

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: P642165

Luminaire Tested: GWS-SA6C-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642165
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-SA6C-735-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21798.9 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

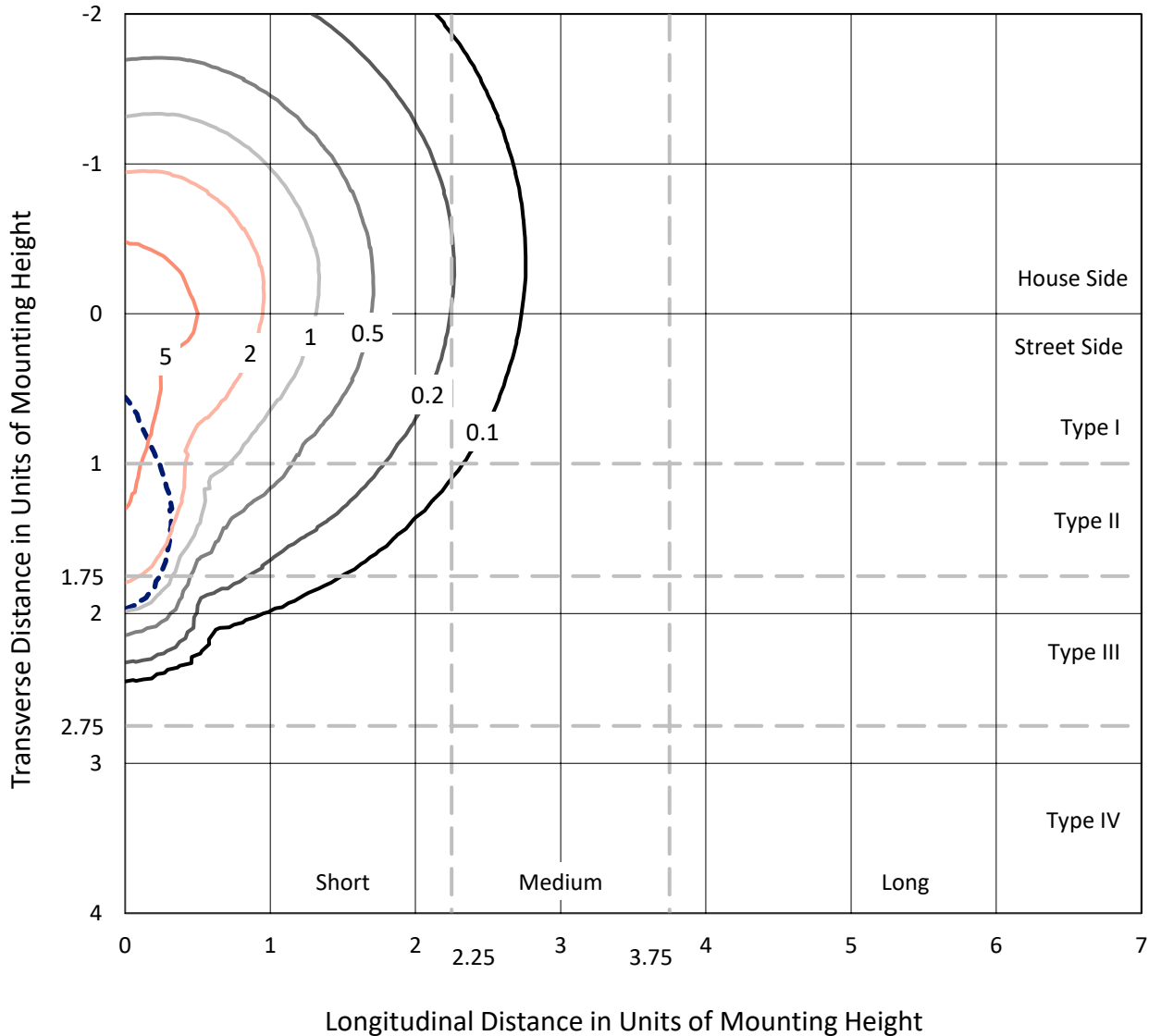
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

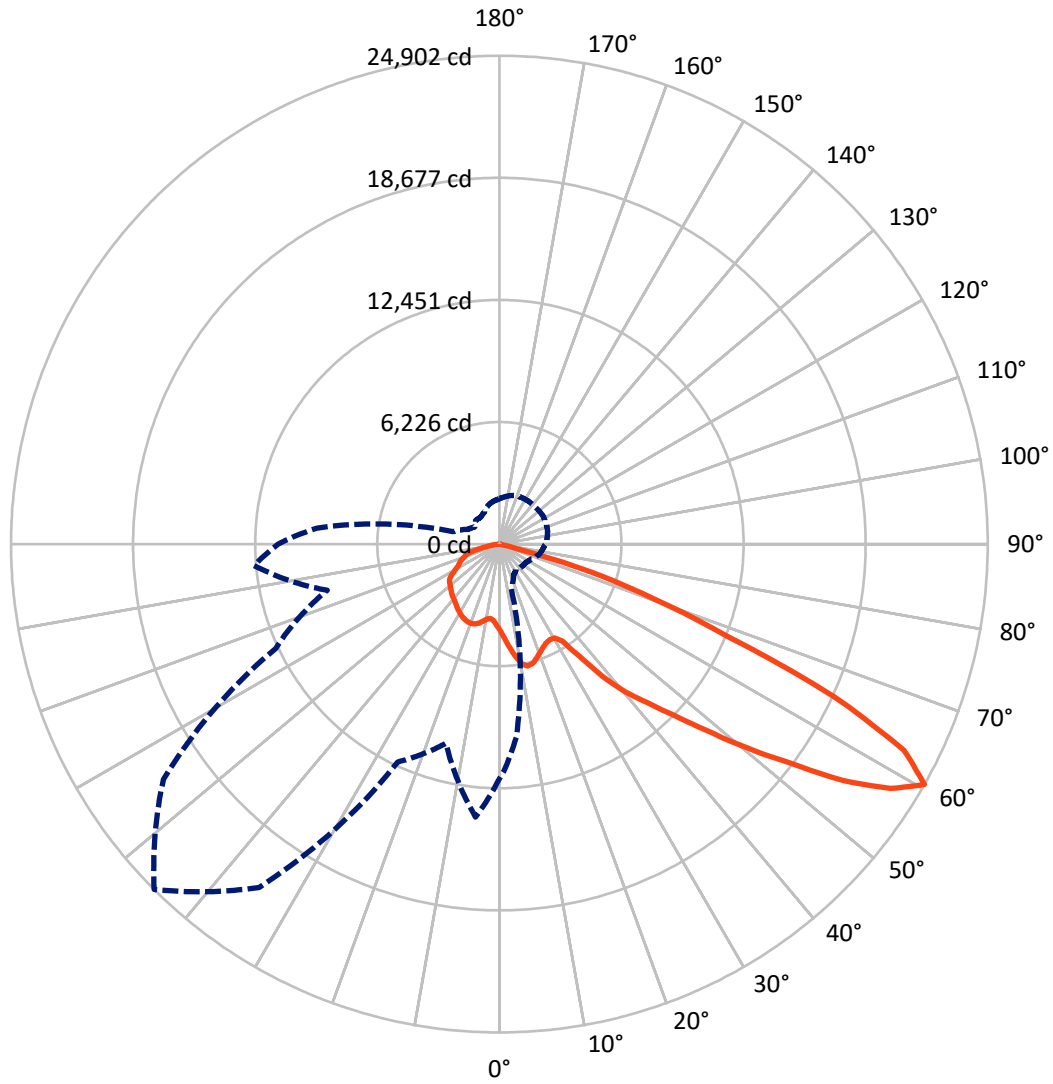
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7457.2	0.0	7457.2
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	14341.7	0.0	14341.7
	% Fixture	65.8	0.0	65.8
Total	Lumens	21798.9	0.0	21798.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.6	2.0
10°-20°	1377.8	6.3
20°-30°	2243.8	10.3
30°-40°	3152.1	14.5
40°-50°	4313.3	19.8
50°-60°	5533.8	25.4
60°-70°	3726.2	17.1
70°-80°	931.6	4.3
80°-90°	90.8	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°	21798.9	100.0
0°-180°	21798.9	100.0

Coefficient of Utilization



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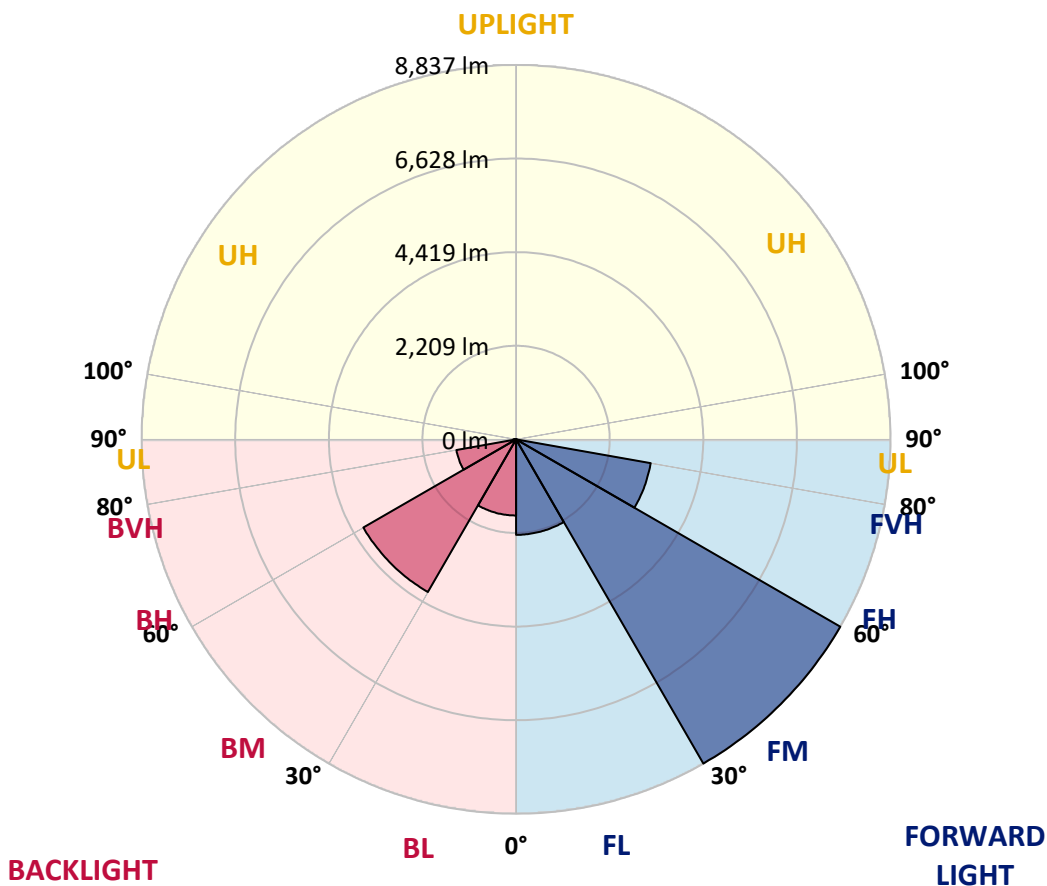
CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2253.5	10.3			
FM (30°-60°)	8837.5	40.5			
FH (60°-80°)	3227.1	14.8			G2/5000
FVH (80°-90°)	23.6	0.1			G1/100
BL (0°-30°)	1797.6	8.2	B3/2500		
BM (30°-60°)	4161.7	19.1	B3/5000		
BH (60°-80°)	1430.6	6.6	B3/2500		G3/2500
BVH (80°-90°)	67.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6
2.5°	4651.6	4641.5	4631.5	4553.2	4533.1	4476.9	4436.8	4386.6	4314.3	4274.1	4240.0
5°	4942.7	4926.6	4872.4	4711.8	4607.4	4493.0	4398.6	4294.2	4183.8	4111.5	4055.3
