

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: P642826

Luminaire Tested: GWS-SA6D-760-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642826  
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-SA6D-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

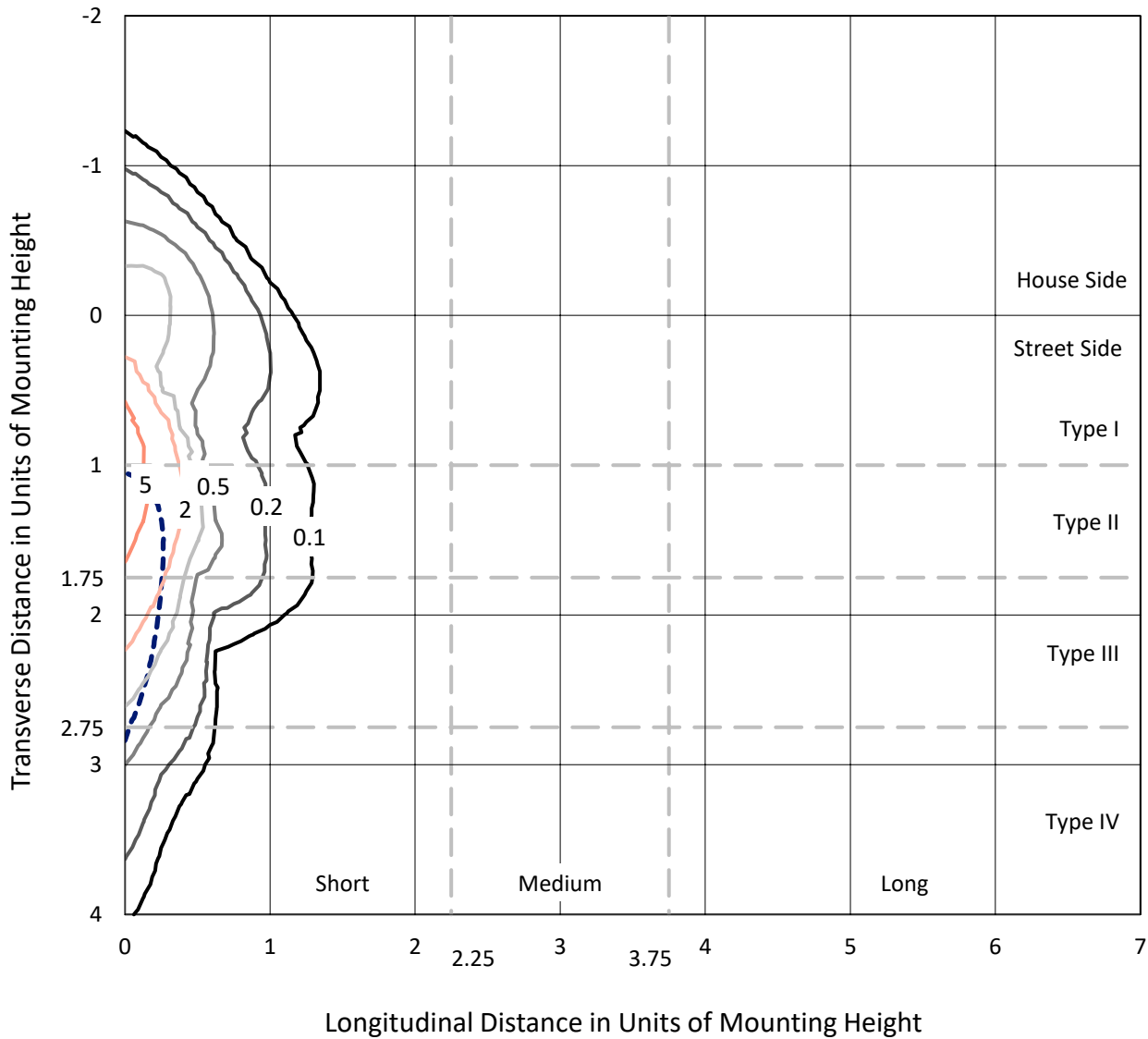
Lumens per Lamp: N/A  
Luminaire Lumens: 21881.9 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

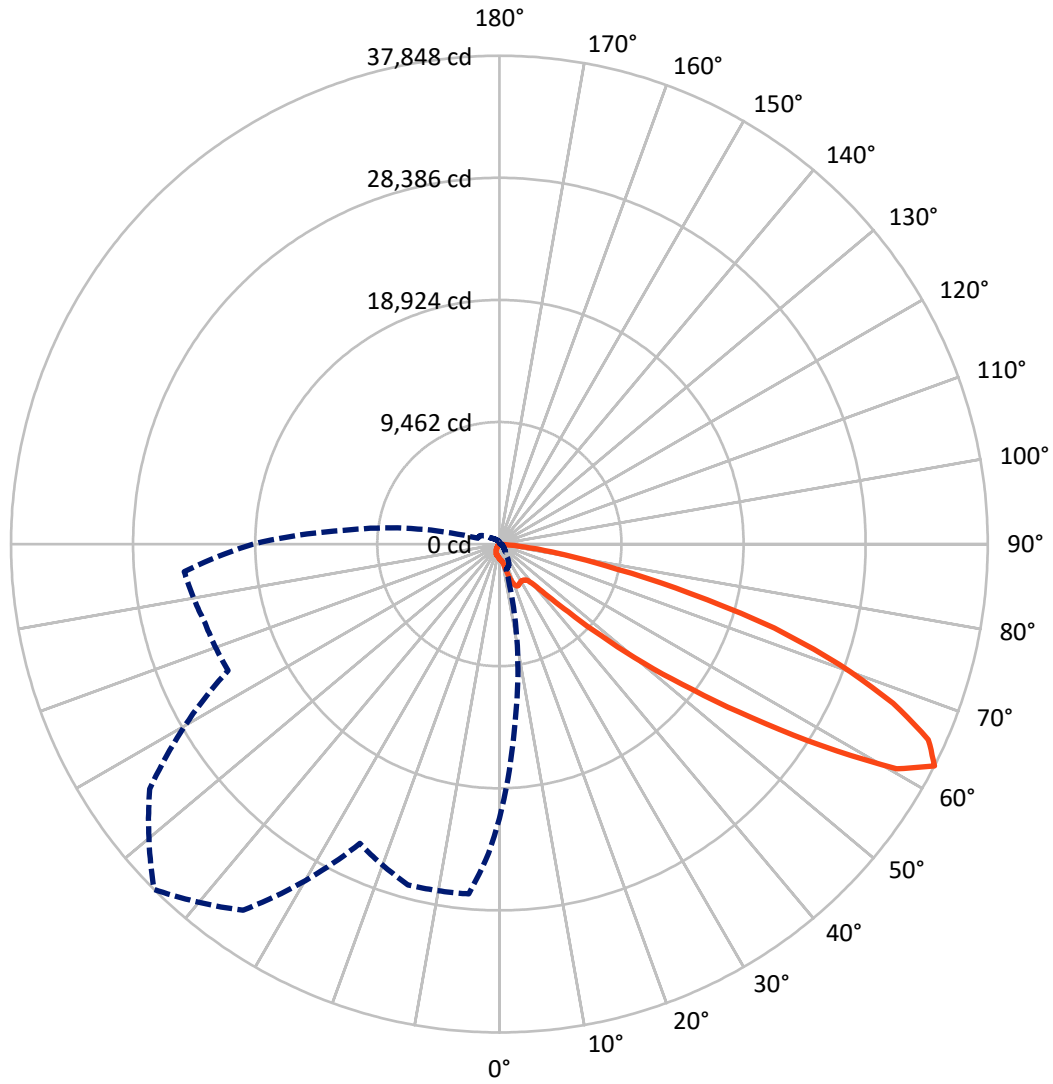
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	2542.4	0.0	2542.4
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	19339.5	0.0	19339.5
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	21881.9	0.0	21881.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.0	0.4
10°-20°	335.9	1.5
20°-30°	758.8	3.5
30°-40°	1307.2	6.0
40°-50°	2465.9	11.3
50°-60°	5505.7	25.2
60°-70°	7363.8	33.7
70°-80°	3692.7	16.9
80°-90°	353.9	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°	21881.9	100.0
0°-180°	21881.9	100.0

**Coefficient of Utilization**

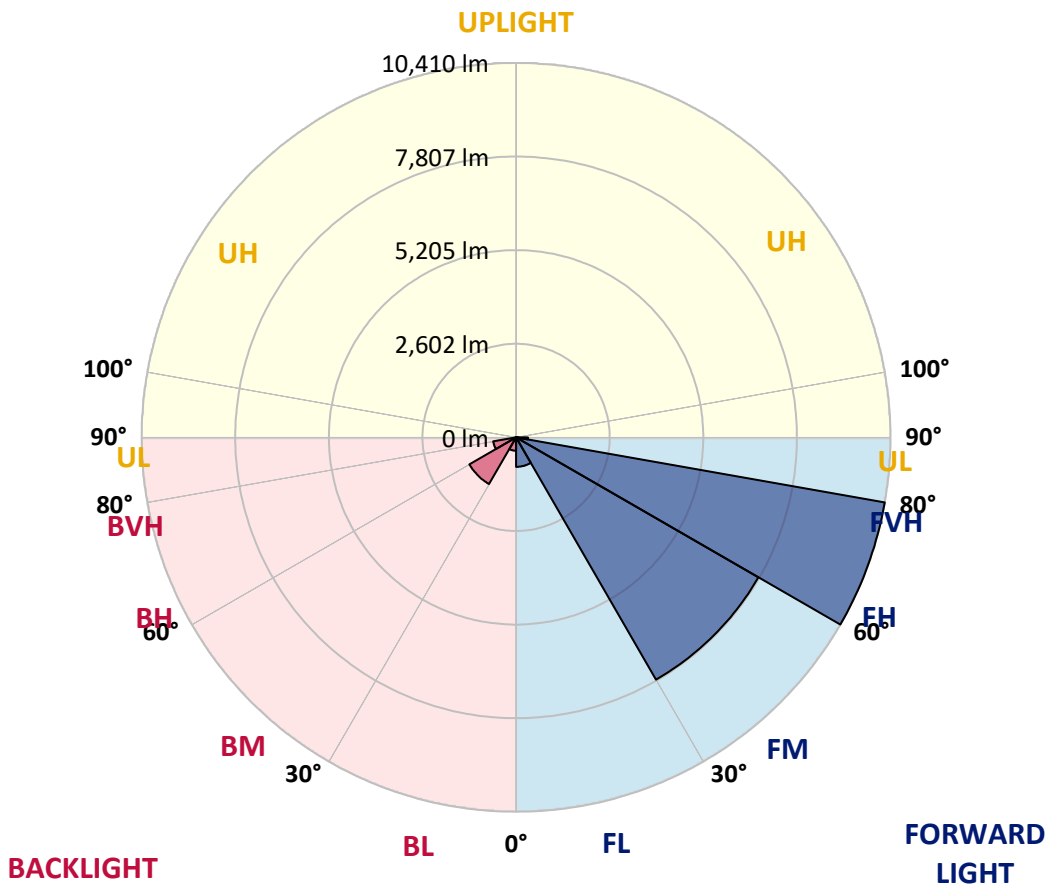


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.5	3.7			
FM (30°-60°)	7779.7	35.6			
FH (60°-80°)	10409.9	47.6			G4/12000
FVH (80°-90°)	330.4	1.5			G3/500
BL (0°-30°)	373.2	1.7	B1/500		
BM (30°-60°)	1499.1	6.9	B2/2500		
BH (60°-80°)	646.5	3.0	B2/1000		G2/1000
BVH (80°-90°)	23.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8
2.5°	1121.9	1119.3	1114.1	1098.6	1085.6	1077.8	1062.3	1062.3	1059.7	1054.5	1044.1
5°	1085.6	1075.2	1064.9	1036.4	1005.3	987.1	966.4	963.8	963.8	958.6	956.1
7.5°	1028.6	1018.2	1005.3	958.6	930.1	912.0	893.9	891.3	883.5	883.5	883.5
10°	997.5	982.0	961.2	909.4	880.9	865.4	852.4	844.6	839.5	831.7	829.1
