

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: P628643

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628643
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-SA1A-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: 1983.4 lumens
Efficiency: N/A
Efficacy: 100.7 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

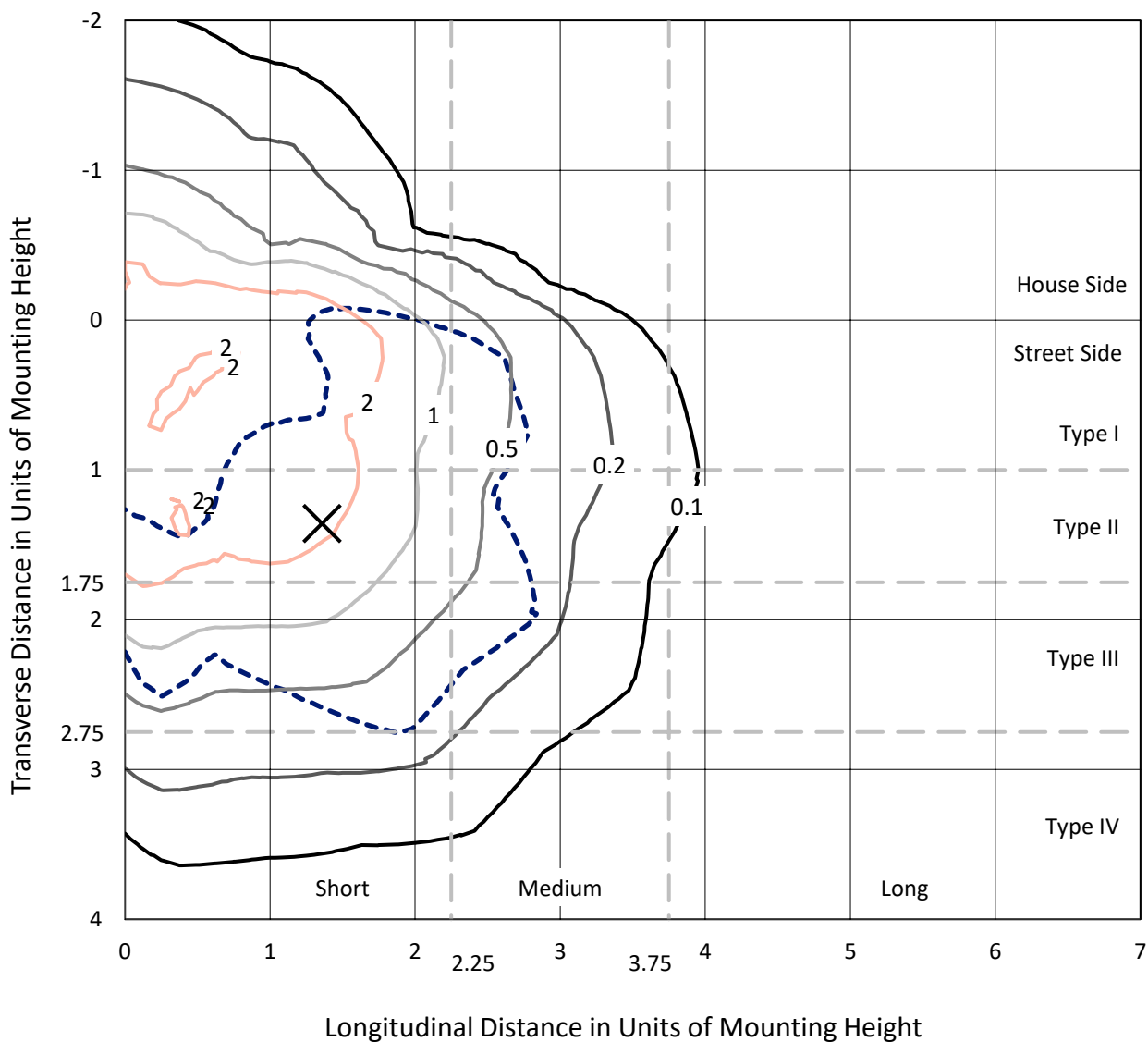
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

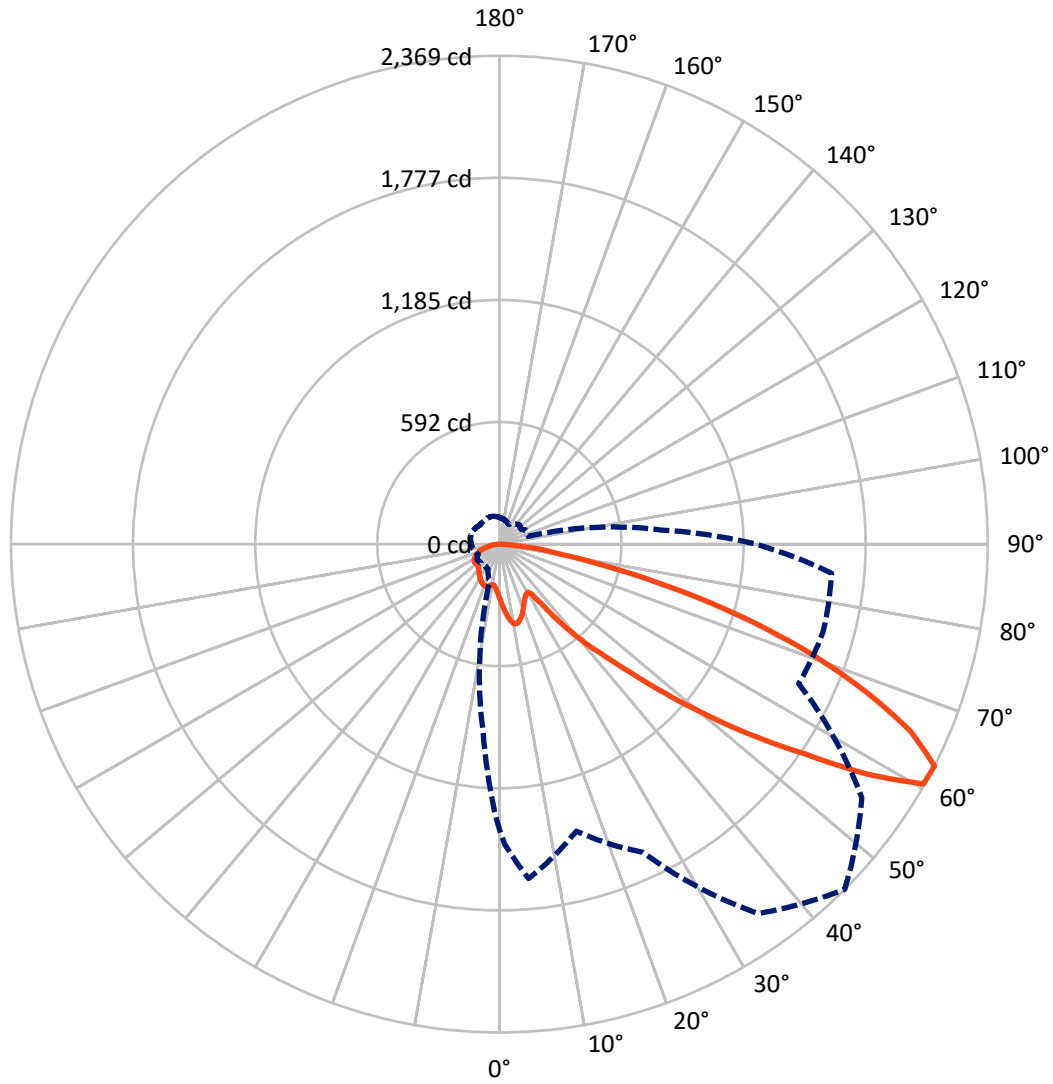
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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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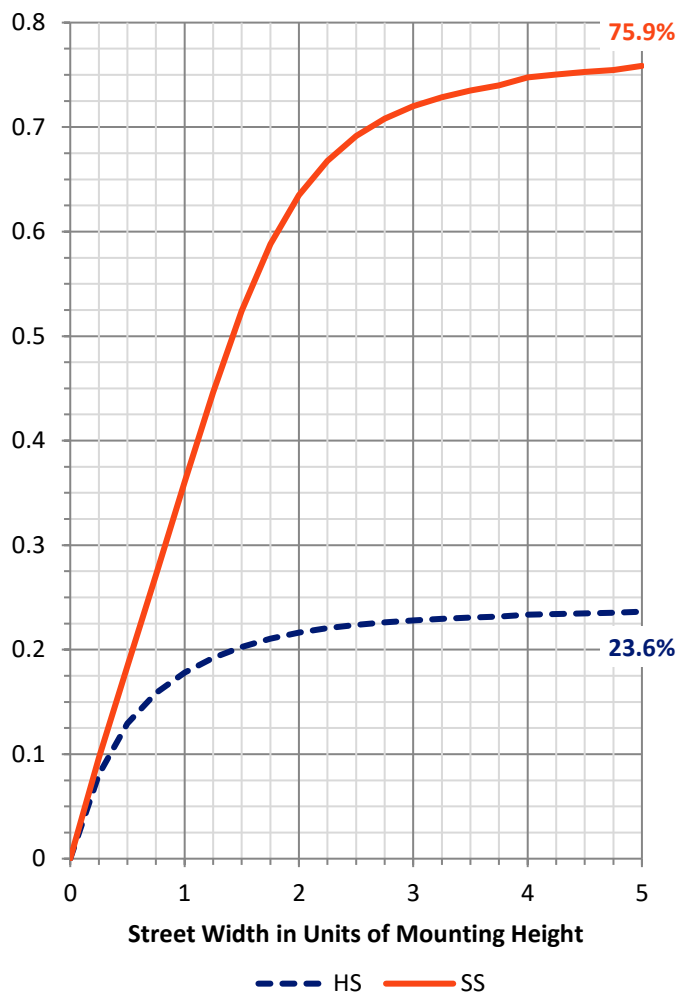
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.3	0.0	473.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	1510.1	0.0	1510.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	1983.4	0.0	1983.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.3
10°-20°	80.6	4.1
20°-30°	125.2	6.3
30°-40°	170.0	8.6
40°-50°	269.4	13.6
50°-60°	475.2	24.0
60°-70°	528.7	26.7
70°-80°	268.1	13.5
80°-90°	40.6	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°	1983.4	100.0
0°-180°	1983.4	100.0

Coefficient of Utilization



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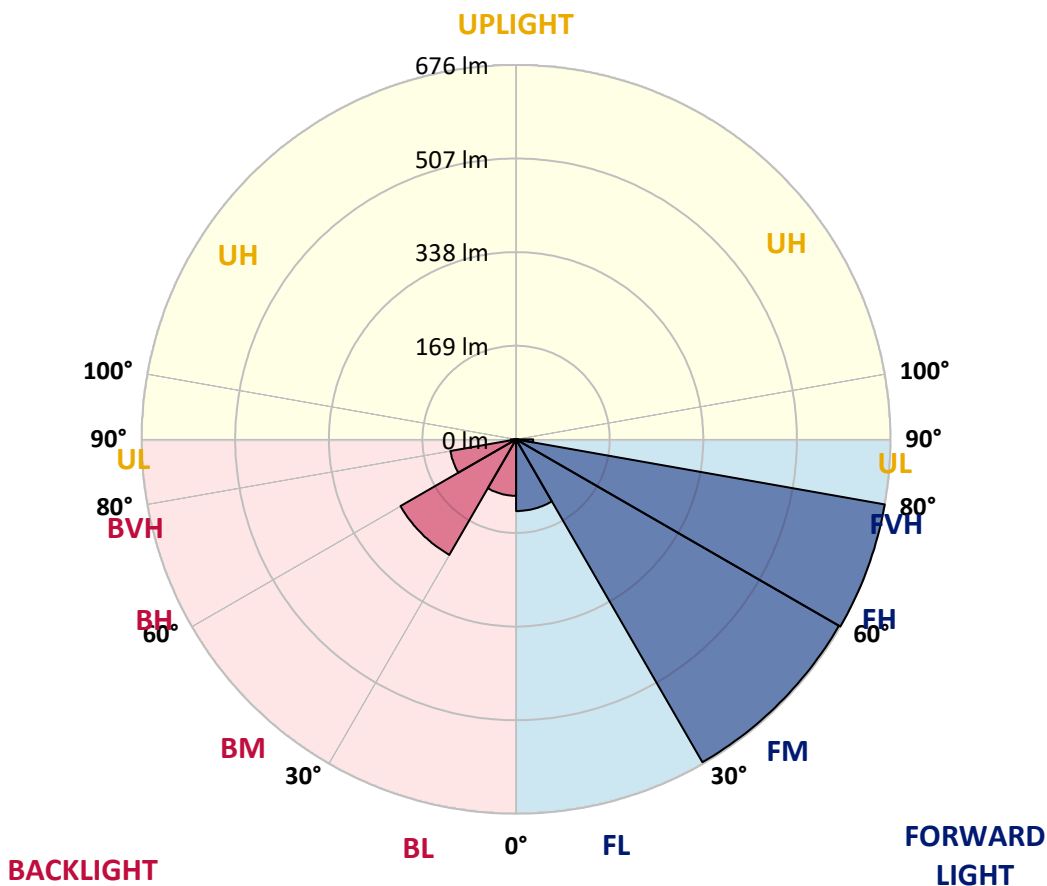
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.5	6.5			
FM (30°-60°)	673.5	34.0			
FH (60°-80°)	676.4	34.1			G1/1800
FVH (80°-90°)	30.8	1.6			G1/100
