

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: P641675

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

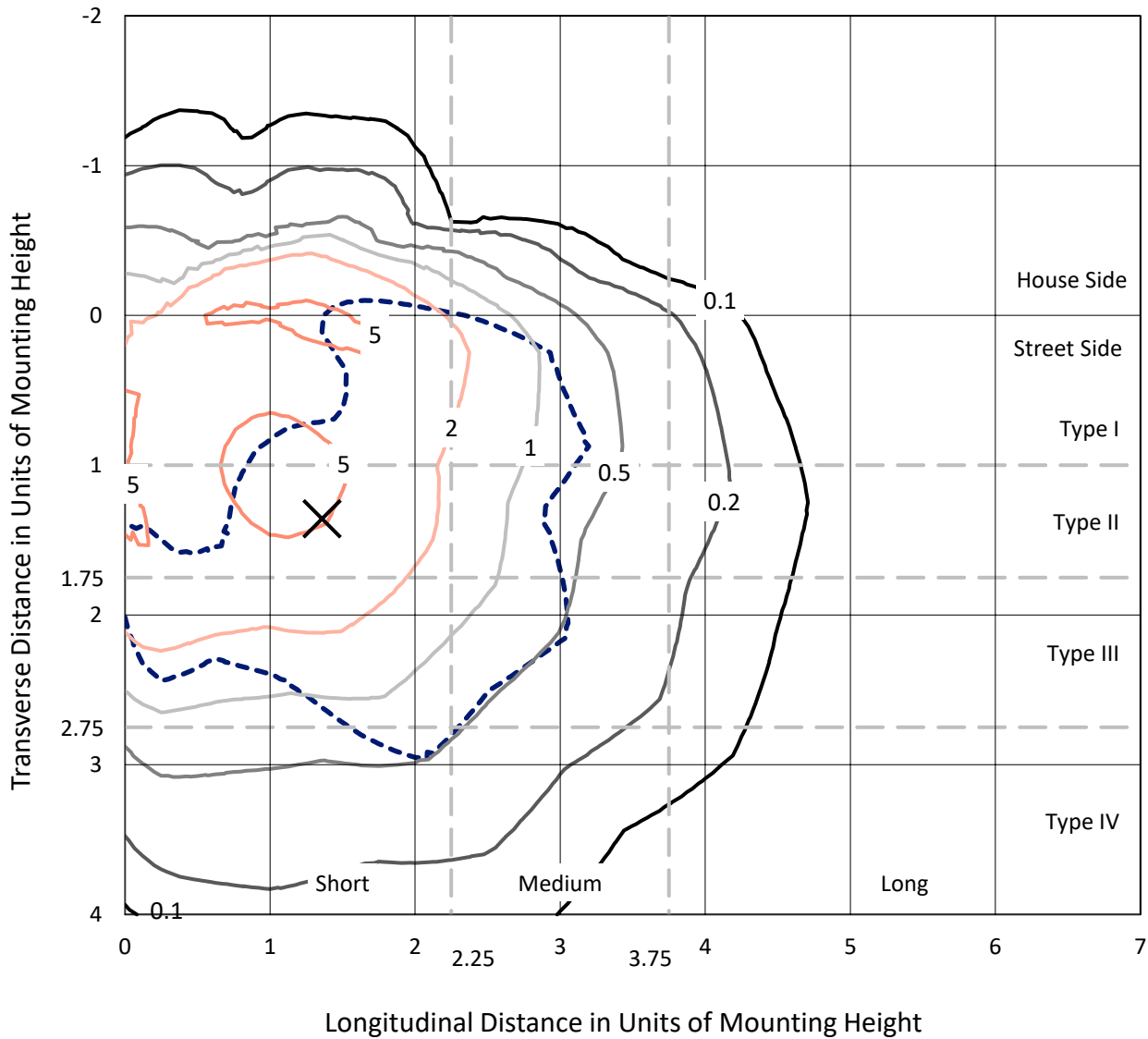
Lumens per Lamp: N/A  
Luminaire Lumens: 12959.5 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

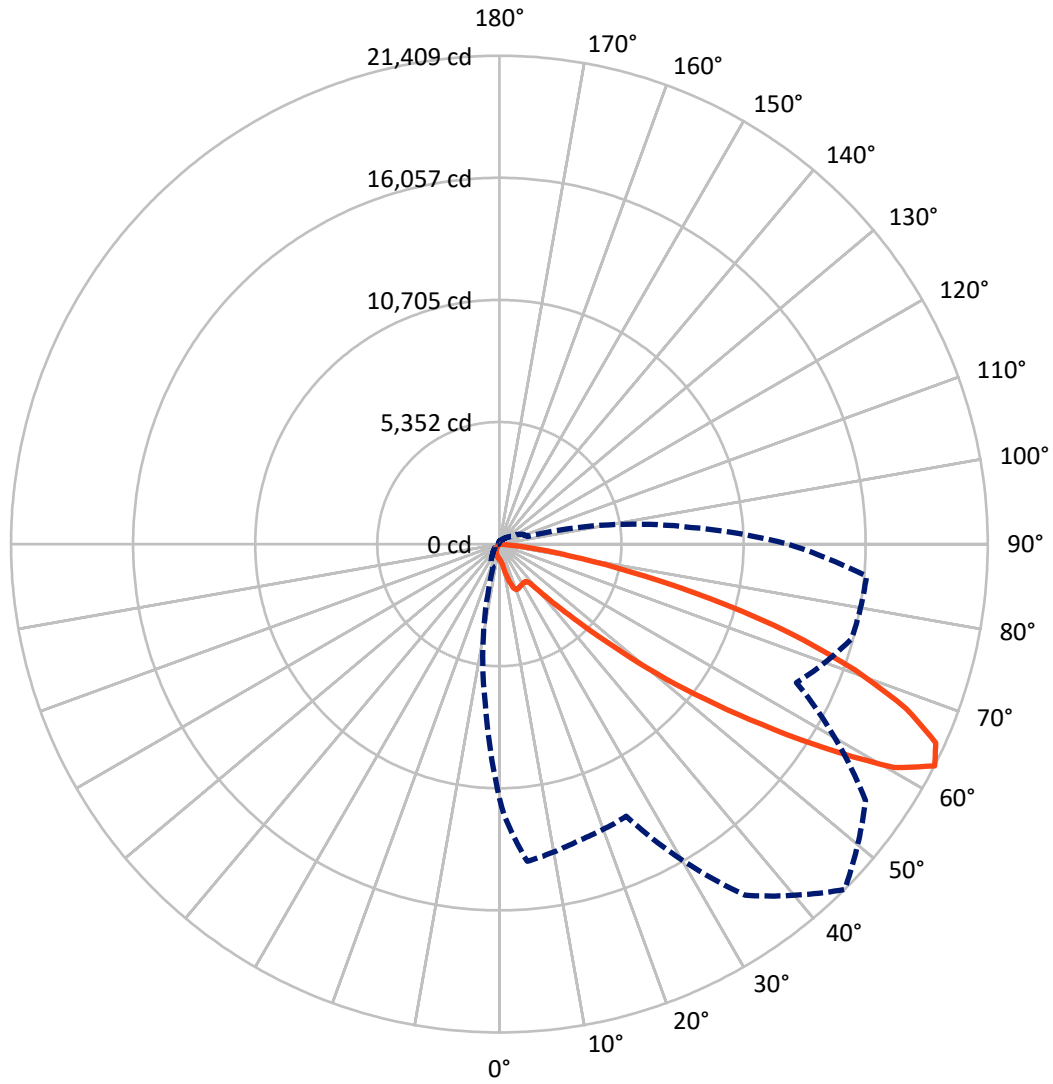
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1599.2	0.0	1599.2
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	11360.3	0.0	11360.3
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	12959.5	0.0	12959.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.8	0.5
10°-20°	225.9	1.7
20°-30°	491.2	3.8
30°-40°	806.2	6.2
40°-50°	1482.0	11.4
50°-60°	3182.7	24.6
60°-70°	4274.8	33.0
70°-80°	2225.9	17.2
80°-90°	211.1	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°	12959.5	100.0
0°-180°	12959.5	100.0

**Coefficient of Utilization**



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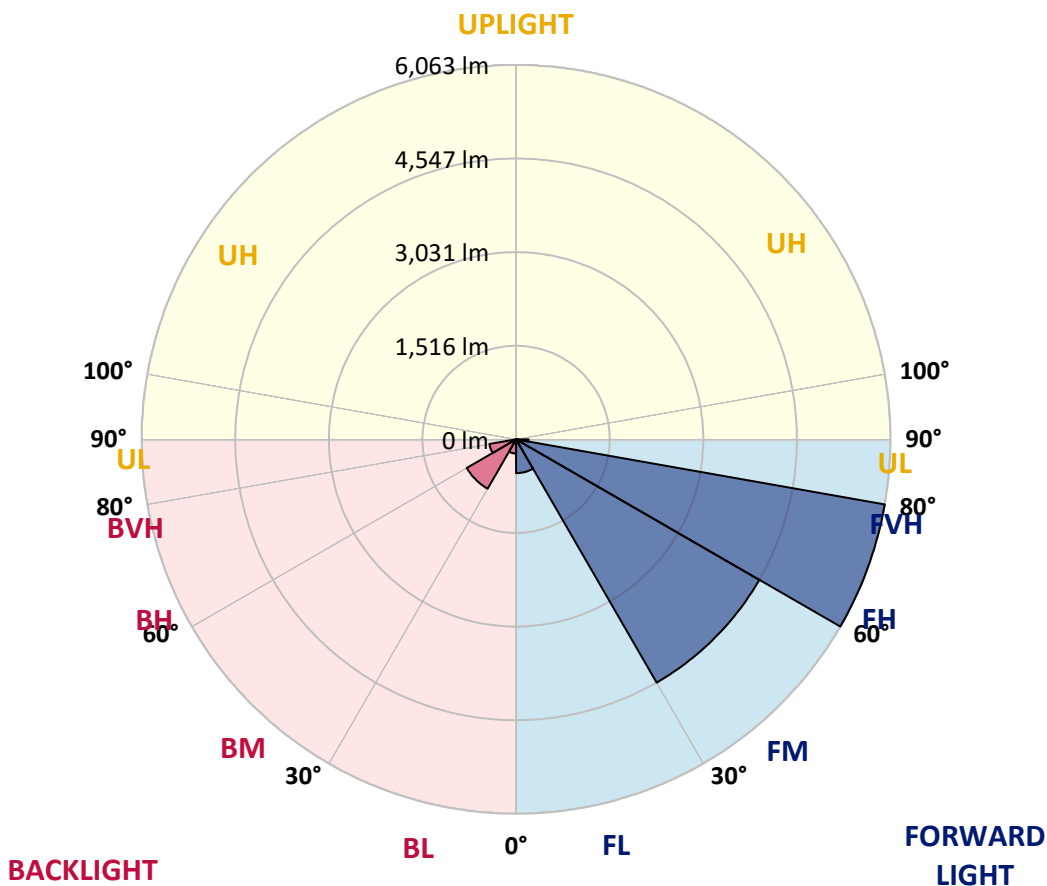
CATALOG NUMBER: GWS-SA6B-735-U-SLR-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.5	4.2			
FM (30°-60°)	4548.6	35.1			
FH (60°-80°)	6062.6	46.8			G3/7500
FVH (80°-90°)	201.6	1.6			G2/225
BL (0°-30°)	229.4	1.8	B1/500		
BM (30°-60°)	922.2	7.1	B1/1000		
BH (60°-80°)	438.2	3.4	B1/500		G1/500
BVH (80°-90°)	9.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6
2.5°	687.1	690.1	693.1	703.6	711.0	717.0	718.5	714.0	703.6	693.1	678.1
5°	666.1	669.1	679.6	708.1	736.5	758.9	766.4	761.9	736.5	703.6	669.1
7.5°	664.6	670.6	696.1	756.0	817.3	863.7	875.7	865.2	817.3	751.5	681.1
10°	718.5	729.0	766.4	874.2	986.5	1068.8	1101.7	1056.8	980.5	860.7	745.5
12.5°	859.2	877.2	949.1	1106.2	1279.9	1389.2	1434.1	1378.7	1258.9	1085.3	902.7
