

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: P672949

Luminaire Tested: **CCP-SA-2C-727-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672949
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T1 distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

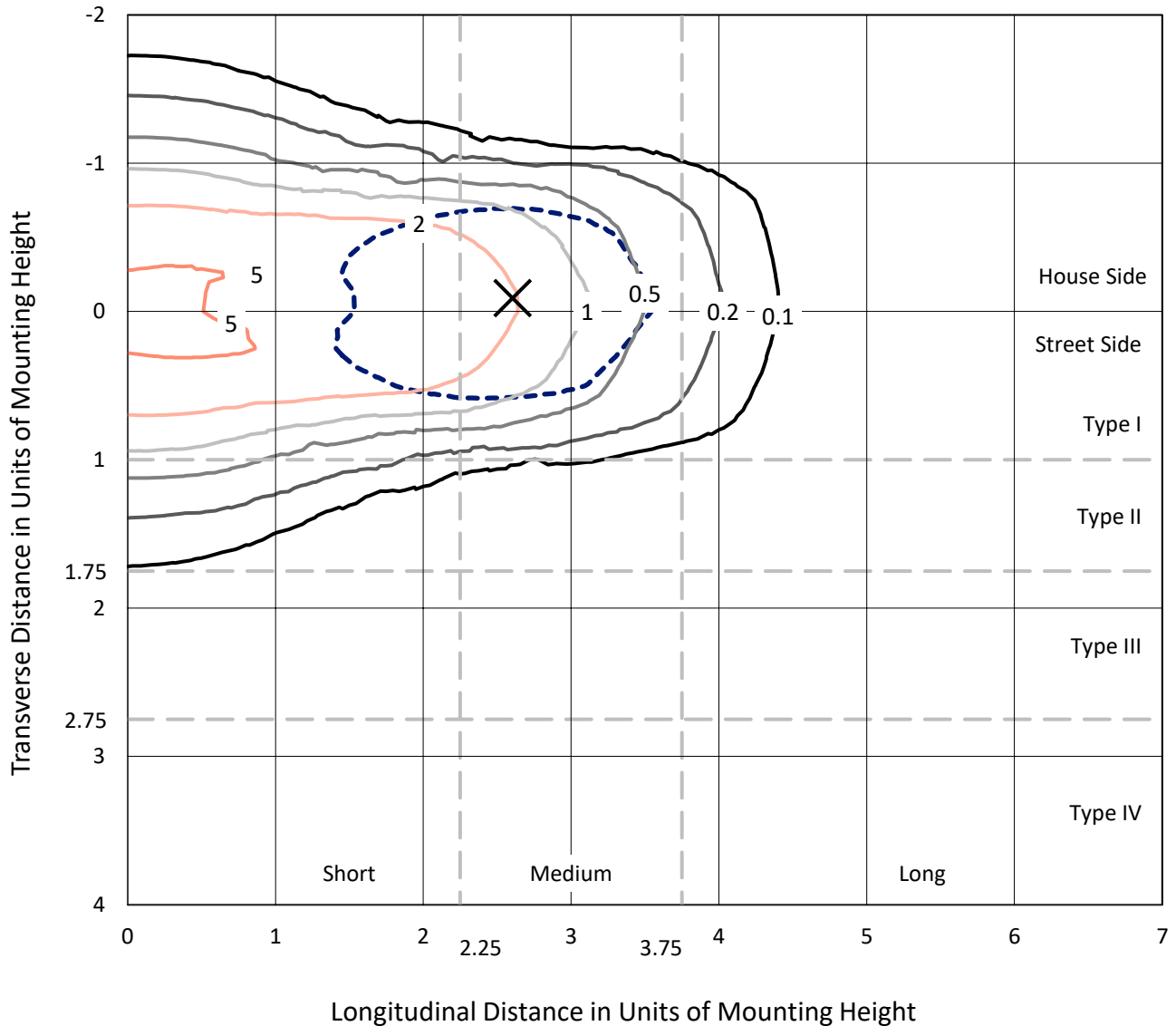
Lumens per Lamp: N/A
Luminaire Lumens: 7363.2 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

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

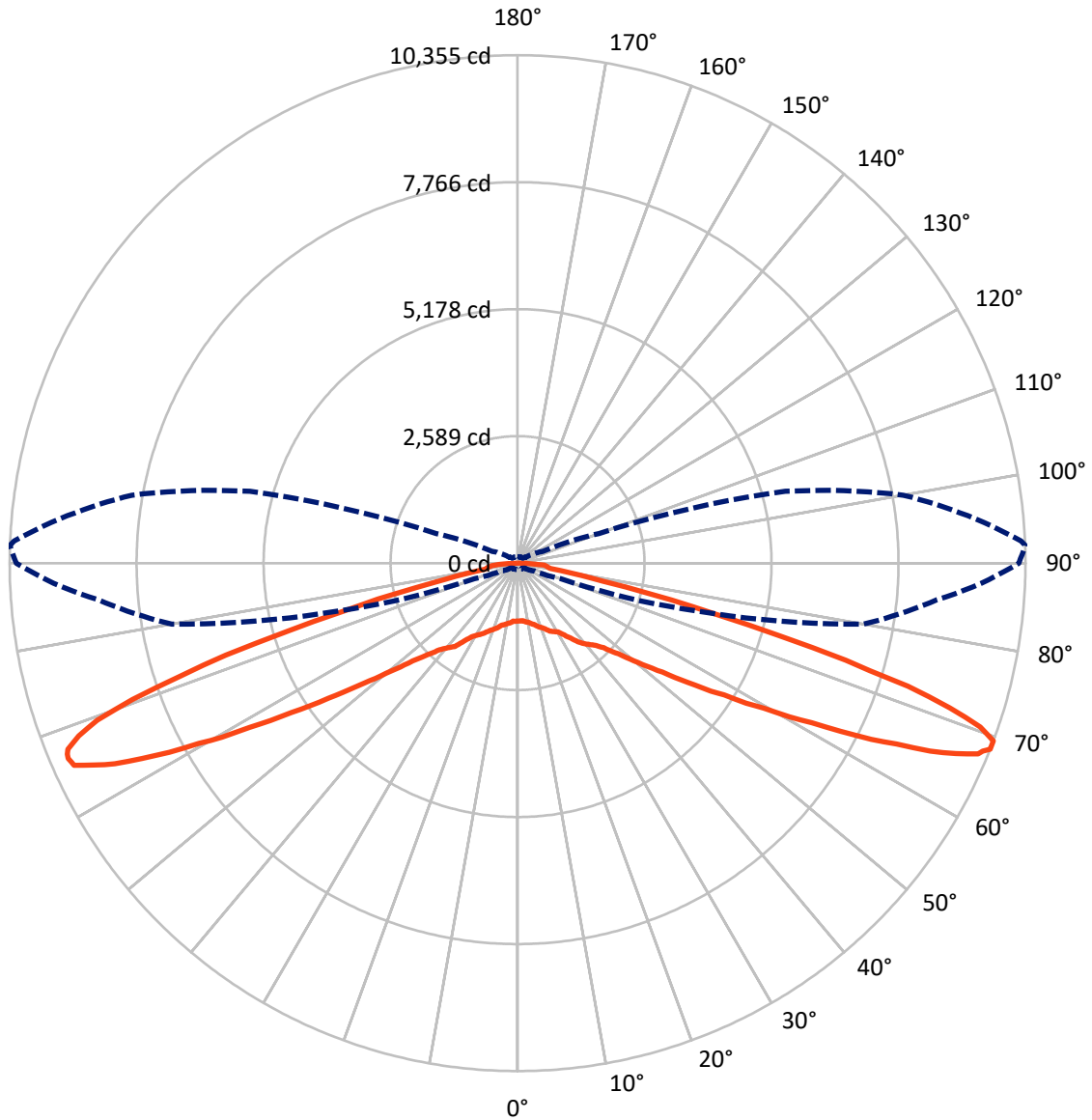
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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	3791.9	0.0	3791.9
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3571.2	0.0	3571.2
	% Fixture	48.5	0.0	48.5
Total	Lumens	7363.2	0.0	7363.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	1.6
10°-20°	382.0	5.2
20°-30°	651.9	8.9
30°-40°	910.2	12.4
40°-50°	1157.8	15.7
50°-60°	1463.9	19.9
60°-70°	1805.4	24.5
70°-80°	788.6	10.7
80°-90°	85.5	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°	7363.2	100.0
0°-180°	7363.2	100.0



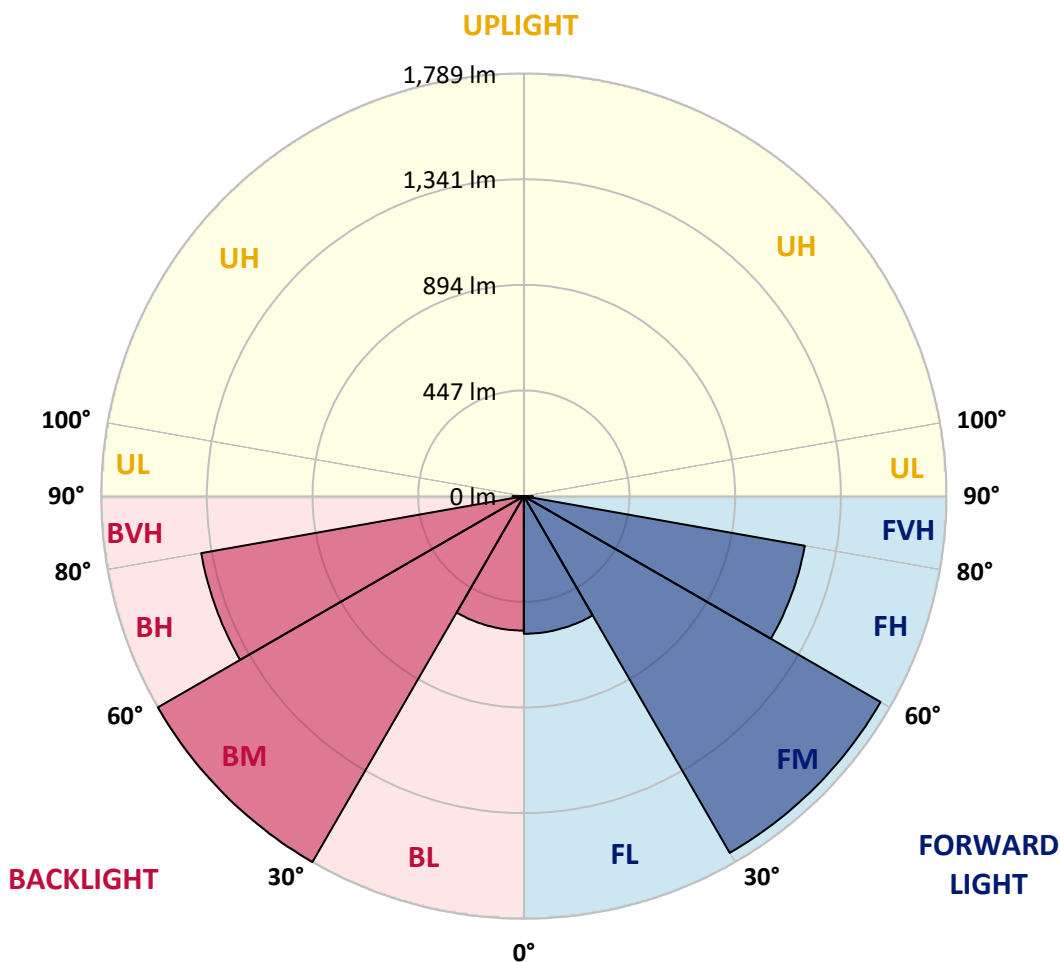
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.7	7.9			
FM (30°-60°)	1743.2	23.7			
FH (60°-80°)	1207.4	16.4			G1/1800
FVH (80°-90°)	37.9	0.5			G1/100
BL (0°-30°)	569.0	7.7	B2/1000		
BM (30°-60°)	1788.7	24.3	B2/2500		
BH (60°-80°)	1386.6	18.8	B3/2500		G3/2500
BVH (80°-90°)	47.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4
2.5°	1202.3	1200.9	1205.1	1207.8	1195.4	1199.5	1196.8	1194.0	1184.3	1180.2	1171.9
5°	1235.5	1239.6	1253.4	1241.0	1246.5	1239.6	1217.5	1224.4	1212.0	1209.2	1200.9