BL (0°-30°)	102.0	5.1	B0/110		
BM (30°-60°)	241.0	12.2	B1/1000		
BH (60°-80°)	120.5	6.1	B1/500		G1/500
BVH (80°-90°)	9.8	0.5			G0/10
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°	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2
2.5°	282.9	282.8	285.6	290.0	294.0	295.8	298.8	298.5	296.1	293.0	291.9
5°	305.1	305.7	310.7	320.3	331.0	335.5	337.4	336.7	332.3	326.8	317.0
7.5°	325.3	326.3	334.0	348.4	361.6	367.6	372.4	371.5	365.2	354.8	340.4
10°	340.0	341.2	350.3	367.3	382.0	387.3	393.4	393.7	388.2	374.2	359.5
12.5°	354.7	355.9	364.4	379.9	389.5	389.7	393.3	395.2	395.5	389.1	374.4
15°	370.0	371.1	378.9	387.6	387.1	378.7	378.7	382.5	390.7	395.4	385.2
17.5°	383.1	384.4	390.4	387.6	374.2	359.0	357.2	362.0	376.5	394.3	393.3
20°	393.9	394.9	398.2	379.3	355.0	335.2	331.7	337.3	356.8	387.9	399.4
22.5°	404.2	404.8	403.0	368.5	334.3	311.6	307.4	313.2	334.3	376.5	404.7
25°	416.6	416.0	407.4	357.2	315.3	293.0	288.6	295.2	317.1	361.3	410.4
27.5°	430.8	428.6	411.1	345.1	300.8	279.2	276.2	283.2	303.6	347.3	414.9
30°	443.0	438.6	411.7	334.3	293.3	273.3	271.5	278.1	297.0	337.9	420.6
32.5°	456.5	450.5	415.2	331.4	297.5	287.4	289.8	290.3	298.8	335.2	429.2
35°	475.9	468.1	424.7	339.7	340.7	357.7	366.4	354.7	326.0	341.2	445.4
37.5°	505.2	495.2	443.9	375.4	430.1	468.1	489.1	462.4	408.6	363.8	469.9
40°	540.7	528.1	468.5	441.5	513.6	574.4	611.8	572.6	493.6	420.5	504.3
42.5°	590.4	577.2	516.3	506.4	590.9	681.4	730.2	671.8	568.5	493.6	559.4
