

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: P641781

Luminaire Tested: GWS-SA6B-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641781
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-SA6B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13113.1 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

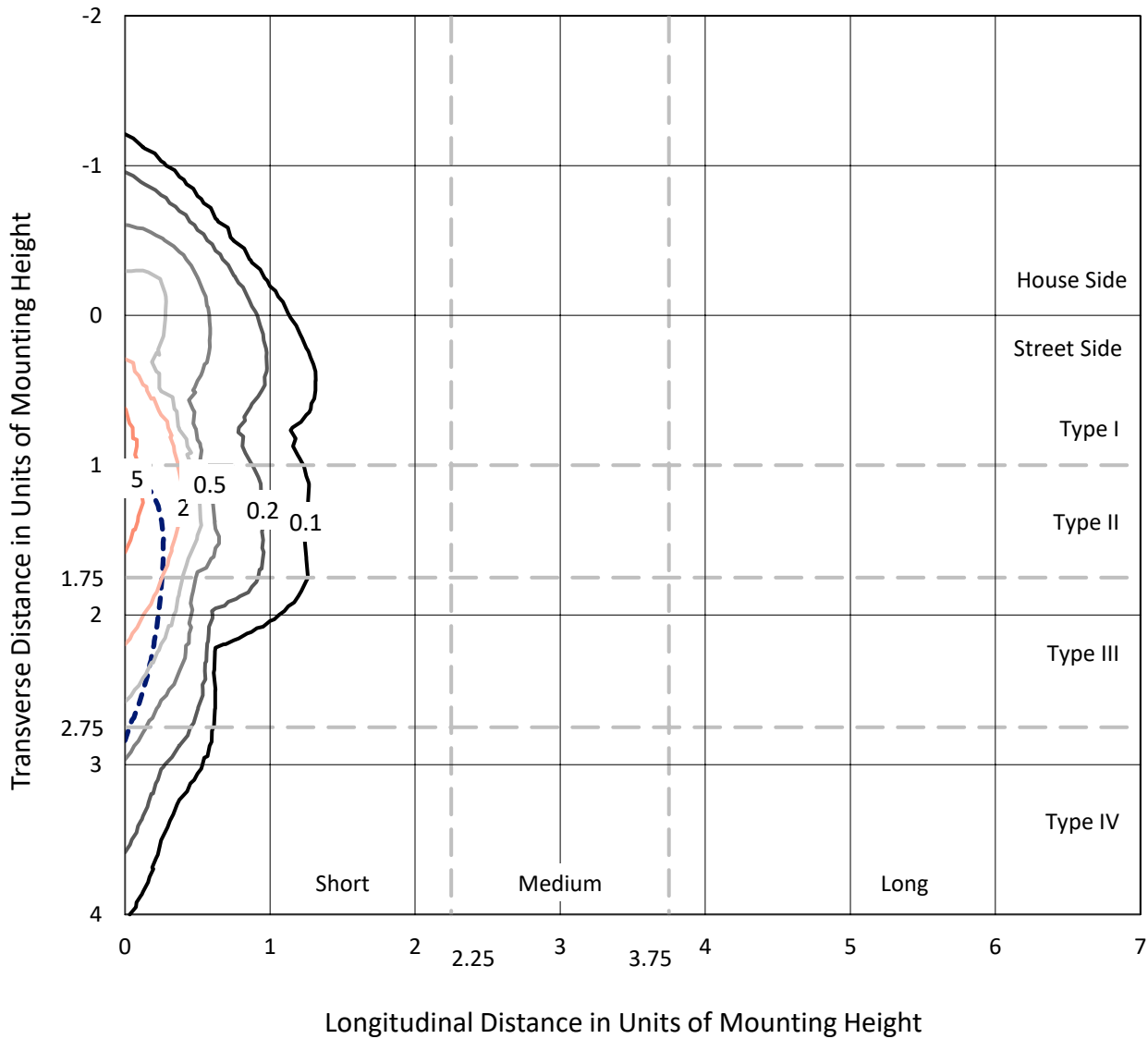
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

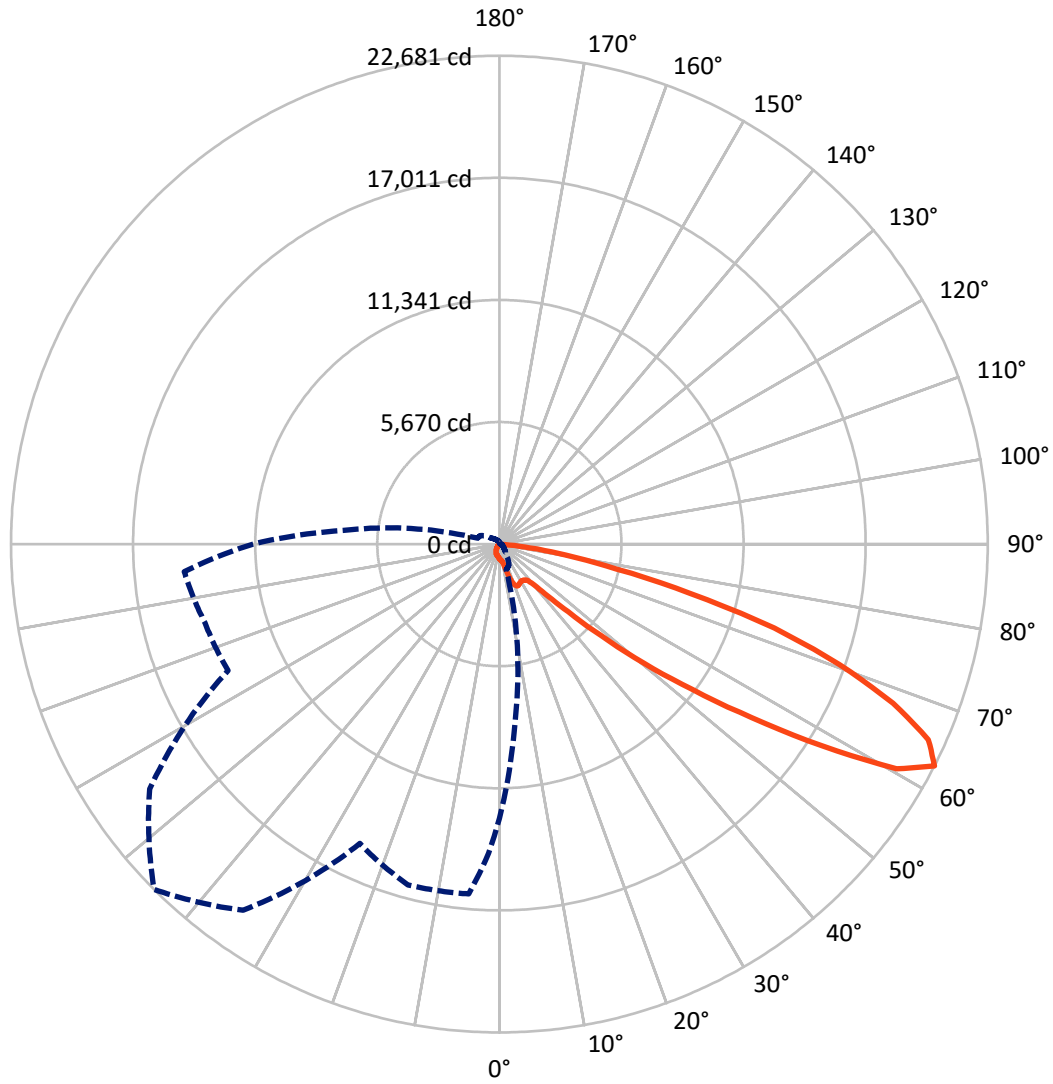
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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	1523.6	0.0	1523.6
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	11589.5	0.0	11589.5
	% Fixture	88.4	0.0	88.4
Total	Lumens	13113.1	0.0	13113.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	0.4
10°-20°	201.3	1.5
20°-30°	454.7	3.5
30°-40°	783.4	6.0
40°-50°	1477.7	11.3
50°-60°	3299.4	25.2
60°-70°	4412.9	33.7
70°-80°	2212.9	16.9
80°-90°	212.1	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°	13113.1	100.0
0°-180°	13113.1	100.0

Coefficient of Utilization

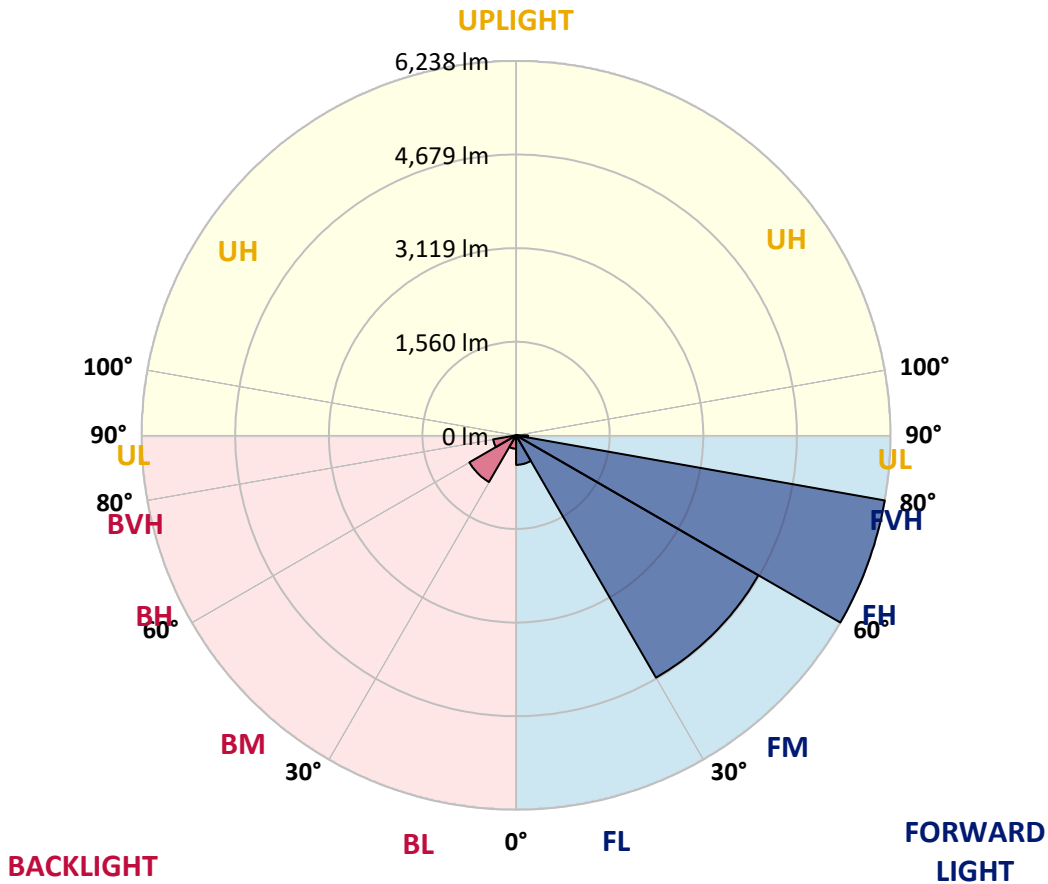


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.1	3.7			
FM (30°-60°)	4662.1	35.6			
FH (60°-80°)	6238.3	47.6			G3/7500
FVH (80°-90°)	198.0	1.5			G2/225
BL (0°-30°)	223.6	1.7	B1/500		
BM (30°-60°)	898.4	6.9	B1/1000		
BH (60°-80°)	387.4	3.0	B1/500		G1/500
BVH (80°-90°)	14.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1
2.5°	672.3	670.7	667.6	658.3	650.6	645.9	636.6	636.6	635.0	631.9	625.7
5°	650.6	644.4	638.1	621.1	602.4	591.6	579.1	577.6	577.6	574.5	572.9
7.5°	616.4	610.2	602.4	574.5	557.4	546.5	535.7	534.1	529.5	529.5	529.5
10°	597.8	588.5	576.0	545.0	527.9	518.6	510.8	506.2	503.1	498.4	496.9
