

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: P676193

Luminaire Tested: **CCW-SA-2C-835-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676193
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-835-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

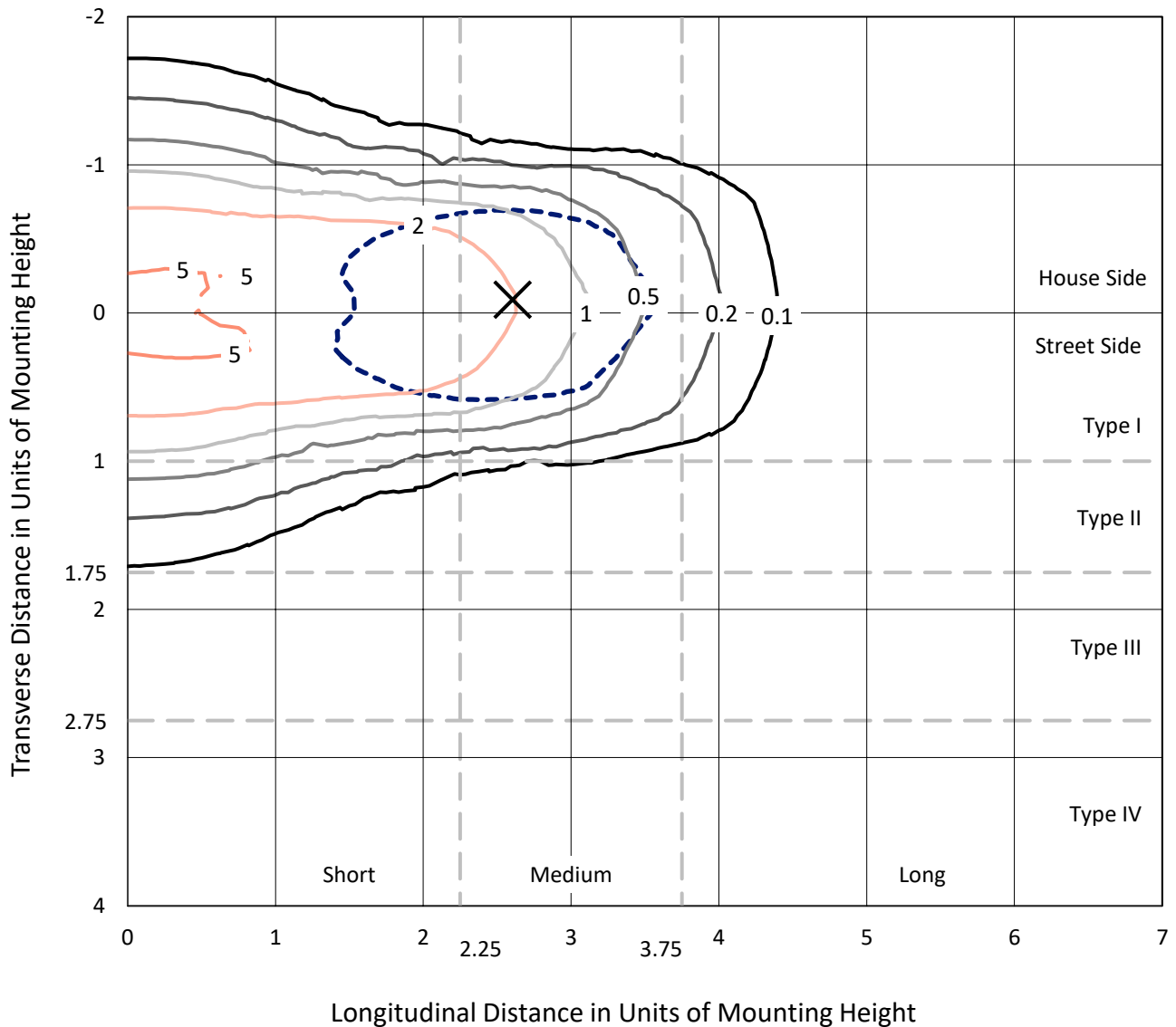
Lumens per Lamp: N/A
Luminaire Lumens: 7254.9 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

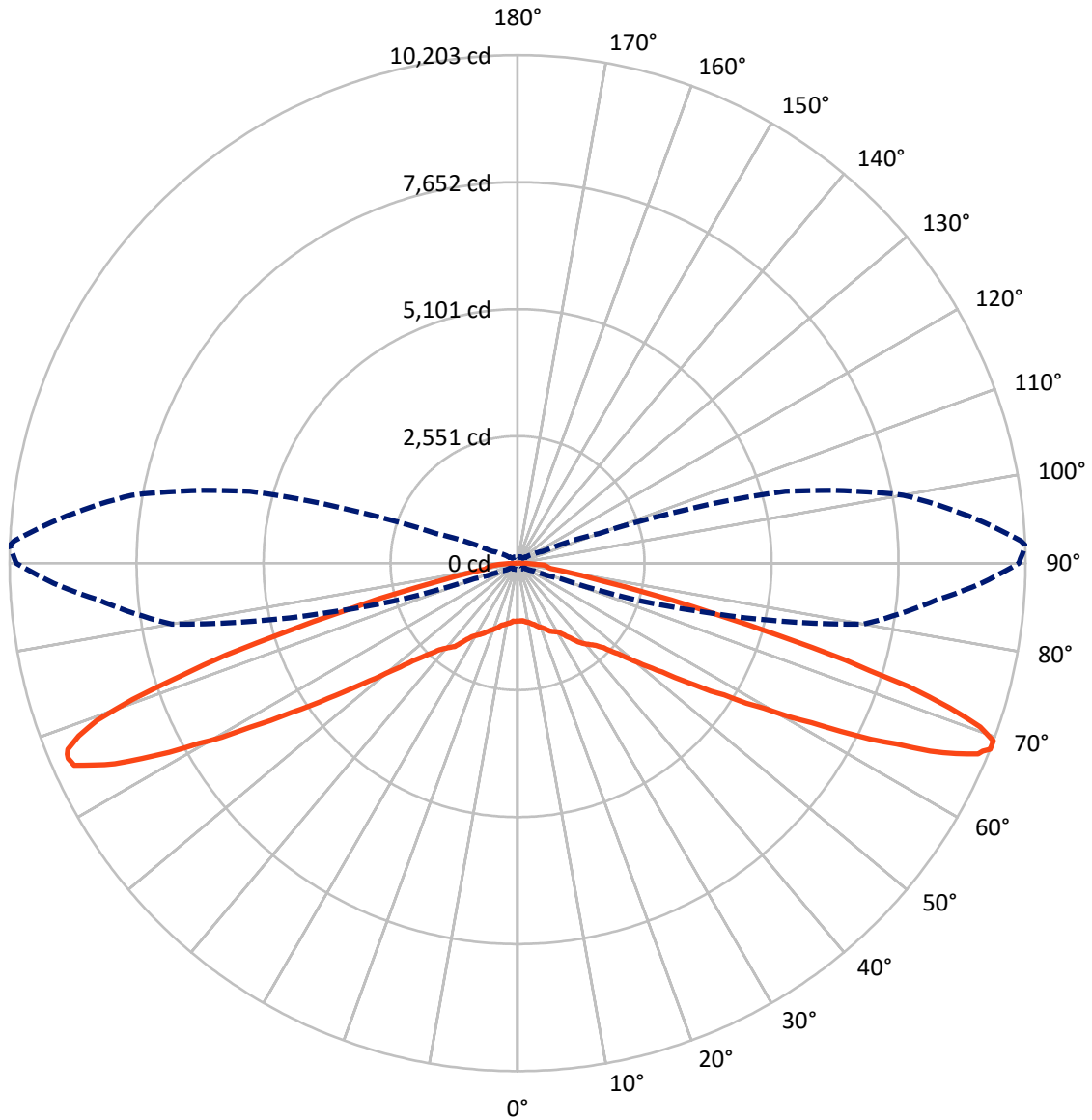
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 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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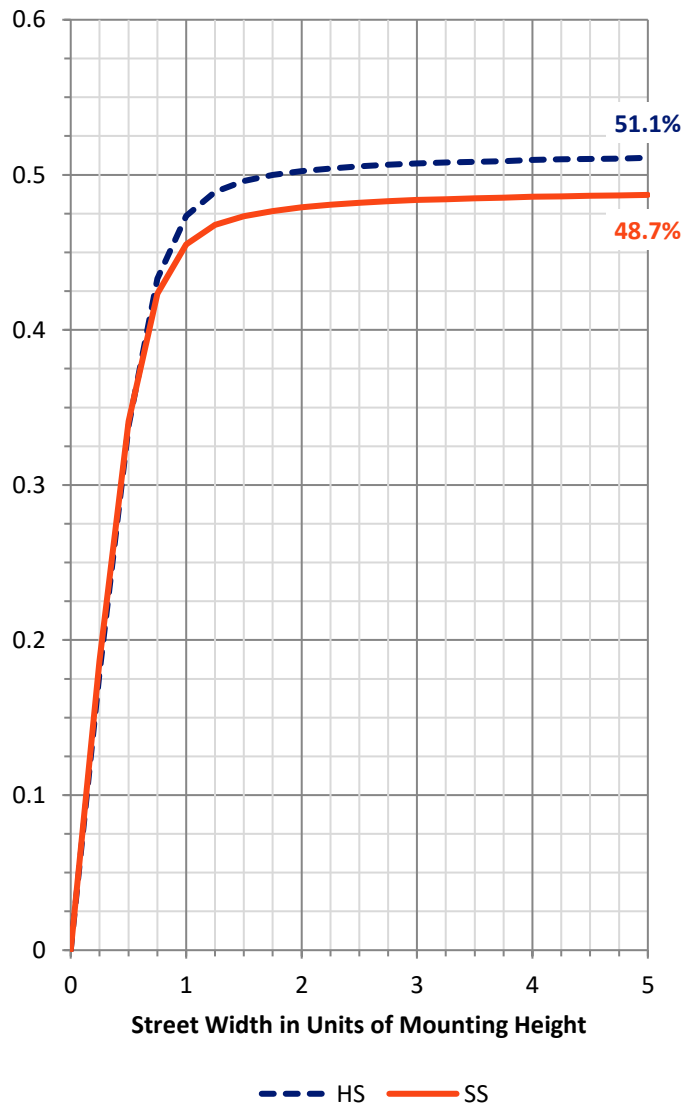
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3736.1	0.0	3736.1
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3518.7	0.0	3518.7
	% Fixture	48.5	0.0	48.5
Total	Lumens	7254.9	0.0	7254.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	1.6
10°-20°	376.3	5.2
20°-30°	642.3	8.9
30°-40°	896.8	12.4
40°-50°	1140.7	15.7
50°-60°	1442.4	19.9
60°-70°	1778.8	24.5
70°-80°	777.0	10.7
80°-90°	84.3	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°	7254.9	100.0
0°-180°	7254.9	100.0



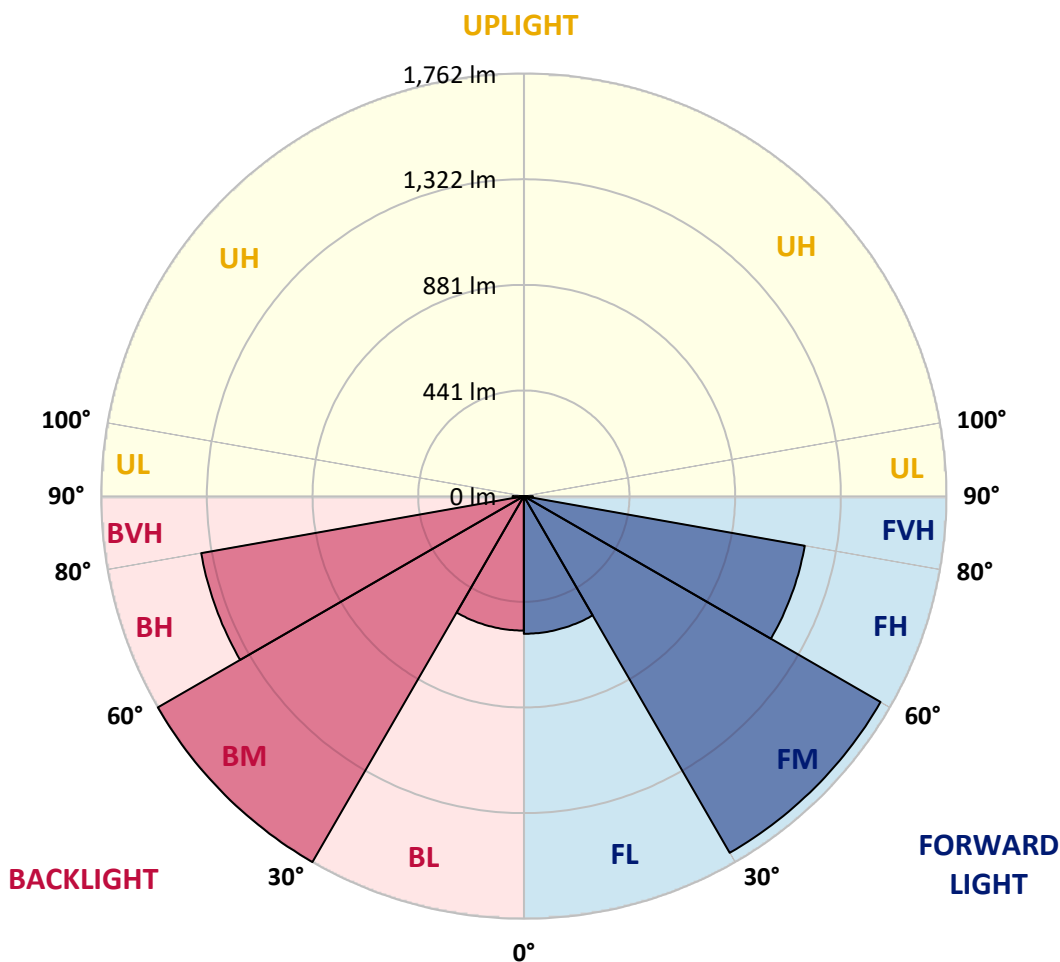
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.2	7.9			
FM (30°-60°)	1717.5	23.7			
FH (60°-80°)	1189.7	16.4			G1/1800
FVH (80°-90°)	37.4	0.5			G1/100
BL (0°-30°)	560.7	7.7	B2/1000		
BM (30°-60°)	1762.4	24.3	B2/2500		
BH (60°-80°)	1366.2	18.8	B3/2500		G3/2500
