

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: P641726

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641726  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

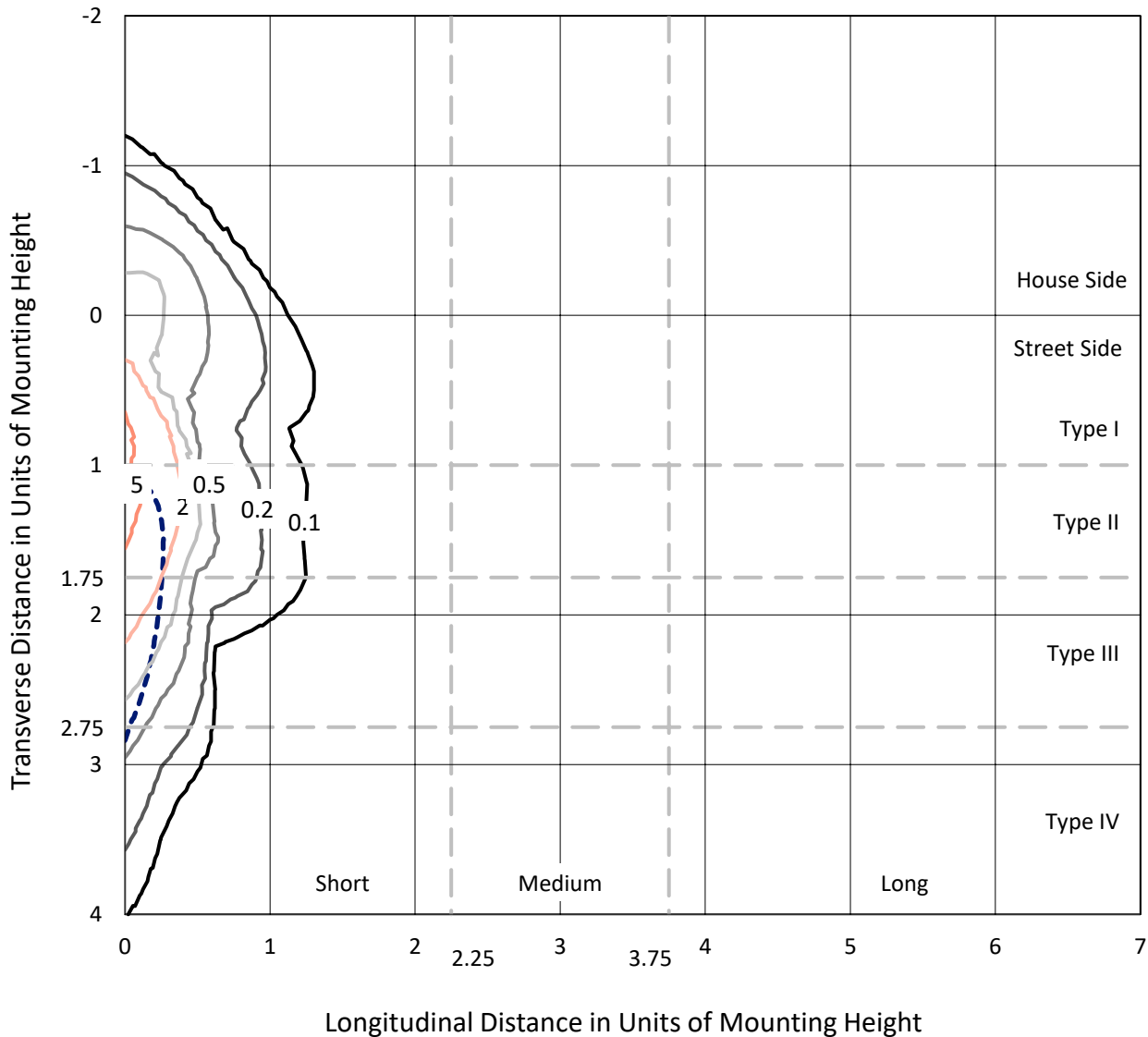
Lumens per Lamp: N/A  
Luminaire Lumens: 12819.3 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

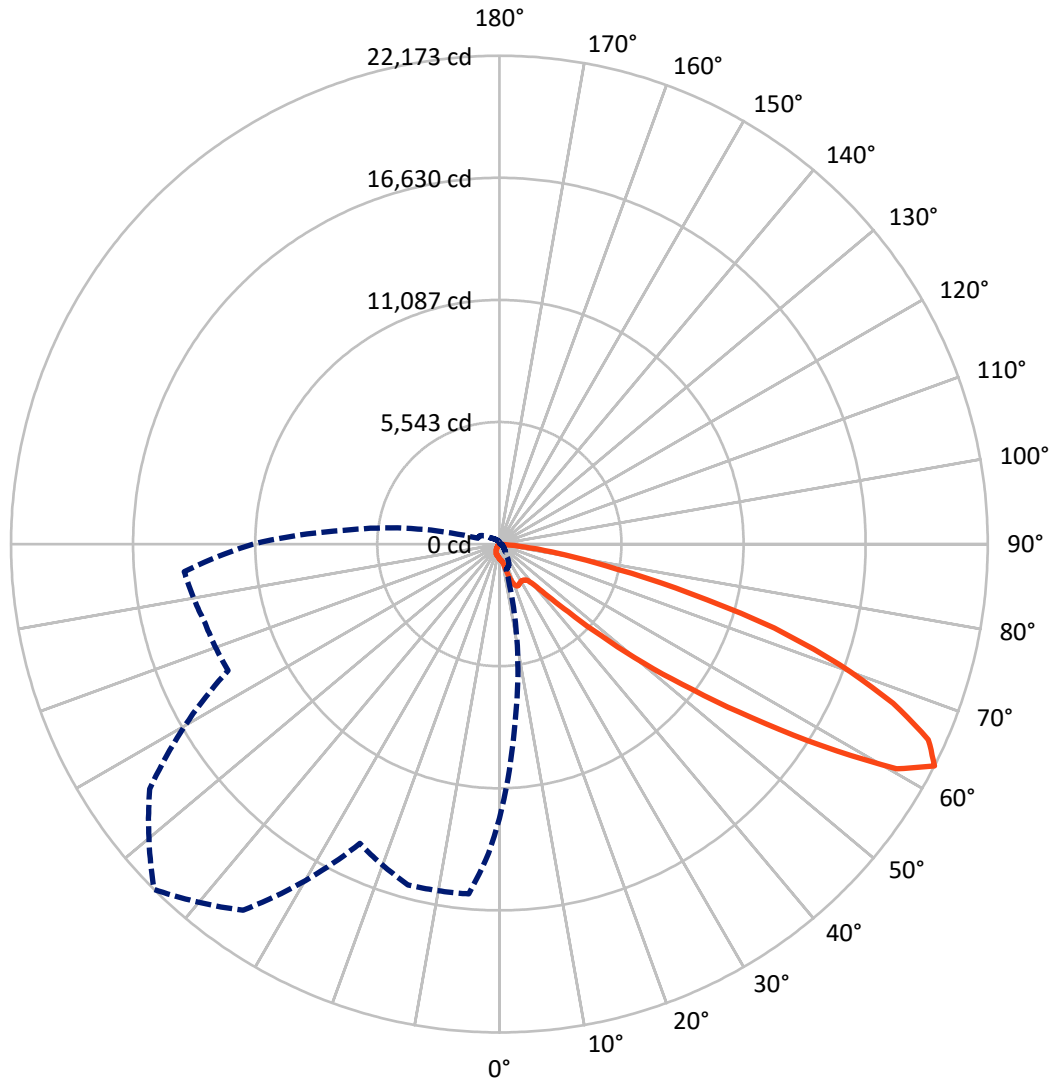
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	1489.4	0.0	1489.4
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	11329.9	0.0	11329.9
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	12819.3	0.0	12819.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	0.4
10°-20°	196.8	1.5
20°-30°	444.5	3.5
30°-40°	765.8	6.0
40°-50°	1444.6	11.3
50°-60°	3225.4	25.2
60°-70°	4314.0	33.7
70°-80°	2163.3	16.9
80°-90°	207.4	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°	12819.3	100.0
0°-180°	12819.3	100.0

**Coefficient of Utilization**



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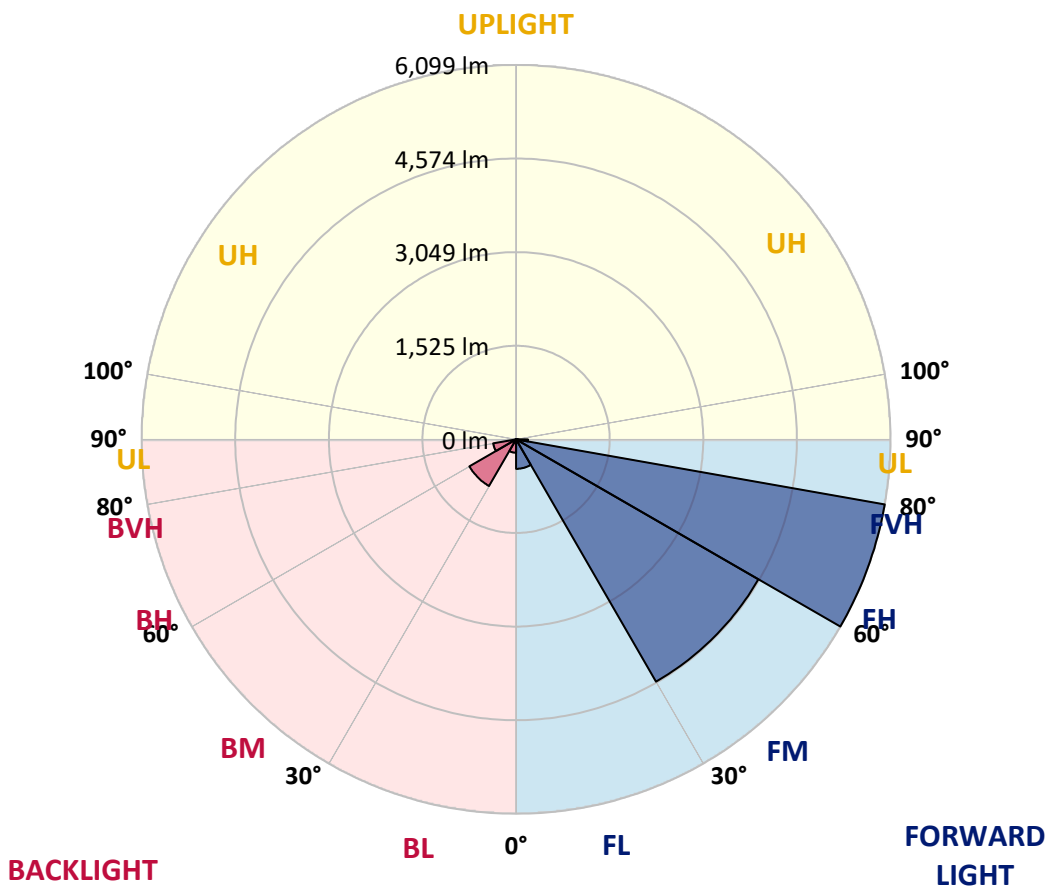
CATALOG NUMBER: GWS-SA6B-740-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.1	3.7			
FM (30°-60°)	4557.6	35.6			
FH (60°-80°)	6098.6	47.6			G3/7500
FVH (80°-90°)	193.6	1.5			G2/225
BL (0°-30°)	218.6	1.7	B1/500		
BM (30°-60°)	878.3	6.9	B1/1000		
BH (60°-80°)	378.8	3.0	B1/500		G1/500
BVH (80°-90°)	13.8	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°	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8
2.5°	657.2	655.7	652.7	643.6	636.0	631.4	622.3	622.3	620.8	617.8	611.7
5°	636.0	629.9	623.8	607.1	588.9	578.3	566.2	564.6	564.6	561.6	560.1
7.5°	602.6	596.5	588.9	561.6	544.9	534.3	523.7	522.1	517.6	517.6	517.6
