

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: P642166

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16956.5 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

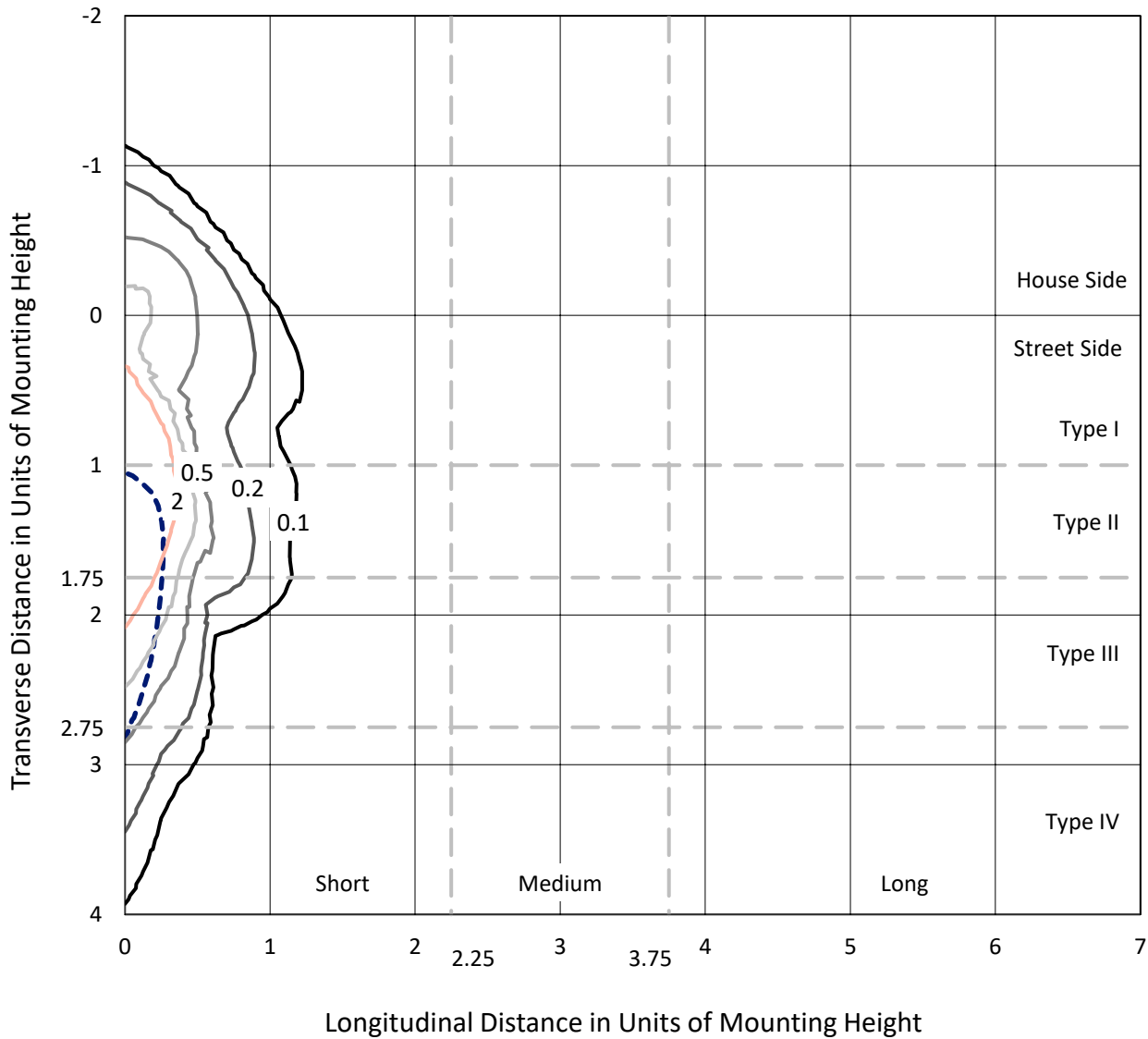
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

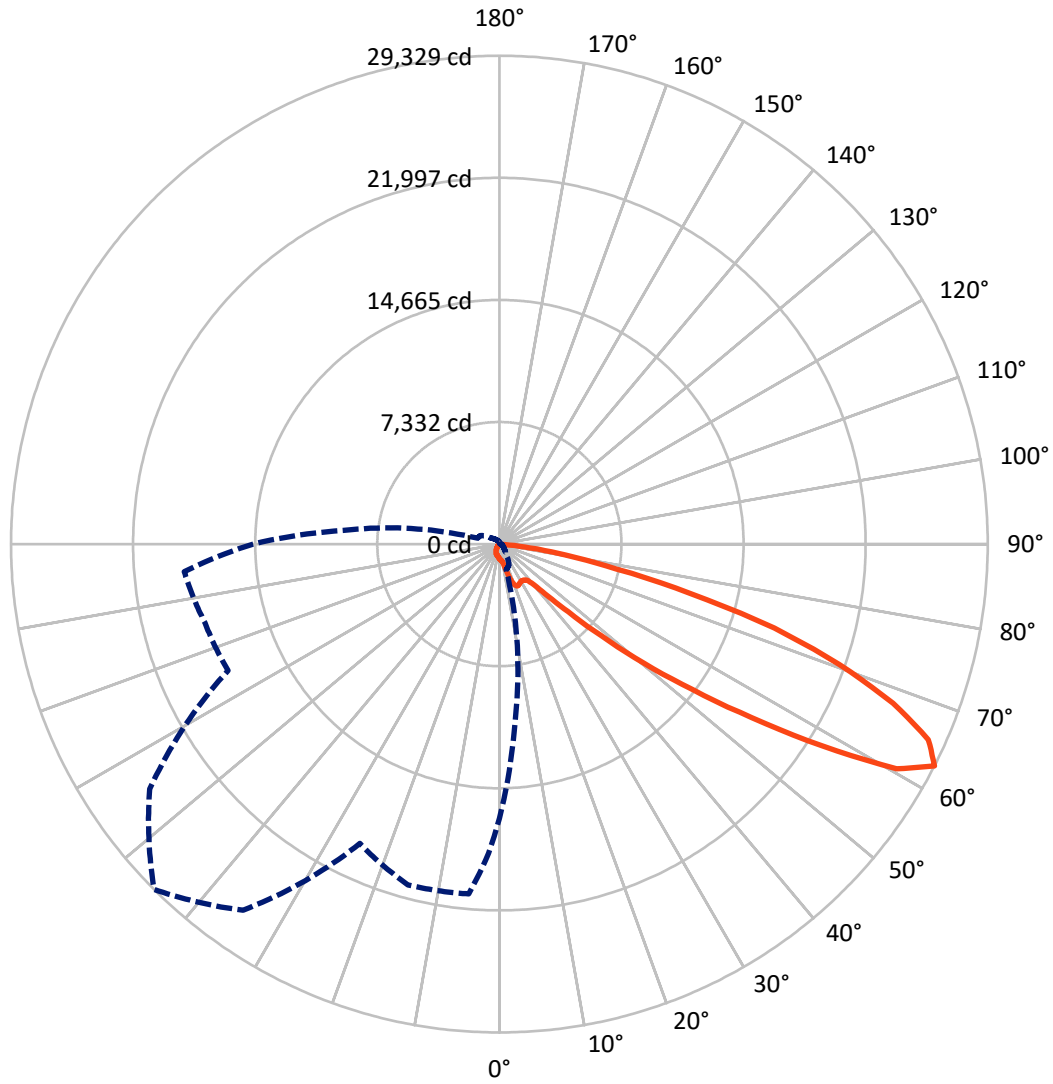
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1970.1	0.0	1970.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	14986.4	0.0	14986.4
	% Fixture	88.4	0.0	88.4
Total	Lumens	16956.5	0.0	16956.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	0.4
10°-20°	260.3	1.5
20°-30°	588.0	3.5
30°-40°	1013.0	6.0
40°-50°	1910.9	11.3
50°-60°	4266.4	25.2
60°-70°	5706.2	33.7
70°-80°	2861.5	16.9
80°-90°	274.3	1.6
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°	16956.5	100.0
0°-180°	16956.5	100.0

Coefficient of Utilization

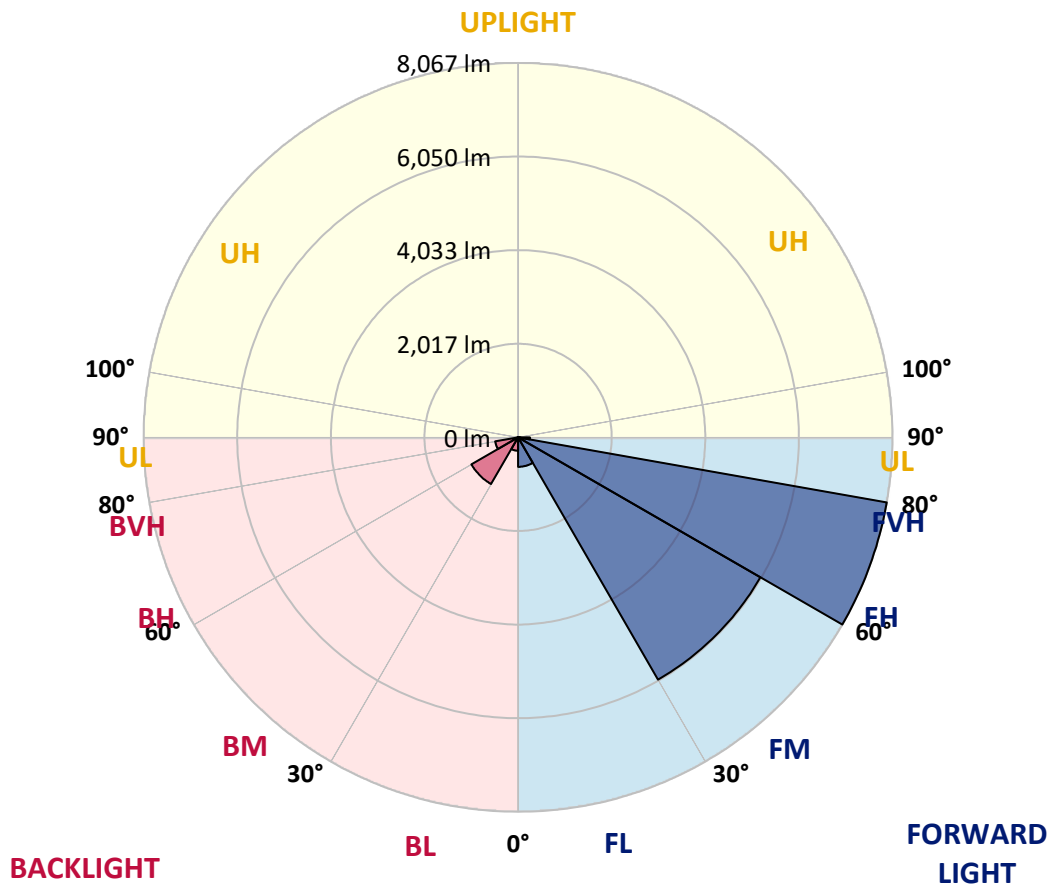


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.0	3.7			
FM (30°-60°)	6028.5	35.6			
FH (60°-80°)	8066.8	47.6			G4/12000
FVH (80°-90°)	256.0	1.5			G3/500
BL (0°-30°)	289.2	1.7	B1/500		
BM (30°-60°)	1161.7	6.9	B2/2500		
BH (60°-80°)	501.0	3.0	B2/1000		G2/1000
BVH (80°-90°)	18.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4
2.5°	869.3	867.3	863.3	851.3	841.2	835.2	823.2	823.2	821.2	817.1	809.1
5°	841.2	833.2	825.2	803.1	779.0	764.9	748.9	746.9	746.9	742.9	740.9
7.5°	797.1	789.0	779.0	742.9	720.8	706.7	692.7	690.7	684.6	684.6	684.6
10°	773.0	760.9	744.9	704.7	682.6	670.6	660.5	654.5	650.5	644.5	642.5
12.5°	825.2	803.1	769.0	696.7	666.6	650.5	638.5	634.4	622.4	614.4	608.3
15°	987.8	933.6	865.3	714.8	660.5	636.5	620.4	612.4	602.3	588.3	578.2
