

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: P641671

Luminaire Tested: GWS-SA6B-735-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641671
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-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: 12643.6 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

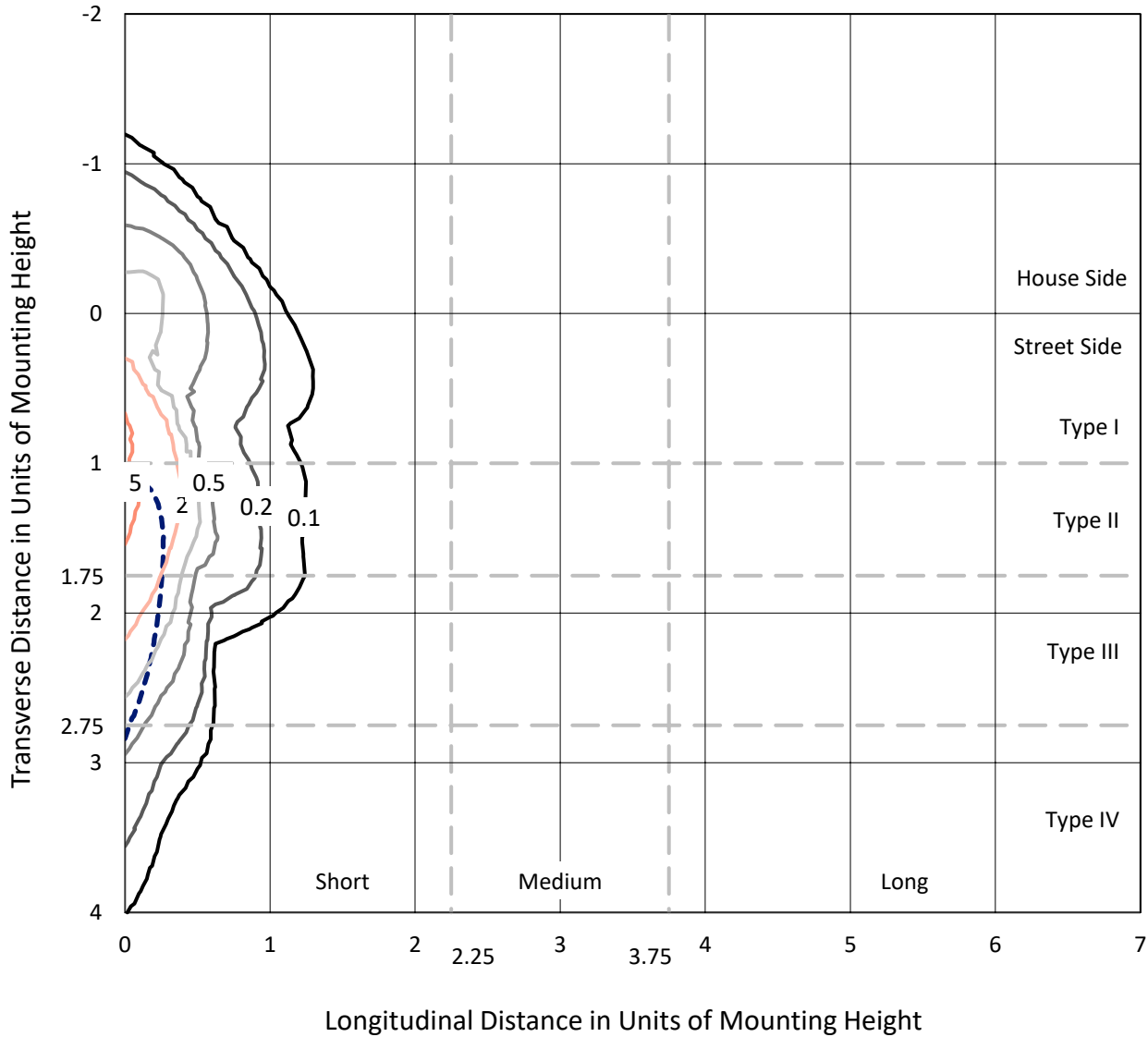
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

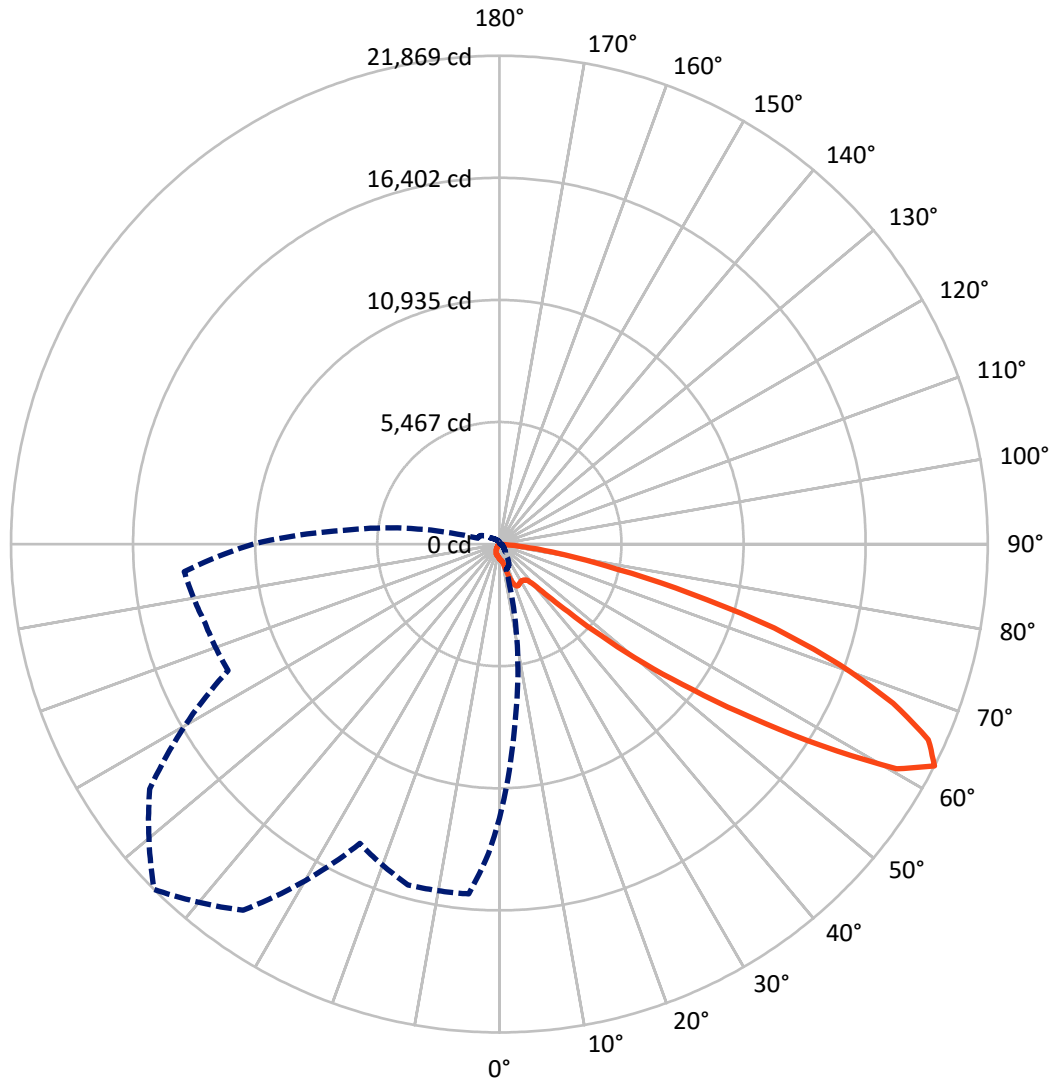
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	1469.0	0.0	1469.0
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	11174.6	0.0	11174.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	12643.6	0.0	12643.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	0.4
10°-20°	194.1	1.5
20°-30°	438.4	3.5
30°-40°	755.3	6.0
40°-50°	1424.8	11.3
50°-60°	3181.2	25.2
60°-70°	4254.9	33.7
70°-80°	2133.7	16.9
80°-90°	204.5	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°	12643.6	100.0
0°-180°	12643.6	100.0

Coefficient of Utilization



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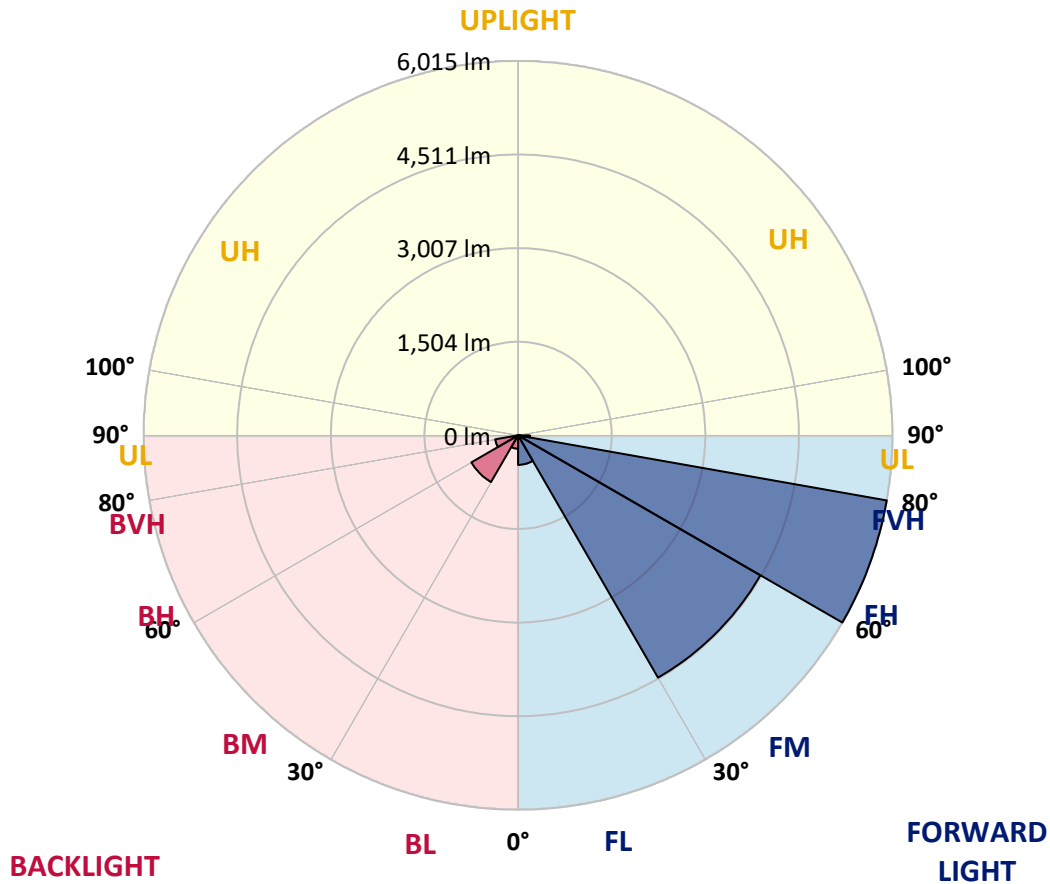
CATALOG NUMBER: GWS-SA6B-735-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.5	3.7			
FM (30°-60°)	4495.2	35.6			
FH (60°-80°)	6015.0	47.6			G3/7500
FVH (80°-90°)	190.9	1.5			G2/225
BL (0°-30°)	215.6	1.7	B1/500		
BM (30°-60°)	866.2	6.9	B1/1000		
BH (60°-80°)	373.6	3.0	B1/500		G1/500
BVH (80°-90°)	13.6	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°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	648.2	646.7	643.7	634.8	627.3	622.8	613.8	613.8	612.3	609.3	603.3
5°	627.3	621.3	615.3	598.8	580.9	570.4	558.4	556.9	556.9	553.9	552.4
