

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: P671647

Luminaire Tested: **CCP-SA-1C-727-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671647
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SLL
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3137.3 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

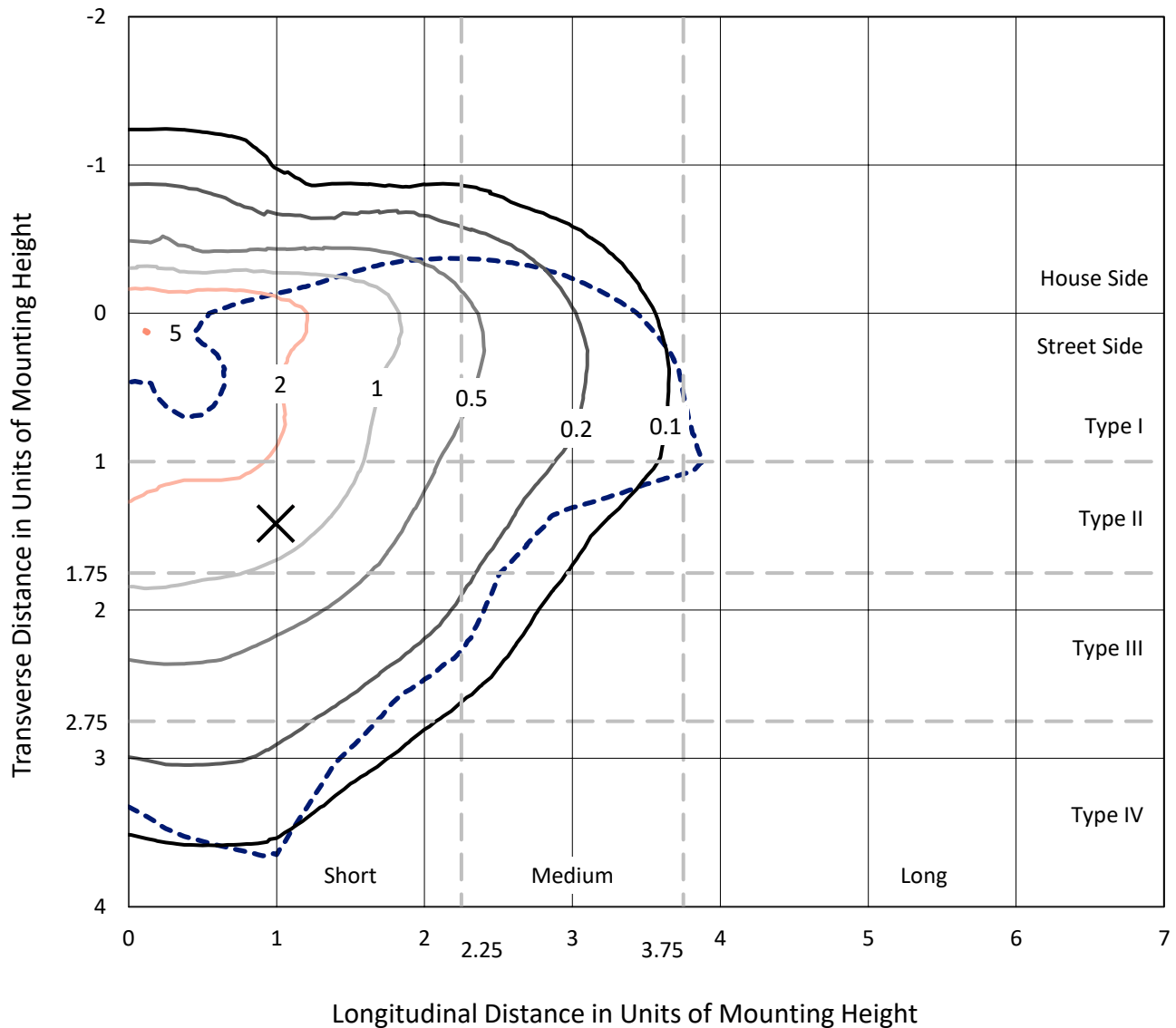
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

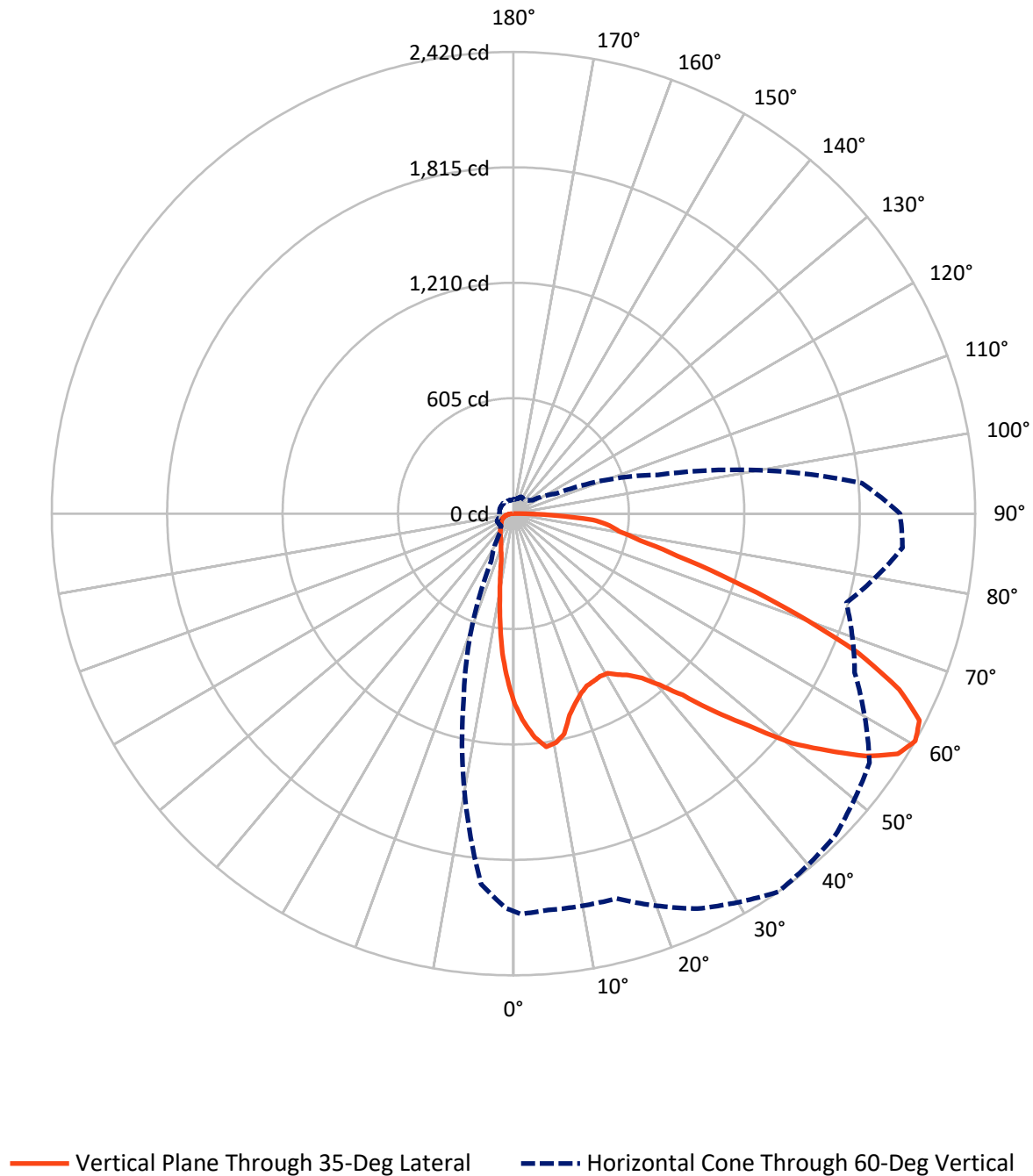
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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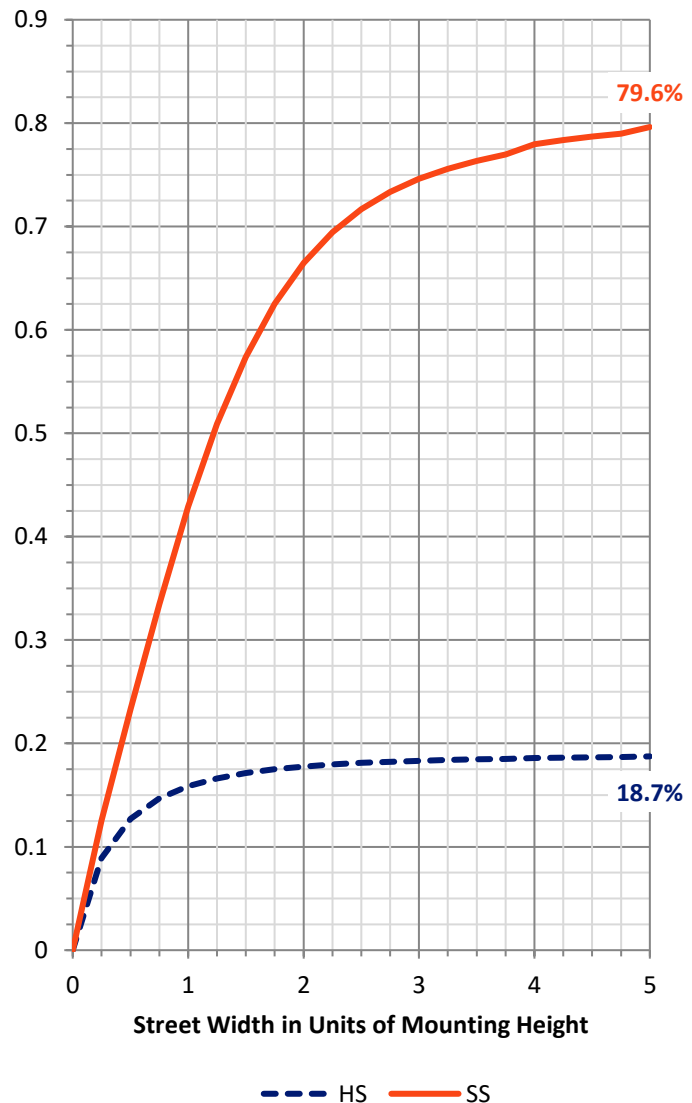
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.1	0.0	597.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	2540.2	0.0	2540.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	3137.3	0.0	3137.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	2.5
10°-20°	164.4	5.2
20°-30°	240.5	7.7
30°-40°	338.8	10.8
40°-50°	465.6	14.8
50°-60°	634.6	20.2
60°-70°	694.5	22.1
70°-80°	401.0	12.8
80°-90°	120.1	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°	3137.3	100.0
0°-180°	3137.3	100.0

Coefficient of Utilization



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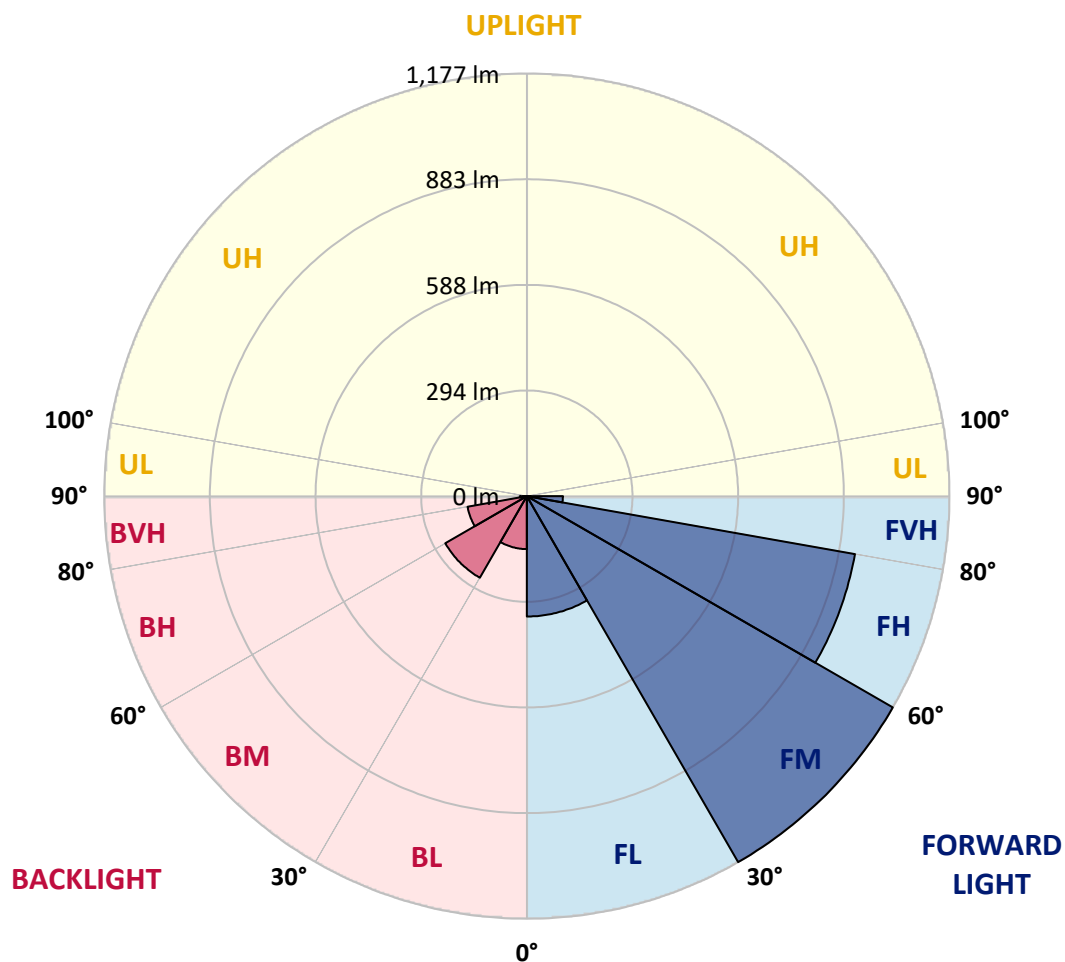
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.2	10.7			
FM	(30°-60°)	1176.8	37.5			
FH	(60°-80°)	927.8	29.6			G1/1800
FVH	(80°-90°)	100.5	3.2			G2/225
BL	(0°-30°)	147.5	4.7	B1/500		
BM	(30°-60°)	262.3	8.4	B1/1000		
