

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P671667

Luminaire Tested: **CCP-SA-1A-735-U-SLL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671667
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SLL
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2238.9 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

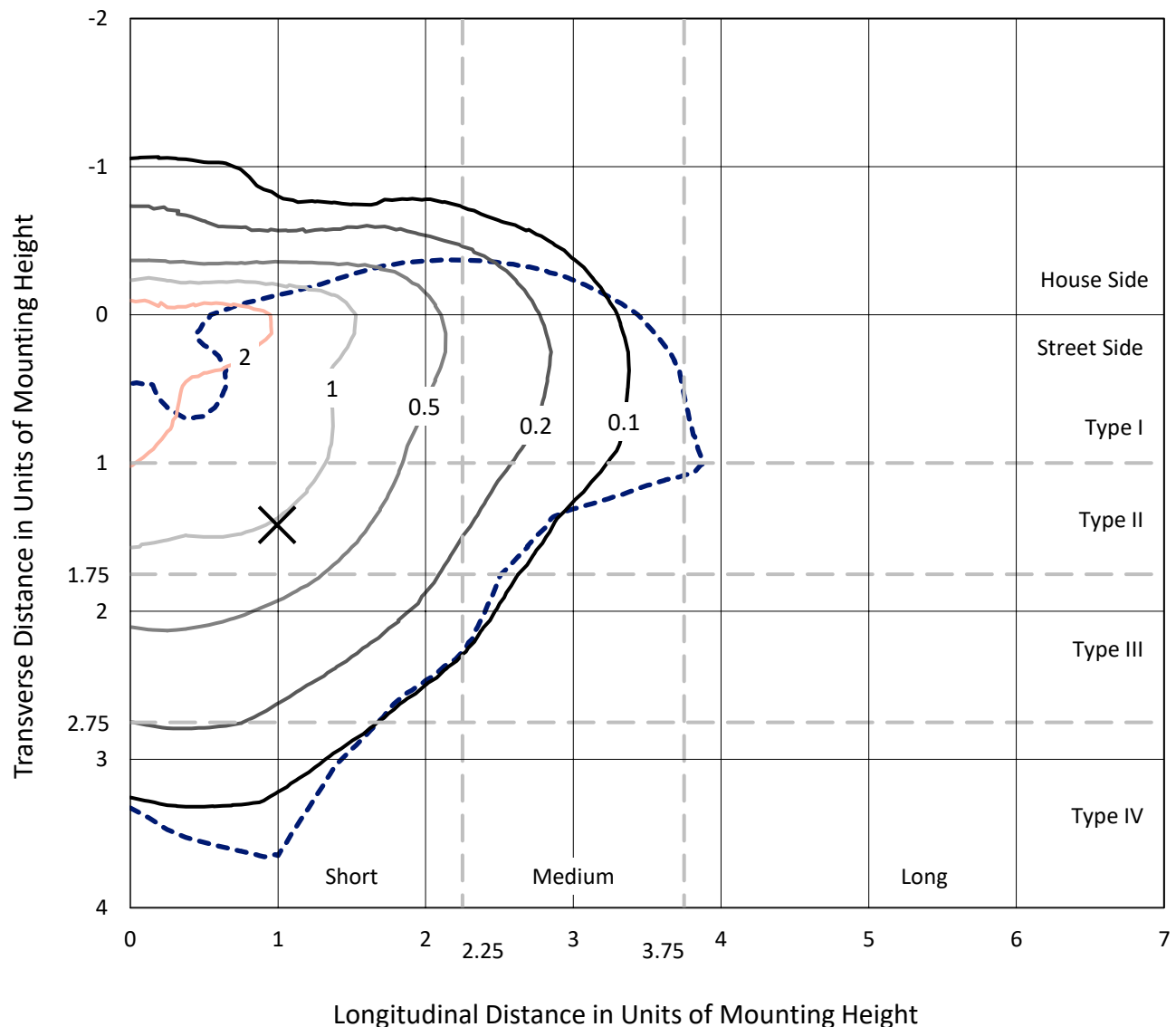
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

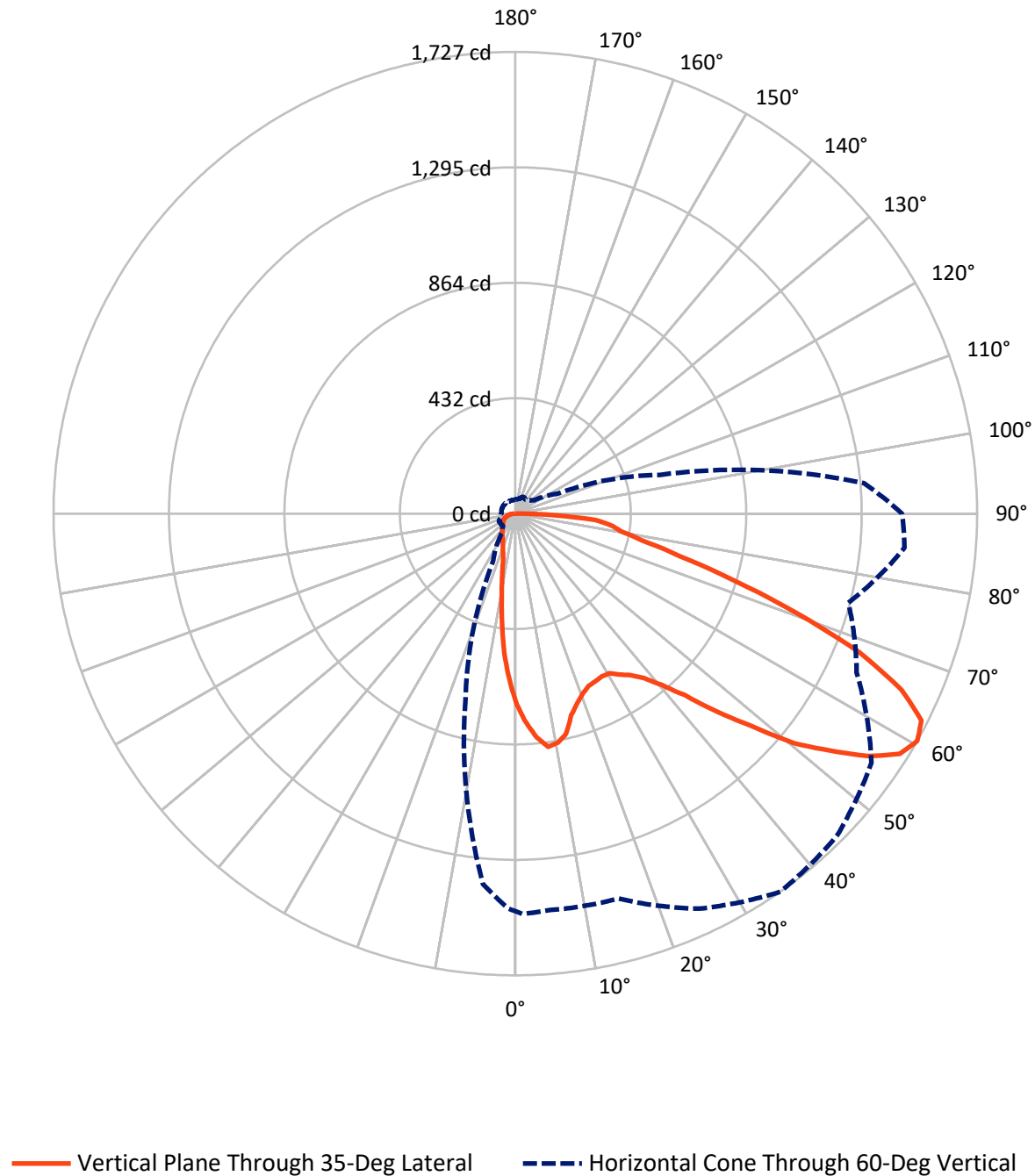
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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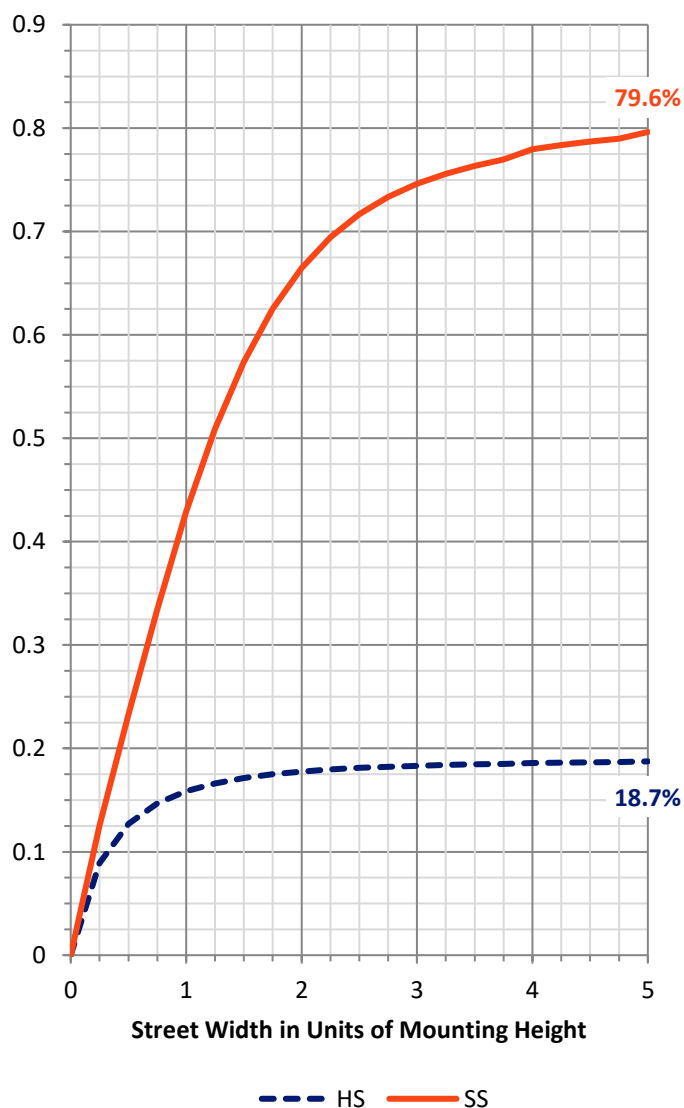
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	426.1	0.0	426.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	1812.8	0.0	1812.8
	% Fixture	81.0	0.0	81.0
Total	Lumens	2238.9	0.0	2238.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	2.5
10°-20°	117.3	5.2
20°-30°	171.6	7.7
30°-40°	241.8	10.8
40°-50°	332.3	14.8
50°-60°	452.9	20.2
60°-70°	495.6	22.1
70°-80°	286.2	12.8
80°-90°	85.7	3.8
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°	2238.9	100.0
0°-180°	2238.9	100.0

Coefficient of Utilization



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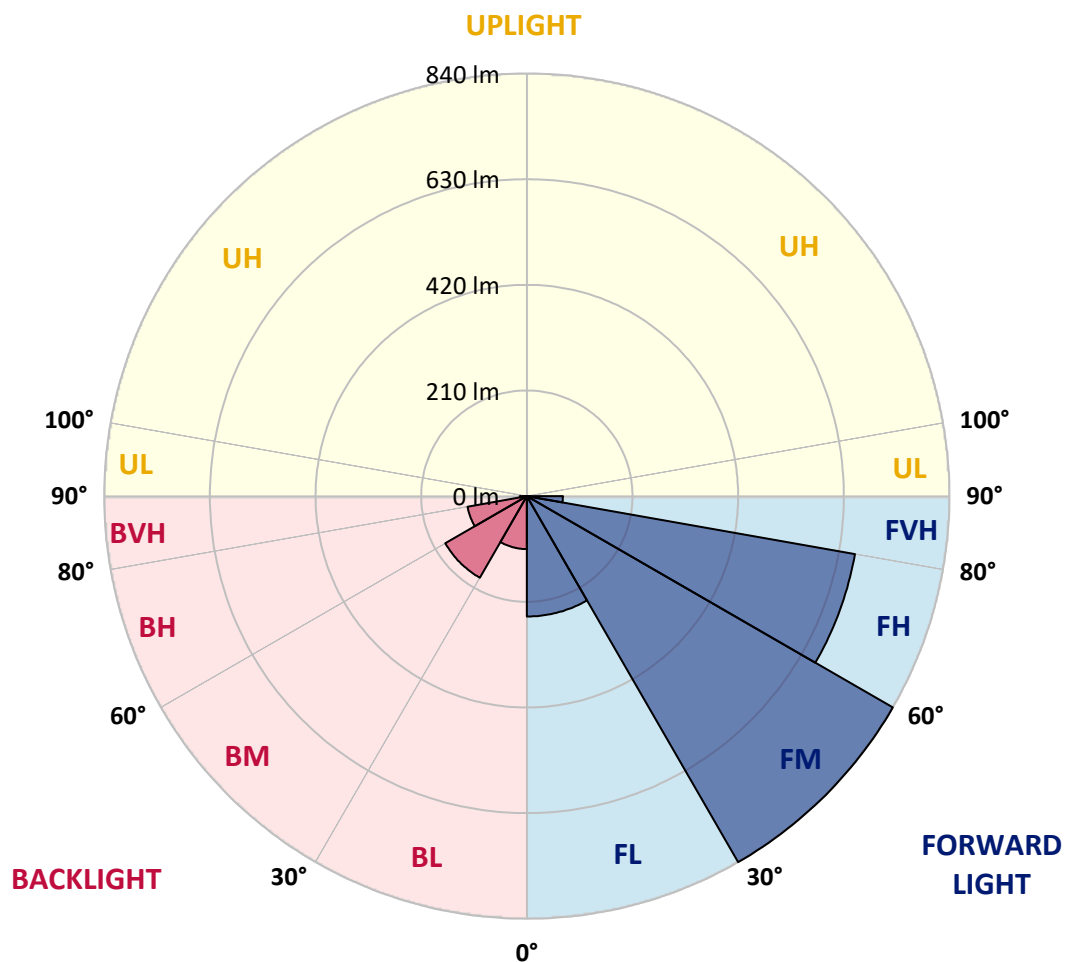
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.2	10.7			
FM	(30°-60°)	839.8	37.5			
FH	(60°-80°)	662.1	29.6			G1/1800
FVH	(80°-90°)	71.7	3.2			G1/100
BL	(0°-30°)	105.3	4.7	B0/110		