7.5°	594.3	588.3	580.9	553.9	537.4	527.0	516.5	515.0	510.5	510.5	510.5
10°	576.4	567.4	555.4	525.5	509.0	500.0	492.5	488.0	485.0	480.6	479.1
12.5°	615.3	598.8	573.4	519.5	497.0	485.0	476.1	473.1	464.1	458.1	453.6
15°	736.6	696.1	645.2	533.0	492.5	474.6	462.6	456.6	449.1	438.6	431.2
17.5°	935.7	877.3	791.9	576.4	488.0	465.6	450.6	440.1	429.7	417.7	408.7
20°	1211.1	1124.3	1022.5	655.7	488.0	455.1	437.1	423.7	408.7	395.2	384.7
22.5°	1561.4	1474.6	1301.0	790.5	494.0	441.6	420.7	402.7	384.7	372.8	360.8
25°	1953.7	1830.9	1669.2	953.6	510.5	423.7	401.2	383.2	366.8	351.8	338.3
27.5°	2390.8	2257.6	2042.0	1185.7	546.4	405.7	380.3	363.8	348.8	333.8	315.9
30°	2793.5	2714.2	2494.1	1464.1	604.8	393.7	363.8	348.8	333.8	314.4	297.9
32.5°	3277.1	3136.4	2955.2	1781.5	682.7	381.8	350.3	329.4	317.4	299.4	281.4
35°	3763.6	3643.9	3405.8	2172.2	769.5	369.8	333.8	314.4	303.9	282.9	263.5
37.5°	4265.1	4238.2	4003.2	2604.9	854.8	356.3	314.4	302.4	291.9	268.0	245.5
40°	4759.2	4709.8	4492.7	3098.9	907.2	341.3	297.9	290.4	278.5	251.5	226.1
42.5°	5232.2	5194.8	4983.7	3572.0	899.7	327.9	281.4	272.5	263.5	236.5	205.1
45°	5813.1	5751.7	5485.3	3922.3	823.4	342.8	265.0	250.0	248.5	223.1	184.1
47.5°	6900.0	6697.9	6245.8	4191.8	747.0	381.8	247.0	229.1	239.5	209.6	163.2
50°	8422.5	8184.5	7530.2	4401.4	745.5	432.7	244.0	209.6	232.0	199.1	145.2
52.5°	9952.5	9533.3	8738.4	4513.7	800.9	470.1	271.0	190.1	223.1	188.6	131.7
55°	11418.1	10548.3	9244.4	4142.4	844.3	510.5	320.4	179.6	206.6	176.7	124.3
57.5°	12814.9	11364.2	9464.5	3277.1	989.6	527.0	350.3	184.1	182.6	161.7	118.3
60°	13006.5	11325.3	9019.8	1905.8	1091.4	498.5	338.3	205.1	160.2	143.7	107.8
62.5°	12281.9	10572.3	8006.3	1188.7	1013.5	488.0	300.9	233.5	145.2	127.3	94.3