BVH (80°-90°)	46.9	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°	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1
2.5°	1184.6	1183.3	1187.3	1190.1	1177.8	1181.9	1179.2	1176.5	1166.9	1162.8	1154.7
5°	1217.3	1221.4	1235.0	1222.7	1228.2	1221.4	1199.6	1206.4	1194.2	1191.4	1183.3
7.5°	1274.5	1266.3	1285.4	1271.8	1275.9	1262.2	1252.7	1240.4	1237.7	1218.7	1220.0
10°	1286.7	1303.1	1311.3	1308.5	1311.3	1318.1	1300.4	1281.3	1255.4	1250.0	1230.9
12.5°	1278.6	1293.6	1315.3	1333.0	1345.3	1348.0	1341.2	1337.1	1326.2	1294.9	1293.6
15°	1270.4	1259.5	1273.1	1334.4	1375.2	1402.5	1412.0	1388.9	1391.6	1350.7	1334.4
17.5°	1215.9	1199.6	1252.7	1312.6	1363.0	1422.9	1469.2	1462.4	1462.4	1429.7	1406.6
20°	1143.8	1171.0	1198.2	1274.5	1367.1	1456.9	1545.5	1541.4	1525.0	1515.5	1465.1
22.5°	1082.5	1094.8	1145.1	1225.5	1341.2	1466.5	1571.3	1646.2	1608.1	1570.0	1540.0
25°	1040.3	1029.4	1093.4	1176.5	1316.7	1450.1	1620.3	1698.0	1718.4	1689.8	1632.6
27.5°	980.4	980.4	1030.8	1109.7	1237.7	1442.0	1668.0	1786.5	1816.4	1774.2	1691.1
30°	912.3	920.5	964.0	1053.9	1179.2	1382.1	1687.1	1888.6	1913.1	1876.3	1790.5
32.5°	859.2	859.2	908.2	1003.5	1138.3	1354.8	1674.8	1989.3	2035.6	2008.4	1919.9
35°	802.0	797.9	833.3	938.2	1073.0	1301.7	1670.7	2069.7	2173.2	2174.5	2081.9
37.5°	720.3	736.6	781.6	864.6	1021.2	1250.0	1658.5	2166.4	2351.5	2382.9	2318.9
40°	665.8	672.6	713.5	804.7	940.9	1188.7	1640.8	2245.3	2470.0	2577.6	2489.1
