

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: P630119

Luminaire Tested: GWS-SA1D-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630119  
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-SA1D-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**

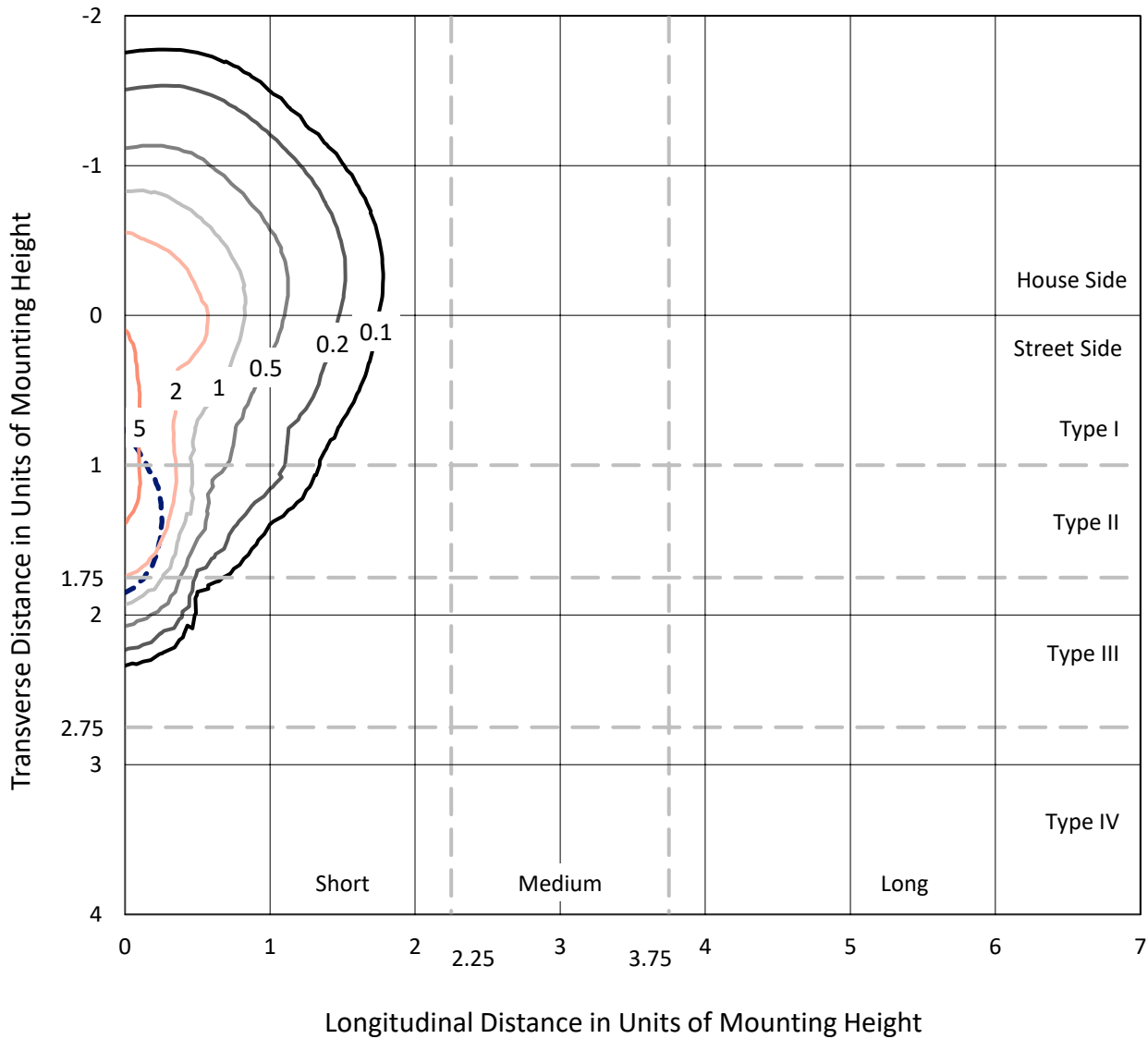
Lumens per Lamp: N/A  
Luminaire Lumens: 2395.1 lumens  
Efficiency: N/A  
Efficacy: 54.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

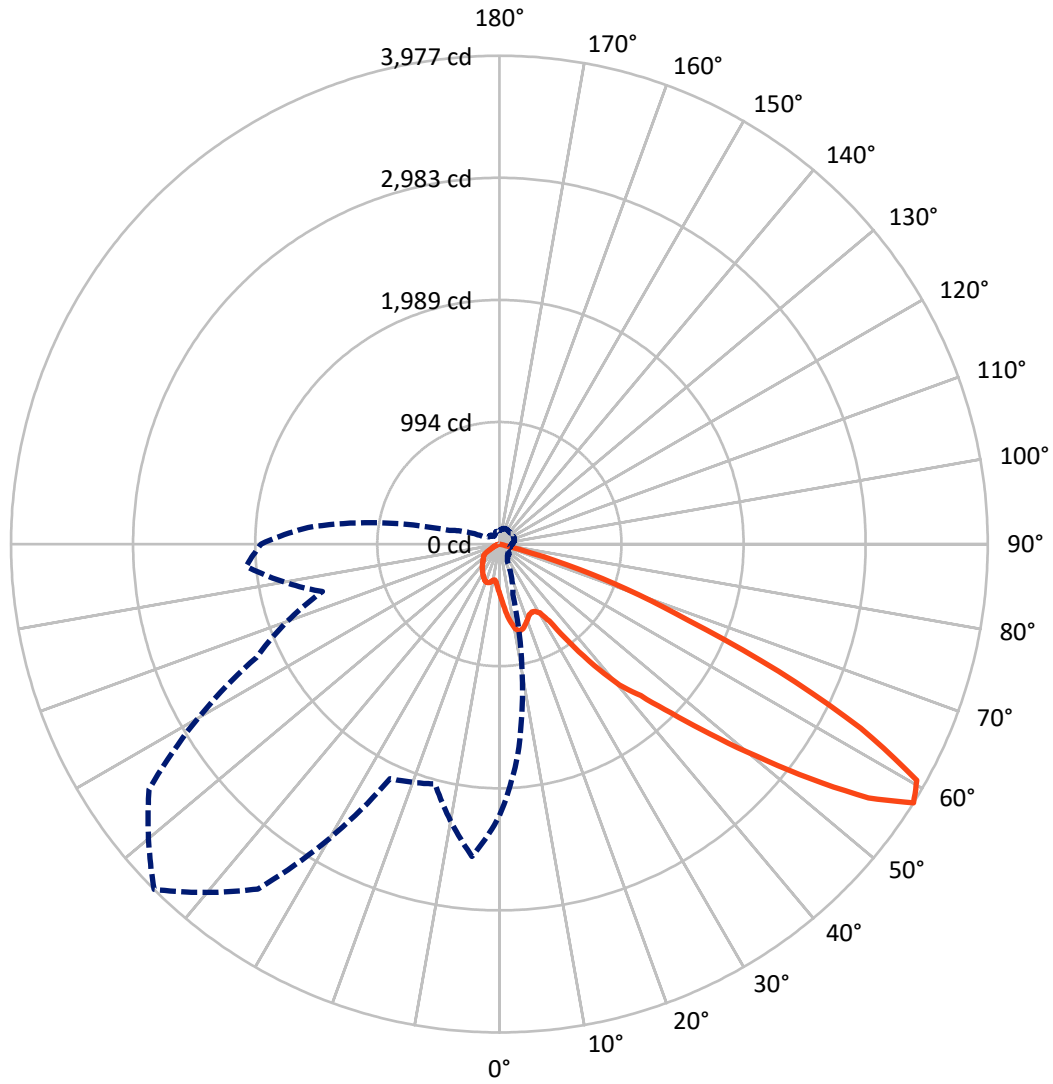
× Max cd  
 - - - 1/2 Max cd



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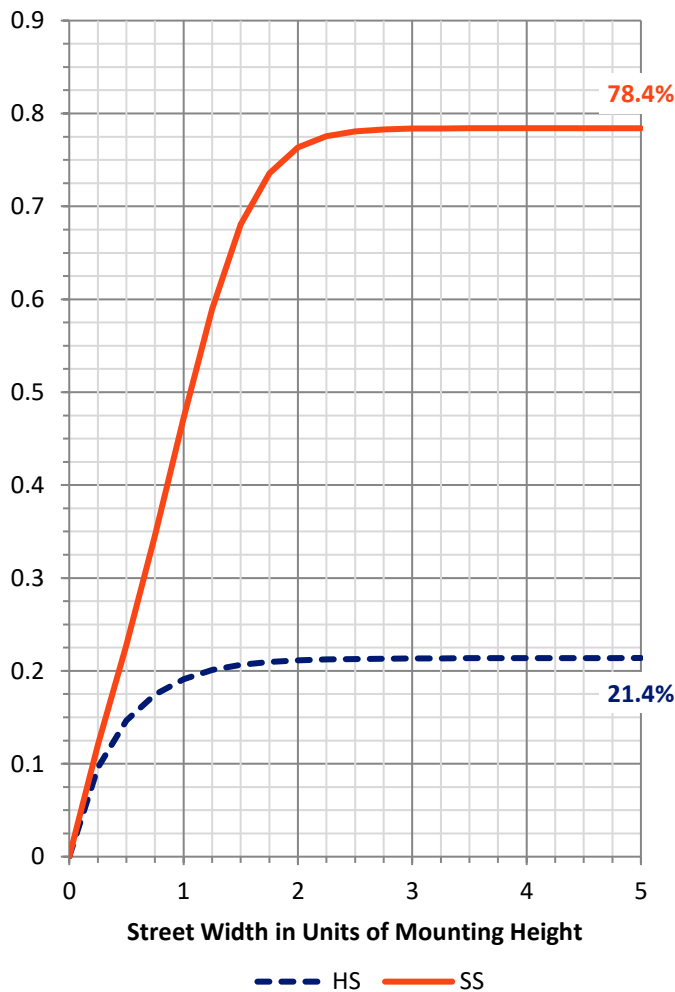
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	516.0	0.0	516.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	1879.1	0.0	1879.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	2395.1	0.0	2395.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.2	1.7
10°-20°	132.4	5.5
20°-30°	214.8	9.0
30°-40°	329.7	13.8
40°-50°	526.5	22.0
50°-60°	737.2	30.8
60°-70°	378.0	15.8
70°-80°	36.4	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°	2395.1	100.0
0°-180°	2395.1	100.0

**Coefficient of Utilization**



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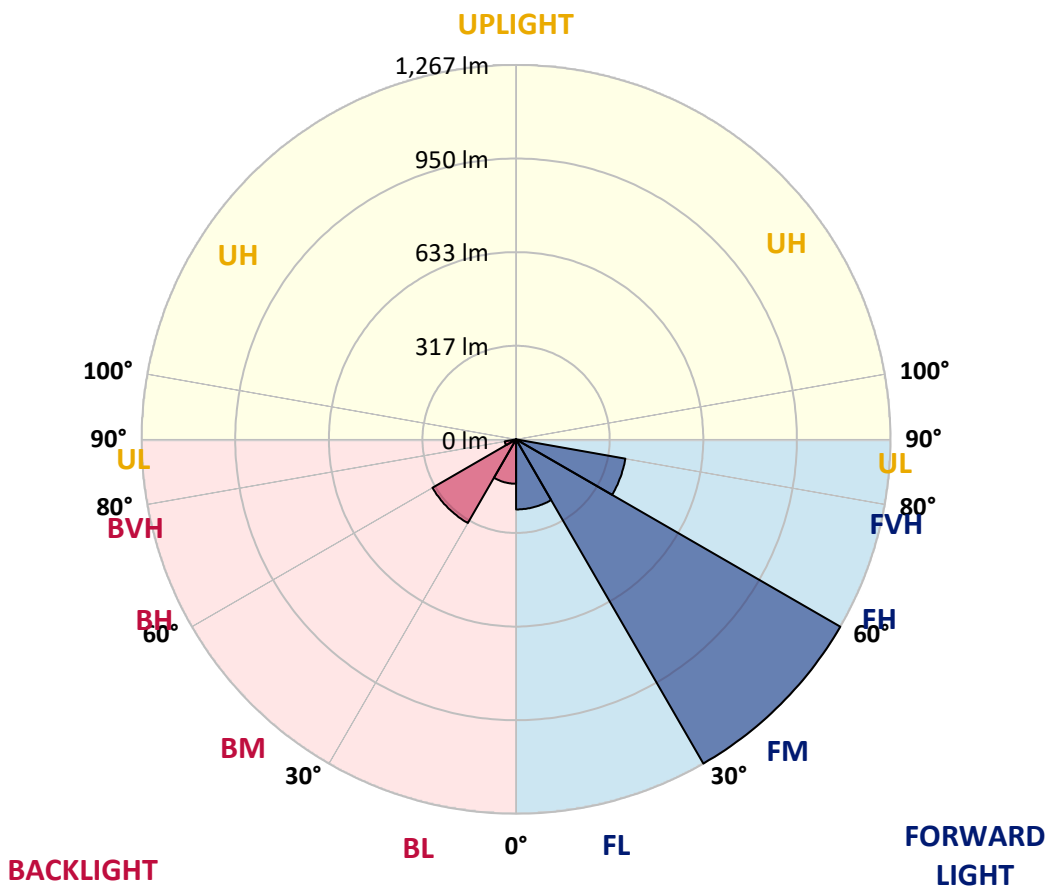
CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.1	9.9			
FM (30°-60°)	1266.6	52.9			
FH (60°-80°)	375.4	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	150.2	6.3	B1/500		
BM (30°-60°)	326.8	13.6	B1/1000		
