

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: P641730

Luminaire Tested: GWS-SA6B-740-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641730  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

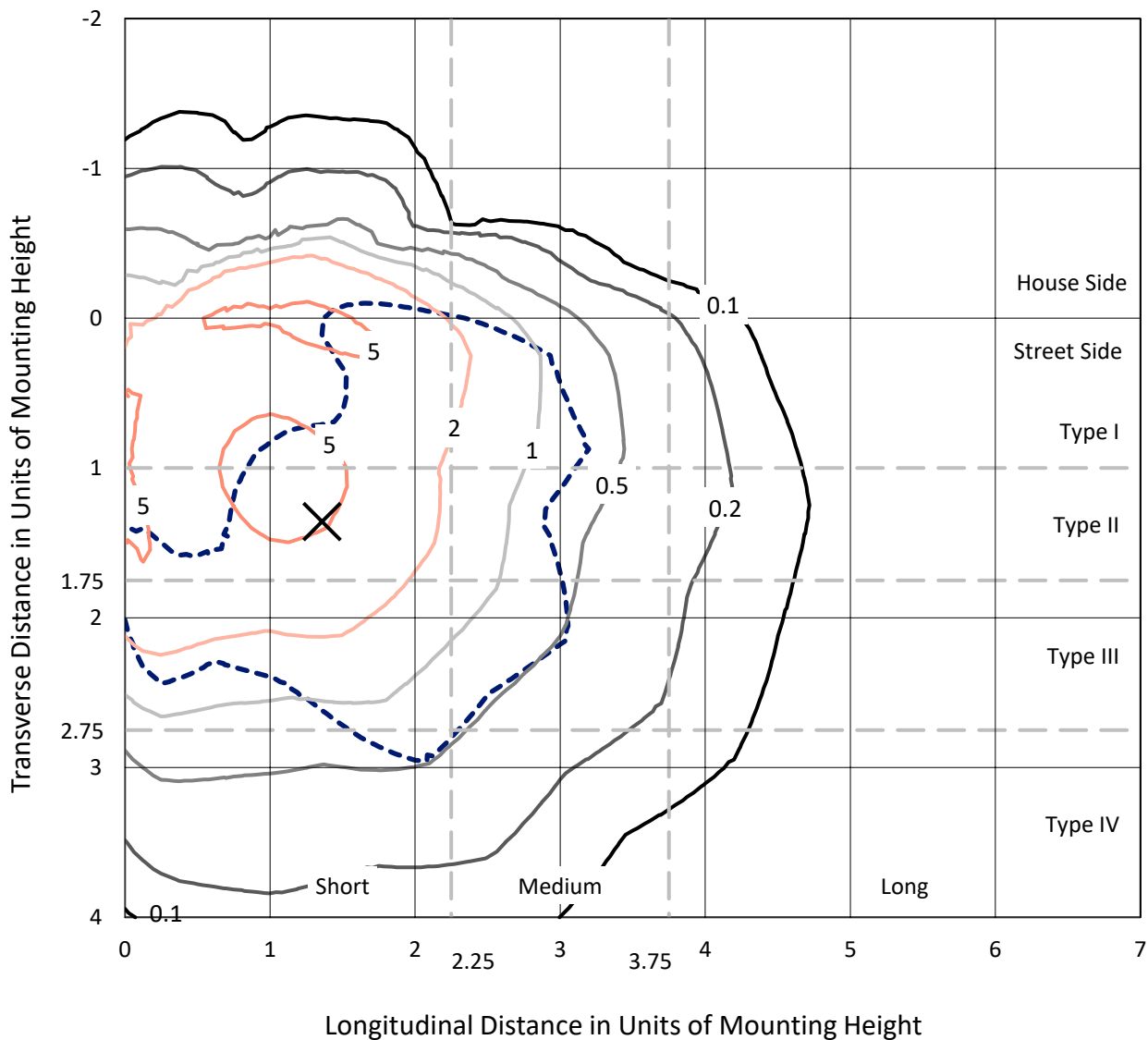
Lumens per Lamp: N/A  
Luminaire Lumens: 13139.6 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

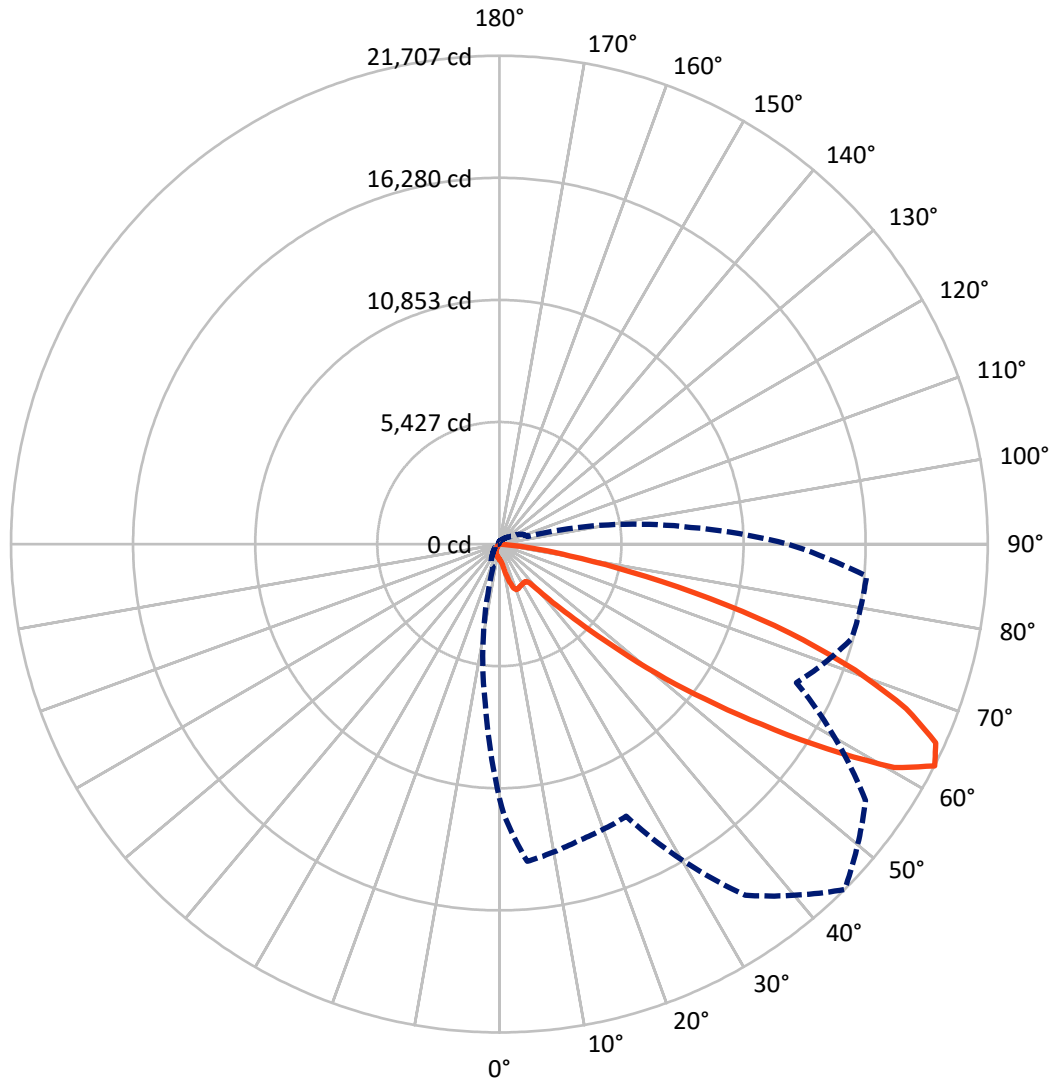
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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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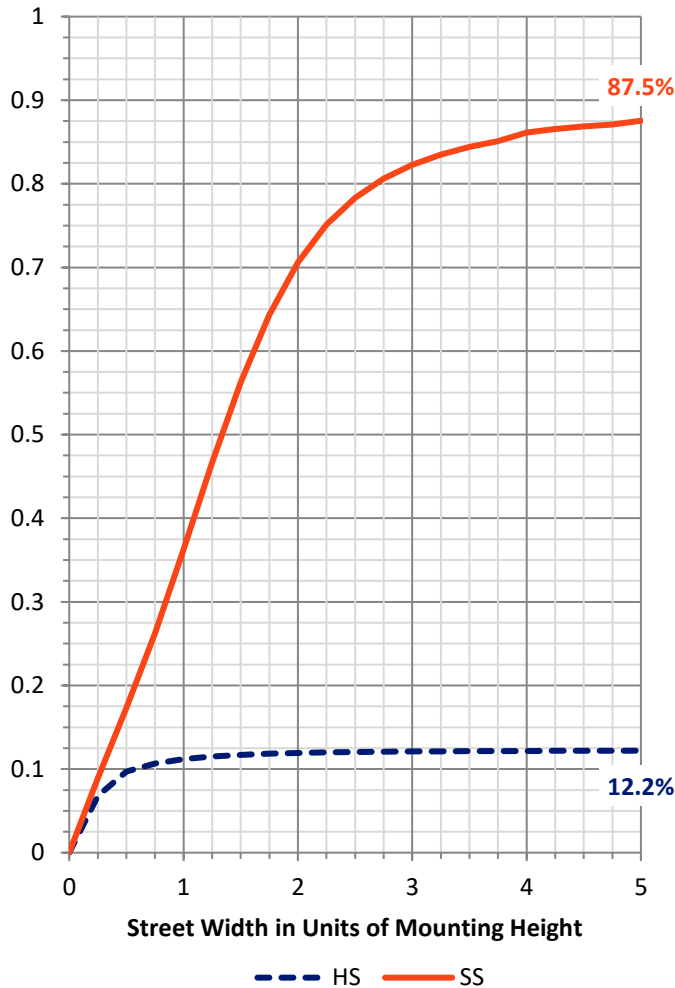
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1621.4	0.0	1621.4
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	11518.2	0.0	11518.2
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	13139.6	0.0	13139.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	0.5
10°-20°	229.1	1.7
20°-30°	498.0	3.8
30°-40°	817.4	6.2
40°-50°	1502.6	11.4
50°-60°	3226.9	24.6
60°-70°	4334.2	33.0
70°-80°	2256.9	17.2
80°-90°	214.0	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°	13139.6	100.0
0°-180°	13139.6	100.0

**Coefficient of Utilization**



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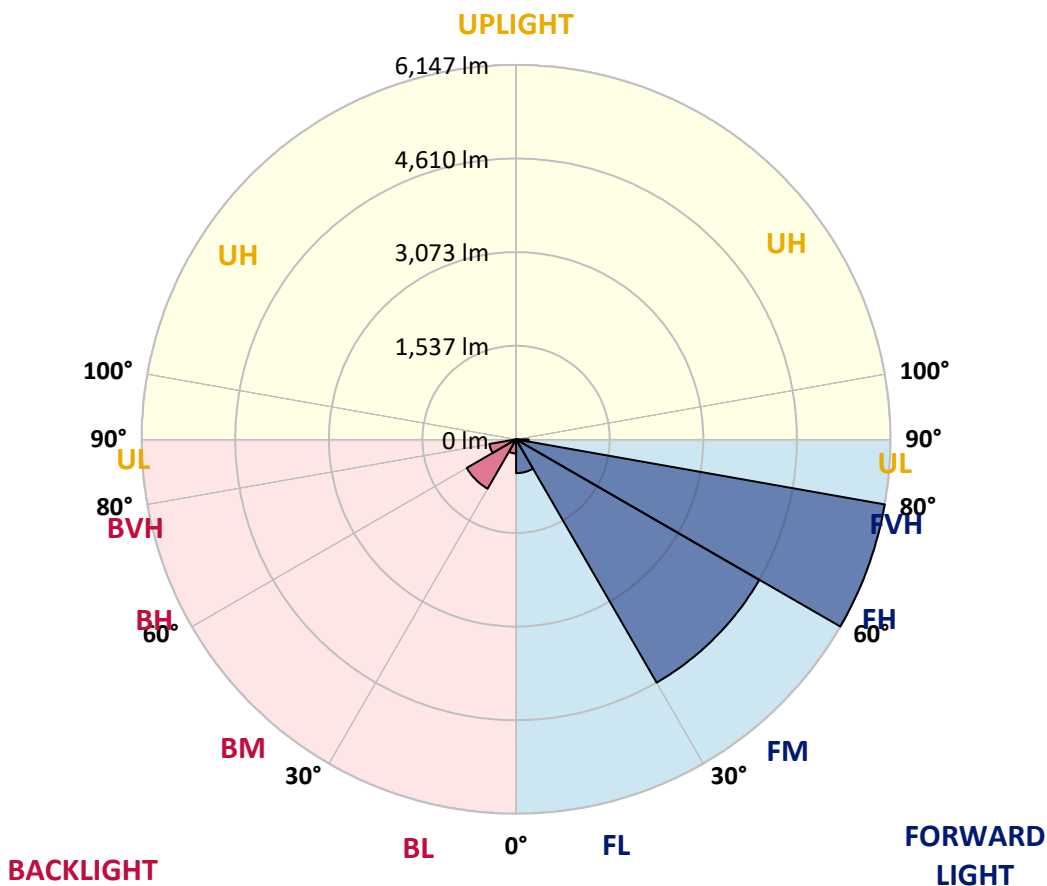
CATALOG NUMBER: GWS-SA6B-740-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.1	4.2			
FM (30°-60°)	4611.8	35.1			
FH (60°-80°)	6146.8	46.8			G3/7500
FVH (80°-90°)	204.5	1.6			G2/225
BL (0°-30°)	232.6	1.8	B1/500		
BM (30°-60°)	935.0	7.1	B1/1000		
