

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: P671662

Luminaire Tested: **CCP-SA-2A-730-U-SLL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671662
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-730-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SLL
distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4134.1 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

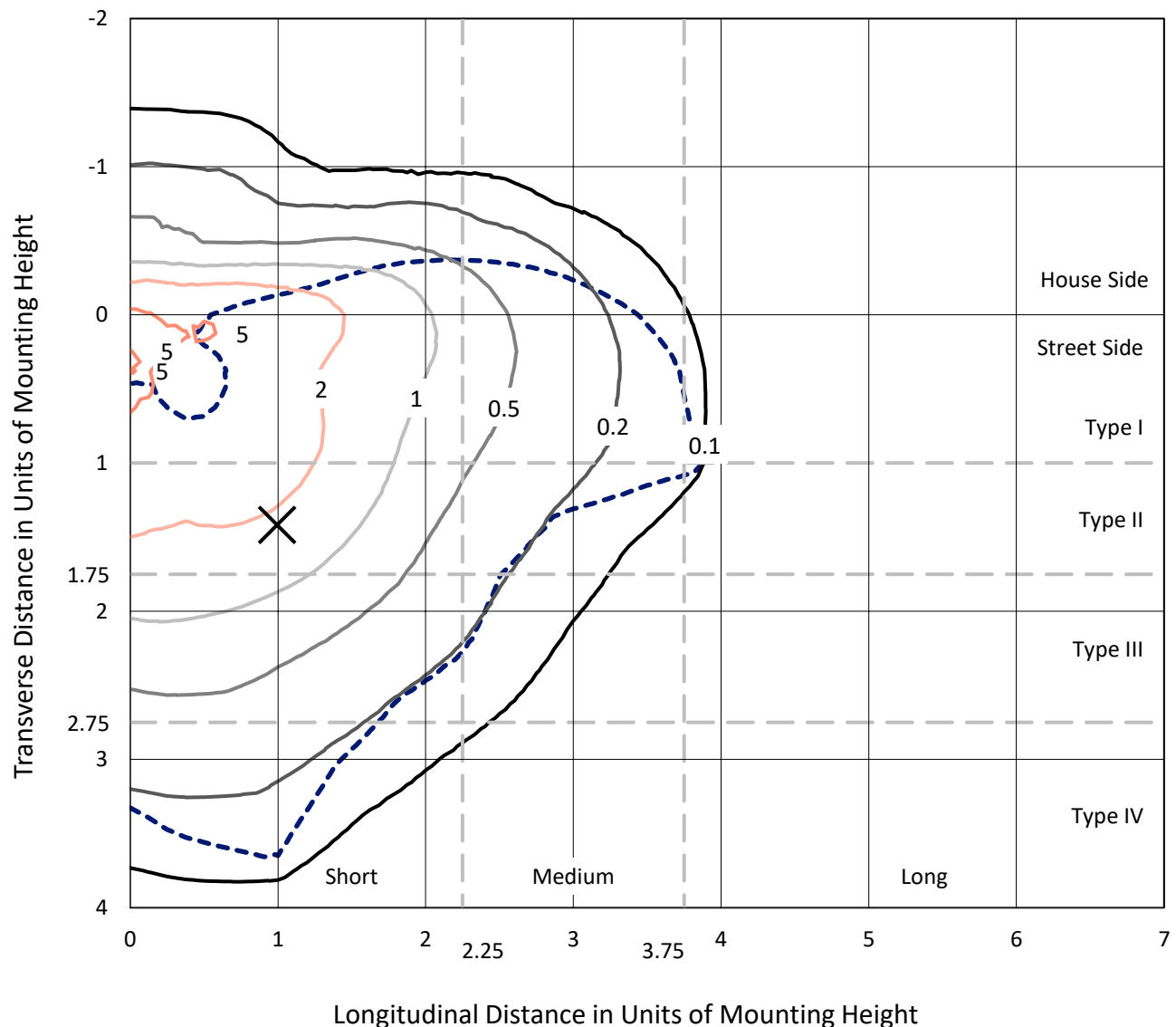
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

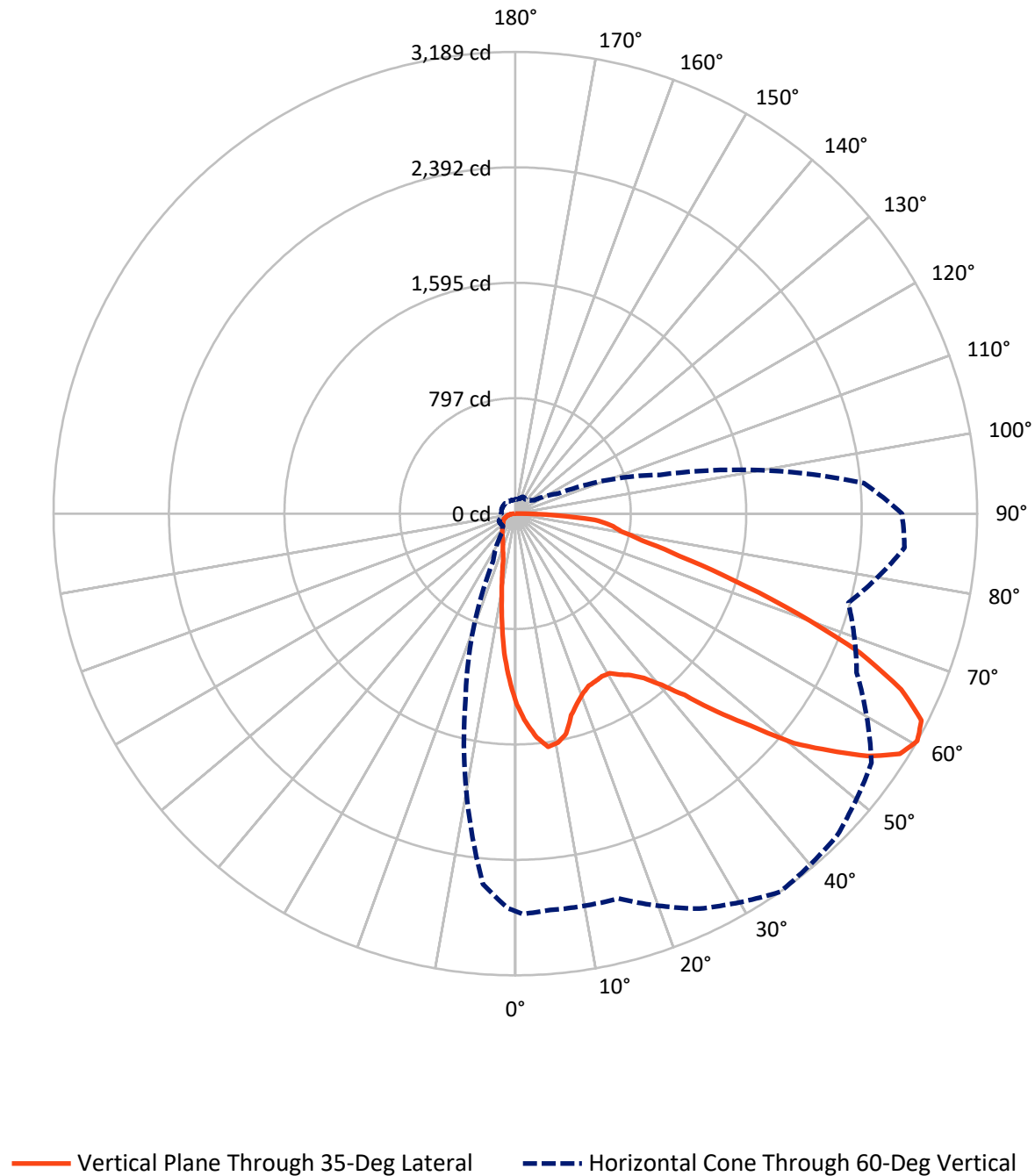
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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	786.8	0.0	786.8
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3347.3	0.0	3347.3
	% Fixture	81.0	0.0	81.0
Total	Lumens	4134.1	0.0	4134.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	2.5
10°-20°	216.6	5.2
20°-30°	316.9	7.7
30°-40°	446.5	10.8
40°-50°	613.6	14.8
50°-60°	836.2	20.2
60°-70°	915.2	22.1
70°-80°	528.4	12.8
80°-90°	158.2	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°	4134.1	100.0
0°-180°	4134.1	100.0

Coefficient of Utilization



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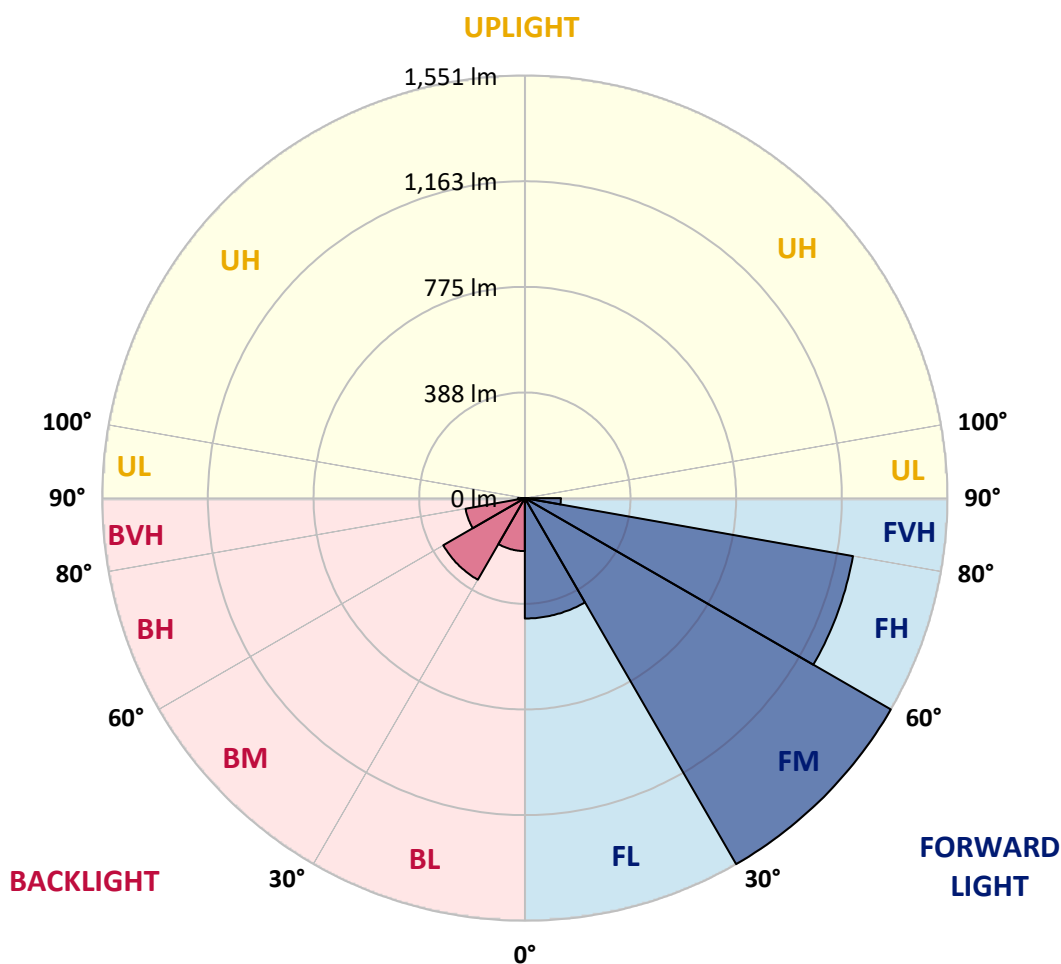
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.6	10.7			
FM	(30°-60°)	1550.6	37.5			
FH	(60°-80°)	1222.6	29.6			G1/1800
FVH	(80°-90°)	132.4	3.2			G2/225
BL	(0°-30°)	194.4	4.7	B1/500		
BM	(30°-60°)	345.6	8.4	B1/1000		
BH	(60°-80°)	221.0	5.3	B1/500		G1/500
BVH	(80°-90°)	25.8	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4
2.5°	1413.9	1408.4	1413.9	1434.1	1439.6	1448.8	1448.8	1435.9	1412.1	1401.1	1382.8
5°	1445.1	1435.9	1481.8	1524.0	1557.0	1553.3	1522.1	1496.5	1448.8	1377.3	1309.4