65°	11181.6	9391.1	6675.4	766.5	768.0	541.9	263.5	229.1	136.2	112.3	80.8
67.5°	9461.5	7859.6	5259.2	513.5	434.1	462.6	230.5	157.2	133.2	95.8	62.9
70°	6906.0	5594.5	3423.8	342.8	259.0	369.8	193.1	112.3	125.8	79.3	44.9
72.5°	5048.1	3759.1	1911.8	224.6	146.7	215.6	142.2	80.8	97.3	58.4	31.4
75°	3633.4	2586.9	1091.4	143.7	97.3	118.3	92.8	55.4	62.9	46.4	28.4
77.5°	1748.6	1260.5	495.5	79.3	65.9	59.9	49.4	34.4	38.9	41.9	25.5
80°	65.9	49.4	37.4	38.9	41.9	26.9	22.5	18.0	22.5	28.4	13.5
82.5°	0.0	0.0	0.0	4.5	6.0	7.5	9.0	7.5	9.0	10.5	1.5
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°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	607.8	604.8	607.8	610.8	613.8	616.8	612.3	615.3	618.3	610.8	613.8
5°	559.9	558.4	567.4	571.9	577.9	580.9	577.9	577.9	576.4	567.4	567.4
7.5°	518.0	519.5	527.0	537.4	544.9	549.4	546.4	544.9	540.4	527.0	527.0
10°	486.5	486.5	498.5	507.5	518.0	522.5	519.5	515.0	510.5	497.0	495.5
12.5°	461.1	461.1	470.1	485.0	497.0	503.0	501.5	495.5	488.0	474.6	473.1
15°	437.1	435.6	449.1	462.6	479.1	486.5	483.6	479.1	465.6	453.6	450.6
17.5°	413.2	411.7	423.7	441.6	459.6	470.1	468.6	458.1	446.1	431.2	428.2
20°	389.2	386.2	401.2	419.2	437.1	447.6	444.6	435.6	420.7	405.7	402.7
22.5°	365.3	363.8	374.3	389.2	405.7	414.7	413.2	405.7	390.7	377.3	377.3
25°	338.3	338.3	345.8	356.3	368.3	372.8	374.3	371.3	362.3	354.8	354.8
27.5°	315.9	311.4	314.4	317.4	323.4	330.9	330.9	333.8	335.3	332.3	333.8
30°	297.9	290.4	285.9	280.0	277.0	280.0	282.9	293.4	303.9	309.9	312.9
32.5°	277.0	268.0	256.0	239.5	229.1	226.1	235.0	254.5	274.0	287.4	294.9
35°	256.0	244.0	221.6	197.6	184.1	179.6	190.1	212.6	241.0	265.0	275.5
37.5°	235.0	218.6	187.1	158.7	143.7	140.7	151.2	175.2	208.1	241.0	254.5
