

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: P671634

Luminaire Tested: **CCP-SA-1A-722-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671634
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-722-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SLL
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1672.1 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

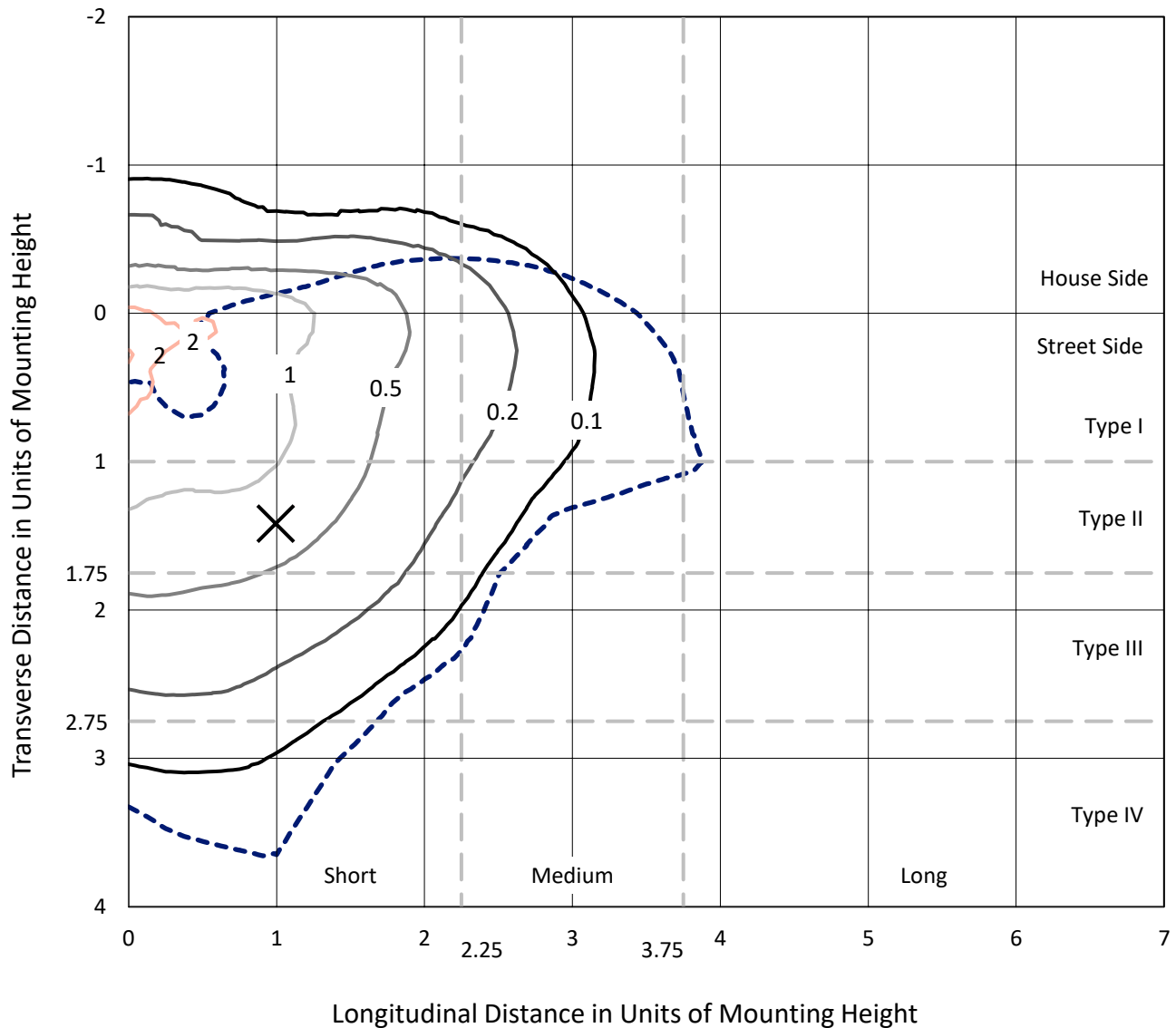
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

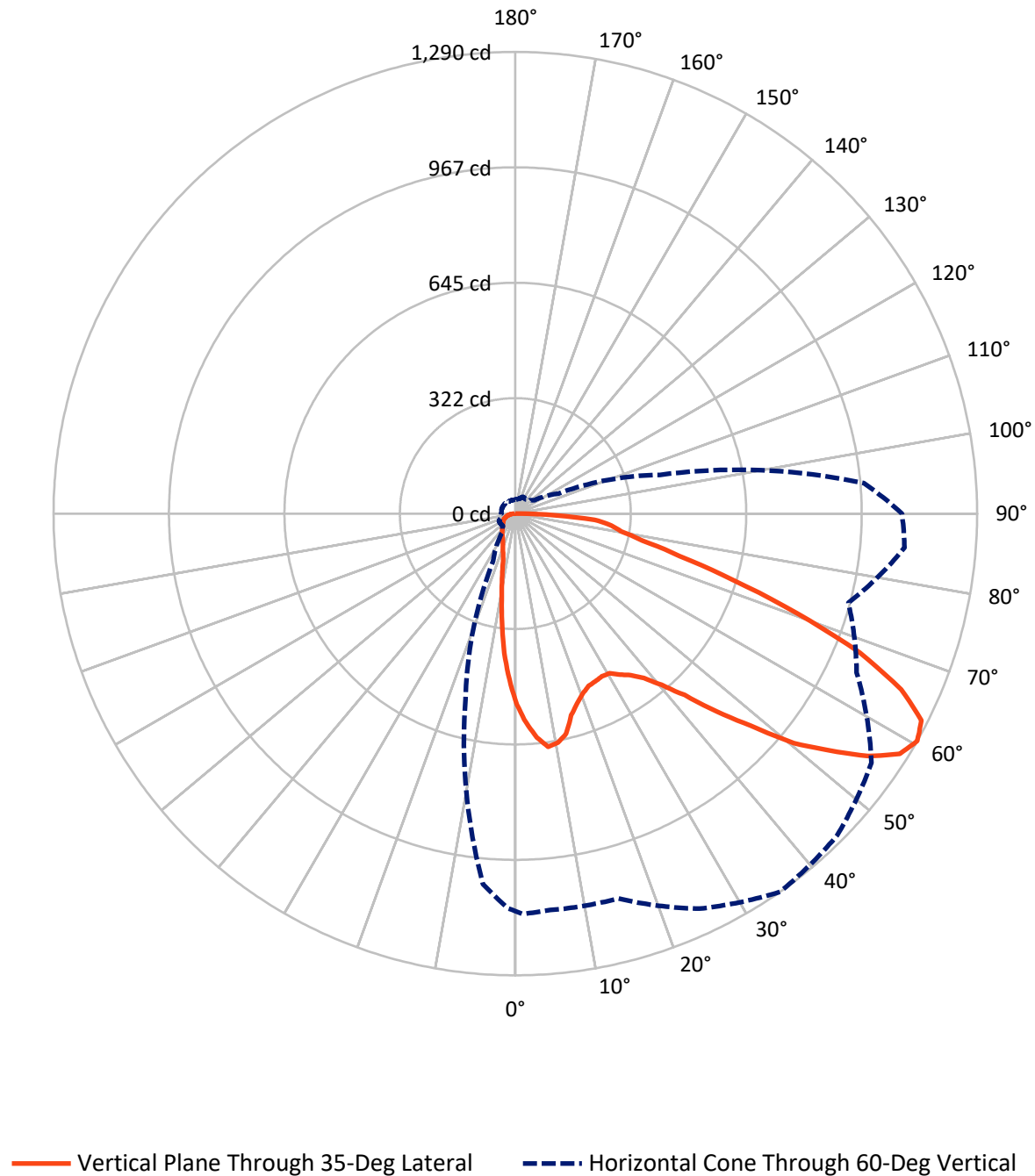
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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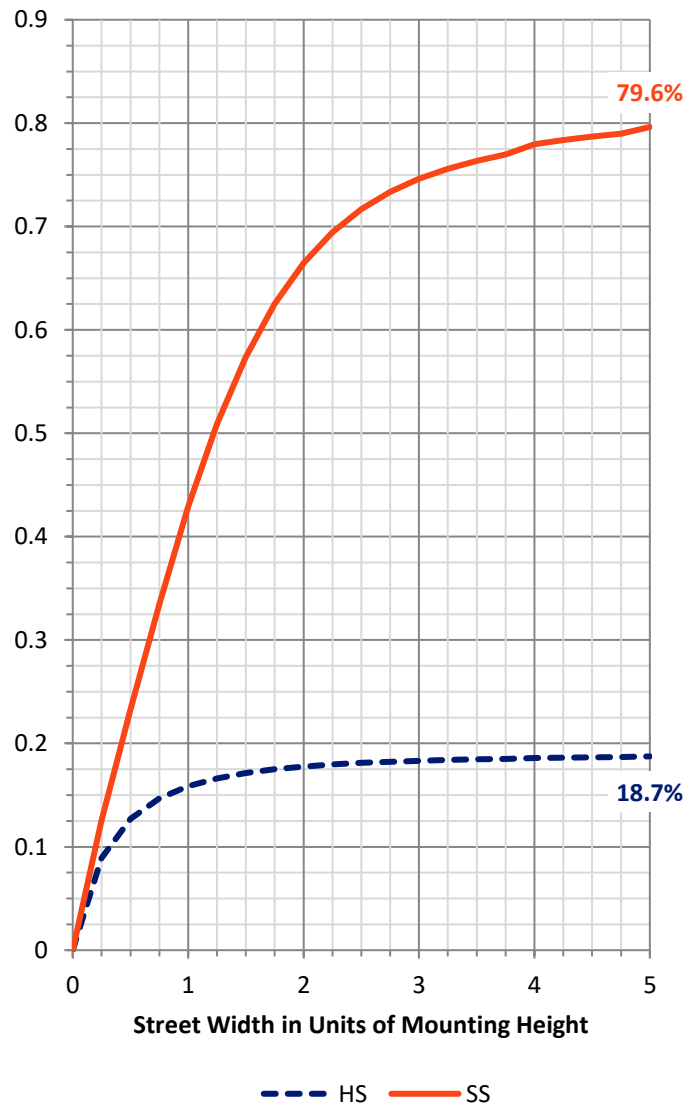
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	318.2	0.0	318.2
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	1353.9	0.0	1353.9
	% Fixture	81.0	0.0	81.0
Total	Lumens	1672.1	0.0	1672.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	2.5
10°-20°	87.6	5.2
20°-30°	128.2	7.7
30°-40°	180.6	10.8
40°-50°	248.2	14.8
50°-60°	338.2	20.2
60°-70°	370.2	22.1
70°-80°	213.7	12.8
80°-90°	64.0	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°	1672.1	100.0
0°-180°	1672.1	100.0

Coefficient of Utilization



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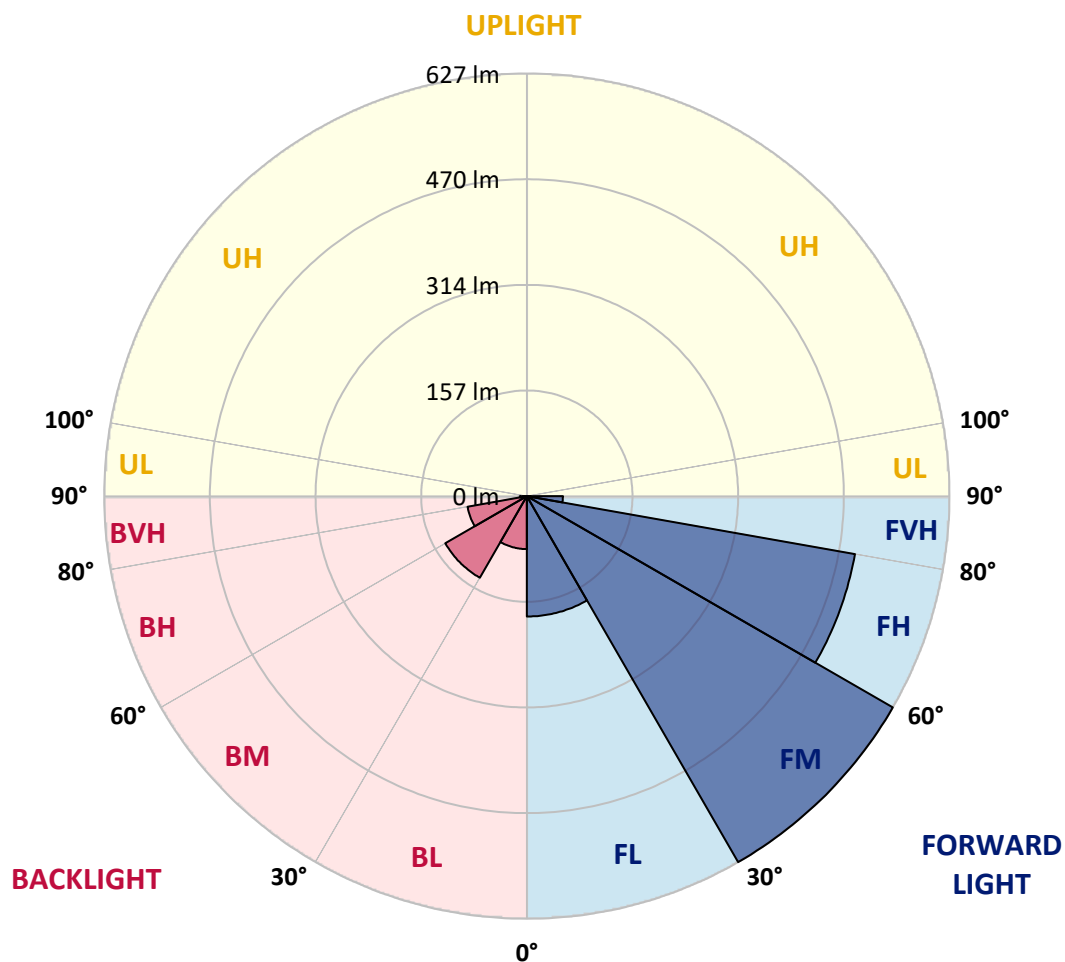
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.6	10.7			
FM	(30°-60°)	627.2	37.5			
FH	(60°-80°)	494.5	29.6			G0/660