7.5°	1382.8	1391.9	1424.9	1535.0	1612.0	1626.7	1577.1	1525.8	1423.1	1324.1	1232.4
10°	1265.4	1278.2	1349.7	1463.4	1584.5	1608.3	1577.1	1514.8	1391.9	1269.1	1162.7
12.5°	1208.5	1237.9	1280.1	1417.6	1503.8	1560.6	1546.0	1505.6	1368.1	1223.2	1120.5
15°	1208.5	1215.9	1278.2	1393.8	1443.3	1445.1	1450.6	1457.9	1375.4	1243.4	1105.8
17.5°	1247.0	1267.2	1320.4	1391.9	1401.1	1379.1	1379.1	1410.3	1390.1	1300.2	1159.0
20°	1340.6	1333.2	1402.9	1432.3	1382.8	1327.7	1322.2	1375.4	1406.6	1360.7	1256.2
22.5°	1434.1	1467.1	1524.0	1457.9	1366.3	1292.9	1285.6	1351.6	1456.1	1465.3	1368.1
25°	1575.3	1608.3	1637.7	1557.0	1364.4	1283.7	1289.2	1340.6	1516.6	1613.8	1555.1
27.5°	1727.5	1747.7	1789.9	1665.2	1408.4	1272.7	1278.2	1355.2	1573.5	1711.0	1701.9
30°	1813.7	1835.7	1826.6	1685.3	1437.8	1280.1	1265.4	1375.4	1542.3	1711.0	1797.2
32.5°	1898.1	1885.2	1879.7	1718.4	1474.4	1325.9	1289.2	1417.6	1560.6	1738.5	1920.1
35°	2000.8	1982.4	1967.8	1782.5	1535.0	1369.9	1353.4	1472.6	1601.0	1795.4	2019.1
37.5°	2114.5	2114.5	2043.0	1830.2	1606.5	1441.4	1423.1	1551.5	1665.2	1830.2	2154.8
40°	2248.4	2253.9	2127.3	1894.4	1687.2	1555.1	1549.6	1654.2	1727.5	1881.6	2285.0
42.5°	2347.4	2351.1	2200.7	1918.3	1780.7	1712.9	1736.7	1819.2	1799.0	1927.4	2294.2
45°	2415.2	2396.9	2252.0	1986.1	1883.4	1949.4	1956.8	1980.6	1892.6	1954.9	2330.9
47.5°	2448.2	2444.6	2274.0	2065.0	2099.8	2189.7	2231.8	2198.8	1978.8	1925.6	2330.9
50°	2481.3	2450.1	2294.2	2173.2	2310.7	2492.3	2483.1	2422.6	2098.0	1962.3	2296.0
52.5°	2503.3	2475.8	2334.5	2270.4	2512.4	2717.8	2754.5	2642.6	2237.3	2030.1	2312.5
55°	2582.1	2560.1	2455.6	2402.4	2745.3	2956.2	2961.7	2805.9	2384.1	2142.0	2420.7
57.5°	2677.5	2690.3	2622.5	2589.5	2923.2	3130.5	3110.3	2926.9	2508.8	2277.7	2545.4