40°	211.1	191.6	154.2	124.3	112.3	109.3	118.3	142.2	176.7	214.1	235.0
42.5°	187.1	163.2	124.3	98.8	86.8	86.8	98.8	116.8	148.2	188.6	214.1
45°	163.2	137.7	101.8	79.3	71.9	73.4	80.8	98.8	124.3	166.2	190.1
47.5°	140.7	118.3	83.8	65.9	59.9	61.4	70.4	85.3	106.3	143.7	169.2
50°	121.3	100.3	73.4	55.4	50.9	53.9	62.9	76.4	94.3	127.3	148.2
52.5°	109.3	89.8	67.4	47.9	44.9	47.9	56.9	68.9	85.3	112.3	133.2
55°	103.3	88.3	67.4	43.4	38.9	41.9	50.9	62.9	76.4	101.8	119.8
57.5°	101.8	91.3	71.9	38.9	32.9	35.9	44.9	56.9	70.4	92.8	107.8
60°	95.8	86.8	70.4	31.4	25.5	29.9	37.4	49.4	64.4	86.8	100.3
62.5°	83.8	76.4	61.4	25.5	19.5	22.5	31.4	43.4	58.4	79.3	94.3
65°	68.9	61.4	47.9	16.5	12.0	15.0	24.0	37.4	50.9	71.9	85.3
67.5°	50.9	43.4	32.9	10.5	6.0	10.5	19.5	31.4	46.4	64.4	77.8
70°	31.4	25.5	18.0	6.0	4.5	9.0	18.0	29.9	41.9	59.9	73.4
72.5°	18.0	12.0	7.5	3.0	4.5	9.0	18.0	29.9	40.4	56.9	68.9
75°	13.5	7.5	3.0	1.5	3.0	7.5	16.5	26.9	38.9	53.9	65.9
77.5°	9.0	4.5	1.5	0.0	1.5	6.0	15.0	25.5	35.9	50.9	62.9
80°	1.5	0.0	0.0	0.0	0.0	4.5	13.5	22.5	32.9	44.9	55.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	10.5	19.5	28.4	37.4	44.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	15.0	22.5	28.4	31.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	15.0	18.0	21.0
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°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	612.3	621.3	621.3	627.3	634.8	648.2	655.7	666.2	673.7	681.2	684.2
5°	565.9	567.4	568.9	571.9	580.9	595.8	609.3	625.8	645.2	660.2	669.2
7.5°	527.0	527.0	527.0	531.5	540.4	550.9	564.4	586.9	609.3	627.3	642.2
10°	494.0	498.5	500.0	507.5	518.0	531.5	546.4	565.9	591.3	615.3	642.2
12.5°	473.1	477.6	485.0	492.5	503.0	518.0	534.5	559.9	612.3	661.7	718.6
