

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: P629626

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629626  
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

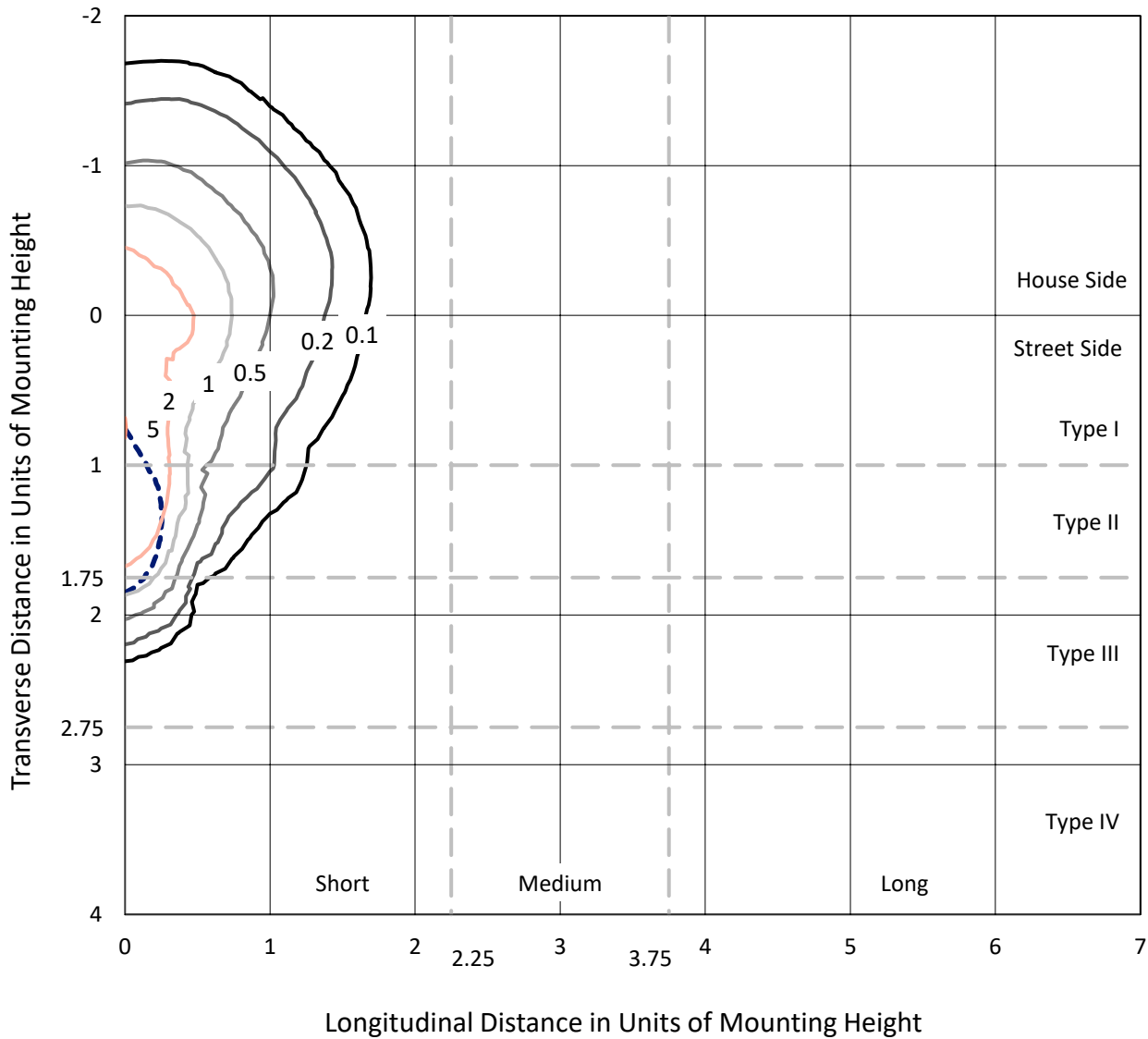
Lumens per Lamp: N/A  
Luminaire Lumens: 1898.5 lumens  
Efficiency: N/A  
Efficacy: 55.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

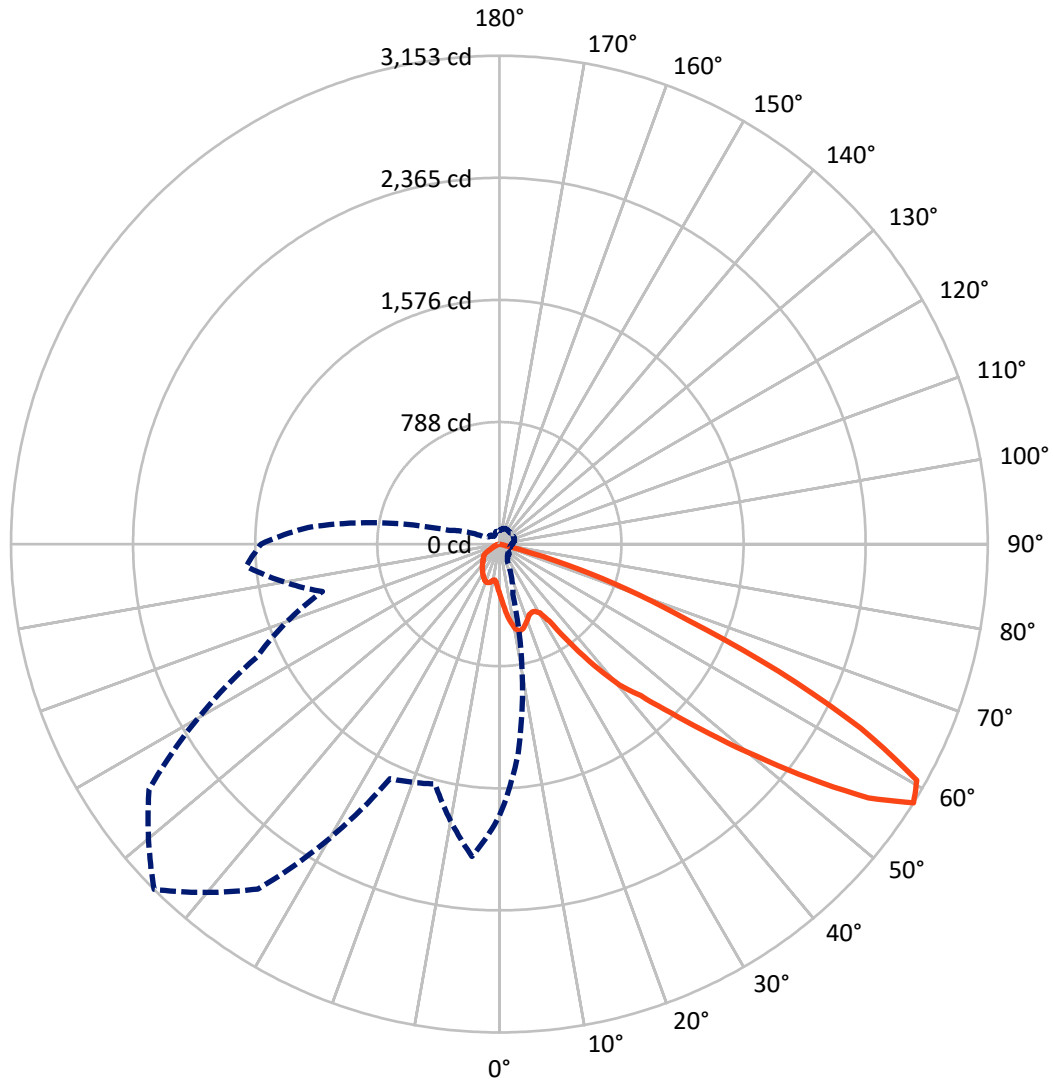
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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	409.0	0.0	409.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	1489.5	0.0	1489.5
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	1898.5	0.0	1898.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.9	1.7
10°-20°	104.9	5.5
20°-30°	170.3	9.0
30°-40°	261.3	13.8
40°-50°	417.3	22.0
50°-60°	584.3	30.8
60°-70°	299.6	15.8
70°-80°	28.8	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°	1898.5	100.0
0°-180°	1898.5	100.0

**Coefficient of Utilization**



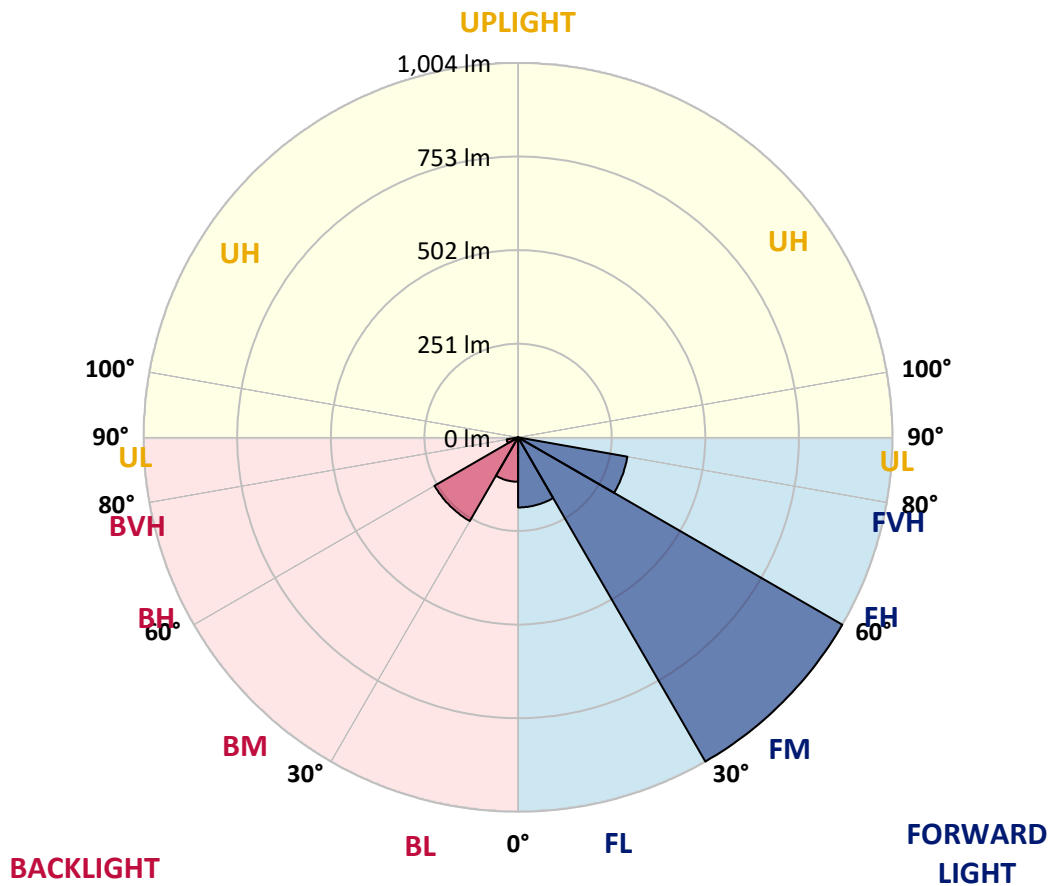
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.0	9.9			
FM (30°-60°)	1004.0	52.9			
FH (60°-80°)	297.6	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	119.1	6.3	B1/500		
BM (30°-60°)	259.0	13.6	B1/1000		
BH (60°-80°)	30.9	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: B1-U0-G0**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	358.4	357.6	355.1	346.4	341.1	332.7	326.6	318.8	310.1	304.8	299.5
5°	396.4	394.4	387.6	367.8	352.5	336.0	322.8	308.4	292.9	282.7	273.3
7.5°	433.0	429.9	420.8	387.3	364.2	340.6	321.8	300.8	278.9	263.7	252.0
10°	468.8	461.9	447.5	406.3	375.1	346.7	324.6	300.5	274.9	255.6	242.6