7.5°	1293.5	1285.2	1304.6	1290.7	1294.9	1281.1	1271.4	1259.0	1256.2	1236.9	1238.2
10°	1306.0	1322.5	1330.8	1328.1	1330.8	1337.7	1319.8	1300.4	1274.2	1268.6	1249.3
12.5°	1297.7	1312.9	1335.0	1352.9	1365.4	1368.1	1361.2	1357.1	1346.0	1314.2	1312.9
15°	1289.4	1278.3	1292.1	1354.3	1395.8	1423.4	1433.1	1409.6	1412.4	1370.9	1354.3
17.5°	1234.1	1217.5	1271.4	1332.2	1383.3	1444.1	1491.1	1484.2	1484.2	1451.1	1427.6
20°	1160.8	1188.5	1216.1	1293.5	1387.5	1478.7	1568.5	1564.4	1547.8	1538.1	1487.0
22.5°	1098.7	1111.1	1162.2	1243.8	1361.2	1488.4	1594.8	1670.8	1632.1	1593.4	1563.0
25°	1055.8	1044.8	1109.7	1194.0	1336.4	1471.8	1644.5	1723.3	1744.0	1715.0	1657.0
27.5°	995.0	995.0	1046.1	1126.3	1256.2	1463.5	1692.9	1813.1	1843.5	1800.7	1716.4
30°	925.9	934.2	978.4	1069.6	1196.8	1402.7	1712.2	1916.8	1941.7	1904.3	1817.3
32.5°	872.0	872.0	921.8	1018.5	1155.3	1375.0	1699.8	2019.0	2066.0	2038.4	1948.6
35°	814.0	809.8	845.8	952.2	1089.0	1321.2	1695.7	2100.6	2205.6	2207.0	2113.0
37.5°	731.1	747.6	793.2	877.5	1036.5	1268.6	1683.2	2198.7	2386.6	2418.4	2353.5
40°	675.8	682.7	724.1	816.7	954.9	1206.4	1665.3	2278.8	2506.9	2616.0	2526.2
42.5°	595.6	605.3	637.1	751.8	876.2	1118.0	1586.5	2335.5	2678.2	2802.6	2726.6
45°	511.3	516.9	563.8	657.8	791.9	1013.0	1502.2	2426.7	2844.1	3098.4	3054.1
47.5°	410.4	413.2	453.3	551.4	691.0	907.9	1372.3	2422.6	2978.1	3394.1	3518.5
50°	320.6	327.5	357.9	438.1	569.4	779.4	1221.7	2389.4	3146.7	3731.3	3975.9
52.5°	255.7	257.0	276.4	340.0	439.5	650.9	1060.0	2284.4	3305.6	4061.6	4537.0
55°	211.4	211.4	222.5	261.2	337.2	494.7	870.6	2110.3	3325.0	4426.4	5149.2
56°	203.1	200.4	210.1	243.2	304.0	446.4	782.2	1992.8	3352.6	4595.0	5456.0