60°	2745.3	2765.5	2749.0	2752.7	3011.3	3189.1	3143.3	3002.1	2600.5	2380.4	2697.7
62.5°	2708.7	2749.0	2816.9	2802.2	3014.9	3147.0	3082.8	2903.1	2611.5	2514.3	2813.2
65°	2607.8	2611.5	2743.5	2824.2	2849.9	2928.7	2844.4	2695.8	2497.8	2596.8	2796.7
67.5°	2349.2	2378.6	2497.8	2655.5	2547.3	2565.6	2558.3	2343.7	2325.4	2539.9	2670.1
70°	2074.1	2094.3	2224.5	2409.7	2151.2	2065.0	2081.5	1921.9	1997.1	2363.9	2415.2
72.5°	1714.7	1727.5	1876.1	2039.3	1725.7	1571.6	1610.2	1480.0	1586.3	2068.6	2037.5
75°	1294.7	1318.6	1434.1	1626.7	1270.9	1171.9	1210.4	1157.2	1256.2	1703.7	1580.8
77.5°	920.6	902.3	1045.3	1272.7	955.5	896.8	900.4	909.6	1016.0	1435.9	1135.2
80°	627.2	632.7	761.1	933.5	750.1	740.9	731.7	805.1	852.8	1137.0	825.3
82.5°	372.3	372.3	513.5	663.9	592.3	667.5	625.4	691.4	667.5	836.3	541.0
85°	174.2	174.2	264.1	478.6	458.5	550.2	467.6	522.7	493.3	583.2	243.9
87.5°	29.3	25.7	53.2	234.7	188.9	214.6	84.4	278.8	309.9	407.1	60.5
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°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4
2.5°	1362.6	1349.7	1324.1	1291.1	1263.6	1228.7	1217.7	1193.9	1160.9	1157.2	1142.5
5°	1283.7	1239.7	1184.7	1116.8	1071.0	1023.3	983.0	959.1	931.6	927.9	920.6
7.5°	1197.5	1142.5	1050.8	970.1	891.3	816.1	779.4	733.6	702.4	678.5	667.5
10°	1116.8	1065.5	951.8	841.8	772.1	722.6	678.5	630.9	592.3	563.0	552.0
12.5°	1063.7	1003.1	880.3	775.7	724.4	667.5	618.0	566.7	517.2	478.6	458.5
15°	1039.8	983.0	858.3	742.7	667.5	588.7	531.8	480.5	420.0	392.5	383.3
17.5°	1096.7	1012.3	850.9	704.2	597.8	508.0	438.3	383.3	339.3	311.8	300.8
20°	1170.0	1065.5	863.8	658.4	531.8	431.0	353.9	295.3	265.9	245.7	243.9
22.5°	1263.6	1144.3	883.9	625.4	458.5	346.6	276.9	242.1	221.9	220.1	216.4
