

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: P629633

Luminaire Tested: GWS-SA1C-722-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

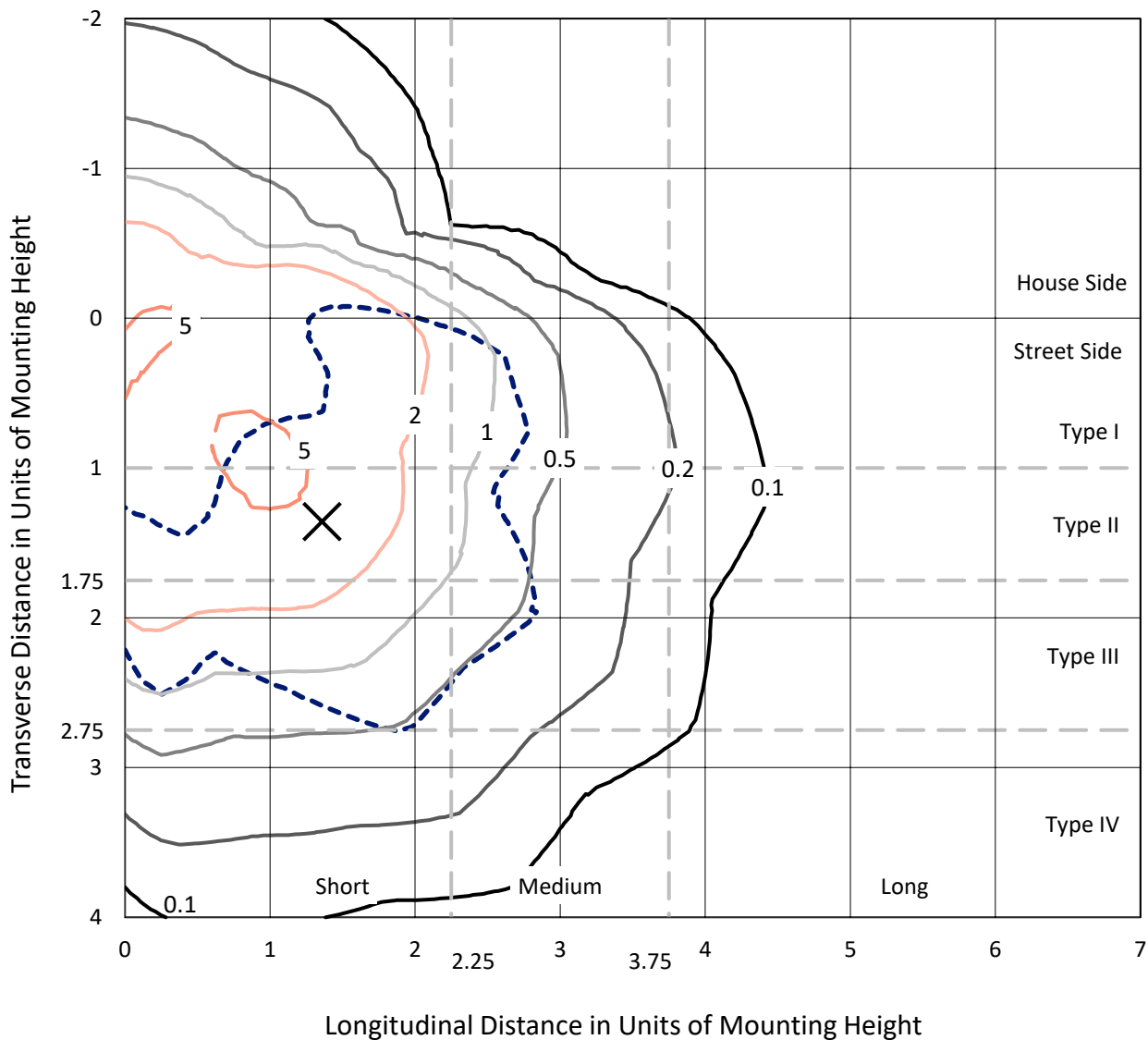
Lumens per Lamp: N/A  
Luminaire Lumens: 3352.3 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

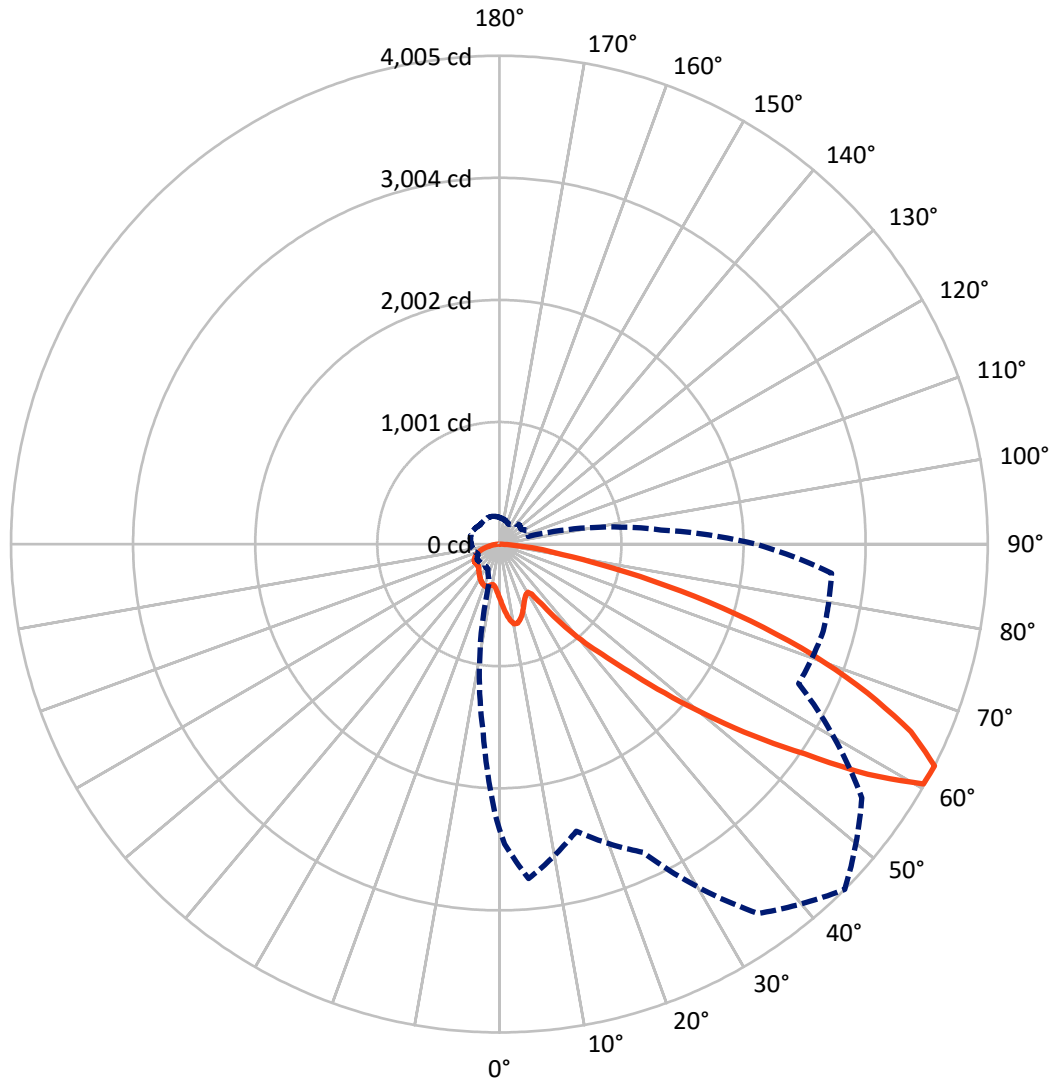
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - 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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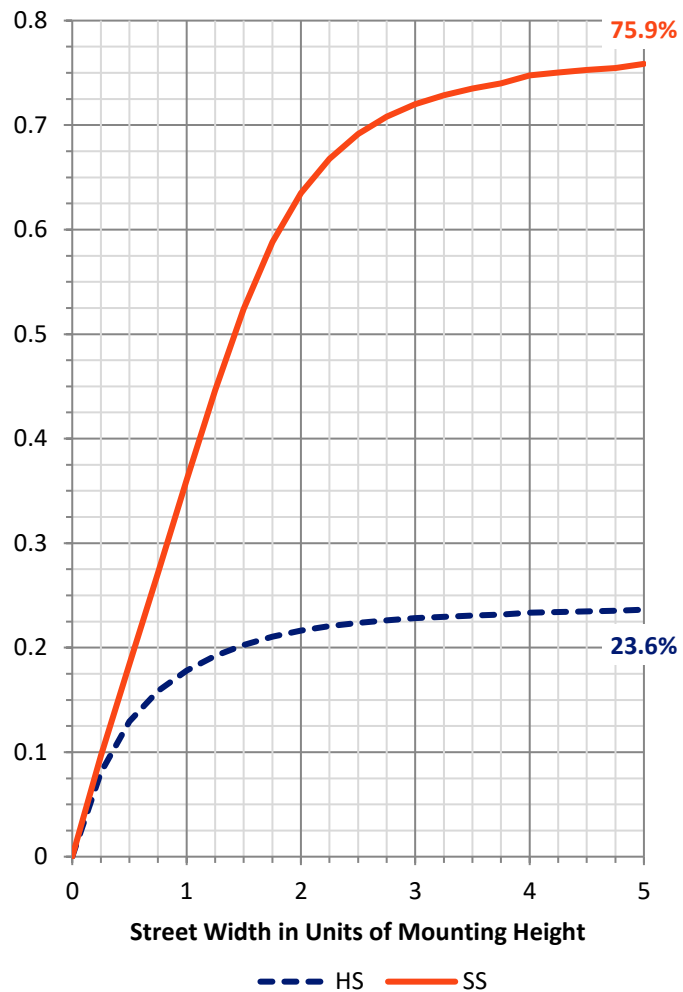
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	799.9	0.0	799.9
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2552.4	0.0	2552.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	3352.3	0.0	3352.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.5	1.3
10°-20°	136.2	4.1
20°-30°	211.6	6.3
30°-40°	287.3	8.6
40°-50°	455.3	13.6
50°-60°	803.1	24.0
60°-70°	893.6	26.7
70°-80°	453.2	13.5
80°-90°	68.6	2.0
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°	3352.3	100.0
0°-180°	3352.3	100.0

**Coefficient of Utilization**



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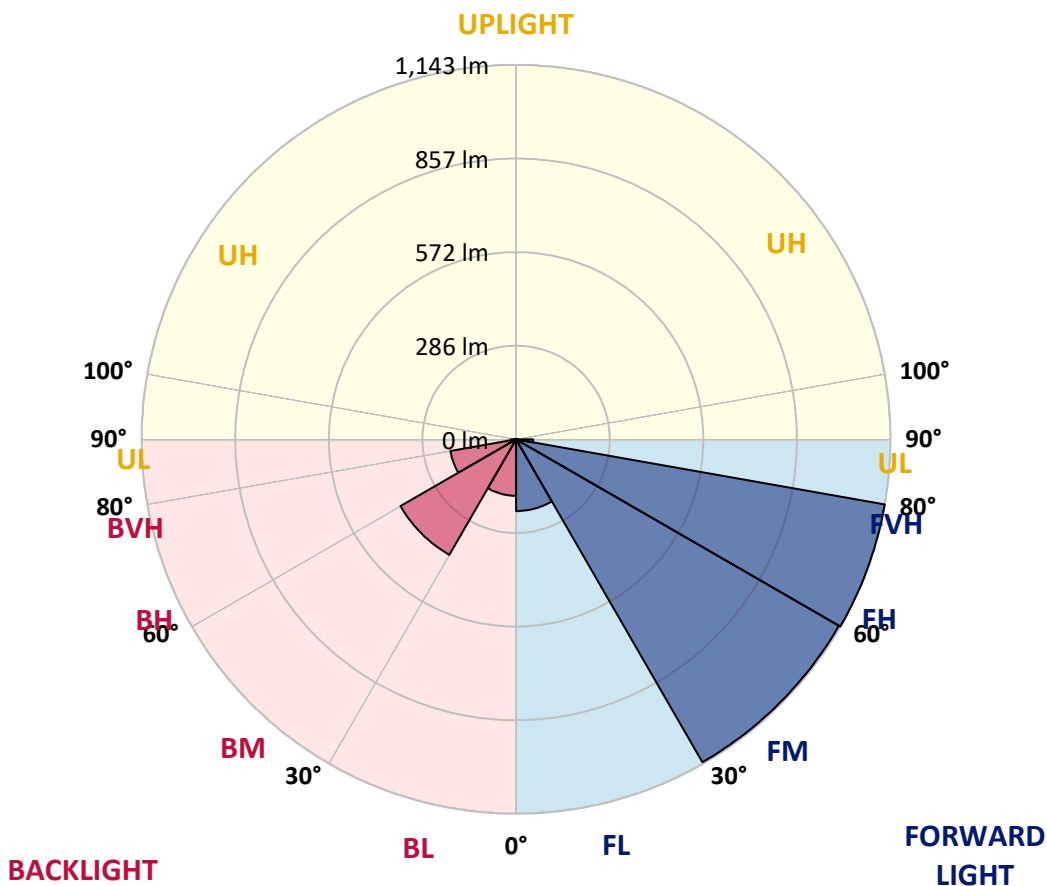
CATALOG NUMBER: GWS-SA1C-722-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.9	6.5			
FM (30°-60°)	1138.2	34.0			
FH (60°-80°)	1143.2	34.1			G1/1800
FVH (80°-90°)	52.1	1.6			G1/100
BL (0°-30°)	172.4	5.1	B1/500		
BM (30°-60°)	407.4	12.2	B1/1000		
BH (60°-80°)	203.6	6.1	B1/500		G1/500
