

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: P640350

Luminaire Tested: GWS-SA5D-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640350
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-SA5D-760-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23591.2 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

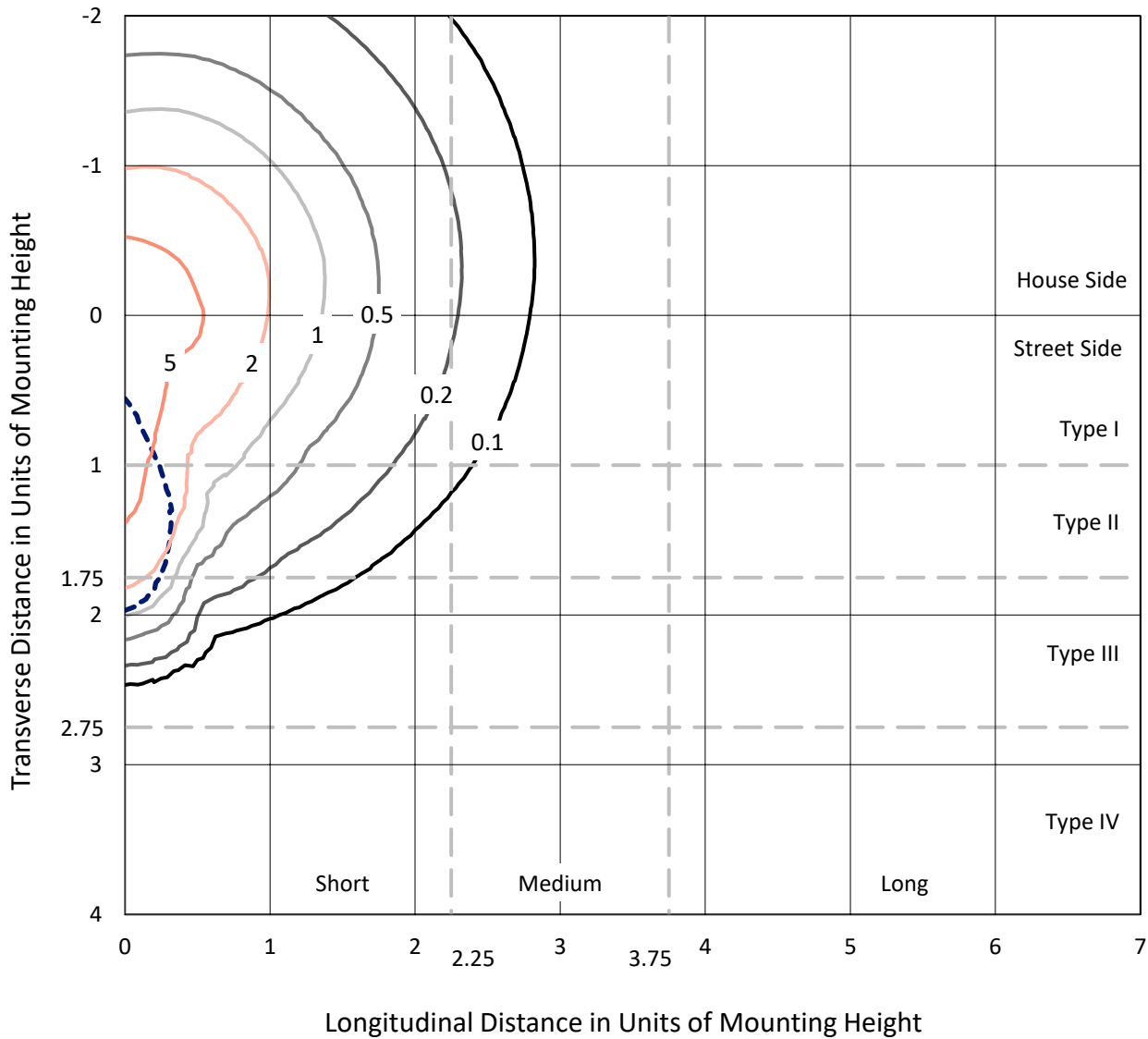
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640350
 CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

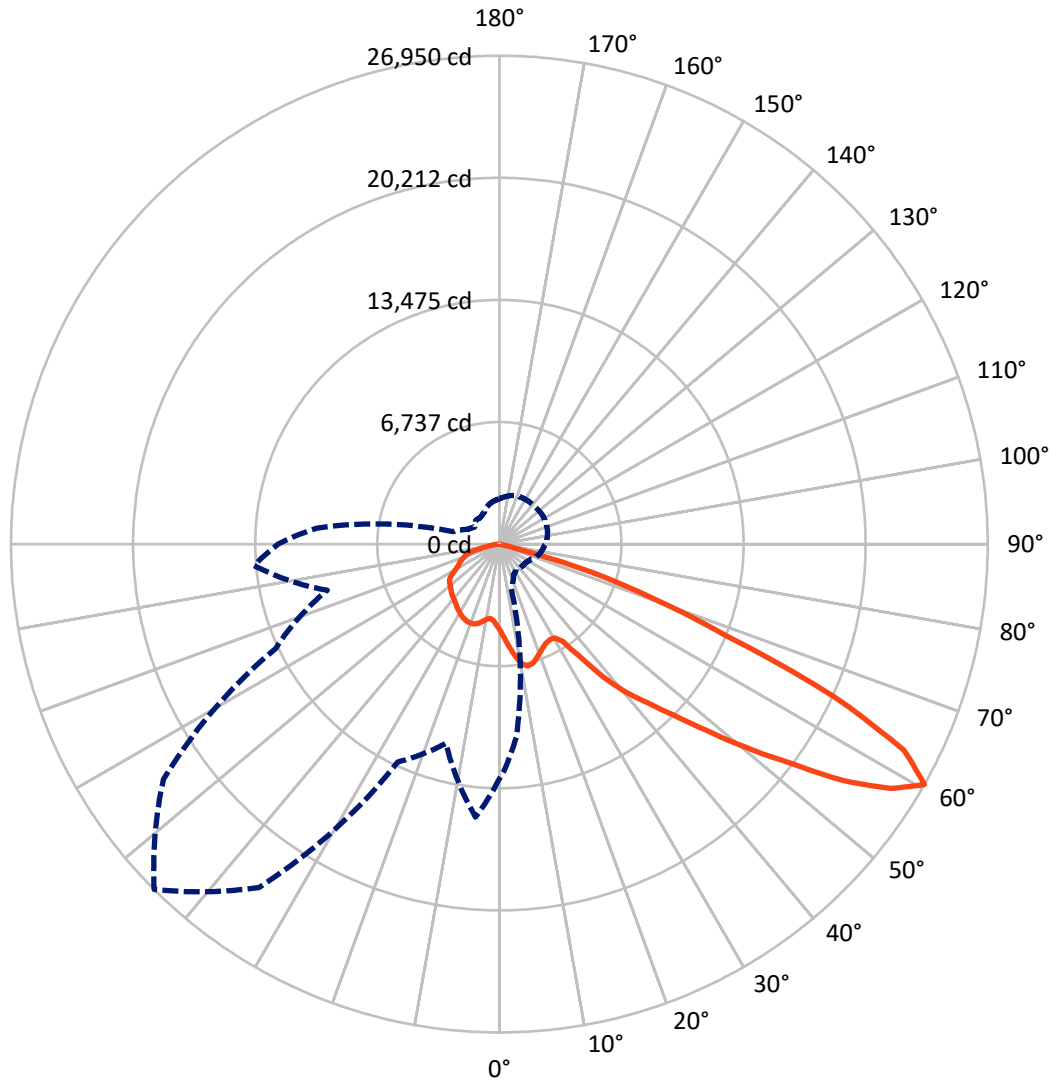
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

REPORT NUMBER: P640350
CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640350

CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8070.3	0.0	8070.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	15520.9	0.0	15520.9
	% Fixture	65.8	0.0	65.8
Total	Lumens	23591.2	0.0	23591.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.9	2.0
10°-20°	1491.0	6.3
20°-30°	2428.3	10.3
30°-40°	3411.3	14.5
40°-50°	4668.0	19.8
50°-60°	5988.7	25.4
60°-70°	4032.6	17.1
70°-80°	1008.1	4.3
80°-90°	98.3	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°	23591.2	100.0
0°-180°	23591.2	100.0

Coefficient of Utilization



REPORT NUMBER: P640350

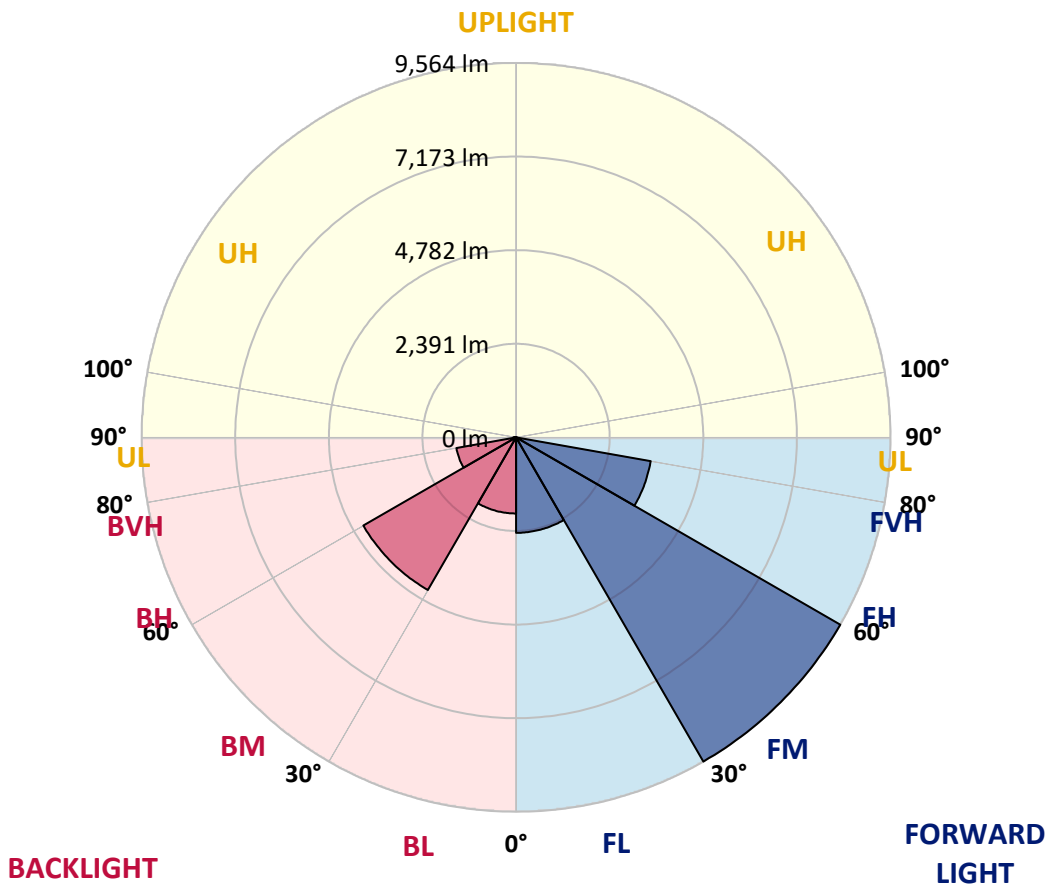
CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2438.8	10.3			
FM (30°-60°)	9564.1	40.5			
FH (60°-80°)	3492.5	14.8			G2/5000
FVH (80°-90°)	25.5	0.1			G1/100
BL (0°-30°)	1945.4	8.2	B3/2500		
BM (30°-60°)	4503.9	19.1	B3/5000		
BH (60°-80°)	1548.3	6.6	B3/2500		G3/2500
BVH (80°-90°)	72.7	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: P640350

CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1
2.5°	5034.0	5023.2	5012.3	4927.6	4905.8	4845.0	4801.5	4747.2	4669.0	4625.6	4588.6
5°	5349.1	5331.7	5273.0	5099.2	4986.2	4862.4	4760.3	4647.3	4527.8	4449.6	4388.7
7.5°	5646.7	5642.4	5542.4	5255.6	5073.1	4895.0	4755.9	4590.8	4419.2	4301.8	4223.6
10°	5922.6	5890.0	5770.5	5396.9	5157.9	4953.6	4803.7	4621.2	4421.3	4262.7	4158.4
12.5°	6166.0	6124.7	5959.6	5527.2	5231.7	4979.7	4816.8	4666.8	4534.3	4401.8	4282.3
15°	6365.9	6315.9	6148.6	5648.9	5296.9	4964.5	4736.4	4619.0	4664.7	4723.3	4590.8
17.5°	6552.7	6500.6	6296.3	5738.0	5316.5	4871.1	4538.7	4488.7	4719.0	4986.2	4925.4
20°	6709.1	6650.5	6413.7	5781.4	5281.7	4692.9	4282.3	4369.2	4673.4	4992.7	5090.5
22.5°	6878.6	6830.8	6546.2	5844.4	5238.2	4447.4	4067.2	4280.1	4595.1	4875.4	5023.2
25°	7150.2	7091.5	6752.6	5955.2	5216.5	4217.1	3912.9	4193.2	4486.5	4740.7	4855.9
27.5°	7543.4	7434.8	7035.0	6148.6	5240.4	3999.8	3815.2	4086.7	4360.5	4577.8	4671.2
30°	7971.4	7841.1	7347.9	6348.5	5275.2	3867.3	3763.0	3965.1	4167.1	4384.4	4486.5
32.5°	8477.7	8362.5	7682.5	6498.4	5201.3	3806.5	3723.9	3832.5	3993.3	4167.1	4251.9
35°	9081.7	8875.3	8047.5	6620.1	4962.3	3717.4	3689.2	3687.0	3771.7	3941.2	4036.8
37.5°	9731.3	9509.7	8497.2	6750.4	4590.8	3576.2	3606.6	3515.3	3593.6	3728.3	3836.9
40°	10263.6	10031.1	8951.3	6928.6	4125.9	3354.6	3424.1	3326.3	3374.1	3513.2	3634.8
42.5°	10785.0	10537.3	9375.0	7130.6	3676.1	3137.3	3172.1	3135.1	3150.3	3295.9	3465.4
45°	11469.4	11191.3	9896.4	7274.0	3272.0	2965.7	2933.1	2870.1	2950.5	3139.5	3319.8
47.5°	12612.2	12279.8	10750.3	7367.4	2978.7	2867.9	2718.0	2681.0	2781.0	2991.7	3178.6