7.5°	5217.7	5213.7	5121.3	4856.3	4687.7	4523.1	4394.6	4242.0	4083.4	3975.0	3902.7
10°	5472.7	5442.6	5332.1	4986.8	4766.0	4577.3	4438.8	4270.1	4085.4	3938.9	3842.5
12.5°	5697.5	5659.4	5506.8	5107.3	4834.3	4601.4	4450.8	4312.3	4189.8	4067.4	3956.9
15°	5882.2	5836.0	5681.5	5219.7	4894.5	4587.3	4376.5	4268.1	4310.3	4364.5	4242.0
17.5°	6054.9	6006.7	5818.0	5302.0	4912.6	4501.0	4193.8	4147.7	4360.5	4607.4	4551.2
20°	6199.4	6145.2	5926.4	5342.2	4880.4	4336.4	3956.9	4037.2	4318.3	4613.4	4703.8
22.5°	6356.0	6311.8	6048.8	5400.4	4840.3	4109.5	3758.2	3954.9	4246.0	4505.0	4641.5
25°	6607.0	6552.8	6239.6	5502.8	4820.2	3896.7	3615.7	3874.6	4145.7	4380.5	4486.9
27.5°	6970.3	6869.9	6500.6	5681.5	4842.3	3696.0	3525.3	3776.3	4029.2	4230.0	4316.3
30°	7365.8	7245.4	6789.6	5866.2	4874.4	3573.5	3477.1	3663.8	3850.5	4051.3	4145.7
32.5°	7833.6	7727.2	7098.8	6004.7	4806.2	3517.3	3441.0	3541.4	3689.9	3850.5	3928.8
35°	8391.7	8201.0	7436.1	6117.1	4585.3	3435.0	3408.9	3406.9	3485.2	3641.8	3730.1
37.5°	8992.0	8787.2	7851.7	6237.6	4242.0	3304.5	3332.6	3248.3	3320.5	3445.0	3545.4
40°	9483.8	9269.0	8271.2	6402.2	3812.4	3099.7	3164.0	3073.6	3117.8	3246.3	3358.7
42.5°	9965.6	9736.8	8662.7	6588.9	3396.8	2898.9	2931.1	2896.9	2911.0	3045.5	3202.1
45°	10598.0	10341.1	9144.5	6721.4	3023.4	2740.4	2710.2	2652.0	2726.3	2901.0	3067.6
47.5°	11654.0	11346.9	9933.5	6807.7	2752.4	2650.0	2511.5	2477.4	2569.7	2764.4	2937.1
50°	12888.7	12623.7	11194.3	6803.7	2549.6	2573.7	2318.8	2288.6	2441.2	2638.0	2820.7
52.5°	13900.5	13631.5	12272.4	6602.9	2383.0	2411.1	2206.3	2122.0	2330.8	2513.5	2696.2