10°	584.4	575.3	563.1	532.8	516.1	507.0	499.4	494.8	491.8	487.2	485.7
12.5°	623.8	607.1	581.3	526.7	503.9	491.8	482.7	479.6	470.5	464.5	459.9
15°	746.8	705.8	654.2	540.4	499.4	481.2	469.0	463.0	455.4	444.7	437.1
17.5°	948.7	889.5	803.0	584.4	494.8	472.1	456.9	446.3	435.6	423.5	414.4
20°	1228.0	1139.9	1036.7	664.8	494.8	461.4	443.2	429.6	414.4	400.7	390.1
22.5°	1583.1	1495.1	1319.0	801.4	500.9	447.8	426.5	408.3	390.1	377.9	365.8
25°	1980.8	1856.4	1692.4	966.9	517.6	429.6	406.8	388.6	371.9	356.7	343.0
27.5°	2424.0	2288.9	2070.4	1202.2	554.0	411.3	385.5	368.8	353.7	338.5	320.3
30°	2832.3	2751.9	2528.8	1484.5	613.2	399.2	368.8	353.7	338.5	318.8	302.1
32.5°	3322.6	3179.9	2996.3	1806.3	692.1	387.1	355.2	333.9	321.8	303.6	285.4
35°	3815.9	3694.5	3453.2	2202.4	780.2	374.9	338.5	318.8	308.1	286.9	267.1
37.5°	4324.4	4297.1	4058.8	2641.1	866.7	361.3	318.8	306.6	296.0	271.7	248.9
40°	4825.3	4775.2	4555.1	3142.0	919.8	346.1	302.1	294.5	282.3	255.0	229.2
42.5°	5305.0	5267.0	5053.0	3621.6	912.2	332.4	285.4	276.3	267.1	239.8	207.9
45°	5893.9	5831.7	5561.5	3976.8	834.8	347.6	268.7	253.5	252.0	226.2	186.7
47.5°	6995.9	6791.0	6332.6	4250.0	757.4	387.1	250.4	232.2	242.9	212.5	165.4
50°	8539.5	8298.2	7634.9	4462.5	755.9	438.7	247.4	212.5	235.3	201.9	147.2
52.5°	10090.8	9665.8	8859.8	4576.4	812.1	476.6	274.7	192.8	226.2	191.3	133.6
55°	11576.8	10694.9	9372.9	4199.9	856.1	517.6	324.8	182.1	209.5	179.1	126.0
57.5°	12993.0	11522.2	9596.0	3322.6	1003.3	534.3	355.2	186.7	185.2	163.9	119.9
60°	13187.3	11482.7	9145.2	1932.2	1106.5	505.5	343.0	207.9	162.4	145.7	109.3
62.5°	12452.6	10719.2	8117.6	1205.2	1027.6	494.8	305.1	236.8	147.2	129.0	95.6
65°	11337.0	9521.6	6768.2	777.1	778.7	549.5	267.1	232.2	138.1	113.8	82.0