42.5°	586.9	596.4	627.7	740.7	863.3	1101.6	1563.2	2301.2	2638.8	2761.4	2686.5
45°	503.8	509.3	555.5	648.1	780.2	998.1	1480.1	2391.0	2802.2	3052.8	3009.2
47.5°	404.4	407.1	446.6	543.3	680.8	894.6	1352.1	2386.9	2934.3	3344.2	3466.7
50°	315.9	322.7	352.7	431.6	561.0	768.0	1203.7	2354.3	3100.4	3676.4	3917.4
52.5°	251.9	253.3	272.3	335.0	433.0	641.3	1044.4	2250.8	3257.0	4001.8	4470.2
55°	208.3	208.3	219.2	257.3	332.2	487.5	857.8	2079.2	3276.1	4361.3	5073.4
56°	200.2	197.4	207.0	239.6	299.6	439.8	770.7	1963.5	3303.3	4527.4	5375.7
57°	189.3	190.6	196.1	219.2	269.6	389.4	674.0	1850.5	3284.3	4663.6	5599.0
58°	183.8	181.1	192.0	207.0	238.3	345.9	607.3	1717.0	3254.3	4775.2	5924.5
59°	175.7	174.3	181.1	194.7	221.9	307.7	525.6	1572.7	3195.8	4919.6	6166.8
60°	172.9	171.6	174.3	185.2	204.2	269.6	463.0	1403.8	3039.2	5068.0	6467.8
61°	164.8	166.1	171.6	178.4	193.4	242.4	416.7	1230.9	2937.0	5193.3	6800.0
62°	166.1	163.4	166.1	171.6	182.5	223.3	364.9	1060.7	2754.6	5334.9	7049.2
63°	157.9	156.6	160.7	167.5	172.9	201.5	318.6	916.4	2547.6	5367.6	7260.2
64°	155.2	153.9	155.2	164.8	166.1	189.3	281.9	782.9	2248.1	5423.4	7531.2
65°	148.4	148.4	151.1	155.2	160.7	178.4	251.9	679.5	1949.9	5276.3	7614.3
66°	143.0	144.3	144.3	151.1	155.2	166.1	231.5	577.3	1663.9	5042.1	7694.6
67°	138.9	138.9	140.2	145.7	149.8	156.6	208.3	499.7	1403.8	4763.0	7570.7
67.5°	136.2	137.5	137.5	143.0	147.1	156.6	198.8	473.8	1255.4	4456.6	7478.1
68°	132.1	133.4	133.4	138.9	143.0	151.1	192.0	433.0	1157.4	4257.8	7306.5
