

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: P642825

Luminaire Tested: GWS-SA6D-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642825
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-SA6D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28130.9 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

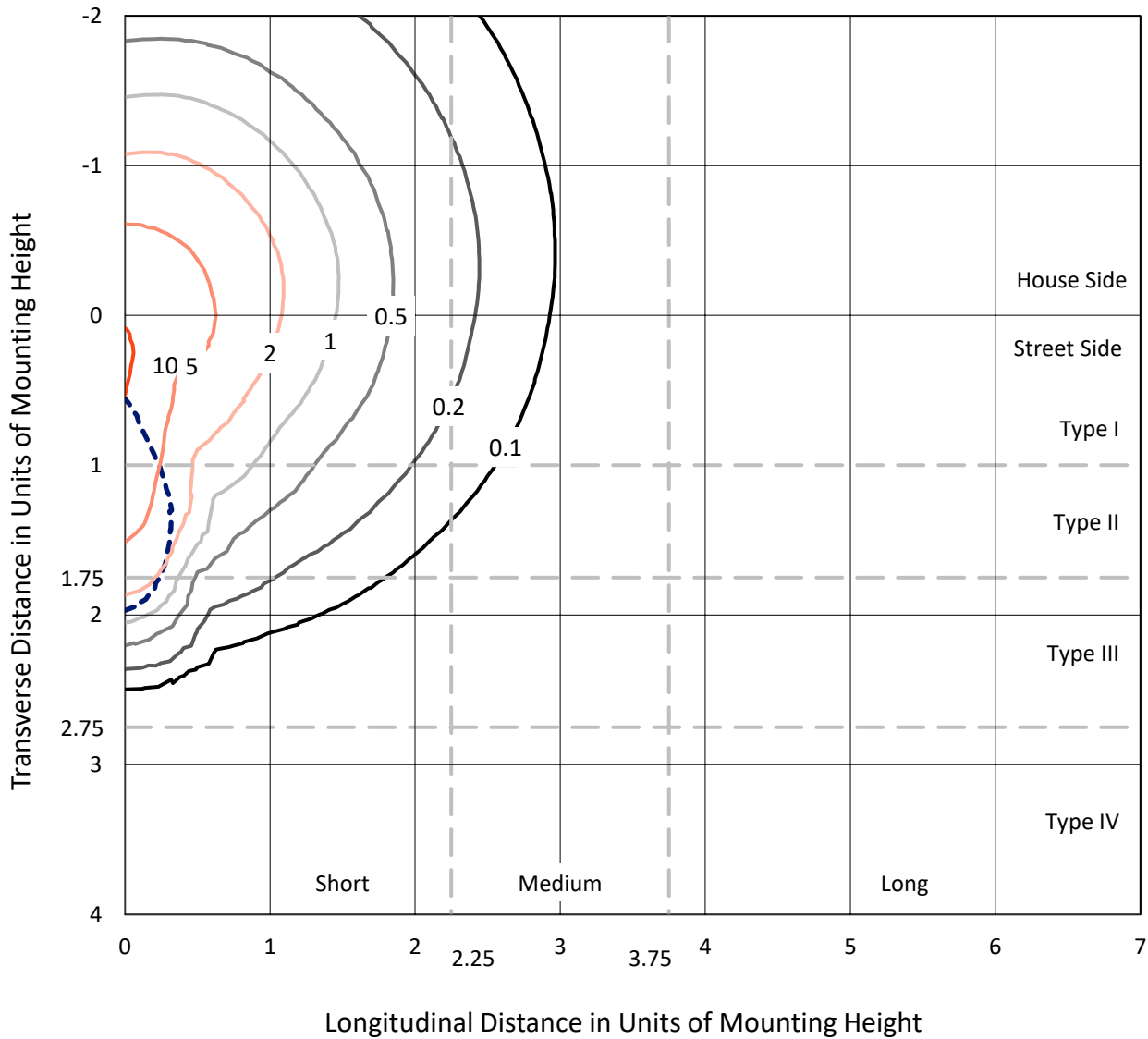
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

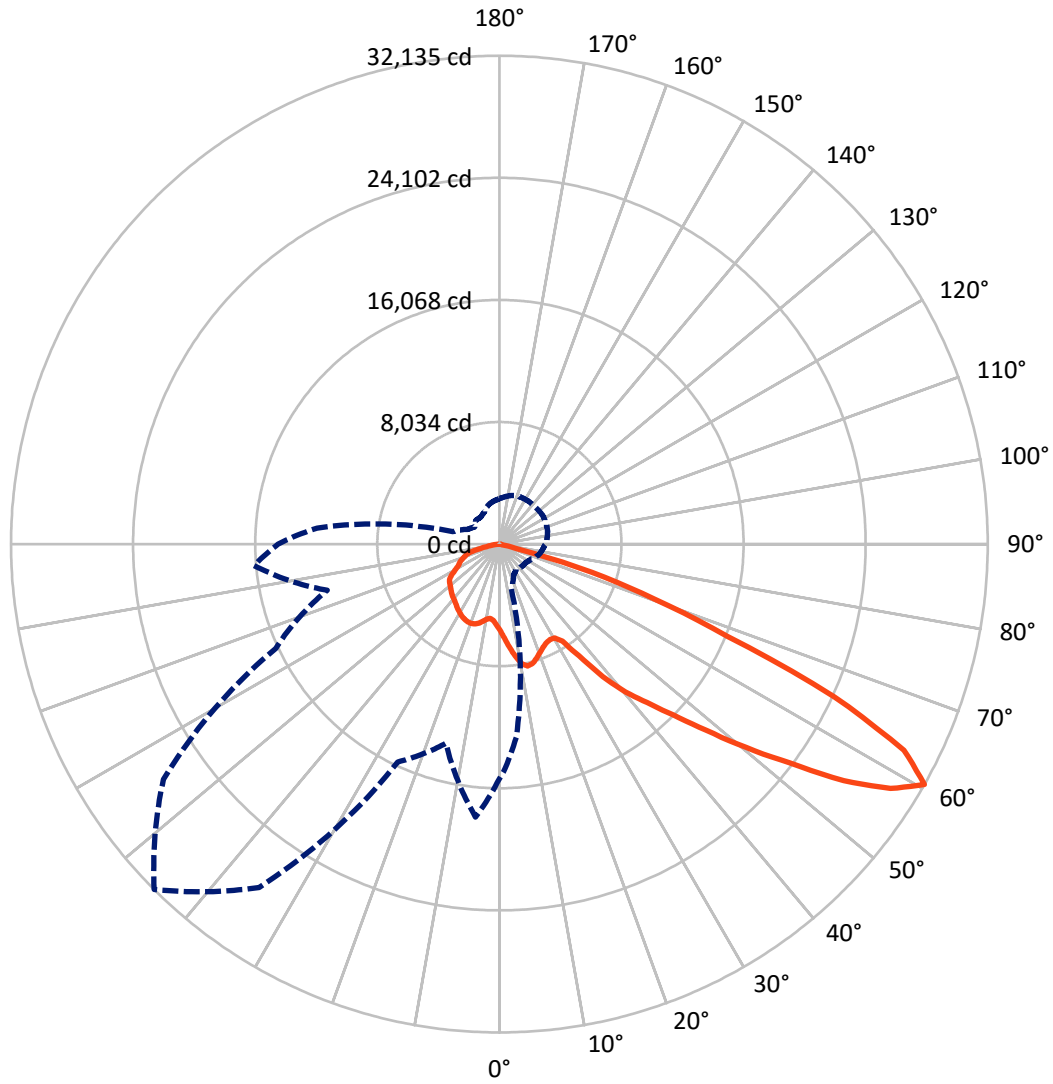
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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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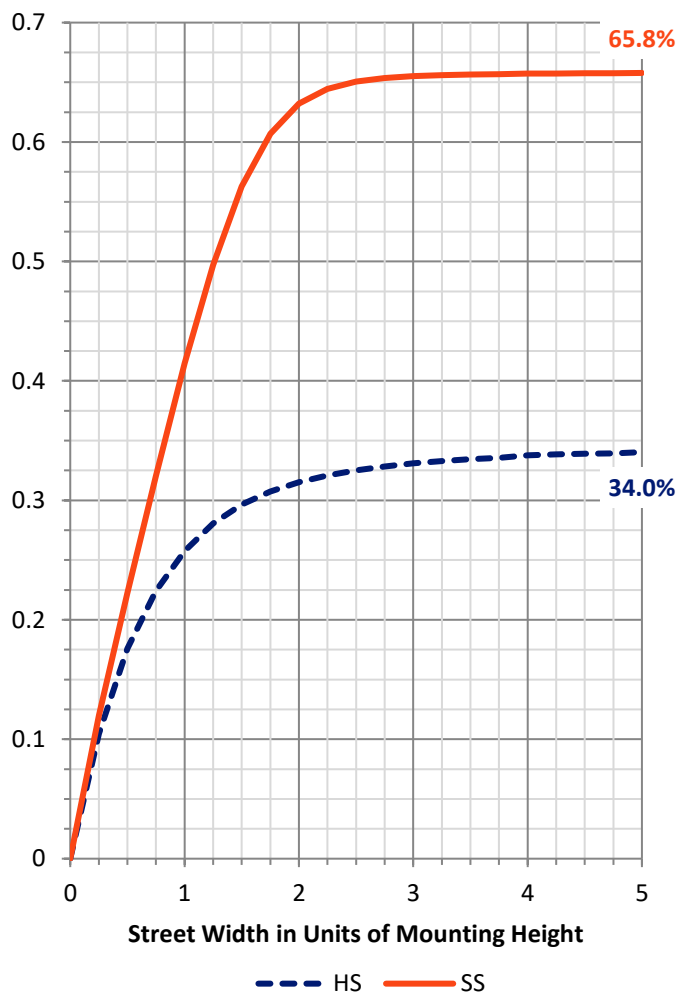
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9623.3	0.0	9623.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	18507.6	0.0	18507.6
	% Fixture	65.8	0.0	65.8
Total	Lumens	28130.9	0.0	28130.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.3	2.0
10°-20°	1778.0	6.3
20°-30°	2895.6	10.3
30°-40°	4067.7	14.5
40°-50°	5566.2	19.8
50°-60°	7141.2	25.4
60°-70°	4808.6	17.1
70°-80°	1202.2	4.3
80°-90°	117.2	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°	28130.9	100.0
0°-180°	28130.9	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7
2.5°	6002.7	5989.8	5976.8	5875.8	5849.9	5777.3	5725.5	5660.7	5567.5	5515.7	5471.6
5°	6378.4	6357.7	6287.7	6080.4	5945.7	5798.1	5676.3	5541.6	5399.1	5305.8	5233.3
7.5°	6733.3	6728.1	6609.0	6267.0	6049.4	5836.9	5671.1	5474.2	5269.5	5129.6	5036.4
10°	7062.3	7023.5	6881.0	6435.4	6150.4	5906.9	5728.1	5510.5	5272.1	5083.0	4958.7
12.5°	7352.5	7303.3	7106.4	6590.8	6238.5	5938.0	5743.7	5564.9	5406.9	5248.8	5106.3
15°	7590.8	7531.3	7331.8	6735.9	6316.2	5919.8	5647.8	5507.9	5562.3	5632.3	5474.2
17.5°	7813.6	7751.5	7507.9	6842.1	6339.5	5808.4	5412.0	5352.5	5627.1	5945.7	5873.2