BH	(60°-80°)	167.7	5.3	B1/500		G1/500
BVH	(80°-90°)	19.6	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°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1073.0	1068.8	1073.0	1088.3	1092.5	1099.5	1099.5	1089.7	1071.6	1063.3	1049.4
5°	1096.7	1089.7	1124.5	1156.5	1181.6	1178.8	1155.1	1135.6	1099.5	1045.2	993.7
7.5°	1049.4	1056.3	1081.4	1164.9	1223.3	1234.5	1196.9	1157.9	1080.0	1004.8	935.2
10°	960.3	970.0	1024.3	1110.6	1202.4	1220.5	1196.9	1149.6	1056.3	963.1	882.3
12.5°	917.1	939.4	971.4	1075.8	1141.2	1184.4	1173.2	1142.6	1038.2	928.3	850.3
15°	917.1	922.7	970.0	1057.7	1095.3	1096.7	1100.8	1106.4	1043.8	943.6	839.2
17.5°	946.4	961.7	1002.0	1056.3	1063.3	1046.6	1046.6	1070.2	1054.9	986.7	879.6
20°	1017.3	1011.8	1064.7	1086.9	1049.4	1007.6	1003.4	1043.8	1067.4	1032.7	953.3
22.5°	1088.3	1113.4	1156.5	1106.4	1036.8	981.2	975.6	1025.7	1105.0	1112.0	1038.2
25°	1195.5	1220.5	1242.8	1181.6	1035.4	974.2	978.4	1017.3	1151.0	1224.7	1180.2
27.5°	1311.0	1326.3	1358.3	1263.7	1068.8	965.9	970.0	1028.5	1194.1	1298.5	1291.5
30°	1376.4	1393.1	1386.2	1279.0	1091.1	971.4	960.3	1043.8	1170.4	1298.5	1363.9
32.5°	1440.4	1430.7	1426.5	1304.0	1118.9	1006.2	978.4	1075.8	1184.4	1319.3	1457.1
35°	1518.4	1504.4	1493.3	1352.8	1164.9	1039.6	1027.1	1117.6	1215.0	1362.5	1532.3
37.5°	1604.7	1604.7	1550.4	1388.9	1219.1	1093.9	1080.0	1177.4	1263.7	1388.9	1635.3
40°	1706.2	1710.4	1614.4	1437.6	1280.4	1180.2	1176.0	1255.3	1311.0	1427.9	1734.1
