

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: P675864

Luminaire Tested: **CCW-SA-1A-760-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675864
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-760-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SLL distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

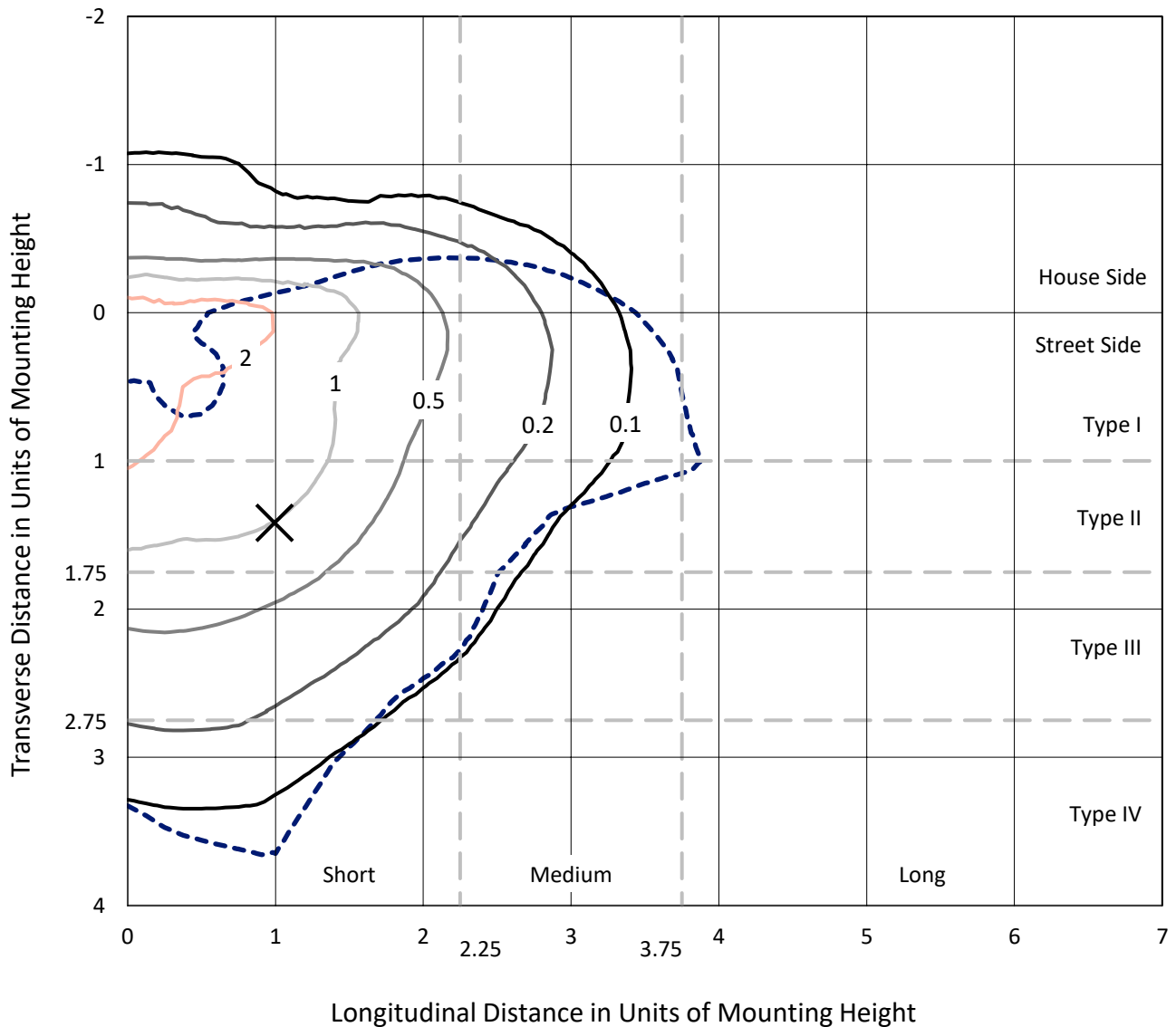
Lumens per Lamp: N/A
Luminaire Lumens: 2322 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

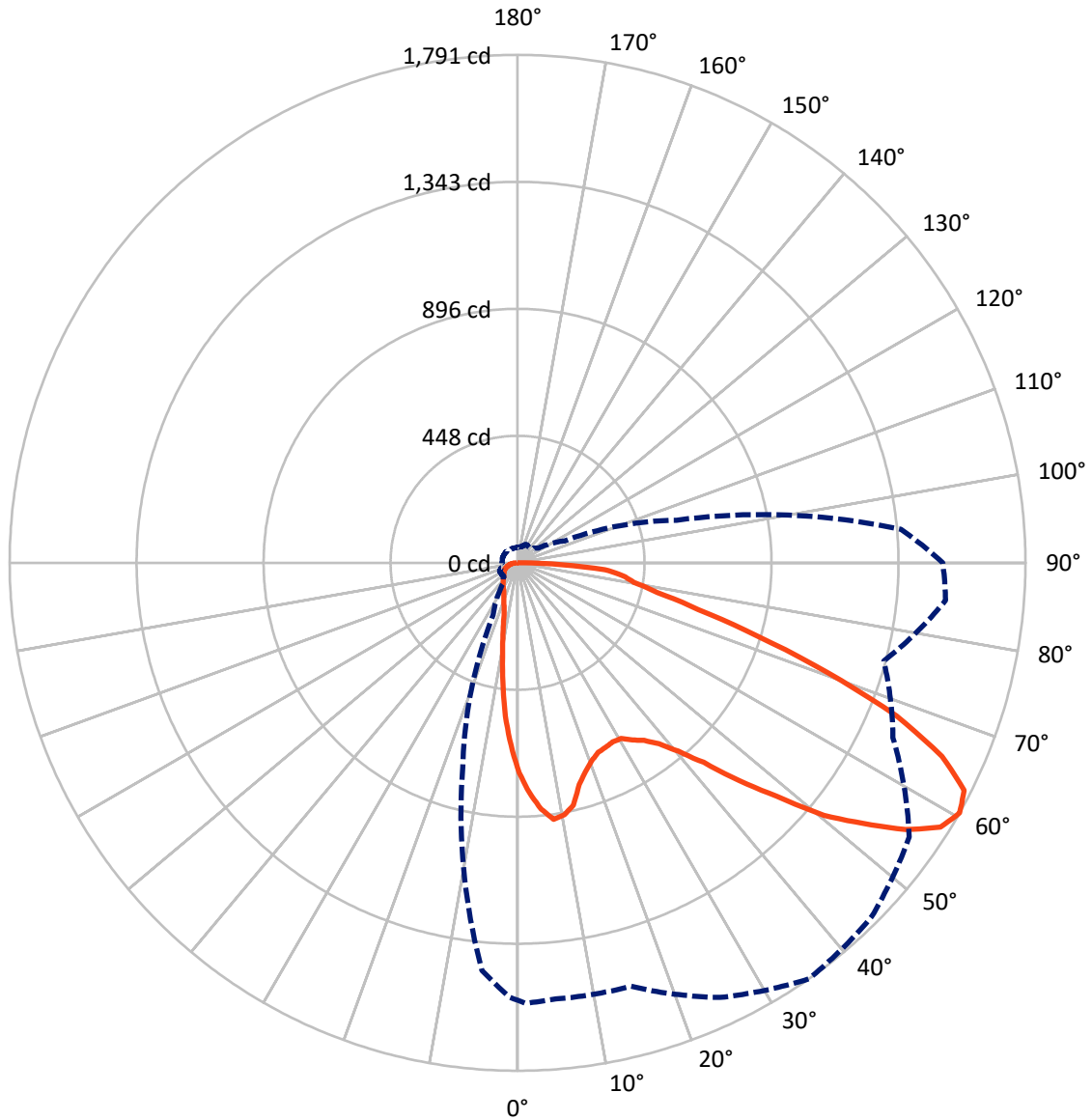
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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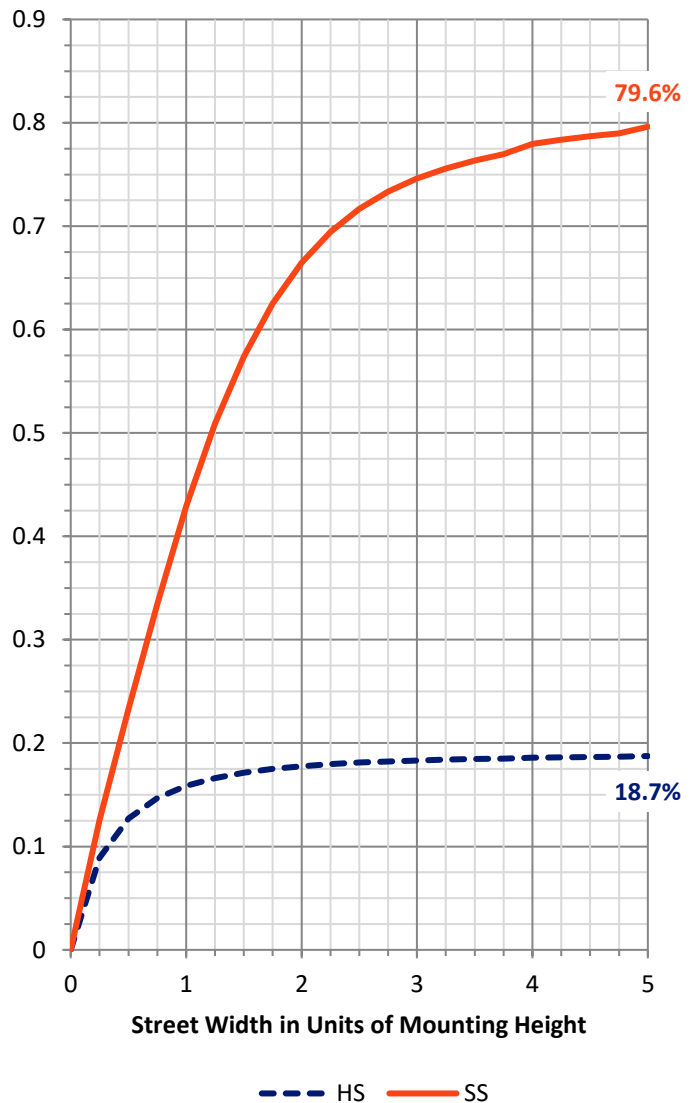
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.9	0.0	441.9
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	1880.1	0.0	1880.1
	% Fixture	81.0	0.0	81.0
Total	Lumens	2322.0	0.0	2322.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	2.5
10°-20°	121.6	5.2
20°-30°	178.0	7.7
30°-40°	250.8	10.8
40°-50°	344.6	14.8
50°-60°	469.7	20.2
60°-70°	514.0	22.1
70°-80°	296.8	12.8
80°-90°	88.9	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°	2322.0	100.0
0°-180°	2322.0	100.0

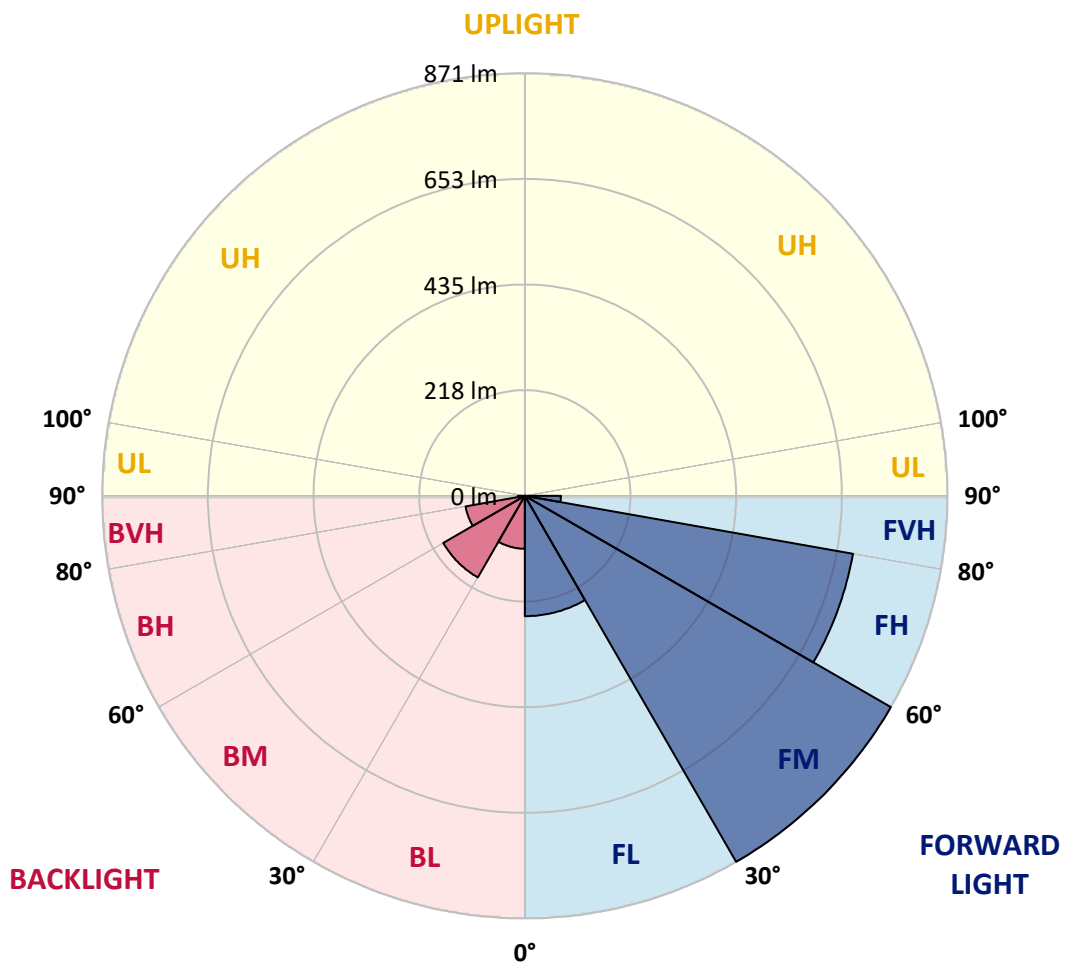


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.1	10.7			
FM (30°-60°)	870.9	37.5			
FH (60°-80°)	686.7	29.6			G1/1800
FVH (80°-90°)	74.4	3.2			G1/100
BL (0°-30°)	109.2	4.7	B0/110		
BM (30°-60°)	194.1	8.4	B0/220		
