

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: P671678

Luminaire Tested: **CCP-SA-1A-740-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671678
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-740-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SLL distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

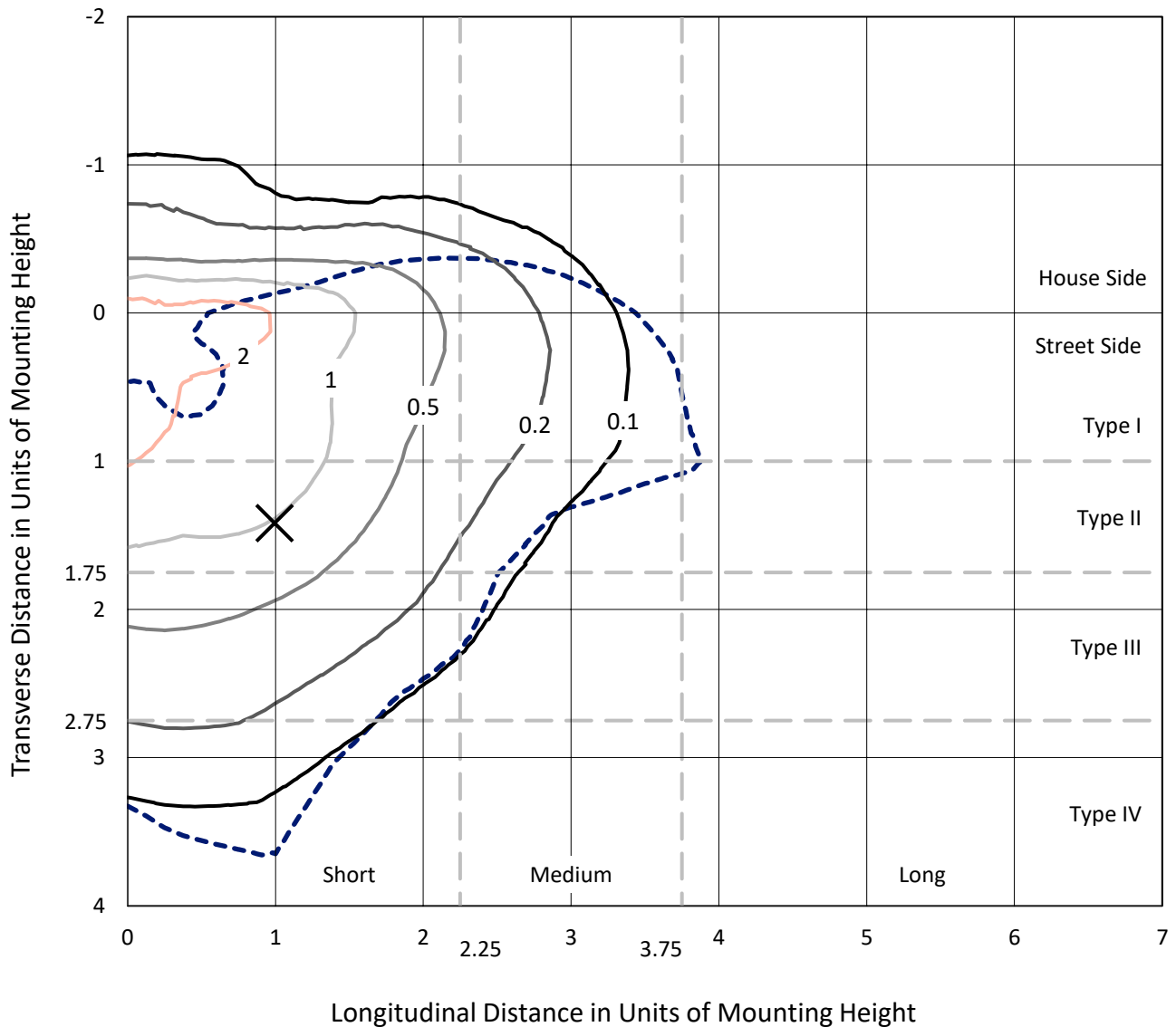
Lumens per Lamp: N/A
Luminaire Lumens: 2270 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

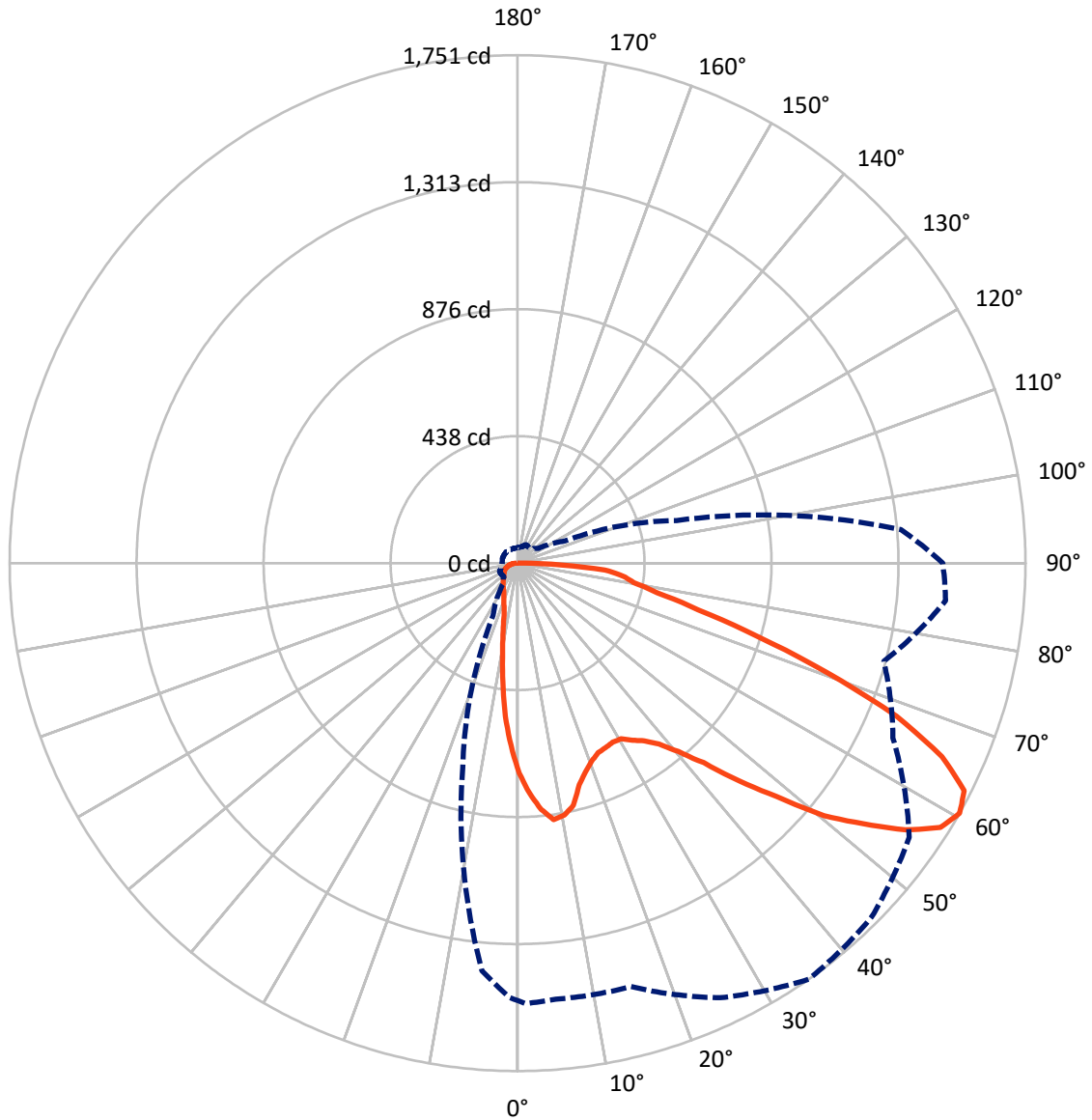
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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	432.0	0.0	432.0
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	1838.0	0.0	1838.0
	% Fixture	81.0	0.0	81.0
Total	Lumens	2270.0	0.0	2270.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	2.5
10°-20°	118.9	5.2
20°-30°	174.0	7.7
30°-40°	245.1	10.8
40°-50°	336.9	14.8
50°-60°	459.2	20.2
60°-70°	502.5	22.1
70°-80°	290.1	12.8
80°-90°	86.9	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°	2270.0	100.0
0°-180°	2270.0	100.0



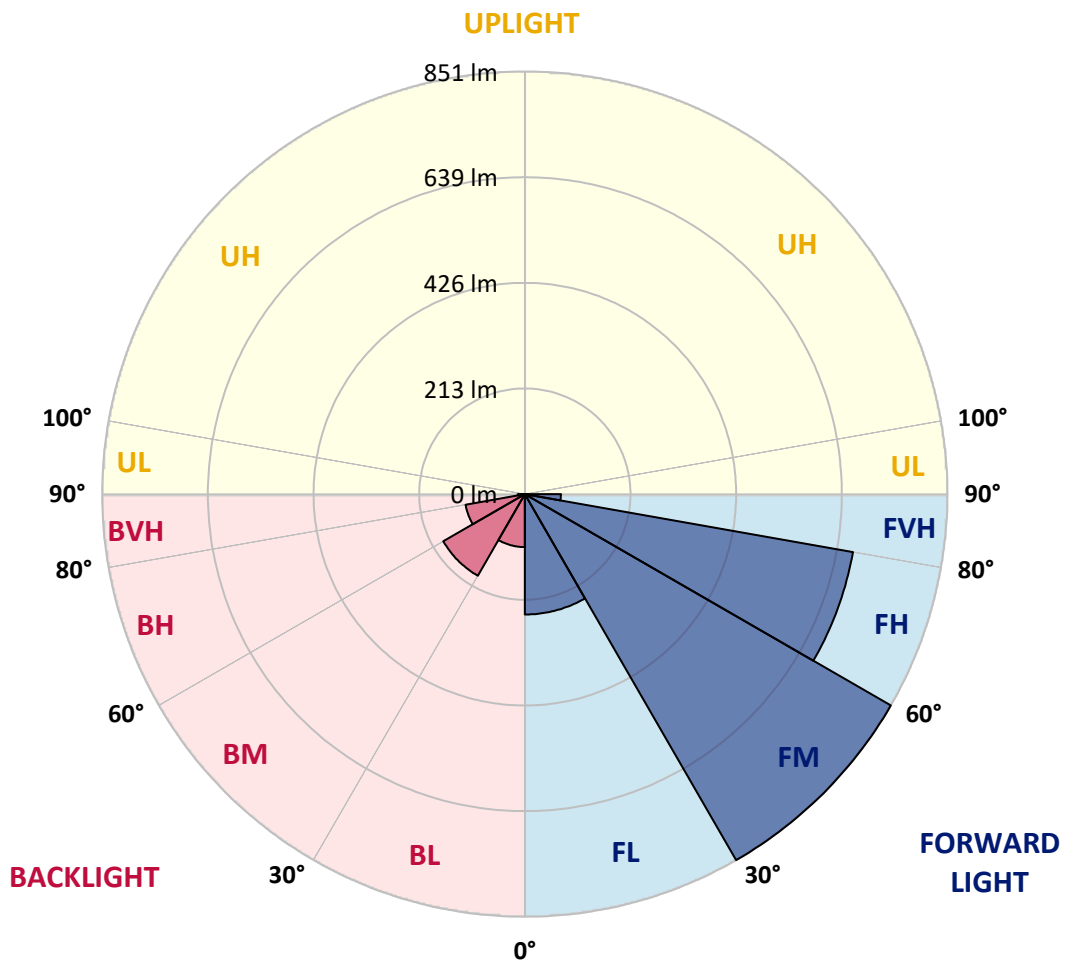
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.5	10.7			
FM (30°-60°)	851.4	37.5			
FH (60°-80°)	671.3	29.6			G1/1800
FVH (80°-90°)	72.7	3.2			G1/100
BL (0°-30°)	106.7	4.7	B0/110		
BM (30°-60°)	189.8	8.4	B0/220		
BH (60°-80°)	121.3	5.3	B1/500		G1/500
BVH (80°-90°)	14.2	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°	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0
2.5°	776.4	773.4	776.4	787.5	790.5	795.5	795.5	788.5	775.4	769.3	759.3
5°	793.5	788.5	813.6	836.8	854.9	852.9	835.8	821.7	795.5	756.2	719.0
