

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: P628639

Luminaire Tested: GWS-SA1A-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1963.2 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

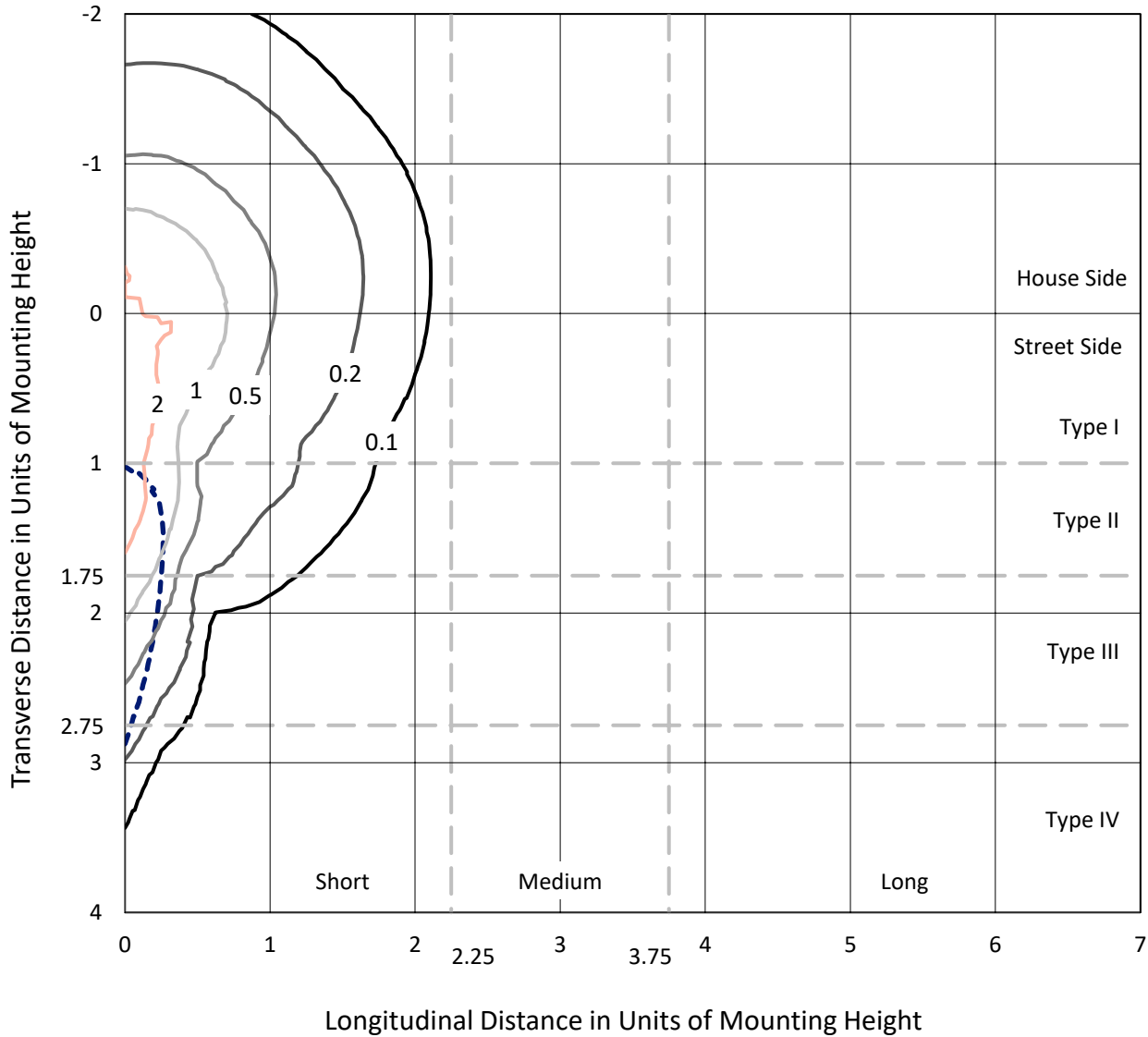
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

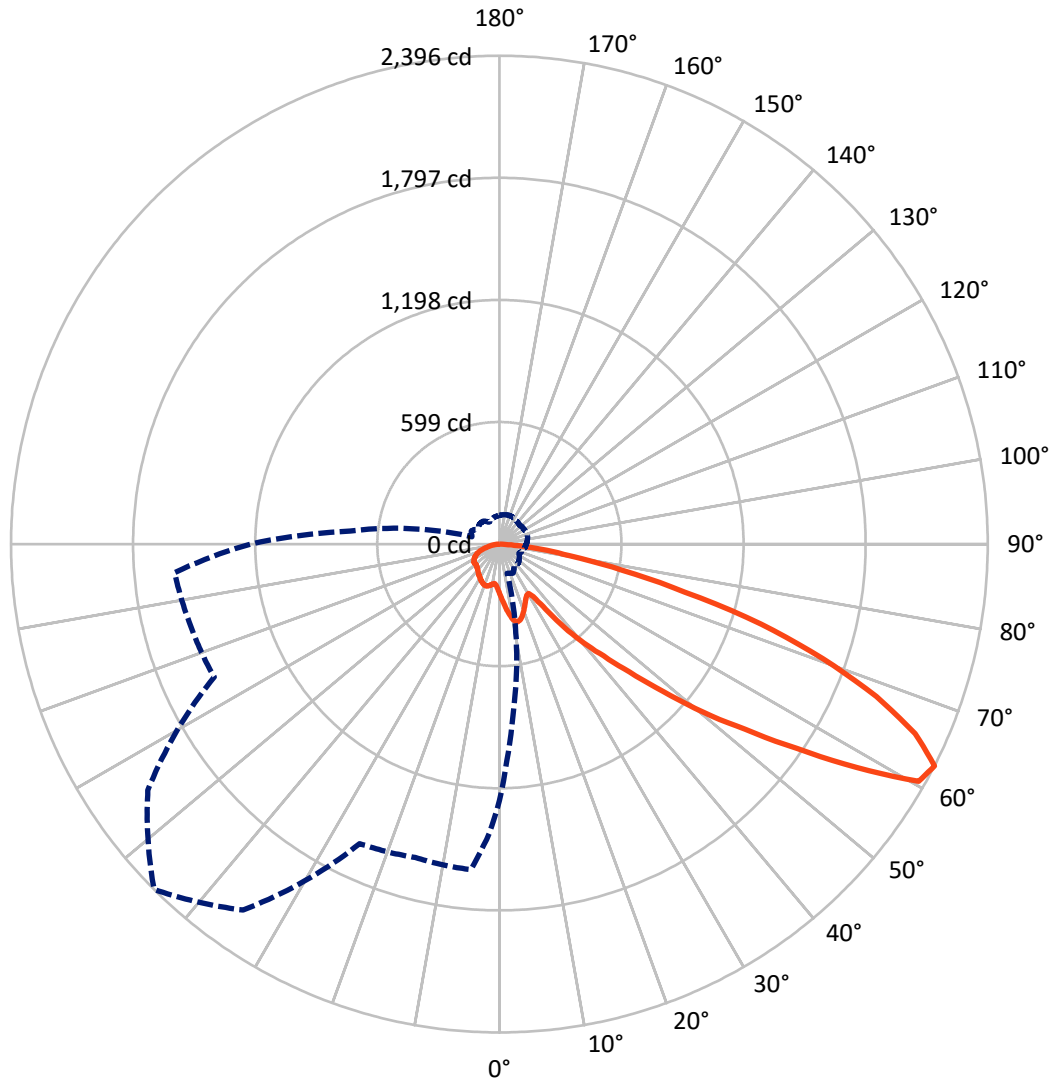
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.4	0.0	469.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	1493.8	0.0	1493.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	1963.2	0.0	1963.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.2
10°-20°	78.4	4.0
20°-30°	123.4	6.3
30°-40°	169.1	8.6
40°-50°	263.9	13.4
50°-60°	454.9	23.2
60°-70°	527.2	26.9
70°-80°	278.3	14.2
80°-90°	44.0	2.2
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°	1963.2	100.0
0°-180°	1963.2	100.0

Coefficient of Utilization



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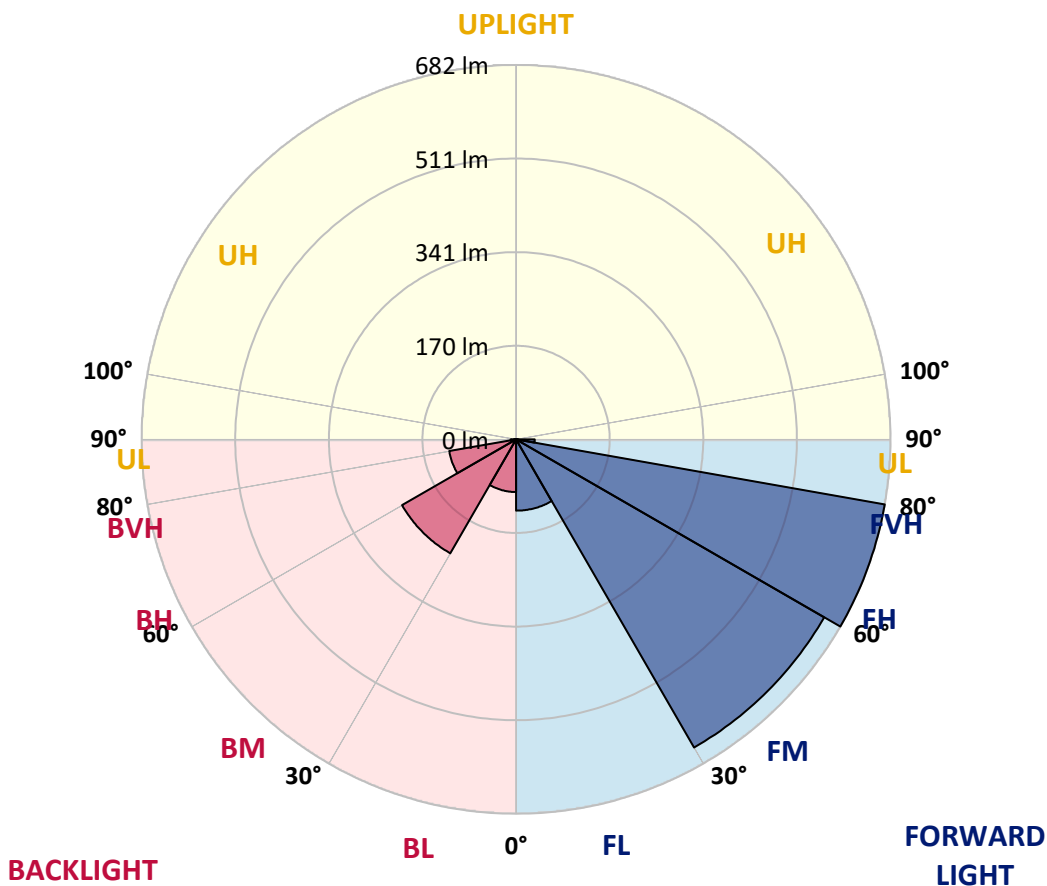
CATALOG NUMBER: GWS-SA1A-722-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.8	6.6			
FM (30°-60°)	648.1	33.0			
FH (60°-80°)	681.9	34.7			G1/1800
FVH (80°-90°)	33.9	1.7			G1/100
BL (0°-30°)	96.0	4.9	B0/110		
BM (30°-60°)	239.8	12.2	B1/1000		
BH (60°-80°)	123.6	6.3	B1/500		G1/500
BVH (80°-90°)	10.0	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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	265.9	264.9	263.4	258.3	255.1	251.5	247.8	243.4	238.5	235.0	231.6
5°	288.5	286.8	283.2	271.0	262.6	253.5	245.8	237.1	228.6	222.7	216.8
7.5°	310.1	308.0	302.4	283.8	270.1	256.9	245.4	232.8	220.0	211.3	204.4