BH (60°-80°)	444.3	3.4	B1/500		G1/500
BVH (80°-90°)	9.5	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°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	696.6	699.7	702.7	713.3	720.9	727.0	728.5	724.0	713.3	702.7	687.5
5°	675.4	678.4	689.1	717.9	746.7	769.5	777.1	772.5	746.7	713.3	678.4
7.5°	673.9	679.9	705.8	766.5	828.7	875.7	887.9	877.3	828.7	761.9	690.6
10°	728.5	739.1	777.1	886.4	1000.2	1083.7	1117.1	1071.5	994.1	872.7	755.8
12.5°	871.2	889.4	962.2	1121.6	1297.7	1408.5	1454.0	1397.8	1276.4	1100.4	915.2
15°	1095.8	1123.1	1232.4	1470.7	1678.6	1777.3	1792.5	1760.6	1619.4	1425.2	1176.3
17.5°	1413.0	1452.5	1622.5	1865.3	2015.6	2050.5	2045.9	2012.5	1909.3	1775.8	1540.5
20°	1792.5	1839.5	2006.5	2206.8	2222.0	2181.0	2158.2	2138.5	2103.6	2080.8	1897.2
22.5°	2174.9	2232.6	2407.1	2457.2	2320.6	2202.2	2146.1	2161.3	2212.9	2325.2	2250.8
25°	2555.9	2610.5	2774.4	2639.4	2366.2	2168.9	2097.5	2133.9	2256.9	2499.7	2595.3
27.5°	3000.6	3041.6	3138.7	2763.8	2373.7	2141.5	2071.7	2127.9	2278.1	2609.0	2973.3
30°	3463.5	3487.8	3440.7	2797.2	2347.9	2100.6	2045.9	2127.9	2314.6	2681.9	3257.1
32.5°	3803.5	3808.0	3654.7	2800.2	2334.3	2067.2	2021.6	2118.8	2349.5	2742.6	3531.8
35°	4154.1	4131.3	3859.6	2845.8	2370.7	2079.3	2039.8	2144.6	2404.1	2813.9	3773.1
37.5°	4509.2	4468.2	4088.8	2920.1	2464.8	2211.4	2187.1	2276.6	2492.1	2912.5	4038.7
40°	4873.5	4817.3	4327.1	3032.4	2674.3	2660.6	2744.1	2733.5	2733.5	3038.5	4311.9
42.5°	5318.2	5252.9	4679.2	3349.7	3163.0	3468.0	3695.7	3554.6	3293.5	3328.4	4667.1