17.5°	1254.8	1176.5	1062.1	773.0	654.5	624.4	604.3	590.3	576.2	560.2	548.1
20°	1624.3	1507.8	1371.3	879.4	654.5	610.4	586.3	568.2	548.1	530.0	516.0
22.5°	2094.1	1977.6	1744.7	1060.1	662.6	592.3	564.2	540.1	516.0	499.9	483.9
25°	2620.1	2455.5	2238.6	1278.9	684.6	568.2	538.1	514.0	491.9	471.8	453.7
27.5°	3206.4	3027.7	2738.6	1590.1	732.8	544.1	510.0	487.9	467.8	447.7	423.6
30°	3746.4	3640.0	3344.9	1963.6	811.1	528.0	487.9	467.8	447.7	421.6	399.5
32.5°	4394.9	4206.2	3963.3	2389.2	915.5	512.0	469.8	441.7	425.6	401.5	377.5
35°	5047.4	4886.8	4567.6	2913.2	1032.0	495.9	447.7	421.6	407.6	379.5	353.4
37.5°	5720.0	5683.9	5368.7	3493.5	1146.4	477.8	421.6	405.6	391.5	359.4	329.3
40°	6382.6	6316.3	6025.2	4156.0	1216.7	457.8	399.5	389.5	373.4	337.3	303.2
42.5°	7017.0	6966.8	6683.8	4790.5	1206.6	439.7	377.5	365.4	353.4	317.2	275.1
45°	7796.0	7713.7	7356.3	5260.3	1104.3	459.8	355.4	335.3	333.3	299.2	247.0
47.5°	9253.7	8982.6	8376.3	5621.7	1001.9	512.0	331.3	307.2	321.2	281.1	218.8
50°	11295.5	10976.3	10098.9	5902.7	999.9	580.2	327.3	281.1	311.2	267.0	194.8
52.5°	13347.4	12785.3	11719.2	6053.3	1074.1	630.4	363.4	255.0	299.2	253.0	176.7
55°	15313.0	14146.5	12397.8	5555.4	1132.4	684.6	429.7	240.9	277.1	236.9	166.6
57.5°	17186.2	15240.7	12692.9	4394.9	1327.1	706.7	469.8	247.0	244.9	216.8	158.6
60°	17443.2	15188.5	12096.6	2555.8	1463.6	668.6	453.7	275.1	214.8	192.7	144.6
62.5°	16471.5	14178.6	10737.4	1594.1	1359.2	654.5	403.6	313.2	194.8	170.7	126.5
65°	14995.8	12594.5	8952.5	1028.0	1030.0	726.8	353.4	307.2	182.7	150.6	108.4
67.5°	12688.9	10540.6	7053.2	688.7	582.2	620.4	309.2	210.8	178.7	128.5	84.3