BH (60°-80°)	124.1	5.3	B1/500		G1/500
BVH (80°-90°)	14.5	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°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	794.2	791.1	794.2	805.5	808.6	813.7	813.7	806.5	793.1	786.9	776.6
5°	811.7	806.5	832.3	856.0	874.5	872.4	854.9	840.5	813.7	773.6	735.4
7.5°	776.6	781.8	800.3	862.1	905.4	913.6	885.8	857.0	799.3	743.7	692.2
10°	710.7	717.9	758.1	822.0	889.9	903.3	885.8	850.8	781.8	712.8	653.0
12.5°	678.8	695.3	719.0	796.2	844.6	876.6	868.3	845.7	768.4	687.0	629.3
15°	678.8	682.9	717.9	782.8	810.6	811.7	814.8	818.9	772.5	698.4	621.1
17.5°	700.4	711.8	741.6	781.8	786.9	774.6	774.6	792.1	780.8	730.3	651.0
20°	753.0	748.8	788.0	804.5	776.6	745.7	742.7	772.5	790.0	764.3	705.6
22.5°	805.5	824.0	856.0	818.9	767.4	726.2	722.1	759.1	817.8	823.0	768.4
25°	884.8	903.3	919.8	874.5	766.3	721.0	724.1	753.0	851.8	906.4	873.5
27.5°	970.3	981.6	1005.3	935.3	791.1	714.8	717.9	761.2	883.8	961.0	955.9
30°	1018.7	1031.1	1025.9	946.6	807.5	719.0	710.7	772.5	866.3	961.0	1009.4
32.5°	1066.1	1058.9	1055.8	965.1	828.1	744.7	724.1	796.2	876.6	976.5	1078.4
35°	1123.8	1113.5	1105.2	1001.2	862.1	769.4	760.2	827.1	899.2	1008.4	1134.1
37.5°	1187.6	1187.6	1147.5	1028.0	902.3	809.6	799.3	871.4	935.3	1028.0	1210.3
40°	1262.8	1265.9	1194.8	1064.0	947.6	873.5	870.4	929.1	970.3	1056.8	1283.4
42.5°	1318.4	1320.5	1236.0	1077.4	1000.2	962.0	975.4	1021.8	1010.5	1082.6	1288.6
