

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: P634085

Luminaire Tested: GWS-SA3B-722-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

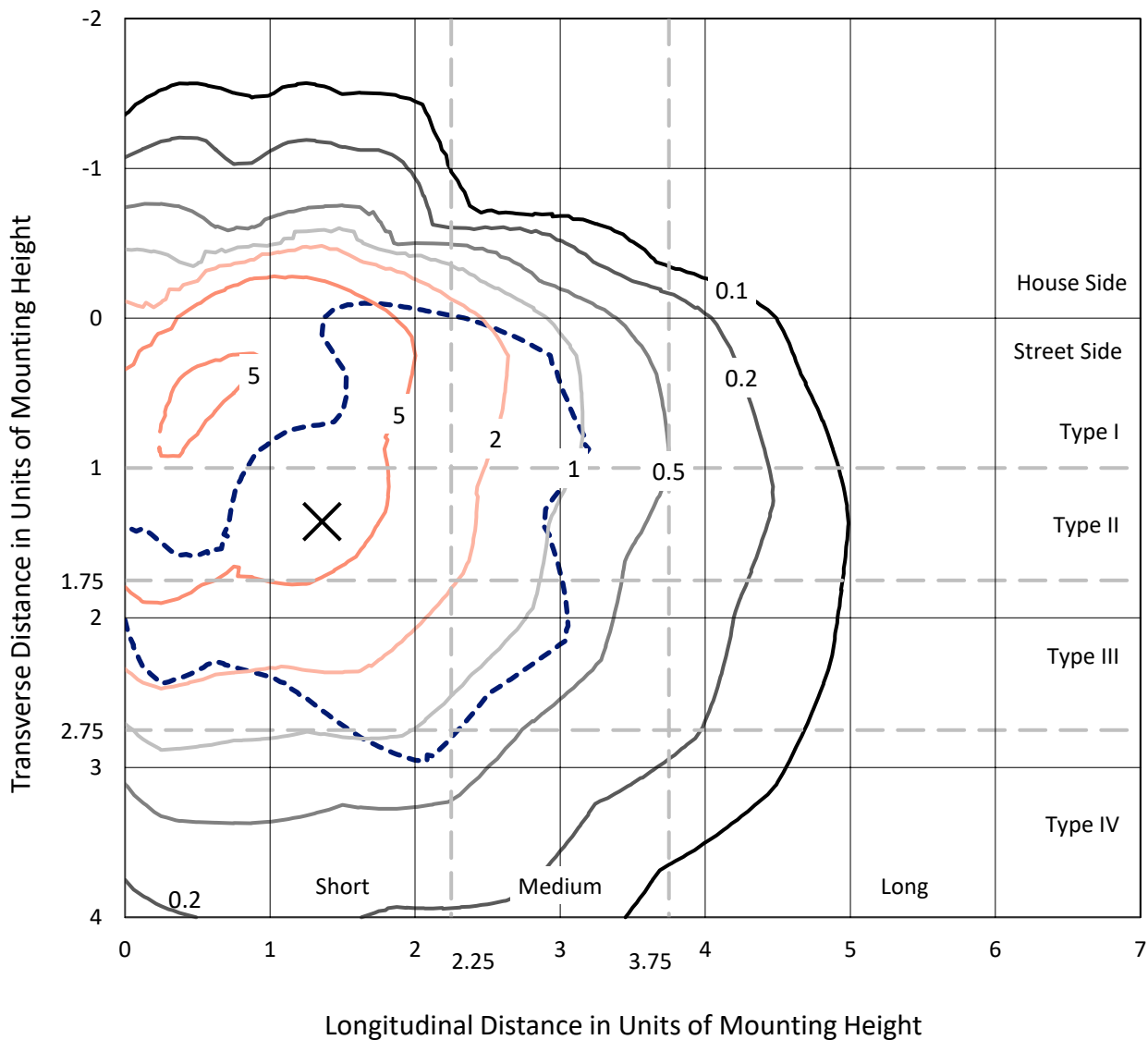
Lumens per Lamp: N/A  
Luminaire Lumens: 4754.8 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

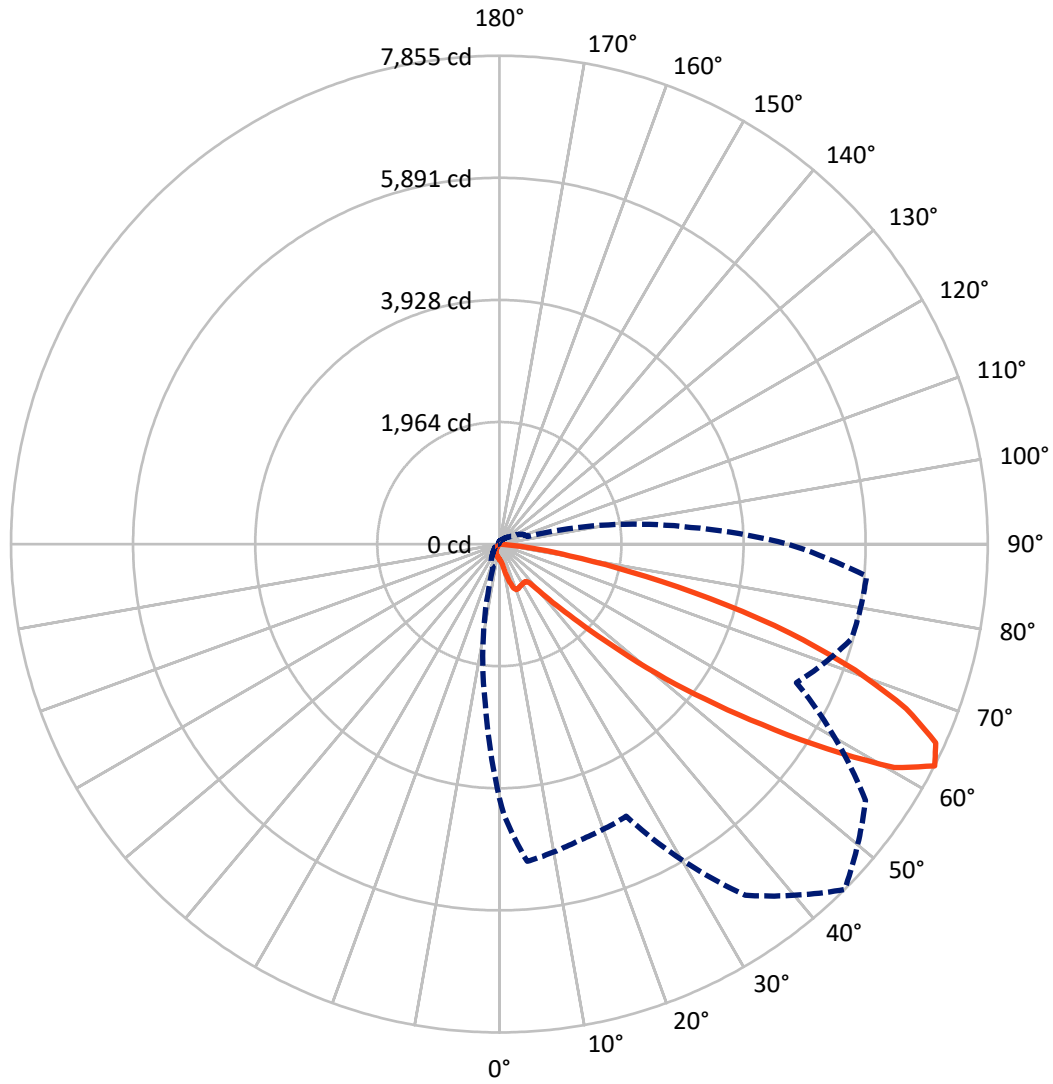
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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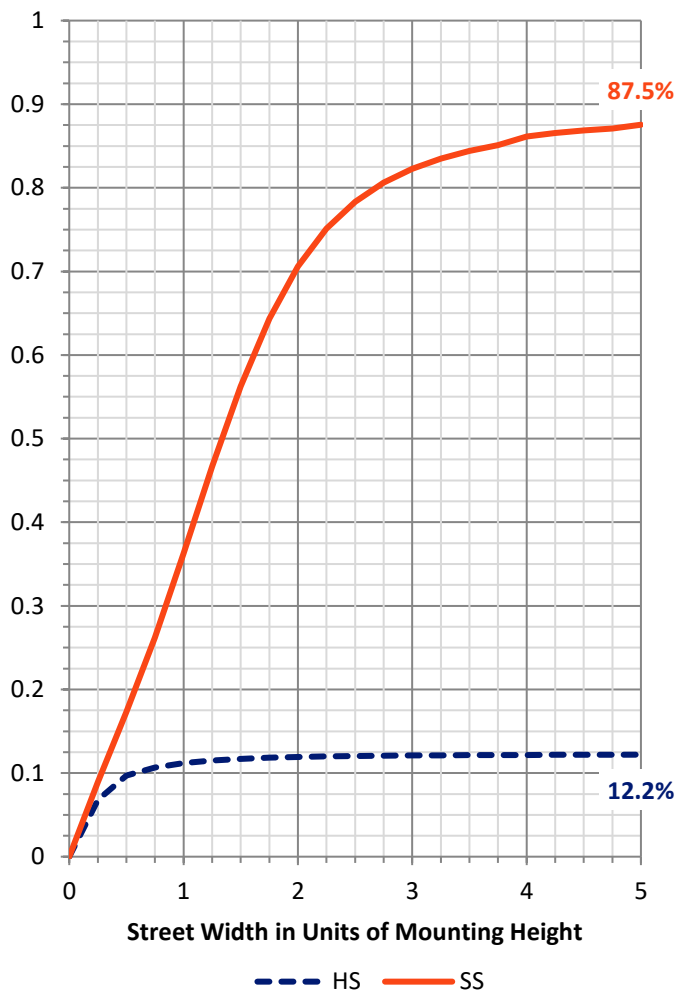
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	586.7	0.0	586.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	4168.1	0.0	4168.1
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	4754.8	0.0	4754.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.9	0.5
10°-20°	82.9	1.7
20°-30°	180.2	3.8
30°-40°	295.8	6.2
40°-50°	543.7	11.4
50°-60°	1167.7	24.6
60°-70°	1568.4	33.0
70°-80°	816.7	17.2
80°-90°	77.4	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°	4754.8	100.0
0°-180°	4754.8	100.0

**Coefficient of Utilization**



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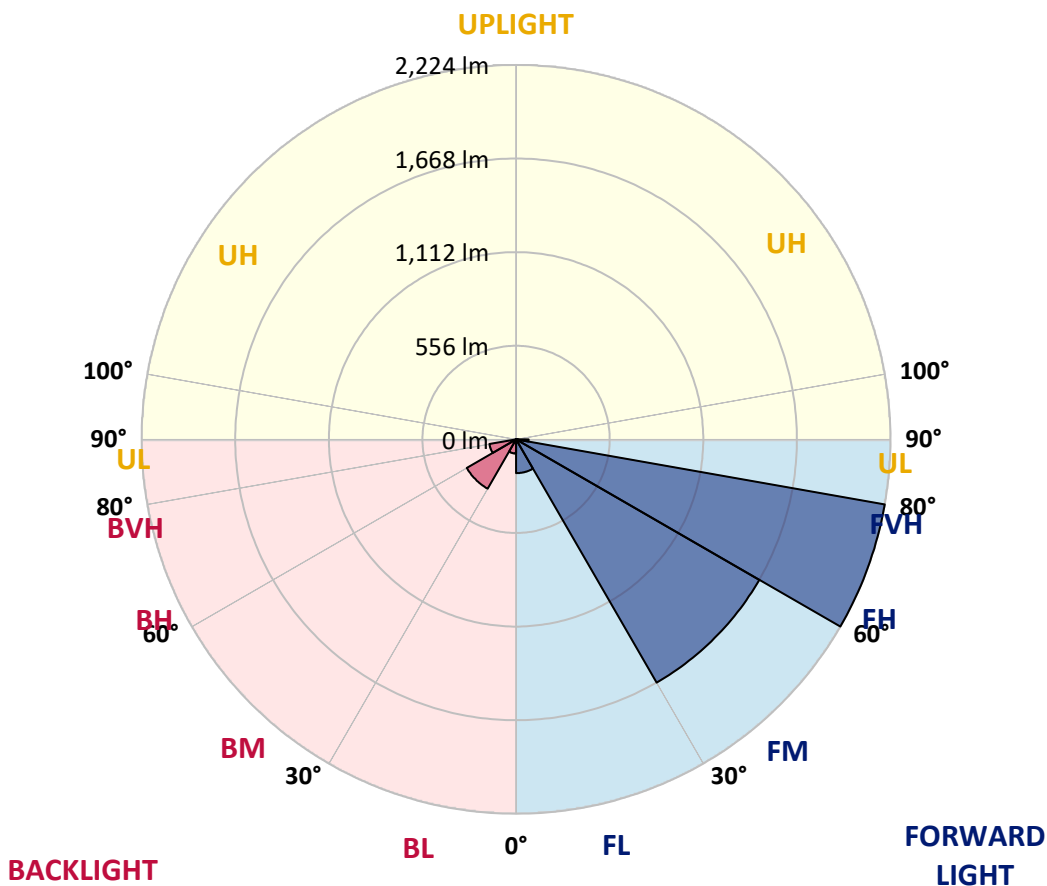
CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.9	4.2			
FM (30°-60°)	1668.9	35.1			
FH (60°-80°)	2224.3	46.8			G2/5000
FVH (80°-90°)	74.0	1.6			G1/100
BL (0°-30°)	84.2	1.8	B0/110		
BM (30°-60°)	338.3	7.1	B1/1000		
BH (60°-80°)	160.8	3.4	B1/500		G1/500