7.5°	759.3	764.3	782.4	842.8	885.1	893.2	866.0	837.8	781.4	727.0	676.7
10°	694.8	701.9	741.1	803.6	870.0	883.1	866.0	831.8	764.3	696.8	638.4
12.5°	663.6	679.7	702.9	778.4	825.7	856.9	848.9	826.7	751.2	671.6	615.3
15°	663.6	667.6	701.9	765.3	792.5	793.5	796.5	800.5	755.2	682.7	607.2
17.5°	684.7	695.8	725.0	764.3	769.3	757.2	757.2	774.4	763.3	713.9	636.4
20°	736.1	732.1	770.3	786.4	759.3	729.0	726.0	755.2	772.3	747.2	689.8
22.5°	787.5	805.6	836.8	800.5	750.2	709.9	705.9	742.1	799.5	804.6	751.2
25°	865.0	883.1	899.2	854.9	749.2	704.9	707.9	736.1	832.8	886.1	853.9
27.5°	948.6	959.6	982.8	914.3	773.4	698.8	701.9	744.2	864.0	939.5	934.5
30°	995.9	1008.0	1002.9	925.4	789.5	702.9	694.8	755.2	846.9	939.5	986.8
32.5°	1042.2	1035.2	1032.1	943.5	809.6	728.0	707.9	778.4	856.9	954.6	1054.3
35°	1098.6	1088.5	1080.5	978.8	842.8	752.2	743.1	808.6	879.1	985.8	1108.7
37.5°	1161.0	1161.0	1121.8	1005.0	882.1	791.5	781.4	851.9	914.3	1005.0	1183.2
40°	1234.5	1237.6	1168.1	1040.2	926.4	853.9	850.9	908.3	948.6	1033.2	1254.7
42.5°	1288.9	1290.9	1208.4	1053.3	977.8	940.5	953.6	998.9	987.8	1058.3	1259.7
45°	1326.2	1316.1	1236.6	1090.5	1034.2	1070.4	1074.4	1087.5	1039.2	1073.4	1279.9
47.5°	1344.3	1342.3	1248.6	1133.8	1153.0	1202.3	1225.5	1207.4	1086.5	1057.3	1279.9
50°	1362.4	1345.3	1259.7	1193.3	1268.8	1368.5	1363.4	1330.2	1152.0	1077.5	1260.7
52.5°	1374.5	1359.4	1281.9	1246.6	1379.5	1492.3	1512.5	1451.0	1228.5	1114.7	1269.8
55°	1417.8	1405.7	1348.3	1319.1	1507.4	1623.2	1626.3	1540.7	1309.1	1176.1	1329.2
57.5°	1470.2	1477.2	1440.0	1421.8	1605.1	1718.9	1707.8	1607.1	1377.5	1250.7	1397.7