10°	331.7	327.4	320.3	296.0	278.0	262.6	249.4	234.0	217.0	205.1	197.8
12.5°	348.2	344.2	336.5	307.1	285.8	266.5	251.7	237.4	223.0	210.4	202.9
15°	363.7	358.4	349.7	317.5	292.2	266.4	247.2	234.7	223.6	229.5	219.7
17.5°	374.8	370.0	361.0	325.9	295.8	261.7	234.7	227.4	236.8	246.4	237.1
20°	384.6	379.0	369.9	331.7	296.6	251.4	219.5	219.7	234.6	247.8	245.5
22.5°	392.8	386.7	378.6	338.3	296.3	237.0	206.3	215.3	230.2	240.6	240.9
25°	403.0	397.9	391.2	348.1	296.3	222.2	196.7	210.1	222.8	231.6	231.3
27.5°	415.5	412.1	406.5	363.0	299.0	209.9	191.3	203.3	213.4	220.9	220.7
30°	429.5	426.3	422.1	378.7	303.6	200.8	188.3	194.9	202.3	208.3	208.3
32.5°	443.7	442.5	438.0	391.3	300.0	197.9	185.8	186.5	190.4	195.4	194.9
35°	463.6	462.4	456.7	401.1	284.4	193.9	181.7	177.9	178.4	181.6	182.6
37.5°	492.5	490.7	482.3	412.5	260.8	183.7	175.1	168.9	167.6	168.9	170.9
40°	527.5	524.8	513.4	428.0	233.7	169.8	164.7	159.6	157.4	157.8	160.1
42.5°	571.4	565.7	549.3	444.3	206.8	157.7	153.2	150.0	147.5	147.2	151.5
45°	642.6	626.9	601.0	458.9	184.1	151.2	142.8	140.6	138.5	139.7	144.8
47.5°	766.9	738.1	687.5	471.4	170.3	151.4	134.5	132.1	132.0	134.4	140.1
50°	937.8	896.2	818.1	479.8	163.1	153.2	129.6	125.7	128.5	130.9	136.4
52.5°	1101.5	1037.9	945.0	479.6	159.9	153.5	130.9	119.7	128.5	129.1	134.2
55°	1241.3	1126.2	979.2	430.4	155.4	152.3	136.2	115.0	126.9	129.1	133.2
57.5°	1352.4	1182.4	976.7	347.6	169.1	145.7	139.4	114.0	122.1	129.4	134.1
60°	1340.1	1156.7	913.8	213.4	167.7	133.9	138.9	115.9	114.0	125.4	133.0
62.5°	1258.2	1064.7	805.5	148.1	157.5	127.2	131.5	119.4	106.5	119.5	127.9
65°	1143.7	945.9	671.2	113.5	130.5	127.5	119.1	117.0	99.9	110.2	119.2