BVH (80°-90°)	16.5	0.5			G1/100
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°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9
2.5°	478.2	477.9	482.7	490.1	496.9	500.0	505.1	504.6	500.5	495.2	493.4
5°	515.7	516.7	525.1	541.4	559.4	567.0	570.3	569.0	561.7	552.3	535.8
7.5°	549.7	551.5	564.5	588.8	611.2	621.3	629.4	627.9	617.3	599.7	575.4
10°	574.6	576.6	592.1	620.8	645.7	654.6	665.0	665.5	656.1	632.5	607.6
12.5°	599.5	601.5	616.0	642.1	658.4	658.6	664.7	668.0	668.5	657.6	632.7
15°	625.4	627.2	640.3	655.1	654.3	640.1	640.1	646.4	660.4	668.3	651.0
17.5°	647.5	649.7	659.9	655.1	632.5	606.8	603.8	611.9	636.3	666.5	664.7
20°	665.7	667.5	673.1	641.1	600.0	566.5	560.7	570.0	603.0	655.6	675.1
22.5°	683.2	684.3	681.2	622.8	565.0	526.6	519.5	529.4	565.0	636.3	684.0
25°	704.1	703.0	688.6	603.8	533.0	495.2	487.8	499.0	536.0	610.7	693.6
27.5°	728.2	724.4	694.9	583.2	508.4	471.8	466.7	478.7	513.2	587.0	701.3
30°	748.7	741.4	695.9	565.0	495.7	461.9	458.9	470.0	502.0	571.1	710.9
32.5°	771.6	761.4	701.8	560.1	502.8	485.8	489.8	490.6	505.1	566.5	725.4
35°	804.3	791.1	717.8	574.1	575.9	604.6	619.3	599.5	551.0	576.6	752.8
37.5°	853.8	837.0	750.2	634.5	726.9	791.1	826.6	781.5	690.6	615.0	794.2
40°	913.9	892.6	791.9	746.2	868.0	970.8	1034.0	967.8	834.3	710.7	852.3
42.5°	998.0	975.6	872.6	855.8	998.7	1151.8	1234.2	1135.5	960.9	834.3	945.4
45°	1144.4	1122.8	1020.5	965.7	1151.8	1374.6	1490.3	1353.0	1089.6	958.4	1119.5
47.5°	1415.0	1389.6	1240.3	1087.6	1326.4	1663.9	1825.9	1625.9	1223.3	1100.5	1411.9