57°	192.1	193.5	199.0	222.5	273.6	395.2	684.1	1878.1	3333.3	4733.2	5682.6
58°	186.6	183.8	194.9	210.1	241.8	351.0	616.4	1742.6	3302.9	4846.5	6012.9
59°	178.3	176.9	183.8	197.6	225.3	312.3	533.4	1596.2	3243.5	4993.0	6258.9
60°	175.5	174.1	176.9	187.9	207.3	273.6	469.9	1424.8	3084.5	5143.7	6564.3
61°	167.2	168.6	174.1	181.0	196.2	246.0	422.9	1249.3	2980.9	5270.8	6901.5
62°	168.6	165.8	168.6	174.1	185.2	226.6	370.4	1076.5	2795.7	5414.5	7154.4
63°	160.3	158.9	163.1	170.0	175.5	204.5	323.4	930.1	2585.6	5447.7	7368.6
64°	157.5	156.2	157.5	167.2	168.6	192.1	286.1	794.6	2281.6	5504.3	7643.6
65°	150.6	150.6	153.4	157.5	163.1	181.0	255.7	689.6	1979.0	5355.1	7727.9
66°	145.1	146.5	146.5	153.4	157.5	168.6	234.9	586.0	1688.8	5117.4	7809.4
67°	141.0	141.0	142.3	147.9	152.0	158.9	211.4	507.2	1424.8	4834.1	7683.7
67.5°	138.2	139.6	139.6	145.1	149.3	158.9	201.8	480.9	1274.2	4523.2	7589.7
68°	134.0	135.4	135.4	141.0	145.1	153.4	194.9	439.5	1174.7	4321.4	7415.6
69°	131.3	129.9	129.9	135.4	141.0	146.5	181.0	384.2	934.2	3757.5	7161.3
70°	123.0	123.0	125.8	129.9	134.0	139.6	167.2	338.6	790.5	3110.8	6506.3
71°	118.8	117.5	118.8	123.0	127.1	134.0	153.4	299.9	646.8	2582.9	5862.3
72°	110.6	113.3	113.3	117.5	121.6	125.8	143.7	261.2	543.1	2064.6	5153.3
72.5°	109.2	109.2	110.6	114.7	117.5	124.4	138.2	250.1	496.1	1820.0	4856.2
73°	105.0	105.0	106.4	110.6	113.3	120.2	134.0	225.3	451.9	1619.7	4300.7
74°	100.9	99.5	99.5	105.0	106.4	113.3	125.8	199.0	378.7	1220.3	3452.1
75°	94.0	94.0	95.4	98.1	99.5	105.0	116.1	176.9	319.2	946.6	2700.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	77.4	78.8	80.2	82.9	82.9	87.1	95.4	123.0	194.9	479.5	1239.6
