

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: P629134

Luminaire Tested: GWS-SA1B-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629134
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-SA1B-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: 2474.3 lumens
Efficiency: N/A
Efficacy: 99.0 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

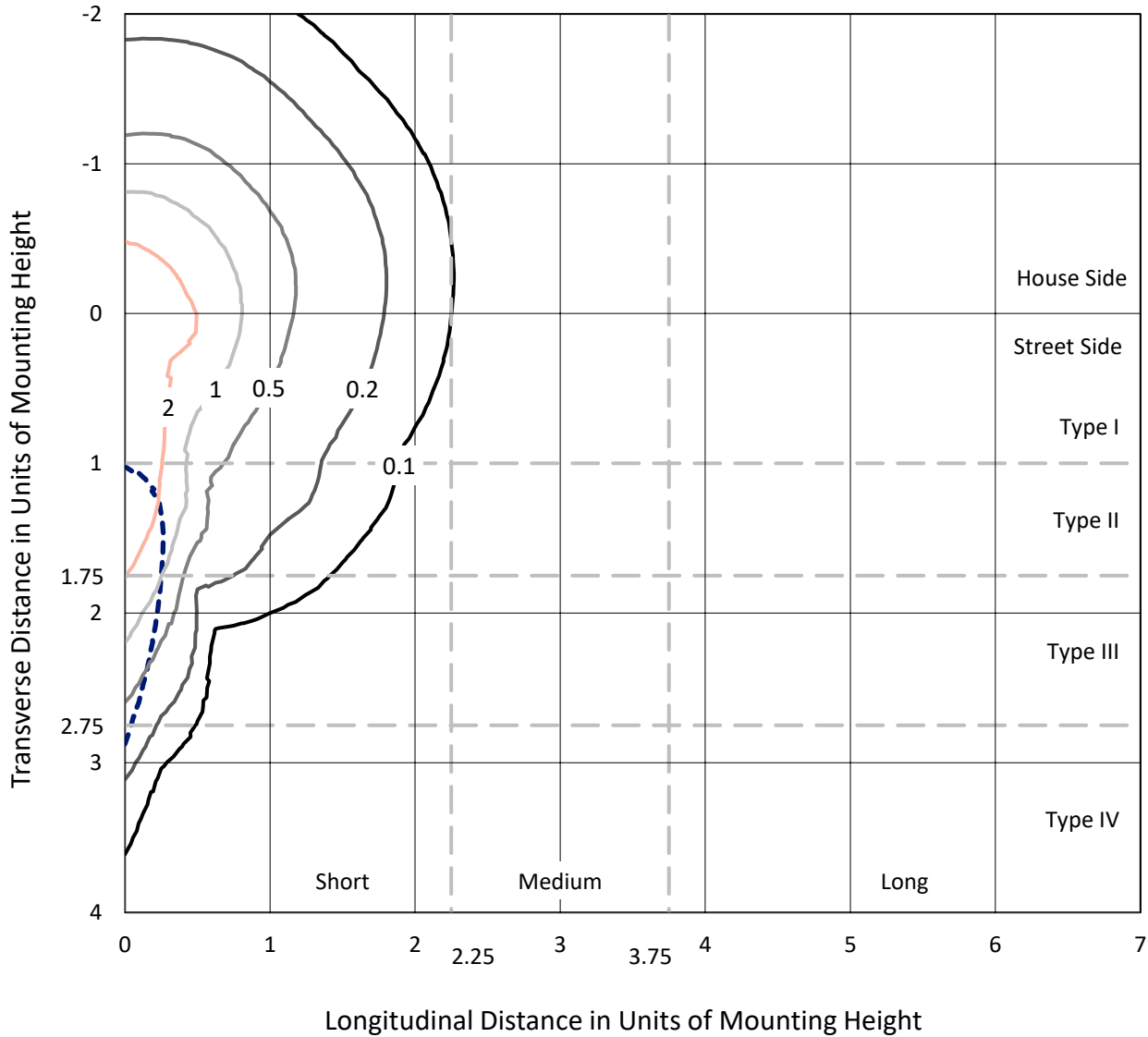
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

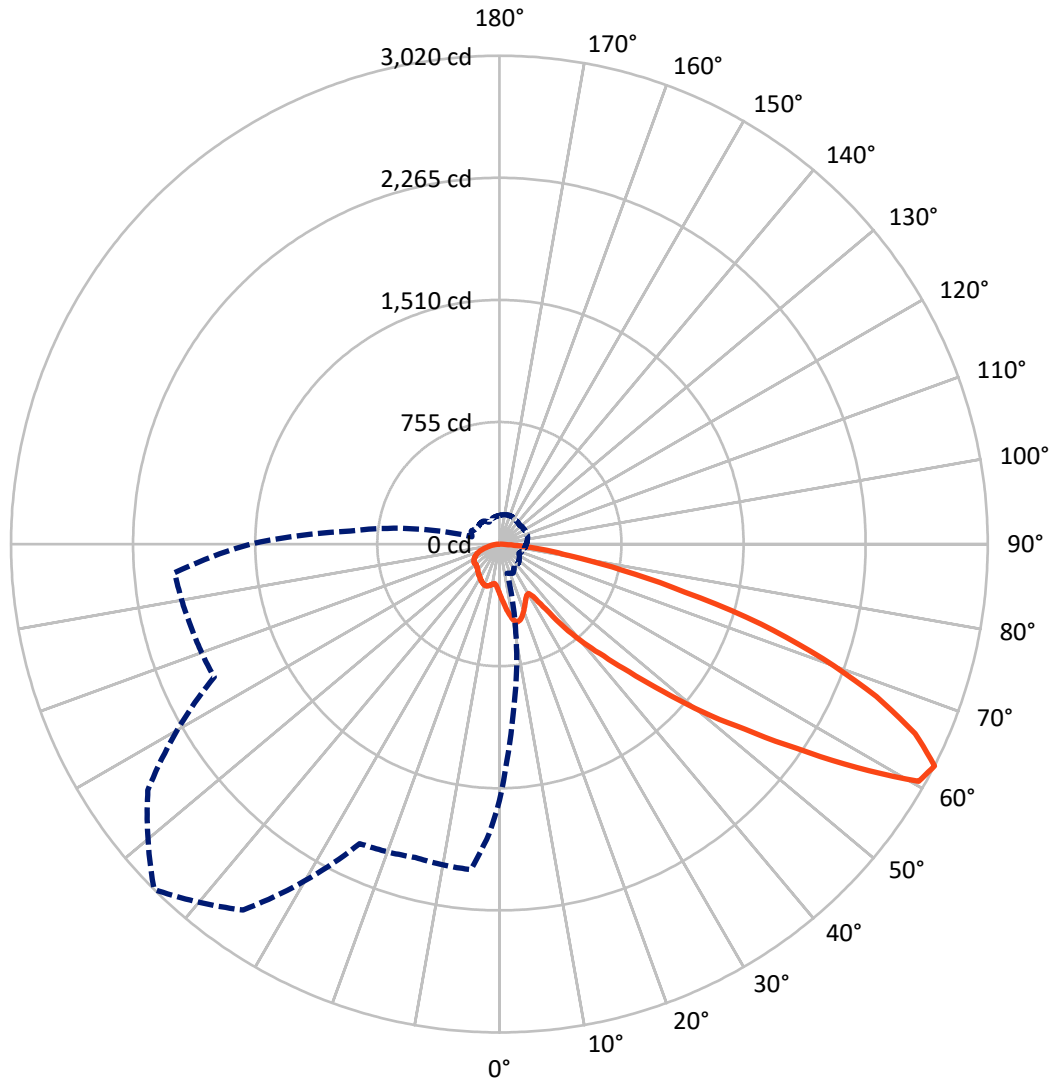
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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	591.6	0.0	591.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	1882.7	0.0	1882.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	2474.3	0.0	2474.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	1.2
10°-20°	98.8	4.0
20°-30°	155.5	6.3
30°-40°	213.1	8.6
40°-50°	332.5	13.4
50°-60°	573.4	23.2
60°-70°	664.5	26.9
70°-80°	350.7	14.2
80°-90°	55.4	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°	2474.3	100.0
0°-180°	2474.3	100.0

Coefficient of Utilization



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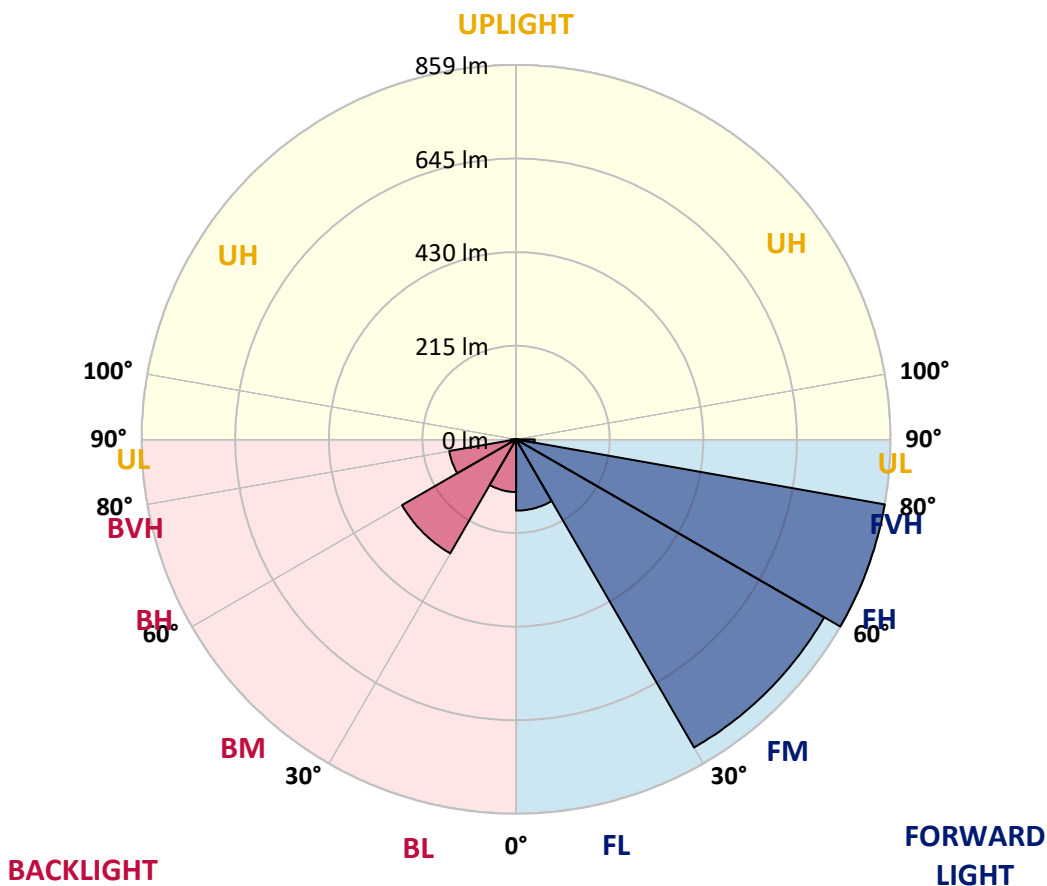
CATALOG NUMBER: GWS-SA1B-722-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.6	6.6			
FM (30°-60°)	816.8	33.0			
FH (60°-80°)	859.4	34.7			G1/1800
FVH (80°-90°)	42.8	1.7			G1/100
BL (0°-30°)	121.0	4.9	B1/500		
BM (30°-60°)	302.2	12.2	B1/1000		
BH (60°-80°)	155.8	6.3	B1/500		G1/500
BVH (80°-90°)	12.6	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°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	335.2	333.9	332.0	325.5	321.6	317.0	312.3	306.8	300.5	296.2	291.8