12.5°	1064.9	1036.4	992.3	899.1	860.2	839.5	823.9	818.7	803.2	792.8	785.1
15°	1274.7	1204.8	1116.7	922.4	852.4	821.3	800.6	790.2	777.3	759.1	746.2
17.5°	1619.3	1518.3	1370.6	997.5	844.6	805.8	779.9	761.7	743.6	722.9	707.3
20°	2096.1	1945.8	1769.6	1134.8	844.6	787.6	756.6	733.2	707.3	684.0	665.9
22.5°	2702.3	2552.1	2251.5	1368.0	855.0	764.3	728.1	697.0	665.9	645.1	624.4
25°	3381.2	3168.7	2888.9	1650.4	883.5	733.2	694.4	663.3	634.8	608.9	585.5
27.5°	4137.7	3907.1	3534.0	2052.0	945.7	702.1	658.1	629.6	603.7	577.8	546.7
30°	4834.7	4697.4	4316.5	2533.9	1046.7	681.4	629.6	603.7	577.8	544.1	515.6
32.5°	5671.5	5428.0	5114.5	3083.2	1181.5	660.7	606.3	570.0	549.3	518.2	487.1
35°	6513.6	6306.3	5894.4	3759.4	1331.7	640.0	577.8	544.1	526.0	489.7	456.0
37.5°	7381.6	7334.9	6928.1	4508.2	1479.4	616.6	544.1	523.4	505.2	463.8	424.9
40°	8236.6	8151.1	7775.4	5363.2	1570.1	590.7	515.6	502.6	481.9	435.3	391.2
42.5°	9055.3	8990.5	8625.2	6182.0	1557.1	567.4	487.1	471.5	456.0	409.4	355.0
45°	10060.6	9954.3	9493.2	6788.2	1425.0	593.3	458.6	432.7	430.1	386.0	318.7
47.5°	11941.6	11591.8	10809.4	7254.6	1292.9	660.7	427.5	396.4	414.5	362.7	282.4
50°	14576.6	14164.6	13032.4	7617.3	1290.3	748.8	422.3	362.7	401.6	344.6	251.3
52.5°	17224.5	16499.0	15123.3	7811.7	1386.1	813.6	469.0	329.0	386.0	326.5	228.0
55°	19761.0	18255.7	15999.0	7169.1	1461.3	883.5	554.5	310.9	357.5	305.7	215.0
57.5°	22178.3	19667.7	16379.9	5671.5	1712.6	912.0	606.3	318.7	316.1	279.8	204.7
60°	22510.0	19600.4	15610.3	3298.3	1888.8	862.8	585.5	355.0	277.2	248.7	186.5
62.5°	21256.0	18297.1	13856.3	2057.2	1754.1	844.6	520.8	404.2	251.3	220.2	163.2
65°	19351.6	16252.9	11553.0	1326.6	1329.1	937.9	456.0	396.4	235.8	194.3	139.9
67.5°	16374.7	13602.4	9101.9	888.7	751.4	800.6	399.0	272.0	230.6	165.8	108.8
