

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: P628911

Luminaire Tested: GWS-SA1A-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

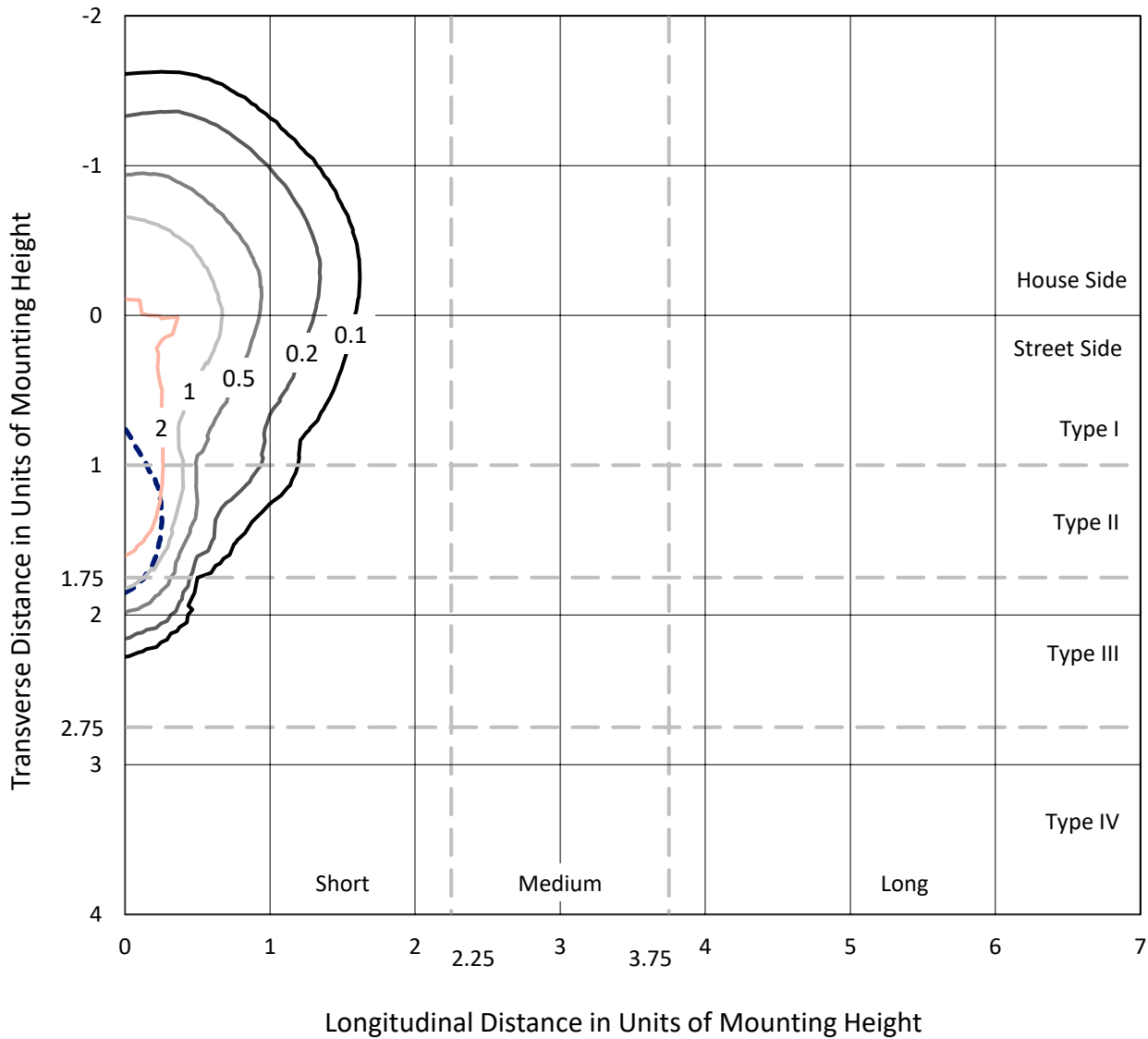
Lumens per Lamp: N/A  
Luminaire Lumens: 1559.8 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

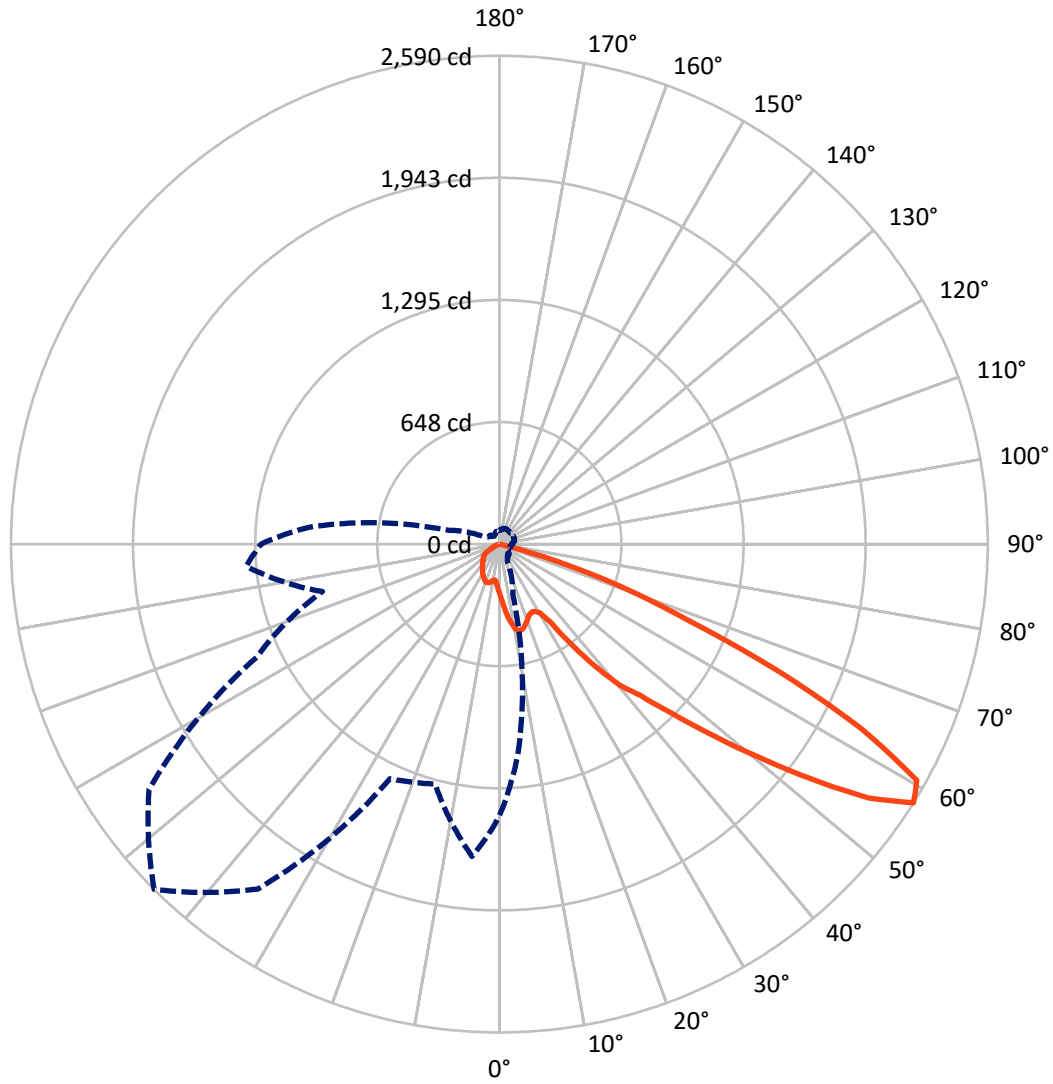
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	336.0	0.0	336.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	1223.8	0.0	1223.8
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	1559.8	0.0	1559.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	1.7
10°-20°	86.2	5.5
20°-30°	139.9	9.0
30°-40°	214.7	13.8
40°-50°	342.9	22.0
50°-60°	480.1	30.8
60°-70°	246.2	15.8
70°-80°	23.7	1.5
80°-90°	0.0	0.0
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°	1559.8	100.0
0°-180°	1559.8	100.0

**Coefficient of Utilization**



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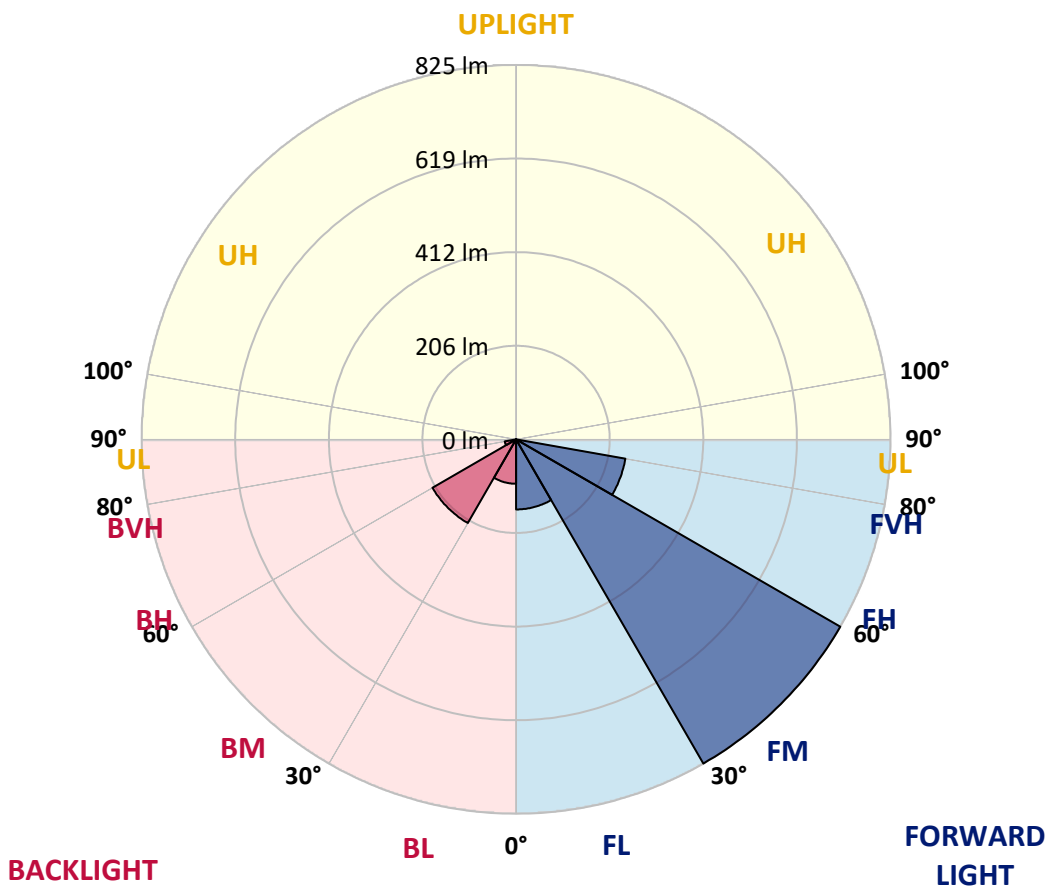
CATALOG NUMBER: GWS-SA1A-750-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.4	9.9			
FM (30°-60°)	824.9	52.9			
FH (60°-80°)	244.5	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	97.8	6.3	B0/110		
BM (30°-60°)	212.8	13.6	B0/220		
BH (60°-80°)	25.4	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2.5°	294.4	293.8	291.7	284.6	280.3	273.4	268.4	261.9	254.8	250.4	246.1
5°	325.7	324.0	318.4	302.2	289.6	276.1	265.2	253.4	240.6	232.3	224.6
7.5°	355.7	353.2	345.7	318.2	299.2	279.8	264.4	247.1	229.2	216.7	207.1
10°	385.1	379.5	367.6	333.8	308.2	284.8	266.7	246.9	225.8	210.0	199.3
12.5°	409.3	405.2	388.9	348.7	315.7	285.9	263.6	245.2	231.0	220.4	210.6