45°	1356.5	1346.2	1264.9	1115.5	1057.8	1094.9	1099.0	1112.4	1063.0	1098.0	1309.2
47.5°	1375.1	1373.0	1277.2	1159.8	1179.4	1229.9	1253.5	1235.0	1111.4	1081.5	1309.2
50°	1393.6	1376.1	1288.6	1220.6	1297.8	1399.8	1394.7	1360.7	1178.4	1102.1	1289.6
52.5°	1406.0	1390.5	1311.2	1275.2	1411.1	1526.5	1547.1	1484.3	1256.6	1140.2	1298.9
55°	1450.3	1437.9	1379.2	1349.3	1542.0	1660.4	1663.5	1575.9	1339.0	1203.1	1359.6
57.5°	1503.8	1511.1	1472.9	1454.4	1641.9	1758.3	1746.9	1643.9	1409.1	1279.3	1429.7
60°	1542.0	1553.3	1544.0	1546.1	1691.3	1791.2	1765.5	1686.2	1460.6	1337.0	1515.2
62.5°	1521.4	1544.0	1582.1	1573.9	1693.4	1767.5	1731.5	1630.5	1466.8	1412.2	1580.1
65°	1464.7	1466.8	1540.9	1586.2	1600.7	1645.0	1597.6	1514.1	1402.9	1458.5	1570.8
67.5°	1319.5	1335.9	1402.9	1491.5	1430.7	1441.0	1436.9	1316.4	1306.1	1426.6	1499.7
70°	1165.0	1176.3	1249.4	1353.5	1208.2	1159.8	1169.1	1079.5	1121.7	1327.7	1356.5
72.5°	963.1	970.3	1053.7	1145.4	969.3	882.7	904.4	831.2	891.0	1161.9	1144.4
75°	727.2	740.6	805.5	913.6	713.8	658.2	679.8	649.9	705.6	956.9	887.9
77.5°	517.1	506.8	587.1	714.8	536.6	503.7	505.7	510.9	570.6	806.5	637.6
80°	352.3	355.4	427.5	524.3	421.3	416.1	411.0	452.2	479.0	638.6	463.5
82.5°	209.1	209.1	288.4	372.9	332.7	374.9	351.2	388.3	374.9	469.7	303.9
85°	97.9	97.9	148.3	268.8	257.5	309.0	262.7	293.6	277.1	327.5	137.0
87.5°	16.5	14.4	29.9	131.8	106.1	120.5	47.4	156.6	174.1	228.7	34.0