55°	14717.6	14414.4	12768.2	5763.8	2172.2	2152.1	2083.9	1929.3	2192.3	2389.0	2559.7
57.5°	14277.9	13916.6	12168.0	4382.6	1955.4	1828.9	1873.1	1758.6	2003.6	2250.5	2415.1
60°	11971.2	11646.0	9885.3	2332.8	1720.5	1527.8	1620.1	1638.2	1796.8	2083.9	2252.5
62.5°	8223.1	7986.2	6699.3	1415.3	1357.1	1226.6	1371.2	1501.7	1620.1	1863.0	2009.6
65°	4023.2	3952.9	3350.7	907.4	949.6	991.7	1136.3	1294.9	1469.6	1682.4	1836.9
67.5°	1108.2	1116.2	1015.8	708.7	748.8	865.3	979.7	1106.2	1280.8	1477.6	1634.2
70°	487.8	495.9	511.9	546.1	622.4	728.8	847.2	977.7	1138.3	1302.9	1453.5
72.5°	339.3	347.3	371.4	415.6	483.8	584.2	696.6	821.1	987.7	1126.3	1250.7
75°	208.8	214.8	236.9	275.0	321.2	397.5	507.9	622.4	768.9	895.4	1005.8
77.5°	110.4	106.4	120.5	146.6	186.7	226.9	301.1	373.4	477.8	580.2	672.5
80°	60.2	58.2	66.3	80.3	92.3	124.5	174.7	222.8	283.1	341.3	391.5
82.5°	26.1	24.1	26.1	34.1	42.2	60.2	88.3	122.5	156.6	196.7	228.9
85°	0.0	0.0	0.0	2.0	10.0	16.1	30.1	44.2	64.2	88.3	108.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6
2.5°	4219.9	4169.7	4165.7	4125.6	4129.6	4131.6	4091.5	4075.4	4089.4	4105.5	4097.5
5°	4035.2	3983.0	3961.0	3922.8	3918.8	3900.7	3884.7	3864.6	3878.7	3892.7	3900.7
7.5°	3874.6	3840.5	3826.5	3816.4	3820.4	3812.4	3780.3	3762.2	3760.2	3766.2	3774.3
10°	3822.4	3794.3	3812.4	3840.5	3860.6	3874.6	3840.5	3810.4	3782.3	3770.2	3770.2
12.5°	3934.9	3898.7	3934.9	3965.0	4005.1	4015.2	3977.0	3944.9	3934.9	3946.9	3971.0
15°	4183.8	4099.5	4097.5	4115.5	4147.7	4163.7	4127.6	4111.5	4111.5	4187.8	4248.0