15°	430.2	425.6	410.2	362.0	322.2	281.7	250.4	234.4	236.7	240.8	232.5
17.5°	449.4	444.6	427.9	373.0	324.7	271.5	232.1	224.4	237.1	252.7	249.6
20°	469.2	463.8	443.3	382.0	323.8	255.4	213.5	215.8	233.8	251.7	253.4
22.5°	492.3	486.7	462.9	393.5	323.2	236.3	197.5	208.3	227.5	242.7	245.6
25°	523.0	516.3	490.2	410.4	324.9	218.7	186.0	201.0	216.9	230.6	232.3
27.5°	563.4	554.9	521.7	431.2	328.4	205.0	181.0	191.0	203.3	215.6	217.1
30°	616.2	605.3	557.8	449.4	326.8	195.4	177.7	181.0	188.3	198.3	198.5
32.5°	677.9	663.1	598.3	465.0	312.4	188.3	173.1	170.8	172.4	180.2	181.6
35°	750.5	731.3	642.9	479.8	286.1	174.5	164.7	157.0	156.4	160.1	163.7
37.5°	833.7	810.7	699.2	498.8	255.0	160.1	152.4	144.7	141.4	143.3	148.7
40°	910.4	885.0	758.0	521.7	223.3	147.2	138.0	130.1	126.2	126.8	133.5
42.5°	1000.5	974.2	829.9	551.8	197.1	138.5	123.0	114.9	109.7	112.6	120.3
45°	1137.3	1107.5	934.8	577.8	176.2	136.4	109.9	98.4	95.9	100.9	110.1
47.5°	1324.1	1287.6	1078.9	593.7	158.5	138.3	100.7	85.1	85.7	91.3	100.5
50°	1509.5	1470.1	1245.5	572.8	143.9	134.5	96.1	74.7	78.6	83.6	92.0
52.5°	1636.9	1585.6	1326.6	512.6	130.5	120.3	95.7	64.9	72.4	74.0	81.1
55°	1641.9	1578.7	1285.1	404.1	112.4	101.6	91.3	56.7	65.5	66.1	72.1
57.5°	1439.2	1382.1	1123.1	277.5	99.9	74.4	72.8	49.6	53.8	59.0	62.8
60°	1095.0	1046.4	839.9	127.2	75.9	47.3	49.8	42.7	40.2	48.0	51.7
62.5°	670.6	639.5	503.8	56.3	48.4	25.2	30.2	34.0	30.2	33.2	36.3
65°	266.3	252.5	191.2	24.0	19.8	12.7	13.8	19.8	21.3	23.4	26.3
67.5°	46.3	43.8	32.1	10.6	8.1	7.7	6.7	9.2	12.9	14.4	16.7
70°	6.0	5.8	5.2	4.4	4.2	3.8	2.9	5.8	8.8	9.2	10.6