60°	1507.4	1518.5	1509.4	1511.5	1653.4	1751.1	1725.9	1648.4	1427.9	1307.0	1481.3
62.5°	1487.3	1509.4	1546.7	1538.6	1655.5	1728.0	1692.7	1594.0	1433.9	1380.6	1544.7
65°	1431.9	1433.9	1506.4	1550.7	1564.8	1608.1	1561.8	1480.2	1371.5	1425.9	1535.6
67.5°	1289.9	1306.0	1371.5	1458.1	1398.7	1408.8	1404.7	1286.9	1276.8	1394.7	1466.1
70°	1138.9	1150.0	1221.5	1323.2	1181.2	1133.8	1142.9	1055.3	1096.6	1298.0	1326.2
72.5°	941.5	948.6	1030.1	1119.8	947.6	863.0	884.1	812.6	871.0	1135.9	1118.7
75°	710.9	724.0	787.5	893.2	697.8	643.5	664.6	635.4	689.8	935.5	868.0
77.5°	505.5	495.4	574.0	698.8	524.6	492.4	494.4	499.5	557.9	788.5	623.3
80°	344.4	347.4	417.9	512.5	411.9	406.8	401.8	442.1	468.2	624.3	453.1
82.5°	204.4	204.4	282.0	364.5	325.3	366.5	343.4	379.6	366.5	459.2	297.1
85°	95.7	95.7	145.0	262.8	251.7	302.1	256.8	287.0	270.9	320.2	133.9
87.5°	16.1	14.1	29.2	128.9	103.7	117.8	46.3	153.1	170.2	223.5	33.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0
2.5°	748.2	741.1	727.0	708.9	693.8	674.7	668.6	655.5	637.4	635.4	627.3
5°	704.9	680.7	650.5	613.2	588.1	561.9	539.7	526.6	511.5	509.5	505.5
7.5°	657.6	627.3	577.0	532.7	489.4	448.1	428.0	402.8	385.7	372.6	366.5
10°	613.2	585.0	522.6	462.2	423.9	396.7	372.6	346.4	325.3	309.1	303.1
12.5°	584.0	550.8	483.3	425.9	397.8	366.5	339.3	311.2	284.0	262.8	251.7
15°	571.0	539.7	471.3	407.8	366.5	323.2	292.0	263.8	230.6	215.5	210.5
17.5°	602.2	555.8	467.2	386.7	328.3	278.9	240.7	210.5	186.3	171.2	165.1
20°	642.4	585.0	474.3	361.5	292.0	236.6	194.3	162.1	146.0	134.9	133.9
22.5°	693.8	628.3	485.4	343.4	251.7	190.3	152.1	132.9	121.8	120.8	118.8