69°	129.4	128.0	128.0	133.4	138.9	144.3	178.4	378.5	920.5	3702.3	7056.0
70°	121.2	121.2	123.9	128.0	132.1	137.5	164.8	333.6	778.9	3065.0	6410.6
71°	117.1	115.7	117.1	121.2	125.3	132.1	151.1	295.5	637.2	2544.9	5776.0
72°	108.9	111.7	111.7	115.7	119.8	123.9	141.6	257.3	535.1	2034.3	5077.5
72.5°	107.6	107.6	108.9	113.0	115.7	122.5	136.2	246.5	488.8	1793.3	4784.8
73°	103.5	103.5	104.8	108.9	111.7	118.5	132.1	221.9	445.3	1595.8	4237.4
74°	99.4	98.0	98.0	103.5	104.8	111.7	123.9	196.1	373.1	1202.3	3401.4
75°	92.6	92.6	94.0	96.7	98.0	103.5	114.4	174.3	314.5	932.7	2660.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	76.3	77.6	79.0	81.7	81.7	85.8	94.0	121.2	192.0	472.5	1221.4
80°	55.8	58.6	62.6	66.7	65.4	65.4	73.5	87.1	114.4	212.4	468.4
82.5°	44.9	47.7	43.6	49.0	49.0	46.3	53.1	64.0	77.6	104.8	167.5
85°	30.0	31.3	25.9	30.0	28.6	28.6	35.4	38.1	47.7	58.6	83.1
87.5°	13.6	13.6	10.9	12.3	12.3	12.3	17.7	13.6	20.4	28.6	49.0
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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1
2.5°	1162.8	1168.3	1168.3	1162.8	1158.7	1162.8	1160.1	1153.3	1160.1	1162.8	1164.2
5°	1179.2	1168.3	1173.7	1161.5	1169.6	1168.3	1165.6	1172.4	1173.7	1173.7	1183.3
7.5°	1196.9	1210.5	1192.8	1194.2	1198.2	1181.9	1187.3	1190.1	1184.6	1195.5	1203.7
10°	1228.2	1233.6	1228.2	1207.8	1221.4	1210.5	1206.4	1218.7	1215.9	1218.7	1230.9
12.5°	1256.8	1266.3	1251.3	1250.0	1243.2	1233.6	1239.1	1237.7	1256.8	1259.5	1274.5
