

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: P673026

Luminaire Tested: **CCP-SA-2C-830-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673026
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T1 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

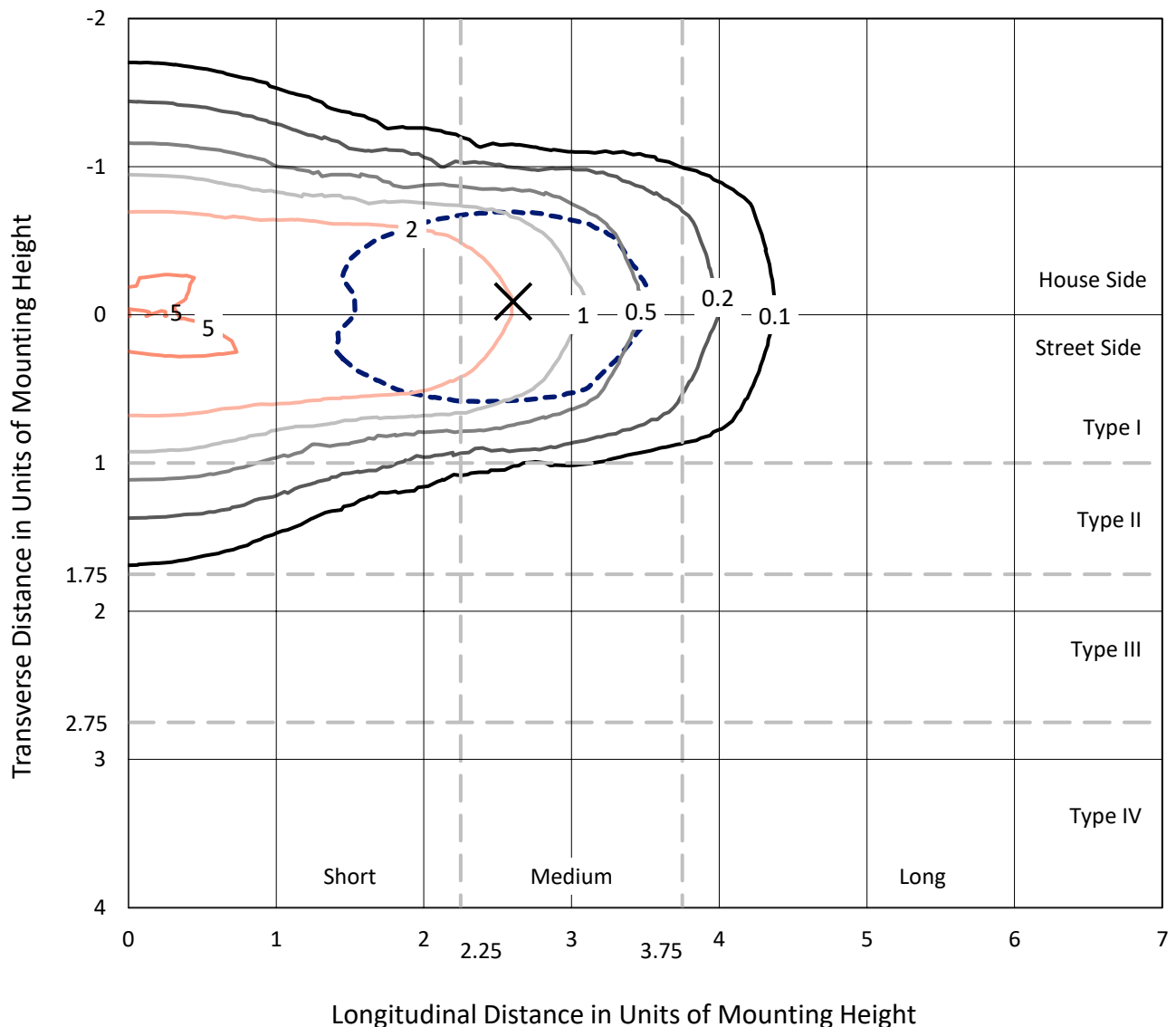
Lumens per Lamp: N/A
Luminaire Lumens: 6996 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 62.1
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

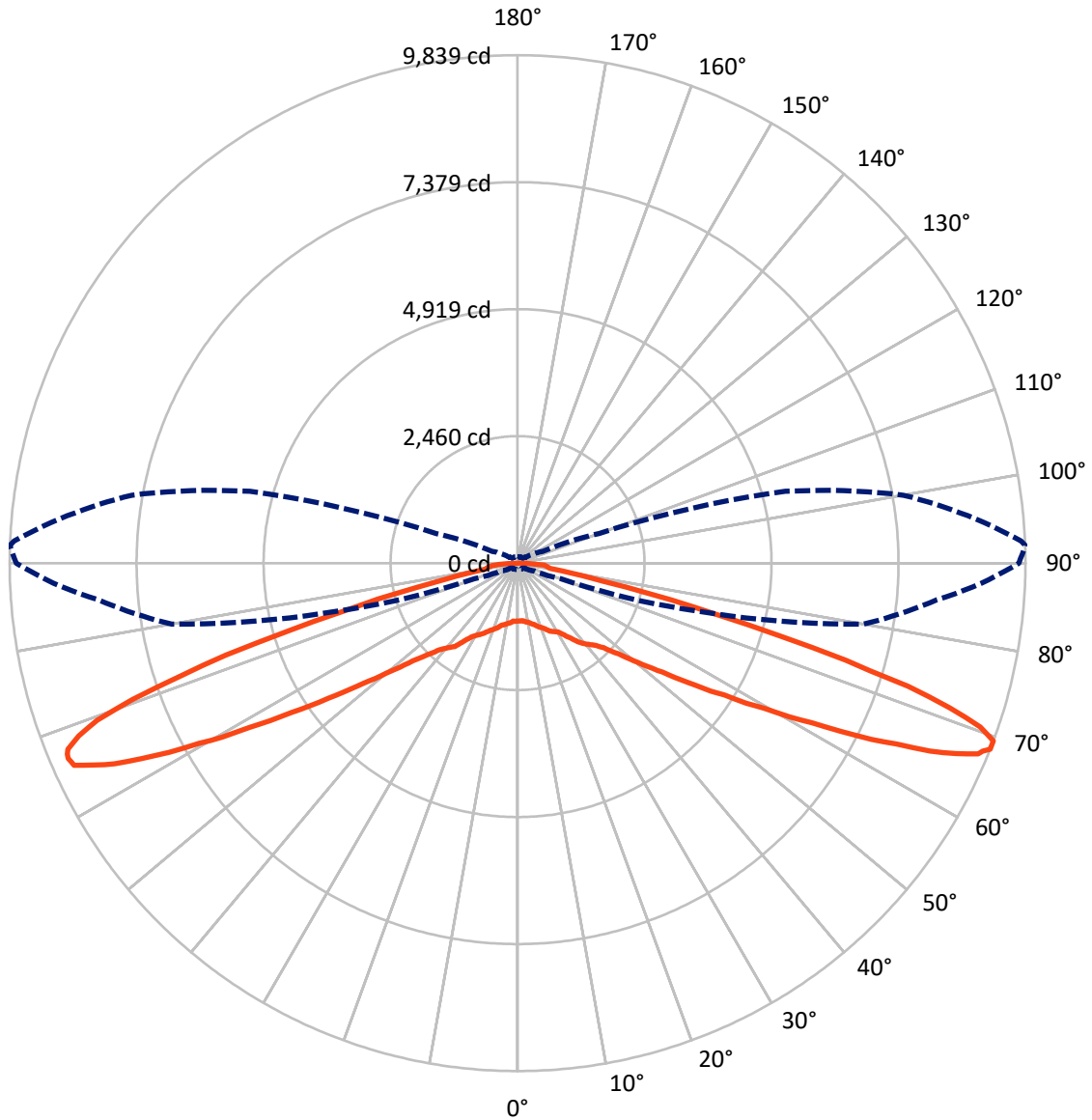
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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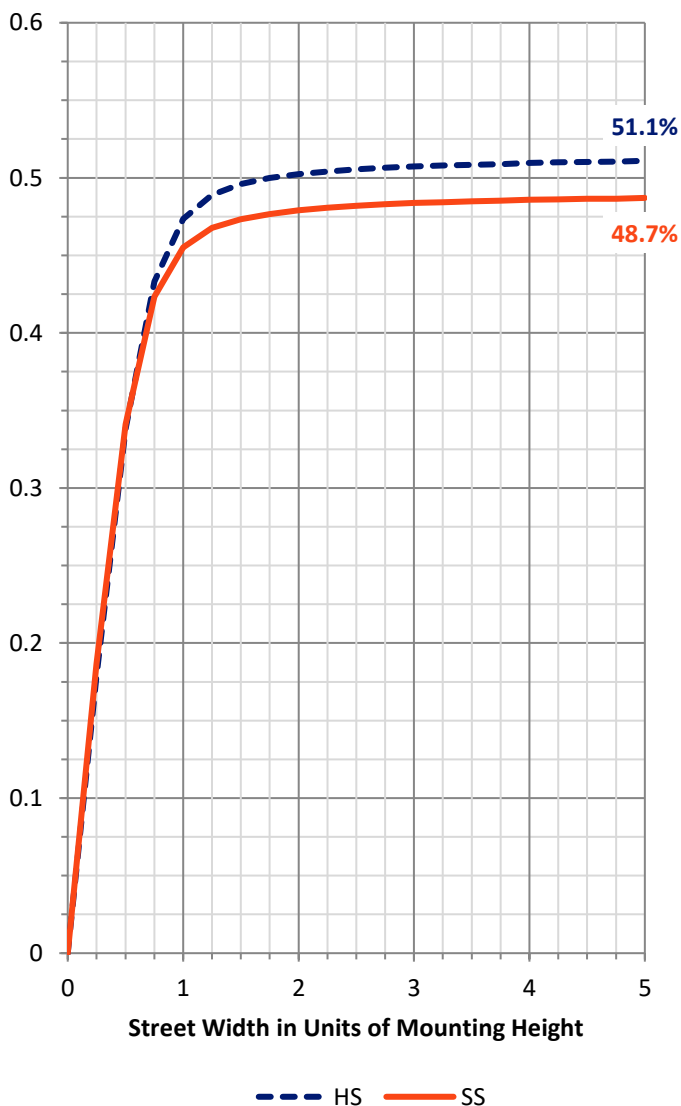
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3602.8	0.0	3602.8
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3393.2	0.0	3393.2
	% Fixture	48.5	0.0	48.5
Total	Lumens	6996.0	0.0	6996.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	1.6
10°-20°	362.9	5.2
20°-30°	619.4	8.9
30°-40°	864.8	12.4
40°-50°	1100.0	15.7
50°-60°	1390.9	19.9
60°-70°	1715.4	24.5
70°-80°	749.3	10.7
80°-90°	81.3	1.2
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°	6996.0	100.0
0°-180°	6996.0	100.0



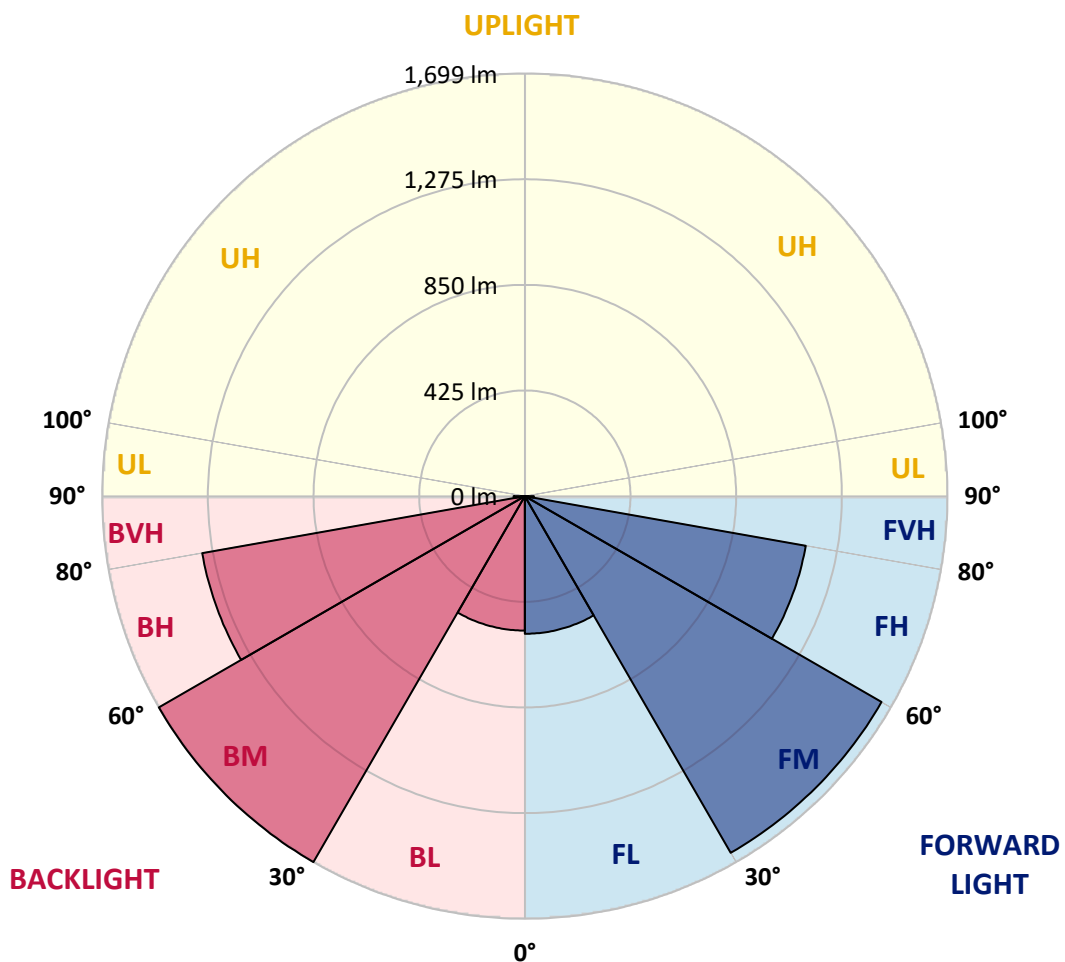
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.7	7.9			
FM (30°-60°)	1656.3	23.7			
FH (60°-80°)	1147.2	16.4			G1/1800
FVH (80°-90°)	36.0	0.5			G1/100
BL (0°-30°)	540.7	7.7	B2/1000		
BM (30°-60°)	1699.5	24.3	B2/2500		
BH (60°-80°)	1317.5	18.8	B3/2500		G3/2500