50°	13948.4	13661.6	12114.7	7363.1	2759.3	2785.3	2509.4	2476.8	2641.9	2854.9	3052.6
52.5°	15043.4	14752.3	13281.4	7145.8	2578.9	2609.3	2387.7	2296.5	2522.4	2720.2	2917.9
55°	15927.7	15599.6	13818.0	6237.7	2350.8	2329.1	2255.2	2087.9	2372.5	2585.4	2770.1
57.5°	15451.9	15060.8	13168.4	4742.9	2116.2	1979.3	2027.1	1903.2	2168.3	2435.5	2613.7
60°	12955.5	12603.5	10698.1	2524.6	1862.0	1653.4	1753.3	1772.9	1944.5	2255.2	2437.7
62.5°	8899.2	8642.8	7250.1	1531.7	1468.7	1327.5	1483.9	1625.1	1753.3	2016.2	2174.8
65°	4354.0	4277.9	3626.1	982.0	1027.7	1073.3	1229.7	1401.4	1590.4	1820.7	1988.0
67.5°	1199.3	1208.0	1099.4	766.9	810.4	936.4	1060.3	1197.1	1386.1	1599.1	1768.5
70°	528.0	536.6	554.0	591.0	673.5	788.7	916.9	1058.1	1231.9	1410.0	1573.0
72.5°	367.2	375.9	401.9	449.7	523.6	632.2	753.9	888.6	1068.9	1218.9	1353.6
75°	226.0	232.5	256.4	297.7	347.6	430.2	549.7	673.5	832.1	969.0	1088.5
77.5°	119.5	115.2	130.4	158.6	202.1	245.5	325.9	404.1	517.1	627.9	727.8
80°	65.2	63.0	71.7	86.9	99.9	134.7	189.0	241.2	306.3	369.3	423.7
82.5°	28.2	26.1	28.2	36.9	45.6	65.2	95.6	132.5	169.5	212.9	247.7
85°	0.0	0.0	0.0	2.2	10.9	17.4	32.6	47.8	69.5	95.6	117.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	19.6
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: P640350

CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1
2.5°	4566.9	4512.6	4508.2	4464.8	4469.1	4471.3	4427.9	4410.5	4425.7	4443.1	4434.4
5°	4367.0	4310.5	4286.6	4245.3	4241.0	4221.5	4204.1	4182.3	4197.6	4212.8	4221.5
7.5°	4193.2	4156.3	4141.1	4130.2	4134.5	4125.9	4091.1	4071.5	4069.4	4075.9	4084.6
10°	4136.7	4106.3	4125.9	4156.3	4178.0	4193.2	4156.3	4123.7	4093.3	4080.2	4080.2