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°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	765.3	758.1	743.7	725.1	709.7	690.1	683.9	670.5	652.0	649.9	641.7
5°	721.0	696.3	665.4	627.3	601.5	574.8	552.1	538.7	523.3	521.2	517.1
7.5°	672.6	641.7	590.2	544.9	500.6	458.4	437.8	412.0	394.5	381.1	374.9
10°	627.3	598.4	534.6	472.8	433.6	405.8	381.1	354.3	332.7	316.2	310.0
12.5°	597.4	563.4	494.4	435.7	406.9	374.9	347.1	318.3	290.5	268.8	257.5
15°	584.0	552.1	482.1	417.2	374.9	330.6	298.7	269.9	235.9	220.4	215.3
17.5°	616.0	568.6	477.9	395.5	335.8	285.3	246.2	215.3	190.6	175.1	168.9
20°	657.2	598.4	485.1	369.8	298.7	242.1	198.8	165.8	149.4	138.0	137.0
22.5°	709.7	642.7	496.5	351.2	257.5	194.7	155.5	136.0	124.6	123.6	121.5
25°	803.4	723.1	515.0	326.5	224.5	160.7	132.9	121.5	116.4	113.3	115.4
27.5°	883.8	775.6	528.4	311.1	211.2	151.4	128.8	116.4	111.2	110.2	111.2
30°	931.1	824.0	524.3	282.2	184.4	144.2	137.0	132.9	122.6	114.3	114.3
32.5°	974.4	854.9	523.3	256.5	157.6	120.5	114.3	111.2	117.4	121.5	118.5
35°	1034.1	903.3	520.2	242.1	146.3	111.2	100.9	92.7	88.6	86.5	89.6
37.5°	1098.0	936.3	511.9	240.0	140.1	106.1	97.9	89.6	85.5	83.4	82.4
40°	1168.1	971.3	502.7	229.7	137.0	103.0	94.8	87.6	82.4	79.3	78.3
42.5°	1213.4	999.1	493.4	224.5	130.8	100.9	91.7	85.5	80.3	76.2	76.2
45°	1239.1	1032.1	484.1	219.4	123.6	102.0	91.7	83.4	77.3	75.2	73.1
47.5°	1250.5	1056.8	481.0	211.2	117.4	97.9	89.6	81.4	75.2	71.1	70.0
50°	1280.3	1109.3	492.4	205.0	110.2	93.7	94.8	80.3	74.2	69.0	68.0
