

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: P640189

Luminaire Tested: GWS-SA5D-735-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640189
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-SA5D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23181.7 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

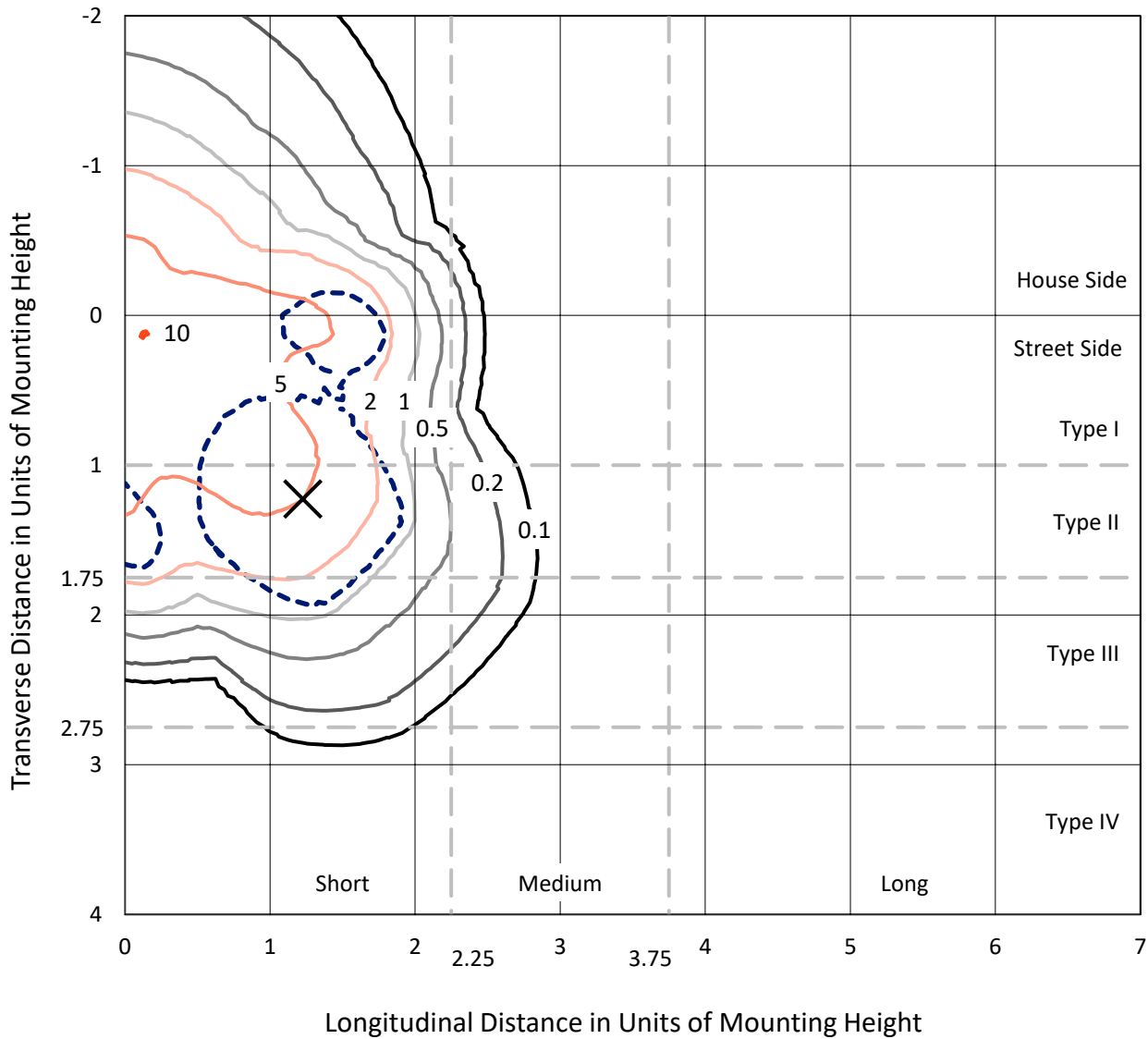
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640189
 CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

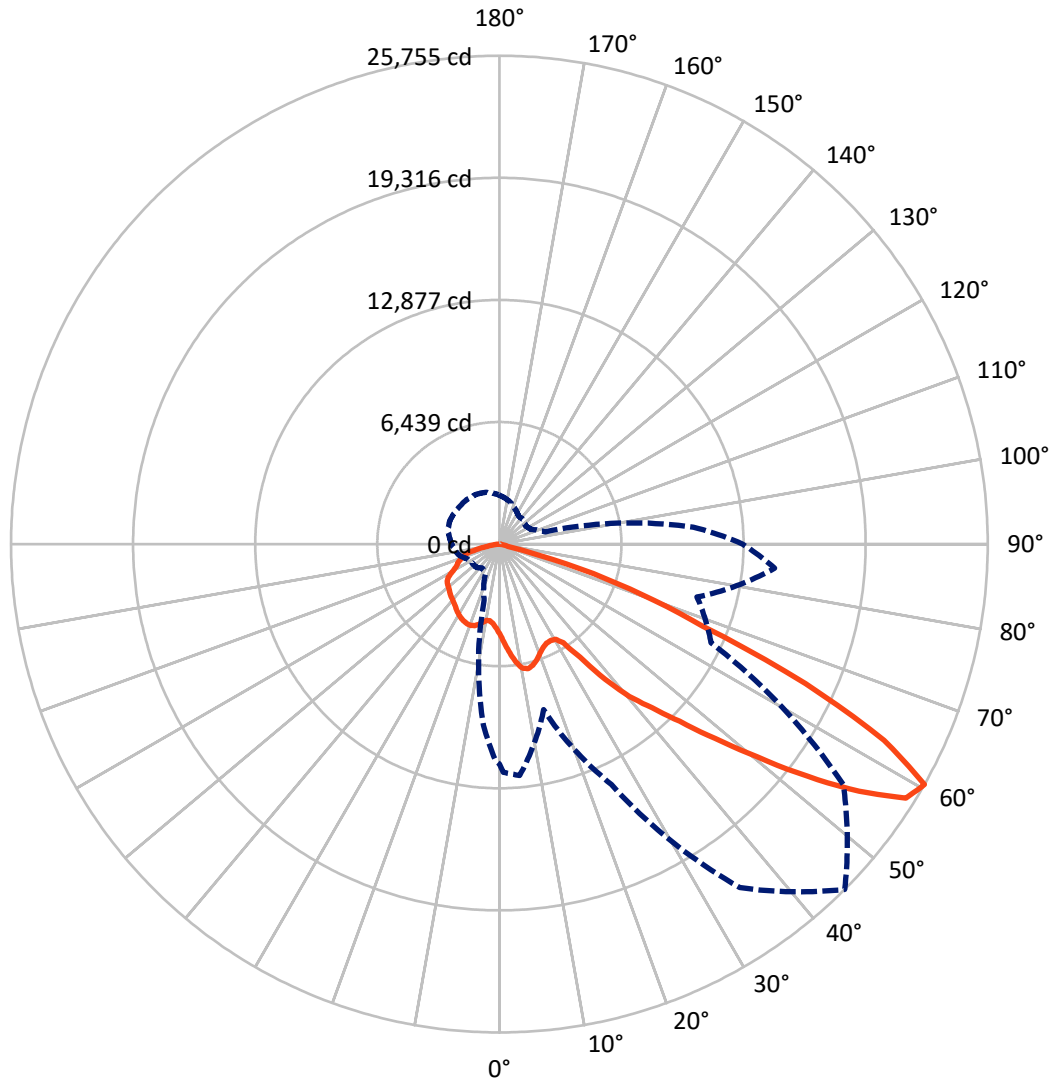
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - N/A

REPORT NUMBER: P640189
CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640189

CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8126.0	0.0	8126.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	15055.7	0.0	15055.7
	% Fixture	64.9	0.0	64.9
Total	Lumens	23181.7	0.0	23181.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.6	2.0
10°-20°	1468.2	6.3
20°-30°	2385.0	10.3
30°-40°	3363.5	14.5
40°-50°	4648.3	20.1
50°-60°	5983.7	25.8
60°-70°	3791.4	16.4
70°-80°	972.9	4.2
80°-90°	104.0	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°	23181.7	100.0
0°-180°	23181.7	100.0

Coefficient of Utilization



REPORT NUMBER: P640189

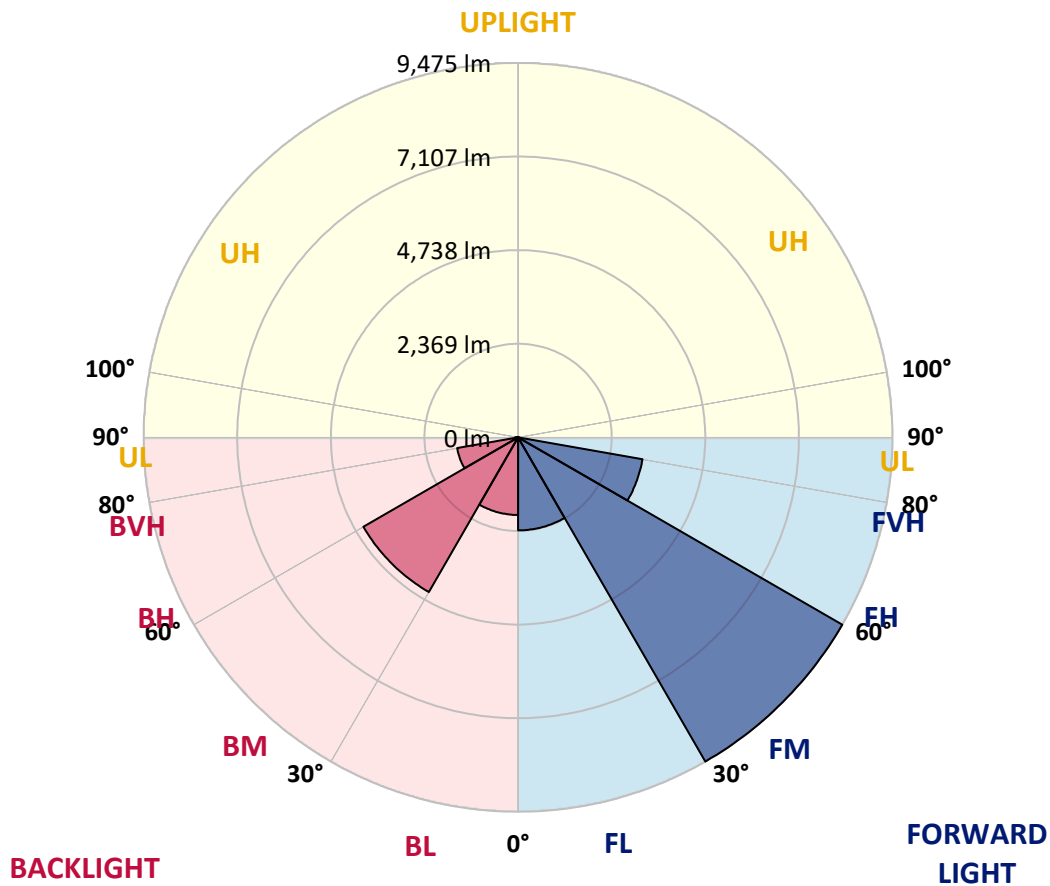
CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2353.8	10.2			
FM (30°-60°)	9475.3	40.9			
FH (60°-80°)	3198.3	13.8			G2/5000
FVH (80°-90°)	28.3	0.1			G1/100
BL (0°-30°)	1964.0	8.5	B3/2500		
BM (30°-60°)	4520.3	19.5	B3/5000		
BH (60°-80°)	1566.0	6.8	B3/2500		G3/2500
BVH (80°-90°)	75.8	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: P640189

CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2
2.5°	4981.0	5015.0	5036.2	5076.6	5148.8	5189.1	5233.7	5184.9	5197.6	5191.3	5112.7
5°	5276.2	5316.6	5371.8	5490.8	5624.6	5698.9	5769.0	5758.4	5692.6	5582.1	5503.5
7.5°	5552.4	5599.1	5694.7	5888.0	6085.5	6200.2	6285.2	6229.9	6174.7	6000.5	5803.0
10°	5769.0	5796.6	5926.2	6185.3	6414.7	6544.3	6648.4	6635.6	6559.2	6363.8	6098.3
12.5°	5972.9	5992.0	6132.2	6391.4	6597.4	6654.8	6739.7	6767.3	6741.8	6595.3	6334.0
15°	6191.7	6227.8	6357.4	6554.9	6648.4	6588.9	6618.7	6695.1	6767.3	6767.3	6527.3
17.5°	6395.6	6427.5	6559.2	6644.1	6554.9	6397.7	6406.2	6504.0	6676.0	6856.5	6703.6
20°	6576.2	6605.9	6735.5	6654.8	6372.3	6142.9	6136.5	6255.4	6533.7	6913.9	6892.7
22.5°	6773.7	6816.2	6924.5	6663.3	6202.3	5911.3	5909.2	6032.4	6408.4	6971.3	7109.3
25°	7054.1	7119.9	7175.2	6737.6	6111.0	5760.5	5788.1	5905.0	6368.0	7064.7	7430.1
27.5°	7470.4	7523.5	7519.3	6892.7	6106.7	5698.9	5756.3	5892.2	6440.2	7230.4	7767.8
30°	7920.7	7948.3	7903.7	7109.3	6204.5	5737.2	5822.1	5983.6	6622.9	7504.4	8264.8
32.5°	8419.9	8453.9	8368.9	7434.3	6431.7	6019.7	6206.6	6285.2	6879.9	7899.5	8791.6
35°	8993.4	9059.2	8882.9	7863.4	7100.8	7049.8	7321.7	7219.8	7425.8	8366.8	9354.5
37.5°	9596.6	9598.7	9346.0	8498.5	8413.5	8500.6	9044.4	8725.7	8583.4	8887.2	9928.0
40°	10108.5	10095.8	9707.1	9354.5	9556.3	9902.5	10558.8	10070.3	9696.5	9586.0	10403.8
42.5°	10620.4	10573.7	10180.7	9898.2	10344.3	11055.9	11797.2	11198.2	10410.1	10221.1	10873.2
45°	11274.6	11259.8	10786.1	10114.9	11055.9	12347.3	13330.8	12360.1	10832.8	10590.7	11654.9
47.5°	12330.3	12258.1	11376.6	10097.9	11722.8	14067.8	15310.4	13823.6	11128.1	10599.2	12916.6
