

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: P642666

Luminaire Tested: GWS-SA6D-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33452.7 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

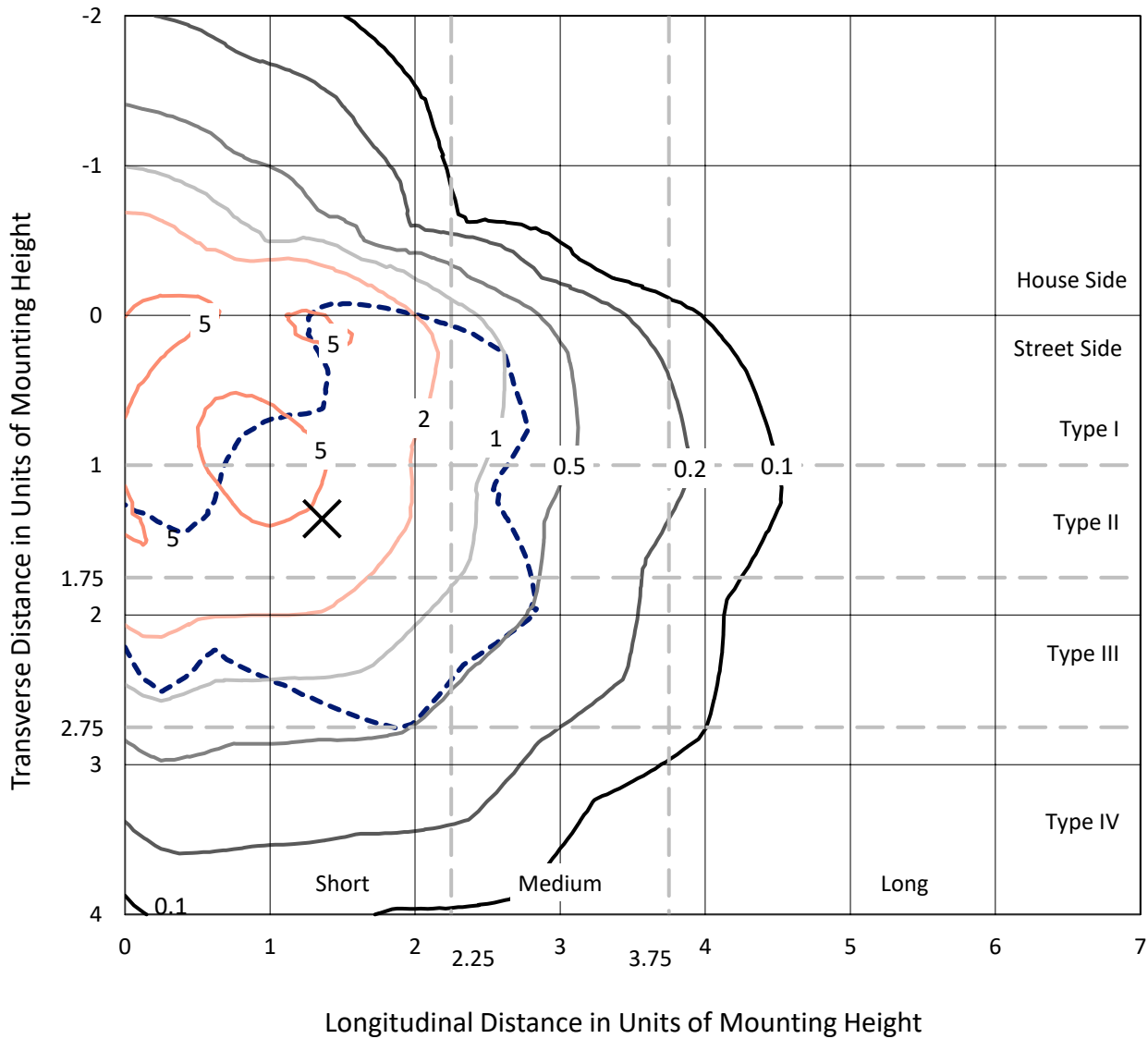
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642666
 CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

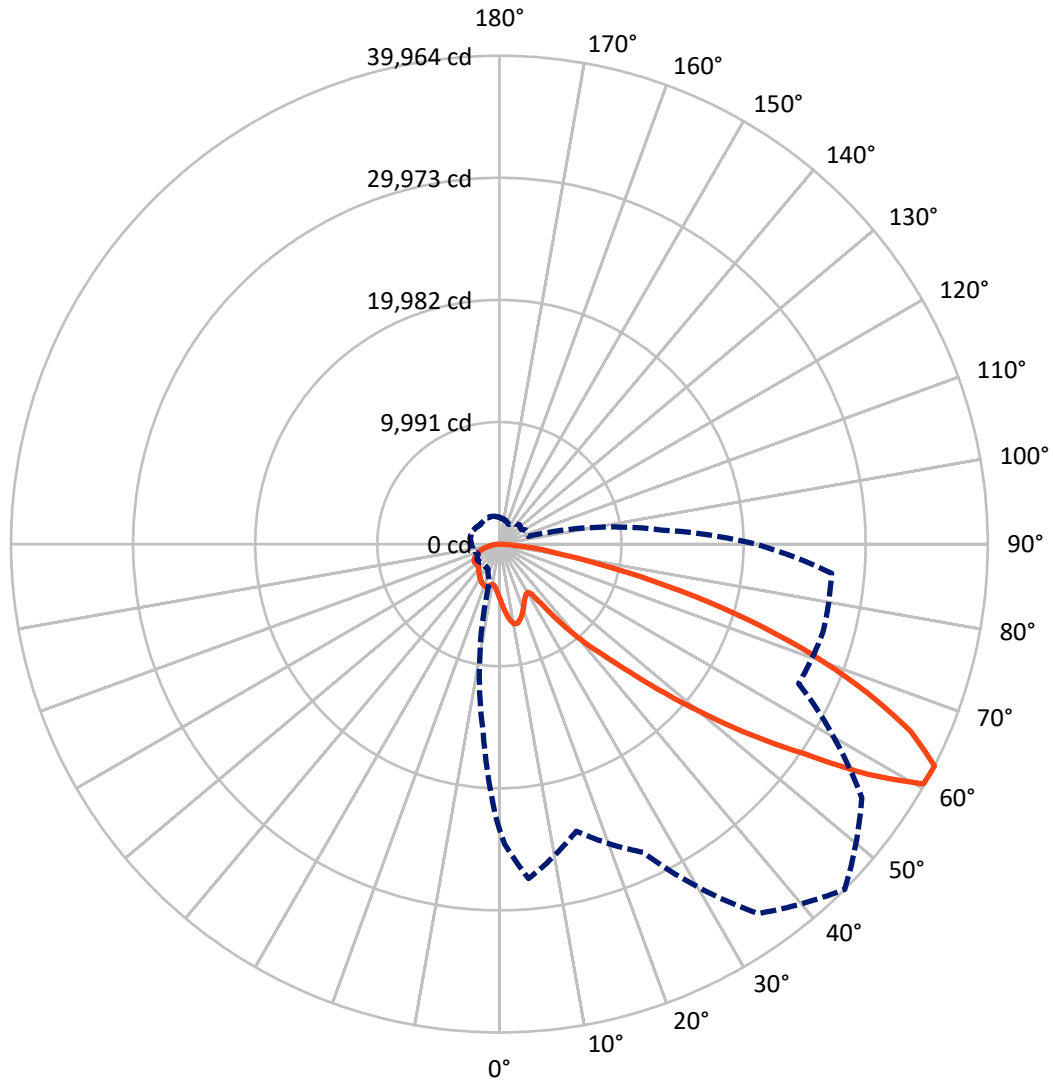
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

REPORT NUMBER: P642666
CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P642666

CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7982.4	0.0	7982.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	25470.3	0.0	25470.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	33452.7	0.0	33452.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.6	1.3
10°-20°	1359.3	4.1
20°-30°	2111.3	6.3
30°-40°	2866.6	8.6
40°-50°	4543.3	13.6
50°-60°	8014.3	24.0
60°-70°	8917.1	26.7
70°-80°	4522.4	13.5
80°-90°	684.8	2.0
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°	33452.7	100.0
0°-180°	33452.7	100.0

Coefficient of Utilization



REPORT NUMBER: P642666

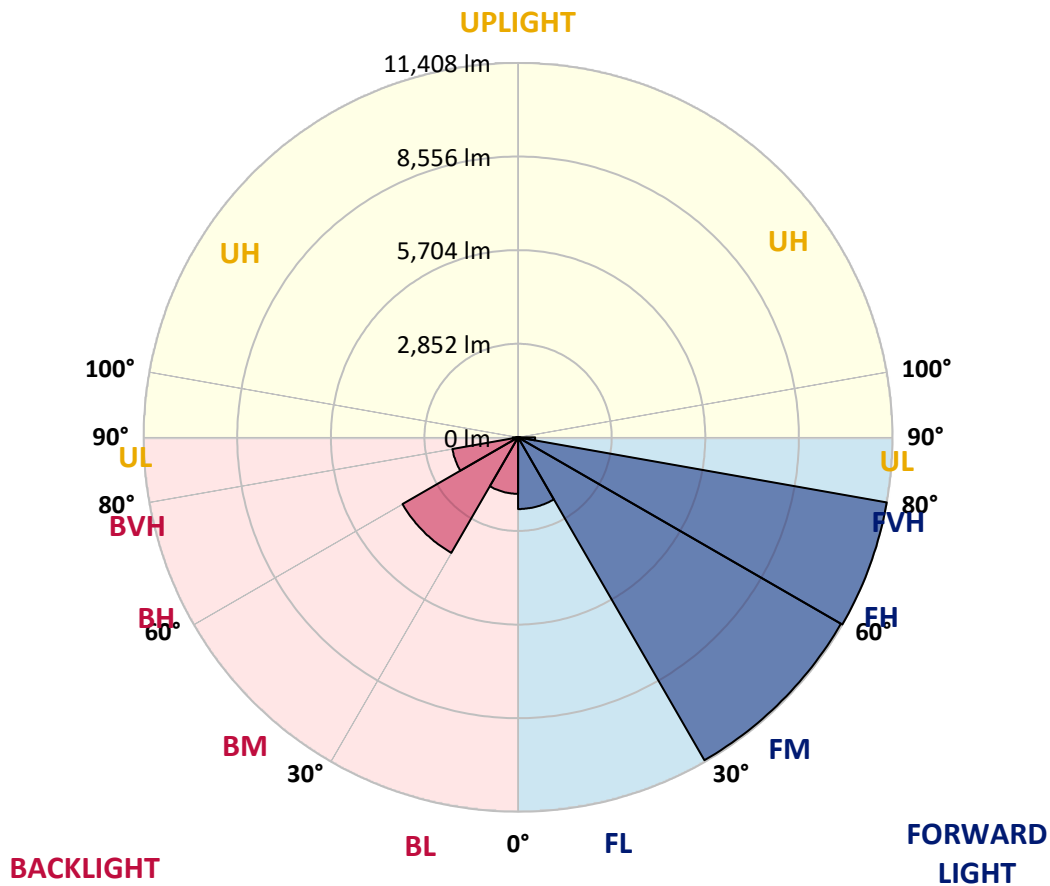
CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2184.2	6.5			
FM (30°-60°)	11358.6	34.0			
FH (60°-80°)	11407.7	34.1			G4/12000
FVH (80°-90°)	519.8	1.6			G4/750
BL (0°-30°)	1720.0	5.1	B3/2500		
BM (30°-60°)	4065.5	12.2	B3/5000		
BH (60°-80°)	2031.9	6.1	B3/2500		G3/2500
BVH (80°-90°)	165.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





REPORT NUMBER: P642666
 CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9
2.5°	4771.6	4769.1	4817.2	4890.7	4959.1	4989.5	5040.1	5035.0	4994.5	4941.3	4923.6
