

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: P630891

Luminaire Tested: GWS-SA1E-750-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630891  
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-SA1E-750-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

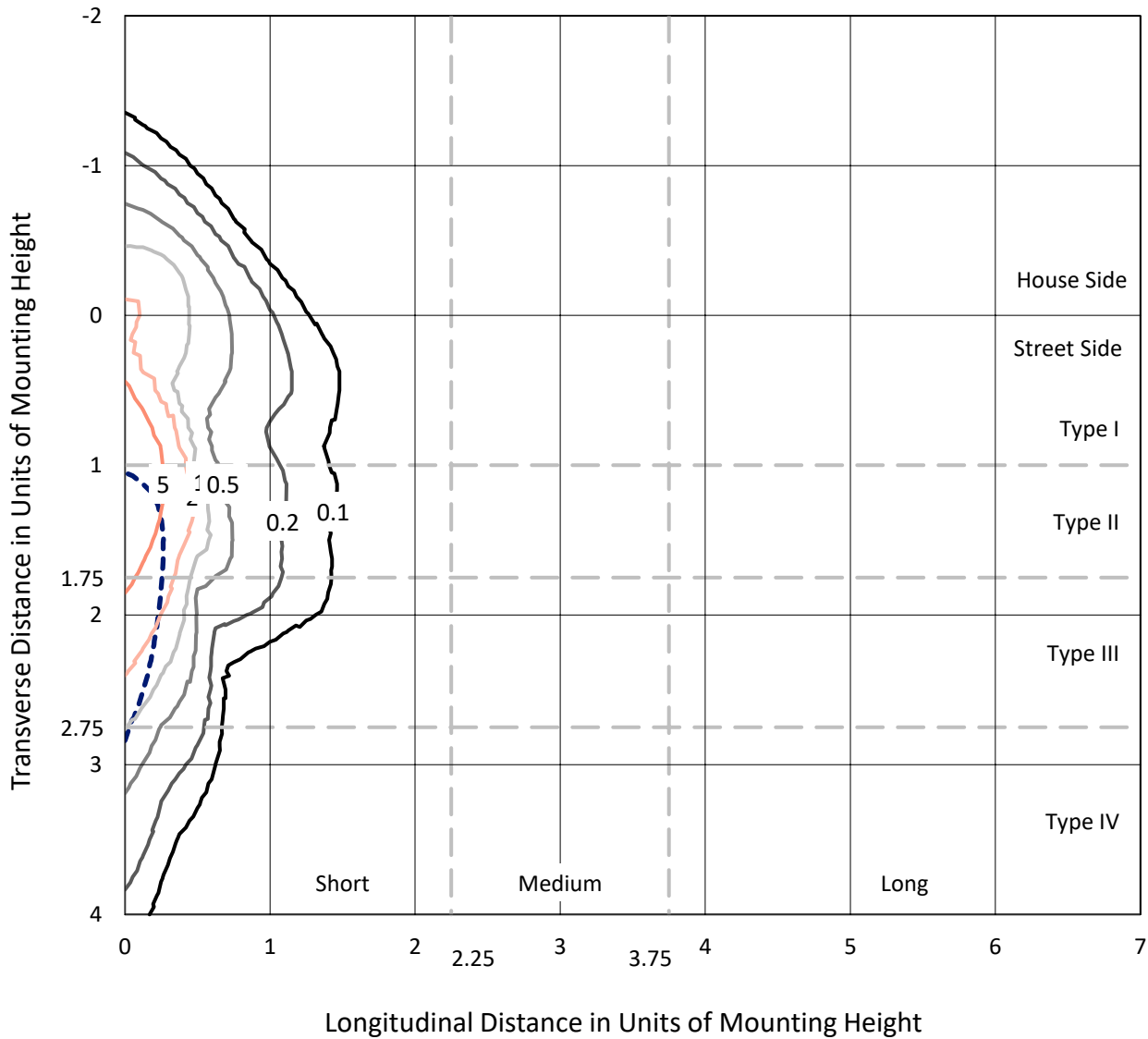
Lumens per Lamp: N/A  
Luminaire Lumens: 4693.1 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

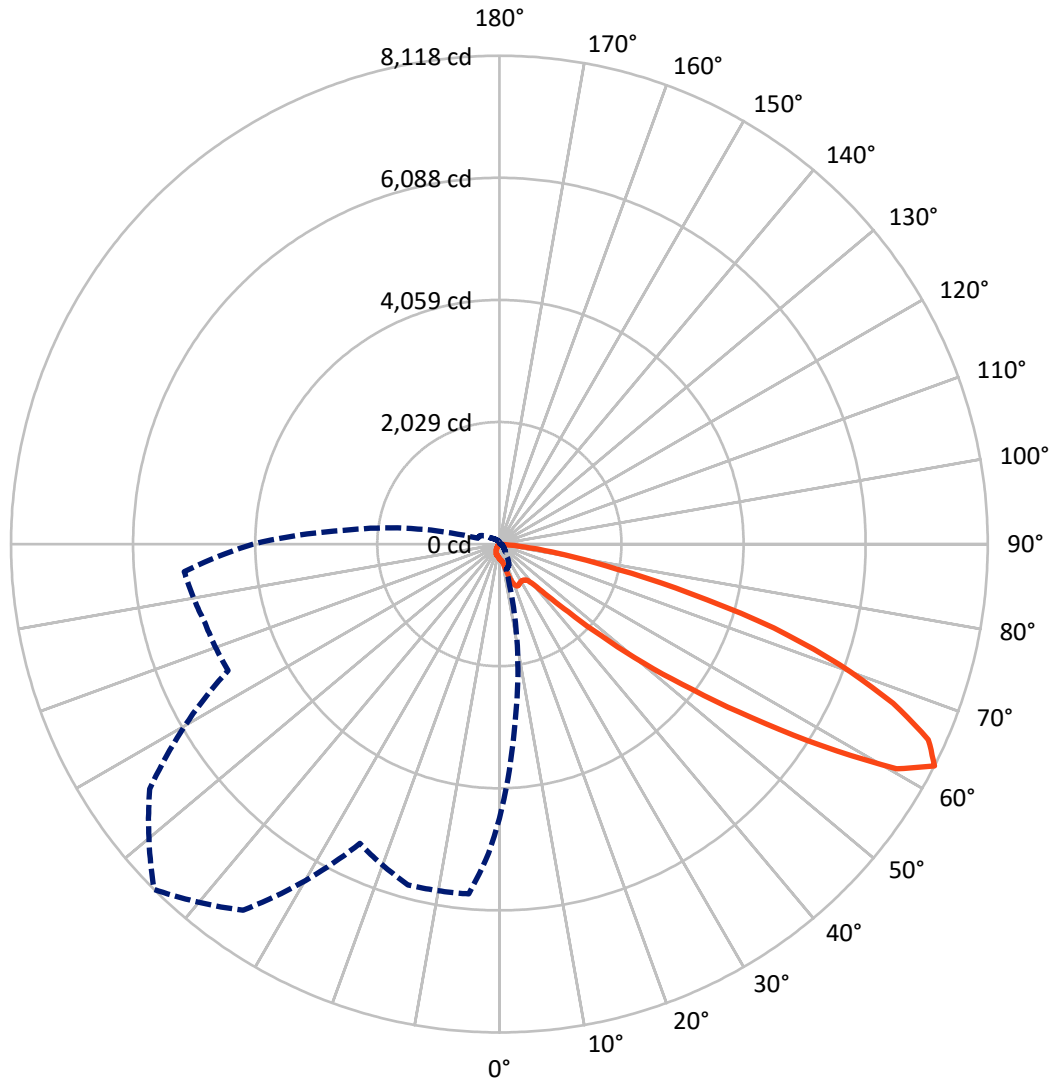
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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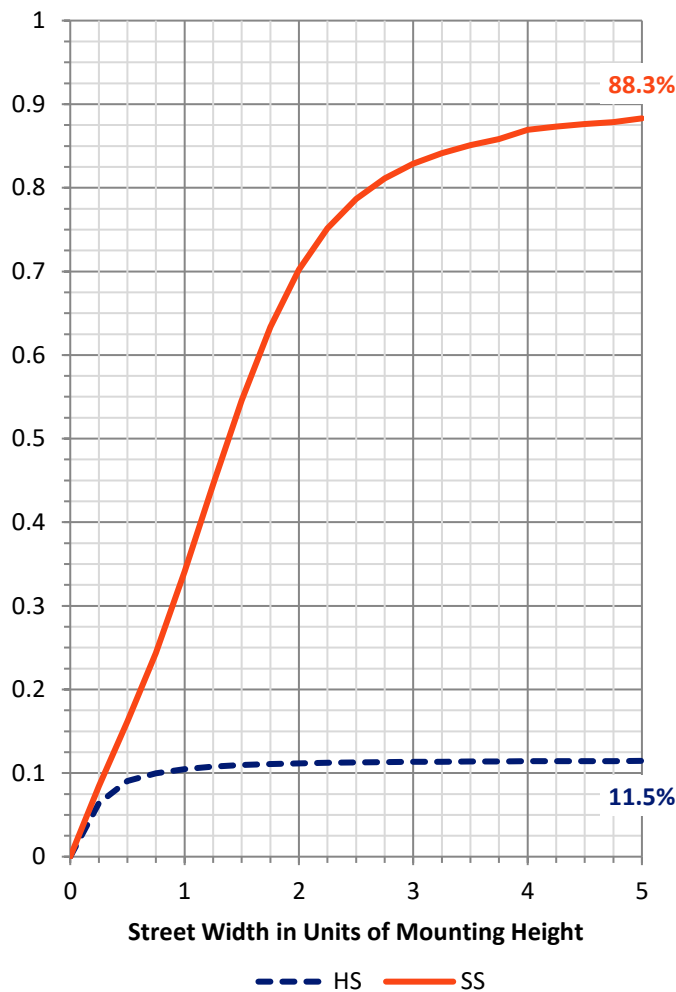
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	545.3	0.0	545.3
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	4147.8	0.0	4147.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	4693.1	0.0	4693.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.0	0.4
10°-20°	72.0	1.5
20°-30°	162.7	3.5
30°-40°	280.4	6.0
40°-50°	528.9	11.3
50°-60°	1180.8	25.2
60°-70°	1579.3	33.7
70°-80°	792.0	16.9
80°-90°	75.9	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°	4693.1	100.0
0°-180°	4693.1	100.0

**Coefficient of Utilization**



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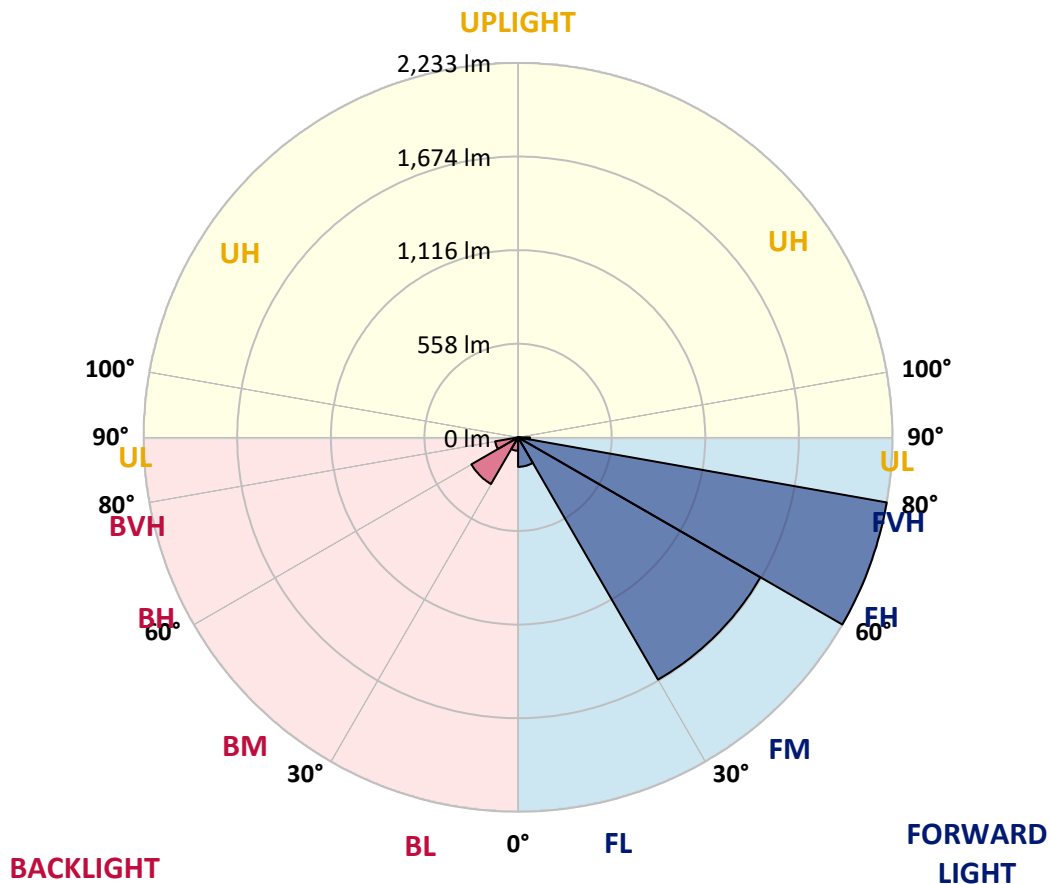
CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.8	3.7			
FM (30°-60°)	1668.5	35.6			
FH (60°-80°)	2232.7	47.6			G2/5000
FVH (80°-90°)	70.9	1.5			G1/100
BL (0°-30°)	80.0	1.7	B0/110		
BM (30°-60°)	321.5	6.9	B1/1000		
BH (60°-80°)	138.7	3.0	B1/500		G1/500
BVH (80°-90°)	5.1	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	240.6	240.1	238.9	235.6	232.8	231.2	227.8	227.8	227.3	226.2	223.9