BVH (80°-90°)	3.4	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	252.1	253.2	254.3	258.1	260.9	263.1	263.6	262.0	258.1	254.3	248.8
5°	244.4	245.5	249.3	259.8	270.2	278.5	281.2	279.6	270.2	258.1	245.5
7.5°	243.9	246.1	255.4	277.4	299.9	316.9	321.3	317.5	299.9	275.7	249.9
10°	263.6	267.5	281.2	320.7	361.9	392.1	404.2	387.8	359.7	315.8	273.5
12.5°	315.3	321.8	348.2	405.9	469.6	509.7	526.2	505.8	461.9	398.2	331.2
15°	396.5	406.4	446.0	532.2	607.4	643.1	648.6	637.1	586.0	515.7	425.6
17.5°	511.3	525.6	587.1	675.0	729.4	742.0	740.4	728.3	690.9	642.6	557.5
20°	648.6	665.7	726.1	798.6	804.1	789.2	781.0	773.9	761.2	753.0	686.5
22.5°	787.0	807.9	871.1	889.2	839.8	796.9	776.6	782.1	800.8	841.4	814.5
25°	924.9	944.7	1004.0	955.1	856.2	784.8	759.0	772.2	816.7	904.6	939.2
27.5°	1085.8	1100.6	1135.8	1000.1	859.0	775.0	749.7	770.0	824.4	944.1	1075.9
30°	1253.3	1262.1	1245.1	1012.2	849.6	760.1	740.4	770.0	837.6	970.5	1178.6
32.5°	1376.4	1378.0	1322.5	1013.3	844.7	748.0	731.6	766.7	850.2	992.4	1278.0
35°	1503.2	1495.0	1396.7	1029.8	857.9	752.4	738.2	776.1	870.0	1018.3	1365.4
37.5°	1631.7	1616.9	1479.6	1056.7	891.9	800.2	791.4	823.8	901.8	1054.0	1461.5
40°	1763.6	1743.2	1565.8	1097.3	967.7	962.8	993.0	989.1	989.1	1099.5	1560.3
42.5°	1924.5	1900.9	1693.3	1212.1	1144.6	1255.0	1337.4	1286.3	1191.8	1204.4	1688.9
45°	2137.0	2116.7	1914.0	1431.8	1421.9	1675.7	1786.6	1685.6	1450.5	1446.7	1903.6
47.5°	2477.0	2473.1	2266.1	1686.7	1761.4	2211.2	2425.4	2230.9	1745.4	1703.1	2310.0