5°	5146.5	5156.6	5240.2	5402.3	5582.1	5658.1	5691.0	5678.4	5604.9	5511.2	5346.6
7.5°	5485.9	5503.6	5632.8	5875.9	6098.8	6200.1	6281.1	6265.9	6159.6	5984.8	5741.7
10°	5734.1	5754.3	5908.8	6195.0	6443.2	6531.9	6635.7	6640.8	6547.1	6311.5	6063.3
12.5°	5982.3	6002.5	6146.9	6407.8	6569.9	6572.4	6633.2	6666.1	6671.2	6562.3	6314.1
15°	6240.6	6258.3	6390.1	6536.9	6529.3	6387.5	6387.5	6450.8	6590.1	6668.6	6496.4
17.5°	6461.0	6483.8	6585.1	6536.9	6311.5	6055.7	6025.3	6106.4	6349.5	6650.9	6633.2
20°	6643.3	6661.1	6716.8	6397.6	5987.3	5653.0	5594.8	5688.5	6017.7	6542.0	6737.0
22.5°	6818.1	6828.2	6797.8	6215.3	5637.8	5255.4	5184.5	5283.3	5637.8	6349.5	6825.7
25°	7025.8	7015.6	6871.3	6025.3	5318.7	4941.3	4867.9	4979.3	5349.1	6093.7	6921.9
27.5°	7266.4	7228.4	6934.6	5820.2	5073.0	4708.3	4657.7	4776.7	5121.2	5858.2	6997.9
30°	7471.5	7398.1	6944.7	5637.8	4946.4	4609.5	4579.2	4690.6	5009.7	5698.6	7094.1
32.5°	7699.5	7598.2	7003.0	5589.7	5017.3	4847.6	4888.1	4895.7	5040.1	5653.0	7238.5
35°	8026.2	7894.5	7162.5	5729.0	5746.7	6032.9	6179.8	5982.3	5498.5	5754.3	7512.0
37.5°	8520.1	8352.9	7486.7	6331.8	7253.7	7894.5	8249.1	7798.2	6891.5	6136.8	7924.9
40°	9120.3	8907.6	7902.1	7446.2	8661.9	9687.7	10318.3	9657.3	8325.0	7091.6	8504.9
42.5°	9958.7	9735.8	8707.5	8540.3	9966.2	11493.5	12316.6	11331.4	9588.9	8325.0	9434.4
45°	11420.0	11204.7	10184.1	9637.0	11493.5	13717.2	14872.1	13501.9	10873.0	9563.5	11171.8
47.5°	14119.9	13866.6	12377.4	10852.7	13236.0	16604.5	18220.4	16224.6	12207.7	10981.9	14089.5
50°	17361.8	17118.6	15130.5	12291.3	15160.9	19691.9	21938.4	19423.4	13745.1	12706.7	17577.1