15°	1315.3	1290.8	1285.4	1284.0	1281.3	1277.2	1279.9	1281.3	1305.8	1309.9	1345.3
17.5°	1365.7	1361.6	1331.7	1342.6	1342.6	1326.2	1319.4	1342.6	1361.6	1382.1	1406.6
20°	1417.5	1413.4	1380.7	1382.1	1369.8	1384.8	1376.6	1398.4	1431.1	1437.9	1459.7
22.5°	1478.7	1461.0	1437.9	1440.6	1444.7	1433.8	1428.4	1458.3	1491.0	1510.1	1511.4
25°	1575.4	1530.5	1511.4	1514.1	1508.7	1500.5	1504.6	1542.7	1559.1	1599.9	1591.7
27.5°	1627.2	1601.3	1587.7	1556.3	1557.7	1545.5	1561.8	1619.0	1651.7	1683.0	1620.3
30°	1689.8	1673.4	1613.5	1602.6	1601.3	1595.8	1625.8	1699.3	1748.3	1766.0	1676.2
32.5°	1812.3	1747.0	1732.0	1722.5	1700.7	1707.5	1722.5	1819.1	1896.8	1892.7	1727.9
35°	1952.6	1907.6	1865.4	1857.3	1854.5	1835.5	1861.4	1974.4	2034.3	2016.6	1747.0
37.5°	2177.3	2109.2	2052.0	2020.7	2015.2	2001.6	2062.9	2152.7	2230.4	2160.9	1762.0
40°	2287.5	2211.3	2158.2	2139.1	2143.2	2162.3	2222.2	2359.7	2393.8	2265.8	1774.2
42.5°	2445.5	2362.4	2257.6	2248.1	2235.8	2245.3	2361.1	2546.3	2574.8	2407.4	1727.9
45°	2726.0	2600.7	2479.5	2425.1	2427.8	2453.7	2633.4	2836.3	2783.2	2505.4	1654.4
47.5°	3080.0	2896.2	2798.2	2724.6	2760.0	2731.4	3017.4	3179.4	2998.3	2629.3	1564.5
50°	3612.4	3355.1	3221.6	3133.1	3148.1	3172.6	3462.6	3600.2	3236.6	2689.2	1427.0
52.5°	4283.7	3952.8	3756.7	3638.3	3649.2	3702.3	4076.7	4034.5	3508.9	2739.6	1243.2
55°	5087.1	4746.7	4366.8	4317.7	4305.5	4432.1	4844.7	4489.3	3754.0	2659.3	1052.5
56°	5511.9	5149.7	4754.8	4654.1	4624.1	4712.6	5197.4	4716.7	3838.4	2569.4	961.3
