

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: P641785

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641785  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

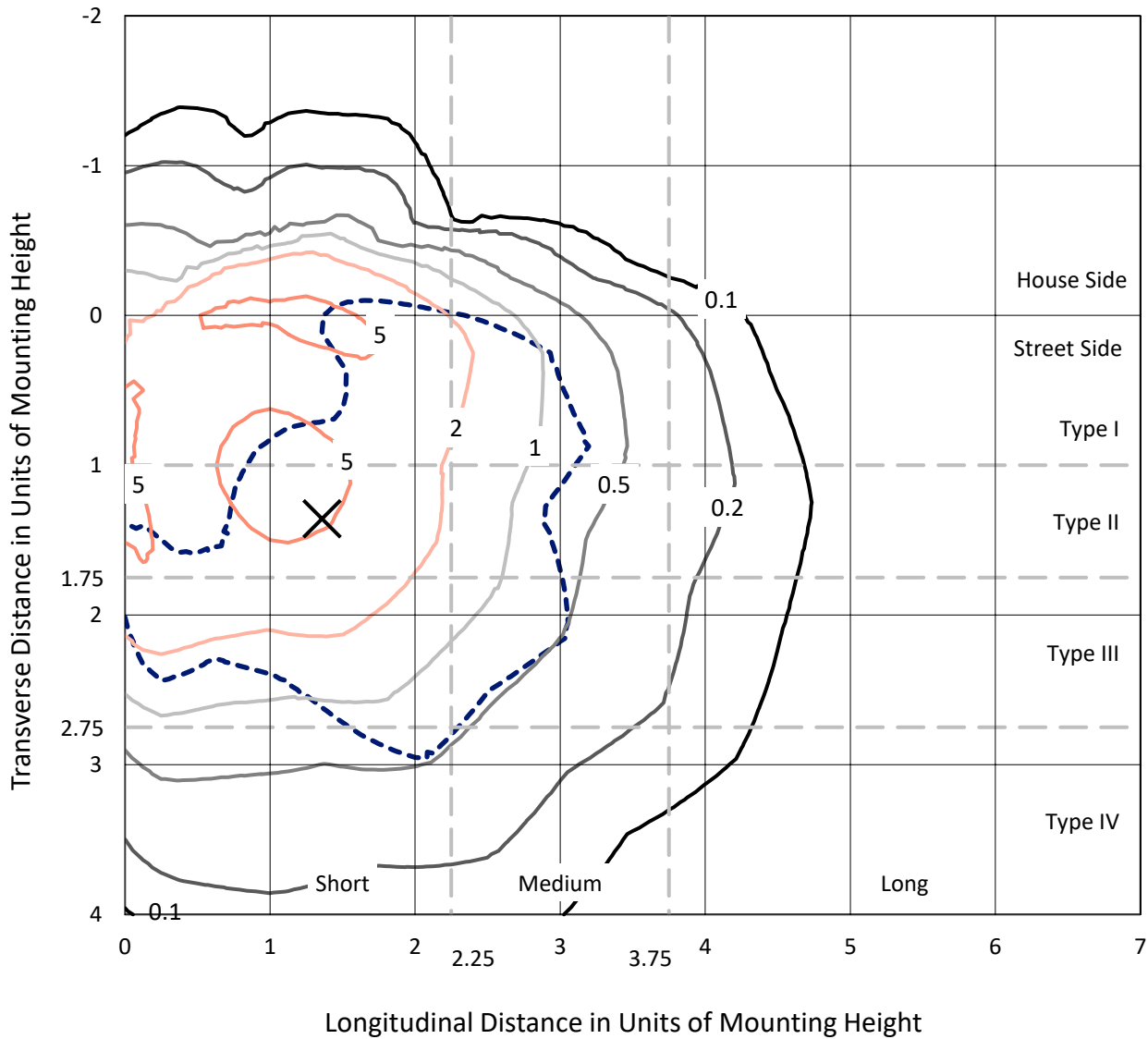
Lumens per Lamp: N/A  
Luminaire Lumens: 13440.7 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

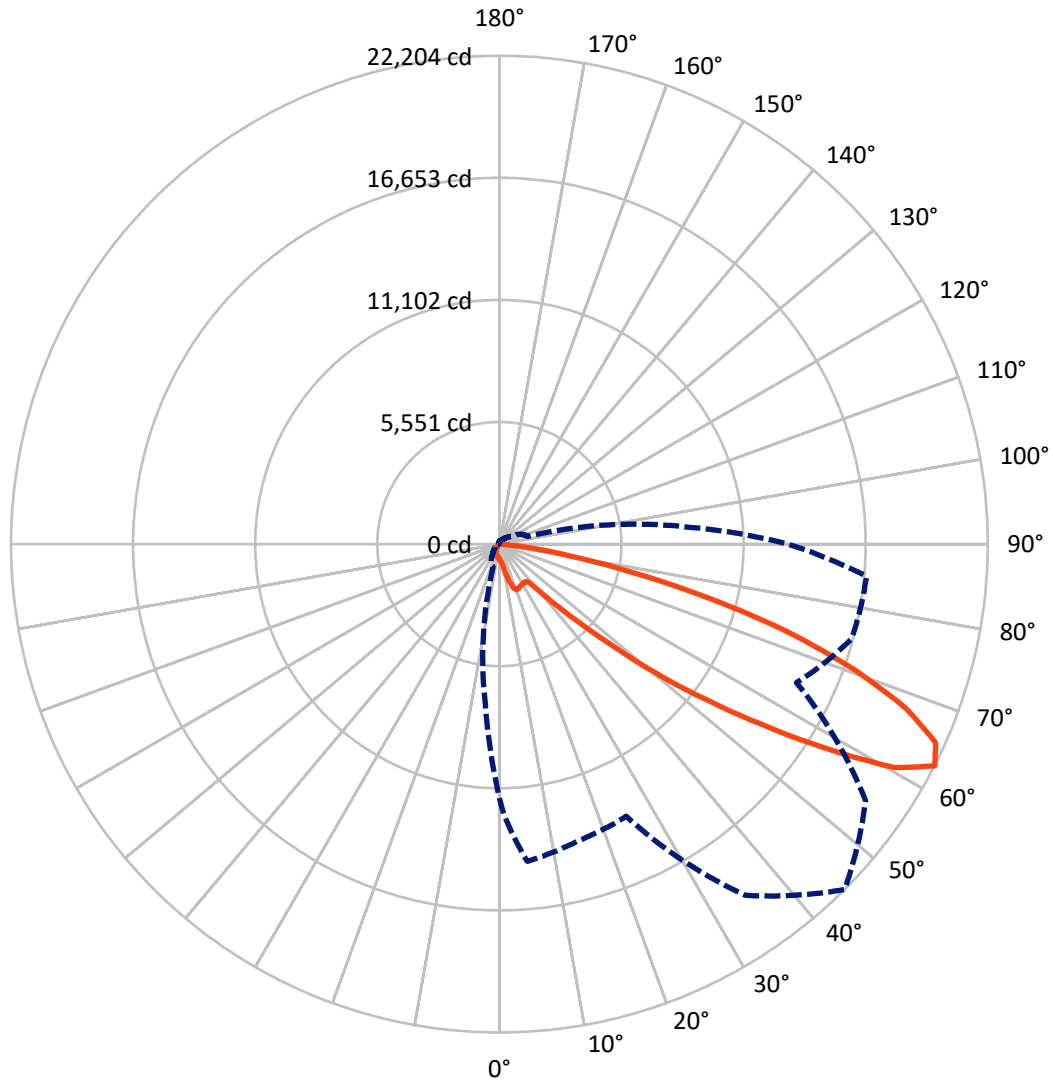
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 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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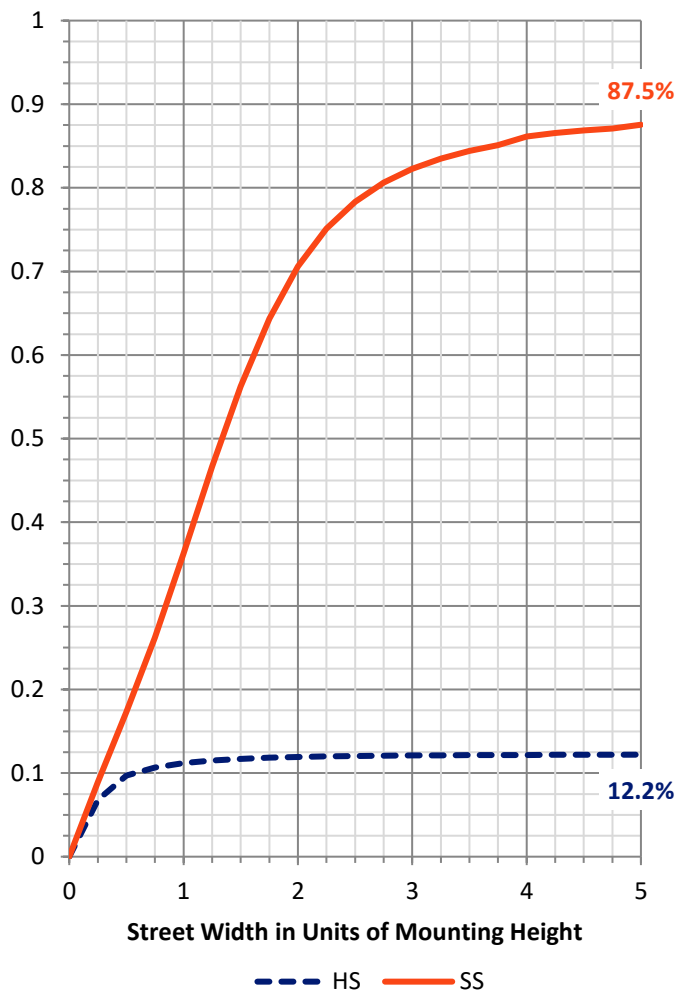
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1658.6	0.0	1658.6
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	11782.1	0.0	11782.1
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	13440.7	0.0	13440.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.0	0.5
10°-20°	234.3	1.7
20°-30°	509.4	3.8
30°-40°	836.1	6.2
40°-50°	1537.0	11.4
50°-60°	3300.8	24.6
60°-70°	4433.5	33.0
70°-80°	2308.6	17.2
80°-90°	218.9	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°	13440.7	100.0
0°-180°	13440.7	100.0

**Coefficient of Utilization**



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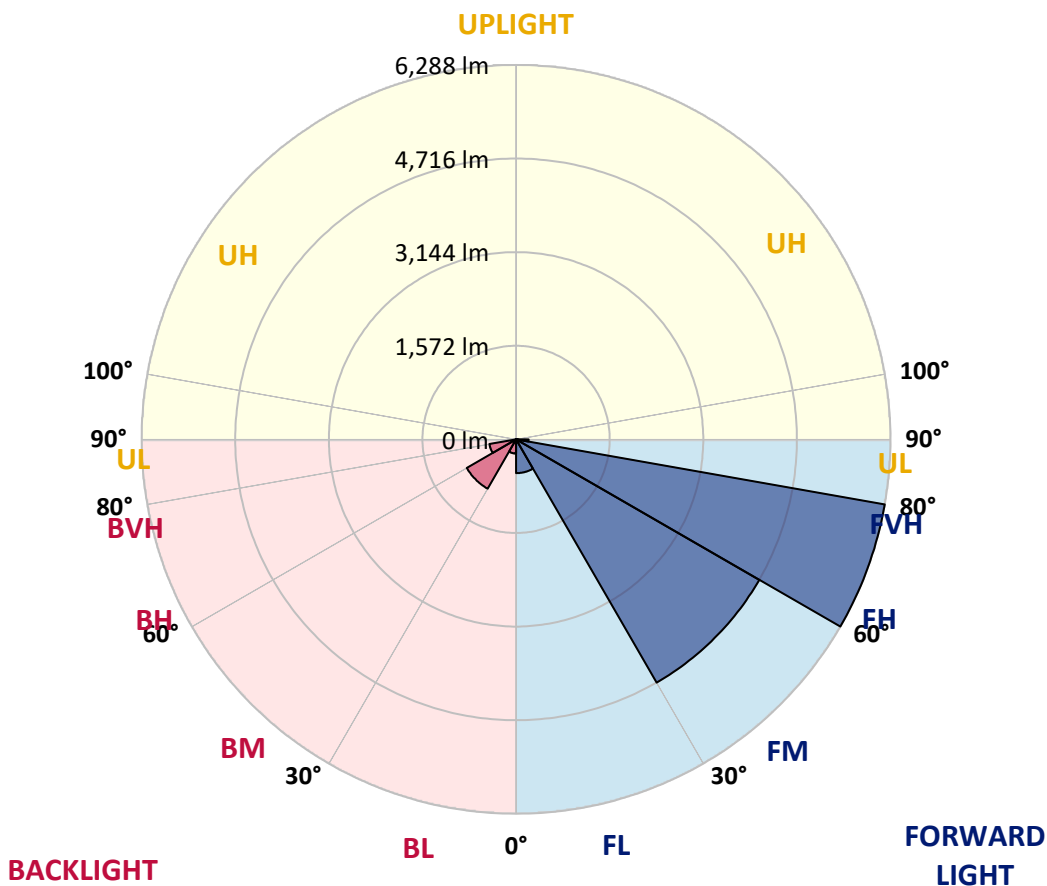
CATALOG NUMBER: GWS-SA6B-750-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.8	4.2			
FM (30°-60°)	4717.5	35.1			
FH (60°-80°)	6287.7	46.8			G3/7500
FVH (80°-90°)	209.1	1.6			G2/225
BL (0°-30°)	237.9	1.8	B1/500		
BM (30°-60°)	956.4	7.1	B1/1000		
BH (60°-80°)	454.5	3.4	B1/500		G1/500