12.5°	638.1	621.1	594.7	538.8	515.5	503.1	493.7	490.6	481.3	475.1	470.5
15°	763.9	722.0	669.2	552.7	510.8	492.2	479.8	473.6	465.8	454.9	447.2
17.5°	970.4	909.9	821.4	597.8	506.2	482.9	467.4	456.5	445.6	433.2	423.9
20°	1256.1	1166.0	1060.5	680.1	506.2	472.0	453.4	439.4	423.9	409.9	399.0
22.5°	1619.4	1529.4	1349.3	819.8	512.4	458.0	436.3	417.7	399.0	386.6	374.2
25°	2026.2	1898.9	1731.2	989.0	529.5	439.4	416.1	397.5	380.4	364.9	350.9
27.5°	2479.6	2341.4	2117.8	1229.7	566.7	420.8	394.4	377.3	361.8	346.2	327.6
30°	2897.3	2815.0	2586.7	1518.5	627.3	408.3	377.3	361.8	346.2	326.1	309.0
32.5°	3398.8	3252.8	3064.9	1847.7	708.0	395.9	363.3	341.6	329.2	310.5	291.9
35°	3903.4	3779.2	3532.3	2252.9	798.1	383.5	346.2	326.1	315.2	293.5	273.3
37.5°	4423.5	4395.6	4151.8	2701.6	886.6	369.5	326.1	313.6	302.8	277.9	254.6
40°	4935.9	4884.7	4659.5	3214.0	940.9	354.0	309.0	301.2	288.8	260.8	234.5
42.5°	5426.5	5387.7	5168.8	3704.6	933.1	340.0	291.9	282.6	273.3	245.3	212.7
45°	6029.0	5965.3	5688.9	4068.0	854.0	355.6	274.8	259.3	257.7	231.3	191.0
47.5°	7156.2	6946.6	6477.7	4347.4	774.8	395.9	256.2	237.6	248.4	217.4	169.2
50°	8735.3	8488.4	7809.9	4564.8	773.2	448.7	253.1	217.4	240.7	206.5	150.6
52.5°	10322.1	9887.3	9062.9	4681.3	830.7	487.5	281.0	197.2	231.3	195.6	136.6
55°	11842.1	10940.0	9587.7	4296.2	875.7	529.5	332.3	186.3	214.3	183.2	128.9
57.5°	13290.8	11786.2	9815.9	3398.8	1026.3	546.5	363.3	191.0	189.4	167.7	122.7
60°	13489.5	11745.9	9354.8	1976.5	1131.9	517.0	350.9	212.7	166.1	149.1	111.8
62.5°	12738.0	10964.9	8303.6	1232.8	1051.1	506.2	312.1	242.2	150.6	132.0	97.8
65°	11596.8	9739.8	6923.3	795.0	796.5	562.1	273.3	237.6	141.3	116.4	83.8
