

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: P629462

Luminaire Tested: GWS-SA1B-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629462  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

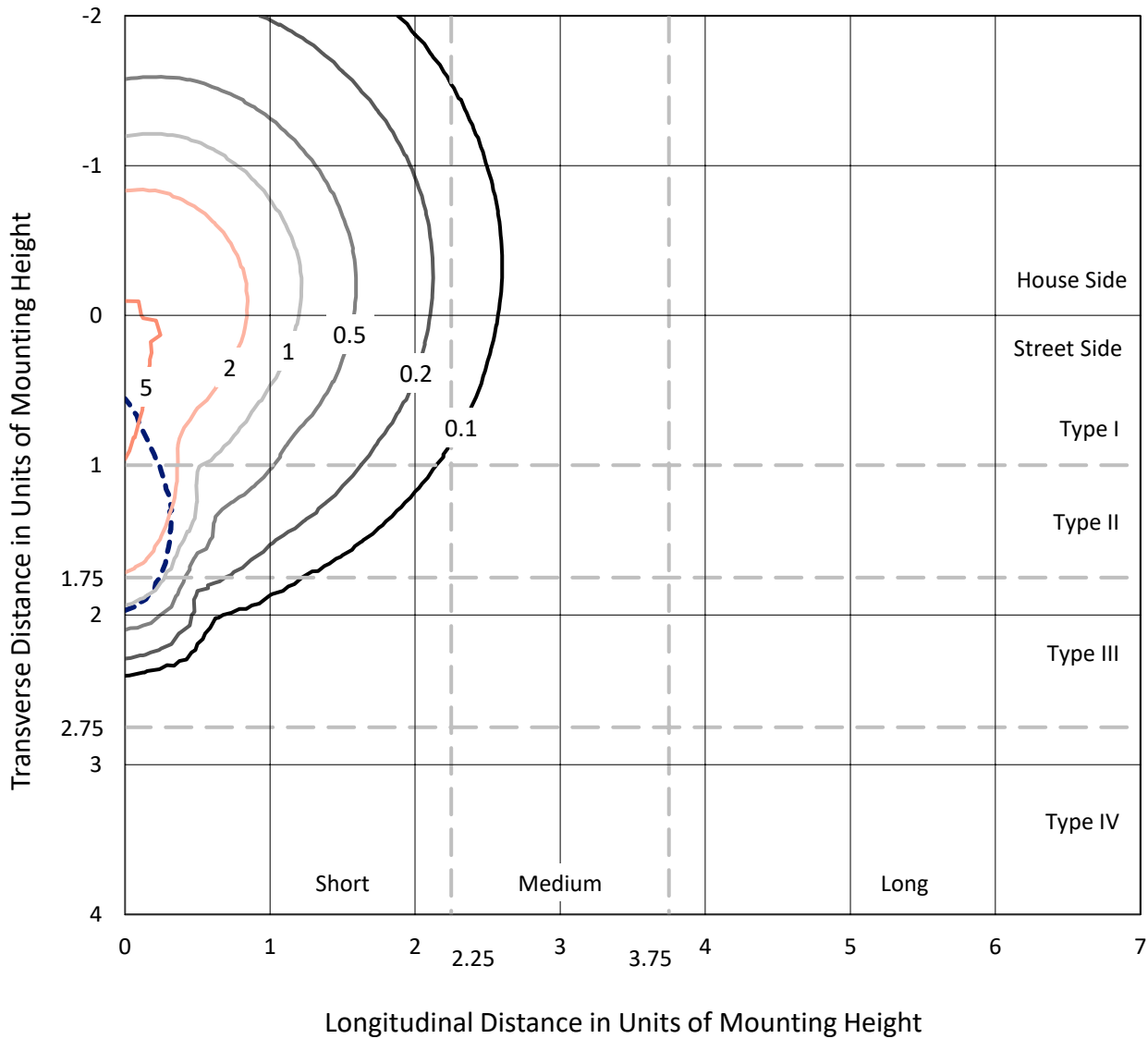
Lumens per Lamp: N/A  
Luminaire Lumens: 2814.5 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

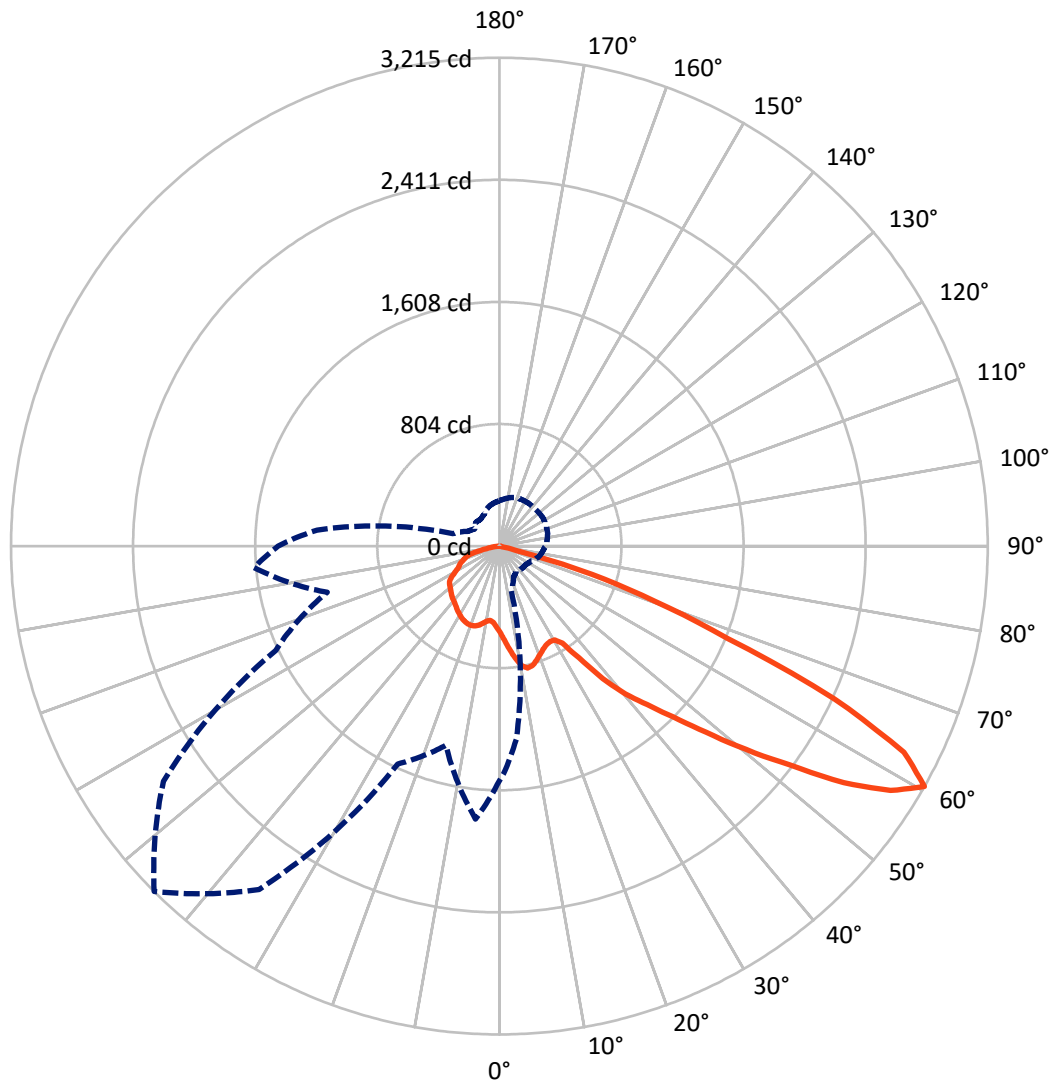
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	962.8	0.0	962.8
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	1851.7	0.0	1851.7
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	2814.5	0.0	2814.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.5	2.0
10°-20°	177.9	6.3
20°-30°	289.7	10.3
30°-40°	407.0	14.5
40°-50°	556.9	19.8
50°-60°	714.5	25.4
60°-70°	481.1	17.1
70°-80°	120.3	4.3
80°-90°	11.7	0.4
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°	2814.5	100.0
0°-180°	2814.5	100.0

**Coefficient of Utilization**



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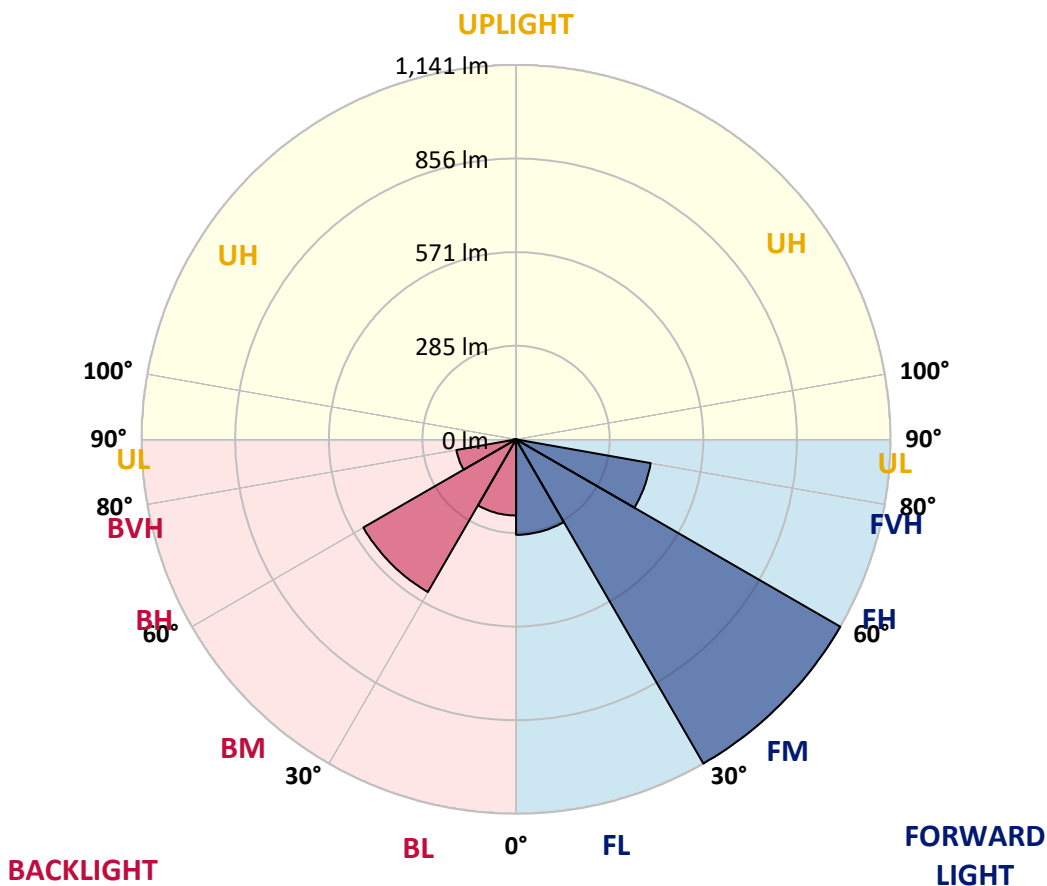
CATALOG NUMBER: GWS-SA1B-760-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.0	10.3			
FM (30°-60°)	1141.0	40.5			
FH (60°-80°)	416.7	14.8			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	232.1	8.2	B1/500		
BM (30°-60°)	537.3	19.1	B1/1000		
BH (60°-80°)	184.7	6.6	B1/500		G1/500
BVH (80°-90°)	8.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	600.6	599.3	598.0	587.9	585.3	578.0	572.8	566.4	557.0	551.8	547.4
5°	638.2	636.1	629.1	608.3	594.9	580.1	567.9	554.4	540.2	530.8	523.6
7.5°	673.7	673.2	661.2	627.0	605.2	584.0	567.4	547.7	527.2	513.2	503.9