5°	232.8	230.6	228.4	222.3	215.6	211.7	207.3	206.7	206.7	205.6	205.0
7.5°	220.6	218.4	215.6	205.6	199.5	195.6	191.7	191.2	189.5	189.5	189.5
10°	213.9	210.6	206.2	195.0	188.9	185.6	182.8	181.2	180.0	178.4	177.8
12.5°	228.4	222.3	212.8	192.8	184.5	180.0	176.7	175.6	172.3	170.0	168.4
15°	273.4	258.4	239.5	197.8	182.8	176.2	171.7	169.5	166.7	162.8	160.0
17.5°	347.3	325.6	294.0	213.9	181.2	172.8	167.3	163.4	159.5	155.0	151.7
20°	449.6	417.3	379.5	243.4	181.2	168.9	162.3	157.3	151.7	146.7	142.8
22.5°	579.6	547.4	482.9	293.4	183.4	163.9	156.1	149.5	142.8	138.4	133.9
25°	725.2	679.6	619.6	354.0	189.5	157.3	148.9	142.3	136.1	130.6	125.6
27.5°	887.4	838.0	758.0	440.1	202.8	150.6	141.1	135.0	129.5	123.9	117.2
30°	1036.9	1007.5	925.8	543.5	224.5	146.1	135.0	129.5	123.9	116.7	110.6
32.5°	1216.4	1164.2	1096.9	661.3	253.4	141.7	130.0	122.3	117.8	111.1	104.5
35°	1397.0	1352.5	1264.2	806.3	285.6	137.3	123.9	116.7	112.8	105.0	97.8
37.5°	1583.2	1573.1	1485.9	966.9	317.3	132.3	116.7	112.2	108.4	99.5	91.1
40°	1766.5	1748.2	1667.6	1150.3	336.7	126.7	110.6	107.8	103.4	93.4	83.9
42.5°	1942.1	1928.2	1849.9	1325.9	334.0	121.7	104.5	101.1	97.8	87.8	76.1
45°	2157.7	2134.9	2036.0	1455.9	305.6	127.3	98.4	92.8	92.2	82.8	68.3
47.5°	2561.2	2486.1	2318.3	1555.9	277.3	141.7	91.7	85.0	88.9	77.8	60.6
50°	3126.3	3037.9	2795.1	1633.7	276.7	160.6	90.6	77.8	86.1	73.9	53.9
52.5°	3694.2	3538.6	3243.5	1675.4	297.3	174.5	100.6	70.6	82.8	70.0	48.9
55°	4238.2	3915.4	3431.4	1537.6	313.4	189.5	118.9	66.7	76.7	65.6	46.1
57.5°	4756.7	4218.2	3513.1	1216.4	367.3	195.6	130.0	68.3	67.8	60.0	43.9