52.5°	21262.2	21216.6	19058.7	14109.8	17164.2	22984.4	26064.2	22966.7	15429.3	15029.2	21528.1
55°	24777.6	25223.3	24048.2	16883.1	19752.7	27120.4	30306.5	26831.6	17713.8	18868.8	26155.4
57.5°	26672.1	27870.0	29675.9	22541.2	23516.3	32064.2	35541.6	31550.1	21639.6	25261.3	30445.8
60°	25420.9	26778.4	30050.7	26801.2	27249.5	36025.4	39862.5	35516.3	25494.3	29698.7	30202.7
62.5°	23339.0	24557.2	27467.3	24314.1	27827.0	36896.7	39963.8	36207.8	27026.6	27447.1	27282.4
65°	20869.6	22098.0	25180.3	21224.2	25990.8	34827.4	37015.7	34174.0	24273.6	24797.9	24858.6
67.5°	17589.7	18724.4	21862.4	18871.3	23691.1	31790.7	32489.7	31276.5	22353.8	23189.6	22315.8
70°	13142.3	14165.5	16936.3	15335.6	19970.5	27834.6	27269.8	27449.6	20198.4	21029.2	18640.8
72.5°	8981.0	9751.0	12126.7	12050.7	15292.6	22282.9	21495.2	23199.7	16870.4	17972.2	14211.1
75°	6281.1	6881.4	8765.7	9520.5	11559.3	16515.9	15307.8	17364.3	13175.2	14748.0	10369.0
77.5°	3854.8	4252.4	5536.5	7053.6	7436.1	11303.5	9507.8	13066.3	9252.0	10756.5	6916.9
80°	1927.4	2119.9	2689.7	4434.8	4931.2	6661.1	5250.3	7585.5	6260.9	6661.1	3826.9
82.5°	582.5	643.3	787.7	1684.3	2555.5	3834.5	3102.6	4406.9	3419.2	3122.8	1507.0
85°	154.5	174.8	217.8	498.9	896.6	1375.3	1048.5	2135.1	1638.7	1152.4	567.3
87.5°	12.7	12.7	10.1	10.1	5.1	0.0	0.0	152.0	306.5	174.8	98.8
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: P642666
 CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9
2.5°	4835.0	4824.8	4721.0	4645.0	4556.4	4470.2	4381.6	4303.1	4214.4	4125.8	4100.5
5°	5225.0	5154.1	4933.7	4748.8	4566.5	4406.9	4267.6	4123.3	4006.8	3892.8	3849.7
7.5°	5569.4	5445.3	5126.2	4845.1	4591.8	4394.3	4189.1	3978.9	3814.3	3652.2	3611.7