10°	706.6	702.7	688.4	643.9	615.3	591.0	573.1	551.3	527.5	508.6	496.1
12.5°	735.6	730.7	711.0	659.4	624.2	594.1	574.7	556.8	541.0	525.1	510.9
15°	759.5	753.5	733.5	673.9	631.9	592.3	565.1	551.1	556.5	563.5	547.7
17.5°	781.8	775.5	751.2	684.6	634.3	581.1	541.5	535.5	563.0	594.9	587.6
20°	800.4	793.4	765.2	689.7	630.1	559.9	510.9	521.3	557.5	595.6	607.3
22.5°	820.6	814.9	781.0	697.3	624.9	530.6	485.2	510.6	548.2	581.7	599.3
25°	853.0	846.0	805.6	710.5	622.3	503.1	466.8	500.3	535.3	565.6	579.3
27.5°	900.0	887.0	839.3	733.5	625.2	477.2	455.2	487.6	520.2	546.1	557.3
30°	951.0	935.5	876.6	757.4	629.3	461.4	448.9	473.0	497.2	523.1	535.3
32.5°	1011.4	997.7	916.5	775.3	620.5	454.1	444.3	457.2	476.4	497.2	507.3
35°	1083.5	1058.8	960.1	789.8	592.0	443.5	440.1	439.9	450.0	470.2	481.6
37.5°	1161.0	1134.5	1013.7	805.3	547.7	426.6	430.3	419.4	428.7	444.8	457.8
40°	1224.5	1196.7	1067.9	826.6	492.2	400.2	408.5	396.8	402.5	419.1	433.6
42.5°	1286.7	1257.1	1118.5	850.7	438.6	374.3	378.4	374.0	375.8	393.2	413.4
45°	1368.3	1335.2	1180.7	867.8	390.4	353.8	349.9	342.4	352.0	374.5	396.1
47.5°	1504.7	1465.0	1282.5	879.0	355.4	342.1	324.3	319.9	331.8	356.9	379.2
50°	1664.1	1629.9	1445.3	878.4	329.2	332.3	299.4	295.5	315.2	340.6	364.2
52.5°	1794.7	1760.0	1584.5	852.5	307.7	311.3	284.9	274.0	300.9	324.5	348.1
55°	1900.2	1861.1	1648.5	744.2	280.5	277.9	269.1	249.1	283.0	308.5	330.5
57.5°	1843.5	1796.8	1571.0	565.8	252.5	236.1	241.8	227.1	258.7	290.6	311.8
60°	1545.6	1503.6	1276.3	301.2	222.1	197.3	209.2	211.5	232.0	269.1	290.8
62.5°	1061.7	1031.1	865.0	182.7	175.2	158.4	177.0	193.9	209.2	240.5	259.5