15°	1080.8	1107.7	1215.5	1450.5	1655.6	1752.9	1767.9	1736.4	1597.2	1405.6	1160.1
17.5°	1393.7	1432.6	1600.2	1839.7	1987.9	2022.4	2017.9	1984.9	1883.1	1751.4	1519.4
20°	1767.9	1814.3	1979.0	2176.5	2191.5	2151.1	2128.6	2109.2	2074.8	2052.3	1871.2
22.5°	2145.1	2202.0	2374.1	2423.5	2288.8	2172.1	2116.7	2131.6	2182.5	2293.3	2220.0
25°	2520.8	2574.7	2736.4	2603.2	2333.7	2139.1	2068.8	2104.7	2225.9	2465.5	2559.8
27.5°	2959.4	2999.9	3095.7	2725.9	2341.2	2112.2	2043.3	2098.7	2246.9	2573.2	2932.5
30°	3416.0	3440.0	3393.6	2758.9	2315.8	2071.8	2017.9	2098.7	2282.8	2645.1	3212.4
32.5°	3751.3	3755.8	3604.6	2761.9	2302.3	2038.8	1993.9	2089.7	2317.3	2705.0	3483.4
35°	4097.1	4074.7	3806.7	2806.8	2338.2	2050.8	2011.9	2115.2	2371.2	2775.3	3721.4
37.5°	4447.4	4407.0	4032.8	2880.1	2431.0	2181.0	2157.1	2245.4	2458.0	2872.6	3983.4
40°	4806.7	4751.3	4267.8	2990.9	2637.6	2624.1	2706.5	2696.0	2696.0	2996.9	4252.8
42.5°	5245.3	5180.9	4615.1	3303.7	3119.6	3420.5	3645.0	3505.8	3248.4	3282.8	4603.1
45°	5824.6	5769.2	5216.8	3902.5	3875.6	4567.2	4869.5	4594.1	3953.4	3942.9	5188.4
47.5°	6751.2	6740.7	6176.4	4597.1	4800.7	6026.7	6610.5	6080.6	4757.3	4642.0	6296.1
50°	8053.5	8022.1	7372.4	5411.4	5900.9	7835.0	8876.9	7993.7	5728.8	5457.8	7779.6
52.5°	9520.5	9553.5	9047.5	6300.6	7070.0	9846.9	11297.4	10185.2	6784.1	6495.2	9646.3
55°	10902.2	11090.8	10957.6	7341.0	8212.2	12068.3	13956.0	12589.3	8091.0	7852.9	11739.0
57.5°	11983.0	12514.4	13448.5	8852.9	9555.0	14667.0	16924.4	15195.4	9616.3	10057.9	14587.7
60°	12042.9	12746.4	14915.5	12015.9	11282.4	16896.0	19888.3	17741.7	12014.4	13801.8	16819.6
62.5°	11140.2	11894.7	13960.5	13453.0	13164.1	18792.6	21409.2	19597.9	14373.6	15994.8	16158.0