5°	363.6	361.5	356.9	341.6	331.0	319.5	309.8	298.8	288.1	280.7	273.3
7.5°	390.8	388.2	381.2	357.7	340.5	323.8	309.3	293.4	277.3	266.3	257.6
10°	418.1	412.6	403.7	373.0	350.3	331.0	314.4	294.9	273.5	258.5	249.3
12.5°	438.9	433.8	424.1	387.0	360.2	335.9	317.2	299.2	281.1	265.2	255.7
15°	458.4	451.8	440.8	400.1	368.3	335.7	311.5	295.8	293.2	289.2	276.9
17.5°	472.4	466.3	455.0	410.7	372.8	329.9	295.8	286.5	298.5	310.6	298.8
20°	484.7	477.7	466.1	418.1	373.8	316.8	276.7	276.9	295.6	312.3	309.4
22.5°	495.1	487.3	477.1	426.4	373.4	298.7	260.0	271.4	290.1	303.2	303.6
25°	508.0	501.5	493.0	438.7	373.4	280.1	247.9	264.8	280.9	291.8	291.5
27.5°	523.7	519.3	512.3	457.4	376.8	264.6	241.1	256.3	268.9	278.4	278.2
30°	541.3	537.3	532.0	477.3	382.7	253.0	237.3	245.7	254.9	262.5	262.5
32.5°	559.3	557.7	552.1	493.2	378.1	249.4	234.1	235.1	240.0	246.2	245.7
35°	584.2	582.7	575.5	505.5	358.5	244.3	229.0	224.3	224.8	228.8	230.1
37.5°	620.8	618.5	607.9	519.9	328.7	231.5	220.7	212.9	211.2	212.9	215.4
40°	664.9	661.5	647.1	539.4	294.5	214.1	207.6	201.2	198.3	198.9	201.8
42.5°	720.1	712.9	692.3	560.0	260.6	198.7	193.0	189.1	185.9	185.5	191.0
45°	809.8	790.2	757.4	578.4	232.0	190.6	180.0	177.1	174.5	176.0	182.4
47.5°	966.6	930.2	866.4	594.1	214.6	190.8	169.6	166.5	166.4	169.4	176.6
50°	1181.9	1129.5	1031.1	604.7	205.5	193.0	163.3	158.4	162.0	165.0	171.8
52.5°	1388.2	1308.2	1191.0	604.5	201.6	193.4	165.0	150.8	162.0	162.8	169.2
55°	1564.4	1419.5	1234.2	542.4	195.9	191.9	171.7	145.0	159.9	162.8	167.9
57.5°	1704.5	1490.2	1230.9	438.1	213.1	183.6	175.6	143.6	153.9	163.1	169.0
60°	1689.0	1457.9	1151.6	268.9	211.4	168.8	175.1	146.1	143.6	158.0	167.7