FVH	(80°-90°)	53.6	3.2			G1/100
BL	(0°-30°)	78.6	4.7	B0/110		
BM	(30°-60°)	139.8	8.4	B0/220		
BH	(60°-80°)	89.4	5.3	B0/110		G0/110
BVH	(80°-90°)	10.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
2.5°	571.9	569.7	571.9	580.0	582.3	586.0	586.0	580.8	571.1	566.7	559.3
5°	584.5	580.8	599.3	616.4	629.7	628.2	615.6	605.3	586.0	557.0	529.6
7.5°	559.3	563.0	576.3	620.8	652.0	657.9	637.9	617.1	575.6	535.5	498.4
10°	511.8	517.0	545.9	591.9	640.9	650.5	637.9	612.7	563.0	513.3	470.3
12.5°	488.8	500.7	517.7	573.4	608.2	631.2	625.3	609.0	553.3	494.7	453.2
15°	488.8	491.8	517.0	563.7	583.7	584.5	586.7	589.7	556.3	502.9	447.3
17.5°	504.4	512.5	534.0	563.0	566.7	557.8	557.8	570.4	562.2	525.9	468.8
20°	542.2	539.2	567.4	579.3	559.3	537.0	534.8	556.3	568.9	550.4	508.1
22.5°	580.0	593.4	616.4	589.7	552.6	522.9	520.0	546.7	588.9	592.6	553.3
25°	637.1	650.5	662.4	629.7	551.8	519.2	521.4	542.2	613.4	652.7	629.0
27.5°	698.7	706.9	723.9	673.5	569.7	514.8	517.0	548.1	636.4	692.0	688.3
30°	733.6	742.5	738.8	681.7	581.5	517.7	511.8	556.3	623.8	692.0	726.9
32.5°	767.7	762.5	760.3	695.0	596.4	536.3	521.4	573.4	631.2	703.2	776.6
35°	809.2	801.8	795.9	721.0	620.8	554.1	547.4	595.6	647.5	726.2	816.6
37.5°	855.2	855.2	826.3	740.3	649.8	583.0	575.6	627.5	673.5	740.3	871.5
40°	909.4	911.6	860.4	766.2	682.4	629.0	626.8	669.0	698.7	761.0	924.2
42.5°	949.4	950.9	890.1	775.9	720.2	692.8	702.4	735.8	727.6	779.6	927.9