70°	11952.0	9682.3	5925.5	593.3	448.2	640.0	334.2	194.3	217.6	137.3	77.7
72.5°	8736.6	6505.8	3308.6	388.6	253.9	373.1	246.1	139.9	168.4	101.0	54.4
75°	6288.2	4477.1	1888.8	248.7	168.4	204.7	160.6	95.9	108.8	80.3	49.2
77.5°	3026.2	2181.6	857.6	137.3	114.0	103.6	85.5	59.6	67.4	72.5	44.0
80°	114.0	85.5	64.8	67.4	72.5	46.6	38.9	31.1	38.9	49.2	23.3
82.5°	0.0	0.0	0.0	7.8	10.4	13.0	15.5	13.0	15.5	18.1	2.6
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°	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8
2.5°	1051.9	1046.7	1051.9	1057.1	1062.3	1067.5	1059.7	1064.9	1070.1	1057.1	1062.3
5°	969.0	966.4	982.0	989.7	1000.1	1005.3	1000.1	1000.1	997.5	982.0	982.0
7.5°	896.5	899.1	912.0	930.1	943.1	950.9	945.7	943.1	935.3	912.0	912.0
10°	842.1	842.1	862.8	878.3	896.5	904.2	899.1	891.3	883.5	860.2	857.6
12.5°	798.0	798.0	813.6	839.5	860.2	870.6	868.0	857.6	844.6	821.3	818.7
15°	756.6	754.0	777.3	800.6	829.1	842.1	836.9	829.1	805.8	785.1	779.9
17.5°	715.1	712.5	733.2	764.3	795.4	813.6	811.0	792.8	772.1	746.2	741.0
20°	673.6	668.5	694.4	725.5	756.6	774.7	769.5	754.0	728.1	702.1	697.0
22.5°	632.2	629.6	647.7	673.6	702.1	717.7	715.1	702.1	676.2	652.9	652.9
25°	585.5	585.5	598.5	616.6	637.4	645.1	647.7	642.6	627.0	614.1	614.1
27.5°	546.7	538.9	544.1	549.3	559.6	572.6	572.6	577.8	580.4	575.2	577.8
30°	515.6	502.6	494.9	484.5	479.3	484.5	489.7	507.8	526.0	536.3	541.5
32.5°	479.3	463.8	443.0	414.5	396.4	391.2	406.8	440.5	474.1	497.5	510.4
35°	443.0	422.3	383.5	342.0	318.7	310.9	329.0	367.9	417.1	458.6	476.7
37.5°	406.8	378.3	323.9	274.6	248.7	243.5	261.7	303.1	360.1	417.1	440.5
40°	365.3	331.6	266.9	215.0	194.3	189.1	204.7	246.1	305.7	370.5	406.8
42.5°	323.9	282.4	215.0	171.0	150.3	150.3	171.0	202.1	256.5	326.5	370.5