57°	5872.7	5526.9	5093.9	4922.3	4960.4	5126.5	5547.3	4930.5	3916.1	2476.8	875.5
58°	6368.4	5973.5	5516.0	5385.3	5351.2	5483.3	5924.5	5145.6	3941.9	2381.5	796.6
59°	6862.6	6388.8	5976.2	5737.9	5747.5	5988.5	6296.2	5401.6	3981.4	2260.3	695.8
60°	7238.4	7000.2	6448.7	6270.3	6245.8	6594.4	6666.6	5573.2	4023.6	2096.9	625.0
61°	7770.8	7460.4	6947.1	6716.9	6783.7	7062.8	7066.9	5788.3	3961.0	1889.9	537.8
62°	8153.5	8071.8	7532.6	7313.3	7292.9	7663.3	7483.5	5977.6	3906.5	1693.9	475.2
63°	8601.4	8601.4	8109.9	7938.3	7947.9	8240.6	7664.6	6166.8	3843.9	1477.4	418.0
64°	8834.3	9127.0	8673.6	8432.6	8495.2	8748.5	7987.3	6290.7	3650.5	1258.1	367.6
65°	9035.8	9475.6	9223.7	9112.1	9016.7	9166.5	8266.5	6406.5	3355.1	1070.2	326.8
66°	9206.0	9803.8	9720.7	9600.9	9591.3	9557.3	8320.9	6402.4	3050.1	904.1	285.9
67°	9120.2	9810.6	9961.7	10012.1	9997.1	9637.6	8225.6	6256.7	2659.3	763.9	254.6
67.5°	9042.6	9754.7	10106.0	10077.4	10140.1	9705.7	8242.0	6078.3	2381.5	691.7	239.6
68°	8974.5	9679.9	10164.6	10201.4	10170.0	9713.9	8152.1	5936.7	2192.2	649.5	226.0
69°	8458.5	9324.5	10070.6	10202.7	10122.4	9402.1	7866.2	5567.7	1741.5	554.2	208.3
70°	7941.0	8864.2	9614.5	9856.9	9757.5	8798.9	7505.3	4980.9	1436.5	473.8	187.9
71°	7224.8	8009.1	9007.2	9152.9	9033.1	8112.6	6759.1	4361.3	1117.9	401.7	167.5
72°	6252.6	6918.5	7871.6	8224.3	8047.3	7125.4	6004.8	3604.2	905.5	337.7	152.5
72.5°	5770.6	6452.8	7371.9	7400.5	7434.5	6696.5	5684.8	3165.8	789.7	313.2	148.4