60°	4827.8	4203.8	3348.0	707.4	405.1	185.0	125.6	76.1	59.5	53.3	40.0
62.5°	4558.9	3924.3	2971.8	441.2	376.2	181.2	111.7	86.7	53.9	47.2	35.0
65°	4150.4	3485.8	2477.8	284.5	285.1	201.2	97.8	85.0	50.6	41.7	30.0
67.5°	3511.9	2917.4	1952.1	190.6	161.1	171.7	85.6	58.3	49.5	35.6	23.3
70°	2563.4	2076.6	1270.9	127.3	96.1	137.3	71.7	41.7	46.7	29.5	16.7
72.5°	1873.8	1395.3	709.6	83.4	54.5	80.0	52.8	30.0	36.1	21.7	11.7
75°	1348.7	960.2	405.1	53.3	36.1	43.9	34.5	20.6	23.3	17.2	10.6
77.5°	649.0	467.9	183.9	29.5	24.5	22.2	18.3	12.8	14.4	15.6	9.4
80°	24.5	18.3	13.9	14.4	15.6	10.0	8.3	6.7	8.3	10.6	5.0
82.5°	0.0	0.0	0.0	1.7	2.2	2.8	3.3	2.8	3.3	3.9	0.6
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°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	225.6	224.5	225.6	226.7	227.8	228.9	227.3	228.4	229.5	226.7	227.8
5°	207.8	207.3	210.6	212.3	214.5	215.6	214.5	214.5	213.9	210.6	210.6
7.5°	192.3	192.8	195.6	199.5	202.3	203.9	202.8	202.3	200.6	195.6	195.6
10°	180.6	180.6	185.0	188.4	192.3	193.9	192.8	191.2	189.5	184.5	183.9
12.5°	171.2	171.2	174.5	180.0	184.5	186.7	186.2	183.9	181.2	176.2	175.6
15°	162.3	161.7	166.7	171.7	177.8	180.6	179.5	177.8	172.8	168.4	167.3
17.5°	153.4	152.8	157.3	163.9	170.6	174.5	173.9	170.0	165.6	160.0	158.9
20°	144.5	143.4	148.9	155.6	162.3	166.2	165.0	161.7	156.1	150.6	149.5
22.5°	135.6	135.0	138.9	144.5	150.6	153.9	153.4	150.6	145.0	140.0	140.0
25°	125.6	125.6	128.4	132.3	136.7	138.4	138.9	137.8	134.5	131.7	131.7
27.5°	117.2	115.6	116.7	117.8	120.0	122.8	122.8	123.9	124.5	123.4	123.9
30°	110.6	107.8	106.1	103.9	102.8	103.9	105.0	108.9	112.8	115.0	116.1
32.5°	102.8	99.5	95.0	88.9	85.0	83.9	87.2	94.5	101.7	106.7	109.5