12.5°	498.2	493.1	473.3	424.4	384.3	348.0	320.8	298.5	281.2	268.3	256.3
15°	523.6	518.0	499.2	440.6	392.1	342.9	304.8	285.3	288.1	293.1	283.0
17.5°	546.9	541.1	520.8	454.1	395.2	330.5	282.5	273.1	288.6	307.6	303.8
20°	571.1	564.5	539.6	465.0	394.2	310.9	259.9	262.7	284.5	306.3	308.4
22.5°	599.2	592.4	563.4	478.9	393.4	287.6	240.4	253.5	276.9	295.4	299.0
25°	636.5	628.4	596.7	499.5	395.4	266.2	226.4	244.7	264.0	280.7	282.7
27.5°	685.8	675.4	635.0	524.9	399.7	249.5	220.3	232.5	247.5	262.4	264.2
30°	750.0	736.8	678.9	546.9	397.7	237.8	216.2	220.3	229.2	241.4	241.6
32.5°	825.1	807.1	728.2	566.0	380.2	229.2	210.7	207.9	209.9	219.3	221.1
35°	913.4	890.1	782.5	584.0	348.2	212.4	200.5	191.1	190.4	194.9	199.2
37.5°	1014.7	986.8	851.0	607.1	310.4	194.9	185.5	176.1	172.1	174.4	181.0
40°	1108.1	1077.1	922.6	635.0	271.8	179.2	168.0	158.4	153.6	154.3	162.4
42.5°	1217.7	1185.8	1010.1	671.6	239.8	168.5	149.7	139.8	133.5	137.1	146.4
45°	1384.2	1347.9	1137.8	703.3	214.5	166.0	133.8	119.8	116.7	122.8	134.0
47.5°	1611.6	1567.2	1313.2	722.6	192.9	168.3	122.6	103.6	104.3	111.2	122.3
50°	1837.3	1789.3	1516.0	697.2	175.1	163.7	117.0	90.9	95.7	101.8	111.9
52.5°	1992.4	1929.9	1614.7	623.8	158.9	146.4	116.5	78.9	88.1	90.1	98.7
55°	1998.4	1921.5	1564.2	491.9	136.8	123.6	111.2	69.0	79.7	80.5	87.8
57.5°	1751.7	1682.2	1367.0	337.8	121.6	90.6	88.6	60.4	65.5	71.8	76.4
60°	1332.7	1273.6	1022.3	154.8	92.4	57.6	60.7	52.0	49.0	58.4	62.9
62.5°	816.2	778.4	613.2	68.5	58.9	30.7	36.8	41.4	36.8	40.4	44.2
65°	324.1	307.4	232.7	29.2	24.1	15.5	16.8	24.1	25.9	28.4	32.0
67.5°	56.3	53.3	39.1	12.9	9.9	9.4	8.1	11.2	15.7	17.5	20.3
70°	7.4	7.1	6.3	5.3	5.1	4.6	3.6	7.1	10.7	11.2	12.9