67.5°	9592.9	7968.8	5332.3	520.6	440.2	469.0	233.8	159.4	135.1	97.1	63.8
70°	7001.9	5672.3	3471.4	347.6	262.6	374.9	195.8	113.8	127.5	80.4	45.5
72.5°	5118.3	3811.4	1938.3	227.7	148.8	218.6	144.2	82.0	98.7	59.2	31.9
75°	3683.9	2622.9	1106.5	145.7	98.7	119.9	94.1	56.2	63.8	47.1	28.8
77.5°	1772.9	1278.0	502.4	80.4	66.8	60.7	50.1	34.9	39.5	42.5	25.8
80°	66.8	50.1	37.9	39.5	42.5	27.3	22.8	18.2	22.8	28.8	13.7
82.5°	0.0	0.0	0.0	4.6	6.1	7.6	9.1	7.6	9.1	10.6	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°	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8
2.5°	616.3	613.2	616.3	619.3	622.3	625.4	620.8	623.8	626.9	619.3	622.3
5°	567.7	566.2	575.3	579.8	585.9	588.9	585.9	585.9	584.4	575.3	575.3
7.5°	525.2	526.7	534.3	544.9	552.5	557.1	554.0	552.5	548.0	534.3	534.3
10°	493.3	493.3	505.5	514.6	525.2	529.7	526.7	522.1	517.6	503.9	502.4
12.5°	467.5	467.5	476.6	491.8	503.9	510.0	508.5	502.4	494.8	481.2	479.6
15°	443.2	441.7	455.4	469.0	485.7	493.3	490.3	485.7	472.1	459.9	456.9
17.5°	418.9	417.4	429.6	447.8	466.0	476.6	475.1	464.5	452.3	437.1	434.1
20°	394.6	391.6	406.8	425.0	443.2	453.8	450.8	441.7	426.5	411.3	408.3
22.5°	370.4	368.8	379.5	394.6	411.3	420.5	418.9	411.3	396.2	382.5	382.5
25°	343.0	343.0	350.6	361.3	373.4	377.9	379.5	376.4	367.3	359.7	359.7
27.5°	320.3	315.7	318.8	321.8	327.9	335.4	335.4	338.5	340.0	337.0	338.5
30°	302.1	294.5	289.9	283.8	280.8	283.8	286.9	297.5	308.1	314.2	317.2
32.5°	280.8	271.7	259.6	242.9	232.2	229.2	238.3	258.0	277.8	291.4	299.0
35°	259.6	247.4	224.6	200.4	186.7	182.1	192.8	215.5	244.4	268.7	279.3
37.5°	238.3	221.6	189.7	160.9	145.7	142.7	153.3	177.6	211.0	244.4	258.0