67.5°	992.1	798.6	529.9	89.9	91.0	110.4	108.1	103.9	93.7	102.0	110.1
70°	745.9	582.8	364.6	72.4	68.9	92.2	97.2	93.4	87.7	90.1	98.7
72.5°	525.6	380.5	199.7	57.4	53.2	70.9	84.4	83.8	77.5	79.3	87.7
75°	390.6	269.2	124.8	45.4	43.2	50.8	70.7	72.5	67.3	69.4	75.8
77.5°	259.9	174.3	69.4	33.6	33.6	37.1	52.7	61.1	57.2	58.9	63.4
80°	143.4	88.7	34.7	22.1	22.7	25.5	38.4	44.0	44.1	48.2	49.4
82.5°	45.4	28.2	15.5	12.9	12.2	14.6	24.8	31.5	29.4	37.5	34.5
85°	10.4	6.6	2.9	2.9	3.2	4.8	9.5	16.8	21.5	25.8	18.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	6.6	9.8	8.7
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°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	229.5	226.5	225.5	223.0	222.7	220.3	219.4	219.4	220.4	220.4	221.5
5°	214.4	210.7	208.6	205.6	204.8	203.0	201.8	202.0	203.3	204.2	206.0
7.5°	201.2	198.7	197.2	195.8	195.5	195.2	193.9	193.7	194.2	195.5	196.9
10°	195.7	193.9	194.3	195.4	197.0	197.9	196.7	196.1	195.7	196.6	197.8
12.5°	201.1	199.3	200.2	202.0	204.2	205.1	204.7	204.5	205.0	208.4	211.0
15°	212.9	209.5	208.3	209.0	210.8	211.7	211.3	211.9	214.7	223.7	230.2
17.5°	227.7	219.2	214.4	213.1	213.8	214.6	214.6	216.1	221.0	234.3	242.4
20°	235.6	224.6	216.5	213.2	213.5	214.3	214.3	216.4	221.9	236.1	241.3
22.5°	233.5	223.4	213.5	209.9	210.1	210.7	210.7	212.5	217.4	229.9	232.3
25°	225.2	216.4	206.6	203.5	203.8	204.8	204.5	205.6	209.3	219.5	220.9
27.5°	215.3	207.5	197.9	195.5	196.9	199.0	197.2	197.3	200.8	209.3	209.5
30°	204.7	198.2	189.7	187.9	190.4	191.5	189.8	189.8	193.3	199.1	199.0
32.5°	193.1	189.1	182.9	180.9	183.8	185.5	183.4	183.7	186.4	190.3	188.8