50°	2954.8	2943.3	2704.9	1985.4	2165.0	2874.6	3256.9	2932.8	2101.9	2002.5	2854.3
52.5°	3493.1	3505.1	3319.5	2311.7	2594.0	3612.8	4145.0	3736.9	2489.1	2383.1	3539.2
55°	4000.0	4069.2	4020.3	2693.4	3013.0	4427.8	5120.4	4619.0	2968.5	2881.2	4307.0
57.5°	4396.5	4591.5	4934.2	3248.1	3505.7	5381.3	6209.5	5575.2	3528.2	3690.2	5352.2
60°	4418.5	4676.6	5472.5	4408.6	4139.5	6199.1	7297.0	6509.4	4408.1	5063.8	6171.1
62.5°	4087.3	4364.1	5122.0	4935.9	4829.9	6894.9	7855.0	7190.4	5273.6	5868.4	5928.3
65°	3708.3	3987.9	4731.0	4337.8	4749.7	6865.3	7713.3	7206.3	5352.2	5321.4	5493.9
67.5°	3135.5	3386.5	4059.3	3839.6	4377.9	6534.1	7058.6	6752.1	4930.9	4977.1	5053.9
70°	2288.6	2530.3	3154.7	3165.7	3823.1	5937.1	6065.1	6022.8	4541.0	4589.9	4370.2
72.5°	1653.2	1856.9	2395.7	2596.2	3052.0	4978.7	4890.3	5053.4	3896.2	4087.9	3510.1
75°	1188.5	1341.2	1757.5	2258.4	2419.3	3697.4	3500.7	3913.8	3126.2	3520.0	2639.0
77.5°	482.2	536.0	691.5	1521.3	1590.0	2487.4	2143.1	2842.8	2228.7	2312.8	1279.1
80°	19.8	22.0	28.6	785.4	1090.2	1399.4	1146.8	1519.7	1471.9	931.5	302.1
82.5°	2.2	2.2	4.9	226.3	477.3	772.2	540.4	875.5	745.3	394.9	137.3
85°	0.5	0.5	1.1	25.8	112.0	123.6	73.0	268.6	346.6	161.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.9	5.5	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	248.8	246.1	242.8	239.5	237.8	233.4	231.8	230.7	229.6	230.1	230.1