72.5°	1.5	1.3	1.3	1.0	1.3	0.4	0.4	3.1	6.3	6.5	7.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	4.4	5.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2.5°	242.5	238.3	236.9	234.8	232.1	232.9	229.2	227.9	229.8	232.3	231.7
5°	220.4	215.8	212.7	207.9	207.1	205.2	203.9	202.3	204.4	207.3	207.9
7.5°	202.9	198.9	195.8	194.3	193.3	192.5	190.0	188.7	188.7	190.0	191.0
10°	195.4	192.5	191.8	192.3	193.9	193.7	191.4	189.8	187.7	186.6	187.9
12.5°	205.8	201.0	200.2	200.4	202.5	202.3	199.8	197.7	197.3	197.7	201.6
15°	223.5	216.2	210.8	209.8	210.8	210.4	208.5	207.3	207.9	213.9	220.6
17.5°	239.4	228.1	218.3	214.6	214.4	213.7	211.9	211.4	214.6	225.8	235.6
20°	244.0	232.9	218.9	214.2	213.1	212.5	210.4	211.0	215.0	228.5	236.9
22.5°	237.9	227.3	212.7	207.9	207.1	206.9	204.8	205.6	208.9	220.8	227.7
25°	226.5	217.5	202.3	198.1	198.1	197.7	195.8	196.2	198.3	208.7	215.4
27.5°	212.5	203.9	191.2	187.0	187.7	188.3	186.0	185.4	187.0	196.8	200.8
30°	196.4	190.4	180.4	176.6	176.4	178.9	175.8	175.0	177.2	185.0	185.8
32.5°	180.8	177.9	170.8	167.9	168.1	168.5	166.8	166.8	168.9	173.1	172.9
35°	165.6	163.7	162.4	160.4	160.1	159.3	159.3	159.7	162.0	163.5	160.8
37.5°	151.0	152.8	154.3	152.2	150.6	150.6	150.6	152.4	154.5	153.9	149.3
40°	138.0	142.0	146.6	144.3	140.3	140.1	141.0	144.1	147.2	143.5	139.3
42.5°	127.0	132.0	138.5	137.2	132.8	132.2	132.8	136.8	139.3	134.5	129.9
45°	116.1	122.4	130.1	130.1	125.3	124.7	124.9	130.1	131.6	125.9	120.1
47.5°	107.0	113.9	122.0	122.0	118.0	116.8	117.8	123.2	124.3	116.4	110.9
50°	98.2	105.7	114.7	114.1	111.4	110.3	112.2	118.0	116.8	108.0	102.4
52.5°	87.2	95.1	107.4	108.0	106.6	106.8	109.1	112.8	109.3	98.6	93.8
55°	77.2	85.3	97.6	100.9	100.9	100.7	101.8	104.7	101.8	89.0	83.2
57.5°	66.3	73.2	83.4	84.2	84.9	82.6	84.0	88.0	86.5	75.7	72.4