72.5°	1.8	1.5	1.5	1.3	1.5	0.5	0.5	3.8	7.6	7.9	9.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.8	5.3	6.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	295.2	290.1	288.3	285.8	282.5	283.5	278.9	277.4	279.7	282.7	282.0
5°	268.3	262.7	258.9	253.0	252.0	249.7	248.2	246.2	248.7	252.3	253.0
7.5°	247.0	242.1	238.3	236.5	235.3	234.3	231.2	229.7	229.7	231.2	232.5
10°	237.8	234.3	233.5	234.0	236.0	235.8	233.0	231.0	228.4	227.2	228.7
12.5°	250.5	244.7	243.7	243.9	246.4	246.2	243.1	240.6	240.1	240.6	245.4
15°	272.1	263.2	256.6	255.3	256.6	256.1	253.8	252.3	253.0	260.4	268.5
17.5°	291.4	277.7	265.7	261.2	260.9	260.1	257.9	257.4	261.2	274.9	286.8
20°	296.9	283.5	266.5	260.7	259.4	258.6	256.1	256.8	261.7	278.2	288.3
22.5°	289.6	276.6	258.9	253.0	252.0	251.8	249.2	250.2	254.3	268.8	277.2
25°	275.6	264.7	246.2	241.1	241.1	240.6	238.3	238.8	241.4	254.1	262.2
27.5°	258.6	248.2	232.7	227.7	228.4	229.2	226.4	225.6	227.7	239.6	244.4
30°	239.1	231.7	219.5	215.0	214.7	217.8	214.0	212.9	215.7	225.1	226.1
32.5°	220.0	216.5	207.9	204.3	204.6	205.1	203.0	203.0	205.6	210.7	210.4
35°	201.5	199.2	197.7	195.2	194.9	193.9	193.9	194.4	197.2	199.0	195.7
37.5°	183.8	186.0	187.8	185.3	183.2	183.2	183.2	185.5	188.1	187.3	181.7
40°	168.0	172.8	178.4	175.6	170.8	170.6	171.6	175.4	179.2	174.6	169.5
42.5°	154.6	160.7	168.5	167.0	161.7	160.9	161.7	166.5	169.5	163.7	158.1
45°	141.4	149.0	158.4	158.4	152.5	151.8	152.0	158.4	160.1	153.3	146.2
47.5°	130.2	138.6	148.5	148.5	143.7	142.1	143.4	150.0	151.3	141.6	135.0
50°	119.5	128.7	139.6	138.8	135.5	134.3	136.5	143.7	142.1	131.5	124.6
52.5°	106.1	115.7	130.7	131.5	129.7	129.9	132.7	137.3	133.0	120.0	114.2
55°	93.9	103.8	118.8	122.8	122.8	122.6	123.9	127.4	123.9	108.4	101.3
