	2411.7
55°	13164.5	12893.3	11420.8	5155.5	1943.0	1925.0	1864.0	1725.7	1960.9	2136.9	2289.6
57.5°	12771.2	12448.0	10883.9	3920.1	1749.0	1635.9	1675.4	1573.1	1792.1	2013.0	2160.3
60°	10707.9	10417.0	8842.2	2086.6	1538.9	1366.5	1449.2	1465.3	1607.2	1864.0	2014.8
62.5°	7355.3	7143.4	5992.3	1266.0	1213.9	1097.2	1226.5	1343.2	1449.2	1666.4	1797.5
65°	3598.6	3535.8	2997.1	811.7	849.4	887.1	1016.4	1158.2	1314.5	1504.8	1643.1
67.5°	991.2	998.4	908.6	633.9	669.8	774.0	876.3	989.4	1145.7	1321.7	1461.7
70°	436.4	443.5	457.9	488.4	556.7	651.8	757.8	874.5	1018.2	1165.4	1300.1
72.5°	303.5	310.7	332.2	371.7	432.8	522.6	623.1	734.5	883.5	1007.4	1118.7
75°	186.8	192.1	211.9	246.0	287.3	355.6	454.3	556.7	687.8	800.9	899.7
77.5°	98.8	95.2	107.7	131.1	167.0	202.9	269.4	334.0	427.4	519.0	601.6
80°	53.9	52.1	59.3	71.8	82.6	111.3	156.2	199.3	253.2	305.3	350.2
82.5°	23.3	21.5	23.3	30.5	37.7	53.9	79.0	109.5	140.1	176.0	204.7
85°	0.0	0.0	0.0	1.8	9.0	14.4	26.9	39.5	57.5	79.0	97.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	16.2
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°	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6
2.5°	3774.6	3729.7	3726.1	3690.2	3693.8	3695.6	3659.7	3645.3	3657.9	3672.3	3665.1
5°	3609.4	3562.7	3543.0	3508.8	3505.3	3489.1	3474.7	3456.8	3469.3	3481.9	3489.1
7.5°	3465.8	3435.2	3422.7	3413.7	3417.3	3410.1	3381.4	3365.2	3363.4	3368.8	3376.0
10°	3419.1	3393.9	3410.1	3435.2	3453.2	3465.8	3435.2	3408.3	3383.1	3372.4	3372.4
12.5°	3519.6	3487.3	3519.6	3546.6	3582.5	3591.5	3557.3	3528.6	3519.6	3530.4	3551.9
15°	3742.3	3666.9	3665.1	3681.2	3710.0	3724.3	3692.0	3677.6	3677.6	3745.9	3799.8
17.5°	3965.0	3841.1	3789.0	3780.0	3798.0	3803.3	3776.4	3763.8	3796.2	3929.0	4029.6
20°	4121.2	3970.4	3857.2	3835.7	3841.1	3842.9	3821.3	3812.3	3859.0	4020.6	4105.0
22.5°	4105.0	3993.7	3855.4	3828.5	3837.5	3833.9	3814.1	3810.5	3848.2	3988.3	4027.8
25°	3993.7	3907.5	3790.8	3772.8	3787.2	3785.4	3765.6	3756.7	3772.8	3866.2	3869.8
27.5°	3866.2	3790.8	3690.2	3684.8	3708.2	3720.7	3686.6	3659.7	3654.3	3717.2	3702.8
30°	3713.6	3657.9	3577.1	3580.7	3623.8	3631.0	3589.7	3550.2	3539.4	3573.5	3553.7
32.5°	3532.2	3514.2	3471.1	3480.1	3521.4	3535.8	3492.7	3451.4	3438.8	3449.6	3408.3
35°	3377.8	3370.6	3374.2	3390.3	3426.2	3437.0	3401.1	3368.8	3350.8	3313.1	3259.2
37.5°	3217.9	3237.7	3289.8	3320.3	3340.1	3336.5	3316.7	3293.4	3264.6	3194.6	3128.2