BVH (80°-90°)	45.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7
2.5°	1142.4	1141.0	1145.0	1147.6	1135.8	1139.7	1137.1	1134.5	1125.3	1121.3	1113.5
5°	1173.9	1177.8	1190.9	1179.1	1184.4	1177.8	1156.8	1163.4	1151.5	1148.9	1141.0
7.5°	1229.0	1221.1	1239.5	1226.4	1230.3	1217.2	1208.0	1196.2	1193.6	1175.2	1176.5
10°	1240.8	1256.6	1264.5	1261.8	1264.5	1271.0	1254.0	1235.6	1210.6	1205.4	1187.0
12.5°	1233.0	1247.4	1268.4	1285.5	1297.3	1299.9	1293.4	1289.4	1278.9	1248.7	1247.4
15°	1225.1	1214.6	1227.7	1286.8	1326.2	1352.4	1361.6	1339.3	1341.9	1302.5	1286.8
17.5°	1172.6	1156.8	1208.0	1265.8	1314.4	1372.1	1416.8	1410.2	1410.2	1378.7	1356.4
20°	1103.0	1129.2	1155.5	1229.0	1318.3	1405.0	1490.3	1486.4	1470.6	1461.4	1412.8
22.5°	1043.9	1055.7	1104.3	1181.7	1293.4	1414.2	1515.3	1587.5	1550.7	1513.9	1485.1
25°	1003.2	992.7	1054.4	1134.5	1269.7	1398.4	1562.5	1637.4	1657.1	1629.5	1574.3
27.5°	945.4	945.4	994.0	1070.1	1193.6	1390.5	1608.5	1722.7	1751.6	1710.9	1630.8
30°	879.7	887.6	929.6	1016.3	1137.1	1332.7	1626.9	1821.2	1844.8	1809.4	1726.7
32.5°	828.5	828.5	875.8	967.7	1097.7	1306.5	1615.1	1918.4	1963.0	1936.7	1851.4
35°	773.4	769.4	803.6	904.7	1034.7	1255.3	1611.1	1995.8	2095.6	2096.9	2007.7
37.5°	694.6	710.4	753.7	833.8	984.8	1205.4	1599.3	2089.1	2267.6	2297.8	2236.1
40°	642.1	648.6	688.0	776.0	907.3	1146.3	1582.2	2165.2	2381.9	2485.6	2400.3
42.5°	565.9	575.1	605.3	714.3	832.5	1062.3	1507.4	2219.1	2544.7	2662.9	2590.6