50°	13362.6	13273.4	12081.8	10095.8	12411.0	15852.1	17646.9	15601.4	11429.7	10650.2	14199.5
52.5°	14405.6	14405.6	13239.4	10335.8	13133.2	17844.4	20346.6	17816.8	11943.7	11317.1	15777.7
55°	15025.8	15191.5	14541.5	10741.5	13978.6	20189.4	23016.6	20208.6	12738.1	12521.5	17234.8
57.5°	14237.7	14547.9	14454.4	10459.0	14477.8	21912.1	25280.9	22022.5	13131.1	12663.8	17016.1
60°	11601.8	12032.9	12247.5	9031.6	13985.0	22111.7	25754.5	22141.5	12319.7	10784.0	14575.5
62.5°	7712.6	8067.3	8394.4	6453.0	12107.3	19892.1	22778.7	19898.4	10289.1	8048.2	10097.9
65°	3783.0	4046.4	4399.0	3814.9	9458.6	16621.0	17759.5	16079.3	7442.8	4505.2	5150.9
67.5°	989.8	1064.2	1113.0	1480.5	6775.8	11941.6	11582.6	11761.1	4781.3	1472.0	1346.7
70°	514.0	518.3	516.2	611.7	4579.5	7589.4	7982.3	7385.4	3336.9	616.0	531.0
72.5°	367.5	369.6	363.2	412.1	2211.2	4348.0	4505.2	4456.3	1748.1	365.3	363.2
75°	240.0	242.1	237.9	242.1	333.5	494.9	456.7	480.0	291.0	231.5	231.5
77.5°	142.3	144.4	142.3	146.6	142.3	142.3	131.7	131.7	125.3	125.3	127.4
80°	95.6	95.6	93.5	97.7	89.2	89.2	85.0	82.8	76.5	74.3	74.3
82.5°	57.4	59.5	57.4	57.4	53.1	53.1	48.9	46.7	40.4	40.4	38.2
85°	29.7	29.7	27.6	27.6	23.4	21.2	17.0	17.0	12.7	10.6	10.6
87.5°	4.2	4.2	2.1	2.1	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: P640189

CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2
2.5°	5091.4	5049.0	4985.2	4923.6	4866.3	4806.8	4738.8	4668.7	4609.3	4547.7	4515.8
5°	5399.4	5312.3	5146.7	5000.1	4868.4	4760.1	4643.3	4543.4	4450.0	4373.5	4335.3
7.5°	5677.7	5541.7	5291.1	5059.6	4881.1	4732.5	4571.0	4422.3	4297.0	4203.6	4167.5
