

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: P629627

Luminaire Tested: GWS-SA1C-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629627  
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

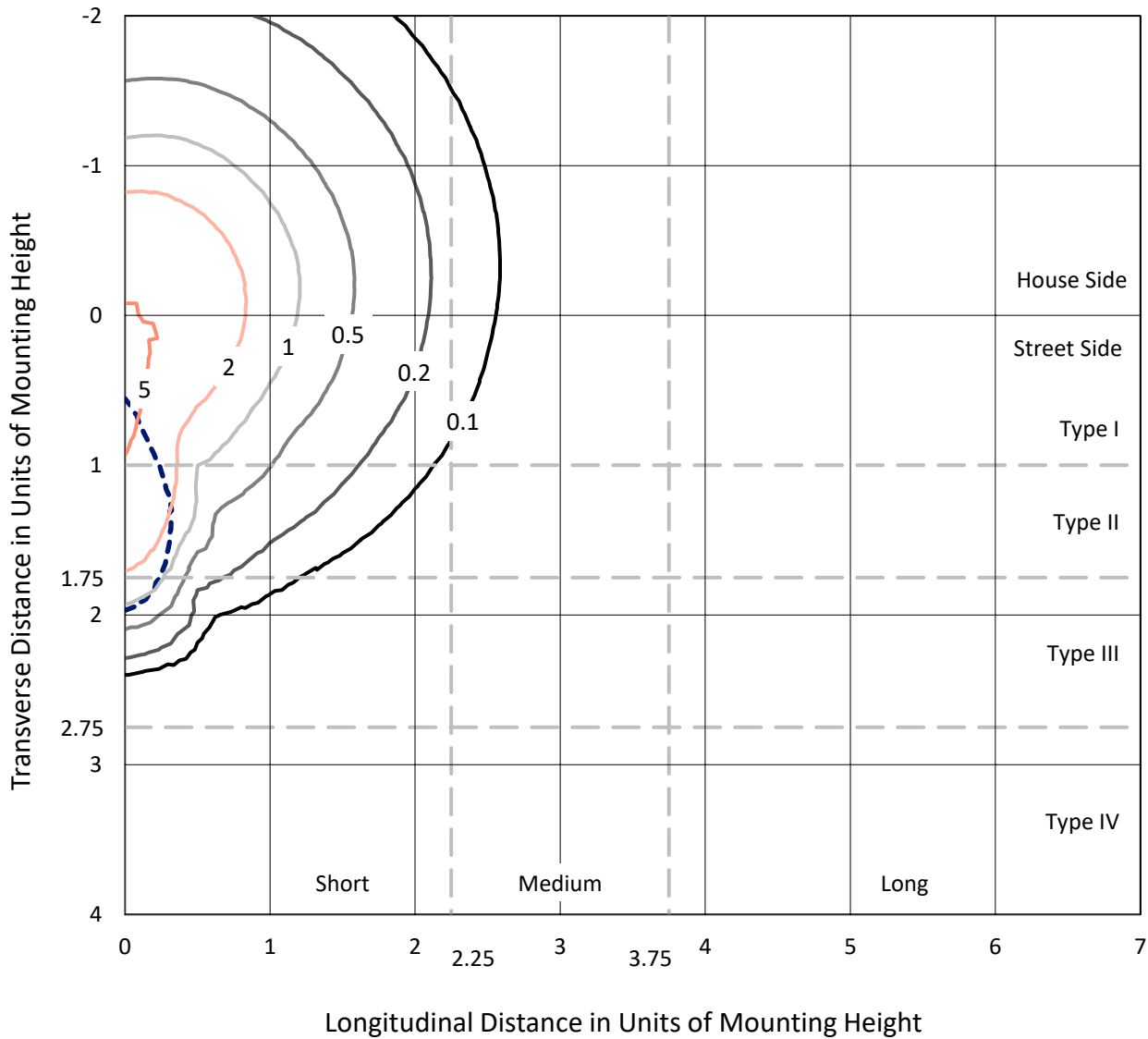
Lumens per Lamp: N/A  
Luminaire Lumens: 2755.8 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

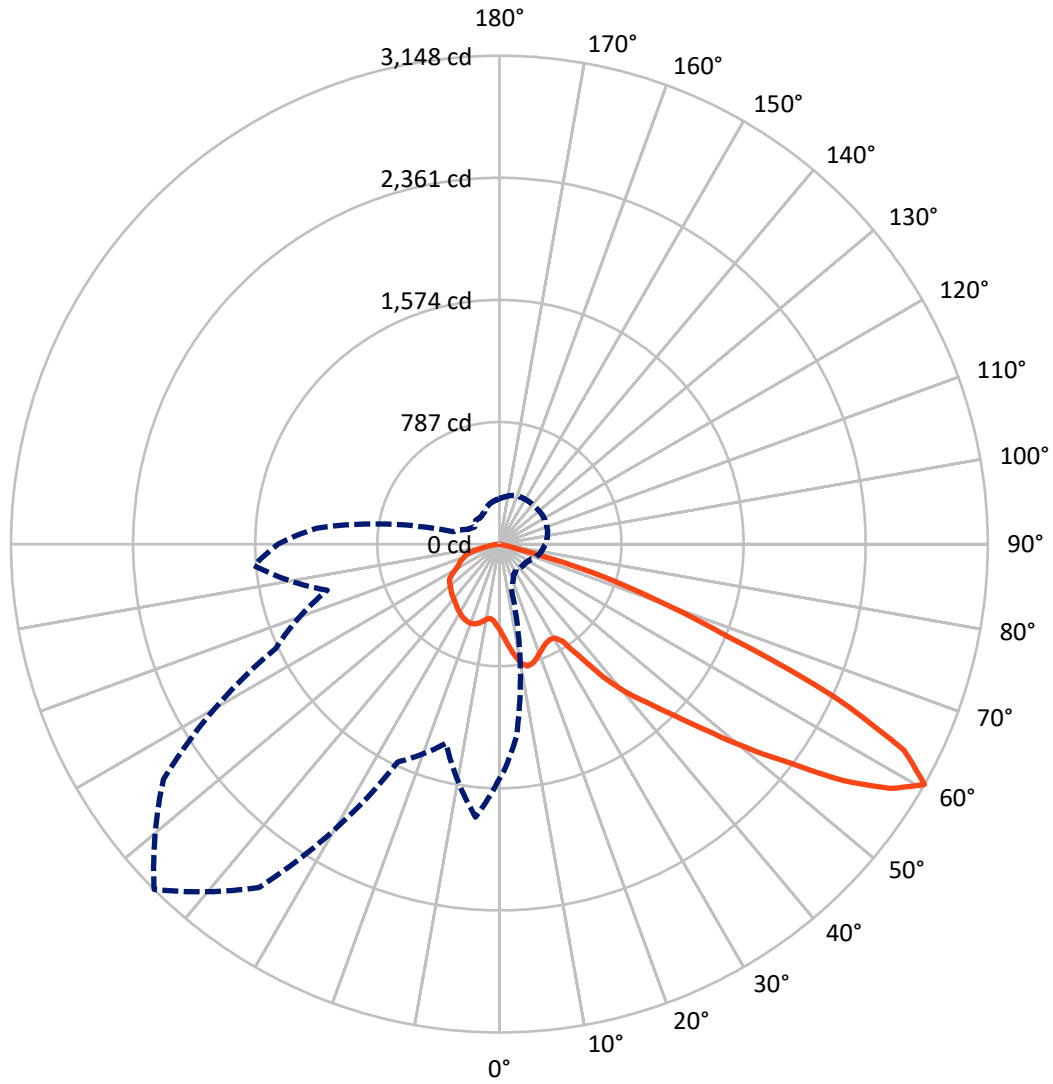
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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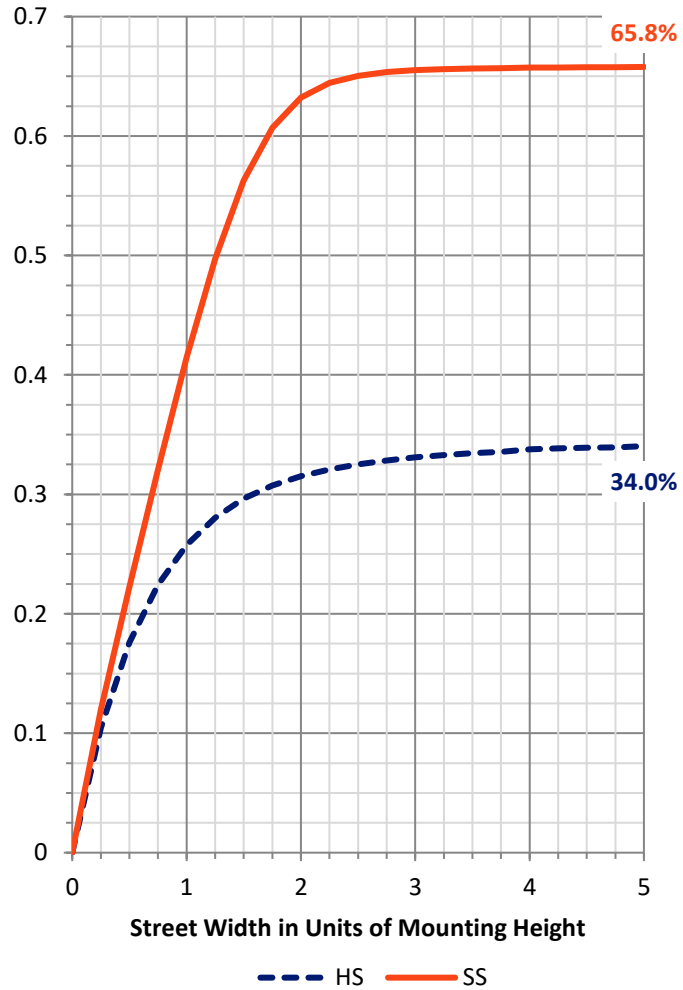
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	942.7	0.0	942.7
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	1813.1	0.0	1813.1
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	2755.8	0.0	2755.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	2.0
10°-20°	174.2	6.3
20°-30°	283.7	10.3
30°-40°	398.5	14.5
40°-50°	545.3	19.8
50°-60°	699.6	25.4
60°-70°	471.1	17.1
70°-80°	117.8	4.3
80°-90°	11.5	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°	2755.8	100.0
0°-180°	2755.8	100.0

**Coefficient of Utilization**



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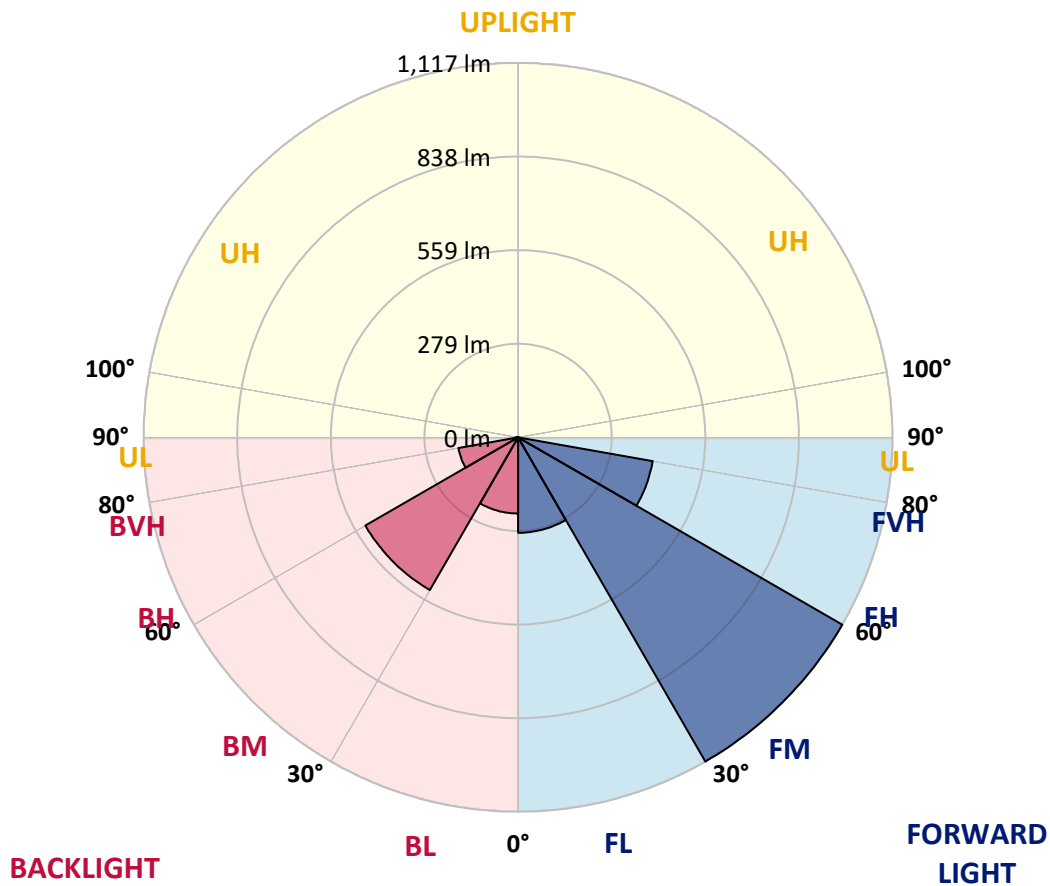
CATALOG NUMBER: GWS-SA1C-722-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.9	10.3			
FM (30°-60°)	1117.2	40.5			
FH (60°-80°)	408.0	14.8			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	227.3	8.2	B1/500		
BM (30°-60°)	526.1	19.1	B1/1000		
BH (60°-80°)	180.9	6.6	B1/500		G1/500
BVH (80°-90°)	8.5	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°	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8
2.5°	588.0	586.8	585.5	575.6	573.1	566.0	560.9	554.5	545.4	540.3	536.0