65°	10107.3	10869.3	12894.6	11822.8	12945.5	18711.7	21023.0	19641.3	14587.7	14503.8	14973.9
67.5°	8546.0	9230.1	11063.9	10465.1	11932.1	17809.1	19238.7	18403.4	13439.5	13565.3	13774.8
70°	6237.7	6896.4	8598.4	8628.4	10420.2	16181.9	16530.7	16415.4	12376.7	12509.9	11911.1
72.5°	4505.8	5061.2	6529.6	7076.0	8318.5	13569.8	13328.7	13773.3	10619.3	11141.7	9566.9
75°	3239.4	3655.5	4790.2	6155.4	6594.0	10077.4	9541.5	10667.2	8520.6	9593.9	7192.8
77.5°	1314.3	1461.0	1884.6	4146.5	4333.6	6779.6	5841.1	7748.2	6074.6	6303.6	3486.4
80°	53.9	59.9	77.8	2140.6	2971.4	3814.2	3125.6	4142.0	4011.8	2538.8	823.3
82.5°	6.0	6.0	13.5	616.7	1300.8	2104.7	1473.0	2386.1	2031.3	1076.3	374.2
85°	1.5	1.5	3.0	70.4	305.4	336.8	199.1	732.0	944.6	440.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	13.5	15.0	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°	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6
2.5°	678.1	670.6	661.6	652.7	648.2	636.2	631.7	628.7	625.7	627.2	627.2
5°	655.7	639.2	619.7	600.3	589.8	577.8	571.8	568.8	570.3	576.3	576.3
7.5°	652.7	621.2	579.3	553.9	541.9	532.9	526.9	523.9	525.4	532.9	535.9
10°	702.1	646.7	571.8	528.4	514.9	506.0	500.0	495.5	492.5	498.5	500.0
12.5°	808.3	732.0	607.8	525.4	501.5	489.5	485.0	476.0	471.5	474.5	476.0
15°	1028.4	896.7	679.6	537.4	489.5	476.0	468.5	461.1	453.6	452.1	453.6
17.5°	1315.8	1127.2	788.9	565.8	480.5	464.1	453.6	443.1	432.6	431.1	429.6
20°	1672.1	1410.1	941.6	610.8	473.0	453.6	438.6	423.6	410.2	405.7	405.7
22.5°	1996.9	1751.4	1137.7	666.1	462.6	438.6	420.6	402.7	387.7	380.2	378.7
25°	2393.6	2113.7	1372.7	730.5	447.6	419.1	399.7	381.7	366.8	357.8	354.8