45°	976.9	969.4	910.8	803.3	761.8	788.5	791.4	801.1	765.5	790.7	942.7
47.5°	990.2	988.7	919.7	835.2	849.3	885.6	902.7	889.3	800.3	778.8	942.7
50°	1003.6	991.0	927.9	879.0	934.6	1008.0	1004.3	979.8	848.5	793.7	928.7
52.5°	1012.5	1001.3	944.2	918.3	1016.2	1099.2	1114.1	1068.8	904.9	821.1	935.3
55°	1044.4	1035.5	993.2	971.7	1110.4	1195.7	1197.9	1134.9	964.3	866.3	979.1
57.5°	1082.9	1088.1	1060.7	1047.3	1182.3	1266.1	1258.0	1183.8	1014.7	921.2	1029.5
60°	1110.4	1118.5	1111.9	1113.3	1217.9	1289.9	1271.3	1214.2	1051.8	962.8	1091.1
62.5°	1095.5	1111.9	1139.3	1133.4	1219.4	1272.8	1246.9	1174.2	1056.2	1016.9	1137.8
65°	1054.7	1056.2	1109.6	1142.3	1152.7	1184.5	1150.4	1090.3	1010.2	1050.3	1131.1
67.5°	950.2	962.0	1010.2	1074.0	1030.3	1037.7	1034.7	947.9	940.5	1027.3	1080.0
70°	838.9	847.1	899.7	974.6	870.1	835.2	841.9	777.3	807.7	956.1	976.9
72.5°	693.5	698.7	758.8	824.8	698.0	635.7	651.2	598.6	641.6	836.7	824.1
75°	523.7	533.3	580.0	657.9	514.0	474.0	489.5	468.0	508.1	689.1	639.4
77.5°	372.4	364.9	422.8	514.8	386.4	362.7	364.2	367.9	410.9	580.8	459.1
80°	253.7	255.9	307.8	377.5	303.4	299.7	296.0	325.6	344.9	459.9	333.8
82.5°	150.6	150.6	207.7	268.5	239.6	270.0	252.9	279.6	270.0	338.2	218.8
85°	70.5	70.5	106.8	193.6	185.4	222.5	189.1	211.4	199.5	235.9	98.7
87.5°	11.9	10.4	21.5	94.9	76.4	86.8	34.1	112.7	125.4	164.7	24.5