10°	5934.7	5773.3	5444.0	5150.9	4942.7	4777.1	4579.5	4377.7	4212.1	4088.9	4059.1
12.5°	6142.9	5958.1	5565.1	5225.3	4978.9	4800.4	4626.3	4452.1	4288.5	4129.2	4103.7
15°	6327.7	6108.9	5656.4	5272.0	4966.1	4738.8	4592.3	4571.0	4571.0	4390.5	4339.5
17.5°	6487.0	6246.9	5730.8	5293.2	4885.4	4556.2	4467.0	4651.7	4859.9	4730.3	4615.6
20°	6669.6	6378.6	5792.4	5293.2	4736.7	4324.6	4316.1	4630.5	4938.5	4940.6	4819.6
22.5°	6854.4	6531.6	5864.6	5274.1	4532.8	4057.0	4214.2	4545.5	4819.6	4936.4	4853.5
25°	7153.9	6744.0	5979.3	5259.2	4294.9	3874.3	4122.9	4433.0	4664.5	4787.7	4734.6
27.5°	7534.1	7024.4	6153.5	5282.6	4059.1	3766.0	4025.1	4286.4	4496.7	4605.0	4566.8
30°	7958.9	7347.2	6340.4	5323.0	3889.2	3710.8	3908.3	4118.6	4305.5	4413.9	4396.9
32.5°	8500.6	7697.7	6501.8	5267.7	3793.6	3683.2	3785.1	3935.9	4116.5	4184.4	4199.3
35°	9148.4	8084.3	6625.0	5051.1	3706.5	3653.4	3651.3	3744.8	3872.2	3980.5	3991.2
37.5°	9745.3	8536.7	6761.0	4679.4	3549.3	3579.1	3494.1	3549.3	3674.7	3783.0	3825.5
40°	10335.8	8995.5	6950.0	4205.7	3343.3	3413.4	3313.6	3351.8	3451.6	3594.0	3661.9
42.5°	10909.3	9409.7	7149.7	3721.4	3137.3	3181.9	3107.5	3145.8	3249.9	3428.3	3504.7
45°	11533.8	9970.5	7304.7	3264.7	2958.9	2939.7	2880.3	2935.5	3092.7	3288.1	3379.4
47.5°	12714.8	10854.1	7406.7	2961.0	2863.3	2725.2	2657.2	2776.2	2954.6	3152.1	3262.6
50°	14157.0	12132.8	7377.0	2767.7	2780.4	2504.3	2480.9	2638.1	2829.3	3035.3	3156.4
52.5°	15299.8	13388.1	7039.2	2582.9	2619.0	2364.1	2296.1	2525.5	2708.2	2918.5	3043.8
55°	16172.8	13810.8	6002.7	2364.1	2355.6	2262.2	2119.8	2408.7	2587.1	2782.6	2918.5
57.5°	15461.2	12869.8	4450.0	2062.5	2011.5	2060.4	1922.3	2211.2	2438.5	2631.7	2752.8