35°	95.0	90.6	82.2	73.4	68.3	66.7	70.6	78.9	89.5	98.4	102.2
37.5°	87.2	81.1	69.5	58.9	53.3	52.2	56.1	65.0	77.2	89.5	94.5
40°	78.4	71.1	57.2	46.1	41.7	40.6	43.9	52.8	65.6	79.5	87.2
42.5°	69.5	60.6	46.1	36.7	32.2	32.2	36.7	43.3	55.0	70.0	79.5
45°	60.6	51.1	37.8	29.5	26.7	27.2	30.0	36.7	46.1	61.7	70.6
47.5°	52.2	43.9	31.1	24.5	22.2	22.8	26.1	31.7	39.5	53.3	62.8
50°	45.0	37.2	27.2	20.6	18.9	20.0	23.3	28.3	35.0	47.2	55.0
52.5°	40.6	33.3	25.0	17.8	16.7	17.8	21.1	25.6	31.7	41.7	49.5
55°	38.3	32.8	25.0	16.1	14.4	15.6	18.9	23.3	28.3	37.8	44.5
57.5°	37.8	33.9	26.7	14.4	12.2	13.3	16.7	21.1	26.1	34.5	40.0
60°	35.6	32.2	26.1	11.7	9.4	11.1	13.9	18.3	23.9	32.2	37.2
62.5°	31.1	28.3	22.8	9.4	7.2	8.3	11.7	16.1	21.7	29.5	35.0
65°	25.6	22.8	17.8	6.1	4.4	5.6	8.9	13.9	18.9	26.7	31.7
67.5°	18.9	16.1	12.2	3.9	2.2	3.9	7.2	11.7	17.2	23.9	28.9
70°	11.7	9.4	6.7	2.2	1.7	3.3	6.7	11.1	15.6	22.2	27.2
72.5°	6.7	4.4	2.8	1.1	1.7	3.3	6.7	11.1	15.0	21.1	25.6
75°	5.0	2.8	1.1	0.6	1.1	2.8	6.1	10.0	14.4	20.0	24.5
77.5°	3.3	1.7	0.6	0.0	0.6	2.2	5.6	9.4	13.3	18.9	23.3
80°	0.6	0.0	0.0	0.0	0.0	1.7	5.0	8.3	12.2	16.7	20.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	3.9	7.2	10.6	13.9	16.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.6	8.3	10.6	11.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.6	6.7	7.8
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°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	227.3	230.6	230.6	232.8	235.6	240.6	243.4	247.3	250.1	252.8	253.9
5°	210.0	210.6	211.2	212.3	215.6	221.2	226.2	232.3	239.5	245.1	248.4
7.5°	195.6	195.6	195.6	197.3	200.6	204.5	209.5	217.8	226.2	232.8	238.4