20°	8000.2	7930.2	7647.8	6893.9	6298.1	5596.0	5106.3	5210.0	5572.7	5953.5	6070.1
22.5°	8202.3	8145.3	7805.9	6969.1	6246.3	5303.2	4849.9	5103.7	5479.4	5813.6	5989.8
25°	8526.1	8456.1	8052.0	7101.2	6220.3	5028.6	4665.9	5000.1	5349.9	5653.0	5790.3
27.5°	8995.0	8865.5	8388.8	7331.8	6248.8	4769.5	4549.3	4873.2	5199.6	5458.7	5570.1
30°	9505.4	9350.0	8761.9	7570.1	6290.3	4611.5	4487.1	4728.1	4969.0	5228.1	5349.9
32.5°	10109.0	9971.7	9160.8	7748.9	6202.2	4539.0	4440.5	4570.1	4761.8	4969.0	5070.1
35°	10829.3	10583.1	9596.1	7894.0	5917.2	4432.7	4399.1	4396.5	4497.5	4699.6	4813.6
37.5°	11603.9	11339.6	10132.4	8049.4	5474.2	4264.3	4300.6	4191.8	4285.1	4445.7	4575.2
40°	12238.6	11961.4	10673.8	8261.8	4919.8	4000.1	4083.0	3966.4	4023.4	4189.2	4334.3
42.5°	12860.4	12565.1	11179.0	8502.8	4383.5	3741.0	3782.5	3738.4	3756.6	3930.1	4132.2
45°	13676.5	13344.9	11800.8	8673.8	3901.6	3536.3	3497.5	3422.4	3518.2	3743.6	3958.6
47.5°	15039.2	14642.8	12818.9	8785.2	3551.9	3419.8	3241.0	3197.0	3316.1	3567.4	3790.2
50°	16632.5	16290.5	14445.9	8780.0	3290.2	3321.3	2992.3	2953.4	3150.3	3404.2	3640.0
52.5°	17938.2	17591.1	15837.1	8520.9	3075.2	3111.5	2847.2	2738.4	3007.8	3243.6	3479.4
55°	18992.7	18601.5	16477.1	7438.0	2803.2	2777.3	2689.2	2489.7	2829.1	3083.0	3303.2
57.5°	18425.3	17959.0	15702.4	5655.6	2523.4	2360.2	2417.2	2269.5	2585.6	2904.2	3116.7
60°	15448.5	15028.8	12756.8	3010.4	2220.3	1971.5	2090.7	2114.0	2318.7	2689.2	2906.8
62.5°	10611.6	10305.9	8645.3	1826.5	1751.3	1582.9	1769.5	1937.9	2090.7	2404.2	2593.3
65°	5191.8	5101.2	4323.9	1171.0	1225.4	1279.8	1466.4	1671.0	1896.4	2171.0	2370.5
67.5°	1430.1	1440.4	1310.9	914.5	966.3	1116.6	1264.3	1427.5	1652.9	1906.8	2108.9
70°	629.5	639.9	660.6	704.7	803.1	940.4	1093.3	1261.7	1468.9	1681.4	1875.7
72.5°	437.8	448.2	479.3	536.3	624.4	753.9	899.0	1059.6	1274.6	1453.4	1614.0