60°	12831.6	10261.5	2478.8	1826.7	1682.3	1801.2	1780.0	2003.0	2277.0	2480.9	2585.0
62.5°	8710.9	6833.2	1469.9	1444.4	1363.7	1533.6	1646.2	1792.7	2062.5	2228.2	2325.9
65°	4341.6	3319.9	977.1	1081.2	1091.8	1261.7	1474.1	1635.5	1860.7	2030.6	2128.3
67.5°	1259.6	1032.3	743.4	826.3	941.0	1076.9	1246.8	1438.0	1656.8	1858.6	1973.3
70°	543.8	550.1	590.5	688.2	800.8	941.0	1110.9	1297.8	1482.6	1637.7	1724.8
72.5°	384.5	399.3	443.9	543.8	650.0	783.8	953.7	1134.3	1268.1	1425.3	1516.6
75°	246.4	257.0	293.1	369.6	448.2	577.8	739.2	904.9	1042.9	1155.5	1242.6
77.5°	135.9	138.1	167.8	212.4	265.5	348.4	467.3	596.9	698.8	762.5	841.1
80°	78.6	78.6	93.5	121.1	152.9	203.9	269.8	333.5	395.1	435.4	473.7
82.5°	42.5	42.5	48.9	65.8	82.8	112.6	150.8	182.7	220.9	242.1	267.6
85°	12.7	12.7	17.0	23.4	29.7	42.5	59.5	76.5	93.5	108.3	123.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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: P640189

CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2
2.5°	4509.4	4479.7	4462.7	4441.5	4447.8	4428.7	4418.1	4424.5	4386.2	4424.5	4462.7
5°	4320.4	4277.9	4243.9	4216.3	4203.6	4178.1	4163.2	4163.2	4139.8	4178.1	4224.8
7.5°	4154.7	4120.7	4103.7	4086.7	4067.6	4044.3	4018.8	4010.3	3995.4	4035.8	4076.1
10°	4044.3	4048.5	4059.1	4082.5	4078.2	4063.4	4025.1	4003.9	4003.9	4050.6	4112.2
12.5°	4095.2	4139.8	4165.3	4207.8	4216.3	4203.6	4165.3	4148.3	4190.8	4260.9	4362.9
15°	4292.8	4322.5	4343.8	4377.7	4375.6	4365.0	4335.3	4348.0	4488.2	4624.1	4715.5
17.5°	4507.3	4473.3	4469.1	4490.3	4496.7	4483.9	4467.0	4524.3	4755.8	4883.3	4930.0
20°	4662.4	4545.5	4520.1	4528.6	4545.5	4539.2	4539.2	4632.6	4872.7	4932.1	4872.7