45°	282.4	238.4	176.2	137.3	124.4	127.0	139.9	171.0	215.0	287.6	329.0
47.5°	243.5	204.7	145.1	114.0	103.6	106.2	121.8	147.7	184.0	248.7	292.8
50°	209.9	173.6	127.0	95.9	88.1	93.3	108.8	132.1	163.2	220.2	256.5
52.5°	189.1	155.5	116.6	82.9	77.7	82.9	98.5	119.2	147.7	194.3	230.6
55°	178.8	152.9	116.6	75.1	67.4	72.5	88.1	108.8	132.1	176.2	207.3
57.5°	176.2	158.0	124.4	67.4	57.0	62.2	77.7	98.5	121.8	160.6	186.5
60°	165.8	150.3	121.8	54.4	44.0	51.8	64.8	85.5	111.4	150.3	173.6
62.5°	145.1	132.1	106.2	44.0	33.7	38.9	54.4	75.1	101.0	137.3	163.2
65°	119.2	106.2	82.9	28.5	20.7	25.9	41.5	64.8	88.1	124.4	147.7
67.5°	88.1	75.1	57.0	18.1	10.4	18.1	33.7	54.4	80.3	111.4	134.7
70°	54.4	44.0	31.1	10.4	7.8	15.5	31.1	51.8	72.5	103.6	127.0
72.5°	31.1	20.7	13.0	5.2	7.8	15.5	31.1	51.8	70.0	98.5	119.2
75°	23.3	13.0	5.2	2.6	5.2	13.0	28.5	46.6	67.4	93.3	114.0
77.5°	15.5	7.8	2.6	0.0	2.6	10.4	25.9	44.0	62.2	88.1	108.8
80°	2.6	0.0	0.0	0.0	0.0	7.8	23.3	38.9	57.0	77.7	95.9
82.5°	0.0	0.0	0.0	0.0	0.0	2.6	18.1	33.7	49.2	64.8	77.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	10.4	25.9	38.9	49.2	54.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	25.9	31.1	36.3
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°	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8
2.5°	1059.7	1075.2	1075.2	1085.6	1098.6	1121.9	1134.8	1153.0	1165.9	1178.9	1184.1
5°	979.4	982.0	984.6	989.7	1005.3	1031.2	1054.5	1083.0	1116.7	1142.6	1158.1
7.5°	912.0	912.0	912.0	919.8	935.3	953.5	976.8	1015.6	1054.5	1085.6	1111.5
10°	855.0	862.8	865.4	878.3	896.5	919.8	945.7	979.4	1023.4	1064.9	1111.5
12.5°	818.7	826.5	839.5	852.4	870.6	896.5	925.0	969.0	1059.7	1145.2	1243.6
15°	785.1	795.4	811.0	829.1	849.8	878.3	909.4	1000.1	1212.6	1373.2	1528.6