5°	240.6	234.5	227.4	220.2	216.4	212.0	209.8	208.7	209.3	211.5	211.5
7.5°	239.5	227.9	212.5	203.2	198.8	195.5	193.3	192.2	192.8	195.5	196.6
10°	257.6	237.3	209.8	193.9	188.9	185.6	183.4	181.8	180.7	182.9	183.4
12.5°	296.6	268.6	223.0	192.8	184.0	179.6	177.9	174.7	173.0	174.1	174.7
15°	377.3	329.0	249.3	197.2	179.6	174.7	171.9	169.2	166.4	165.9	166.4
17.5°	482.8	413.6	289.4	207.6	176.3	170.3	166.4	162.6	158.7	158.2	157.6
20°	613.5	517.4	345.5	224.1	173.6	166.4	160.9	155.4	150.5	148.8	148.8
22.5°	732.7	642.6	417.4	244.4	169.7	160.9	154.3	147.7	142.2	139.5	139.0
25°	878.2	775.5	503.6	268.0	164.2	153.8	146.6	140.1	134.6	131.3	130.2
27.5°	1024.8	915.6	601.4	298.8	157.6	146.6	140.1	134.0	128.0	124.1	123.0
30°	1167.1	1066.6	711.2	337.2	152.7	139.5	134.0	128.0	122.5	116.4	114.8
32.5°	1319.8	1220.9	834.3	380.1	148.8	134.6	128.5	123.0	115.9	110.4	107.6
35°	1467.0	1380.2	969.9	421.8	145.0	130.2	123.6	118.1	110.4	104.4	100.5
37.5°	1615.3	1542.2	1111.6	447.1	139.5	124.1	118.1	113.7	104.9	97.8	93.4
40°	1772.3	1709.7	1264.9	436.6	134.6	117.5	114.2	109.3	99.4	91.2	85.7
42.5°	1944.8	1869.6	1420.8	396.5	130.2	112.0	108.7	103.8	94.5	84.6	77.4
45°	2161.7	2044.8	1548.8	336.1	132.4	106.5	100.0	98.9	90.1	77.4	68.7
47.5°	2534.7	2313.9	1648.2	297.1	147.2	100.5	92.8	95.6	86.2	70.3	60.4
50°	3105.3	2759.8	1741.0	294.4	169.7	97.8	86.2	93.4	82.4	63.2	53.3
52.5°	3649.0	3213.0	1800.4	318.5	189.5	104.9	79.6	90.6	79.6	58.2	48.3