73°	5313.1	5981.7	6776.8	6877.6	6733.3	5973.5	5206.9	2830.8	721.7	285.9	143.0
74°	4305.5	4686.7	5345.8	5443.8	5317.2	4870.6	4255.1	2170.4	574.6	246.5	130.7
75°	3387.7	3597.4	4193.8	4133.9	3944.7	3788.1	3299.2	1658.5	465.7	216.5	121.2



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1522.3	1648.9	1748.3	1748.3	1759.2	1678.9	1520.9	761.2	287.3	156.6	99.4
80°	580.1	649.5	671.3	672.6	682.2	706.7	657.7	374.4	170.2	111.7	80.3
82.5°	420.7	588.2	633.2	600.5	603.2	544.7	251.9	166.1	107.6	77.6	58.6
85°	381.3	512.0	541.9	537.8	539.2	503.8	148.4	81.7	62.6	49.0	40.8
87.5°	185.2	181.1	192.0	216.5	211.1	273.7	125.3	40.8	27.2	20.4	20.4
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°	1160.1	1160.1	1160.1	1160.1	1160.1	1160.1
2.5°	1153.3	1151.9	1171.0	1151.9	1162.8	1154.7
5°	1166.9	1172.4	1176.5	1184.6	1165.6	1184.6
7.5°	1207.8	1213.2	1214.6	1221.4	1213.2	1211.9
10°	1239.1	1252.7	1260.9	1233.6	1250.0	1248.6
12.5°	1300.4	1286.7	1285.4	1279.9	1265.0	1259.5
15°	1343.9	1323.5	1311.3	1289.5	1271.8	1265.0
17.5°	1405.2	1365.7	1315.3	1270.4	1239.1	1214.6
20°	1443.3	1372.5	1271.8	1218.7	1171.0	1181.9
22.5°	1467.8	1365.7	1232.3	1164.2	1116.5	1130.2
25°	1476.0	1331.7	1205.0	1120.6	1074.3	1064.8
27.5°	1452.9	1292.2	1151.9	1056.6	1015.8	1023.9
30°	1442.0	1235.0	1102.9	1009.0	954.5	962.7
32.5°	1413.4	1176.5	1037.6	942.3	902.8	889.1
35°	1372.5	1127.4	974.9	885.1	837.4	826.5
37.5°	1322.1	1066.2	920.5	811.5	769.3	761.2