BH (60°-80°)	39.0	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°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	452.1	451.1	447.9	437.1	430.3	419.8	412.1	402.2	391.3	384.5	377.8
5°	500.1	497.6	488.9	464.0	444.7	423.9	407.3	389.0	369.5	356.7	344.8
7.5°	546.2	542.4	530.9	488.6	459.5	429.7	406.0	379.4	351.9	332.7	317.9
10°	591.4	582.7	564.5	512.6	473.2	437.4	409.5	379.1	346.8	322.4	306.1
12.5°	628.5	622.1	597.2	535.4	484.8	439.0	404.7	376.5	354.8	338.4	323.4
15°	660.6	653.5	629.8	555.9	494.7	432.6	384.5	359.9	363.4	369.8	357.0
17.5°	690.0	682.6	657.0	572.8	498.5	416.9	356.4	344.5	364.1	388.1	383.3
20°	720.4	712.1	680.7	586.6	497.3	392.2	327.9	331.4	358.9	386.5	389.0
22.5°	756.0	747.3	710.8	604.2	496.3	362.8	303.2	319.9	349.3	372.7	377.2
25°	803.0	792.8	752.8	630.1	498.9	335.9	285.6	308.7	333.0	354.1	356.7
27.5°	865.2	852.0	801.1	662.2	504.3	314.7	277.9	293.3	312.2	331.1	333.3
30°	946.2	929.5	856.5	690.0	501.7	300.0	272.8	277.9	289.1	304.5	304.8
32.5°	1040.9	1018.2	918.6	714.0	479.6	289.1	265.8	262.2	264.8	276.6	278.9
35°	1152.4	1122.9	987.1	736.8	439.3	268.0	253.0	241.1	240.1	245.9	251.4
37.5°	1280.1	1244.9	1073.6	765.9	391.6	245.9	234.1	222.2	217.1	220.0	228.3
40°	1398.0	1358.9	1163.9	801.1	342.9	226.1	212.0	199.8	193.7	194.7	204.9
42.5°	1536.3	1495.9	1274.4	847.2	302.6	212.6	188.9	176.4	168.4	172.9	184.8
45°	1746.3	1700.5	1435.4	887.2	270.6	209.4	168.7	151.1	147.3	155.0	169.1
47.5°	2033.2	1977.2	1656.7	911.6	243.3	212.3	154.7	130.6	131.6	140.2	154.3