50°	1739.8	1715.5	1516.2	1231.7	1519.3	1973.3	2198.5	1946.4	1377.4	1273.3	1761.4
52.5°	2130.7	2126.1	1909.9	1413.9	1720.0	2303.3	2611.9	2301.5	1546.2	1506.1	2157.3
55°	2483.0	2527.6	2409.9	1691.9	1979.4	2717.7	3037.0	2688.8	1775.1	1890.8	2621.0
57.5°	2672.8	2792.9	2973.8	2258.9	2356.6	3213.2	3561.6	3161.6	2168.5	2531.4	3051.0
60°	2547.4	2683.5	3011.4	2685.8	2730.7	3610.1	3994.6	3559.1	2554.8	2976.1	3026.6
62.5°	2338.8	2460.9	2752.5	2436.5	2788.5	3697.4	4004.8	3628.4	2708.3	2750.5	2734.0
65°	2091.3	2214.4	2523.3	2126.9	2604.5	3490.1	3709.3	3424.6	2432.5	2485.0	2491.1
67.5°	1762.7	1876.4	2190.8	1891.1	2374.1	3185.7	3255.8	3134.2	2240.1	2323.8	2236.3
70°	1317.0	1419.5	1697.2	1536.8	2001.2	2789.3	2732.7	2750.7	2024.1	2107.3	1868.0
72.5°	900.0	977.1	1215.2	1207.6	1532.5	2233.0	2154.0	2324.8	1690.6	1801.0	1424.1
75°	629.4	689.6	878.4	954.0	1158.4	1655.1	1534.0	1740.1	1320.3	1477.9	1039.1
77.5°	386.3	426.1	554.8	706.8	745.2	1132.7	952.8	1309.4	927.1	1077.9	693.1
80°	193.1	212.4	269.5	444.4	494.2	667.5	526.1	760.1	627.4	667.5	383.5
82.5°	58.4	64.5	78.9	168.8	256.1	384.3	310.9	441.6	342.6	312.9	151.0
85°	15.5	17.5	21.8	50.0	89.8	137.8	105.1	214.0	164.2	115.5	56.9
87.5°	1.3	1.3	1.0	1.0	0.5	0.0	0.0	15.2	30.7	17.5	9.9
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°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9
2.5°	484.5	483.5	473.1	465.5	456.6	448.0	439.1	431.2	422.3	413.4	410.9