45°	677.1	664.3	603.8	571.4	681.4	813.3	881.8	800.5	644.7	567.0	662.4
47.5°	837.2	822.1	733.9	643.5	784.8	984.5	1080.3	962.0	723.8	651.1	835.4
50°	1029.4	1015.0	897.1	728.7	898.9	1167.5	1300.7	1151.6	814.9	753.4	1042.1
52.5°	1260.6	1257.9	1130.0	836.6	1017.7	1362.7	1545.3	1361.7	914.8	891.1	1276.4
55°	1469.1	1495.5	1425.8	1001.0	1171.1	1608.0	1796.9	1590.8	1050.2	1118.7	1550.7
57.5°	1581.4	1652.4	1759.5	1336.5	1394.3	1901.1	2107.3	1870.6	1283.0	1497.7	1805.1
60°	1507.2	1587.7	1781.7	1589.0	1615.6	2135.9	2363.4	2105.8	1511.6	1760.8	1790.7
62.5°	1383.8	1456.0	1628.5	1441.6	1649.9	2187.6	2369.4	2146.7	1602.4	1627.3	1617.6
65°	1237.4	1310.2	1492.9	1258.4	1541.0	2064.9	2194.6	2026.2	1439.2	1470.3	1473.9
67.5°	1042.9	1110.2	1296.2	1118.9	1404.6	1884.9	1926.3	1854.4	1325.3	1374.9	1323.1
70°	779.2	839.9	1004.1	909.2	1184.0	1650.3	1616.8	1627.5	1197.6	1246.8	1105.2
72.5°	532.5	578.1	719.0	714.5	906.7	1321.1	1274.4	1375.5	1000.2	1065.6	842.6
75°	372.4	408.0	519.7	564.5	685.3	979.2	907.6	1029.5	781.2	874.4	614.8
77.5°	228.5	252.1	328.3	418.2	440.9	670.2	563.7	774.7	548.5	637.7	410.1
80°	114.3	125.7	159.5	262.9	292.4	394.9	311.3	449.7	371.2	394.9	226.9
82.5°	34.5	38.1	46.7	99.9	151.5	227.3	184.0	261.3	202.7	185.2	89.3
85°	9.2	10.4	12.9	29.6	53.2	81.5	62.2	126.6	97.2	68.3	33.6
87.5°	0.8	0.8	0.6	0.6	0.3	0.0	0.0	9.0	18.2	10.4	5.9
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°	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2
