

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: P674104

Luminaire Tested: **CCP-SA-1A-730-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674104
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-730-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SLL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

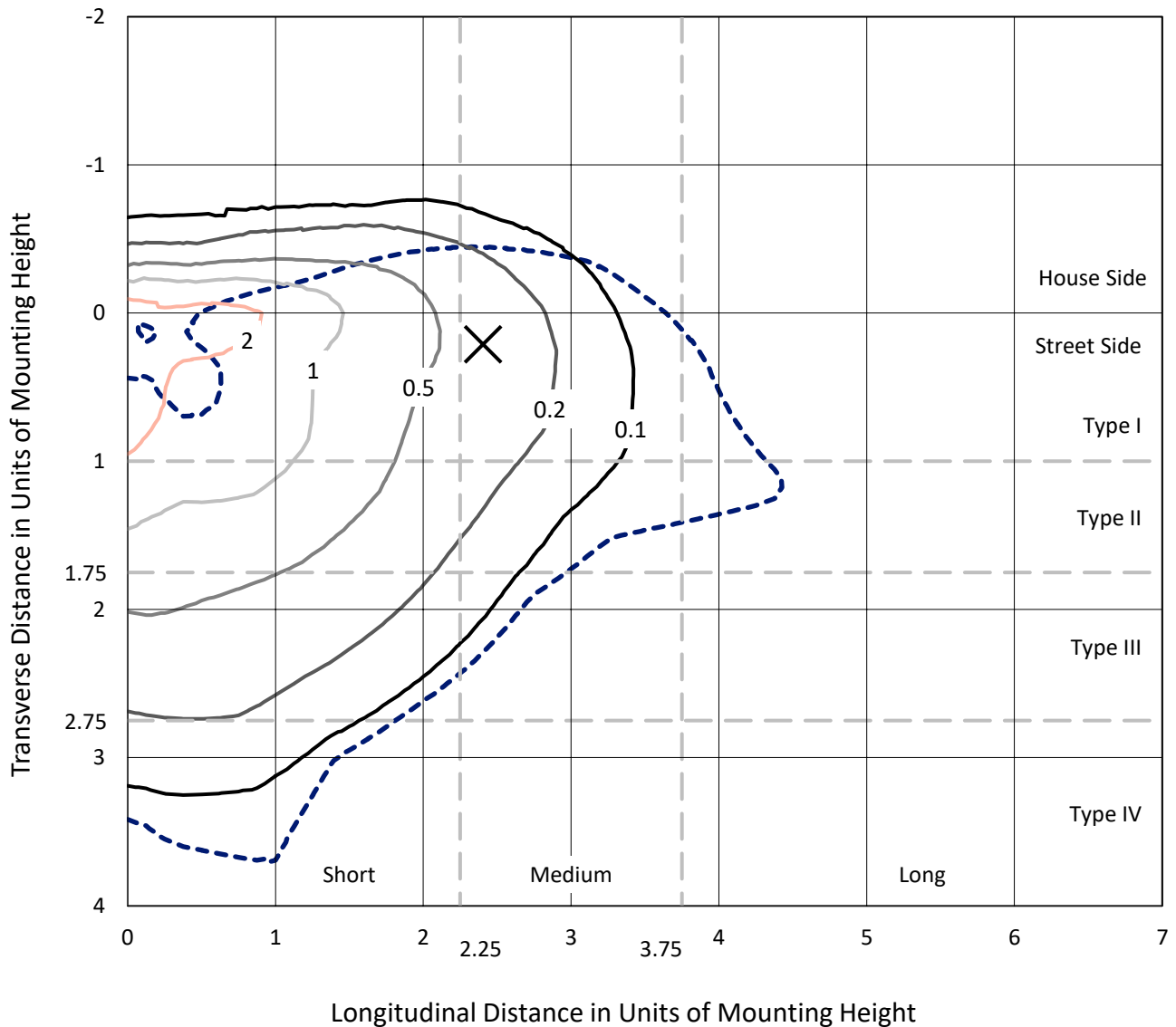
Lumens per Lamp: N/A
Luminaire Lumens: 1807.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

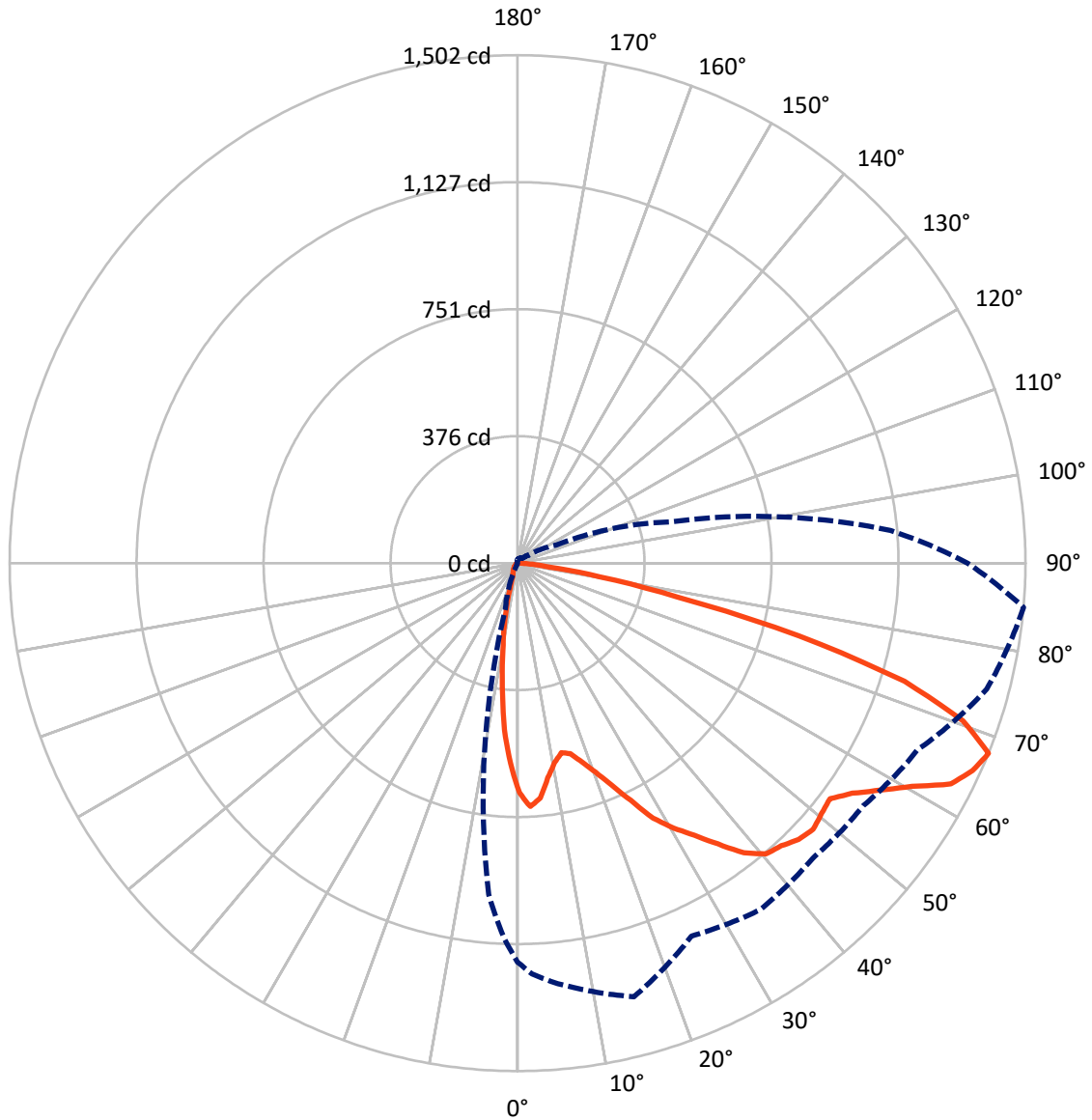
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	313.8	0.0	313.8
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	1493.6	0.0	1493.6
	% Fixture	82.6	0.0	82.6
Total	Lumens	1807.5	0.0	1807.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	2.9
10°-20°	101.2	5.6
20°-30°	140.1	7.8
30°-40°	198.0	11.0
40°-50°	269.6	14.9
50°-60°	357.0	19.8
60°-70°	414.6	22.9
70°-80°	234.8	13.0
80°-90°	40.6	2.2
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°	1807.5	100.0
0°-180°	1807.5	100.0

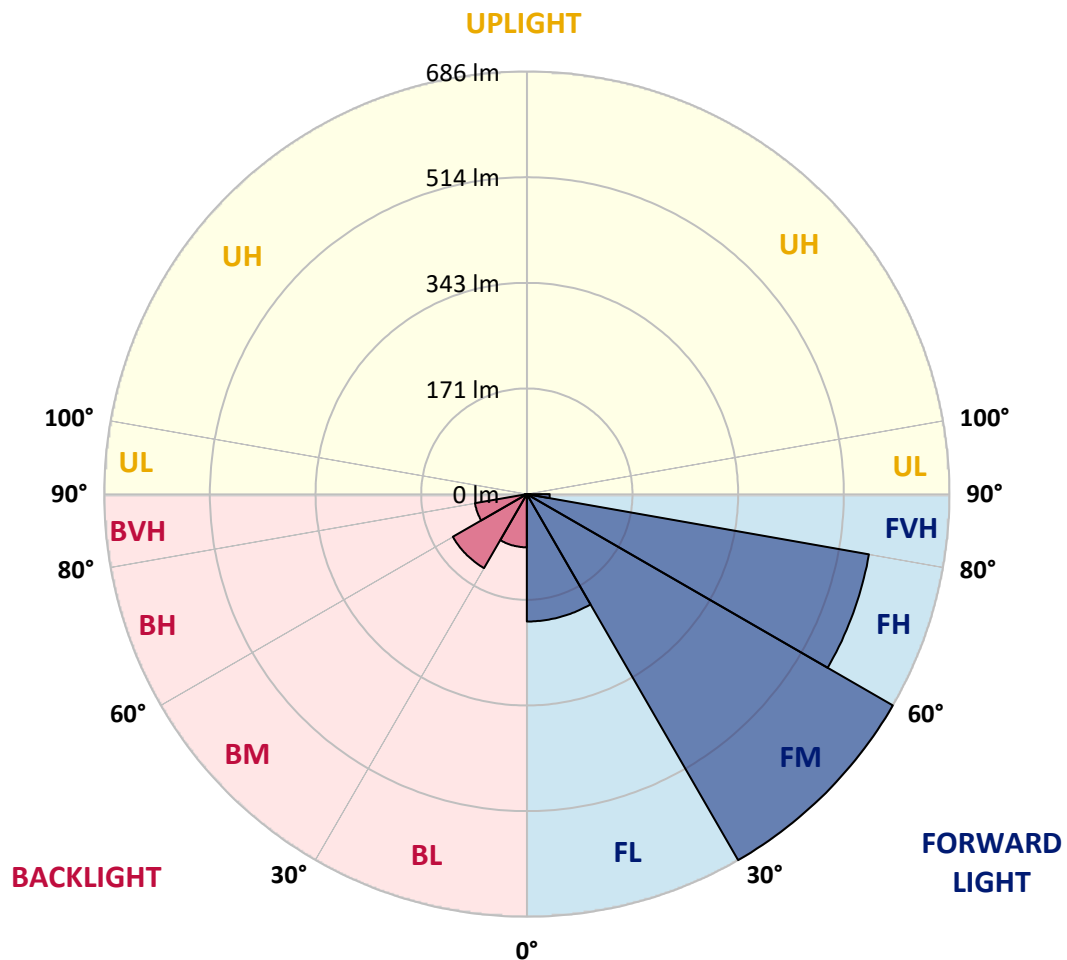


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.7	11.4			
FM (30°-60°)	686.0	38.0			
FH (60°-80°)	563.9	31.2			G0/660
FVH (80°-90°)	37.1	2.1			G1/100
BL (0°-30°)	86.3	4.8	B0/110		
BM (30°-60°)	138.7	7.7	B0/220		
BH (60°-80°)	85.5	4.7	B0/110		G0/110
BVH (80°-90°)	3.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	706.2	721.1	721.6	728.4	735.1	735.1	751.0	747.2	733.2	730.8	720.6
5°	711.5	716.8	720.6	754.9	783.9	781.0	789.7	783.9	756.8	722.1	698.4