35°	182.3	180.2	177.3	176.0	177.8	179.3	177.9	178.5	181.1	182.2	180.0
37.5°	171.9	171.6	171.9	171.9	172.4	172.8	171.9	173.4	175.7	174.3	171.9
40°	162.9	164.1	167.0	166.2	165.8	166.2	165.6	168.2	170.4	168.0	165.2
42.5°	155.4	157.7	162.0	162.0	161.1	161.4	161.1	164.3	165.9	162.6	159.5
45°	149.0	152.3	157.8	158.6	157.1	157.1	157.7	161.6	162.2	157.7	154.4
47.5°	144.5	148.5	154.8	156.2	153.9	153.8	155.4	159.6	159.6	154.4	150.6
50°	141.3	145.8	153.3	155.1	152.9	152.3	155.0	159.0	158.1	151.8	148.1
52.5°	139.2	143.9	153.2	155.7	154.2	153.6	156.3	159.2	156.9	150.2	146.3
55°	137.9	143.0	153.6	155.7	154.1	153.0	155.7	158.3	157.1	149.3	145.5
57.5°	138.6	143.7	153.0	154.1	152.1	150.3	153.5	157.1	156.6	149.6	145.8
60°	137.4	142.1	149.7	150.0	146.7	143.9	148.5	153.9	153.9	148.5	145.2
62.5°	131.8	136.5	143.3	143.6	139.8	136.7	142.1	148.5	148.4	144.0	140.6
65°	122.7	127.0	134.7	135.4	131.7	128.4	133.9	140.0	140.4	136.5	133.5
67.5°	112.6	116.5	122.2	125.2	122.1	118.6	123.7	129.4	129.3	124.6	121.5
70°	100.6	104.2	109.5	112.0	110.1	106.8	111.4	114.4	113.1	110.8	108.7
72.5°	88.7	92.2	97.2	97.2	95.1	91.9	93.3	98.7	100.3	98.7	97.3
75°	76.3	79.3	82.7	83.5	78.8	73.1	79.4	84.1	86.0	85.3	83.6
77.5°	63.5	65.8	70.9	69.5	60.8	57.8	62.9	69.8	71.2	70.7	68.5
80°	49.0	50.3	55.7	53.0	46.3	44.3	46.6	52.0	52.3	50.8	47.9
82.5°	32.9	34.7	38.3	33.0	32.9	31.1	29.3	29.9	32.6	32.3	30.3
85°	16.8	17.7	21.2	19.8	17.0	14.7	14.0	14.9	13.4	12.2	10.5
87.5°	7.1	7.7	10.5	5.9	1.8	0.0	0.0	0.9	1.4	2.0	2.1
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°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	223.9	225.5	229.6	234.7	239.7	244.8	250.3	253.8	258.0	263.4	263.5