50°	2317.9	2257.3	1912.5	879.6	220.9	206.5	147.6	114.6	120.7	128.4	141.2
52.5°	2513.5	2434.7	2037.1	787.0	200.4	184.8	147.0	99.6	111.1	113.7	124.6
55°	2521.2	2424.2	1973.3	620.5	172.6	155.9	140.2	87.1	100.5	101.5	110.8
57.5°	2210.0	2122.2	1724.5	426.2	153.4	114.3	111.7	76.2	82.6	90.6	96.4
60°	1681.3	1606.7	1289.7	195.3	116.5	72.7	76.5	65.6	61.8	73.6	79.4
62.5°	1029.7	982.0	773.6	86.5	74.3	38.7	46.4	52.2	46.4	50.9	55.7
65°	408.9	387.8	293.6	36.8	30.4	19.5	21.1	30.4	32.7	35.9	40.3
67.5°	71.1	67.2	49.3	16.3	12.5	11.8	10.2	14.1	19.9	22.1	25.6
70°	9.3	9.0	8.0	6.7	6.4	5.8	4.5	9.0	13.4	14.1	16.3
72.5°	2.2	1.9	1.9	1.6	1.9	0.6	0.6	4.8	9.6	9.9	11.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.1	6.7	8.0
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°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	372.4	366.0	363.7	360.5	356.4	357.7	351.9	350.0	352.9	356.7	355.7
5°	338.4	331.4	326.6	319.2	317.9	315.1	313.1	310.6	313.8	318.3	319.2
7.5°	311.5	305.5	300.7	298.4	296.8	295.5	291.7	289.8	289.8	291.7	293.3
10°	300.0	295.5	294.6	295.2	297.8	297.5	293.9	291.4	288.2	286.6	288.5
12.5°	316.0	308.7	307.4	307.7	310.9	310.6	306.7	303.5	302.9	303.5	309.6
15°	343.2	332.0	323.7	322.1	323.7	323.1	320.2	318.3	319.2	328.5	338.8
17.5°	367.6	350.3	335.2	329.5	329.2	328.2	325.3	324.7	329.5	346.8	361.8
20°	374.6	357.7	336.2	328.8	327.2	326.3	323.1	324.0	330.1	350.9	363.7
22.5°	365.3	349.0	326.6	319.2	317.9	317.6	314.4	315.7	320.8	339.1	349.6
25°	347.7	334.0	310.6	304.2	304.2	303.5	300.7	301.3	304.5	320.5	330.8