55°	4169.1	3474.4	1694.4	336.1	208.2	126.3	74.7	86.2	76.3	55.5	46.7
57.5°	4729.9	3590.8	1334.1	371.8	221.3	144.4	75.8	79.6	71.9	53.8	46.1
60°	4897.4	3442.0	805.2	418.5	214.2	149.9	84.0	70.8	65.9	50.5	44.5
62.5°	4637.1	3088.8	475.1	381.2	208.2	141.7	96.1	65.4	59.9	46.1	41.2
65°	4247.7	2609.4	309.8	321.8	220.8	126.3	102.2	62.6	54.4	41.7	36.2
67.5°	3802.8	2101.9	216.9	190.0	203.8	113.7	86.2	62.1	48.9	35.2	29.7
70°	3203.1	1574.1	152.7	125.8	169.7	101.1	67.0	60.4	42.8	28.6	23.1
72.5°	2474.8	985.3	113.7	81.3	120.8	82.4	53.3	51.1	34.6	23.6	17.6
75°	1825.1	561.9	80.2	58.8	79.6	62.6	39.5	36.2	29.7	22.5	15.9
77.5°	952.9	281.2	50.0	45.0	45.6	39.0	28.6	26.4	27.5	22.5	14.8
80°	182.9	56.0	30.2	33.0	24.7	24.7	20.9	22.0	24.2	18.1	12.6
82.5°	76.3	12.1	16.5	18.7	15.4	17.0	17.0	17.6	17.0	13.2	9.3
85°	0.0	0.0	7.1	7.7	10.4	10.4	8.8	8.8	8.8	7.7	5.5
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	3.3	3.8	4.4	3.3	2.2
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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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	229.6	228.5	230.1	231.2	232.3	232.3	231.2	230.1	228.5	230.1	228.5
5°	212.0	213.6	216.4	217.5	218.6	216.4	215.3	212.0	209.3	209.8	208.7
7.5°	198.3	199.9	203.2	205.4	205.4	204.3	201.0	197.7	193.3	193.3	192.8
10°	185.6	187.8	191.7	194.4	195.5	194.4	191.1	186.7	182.9	182.9	181.2
12.5°	175.2	177.9	182.3	186.2	187.3	186.2	182.9	178.5	174.1	174.1	173.0