67.5°	9812.8	8151.5	5454.5	532.6	450.3	479.8	239.1	163.0	138.2	99.4	65.2
70°	7162.4	5802.3	3550.9	355.6	268.6	383.5	200.3	116.4	130.4	82.3	46.6
72.5°	5235.6	3898.7	1982.7	232.9	152.2	223.6	147.5	83.8	100.9	60.6	32.6
75°	3768.3	2683.0	1131.9	149.1	100.9	122.7	96.3	57.4	65.2	48.1	29.5
77.5°	1813.5	1307.3	513.9	82.3	68.3	62.1	51.2	35.7	40.4	43.5	26.4
80°	68.3	51.2	38.8	40.4	43.5	27.9	23.3	18.6	23.3	29.5	14.0
82.5°	0.0	0.0	0.0	4.7	6.2	7.8	9.3	7.8	9.3	10.9	1.6
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°	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1
2.5°	630.4	627.3	630.4	633.5	636.6	639.7	635.0	638.1	641.2	633.5	636.6
5°	580.7	579.1	588.5	593.1	599.3	602.4	599.3	599.3	597.8	588.5	588.5
7.5°	537.2	538.8	546.5	557.4	565.2	569.8	566.7	565.2	560.5	546.5	546.5
10°	504.6	504.6	517.0	526.4	537.2	541.9	538.8	534.1	529.5	515.5	513.9
12.5°	478.2	478.2	487.5	503.1	515.5	521.7	520.1	513.9	506.2	492.2	490.6
15°	453.4	451.8	465.8	479.8	496.9	504.6	501.5	496.9	482.9	470.5	467.4
17.5°	428.5	427.0	439.4	458.0	476.7	487.5	486.0	475.1	462.7	447.2	444.1
20°	403.7	400.6	416.1	434.7	453.4	464.2	461.1	451.8	436.3	420.8	417.7
22.5°	378.8	377.3	388.2	403.7	420.8	430.1	428.5	420.8	405.2	391.3	391.3
25°	350.9	350.9	358.7	369.5	382.0	386.6	388.2	385.1	375.7	368.0	368.0
27.5°	327.6	323.0	326.1	329.2	335.4	343.1	343.1	346.2	347.8	344.7	346.2
30°	309.0	301.2	296.6	290.3	287.2	290.3	293.5	304.3	315.2	321.4	324.5
32.5°	287.2	277.9	265.5	248.4	237.6	234.5	243.8	264.0	284.1	298.1	305.9
35°	265.5	253.1	229.8	205.0	191.0	186.3	197.2	220.5	250.0	274.8	285.7
37.5°	243.8	226.7	194.1	164.6	149.1	145.9	156.8	181.7	215.8	250.0	264.0