2.5°	286.7	286.1	279.9	275.4	270.1	265.0	259.8	255.1	249.9	244.6	243.1
5°	309.8	305.6	292.5	281.6	270.7	261.3	253.0	244.5	237.6	230.8	228.2
7.5°	330.2	322.9	303.9	287.3	272.2	260.5	248.4	235.9	226.1	216.5	214.1
10°	348.7	338.9	315.0	294.0	277.4	264.0	249.7	233.1	218.9	207.2	204.1
12.5°	362.3	351.7	324.7	300.5	281.6	266.5	252.4	237.7	222.8	207.7	204.2
15°	373.2	362.0	332.6	305.4	281.7	262.3	248.7	243.6	238.9	224.0	217.7
17.5°	381.9	370.2	339.5	308.4	277.7	249.6	237.7	245.2	257.1	247.8	235.9
20°	389.8	378.0	344.8	310.5	268.6	232.0	225.4	241.3	259.2	258.9	248.2
22.5°	398.5	387.0	352.4	311.7	256.0	214.1	218.0	235.6	250.2	254.5	247.9
25°	409.6	399.4	363.1	314.4	241.8	201.8	212.6	228.2	240.4	241.5	237.6
27.5°	422.6	414.9	379.0	320.8	227.9	195.5	206.3	217.9	229.0	229.5	224.8
30°	436.7	431.6	393.7	326.0	217.6	193.6	198.2	207.5	214.6	215.8	211.7
32.5°	454.7	450.2	406.8	322.6	211.4	193.1	190.7	195.5	201.4	201.4	198.2
35°	479.5	473.2	420.6	309.3	203.9	191.3	182.7	184.1	186.7	187.1	185.3
37.5°	514.6	504.3	434.6	283.2	191.6	184.9	173.6	171.9	172.8	174.0	173.6
40°	558.2	541.2	455.0	251.8	176.9	172.4	164.1	161.0	160.2	162.6	163.5
42.5°	613.0	587.0	476.9	222.5	163.5	158.1	153.0	150.3	149.1	153.2	155.6
45°	700.5	657.7	497.9	193.6	156.0	146.0	142.5	140.6	141.2	146.0	149.0
47.5°	851.7	765.7	517.9	175.2	155.4	137.2	133.0	133.5	135.1	140.3	143.9
50°	1043.0	910.3	531.3	167.6	157.2	132.0	126.4	128.8	131.4	136.3	140.6
52.5°	1237.8	1045.0	515.4	163.4	157.1	132.1	120.3	127.5	128.7	133.6	138.2