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°	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
2.5°	551.1	545.9	535.5	522.2	511.1	497.0	492.5	482.9	469.5	468.0	462.1
5°	519.2	501.4	479.2	451.7	433.2	413.9	397.6	387.9	376.8	375.3	372.4
7.5°	484.4	462.1	425.0	392.4	360.5	330.1	315.2	296.7	284.1	274.4	270.0
10°	451.7	430.9	385.0	340.5	312.3	292.2	274.4	255.2	239.6	227.7	223.3
12.5°	430.2	405.7	356.0	313.8	293.0	270.0	250.0	229.2	209.2	193.6	185.4
15°	420.6	397.6	347.1	300.4	270.0	238.1	215.1	194.3	169.9	158.7	155.0
17.5°	443.6	409.4	344.2	284.8	241.8	205.5	177.3	155.0	137.2	126.1	121.6
20°	473.2	430.9	349.4	266.3	215.1	174.3	143.2	119.4	107.6	99.4	98.7
22.5°	511.1	462.8	357.5	252.9	185.4	140.2	112.0	97.9	89.7	89.0	87.5
25°	578.6	520.7	370.9	235.1	161.7	115.7	95.7	87.5	83.8	81.6	83.1
27.5°	636.4	558.5	380.5	224.0	152.1	109.0	92.7	83.8	80.1	79.4	80.1
30°	670.5	593.4	377.5	203.2	132.8	103.8	98.7	95.7	88.3	82.3	82.3
32.5°	701.7	615.6	376.8	184.7	113.5	86.8	82.3	80.1	84.6	87.5	85.3
35°	744.7	650.5	374.6	174.3	105.3	80.1	72.7	66.8	63.8	62.3	64.5
37.5°	790.7	674.2	368.6	172.8	100.9	76.4	70.5	64.5	61.6	60.1	59.3
40°	841.1	699.5	362.0	165.4	98.7	74.2	68.2	63.0	59.3	57.1	56.4
42.5°	873.8	719.5	355.3	161.7	94.2	72.7	66.0	61.6	57.9	54.9	54.9
45°	892.3	743.2	348.6	158.0	89.0	73.4	66.0	60.1	55.6	54.1	52.7
47.5°	900.5	761.0	346.4	152.1	84.6	70.5	64.5	58.6	54.1	51.2	50.4
50°	922.0	798.8	354.5	147.6	79.4	67.5	68.2	57.9	53.4	49.7	49.0