27.5°	2793.3	2495.4	1639.1	814.3	429.6	399.7	381.7	365.3	348.8	338.3	335.3
30°	3181.0	2907.1	1938.5	919.1	416.1	380.2	365.3	348.8	333.8	317.4	312.9
32.5°	3597.1	3327.7	2273.9	1035.9	405.7	366.8	350.3	335.3	315.9	300.9	293.4
35°	3998.3	3761.8	2643.6	1149.6	395.2	354.8	336.8	321.8	300.9	284.4	273.9
37.5°	4402.5	4203.4	3029.8	1218.5	380.2	338.3	321.8	309.9	285.9	266.5	254.5
40°	4830.6	4660.0	3447.5	1190.1	366.8	320.3	311.4	297.9	270.9	248.5	233.5
42.5°	5300.7	5095.6	3872.6	1080.8	354.8	305.4	296.4	282.9	257.5	230.5	211.1
45°	5892.0	5573.1	4221.4	916.1	360.8	290.4	272.4	269.4	245.5	211.1	187.1
47.5°	6908.4	6306.6	4492.3	809.8	401.2	273.9	253.0	260.5	235.0	191.6	164.7
50°	8463.7	7522.1	4745.3	802.4	462.6	266.5	235.0	254.5	224.5	172.1	145.2
52.5°	9945.7	8757.1	4907.0	868.2	516.4	285.9	217.1	247.0	217.1	158.7	131.7
55°	11363.3	9469.6	4618.1	916.1	567.3	344.3	203.6	235.0	208.1	151.2	127.2
57.5°	12891.6	9787.0	3636.1	1013.4	603.3	393.7	206.6	217.1	196.1	146.7	125.7
60°	13348.2	9381.3	2194.5	1140.7	583.8	408.7	229.0	193.1	179.6	137.7	121.3
62.5°	12638.7	8418.8	1294.9	1038.9	567.3	386.2	262.0	178.1	163.2	125.7	112.3
65°	11577.3	7112.0	844.3	877.2	601.8	344.3	278.4	170.7	148.2	113.8	98.8
67.5°	10364.8	5728.8	591.3	517.9	555.4	309.9	235.0	169.2	133.2	95.8	80.8
70°	8730.2	4290.2	416.1	342.8	462.6	275.4	182.6	164.7	116.8	77.8	62.9
72.5°	6745.2	2685.5	309.9	221.5	329.3	224.5	145.2	139.2	94.3	64.4	47.9
75°	4974.3	1531.4	218.6	160.2	217.1	170.7	107.8	98.8	80.8	61.4	43.4
77.5°	2597.2	766.4	136.2	122.7	124.2	106.3	77.8	71.9	74.8	61.4	40.4
80°	498.5	152.7	82.3	89.8	67.4	67.4	56.9	59.9	65.9	49.4	34.4
82.5°	208.1	32.9	44.9	50.9	41.9	46.4	46.4	47.9	46.4	35.9	25.4