45°	485.8	491.1	535.7	625.0	752.4	962.5	1427.3	2305.7	2702.3	2943.9	2901.8
47.5°	390.0	392.6	430.7	523.9	656.5	862.7	1303.9	2301.8	2829.6	3224.9	3343.0
50°	304.6	311.2	340.1	416.2	541.0	740.6	1160.7	2270.3	2989.8	3545.2	3777.6
52.5°	242.9	244.2	262.6	323.0	417.6	618.4	1007.1	2170.5	3140.8	3859.1	4310.7
55°	200.9	200.9	211.4	248.2	320.4	470.1	827.2	2005.0	3159.2	4205.7	4892.4
56°	193.0	190.4	199.6	231.1	288.9	424.1	743.2	1893.4	3185.5	4365.9	5183.9
57°	182.5	183.8	189.1	211.4	260.0	375.5	650.0	1784.4	3167.1	4497.2	5399.3
58°	177.3	174.6	185.1	199.6	229.8	333.5	585.6	1655.8	3138.2	4604.9	5713.1
59°	169.4	168.1	174.6	187.8	214.0	296.7	506.8	1516.6	3081.7	4744.1	5946.8
60°	166.8	165.4	168.1	178.6	197.0	260.0	446.4	1353.8	2930.7	4887.2	6237.0
61°	158.9	160.2	165.4	172.0	186.5	233.7	401.8	1187.0	2832.3	5008.0	6557.4
62°	160.2	157.6	160.2	165.4	175.9	215.3	351.9	1022.9	2656.3	5144.5	6797.7
63°	152.3	151.0	154.9	161.5	166.8	194.3	307.3	883.7	2456.7	5176.0	7001.2
64°	149.7	148.4	149.7	158.9	160.2	182.5	271.8	755.0	2167.8	5229.9	7262.5
65°	143.1	143.1	145.7	149.7	154.9	172.0	242.9	655.2	1880.3	5088.1	7342.6
66°	137.9	139.2	139.2	145.7	149.7	160.2	223.2	556.7	1604.5	4862.2	7420.1
67°	133.9	133.9	135.2	140.5	144.4	151.0	200.9	481.9	1353.8	4593.1	7300.6
67.5°	131.3	132.6	132.6	137.9	141.8	151.0	191.7	456.9	1210.6	4297.6	7211.3
68°	127.4	128.7	128.7	133.9	137.9	145.7	185.1	417.6	1116.1	4105.9	7045.8