52.5°	1297.8	1151.6	517.1	195.7	105.1	88.6	92.7	78.3	71.1	65.9	65.9
55°	1361.7	1221.6	543.9	188.5	98.9	81.4	85.5	74.2	65.9	62.8	62.8
57.5°	1443.1	1295.8	566.5	185.4	94.8	76.2	76.2	72.1	62.8	58.7	57.7
60°	1499.7	1356.5	579.9	183.3	90.6	71.1	68.0	72.1	59.7	55.6	54.6
62.5°	1505.9	1321.5	566.5	182.3	89.6	65.9	61.8	69.0	56.7	52.5	50.5
65°	1466.8	1250.5	529.4	178.2	88.6	60.8	57.7	59.7	52.5	49.4	47.4
67.5°	1388.5	1135.1	475.9	176.1	87.6	56.7	52.5	51.5	48.4	45.3	43.3
70°	1206.2	984.7	413.0	166.9	85.5	53.6	47.4	46.4	43.3	41.2	40.2
72.5°	1012.5	805.5	340.9	154.5	81.4	48.4	43.3	41.2	40.2	37.1	36.1
75°	775.6	620.1	273.0	137.0	71.1	43.3	38.1	36.1	35.0	33.0	31.9
77.5°	544.9	461.5	201.9	111.2	59.7	39.1	34.0	31.9	30.9	27.8	27.8
80°	369.8	323.4	137.0	77.3	46.4	31.9	29.9	27.8	25.8	23.7	23.7
82.5°	229.7	226.6	98.9	50.5	34.0	25.8	23.7	23.7	20.6	18.5	18.5
85°	105.1	139.1	69.0	35.0	25.8	19.6	19.6	18.5	16.5	13.4	13.4
87.5°	33.0	46.4	36.1	15.5	14.4	11.3	11.3	10.3	10.3	8.2	8.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	649.9	648.9	648.9	644.8	655.1	655.1	661.3	656.1	659.2	660.2	668.5
5°	516.0	524.3	530.5	542.8	550.0	553.1	553.1	561.4	558.3	564.5	576.8
7.5°	378.0	388.3	406.9	422.3	434.7	438.8	437.8	439.8	442.9	435.7	437.8
10°	305.9	298.7	304.9	319.3	330.6	344.0	333.7	332.7	335.8	332.7	338.9
12.5°	255.4	247.2	242.1	242.1	250.3	256.5	253.4	258.5	269.9	273.0	280.2