7.5°	665.6	671.4	686.8	745.2	784.3	797.4	813.8	777.6	749.1	686.4	641.0
10°	604.8	615.9	644.4	711.0	759.2	800.8	800.8	771.8	716.8	655.5	600.0
12.5°	571.0	593.2	608.7	676.2	739.0	767.4	766.5	751.0	715.3	638.1	575.3
15°	576.8	583.1	615.9	668.5	710.0	708.6	725.9	721.1	696.0	653.5	584.5
17.5°	603.3	613.0	641.5	668.5	688.3	682.5	682.0	705.2	706.6	679.6	618.8
20°	646.8	675.3	688.8	697.0	672.8	648.2	645.3	677.7	702.8	712.9	659.8
22.5°	716.3	735.1	762.6	720.6	657.9	627.0	621.2	656.9	707.6	752.5	712.9
25°	784.3	798.8	825.4	771.3	674.8	622.6	612.5	643.4	725.9	807.5	777.1
27.5°	856.3	868.8	871.7	808.5	683.9	614.0	601.9	643.4	741.4	836.5	853.8
30°	900.2	915.1	918.0	841.3	698.9	621.2	615.4	646.3	752.0	861.1	908.9
32.5°	949.4	953.3	950.9	847.1	715.3	642.4	618.3	665.6	764.1	890.5	959.1
35°	1008.3	1015.1	990.4	873.6	752.0	656.0	647.3	689.3	784.8	904.0	1019.9
37.5°	1053.2	1074.4	1018.9	883.8	759.2	684.4	685.9	738.5	799.3	920.5	1087.0
40°	1137.7	1101.9	1067.2	918.5	786.8	732.7	725.0	789.2	848.1	931.1	1130.9
42.5°	1184.0	1165.2	1086.0	921.9	829.2	799.3	801.2	846.6	873.6	961.0	1143.0
45°	1195.6	1175.8	1111.6	924.3	871.2	878.0	911.3	920.0	911.3	980.8	1165.7
47.5°	1225.0	1182.1	1108.7	956.7	939.3	965.3	1007.8	1026.6	962.4	973.6	1176.3
50°	1219.2	1194.6	1102.4	970.2	1022.3	1091.3	1119.8	1112.1	1019.4	958.6	1164.7
52.5°	1195.1	1168.6	1121.7	1006.9	1100.0	1183.5	1223.1	1203.8	1070.1	992.4	1157.0
55°	1230.3	1210.1	1146.8	1056.6	1158.4	1264.6	1292.6	1278.1	1132.3	1023.7	1200.9
57.5°	1268.5	1264.1	1214.9	1115.0	1227.4	1348.1	1348.1	1330.2	1186.4	1069.1	1266.1
