

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: P641234

Luminaire Tested: GWS-SA5F-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641234
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-SA5F-740-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32655.8 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

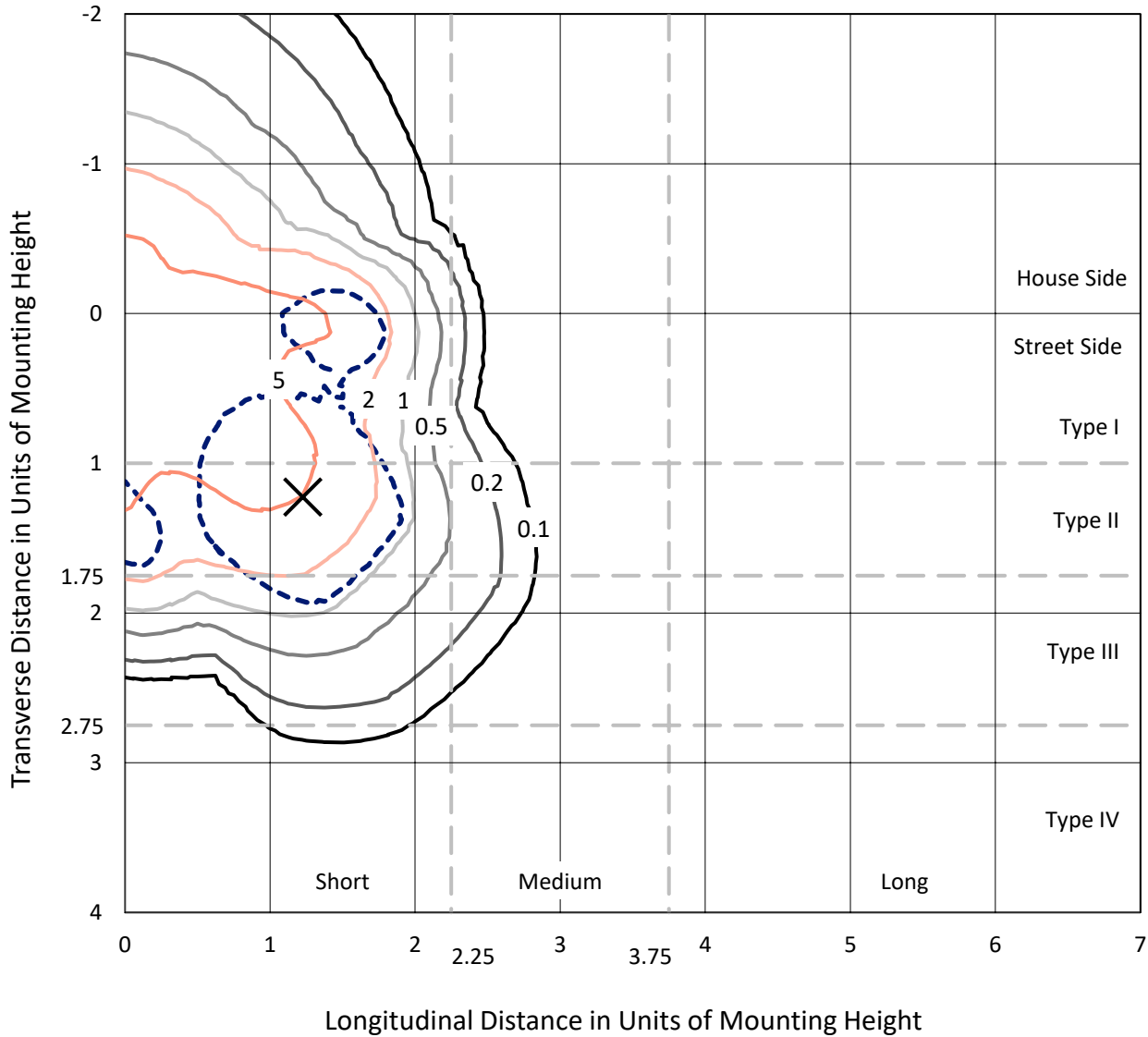
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641234
 CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

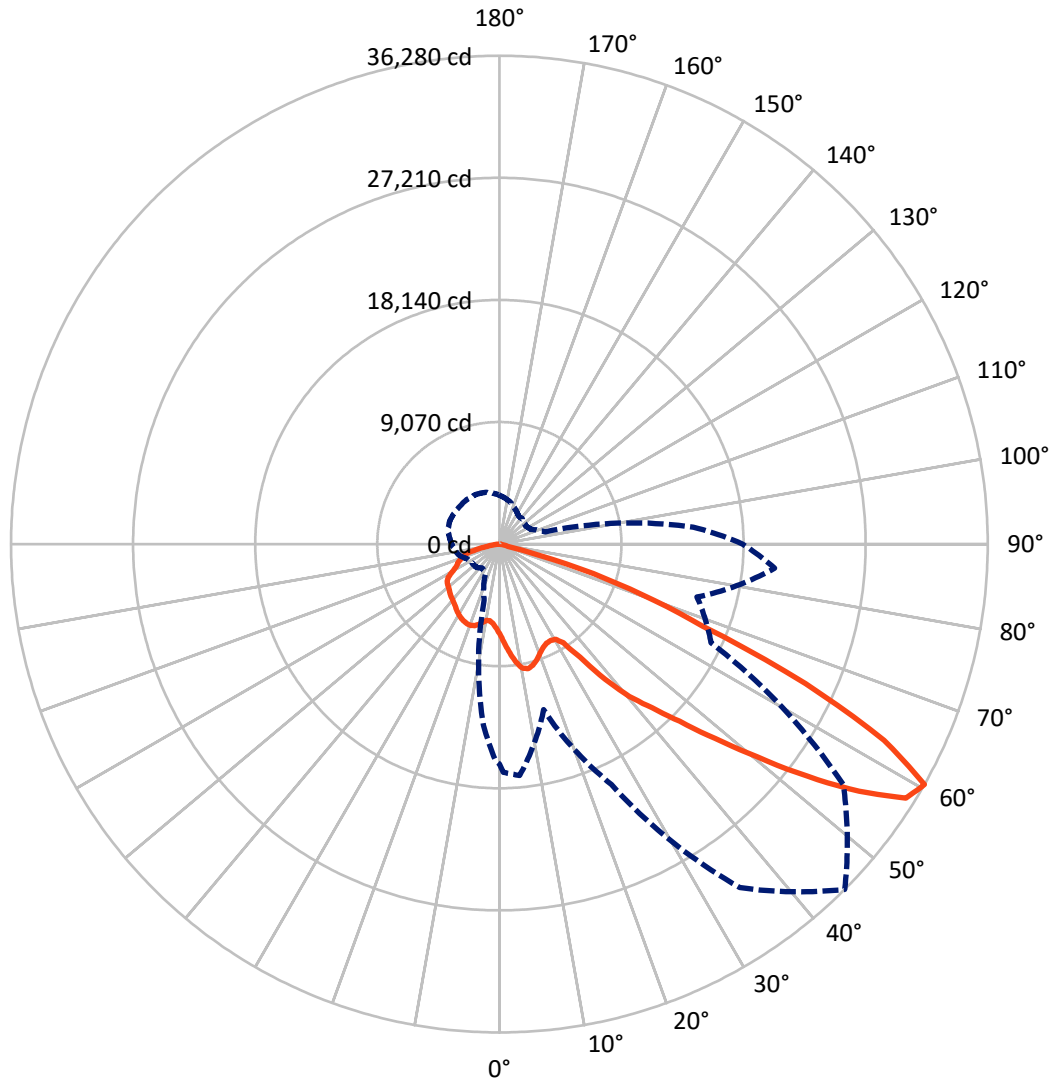
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Short - N/A

REPORT NUMBER: P641234
CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641234

CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11447.0	0.0	11447.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	21208.8	0.0	21208.8
	% Fixture	64.9	0.0	64.9
Total	Lumens	32655.8	0.0	32655.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.5	2.0
10°-20°	2068.3	6.3
20°-30°	3359.7	10.3
30°-40°	4738.2	14.5
40°-50°	6548.0	20.1
50°-60°	8429.2	25.8
60°-70°	5340.9	16.4
70°-80°	1370.5	4.2
80°-90°	146.6	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°	32655.8	100.0
0°-180°	32655.8	100.0

Coefficient of Utilization



REPORT NUMBER: P641234

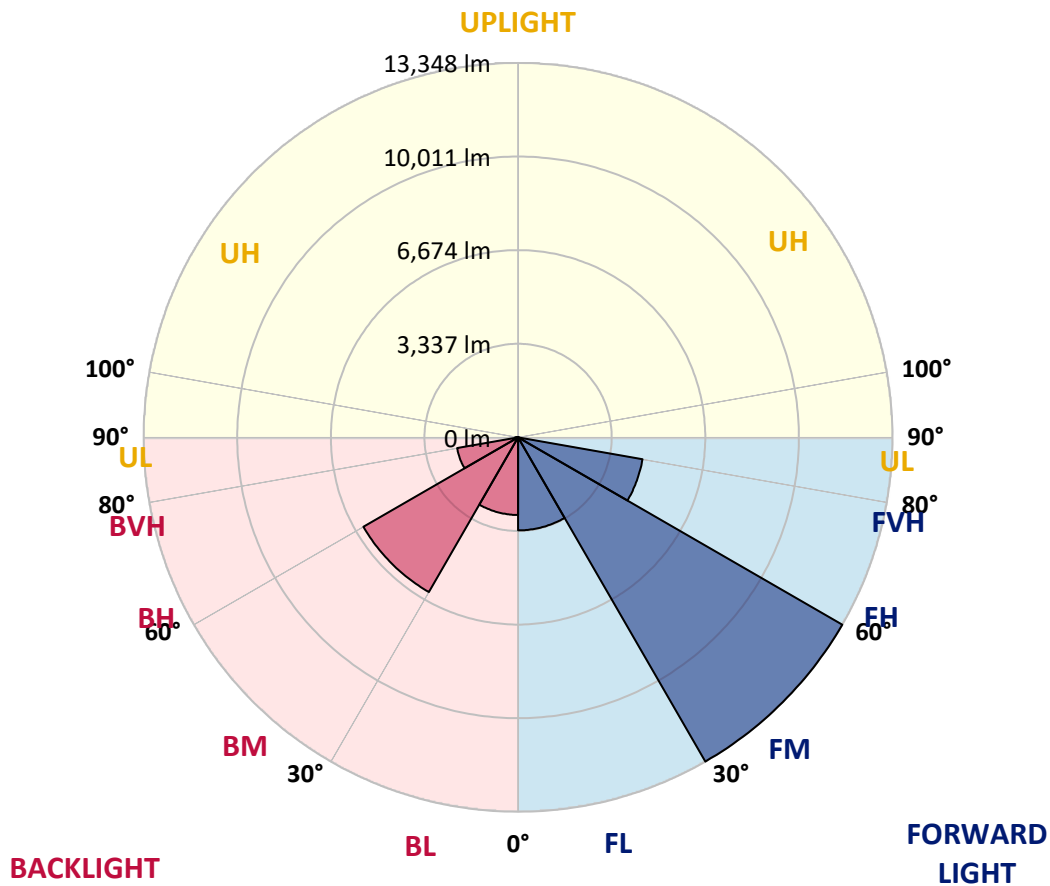
CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3315.8	10.2			
FM (30°-60°)	13347.8	40.9			
FH (60°-80°)	4505.4	13.8			G2/5000
FVH (80°-90°)	39.8	0.1			G1/100
BL (0°-30°)	2766.7	8.5	B4/5000		
BM (30°-60°)	6367.6	19.5	B4/8500		
BH (60°-80°)	2205.9	6.8	B3/2500		G3/2500
BVH (80°-90°)	106.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short





REPORT NUMBER: P641234

CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5
2.5°	7016.7	7064.5	7094.4	7151.3	7253.0	7309.9	7372.7	7303.9	7321.9	7312.9	7202.2
5°	7432.6	7489.4	7567.2	7734.8	7923.3	8028.0	8126.7	8111.8	8019.0	7863.4	7752.7
7.5°	7821.5	7887.4	8022.0	8294.3	8572.6	8734.2	8853.8	8776.1	8698.3	8452.9	8174.6
10°	8126.7	8165.6	8348.2	8713.2	9036.4	9218.9	9365.5	9347.6	9239.8	8964.6	8590.5
12.5°	8414.0	8440.9	8638.4	9003.5	9293.7	9374.5	9494.2	9533.1	9497.2	9290.7	8922.7
15°	8722.2	8773.1	8955.6	9233.9	9365.5	9281.7	9323.6	9431.3	9533.1	9533.1	9195.0
17.5°	9009.4	9054.3	9239.8	9359.5	9233.9	9012.4	9024.4	9162.0	9404.4	9658.7	9443.3
20°	9263.8	9305.7	9488.2	9374.5	8976.5	8653.4	8644.4	8812.0	9203.9	9739.5	9709.6
22.5°	9542.0	9601.9	9754.5	9386.5	8737.2	8327.2	8324.2	8497.8	9027.4	9820.3	10014.8
25°	9937.0	10029.8	10107.6	9491.2	8608.5	8114.8	8153.7	8318.2	8970.5	9952.0	10466.6
27.5°	10523.5	10598.3	10592.3	9709.6	8602.5	8028.0	8108.8	8300.3	9072.3	10185.4	10942.4
30°	11157.8	11196.7	11133.9	10014.8	8740.1	8081.9	8201.6	8429.0	9329.6	10571.4	11642.6
32.5°	11861.0	11908.9	11789.2	10472.6	9060.3	8479.8	8743.1	8853.8	9691.7	11127.9	12384.6
35°	12668.9	12761.6	12513.3	11077.0	10002.8	9931.0	10314.0	10170.4	10460.6	11786.2	13177.5
37.5°	13518.7	13521.6	13165.6	11971.7	11852.0	11974.7	12740.7	12291.9	12091.4	12519.3	13985.4
40°	14239.8	14221.8	13674.2	13177.5	13461.8	13949.5	14874.1	14185.9	13659.3	13503.7	14655.7
42.5°	14960.9	14895.1	14341.5	13943.5	14571.9	15574.3	16618.5	15774.8	14664.7	14398.4	15316.9
45°	15882.5	15861.5	15194.3	14248.7	15574.3	17393.5	18778.9	17411.5	15260.1	14919.0	16418.1