45°	5905.5	5849.4	5289.3	3956.8	3929.4	4630.6	4937.2	4658.0	4008.4	3997.7	5260.5
47.5°	6845.0	6834.4	6262.2	4661.0	4867.4	6110.4	6702.4	6165.1	4823.4	4706.5	6383.6
50°	8165.5	8133.6	7474.9	5486.6	5982.9	7943.9	9000.2	8104.7	5808.4	5533.7	7887.7
52.5°	9652.8	9686.2	9173.2	6388.2	7168.3	9983.7	11454.4	10326.7	6878.4	6585.5	9780.3
55°	11053.7	11245.0	11109.9	7443.0	8326.3	12236.0	14149.9	12764.2	8203.4	7962.1	11902.1
57.5°	12149.5	12688.3	13635.4	8975.9	9687.8	14870.8	17159.6	15406.6	9750.0	10197.7	14790.4
60°	12210.2	12923.6	15122.8	12182.9	11439.2	17130.8	20164.7	17988.3	12181.4	13993.6	17053.4
62.5°	11295.0	12060.0	14154.5	13640.0	13347.0	19053.7	21706.8	19870.3	14573.4	16217.1	16382.5
65°	10247.8	11020.3	13073.8	11987.1	13125.4	18971.8	21315.2	19914.3	14790.4	14705.4	15182.0
67.5°	8664.8	9358.4	11217.6	10610.5	12097.9	18056.6	19506.0	18659.1	13626.3	13753.8	13966.3
70°	6324.4	6992.2	8717.9	8748.3	10565.0	16406.8	16760.4	16643.6	12548.7	12683.8	12076.7
72.5°	4568.4	5131.5	6620.4	7174.4	8434.1	13758.3	13514.0	13964.7	10766.9	11296.6	9699.9
75°	3284.4	3706.3	4856.8	6241.0	6685.7	10217.4	9674.1	10815.4	8639.0	9727.2	7292.8
77.5°	1332.6	1481.3	1910.8	4204.1	4393.9	6873.9	5922.2	7855.8	6159.0	6391.2	3534.8
80°	54.6	60.7	78.9	2170.4	3012.7	3867.2	3169.0	4199.6	4067.6	2574.1	834.8
82.5°	6.1	6.1	13.7	625.3	1318.9	2133.9	1493.5	2419.3	2059.6	1091.3	379.4