65°	519.4	510.4	432.6	117.2	122.6	128.0	146.7	167.2	189.7	217.2	237.2
67.5°	143.1	144.1	131.2	91.5	96.7	111.7	126.5	142.8	165.4	190.8	211.0
70°	63.0	64.0	66.1	70.5	80.4	94.1	109.4	126.2	147.0	168.2	187.7
72.5°	43.8	44.8	48.0	53.7	62.5	75.4	89.9	106.0	127.5	145.4	161.5
75°	27.0	27.7	30.6	35.5	41.5	51.3	65.6	80.4	99.3	115.6	129.9
77.5°	14.3	13.7	15.6	18.9	24.1	29.3	38.9	48.2	61.7	74.9	86.8
80°	7.8	7.5	8.6	10.4	11.9	16.1	22.6	28.8	36.5	44.1	50.5
82.5°	3.4	3.1	3.4	4.4	5.4	7.8	11.4	15.8	20.2	25.4	29.5
85°	0.0	0.0	0.0	0.3	1.3	2.1	3.9	5.7	8.3	11.4	14.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	544.8	538.4	537.8	532.7	533.2	533.4	528.3	526.2	528.0	530.1	529.0
5°	521.0	514.3	511.4	506.5	506.0	503.6	501.6	499.0	500.8	502.6	503.6
7.5°	500.3	495.9	494.0	492.7	493.3	492.2	488.1	485.7	485.5	486.3	487.3
10°	493.5	489.9	492.2	495.9	498.4	500.3	495.9	492.0	488.3	486.8	486.8
12.5°	508.0	503.4	508.0	511.9	517.1	518.4	513.5	509.3	508.0	509.6	512.7
15°	540.2	529.3	529.0	531.4	535.5	537.6	532.9	530.8	530.8	540.7	548.5
17.5°	572.3	554.4	546.9	545.6	548.2	549.0	545.1	543.3	548.0	567.1	581.7
20°	594.9	573.1	556.8	553.7	554.4	554.7	551.6	550.3	557.0	580.4	592.5
22.5°	592.5	576.5	556.5	552.6	553.9	553.4	550.5	550.0	555.5	575.7	581.4
25°	576.5	564.0	547.2	544.6	546.7	546.4	543.5	542.3	544.6	558.1	558.6
27.5°	558.1	547.2	532.7	531.9	535.3	537.1	532.1	528.3	527.5	536.6	534.5
30°	536.0	528.0	516.3	516.9	523.1	524.1	518.1	512.4	510.9	515.8	513.0
32.5°	509.9	507.3	501.0	502.3	508.3	510.4	504.1	498.2	496.4	497.9	492.0
35°	487.6	486.5	487.0	489.4	494.6	496.1	490.9	486.3	483.7	478.2	470.5