12.5°	4258.4	4219.3	4258.4	4291.0	4334.4	4345.3	4304.0	4269.2	4258.4	4271.4	4297.5
15°	4527.8	4436.5	4434.4	4453.9	4488.7	4506.1	4467.0	4449.6	4449.6	4532.1	4597.3
17.5°	4797.2	4647.3	4584.3	4573.4	4595.1	4601.7	4569.1	4553.9	4593.0	4753.7	4875.4
20°	4986.2	4803.7	4666.8	4640.8	4647.3	4649.5	4623.4	4612.5	4669.0	4864.6	4966.7
22.5°	4966.7	4832.0	4664.7	4632.1	4642.9	4638.6	4614.7	4610.4	4656.0	4825.4	4873.2
25°	4832.0	4727.7	4586.5	4564.7	4582.1	4579.9	4556.0	4545.2	4564.7	4677.7	4682.1
27.5°	4677.7	4586.5	4464.8	4458.3	4486.5	4501.7	4460.4	4427.9	4421.3	4497.4	4480.0
30°	4493.0	4425.7	4327.9	4332.3	4384.4	4393.1	4343.1	4295.3	4282.3	4323.6	4299.7
32.5°	4273.6	4251.9	4199.7	4210.6	4260.6	4277.9	4225.8	4175.8	4160.6	4173.7	4123.7
35°	4086.7	4078.1	4082.4	4102.0	4145.4	4158.4	4115.0	4075.9	4054.2	4008.5	3943.4
37.5°	3893.4	3917.3	3980.3	4017.2	4041.1	4036.8	4012.9	3984.6	3949.9	3865.1	3784.7
40°	3713.1	3773.9	3886.9	3928.1	3936.8	3939.0	3921.6	3897.7	3854.3	3741.3	3650.0
42.5°	3574.0	3641.4	3791.3	3854.3	3858.6	3863.0	3845.6	3826.0	3765.2	3615.3	3526.2
45°	3428.4	3517.5	3693.5	3769.5	3765.2	3763.0	3747.8	3739.1	3667.4	3493.6	3395.8
47.5°	3304.6	3408.9	3597.9	3663.1	3660.9	3658.7	3647.9	3647.9	3576.2	3387.2	3276.3
50°	3182.9	3302.4	3500.1	3554.4	3558.8	3554.4	3550.1	3556.6	3471.9	3269.8	3161.2
52.5°	3050.4	3185.1	3391.5	3441.5	3467.5	3478.4	3478.4	3463.2	3363.3	3152.5	3033.0
55°	2904.8	3033.0	3272.0	3339.4	3361.1	3380.6	3380.6	3350.2	3256.8	3043.9	2915.7
57.5°	2724.5	2837.5	3026.5	3093.8	3146.0	3159.0	3159.0	3109.1	3033.0	2828.8	2724.5
60°	2529.0	2626.7	2754.9	2826.6	2865.7	2839.6	2859.2	2846.2	2785.3	2596.3	2509.4