BM	(30°-60°)	187.2	8.4	B0/220		
BH	(60°-80°)	119.7	5.3	B1/500		G1/500
BVH	(80°-90°)	14.0	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
2.5°	765.7	762.8	765.7	776.7	779.6	784.6	784.6	777.7	764.7	758.8	748.9
5°	782.6	777.7	802.5	825.3	843.2	841.2	824.3	810.4	784.6	745.9	709.1
7.5°	748.9	753.8	771.7	831.3	873.0	880.9	854.1	826.3	770.7	717.1	667.4
10°	685.3	692.2	731.0	792.6	858.1	871.0	854.1	820.4	753.8	687.3	629.7
12.5°	654.5	670.4	693.2	767.7	814.4	845.2	837.2	815.4	740.9	662.4	606.8
15°	654.5	658.5	692.2	754.8	781.6	782.6	785.6	789.6	744.9	673.4	598.9
17.5°	675.4	686.3	715.1	753.8	758.8	746.9	746.9	763.8	752.8	704.2	627.7
20°	726.0	722.0	759.8	775.7	748.9	719.1	716.1	744.9	761.8	736.9	680.3
22.5°	776.7	794.5	825.3	789.6	739.9	700.2	696.2	732.0	788.6	793.5	740.9
25°	853.1	871.0	886.9	843.2	738.9	695.2	698.2	726.0	821.4	874.0	842.2
27.5°	935.6	946.5	969.3	901.8	762.8	689.3	692.2	734.0	852.1	926.6	921.7
30°	982.2	994.2	989.2	912.7	778.6	693.2	685.3	744.9	835.3	926.6	973.3
32.5°	1027.9	1021.0	1018.0	930.6	798.5	718.1	698.2	767.7	845.2	941.5	1039.9
35°	1083.6	1073.6	1065.7	965.4	831.3	741.9	733.0	797.5	867.0	972.3	1093.5
37.5°	1145.1	1145.1	1106.4	991.2	870.0	780.6	770.7	840.2	901.8	991.2	1167.0
40°	1217.6	1220.6	1152.1	1025.9	913.7	842.2	839.2	895.8	935.6	1019.0	1237.5
42.5°	1271.3	1273.2	1191.8	1038.9	964.4	927.6	940.5	985.2	974.3	1043.8	1242.5