40°	214.0	194.3	156.3	126.0	113.8	110.8	119.9	144.2	179.1	217.1	238.3
42.5°	189.7	165.4	126.0	100.2	88.0	88.0	100.2	118.4	150.3	191.3	217.1
45°	165.4	139.6	103.2	80.4	72.9	74.4	82.0	100.2	126.0	168.5	192.8
47.5°	142.7	119.9	85.0	66.8	60.7	62.2	71.3	86.5	107.8	145.7	171.5
50°	122.9	101.7	74.4	56.2	51.6	54.6	63.8	77.4	95.6	129.0	150.3
52.5°	110.8	91.1	68.3	48.6	45.5	48.6	57.7	69.8	86.5	113.8	135.1
55°	104.7	89.6	68.3	44.0	39.5	42.5	51.6	63.8	77.4	103.2	121.4
57.5°	103.2	92.6	72.9	39.5	33.4	36.4	45.5	57.7	71.3	94.1	109.3
60°	97.1	88.0	71.3	31.9	25.8	30.4	37.9	50.1	65.3	88.0	101.7
62.5°	85.0	77.4	62.2	25.8	19.7	22.8	31.9	44.0	59.2	80.4	95.6
65°	69.8	62.2	48.6	16.7	12.1	15.2	24.3	37.9	51.6	72.9	86.5
67.5°	51.6	44.0	33.4	10.6	6.1	10.6	19.7	31.9	47.1	65.3	78.9
70°	31.9	25.8	18.2	6.1	4.6	9.1	18.2	30.4	42.5	60.7	74.4
72.5°	18.2	12.1	7.6	3.0	4.6	9.1	18.2	30.4	41.0	57.7	69.8
75°	13.7	7.6	3.0	1.5	3.0	7.6	16.7	27.3	39.5	54.6	66.8
77.5°	9.1	4.6	1.5	0.0	1.5	6.1	15.2	25.8	36.4	51.6	63.8
80°	1.5	0.0	0.0	0.0	0.0	4.6	13.7	22.8	33.4	45.5	56.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	10.6	19.7	28.8	37.9	45.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	15.2	22.8	28.8	31.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	15.2	18.2	21.3
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°	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8
2.5°	620.8	629.9	629.9	636.0	643.6	657.2	664.8	675.5	683.0	690.6	693.7
5°	573.8	575.3	576.8	579.8	588.9	604.1	617.8	634.5	654.2	669.4	678.5
7.5°	534.3	534.3	534.3	538.8	548.0	558.6	572.2	595.0	617.8	636.0	651.2
10°	500.9	505.5	507.0	514.6	525.2	538.8	554.0	573.8	599.6	623.8	651.2