85°	1.5	1.5	3.0	71.3	309.6	341.5	201.9	742.2	957.7	446.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	13.7	15.2	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°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	687.5	679.9	670.8	661.7	657.2	645.0	640.5	637.5	634.4	635.9	635.9
5°	664.8	648.1	628.3	608.6	598.0	585.8	579.8	576.7	578.3	584.3	584.3
7.5°	661.7	629.9	587.4	561.6	549.4	540.3	534.2	531.2	532.7	540.3	543.4
10°	711.8	655.7	579.8	535.8	522.1	513.0	506.9	502.4	499.3	505.4	506.9
12.5°	819.6	742.2	616.2	532.7	508.4	496.3	491.7	482.6	478.1	481.1	482.6
15°	1042.7	909.1	689.1	544.9	496.3	482.6	475.1	467.5	459.9	458.4	459.9
17.5°	1334.1	1142.9	799.9	573.7	487.2	470.5	459.9	449.3	438.6	437.1	435.6
20°	1695.3	1429.7	954.7	619.2	479.6	459.9	444.7	429.5	415.9	411.3	411.3
22.5°	2024.7	1775.8	1153.5	675.4	469.0	444.7	426.5	408.3	393.1	385.5	384.0
25°	2426.9	2143.1	1391.8	740.7	453.8	425.0	405.2	387.0	371.8	362.7	359.7
27.5°	2832.1	2530.1	1661.9	825.7	435.6	405.2	387.0	370.3	353.6	343.0	340.0
30°	3225.2	2947.5	1965.5	931.9	421.9	385.5	370.3	353.6	338.5	321.8	317.2
32.5°	3647.1	3373.9	2305.5	1050.3	411.3	371.8	355.2	340.0	320.2	305.1	297.5
35°	4053.9	3814.1	2680.3	1165.6	400.7	359.7	341.5	326.3	305.1	288.4	277.7
37.5°	4463.7	4261.8	3071.9	1235.4	385.5	343.0	326.3	314.2	289.9	270.2	258.0
40°	4897.8	4724.7	3495.4	1206.6	371.8	324.8	315.7	302.0	274.7	251.9	236.8
42.5°	5374.3	5166.4	3926.4	1095.8	359.7	309.6	300.5	286.9	261.1	233.7	214.0
45°	5973.8	5650.6	4280.0	928.9	365.8	294.4	276.2	273.2	248.9	214.0	189.7
47.5°	7004.4	6394.2	4554.7	821.1	406.8	277.7	256.5	264.1	238.3	194.3	167.0