45°	1308.0	1298.1	1219.6	1075.6	1020.0	1055.7	1059.7	1072.6	1025.0	1058.7	1262.3
47.5°	1325.9	1323.9	1231.5	1118.3	1137.2	1185.8	1208.7	1190.8	1071.6	1042.8	1262.3
50°	1343.8	1326.9	1242.5	1176.9	1251.4	1349.7	1344.8	1312.0	1136.2	1062.7	1243.5
52.5°	1355.7	1340.8	1264.3	1229.5	1360.6	1471.9	1491.7	1431.2	1211.7	1099.4	1252.4
55°	1398.4	1386.5	1329.9	1301.1	1486.8	1601.0	1604.0	1519.6	1291.1	1160.0	1311.0
57.5°	1450.0	1457.0	1420.2	1402.4	1583.1	1695.3	1684.4	1585.1	1358.7	1233.5	1378.5
60°	1486.8	1497.7	1488.8	1490.8	1630.8	1727.1	1702.3	1625.8	1408.3	1289.1	1461.0
62.5°	1466.9	1488.8	1525.5	1517.6	1632.8	1704.3	1669.5	1572.2	1414.3	1361.6	1523.5
65°	1412.3	1414.3	1485.8	1529.5	1543.4	1586.1	1540.4	1460.0	1352.7	1406.3	1514.6
67.5°	1272.3	1288.1	1352.7	1438.1	1379.5	1389.5	1385.5	1269.3	1259.3	1375.5	1446.1
70°	1123.3	1134.2	1204.7	1305.0	1165.0	1118.3	1127.3	1040.8	1081.6	1280.2	1308.0
72.5°	928.6	935.6	1016.0	1104.4	934.6	851.2	872.0	801.5	859.1	1120.3	1103.4
75°	701.2	714.1	776.7	880.9	688.3	634.6	655.5	626.7	680.3	922.7	856.1
77.5°	498.6	488.6	566.1	689.3	517.4	485.7	487.6	492.6	550.2	777.7	614.8
80°	339.7	342.6	412.2	505.5	406.2	401.2	396.3	436.0	461.8	615.8	446.9
82.5°	201.6	201.6	278.1	359.5	320.8	361.5	338.7	374.4	361.5	452.9	293.0
85°	94.4	94.4	143.0	259.2	248.3	298.0	253.3	283.1	267.2	315.8	132.1
87.5°	15.9	13.9	28.8	127.1	102.3	116.2	45.7	151.0	167.8	220.5	32.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