62.5°	2268.2	2368.2	2509.4	2583.3	2600.7	2574.6	2600.7	2598.5	2515.9	2346.5	2242.2
65°	2081.4	2179.2	2318.2	2413.8	2442.1	2435.5	2452.9	2426.8	2324.7	2164.0	2064.0
67.5°	1859.8	1964.1	2124.8	2231.3	2290.0	2296.5	2320.4	2266.1	2161.8	1985.8	1859.8
70°	1649.0	1738.1	1862.0	1961.9	2044.5	2085.7	2090.1	2011.9	1881.5	1735.9	1644.7
72.5°	1427.4	1518.7	1668.6	1777.2	1881.5	1929.3	1929.3	1833.7	1692.5	1531.7	1433.9
75°	1158.0	1242.8	1379.6	1497.0	1616.4	1677.3	1675.1	1592.5	1436.1	1284.0	1181.9
77.5°	784.3	847.3	934.2	1023.3	1040.7	1088.5	1112.4	1008.1	921.2	838.6	747.4
80°	456.3	495.4	543.2	593.1	604.0	619.2	580.1	541.0	495.4	441.0	399.8
82.5°	267.2	293.3	317.2	356.3	362.8	367.2	332.4	315.0	278.1	245.5	219.4
85°	130.4	139.0	160.8	180.3	171.6	167.3	152.1	134.7	119.5	106.5	93.4
87.5°	26.1	26.1	39.1	36.9	30.4	26.1	15.2	19.6	4.3	4.3	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: P640350

CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1
2.5°	4462.6	4499.5	4545.2	4606.0	4675.5	4749.4	4821.1	4875.4	4929.7	5010.1	4997.1
5°	4234.5	4297.5	4369.2	4462.6	4575.6	4703.8	4847.2	4990.6	5144.8	5275.2	5331.7
7.5°	4102.0	4171.5	4256.2	4377.9	4523.4	4679.9	4881.9	5114.4	5364.3	5535.9	5642.4
10°	4102.0	4191.0	4301.8	4419.2	4547.3	4708.1	4958.0	5249.1	5570.7	5796.6	5920.5
12.5°	4338.8	4427.9	4451.8	4447.4	4519.1	4697.3	5018.8	5390.3	5774.9	6013.9	6166.0
15°	4708.1	4738.5	4558.2	4393.1	4404.0	4619.0	5047.1	5503.3	5950.9	6237.7	6402.8
17.5°	4955.8	4875.4	4553.9	4264.9	4204.1	4486.5	5047.1	5611.9	6137.7	6461.4	6615.7
20°	4975.4	4775.5	4443.1	4141.1	3984.6	4310.5	5012.3	5694.5	6318.1	6676.5	6841.7