85°	0.0	0.0	19.5	21.0	28.4	28.4	24.0	24.0	24.0	21.0	15.0
87.5°	0.0	0.0	0.0	0.0	1.5	4.5	9.0	10.5	12.0	9.0	6.0
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°	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6
2.5°	625.7	622.7	627.2	630.2	633.2	633.2	630.2	627.2	622.7	627.2	622.7
5°	577.8	582.3	589.8	592.8	595.8	589.8	586.8	577.8	570.3	571.8	568.8
7.5°	540.4	544.9	553.9	559.9	559.9	556.9	547.9	538.9	526.9	526.9	525.4
10°	506.0	512.0	522.4	529.9	532.9	529.9	520.9	509.0	498.5	498.5	494.0
12.5°	477.5	485.0	497.0	507.5	510.5	507.5	498.5	486.5	474.5	474.5	471.5
15°	453.6	462.6	476.0	488.0	492.5	488.0	477.5	462.6	450.6	452.1	447.6
17.5°	431.1	438.6	456.6	470.0	474.5	470.0	456.6	437.1	425.1	428.1	425.1
20°	405.7	414.7	432.6	447.6	452.1	447.6	432.6	411.7	399.7	399.7	401.2
22.5°	378.7	387.7	405.7	416.1	422.1	417.6	402.7	383.2	371.2	371.2	372.7
25°	354.8	359.3	372.7	383.2	384.7	380.2	368.2	353.3	344.3	348.8	350.3
27.5°	332.3	332.3	338.3	344.3	342.8	338.3	333.8	321.8	320.3	324.8	329.3
30°	308.4	300.9	297.9	293.4	291.9	290.4	294.9	294.9	297.9	303.9	308.4
32.5°	287.4	272.4	259.0	245.5	238.0	244.0	256.0	266.5	276.9	285.9	290.4
35°	263.5	239.5	217.1	199.1	187.1	196.1	215.6	235.0	253.0	265.0	272.4
37.5°	239.5	205.1	178.1	155.7	146.7	154.2	175.1	202.1	229.0	244.0	254.5
40°	214.1	170.7	139.2	121.3	112.3	119.8	140.7	167.7	203.6	223.0	236.5
42.5°	188.6	140.7	112.3	94.3	89.8	94.3	110.8	137.7	176.6	200.6	218.6
45°	163.2	116.8	89.8	76.3	71.9	76.3	89.8	112.3	151.2	178.1	199.1
47.5°	140.7	98.8	74.8	62.9	59.9	64.4	74.8	94.3	127.2	154.2	178.1
50°	122.7	86.8	64.4	53.9	50.9	55.4	64.4	79.3	107.8	131.7	157.2
52.5°	110.8	80.8	56.9	46.4	44.9	47.9	55.4	67.4	91.3	112.3	136.2