10°	5881.0	5716.3	5313.6	4959.1	4677.9	4452.5	4211.9	3930.8	3692.7	3495.2	3442.0
12.5°	6111.5	5931.6	5475.7	5068.0	4748.8	4495.6	4257.5	4009.3	3758.6	3502.8	3444.5
15°	6293.8	6106.4	5610.0	5151.6	4751.4	4424.7	4194.2	4108.1	4029.6	3778.8	3672.4
17.5°	6440.7	6243.2	5726.5	5202.2	4683.0	4209.4	4009.3	4135.9	4336.0	4179.0	3978.9
20°	6574.9	6374.9	5815.1	5237.7	4531.0	3913.1	3801.6	4070.1	4371.5	4366.4	4186.6
22.5°	6721.8	6526.8	5944.3	5257.9	4318.3	3611.7	3677.5	3973.8	4219.5	4293.0	4181.5
25°	6909.3	6737.0	6124.1	5303.5	4077.7	3404.0	3586.3	3849.7	4054.9	4072.6	4006.8
27.5°	7127.1	6997.9	6392.6	5409.9	3844.7	3297.6	3480.0	3675.0	3862.4	3870.0	3791.5
30°	7365.1	7279.0	6640.8	5498.5	3669.9	3264.7	3343.2	3500.2	3619.3	3639.5	3571.1
32.5°	7669.1	7593.1	6861.1	5440.3	3566.1	3257.1	3216.6	3297.6	3396.4	3396.4	3343.2
35°	8087.0	7980.6	7094.1	5217.4	3439.4	3226.7	3082.3	3105.1	3148.2	3155.8	3125.4
37.5°	8679.6	8504.9	7329.7	4776.7	3231.7	3117.8	2927.8	2900.0	2915.2	2935.4	2927.8
40°	9414.1	9127.9	7674.1	4247.4	2983.5	2907.6	2768.3	2715.1	2702.4	2742.9	2758.1
42.5°	10338.6	9900.4	8043.9	3753.5	2758.1	2667.0	2580.8	2535.3	2515.0	2583.4	2623.9
45°	11815.1	11093.3	8398.5	3264.7	2631.5	2461.8	2403.6	2370.6	2380.8	2461.8	2512.5
47.5°	14365.6	12914.3	8735.3	2955.7	2621.4	2314.9	2244.0	2251.6	2279.4	2365.6	2426.3
50°	17592.3	15353.3	8960.8	2826.5	2651.8	2226.3	2132.5	2173.1	2216.1	2299.7	2370.6
52.5°	20877.2	17625.2	8692.3	2755.6	2649.2	2228.8	2028.7	2150.3	2170.5	2254.1	2330.1
55°	23136.4	17878.5	7509.5	2646.7	2608.7	2330.1	1947.7	2140.1	2152.8	2228.8	2297.2
57.5°	23997.5	17012.3	5726.5	2677.1	2487.1	2408.6	1912.2	2069.2	2160.4	2226.3	2297.2