22.5°	4803.7	4606.0	4325.7	4034.6	3804.3	4097.6	4955.8	5757.5	6472.3	6878.6	7082.8
25°	4608.2	4443.1	4206.2	3926.0	3680.5	3882.5	4903.7	5864.0	6687.4	7152.3	7358.8
27.5°	4417.0	4277.9	4062.8	3834.7	3610.9	3695.7	4871.1	6020.4	6943.8	7541.3	7719.4
30°	4230.1	4104.1	3908.6	3747.8	3574.0	3574.0	4842.8	6200.7	7282.7	7978.0	8156.1
32.5°	4041.1	3921.6	3763.0	3663.1	3552.3	3526.2	4764.6	6370.2	7632.5	8455.9	8638.4
35°	3865.1	3745.6	3624.0	3582.7	3541.4	3489.3	4571.2	6502.7	7973.6	9014.3	9170.7
37.5°	3700.0	3584.9	3493.6	3482.8	3487.1	3389.3	4267.1	6613.5	8399.4	9585.7	9668.3
40°	3556.6	3428.4	3356.7	3354.6	3376.3	3228.6	3882.5	6772.1	8886.1	10070.2	10035.5
42.5°	3428.4	3293.7	3206.8	3226.4	3213.3	3067.8	3506.7	6917.7	9309.8	10524.3	10454.8
45°	3302.4	3172.1	3050.4	3078.6	3063.4	2967.8	3187.3	7024.2	9779.1	11069.6	11078.3
47.5°	3180.8	3052.6	2930.9	2896.1	2894.0	2937.4	2941.8	7058.9	10543.9	11947.4	11749.7
50°	3067.8	2939.6	2813.6	2696.3	2741.9	2876.6	2759.3	7032.9	11688.8	12916.4	12364.5
52.5°	2950.5	2828.8	2689.7	2479.0	2598.5	2731.0	2596.3	6939.4	12388.4	13772.4	13442.2
55°	2815.7	2700.6	2511.6	2255.2	2400.8	2429.0	2429.0	6035.6	12686.1	14619.7	14824.0
57.5°	2635.4	2483.3	2183.5	1977.1	2107.5	1998.8	2250.9	4223.6	12195.1	14352.5	15145.5
60°	2431.2	2268.2	1951.0	1803.3	1842.4	1651.2	1918.4	2648.5	10107.1	12212.4	13585.6
62.5°	2161.8	2011.9	1749.0	1633.8	1553.4	1347.0	1544.8	1675.1	6928.6	9068.6	10005.0
65°	1981.5	1816.3	1581.7	1429.6	1264.5	1084.2	1025.5	1099.4	3726.1	5075.3	5707.5
67.5°	1768.5	1605.6	1384.0	1192.8	1060.3	929.9	827.8	801.7	1277.5	1690.3	1829.4
70°	1566.5	1410.0	1225.4	1047.2	914.7	786.5	686.6	614.9	591.0	586.6	577.9