5°	208.3	212.0	217.9	225.7	233.8	243.1	253.9	262.9	273.8	282.3	285.8
7.5°	198.7	204.1	211.4	221.3	232.0	243.6	257.7	272.9	290.6	302.0	308.7
10°	199.6	207.8	215.2	223.6	233.2	245.7	263.8	284.0	305.7	320.8	329.2
12.5°	215.6	224.3	223.0	222.5	229.0	244.2	268.8	295.2	321.8	336.8	346.9
15°	235.9	239.2	226.5	216.8	220.7	238.8	271.5	305.3	335.2	353.5	363.4
17.5°	246.3	239.7	224.2	209.8	208.7	230.5	272.9	315.5	350.2	368.5	379.0
20°	241.5	231.9	218.8	205.1	197.6	219.2	272.1	323.6	363.9	384.3	392.8
22.5°	231.1	222.7	212.5	199.4	188.6	206.9	270.1	331.7	376.0	396.6	404.1
25°	219.8	213.5	205.1	193.7	183.5	196.1	268.8	342.5	390.0	409.7	414.5
27.5°	208.6	203.9	197.0	188.2	182.3	188.6	269.2	356.6	408.0	426.6	424.7
30°	197.5	193.4	188.6	184.7	182.2	186.8	268.0	371.7	427.8	445.1	433.5
32.5°	187.0	183.2	180.2	180.8	182.3	187.6	261.9	385.3	446.0	460.7	443.1
35°	177.9	174.0	174.0	176.1	181.7	185.0	246.0	396.0	466.1	480.8	456.8
37.5°	169.5	166.1	168.3	171.8	177.0	178.1	225.5	406.3	495.4	509.2	478.0
40°	162.2	158.7	162.8	167.1	169.8	169.4	204.8	420.8	529.9	544.2	506.1
42.5°	156.3	153.2	156.8	162.3	162.8	163.2	189.7	434.6	570.0	588.2	554.4
45°	151.5	149.3	151.1	156.6	156.6	163.5	180.2	446.1	630.4	662.5	643.2
47.5°	147.8	146.4	147.3	149.1	152.1	168.9	174.2	455.0	740.3	803.4	783.9
50°	145.7	144.3	145.5	141.8	150.8	171.6	172.2	461.8	885.2	984.0	959.9
52.5°	143.9	143.4	144.2	135.4	153.8	169.8	170.7	452.8	982.4	1161.8	1185.7
55°	143.3	143.6	140.0	130.8	157.4	163.8	166.2	388.3	1008.8	1315.2	1463.4
57.5°	143.6	142.7	133.5	131.2	157.5	151.8	172.7	277.1	970.4	1381.8	1735.0