22.5°	4709.1	4543.4	4505.2	4507.3	4530.7	4532.8	4543.4	4641.1	4781.3	4783.4	4692.1
25°	4634.8	4475.4	4447.8	4452.1	4479.7	4477.6	4481.8	4537.0	4598.6	4573.2	4505.2
27.5°	4494.6	4356.5	4348.0	4371.4	4407.5	4388.4	4375.6	4390.5	4420.2	4388.4	4328.9
30°	4335.3	4218.4	4222.7	4267.3	4305.5	4273.7	4241.8	4250.3	4252.4	4218.4	4150.5
32.5°	4167.5	4080.4	4095.2	4142.0	4186.6	4152.6	4118.6	4114.4	4074.0	4033.6	3967.8
35°	3999.7	3965.7	3984.8	4023.0	4061.3	4033.6	4012.4	3999.7	3912.6	3853.1	3797.9
37.5°	3846.7	3872.2	3906.2	3929.6	3942.3	3940.2	3927.4	3897.7	3783.0	3712.9	3640.7
40°	3710.8	3789.4	3825.5	3836.1	3855.2	3851.0	3848.8	3806.4	3655.6	3581.2	3498.4
42.5°	3587.6	3698.0	3759.6	3770.3	3780.9	3783.0	3776.6	3715.0	3543.0	3455.9	3377.3
45°	3468.6	3613.1	3691.7	3681.0	3695.9	3695.9	3702.3	3621.6	3432.5	3343.3	3260.5
47.5°	3364.6	3534.5	3606.7	3594.0	3602.4	3608.8	3615.2	3521.7	3311.4	3226.5	3141.5
50°	3269.0	3449.5	3511.1	3515.4	3515.4	3530.2	3528.1	3436.8	3209.5	3118.2	3033.2
52.5°	3167.0	3362.4	3428.3	3455.9	3464.4	3470.8	3441.0	3334.8	3105.4	2995.0	2916.4
55°	3048.1	3273.2	3332.7	3368.8	3385.8	3381.5	3341.2	3232.9	2999.2	2888.8	2799.5
57.5°	2867.5	3082.0	3167.0	3184.0	3211.6	3194.6	3147.9	3056.6	2829.3	2718.8	2627.5
60°	2670.0	2825.0	2893.0	2907.9	2886.6	2893.0	2886.6	2799.5	2602.0	2514.9	2421.5
62.5°	2410.8	2548.9	2621.1	2640.2	2604.1	2627.5	2619.0	2510.7	2313.1	2221.8	2139.0
65°	2215.4	2366.2	2451.2	2461.8	2451.2	2461.8	2432.1	2300.4	2113.5	2020.0	1935.0
67.5°	2062.5	2217.5	2306.8	2336.5	2325.9	2323.8	2277.0	2124.1	1930.8	1828.8	1720.5
70°	1799.1	1935.0	2049.7	2122.0	2122.0	2081.6	1992.4	1850.1	1695.0	1607.9	1523.0