60°	1323.5	1333.1	1265.1	1153.6	1251.1	1343.3	1413.3	1392.5	1241.0	1148.8	1339.9
62.5°	1305.6	1336.5	1329.8	1236.6	1278.1	1366.9	1405.1	1420.5	1308.5	1245.8	1438.4
65°	1248.2	1281.0	1329.3	1291.1	1257.8	1309.5	1328.8	1375.6	1342.3	1337.0	1478.9
67.5°	1179.7	1215.4	1245.3	1327.8	1216.8	1251.1	1234.2	1249.2	1305.6	1436.9	1502.1
70°	1030.0	1064.3	1111.6	1246.3	1108.2	1077.3	1073.0	1065.7	1153.6	1401.2	1396.9
72.5°	847.1	863.0	941.2	1013.1	820.1	814.3	821.0	812.8	914.7	1268.5	1196.5
75°	634.2	650.2	694.6	778.1	558.5	525.1	563.8	601.9	698.4	984.7	859.6
77.5°	476.9	497.2	525.1	582.1	409.8	357.7	363.0	399.2	504.9	788.7	481.7
80°	309.4	307.0	361.0	400.6	308.4	318.1	304.6	331.1	365.9	421.9	246.2
82.5°	178.6	181.0	203.7	229.8	214.8	245.7	177.1	295.9	261.1	171.8	91.7
85°	100.4	104.7	125.5	159.3	134.7	90.3	73.8	146.7	164.1	70.5	44.4
87.5°	10.1	8.7	16.9	60.3	36.7	15.0	22.2	35.2	39.6	26.5	13.0
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°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	706.2	706.2	694.1	673.8	665.6	651.1	631.3	637.6	630.9	606.2	600.0
5°	677.2	654.0	628.9	598.0	580.2	543.5	531.9	511.2	514.5	493.8	494.7
7.5°	616.9	598.5	556.0	515.5	480.3	448.4	403.5	386.6	370.2	362.0	371.7
10°	581.6	547.4	489.4	436.3	389.5	361.0	331.1	307.9	286.7	270.8	267.4
12.5°	556.0	525.6	455.6	391.0	354.3	331.1	303.6	271.7	251.0	223.5	215.3
15°	548.3	511.2	437.3	373.1	337.4	299.3	267.9	236.5	209.5	180.5	170.4
17.5°	574.9	531.9	436.8	358.6	308.4	267.4	224.0	188.7	161.2	134.7	128.4