62.5°	1585.8	1341.9	1015.2	186.6	198.5	160.3	165.8	150.5	134.2	150.7	161.2
65°	1441.4	1192.1	846.0	143.1	164.5	160.7	150.1	147.4	125.9	138.9	150.3
67.5°	1250.4	1006.5	667.9	113.4	114.7	139.1	136.3	131.0	118.1	128.5	138.7
70°	940.1	734.5	459.5	91.2	86.9	116.2	122.5	117.7	110.5	113.6	124.3
72.5°	662.4	479.6	251.7	72.3	67.0	89.3	106.4	105.6	97.7	99.9	110.5
75°	492.3	339.3	157.3	57.2	54.5	64.0	89.1	91.4	84.8	87.4	95.6
77.5°	327.6	219.7	87.4	42.4	42.4	46.7	66.4	77.0	72.1	74.2	79.9
80°	180.7	111.9	43.7	27.8	28.6	32.2	48.5	55.5	55.6	60.8	62.3
82.5°	57.2	35.6	19.5	16.3	15.3	18.4	31.2	39.7	37.1	47.3	43.5
85°	13.1	8.3	3.6	3.6	4.0	6.1	11.9	21.2	27.1	32.6	23.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	8.3	12.3	11.0
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°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	289.2	285.4	284.3	281.1	280.7	277.6	276.5	276.5	277.8	277.8	279.2
5°	270.3	265.5	262.9	259.1	258.2	255.9	254.4	254.6	256.3	257.4	259.7
7.5°	253.6	250.4	248.5	246.8	246.4	246.0	244.3	244.1	244.7	246.4	248.1
10°	246.6	244.3	244.9	246.2	248.3	249.4	247.9	247.2	246.6	247.7	249.3
12.5°	253.4	251.1	252.3	254.6	257.4	258.5	258.0	257.8	258.3	262.7	265.9
15°	268.4	264.0	262.5	263.5	265.7	266.9	266.3	267.0	270.6	282.0	290.1
17.5°	286.9	276.3	270.3	268.6	269.5	270.5	270.5	272.3	278.6	295.2	305.5
20°	296.9	283.1	272.9	268.7	269.1	270.1	270.1	272.7	279.7	297.5	304.1
22.5°	294.3	281.6	269.1	264.6	264.8	265.5	265.5	267.8	274.0	289.8	292.8
25°	283.9	272.7	260.4	256.4	256.8	258.2	257.8	259.1	263.8	276.7	278.4
27.5°	271.4	261.6	249.4	246.4	248.1	250.8	248.5	248.7	253.0	263.8	264.0
30°	258.0	249.8	239.0	236.8	240.0	241.3	239.2	239.2	243.6	251.0	250.8
