

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: P643154

Luminaire Tested: GWS-SA6E-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-735-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23674.7 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

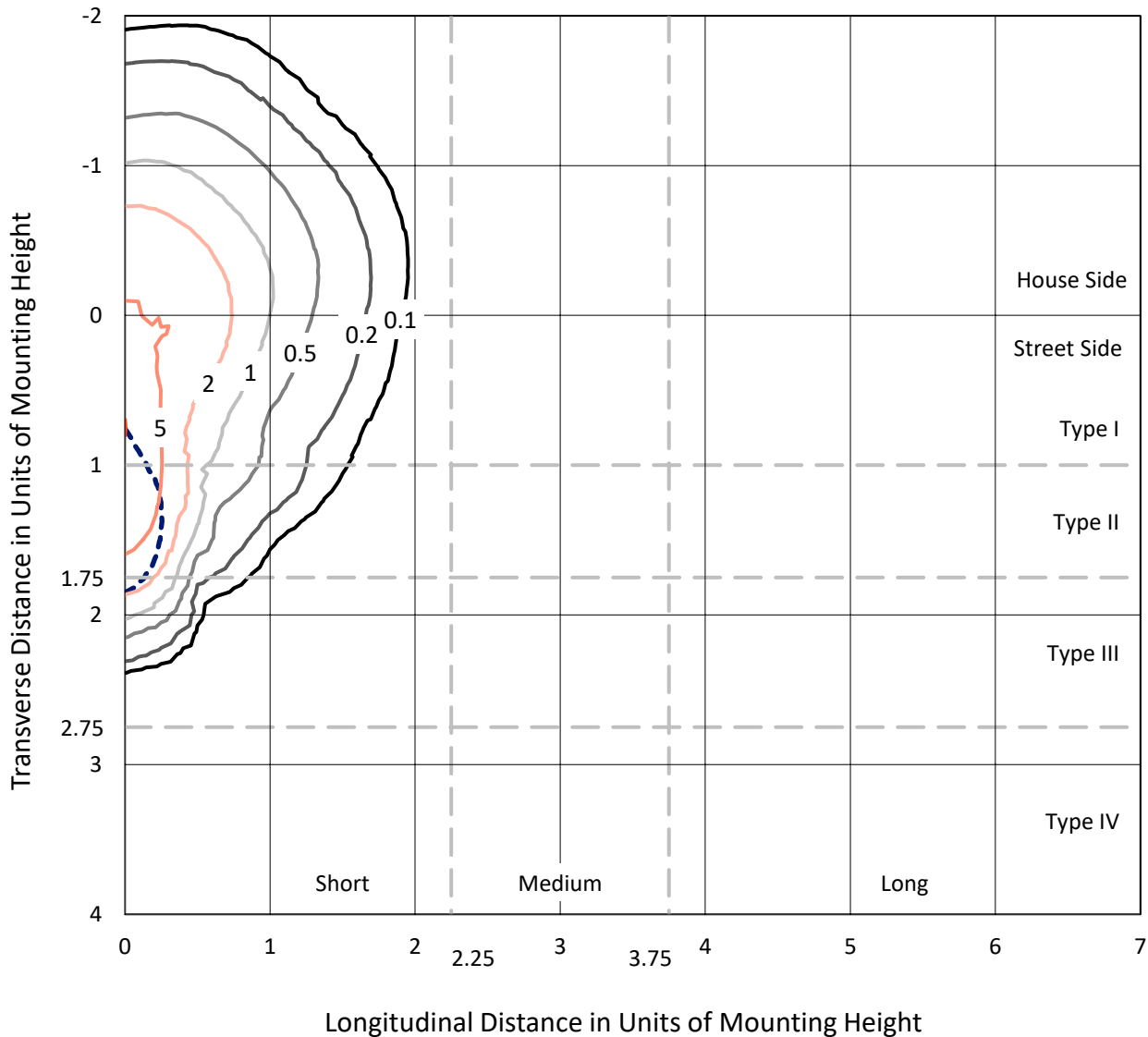
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643154
 CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

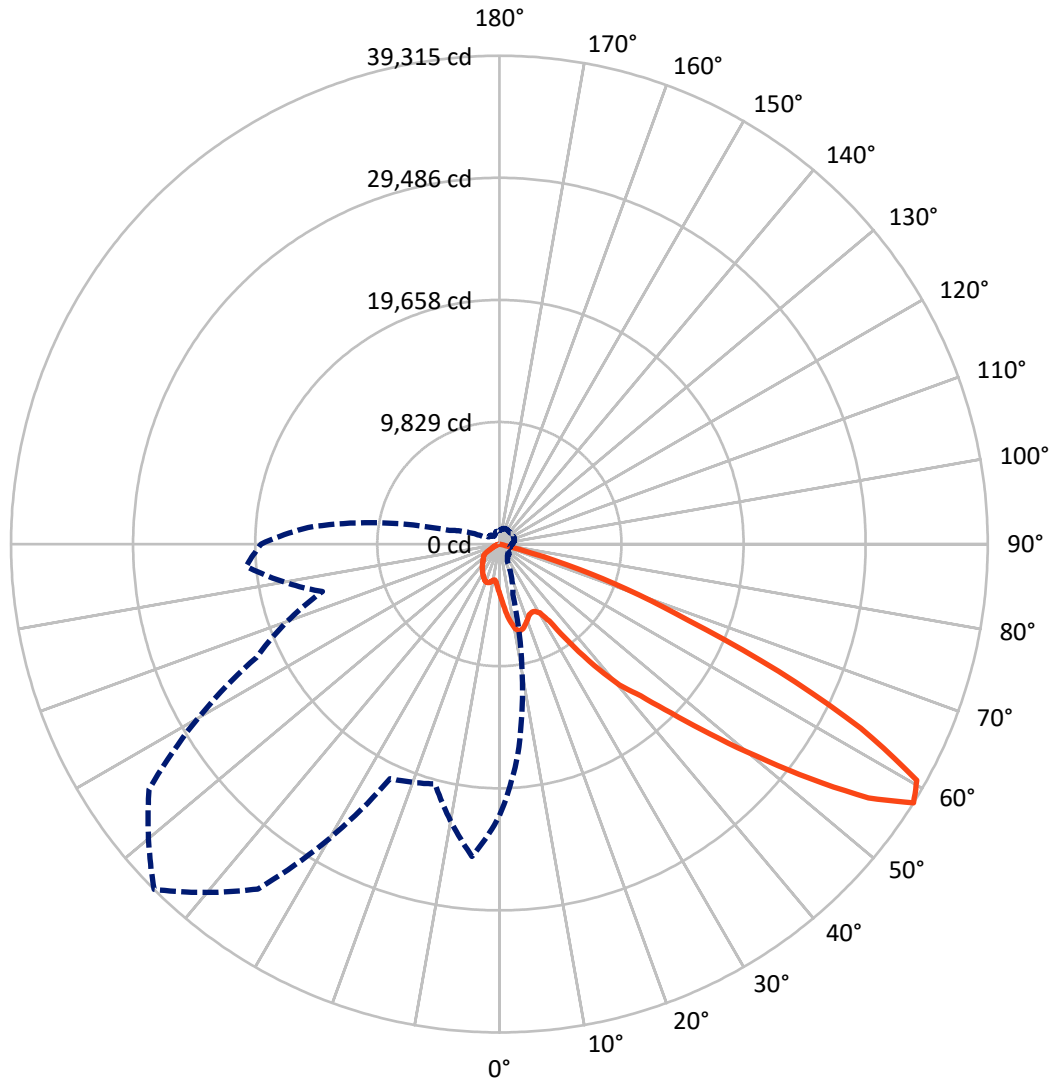
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

REPORT NUMBER: P643154
CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643154
 CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5100.3	0.0	5100.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	18574.4	0.0	18574.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	23674.7	0.0	23674.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.6	1.7
10°-20°	1308.3	5.5
20°-30°	2123.2	9.0
30°-40°	3258.6	13.8
40°-50°	5204.2	22.0
50°-60°	7286.9	30.8
60°-70°	3736.2	15.8
70°-80°	359.7	1.5
80°-90°	0.0	0.0
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°	23674.7	100.0
0°-180°	23674.7	100.0

Coefficient of Utilization



REPORT NUMBER: P643154

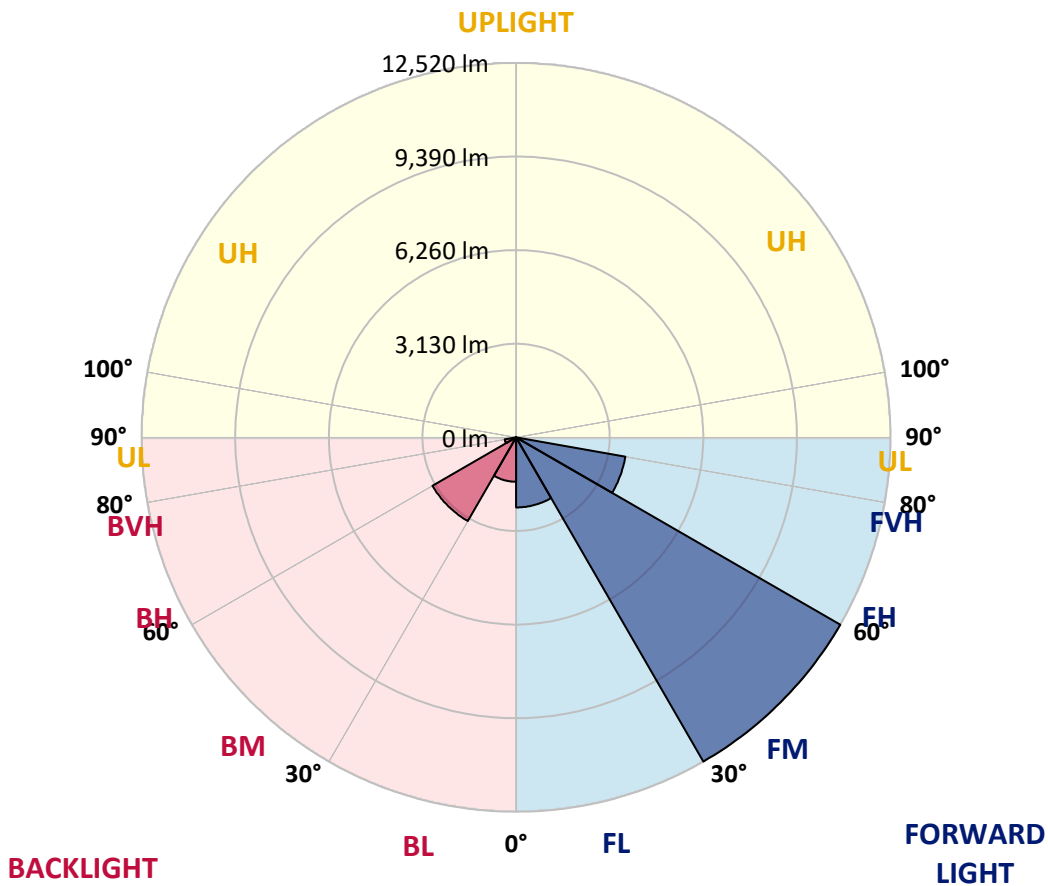
CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2343.9	9.9			
FM (30°-60°)	12519.7	52.9			
FH (60°-80°)	3710.7	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1485.1	6.3	B3/2500		
BM (30°-60°)	3230.0	13.6	B3/5000		
BH (60°-80°)	385.2	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P643154

CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7
2.5°	4468.9	4459.4	4427.8	4320.2	4253.7	4149.3	4073.3	3975.2	3867.6	3801.1	3734.7