BVH (80°-90°)	9.8	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°	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6
2.5°	712.6	715.7	718.8	729.7	737.4	743.7	745.2	740.6	729.7	718.8	703.3
5°	690.9	694.0	704.8	734.3	763.8	787.1	794.9	790.2	763.8	729.7	694.0
7.5°	689.3	695.5	721.9	784.0	847.7	895.8	908.2	897.4	847.7	779.4	706.4
10°	745.2	756.1	794.9	906.7	1023.1	1108.5	1142.7	1096.1	1016.9	892.7	773.2
12.5°	891.1	909.8	984.3	1147.3	1327.4	1440.7	1487.3	1429.9	1305.7	1125.6	936.2
15°	1120.9	1148.9	1260.6	1504.4	1717.1	1818.0	1833.5	1800.9	1656.5	1457.8	1203.2
17.5°	1445.4	1485.8	1659.6	1908.0	2061.7	2097.5	2092.8	2058.6	1953.1	1816.5	1575.8
20°	1833.5	1881.7	2052.4	2257.4	2272.9	2231.0	2207.7	2187.5	2151.8	2128.5	1940.7
22.5°	2224.8	2283.8	2462.3	2513.5	2373.8	2252.7	2195.3	2210.8	2263.6	2378.5	2302.4
25°	2614.4	2670.3	2838.0	2699.8	2420.4	2218.6	2145.6	2182.8	2308.6	2557.0	2654.8
27.5°	3069.3	3111.3	3210.6	2827.1	2428.1	2190.6	2119.2	2176.6	2330.3	2668.8	3041.4
30°	3542.9	3567.7	3519.6	2861.3	2401.8	2148.7	2092.8	2176.6	2367.6	2743.3	3331.7
32.5°	3890.6	3895.3	3738.5	2864.4	2387.8	2114.5	2068.0	2167.3	2403.3	2805.4	3612.7
35°	4249.3	4226.0	3948.1	2911.0	2425.0	2127.0	2086.6	2193.7	2459.2	2878.4	3859.6
37.5°	4612.5	4570.6	4182.5	2987.1	2521.3	2262.0	2237.2	2328.8	2549.2	2979.3	4131.3
40°	4985.1	4927.7	4426.2	3101.9	2735.5	2721.6	2807.0	2796.1	2796.1	3108.1	4410.7
42.5°	5440.0	5373.3	4786.4	3426.4	3235.5	3547.5	3780.4	3636.0	3369.0	3404.7	4774.0