70°	9261.7	7502.9	4591.7	459.8	347.3	495.9	259.0	150.6	168.6	106.4	60.2
72.5°	6770.1	5041.4	2563.9	301.2	196.8	289.1	190.7	108.4	130.5	78.3	42.2
75°	4872.8	3469.4	1463.6	192.7	130.5	158.6	124.5	74.3	84.3	62.2	38.1
77.5°	2345.0	1690.5	664.6	106.4	88.3	80.3	66.3	46.2	52.2	56.2	34.1
80°	88.3	66.3	50.2	52.2	56.2	36.1	30.1	24.1	30.1	38.1	18.1
82.5°	0.0	0.0	0.0	6.0	8.0	10.0	12.0	10.0	12.0	14.1	2.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4
2.5°	815.1	811.1	815.1	819.2	823.2	827.2	821.2	825.2	829.2	819.2	823.2
5°	750.9	748.9	760.9	767.0	775.0	779.0	775.0	775.0	773.0	760.9	760.9
7.5°	694.7	696.7	706.7	720.8	730.8	736.8	732.8	730.8	724.8	706.7	706.7
10°	652.5	652.5	668.6	680.6	694.7	700.7	696.7	690.7	684.6	666.6	664.6
12.5°	618.4	618.4	630.4	650.5	666.6	674.6	672.6	664.6	654.5	636.5	634.4
15°	586.3	584.3	602.3	620.4	642.5	652.5	648.5	642.5	624.4	608.3	604.3
17.5°	554.1	552.1	568.2	592.3	616.4	630.4	628.4	614.4	598.3	578.2	574.2
20°	522.0	518.0	538.1	562.2	586.3	600.3	596.3	584.3	564.2	544.1	540.1
22.5°	489.9	487.9	501.9	522.0	544.1	556.1	554.1	544.1	524.0	505.9	505.9
25°	453.7	453.7	463.8	477.8	493.9	499.9	501.9	497.9	485.9	475.8	475.8
27.5°	423.6	417.6	421.6	425.6	433.7	443.7	443.7	447.7	449.7	445.7	447.7
30°	399.5	389.5	383.5	375.4	371.4	375.4	379.5	393.5	407.6	415.6	419.6
32.5°	371.4	359.4	343.3	321.2	307.2	303.2	315.2	341.3	367.4	385.5	395.5
35°	343.3	327.3	297.1	265.0	247.0	240.9	255.0	285.1	323.2	355.4	369.4
37.5°	315.2	293.1	251.0	212.8	192.7	188.7	202.8	234.9	279.1	323.2	341.3
40°	283.1	257.0	206.8	166.6	150.6	146.6	158.6	190.7	236.9	287.1	315.2
42.5°	251.0	218.8	166.6	132.5	116.4	116.4	132.5	156.6	198.8	253.0	287.1