25°	785.4	706.9	503.5	319.2	219.5	157.1	129.9	118.8	113.8	110.8	112.8
27.5°	864.0	758.2	516.6	304.1	206.4	148.0	125.9	113.8	108.8	107.7	108.8
30°	910.3	805.6	512.5	275.9	180.2	141.0	133.9	129.9	119.8	111.8	111.8
32.5°	952.6	835.8	511.5	250.7	154.1	117.8	111.8	108.8	114.8	118.8	115.8
35°	1011.0	883.1	508.5	236.6	143.0	108.8	98.7	90.6	86.6	84.6	87.6
37.5°	1073.4	915.3	500.5	234.6	136.9	103.7	95.7	87.6	83.6	81.6	80.6
40°	1141.9	949.6	491.4	224.6	133.9	100.7	92.6	85.6	80.6	77.5	76.5
42.5°	1186.2	976.8	482.3	219.5	127.9	98.7	89.6	83.6	78.5	74.5	74.5
45°	1211.4	1009.0	473.3	214.5	120.8	99.7	89.6	81.6	75.5	73.5	71.5
47.5°	1222.5	1033.2	470.3	206.4	114.8	95.7	87.6	79.6	73.5	69.5	68.5
50°	1251.7	1084.5	481.3	200.4	107.7	91.6	92.6	78.5	72.5	67.5	66.5
52.5°	1268.8	1125.8	505.5	191.3	102.7	86.6	90.6	76.5	69.5	64.4	64.4
55°	1331.2	1194.3	531.7	184.3	96.7	79.6	83.6	72.5	64.4	61.4	61.4
57.5°	1410.8	1266.8	553.8	181.3	92.6	74.5	74.5	70.5	61.4	57.4	56.4
60°	1466.1	1326.2	566.9	179.2	88.6	69.5	66.5	70.5	58.4	54.4	53.4
62.5°	1472.2	1291.9	553.8	178.2	87.6	64.4	60.4	67.5	55.4	51.4	49.3
65°	1433.9	1222.5	517.6	174.2	86.6	59.4	56.4	58.4	51.4	48.3	46.3
67.5°	1357.4	1109.7	465.2	172.2	85.6	55.4	51.4	50.3	47.3	44.3	42.3
70°	1179.2	962.7	403.8	163.1	83.6	52.4	46.3	45.3	42.3	40.3	39.3
72.5°	989.9	787.5	333.3	151.0	79.6	47.3	42.3	40.3	39.3	36.3	35.2
75°	758.2	606.2	266.8	133.9	69.5	42.3	37.3	35.2	34.2	32.2	31.2
77.5°	532.7	451.1	197.4	108.8	58.4	38.3	33.2	31.2	30.2	27.2	27.2
80°	361.5	316.2	133.9	75.5	45.3	31.2	29.2	27.2	25.2	23.2	23.2
82.5°	224.6	221.5	96.7	49.3	33.2	25.2	23.2	23.2	20.1	18.1	18.1
85°	102.7	135.9	67.5	34.2	25.2	19.1	19.1	18.1	16.1	13.1	13.1