15°	166.4	169.7	174.7	179.0	180.7	179.0	175.2	169.7	165.3	165.9	164.2
17.5°	158.2	160.9	167.5	172.5	174.1	172.5	167.5	160.4	156.0	157.1	156.0
20°	148.8	152.1	158.7	164.2	165.9	164.2	158.7	151.0	146.6	146.6	147.2
22.5°	139.0	142.2	148.8	152.7	154.9	153.2	147.7	140.6	136.2	136.2	136.8
25°	130.2	131.8	136.8	140.6	141.2	139.5	135.1	129.6	126.3	128.0	128.5
27.5°	121.9	121.9	124.1	126.3	125.8	124.1	122.5	118.1	117.5	119.2	120.8
30°	113.1	110.4	109.3	107.6	107.1	106.5	108.2	108.2	109.3	111.5	113.1
32.5°	105.5	100.0	95.0	90.1	87.3	89.5	93.9	97.8	101.6	104.9	106.5
35°	96.7	87.9	79.6	73.0	68.7	71.9	79.1	86.2	92.8	97.2	100.0
37.5°	87.9	75.2	65.4	57.1	53.8	56.6	64.3	74.1	84.0	89.5	93.4
40°	78.5	62.6	51.1	44.5	41.2	43.9	51.6	61.5	74.7	81.8	86.8
42.5°	69.2	51.6	41.2	34.6	33.0	34.6	40.6	50.5	64.8	73.6	80.2
45°	59.9	42.8	33.0	28.0	26.4	28.0	33.0	41.2	55.5	65.4	73.0
47.5°	51.6	36.2	27.5	23.1	22.0	23.6	27.5	34.6	46.7	56.6	65.4
50°	45.0	31.9	23.6	19.8	18.7	20.3	23.6	29.1	39.5	48.3	57.7
52.5°	40.6	29.7	20.9	17.0	16.5	17.6	20.3	24.7	33.5	41.2	50.0
55°	39.5	29.7	19.2	15.4	14.8	15.9	18.1	21.4	29.1	35.7	43.4
57.5°	40.6	31.9	18.1	13.2	12.6	13.7	15.9	18.7	25.3	30.8	37.9
60°	40.6	32.4	15.9	10.4	9.9	11.0	13.2	16.5	22.5	26.9	33.0
62.5°	36.8	29.7	13.2	8.2	7.1	8.2	11.0	13.7	19.8	24.2	29.1
65°	31.9	25.3	11.0	6.0	4.9	6.0	8.8	11.5	17.0	20.9	26.4
67.5°	25.8	19.2	8.2	4.4	3.3	4.4	6.6	9.3	14.3	18.1	23.6