45°	6040.9	5983.4	5410.5	4047.4	4019.5	4736.7	5050.4	4764.7	4100.2	4089.3	5381.0
47.5°	7001.9	6991.0	6405.7	4767.8	4978.9	6250.5	6855.9	6306.3	4933.9	4814.4	6529.9
50°	8352.6	8320.0	7646.2	5612.4	6120.0	8125.9	9206.5	8290.5	5941.5	5660.5	8068.5
52.5°	9874.0	9908.2	9383.4	6534.6	7332.6	10212.5	11716.9	10563.4	7036.0	6736.4	10004.5
55°	11307.0	11502.6	11364.5	7613.6	8517.1	12516.4	14474.2	13056.7	8391.4	8144.5	12174.9
57.5°	12427.9	12979.1	13947.9	9181.6	9909.8	15211.6	17552.8	15759.7	9973.4	10431.4	15129.3
60°	12490.0	13219.7	15469.3	12462.1	11701.4	17523.3	20626.8	18400.5	12460.5	14314.3	17444.1
62.5°	11553.9	12336.3	14478.8	13952.5	13652.9	19490.4	22204.2	20325.6	14907.3	16588.7	16757.9
65°	10482.6	11272.9	13373.4	12261.8	13426.2	19406.5	21803.6	20370.6	15129.3	15042.4	15529.9
67.5°	8863.4	9572.9	11474.7	10853.7	12375.2	18470.4	19953.0	19086.7	13938.5	14069.0	14286.3
70°	6469.4	7152.5	8917.7	8948.7	10807.1	16782.8	17144.5	17025.0	12836.3	12974.4	12353.4
72.5°	4673.1	5249.1	6772.1	7338.8	8627.4	14073.6	13823.7	14284.8	11013.6	11555.4	9922.2
75°	3359.7	3791.3	4968.1	6384.0	6838.9	10451.6	9895.8	11063.3	8837.0	9950.1	7459.9
77.5°	1363.1	1515.3	1954.6	4300.5	4494.6	7031.4	6057.9	8035.9	6300.1	6537.7	3615.8
80°	55.9	62.1	80.7	2220.1	3081.8	3955.8	3241.7	4295.8	4160.8	2633.1	853.9
82.5°	6.2	6.2	14.0	639.6	1349.1	2182.8	1527.7	2474.7	2106.8	1116.3	388.1
85°	1.6	1.6	3.1	73.0	316.7	349.3	206.5	759.2	979.6	456.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	14.0	15.5	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°	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6