50°	8581.3	7626.7	4811.2	813.5	469.0	270.2	238.3	258.0	227.7	174.5	147.2
52.5°	10083.9	8878.8	4975.2	880.3	523.6	289.9	220.1	250.4	220.1	160.9	133.6
55°	11521.2	9601.2	4682.2	928.9	575.2	349.1	206.4	238.3	211.0	153.3	129.0
57.5°	13070.8	9923.0	3686.6	1027.5	611.7	399.2	209.4	220.1	198.8	148.7	127.5
60°	13533.7	9511.7	2225.0	1156.5	591.9	414.3	232.2	195.8	182.1	139.6	122.9
62.5°	12814.3	8535.8	1312.8	1053.3	575.2	391.6	265.6	180.6	165.4	127.5	113.8
65°	11738.2	7210.8	856.0	889.4	610.1	349.1	282.3	173.0	150.3	115.3	100.2
67.5°	10508.8	5808.4	599.5	525.1	563.1	314.2	238.3	171.5	135.1	97.1	82.0
70°	8851.5	4349.9	421.9	347.6	469.0	279.3	185.2	167.0	118.4	78.9	63.7
72.5°	6838.9	2722.8	314.2	224.6	333.9	227.7	147.2	141.2	95.6	65.3	48.6
75°	5043.5	1552.7	221.6	162.4	220.1	173.0	109.3	100.2	82.0	62.2	44.0
77.5°	2633.3	777.1	138.1	124.5	126.0	107.8	78.9	72.9	75.9	62.2	41.0
80°	505.4	154.8	83.5	91.1	68.3	68.3	57.7	60.7	66.8	50.1	34.9
82.5°	211.0	33.4	45.5	51.6	42.5	47.1	47.1	48.6	47.1	36.4	25.8
85°	0.0	0.0	19.7	21.2	28.8	28.8	24.3	24.3	24.3	21.2	15.2
87.5°	0.0	0.0	0.0	0.0	1.5	4.6	9.1	10.6	12.1	9.1	6.1
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°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	634.4	631.4	635.9	639.0	642.0	642.0	639.0	635.9	631.4	635.9	631.4
5°	585.8	590.4	598.0	601.0	604.1	598.0	595.0	585.8	578.3	579.8	576.7
7.5°	547.9	552.5	561.6	567.6	567.6	564.6	555.5	546.4	534.2	534.2	532.7
10°	513.0	519.1	529.7	537.3	540.3	537.3	528.2	516.0	505.4	505.4	500.9