37.5°	464.5	467.3	474.9	479.3	482.1	481.6	478.7	475.4	471.2	461.1	451.5
40°	443.0	450.2	463.7	468.6	469.7	469.9	467.9	465.0	459.8	446.3	435.5
42.5°	426.4	434.4	452.3	459.8	460.3	460.9	458.8	456.5	449.2	431.3	420.7
45°	409.0	419.6	440.6	449.7	449.2	448.9	447.1	446.1	437.5	416.8	405.1
47.5°	394.2	406.7	429.2	437.0	436.8	436.5	435.2	435.2	426.6	404.1	390.9
50°	379.7	394.0	417.6	424.1	424.6	424.1	423.5	424.3	414.2	390.1	377.1
52.5°	363.9	380.0	404.6	410.6	413.7	415.0	415.0	413.2	401.2	376.1	361.8
55°	346.6	361.8	390.4	398.4	401.0	403.3	403.3	399.7	388.5	363.1	347.9
57.5°	325.0	338.5	361.1	369.1	375.3	376.9	376.9	370.9	361.8	337.5	325.0
60°	301.7	313.4	328.7	337.2	341.9	338.8	341.1	339.6	332.3	309.7	299.4
62.5°	270.6	282.5	299.4	308.2	310.3	307.2	310.3	310.0	300.2	279.9	267.5
65°	248.3	260.0	276.6	288.0	291.3	290.6	292.6	289.5	277.3	258.2	246.2
67.5°	221.9	234.3	253.5	266.2	273.2	274.0	276.8	270.3	257.9	236.9	221.9
70°	196.7	207.4	222.1	234.1	243.9	248.8	249.4	240.0	224.5	207.1	196.2
72.5°	170.3	181.2	199.1	212.0	224.5	230.2	230.2	218.8	201.9	182.7	171.1
75°	138.2	148.3	164.6	178.6	192.8	200.1	199.8	190.0	171.3	153.2	141.0
77.5°	93.6	101.1	111.5	122.1	124.2	129.9	132.7	120.3	109.9	100.1	89.2
80°	54.4	59.1	64.8	70.8	72.1	73.9	69.2	64.5	59.1	52.6	47.7
82.5°	31.9	35.0	37.8	42.5	43.3	43.8	39.7	37.6	33.2	29.3	26.2
85°	15.6	16.6	19.2	21.5	20.5	20.0	18.1	16.1	14.3	12.7	11.1
87.5°	3.1	3.1	4.7	4.4	3.6	3.1	1.8	2.3	0.5	0.5	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	532.4	536.8	542.3	549.5	557.8	566.6	575.2	581.7	588.1	597.7	596.2
5°	505.2	512.7	521.3	532.4	545.9	561.2	578.3	595.4	613.8	629.3	636.1