52.5°	934.6	829.3	372.4	140.9	75.7	63.8	66.8	56.4	51.2	47.5	47.5
55°	980.6	879.7	391.6	135.7	71.2	58.6	61.6	53.4	47.5	45.2	45.2
57.5°	1039.2	933.1	408.0	133.5	68.2	54.9	54.9	51.9	45.2	42.3	41.5
60°	1080.0	976.9	417.6	132.0	65.3	51.2	49.0	51.9	43.0	40.1	39.3
62.5°	1084.4	951.6	408.0	131.3	64.5	47.5	44.5	49.7	40.8	37.8	36.3
65°	1056.2	900.5	381.3	128.3	63.8	43.8	41.5	43.0	37.8	35.6	34.1
67.5°	999.9	817.4	342.7	126.8	63.0	40.8	37.8	37.1	34.9	32.6	31.2
70°	868.6	709.1	297.4	120.2	61.6	38.6	34.1	33.4	31.2	29.7	28.9
72.5°	729.1	580.0	245.5	111.3	58.6	34.9	31.2	29.7	28.9	26.7	26.0
75°	558.5	446.5	196.6	98.7	51.2	31.2	27.4	26.0	25.2	23.7	23.0
77.5°	392.4	332.3	145.4	80.1	43.0	28.2	24.5	23.0	22.3	20.0	20.0
80°	266.3	232.9	98.7	55.6	33.4	23.0	21.5	20.0	18.5	17.1	17.1
82.5°	165.4	163.2	71.2	36.3	24.5	18.5	17.1	17.1	14.8	13.4	13.4
85°	75.7	100.1	49.7	25.2	18.5	14.1	14.1	13.4	11.9	9.6	9.6
87.5°	23.7	33.4	26.0	11.1	10.4	8.2	8.2	7.4	7.4	5.9	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
2.5°	468.0	467.3	467.3	464.3	471.7	471.7	476.2	472.5	474.7	475.5	481.4
5°	371.6	377.5	382.0	390.9	396.1	398.3	398.3	404.2	402.0	406.5	415.4
7.5°	272.2	279.6	293.0	304.1	313.0	316.0	315.2	316.7	318.9	313.8	315.2
10°	220.3	215.1	219.6	229.9	238.1	247.7	240.3	239.6	241.8	239.6	244.0
12.5°	183.9	178.0	174.3	174.3	180.2	184.7	182.5	186.2	194.3	196.6	201.8