70°	19.2	13.7	6.6	3.8	3.3	3.8	6.0	8.8	12.6	16.5	22.0
72.5°	14.3	9.3	5.5	3.8	2.7	3.8	5.5	8.2	12.1	15.9	20.9
75°	12.1	7.7	4.9	3.3	2.7	3.3	4.9	7.7	11.0	14.8	19.8
77.5°	11.5	7.1	4.4	2.7	2.2	2.7	4.4	6.6	9.9	13.7	19.2
80°	9.9	6.0	3.8	2.2	1.6	2.2	3.8	5.5	7.7	10.4	14.8
82.5°	7.7	4.9	2.7	1.1	0.5	1.1	2.7	3.3	4.9	6.0	8.8
85°	4.9	2.7	1.1	0.0	0.0	0.0	1.1	2.2	2.2	2.7	4.4
87.5°	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6
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-SA3B-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	231.8	232.3	233.4	235.1	238.9	242.2	245.5	249.9	252.1	252.1
5°	209.8	210.4	210.9	213.1	218.6	223.0	230.1	238.9	243.3	244.4
7.5°	192.8	193.9	195.0	196.6	202.1	208.2	217.5	234.0	242.2	243.9
10°	182.9	184.5	186.7	190.0	195.0	201.6	217.5	247.2	260.9	263.6
12.5°	175.2	177.9	180.1	184.0	190.0	200.5	232.3	284.5	308.7	315.3
15°	167.5	170.8	174.1	177.9	184.5	204.3	260.9	351.5	391.6	396.5
17.5°	159.8	163.7	168.1	172.5	180.7	213.6	305.9	444.3	500.3	511.3
20°	151.0	156.0	162.0	167.5	176.8	228.5	368.5	554.7	625.0	648.6
22.5°	141.7	147.7	154.9	162.0	172.5	246.6	444.3	673.3	771.7	787.0
25°	134.0	140.1	146.6	153.8	165.3	268.6	536.0	820.5	910.1	924.9
27.5°	126.9	132.9	139.0	145.5	158.2	297.1	646.4	977.1	1070.4	1085.8
30°	119.2	126.3	132.4	139.0	151.6	332.3	773.9	1150.6	1239.0	1253.3
32.5°	112.6	119.7	125.8	132.4	146.6	370.7	907.9	1304.4	1376.4	1376.4
35°	107.1	114.8	119.2	128.0	142.8	395.4	1034.7	1451.0	1505.4	1503.2