55°	1371.7	1060.0	445.2	156.9	154.7	138.2	115.5	126.9	127.6	132.1	136.2
57.5°	1422.8	1008.7	339.5	158.7	147.5	142.8	113.4	122.7	128.1	132.0	136.2
60°	1361.1	911.8	206.3	163.4	135.9	142.5	114.7	115.0	124.3	130.9	135.1
62.5°	1244.7	787.5	144.9	150.2	127.5	134.5	117.9	106.0	117.7	125.7	129.4
65°	1111.4	641.2	110.5	129.3	123.4	122.2	118.9	98.1	108.7	116.5	119.8
67.5°	972.5	498.4	89.8	96.4	111.6	110.5	108.7	91.0	98.1	103.6	107.4
70°	797.5	348.7	75.8	72.4	95.7	99.1	95.1	82.1	84.4	90.1	93.1
72.5°	583.4	217.3	62.3	59.8	76.9	86.6	84.5	72.4	73.4	78.8	81.2
75°	419.6	124.3	50.0	49.3	58.7	74.2	70.0	62.3	63.5	67.6	69.2
77.5°	266.7	69.2	38.6	39.6	42.0	55.4	59.8	53.3	53.3	55.7	57.1
80°	142.8	39.6	28.2	28.7	29.4	42.3	47.2	41.3	41.3	39.6	41.3
82.5°	58.3	22.8	19.4	18.0	19.7	29.0	33.0	26.3	27.5	24.8	25.4
85°	19.2	11.4	9.6	9.5	9.3	12.8	15.9	13.1	15.6	9.9	10.4
87.5°	2.6	2.1	1.2	0.9	1.1	0.5	0.9	1.1	1.1	0.8	0.8
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°	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2
2.5°	242.1	240.9	236.5	237.6	236.8	235.6	236.8	234.6	236.4	237.0	240.7
5°	226.3	223.4	219.2	217.1	216.7	215.5	215.6	214.6	214.9	217.4	221.6
7.5°	212.2	209.5	206.2	204.7	203.3	202.0	201.8	201.7	202.9	205.1	209.2
10°	202.0	200.5	199.1	199.7	199.1	198.5	197.5	197.5	199.4	203.5	208.4
12.5°	202.0	201.7	202.0	203.8	203.6	203.8	202.4	203.2	208.6	215.5	222.5
15°	212.8	210.4	210.4	211.3	211.0	211.0	211.0	214.1	226.4	237.1	244.6