45°	218.8	184.7	136.5	106.4	96.4	98.4	108.4	132.5	166.6	222.9	255.0
47.5°	188.7	158.6	112.4	88.3	80.3	82.3	94.4	114.4	142.5	192.7	226.9
50°	162.6	134.5	98.4	74.3	68.3	72.3	84.3	102.4	126.5	170.7	198.8
52.5°	146.6	120.5	90.3	64.2	60.2	64.2	76.3	92.4	114.4	150.6	178.7
55°	138.5	118.5	90.3	58.2	52.2	56.2	68.3	84.3	102.4	136.5	160.6
57.5°	136.5	122.5	96.4	52.2	44.2	48.2	60.2	76.3	94.4	124.5	144.6
60°	128.5	116.4	94.4	42.2	34.1	40.2	50.2	66.3	86.3	116.4	134.5
62.5°	112.4	102.4	82.3	34.1	26.1	30.1	42.2	58.2	78.3	106.4	126.5
65°	92.4	82.3	64.2	22.1	16.1	20.1	32.1	50.2	68.3	96.4	114.4
67.5°	68.3	58.2	44.2	14.1	8.0	14.1	26.1	42.2	62.2	86.3	104.4
70°	42.2	34.1	24.1	8.0	6.0	12.0	24.1	40.2	56.2	80.3	98.4
72.5°	24.1	16.1	10.0	4.0	6.0	12.0	24.1	40.2	54.2	76.3	92.4
75°	18.1	10.0	4.0	2.0	4.0	10.0	22.1	36.1	52.2	72.3	88.3
77.5°	12.0	6.0	2.0	0.0	2.0	8.0	20.1	34.1	48.2	68.3	84.3
80°	2.0	0.0	0.0	0.0	0.0	6.0	18.1	30.1	44.2	60.2	74.3
82.5°	0.0	0.0	0.0	0.0	0.0	2.0	14.1	26.1	38.1	50.2	60.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.0	20.1	30.1	38.1	42.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.1	24.1	28.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4
2.5°	821.2	833.2	833.2	841.2	851.3	869.3	879.4	893.4	903.5	913.5	917.5
5°	758.9	760.9	762.9	767.0	779.0	799.1	817.1	839.2	865.3	885.4	897.5
7.5°	706.7	706.7	706.7	712.7	724.8	738.8	756.9	787.0	817.1	841.2	861.3
10°	662.6	668.6	670.6	680.6	694.7	712.7	732.8	758.9	793.1	825.2	861.3
12.5°	634.4	640.5	650.5	660.5	674.6	694.7	716.8	750.9	821.2	887.4	963.7
15°	608.3	616.4	628.4	642.5	658.5	680.6	704.7	775.0	939.6	1064.1	1184.6
17.5°	580.2	592.3	608.3	622.4	642.5	666.6	696.7	833.2	1156.5	1363.3	1568.0