75°	269.4	277.2	305.7	354.9	414.5	513.0	655.5	803.1	992.3	1155.5	1298.0
77.5°	142.5	137.3	155.4	189.1	240.9	292.8	388.6	481.9	616.6	748.7	867.9
80°	77.7	75.1	85.5	103.6	119.2	160.6	225.4	287.6	365.3	440.4	505.2
82.5°	33.7	31.1	33.7	44.0	54.4	77.7	114.0	158.0	202.1	253.9	295.3
85°	0.0	0.0	0.0	2.6	13.0	20.7	38.9	57.0	82.9	114.0	139.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	23.3
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°	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7
2.5°	5445.7	5381.0	5375.8	5324.0	5329.1	5331.7	5279.9	5259.2	5277.3	5298.0	5287.7
5°	5207.4	5140.0	5111.5	5062.3	5057.1	5033.8	5013.1	4987.2	5005.3	5023.4	5033.8
7.5°	5000.1	4956.1	4937.9	4925.0	4930.2	4919.8	4878.3	4855.0	4852.4	4860.2	4870.6
10°	4932.8	4896.5	4919.8	4956.1	4982.0	5000.1	4956.1	4917.2	4880.9	4865.4	4865.4
12.5°	5077.8	5031.2	5077.8	5116.7	5168.5	5181.5	5132.2	5090.8	5077.8	5093.4	5124.5
15°	5399.1	5290.3	5287.7	5311.0	5352.5	5373.2	5326.5	5305.8	5305.8	5404.3	5482.0
17.5°	5720.3	5541.6	5466.4	5453.5	5479.4	5487.2	5448.3	5430.2	5476.8	5668.5	5813.6
20°	5945.7	5728.1	5564.9	5533.8	5541.6	5544.2	5513.1	5500.1	5567.5	5800.6	5922.4
22.5°	5922.4	5761.8	5562.3	5523.4	5536.4	5531.2	5502.7	5497.5	5551.9	5754.0	5811.0
25°	5761.8	5637.4	5469.0	5443.1	5463.9	5461.3	5432.8	5419.8	5443.1	5577.8	5583.0
27.5°	5577.8	5469.0	5324.0	5316.2	5349.9	5368.0	5318.8	5279.9	5272.1	5362.8	5342.1
30°	5357.6	5277.3	5160.7	5165.9	5228.1	5238.5	5178.9	5121.9	5106.3	5155.6	5127.1
32.5°	5096.0	5070.1	5007.9	5020.8	5080.4	5101.2	5039.0	4979.4	4961.3	4976.8	4917.2
35°	4873.2	4862.8	4868.0	4891.3	4943.1	4958.7	4906.8	4860.2	4834.3	4779.9	4702.2
37.5°	4642.6	4671.1	4746.2	4790.3	4818.8	4813.6	4785.1	4751.4	4710.0	4608.9	4513.1
40°	4427.6	4500.1	4634.8	4684.0	4694.4	4697.0	4676.3	4647.8	4596.0	4461.2	4352.4