47.5°	17369.6	17267.8	16026.1	14224.8	16513.8	19817.2	21567.6	19473.1	15676.0	14931.0	18195.4
50°	18823.8	18698.1	17019.5	14221.8	17483.3	22330.6	24859.0	21977.5	16100.9	15002.8	20002.7
52.5°	20292.9	20292.9	18650.2	14559.9	18500.6	25137.3	28662.1	25098.4	16825.0	15942.3	22225.9
55°	21166.7	21400.0	20484.4	15131.4	19691.5	28440.6	32423.2	28467.6	17944.1	17638.9	24278.5
57.5°	20056.6	20493.4	20361.8	14733.5	20394.7	30867.3	35612.9	31022.9	18497.6	17839.4	23970.3
60°	16343.3	16950.7	17252.9	12722.7	19700.5	31148.6	36280.1	31190.4	17354.6	15191.3	20532.3
62.5°	10864.6	11364.3	11825.1	9090.2	17055.4	28021.7	32088.1	28030.7	14494.1	11337.4	14224.8
65°	5329.1	5700.1	6196.8	5373.9	13324.2	23413.8	25017.6	22650.8	10484.6	6346.4	7256.0
67.5°	1394.4	1499.1	1567.9	2085.5	9545.0	16822.0	16316.3	16567.7	6735.4	2073.6	1897.0
70°	724.1	730.1	727.1	861.7	6451.1	10691.0	11244.6	10403.8	4700.7	867.7	748.0
72.5°	517.6	520.6	511.7	580.5	3114.9	6125.0	6346.4	6277.6	2462.6	514.7	511.7
75°	338.1	341.1	335.1	341.1	469.8	697.2	643.3	676.2	409.9	326.1	326.1
77.5°	200.5	203.5	200.5	206.5	200.5	200.5	185.5	185.5	176.5	176.5	179.5
80°	134.6	134.6	131.7	137.6	125.7	125.7	119.7	116.7	107.7	104.7	104.7
82.5°	80.8	83.8	80.8	80.8	74.8	74.8	68.8	65.8	56.9	56.9	53.9
85°	41.9	41.9	38.9	38.9	32.9	29.9	23.9	23.9	18.0	15.0	15.0
87.5°	6.0	6.0	3.0	3.0	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: P641234

CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5
2.5°	7172.2	7112.4	7022.6	6935.9	6855.1	6771.3	6675.5	6576.8	6493.0	6406.2	6361.4
5°	7606.1	7483.4	7250.0	7043.6	6858.1	6705.5	6540.9	6400.3	6268.6	6160.9	6107.0
7.5°	7998.1	7806.6	7453.5	7127.4	6876.0	6666.6	6439.2	6229.7	6053.2	5921.5	5870.6