20°	544.1	560.2	578.2	600.3	624.4	652.5	696.7	953.7	1469.7	1766.8	2037.9
22.5°	510.0	526.0	548.1	576.2	604.3	632.4	706.7	1136.4	1873.2	2248.7	2592.0
25°	481.9	501.9	524.0	548.1	580.2	612.4	730.8	1393.4	2359.1	2843.0	3085.9
27.5°	455.8	479.8	501.9	522.0	550.1	586.3	785.0	1736.7	2933.3	3425.2	3615.9
30°	429.7	457.8	479.8	499.9	528.0	566.2	867.3	2174.4	3571.8	4049.6	4069.7
32.5°	407.6	433.7	459.8	479.8	505.9	550.1	981.8	2686.4	4226.3	4688.1	4499.3
35°	383.5	413.6	437.7	459.8	487.9	536.1	1114.3	3238.5	4886.8	5274.3	4927.0
37.5°	359.4	393.5	423.6	439.7	467.8	522.0	1210.7	3814.7	5561.4	5846.5	5302.4
40°	337.3	375.4	409.6	425.6	439.7	503.9	1224.7	4405.0	6246.1	6410.7	5655.8
42.5°	313.2	355.4	385.5	407.6	419.6	491.9	1140.4	4902.9	6820.3	6972.9	6117.6
45°	287.1	337.3	361.4	377.5	401.5	499.9	1032.0	5288.4	7476.8	7739.8	6878.5
47.5°	261.0	317.2	337.3	349.3	381.5	548.1	991.8	5545.4	8559.0	9105.1	8161.4
50°	236.9	299.2	321.2	319.2	377.5	610.4	1036.0	5740.1	10185.2	10827.7	9920.2
52.5°	210.8	279.1	305.2	297.1	407.6	658.5	1124.3	5894.7	11436.1	12847.5	12283.3
55°	188.7	257.0	281.1	279.1	463.8	694.7	1192.6	5079.6	11954.1	14724.7	14945.6
57.5°	172.7	232.9	253.0	287.1	499.9	694.7	1379.3	3605.9	11964.1	16106.1	18479.2
60°	158.6	210.8	224.9	315.2	485.9	658.5	1365.3	2208.5	11026.5	16011.7	20358.4
62.5°	146.6	190.7	208.8	323.2	429.7	652.5	1232.8	1369.3	9404.2	14793.0	18995.2
65°	136.5	174.7	200.8	297.1	389.5	698.7	831.2	983.8	7627.4	13403.6	17431.2
67.5°	126.5	160.6	212.8	242.9	353.4	624.4	600.3	698.7	5987.1	11879.8	15995.6
70°	118.5	152.6	224.9	198.8	309.2	487.9	425.6	530.0	4583.7	9912.2	13973.8