42.5°	4261.8	4342.1	4520.8	4596.0	4601.1	4606.3	4585.6	4562.3	4489.7	4311.0	4204.8
45°	4088.2	4194.4	4404.2	4494.9	4489.7	4487.1	4469.0	4458.7	4373.2	4165.9	4049.3
47.5°	3940.5	4064.9	4290.3	4368.0	4365.4	4362.8	4349.8	4349.8	4264.3	4039.0	3906.8
50°	3795.4	3937.9	4173.7	4238.4	4243.6	4238.4	4233.3	4241.0	4140.0	3899.1	3769.5
52.5°	3637.4	3798.0	4044.1	4103.7	4134.8	4147.8	4147.8	4129.6	4010.5	3759.2	3616.7
55°	3463.8	3616.7	3901.6	3982.0	4007.9	4031.2	4031.2	3994.9	3883.5	3629.6	3476.8
57.5°	3248.8	3383.5	3608.9	3689.2	3751.4	3766.9	3766.9	3707.3	3616.7	3373.1	3248.8
60°	3015.6	3132.2	3285.0	3370.5	3417.2	3386.1	3409.4	3393.9	3321.3	3095.9	2992.3
62.5°	2704.7	2823.9	2992.3	3080.4	3101.1	3070.0	3101.1	3098.5	3000.1	2798.0	2673.6
65°	2481.9	2598.5	2764.3	2878.3	2912.0	2904.2	2924.9	2893.8	2772.1	2580.4	2461.2
67.5°	2217.7	2342.0	2533.7	2660.7	2730.6	2738.4	2766.9	2702.1	2577.8	2367.9	2217.7
70°	1966.4	2072.6	2220.3	2339.4	2437.9	2487.1	2492.3	2399.0	2243.6	2070.0	1961.2
72.5°	1702.1	1810.9	1989.7	2119.2	2243.6	2300.6	2300.6	2186.6	2018.2	1826.5	1709.9
75°	1380.9	1481.9	1645.1	1785.0	1927.5	2000.0	1997.5	1899.0	1712.5	1531.1	1409.4
77.5°	935.3	1010.4	1114.0	1220.2	1241.0	1298.0	1326.5	1202.1	1098.5	1000.0	891.2
80°	544.1	590.7	647.7	707.3	720.2	738.4	691.7	645.1	590.7	525.9	476.7
82.5°	318.7	349.7	378.2	424.9	432.7	437.8	396.4	375.7	331.6	292.8	261.7
85°	155.4	165.8	191.7	215.0	204.7	199.5	181.4	160.6	142.5	126.9	111.4
87.5°	31.1	31.1	46.6	44.0	36.3	31.1	18.1	23.3	5.2	5.2	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°	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7
2.5°	5321.4	5365.4	5419.8	5492.4	5575.3	5663.3	5748.8	5813.6	5878.4	5974.2	5958.7
5°	5049.3	5124.5	5210.0	5321.4	5456.1	5608.9	5779.9	5950.9	6134.9	6290.3	6357.7