25°	1430.4	1287.4	916.9	581.3	399.8	286.1	236.6	216.4	207.2	201.7	205.4
27.5°	1573.5	1380.9	940.8	553.8	375.9	269.6	229.2	207.2	198.1	196.2	198.1
30°	1657.8	1467.1	933.5	502.5	328.3	256.7	243.9	236.6	218.2	203.6	203.6
32.5°	1734.9	1522.1	931.6	456.6	280.6	214.6	203.6	198.1	209.1	216.4	210.9
35°	1841.2	1608.3	926.1	431.0	260.4	198.1	179.7	165.1	157.7	154.0	159.5
37.5°	1954.9	1667.0	911.4	427.3	249.4	188.9	174.2	159.5	152.2	148.5	146.7
40°	2079.6	1729.4	894.9	409.0	243.9	183.4	168.7	155.9	146.7	141.2	139.4
42.5°	2160.3	1778.9	878.4	399.8	232.9	179.7	163.2	152.2	143.0	135.7	135.7
45°	2206.2	1837.6	861.9	390.6	220.1	181.6	163.2	148.5	137.5	133.9	130.2
47.5°	2226.3	1881.6	856.4	375.9	209.1	174.2	159.5	144.9	133.9	126.5	124.7
50°	2279.5	1975.1	876.6	364.9	196.2	166.9	168.7	143.0	132.0	122.9	121.0
52.5°	2310.7	2050.3	920.6	348.4	187.1	157.7	165.1	139.4	126.5	117.4	117.4
55°	2424.4	2175.0	968.3	335.6	176.1	144.9	152.2	132.0	117.4	111.9	111.9
57.5°	2569.3	2307.0	1008.6	330.1	168.7	135.7	135.7	128.4	111.9	104.5	102.7
60°	2670.1	2415.2	1032.5	326.4	161.4	126.5	121.0	128.4	106.4	99.0	97.2
62.5°	2681.2	2352.9	1008.6	324.6	159.5	117.4	110.0	122.9	100.9	93.5	89.9
65°	2611.5	2226.3	942.6	317.3	157.7	108.2	102.7	106.4	93.5	88.0	84.4
67.5°	2472.1	2020.9	847.3	313.6	155.9	100.9	93.5	91.7	86.2	80.7	77.0
70°	2147.5	1753.2	735.4	297.1	152.2	95.4	84.4	82.5	77.0	73.4	71.5
72.5°	1802.7	1434.1	607.0	275.1	144.9	86.2	77.0	73.4	71.5	66.0	64.2
75°	1380.9	1104.0	486.0	243.9	126.5	77.0	67.9	64.2	62.4	58.7	56.9
77.5°	970.1	821.6	359.4	198.1	106.4	69.7	60.5	56.9	55.0	49.5	49.5
80°	658.4	575.8	243.9	137.5	82.5	56.9	53.2	49.5	45.8	42.2	42.2
82.5°	409.0	403.5	176.1	89.9	60.5	45.8	42.2	42.2	36.7	33.0	33.0