32.5°	243.4	238.3	230.5	228.1	231.7	233.7	231.1	231.5	234.9	239.8	237.9
35°	229.8	227.1	223.5	221.8	224.1	226.0	224.3	225.0	228.2	229.6	226.9
37.5°	216.7	216.3	216.7	216.7	217.3	217.8	216.7	218.6	221.4	219.7	216.7
40°	205.3	206.9	210.5	209.5	208.9	209.5	208.8	212.0	214.8	211.8	208.2
42.5°	195.9	198.7	204.2	204.2	203.1	203.5	203.1	207.1	209.1	205.0	201.0
45°	187.7	191.9	198.9	199.9	198.0	198.0	198.7	203.6	204.4	198.7	194.6
47.5°	182.1	187.2	195.1	196.8	194.0	193.8	195.9	201.2	201.2	194.6	189.8
50°	178.1	183.8	193.2	195.5	192.7	191.9	195.3	200.4	199.3	191.3	186.6
52.5°	175.4	181.3	193.0	196.3	194.4	193.6	197.0	200.6	197.8	189.3	184.3
55°	173.7	180.2	193.6	196.3	194.2	192.9	196.3	199.5	198.0	188.1	183.4
57.5°	174.7	181.1	192.9	194.2	191.7	189.4	193.4	198.0	197.4	188.5	183.8
60°	173.2	179.0	188.7	189.1	184.9	181.3	187.2	194.0	194.0	187.2	183.0
62.5°	166.2	172.0	180.6	180.9	176.2	172.2	179.0	187.2	187.0	181.5	177.1
65°	154.6	160.1	169.8	170.7	166.0	161.8	168.8	176.4	177.0	172.0	168.3
67.5°	141.9	146.9	154.1	157.8	153.9	149.5	156.0	163.1	163.0	157.1	153.1
70°	126.8	131.3	138.0	141.2	138.7	134.6	140.4	144.2	142.5	139.7	137.0
72.5°	111.9	116.2	122.5	122.5	119.8	115.8	117.5	124.3	126.4	124.3	122.6
75°	96.1	99.9	104.3	105.2	99.4	92.2	100.1	106.0	108.4	107.5	105.4
77.5°	80.1	82.9	89.3	87.6	76.7	72.9	79.3	88.0	89.7	89.1	86.3
80°	61.7	63.4	70.2	66.8	58.3	55.8	58.7	65.5	65.9	64.0	60.4
82.5°	41.4	43.7	48.3	41.6	41.4	39.2	36.9	37.7	41.1	40.7	38.2
85°	21.2	22.3	26.7	25.0	21.4	18.5	17.6	18.7	16.8	15.3	13.2
87.5°	8.9	9.7	13.2	7.4	2.3	0.0	0.0	1.1	1.7	2.5	2.6