5°	624.8	622.8	616.0	595.7	582.5	568.0	556.1	542.9	528.9	519.8	512.7
7.5°	659.6	659.1	647.4	613.9	592.6	571.8	555.6	536.3	516.2	502.5	493.4
10°	691.9	688.0	674.1	630.4	602.5	578.7	561.1	539.8	516.5	497.9	485.8
12.5°	720.3	715.5	696.2	645.7	611.1	581.7	562.7	545.2	529.7	514.2	500.2
15°	743.6	737.8	718.2	659.9	618.8	579.9	553.3	539.6	544.9	551.8	536.3
17.5°	765.5	759.4	735.5	670.3	621.0	569.0	530.2	524.3	551.2	582.5	575.4
20°	783.7	776.9	749.2	675.4	617.0	548.2	500.2	510.4	545.9	583.2	594.6
22.5°	803.5	797.9	764.7	682.7	611.9	519.5	475.1	500.0	536.8	569.5	586.8
25°	835.2	828.4	788.8	695.7	609.4	492.6	457.1	489.8	524.1	553.8	567.2
27.5°	881.2	868.5	821.8	718.2	612.2	467.2	445.7	477.4	509.4	534.8	545.7
30°	931.2	916.0	858.3	741.6	616.2	451.8	439.6	463.2	486.8	512.2	524.1
32.5°	990.3	976.9	897.4	759.1	607.6	444.7	435.0	447.7	466.5	486.8	496.7
35°	1060.9	1036.8	940.1	773.3	579.7	434.2	430.9	430.7	440.6	460.4	471.6
37.5°	1136.8	1110.9	992.6	788.5	536.3	417.7	421.3	410.6	419.8	435.5	448.2
40°	1198.9	1171.8	1045.6	809.4	482.0	391.9	400.0	388.6	394.1	410.4	424.6
42.5°	1259.8	1230.9	1095.1	833.0	429.4	366.5	370.5	366.2	368.0	385.0	404.8
45°	1339.8	1307.3	1156.0	849.7	382.2	346.4	342.6	335.3	344.7	366.7	387.8
47.5°	1473.3	1434.5	1255.8	860.6	348.0	335.0	317.5	313.2	324.9	349.5	371.3
50°	1629.4	1595.9	1415.2	860.1	322.3	325.4	293.1	289.3	308.6	333.5	356.6
52.5°	1757.3	1723.3	1551.5	834.7	301.3	304.8	278.9	268.3	294.7	317.8	340.8
55°	1860.6	1822.3	1614.1	728.7	274.6	272.1	263.4	243.9	277.1	302.0	323.6
57.5°	1805.0	1759.3	1538.3	554.0	247.2	231.2	236.8	222.3	253.3	284.5	305.3