60°	142.5	138.0	125.7	135.3	150.6	137.7	168.0	180.6	869.0	1330.6	1750.8
62.5°	137.9	131.2	118.9	137.6	138.3	129.3	152.6	139.2	733.9	1221.0	1598.8
65°	131.1	122.2	113.2	132.9	125.8	125.4	114.7	111.6	590.2	1090.5	1454.7
67.5°	120.0	111.1	109.0	122.2	113.2	111.1	92.2	92.5	470.9	951.5	1309.7
70°	107.4	98.5	100.2	110.5	100.8	92.4	74.6	77.0	357.2	792.7	1114.4
72.5°	99.1	87.2	87.4	97.3	88.6	74.8	61.4	63.5	226.8	597.5	886.0
75°	83.6	76.9	73.6	78.8	75.2	58.3	51.7	51.2	134.4	428.3	663.4
77.5°	69.8	64.6	62.9	65.0	56.2	43.1	41.6	40.8	76.1	274.4	434.7
80°	50.6	49.3	49.1	50.2	43.2	31.7	31.7	31.8	41.0	149.0	245.1
82.5°	32.1	35.1	31.1	34.5	29.4	22.5	21.0	23.9	23.6	63.5	103.3
85°	13.4	18.3	17.1	18.2	14.0	12.3	13.2	14.3	13.7	24.5	40.2
87.5°	2.6	3.0	3.3	3.2	3.2	3.9	4.4	5.3	5.3	7.1	12.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	269.2	273.6	272.7	274.7	272.1	273.0	267.9	266.5	265.6	265.9
5°	296.9	305.7	307.4	310.7	308.4	308.4	299.4	292.7	290.3	288.5
7.5°	325.0	337.7	346.1	347.0	345.8	343.4	330.4	318.2	313.8	310.1
10°	349.9	365.2	374.7	379.2	376.9	373.2	356.9	340.3	335.0	331.7
12.5°	369.0	382.5	388.8	391.8	391.5	390.1	376.9	358.9	353.3	348.2
15°	381.3	388.0	385.6	385.5	387.6	393.0	388.9	374.8	368.4	363.7
17.5°	389.2	382.8	372.1	367.2	371.7	384.4	393.7	385.8	379.9	374.8
20°	392.1	369.1	353.6	344.5	349.7	368.2	391.2	393.7	388.8	384.6
22.5°	388.8	352.4	331.4	320.6	325.7	347.8	383.7	400.2	396.9	392.8
25°	380.7	335.0	309.8	300.0	305.6	328.1	370.3	406.2	406.3	403.0
27.5°	370.6	319.0	294.6	285.5	290.9	311.9	357.2	411.5	416.7	415.5
30°	360.4	309.3	287.4	281.0	285.0	303.6	343.9	416.9	427.4	429.5