10°	183.4	185.0	185.6	188.4	192.3	197.3	202.8	210.0	219.5	228.4	238.4
12.5°	175.6	177.3	180.0	182.8	186.7	192.3	198.4	207.8	227.3	245.6	266.7
15°	168.4	170.6	173.9	177.8	182.3	188.4	195.0	214.5	260.1	294.5	327.9
17.5°	160.6	163.9	168.4	172.3	177.8	184.5	192.8	230.6	320.1	377.3	434.0
20°	150.6	155.0	160.0	166.2	172.8	180.6	192.8	264.0	406.8	489.0	564.0
22.5°	141.1	145.6	151.7	159.5	167.3	175.0	195.6	314.5	518.5	622.4	717.4
25°	133.4	138.9	145.0	151.7	160.6	169.5	202.3	385.6	652.9	786.9	854.1
27.5°	126.1	132.8	138.9	144.5	152.3	162.3	217.3	480.7	811.9	948.0	1000.8
30°	118.9	126.7	132.8	138.4	146.1	156.7	240.1	601.8	988.6	1120.8	1126.4
32.5°	112.8	120.0	127.3	132.8	140.0	152.3	271.7	743.5	1169.7	1297.5	1245.3
35°	106.1	114.5	121.1	127.3	135.0	148.4	308.4	896.3	1352.5	1459.8	1363.7
37.5°	99.5	108.9	117.2	121.7	129.5	144.5	335.1	1055.8	1539.3	1618.2	1467.6
40°	93.4	103.9	113.4	117.8	121.7	139.5	339.0	1219.2	1728.7	1774.3	1565.4
42.5°	86.7	98.4	106.7	112.8	116.1	136.1	315.6	1357.0	1887.7	1929.9	1693.2
45°	79.5	93.4	100.0	104.5	111.1	138.4	285.6	1463.7	2069.4	2142.2	1903.8
47.5°	72.2	87.8	93.4	96.7	105.6	151.7	274.5	1534.8	2368.9	2520.0	2258.9
50°	65.6	82.8	88.9	88.4	104.5	168.9	286.7	1588.7	2819.0	2996.8	2745.6
52.5°	58.3	77.2	84.5	82.2	112.8	182.3	311.2	1631.5	3165.2	3555.8	3399.7
55°	52.2	71.1	77.8	77.2	128.4	192.3	330.1	1405.9	3308.6	4075.4	4136.5
57.5°	47.8	64.5	70.0	79.5	138.4	192.3	381.8	998.0	3311.3	4457.7	5114.5
60°	43.9	58.3	62.2	87.2	134.5	182.3	377.9	611.3	3051.8	4431.6	5634.7
62.5°	40.6	52.8	57.8	89.5	118.9	180.6	341.2	379.0	2602.8	4094.3	5257.4
65°	37.8	48.3	55.6	82.2	107.8	193.4	230.1	272.3	2111.1	3709.8	4824.5