2.5°	703.3	695.5	686.2	676.9	672.2	659.8	655.2	652.1	649.0	650.5	650.5
5°	680.0	662.9	642.7	622.6	611.7	599.3	593.1	590.0	591.5	597.7	597.7
7.5°	676.9	644.3	600.8	574.4	562.0	552.7	546.5	543.4	544.9	552.7	555.8
10°	728.1	670.7	593.1	548.0	534.1	524.8	518.5	513.9	510.8	517.0	518.5
12.5°	838.4	759.2	630.3	544.9	520.1	507.7	503.0	493.7	489.0	492.1	493.7
15°	1066.6	930.0	704.8	557.4	507.7	493.7	485.9	478.2	470.4	468.9	470.4
17.5°	1364.7	1169.0	818.2	586.9	498.4	481.3	470.4	459.5	448.7	447.1	445.6
20°	1734.2	1462.5	976.5	633.4	490.6	470.4	454.9	439.4	425.4	420.7	420.7
22.5°	2071.1	1816.5	1179.9	690.9	479.7	454.9	436.3	417.6	402.1	394.3	392.8
25°	2482.5	2192.2	1423.7	757.6	464.2	434.7	414.5	395.9	380.4	371.1	367.9
27.5°	2897.0	2588.1	1700.0	844.6	445.6	414.5	395.9	378.8	361.7	350.9	347.8
30°	3299.1	3015.0	2010.5	953.2	431.6	394.3	378.8	361.7	346.2	329.1	324.5
32.5°	3730.7	3451.3	2358.3	1074.3	420.7	380.4	363.3	347.8	327.6	312.1	304.3
35°	4146.8	3901.5	2741.8	1192.3	409.9	367.9	349.3	333.8	312.1	295.0	284.1
37.5°	4566.0	4359.5	3142.3	1263.8	394.3	350.9	333.8	321.4	296.5	276.3	263.9
40°	5010.0	4833.0	3575.5	1234.3	380.4	332.2	322.9	309.0	281.0	257.7	242.2
42.5°	5497.5	5284.8	4016.4	1120.9	367.9	316.7	307.4	293.4	267.0	239.1	218.9
45°	6110.7	5780.0	4378.1	950.1	374.2	301.2	282.6	279.5	254.6	218.9	194.1
47.5°	7164.9	6540.8	4659.1	839.9	416.1	284.1	262.4	270.1	243.7	198.7	170.8
50°	8778.0	7801.4	4921.5	832.2	479.7	276.3	243.7	263.9	232.9	178.5	150.6