80°	56.7	59.4	63.6	67.7	66.3	66.3	74.6	88.4	116.1	215.6	475.4
82.5°	45.6	48.4	44.2	49.8	49.8	47.0	53.9	65.0	78.8	106.4	170.0
85°	30.4	31.8	26.3	30.4	29.0	29.0	35.9	38.7	48.4	59.4	84.3
87.5°	13.8	13.8	11.1	12.4	12.4	12.4	18.0	13.8	20.7	29.0	49.8
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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4
2.5°	1180.2	1185.7	1185.7	1180.2	1176.0	1180.2	1177.4	1170.5	1177.4	1180.2	1181.6
5°	1196.8	1185.7	1191.2	1178.8	1187.1	1185.7	1183.0	1189.9	1191.2	1191.2	1200.9
7.5°	1214.7	1228.6	1210.6	1212.0	1216.1	1199.5	1205.1	1207.8	1202.3	1213.4	1221.7
10°	1246.5	1252.1	1246.5	1225.8	1239.6	1228.6	1224.4	1236.9	1234.1	1236.9	1249.3
12.5°	1275.5	1285.2	1270.0	1268.6	1261.7	1252.1	1257.6	1256.2	1275.5	1278.3	1293.5
15°	1335.0	1310.1	1304.6	1303.2	1300.4	1296.3	1299.0	1300.4	1325.3	1329.4	1365.4
17.5°	1386.1	1382.0	1351.6	1362.6	1362.6	1346.0	1339.1	1362.6	1382.0	1402.7	1427.6
20°	1438.6	1434.5	1401.3	1402.7	1390.3	1405.5	1397.2	1419.3	1452.4	1459.3	1481.5
22.5°	1500.8	1482.8	1459.3	1462.1	1466.3	1455.2	1449.7	1480.1	1513.2	1532.6	1534.0
25°	1598.9	1553.3	1534.0	1536.7	1531.2	1522.9	1527.1	1565.8	1582.3	1623.8	1615.5
27.5°	1651.4	1625.2	1611.4	1579.6	1581.0	1568.5	1585.1	1643.1	1676.3	1708.1	1644.5
30°	1715.0	1698.4	1637.6	1626.6	1625.2	1619.7	1650.1	1724.7	1774.4	1792.4	1701.2
32.5°	1839.4	1773.1	1757.9	1748.2	1726.1	1733.0	1748.2	1846.3	1925.1	1920.9	1753.7
35°	1981.7	1936.1	1893.3	1885.0	1882.2	1862.9	1889.1	2003.8	2064.6	2046.7	1773.1
37.5°	2209.8	2140.7	2082.6	2050.8	2045.3	2031.5	2093.7	2184.9	2263.6	2193.2	1788.3
40°	2321.7	2244.3	2190.4	2171.1	2175.2	2194.6	2255.4	2394.9	2429.5	2299.6	1800.7