15°	207.0	199.8	195.7	190.6	198.8	200.9	203.9	211.2	219.4	223.5	231.8
17.5°	165.8	165.8	165.8	161.7	164.8	167.9	168.9	178.2	179.2	183.3	186.4
20°	136.0	139.1	144.2	146.3	149.4	149.4	147.3	152.4	148.3	151.4	153.5
22.5°	122.6	126.7	128.8	129.8	133.9	134.9	129.8	130.8	131.8	128.8	129.8
25°	115.4	117.4	115.4	116.4	117.4	115.4	116.4	118.5	117.4	119.5	118.5
27.5°	112.3	110.2	109.2	108.2	108.2	106.1	107.1	107.1	109.2	110.2	110.2
30°	112.3	109.2	105.1	102.0	102.0	98.9	100.9	103.0	104.0	106.1	106.1
32.5°	115.4	109.2	102.0	98.9	95.8	93.7	95.8	98.9	103.0	104.0	105.1
35°	91.7	94.8	93.7	89.6	88.6	88.6	87.6	87.6	84.5	84.5	83.4
37.5°	82.4	81.4	83.4	84.5	85.5	82.4	82.4	78.3	77.3	78.3	78.3
40°	77.3	77.3	77.3	80.3	81.4	79.3	76.2	74.2	74.2	74.2	75.2
42.5°	75.2	73.1	72.1	74.2	77.3	75.2	72.1	71.1	71.1	72.1	72.1
45°	72.1	71.1	70.0	69.0	73.1	70.0	69.0	68.0	68.0	68.0	69.0
47.5°	69.0	68.0	65.9	65.9	67.0	65.9	64.9	64.9	64.9	67.0	67.0
50°	67.0	65.9	63.9	63.9	63.9	63.9	62.8	62.8	62.8	63.9	64.9
52.5°	63.9	62.8	61.8	60.8	60.8	60.8	60.8	60.8	60.8	61.8	62.8
55°	60.8	59.7	58.7	58.7	59.7	59.7	58.7	59.7	58.7	59.7	60.8
57.5°	57.7	56.7	55.6	56.7	57.7	56.7	56.7	56.7	56.7	56.7	57.7
60°	53.6	53.6	53.6	53.6	55.6	55.6	55.6	55.6	53.6	54.6	55.6
62.5°	51.5	50.5	50.5	51.5	52.5	52.5	53.6	52.5	51.5	52.5	52.5
65°	47.4	47.4	47.4	48.4	48.4	49.4	49.4	49.4	48.4	49.4	49.4
67.5°	44.3	44.3	44.3	44.3	46.4	46.4	46.4	46.4	45.3	45.3	46.4
70°	39.1	40.2	39.1	41.2	43.3	42.2	43.3	43.3	42.2	41.2	43.3