37.5°	101.1	110.4	113.7	119.7	137.9	398.2	1153.9	1605.9	1646.0	1631.7
40°	95.0	104.9	109.8	113.1	132.4	375.7	1284.6	1748.2	1782.2	1763.6
42.5°	89.5	97.2	104.4	108.2	129.1	336.1	1389.5	1900.3	1941.0	1924.5
45°	84.0	90.6	95.0	102.2	131.3	308.7	1479.6	2077.7	2149.1	2137.0
47.5°	78.5	84.0	86.8	97.8	146.1	296.0	1534.5	2352.3	2486.9	2477.0
50°	72.5	79.1	79.1	96.7	168.1	300.4	1582.3	2750.0	2958.1	2954.8
52.5°	66.5	73.6	72.5	104.9	185.1	320.7	1636.7	3100.9	3462.8	3493.1
55°	60.4	67.0	68.1	121.4	195.0	338.3	1426.3	3248.7	3894.0	4000.0
57.5°	53.8	57.7	70.8	134.0	191.7	389.4	977.1	3275.6	4169.1	4396.5
60°	46.7	50.0	80.2	131.3	181.2	359.7	615.1	3033.9	4130.2	4418.5
62.5°	40.6	46.1	84.6	115.9	184.5	312.0	392.1	2585.7	3758.3	4087.3
65°	35.7	44.5	76.9	104.9	186.7	211.5	264.7	2103.5	3395.3	3708.3
67.5°	31.9	49.4	63.2	93.4	160.4	148.8	181.8	1634.5	2854.9	3135.5
70°	29.1	50.5	51.6	80.2	124.1	95.6	119.7	1100.1	1967.9	2288.6
72.5°	26.4	37.3	39.0	64.3	80.2	58.2	77.4	629.4	1434.6	1653.2
75°	25.3	25.3	26.9	41.7	44.5	42.3	50.0	375.7	1028.7	1188.5
77.5°	23.6	19.2	17.0	26.9	24.2	30.2	29.7	167.0	446.0	482.2
80°	18.7	13.7	11.5	17.0	16.5	20.3	17.6	13.7	20.3	19.8
82.5°	11.5	8.8	8.2	10.4	9.3	10.4	8.2	2.2	2.2	2.2
85°	5.5	4.9	4.4	4.4	4.9	4.4	3.3	1.1	0.5	0.5
87.5°	2.7	2.7	2.2	1.6	2.2	2.2	1.6	0.5	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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