5°	4943.7	4918.4	4832.9	4586.0	4396.1	4190.4	4025.8	3845.4	3652.4	3525.8	3408.7
7.5°	5399.4	5361.5	5247.5	4829.8	4541.7	4247.4	4013.2	3750.5	3478.3	3288.4	3142.8
10°	5845.7	5760.3	5579.8	5067.1	4677.8	4323.4	4048.0	3747.3	3427.7	3187.1	3025.7
12.5°	6212.8	6149.5	5902.7	5291.8	4791.8	4339.2	4000.5	3722.0	3506.8	3345.4	3196.6
15°	6529.3	6459.7	6225.5	5494.4	4889.9	4275.9	3801.1	3557.4	3592.2	3655.5	3528.9
17.5°	6820.5	6747.7	6494.5	5662.1	4927.9	4120.8	3522.6	3405.5	3598.6	3835.9	3788.5
20°	7121.2	7038.9	6728.7	5798.2	4915.2	3877.1	3240.9	3275.7	3547.9	3820.1	3845.4
22.5°	7472.5	7387.0	7026.2	5972.3	4905.7	3585.9	2997.2	3161.8	3453.0	3684.0	3728.3
25°	7937.8	7836.5	7440.9	6228.7	4931.0	3320.1	2823.2	3051.0	3291.6	3500.5	3525.8
27.5°	8551.8	8422.0	7918.8	6545.2	4984.8	3111.2	2747.2	2899.1	3085.8	3272.6	3294.7
30°	9352.5	9187.9	8466.3	6820.5	4959.5	2965.6	2696.6	2747.2	2858.0	3009.9	3013.1
32.5°	10289.3	10064.6	9080.3	7057.9	4741.1	2858.0	2626.9	2592.1	2617.4	2734.5	2756.7
35°	11390.7	11099.6	9757.6	7282.6	4342.3	2649.1	2500.3	2383.2	2373.7	2430.7	2484.5
37.5°	12653.6	12305.4	10612.2	7570.6	3870.8	2430.7	2313.6	2196.5	2145.9	2174.3	2256.6
40°	13818.3	13432.2	11504.7	7918.8	3389.7	2234.5	2095.2	1974.9	1914.8	1924.3	2025.6
42.5°	15185.5	14786.8	12596.6	8374.5	2990.9	2101.5	1867.3	1743.9	1664.8	1709.1	1826.2
45°	17261.8	16809.2	14188.6	8770.1	2674.4	2069.9	1667.9	1493.9	1455.9	1531.8	1671.1
47.5°	20097.6	19543.7	16375.6	9010.7	2405.4	2098.4	1528.7	1291.3	1300.8	1386.3	1525.5
50°	22911.2	22313.1	18904.4	8694.2	2183.8	2041.4	1459.1	1133.1	1193.2	1269.2	1395.8
52.5°	24845.0	24066.5	20135.6	7779.5	1981.3	1826.2	1452.7	984.3	1098.2	1123.6	1231.2