60°	1513.4	1472.3	1249.7	294.9	217.5	193.1	204.8	207.1	227.1	263.4	284.8
62.5°	1039.6	1009.6	846.9	178.9	171.6	155.1	173.3	189.8	204.8	235.5	254.1
65°	508.6	499.7	423.6	114.7	120.0	125.4	143.6	163.7	185.8	212.7	232.2
67.5°	140.1	141.1	128.4	89.6	94.7	109.4	123.9	139.8	161.9	186.8	206.6
70°	61.7	62.7	64.7	69.0	78.7	92.1	107.1	123.6	143.9	164.7	183.7
72.5°	42.9	43.9	47.0	52.5	61.2	73.9	88.1	103.8	124.9	142.4	158.1
75°	26.4	27.2	29.9	34.8	40.6	50.3	64.2	78.7	97.2	113.2	127.2
77.5°	14.0	13.5	15.2	18.5	23.6	28.7	38.1	47.2	60.4	73.3	85.0
80°	7.6	7.4	8.4	10.2	11.7	15.7	22.1	28.2	35.8	43.1	49.5
82.5°	3.3	3.0	3.3	4.3	5.3	7.6	11.2	15.5	19.8	24.9	28.9
85°	0.0	0.0	0.0	0.3	1.3	2.0	3.8	5.6	8.1	11.2	13.7
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°	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8
2.5°	533.5	527.1	526.6	521.6	522.1	522.3	517.2	515.2	517.0	519.0	518.0
5°	510.1	503.5	500.7	495.9	495.4	493.1	491.1	488.6	490.3	492.1	493.1
7.5°	489.8	485.5	483.7	482.5	483.0	482.0	477.9	475.6	475.4	476.1	477.1
10°	483.2	479.7	482.0	485.5	488.1	489.8	485.5	481.7	478.2	476.6	476.6
12.5°	497.4	492.9	497.4	501.2	506.3	507.6	502.8	498.7	497.4	499.0	502.0
15°	528.9	518.3	518.0	520.3	524.3	526.4	521.8	519.8	519.8	529.4	537.0
17.5°	560.4	542.9	535.5	534.2	536.8	537.5	533.7	532.0	536.5	555.3	569.5
20°	582.5	561.1	545.2	542.1	542.9	543.1	540.1	538.8	545.4	568.3	580.2
22.5°	580.2	564.4	544.9	541.1	542.4	541.9	539.1	538.6	543.9	563.7	569.3
25°	564.4	552.3	535.8	533.2	535.3	535.0	532.2	530.9	533.2	546.4	546.9
27.5°	546.4	535.8	521.6	520.8	524.1	525.9	521.0	517.2	516.5	525.4	523.3
30°	524.9	517.0	505.6	506.1	512.2	513.2	507.3	501.8	500.2	505.1	502.3