87.5°	32.2	45.3	35.2	15.1	14.1	11.1	11.1	10.1	10.1	8.1	8.1
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°	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0
2.5°	635.4	634.4	634.4	630.4	640.4	640.4	646.5	641.4	644.5	645.5	653.5
5°	504.5	512.5	518.6	530.7	537.7	540.7	540.7	548.8	545.8	551.8	563.9
7.5°	369.6	379.6	397.8	412.9	424.9	429.0	428.0	430.0	433.0	425.9	428.0
10°	299.1	292.0	298.1	312.2	323.2	336.3	326.3	325.3	328.3	325.3	331.3
12.5°	249.7	241.7	236.6	236.6	244.7	250.7	247.7	252.7	263.8	266.8	273.9
15°	202.4	195.4	191.3	186.3	194.3	196.4	199.4	206.4	214.5	218.5	226.6
17.5°	162.1	162.1	162.1	158.1	161.1	164.1	165.1	174.2	175.2	179.2	182.3
20°	132.9	135.9	141.0	143.0	146.0	146.0	144.0	149.0	145.0	148.0	150.0
22.5°	119.8	123.9	125.9	126.9	130.9	131.9	126.9	127.9	128.9	125.9	126.9
25°	112.8	114.8	112.8	113.8	114.8	112.8	113.8	115.8	114.8	116.8	115.8
27.5°	109.8	107.7	106.7	105.7	105.7	103.7	104.7	104.7	106.7	107.7	107.7
30°	109.8	106.7	102.7	99.7	99.7	96.7	98.7	100.7	101.7	103.7	103.7
32.5°	112.8	106.7	99.7	96.7	93.6	91.6	93.6	96.7	100.7	101.7	102.7
35°	89.6	92.6	91.6	87.6	86.6	86.6	85.6	85.6	82.6	82.6	81.6
37.5°	80.6	79.6	81.6	82.6	83.6	80.6	80.6	76.5	75.5	76.5	76.5
40°	75.5	75.5	75.5	78.5	79.6	77.5	74.5	72.5	72.5	72.5	73.5
42.5°	73.5	71.5	70.5	72.5	75.5	73.5	70.5	69.5	69.5	70.5	70.5
45°	70.5	69.5	68.5	67.5	71.5	68.5	67.5	66.5	66.5	66.5	67.5
47.5°	67.5	66.5	64.4	64.4	65.5	64.4	63.4	63.4	63.4	65.5	65.5
50°	65.5	64.4	62.4	62.4	62.4	62.4	61.4	61.4	61.4	62.4	63.4
52.5°	62.4	61.4	60.4	59.4	59.4	59.4	59.4	59.4	59.4	60.4	61.4