20°	619.8	554.1	450.8	349.9	280.9	225.9	176.7	141.4	110.5	93.2	88.8
22.5°	670.9	591.8	452.3	326.8	253.4	184.4	128.9	93.2	75.8	67.6	65.2
25°	733.7	652.1	469.6	307.9	221.1	140.0	91.7	71.4	61.3	56.5	55.5
27.5°	785.3	694.1	488.5	288.2	189.2	103.8	71.9	58.4	53.1	48.3	47.8
30°	838.9	742.4	493.8	276.1	161.7	85.4	61.8	51.6	45.9	43.4	43.0
32.5°	885.7	795.0	510.7	256.3	135.6	75.3	56.0	46.3	42.5	38.6	38.1
35°	946.0	825.4	518.9	245.7	126.0	68.1	51.2	42.5	36.7	34.3	33.3
37.5°	1010.7	854.8	524.2	237.5	117.8	63.7	48.3	40.1	34.8	31.4	30.4
40°	1071.1	896.3	516.5	227.3	111.5	58.4	46.3	37.2	32.3	29.0	27.5
42.5°	1117.4	936.9	514.0	217.7	104.7	56.5	43.9	35.7	30.4	26.5	26.1
45°	1143.5	964.4	497.2	210.0	99.4	57.4	43.0	33.8	29.0	25.6	23.7
47.5°	1137.2	985.6	501.5	207.5	92.2	53.6	42.5	32.3	26.5	23.7	22.2
50°	1171.9	1028.6	494.3	199.8	86.9	48.3	46.3	32.3	26.1	22.7	21.2
52.5°	1177.7	1067.7	509.7	185.8	78.7	44.4	45.9	31.9	25.1	21.7	19.8
55°	1226.0	1113.0	539.6	178.1	71.9	38.6	42.0	30.9	22.7	19.8	18.8
57.5°	1291.6	1207.2	558.9	170.9	62.7	33.8	35.2	30.4	20.8	18.3	16.9
60°	1354.9	1244.8	560.4	157.8	54.1	30.4	27.5	30.4	19.3	16.4	15.0
62.5°	1402.2	1244.8	550.7	146.7	47.3	27.0	24.1	29.0	17.4	14.5	13.5
65°	1376.6	1211.5	525.6	137.6	43.0	23.7	20.8	22.2	15.4	12.5	11.6
67.5°	1330.7	1107.7	470.1	126.5	42.5	20.8	17.9	16.4	13.5	11.1	10.1
70°	1257.4	967.8	391.4	113.9	41.5	18.8	15.9	14.0	12.1	9.7	8.7
72.5°	1013.1	799.3	321.5	106.7	40.5	16.4	13.5	12.1	10.1	8.2	7.2
75°	701.8	510.7	247.6	91.2	39.6	15.0	12.5	10.6	8.7	6.8	6.3
77.5°	420.9	341.2	159.8	68.5	26.1	12.1	10.6	8.2	7.2	5.8	5.3