12.5°	479.6	484.2	491.8	499.4	510.0	525.2	541.9	567.7	620.8	670.9	728.6
15°	459.9	466.0	475.1	485.7	497.9	514.6	532.8	585.9	710.4	804.5	895.5
17.5°	438.7	447.8	459.9	470.5	485.7	503.9	526.7	629.9	874.3	1030.6	1185.5
20°	411.3	423.5	437.1	453.8	472.1	493.3	526.7	721.0	1111.1	1335.7	1540.6
22.5°	385.5	397.7	414.4	435.6	456.9	478.1	534.3	859.1	1416.2	1700.0	1959.6
25°	364.3	379.5	396.2	414.4	438.7	463.0	552.5	1053.4	1783.5	2149.3	2333.0
27.5°	344.6	362.8	379.5	394.6	415.9	443.2	593.5	1313.0	2217.6	2589.5	2733.7
30°	324.8	346.1	362.8	377.9	399.2	428.0	655.7	1643.9	2700.3	3061.5	3076.7
32.5°	308.1	327.9	347.6	362.8	382.5	415.9	742.2	2030.9	3195.1	3544.2	3401.5
35°	289.9	312.7	330.9	347.6	368.8	405.3	842.4	2448.3	3694.5	3987.4	3724.9
37.5°	271.7	297.5	320.3	332.4	353.7	394.6	915.3	2884.0	4204.5	4420.0	4008.7
40°	255.0	283.8	309.6	321.8	332.4	381.0	925.9	3330.2	4722.1	4846.6	4275.8
42.5°	236.8	268.7	291.4	308.1	317.2	371.9	862.2	3706.6	5156.2	5271.6	4625.0
45°	217.1	255.0	273.2	285.4	303.6	377.9	780.2	3998.1	5652.6	5851.4	5200.2
47.5°	197.3	239.8	255.0	264.1	288.4	414.4	749.8	4192.4	6470.7	6883.5	6170.1
50°	179.1	226.2	242.9	241.3	285.4	461.4	783.2	4339.6	7700.2	8185.9	7499.8
52.5°	159.4	211.0	230.7	224.6	308.1	497.9	850.0	4456.5	8645.8	9712.9	9286.3
55°	142.7	194.3	212.5	211.0	350.6	525.2	901.6	3840.2	9037.4	11132.1	11299.0
57.5°	130.5	176.1	191.3	217.1	377.9	525.2	1042.8	2726.1	9045.0	12176.4	13970.5
60°	119.9	159.4	170.0	238.3	367.3	497.9	1032.2	1669.7	8336.1	12105.0	15391.2
62.5°	110.8	144.2	157.9	244.4	324.8	493.3	932.0	1035.2	7109.7	11183.7	14360.6
65°	103.2	132.1	151.8	224.6	294.5	528.2	628.4	743.8	5766.4	10133.3	13178.2
67.5°	95.6	121.4	160.9	183.7	267.1	472.1	453.8	528.2	4526.3	8981.2	12092.9