15°	149.1	143.9	140.9	137.2	143.2	144.6	146.9	152.1	158.0	161.0	166.9
17.5°	119.4	119.4	119.4	116.5	118.7	120.9	121.6	128.3	129.1	132.0	134.3
20°	97.9	100.1	103.8	105.3	107.6	107.6	106.1	109.8	106.8	109.0	110.5
22.5°	88.3	91.2	92.7	93.5	96.4	97.2	93.5	94.2	94.9	92.7	93.5
25°	83.1	84.6	83.1	83.8	84.6	83.1	83.8	85.3	84.6	86.0	85.3
27.5°	80.8	79.4	78.6	77.9	77.9	76.4	77.1	77.1	78.6	79.4	79.4
30°	80.8	78.6	75.7	73.4	73.4	71.2	72.7	74.2	74.9	76.4	76.4
32.5°	83.1	78.6	73.4	71.2	69.0	67.5	69.0	71.2	74.2	74.9	75.7
35°	66.0	68.2	67.5	64.5	63.8	63.8	63.0	63.0	60.8	60.8	60.1
37.5°	59.3	58.6	60.1	60.8	61.6	59.3	59.3	56.4	55.6	56.4	56.4
40°	55.6	55.6	55.6	57.9	58.6	57.1	54.9	53.4	53.4	53.4	54.1
42.5°	54.1	52.7	51.9	53.4	55.6	54.1	51.9	51.2	51.2	51.9	51.9
45°	51.9	51.2	50.4	49.7	52.7	50.4	49.7	49.0	49.0	49.0	49.7
47.5°	49.7	49.0	47.5	47.5	48.2	47.5	46.7	46.7	46.7	48.2	48.2
50°	48.2	47.5	46.0	46.0	46.0	46.0	45.2	45.2	45.2	46.0	46.7
52.5°	46.0	45.2	44.5	43.8	43.8	43.8	43.8	43.8	43.8	44.5	45.2
55°	43.8	43.0	42.3	42.3	43.0	43.0	42.3	43.0	42.3	43.0	43.8
57.5°	41.5	40.8	40.1	40.8	41.5	40.8	40.8	40.8	40.8	40.8	41.5
60°	38.6	38.6	38.6	38.6	40.1	40.1	40.1	40.1	38.6	39.3	40.1
62.5°	37.1	36.3	36.3	37.1	37.8	37.8	38.6	37.8	37.1	37.8	37.8
65°	34.1	34.1	34.1	34.9	34.9	35.6	35.6	35.6	34.9	35.6	35.6
67.5°	31.9	31.9	31.9	31.9	33.4	33.4	33.4	33.4	32.6	32.6	33.4
70°	28.2	28.9	28.2	29.7	31.2	30.4	31.2	31.2	30.4	29.7	31.2