2.5°	737.9	731.0	717.1	699.2	684.3	665.4	659.5	646.6	628.7	626.7	618.7
5°	695.2	671.4	641.6	604.8	580.0	554.2	532.3	519.4	504.5	502.5	498.6
7.5°	648.5	618.7	569.1	525.4	482.7	442.0	422.1	397.3	380.4	367.5	361.5
10°	604.8	577.0	515.5	455.9	418.1	391.3	367.5	341.7	320.8	304.9	298.9
12.5°	576.0	543.3	476.7	420.1	392.3	361.5	334.7	306.9	280.1	259.2	248.3
15°	563.1	532.3	464.8	402.2	361.5	318.8	288.0	260.2	227.4	212.5	207.6
17.5°	593.9	548.2	460.8	381.4	323.8	275.1	237.4	207.6	183.7	168.8	162.9
20°	633.6	577.0	467.8	356.5	288.0	233.4	191.7	159.9	144.0	133.1	132.1
22.5°	684.3	619.7	478.7	338.7	248.3	187.7	150.0	131.1	120.2	119.2	117.2
25°	774.7	697.2	496.6	314.8	216.5	154.9	128.1	117.2	112.2	109.2	111.2
27.5°	852.1	747.9	509.5	299.9	203.6	146.0	124.1	112.2	107.3	106.3	107.3
30°	897.8	794.5	505.5	272.1	177.8	139.0	132.1	128.1	118.2	110.2	110.2
32.5°	939.5	824.3	504.5	247.3	152.0	116.2	110.2	107.3	113.2	117.2	114.2
35°	997.1	871.0	501.6	233.4	141.0	107.3	97.3	89.4	85.4	83.4	86.4
37.5°	1058.7	902.8	493.6	231.4	135.1	102.3	94.4	86.4	82.4	80.4	79.5
40°	1126.3	936.6	484.7	221.5	132.1	99.3	91.4	84.4	79.5	76.5	75.5
42.5°	1170.0	963.4	475.7	216.5	126.1	97.3	88.4	82.4	77.5	73.5	73.5
45°	1194.8	995.2	466.8	211.5	119.2	98.3	88.4	80.4	74.5	72.5	70.5
47.5°	1205.7	1019.0	463.8	203.6	113.2	94.4	86.4	78.5	72.5	68.5	67.5
50°	1234.5	1069.6	474.7	197.6	106.3	90.4	91.4	77.5	71.5	66.5	65.5