42.5°	1781.4	1784.2	1670.1	1455.7	1351.4	1299.9	1318.0	1380.6	1365.3	1462.7	1741.0
45°	1832.9	1819.0	1709.0	1507.2	1429.3	1479.4	1485.0	1503.1	1436.3	1483.6	1768.9
47.5°	1857.9	1855.2	1725.7	1567.1	1593.5	1661.7	1693.7	1668.7	1501.7	1461.3	1768.9
50°	1883.0	1859.3	1741.0	1649.2	1753.6	1891.3	1884.4	1838.5	1592.1	1489.1	1742.4
52.5°	1899.7	1878.8	1771.7	1722.9	1906.7	2062.5	2090.4	2005.5	1697.9	1540.6	1755.0
55°	1959.5	1942.8	1863.5	1823.2	2083.4	2243.5	2247.6	2129.3	1809.2	1625.5	1837.1
57.5°	2031.9	2041.7	1990.2	1965.1	2218.4	2375.7	2360.4	2221.2	1903.9	1728.5	1931.7
60°	2083.4	2098.7	2086.2	2089.0	2285.2	2420.2	2385.4	2278.2	1973.5	1806.5	2047.2
62.5°	2055.6	2086.2	2137.7	2126.5	2288.0	2388.2	2339.5	2203.1	1981.8	1908.0	2134.9
65°	1979.0	1981.8	2082.0	2143.2	2162.7	2222.6	2158.6	2045.8	1895.5	1970.7	2122.4
67.5°	1782.8	1805.1	1895.5	2015.2	1933.1	1947.0	1941.4	1778.6	1764.7	1927.5	2026.3
70°	1574.0	1589.3	1688.2	1828.7	1632.5	1567.1	1579.6	1458.5	1515.6	1793.9	1832.9
72.5°	1301.3	1311.0	1423.7	1547.6	1309.6	1192.7	1221.9	1123.1	1203.8	1569.9	1546.2
75°	982.6	1000.6	1088.3	1234.5	964.5	889.3	918.5	878.2	953.3	1292.9	1199.7
77.5°	698.6	684.7	793.3	965.9	725.1	680.6	683.3	690.3	771.0	1089.7	861.5
80°	476.0	480.1	577.6	708.4	569.2	562.3	555.3	611.0	647.1	862.9	626.3
82.5°	282.5	282.5	389.7	503.8	449.5	506.6	474.6	524.7	506.6	634.6	410.6
85°	132.2	132.2	200.4	363.2	347.9	417.5	354.9	396.6	374.4	442.6	185.1