40°	3068.9	3119.2	3212.6	3246.7	3253.9	3255.7	3241.3	3221.5	3185.6	3092.2	3016.8
42.5°	2954.0	3009.6	3133.5	3185.6	3189.2	3192.8	3178.4	3162.3	3112.0	2988.1	2914.5
45°	2833.7	2907.3	3052.7	3115.6	3112.0	3110.2	3097.6	3090.4	3031.2	2887.5	2806.7
47.5°	2731.3	2817.5	2973.7	3027.6	3025.8	3024.0	3015.0	3015.0	2955.8	2799.5	2708.0
50°	2630.7	2729.5	2892.9	2937.8	2941.4	2937.8	2934.2	2939.6	2869.6	2702.6	2612.8
52.5°	2521.2	2632.5	2803.1	2844.4	2866.0	2875.0	2875.0	2862.4	2779.8	2605.6	2506.8
55°	2400.9	2506.8	2704.4	2760.0	2778.0	2794.1	2794.1	2769.0	2691.8	2515.8	2409.9
57.5°	2251.8	2345.2	2501.4	2557.1	2600.2	2611.0	2611.0	2569.7	2506.8	2338.0	2251.8
60°	2090.2	2171.0	2277.0	2336.2	2368.6	2347.0	2363.2	2352.4	2302.1	2145.9	2074.1
62.5°	1874.7	1957.3	2074.1	2135.1	2149.5	2127.9	2149.5	2147.7	2079.5	1939.4	1853.2
65°	1720.3	1801.1	1916.0	1995.1	2018.4	2013.0	2027.4	2005.8	1921.4	1788.5	1705.9
67.5°	1537.1	1623.3	1756.2	1844.2	1892.7	1898.1	1917.8	1872.9	1786.7	1641.3	1537.1
70°	1363.0	1436.6	1538.9	1621.5	1689.8	1723.9	1727.5	1662.8	1555.1	1434.8	1359.4
72.5°	1179.8	1255.2	1379.1	1468.9	1555.1	1594.6	1594.6	1515.6	1398.9	1266.0	1185.2
75°	957.1	1027.2	1140.3	1237.3	1336.0	1386.3	1384.5	1316.3	1187.0	1061.3	976.9
77.5°	648.3	700.3	772.2	845.8	860.2	899.7	919.4	833.2	761.4	693.2	617.7
80°	377.1	409.4	448.9	490.2	499.2	511.8	479.5	447.1	409.4	364.5	330.4
82.5°	220.9	242.4	262.2	294.5	299.9	303.5	274.7	260.4	229.9	202.9	181.4
85°	107.7	114.9	132.9	149.0	141.9	138.3	125.7	111.3	98.8	88.0	77.2
87.5°	21.5	21.5	32.3	30.5	25.1	21.5	12.6	16.2	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°	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6
2.5°	3688.4	3718.9	3756.7	3806.9	3864.4	3925.5	3984.7	4029.6	4074.5	4140.9	4130.2
5°	3499.9	3551.9	3611.2	3688.4	3781.8	3887.7	4006.3	4124.8	4252.3	4360.0	4406.7
7.5°	3390.3	3447.8	3517.8	3618.4	3738.7	3868.0	4035.0	4227.1	4433.6	4575.5	4663.5
10°	3390.3	3464.0	3555.5	3652.5	3758.5	3891.3	4097.8	4338.5	4604.2	4791.0	4893.4
12.5°	3586.1	3659.7	3679.4	3675.9	3735.1	3882.4	4148.1	4455.2	4773.0	4970.6	5096.3
15°	3891.3	3916.5	3767.4	3631.0	3639.9	3817.7	4171.5	4548.6	4918.5	5155.5	5292.0
17.5°	4096.1	4029.6	3763.8	3525.0	3474.7	3708.2	4171.5	4638.4	5072.9	5340.5	5468.0
20°	4112.2	3947.0	3672.3	3422.7	3293.4	3562.7	4142.7	4706.6	5222.0	5518.3	5654.7