69°	124.7	123.4	123.4	128.7	133.9	139.2	172.0	365.0	887.6	3570.2	6804.2
70°	116.9	116.9	119.5	123.4	127.4	132.6	158.9	321.7	751.1	2955.7	6181.8
71°	112.9	111.6	112.9	116.9	120.8	127.4	145.7	284.9	614.5	2454.1	5570.0
72°	105.0	107.7	107.7	111.6	115.5	119.5	136.6	248.2	516.0	1961.7	4896.4
72.5°	103.7	103.7	105.0	109.0	111.6	118.2	131.3	237.7	471.4	1729.3	4614.1
73°	99.8	99.8	101.1	105.0	107.7	114.2	127.4	214.0	429.4	1538.9	4086.2
74°	95.9	94.5	94.5	99.8	101.1	107.7	119.5	189.1	359.8	1159.4	3280.0
75°	89.3	89.3	90.6	93.2	94.5	99.8	110.3	168.1	303.3	899.4	2565.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	73.5	74.8	76.2	78.8	78.8	82.7	90.6	116.9	185.1	455.6	1177.8
80°	53.8	56.5	60.4	64.3	63.0	63.0	70.9	84.0	110.3	204.8	451.7
82.5°	43.3	46.0	42.0	47.3	47.3	44.6	51.2	61.7	74.8	101.1	161.5
85°	28.9	30.2	24.9	28.9	27.6	27.6	34.1	36.8	46.0	56.5	80.1
87.5°	13.1	13.1	10.5	11.8	11.8	11.8	17.1	13.1	19.7	27.6	47.3
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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7
2.5°	1121.3	1126.6	1126.6	1121.3	1117.4	1121.3	1118.7	1112.2	1118.7	1121.3	1122.7
5°	1137.1	1126.6	1131.8	1120.0	1127.9	1126.6	1124.0	1130.5	1131.8	1131.8	1141.0
7.5°	1154.2	1167.3	1150.2	1151.5	1155.5	1139.7	1145.0	1147.6	1142.4	1152.9	1160.7
10°	1184.4	1189.6	1184.4	1164.7	1177.8	1167.3	1163.4	1175.2	1172.6	1175.2	1187.0
12.5°	1211.9	1221.1	1206.7	1205.4	1198.8	1189.6	1194.9	1193.6	1211.9	1214.6	1229.0