52.5°	10315.0	9082.3	5089.2	900.5	535.6	296.5	225.1	256.2	225.1	164.6	136.6
55°	11785.2	9821.3	4789.5	950.1	588.4	357.1	211.1	243.7	215.8	156.8	132.0
57.5°	13370.3	10150.4	3771.1	1051.1	625.7	408.3	214.2	225.1	203.4	152.1	130.4
60°	13843.8	9729.7	2276.0	1183.0	605.5	423.8	237.5	200.3	186.3	142.8	125.8
62.5°	13107.9	8731.4	1342.9	1077.5	588.4	400.6	271.7	184.8	169.2	130.4	116.4
65°	12007.2	7376.0	875.6	909.8	624.1	357.1	288.8	177.0	153.7	118.0	102.5
67.5°	10749.7	5941.5	613.2	537.2	576.0	321.4	243.7	175.4	138.2	99.4	83.8
70°	9054.3	4449.5	431.6	355.5	479.7	285.7	189.4	170.8	121.1	80.7	65.2
72.5°	6995.7	2785.2	321.4	229.8	341.6	232.9	150.6	144.4	97.8	66.8	49.7
75°	5159.0	1588.2	226.7	166.1	225.1	177.0	111.8	102.5	83.8	63.7	45.0
77.5°	2693.6	794.9	141.3	127.3	128.9	110.2	80.7	74.5	77.6	63.7	41.9
80°	517.0	158.4	85.4	93.2	69.9	69.9	59.0	62.1	68.3	51.2	35.7
82.5°	215.8	34.2	46.6	52.8	43.5	48.1	48.1	49.7	48.1	37.3	26.4
85°	0.0	0.0	20.2	21.7	29.5	29.5	24.8	24.8	24.8	21.7	15.5
87.5°	0.0	0.0	0.0	0.0	1.6	4.7	9.3	10.9	12.4	9.3	6.2
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°	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6
2.5°	649.0	645.8	650.5	653.6	656.7	656.7	653.6	650.5	645.8	650.5	645.8
5°	599.3	603.9	611.7	614.8	617.9	611.7	608.6	599.3	591.5	593.1	590.0
7.5°	560.5	565.1	574.4	580.6	580.6	577.5	568.2	558.9	546.5	546.5	544.9
10°	524.8	531.0	541.8	549.6	552.7	549.6	540.3	527.9	517.0	517.0	512.3
12.5°	495.3	503.0	515.4	526.3	529.4	526.3	517.0	504.6	492.1	492.1	489.0