7.5°	4891.3	4974.2	5075.2	5220.3	5393.9	5580.4	5821.4	6098.6	6396.5	6601.2	6728.1
10°	4891.3	4997.5	5129.6	5269.5	5422.4	5614.1	5912.1	6259.2	6642.6	6912.1	7059.7
12.5°	5173.7	5279.9	5308.4	5303.2	5388.7	5601.2	5984.6	6427.6	6886.2	7171.1	7352.5
15°	5614.1	5650.4	5435.4	5238.5	5251.4	5507.9	6018.3	6562.3	7096.0	7438.0	7634.9
17.5°	5909.5	5813.6	5430.2	5085.6	5013.1	5349.9	6018.3	6691.9	7318.8	7704.8	7888.8
20°	5932.8	5694.4	5298.0	4937.9	4751.4	5140.0	5976.8	6790.3	7533.8	7961.3	8158.2
22.5°	5728.1	5492.4	5158.1	4811.0	4536.4	4886.1	5909.5	6865.4	7717.8	8202.3	8445.8
25°	5494.9	5298.0	5015.7	4681.5	4388.7	4629.6	5847.3	6992.4	7974.3	8528.7	8774.8
27.5°	5267.0	5101.2	4844.7	4572.6	4305.8	4406.8	5808.4	7178.9	8280.0	8992.4	9204.9
30°	5044.2	4893.9	4660.7	4469.0	4261.8	4261.8	5774.7	7393.9	8684.1	9513.2	9725.6
32.5°	4818.8	4676.3	4487.1	4368.0	4235.8	4204.8	5681.5	7596.0	9101.2	10083.1	10300.8
35°	4608.9	4466.4	4321.3	4272.1	4222.9	4160.7	5450.9	7754.1	9508.0	10748.9	10935.5
37.5°	4412.0	4274.7	4165.9	4152.9	4158.1	4041.5	5088.2	7886.2	10015.8	11430.3	11528.8
40°	4241.0	4088.2	4002.7	4000.1	4026.0	3849.8	4629.6	8075.3	10596.1	12008.0	11966.6
42.5°	4088.2	3927.6	3823.9	3847.2	3831.7	3658.1	4181.4	8248.9	11101.3	12549.5	12466.6
45°	3937.9	3782.5	3637.4	3671.1	3652.9	3538.9	3800.6	8375.8	11660.9	13199.8	13210.1
47.5°	3792.8	3640.0	3494.9	3453.4	3450.9	3502.7	3507.9	8417.3	12572.8	14246.4	14010.7
50°	3658.1	3505.3	3355.0	3215.1	3269.5	3430.1	3290.2	8386.2	13938.1	15401.9	14743.9
52.5°	3518.2	3373.1	3207.3	2956.0	3098.5	3256.6	3095.9	8274.8	14772.4	16422.7	16028.9
55°	3357.6	3220.3	2994.9	2689.2	2862.8	2896.4	2896.4	7197.1	15127.3	17433.0	17676.6
57.5°	3142.6	2961.2	2603.7	2357.6	2513.0	2383.5	2684.0	5036.4	14541.8	17114.4	18060.0
60°	2899.0	2704.7	2326.5	2150.3	2196.9	1969.0	2287.6	3158.1	12052.1	14562.5	16199.8