17.5°	226.0	218.9	215.9	215.5	215.3	215.3	215.9	222.7	241.9	253.2	257.5
20°	235.2	221.8	216.8	214.9	215.0	215.3	217.1	226.4	247.6	253.3	252.3
22.5°	236.8	219.5	213.5	210.7	211.1	211.4	214.1	224.0	239.8	240.7	238.6
25°	229.2	213.2	206.8	204.5	205.1	205.0	207.4	214.6	225.8	225.5	224.3
27.5°	217.7	203.2	198.4	196.9	197.9	196.7	197.5	203.0	211.7	211.4	211.0
30°	206.0	193.4	189.1	188.3	189.7	187.9	188.0	192.7	198.7	198.4	198.2
32.5°	194.3	183.7	179.7	179.7	181.1	179.1	179.4	183.5	187.6	186.4	186.4
35°	183.2	175.7	172.5	171.9	173.0	171.6	172.2	176.0	177.5	175.8	174.8
37.5°	173.4	170.1	167.0	164.9	165.0	165.2	167.0	169.8	168.9	166.5	165.2
40°	164.4	164.4	161.4	157.5	157.1	158.1	161.1	164.3	161.7	159.0	157.4
42.5°	158.0	159.3	156.5	152.6	151.7	153.5	156.8	159.0	156.0	153.0	150.8
45°	152.0	155.3	153.3	149.0	147.8	149.9	154.1	155.0	150.9	148.1	146.4
47.5°	147.8	152.3	150.9	146.7	144.9	147.9	152.3	152.1	147.0	144.0	142.7
50°	144.8	150.5	150.3	146.7	144.8	148.5	152.4	150.5	144.9	141.8	140.4
52.5°	142.4	150.3	151.4	149.3	147.9	151.2	153.6	149.9	143.4	140.1	139.1
55°	141.3	150.9	151.7	149.7	148.5	151.5	153.6	151.1	143.4	140.4	139.5
57.5°	141.6	150.2	150.3	147.6	145.5	149.3	152.6	151.8	145.1	141.6	140.6
60°	139.8	146.1	146.4	142.2	139.8	144.3	150.2	149.7	144.3	140.7	138.8
62.5°	133.8	139.4	139.5	135.6	132.1	138.6	145.1	144.9	140.0	136.3	134.1
65°	123.7	129.6	131.1	127.3	124.6	131.5	138.3	138.0	133.0	129.7	127.5
67.5°	111.3	117.6	120.4	117.9	116.8	123.1	129.4	129.3	125.2	122.1	120.1