32.5°	499.2	496.7	490.6	491.9	497.7	499.7	493.6	487.8	486.0	487.5	481.7
35°	477.4	476.4	476.9	479.2	484.2	485.8	480.7	476.1	473.6	468.3	460.6
37.5°	454.8	457.6	465.0	469.3	472.1	471.6	468.8	465.5	461.4	451.5	442.1
40°	433.7	440.8	454.0	458.9	459.9	460.1	458.1	455.3	450.2	437.0	426.4
42.5°	417.5	425.4	442.9	450.2	450.7	451.3	449.2	446.9	439.8	422.3	411.9
45°	400.5	410.9	431.5	440.3	439.8	439.6	437.8	436.8	428.4	408.1	396.7
47.5°	386.0	398.2	420.3	427.9	427.6	427.4	426.1	426.1	417.7	395.7	382.7
50°	371.8	385.8	408.9	415.2	415.7	415.2	414.7	415.5	405.6	382.0	369.3
52.5°	356.3	372.1	396.2	402.0	405.1	406.3	406.3	404.6	392.9	368.3	354.3
55°	339.3	354.3	382.2	390.1	392.6	394.9	394.9	391.4	380.4	355.6	340.6
57.5°	318.3	331.5	353.5	361.4	367.5	369.0	369.0	363.2	354.3	330.4	318.3
60°	295.4	306.8	321.8	330.2	334.8	331.7	334.0	332.5	325.4	303.3	293.1
62.5°	265.0	276.6	293.1	301.8	303.8	300.7	303.8	303.5	293.9	274.1	261.9
65°	243.1	254.6	270.8	282.0	285.3	284.5	286.5	283.5	271.6	252.8	241.1
67.5°	217.3	229.4	248.2	260.6	267.5	268.3	271.1	264.7	252.5	232.0	217.3
70°	192.6	203.0	217.5	229.2	238.8	243.6	244.2	235.0	219.8	202.8	192.1
72.5°	166.7	177.4	194.9	207.6	219.8	225.4	225.4	214.2	197.7	178.9	167.5
75°	135.3	145.2	161.2	174.9	188.8	195.9	195.7	186.0	167.8	150.0	138.1
77.5°	91.6	99.0	109.1	119.5	121.6	127.2	129.9	117.8	107.6	98.0	87.3
80°	53.3	57.9	63.4	69.3	70.6	72.3	67.8	63.2	57.9	51.5	46.7
82.5°	31.2	34.3	37.1	41.6	42.4	42.9	38.8	36.8	32.5	28.7	25.6
85°	15.2	16.2	18.8	21.1	20.0	19.5	17.8	15.7	14.0	12.4	10.9
87.5°	3.0	3.0	4.6	4.3	3.6	3.0	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°	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8