87.5°	22.3	19.5	40.4	178.1	143.3	162.8	64.0	211.5	235.2	309.0	45.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1034.0	1024.3	1004.8	979.8	958.9	932.5	924.1	906.0	881.0	878.2	867.0
5°	974.2	940.8	899.1	847.6	812.8	776.6	746.0	727.9	707.0	704.2	698.6
7.5°	908.8	867.0	797.5	736.2	676.4	619.3	591.5	556.7	533.0	514.9	506.6
10°	847.6	808.6	722.3	638.8	585.9	548.3	514.9	478.8	449.5	427.3	418.9
12.5°	807.2	761.3	668.0	588.7	549.7	506.6	469.0	430.0	392.5	363.2	347.9
15°	789.1	746.0	651.3	563.6	506.6	446.7	403.6	364.6	318.7	297.8	290.9
17.5°	832.2	768.2	645.8	534.4	453.7	385.5	332.6	290.9	257.5	236.6	228.2
20°	887.9	808.6	655.5	499.6	403.6	327.1	268.6	224.1	201.8	186.5	185.1
22.5°	958.9	868.4	670.8	474.6	347.9	263.0	210.1	183.7	168.4	167.0	164.2
25°	1085.5	977.0	695.9	441.2	303.4	217.1	179.5	164.2	157.3	153.1	155.9
27.5°	1194.1	1048.0	714.0	420.3	285.3	204.6	174.0	157.3	150.3	148.9	150.3
30°	1258.1	1113.4	708.4	381.3	249.1	194.8	185.1	179.5	165.6	154.5	154.5
32.5°	1316.6	1155.1	707.0	346.5	212.9	162.8	154.5	150.3	158.7	164.2	160.0
35°	1397.3	1220.5	702.8	327.1	197.6	150.3	136.4	125.3	119.7	116.9	121.1
37.5°	1483.6	1265.1	691.7	324.3	189.3	143.3	132.2	121.1	115.5	112.7	111.3
40°	1578.2	1312.4	679.2	310.4	185.1	139.2	128.0	118.3	111.3	107.2	105.8
42.5°	1639.4	1350.0	666.6	303.4	176.7	136.4	123.9	115.5	108.6	103.0	103.0
45°	1674.2	1394.5	654.1	296.4	167.0	137.8	123.9	112.7	104.4	101.6	98.8
47.5°	1689.5	1427.9	649.9	285.3	158.7	132.2	121.1	109.9	101.6	96.0	94.6