57.5°	80.7	89.1	101.5	102.5	103.3	100.5	102.3	107.1	105.3	92.1	88.1
60°	66.2	73.3	80.5	81.2	77.9	72.1	75.4	81.0	82.2	72.3	67.8
62.5°	47.0	53.8	62.2	62.2	58.9	53.0	57.4	62.2	60.4	50.3	47.5
65°	35.0	41.4	47.7	50.5	47.7	43.7	47.0	50.5	47.7	39.3	35.3
67.5°	22.6	26.9	30.7	33.0	33.5	33.0	34.5	33.5	30.2	24.6	22.3
70°	13.7	16.0	18.0	20.1	21.6	22.3	23.1	20.8	17.5	14.5	13.7
72.5°	9.9	11.9	13.7	15.2	17.0	17.5	17.5	16.0	12.9	10.2	9.4
75°	6.9	8.6	10.2	11.2	12.7	13.2	13.2	11.9	9.6	7.4	6.6
77.5°	0.3	1.8	1.8	1.5	2.0	2.5	2.5	3.0	2.8	2.0	1.8
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°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	283.5	292.6	295.2	304.6	312.9	321.3	331.5	337.6	346.7	353.0	356.6
5°	255.6	263.2	272.3	286.3	300.8	316.7	336.0	352.8	373.9	389.3	394.4
7.5°	235.3	245.2	255.8	273.3	293.1	314.5	341.6	369.0	401.3	422.3	435.8
10°	231.5	241.6	255.8	273.1	293.9	318.3	351.5	387.0	427.4	453.0	468.3
12.5°	249.7	260.7	266.7	274.6	290.4	317.5	360.1	405.3	452.8	480.7	496.9
15°	276.6	286.3	276.4	266.5	276.6	309.4	365.0	420.6	475.1	507.4	524.1
17.5°	295.2	295.9	274.4	253.3	256.1	294.7	366.7	435.8	499.0	532.7	550.2
20°	293.4	287.3	265.5	242.1	233.5	275.6	364.7	449.2	523.1	558.4	575.6
22.5°	279.7	272.6	254.1	231.2	214.5	253.0	361.2	461.4	545.2	585.3	601.5
25°	263.2	255.6	240.4	220.3	202.3	231.2	358.4	478.2	573.1	620.3	633.0
27.5°	243.9	237.3	224.4	209.9	197.2	214.7	357.6	500.2	606.8	662.9	671.8
30°	225.1	219.0	208.9	200.5	195.2	205.1	355.1	523.8	647.2	711.9	721.6
32.5°	207.1	201.0	194.7	193.4	193.7	201.5	346.4	547.2	695.2	783.0	790.1
35°	191.6	184.5	182.0	185.0	190.6	195.4	322.1	566.5	746.7	860.4	866.2