15°	1268.4	1244.8	1239.5	1238.2	1235.6	1231.6	1234.3	1235.6	1259.2	1263.2	1297.3
17.5°	1317.0	1313.1	1284.2	1294.7	1294.7	1278.9	1272.3	1294.7	1313.1	1332.7	1356.4
20°	1366.9	1362.9	1331.4	1332.7	1320.9	1335.4	1327.5	1348.5	1380.0	1386.6	1407.6
22.5°	1426.0	1408.9	1386.6	1389.2	1393.1	1382.6	1377.4	1406.3	1437.8	1456.2	1457.5
25°	1519.2	1475.9	1457.5	1460.1	1454.9	1447.0	1450.9	1487.7	1503.4	1542.8	1535.0
27.5°	1569.1	1544.1	1531.0	1500.8	1502.1	1490.3	1506.1	1561.2	1592.7	1622.9	1562.5
30°	1629.5	1613.7	1556.0	1545.5	1544.1	1538.9	1567.8	1638.7	1686.0	1703.0	1616.4
32.5°	1747.7	1684.6	1670.2	1661.0	1640.0	1646.6	1661.0	1754.2	1829.1	1825.1	1666.3
35°	1882.9	1839.6	1798.9	1791.0	1788.4	1770.0	1794.9	1903.9	1961.7	1944.6	1684.6
37.5°	2099.6	2033.9	1978.8	1948.6	1943.3	1930.2	1989.3	2075.9	2150.8	2083.8	1699.1
40°	2205.9	2132.4	2081.2	2062.8	2066.7	2085.1	2142.9	2275.5	2308.3	2184.9	1710.9
42.5°	2358.2	2278.1	2177.0	2167.8	2156.0	2165.2	2276.8	2455.4	2483.0	2321.5	1666.3
45°	2628.7	2507.9	2391.1	2338.5	2341.2	2366.1	2539.4	2735.1	2683.9	2416.0	1595.4
47.5°	2970.1	2792.9	2698.3	2627.4	2661.6	2634.0	2909.7	3066.0	2891.3	2535.5	1508.7
50°	3483.5	3235.4	3106.7	3021.3	3035.8	3059.4	3339.1	3471.7	3121.1	2593.3	1376.1
52.5°	4130.9	3811.8	3622.7	3508.5	3519.0	3570.2	3931.3	3890.6	3383.7	2641.9	1198.8
55°	4905.6	4577.3	4211.0	4163.7	4151.9	4274.0	4671.8	4329.1	3620.1	2564.4	1015.0
56°	5315.2	4966.0	4585.2	4488.0	4459.1	4544.5	5011.9	4548.4	3701.5	2477.7	927.0