50°	1729.9	1498.9	665.2	277.0	148.9	126.6	128.0	108.6	100.2	93.2	91.9
52.5°	1753.6	1555.9	698.6	264.4	142.0	119.7	125.3	105.8	96.0	89.1	89.1
55°	1839.9	1650.6	734.8	254.7	133.6	109.9	115.5	100.2	89.1	84.9	84.9
57.5°	1949.8	1750.8	765.4	250.5	128.0	103.0	103.0	97.4	84.9	79.3	77.9
60°	2026.3	1832.9	783.5	247.7	122.5	96.0	91.9	97.4	80.7	75.2	73.8
62.5°	2034.7	1785.6	765.4	246.3	121.1	89.1	83.5	93.2	76.5	71.0	68.2
65°	1981.8	1689.5	715.3	240.8	119.7	82.1	77.9	80.7	71.0	66.8	64.0
67.5°	1876.0	1533.7	643.0	238.0	118.3	76.5	71.0	69.6	65.4	61.2	58.5
70°	1629.7	1330.5	558.1	225.5	115.5	72.4	64.0	62.6	58.5	55.7	54.3
72.5°	1368.1	1088.3	460.7	208.8	109.9	65.4	58.5	55.7	54.3	50.1	48.7
75°	1048.0	837.8	368.8	185.1	96.0	58.5	51.5	48.7	47.3	44.5	43.1
77.5°	736.2	623.5	272.8	150.3	80.7	52.9	45.9	43.1	41.8	37.6	37.6
80°	499.6	437.0	185.1	104.4	62.6	43.1	40.4	37.6	34.8	32.0	32.0
82.5°	310.4	306.2	133.6	68.2	45.9	34.8	32.0	32.0	27.8	25.1	25.1
85°	142.0	187.9	93.2	47.3	34.8	26.4	26.4	25.1	22.3	18.1	18.1
87.5°	44.5	62.6	48.7	20.9	19.5	15.3	15.3	13.9	13.9	11.1	11.1
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°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	878.2	876.8	876.8	871.2	885.1	885.1	893.5	886.5	890.7	892.1	903.2
5°	697.3	708.4	716.7	733.4	743.2	747.4	747.4	758.5	754.3	762.7	779.4
7.5°	510.8	524.7	549.7	570.6	587.3	592.9	591.5	594.3	598.4	588.7	591.5
10°	413.3	403.6	411.9	431.4	446.7	464.8	450.9	449.5	453.7	449.5	457.9
12.5°	345.1	334.0	327.1	327.1	338.2	346.5	342.4	349.3	364.6	368.8	378.5