15°	470.4	479.7	493.7	506.1	510.8	506.1	495.3	479.7	467.3	468.9	464.2
17.5°	447.1	454.9	473.5	487.5	492.1	487.5	473.5	453.3	440.9	444.0	440.9
20°	420.7	430.0	448.7	464.2	468.9	464.2	448.7	426.9	414.5	414.5	416.1
22.5°	392.8	402.1	420.7	431.6	437.8	433.2	417.6	397.4	385.0	385.0	386.6
25°	367.9	372.6	386.6	397.4	399.0	394.3	381.9	366.4	357.1	361.7	363.3
27.5°	344.7	344.7	350.9	357.1	355.5	350.9	346.2	333.8	332.2	336.9	341.6
30°	319.8	312.1	309.0	304.3	302.7	301.2	305.8	305.8	309.0	315.2	319.8
32.5°	298.1	282.6	268.6	254.6	246.9	253.1	265.5	276.3	287.2	296.5	301.2
35°	273.2	248.4	225.1	206.5	194.1	203.4	223.6	243.7	262.4	274.8	282.6
37.5°	248.4	212.7	184.8	161.5	152.1	159.9	181.6	209.6	237.5	253.1	263.9
40°	222.0	177.0	144.4	125.8	116.4	124.2	145.9	173.9	211.1	231.3	245.3
42.5°	195.6	145.9	116.4	97.8	93.2	97.8	114.9	142.8	183.2	208.0	226.7
45°	169.2	121.1	93.2	79.2	74.5	79.2	93.2	116.4	156.8	184.8	206.5
47.5°	145.9	102.5	77.6	65.2	62.1	66.8	77.6	97.8	132.0	159.9	184.8
50°	127.3	90.0	66.8	55.9	52.8	57.4	66.8	82.3	111.8	136.6	163.0
52.5°	114.9	83.8	59.0	48.1	46.6	49.7	57.4	69.9	94.7	116.4	141.3
55°	111.8	83.8	54.3	43.5	41.9	45.0	51.2	60.5	82.3	100.9	122.6
57.5°	114.9	90.0	51.2	37.3	35.7	38.8	45.0	52.8	71.4	86.9	107.1
60°	114.9	91.6	45.0	29.5	27.9	31.1	37.3	46.6	63.7	76.1	93.2
62.5°	104.0	83.8	37.3	23.3	20.2	23.3	31.1	38.8	55.9	68.3	82.3
65°	90.0	71.4	31.1	17.1	14.0	17.1	24.8	32.6	48.1	59.0	74.5
67.5°	73.0	54.3	23.3	12.4	9.3	12.4	18.6	26.4	40.4	51.2	66.8
70°	54.3	38.8	18.6	10.9	9.3	10.9	17.1	24.8	35.7	46.6	62.1