12.5°	484.2	491.7	503.9	514.5	517.6	514.5	505.4	493.3	481.1	481.1	478.1
15°	459.9	469.0	482.6	494.8	499.3	494.8	484.2	469.0	456.8	458.4	453.8
17.5°	437.1	444.7	462.9	476.6	481.1	476.6	462.9	443.2	431.0	434.1	431.0
20°	411.3	420.4	438.6	453.8	458.4	453.8	438.6	417.4	405.2	405.2	406.8
22.5°	384.0	393.1	411.3	421.9	428.0	423.5	408.3	388.5	376.4	376.4	377.9
25°	359.7	364.3	377.9	388.5	390.1	385.5	373.4	358.2	349.1	353.6	355.2
27.5°	336.9	336.9	343.0	349.1	347.6	343.0	338.5	326.3	324.8	329.4	333.9
30°	312.7	305.1	302.0	297.5	296.0	294.4	299.0	299.0	302.0	308.1	312.7
32.5°	291.4	276.2	262.6	248.9	241.3	247.4	259.5	270.2	280.8	289.9	294.4
35°	267.1	242.8	220.1	201.9	189.7	198.8	218.6	238.3	256.5	268.6	276.2
37.5°	242.8	207.9	180.6	157.8	148.7	156.3	177.6	204.9	232.2	247.4	258.0
40°	217.0	173.0	141.2	122.9	113.8	121.4	142.7	170.0	206.4	226.1	239.8
42.5°	191.2	142.7	113.8	95.6	91.1	95.6	112.3	139.6	179.1	203.4	221.6
45°	165.4	118.4	91.1	77.4	72.9	77.4	91.1	113.8	153.3	180.6	201.9
47.5°	142.7	100.2	75.9	63.7	60.7	65.3	75.9	95.6	129.0	156.3	180.6
50°	124.5	88.0	65.3	54.6	51.6	56.2	65.3	80.4	109.3	133.6	159.4
52.5°	112.3	82.0	57.7	47.1	45.5	48.6	56.2	68.3	92.6	113.8	138.1
55°	109.3	82.0	53.1	42.5	41.0	44.0	50.1	59.2	80.4	98.7	119.9
57.5°	112.3	88.0	50.1	36.4	34.9	37.9	44.0	51.6	69.8	85.0	104.7
60°	112.3	89.5	44.0	28.8	27.3	30.4	36.4	45.5	62.2	74.4	91.1
62.5°	101.7	82.0	36.4	22.8	19.7	22.8	30.4	37.9	54.6	66.8	80.4
65°	88.0	69.8	30.4	16.7	13.7	16.7	24.3	31.9	47.1	57.7	72.9
67.5°	71.3	53.1	22.8	12.1	9.1	12.1	18.2	25.8	39.5	50.1	65.3