55°	59.4	58.4	57.4	57.4	58.4	58.4	57.4	58.4	57.4	58.4	59.4
57.5°	56.4	55.4	54.4	55.4	56.4	55.4	55.4	55.4	55.4	55.4	56.4
60°	52.4	52.4	52.4	52.4	54.4	54.4	54.4	54.4	52.4	53.4	54.4
62.5°	50.3	49.3	49.3	50.3	51.4	51.4	52.4	51.4	50.3	51.4	51.4
65°	46.3	46.3	46.3	47.3	47.3	48.3	48.3	48.3	47.3	48.3	48.3
67.5°	43.3	43.3	43.3	43.3	45.3	45.3	45.3	45.3	44.3	44.3	45.3
70°	38.3	39.3	38.3	40.3	42.3	41.3	42.3	42.3	41.3	40.3	42.3
72.5°	35.2	35.2	35.2	35.2	38.3	38.3	38.3	39.3	38.3	37.3	38.3
75°	31.2	31.2	31.2	32.2	34.2	34.2	34.2	34.2	34.2	33.2	33.2
77.5°	27.2	28.2	27.2	28.2	30.2	29.2	30.2	31.2	30.2	29.2	29.2
80°	23.2	23.2	23.2	24.2	25.2	25.2	25.2	26.2	25.2	24.2	24.2
82.5°	18.1	18.1	19.1	19.1	20.1	20.1	20.1	21.1	20.1	19.1	19.1
85°	14.1	14.1	14.1	15.1	15.1	16.1	16.1	17.1	17.1	16.1	16.1
87.5°	9.1	8.1	9.1	9.1	10.1	10.1	9.1	8.1	9.1	8.1	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°	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0
2.5°	661.6	679.7	692.8	701.9	714.9	740.1	750.2	768.3	773.4	776.4
5°	568.9	588.1	616.3	636.4	659.6	706.9	743.1	770.3	782.4	793.5
7.5°	446.1	471.3	500.5	526.6	564.9	623.3	670.6	727.0	748.2	759.3
10°	348.4	371.6	403.8	436.0	489.4	538.7	606.2	657.6	686.8	694.8
12.5°	294.0	321.2	359.5	398.8	432.0	488.4	556.9	631.4	658.6	663.6
15°	249.7	287.0	326.3	366.5	404.8	454.1	527.7	618.3	658.6	663.6
17.5°	206.4	239.7	286.0	329.3	373.6	441.1	532.7	629.4	669.6	684.7
20°	164.1	196.4	232.6	287.0	347.4	418.9	543.8	666.6	720.0	736.1
22.5°	135.9	150.0	185.3	237.6	309.1	403.8	554.8	725.0	781.4	787.5
25°	118.8	128.9	151.0	200.4	278.9	393.7	581.0	792.5	865.0	865.0
27.5°	110.8	114.8	129.9	174.2	257.8	384.7	607.2	867.0	934.5	948.6