72.5°	36.1	36.1	36.1	36.1	39.1	39.1	39.1	40.2	39.1	38.1	39.1
75°	31.9	31.9	31.9	33.0	35.0	35.0	35.0	35.0	35.0	34.0	34.0
77.5°	27.8	28.8	27.8	28.8	30.9	29.9	30.9	31.9	30.9	29.9	29.9
80°	23.7	23.7	23.7	24.7	25.8	25.8	25.8	26.8	25.8	24.7	24.7
82.5°	18.5	18.5	19.6	19.6	20.6	20.6	20.6	21.6	20.6	19.6	19.6
85°	14.4	14.4	14.4	15.5	15.5	16.5	16.5	17.5	17.5	16.5	16.5
87.5°	9.3	8.2	9.3	9.3	10.3	10.3	9.3	8.2	9.3	8.2	7.2
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°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	676.7	695.3	708.7	717.9	731.3	757.1	767.4	785.9	791.1	794.2
5°	582.0	601.5	630.4	651.0	674.7	723.1	760.2	788.0	800.3	811.7
7.5°	456.3	482.1	511.9	538.7	577.8	637.6	686.0	743.7	765.3	776.6
10°	356.4	380.1	413.0	446.0	500.6	551.1	620.1	672.6	702.5	710.7
12.5°	300.8	328.6	367.7	407.9	441.9	499.6	569.6	645.8	673.6	678.8
15°	255.4	293.6	333.7	374.9	414.1	464.5	539.7	632.4	673.6	678.8
17.5°	211.2	245.1	292.5	336.8	382.1	451.2	544.9	643.8	685.0	700.4
20°	167.9	200.9	237.9	293.6	355.4	428.5	556.2	681.9	736.5	753.0
22.5°	139.1	153.5	189.5	243.1	316.2	413.0	567.5	741.6	799.3	805.5
25°	121.5	131.8	154.5	205.0	285.3	402.7	594.3	810.6	884.8	884.8
27.5°	113.3	117.4	132.9	178.2	263.7	393.5	621.1	886.9	955.9	970.3
30°	111.2	121.5	129.8	158.6	240.0	367.7	645.8	946.6	1017.7	1018.7
32.5°	109.2	107.1	113.3	138.0	211.2	340.9	666.4	1007.4	1063.0	1066.1
35°	85.5	89.6	99.9	121.5	189.5	321.4	676.7	1040.3	1120.7	1123.8