10°	8360.1	8132.7	7668.9	7256.0	6962.8	6729.4	6451.1	6166.9	5933.5	5759.9	5718.0
12.5°	8653.4	8393.1	7839.5	7360.8	7013.7	6762.3	6517.0	6271.6	6041.2	5816.8	5780.9
15°	8913.7	8605.5	7968.2	7426.6	6995.7	6675.5	6469.1	6439.2	6439.2	6184.8	6113.0
17.5°	9138.1	8800.0	8072.9	7456.5	6882.0	6418.2	6292.5	6552.9	6846.1	6663.6	6502.0
20°	9395.4	8985.5	8159.7	7456.5	6672.6	6092.1	6080.1	6522.9	6956.8	6959.8	6789.2
22.5°	9655.8	9200.9	8261.4	7429.6	6385.3	5715.1	5936.5	6403.3	6789.2	6953.8	6837.1
25°	10077.6	9500.2	8423.0	7408.6	6050.2	5457.7	5807.8	6244.7	6570.8	6744.4	6669.6
27.5°	10613.2	9895.1	8668.3	7441.5	5718.0	5305.1	5670.2	6038.2	6334.4	6487.0	6433.2
30°	11211.7	10349.9	8931.6	7498.4	5478.7	5227.3	5505.6	5801.8	6065.1	6217.7	6193.8
32.5°	11974.7	10843.6	9159.1	7420.6	5344.0	5188.4	5332.1	5544.5	5798.8	5894.6	5915.5
35°	12887.3	11388.2	9332.6	7115.4	5221.3	5146.5	5143.6	5275.2	5454.7	5607.3	5622.3
37.5°	13728.1	12025.6	9524.1	6591.8	4999.9	5041.8	4922.1	4999.9	5176.5	5329.1	5388.9
40°	14559.9	12671.9	9790.4	5924.5	4709.7	4808.4	4667.8	4721.7	4862.3	5062.8	5158.5
42.5°	15367.8	13255.3	10071.7	5242.3	4419.4	4482.3	4377.6	4431.4	4578.0	4829.4	4937.1
45°	16247.5	14045.3	10290.1	4599.0	4168.1	4141.2	4057.4	4135.2	4356.6	4631.9	4760.6
47.5°	17911.2	15290.0	10433.7	4171.1	4033.5	3839.0	3743.2	3910.8	4162.1	4440.4	4596.0
50°	19942.9	17091.3	10391.8	3898.8	3916.8	3527.8	3494.9	3716.3	3985.6	4275.8	4446.4
52.5°	21552.6	18859.7	9916.1	3638.5	3689.4	3330.3	3234.5	3557.7	3815.0	4111.2	4287.8
55°	22782.4	19455.1	8455.9	3330.3	3318.3	3186.7	2986.2	3393.1	3644.5	3919.8	4111.2
57.5°	21780.0	18129.6	6268.6	2905.4	2833.6	2902.4	2707.9	3114.9	3435.0	3707.3	3877.9