70°	96.1	101.4	106.2	106.2	105.4	112.6	119.4	118.8	115.0	112.6	111.1
72.5°	83.5	87.5	89.0	90.5	92.8	100.3	106.0	106.5	103.8	102.6	103.8
75°	71.0	73.6	74.9	73.7	77.6	85.4	93.0	93.7	90.8	88.9	89.3
77.5°	58.4	61.3	62.6	59.9	59.6	69.5	78.7	80.3	77.9	74.9	75.8
80°	42.2	46.0	48.2	46.4	45.8	50.2	62.8	64.6	62.3	59.9	61.3
82.5°	25.8	27.9	28.5	30.3	34.1	35.9	40.4	46.4	44.7	42.6	46.4
85°	10.2	12.2	13.5	15.3	17.9	21.2	24.9	29.7	27.0	26.1	30.8
87.5°	0.6	0.2	0.0	0.3	2.6	5.0	10.7	14.7	12.3	13.2	15.9
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°	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2
2.5°	243.7	247.6	252.9	257.2	262.8	268.0	273.4	278.9	281.7	282.9
5°	226.4	233.7	242.1	251.4	262.2	273.6	285.2	297.0	304.5	305.1
7.5°	216.1	226.4	238.0	249.7	263.1	278.9	297.2	315.5	323.2	325.3
10°	219.4	231.0	240.1	251.1	265.8	285.5	307.1	328.6	337.4	340.0
12.5°	232.6	234.9	237.7	247.8	265.8	291.2	317.3	342.8	352.3	354.7
15°	243.6	232.8	227.6	238.3	262.2	296.1	328.1	356.3	367.8	370.0
17.5°	244.5	225.8	214.7	224.3	255.9	299.6	338.5	371.4	381.0	383.1
20°	235.3	218.5	204.1	209.9	247.3	301.1	346.0	382.3	391.8	393.9
22.5°	224.9	212.5	196.9	196.6	237.0	302.7	355.0	392.7	402.9	404.2
25°	215.2	204.2	191.0	186.8	224.9	305.9	367.2	408.3	416.1	416.6
27.5°	203.8	195.4	186.4	182.3	214.4	311.9	385.2	426.9	431.6	430.8
30°	193.4	187.1	183.1	181.8	207.8	316.4	402.3	445.2	445.5	443.0
32.5°	182.4	180.0	180.0	184.0	202.4	315.3	416.3	463.1	460.3	456.5