7.5°	489.4	497.7	507.8	522.3	539.7	558.3	582.4	610.2	640.0	660.4	673.2
10°	489.4	500.0	513.2	527.2	542.5	561.7	591.5	626.2	664.6	691.6	706.3
12.5°	517.6	528.3	531.1	530.6	539.1	560.4	598.8	643.1	689.0	717.5	735.6
15°	561.7	565.3	543.8	524.1	525.4	551.1	602.1	656.6	710.0	744.2	763.9
17.5°	591.2	581.7	543.3	508.8	501.6	535.3	602.1	669.5	732.2	770.9	789.3
20°	593.6	569.7	530.1	494.0	475.4	514.3	598.0	679.4	753.8	796.5	816.2
22.5°	573.1	549.5	516.1	481.3	453.9	488.9	591.2	686.9	772.2	820.6	845.0
25°	549.8	530.1	501.8	468.4	439.1	463.2	585.0	699.6	797.8	853.3	877.9
27.5°	527.0	510.4	484.7	457.5	430.8	440.9	581.1	718.3	828.4	899.7	920.9
30°	504.7	489.6	466.3	447.1	426.4	426.4	577.8	739.8	868.8	951.8	973.0
32.5°	482.1	467.9	448.9	437.0	423.8	420.7	568.4	760.0	910.6	1008.8	1030.6
35°	461.1	446.9	432.4	427.4	422.5	416.3	545.4	775.8	951.3	1075.4	1094.1
37.5°	441.4	427.7	416.8	415.5	416.0	404.4	509.1	789.0	1002.1	1143.6	1153.5
40°	424.3	409.0	400.5	400.2	402.8	385.2	463.2	807.9	1060.1	1201.4	1197.3
42.5°	409.0	393.0	382.6	384.9	383.4	366.0	418.4	825.3	1110.7	1255.6	1247.3
45°	394.0	378.4	363.9	367.3	365.5	354.1	380.3	838.0	1166.7	1320.6	1321.7
47.5°	379.5	364.2	349.7	345.5	345.3	350.4	351.0	842.2	1257.9	1425.4	1401.8
50°	366.0	350.7	335.7	321.7	327.1	343.2	329.2	839.0	1394.5	1541.0	1475.1
52.5°	352.0	337.5	320.9	295.8	310.0	325.8	309.7	827.9	1478.0	1643.1	1603.7
55°	335.9	322.2	299.6	269.1	286.4	289.8	289.8	720.1	1513.5	1744.2	1768.5
57.5°	314.4	296.3	260.5	235.9	251.4	238.5	268.5	503.9	1454.9	1712.3	1806.9
60°	290.0	270.6	232.8	215.1	219.8	197.0	228.9	316.0	1205.8	1457.0	1620.8