60°	54.4	60.3	66.1	66.7	64.0	59.2	61.9	66.5	67.6	59.4	55.7
62.5°	38.6	44.2	51.1	51.1	48.4	43.6	47.1	51.1	49.6	41.3	39.0
65°	28.8	34.0	39.2	41.5	39.2	35.9	38.6	41.5	39.2	32.3	29.0
67.5°	18.6	22.1	25.2	27.1	27.5	27.1	28.4	27.5	24.8	20.2	18.4
70°	11.3	13.1	14.8	16.5	17.7	18.4	19.0	17.1	14.4	11.9	11.3
72.5°	8.1	9.8	11.3	12.5	14.0	14.4	14.4	13.1	10.6	8.3	7.7
75°	5.6	7.1	8.3	9.2	10.4	10.8	10.8	9.8	7.9	6.0	5.4
77.5°	0.2	1.5	1.5	1.3	1.7	2.1	2.1	2.5	2.3	1.7	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2.5°	232.9	240.4	242.5	250.2	257.1	264.0	272.3	277.3	284.8	290.1	293.0
5°	210.0	216.2	223.7	235.2	247.1	260.2	276.1	289.8	307.2	319.9	324.0
7.5°	193.3	201.4	210.2	224.6	240.8	258.4	280.7	303.2	329.7	347.0	358.0
10°	190.2	198.5	210.2	224.4	241.5	261.5	288.8	318.0	351.2	372.2	384.7
12.5°	205.2	214.2	219.2	225.6	238.6	260.9	295.9	333.0	372.0	394.9	408.3
15°	227.3	235.2	227.1	218.9	227.3	254.2	299.9	345.5	390.4	416.8	430.6
17.5°	242.5	243.1	225.4	208.1	210.4	242.1	301.3	358.0	410.0	437.7	452.1
20°	241.1	236.0	218.1	198.9	191.8	226.5	299.6	369.1	429.8	458.8	472.9
22.5°	229.8	224.0	208.7	190.0	176.2	207.9	296.7	379.1	447.9	480.9	494.2
25°	216.2	210.0	197.5	181.0	166.2	190.0	294.4	392.9	470.8	509.6	520.1
27.5°	200.4	195.0	184.3	172.4	162.0	176.4	293.8	411.0	498.6	544.7	552.0
30°	185.0	180.0	171.6	164.7	160.4	168.5	291.7	430.4	531.7	584.9	592.8
32.5°	170.2	165.2	159.9	158.9	159.1	165.6	284.6	449.6	571.1	643.3	649.1
35°	157.4	151.6	149.5	152.0	156.6	160.6	264.6	465.4	613.5	706.9	711.7
37.5°	145.3	139.5	139.3	145.3	150.3	152.8	241.1	481.1	670.6	771.5	777.6
40°	134.3	128.5	130.5	137.8	141.8	143.0	212.5	504.8	731.1	839.7	836.4