60°	18075.7	14455.2	3491.9	2573.3	2369.8	2537.4	2507.4	2821.6	3207.6	3494.9	3641.5
62.5°	12270.9	9625.8	2070.6	2034.7	1921.0	2160.4	2318.9	2525.4	2905.4	3138.8	3276.4
65°	6116.0	4676.8	1376.4	1523.0	1538.0	1777.4	2076.6	2304.0	2621.1	2860.5	2998.2
67.5°	1774.4	1454.2	1047.3	1164.0	1325.5	1517.0	1756.4	2025.7	2333.9	2618.2	2779.7
70°	766.0	775.0	831.8	969.5	1128.1	1325.5	1564.9	1828.2	2088.5	2307.0	2429.6
72.5°	541.6	562.5	625.4	766.0	915.6	1104.1	1343.5	1597.8	1786.3	2007.8	2136.4
75°	347.1	362.1	412.9	520.6	631.3	813.9	1041.3	1274.7	1469.2	1627.7	1750.4
77.5°	191.5	194.5	236.4	299.2	374.0	490.7	658.3	840.8	984.4	1074.2	1184.9
80°	110.7	110.7	131.7	170.6	215.4	287.2	380.0	469.8	556.5	613.4	667.3
82.5°	59.8	59.8	68.8	92.8	116.7	158.6	212.4	257.3	311.2	341.1	377.0
85°	18.0	18.0	23.9	32.9	41.9	59.8	83.8	107.7	131.7	152.6	173.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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: P641234

CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5
2.5°	6352.4	6310.5	6286.6	6256.6	6265.6	6238.7	6223.7	6232.7	6178.8	6232.7	6286.6
5°	6086.1	6026.2	5978.4	5939.5	5921.5	5885.6	5864.7	5864.7	5831.8	5885.6	5951.4
7.5°	5852.7	5804.8	5780.9	5756.9	5730.0	5697.1	5661.2	5649.2	5628.3	5685.1	5742.0
10°	5697.1	5703.1	5718.0	5751.0	5745.0	5724.0	5670.2	5640.3	5640.3	5706.1	5792.9
12.5°	5768.9	5831.8	5867.7	5927.5	5939.5	5921.5	5867.7	5843.7	5903.6	6002.3	6145.9
15°	6047.2	6089.1	6119.0	6166.9	6163.9	6148.9	6107.0	6125.0	6322.5	6514.0	6642.6
17.5°	6349.4	6301.5	6295.5	6325.5	6334.4	6316.5	6292.5	6373.3	6699.5	6879.0	6944.8
20°	6567.8	6403.3	6367.4	6379.3	6403.3	6394.3	6394.3	6525.9	6864.1	6947.8	6864.1