37.5°	80.3	85.5	93.7	112.3	175.1	304.9	679.8	1104.2	1181.4	1187.6
40°	78.3	82.4	88.6	104.0	163.8	284.3	686.0	1170.1	1271.1	1262.8
42.5°	74.2	79.3	85.5	99.9	154.5	268.8	687.0	1206.2	1318.4	1318.4
45°	73.1	76.2	83.4	99.9	144.2	255.4	670.5	1242.2	1373.0	1356.5
47.5°	69.0	75.2	81.4	96.8	131.8	242.1	651.0	1260.8	1380.2	1375.1
50°	68.0	74.2	84.5	91.7	124.6	235.9	646.9	1307.1	1394.7	1393.6
52.5°	65.9	72.1	87.6	87.6	115.4	227.6	666.4	1327.7	1397.7	1406.0
55°	62.8	72.1	81.4	80.3	107.1	217.3	688.1	1381.3	1452.3	1450.3
57.5°	60.8	70.0	77.3	73.1	97.9	210.1	720.0	1432.8	1518.3	1503.8
60°	57.7	70.0	69.0	68.0	90.6	203.9	746.8	1443.1	1532.7	1542.0
62.5°	55.6	73.1	60.8	62.8	84.5	200.9	735.4	1365.8	1513.1	1521.4
65°	53.6	62.8	55.6	57.7	82.4	194.7	691.1	1273.1	1428.7	1464.7
67.5°	49.4	51.5	51.5	53.6	80.3	180.3	600.5	1106.3	1299.9	1319.5
70°	45.3	46.4	46.4	49.4	78.3	163.8	495.4	956.9	1127.9	1165.0
72.5°	41.2	41.2	41.2	45.3	72.1	150.4	407.9	735.4	937.3	963.1
75°	36.1	36.1	36.1	40.2	64.9	137.0	321.4	546.9	690.1	727.2
77.5°	31.9	31.9	30.9	36.1	56.7	111.2	231.8	386.3	486.2	517.1
80°	26.8	25.8	25.8	28.8	44.3	80.3	149.4	273.0	338.9	352.3
82.5°	21.6	20.6	19.6	21.6	31.9	50.5	92.7	190.6	217.3	209.1
85°	20.6	21.6	17.5	16.5	22.7	33.0	58.7	117.4	97.9	97.9
87.5°	8.2	7.2	7.2	6.2	11.3	12.4	25.8	21.6	16.5	16.5
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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