42.5°	124.9	118.9	120.1	129.5	133.0	136.4	186.2	524.6	789.3	904.4	903.3
45°	115.7	111.1	110.3	120.5	123.7	137.0	167.0	539.9	864.1	986.7	988.4
47.5°	106.8	103.2	103.4	107.8	115.5	140.1	150.8	549.9	972.8	1117.3	1088.3
50°	98.6	95.9	98.2	93.2	110.3	136.2	136.8	547.8	1094.1	1242.4	1184.2
52.5°	89.7	89.0	90.1	78.0	102.0	120.1	123.7	520.1	1151.0	1327.9	1294.7
55°	80.5	80.3	71.9	62.3	85.3	95.9	105.9	433.9	1149.2	1373.3	1413.6
57.5°	69.6	68.0	54.6	50.9	66.3	66.7	96.5	284.2	1018.4	1264.5	1347.9
60°	52.8	51.5	40.0	41.3	46.3	42.7	76.9	141.6	761.1	985.1	1079.1
62.5°	36.5	34.8	29.8	31.9	29.8	24.4	47.1	70.1	461.0	622.0	707.3
65°	26.7	24.8	20.4	17.5	14.0	14.0	17.9	26.9	178.5	264.4	318.8
67.5°	16.5	15.6	12.1	8.8	8.5	9.2	9.4	13.3	28.8	45.9	56.1
70°	10.6	9.8	8.1	5.6	5.2	5.4	5.6	6.3	7.3	7.9	9.6
72.5°	7.3	6.9	5.8	3.1	2.5	2.7	2.9	2.9	3.5	3.3	4.0
75°	5.2	4.8	4.2	1.5	0.8	1.0	1.3	1.0	1.3	0.8	1.0
77.5°	1.5	1.5	1.0	0.2	0.0	0.2	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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CATALOG NUMBER: GWS-SA1A-750-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2.5°	300.5	305.3	307.2	304.4	306.7	303.0	301.5	295.9	295.5	294.4
5°	340.9	351.8	358.2	362.2	357.6	352.6	345.1	332.2	328.2	325.7
7.5°	380.8	397.7	408.7	413.9	412.7	402.4	388.9	367.2	359.5	355.7
10°	415.4	436.0	449.4	455.8	453.1	444.2	424.8	397.7	387.4	385.1
12.5°	439.6	458.5	467.7	473.3	473.6	470.0	451.7	424.3	412.3	409.3
15°	454.8	462.9	463.1	466.5	472.3	480.2	471.7	447.5	434.6	430.2
17.5°	464.4	455.4	446.2	447.1	456.7	477.7	486.5	467.9	454.2	449.4
20°	471.3	442.9	425.8	426.0	435.8	467.7	496.7	487.7	473.6	469.2