22.5°	6633.7	6400.3	6346.4	6349.4	6382.3	6385.3	6400.3	6537.9	6735.4	6738.4	6609.7
25°	6528.9	6304.5	6265.6	6271.6	6310.5	6307.5	6313.5	6391.3	6478.1	6442.2	6346.4
27.5°	6331.4	6137.0	6125.0	6157.9	6208.8	6181.8	6163.9	6184.8	6226.7	6181.8	6098.1
30°	6107.0	5942.5	5948.4	6011.3	6065.1	6020.3	5975.4	5987.3	5990.3	5942.5	5846.7
32.5°	5870.6	5748.0	5768.9	5834.7	5897.6	5849.7	5801.8	5795.8	5739.0	5682.1	5589.4
35°	5634.3	5586.4	5613.3	5667.2	5721.0	5682.1	5652.2	5634.3	5511.6	5427.8	5350.0
37.5°	5418.8	5454.7	5502.6	5535.5	5553.5	5550.5	5532.5	5490.6	5329.1	5230.3	5128.6
40°	5227.3	5338.0	5388.9	5403.9	5430.8	5424.8	5421.8	5362.0	5149.5	5044.8	4928.1
42.5°	5053.8	5209.4	5296.2	5311.1	5326.1	5329.1	5320.1	5233.3	4990.9	4868.3	4757.6
45°	4886.2	5089.7	5200.4	5185.4	5206.4	5206.4	5215.4	5101.7	4835.4	4709.7	4593.0
47.5°	4739.6	4979.0	5080.7	5062.8	5074.7	5083.7	5092.7	4961.0	4664.8	4545.1	4425.4
50°	4605.0	4859.3	4946.1	4952.1	4952.1	4973.0	4970.0	4841.3	4521.2	4392.5	4272.8
52.5°	4461.3	4736.6	4829.4	4868.3	4880.2	4889.2	4847.3	4697.7	4374.6	4219.0	4108.3
55°	4293.8	4610.9	4694.7	4745.6	4769.5	4763.5	4706.7	4554.1	4225.0	4069.4	3943.7
57.5°	4039.4	4341.6	4461.3	4485.3	4524.2	4500.2	4434.4	4305.7	3985.6	3830.0	3701.3
60°	3761.2	3979.6	4075.3	4096.3	4066.4	4075.3	4066.4	3943.7	3665.4	3542.7	3411.1
62.5°	3396.1	3590.6	3692.3	3719.3	3668.4	3701.3	3689.4	3536.8	3258.5	3129.8	3013.1
65°	3120.8	3333.3	3453.0	3467.9	3453.0	3467.9	3426.0	3240.5	2977.2	2845.6	2725.9
67.5°	2905.4	3123.8	3249.5	3291.4	3276.4	3273.4	3207.6	2992.2	2719.9	2576.3	2423.7
70°	2534.4	2725.9	2887.4	2989.2	2989.2	2932.3	2806.7	2606.2	2387.8	2265.1	2145.4