70°	53.1	37.9	18.2	10.6	9.1	10.6	16.7	24.3	34.9	45.5	60.7
72.5°	39.5	25.8	15.2	10.6	7.6	10.6	15.2	22.8	33.4	44.0	57.7
75°	33.4	21.2	13.7	9.1	7.6	9.1	13.7	21.2	30.4	41.0	54.6
77.5°	31.9	19.7	12.1	7.6	6.1	7.6	12.1	18.2	27.3	37.9	53.1
80°	27.3	16.7	10.6	6.1	4.6	6.1	10.6	15.2	21.2	28.8	41.0
82.5°	21.2	13.7	7.6	3.0	1.5	3.0	7.6	9.1	13.7	16.7	24.3
85°	13.7	7.6	3.0	0.0	0.0	0.0	3.0	6.1	6.1	7.6	12.1
87.5°	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.6
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-740-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0	683.0
2.5°	640.5	642.0	645.0	649.6	660.2	669.3	678.4	690.6	696.6	696.6
5°	579.8	581.3	582.8	588.9	604.1	616.2	635.9	660.2	672.4	675.4
7.5°	532.7	535.8	538.8	543.4	558.5	575.2	601.0	646.6	669.3	673.9
10°	505.4	510.0	516.0	525.1	538.8	557.0	601.0	683.0	720.9	728.5
12.5°	484.2	491.7	497.8	508.4	525.1	554.0	642.0	786.2	853.0	871.2
15°	462.9	472.0	481.1	491.7	510.0	564.6	720.9	971.4	1082.2	1095.8
17.5°	441.7	452.3	464.4	476.6	499.3	590.4	845.4	1227.9	1382.7	1413.0
20°	417.4	431.0	447.7	462.9	488.7	631.4	1018.4	1532.9	1727.2	1792.5
22.5°	391.6	408.3	428.0	447.7	476.6	681.5	1227.9	1860.8	2132.4	2174.9
25°	370.3	387.0	405.2	425.0	456.8	742.2	1481.3	2267.5	2514.9	2555.9
27.5°	350.6	367.3	384.0	402.2	437.1	821.1	1786.4	2700.1	2958.1	3000.6
30°	329.4	349.1	365.8	384.0	418.9	918.2	2138.5	3179.7	3424.0	3463.5
32.5°	311.1	330.9	347.6	365.8	405.2	1024.5	2508.8	3604.6	3803.5	3803.5