17.5°	4432.7	4294.2	4236.0	4226.0	4246.0	4252.1	4221.9	4207.9	4244.0	4392.6	4505.0
20°	4607.4	4438.8	4312.3	4288.2	4294.2	4296.2	4272.1	4262.1	4314.3	4495.0	4589.3
22.5°	4589.3	4464.9	4310.3	4280.2	4290.2	4286.2	4264.1	4260.1	4302.3	4458.8	4503.0
25°	4464.9	4368.5	4238.0	4217.9	4234.0	4232.0	4209.9	4199.9	4217.9	4322.3	4326.3
27.5°	4322.3	4238.0	4125.6	4119.6	4145.7	4159.7	4121.6	4091.5	4085.4	4155.7	4139.6
30°	4151.7	4089.4	3999.1	4003.1	4051.3	4059.3	4013.2	3969.0	3956.9	3995.1	3973.0
32.5°	3948.9	3928.8	3880.7	3890.7	3936.9	3952.9	3904.7	3858.6	3844.5	3856.6	3810.4
35°	3776.3	3768.2	3772.2	3790.3	3830.5	3842.5	3802.4	3766.2	3746.1	3704.0	3643.8
37.5°	3597.6	3619.7	3677.9	3712.0	3734.1	3730.1	3708.0	3681.9	3649.8	3571.5	3497.2
40°	3431.0	3487.2	3591.6	3629.7	3637.7	3639.7	3623.7	3601.6	3561.5	3457.1	3372.7
42.5°	3302.5	3364.7	3503.2	3561.5	3565.5	3569.5	3553.4	3535.4	3479.1	3340.6	3258.3
45°	3168.0	3250.3	3412.9	3483.2	3479.1	3477.1	3463.1	3455.1	3388.8	3228.2	3137.9
47.5°	3053.5	3149.9	3324.6	3384.8	3382.8	3380.8	3370.7	3370.7	3304.5	3129.8	3027.4
50°	2941.1	3051.5	3234.2	3284.4	3288.4	3284.4	3280.4	3286.4	3208.1	3021.4	2921.0
52.5°	2818.6	2943.1	3133.8	3180.0	3204.1	3214.1	3214.1	3200.1	3107.7	2913.0	2802.6
55°	2684.1	2802.6	3023.4	3085.7	3105.7	3123.8	3123.8	3095.7	3009.4	2812.6	2694.2
57.5°	2517.5	2621.9	2796.6	2858.8	2907.0	2919.0	2919.0	2872.9	2802.6	2613.9	2517.5
60°	2336.8	2427.2	2545.6	2611.9	2648.0	2623.9	2642.0	2629.9	2573.7	2399.1	2318.8
62.5°	2095.9	2188.3	2318.8	2387.0	2403.1	2379.0	2403.1	2401.1	2324.8	2168.2	2071.8
65°	1923.3	2013.6	2142.1	2230.4	2256.5	2250.5	2266.6	2242.5	2148.1	1999.6	1907.2