15°	279.7	270.0	264.4	257.5	268.6	271.4	275.6	285.3	296.4	302.0	313.1
17.5°	224.1	224.1	224.1	218.5	222.7	226.9	228.2	240.8	242.2	247.7	251.9
20°	183.7	187.9	194.8	197.6	201.8	201.8	199.0	206.0	200.4	204.6	207.4
22.5°	165.6	171.2	174.0	175.4	180.9	182.3	175.4	176.7	178.1	174.0	175.4
25°	155.9	158.7	155.9	157.3	158.7	155.9	157.3	160.0	158.7	161.4	160.0
27.5°	151.7	148.9	147.5	146.1	146.1	143.3	144.7	144.7	147.5	148.9	148.9
30°	151.7	147.5	142.0	137.8	137.8	133.6	136.4	139.2	140.6	143.3	143.3
32.5°	155.9	147.5	137.8	133.6	129.4	126.6	129.4	133.6	139.2	140.6	142.0
35°	123.9	128.0	126.6	121.1	119.7	119.7	118.3	118.3	114.1	114.1	112.7
37.5°	111.3	109.9	112.7	114.1	115.5	111.3	111.3	105.8	104.4	105.8	105.8
40°	104.4	104.4	104.4	108.6	109.9	107.2	103.0	100.2	100.2	100.2	101.6
42.5°	101.6	98.8	97.4	100.2	104.4	101.6	97.4	96.0	96.0	97.4	97.4
45°	97.4	96.0	94.6	93.2	98.8	94.6	93.2	91.9	91.9	91.9	93.2
47.5°	93.2	91.9	89.1	89.1	90.5	89.1	87.7	87.7	87.7	90.5	90.5
50°	90.5	89.1	86.3	86.3	86.3	86.3	84.9	84.9	84.9	86.3	87.7
52.5°	86.3	84.9	83.5	82.1	82.1	82.1	82.1	82.1	82.1	83.5	84.9
55°	82.1	80.7	79.3	79.3	80.7	80.7	79.3	80.7	79.3	80.7	82.1
57.5°	77.9	76.5	75.2	76.5	77.9	76.5	76.5	76.5	76.5	76.5	77.9
60°	72.4	72.4	72.4	72.4	75.2	75.2	75.2	75.2	72.4	73.8	75.2
62.5°	69.6	68.2	68.2	69.6	71.0	71.0	72.4	71.0	69.6	71.0	71.0
65°	64.0	64.0	64.0	65.4	65.4	66.8	66.8	66.8	65.4	66.8	66.8
67.5°	59.8	59.8	59.8	59.8	62.6	62.6	62.6	62.6	61.2	61.2	62.6