2.5°	521.3	525.6	530.9	538.0	546.2	554.8	563.2	569.5	575.9	585.3	583.7
5°	494.7	502.0	510.4	521.3	534.5	549.5	566.2	583.0	601.0	616.2	622.8
7.5°	479.2	487.3	497.2	511.4	528.4	546.7	570.3	597.4	626.6	646.7	659.1
10°	479.2	489.6	502.5	516.2	531.2	550.0	579.2	613.2	650.7	677.1	691.6
12.5°	506.8	517.2	520.0	519.5	527.9	548.7	586.3	629.7	674.6	702.5	720.3
15°	550.0	553.5	532.5	513.2	514.4	539.6	589.6	642.9	695.2	728.7	747.9
17.5°	578.9	569.5	532.0	498.2	491.1	524.1	589.6	655.6	717.0	754.8	772.8
20°	581.2	557.8	519.0	483.7	465.5	503.5	585.5	665.2	738.0	779.9	799.2
22.5°	561.1	538.0	505.3	471.3	444.4	478.7	578.9	672.6	756.1	803.5	827.4
25°	538.3	519.0	491.4	458.6	429.9	453.5	572.8	685.0	781.2	835.5	859.6
27.5°	516.0	499.7	474.6	448.0	421.8	431.7	569.0	703.3	811.1	880.9	901.7
30°	494.1	479.4	456.6	437.8	417.5	417.5	565.7	724.3	850.7	931.9	952.8
32.5°	472.1	458.1	439.6	427.9	415.0	411.9	556.6	744.1	891.6	987.8	1009.1
35°	451.5	437.5	423.3	418.5	413.7	407.6	534.0	759.6	931.4	1053.0	1071.3
37.5°	432.2	418.8	408.1	406.8	407.3	395.9	498.5	772.6	981.2	1119.8	1129.4
40°	415.5	400.5	392.1	391.9	394.4	377.1	453.5	791.1	1038.0	1176.3	1172.3
42.5°	400.5	384.8	374.6	376.9	375.4	358.4	409.6	808.1	1087.5	1229.4	1221.3
45°	385.8	370.5	356.3	359.6	357.9	346.7	372.3	820.5	1142.3	1293.1	1294.1
47.5°	371.6	356.6	342.4	338.3	338.1	343.1	343.6	824.6	1231.7	1395.6	1372.5
50°	358.4	343.4	328.7	315.0	320.3	336.0	322.3	821.5	1365.4	1508.8	1444.4
52.5°	344.7	330.4	314.2	289.6	303.5	319.0	303.3	810.6	1447.2	1608.8	1570.2
55°	328.9	315.5	293.4	263.4	280.4	283.7	283.7	705.0	1481.9	1707.8	1731.7