72.5°	2244.1	2486.5	2645.1	2749.8	2770.8	2737.8	2561.3	2348.9	2097.5	1974.8	1849.2
75°	1849.2	2085.5	2256.1	2393.7	2420.7	2384.8	2181.3	1971.8	1738.5	1618.8	1493.1
77.5°	1235.8	1376.4	1514.0	1639.7	1612.8	1636.7	1499.1	1340.5	1196.9	1107.1	1050.3
80°	697.2	789.9	831.8	900.6	900.6	900.6	810.9	736.1	655.3	604.4	547.6
82.5°	395.0	454.8	472.8	529.6	544.6	547.6	487.7	439.8	389.0	362.1	323.2
85°	182.5	215.4	218.4	251.3	263.3	287.2	260.3	227.4	197.5	185.5	161.6
87.5°	6.0	18.0	23.9	44.9	59.8	68.8	74.8	74.8	62.8	56.9	47.9
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: P641234

CATALOG NUMBER: GWS-SA5F-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5	6708.5
2.5°	6352.4	6424.2	6508.0	6567.8	6675.5	6765.3	6858.1	6959.8	7034.6	7016.7
5°	6032.2	6151.9	6304.5	6445.1	6645.6	6849.1	7073.5	7303.9	7438.5	7432.6
7.5°	5852.7	6023.3	6208.8	6397.3	6633.7	6926.9	7271.0	7630.0	7812.6	7821.5
10°	5948.4	6131.0	6256.6	6415.2	6663.6	7031.6	7444.5	7875.4	8084.9	8126.7
12.5°	6250.7	6235.7	6226.7	6340.4	6639.6	7106.4	7612.1	8126.7	8363.1	8414.0
15°	6537.9	6229.7	6044.2	6122.0	6531.9	7154.3	7776.7	8402.0	8668.3	8722.2
17.5°	6591.8	6125.0	5780.9	5834.7	6361.4	7169.3	7935.3	8671.3	8958.6	9009.4
20°	6442.2	5990.3	5589.4	5514.6	6145.9	7130.4	8034.0	8895.7	9209.9	9263.8
22.5°	6253.6	5870.6	5445.8	5251.3	5882.6	7091.5	8144.7	9132.1	9494.2	9542.0
25°	6056.2	5718.0	5311.1	5014.9	5583.4	7067.5	8330.2	9443.3	9880.2	9937.0
27.5°	5846.7	5532.5	5194.4	4901.2	5308.1	7097.4	8593.5	9946.0	10442.7	10523.5
30°	5622.3	5347.0	5119.6	4862.3	5119.6	7124.4	8883.8	10460.6	11044.1	11157.8
32.5°	5388.9	5176.5	5041.8	4880.2	5002.9	7061.5	9138.1	11038.1	11762.2	11861.0