85°	187.1	247.6	122.9	62.4	45.8	34.8	34.8	33.0	29.3	23.8	23.8
87.5°	58.7	82.5	64.2	27.5	25.7	20.2	20.2	18.3	18.3	14.7	14.7
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°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4
2.5°	1157.2	1155.4	1155.4	1148.0	1166.4	1166.4	1177.4	1168.2	1173.7	1175.5	1190.2
5°	918.8	933.5	944.5	966.5	979.3	984.8	984.8	999.5	994.0	1005.0	1027.0
7.5°	673.0	691.4	724.4	751.9	773.9	781.2	779.4	783.1	788.6	775.7	779.4
10°	544.7	531.8	542.8	568.5	588.7	612.5	594.2	592.3	597.8	592.3	603.4
12.5°	454.8	440.1	431.0	431.0	445.6	456.6	451.1	460.3	480.5	486.0	498.8
15°	368.6	355.8	348.4	339.3	353.9	357.6	363.1	375.9	390.6	398.0	412.6
17.5°	295.3	295.3	295.3	287.9	293.4	298.9	300.8	317.3	319.1	326.4	331.9
20°	242.1	247.6	256.7	260.4	265.9	265.9	262.2	271.4	264.1	269.6	273.3
22.5°	218.2	225.6	229.2	231.1	238.4	240.2	231.1	232.9	234.7	229.2	231.1
25°	205.4	209.1	205.4	207.2	209.1	205.4	207.2	210.9	209.1	212.7	210.9
27.5°	199.9	196.2	194.4	192.6	192.6	188.9	190.7	190.7	194.4	196.2	196.2
30°	199.9	194.4	187.1	181.6	181.6	176.1	179.7	183.4	185.2	188.9	188.9
32.5°	205.4	194.4	181.6	176.1	170.6	166.9	170.6	176.1	183.4	185.2	187.1
35°	163.2	168.7	166.9	159.5	157.7	157.7	155.9	155.9	150.4	150.4	148.5
37.5°	146.7	144.9	148.5	150.4	152.2	146.7	146.7	139.4	137.5	139.4	139.4
40°	137.5	137.5	137.5	143.0	144.9	141.2	135.7	132.0	132.0	132.0	133.9
42.5°	133.9	130.2	128.4	132.0	137.5	133.9	128.4	126.5	126.5	128.4	128.4
45°	128.4	126.5	124.7	122.9	130.2	124.7	122.9	121.0	121.0	121.0	122.9
47.5°	122.9	121.0	117.4	117.4	119.2	117.4	115.5	115.5	115.5	119.2	119.2
50°	119.2	117.4	113.7	113.7	113.7	113.7	111.9	111.9	111.9	113.7	115.5