27.5°	326.3	313.1	293.6	287.2	288.2	289.1	285.6	284.6	287.2	302.3	308.3
30°	301.6	292.3	277.0	271.2	270.9	274.7	269.9	268.6	272.2	284.0	285.3
32.5°	277.6	273.1	262.2	257.8	258.1	258.7	256.2	256.2	259.4	265.8	265.4
35°	254.2	251.4	249.4	246.2	245.9	244.6	244.6	245.3	248.8	251.0	246.9
37.5°	231.8	234.7	236.9	233.7	231.2	231.2	231.2	234.1	237.3	236.3	229.3
40°	212.0	218.1	225.1	221.6	215.5	215.2	216.4	221.3	226.1	220.3	213.9
42.5°	195.0	202.7	212.6	210.7	204.0	203.0	204.0	210.0	213.9	206.5	199.5
45°	178.3	188.0	199.8	199.8	192.4	191.5	191.8	199.8	202.0	193.4	184.4
47.5°	164.3	174.8	187.3	187.3	181.2	179.3	180.9	189.2	190.8	178.7	170.3
50°	150.8	162.3	176.1	175.1	171.0	169.4	172.3	181.2	179.3	165.9	157.2
52.5°	133.8	146.0	164.9	165.9	163.6	163.9	167.5	173.2	167.8	151.5	144.1
55°	118.5	131.0	149.8	155.0	155.0	154.7	156.3	160.7	156.3	136.7	127.8
57.5°	101.8	112.4	128.1	129.4	130.3	126.8	129.0	135.1	132.9	116.2	111.1
60°	83.6	92.5	101.5	102.5	98.3	90.9	95.1	102.1	103.7	91.3	85.5
62.5°	59.2	67.9	78.4	78.4	74.3	66.9	72.4	78.4	76.2	63.4	59.9
65°	44.2	52.2	60.2	63.7	60.2	55.1	59.2	63.7	60.2	49.6	44.5
67.5°	28.5	33.9	38.7	41.6	42.3	41.6	43.5	42.3	38.1	31.1	28.2
70°	17.3	20.2	22.7	25.3	27.2	28.2	29.1	26.3	22.1	18.3	17.3
72.5°	12.5	15.0	17.3	19.2	21.5	22.1	22.1	20.2	16.3	12.8	11.8
75°	8.6	10.9	12.8	14.1	16.0	16.6	16.6	15.0	12.2	9.3	8.3
77.5°	0.3	2.2	2.2	1.9	2.6	3.2	3.2	3.8	3.5	2.6	2.2