72.5°	1360.1	1214.5	1060.3	895.1	749.6	632.2	543.2	460.6	425.8	415.0	404.1
75°	1114.6	999.4	845.2	667.0	549.7	441.0	371.5	317.2	286.8	275.9	262.9
77.5°	717.0	664.8	530.1	430.2	332.4	262.9	226.0	191.2	171.6	167.3	156.4
80°	382.4	356.3	293.3	247.7	197.7	160.8	141.2	121.7	110.8	106.5	102.1
82.5°	212.9	193.4	162.9	143.4	115.2	97.8	86.9	78.2	71.7	69.5	67.4
85°	95.6	82.6	65.2	60.8	54.3	50.0	47.8	43.5	41.3	39.1	36.9
87.5°	4.3	8.7	10.9	8.7	8.7	13.0	15.2	15.2	13.0	13.0	10.9
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: P640350
 CATALOG NUMBER: GWS-SA5D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1
2.5°	5077.5	5142.7	5149.2	5170.9	5142.7	5136.1	5090.5	5064.4	5040.5	5034.0
5°	5472.9	5603.3	5655.4	5692.3	5657.6	5640.2	5540.2	5436.0	5377.3	5349.1
7.5°	5879.2	6074.7	6176.8	6222.5	6226.8	6148.6	5976.9	5781.4	5683.6	5646.7
10°	6242.0	6483.2	6617.9	6704.8	6674.4	6578.8	6344.1	6079.1	5955.2	5922.6
12.5°	6511.4	6741.7	6846.0	6902.5	6900.3	6848.2	6626.6	6339.8	6198.6	6166.0
15°	6685.2	6822.1	6828.6	6841.7	6878.6	6948.1	6833.0	6567.9	6411.5	6365.9
17.5°	6822.1	6767.8	6665.7	6630.9	6713.5	6906.8	6976.4	6761.3	6591.8	6552.7
20°	6909.0	6635.3	6454.9	6387.6	6483.2	6798.2	7063.3	6935.1	6759.1	6709.1
22.5°	6976.4	6511.4	6220.3	6174.7	6274.6	6680.9	7152.3	7141.5	6948.1	6878.6
25°	7082.8	6428.9	6055.2	6022.6	6116.0	6624.4	7271.8	7421.8	7250.1	7150.2
27.5°	7250.1	6420.2	5970.4	5959.6	6087.8	6674.4	7443.5	7832.4	7617.3	7543.4
30°	7482.6	6502.7	5990.0	6011.7	6168.1	6854.7	7710.7	8301.7	8086.6	7971.4
32.5°	7817.2	6724.3	6287.6	6381.1	6496.2	7143.7	8101.8	8810.1	8647.1	8477.7