37.5°	176.9	169.8	169.5	176.9	183.0	186.0	293.4	585.5	816.2	939.1	946.4
40°	163.4	156.3	158.9	167.8	172.6	174.1	258.6	614.5	889.8	1022.1	1018.0
42.5°	152.0	144.7	146.2	157.6	161.9	166.0	226.6	638.6	960.6	1100.7	1099.5
45°	140.9	135.3	134.3	146.7	150.5	166.7	203.3	657.1	1051.8	1201.0	1203.0
47.5°	129.9	125.6	125.9	131.2	140.6	170.6	183.5	669.3	1184.0	1359.9	1324.6
50°	120.0	116.7	119.5	113.4	134.3	165.7	166.5	666.7	1331.7	1512.2	1441.3
52.5°	109.1	108.4	109.6	94.9	124.1	146.2	150.5	633.0	1401.0	1616.2	1575.9
55°	98.0	97.7	87.6	75.9	103.8	116.7	128.9	528.2	1398.7	1671.5	1720.5
57.5°	84.8	82.7	66.5	61.9	80.7	81.2	117.5	345.9	1239.6	1539.1	1640.6
60°	64.2	62.7	48.7	50.3	56.3	52.0	93.7	172.3	926.4	1199.0	1313.4
62.5°	44.4	42.4	36.3	38.8	36.3	29.7	57.4	85.3	561.2	757.1	860.9
65°	32.5	30.2	24.9	21.3	17.0	17.0	21.8	32.7	217.3	321.8	388.1
67.5°	20.1	19.0	14.7	10.7	10.4	11.2	11.4	16.2	35.0	55.8	68.3
70°	12.9	11.9	9.9	6.9	6.3	6.6	6.9	7.6	8.9	9.6	11.7
72.5°	8.9	8.4	7.1	3.8	3.0	3.3	3.6	3.6	4.3	4.1	4.8
75°	6.3	5.8	5.1	1.8	1.0	1.3	1.5	1.3	1.5	1.0	1.3
77.5°	1.8	1.8	1.3	0.3	0.0	0.3	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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-SA1C-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	365.7	371.6	373.9	370.6	373.3	368.8	367.0	360.1	359.6	358.4
5°	415.0	428.2	436.0	440.9	435.3	429.2	420.0	404.3	399.5	396.4
7.5°	463.4	484.0	497.5	503.8	502.3	489.8	473.3	446.9	437.6	433.0
10°	505.6	530.7	546.9	554.8	551.5	540.6	517.0	484.0	471.6	468.8
12.5°	535.0	558.1	569.3	576.1	576.4	572.1	549.7	516.5	501.8	498.2
15°	553.5	563.4	563.7	567.8	574.9	584.5	574.1	544.7	528.9	523.6
17.5°	565.2	554.3	543.1	544.2	555.8	581.5	592.1	569.5	552.8	546.9