42.5°	2482.0	2397.7	2291.3	2281.6	2269.2	2278.8	2396.3	2584.3	2613.3	2443.3	1753.7
45°	2766.7	2639.5	2516.5	2461.3	2464.0	2490.3	2672.7	2878.6	2824.7	2542.8	1679.1
47.5°	3126.0	2939.4	2839.9	2765.3	2801.2	2772.2	3062.4	3226.9	3043.1	2668.6	1587.9
50°	3666.3	3405.1	3269.7	3179.9	3195.1	3220.0	3514.3	3653.9	3284.9	2729.4	1448.3
52.5°	4347.6	4011.8	3812.8	3692.6	3703.6	3757.5	4137.6	4094.7	3561.3	2780.5	1261.7
55°	5163.0	4817.5	4431.9	4382.2	4369.8	4498.3	4917.0	4556.3	3810.1	2699.0	1068.3
56°	5594.2	5226.6	4825.8	4723.5	4693.1	4783.0	5274.9	4787.1	3895.7	2607.8	975.7
57°	5960.4	5609.4	5169.9	4995.8	5034.5	5203.1	5630.1	5004.1	3974.5	2513.8	888.6
58°	6463.4	6062.7	5598.3	5465.6	5431.1	5565.1	6012.9	5222.4	4000.8	2417.0	808.4
59°	6965.1	6484.2	6065.4	5823.6	5833.2	6077.9	6390.2	5482.2	4040.8	2294.1	706.2
60°	7346.5	7104.6	6545.0	6363.9	6339.0	6692.8	6766.1	5656.4	4083.7	2128.2	634.3
61°	7886.8	7571.8	7050.8	6817.2	6884.9	7168.2	7172.4	5874.7	4020.1	1918.2	545.9
62°	8275.2	8192.3	7645.0	7422.5	7401.8	7777.7	7595.2	6066.8	3964.8	1719.2	482.3
63°	8729.8	8729.8	8230.9	8056.8	8066.5	8363.6	7779.0	6258.9	3901.3	1499.4	424.3
64°	8966.1	9263.3	8803.1	8558.5	8622.0	8879.1	8106.6	6384.6	3705.0	1276.9	373.1
65°	9170.7	9617.1	9361.4	9248.1	9151.3	9303.3	8389.9	6502.1	3405.1	1086.2	331.7
66°	9343.4	9950.1	9865.8	9744.2	9734.5	9700.0	8445.1	6498.0	3095.6	917.6	290.2
67°	9256.4	9957.0	10110.4	10161.5	10146.3	9781.5	8348.4	6350.1	2699.0	775.3	258.4
67.5°	9177.6	9900.4	10256.9	10227.9	10291.4	9850.6	8365.0	6169.1	2417.0	702.0	243.2
68°	9108.5	9824.3	10316.3	10353.6	10321.8	9858.9	8273.8	6025.3	2225.0	659.2	229.4