5°	523.6	516.5	494.4	475.9	457.6	441.6	427.7	413.2	401.5	390.1	385.8
7.5°	558.1	545.7	513.7	485.5	460.1	440.4	419.8	398.7	382.2	366.0	361.9
10°	589.3	572.8	532.5	496.9	468.8	446.2	422.1	393.9	370.0	350.2	344.9
12.5°	612.4	594.4	548.7	507.9	475.9	450.5	426.6	401.8	376.6	351.0	345.2
15°	630.7	611.9	562.2	516.2	476.1	443.4	420.3	411.7	403.8	378.7	368.0
17.5°	645.4	625.6	573.9	521.3	469.3	421.8	401.8	414.5	434.5	418.8	398.7
20°	658.9	638.8	582.7	524.9	454.1	392.1	381.0	407.9	438.1	437.6	419.5
22.5°	673.6	654.1	595.7	526.9	432.7	361.9	368.5	398.2	422.8	430.2	419.0
25°	692.4	675.1	613.7	531.5	408.6	341.1	359.4	385.8	406.3	408.1	401.5
27.5°	714.2	701.3	640.6	542.1	385.3	330.5	348.7	368.3	387.1	387.8	379.9
30°	738.1	729.4	665.5	551.0	367.8	327.2	335.0	350.8	362.7	364.7	357.9
32.5°	768.5	760.9	687.6	545.2	357.4	326.4	322.3	330.5	340.4	340.4	335.0
35°	810.4	799.7	710.9	522.8	344.7	323.3	308.9	311.2	315.5	316.2	313.2
37.5°	869.8	852.3	734.5	478.7	323.9	312.4	293.4	290.6	292.1	294.2	293.4
40°	943.4	914.7	769.0	425.6	299.0	291.4	277.4	272.1	270.8	274.9	276.4
42.5°	1036.0	992.1	806.1	376.1	276.4	267.3	258.6	254.1	252.0	258.9	262.9
45°	1184.0	1111.7	841.6	327.2	263.7	246.7	240.9	237.6	238.6	246.7	251.8
47.5°	1439.6	1294.1	875.4	296.2	262.7	232.0	224.9	225.6	228.4	237.1	243.1
50°	1762.9	1538.6	898.0	283.2	265.7	223.1	213.7	217.8	222.1	230.5	237.6
52.5°	2092.1	1766.2	871.1	276.1	265.5	223.3	203.3	215.5	217.5	225.9	233.5
55°	2318.5	1791.6	752.5	265.2	261.4	233.5	195.2	214.5	215.7	223.3	230.2