70°	52.9	54.3	52.9	55.7	58.5	57.1	58.5	58.5	57.1	55.7	58.5
72.5°	48.7	48.7	48.7	48.7	52.9	52.9	52.9	54.3	52.9	51.5	52.9
75°	43.1	43.1	43.1	44.5	47.3	47.3	47.3	47.3	47.3	45.9	45.9
77.5°	37.6	39.0	37.6	39.0	41.8	40.4	41.8	43.1	41.8	40.4	40.4
80°	32.0	32.0	32.0	33.4	34.8	34.8	34.8	36.2	34.8	33.4	33.4
82.5°	25.1	25.1	26.4	26.4	27.8	27.8	27.8	29.2	27.8	26.4	26.4
85°	19.5	19.5	19.5	20.9	20.9	22.3	22.3	23.7	23.7	22.3	22.3
87.5°	12.5	11.1	12.5	12.5	13.9	13.9	12.5	11.1	12.5	11.1	9.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	914.4	939.4	957.5	970.0	988.1	1022.9	1036.8	1061.9	1068.8	1073.0
5°	786.3	812.8	851.7	879.6	911.6	977.0	1027.1	1064.7	1081.4	1096.7
7.5°	616.5	651.3	691.7	727.9	780.8	861.5	926.9	1004.8	1034.0	1049.4
10°	481.5	513.5	558.1	602.6	676.4	744.6	837.8	908.8	949.2	960.3
12.5°	406.4	444.0	496.8	551.1	597.0	675.0	769.6	872.6	910.2	917.1
15°	345.1	396.6	450.9	506.6	559.5	627.7	729.3	854.5	910.2	917.1
17.5°	285.3	331.2	395.2	455.1	516.3	609.6	736.2	869.8	925.5	946.4
20°	226.9	271.4	321.5	396.6	480.1	579.0	751.5	921.3	995.1	1017.3
22.5°	187.9	207.4	256.1	328.4	427.3	558.1	766.8	1002.0	1080.0	1088.3
25°	164.2	178.1	208.8	277.0	385.5	544.2	803.0	1095.3	1195.5	1195.5
27.5°	153.1	158.7	179.5	240.8	356.3	531.6	839.2	1198.3	1291.5	1311.0
30°	150.3	164.2	175.4	214.3	324.3	496.8	872.6	1279.0	1375.0	1376.4
32.5°	147.5	144.7	153.1	186.5	285.3	460.7	900.4	1361.1	1436.3	1440.4
35°	115.5	121.1	135.0	164.2	256.1	434.2	914.4	1405.6	1514.2	1518.4