40°	1247.3	992.6	841.5	747.5	698.5	697.2
42.5°	1181.9	921.8	768.0	671.3	622.3	625.0
45°	1098.8	826.5	683.5	600.5	551.5	554.2
47.5°	992.6	738.0	603.2	510.6	469.8	467.0
50°	867.4	637.2	505.2	426.2	392.2	385.3
52.5°	747.5	535.1	413.9	343.1	314.5	311.8
55°	596.4	416.7	322.7	269.6	247.8	249.2
56°	541.9	384.0	294.1	246.5	230.1	230.1
57°	490.2	340.4	266.9	227.4	212.4	212.4
58°	433.0	299.6	242.4	205.6	198.8	193.4
59°	393.5	272.3	219.2	194.7	183.8	182.5
60°	347.2	245.1	204.2	182.5	174.3	172.9
61°	307.7	220.6	187.9	170.2	167.5	167.5
62°	275.0	204.2	174.3	164.8	163.4	159.3
63°	246.5	187.9	167.5	156.6	152.5	156.6
64°	220.6	172.9	162.0	153.9	148.4	151.1
65°	200.2	166.1	155.2	149.8	144.3	145.7
66°	186.5	155.2	149.8	143.0	140.2	141.6
67°	168.8	149.8	144.3	137.5	136.2	137.5
67.5°	163.4	145.7	141.6	134.8	133.4	134.8
68°	159.3	143.0	140.2	133.4	132.1	130.7
69°	148.4	137.5	133.4	130.7	128.0	126.6
70°	138.9	132.1	129.4	125.3	122.5	121.2
71°	133.4	125.3	123.9	119.8	117.1	115.7
72°	126.6	121.2	118.5	113.0	111.7	113.0
72.5°	125.3	118.5	117.1	111.7	110.3	110.3
73°	121.2	113.0	114.4	108.9	106.2	108.9
74°	113.0	110.3	107.6	103.5	102.1	102.1
75°	106.2	103.5	100.8	98.0	98.0	98.0



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	89.9	88.5	89.9	84.4	83.1	81.7
80°	72.2	72.2	73.5	69.4	66.7	65.4
82.5°	54.5	55.8	58.6	54.5	51.7	49.0
85°	35.4	36.8	36.8	32.7	38.1	35.4
87.5°	17.7	19.1	17.7	16.3	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)