62.5°	257.9	240.0	208.7	194.9	185.3	160.7	184.3	199.8	826.6	1081.9	1193.6
65°	236.4	216.7	188.7	170.6	150.9	129.3	122.3	131.2	444.5	605.5	680.9
67.5°	211.0	191.6	165.1	142.3	126.5	110.9	98.8	95.6	152.4	201.7	218.2
70°	186.9	168.2	146.2	124.9	109.1	93.8	81.9	73.4	70.5	70.0	68.9
72.5°	162.3	144.9	126.5	106.8	89.4	75.4	64.8	55.0	50.8	49.5	48.2
75°	133.0	119.2	100.8	79.6	65.6	52.6	44.3	37.8	34.2	32.9	31.4
77.5°	85.5	79.3	63.2	51.3	39.7	31.4	27.0	22.8	20.5	20.0	18.7
80°	45.6	42.5	35.0	29.5	23.6	19.2	16.8	14.5	13.2	12.7	12.2
82.5°	25.4	23.1	19.4	17.1	13.7	11.7	10.4	9.3	8.6	8.3	8.0
85°	11.4	9.8	7.8	7.3	6.5	6.0	5.7	5.2	4.9	4.7	4.4
87.5°	0.5	1.0	1.3	1.0	1.0	1.6	1.8	1.8	1.6	1.6	1.3
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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CATALOG NUMBER: GWS-SA1B-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
2.5°	605.8	613.5	614.3	616.9	613.5	612.8	607.3	604.2	601.4	600.6
5°	652.9	668.5	674.7	679.1	675.0	672.9	661.0	648.5	641.5	638.2
7.5°	701.4	724.7	736.9	742.4	742.9	733.5	713.1	689.7	678.1	673.7
10°	744.7	773.5	789.5	799.9	796.3	784.9	756.9	725.3	710.5	706.6
12.5°	776.8	804.3	816.7	823.5	823.2	817.0	790.6	756.4	739.5	735.6
15°	797.6	813.9	814.7	816.2	820.6	828.9	815.2	783.6	764.9	759.5
17.5°	813.9	807.4	795.2	791.1	800.9	824.0	832.3	806.6	786.4	781.8
20°	824.3	791.6	770.1	762.1	773.5	811.0	842.7	827.4	806.4	800.4
22.5°	832.3	776.8	742.1	736.7	748.6	797.0	853.3	852.0	828.9	820.6
25°	845.0	767.0	722.4	718.5	729.7	790.3	867.6	885.4	865.0	853.0
27.5°	865.0	765.9	712.3	711.0	726.3	796.3	888.0	934.4	908.8	900.0
30°	892.7	775.8	714.6	717.2	735.9	817.8	919.9	990.4	964.8	951.0