37.5°	108.6	115.5	126.6	151.7	236.6	411.9	918.5	1491.9	1596.3	1604.7
40°	105.8	111.3	119.7	140.6	221.3	384.1	926.9	1581.0	1717.4	1706.2
42.5°	100.2	107.2	115.5	135.0	208.8	363.2	928.3	1629.7	1781.4	1781.4
45°	98.8	103.0	112.7	135.0	194.8	345.1	906.0	1678.4	1855.2	1832.9
47.5°	93.2	101.6	109.9	130.8	178.1	327.1	879.6	1703.5	1864.9	1857.9
50°	91.9	100.2	114.1	123.9	168.4	318.7	874.0	1766.1	1884.4	1883.0
52.5°	89.1	97.4	118.3	118.3	155.9	307.6	900.4	1793.9	1888.6	1899.7
55°	84.9	97.4	109.9	108.6	144.7	293.7	929.7	1866.3	1962.3	1959.5
57.5°	82.1	94.6	104.4	98.8	132.2	283.9	972.8	1935.9	2051.4	2031.9
60°	77.9	94.6	93.2	91.9	122.5	275.6	1009.0	1949.8	2070.9	2083.4
62.5°	75.2	98.8	82.1	84.9	114.1	271.4	993.7	1845.4	2044.4	2055.6
65°	72.4	84.9	75.2	77.9	111.3	263.0	933.8	1720.2	1930.3	1979.0
67.5°	66.8	69.6	69.6	72.4	108.6	243.6	811.4	1494.7	1756.3	1782.8
70°	61.2	62.6	62.6	66.8	105.8	221.3	669.4	1292.9	1523.9	1574.0
72.5°	55.7	55.7	55.7	61.2	97.4	203.2	551.1	993.7	1266.5	1301.3
75°	48.7	48.7	48.7	54.3	87.7	185.1	434.2	739.0	932.5	982.6
77.5°	43.1	43.1	41.8	48.7	76.5	150.3	313.1	521.9	656.9	698.6
80°	36.2	34.8	34.8	39.0	59.8	108.6	201.8	368.8	457.9	476.0
82.5°	29.2	27.8	26.4	29.2	43.1	68.2	125.3	257.5	293.7	282.5
85°	27.8	29.2	23.7	22.3	30.6	44.5	79.3	158.7	132.2	132.2
87.5°	11.1	9.7	9.7	8.4	15.3	16.7	34.8	29.2	22.3	22.3
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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