17.5°	748.8	764.3	785.1	803.2	829.1	860.2	899.1	1075.2	1492.4	1759.2	2023.5
20°	702.1	722.9	746.2	774.7	805.8	842.1	899.1	1230.7	1896.6	2280.0	2629.8
22.5°	658.1	678.8	707.3	743.6	779.9	816.1	912.0	1466.5	2417.3	2901.8	3344.9
25°	621.8	647.7	676.2	707.3	748.8	790.2	943.1	1798.1	3044.3	3668.8	3982.3
27.5°	588.1	619.2	647.7	673.6	709.9	756.6	1013.1	2241.2	3785.3	4420.1	4666.3
30°	554.5	590.7	619.2	645.1	681.4	730.6	1119.3	2806.0	4609.3	5225.9	5251.8
32.5°	526.0	559.6	593.3	619.2	652.9	709.9	1267.0	3466.7	5453.9	6049.8	5806.3
35°	494.9	533.7	564.8	593.3	629.6	691.8	1438.0	4179.2	6306.3	6806.4	6358.1
37.5°	463.8	507.8	546.7	567.4	603.7	673.6	1562.3	4922.8	7176.9	7544.8	6842.6
40°	435.3	484.5	528.5	549.3	567.4	650.3	1580.5	5684.5	8060.4	8272.8	7298.6
42.5°	404.2	458.6	497.5	526.0	541.5	634.8	1471.6	6327.0	8801.4	8998.3	7894.6
45°	370.5	435.3	466.4	487.1	518.2	645.1	1331.7	6824.5	9648.6	9988.0	8876.5
47.5°	336.8	409.4	435.3	450.8	492.3	707.3	1279.9	7156.1	11045.1	11749.9	10532.1
50°	305.7	386.0	414.5	412.0	487.1	787.6	1336.9	7407.5	13143.8	13972.9	12801.8
52.5°	272.0	360.1	393.8	383.5	526.0	849.8	1450.9	7607.0	14757.9	16579.4	15851.3
55°	243.5	331.6	362.7	360.1	598.5	896.5	1539.0	6555.0	15426.4	19001.9	19286.9
57.5°	222.8	300.5	326.5	370.5	645.1	896.5	1780.0	4653.3	15439.3	20784.4	23846.9
60°	204.7	272.0	290.2	406.8	627.0	849.8	1761.8	2850.0	14229.4	20662.7	26272.0
62.5°	189.1	246.1	269.5	417.1	554.5	842.1	1590.8	1767.0	12135.9	19090.0	24512.8
65°	176.2	225.4	259.1	383.5	502.6	901.6	1072.6	1269.6	9842.9	17297.0	22494.4
67.5°	163.2	207.3	274.6	313.5	456.0	805.8	774.7	901.6	7726.1	15330.5	20641.9
70°	152.9	196.9	290.2	256.5	399.0	629.6	549.3	684.0	5915.1	12791.4	18032.9