52.5°	113.7	111.9	110.0	108.2	108.2	108.2	108.2	108.2	108.2	110.0	111.9
55°	108.2	106.4	104.5	104.5	106.4	106.4	104.5	106.4	104.5	106.4	108.2
57.5°	102.7	100.9	99.0	100.9	102.7	100.9	100.9	100.9	100.9	100.9	102.7
60°	95.4	95.4	95.4	95.4	99.0	99.0	99.0	99.0	95.4	97.2	99.0
62.5°	91.7	89.9	89.9	91.7	93.5	93.5	95.4	93.5	91.7	93.5	93.5
65°	84.4	84.4	84.4	86.2	86.2	88.0	88.0	88.0	86.2	88.0	88.0
67.5°	78.9	78.9	78.9	78.9	82.5	82.5	82.5	82.5	80.7	80.7	82.5
70°	69.7	71.5	69.7	73.4	77.0	75.2	77.0	77.0	75.2	73.4	77.0
72.5°	64.2	64.2	64.2	64.2	69.7	69.7	69.7	71.5	69.7	67.9	69.7
75°	56.9	56.9	56.9	58.7	62.4	62.4	62.4	62.4	62.4	60.5	60.5
77.5°	49.5	51.3	49.5	51.3	55.0	53.2	55.0	56.9	55.0	53.2	53.2
80°	42.2	42.2	42.2	44.0	45.8	45.8	45.8	47.7	45.8	44.0	44.0
82.5°	33.0	33.0	34.8	34.8	36.7	36.7	36.7	38.5	36.7	34.8	34.8
85°	25.7	25.7	25.7	27.5	27.5	29.3	29.3	31.2	31.2	29.3	29.3
87.5°	16.5	14.7	16.5	16.5	18.3	18.3	16.5	14.7	16.5	14.7	12.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4
2.5°	1204.9	1237.9	1261.7	1278.2	1302.1	1347.9	1366.3	1399.3	1408.4	1413.9
5°	1036.1	1071.0	1122.3	1159.0	1201.2	1287.4	1353.4	1402.9	1424.9	1445.1
7.5°	812.4	858.3	911.4	959.1	1028.8	1135.2	1221.4	1324.1	1362.6	1382.8
10°	634.5	676.7	735.4	794.1	891.3	981.1	1104.0	1197.5	1250.7	1265.4
12.5°	535.5	585.0	654.7	726.2	786.7	889.4	1014.1	1149.9	1199.4	1208.5
15°	454.8	522.7	594.2	667.5	737.2	827.1	961.0	1126.0	1199.4	1208.5
17.5°	375.9	436.5	520.8	599.7	680.4	803.2	970.1	1146.2	1219.5	1247.0
20°	298.9	357.6	423.6	522.7	632.7	762.9	990.3	1214.0	1311.2	1340.6
22.5°	247.6	273.3	337.4	432.8	563.0	735.4	1010.5	1320.4	1423.1	1434.1
25°	216.4	234.7	275.1	364.9	508.0	717.1	1058.2	1443.3	1575.3	1575.3
27.5°	201.7	209.1	236.6	317.3	469.5	700.5	1105.8	1579.0	1701.9	1727.5