57.5°	2404.8	1704.8	573.9	268.3	249.2	241.4	191.6	207.4	216.5	223.1	230.2
60°	2300.5	1541.1	348.7	276.1	229.7	240.9	193.9	194.4	210.1	221.3	228.4
62.5°	2103.8	1330.9	244.9	253.8	215.5	227.4	199.2	179.2	199.0	212.4	218.8
65°	1878.4	1083.7	186.8	218.5	208.6	206.6	201.0	165.7	183.8	197.0	202.5
67.5°	1643.6	842.4	151.8	162.9	188.6	186.8	183.8	153.8	165.7	175.1	181.5
70°	1348.0	589.3	128.2	122.3	161.7	167.5	160.7	138.8	142.6	152.3	157.4
72.5°	986.0	367.3	105.3	101.0	129.9	146.4	142.9	122.3	124.1	133.2	137.3
75°	709.1	210.1	84.5	83.2	99.2	125.4	118.3	105.3	107.4	114.2	117.0
77.5°	450.8	117.0	65.2	67.0	71.1	93.7	101.0	90.1	90.1	94.2	96.4
80°	241.4	67.0	47.7	48.5	49.7	71.6	79.7	69.8	69.8	67.0	69.8
82.5°	98.5	38.6	32.7	30.5	33.2	49.0	55.8	44.4	46.4	41.9	42.9
85°	32.5	19.3	16.2	16.0	15.7	21.6	26.9	22.1	26.4	16.8	17.5
87.5°	4.3	3.6	2.0	1.5	1.8	0.8	1.5	1.8	1.8	1.3	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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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9
2.5°	409.1	407.1	399.7	401.5	400.2	398.2	400.2	396.4	399.5	400.5	406.8
5°	382.5	377.7	370.6	367.0	366.2	364.2	364.5	362.7	363.2	367.5	374.6
7.5°	358.6	354.1	348.5	345.9	343.7	341.4	341.1	340.9	342.9	346.7	353.5
10°	341.4	338.8	336.5	337.6	336.5	335.5	333.8	333.8	337.1	343.9	352.3
12.5°	341.4	340.9	341.4	344.4	344.2	344.4	342.1	343.4	352.5	364.2	376.1
15°	359.6	355.6	355.6	357.1	356.6	356.6	356.6	361.9	382.7	400.8	413.4