67.5°	1718.5	1814.9	1963.4	2061.8	2116.0	2122.0	2144.1	2093.9	1997.5	1834.9	1718.5
70°	1523.8	1606.1	1720.5	1812.8	1889.1	1927.3	1931.3	1859.0	1738.6	1604.1	1519.7
72.5°	1319.0	1403.3	1541.8	1642.2	1738.6	1782.7	1782.7	1694.4	1563.9	1415.3	1325.0
75°	1070.0	1148.3	1274.8	1383.2	1493.6	1549.9	1547.8	1471.6	1327.0	1186.5	1092.1
77.5°	724.7	783.0	863.3	945.6	961.6	1005.8	1027.9	931.5	851.2	774.9	690.6
80°	421.6	457.7	501.9	548.1	558.1	572.2	536.0	499.9	457.7	407.5	369.4
82.5°	246.9	271.0	293.1	329.2	335.3	339.3	307.2	291.1	257.0	226.9	202.8
85°	120.5	128.5	148.6	166.6	158.6	154.6	140.5	124.5	110.4	98.4	86.3
87.5°	24.1	24.1	36.1	34.1	28.1	24.1	14.1	18.1	4.0	4.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6
2.5°	4123.6	4157.7	4199.9	4256.1	4320.3	4388.6	4454.8	4505.0	4555.2	4629.5	4617.4
5°	3912.8	3971.0	4037.2	4123.6	4228.0	4346.4	4478.9	4611.4	4754.0	4874.4	4926.6
7.5°	3790.3	3854.6	3932.9	4045.3	4179.8	4324.3	4511.0	4725.9	4956.7	5115.3	5213.7
10°	3790.3	3872.6	3975.0	4083.4	4201.9	4350.4	4581.3	4850.3	5147.4	5356.2	5470.7
12.5°	4009.1	4091.5	4113.5	4109.5	4175.8	4340.4	4637.5	4980.8	5336.2	5557.0	5697.5
15°	4350.4	4378.5	4211.9	4059.3	4069.4	4268.1	4663.6	5085.2	5498.8	5763.8	5916.3
17.5°	4579.3	4505.0	4207.9	3940.9	3884.7	4145.7	4663.6	5185.6	5671.4	5970.6	6113.1
20°	4597.4	4412.7	4105.5	3826.5	3681.9	3983.0	4631.5	5261.9	5838.1	6169.3	6321.9
22.5°	4438.8	4256.1	3997.1	3728.1	3515.3	3786.3	4579.3	5320.1	5980.6	6356.0	6544.7
25°	4258.1	4105.5	3886.7	3627.7	3400.8	3587.6	4531.1	5418.5	6179.3	6609.0	6799.7