15°	453.6	459.6	468.6	479.1	491.0	507.5	525.5	577.9	700.6	793.4	883.3
17.5°	432.7	441.6	453.6	464.1	479.1	497.0	519.5	621.3	862.3	1016.5	1169.2
20°	405.7	417.7	431.2	447.6	465.6	486.5	519.5	711.1	1095.9	1317.4	1519.5
22.5°	380.3	392.2	408.7	429.7	450.6	471.6	527.0	847.3	1396.8	1676.7	1932.7
25°	359.3	374.3	390.7	408.7	432.7	456.6	544.9	1039.0	1759.1	2119.8	2301.0
27.5°	339.8	357.8	374.3	389.2	410.2	437.1	585.4	1295.0	2187.2	2554.0	2696.2
30°	320.4	341.3	357.8	372.8	393.7	422.2	646.7	1621.3	2663.3	3019.6	3034.6
32.5°	303.9	323.4	342.8	357.8	377.3	410.2	732.1	2003.1	3151.3	3495.7	3354.9
35°	285.9	308.4	326.4	342.8	363.8	399.7	830.9	2414.8	3643.9	3932.8	3673.8
37.5°	268.0	293.4	315.9	327.9	348.8	389.2	902.7	2844.4	4146.9	4359.5	3953.8
40°	251.5	280.0	305.4	317.4	327.9	375.8	913.2	3284.6	4657.4	4780.1	4217.2
42.5°	233.5	265.0	287.4	303.9	312.9	366.8	850.3	3655.8	5085.5	5199.3	4561.6
45°	214.1	251.5	269.5	281.4	299.4	372.8	769.5	3943.3	5575.1	5771.2	5129.0
47.5°	194.6	236.5	251.5	260.5	284.4	408.7	739.6	4134.9	6382.0	6789.2	6085.6
50°	176.7	223.1	239.5	238.0	281.4	455.1	772.5	4280.1	7594.6	8073.7	7397.0
52.5°	157.2	208.1	227.6	221.6	303.9	491.0	838.4	4395.4	8527.3	9579.7	9159.1
55°	140.7	191.6	209.6	208.1	345.8	518.0	889.3	3787.6	8913.5	10979.5	11144.2
57.5°	128.7	173.7	188.6	214.1	372.8	518.0	1028.5	2688.7	8921.0	12009.5	13779.0
60°	118.3	157.2	167.7	235.0	362.3	491.0	1018.0	1646.8	8221.9	11939.1	15180.3
62.5°	109.3	142.2	155.7	241.0	320.4	486.5	919.2	1021.0	7012.3	11030.4	14163.7
65°	101.8	130.2	149.7	221.6	290.4	521.0	619.8	733.6	5687.4	9994.4	12997.5
67.5°	94.3	119.8	158.7	181.1	263.5	465.6	447.6	521.0	4464.3	8858.1	11927.1