62.5°	2577.8	2399.0	2085.5	1948.2	1852.4	1606.3	1842.0	1997.5	8261.8	10813.7	11930.3
65°	2362.7	2165.9	1886.1	1704.7	1507.8	1292.8	1222.8	1310.9	4443.1	6052.0	6805.9
67.5°	2108.9	1914.6	1650.3	1422.3	1264.3	1108.8	987.1	956.0	1523.4	2015.6	2181.4
70°	1867.9	1681.4	1461.2	1248.7	1090.7	937.8	818.7	733.2	704.7	699.5	689.1
72.5°	1621.8	1448.2	1264.3	1067.4	893.8	753.9	647.7	549.2	507.8	494.8	481.9
75°	1329.0	1191.7	1007.8	795.4	655.5	525.9	443.0	378.2	342.0	329.0	313.5
77.5°	854.9	792.8	632.1	513.0	396.4	313.5	269.4	228.0	204.7	199.5	186.5
80°	456.0	424.9	349.7	295.3	235.8	191.7	168.4	145.1	132.1	126.9	121.8
82.5°	253.9	230.6	194.3	171.0	137.3	116.6	103.6	93.3	85.5	82.9	80.3
85°	114.0	98.4	77.7	72.5	64.8	59.6	57.0	51.8	49.2	46.6	44.0
87.5°	5.2	10.4	13.0	10.4	10.4	15.5	18.1	18.1	15.5	15.5	13.0
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: P642825

CATALOG NUMBER: GWS-SA6D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7	5673.7
2.5°	6054.5	6132.3	6140.0	6165.9	6132.3	6124.5	6070.1	6039.0	6010.5	6002.7
5°	6526.1	6681.5	6743.7	6787.7	6746.3	6725.5	6606.4	6482.0	6412.1	6378.4
7.5°	7010.5	7243.7	7365.5	7419.9	7425.0	7331.8	7127.1	6893.9	6777.4	6733.3
10°	7443.2	7730.7	7891.4	7995.0	7958.7	7844.7	7564.9	7248.9	7101.2	7062.3
12.5°	7764.4	8039.0	8163.4	8230.8	8228.2	8166.0	7901.7	7559.8	7391.4	7352.5
15°	7971.7	8134.9	8142.7	8158.2	8202.3	8285.2	8147.9	7831.8	7645.3	7590.8
17.5°	8134.9	8070.1	7948.4	7906.9	8005.4	8235.9	8318.8	8062.4	7860.3	7813.6
20°	8238.5	7912.1	7697.1	7616.8	7730.7	8106.4	8422.5	8269.6	8059.8	8000.2
22.5°	8318.8	7764.4	7417.3	7362.9	7482.0	7966.5	8528.7	8515.7	8285.2	8202.3
25°	8445.8	7666.0	7220.4	7181.5	7292.9	7899.1	8671.2	8849.9	8645.3	8526.1
27.5°	8645.3	7655.6	7119.3	7106.4	7259.2	7958.7	8875.8	9339.6	9083.1	8995.0