52.5°	1251.4	1110.4	498.6	188.7	101.3	85.4	89.4	75.5	68.5	63.6	63.6
55°	1313.0	1177.9	524.4	181.8	95.3	78.5	82.4	71.5	63.6	60.6	60.6
57.5°	1391.4	1249.4	546.2	178.8	91.4	73.5	73.5	69.5	60.6	56.6	55.6
60°	1446.1	1308.0	559.2	176.8	87.4	68.5	65.5	69.5	57.6	53.6	52.6
62.5°	1452.0	1274.2	546.2	175.8	86.4	63.6	59.6	66.5	54.6	50.7	48.7
65°	1414.3	1205.7	510.5	171.8	85.4	58.6	55.6	57.6	50.7	47.7	45.7
67.5°	1338.8	1094.5	458.8	169.8	84.4	54.6	50.7	49.7	46.7	43.7	41.7
70°	1163.0	949.5	398.3	160.9	82.4	51.6	45.7	44.7	41.7	39.7	38.7
72.5°	976.3	776.7	328.7	149.0	78.5	46.7	41.7	39.7	38.7	35.8	34.8
75°	747.9	597.9	263.2	132.1	68.5	41.7	36.7	34.8	33.8	31.8	30.8
77.5°	525.4	444.9	194.7	107.3	57.6	37.7	32.8	30.8	29.8	26.8	26.8
80°	356.5	311.9	132.1	74.5	44.7	30.8	28.8	26.8	24.8	22.8	22.8
82.5°	221.5	218.5	95.3	48.7	32.8	24.8	22.8	22.8	19.9	17.9	17.9
85°	101.3	134.1	66.5	33.8	24.8	18.9	18.9	17.9	15.9	12.9	12.9
87.5°	31.8	44.7	34.8	14.9	13.9	10.9	10.9	9.9	9.9	7.9	7.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
2.5°	626.7	625.7	625.7	621.7	631.7	631.7	637.6	632.7	635.6	636.6	644.6
5°	497.6	505.5	511.5	523.4	530.4	533.3	533.3	541.3	538.3	544.3	556.2
7.5°	364.5	374.4	392.3	407.2	419.1	423.1	422.1	424.1	427.1	420.1	422.1
10°	295.0	288.0	294.0	307.9	318.8	331.7	321.8	320.8	323.8	320.8	326.8
12.5°	246.3	238.4	233.4	233.4	241.3	247.3	244.3	249.3	260.2	263.2	270.1
15°	199.6	192.7	188.7	183.7	191.7	193.7	196.6	203.6	211.5	215.5	223.5