27.5°	4081.4	3952.9	3754.2	3543.4	3336.6	3414.9	4501.0	5563.0	6416.2	6968.3	7132.9
30°	3908.8	3792.3	3611.6	3463.1	3302.5	3302.5	4474.9	5729.6	6729.4	7371.8	7536.5
32.5°	3734.1	3623.7	3477.1	3384.8	3282.4	3258.3	4402.6	5886.2	7052.6	7813.5	7982.1
35°	3571.5	3461.1	3348.6	3310.5	3272.4	3224.2	4224.0	6008.7	7367.8	8329.5	8474.0
37.5°	3418.9	3312.5	3228.2	3218.2	3222.2	3131.8	3942.9	6111.1	7761.3	8857.5	8933.7
40°	3286.4	3168.0	3101.7	3099.7	3119.8	2983.3	3587.6	6257.6	8211.0	9305.1	9273.0
42.5°	3168.0	3043.5	2963.2	2981.3	2969.2	2834.7	3240.2	6392.1	8602.5	9724.7	9660.5
45°	3051.5	2931.1	2818.6	2844.7	2830.7	2742.4	2945.1	6490.5	9036.1	10228.6	10236.7
47.5°	2939.1	2820.7	2708.2	2676.1	2674.1	2714.3	2718.3	6522.6	9742.8	11039.7	10857.0
50°	2834.7	2716.3	2599.8	2491.4	2533.6	2658.0	2549.6	6498.5	10800.8	11935.1	11425.2
52.5°	2726.3	2613.9	2485.4	2290.7	2401.1	2523.5	2399.1	6412.2	11447.2	12726.1	12420.9
55°	2601.8	2495.4	2320.8	2083.9	2218.4	2244.5	2244.5	5577.1	11722.3	13509.0	13697.7
57.5°	2435.2	2294.7	2017.6	1826.9	1947.4	1847.0	2079.9	3902.7	11268.6	13262.1	13994.9
60°	2246.5	2095.9	1802.8	1666.3	1702.4	1525.8	1772.7	2447.2	9339.3	11284.6	12553.4
62.5°	1997.5	1859.0	1616.1	1509.7	1435.4	1244.7	1427.4	1547.8	6402.2	8379.7	9244.9
65°	1830.9	1678.3	1461.5	1321.0	1168.4	1001.8	947.6	1015.8	3443.0	4689.7	5273.9
67.5°	1634.2	1483.6	1278.8	1102.2	979.7	859.2	764.9	740.8	1180.5	1561.9	1690.4
70°	1447.5	1302.9	1132.3	967.7	845.2	726.7	634.4	568.1	546.1	542.0	534.0
72.5°	1256.7	1122.2	979.7	827.1	692.6	584.2	501.9	425.6	393.5	383.4	373.4