70°	88.3	113.8	167.7	148.2	230.5	363.8	317.4	395.2	3417.8	7391.0	10419.6
72.5°	83.8	106.3	140.7	116.8	187.1	281.4	221.6	287.4	2233.6	5769.7	8494.4
75°	79.3	97.3	103.3	94.3	139.2	184.1	167.7	193.1	1330.9	4217.2	6444.9
77.5°	77.8	91.3	83.8	76.4	94.3	109.3	127.3	130.2	649.7	2109.4	3377.4
80°	68.9	82.3	71.9	62.9	64.4	71.9	94.3	86.8	148.2	535.9	901.2
82.5°	53.9	64.4	59.9	52.4	52.4	52.4	62.9	58.4	47.9	241.0	407.2
85°	37.4	44.9	44.9	41.9	40.4	40.4	38.9	37.4	13.5	15.0	22.5
87.5°	25.5	31.4	32.9	31.4	26.9	24.0	21.0	18.0	6.0	0.0	3.0
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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CATALOG NUMBER: GWS-SA6B-735-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	694.6	699.1	699.1	693.1	688.7	676.7	664.7	652.7	649.7	648.2
5°	694.6	712.6	721.6	720.1	709.6	690.1	664.7	637.8	630.3	627.3
7.5°	684.2	718.6	745.5	750.0	730.6	696.1	649.7	609.3	598.8	594.3
10°	708.1	775.5	829.4	836.9	814.4	747.0	672.2	603.3	586.9	576.4
12.5°	836.9	947.6	1013.5	1045.0	1001.5	916.2	791.9	669.2	631.8	615.3
15°	1097.3	1254.5	1380.3	1380.3	1339.9	1188.7	1031.5	832.4	781.5	736.6
17.5°	1431.2	1628.8	1739.6	1727.6	1666.2	1559.9	1371.3	1085.4	982.1	935.7
20°	1811.5	1929.7	1955.2	1947.7	1920.7	1859.4	1729.1	1422.2	1283.0	1211.1
22.5°	2140.8	2109.4	2071.9	2042.0	2034.5	2052.5	2034.5	1798.0	1688.7	1561.4
25°	2363.9	2185.7	2073.4	2019.5	2045.0	2148.3	2260.6	2172.2	2085.4	1953.7
27.5°	2485.1	2176.7	2015.1	1959.7	2003.1	2149.8	2393.8	2543.5	2453.7	2390.8
30°	2551.0	2169.2	1977.6	1923.7	1989.6	2173.7	2486.6	2890.8	2893.8	2793.5
32.5°	2645.3	2217.2	1985.1	1935.7	2024.0	2245.6	2603.4	3244.1	3331.0	3277.1
35°	2751.6	2290.5	2019.5	1974.6	2083.9	2341.4	2733.6	3600.4	3781.6	3763.6