40°	218.9	198.7	159.9	128.9	116.4	113.3	122.7	147.5	183.2	222.0	243.8
42.5°	194.1	169.2	128.9	102.5	90.1	90.1	102.5	121.1	153.7	195.6	222.0
45°	169.2	142.8	105.6	82.3	74.5	76.1	83.8	102.5	128.9	172.3	197.2
47.5°	145.9	122.7	86.9	68.3	62.1	63.7	73.0	88.5	110.2	149.1	175.5
50°	125.8	104.0	76.1	57.4	52.8	55.9	65.2	79.2	97.8	132.0	153.7
52.5°	113.3	93.2	69.9	49.7	46.6	49.7	59.0	71.4	88.5	116.4	138.2
55°	107.1	91.6	69.9	45.0	40.4	43.5	52.8	65.2	79.2	105.6	124.2
57.5°	105.6	94.7	74.5	40.4	34.2	37.3	46.6	59.0	73.0	96.3	111.8
60°	99.4	90.1	73.0	32.6	26.4	31.1	38.8	51.2	66.8	90.1	104.0
62.5°	86.9	79.2	63.7	26.4	20.2	23.3	32.6	45.0	60.6	82.3	97.8
65°	71.4	63.7	49.7	17.1	12.4	15.5	24.8	38.8	52.8	74.5	88.5
67.5°	52.8	45.0	34.2	10.9	6.2	10.9	20.2	32.6	48.1	66.8	80.7
70°	32.6	26.4	18.6	6.2	4.7	9.3	18.6	31.1	43.5	62.1	76.1
72.5°	18.6	12.4	7.8	3.1	4.7	9.3	18.6	31.1	41.9	59.0	71.4
75°	14.0	7.8	3.1	1.6	3.1	7.8	17.1	27.9	40.4	55.9	68.3
77.5°	9.3	4.7	1.6	0.0	1.6	6.2	15.5	26.4	37.3	52.8	65.2
80°	1.6	0.0	0.0	0.0	0.0	4.7	14.0	23.3	34.2	46.6	57.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	10.9	20.2	29.5	38.8	46.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	15.5	23.3	29.5	32.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	15.5	18.6	21.7
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°	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1
2.5°	635.0	644.4	644.4	650.6	658.3	672.3	680.1	690.9	698.7	706.5	709.6
5°	586.9	588.5	590.0	593.1	602.4	618.0	631.9	649.0	669.2	684.7	694.0
7.5°	546.5	546.5	546.5	551.2	560.5	571.4	585.4	608.6	631.9	650.6	666.1
10°	512.4	517.0	518.6	526.4	537.2	551.2	566.7	586.9	613.3	638.1	666.1
12.5°	490.6	495.3	503.1	510.8	521.7	537.2	554.3	580.7	635.0	686.3	745.3