22.5°	3970.4	3806.9	3575.3	3334.7	3144.3	3386.7	4096.1	4758.7	5349.5	5685.3	5854.1
25°	3808.7	3672.3	3476.5	3244.9	3042.0	3209.0	4053.0	4846.7	5527.2	5911.5	6082.1
27.5°	3650.7	3535.8	3358.0	3169.5	2984.5	3054.5	4026.0	4976.0	5739.1	6233.0	6380.2
30°	3496.3	3392.1	3230.5	3097.6	2954.0	2954.0	4002.7	5125.0	6019.3	6593.9	6741.2
32.5°	3340.1	3241.3	3110.2	3027.6	2936.0	2914.5	3938.0	5265.1	6308.4	6989.0	7139.8
35°	3194.6	3095.8	2995.3	2961.2	2927.0	2883.9	3778.2	5374.6	6590.3	7450.5	7579.8
37.5°	3058.1	2962.9	2887.5	2878.5	2882.1	2801.3	3526.8	5466.2	6942.3	7922.7	7991.0
40°	2939.6	2833.7	2774.4	2772.6	2790.6	2668.4	3209.0	5597.3	7344.5	8323.2	8294.5
42.5°	2833.7	2722.3	2650.5	2666.7	2655.9	2535.6	2898.3	5717.6	7694.7	8698.5	8641.0
45°	2729.5	2621.8	2521.2	2544.5	2532.0	2453.0	2634.3	5805.6	8082.6	9149.2	9156.4
47.5°	2628.9	2523.0	2422.4	2393.7	2391.9	2427.8	2431.4	5834.3	8714.7	9874.7	9711.3
50°	2535.6	2429.6	2325.5	2228.5	2266.2	2377.5	2280.6	5812.8	9661.0	10675.6	10219.5
52.5°	2438.6	2338.0	2223.1	2048.9	2147.7	2257.2	2145.9	5735.5	10239.2	11383.1	11110.2
55°	2327.3	2232.1	2075.9	1864.0	1984.3	2007.6	2007.6	4988.5	10485.2	12083.4	12252.2
57.5°	2178.2	2052.5	1804.7	1634.1	1741.9	1652.1	1860.4	3490.9	10079.4	11862.6	12518.0
60°	2009.4	1874.7	1612.6	1490.5	1522.8	1364.8	1585.6	2189.0	8353.7	10093.8	11228.7
62.5°	1786.7	1662.8	1445.6	1350.4	1283.9	1113.4	1276.8	1384.5	5726.6	7495.4	8269.3
65°	1637.7	1501.2	1307.3	1181.6	1045.1	896.1	847.6	908.6	3079.7	4194.8	4717.4
67.5°	1461.7	1327.0	1143.9	985.9	876.3	768.6	684.2	662.6	1055.9	1397.1	1512.0
70°	1294.7	1165.4	1012.8	865.5	756.0	650.1	567.4	508.2	488.4	484.8	477.7
72.5°	1124.1	1003.8	876.3	739.8	619.5	522.6	448.9	380.7	352.0	343.0	334.0
75°	921.2	826.0	698.5	551.3	454.3	364.5	307.1	262.2	237.0	228.1	217.3
77.5°	592.6	549.5	438.2	355.6	274.7	217.3	186.8	158.0	141.9	138.3	129.3
80°	316.0	294.5	242.4	204.7	163.4	132.9	116.7	100.6	91.6	88.0	84.4
82.5°	176.0	159.8	134.7	118.5	95.2	80.8	71.8	64.6	59.3	57.5	55.7
85°	79.0	68.2	53.9	50.3	44.9	41.3	39.5	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: P637820

CATALOG NUMBER: GWS-SA4D-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6	3932.6
2.5°	4196.6	4250.5	4255.9	4273.8	4250.5	4245.1	4207.4	4185.8	4166.1	4160.7
5°	4523.4	4631.2	4674.3	4704.8	4676.1	4661.7	4579.1	4492.9	4444.4	4421.1