35°	296.0	317.2	329.4	353.6	394.6	1092.8	2859.4	4009.9	4160.1	4154.1
37.5°	279.3	305.1	314.2	330.9	381.0	1100.4	3188.8	4437.9	4548.7	4509.2
40°	262.6	289.9	303.5	312.7	365.8	1038.1	3550.0	4831.0	4925.1	4873.5
42.5°	247.4	268.6	288.4	299.0	356.7	928.9	3839.9	5251.4	5363.7	5318.2
45°	232.2	250.4	262.6	282.3	362.7	853.0	4088.8	5741.6	5938.9	5905.5
47.5°	217.0	232.2	239.8	270.2	403.7	818.1	4240.6	6500.5	6872.3	6845.0
50°	200.3	218.6	218.6	267.1	464.4	830.2	4372.6	7599.3	8174.6	8165.5
52.5°	183.6	203.4	200.3	289.9	511.5	886.4	4522.9	8569.2	9569.4	9652.8
55°	167.0	185.2	188.2	335.4	538.8	934.9	3941.6	8977.4	10760.8	11053.7
57.5°	148.7	159.4	195.8	370.3	529.7	1076.1	2700.1	9051.8	11521.2	12149.5
60°	129.0	138.1	221.6	362.7	500.9	994.1	1699.9	8384.0	11413.4	12210.2
62.5°	112.3	127.5	233.7	320.2	510.0	862.1	1083.7	7145.5	10385.9	11295.0
65°	98.7	122.9	212.5	289.9	516.0	584.3	731.6	5813.0	9382.7	10247.8
67.5°	88.0	136.6	174.5	258.0	443.2	411.3	502.4	4516.8	7889.2	8664.8
70°	80.4	139.6	142.7	221.6	343.0	264.1	330.9	3040.0	5438.1	6324.4
72.5°	72.9	103.2	107.8	177.6	221.6	160.9	214.0	1739.3	3964.3	4568.4
75°	69.8	69.8	74.4	115.3	122.9	116.9	138.1	1038.1	2842.7	3284.4
77.5°	65.3	53.1	47.1	74.4	66.8	83.5	82.0	461.4	1232.4	1332.6
80°	51.6	37.9	31.9	47.1	45.5	56.2	48.6	37.9	56.2	54.6
82.5°	31.9	24.3	22.8	28.8	25.8	28.8	22.8	6.1	6.1	6.1
85°	15.2	13.7	12.1	12.1	13.7	12.1	9.1	3.0	1.5	1.5
87.5°	7.6	7.6	6.1	4.6	6.1	6.1	4.6	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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