60°	22956.6	15378.7	3480.0	2755.6	2292.1	2403.6	1935.0	1940.1	2097.1	2208.5	2279.4
62.5°	20993.7	13281.6	2444.1	2532.7	2150.3	2269.3	1988.2	1788.1	1985.7	2119.9	2183.2
65°	18744.7	10814.7	1864.1	2180.7	2081.9	2061.6	2005.9	1653.9	1833.7	1965.4	2021.1
67.5°	16401.9	8406.1	1514.6	1626.0	1881.8	1864.1	1833.7	1534.8	1653.9	1747.6	1810.9
70°	13451.3	5881.0	1279.0	1220.8	1613.3	1671.6	1603.2	1385.4	1423.4	1519.6	1570.3
72.5°	9839.6	3664.8	1051.1	1008.0	1296.8	1461.4	1425.9	1220.8	1238.5	1329.7	1370.2
75°	7076.4	2097.1	843.4	830.7	990.3	1251.2	1180.2	1051.1	1071.3	1139.7	1167.6
77.5°	4498.1	1167.6	650.9	668.6	709.2	934.6	1008.0	899.1	899.1	939.6	962.4
80°	2408.6	668.6	476.2	483.7	496.4	714.2	795.3	696.5	696.5	668.6	696.5
82.5°	982.7	385.0	326.7	303.9	331.8	488.8	557.2	443.2	463.5	417.9	428.0
85°	324.2	192.5	162.1	159.6	157.0	215.3	268.5	220.3	263.4	167.2	174.8
87.5°	43.1	35.5	20.3	15.2	17.7	7.6	15.2	17.7	17.7	12.7	12.7
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: P642666

CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9
2.5°	4082.7	4062.5	3989.0	4006.8	3994.1	3973.8	3994.1	3956.1	3986.5	3996.6	4059.9
5°	3816.8	3768.7	3697.8	3662.3	3654.7	3634.5	3637.0	3619.3	3624.3	3667.4	3738.3
7.5°	3578.7	3533.1	3477.4	3452.1	3429.3	3406.5	3404.0	3401.4	3421.7	3459.7	3528.1
10°	3406.5	3381.2	3358.4	3368.5	3358.4	3348.3	3330.5	3330.5	3363.5	3431.8	3515.4
12.5°	3406.5	3401.4	3406.5	3436.9	3434.4	3436.9	3414.1	3426.8	3517.9	3634.5	3753.5
15°	3588.9	3548.3	3548.3	3563.5	3558.5	3558.5	3558.5	3611.7	3819.3	3999.2	4125.8
17.5°	3811.7	3692.7	3642.0	3634.5	3631.9	3631.9	3642.0	3756.0	4080.2	4270.2	4343.6
20°	3966.2	3740.8	3657.2	3624.3	3626.9	3631.9	3662.3	3819.3	4176.5	4272.7	4255.0