57°	5663.2	5329.7	4912.1	4746.7	4783.4	4943.6	5349.4	4754.6	3776.3	2388.4	844.3
58°	6141.1	5760.4	5319.2	5193.1	5160.3	5287.7	5713.1	4962.0	3801.3	2296.5	768.1
59°	6617.8	6160.8	5763.0	5533.2	5542.4	5774.8	6071.5	5208.9	3839.4	2179.7	671.0
60°	6980.2	6750.4	6218.6	6046.6	6023.0	6359.1	6428.7	5374.3	3880.1	2022.1	602.7
61°	7493.6	7194.2	6699.2	6477.3	6541.6	6810.8	6814.7	5581.8	3819.7	1822.5	518.7
62°	7862.5	7783.8	7263.8	7052.4	7032.7	7389.9	7216.5	5764.3	3767.1	1633.4	458.3
63°	8294.5	8294.5	7820.5	7655.1	7664.3	7946.6	7391.2	5946.8	3706.7	1424.7	403.1
64°	8519.1	8801.4	8364.1	8131.7	8192.1	8436.4	7702.4	6066.3	3520.3	1213.3	354.5
65°	8713.4	9137.5	8894.6	8786.9	8695.0	8839.5	7971.5	6177.9	3235.4	1032.1	315.1
66°	8877.5	9454.0	9373.9	9258.3	9249.1	9216.3	8024.1	6174.0	2941.2	871.9	275.7
67°	8794.8	9460.5	9606.3	9654.9	9640.4	9293.8	7932.1	6033.5	2564.4	736.6	245.5
67.5°	8720.0	9406.7	9745.5	9717.9	9778.3	9359.4	7947.9	5861.5	2296.5	667.0	231.1
68°	8654.3	9334.5	9801.9	9837.4	9807.2	9367.3	7861.2	5724.9	2114.0	626.3	218.0
69°	8156.7	8991.8	9711.3	9838.7	9761.2	9066.6	7585.5	5369.1	1679.4	534.4	200.9
70°	7657.7	8548.0	9271.5	9505.2	9409.3	8484.9	7237.5	4803.1	1385.3	456.9	181.2
71°	6967.0	7723.4	8685.8	8826.3	8710.8	7823.2	6518.0	4205.7	1078.0	387.3	161.5
72°	6029.5	6671.6	7590.7	7930.8	7760.1	6871.2	5790.6	3475.6	873.2	325.6	147.1
72.5°	5564.7	6222.5	7108.9	7136.4	7169.3	6457.6	5482.0	3052.8	761.6	302.0	143.1