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°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	357.7	369.2	372.4	384.2	394.8	405.4	418.2	425.9	437.4	445.4	449.9
5°	322.4	332.0	343.6	361.2	379.4	399.6	423.9	445.1	471.6	491.2	497.6
7.5°	296.8	309.3	322.8	344.8	369.8	396.7	431.0	465.6	506.2	532.8	549.8
10°	292.0	304.8	322.8	344.5	370.8	401.5	443.5	488.3	539.2	571.5	590.8
12.5°	315.1	328.8	336.5	346.4	366.3	400.6	454.4	511.3	571.2	606.4	626.9
15°	349.0	361.2	348.7	336.2	349.0	390.3	460.4	530.6	599.4	640.1	661.2
17.5°	372.4	373.3	346.1	319.6	323.1	371.7	462.7	549.8	629.5	672.1	694.2
20°	370.1	362.5	334.9	305.5	294.6	347.7	460.1	566.7	659.9	704.4	726.2
22.5°	352.9	343.9	320.5	291.7	270.6	319.2	455.6	582.1	687.8	738.4	758.9
25°	332.0	322.4	303.2	277.9	255.2	291.7	452.1	603.2	723.0	782.5	798.6
27.5°	307.7	299.4	283.0	264.8	248.8	270.9	451.1	631.1	765.6	836.3	847.5
30°	284.0	276.3	263.5	253.0	246.2	258.7	447.9	660.9	816.5	898.1	910.3
32.5°	261.3	253.6	245.6	244.0	244.3	254.2	437.1	690.3	877.0	987.8	996.8
35°	241.7	232.8	229.6	233.4	240.5	246.5	406.3	714.7	942.0	1085.4	1092.8
37.5°	223.2	214.2	213.9	223.2	230.9	234.7	370.1	738.7	1029.7	1184.7	1194.0
40°	206.2	197.2	200.4	211.6	217.7	219.7	326.3	775.2	1122.6	1289.4	1284.3
42.5°	191.8	182.5	184.4	198.8	204.3	209.4	285.9	805.6	1211.9	1388.7	1387.1
45°	177.7	170.7	169.4	185.1	189.9	210.4	256.5	829.0	1326.9	1515.1	1517.7
47.5°	163.9	158.5	158.8	165.5	177.4	215.2	231.5	844.3	1493.7	1715.6	1671.1
50°	151.5	147.3	150.8	143.1	169.4	209.1	210.0	841.1	1680.0	1907.7	1818.4