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°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	282.2	284.3	289.4	295.8	302.1	308.5	315.5	319.8	325.1	332.0	332.2
5°	262.5	267.2	274.6	284.5	294.7	306.4	320.0	331.4	345.0	355.8	360.2
7.5°	250.4	257.2	266.5	279.0	292.4	307.0	324.8	343.9	366.2	380.6	389.1
10°	251.5	261.9	271.2	281.8	293.9	309.6	332.5	357.9	385.3	404.3	414.9
12.5°	271.8	282.8	281.1	280.5	288.6	307.7	338.8	372.1	405.6	424.5	437.2
15°	297.3	301.5	285.4	273.3	278.2	300.9	342.2	384.8	422.4	445.5	458.0
17.5°	310.4	302.1	282.6	264.4	263.1	290.5	343.9	397.6	441.4	464.4	477.7
20°	304.3	292.2	275.8	258.5	249.1	276.3	342.9	407.9	458.6	484.3	495.1
22.5°	291.3	280.7	267.8	251.3	237.7	260.8	340.5	418.1	473.9	499.8	509.3
25°	277.1	269.1	258.5	244.1	231.3	247.2	338.8	431.7	491.5	516.3	522.4
27.5°	262.9	257.0	248.3	237.1	229.8	237.7	339.3	449.5	514.2	537.7	535.2
30°	248.9	243.8	237.7	232.8	229.6	235.4	337.8	468.4	539.2	561.0	546.4
32.5°	235.6	230.9	227.1	227.9	229.8	236.4	330.1	485.6	562.1	580.7	558.5
35°	224.3	219.4	219.4	222.0	229.0	233.2	310.0	499.1	587.5	606.0	575.7
37.5°	213.7	209.3	212.2	216.5	223.1	224.5	284.3	512.1	624.4	641.8	602.4
40°	204.4	200.0	205.2	210.6	214.1	213.5	258.2	530.3	667.9	685.9	637.8
42.5°	197.0	193.0	197.6	204.6	205.2	205.7	239.0	547.7	718.4	741.3	698.7
45°	191.0	188.1	190.4	197.4	197.4	206.1	227.1	562.3	794.5	835.0	810.6
47.5°	186.2	184.5	185.7	187.9	191.7	212.9	219.5	573.5	933.1	1012.5	987.9
50°	183.6	181.9	183.4	178.7	190.0	216.3	217.1	582.0	1115.7	1240.2	1209.8
52.5°	181.3	180.7	181.7	170.7	193.8	214.1	215.2	570.6	1238.1	1464.3	1494.4
55°	180.6	180.9	176.4	164.8	198.3	206.5	209.5	489.4	1271.4	1657.5	1844.3
57.5°	180.9	179.8	168.3	165.4	198.5	191.3	217.6	349.2	1223.0	1741.6	2186.7