30°	8922.5	7754.1	7142.6	7168.6	7355.1	8173.8	9194.5	9899.2	9642.7	9505.4
32.5°	9321.5	8018.3	7497.6	7609.0	7746.3	8518.3	9660.8	10505.4	10311.1	10109.0
35°	9847.4	8743.7	8546.8	9020.9	8891.4	9272.2	10223.0	11241.2	11005.4	10829.3
37.5°	10549.5	10230.8	10412.2	11065.0	10751.5	10697.1	10909.6	11909.6	11780.1	11603.9
40°	11533.9	11598.7	11932.9	12790.4	12337.1	11987.3	11751.6	12412.2	12456.2	12238.6
42.5°	12186.8	12484.7	13290.5	14264.6	13640.2	12803.4	12456.2	13054.7	13057.3	12860.4
45°	12430.3	13210.1	14894.1	16015.9	14971.8	13269.7	12844.9	13927.8	13901.9	13676.5
47.5°	12342.2	13821.6	16560.0	18275.0	16681.7	13601.3	12790.4	15171.3	15381.2	15039.2
50°	12158.3	14435.6	18505.6	21041.9	18780.2	13953.7	12707.5	16549.6	16896.8	16632.5
52.5°	12344.8	15119.5	20806.2	23902.1	21412.4	14515.9	13267.1	18319.1	18256.9	17938.2
55°	12935.5	15927.8	23601.6	27495.4	24303.7	15466.7	14705.0	20005.6	19373.5	18992.7
57.5°	12907.0	16505.6	26052.4	30337.5	26819.3	16246.5	15205.0	20184.4	18907.2	18425.3
60°	11715.3	16241.3	26985.1	32135.4	27578.3	15816.4	13559.9	18028.9	15953.7	15448.5
62.5°	8743.7	14412.2	25176.7	29884.1	25430.6	13660.9	10197.1	12940.7	11464.0	10611.6
65°	5593.4	11274.9	21166.3	24210.4	20961.6	10448.4	6072.7	6938.0	5435.4	5191.8
67.5°	2380.9	7958.7	16453.7	16181.7	15681.7	6769.6	2344.6	1953.4	1456.0	1430.1
70°	787.6	5414.6	10142.7	10793.0	9365.5	4663.3	774.6	655.5	652.9	629.5
72.5°	515.6	2906.8	5710.0	6357.7	6026.0	2684.0	468.9	437.8	448.2	437.8
75°	308.3	632.1	961.2	1248.7	961.2	450.8	282.4	277.2	282.4	269.4
77.5°	181.4	176.2	171.0	171.0	168.4	155.4	142.5	137.3	139.9	142.5
80°	116.6	111.4	106.2	103.6	90.7	85.5	80.3	75.1	75.1	77.7
82.5°	75.1	69.9	64.8	57.0	46.6	38.9	36.3	31.1	31.1	33.7
85°	38.9	31.1	23.3	18.1	10.4	5.2	0.0	0.0	0.0	0.0
87.5°	7.8	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)