72.5°	26.0	26.0	26.0	26.0	28.2	28.2	28.2	28.9	28.2	27.4	28.2
75°	23.0	23.0	23.0	23.7	25.2	25.2	25.2	25.2	25.2	24.5	24.5
77.5°	20.0	20.8	20.0	20.8	22.3	21.5	22.3	23.0	22.3	21.5	21.5
80°	17.1	17.1	17.1	17.8	18.5	18.5	18.5	19.3	18.5	17.8	17.8
82.5°	13.4	13.4	14.1	14.1	14.8	14.8	14.8	15.6	14.8	14.1	14.1
85°	10.4	10.4	10.4	11.1	11.1	11.9	11.9	12.6	12.6	11.9	11.9
87.5°	6.7	5.9	6.7	6.7	7.4	7.4	6.7	5.9	6.7	5.9	5.2
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°	359°	360°
0°	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
2.5°	487.3	500.7	510.3	517.0	526.6	545.2	552.6	565.9	569.7	571.9
5°	419.1	433.2	453.9	468.8	485.8	520.7	547.4	567.4	576.3	584.5
7.5°	328.6	347.1	368.6	387.9	416.1	459.1	494.0	535.5	551.1	559.3
10°	256.6	273.7	297.4	321.2	360.5	396.8	446.5	484.4	505.9	511.8
12.5°	216.6	236.6	264.8	293.7	318.2	359.7	410.2	465.1	485.1	488.8
15°	183.9	211.4	240.3	270.0	298.2	334.5	388.7	455.4	485.1	488.8
17.5°	152.1	176.5	210.7	242.5	275.2	324.9	392.4	463.6	493.3	504.4
20°	120.9	144.6	171.3	211.4	255.9	308.6	400.5	491.0	530.3	542.2
22.5°	100.1	110.5	136.5	175.0	227.7	297.4	408.7	534.0	575.6	580.0
25°	87.5	94.9	111.3	147.6	205.5	290.0	428.0	583.7	637.1	637.1
27.5°	81.6	84.6	95.7	128.3	189.9	283.3	447.3	638.6	688.3	698.7
30°	80.1	87.5	93.5	114.2	172.8	264.8	465.1	681.7	732.8	733.6
32.5°	78.6	77.1	81.6	99.4	152.1	245.5	479.9	725.4	765.5	767.7
35°	61.6	64.5	71.9	87.5	136.5	231.4	487.3	749.2	807.0	809.2