22.5°	3994.1	3702.8	3601.5	3553.4	3561.0	3566.1	3611.7	3778.8	4044.8	4059.9	4024.5
25°	3864.9	3596.5	3487.6	3449.6	3459.7	3457.2	3497.7	3619.3	3809.2	3804.1	3783.9
27.5°	3672.4	3426.8	3345.7	3320.4	3338.1	3317.9	3330.5	3424.2	3571.1	3566.1	3558.5
30°	3474.9	3262.1	3188.7	3176.0	3198.8	3168.4	3171.0	3249.5	3350.8	3345.7	3343.2
32.5°	3277.3	3097.5	3031.7	3031.7	3054.5	3021.5	3026.6	3095.0	3163.4	3143.1	3143.1
35°	3089.9	2963.3	2910.1	2900.0	2917.7	2894.9	2905.0	2968.3	2993.7	2965.8	2948.1
37.5°	2925.3	2869.6	2816.4	2780.9	2783.5	2786.0	2816.4	2864.5	2849.3	2808.8	2786.0
40°	2773.3	2773.3	2722.7	2656.8	2649.2	2667.0	2717.6	2770.8	2727.7	2682.1	2654.3
42.5°	2664.4	2687.2	2639.1	2573.2	2558.0	2588.4	2644.2	2682.1	2631.5	2580.8	2542.8
45°	2563.1	2618.8	2585.9	2512.5	2492.2	2527.7	2598.6	2613.8	2545.4	2497.3	2469.4
47.5°	2492.2	2568.2	2545.4	2474.5	2444.1	2494.7	2568.2	2565.6	2479.5	2428.9	2406.1
50°	2441.5	2537.8	2535.3	2474.5	2441.5	2504.9	2570.7	2537.8	2444.1	2390.9	2368.1
52.5°	2401.0	2535.3	2553.0	2517.5	2494.7	2550.4	2591.0	2527.7	2418.7	2363.0	2345.3
55°	2383.3	2545.4	2558.0	2525.1	2504.9	2555.5	2591.0	2547.9	2418.7	2368.1	2352.9
57.5°	2388.4	2532.7	2535.3	2489.7	2454.2	2517.5	2573.2	2560.6	2446.6	2388.4	2370.6
60°	2358.0	2464.3	2469.4	2398.5	2358.0	2433.9	2532.7	2525.1	2433.9	2373.2	2340.2
62.5°	2256.7	2350.4	2352.9	2287.0	2228.8	2337.7	2446.6	2444.1	2360.5	2299.7	2261.7
65°	2087.0	2185.7	2211.1	2147.7	2102.2	2218.7	2332.6	2327.6	2244.0	2188.3	2150.3
67.5°	1876.7	1983.1	2031.2	1988.2	1970.5	2076.8	2183.2	2180.7	2112.3	2059.1	2026.2
70°	1620.9	1709.6	1790.6	1790.6	1778.0	1899.5	2013.5	2003.4	1940.1	1899.5	1874.2