75°	1029.9	923.5	780.9	616.3	507.9	407.5	343.3	293.1	265.0	255.0	242.9
77.5°	662.5	614.3	489.9	397.5	307.2	242.9	208.8	176.7	158.6	154.6	144.5
80°	353.3	329.2	271.0	228.9	182.7	148.6	130.5	112.4	102.4	98.4	94.4
82.5°	196.7	178.7	150.6	132.5	106.4	90.3	80.3	72.3	66.3	64.2	62.2
85°	88.3	76.3	60.2	56.2	50.2	46.2	44.2	40.2	38.1	36.1	34.1
87.5°	4.0	8.0	10.0	8.0	8.0	12.0	14.1	14.1	12.0	12.0	10.0
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: P642165

CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6	4396.6
2.5°	4691.7	4751.9	4758.0	4778.0	4751.9	4745.9	4703.8	4679.7	4657.6	4651.6
5°	5057.1	5177.6	5225.7	5259.9	5227.7	5211.7	5119.3	5023.0	4968.8	4942.7
7.5°	5432.5	5613.2	5707.6	5749.7	5753.7	5681.5	5522.9	5342.2	5251.8	5217.7
10°	5767.8	5990.6	6115.1	6195.4	6167.3	6079.0	5862.1	5617.2	5502.8	5472.7
12.5°	6016.7	6229.5	6325.9	6378.1	6376.1	6327.9	6123.1	5858.1	5727.6	5697.5
15°	6177.3	6303.8	6309.8	6321.9	6356.0	6420.2	6313.8	6068.9	5924.4	5882.2
17.5°	6303.8	6253.6	6159.3	6127.1	6203.4	6382.1	6446.3	6247.6	6091.0	6054.9
20°	6384.1	6131.2	5964.5	5902.3	5990.6	6281.7	6526.7	6408.2	6245.6	6199.4
22.5°	6446.3	6016.7	5747.7	5705.6	5797.9	6173.3	6609.0	6598.9	6420.2	6356.0
25°	6544.7	5940.4	5595.1	5565.0	5651.3	6121.1	6719.4	6857.9	6699.3	6607.0
27.5°	6699.3	5932.4	5516.8	5506.8	5625.2	6167.3	6878.0	7237.3	7038.6	6970.3
30°	6914.1	6008.7	5534.9	5555.0	5699.5	6333.9	7124.9	7671.0	7472.2	7365.8
32.5°	7223.3	6213.5	5809.9	5896.3	6002.7	6600.9	7486.3	8140.7	7990.2	7833.6
35°	7630.8	6775.6	6623.0	6990.4	6890.0	7185.1	7921.9	8710.9	8528.2	8391.7