37.5°	57.9	61.6	67.5	80.8	126.1	219.6	489.5	795.1	850.8	855.2
40°	56.4	59.3	63.8	74.9	117.9	204.7	494.0	842.6	915.3	909.4
42.5°	53.4	57.1	61.6	71.9	111.3	193.6	494.7	868.6	949.4	949.4
45°	52.7	54.9	60.1	71.9	103.8	183.9	482.9	894.5	988.7	976.9
47.5°	49.7	54.1	58.6	69.7	94.9	174.3	468.8	907.9	993.9	990.2
50°	49.0	53.4	60.8	66.0	89.7	169.9	465.8	941.3	1004.3	1003.6
52.5°	47.5	51.9	63.0	63.0	83.1	163.9	479.9	956.1	1006.5	1012.5
55°	45.2	51.9	58.6	57.9	77.1	156.5	495.5	994.7	1045.8	1044.4
57.5°	43.8	50.4	55.6	52.7	70.5	151.3	518.5	1031.8	1093.3	1082.9
60°	41.5	50.4	49.7	49.0	65.3	146.9	537.8	1039.2	1103.7	1110.4
62.5°	40.1	52.7	43.8	45.2	60.8	144.6	529.6	983.5	1089.6	1095.5
65°	38.6	45.2	40.1	41.5	59.3	140.2	497.7	916.8	1028.8	1054.7
67.5°	35.6	37.1	37.1	38.6	57.9	129.8	432.4	796.6	936.1	950.2
70°	32.6	33.4	33.4	35.6	56.4	117.9	356.8	689.1	812.2	838.9
72.5°	29.7	29.7	29.7	32.6	51.9	108.3	293.7	529.6	675.0	693.5
75°	26.0	26.0	26.0	28.9	46.7	98.7	231.4	393.9	497.0	523.7
77.5°	23.0	23.0	22.3	26.0	40.8	80.1	166.9	278.2	350.1	372.4
80°	19.3	18.5	18.5	20.8	31.9	57.9	107.6	196.6	244.0	253.7
82.5°	15.6	14.8	14.1	15.6	23.0	36.3	66.8	137.2	156.5	150.6
85°	14.8	15.6	12.6	11.9	16.3	23.7	42.3	84.6	70.5	70.5
87.5°	5.9	5.2	5.2	4.5	8.2	8.9	18.5	15.6	11.9	11.9
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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