67.5°	35.0	44.5	58.9	67.2	97.8	172.8	166.2	193.4	1657.1	3288.0	4427.2
70°	32.8	42.2	62.2	55.0	85.6	135.0	117.8	146.7	1268.6	2743.4	3867.6
72.5°	31.1	39.5	52.2	43.3	69.5	104.5	82.2	106.7	829.1	2141.6	3153.0
75°	29.5	36.1	38.3	35.0	51.7	68.3	62.2	71.7	494.0	1565.4	2392.2
77.5°	28.9	33.9	31.1	28.3	35.0	40.6	47.2	48.3	241.2	783.0	1253.6
80°	25.6	30.6	26.7	23.3	23.9	26.7	35.0	32.2	55.0	198.9	334.5
82.5°	20.0	23.9	22.2	19.4	19.4	19.4	23.3	21.7	17.8	89.5	151.1
85°	13.9	16.7	16.7	15.6	15.0	15.0	14.4	13.9	5.0	5.6	8.3
87.5°	9.4	11.7	12.2	11.7	10.0	8.9	7.8	6.7	2.2	0.0	1.1
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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CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	257.8	259.5	259.5	257.3	255.6	251.2	246.7	242.3	241.2	240.6
5°	257.8	264.5	267.8	267.3	263.4	256.2	246.7	236.7	233.9	232.8
7.5°	253.9	266.7	276.7	278.4	271.2	258.4	241.2	226.2	222.3	220.6
10°	262.8	287.8	307.9	310.6	302.3	277.3	249.5	223.9	217.8	213.9
12.5°	310.6	351.7	376.2	387.9	371.8	340.1	294.0	248.4	234.5	228.4
15°	407.3	465.7	512.3	512.3	497.3	441.2	382.9	309.0	290.1	273.4
17.5°	531.2	604.6	645.7	641.3	618.5	579.0	509.0	402.9	364.5	347.3
20°	672.4	716.3	725.7	722.9	712.9	690.2	641.8	527.9	476.2	449.6
22.5°	794.6	783.0	769.1	758.0	755.2	761.8	755.2	667.4	626.8	579.6
25°	877.4	811.3	769.6	749.6	759.1	797.4	839.1	806.3	774.1	725.2
27.5°	922.4	808.0	748.0	727.4	743.5	798.0	888.5	944.1	910.8	887.4
30°	946.9	805.2	734.1	714.1	738.5	806.9	923.0	1073.0	1074.1	1036.9
32.5°	981.9	823.0	736.8	718.5	751.3	833.5	966.3	1204.2	1236.4	1216.4