52.5°	137.7	136.7	138.3	119.8	156.6	184.4	189.9	798.6	1767.5	2039.0	1988.1
55°	123.6	123.3	110.5	95.7	131.0	147.3	162.7	666.3	1764.6	2108.8	2170.6
57.5°	106.9	104.4	83.9	78.1	101.8	102.5	148.2	436.4	1563.8	1941.6	2069.7
60°	81.0	79.1	61.5	63.4	71.1	65.6	118.2	217.4	1168.7	1512.6	1657.0
62.5°	56.0	53.5	45.8	49.0	45.8	37.5	72.4	107.6	707.9	955.1	1086.1
65°	41.0	38.1	31.4	26.9	21.5	21.5	27.5	41.3	274.1	406.0	489.6
67.5°	25.3	24.0	18.6	13.4	13.1	14.1	14.4	20.5	44.2	70.4	86.1
70°	16.3	15.0	12.5	8.6	8.0	8.3	8.6	9.6	11.2	12.2	14.7
72.5°	11.2	10.6	9.0	4.8	3.8	4.2	4.5	4.5	5.4	5.1	6.1
75°	8.0	7.4	6.4	2.2	1.3	1.6	1.9	1.6	1.9	1.3	1.6
77.5°	2.2	2.2	1.6	0.3	0.0	0.3	0.6	0.6	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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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	461.4	468.8	471.6	467.5	471.0	465.2	463.0	454.4	453.7	452.1
5°	523.5	540.2	550.1	556.2	549.1	541.4	529.9	510.1	504.0	500.1
7.5°	584.7	610.6	627.6	635.6	633.7	618.0	597.2	563.9	552.0	546.2
10°	637.8	669.5	690.0	699.9	695.8	682.0	652.2	610.6	594.9	591.4
12.5°	675.0	704.1	718.2	726.8	727.2	721.7	693.5	651.6	633.0	628.5
15°	698.3	710.8	711.1	716.3	725.2	737.4	724.3	687.1	667.3	660.6
17.5°	713.1	699.3	685.2	686.5	701.2	733.6	747.0	718.5	697.4	690.0
20°	723.6	680.1	653.8	654.2	669.2	718.2	762.7	748.9	727.2	720.4
22.5°	730.4	663.1	625.7	624.7	640.7	699.9	777.1	785.1	763.7	756.0
25°	744.1	655.1	608.7	614.1	628.2	694.2	796.6	833.1	813.3	803.0