60°	179.6	173.9	158.4	170.5	189.8	173.6	211.8	227.7	1095.2	1677.0	2206.6
62.5°	173.7	165.4	149.9	173.4	174.3	163.0	192.3	175.4	924.9	1538.9	2015.1
65°	165.2	154.1	142.7	167.5	158.6	158.0	144.6	140.6	743.8	1374.4	1833.4
67.5°	151.2	140.1	137.4	154.1	142.7	140.1	116.2	116.6	593.5	1199.2	1650.7
70°	135.3	124.2	126.2	139.3	127.0	116.4	94.1	97.1	450.2	999.1	1404.5
72.5°	124.9	110.0	110.1	122.6	111.7	94.3	77.4	80.1	285.8	753.1	1116.6
75°	105.4	96.9	92.7	99.4	94.8	73.4	65.1	64.5	169.4	539.8	836.2
77.5°	88.0	81.4	79.3	81.9	70.8	54.3	52.4	51.5	96.0	345.8	547.9
80°	63.8	62.1	61.9	63.2	54.5	39.9	39.9	40.1	51.7	187.7	308.9
82.5°	40.5	44.3	39.2	43.5	37.1	28.4	26.5	30.1	29.7	80.1	130.2
85°	16.8	23.1	21.6	22.9	17.6	15.5	16.7	18.0	17.2	30.8	50.7
87.5°	3.2	3.8	4.2	4.0	4.0	4.9	5.5	6.6	6.6	8.9	15.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	339.3	344.8	343.7	346.2	342.9	344.1	337.6	335.9	334.8	335.2
5°	374.2	385.3	387.4	391.6	388.7	388.7	377.4	368.9	365.8	363.6
7.5°	409.6	425.6	436.2	437.4	435.9	432.8	416.4	401.0	395.6	390.8
10°	441.0	460.3	472.2	477.9	475.0	470.3	449.9	428.9	422.2	418.1
12.5°	465.0	482.0	490.0	493.8	493.4	491.7	475.0	452.3	445.3	438.9
15°	480.5	489.0	486.0	485.8	488.5	495.3	490.2	472.4	464.3	458.4
17.5°	490.6	482.4	469.0	462.7	468.4	484.5	496.2	486.2	478.8	472.4
20°	494.2	465.2	445.7	434.2	440.8	464.1	493.0	496.2	490.0	484.7
22.5°	490.0	444.2	417.7	404.1	410.5	438.3	483.6	504.4	500.2	495.1
25°	479.8	422.2	390.4	378.1	385.1	413.5	466.7	511.9	512.1	508.0
27.5°	467.1	402.0	371.3	359.8	366.6	393.1	450.2	518.6	525.2	523.7
30°	454.2	389.9	362.2	354.1	359.2	382.7	433.4	525.4	538.6	541.3