35°	5155.5	5002.9	4943.1	4913.2	4847.3	6831.1	9344.6	11621.6	12582.1	12668.9
37.5°	4937.1	4823.4	4805.4	4838.3	4608.0	6454.1	9583.9	12363.7	13387.0	13518.7
40°	4733.6	4628.9	4625.9	4619.9	4344.6	5939.5	9907.1	13117.7	14179.9	14239.8
42.5°	4545.1	4413.5	4437.4	4365.6	4129.2	5382.9	10212.3	13761.0	14919.0	14960.9
45°	4377.6	4204.0	4230.9	4141.2	4027.5	4799.5	10481.6	14521.0	15855.5	15882.5
47.5°	4216.0	4030.5	3955.7	3949.7	4009.5	4260.9	10744.9	15984.2	17321.7	17369.6
50°	4066.4	3865.9	3653.4	3785.1	3898.8	3856.9	11074.0	17552.1	18835.7	18823.8
52.5°	3922.7	3659.4	3357.2	3611.6	3611.6	3557.7	10981.3	18503.6	20086.5	20292.9
55°	3758.2	3327.3	3049.0	3321.3	3189.7	3288.4	9338.6	18814.8	20873.4	21166.7
57.5°	3432.0	2917.4	2675.0	2821.6	2624.1	3049.0	6708.5	17270.8	19535.9	20056.6
60°	3117.8	2615.2	2456.6	2429.6	2172.3	2486.5	4347.6	13521.6	16080.0	16343.3
62.5°	2749.8	2354.8	2220.2	2013.7	1747.4	1810.3	2633.1	8898.7	10804.7	10864.6
65°	2471.5	2133.4	1876.1	1630.7	1430.3	1313.6	1555.9	4290.8	5400.9	5329.1
67.5°	2121.5	1828.2	1582.9	1406.3	1241.8	1095.1	1035.3	1274.7	1442.2	1394.4
70°	1888.1	1606.8	1370.4	1202.9	1050.3	903.6	798.9	751.0	736.1	724.1
72.5°	1627.7	1382.4	1137.0	975.4	831.8	697.2	601.4	544.6	529.6	517.6
75°	1298.6	1068.2	843.8	691.2	565.5	469.8	406.9	359.1	350.1	338.1
77.5°	858.8	685.2	502.7	409.9	335.1	284.3	242.4	212.4	206.5	200.5
80°	472.8	395.0	308.2	248.4	200.5	173.5	158.6	140.6	137.6	134.6
82.5°	281.3	236.4	176.5	140.6	116.7	104.7	95.7	86.8	83.8	80.8
85°	140.6	110.7	77.8	65.8	59.8	53.9	53.9	44.9	41.9	41.9
87.5°	35.9	29.9	18.0	15.0	15.0	15.0	12.0	9.0	9.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)