27.5°	768.8	663.1	607.1	619.6	635.6	711.1	830.6	897.2	876.7	865.2
30°	811.4	693.2	631.7	649.0	668.2	755.7	887.6	986.5	957.1	946.2
32.5°	879.9	755.7	707.9	745.1	763.7	828.7	973.1	1086.7	1062.7	1040.9
35°	974.3	898.1	892.7	979.1	974.7	967.0	1078.1	1209.7	1173.5	1152.4
37.5°	1104.3	1127.4	1167.7	1253.5	1250.7	1192.1	1216.1	1325.9	1307.3	1280.1
40°	1266.7	1315.7	1384.2	1507.1	1468.7	1395.1	1385.5	1445.0	1430.0	1398.0
42.5°	1362.4	1446.9	1577.6	1688.0	1657.3	1528.6	1517.7	1604.2	1571.2	1536.3
45°	1406.9	1553.9	1810.0	1959.6	1866.4	1617.3	1613.1	1811.6	1793.1	1746.3
47.5°	1427.4	1661.8	2082.2	2308.6	2134.4	1695.1	1680.0	2112.6	2088.3	2033.2
50°	1450.1	1810.7	2410.1	2713.0	2458.1	1783.1	1794.0	2393.1	2382.9	2317.9
52.5°	1500.1	1968.2	2813.8	3175.3	2850.7	1921.1	1989.7	2657.6	2588.4	2513.5
55°	1575.0	2139.8	3233.9	3647.6	3251.2	2106.5	2201.3	2798.2	2604.1	2521.2
57.5°	1492.1	2182.7	3482.7	3977.4	3428.9	2107.2	2022.3	2554.5	2290.3	2210.0
60°	1184.1	2030.7	3387.0	3906.0	3277.5	1871.2	1548.4	1994.5	1735.1	1681.3
62.5°	800.5	1703.1	2981.6	3303.4	2805.2	1471.9	1006.4	1297.1	1074.2	1029.7
65°	438.7	1270.5	2409.1	2499.1	2195.6	1028.1	517.7	562.9	428.7	408.9
67.5°	121.0	884.4	1772.6	1657.9	1540.4	669.5	133.8	100.5	71.7	71.1
70°	30.4	585.0	1062.1	1094.7	944.6	428.7	25.6	12.2	9.6	9.3
72.5°	12.8	251.7	504.0	579.2	483.5	198.5	9.3	3.5	2.9	2.2
75°	1.6	20.2	42.9	65.0	44.5	21.5	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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