32.5°	355.7	314.0	304.4	307.2	302.0	308.4	339.1	424.5	440.3	443.7
35°	361.9	355.3	379.6	390.9	372.3	347.8	345.2	436.1	458.5	463.6
37.5°	391.8	443.7	480.1	519.7	487.4	433.5	375.7	455.8	484.4	492.5
40°	456.8	520.9	586.5	637.8	589.0	516.4	433.7	485.0	520.2	527.5
42.5°	518.1	593.3	683.7	749.9	686.6	584.1	496.1	534.3	567.3	571.4
45°	578.1	664.3	801.3	893.3	807.3	648.6	560.0	617.5	642.4	642.6
47.5°	648.6	744.4	948.7	1079.8	967.5	719.9	619.9	749.2	783.9	766.9
50°	732.8	824.0	1100.6	1296.8	1162.9	807.6	696.0	909.7	957.0	937.8
52.5°	845.6	911.7	1267.9	1508.4	1375.8	907.5	806.4	1121.7	1137.4	1101.5
55°	1004.3	1038.2	1482.6	1769.7	1613.5	1030.4	967.8	1387.8	1344.1	1241.3
57.5°	1365.8	1238.6	1758.3	2067.8	1882.5	1253.9	1321.6	1681.3	1525.8	1352.4
60°	1668.2	1481.8	2013.4	2363.6	2113.0	1500.2	1653.8	1732.3	1519.1	1340.1
62.5°	1566.2	1543.9	2105.5	2396.2	2191.7	1621.3	1592.1	1603.6	1420.0	1258.2
65°	1374.2	1424.2	2023.3	2241.7	2104.4	1512.8	1440.1	1484.7	1306.6	1143.7
67.5°	1260.8	1297.6	1877.2	1994.4	1945.8	1395.3	1321.9	1289.6	1130.6	992.1
70°	1144.9	1175.3	1672.1	1684.0	1698.5	1200.1	1080.9	984.8	842.7	745.9
72.5°	989.3	990.9	1412.8	1344.0	1371.6	939.1	870.1	736.3	613.4	525.6
75°	830.0	784.6	1118.3	939.4	994.8	730.6	722.4	554.9	462.7	390.6
77.5°	632.8	579.8	816.9	617.8	698.7	486.5	543.1	376.3	325.6	259.9
80°	424.8	391.8	451.4	348.7	457.1	335.3	354.2	213.2	184.9	143.4
82.5°	224.0	191.3	279.0	206.8	275.7	184.3	132.9	65.9	56.2	45.4
85°	86.8	100.5	136.8	73.6	106.9	65.8	38.4	16.4	13.7	10.4
87.5°	16.8	26.0	14.3	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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