72.5°	40.4	26.4	15.5	10.9	7.8	10.9	15.5	23.3	34.2	45.0	59.0
75°	34.2	21.7	14.0	9.3	7.8	9.3	14.0	21.7	31.1	41.9	55.9
77.5°	32.6	20.2	12.4	7.8	6.2	7.8	12.4	18.6	27.9	38.8	54.3
80°	27.9	17.1	10.9	6.2	4.7	6.2	10.9	15.5	21.7	29.5	41.9
82.5°	21.7	14.0	7.8	3.1	1.6	3.1	7.8	9.3	14.0	17.1	24.8
85°	14.0	7.8	3.1	0.0	0.0	0.0	3.1	6.2	6.2	7.8	12.4
87.5°	6.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	4.7
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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 CATALOG NUMBER: GWS-SA6B-750-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6	698.6
2.5°	655.2	656.7	659.8	664.5	675.3	684.7	694.0	706.4	712.6	712.6
5°	593.1	594.6	596.2	602.4	617.9	630.3	650.5	675.3	687.8	690.9
7.5°	544.9	548.0	551.1	555.8	571.3	588.4	614.8	661.4	684.7	689.3
10°	517.0	521.6	527.9	537.2	551.1	569.8	614.8	698.6	737.4	745.2
12.5°	495.3	503.0	509.2	520.1	537.2	566.7	656.7	804.2	872.5	891.1
15°	473.5	482.8	492.1	503.0	521.6	577.5	737.4	993.6	1106.9	1120.9
17.5°	451.8	462.7	475.1	487.5	510.8	603.9	864.8	1256.0	1414.3	1445.4
20°	426.9	440.9	458.0	473.5	499.9	645.8	1041.7	1568.0	1766.8	1833.5
22.5°	400.6	417.6	437.8	458.0	487.5	697.1	1256.0	1903.4	2181.3	2224.8
25°	378.8	395.9	414.5	434.7	467.3	759.2	1515.3	2319.5	2572.5	2614.4
27.5°	358.6	375.7	392.8	411.4	447.1	839.9	1827.3	2761.9	3025.9	3069.3
30°	336.9	357.1	374.2	392.8	428.5	939.3	2187.5	3252.5	3502.5	3542.9
32.5°	318.3	338.4	355.5	374.2	414.5	1048.0	2566.3	3687.2	3890.6	3890.6