32.5°	448.4	395.7	383.6	387.2	380.6	388.7	427.3	535.0	554.9	559.3
35°	456.1	447.8	478.4	492.6	469.2	438.3	435.1	549.6	577.8	584.2
37.5°	493.8	559.3	605.1	655.0	614.3	546.4	473.5	574.4	610.6	620.8
40°	575.7	656.5	739.2	803.8	742.3	650.9	546.6	611.3	655.6	664.9
42.5°	652.9	747.8	861.7	945.2	865.3	736.2	625.3	673.4	715.0	720.1
45°	728.7	837.3	1009.9	1125.9	1017.5	817.4	705.8	778.2	809.7	809.8
47.5°	817.4	938.2	1195.7	1361.0	1219.4	907.3	781.3	944.2	987.9	966.6
50°	923.6	1038.5	1387.1	1634.5	1465.6	1017.8	877.2	1146.5	1206.2	1181.9
52.5°	1065.7	1149.0	1597.9	1901.1	1734.0	1143.7	1016.3	1413.8	1433.5	1388.2
55°	1265.8	1308.5	1868.6	2230.4	2033.6	1298.7	1219.8	1749.1	1694.1	1564.4
57.5°	1721.3	1561.0	2216.0	2606.1	2372.6	1580.3	1665.7	2119.0	1923.1	1704.5
60°	2102.5	1867.6	2537.6	2979.0	2663.1	1890.7	2084.3	2183.3	1914.6	1689.0
62.5°	1974.0	1945.8	2653.6	3020.0	2762.3	2043.4	2006.5	2021.1	1789.6	1585.8
65°	1731.9	1794.9	2550.1	2825.3	2652.3	1906.6	1815.0	1871.2	1646.8	1441.4
67.5°	1589.0	1635.4	2365.9	2513.6	2452.4	1758.6	1666.1	1625.4	1424.9	1250.4
70°	1442.9	1481.3	2107.4	2122.4	2140.7	1512.6	1362.3	1241.2	1062.1	940.1
72.5°	1246.8	1248.9	1780.6	1693.9	1728.7	1183.6	1096.6	927.9	773.1	662.4
75°	1046.0	988.9	1409.4	1184.0	1253.8	920.8	910.5	699.3	583.1	492.3
77.5°	797.5	730.7	1029.6	778.6	880.6	613.2	684.6	474.3	410.3	327.6
80°	535.4	493.8	568.9	439.5	576.1	422.6	446.5	268.7	233.0	180.7
82.5°	282.4	241.1	351.6	260.6	347.5	232.2	167.5	83.1	70.8	57.2
85°	109.4	126.6	172.4	92.7	134.8	82.9	48.5	20.6	17.2	13.1
87.5°	21.2	32.7	18.0	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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