30°	108.8	118.8	126.9	155.1	234.6	359.5	631.4	925.4	994.9	995.9
32.5°	106.7	104.7	110.8	134.9	206.4	333.3	651.5	984.8	1039.2	1042.2
35°	83.6	87.6	97.7	118.8	185.3	314.2	661.6	1017.0	1095.6	1098.6
37.5°	78.5	83.6	91.6	109.8	171.2	298.1	664.6	1079.5	1155.0	1161.0
40°	76.5	80.6	86.6	101.7	160.1	277.9	670.6	1143.9	1242.6	1234.5
42.5°	72.5	77.5	83.6	97.7	151.0	262.8	671.6	1179.2	1288.9	1288.9
45°	71.5	74.5	81.6	97.7	141.0	249.7	655.5	1214.4	1342.3	1326.2
47.5°	67.5	73.5	79.6	94.7	128.9	236.6	636.4	1232.5	1349.3	1344.3
50°	66.5	72.5	82.6	89.6	121.8	230.6	632.4	1277.8	1363.4	1362.4
52.5°	64.4	70.5	85.6	85.6	112.8	222.5	651.5	1298.0	1366.5	1374.5
55°	61.4	70.5	79.6	78.5	104.7	212.5	672.7	1350.3	1419.8	1417.8
57.5°	59.4	68.5	75.5	71.5	95.7	205.4	703.9	1400.7	1484.3	1470.2
60°	56.4	68.5	67.5	66.5	88.6	199.4	730.1	1410.8	1498.4	1507.4
62.5°	54.4	71.5	59.4	61.4	82.6	196.4	719.0	1335.2	1479.2	1487.3
65°	52.4	61.4	54.4	56.4	80.6	190.3	675.7	1244.6	1396.7	1431.9
67.5°	48.3	50.3	50.3	52.4	78.5	176.2	587.1	1081.5	1270.8	1289.9
70°	44.3	45.3	45.3	48.3	76.5	160.1	484.4	935.5	1102.6	1138.9
72.5°	40.3	40.3	40.3	44.3	70.5	147.0	398.8	719.0	916.3	941.5
75°	35.2	35.2	35.2	39.3	63.4	133.9	314.2	534.7	674.7	710.9
77.5°	31.2	31.2	30.2	35.2	55.4	108.8	226.6	377.6	475.3	505.5
80°	26.2	25.2	25.2	28.2	43.3	78.5	146.0	266.8	331.3	344.4
82.5°	21.1	20.1	19.1	21.1	31.2	49.3	90.6	186.3	212.5	204.4
85°	20.1	21.1	17.1	16.1	22.2	32.2	57.4	114.8	95.7	95.7
87.5°	8.1	7.0	7.0	6.0	11.1	12.1	25.2	21.1	16.1	16.1
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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