57.5°	307.9	290.1	255.1	231.0	246.2	233.5	262.9	493.4	1424.6	1676.6	1769.2
60°	284.0	265.0	227.9	210.7	215.2	192.9	224.1	309.4	1180.7	1426.6	1587.0
62.5°	252.5	235.0	204.3	190.9	181.5	157.4	180.4	195.7	809.4	1059.3	1168.7
65°	231.5	212.2	184.8	167.0	147.7	126.6	119.8	128.4	435.3	592.9	666.7
67.5°	206.6	187.6	161.7	139.3	123.9	108.6	96.7	93.7	149.2	197.5	213.7
70°	183.0	164.7	143.1	122.3	106.8	91.9	80.2	71.8	69.0	68.5	67.5
72.5°	158.9	141.9	123.9	104.6	87.6	73.9	63.4	53.8	49.7	48.5	47.2
75°	130.2	116.7	98.7	77.9	64.2	51.5	43.4	37.1	33.5	32.2	30.7
77.5°	83.8	77.7	61.9	50.3	38.8	30.7	26.4	22.3	20.0	19.5	18.3
80°	44.7	41.6	34.3	28.9	23.1	18.8	16.5	14.2	12.9	12.4	11.9
82.5°	24.9	22.6	19.0	16.8	13.5	11.4	10.2	9.1	8.4	8.1	7.9
85°	11.2	9.6	7.6	7.1	6.3	5.8	5.6	5.1	4.8	4.6	4.3
87.5°	0.5	1.0	1.3	1.0	1.0	1.5	1.8	1.8	1.5	1.5	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-SA1C-722-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8	555.8
2.5°	593.1	600.7	601.5	604.0	600.7	600.0	594.6	591.6	588.8	588.0
5°	639.3	654.5	660.6	664.9	660.9	658.9	647.2	635.0	628.1	624.8
7.5°	686.8	709.6	721.5	726.9	727.4	718.2	698.2	675.4	663.9	659.6
10°	729.2	757.3	773.1	783.2	779.7	768.5	741.1	710.1	695.7	691.9
12.5°	760.6	787.5	799.7	806.3	806.1	800.0	774.1	740.6	724.1	720.3
15°	780.9	796.9	797.7	799.2	803.5	811.6	798.2	767.2	749.0	743.6
17.5°	796.9	790.6	778.6	774.6	784.2	806.8	814.9	789.8	770.0	765.5
20°	807.1	775.1	754.0	746.2	757.3	794.1	825.1	810.1	789.6	783.7
22.5°	814.9	760.6	726.6	721.3	733.0	780.4	835.5	834.2	811.6	803.5
25°	827.4	751.0	707.3	703.5	714.4	773.8	849.5	867.0	846.9	835.2
27.5°	846.9	750.0	697.4	696.2	711.1	779.7	869.5	914.9	889.8	881.2