73°	5123.5	5768.2	6535.1	6632.2	6493.0	5760.4	5021.1	2729.8	695.9	275.7	137.9
74°	4151.9	4519.5	5155.0	5249.6	5127.5	4696.8	4103.3	2093.0	554.1	237.7	126.1
75°	3266.9	3469.1	4044.2	3986.4	3803.9	3652.9	3181.5	1599.3	449.1	208.8	116.9



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1468.0	1590.1	1686.0	1686.0	1696.5	1619.0	1466.7	734.0	277.1	151.0	95.9
80°	559.4	626.3	647.3	648.6	657.8	681.5	634.2	361.1	164.1	107.7	77.5
82.5°	405.7	567.2	610.6	579.1	581.7	525.2	242.9	160.2	103.7	74.8	56.5
85°	367.7	493.7	522.6	518.7	520.0	485.8	143.1	78.8	60.4	47.3	39.4
87.5°	178.6	174.6	185.1	208.8	203.5	263.9	120.8	39.4	26.3	19.7	19.7
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):

	135°	145°	155°	165°	175°	180°
0°	1118.7	1118.7	1118.7	1118.7	1118.7	1118.7
2.5°	1112.2	1110.8	1129.2	1110.8	1121.3	1113.5
5°	1125.3	1130.5	1134.5	1142.4	1124.0	1142.4
7.5°	1164.7	1169.9	1171.2	1177.8	1169.9	1168.6
10°	1194.9	1208.0	1215.9	1189.6	1205.4	1204.1
12.5°	1254.0	1240.8	1239.5	1234.3	1219.8	1214.6
15°	1296.0	1276.3	1264.5	1243.5	1226.4	1219.8
17.5°	1355.1	1317.0	1268.4	1225.1	1194.9	1171.2
20°	1391.8	1323.6	1226.4	1175.2	1129.2	1139.7
22.5°	1415.5	1317.0	1188.3	1122.7	1076.7	1089.8
25°	1423.3	1284.2	1162.0	1080.6	1036.0	1026.8
27.5°	1401.0	1246.1	1110.8	1018.9	979.5	987.4
30°	1390.5	1190.9	1063.6	973.0	920.4	928.3
32.5°	1362.9	1134.5	1000.5	908.6	870.6	857.4
35°	1323.6	1087.2	940.1	853.5	807.5	797.0
37.5°	1275.0	1028.1	887.6	782.6	741.9	734.0