55°	24921.0	23962.0	19505.7	6133.7	1705.9	1541.3	1386.3	860.9	993.8	1003.3	1095.1
57.5°	21844.7	20977.4	17046.6	4212.6	1516.0	1129.9	1104.6	753.3	816.6	895.7	952.7
60°	16619.3	15881.8	12748.5	1930.6	1152.1	718.4	756.4	648.8	610.8	727.9	784.9
62.5°	10178.6	9707.0	7646.6	854.5	734.3	383.0	458.9	515.9	458.9	503.2	550.7
65°	4041.7	3832.8	2902.3	364.0	300.7	193.1	208.9	300.7	322.8	354.5	398.8
67.5°	702.6	664.6	487.4	161.4	123.4	117.1	101.3	139.3	196.2	218.4	253.2
70°	91.8	88.6	79.1	66.5	63.3	57.0	44.3	88.6	132.9	139.3	161.4
72.5°	22.2	19.0	19.0	15.8	19.0	6.3	6.3	47.5	94.9	98.1	113.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	60.1	66.5	79.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P643154

CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7
2.5°	3680.9	3617.6	3595.4	3563.8	3522.6	3535.3	3478.3	3459.3	3487.8	3525.8	3516.3
5°	3345.4	3275.7	3228.3	3155.5	3142.8	3114.3	3095.3	3070.0	3101.7	3146.0	3155.5
7.5°	3079.5	3019.4	2971.9	2949.8	2933.9	2921.3	2883.3	2864.3	2864.3	2883.3	2899.1
10°	2965.6	2921.3	2911.8	2918.1	2943.4	2940.3	2905.4	2880.1	2848.5	2832.7	2851.6
12.5°	3123.8	3051.0	3038.4	3041.5	3073.2	3070.0	3032.0	3000.4	2994.1	3000.4	3060.5
15°	3392.9	3282.1	3199.8	3184.0	3199.8	3193.5	3165.0	3146.0	3155.5	3247.3	3348.5
17.5°	3633.4	3462.5	3313.7	3256.8	3253.6	3244.1	3215.6	3209.3	3256.8	3427.7	3576.4
20°	3703.0	3535.3	3323.2	3250.4	3234.6	3225.1	3193.5	3203.0	3263.1	3468.8	3595.4
22.5°	3611.2	3449.8	3228.3	3155.5	3142.8	3139.7	3108.0	3120.7	3171.3	3351.7	3456.2
25°	3437.2	3301.1	3070.0	3006.7	3006.7	3000.4	2971.9	2978.2	3009.9	3168.1	3269.4
27.5°	3225.1	3095.3	2902.3	2839.0	2848.5	2858.0	2823.2	2813.7	2839.0	2987.7	3047.9