30°	874.1	759.6	699.7	702.3	720.5	800.7	900.7	969.8	944.6	931.2
32.5°	913.2	785.5	734.5	745.4	758.9	834.5	946.4	1029.1	1010.1	990.3
35°	964.7	856.6	837.3	883.7	871.0	908.3	1001.5	1101.2	1078.1	1060.9
37.5°	1033.5	1002.2	1020.0	1084.0	1053.3	1047.9	1068.7	1166.7	1154.0	1136.8
40°	1129.9	1136.2	1169.0	1253.0	1208.6	1174.3	1151.2	1215.9	1220.3	1198.9
42.5°	1193.9	1223.0	1302.0	1397.4	1336.2	1254.3	1220.3	1278.9	1279.1	1259.8
45°	1217.7	1294.1	1459.1	1569.0	1466.7	1299.9	1258.3	1364.4	1361.9	1339.8
47.5°	1209.1	1354.0	1622.3	1790.3	1634.2	1332.4	1253.0	1486.2	1506.8	1473.3
50°	1191.1	1414.2	1812.9	2061.3	1839.8	1367.0	1244.9	1621.3	1655.3	1629.4
52.5°	1209.3	1481.2	2038.2	2341.5	2097.6	1422.0	1299.7	1794.6	1788.5	1757.3
55°	1267.2	1560.3	2312.1	2693.5	2380.9	1515.2	1440.6	1959.8	1897.9	1860.6
57.5°	1264.4	1616.9	2552.2	2972.0	2627.3	1591.6	1489.5	1977.3	1852.2	1805.0
60°	1147.7	1591.1	2643.6	3148.1	2701.7	1549.4	1328.4	1766.2	1562.9	1513.4
62.5°	856.6	1411.9	2466.4	2927.5	2491.3	1338.3	998.9	1267.7	1123.1	1039.6
65°	547.9	1104.5	2073.5	2371.7	2053.5	1023.6	594.9	679.7	532.5	508.6
67.5°	233.2	779.7	1611.9	1585.2	1536.2	663.2	229.7	191.4	142.6	140.1
70°	77.2	530.4	993.6	1057.3	917.5	456.8	75.9	64.2	64.0	61.7
72.5°	50.5	284.8	559.4	622.8	590.3	262.9	45.9	42.9	43.9	42.9
75°	30.2	61.9	94.2	122.3	94.2	44.2	27.7	27.2	27.7	26.4
77.5°	17.8	17.3	16.8	16.8	16.5	15.2	14.0	13.5	13.7	14.0
80°	11.4	10.9	10.4	10.2	8.9	8.4	7.9	7.4	7.4	7.6
82.5°	7.4	6.9	6.3	5.6	4.6	3.8	3.6	3.0	3.0	3.3
85°	3.8	3.0	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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