35°	302.7	324.5	336.9	361.7	403.7	1117.8	2925.0	4101.8	4255.5	4249.3
37.5°	285.7	312.1	321.4	338.4	389.7	1125.6	3261.8	4539.6	4652.9	4612.5
40°	268.6	296.5	310.5	319.8	374.2	1061.9	3631.3	4941.7	5037.9	4985.1
42.5°	253.1	274.8	295.0	305.8	364.8	950.1	3927.9	5371.7	5486.6	5440.0
45°	237.5	256.2	268.6	288.8	371.1	872.5	4182.5	5873.2	6075.0	6040.9
47.5°	222.0	237.5	245.3	276.3	413.0	836.8	4337.7	6649.5	7029.8	7001.9
50°	204.9	223.6	223.6	273.2	475.1	849.2	4472.8	7773.5	8361.9	8352.6
52.5°	187.9	208.0	204.9	296.5	523.2	906.7	4626.5	8765.5	9788.7	9874.0
55°	170.8	189.4	192.5	343.1	551.1	956.4	4031.9	9183.2	11007.4	11307.0
57.5°	152.1	163.0	200.3	378.8	541.8	1100.7	2761.9	9259.2	11785.2	12427.9
60°	132.0	141.3	226.7	371.1	512.3	1016.9	1738.8	8576.1	11675.0	12490.0
62.5°	114.9	130.4	239.1	327.6	521.6	881.8	1108.5	7309.3	10623.9	11553.9
65°	100.9	125.8	217.4	296.5	527.9	597.7	748.3	5946.2	9597.7	10482.6
67.5°	90.0	139.7	178.5	263.9	453.3	420.7	513.9	4620.3	8070.0	8863.4
70°	82.3	142.8	145.9	226.7	350.9	270.1	338.4	3109.7	5562.7	6469.4
72.5°	74.5	105.6	110.2	181.6	226.7	164.6	218.9	1779.2	4055.2	4673.1
75°	71.4	71.4	76.1	118.0	125.8	119.5	141.3	1061.9	2907.9	3359.7
77.5°	66.8	54.3	48.1	76.1	68.3	85.4	83.8	472.0	1260.6	1363.1
80°	52.8	38.8	32.6	48.1	46.6	57.4	49.7	38.8	57.4	55.9
82.5°	32.6	24.8	23.3	29.5	26.4	29.5	23.3	6.2	6.2	6.2
85°	15.5	14.0	12.4	12.4	14.0	12.4	9.3	3.1	1.6	1.6
87.5°	7.8	7.8	6.2	4.7	6.2	6.2	4.7	1.6	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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