30°	2981.4	2889.6	2737.7	2680.7	2677.6	2715.5	2668.1	2655.4	2690.2	2807.3	2820.0
32.5°	2744.0	2699.7	2592.1	2547.8	2551.0	2557.3	2532.0	2532.0	2563.6	2626.9	2623.8
35°	2513.0	2484.5	2465.5	2433.9	2430.7	2418.0	2418.0	2424.4	2459.2	2481.3	2440.2
37.5°	2291.4	2319.9	2342.1	2310.4	2285.1	2285.1	2285.1	2313.6	2345.2	2335.8	2266.1
40°	2095.2	2155.3	2225.0	2190.2	2130.0	2126.9	2139.5	2187.0	2234.5	2177.5	2114.2
42.5°	1927.5	2003.4	2101.5	2082.6	2016.1	2006.6	2016.1	2076.2	2114.2	2041.4	1971.8
45°	1762.9	1857.8	1974.9	1974.9	1902.1	1892.7	1895.8	1974.9	1997.1	1911.6	1823.0
47.5°	1623.6	1728.1	1851.5	1851.5	1791.4	1772.4	1788.2	1870.5	1886.3	1766.1	1683.8
50°	1490.7	1604.6	1740.7	1731.2	1690.1	1674.3	1702.8	1791.4	1772.4	1639.5	1554.0
52.5°	1323.0	1443.2	1630.0	1639.5	1617.3	1620.5	1655.3	1712.3	1658.4	1497.0	1424.2
55°	1171.0	1294.5	1481.2	1531.8	1531.8	1528.7	1544.5	1588.8	1544.5	1351.4	1262.8
57.5°	1006.5	1110.9	1266.0	1278.6	1288.1	1253.3	1275.5	1335.6	1313.5	1148.9	1098.2
60°	826.1	914.7	1003.3	1012.8	971.6	898.9	940.0	1009.6	1025.5	902.0	845.0
62.5°	585.5	671.0	775.4	775.4	734.3	661.5	715.3	775.4	753.3	626.7	591.9
65°	436.8	515.9	595.0	629.8	595.0	544.4	585.5	629.8	595.0	490.6	439.9
67.5°	281.7	335.5	383.0	411.4	417.8	411.4	430.4	417.8	376.6	307.0	278.5
70°	170.9	199.4	224.7	250.0	269.0	278.5	288.0	259.5	218.4	180.4	170.9
72.5°	123.4	148.8	170.9	189.9	212.1	218.4	218.4	199.4	161.4	126.6	117.1
75°	85.5	107.6	126.6	139.3	158.2	164.6	164.6	148.8	120.3	91.8	82.3
77.5°	3.2	22.2	22.2	19.0	25.3	31.6	31.6	38.0	34.8	25.3	22.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P643154

CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7