40°	1202.8	957.2	811.5	720.9	673.6	672.3
42.5°	1139.7	888.9	740.6	647.3	600.1	602.7
45°	1059.6	797.0	659.2	579.1	531.8	534.4
47.5°	957.2	711.7	581.7	492.4	453.0	450.4
50°	836.4	614.5	487.1	411.0	378.2	371.6
52.5°	720.9	516.0	399.2	330.9	303.3	300.7
55°	575.1	401.8	311.2	260.0	239.0	240.3
56°	522.6	370.3	283.6	237.7	221.9	221.9
57°	472.7	328.3	257.4	219.3	204.8	204.8
58°	417.6	288.9	233.7	198.3	191.7	186.5
59°	379.5	262.6	211.4	187.8	177.3	175.9
60°	334.8	236.3	197.0	175.9	168.1	166.8
61°	296.7	212.7	181.2	164.1	161.5	161.5
62°	265.2	197.0	168.1	158.9	157.6	153.6
63°	237.7	181.2	161.5	151.0	147.1	151.0
64°	212.7	166.8	156.3	148.4	143.1	145.7
65°	193.0	160.2	149.7	144.4	139.2	140.5
66°	179.9	149.7	144.4	137.9	135.2	136.6
67°	162.8	144.4	139.2	132.6	131.3	132.6
67.5°	157.6	140.5	136.6	130.0	128.7	130.0
68°	153.6	137.9	135.2	128.7	127.4	126.1
69°	143.1	132.6	128.7	126.1	123.4	122.1
70°	133.9	127.4	124.7	120.8	118.2	116.9
71°	128.7	120.8	119.5	115.5	112.9	111.6
72°	122.1	116.9	114.2	109.0	107.7	109.0
72.5°	120.8	114.2	112.9	107.7	106.4	106.4
73°	116.9	109.0	110.3	105.0	102.4	105.0
74°	109.0	106.4	103.7	99.8	98.5	98.5
75°	102.4	99.8	97.2	94.5	94.5	94.5



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	86.7	85.3	86.7	81.4	80.1	78.8
80°	69.6	69.6	70.9	67.0	64.3	63.0
82.5°	52.5	53.8	56.5	52.5	49.9	47.3
85°	34.1	35.5	35.5	31.5	36.8	34.1
87.5°	17.1	18.4	17.1	15.8	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)