15°	470.5	476.7	486.0	496.9	509.3	526.4	545.0	599.3	726.6	822.9	916.1
17.5°	448.7	458.0	470.5	481.3	496.9	515.5	538.8	644.4	894.3	1054.3	1212.6
20°	420.8	433.2	447.2	464.2	482.9	504.6	538.8	737.5	1136.5	1366.3	1575.9
22.5°	394.4	406.8	423.9	445.6	467.4	489.1	546.5	878.8	1448.6	1739.0	2004.5
25°	372.6	388.2	405.2	423.9	448.7	473.6	565.2	1077.5	1824.4	2198.6	2386.4
27.5°	352.5	371.1	388.2	403.7	425.4	453.4	607.1	1343.0	2268.4	2648.8	2796.3
30°	332.3	354.0	371.1	386.6	408.3	437.8	670.7	1681.5	2762.2	3131.7	3147.2
32.5°	315.2	335.4	355.6	371.1	391.3	425.4	759.2	2077.5	3268.3	3625.5	3479.5
35°	296.6	319.8	338.5	355.6	377.3	414.6	861.7	2504.4	3779.2	4078.8	3810.2
37.5°	277.9	304.3	327.6	340.0	361.8	403.7	936.3	2950.1	4300.9	4521.3	4100.6
40°	260.8	290.3	316.7	329.2	340.0	389.7	947.1	3406.5	4830.3	4957.6	4373.8
42.5°	242.2	274.8	298.1	315.2	324.5	380.4	881.9	3791.6	5274.4	5392.4	4730.9
45°	222.0	260.8	279.5	291.9	310.5	386.6	798.1	4089.7	5782.1	5985.5	5319.4
47.5°	201.8	245.3	260.8	270.2	295.0	423.9	767.0	4288.4	6619.0	7041.3	6311.6
50°	183.2	231.3	248.4	246.9	291.9	472.0	801.2	4439.0	7876.6	8373.5	7671.7
52.5°	163.0	215.8	236.0	229.8	315.2	509.3	869.5	4558.6	8843.9	9935.5	9499.2
55°	145.9	198.7	217.4	215.8	358.7	537.2	922.3	3928.2	9244.5	11387.2	11558.0
57.5°	133.5	180.1	195.6	222.0	386.6	537.2	1066.7	2788.6	9252.3	12455.4	14290.7
60°	122.7	163.0	173.9	243.8	375.7	509.3	1055.8	1707.9	8527.2	12382.4	15744.0
62.5°	113.3	147.5	161.5	250.0	332.3	504.6	953.3	1058.9	7272.7	11440.0	14689.7
65°	105.6	135.1	155.3	229.8	301.2	540.3	642.8	760.8	5898.5	10365.5	13480.2
67.5°	97.8	124.2	164.6	187.9	273.3	482.9	464.2	540.3	4630.0	9187.1	12370.0