80°	196.9	161.2	64.7	26.5	12.5	8.7	7.2	6.3	5.8	4.8	4.3
82.5°	77.2	68.1	31.4	15.4	10.1	6.8	5.8	5.3	4.8	3.9	3.4
85°	41.5	36.7	15.0	10.6	7.2	4.8	4.8	4.3	3.9	3.4	2.9
87.5°	9.2	6.8	6.3	6.3	5.3	3.9	3.9	3.4	2.9	2.4	1.9
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°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	596.6	603.8	592.2	599.5	589.3	597.1	598.0	590.8	592.7	602.4	606.7
5°	508.3	503.4	492.8	489.4	489.9	483.6	486.1	489.4	494.7	497.6	506.3
7.5°	366.3	377.4	377.0	385.2	385.7	384.7	377.9	363.5	368.3	364.4	369.2
10°	262.1	266.9	276.1	281.4	291.1	285.7	270.3	264.5	261.6	261.1	266.0
12.5°	209.5	197.9	196.9	198.9	203.7	197.4	189.7	182.9	186.3	193.1	198.4
15°	162.2	152.5	140.0	138.0	139.0	136.1	127.9	119.2	121.6	128.4	132.3
17.5°	124.5	113.4	104.7	98.9	97.0	86.9	74.8	67.6	65.6	65.2	68.5
20°	84.0	82.1	80.6	73.4	73.4	58.9	48.7	43.4	43.4	44.4	44.9
22.5°	62.7	60.3	60.8	59.4	55.5	43.9	38.6	37.2	37.2	38.1	38.1
25°	54.5	51.2	50.2	49.7	45.9	37.6	33.8	32.3	32.3	33.3	33.3
27.5°	46.3	45.4	43.9	42.0	38.6	32.3	29.9	28.5	29.0	29.4	29.0
30°	42.5	40.1	38.1	38.1	34.3	29.0	27.0	26.1	25.1	26.1	26.5
32.5°	37.6	36.2	35.2	33.8	29.4	25.6	23.7	22.7	22.2	22.2	22.7
35°	32.3	32.3	31.4	29.4	25.6	23.2	20.8	19.8	19.3	19.8	19.8
37.5°	29.0	27.5	28.0	26.1	22.7	20.3	17.9	16.9	16.9	16.4	16.9
40°	27.0	24.6	23.2	22.2	20.3	17.4	15.4	14.5	14.0	14.0	14.0
42.5°	24.1	22.2	19.3	18.8	18.3	15.0	12.5	12.1	11.6	11.1	11.1
45°	22.7	19.8	17.4	15.0	15.0	12.5	10.6	9.7	9.2	8.7	9.2
47.5°	20.8	17.9	15.0	12.5	12.1	10.1	8.2	7.2	6.8	6.8	6.8