72.5°	112.4	142.5	188.7	156.6	251.0	377.5	297.1	385.5	2995.5	7737.8	11391.9
75°	106.4	130.5	138.5	126.5	186.7	247.0	224.9	259.0	1784.9	5655.8	8643.3
77.5°	104.4	122.5	112.4	102.4	126.5	146.6	170.7	174.7	871.4	2828.9	4529.5
80°	92.4	110.4	96.4	84.3	86.3	96.4	126.5	116.4	198.8	718.8	1208.7
82.5°	72.3	86.3	80.3	70.3	70.3	70.3	84.3	78.3	64.2	323.2	546.1
85°	50.2	60.2	60.2	56.2	54.2	54.2	52.2	50.2	18.1	20.1	30.1
87.5°	34.1	42.2	44.2	42.2	36.1	32.1	28.1	24.1	8.0	0.0	4.0
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: P642166

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4	879.4
2.5°	931.6	937.6	937.6	929.6	923.6	907.5	891.4	875.4	871.4	869.3
5°	931.6	955.7	967.7	965.7	951.7	925.6	891.4	855.3	845.3	841.2
7.5°	917.5	963.7	999.9	1005.9	979.8	933.6	871.4	817.1	803.1	797.1
10°	949.7	1040.0	1112.3	1122.3	1092.2	1001.9	901.5	809.1	787.0	773.0
12.5°	1122.3	1270.9	1359.2	1401.4	1343.2	1228.7	1062.1	897.5	847.3	825.2
15°	1471.7	1682.5	1851.1	1851.1	1796.9	1594.1	1383.3	1116.3	1048.0	987.8
17.5°	1919.4	2184.4	2333.0	2316.9	2234.6	2092.1	1839.1	1455.6	1317.1	1254.8
20°	2429.4	2588.0	2622.1	2612.1	2575.9	2493.6	2318.9	1907.3	1720.6	1624.3
22.5°	2871.1	2828.9	2778.7	2738.6	2728.5	2752.6	2728.5	2411.3	2264.7	2094.1
25°	3170.2	2931.3	2780.7	2708.4	2742.6	2881.1	3031.7	2913.2	2796.8	2620.1
27.5°	3332.8	2919.2	2702.4	2628.1	2686.4	2883.1	3210.4	3411.1	3290.7	3206.4
30°	3421.2	2909.2	2652.2	2579.9	2668.3	2915.2	3334.8	3876.9	3881.0	3746.4
32.5°	3547.7	2973.5	2662.3	2596.0	2714.5	3011.6	3491.5	4350.8	4467.2	4394.9
35°	3690.2	3071.8	2708.4	2648.2	2794.8	3140.1	3666.1	4828.6	5071.5	5047.4
37.5°	3824.7	3182.3	2816.9	2758.6	2917.2	3250.5	3834.8	5298.4	5635.7	5720.0