17.5°	382.0	370.0	365.0	364.2	364.0	364.0	365.0	376.4	408.9	427.9	435.3
20°	397.5	374.9	366.5	363.2	363.4	364.0	367.0	382.7	418.5	428.2	426.4
22.5°	400.2	371.1	360.9	356.1	356.8	357.4	361.9	378.7	405.3	406.8	403.3
25°	387.3	360.4	349.5	345.7	346.7	346.4	350.5	362.7	381.7	381.2	379.2
27.5°	368.0	343.4	335.3	332.7	334.5	332.5	333.8	343.1	357.9	357.4	356.6
30°	348.2	326.9	319.5	318.3	320.6	317.5	317.8	325.6	335.8	335.3	335.0
32.5°	328.4	310.4	303.8	303.8	306.1	302.8	303.3	310.1	317.0	315.0	315.0
35°	309.6	297.0	291.6	290.6	292.4	290.1	291.1	297.5	300.0	297.2	295.4
37.5°	293.1	287.6	282.2	278.7	278.9	279.2	282.2	287.1	285.5	281.5	279.2
40°	277.9	277.9	272.8	266.2	265.5	267.3	272.3	277.7	273.3	268.8	266.0
42.5°	267.0	269.3	264.5	257.9	256.3	259.4	265.0	268.8	263.7	258.6	254.8
45°	256.8	262.4	259.1	251.8	249.7	253.3	260.4	261.9	255.1	250.3	247.5
47.5°	249.7	257.4	255.1	248.0	244.9	250.0	257.4	257.1	248.5	243.4	241.1
50°	244.7	254.3	254.1	248.0	244.7	251.0	257.6	254.3	244.9	239.6	237.3
52.5°	240.6	254.1	255.8	252.3	250.0	255.6	259.6	253.3	242.4	236.8	235.0
55°	238.8	255.1	256.3	253.0	251.0	256.1	259.6	255.3	242.4	237.3	235.8
57.5°	239.3	253.8	254.1	249.5	245.9	252.3	257.9	256.6	245.2	239.3	237.6
60°	236.3	247.0	247.5	240.4	236.3	243.9	253.8	253.0	243.9	237.8	234.5
62.5°	226.1	235.5	235.8	229.2	223.3	234.3	245.2	244.9	236.5	230.5	226.6
65°	209.1	219.0	221.6	215.2	210.7	222.3	233.8	233.2	224.9	219.3	215.5
67.5°	188.1	198.7	203.6	199.2	197.5	208.1	218.8	218.5	211.7	206.3	203.0