72.5°	145.1	184.0	243.5	202.1	323.9	487.1	383.5	497.5	3865.7	9985.4	14700.9
75°	137.3	168.4	178.8	163.2	241.0	318.7	290.2	334.2	2303.3	7298.6	11153.9
77.5°	134.7	158.0	145.1	132.1	163.2	189.1	220.2	225.4	1124.5	3650.6	5845.1
80°	119.2	142.5	124.4	108.8	111.4	124.4	163.2	150.3	256.5	927.6	1559.7
82.5°	93.3	111.4	103.6	90.7	90.7	90.7	108.8	101.0	82.9	417.1	704.7
85°	64.8	77.7	77.7	72.5	70.0	70.0	67.4	64.8	23.3	25.9	38.9
87.5°	44.0	54.4	57.0	54.4	46.6	41.5	36.3	31.1	10.4	0.0	5.2
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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CATALOG NUMBER: GWS-SA6D-760-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8
2.5°	1202.2	1210.0	1210.0	1199.6	1191.8	1171.1	1150.4	1129.6	1124.5	1121.9
5°	1202.2	1233.3	1248.8	1246.2	1228.1	1194.4	1150.4	1103.7	1090.8	1085.6
7.5°	1184.1	1243.6	1290.3	1298.1	1264.4	1204.8	1124.5	1054.5	1036.4	1028.6
10°	1225.5	1342.1	1435.4	1448.3	1409.5	1292.9	1163.3	1044.1	1015.6	997.5
12.5°	1448.3	1640.1	1754.1	1808.5	1733.3	1585.6	1370.6	1158.1	1093.4	1064.9
15°	1899.2	2171.2	2388.8	2388.8	2318.9	2057.2	1785.1	1440.6	1352.5	1274.7
17.5°	2476.9	2818.9	3010.7	2989.9	2883.7	2699.7	2373.3	1878.4	1699.6	1619.3
20°	3135.0	3339.7	3383.8	3370.8	3324.2	3217.9	2992.5	2461.4	2220.4	2096.1
22.5°	3705.0	3650.6	3585.8	3534.0	3521.1	3552.2	3521.1	3111.7	2922.6	2702.3
25°	4091.1	3782.8	3588.4	3495.2	3539.2	3718.0	3912.3	3759.4	3609.2	3381.2
27.5°	4300.9	3767.2	3487.4	3391.5	3466.7	3720.6	4142.9	4402.0	4246.5	4137.7
30°	4414.9	3754.3	3422.6	3329.3	3443.3	3762.0	4303.5	5003.1	5008.3	4834.7
32.5°	4578.2	3837.2	3435.6	3350.1	3502.9	3886.4	4505.6	5614.5	5764.8	5671.5
35°	4762.1	3964.1	3495.2	3417.4	3606.6	4052.2	4731.0	6231.2	6544.7	6513.6