7.5°	4859.2	5020.9	5105.2	5143.0	5146.6	5081.9	4940.0	4778.4	4697.6	4667.1
10°	5159.1	5358.4	5469.8	5541.6	5516.5	5437.5	5243.5	5024.4	4922.1	4895.1
12.5°	5381.8	5572.1	5658.3	5705.0	5703.2	5660.1	5477.0	5239.9	5123.2	5096.3
15°	5525.4	5638.6	5644.0	5654.7	5685.3	5742.7	5647.6	5428.5	5299.2	5261.5
17.5°	5638.6	5593.7	5509.3	5480.6	5548.8	5708.6	5766.1	5588.3	5448.2	5415.9
20°	5710.4	5484.1	5335.1	5279.4	5358.4	5618.8	5837.9	5732.0	5586.5	5545.2
22.5°	5766.1	5381.8	5141.2	5103.5	5186.1	5521.9	5911.5	5902.6	5742.7	5685.3
25°	5854.1	5313.6	5004.7	4977.8	5055.0	5475.2	6010.3	6134.2	5992.3	5909.7
27.5°	5992.3	5306.4	4934.7	4925.7	5031.6	5516.5	6152.2	6473.6	6295.8	6234.8
30°	6184.5	5374.6	4950.8	4968.8	5098.1	5665.5	6373.0	6861.5	6683.7	6588.5
32.5°	6461.0	5557.8	5196.8	5274.0	5369.2	5904.3	6696.3	7281.7	7147.0	7006.9
35°	6825.6	6060.6	5924.1	6252.7	6162.9	6426.9	7085.9	7791.7	7628.2	7506.1
37.5°	7312.2	7091.3	7217.0	7669.5	7452.3	7414.6	7561.8	8255.0	8165.2	8043.1
40°	7994.6	8039.5	8271.1	8865.5	8551.2	8308.8	8145.4	8603.3	8633.9	8483.0
42.5°	8447.1	8653.6	9212.1	9887.3	9454.5	8874.5	8633.9	9048.7	9050.5	8914.0
45°	8615.9	9156.4	10323.6	11101.2	10377.5	9197.7	8903.2	9653.8	9635.9	9479.6
47.5°	8554.8	9580.2	11478.3	12667.1	11562.7	9427.6	8865.5	10515.8	10661.2	10424.2
50°	8427.3	10005.8	12826.9	14584.9	13017.2	9671.8	8808.0	11471.1	11711.7	11528.6
52.5°	8556.6	10479.9	14421.5	16567.4	14841.7	10061.5	9195.9	12697.6	12654.5	12433.6
55°	8966.1	11040.1	16359.1	19058.0	16845.7	10720.5	10192.5	13866.6	13428.4	13164.5
57.5°	8946.3	11440.6	18057.8	21028.0	18589.4	11261.0	10539.1	13990.5	13105.2	12771.2
60°	8120.3	11257.4	18704.3	22274.2	19115.5	10962.9	9398.8	12496.5	11058.1	10707.9
62.5°	6060.6	9989.6	17450.9	20713.7	17626.8	9468.9	7068.0	8969.7	7946.1	7355.3
65°	3877.0	7815.0	14671.1	16781.1	14529.2	7242.2	4209.2	4809.0	3767.4	3598.6
67.5°	1650.3	5516.5	11404.7	11216.1	10869.5	4692.2	1625.1	1354.0	1009.2	991.2
70°	545.9	3753.1	7030.3	7481.0	6491.5	3232.3	536.9	454.3	452.5	436.4
72.5°	357.3	2014.8	3957.8	4406.7	4176.9	1860.4	325.0	303.5	310.7	303.5
75°	213.7	438.2	666.2	865.5	666.2	312.5	195.7	192.1	195.7	186.8
77.5°	125.7	122.1	118.5	118.5	116.7	107.7	98.8	95.2	97.0	98.8
80°	80.8	77.2	73.6	71.8	62.9	59.3	55.7	52.1	52.1	53.9
82.5°	52.1	48.5	44.9	39.5	32.3	26.9	25.1	21.5	21.5	23.3
85°	26.9	21.5	16.2	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)