70°	91.6	118.0	173.9	153.7	239.1	377.3	329.2	409.9	3544.7	7665.5	10806.5
72.5°	86.9	110.2	145.9	121.1	194.1	291.9	229.8	298.1	2316.6	5983.9	8809.8
75°	82.3	100.9	107.1	97.8	144.4	191.0	173.9	200.3	1380.3	4373.8	6684.2
77.5°	80.7	94.7	86.9	79.2	97.8	113.3	132.0	135.1	673.9	2187.7	3502.8
80°	71.4	85.4	74.5	65.2	66.8	74.5	97.8	90.1	153.7	555.9	934.7
82.5°	55.9	66.8	62.1	54.3	54.3	54.3	65.2	60.6	49.7	250.0	422.3
85°	38.8	46.6	46.6	43.5	41.9	41.9	40.4	38.8	14.0	15.5	23.3
87.5°	26.4	32.6	34.2	32.6	27.9	24.8	21.7	18.6	6.2	0.0	3.1
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: P641781

CATALOG NUMBER: GWS-SA6B-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1
2.5°	720.4	725.1	725.1	718.9	714.2	701.8	689.4	677.0	673.9	672.3
5°	720.4	739.1	748.4	746.8	736.0	715.8	689.4	661.4	653.7	650.6
7.5°	709.6	745.3	773.2	777.9	757.7	722.0	673.9	631.9	621.1	616.4
10°	734.4	804.3	860.2	867.9	844.6	774.8	697.1	625.7	608.6	597.8
12.5°	867.9	982.8	1051.1	1083.8	1038.7	950.2	821.4	694.0	655.2	638.1
15°	1138.1	1301.1	1431.6	1431.6	1389.6	1232.8	1069.8	863.3	810.5	763.9
17.5°	1484.3	1689.3	1804.2	1791.8	1728.1	1617.9	1422.2	1125.7	1018.5	970.4
20°	1878.7	2001.4	2027.8	2020.0	1992.1	1928.4	1793.3	1475.0	1330.6	1256.1
22.5°	2220.3	2187.7	2148.9	2117.8	2110.1	2128.7	2110.1	1864.7	1751.4	1619.4
25°	2451.6	2266.9	2150.4	2094.5	2120.9	2228.1	2344.5	2252.9	2162.9	2026.2
27.5°	2577.4	2257.6	2089.9	2032.4	2077.5	2229.6	2482.7	2638.0	2544.8	2479.6
30°	2645.7	2249.8	2051.1	1995.2	2063.5	2254.5	2579.0	2998.2	3001.3	2897.3
32.5°	2743.5	2299.5	2058.8	2007.6	2099.2	2329.0	2700.1	3364.6	3454.7	3398.8
35°	2853.8	2375.6	2094.5	2048.0	2161.3	2428.4	2835.2	3734.1	3922.0	3903.4