30°	198.1	216.4	231.1	282.4	427.3	654.7	1149.9	1685.3	1811.9	1813.7
32.5°	194.4	190.7	201.7	245.7	375.9	607.0	1186.5	1793.5	1892.6	1898.1
35°	152.2	159.5	177.9	216.4	337.4	572.2	1204.9	1852.2	1995.3	2000.8
37.5°	143.0	152.2	166.9	199.9	311.8	542.8	1210.4	1965.9	2103.5	2114.5
40°	139.4	146.7	157.7	185.2	291.6	506.2	1221.4	2083.3	2263.0	2248.4
42.5°	132.0	141.2	152.2	177.9	275.1	478.6	1223.2	2147.5	2347.4	2347.4
45°	130.2	135.7	148.5	177.9	256.7	454.8	1193.9	2211.7	2444.6	2415.2
47.5°	122.9	133.9	144.9	172.4	234.7	431.0	1159.0	2244.7	2457.4	2448.2
50°	121.0	132.0	150.4	163.2	221.9	420.0	1151.7	2327.2	2483.1	2481.3
52.5°	117.4	128.4	155.9	155.9	205.4	405.3	1186.5	2363.9	2488.6	2503.3
55°	111.9	128.4	144.9	143.0	190.7	387.0	1225.0	2459.3	2585.8	2582.1
57.5°	108.2	124.7	137.5	130.2	174.2	374.1	1281.9	2550.9	2703.2	2677.5
60°	102.7	124.7	122.9	121.0	161.4	363.1	1329.6	2569.3	2728.8	2745.3
62.5°	99.0	130.2	108.2	111.9	150.4	357.6	1309.4	2431.7	2694.0	2708.7
65°	95.4	111.9	99.0	102.7	146.7	346.6	1230.5	2266.7	2543.6	2607.8
67.5°	88.0	91.7	91.7	95.4	143.0	320.9	1069.2	1969.6	2314.4	2349.2
70°	80.7	82.5	82.5	88.0	139.4	291.6	882.1	1703.7	2008.1	2074.1
72.5°	73.4	73.4	73.4	80.7	128.4	267.7	726.2	1309.4	1668.8	1714.7
75°	64.2	64.2	64.2	71.5	115.5	243.9	572.2	973.8	1228.7	1294.7
77.5°	56.9	56.9	55.0	64.2	100.9	198.1	412.6	687.7	865.6	920.6
80°	47.7	45.8	45.8	51.3	78.9	143.0	265.9	486.0	603.4	627.2
82.5°	38.5	36.7	34.8	38.5	56.9	89.9	165.1	339.3	387.0	372.3
85°	36.7	38.5	31.2	29.3	40.3	58.7	104.5	209.1	174.2	174.2
87.5°	14.7	12.8	12.8	11.0	20.2	22.0	45.8	38.5	29.3	29.3
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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