50°	19.8	15.9	13.0	10.6	9.2	8.2	6.3	5.3	4.8	4.8	4.8
52.5°	18.3	15.0	11.6	9.2	7.2	6.3	4.8	3.9	3.4	3.4	3.4
55°	16.4	13.5	10.1	7.7	6.3	4.8	3.4	2.4	1.9	1.9	1.9
57.5°	15.4	12.1	8.7	6.8	4.8	3.4	1.9	1.4	1.4	1.0	1.4
60°	14.0	10.6	7.2	5.3	3.9	2.4	1.4	0.5	0.5	0.5	0.5
62.5°	12.1	9.2	6.3	4.3	2.9	1.4	0.5	0.0	0.0	0.0	0.0
65°	10.1	7.2	4.8	3.4	1.9	0.5	0.0	0.0	0.0	0.0	0.0
67.5°	8.7	6.3	3.9	2.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	7.7	5.3	2.9	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6.3	4.3	2.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	5.3	3.4	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.3	2.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.4	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	358°	360°
0°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	613.0	610.1	624.6	648.2	660.3	683.9	689.7	704.7	700.8	706.2
5°	507.3	513.1	534.3	569.1	581.6	615.9	648.2	680.6	701.3	711.5
7.5°	376.5	395.8	421.9	453.7	486.1	530.9	586.0	623.6	643.9	665.6
10°	280.4	301.2	331.1	362.5	415.1	465.3	520.3	567.1	584.5	604.8
12.5°	220.6	252.9	287.7	321.5	352.8	400.6	468.7	536.7	555.6	571.0
15°	153.5	193.1	242.8	286.7	330.6	372.1	442.6	525.1	550.7	576.8
17.5°	85.0	116.3	173.3	235.1	299.7	363.5	451.3	546.4	585.0	603.3
20°	49.2	61.8	102.3	175.7	261.1	344.6	455.6	586.4	637.6	646.8
22.5°	40.5	44.9	57.9	110.0	213.8	332.6	477.8	642.4	694.6	716.3
25°	34.8	38.1	44.9	66.1	161.7	307.0	491.8	712.4	760.7	784.3
27.5°	30.9	34.3	39.6	48.7	110.0	271.7	515.0	775.7	823.9	856.3