40°	3965.3	3336.9	3150.1	3206.4	3294.7	3425.2	3985.4	5706.0	6256.1	6382.6
42.5°	4296.6	3872.9	4158.0	4264.4	4276.5	4007.4	4314.6	6228.0	6866.5	7017.0
45°	5035.4	4826.6	5643.7	5794.3	5716.0	4900.9	5107.7	6980.9	7719.7	7796.0
47.5°	5969.0	6065.4	7677.6	8197.6	7727.8	5954.9	6069.4	8565.0	9281.8	9253.7
50°	7057.2	7512.9	9986.5	11213.2	10088.9	7324.2	7177.7	10512.5	11381.9	11295.5
52.5°	8344.2	9195.4	12761.2	14503.9	13439.8	8864.2	8803.9	13092.4	13622.5	13347.4
55°	9964.4	10819.7	15953.5	18388.9	16875.0	10743.4	10950.2	16084.0	16186.4	15313.0
57.5°	12381.7	12937.9	19716.0	22844.0	20460.8	13297.2	14797.0	20065.3	18840.6	17186.2
60°	16770.6	15662.4	23352.0	27401.6	24275.5	16889.1	19870.6	22424.4	19724.0	17443.2
62.5°	18298.5	17975.3	25628.8	29329.0	26841.4	19838.4	21189.6	21087.3	18579.6	16471.5
65°	15983.6	17399.0	25221.2	28311.1	26512.2	19352.6	19015.3	19611.6	17290.6	14995.8
67.5°	14764.9	16045.8	23677.2	25502.3	24687.1	17704.2	16949.3	16786.7	14515.9	12688.9
70°	13536.2	14805.0	21438.6	21665.5	21286.0	15017.9	14026.0	12935.8	10849.8	9261.7
72.5°	12058.5	12757.2	18332.6	17256.5	16826.8	11795.5	11586.6	9741.5	8133.3	6770.1
75°	10516.5	10313.7	14293.1	11843.6	12164.9	9177.4	9785.7	7153.6	5959.0	4872.8
77.5°	7649.5	7498.9	9572.9	7193.7	7966.7	6011.2	5400.8	2855.0	2718.5	2345.0
80°	4268.4	5145.8	5169.9	4031.5	5029.4	3919.1	1351.2	94.4	60.2	88.3
82.5°	1983.6	2212.5	2802.8	1869.2	2869.1	1941.5	279.1	0.0	0.0	0.0
85°	642.5	939.6	787.0	275.1	694.7	656.5	46.2	0.0	0.0	0.0
87.5°	38.1	78.3	20.1	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

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