70°	162.4	171.3	179.4	179.4	178.2	190.4	201.8	200.8	194.4	190.4	187.8
72.5°	141.1	148.0	150.5	153.0	156.9	169.5	179.2	179.9	175.4	173.3	175.4
75°	120.0	124.4	126.6	124.6	131.2	144.4	157.1	158.4	153.6	150.3	151.0
77.5°	98.7	103.6	105.8	101.3	100.8	117.5	133.0	135.8	131.7	126.6	128.2
80°	71.3	77.7	81.5	78.4	77.4	84.8	106.1	109.1	105.3	101.3	103.6
82.5°	43.7	47.2	48.2	51.3	57.6	60.7	68.3	78.4	75.6	72.1	78.4
85°	17.3	20.6	22.8	25.9	30.2	35.8	42.1	50.3	45.7	44.2	52.0
87.5°	1.0	0.3	0.0	0.5	4.3	8.4	18.0	24.9	20.8	22.3	26.9
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9
2.5°	411.9	418.5	427.4	434.8	444.2	453.0	462.2	471.3	476.1	478.2
5°	382.7	394.9	409.1	424.9	443.1	462.4	482.0	502.0	514.7	515.7
7.5°	365.2	382.7	402.3	422.1	444.7	471.3	502.3	533.2	546.2	549.7
10°	370.8	390.4	405.8	424.4	449.2	482.5	519.0	555.3	570.3	574.6
12.5°	393.1	396.9	401.8	418.8	449.2	492.1	536.3	579.4	595.4	599.5
15°	411.7	393.4	384.8	402.8	443.1	500.5	554.6	602.3	621.6	625.4
17.5°	413.2	381.7	362.9	379.2	432.5	506.3	572.1	627.7	643.9	647.5
20°	397.7	369.3	344.9	354.8	418.0	508.9	584.8	646.2	662.2	665.7
22.5°	380.2	359.1	332.7	332.2	400.5	511.7	600.0	663.7	681.0	683.2
25°	363.7	345.2	322.8	315.7	380.2	517.0	620.6	690.1	703.3	704.1
27.5°	344.4	330.2	315.0	308.1	362.4	527.2	651.0	721.6	729.4	728.2
30°	326.9	316.2	309.4	307.4	351.3	534.8	679.9	752.5	753.0	748.7
32.5°	308.4	304.3	304.3	310.9	342.1	533.0	703.5	782.7	777.9	771.6
35°	291.9	292.6	298.0	313.4	326.9	515.2	726.1	820.5	813.4	804.3