72.5°	1593.1	1765.1	1877.7	1952.0	1966.9	1943.5	1818.2	1667.4	1489.0	1401.9	1312.7
75°	1312.7	1480.5	1601.6	1699.3	1718.4	1692.9	1548.5	1399.8	1234.1	1149.1	1059.9
77.5°	877.2	977.1	1074.8	1164.0	1144.9	1161.9	1064.2	951.6	849.6	785.9	745.6
80°	494.9	560.8	590.5	639.3	639.3	639.3	575.6	522.5	465.2	429.1	388.7
82.5°	280.4	322.9	335.6	376.0	386.6	388.7	346.2	312.2	276.1	257.0	229.4
85°	129.6	152.9	155.1	178.4	186.9	203.9	184.8	161.4	140.2	131.7	114.7
87.5°	4.2	12.7	17.0	31.9	42.5	48.9	53.1	53.1	44.6	40.4	34.0
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: P640189
 CATALOG NUMBER: GWS-SA5D-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2	4762.2
2.5°	4509.4	4560.4	4619.9	4662.4	4738.8	4802.6	4868.4	4940.6	4993.7	4981.0
5°	4282.2	4367.1	4475.4	4575.3	4717.6	4862.0	5021.3	5184.9	5280.5	5276.2
7.5°	4154.7	4275.8	4407.5	4541.3	4709.1	4917.3	5161.5	5416.4	5546.0	5552.4
10°	4222.7	4352.3	4441.5	4554.0	4730.3	4991.6	5284.7	5590.6	5739.3	5769.0
12.5°	4437.2	4426.6	4420.2	4500.9	4713.3	5044.7	5403.7	5769.0	5936.8	5972.9
15°	4641.1	4422.3	4290.7	4345.9	4636.9	5078.7	5520.5	5964.4	6153.5	6191.7
17.5°	4679.4	4348.0	4103.7	4142.0	4515.8	5089.3	5633.1	6155.6	6359.5	6395.6
20°	4573.2	4252.4	3967.8	3914.7	4362.9	5061.7	5703.2	6314.9	6537.9	6576.2
22.5°	4439.3	4167.5	3865.8	3727.8	4176.0	5034.1	5781.8	6482.7	6739.7	6773.7
25°	4299.1	4059.1	3770.3	3560.0	3963.5	5017.1	5913.5	6703.6	7013.7	7054.1
27.5°	4150.5	3927.4	3687.4	3479.3	3768.1	5038.3	6100.4	7060.5	7413.1	7470.4
30°	3991.2	3795.7	3634.3	3451.6	3634.3	5057.4	6306.4	7425.8	7840.0	7920.7
32.5°	3825.5	3674.7	3579.1	3464.4	3551.5	5012.8	6487.0	7835.8	8349.8	8419.9