32.5°	932.6	802.2	750.1	761.3	775.0	852.3	966.6	1051.1	1031.6	1011.4
35°	985.2	874.8	855.1	902.5	889.6	927.7	1022.8	1124.7	1101.1	1083.5
37.5°	1055.5	1023.6	1041.7	1107.1	1075.7	1070.2	1091.5	1191.6	1178.6	1161.0
40°	1154.0	1160.5	1193.9	1279.7	1234.3	1199.3	1175.7	1241.8	1246.2	1224.5
42.5°	1219.3	1249.1	1329.7	1427.2	1364.7	1281.0	1246.2	1306.1	1306.4	1286.7
45°	1243.7	1321.7	1490.2	1602.4	1497.9	1327.6	1285.1	1393.5	1390.9	1368.3
47.5°	1234.8	1382.8	1656.8	1828.4	1669.0	1360.8	1279.7	1517.9	1538.9	1504.7
50°	1216.4	1444.3	1851.5	2105.2	1879.0	1396.1	1271.4	1655.8	1690.5	1664.1
52.5°	1235.1	1512.7	2081.7	2391.4	2142.3	1452.3	1327.4	1832.8	1826.6	1794.7
55°	1294.2	1593.6	2361.3	2750.9	2431.6	1547.4	1471.2	2001.6	1938.3	1900.2
57.5°	1291.3	1651.4	2606.5	3035.3	2683.3	1625.5	1521.3	2019.5	1891.7	1843.5
60°	1172.1	1624.9	2699.9	3215.2	2759.2	1582.4	1356.7	1803.8	1596.2	1545.6
62.5°	874.8	1441.9	2518.9	2989.9	2544.3	1366.8	1020.2	1294.7	1147.0	1061.7
65°	559.6	1128.1	2117.7	2422.3	2097.2	1045.4	607.6	694.1	543.8	519.4
67.5°	238.2	796.3	1646.2	1619.0	1569.0	677.3	234.6	195.4	145.7	143.1
70°	78.8	541.7	1014.8	1079.8	937.0	466.6	77.5	65.6	65.3	63.0
72.5°	51.6	290.8	571.3	636.1	602.9	268.5	46.9	43.8	44.8	43.8
75°	30.8	63.2	96.2	124.9	96.2	45.1	28.3	27.7	28.3	27.0
77.5°	18.1	17.6	17.1	17.1	16.8	15.6	14.3	13.7	14.0	14.3
80°	11.7	11.1	10.6	10.4	9.1	8.6	8.0	7.5	7.5	7.8
82.5°	7.5	7.0	6.5	5.7	4.7	3.9	3.6	3.1	3.1	3.4
85°	3.9	3.1	2.3	1.8	1.0	0.5	0.0	0.0	0.0	0.0
87.5°	0.8	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

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