37.5°	276.1	282.0	289.6	304.6	306.8	488.8	752.5	874.1	865.2	853.8
40°	262.7	271.6	280.5	287.8	285.5	451.3	789.3	937.0	927.1	913.9
42.5°	252.0	260.7	270.6	271.3	272.1	412.2	828.4	1014.2	1012.4	998.0
45°	245.2	250.8	260.1	258.9	271.3	369.0	864.5	1132.0	1155.3	1144.4
47.5°	240.6	244.9	245.9	251.3	277.9	330.5	910.9	1362.4	1427.4	1415.0
50°	238.1	242.4	231.0	251.8	278.9	305.6	975.1	1651.8	1756.3	1739.8
52.5°	237.8	236.8	219.5	257.1	273.3	290.4	1008.6	1862.9	2094.9	2130.7
55°	238.3	225.6	213.7	258.6	262.2	284.8	896.4	1964.4	2407.3	2483.0
57.5°	233.8	213.4	217.0	252.5	241.1	299.7	662.7	1928.2	2532.2	2672.8
60°	225.1	201.8	223.1	236.0	219.5	274.1	456.3	1766.2	2402.8	2547.4
62.5°	212.7	193.7	222.3	214.7	211.7	224.4	313.7	1539.6	2197.4	2338.8
65°	198.7	187.1	210.4	194.2	195.9	172.6	221.8	1283.7	1952.3	2091.3
67.5°	183.8	183.0	192.9	172.8	165.5	136.8	161.7	1028.9	1637.3	1762.7
70°	166.7	172.3	175.4	153.6	134.3	107.4	120.0	719.5	1207.9	1317.0
72.5°	149.7	150.3	154.6	133.5	100.5	86.0	90.1	435.8	820.5	900.0
75°	132.5	127.7	131.7	108.6	74.9	70.6	69.5	269.3	566.7	629.4
77.5°	114.0	108.6	103.3	81.7	60.2	54.6	53.3	151.0	347.7	386.3
80°	92.6	85.5	77.2	59.9	43.9	39.1	38.8	73.6	173.3	193.1
82.5°	72.1	58.6	56.3	37.3	27.2	23.9	25.4	28.2	52.3	58.4
85°	50.5	42.6	29.9	15.0	12.2	9.9	9.6	8.4	14.0	15.5
87.5°	28.2	18.5	9.6	1.8	2.0	2.3	1.8	1.3	1.3	1.3
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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