37.5°	2851.9	2372.9	2100.4	2057.0	2175.2	2423.8	2859.4	3950.8	4202.3	4265.1
40°	2956.7	2488.1	2348.9	2390.8	2456.7	2554.0	2971.7	4254.7	4664.9	4759.2
42.5°	3203.7	2887.8	3100.4	3179.8	3188.8	2988.1	3217.2	4643.9	5120.0	5232.2
45°	3754.6	3598.9	4208.3	4320.5	4262.1	3654.3	3808.5	5205.3	5756.2	5813.1
47.5°	4450.8	4522.6	5724.8	6112.5	5762.2	4440.3	4525.6	6386.5	6920.9	6900.0
50°	5262.2	5602.0	7446.4	8361.1	7522.8	5461.3	5352.0	7838.6	8486.9	8422.5
52.5°	6221.8	6856.6	9515.4	10814.8	10021.4	6609.5	6564.6	9762.4	10157.6	9952.5
55°	7429.9	8067.7	11895.7	13711.6	12582.8	8010.8	8165.0	11993.0	12069.4	11418.1
57.5°	9232.4	9647.1	14701.2	17033.6	15256.6	9915.1	11033.4	14961.7	14048.5	12814.9
60°	12505.0	11678.6	17412.4	20432.0	18101.0	12593.3	14816.5	16720.7	14707.2	13006.5
62.5°	13644.3	13403.2	19110.1	21869.2	20014.3	14792.5	15800.0	15723.7	13853.9	12281.9
65°	11918.1	12973.6	18806.2	21110.1	19768.8	14430.2	14178.7	14623.3	12892.7	11181.6
67.5°	11009.4	11964.6	17654.9	19015.7	18407.9	13201.1	12638.2	12517.0	10823.8	9461.5
70°	10093.2	11039.4	15985.7	16154.8	15871.9	11198.1	10458.5	9645.6	8090.1	6906.0
72.5°	8991.4	9512.4	13669.7	12867.3	12546.9	8795.3	8639.6	7263.8	6064.6	5048.1
75°	7841.6	7690.4	10657.6	8831.2	9070.7	6843.1	7296.7	5334.0	4443.3	3633.4
77.5°	5703.8	5591.5	7138.0	5364.0	5940.4	4482.2	4027.1	2128.8	2027.0	1748.6
80°	3182.8	3837.0	3854.9	3006.1	3750.2	2922.3	1007.5	70.4	44.9	65.9
82.5°	1479.1	1649.8	2089.9	1393.8	2139.3	1447.7	208.1	0.0	0.0	0.0
85°	479.1	700.6	586.9	205.1	518.0	489.5	34.4	0.0	0.0	0.0
87.5°	28.4	58.4	15.0	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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