55°	107.8	80.8	52.4	41.9	40.4	43.4	49.4	58.4	79.3	97.3	118.3
57.5°	110.8	86.8	49.4	35.9	34.4	37.4	43.4	50.9	68.9	83.8	103.3
60°	110.8	88.3	43.4	28.4	26.9	29.9	35.9	44.9	61.4	73.4	89.8
62.5°	100.3	80.8	35.9	22.5	19.5	22.5	29.9	37.4	53.9	65.9	79.3
65°	86.8	68.9	29.9	16.5	13.5	16.5	24.0	31.4	46.4	56.9	71.9
67.5°	70.4	52.4	22.5	12.0	9.0	12.0	18.0	25.4	38.9	49.4	64.4
70°	52.4	37.4	18.0	10.5	9.0	10.5	16.5	24.0	34.4	44.9	59.9
72.5°	38.9	25.4	15.0	10.5	7.5	10.5	15.0	22.5	32.9	43.4	56.9
75°	32.9	21.0	13.5	9.0	7.5	9.0	13.5	21.0	29.9	40.4	53.9
77.5°	31.4	19.5	12.0	7.5	6.0	7.5	12.0	18.0	26.9	37.4	52.4
80°	26.9	16.5	10.5	6.0	4.5	6.0	10.5	15.0	21.0	28.4	40.4
82.5°	21.0	13.5	7.5	3.0	1.5	3.0	7.5	9.0	13.5	16.5	24.0
85°	13.5	7.5	3.0	0.0	0.0	0.0	3.0	6.0	6.0	7.5	12.0
87.5°	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5
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-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6	673.6
2.5°	631.7	633.2	636.2	640.7	651.2	660.2	669.1	681.1	687.1	687.1
5°	571.8	573.3	574.8	580.8	595.8	607.8	627.2	651.2	663.1	666.1
7.5°	525.4	528.4	531.4	535.9	550.9	567.3	592.8	637.7	660.2	664.6
10°	498.5	503.0	509.0	517.9	531.4	549.4	592.8	673.6	711.0	718.5
12.5°	477.5	485.0	491.0	501.5	517.9	546.4	633.2	775.4	841.3	859.2
15°	456.6	465.5	474.5	485.0	503.0	556.9	711.0	958.0	1067.3	1080.8
17.5°	435.6	446.1	458.1	470.0	492.5	582.3	833.8	1211.0	1363.7	1393.7
20°	411.7	425.1	441.6	456.6	482.0	622.7	1004.4	1511.9	1703.5	1767.9
22.5°	386.2	402.7	422.1	441.6	470.0	672.1	1211.0	1835.2	2103.2	2145.1
25°	365.3	381.7	399.7	419.1	450.6	732.0	1461.0	2236.4	2480.4	2520.8
27.5°	345.8	362.3	378.7	396.7	431.1	809.8	1761.9	2663.1	2917.5	2959.4