17.5°	159.9	159.9	159.9	155.9	158.9	161.9	162.9	171.8	172.8	176.8	179.8
20°	131.1	134.1	139.0	141.0	144.0	144.0	142.0	147.0	143.0	146.0	148.0
22.5°	118.2	122.2	124.1	125.1	129.1	130.1	125.1	126.1	127.1	124.1	125.1
25°	111.2	113.2	111.2	112.2	113.2	111.2	112.2	114.2	113.2	115.2	114.2
27.5°	108.3	106.3	105.3	104.3	104.3	102.3	103.3	103.3	105.3	106.3	106.3
30°	108.3	105.3	101.3	98.3	98.3	95.3	97.3	99.3	100.3	102.3	102.3
32.5°	111.2	105.3	98.3	95.3	92.4	90.4	92.4	95.3	99.3	100.3	101.3
35°	88.4	91.4	90.4	86.4	85.4	85.4	84.4	84.4	81.4	81.4	80.4
37.5°	79.5	78.5	80.4	81.4	82.4	79.5	79.5	75.5	74.5	75.5	75.5
40°	74.5	74.5	74.5	77.5	78.5	76.5	73.5	71.5	71.5	71.5	72.5
42.5°	72.5	70.5	69.5	71.5	74.5	72.5	69.5	68.5	68.5	69.5	69.5
45°	69.5	68.5	67.5	66.5	70.5	67.5	66.5	65.5	65.5	65.5	66.5
47.5°	66.5	65.5	63.6	63.6	64.6	63.6	62.6	62.6	62.6	64.6	64.6
50°	64.6	63.6	61.6	61.6	61.6	61.6	60.6	60.6	60.6	61.6	62.6
52.5°	61.6	60.6	59.6	58.6	58.6	58.6	58.6	58.6	58.6	59.6	60.6
55°	58.6	57.6	56.6	56.6	57.6	57.6	56.6	57.6	56.6	57.6	58.6
57.5°	55.6	54.6	53.6	54.6	55.6	54.6	54.6	54.6	54.6	54.6	55.6
60°	51.6	51.6	51.6	51.6	53.6	53.6	53.6	53.6	51.6	52.6	53.6
62.5°	49.7	48.7	48.7	49.7	50.7	50.7	51.6	50.7	49.7	50.7	50.7
65°	45.7	45.7	45.7	46.7	46.7	47.7	47.7	47.7	46.7	47.7	47.7
67.5°	42.7	42.7	42.7	42.7	44.7	44.7	44.7	44.7	43.7	43.7	44.7
70°	37.7	38.7	37.7	39.7	41.7	40.7	41.7	41.7	40.7	39.7	41.7