37.5°	4935.7	4106.6	3635.1	3559.9	3764.6	4194.7	4948.7	6837.5	7272.7	7381.6
40°	5117.1	4306.1	4065.2	4137.7	4251.7	4420.1	5143.0	7363.4	8073.3	8236.6
42.5°	5544.6	4997.9	5365.8	5503.1	5518.7	5171.5	5567.9	8037.1	8861.0	9055.3
45°	6498.0	6228.6	7283.1	7477.4	7376.4	6324.5	6591.3	9008.7	9962.1	10060.6
47.5°	7702.8	7827.2	9907.7	10578.8	9972.5	7684.7	7832.4	11052.9	11977.9	11941.6
50°	9107.1	9695.3	12887.3	14470.3	13019.4	9451.7	9262.6	13566.1	14688.0	14576.6
52.5°	10767.9	11866.5	16467.9	18716.9	17343.7	11439.0	11361.2	16895.4	17579.5	17224.5
55°	12858.8	13962.5	20587.5	23730.3	21776.8	13864.1	14130.9	20755.9	20888.1	19761.0
57.5°	15978.3	16695.9	25442.9	29479.6	26404.2	17159.7	19095.1	25893.7	24313.3	22178.3
60°	21642.0	20211.8	30135.1	35361.0	31326.9	21794.9	25642.4	28938.1	25453.3	22510.0
62.5°	23613.7	23196.6	33073.2	37848.3	34638.1	25601.0	27344.7	27212.5	23976.5	21256.0
65°	20626.4	22453.0	32547.2	36534.7	34213.2	24974.0	24538.7	25308.2	22313.1	19351.6
67.5°	19053.7	20706.7	30554.8	32910.0	31858.1	22846.8	21872.6	21662.8	18732.4	16374.7
70°	17468.0	19105.5	27665.9	27958.7	27469.0	19380.1	18100.2	16693.4	14001.4	11952.0
72.5°	15561.1	16462.8	23657.8	22269.0	21714.6	15221.7	14952.2	12571.2	10495.9	8736.6
75°	13571.3	13309.6	18444.8	15283.9	15698.4	11843.1	12628.2	9231.5	7689.9	6288.2
77.5°	9871.4	9677.1	12353.5	9283.3	10280.8	7757.2	6969.6	3684.3	3508.1	3026.2
80°	5508.3	6640.6	6671.6	5202.6	6490.3	5057.5	1743.7	121.8	77.7	114.0
82.5°	2559.8	2855.2	3616.9	2412.2	3702.4	2505.4	360.1	0.0	0.0	0.0
85°	829.1	1212.6	1015.6	355.0	896.5	847.2	59.6	0.0	0.0	0.0
87.5°	49.2	101.0	25.9	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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