69°	8584.7	9463.7	10221.0	10355.0	10273.5	9542.4	7983.6	5650.8	1767.5	562.5	211.4
70°	8059.6	8996.6	9758.0	10004.0	9903.1	8930.2	7617.4	5055.2	1458.0	480.9	190.7
71°	7332.7	8128.7	9141.7	9289.5	9167.9	8233.7	6860.0	4426.4	1134.6	407.7	170.0
72°	6346.0	7021.7	7989.1	8347.0	8167.4	7231.8	6094.4	3658.0	919.0	342.7	154.8
72.5°	5856.7	6549.1	7481.9	7510.9	7545.5	6796.5	5769.7	3213.1	801.5	317.9	150.6
73°	5392.4	6070.9	6878.0	6980.3	6833.8	6062.7	5284.6	2873.1	732.4	290.2	145.1
74°	4369.8	4756.7	5425.6	5525.1	5396.5	4943.3	4318.6	2202.8	583.2	250.1	132.7
75°	3438.3	3651.1	4256.4	4195.6	4003.5	3844.6	3348.5	1683.2	472.6	219.7	123.0



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1545.0	1673.6	1774.4	1774.4	1785.5	1704.0	1543.6	772.5	291.6	158.9	100.9
80°	588.7	659.2	681.3	682.7	692.4	717.2	667.5	380.0	172.7	113.3	81.5
82.5°	427.0	597.0	642.6	609.4	612.2	552.8	255.7	168.6	109.2	78.8	59.4
85°	386.9	519.6	550.0	545.9	547.3	511.3	150.6	82.9	63.6	49.8	41.5
87.5°	187.9	183.8	194.9	219.7	214.2	277.8	127.1	41.5	27.6	20.7	20.7
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°	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4
2.5°	1170.5	1169.1	1188.5	1169.1	1180.2	1171.9
5°	1184.3	1189.9	1194.0	1202.3	1183.0	1202.3
7.5°	1225.8	1231.3	1232.7	1239.6	1231.3	1229.9
10°	1257.6	1271.4	1279.7	1252.1	1268.6	1267.3
12.5°	1319.8	1306.0	1304.6	1299.0	1283.8	1278.3
15°	1364.0	1343.3	1330.8	1308.7	1290.7	1283.8
17.5°	1426.2	1386.1	1335.0	1289.4	1257.6	1232.7
20°	1464.9	1393.0	1290.7	1236.9	1188.5	1199.5
22.5°	1489.8	1386.1	1250.7	1181.6	1133.2	1147.0
25°	1498.0	1351.6	1223.0	1137.4	1090.4	1080.7
27.5°	1474.5	1311.5	1169.1	1072.4	1030.9	1039.2