72.5°	1408.2	1476.6	1501.9	1527.2	1565.2	1691.9	1788.1	1795.7	1750.1	1729.8	1750.1
75°	1198.0	1241.0	1263.8	1243.6	1309.4	1441.1	1567.8	1580.4	1532.3	1499.4	1507.0
77.5°	985.2	1033.3	1056.1	1010.6	1005.5	1172.6	1327.1	1355.0	1314.5	1263.8	1279.0
80°	711.7	775.0	813.0	782.6	772.5	845.9	1058.7	1089.1	1051.1	1010.6	1033.3
82.5°	435.6	471.1	481.2	511.6	574.9	605.3	681.3	782.6	754.8	719.3	782.6
85°	172.2	205.2	227.9	258.3	301.4	357.1	420.4	501.5	455.9	440.7	519.2
87.5°	10.1	2.5	0.0	5.1	43.1	83.6	179.8	248.2	207.7	222.9	268.5
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: P642666
 CATALOG NUMBER: GWS-SA6D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9	4439.9
2.5°	4110.6	4176.5	4265.1	4338.5	4432.3	4520.9	4612.1	4703.3	4751.4	4771.6
5°	3819.3	3940.9	4082.7	4239.8	4422.1	4614.6	4809.6	5009.7	5136.4	5146.5
7.5°	3644.6	3819.3	4014.4	4211.9	4437.3	4703.3	5012.3	5321.2	5450.4	5485.9
10°	3700.3	3895.3	4049.8	4234.7	4482.9	4814.7	5179.4	5541.6	5691.0	5734.1
12.5°	3923.2	3961.2	4009.3	4179.0	4482.9	4910.9	5351.6	5782.2	5941.8	5982.3
15°	4108.1	3925.7	3839.6	4019.4	4422.1	4994.5	5534.0	6010.1	6202.6	6240.6
17.5°	4123.3	3809.2	3621.8	3783.9	4315.8	5052.8	5708.7	6263.4	6425.5	6461.0
20°	3968.8	3685.1	3442.0	3540.7	4171.4	5078.1	5835.4	6448.3	6607.9	6643.3
22.5°	3794.0	3583.8	3320.4	3315.3	3996.6	5106.0	5987.3	6623.1	6795.3	6818.1
25°	3629.4	3444.5	3221.6	3150.7	3794.0	5159.1	6192.5	6886.5	7018.2	7025.8
27.5°	3436.9	3295.1	3143.1	3074.7	3616.7	5260.5	6496.4	7200.5	7279.0	7266.4
30°	3262.1	3155.8	3087.4	3067.1	3505.3	5336.4	6785.2	7509.5	7514.6	7471.5
32.5°	3077.3	3036.7	3036.7	3102.6	3414.1	5318.7	7020.7	7810.9	7762.8	7699.5