20°	573.6	539.1	518.3	518.5	530.4	569.3	604.6	593.6	576.4	571.1
22.5°	578.9	525.6	495.9	495.2	507.9	554.8	616.0	622.3	605.3	599.2
25°	589.8	519.3	482.5	486.8	498.0	550.2	631.5	660.4	644.7	636.5
27.5°	609.4	525.6	481.2	491.1	503.8	563.7	658.4	711.2	694.9	685.8
30°	643.1	549.5	500.8	514.5	529.7	599.0	703.5	782.0	758.6	750.0
32.5°	697.4	599.0	561.2	590.6	605.3	656.8	771.3	861.4	842.4	825.1
35°	772.3	711.9	707.6	776.1	772.6	766.5	854.6	958.9	930.2	913.4
37.5°	875.4	893.6	925.6	993.6	991.4	944.9	963.9	1051.0	1036.3	1014.7
40°	1004.0	1042.9	1097.2	1194.6	1164.2	1105.8	1098.2	1145.4	1133.5	1108.1
42.5°	1079.9	1146.9	1250.5	1338.0	1313.7	1211.7	1203.0	1271.6	1245.4	1217.7
45°	1115.2	1231.7	1434.7	1553.3	1479.4	1282.0	1278.7	1436.0	1421.3	1384.2
47.5°	1131.5	1317.2	1650.5	1829.9	1691.8	1343.6	1331.7	1674.6	1655.3	1611.6
50°	1149.5	1435.3	1910.4	2150.5	1948.4	1413.4	1422.1	1896.9	1888.8	1837.3
52.5°	1189.1	1560.1	2230.4	2517.0	2259.6	1522.8	1577.1	2106.6	2051.7	1992.4
55°	1248.5	1696.2	2563.4	2891.3	2577.1	1669.8	1744.9	2218.0	2064.2	1998.4
57.5°	1182.7	1730.2	2760.6	3152.7	2718.0	1670.3	1603.0	2024.8	1815.5	1751.7
60°	938.6	1609.6	2684.7	3096.1	2597.9	1483.2	1227.4	1580.9	1375.4	1332.7
62.5°	634.5	1350.0	2363.4	2618.5	2223.6	1166.7	797.7	1028.2	851.5	816.2
65°	347.7	1007.1	1909.6	1980.9	1740.3	815.0	410.4	446.2	339.8	324.1
67.5°	95.9	701.0	1405.1	1314.2	1221.0	530.7	106.1	79.7	56.9	56.3
70°	24.1	463.7	841.9	867.8	748.7	339.8	20.3	9.6	7.6	7.4
72.5°	10.2	199.5	399.5	459.1	383.2	157.4	7.4	2.8	2.3	1.8
75°	1.3	16.0	34.0	51.5	35.3	17.0	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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