30°	27.0	29.9	35.2	41.5	76.3	232.2	534.8	822.0	890.0	900.2
32.5°	24.1	26.5	30.4	35.7	56.5	176.2	550.7	869.8	927.2	949.4
35°	20.8	23.7	26.1	30.4	43.0	132.7	541.1	906.9	981.8	1008.3
37.5°	18.3	20.3	22.7	25.6	36.2	103.8	521.3	951.3	1028.6	1053.2
40°	15.4	16.9	19.8	22.7	32.8	80.1	498.6	1004.9	1094.2	1137.7
42.5°	13.0	14.5	16.4	21.2	27.0	59.4	452.7	1046.4	1147.3	1184.0
45°	10.1	12.1	15.0	21.2	21.7	43.9	405.4	1077.3	1177.2	1195.6
47.5°	7.7	9.7	14.5	18.3	17.4	30.4	349.5	1112.6	1208.1	1225.0
50°	5.8	7.7	16.4	15.9	14.5	23.2	314.2	1137.2	1210.1	1219.2
52.5°	3.9	5.8	13.5	12.1	12.1	20.3	304.6	1136.2	1214.9	1195.1
55°	2.9	4.3	7.7	8.7	10.6	17.9	295.9	1172.4	1216.3	1230.3
57.5°	1.9	3.4	5.3	6.8	9.2	15.4	278.0	1215.9	1261.2	1268.5
60°	1.0	2.4	3.9	5.3	7.7	13.5	252.9	1247.7	1315.8	1323.5
62.5°	0.5	1.4	2.9	4.3	6.3	10.6	226.9	1197.0	1292.1	1305.6
65°	0.0	1.0	1.9	2.9	3.9	7.7	184.4	1080.7	1198.5	1248.2
67.5°	0.0	0.0	1.0	1.9	2.4	5.8	139.0	983.2	1112.1	1179.7
70°	0.0	0.0	0.5	0.5	1.4	4.3	88.8	814.3	992.9	1030.0
72.5°	0.0	0.0	0.0	0.0	0.5	2.9	51.6	604.8	778.1	847.1
75°	0.0	0.0	0.0	0.0	0.0	2.4	26.1	389.0	541.6	634.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.9	14.0	251.0	399.2	476.9
80°	0.0	0.0	0.0	0.0	0.0	0.5	8.2	145.8	255.3	309.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	71.4	152.5	178.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	38.1	76.3	100.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.3	10.1
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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