70°	89.6	115.4	170.0	150.3	233.8	368.8	321.8	400.7	3465.3	7493.7	10564.4
72.5°	85.0	107.8	142.7	118.4	189.7	285.4	224.6	291.4	2264.7	5849.9	8612.4
75°	80.4	98.7	104.7	95.6	141.2	186.7	170.0	195.8	1349.4	4275.8	6534.4
77.5°	78.9	92.6	85.0	77.4	95.6	110.8	129.0	132.1	658.8	2138.7	3424.3
80°	69.8	83.5	72.9	63.8	65.3	72.9	95.6	88.0	150.3	543.4	913.8
82.5°	54.6	65.3	60.7	53.1	53.1	53.1	63.8	59.2	48.6	244.4	412.9
85°	37.9	45.5	45.5	42.5	41.0	41.0	39.5	37.9	13.7	15.2	22.8
87.5°	25.8	31.9	33.4	31.9	27.3	24.3	21.3	18.2	6.1	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-740-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8	664.8
2.5°	704.3	708.8	708.8	702.8	698.2	686.1	673.9	661.8	658.8	657.2
5°	704.3	722.5	731.6	730.1	719.5	699.7	673.9	646.6	639.0	636.0
7.5°	693.7	728.6	755.9	760.5	740.7	705.8	658.8	617.8	607.1	602.6
10°	718.0	786.3	840.9	848.5	825.7	757.4	681.5	611.7	595.0	584.4
12.5°	848.5	960.8	1027.6	1059.5	1015.5	928.9	803.0	678.5	640.5	623.8
15°	1112.6	1272.0	1399.5	1399.5	1358.5	1205.2	1045.8	843.9	792.3	746.8
17.5°	1451.1	1651.4	1763.8	1751.6	1689.4	1581.6	1390.4	1100.5	995.7	948.7
20°	1836.6	1956.5	1982.3	1974.7	1947.4	1885.2	1753.1	1442.0	1300.8	1228.0
22.5°	2170.6	2138.7	2100.7	2070.4	2062.8	2081.0	2062.8	1823.0	1712.2	1583.1
25°	2396.7	2216.1	2102.3	2047.6	2073.4	2178.1	2292.0	2202.4	2114.4	1980.8
27.5°	2519.7	2207.0	2043.1	1986.9	2030.9	2179.7	2427.1	2578.9	2487.8	2424.0
30°	2586.5	2199.4	2005.1	1950.5	2017.3	2203.9	2521.2	2931.0	2934.0	2832.3
32.5°	2682.1	2248.0	2012.7	1962.6	2052.2	2276.8	2639.6	3289.2	3377.3	3322.6
35°	2789.8	2322.3	2047.6	2002.1	2112.9	2373.9	2771.6	3650.5	3834.1	3815.9