2.5°	3535.3	3649.2	3680.9	3798.0	3902.4	4006.9	4133.5	4209.4	4323.4	4402.5	4446.8
5°	3187.1	3282.1	3396.0	3570.1	3750.5	3949.9	4190.4	4399.3	4662.0	4855.1	4918.4
7.5°	2933.9	3057.4	3190.3	3408.7	3655.5	3921.4	4260.1	4601.9	5003.8	5266.5	5434.3
10°	2886.5	3013.1	3190.3	3405.5	3665.0	3968.9	4383.5	4826.6	5329.8	5649.5	5839.4
12.5°	3114.3	3250.4	3326.4	3424.5	3620.7	3959.4	4491.1	5054.5	5646.3	5994.5	6197.0
15°	3449.8	3570.1	3446.7	3323.2	3449.8	3858.1	4551.2	5244.4	5924.8	6326.8	6535.7
17.5°	3680.9	3690.4	3421.3	3158.6	3193.5	3674.5	4573.4	5434.3	6222.3	6643.3	6861.7
20°	3658.7	3582.8	3310.6	3019.4	2911.8	3437.2	4548.1	5602.0	6523.0	6962.9	7178.2
22.5°	3487.8	3399.2	3168.1	2883.3	2674.4	3155.5	4503.8	5753.9	6798.4	7298.4	7501.0
25°	3282.1	3187.1	2997.2	2747.2	2522.5	2883.3	4468.9	5962.8	7146.5	7735.2	7893.4
27.5°	3041.5	2959.3	2797.8	2617.4	2459.2	2677.6	4459.4	6238.2	7567.5	8266.9	8377.7
30°	2807.3	2731.4	2604.8	2500.3	2433.9	2557.3	4427.8	6532.5	8070.7	8877.8	8998.0
32.5°	2582.6	2506.7	2427.5	2411.7	2414.9	2513.0	4320.2	6823.7	8668.9	9763.9	9852.6
35°	2389.6	2300.9	2269.3	2307.3	2376.9	2437.0	4016.4	7064.2	9311.4	10729.3	10802.1
37.5°	2206.0	2117.4	2114.2	2206.0	2281.9	2319.9	3658.7	7301.6	10178.6	11710.4	11802.2
40°	2038.2	1949.6	1981.3	2092.0	2152.2	2171.2	3225.1	7662.4	11096.4	12745.4	12694.7
42.5°	1895.8	1804.0	1823.0	1965.4	2019.3	2069.9	2826.3	7963.1	11979.4	13726.5	13710.7
45°	1756.6	1686.9	1674.3	1829.4	1876.8	2079.4	2535.1	8194.1	13115.7	14976.7	15002.0
47.5°	1620.5	1566.7	1569.8	1636.3	1753.4	2126.9	2288.3	8346.0	14764.6	16957.9	16518.0
50°	1497.0	1455.9	1490.7	1414.7	1674.3	2066.7	2076.2	8314.4	16606.6	18856.9	17973.9