35°	1021.4	850.2	749.6	733.0	773.5	869.1	1014.7	1336.4	1403.7	1397.0
37.5°	1058.6	880.8	779.6	763.5	807.4	899.7	1061.4	1466.5	1559.8	1583.2
40°	1097.5	923.6	871.9	887.4	911.9	948.0	1103.0	1579.3	1731.5	1766.5
42.5°	1189.2	1071.9	1150.8	1180.3	1183.6	1109.2	1194.2	1723.7	1900.4	1942.1
45°	1393.7	1335.9	1562.0	1603.7	1582.0	1356.4	1413.7	1932.1	2136.6	2157.7
47.5°	1652.1	1678.7	2124.9	2268.9	2138.8	1648.2	1679.8	2370.6	2568.9	2561.2
50°	1953.2	2079.4	2764.0	3103.5	2792.3	2027.1	1986.6	2909.6	3150.2	3126.3
52.5°	2309.4	2545.0	3531.9	4014.3	3719.8	2453.4	2436.7	3623.6	3770.3	3694.2
55°	2757.9	2994.6	4415.5	5089.5	4670.5	2973.5	3030.7	4451.6	4479.9	4238.2
57.5°	3426.9	3580.8	5456.8	6322.6	5663.0	3680.3	4095.4	5553.5	5214.6	4756.7
60°	4641.7	4334.9	6463.2	7584.0	6718.8	4674.4	5499.6	6206.5	5459.1	4827.8
62.5°	5064.5	4975.1	7093.3	8117.5	7429.0	5490.7	5864.7	5836.4	5142.3	4558.9
65°	4423.8	4815.6	6980.5	7835.7	7337.8	5356.3	5262.9	5428.0	4785.6	4150.4
67.5°	4086.5	4441.1	6553.2	7058.3	6832.7	4900.0	4691.1	4646.1	4017.6	3511.9
70°	3746.4	4097.6	5933.6	5996.4	5891.4	4156.5	3882.0	3580.3	3002.9	2563.4
72.5°	3337.5	3530.8	5074.0	4776.1	4657.2	3264.7	3206.9	2696.2	2251.1	1873.8
75°	2910.7	2854.6	3955.9	3278.0	3366.9	2540.0	2708.4	1979.9	1649.3	1348.7
77.5°	2117.2	2075.5	2649.5	1991.0	2205.0	1663.7	1494.8	790.2	752.4	649.0
80°	1181.4	1424.2	1430.9	1115.8	1392.0	1084.7	374.0	26.1	16.7	24.5
82.5°	549.0	612.4	775.7	517.3	794.1	537.3	77.2	0.0	0.0	0.0
85°	177.8	260.1	217.8	76.1	192.3	181.7	12.8	0.0	0.0	0.0
87.5°	10.6	21.7	5.6	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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