37.5°	2957.8	2461.0	2178.4	2133.4	2256.0	2513.8	2965.6	4097.5	4358.3	4423.5
40°	3066.5	2580.5	2436.1	2479.6	2547.9	2648.8	3082.0	4412.7	4838.1	4935.9
42.5°	3322.7	2995.1	3215.6	3297.8	3307.2	3099.1	3336.7	4816.3	5310.1	5426.5
45°	3894.1	3732.6	4364.5	4481.0	4420.4	3790.0	3950.0	5398.6	5970.0	6029.0
47.5°	4616.1	4690.6	5937.4	6339.5	5976.2	4605.2	4693.7	6623.6	7177.9	7156.2
50°	5457.6	5810.0	7722.9	8671.6	7802.1	5664.1	5550.8	8129.7	8802.0	8735.3
52.5°	6452.8	7111.2	9868.7	11216.4	10393.5	6855.0	6808.4	10124.9	10534.8	10322.1
55°	7705.8	8367.3	12337.4	14220.8	13050.1	8308.3	8468.2	12438.3	12517.5	11842.1
57.5°	9575.2	10005.3	15247.1	17666.1	15823.1	10283.3	11443.1	15517.3	14570.1	13290.8
60°	12969.4	12112.3	18059.0	21190.7	18773.2	13061.0	15366.7	17341.6	15253.3	13489.5
62.5°	14150.9	13900.9	19819.7	22681.2	20757.5	15341.8	16386.8	16307.6	14368.3	12738.0
65°	12360.7	13455.3	19504.5	21894.0	20502.8	14966.1	14705.2	15166.4	13371.5	11596.8
67.5°	11418.2	12408.8	18310.5	19721.9	19091.5	13691.3	13107.5	12981.8	11225.7	9812.8
70°	10468.0	11449.3	16579.3	16754.7	16461.3	11613.9	10846.9	10003.8	8390.6	7162.4
72.5°	9325.3	9865.6	14177.3	13345.1	13012.8	9121.9	8960.4	7533.5	6289.8	5235.6
75°	8132.8	7976.0	11053.4	9159.1	9407.6	7097.2	7567.7	5532.1	4608.3	3768.3
77.5°	5915.6	5799.2	7403.1	5563.2	6160.9	4648.7	4176.7	2207.9	2102.3	1813.5
80°	3301.0	3979.5	3998.1	3117.7	3889.4	3030.8	1044.9	73.0	46.6	68.3
82.5°	1534.0	1711.0	2167.5	1445.5	2218.7	1501.4	215.8	0.0	0.0	0.0
85°	496.9	726.6	608.6	212.7	537.2	507.7	35.7	0.0	0.0	0.0
87.5°	29.5	60.6	15.5	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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