52.5°	1360.9	1351.4	1367.3	1183.7	1547.7	1823.0	1876.8	7893.4	17470.7	20154.6	19651.3
55°	1221.7	1218.5	1091.9	946.3	1294.5	1455.9	1607.8	6586.3	17442.2	20844.5	21455.4
57.5°	1057.1	1031.8	829.2	772.3	1006.5	1012.8	1465.4	4313.9	15457.7	19192.4	20458.4
60°	800.7	781.7	607.7	626.7	702.6	648.8	1167.9	2149.0	11552.2	14951.3	16378.7
62.5°	553.9	528.6	452.6	484.2	452.6	370.3	715.3	1063.4	6997.8	9441.1	10735.6
65°	405.1	376.6	310.2	265.9	212.1	212.1	272.2	408.3	2709.2	4013.2	4839.2
67.5°	250.0	237.4	183.6	132.9	129.8	139.3	142.4	202.6	436.8	696.3	851.4
70°	161.4	148.8	123.4	85.5	79.1	82.3	85.5	94.9	110.8	120.3	145.6
72.5°	110.8	104.4	88.6	47.5	38.0	41.1	44.3	44.3	53.8	50.6	60.1
75°	79.1	72.8	63.3	22.2	12.7	15.8	19.0	15.8	19.0	12.7	15.8
77.5°	22.2	22.2	15.8	3.2	0.0	3.2	6.3	6.3	3.2	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P643154

CATALOG NUMBER: GWS-SA6E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7	4022.7
2.5°	4560.7	4633.5	4662.0	4620.9	4655.7	4598.7	4576.6	4491.1	4484.8	4468.9
5°	5174.7	5339.3	5437.4	5497.6	5427.9	5352.0	5238.0	5041.8	4981.7	4943.7
7.5°	5779.2	6035.6	6203.3	6282.5	6263.5	6108.4	5902.7	5573.5	5456.4	5399.4
10°	6304.6	6618.0	6820.5	6918.6	6877.5	6741.4	6447.1	6035.6	5880.5	5845.7
12.5°	6671.8	6959.8	7099.0	7184.5	7187.7	7133.9	6855.3	6440.7	6257.2	6212.8
15°	6902.8	7026.2	7029.4	7080.0	7168.7	7288.9	7159.2	6792.0	6595.8	6529.3
17.5°	7048.4	6912.3	6773.0	6785.7	6931.3	7251.0	7383.9	7102.2	6893.3	6820.5
20°	7152.8	6722.4	6462.9	6466.0	6614.8	7099.0	7539.0	7402.9	7187.7	7121.2
22.5°	7219.3	6554.7	6184.4	6174.9	6333.1	6918.6	7681.4	7760.5	7548.5	7472.5
25°	7355.4	6475.5	6016.6	6070.4	6209.7	6861.7	7874.5	8235.3	8039.0	7937.8