35°	2912.6	2920.2	2973.4	3127.9	3262.1	5141.4	7246.1	8188.3	8117.4	8026.2
37.5°	2755.6	2813.9	2889.8	3039.3	3062.1	4878.0	7509.5	8722.7	8634.0	8520.1
40°	2621.4	2710.0	2798.7	2872.1	2849.3	4503.2	7876.8	9350.8	9252.0	9120.3
42.5°	2515.0	2601.1	2699.9	2707.5	2715.1	4113.1	8266.8	10120.7	10103.0	9958.7
45°	2446.6	2502.3	2596.0	2583.4	2707.5	3682.6	8626.4	11295.9	11528.9	11420.0
47.5°	2401.0	2444.1	2454.2	2507.4	2773.3	3297.6	9089.9	13595.6	14244.0	14119.9
50°	2375.7	2418.7	2304.8	2512.5	2783.5	3049.4	9730.7	16482.9	17526.4	17361.8
52.5°	2373.2	2363.0	2190.8	2565.6	2727.7	2897.4	10065.0	18590.2	20905.1	21262.2
55°	2378.2	2251.6	2132.5	2580.8	2616.3	2841.7	8945.6	19603.2	24022.8	24777.6
57.5°	2332.6	2130.0	2165.5	2520.1	2406.1	2991.1	6612.9	19241.1	25268.9	26672.1
60°	2246.5	2013.5	2226.3	2355.4	2190.8	2735.3	4553.8	17625.2	23977.3	25420.9
62.5°	2122.4	1932.5	2218.7	2142.7	2112.3	2238.9	3130.4	15363.5	21928.3	23339.0
65°	1983.1	1866.6	2099.6	1937.5	1955.3	1722.2	2213.6	12810.5	19481.7	20869.6
67.5°	1833.7	1826.1	1924.9	1724.8	1651.3	1365.1	1613.3	10267.6	16338.6	17589.7
70°	1664.0	1719.7	1750.1	1532.3	1339.8	1071.3	1198.0	7180.3	12053.2	13142.3
72.5°	1494.3	1499.4	1542.4	1332.2	1003.0	858.6	899.1	4348.7	8188.3	8981.0
75°	1322.1	1274.0	1314.5	1084.0	747.2	704.1	694.0	2687.2	5655.6	6281.1
77.5°	1137.2	1084.0	1030.8	815.5	600.3	544.5	531.9	1507.0	3469.8	3854.8
80°	924.4	853.5	769.9	597.7	438.2	390.0	387.5	734.5	1729.8	1927.4
82.5°	719.3	585.1	562.3	372.3	271.0	238.1	253.3	281.1	521.7	582.5
85°	504.0	425.5	298.9	149.4	121.6	98.8	96.2	83.6	139.3	154.5
87.5°	281.1	184.9	96.2	17.7	20.3	22.8	17.7	12.7	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)