72.5°	34.8	34.8	34.8	34.8	37.7	37.7	37.7	38.7	37.7	36.7	37.7
75°	30.8	30.8	30.8	31.8	33.8	33.8	33.8	33.8	33.8	32.8	32.8
77.5°	26.8	27.8	26.8	27.8	29.8	28.8	29.8	30.8	29.8	28.8	28.8
80°	22.8	22.8	22.8	23.8	24.8	24.8	24.8	25.8	24.8	23.8	23.8
82.5°	17.9	17.9	18.9	18.9	19.9	19.9	19.9	20.9	19.9	18.9	18.9
85°	13.9	13.9	13.9	14.9	14.9	15.9	15.9	16.9	16.9	15.9	15.9
87.5°	8.9	7.9	8.9	8.9	9.9	9.9	8.9	7.9	8.9	7.9	7.0
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°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
2.5°	652.5	670.4	683.3	692.2	705.2	730.0	739.9	757.8	762.8	765.7
5°	561.1	580.0	607.8	627.7	650.5	697.2	733.0	759.8	771.7	782.6
7.5°	440.0	464.8	493.6	519.4	557.2	614.8	661.5	717.1	737.9	748.9
10°	343.6	366.5	398.3	430.0	482.7	531.3	597.9	648.5	677.3	685.3
12.5°	290.0	316.8	354.6	393.3	426.1	481.7	549.2	622.7	649.5	654.5
15°	246.3	283.1	321.8	361.5	399.3	447.9	520.4	609.8	649.5	654.5
17.5°	203.6	236.4	282.1	324.8	368.5	435.0	525.4	620.7	660.5	675.4
20°	161.9	193.7	229.4	283.1	342.6	413.2	536.3	657.5	710.1	726.0
22.5°	134.1	148.0	182.7	234.4	304.9	398.3	547.2	715.1	770.7	776.7
25°	117.2	127.1	149.0	197.6	275.1	388.3	573.1	781.6	853.1	853.1
27.5°	109.2	113.2	128.1	171.8	254.3	379.4	598.9	855.1	921.7	935.6
30°	107.3	117.2	125.1	152.9	231.4	354.6	622.7	912.7	981.3	982.2
32.5°	105.3	103.3	109.2	133.1	203.6	328.7	642.6	971.3	1025.0	1027.9
35°	82.4	86.4	96.3	117.2	182.7	309.9	652.5	1003.1	1080.6	1083.6