35°	8258.2	7332.7	7167.6	7565.2	7456.5	7775.9	8573.3	9427.1	9229.4	9081.7
37.5°	8847.0	8579.8	8731.9	9279.4	9016.5	8970.9	9149.0	9987.7	9879.0	9731.3
40°	9672.6	9726.9	10007.2	10726.4	10346.1	10052.8	9855.1	10409.1	10446.1	10263.6
42.5°	10220.1	10470.0	11145.7	11962.6	11439.0	10737.2	10446.1	10948.0	10950.1	10785.0
45°	10424.4	11078.3	12490.5	13431.3	12555.7	11128.3	10772.0	11680.1	11658.4	11469.4
47.5°	10350.5	11591.1	13887.6	15325.8	13989.7	11406.4	10726.4	12723.0	12899.0	12612.2
50°	10196.2	12106.0	15519.2	17646.2	15749.5	11701.9	10656.8	13878.9	14170.0	13948.4
52.5°	10352.7	12679.6	17448.5	20044.8	17956.9	12173.3	11126.1	15362.8	15310.6	15043.4
55°	10848.0	13357.4	19792.8	23058.3	20381.6	12970.7	12331.9	16777.2	16247.0	15927.7
57.5°	10824.1	13841.9	21848.1	25441.7	22491.2	13624.7	12751.3	16927.1	15856.0	15451.9
60°	9824.7	13620.3	22630.3	26949.5	23127.8	13264.0	11371.6	15119.4	13379.2	12955.5
62.5°	7332.7	12086.4	21113.8	25061.5	21326.7	11456.4	8551.5	10852.4	9614.0	8899.2
65°	4690.7	9455.4	17750.5	20303.4	17578.9	8762.3	5092.7	5818.3	4558.2	4354.0
67.5°	1996.7	6674.4	13798.5	13570.3	13151.0	5677.1	1966.2	1638.2	1221.0	1199.3
70°	660.5	4540.8	8505.9	9051.2	7854.1	3910.8	649.6	549.7	547.5	528.0
72.5°	432.4	2437.7	4788.5	5331.7	5053.6	2250.9	393.2	367.2	375.9	367.2
75°	258.5	530.1	806.1	1047.2	806.1	378.0	236.8	232.5	236.8	226.0
77.5°	152.1	147.7	143.4	143.4	141.2	130.4	119.5	115.2	117.3	119.5
80°	97.8	93.4	89.1	86.9	76.0	71.7	67.4	63.0	63.0	65.2
82.5°	63.0	58.7	54.3	47.8	39.1	32.6	30.4	26.1	26.1	28.2
85°	32.6	26.1	19.6	15.2	8.7	4.3	0.0	0.0	0.0	0.0
87.5°	6.5	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)