35°	3659.8	3551.5	3509.0	3487.7	3441.0	4849.3	6633.5	8249.9	8931.8	8993.4
37.5°	3504.7	3424.0	3411.3	3434.6	3271.1	4581.7	6803.4	8776.7	9503.2	9596.6
40°	3360.3	3286.0	3283.8	3279.6	3084.2	4216.3	7032.8	9312.0	10066.0	10108.5
42.5°	3226.5	3133.0	3150.0	3099.0	2931.2	3821.2	7249.5	9768.7	10590.7	10620.4
45°	3107.5	2984.3	3003.5	2939.7	2859.0	3407.0	7440.7	10308.2	11255.5	11274.6
47.5°	2992.8	2861.1	2808.0	2803.8	2846.3	3024.7	7627.6	11346.9	12296.3	12330.3
50°	2886.6	2744.3	2593.5	2687.0	2767.7	2737.9	7861.2	12459.9	13371.1	13362.6
52.5°	2784.7	2597.8	2383.2	2563.8	2563.8	2525.5	7795.4	13135.3	14259.0	14405.6
55°	2667.9	2362.0	2164.4	2357.7	2264.3	2334.4	6629.3	13356.3	14817.6	15025.8
57.5°	2436.3	2071.0	1898.9	2003.0	1862.8	2164.4	4762.2	12260.2	13868.2	14237.7
60°	2213.3	1856.5	1743.9	1724.8	1542.1	1765.1	3086.3	9598.7	11414.8	11601.8
62.5°	1952.0	1671.7	1576.1	1429.5	1240.5	1285.1	1869.2	6317.0	7670.1	7712.6
65°	1754.5	1514.5	1331.8	1157.6	1015.3	932.5	1104.5	3045.9	3834.0	3783.0
67.5°	1506.0	1297.8	1123.6	998.3	881.5	777.4	734.9	904.9	1023.8	989.8
70°	1340.3	1140.6	972.8	853.9	745.6	641.5	567.1	533.1	522.5	514.0
72.5°	1155.5	981.3	807.2	692.5	590.5	494.9	426.9	386.6	376.0	367.5
75°	921.9	758.3	599.0	490.7	401.5	333.5	288.9	254.9	248.5	240.0
77.5°	609.6	486.4	356.8	291.0	237.9	201.8	172.1	150.8	146.6	142.3
80°	335.6	280.4	218.8	176.3	142.3	123.2	112.6	99.8	97.7	95.6
82.5°	199.7	167.8	125.3	99.8	82.8	74.3	68.0	61.6	59.5	57.4
85°	99.8	78.6	55.2	46.7	42.5	38.2	38.2	31.9	29.7	29.7
87.5°	25.5	21.2	12.7	10.6	10.6	10.6	8.5	6.4	6.4	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)