35°	172.7	173.1	176.3	185.5	193.4	304.8	429.6	485.5	481.3	475.9
37.5°	163.4	166.8	171.3	180.2	181.5	289.2	445.2	517.2	511.9	505.2
40°	155.4	160.7	165.9	170.3	168.9	267.0	467.0	554.4	548.5	540.7
42.5°	149.1	154.2	160.1	160.5	161.0	243.9	490.1	600.1	599.0	590.4
45°	145.1	148.4	153.9	153.2	160.5	218.3	511.5	669.7	683.5	677.1
47.5°	142.4	144.9	145.5	148.7	164.4	195.5	538.9	806.1	844.5	837.2
50°	140.9	143.4	136.6	149.0	165.0	180.8	576.9	977.3	1039.1	1029.4
52.5°	140.7	140.1	129.9	152.1	161.7	171.8	596.8	1102.2	1239.5	1260.6
55°	141.0	133.5	126.4	153.0	155.1	168.5	530.4	1162.3	1424.3	1469.1
57.5°	138.3	126.3	128.4	149.4	142.7	177.3	392.1	1140.8	1498.2	1581.4
60°	133.2	119.4	132.0	139.7	129.9	162.2	270.0	1045.0	1421.6	1507.2
62.5°	125.8	114.6	131.5	127.0	125.2	132.7	185.6	910.9	1300.1	1383.8
65°	117.6	110.7	124.5	114.9	115.9	102.1	131.2	759.5	1155.1	1237.4
67.5°	108.7	108.3	114.1	102.3	97.9	80.9	95.7	608.8	968.7	1042.9
70°	98.7	102.0	103.8	90.8	79.4	63.5	71.0	425.7	714.6	779.2
72.5°	88.6	88.9	91.4	79.0	59.5	50.9	53.3	257.8	485.5	532.5
75°	78.4	75.5	77.9	64.3	44.3	41.7	41.1	159.3	335.3	372.4
77.5°	67.4	64.3	61.1	48.4	35.6	32.3	31.5	89.3	205.7	228.5
80°	54.8	50.6	45.6	35.4	26.0	23.1	23.0	43.5	102.6	114.3
82.5°	42.6	34.7	33.3	22.1	16.1	14.1	15.0	16.7	30.9	34.5
85°	29.9	25.2	17.7	8.9	7.2	5.9	5.7	5.0	8.3	9.2
87.5°	16.7	11.0	5.7	1.1	1.2	1.4	1.1	0.8	0.8	0.8
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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