30°	324.8	344.3	360.8	378.7	413.2	905.6	2109.2	3136.1	3377.1	3416.0
32.5°	306.9	326.3	342.8	360.8	399.7	1010.4	2474.4	3555.2	3751.3	3751.3
35°	291.9	312.9	324.8	348.8	389.2	1077.8	2820.2	3954.9	4103.1	4097.1
37.5°	275.4	300.9	309.9	326.3	375.7	1085.3	3145.1	4377.1	4486.3	4447.4
40°	259.0	285.9	299.4	308.4	360.8	1023.9	3501.3	4764.8	4857.6	4806.7
42.5°	244.0	265.0	284.4	294.9	351.8	916.1	3787.3	5179.4	5290.2	5245.3
45°	229.0	247.0	259.0	278.4	357.8	841.3	4032.8	5662.9	5857.5	5824.6
47.5°	214.1	229.0	236.5	266.5	398.2	806.9	4182.4	6411.4	6778.1	6751.2
50°	197.6	215.6	215.6	263.5	458.1	818.8	4312.7	7495.2	8062.5	8053.5
52.5°	181.1	200.6	197.6	285.9	504.5	874.2	4460.9	8451.7	9438.2	9520.5
55°	164.7	182.6	185.6	330.8	531.4	922.1	3887.6	8854.4	10613.3	10902.2
57.5°	146.7	157.2	193.1	365.3	522.4	1061.3	2663.1	8927.7	11363.3	11983.0
60°	127.2	136.2	218.6	357.8	494.0	980.5	1676.6	8269.1	11257.0	12042.9
62.5°	110.8	125.7	230.5	315.9	503.0	850.3	1068.8	7047.6	10243.6	11140.2
65°	97.3	121.3	209.6	285.9	509.0	576.3	721.5	5733.3	9254.1	10107.3
67.5°	86.8	134.7	172.1	254.5	437.1	405.7	495.5	4454.9	7781.1	8546.0
70°	79.3	137.7	140.7	218.6	338.3	260.5	326.3	2998.4	5363.5	6237.7
72.5°	71.9	101.8	106.3	175.1	218.6	158.7	211.1	1715.5	3910.0	4505.8
75°	68.9	68.9	73.4	113.8	121.3	115.3	136.2	1023.9	2803.8	3239.4
77.5°	64.4	52.4	46.4	73.4	65.9	82.3	80.8	455.1	1215.5	1314.3
80°	50.9	37.4	31.4	46.4	44.9	55.4	47.9	37.4	55.4	53.9
82.5°	31.4	24.0	22.5	28.4	25.4	28.4	22.5	6.0	6.0	6.0
85°	15.0	13.5	12.0	12.0	13.5	12.0	9.0	3.0	1.5	1.5
87.5°	7.5	7.5	6.0	4.5	6.0	6.0	4.5	1.5	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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