37.5°	2891.5	2405.8	2129.6	2085.6	2205.5	2457.4	2899.1	4005.7	4260.7	4324.4
40°	2997.8	2522.7	2381.5	2424.0	2490.8	2589.5	3013.0	4313.8	4729.7	4825.3
42.5°	3248.2	2928.0	3143.5	3224.0	3233.1	3029.7	3261.9	4708.4	5191.1	5305.0
45°	3806.8	3649.0	4266.7	4380.6	4321.4	3705.1	3861.5	5277.6	5836.2	5893.9
47.5°	4512.6	4585.5	5804.3	6197.5	5842.3	4502.0	4588.5	6475.2	7017.1	6995.9
50°	5335.3	5679.9	7549.9	8477.3	7627.3	5537.2	5426.4	7947.6	8604.8	8539.5
52.5°	6308.3	6951.8	9647.6	10965.1	10160.6	6701.4	6655.9	9898.0	10298.8	10090.8
55°	7533.2	8179.8	12061.0	13902.2	12757.7	8122.1	8278.5	12159.7	12237.1	11576.8
57.5°	9360.7	9781.2	14905.5	17270.3	15468.6	10052.9	11186.7	15169.6	14243.7	12993.0
60°	12678.8	11840.9	17654.4	20715.9	18352.6	12768.3	15022.4	16953.1	14911.6	13187.3
62.5°	13833.9	13589.5	19375.6	22173.1	20292.4	14998.1	16019.6	15942.2	14046.4	12452.6
65°	12083.8	13153.9	19067.5	21403.5	20043.5	14630.8	14375.8	14826.6	13071.9	11337.0
67.5°	11162.4	12130.8	17900.2	19280.0	18663.7	13384.6	12813.9	12690.9	10974.2	9592.9
70°	10233.5	11192.8	16207.8	16379.3	16092.5	11353.7	10603.8	9779.6	8202.6	7001.9
72.5°	9116.3	9644.5	13859.7	13046.1	12721.3	8917.5	8759.6	7364.7	6148.9	5118.3
75°	7950.6	7797.3	10805.7	8953.9	9196.8	6938.2	7398.1	5408.2	4505.0	3683.9
77.5°	5783.1	5669.2	7237.2	5438.5	6022.9	4544.5	4083.1	2158.4	2055.2	1772.9
80°	3227.0	3890.3	3908.5	3047.9	3802.3	2962.9	1021.5	71.3	45.5	66.8
82.5°	1499.7	1672.7	2118.9	1413.1	2169.0	1467.8	211.0	0.0	0.0	0.0
85°	485.7	710.4	595.0	207.9	525.2	496.3	34.9	0.0	0.0	0.0
87.5°	28.8	59.2	15.2	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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