37.5°	77.5	82.4	90.4	108.3	168.8	294.0	655.5	1064.7	1139.2	1145.1
40°	75.5	79.5	85.4	100.3	157.9	274.1	661.5	1128.2	1225.6	1217.6
42.5°	71.5	76.5	82.4	96.3	149.0	259.2	662.4	1163.0	1271.3	1271.3
45°	70.5	73.5	80.4	96.3	139.0	246.3	646.6	1197.8	1323.9	1308.0
47.5°	66.5	72.5	78.5	93.4	127.1	233.4	627.7	1215.6	1330.9	1325.9
50°	65.5	71.5	81.4	88.4	120.2	227.4	623.7	1260.3	1344.8	1343.8
52.5°	63.6	69.5	84.4	84.4	111.2	219.5	642.6	1280.2	1347.7	1355.7
55°	60.6	69.5	78.5	77.5	103.3	209.6	663.4	1331.8	1400.4	1398.4
57.5°	58.6	67.5	74.5	70.5	94.4	202.6	694.2	1381.5	1463.9	1450.0
60°	55.6	67.5	66.5	65.5	87.4	196.6	720.1	1391.4	1477.8	1486.8
62.5°	53.6	70.5	58.6	60.6	81.4	193.7	709.1	1316.9	1459.0	1466.9
65°	51.6	60.6	53.6	55.6	79.5	187.7	666.4	1227.6	1377.5	1412.3
67.5°	47.7	49.7	49.7	51.6	77.5	173.8	579.0	1066.7	1253.4	1272.3
70°	43.7	44.7	44.7	47.7	75.5	157.9	477.7	922.7	1087.5	1123.3
72.5°	39.7	39.7	39.7	43.7	69.5	145.0	393.3	709.1	903.8	928.6
75°	34.8	34.8	34.8	38.7	62.6	132.1	309.9	527.4	665.4	701.2
77.5°	30.8	30.8	29.8	34.8	54.6	107.3	223.5	372.4	468.8	498.6
80°	25.8	24.8	24.8	27.8	42.7	77.5	144.0	263.2	326.8	339.7
82.5°	20.9	19.9	18.9	20.9	30.8	48.7	89.4	183.7	209.6	201.6
85°	19.9	20.9	16.9	15.9	21.8	31.8	56.6	113.2	94.4	94.4
87.5°	7.9	7.0	7.0	6.0	10.9	11.9	24.8	20.9	15.9	15.9
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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