27.5°	7599.1	6554.7	6000.8	6124.2	6282.5	7029.4	8209.9	8868.3	8665.7	8551.8
30°	8020.0	6852.2	6244.5	6415.4	6605.3	7469.3	8773.3	9751.3	9460.1	9352.5
32.5°	8697.3	7469.3	6997.8	7364.9	7548.5	8191.0	9618.4	10741.9	10504.5	10289.3
35°	9631.0	8877.8	8823.9	9678.5	9634.2	9558.2	10656.5	11957.3	11599.6	11390.7
37.5°	10916.0	11143.9	11542.7	12390.9	12362.4	11783.2	12020.6	13106.2	12922.6	12653.6
40°	12520.6	13004.9	13682.2	14897.5	14517.7	13789.8	13694.8	14283.5	14134.8	13818.3
42.5°	13467.0	14302.5	15593.8	16685.7	16381.9	15109.6	15002.0	15856.5	15530.5	15185.5
45°	13906.9	15359.6	17891.6	19369.6	18448.6	15986.3	15945.1	17907.4	17723.9	17261.8
47.5°	14109.5	16426.2	20581.8	22819.5	21097.7	16755.4	16606.6	20882.5	20642.0	20097.6
50°	14334.2	17897.9	23822.8	26816.8	24297.5	17625.7	17733.4	23655.0	23553.7	22911.2
52.5°	14827.9	19455.1	27813.8	31387.0	28177.8	18989.8	19667.2	26269.3	25585.7	24845.0
55°	15568.5	21151.5	31966.2	36055.4	32137.1	20822.4	21759.2	27658.7	25740.7	24921.0
57.5°	14748.8	21575.6	34425.4	39315.3	33893.7	20828.7	19990.0	25250.2	22639.1	21844.7
60°	11704.1	20072.3	33479.1	38609.5	32396.7	18496.1	15305.8	19714.6	17151.0	16619.3
62.5°	7912.4	16834.5	29472.2	32653.0	27728.3	14549.4	9947.5	12821.3	10618.5	10178.6
65°	4336.0	12558.6	23813.3	24702.6	21702.2	10162.7	5117.8	5564.0	4237.9	4041.7
67.5°	1196.4	8741.7	17521.3	16388.2	15226.7	6618.0	1323.0	993.8	709.0	702.6
70°	300.7	5782.4	10498.2	10821.0	9336.7	4237.9	253.2	120.3	94.9	91.8
72.5°	126.6	2487.7	4981.7	5725.4	4779.1	1962.3	91.8	34.8	28.5	22.2
75°	15.8	199.4	424.1	642.5	439.9	212.1	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)