22.5°	475.6	431.9	407.5	406.8	417.3	455.8	506.1	511.3	497.3	492.3
25°	484.6	426.6	396.4	399.9	409.1	452.1	518.8	542.6	529.6	523.0
27.5°	500.7	431.9	395.4	403.5	413.9	463.1	540.9	584.3	570.9	563.4
30°	528.4	451.5	411.4	422.7	435.2	492.1	578.0	642.5	623.3	616.2
32.5°	573.0	492.1	461.0	485.2	497.3	539.7	633.7	707.7	692.1	677.9
35°	634.5	584.9	581.4	637.7	634.7	629.7	702.1	787.8	764.2	750.5
37.5°	719.2	734.2	760.5	816.4	814.5	776.3	792.0	863.5	851.4	833.7
40°	824.9	856.8	901.4	981.5	956.5	908.5	902.3	941.1	931.3	910.4
42.5°	887.3	942.3	1027.4	1099.3	1079.3	995.5	988.4	1044.7	1023.2	1000.5
45°	916.3	1012.0	1178.8	1276.2	1215.5	1053.3	1050.5	1179.8	1167.7	1137.3
47.5°	929.6	1082.2	1356.0	1503.5	1390.0	1103.9	1094.1	1375.8	1360.0	1324.1
50°	944.4	1179.2	1569.6	1766.8	1600.8	1161.3	1168.4	1558.5	1551.8	1509.5
52.5°	976.9	1281.8	1832.5	2067.9	1856.5	1251.1	1295.8	1730.7	1685.7	1636.9
55°	1025.7	1393.6	2106.1	2375.5	2117.3	1371.9	1433.6	1822.3	1695.9	1641.9
57.5°	971.7	1421.5	2268.1	2590.3	2233.1	1372.3	1317.0	1663.6	1491.6	1439.2
60°	771.1	1322.5	2205.8	2543.8	2134.4	1218.6	1008.4	1298.9	1130.0	1095.0
62.5°	521.3	1109.1	1941.8	2151.3	1826.9	958.6	655.4	844.7	699.6	670.6
65°	285.7	827.4	1568.9	1627.5	1429.8	669.6	337.2	366.6	279.2	266.3
67.5°	78.8	575.9	1154.4	1079.7	1003.2	436.0	87.2	65.5	46.7	46.3
70°	19.8	381.0	691.7	712.9	615.1	279.2	16.7	7.9	6.3	6.0
72.5°	8.3	163.9	328.2	377.2	314.9	129.3	6.0	2.3	1.9	1.5
75°	1.0	13.1	27.9	42.3	29.0	14.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	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
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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