37.5°	8174.9	7927.9	8068.5	8574.4	8331.5	8289.3	8453.9	9228.9	9128.5	8992.0
40°	8937.8	8987.9	9246.9	9911.4	9560.1	9289.1	9106.4	9618.3	9652.5	9483.8
42.5°	9443.7	9674.5	10298.9	11053.8	10569.9	9921.5	9652.5	10116.2	10118.2	9965.6
45°	9632.4	10236.7	11541.6	12410.9	11601.8	10282.8	9953.6	10792.8	10772.7	10598.0
47.5°	9564.1	10710.5	12832.5	14161.5	12926.8	10539.8	9911.4	11756.4	11919.0	11654.0
50°	9421.6	11186.3	14340.2	16305.6	14553.0	10812.8	9847.2	12824.4	13093.5	12888.7
52.5°	9566.1	11716.3	16122.9	18522.0	16592.7	11248.5	10280.8	14195.6	14147.4	13900.5
55°	10023.9	12342.6	18289.1	21306.5	18833.1	11985.3	11395.0	15502.6	15012.7	14717.6
57.5°	10001.8	12790.3	20188.3	23508.8	20782.5	12589.6	11782.5	15641.1	14651.3	14277.9
60°	9078.3	12585.5	20911.0	24902.1	21370.7	12256.3	10507.7	13970.8	12362.7	11971.2
62.5°	6775.6	11168.2	19509.7	23157.5	19706.4	10586.0	7901.8	10027.9	8883.6	8223.1
65°	4334.4	8737.0	16402.0	18760.9	16243.4	8096.6	4705.8	5376.3	4211.9	4023.2
67.5°	1845.0	6167.3	12750.2	12539.4	12151.9	5245.8	1816.9	1513.7	1128.3	1108.2
70°	610.3	4195.8	7859.7	8363.6	7257.4	3613.6	600.3	507.9	505.9	487.8
72.5°	399.5	2252.5	4424.7	4926.6	4669.6	2079.9	363.4	339.3	347.3	339.3
75°	238.9	489.9	744.8	967.7	744.8	349.3	218.8	214.8	218.8	208.8
77.5°	140.5	136.5	132.5	132.5	130.5	120.5	110.4	106.4	108.4	110.4
80°	90.3	86.3	82.3	80.3	70.3	66.3	62.2	58.2	58.2	60.2
82.5°	58.2	54.2	50.2	44.2	36.1	30.1	28.1	24.1	24.1	26.1
85°	30.1	24.1	18.1	14.1	8.0	4.0	0.0	0.0	0.0	0.0
87.5°	6.0	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

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