30°	1463.5	1253.4	1119.4	1024.0	968.8	977.0
32.5°	1434.5	1194.0	1053.1	956.3	916.2	902.4
35°	1393.0	1144.3	989.5	898.3	849.9	838.8
37.5°	1341.9	1082.1	934.2	823.6	780.8	772.5
40°	1265.9	1007.4	854.1	758.7	708.9	707.6
42.5°	1199.5	935.6	779.4	681.3	631.6	634.3
45°	1115.2	838.8	693.7	609.4	559.7	562.5
47.5°	1007.4	749.0	612.2	518.2	476.8	474.0
50°	880.3	646.8	512.7	432.6	398.0	391.1
52.5°	758.7	543.1	420.1	348.3	319.2	316.5
55°	605.3	422.9	327.5	273.6	251.5	252.9
56°	550.0	389.7	298.5	250.1	233.6	233.6
57°	497.5	345.5	270.9	230.8	215.6	215.6
58°	439.5	304.0	246.0	208.7	201.8	196.2
59°	399.4	276.4	222.5	197.6	186.6	185.2
60°	352.4	248.8	207.3	185.2	176.9	175.5
61°	312.3	223.9	190.7	172.7	170.0	170.0
62°	279.2	207.3	176.9	167.2	165.8	161.7
63°	250.1	190.7	170.0	158.9	154.8	158.9
64°	223.9	175.5	164.5	156.2	150.6	153.4
65°	203.1	168.6	157.5	152.0	146.5	147.9
66°	189.3	157.5	152.0	145.1	142.3	143.7
67°	171.4	152.0	146.5	139.6	138.2	139.6
67.5°	165.8	147.9	143.7	136.8	135.4	136.8
68°	161.7	145.1	142.3	135.4	134.0	132.7
69°	150.6	139.6	135.4	132.7	129.9	128.5
70°	141.0	134.0	131.3	127.1	124.4	123.0
71°	135.4	127.1	125.8	121.6	118.8	117.5
72°	128.5	123.0	120.2	114.7	113.3	114.7
72.5°	127.1	120.2	118.8	113.3	111.9	111.9
73°	123.0	114.7	116.1	110.6	107.8	110.6
74°	114.7	111.9	109.2	105.0	103.6	103.6
75°	107.8	105.0	102.3	99.5	99.5	99.5



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	91.2	89.8	91.2	85.7	84.3	82.9
80°	73.2	73.2	74.6	70.5	67.7	66.3
82.5°	55.3	56.7	59.4	55.3	52.5	49.8
85°	35.9	37.3	37.3	33.2	38.7	35.9
87.5°	18.0	19.3	18.0	16.6	19.3	19.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)