

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: P676135

Luminaire Tested: **CCW-SA-1F-740-U-T1**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676135  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-740-U-T1  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/  
T1 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

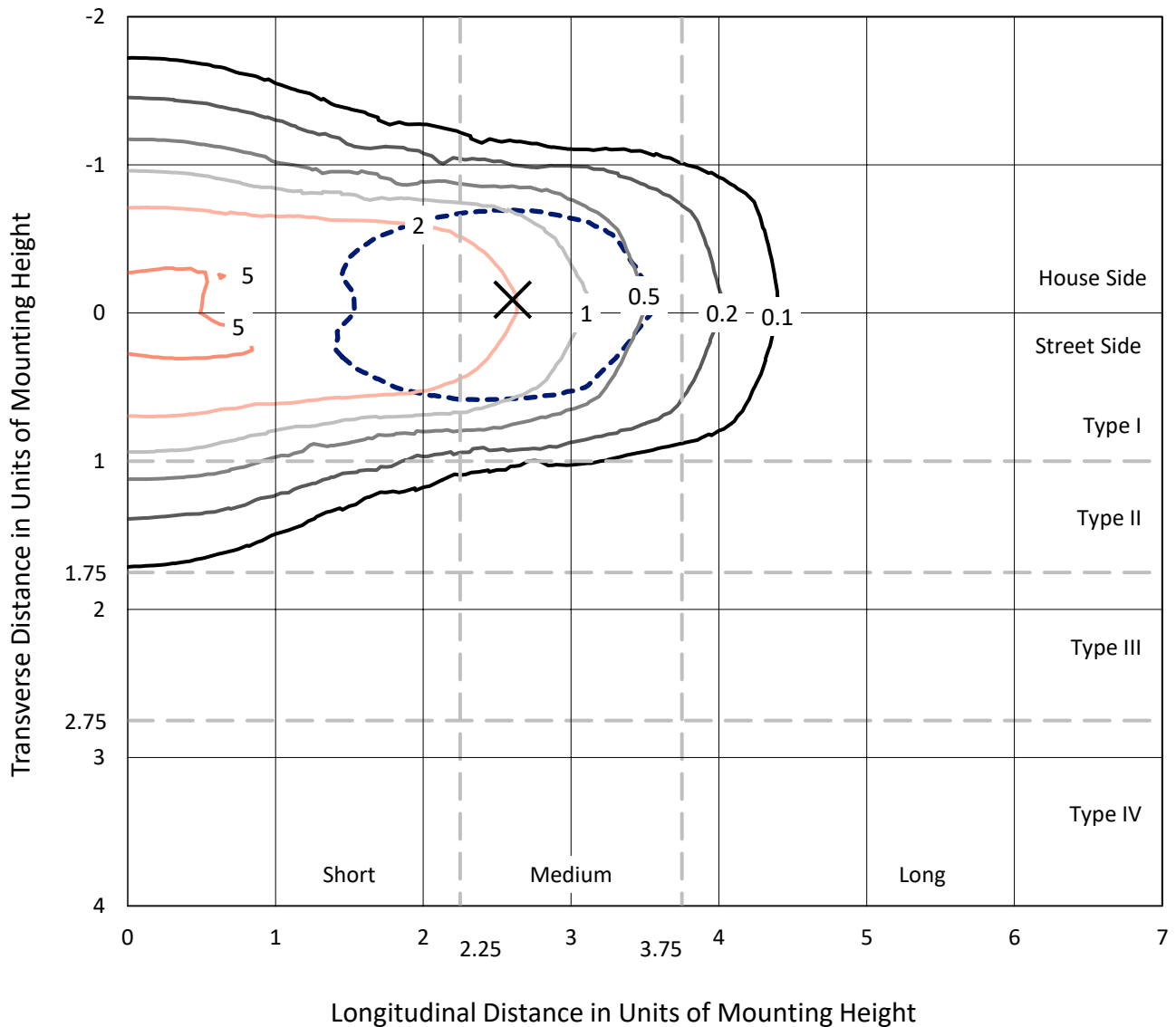
Lumens per Lamp: N/A  
Luminaire Lumens: 7301.1 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 67  
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

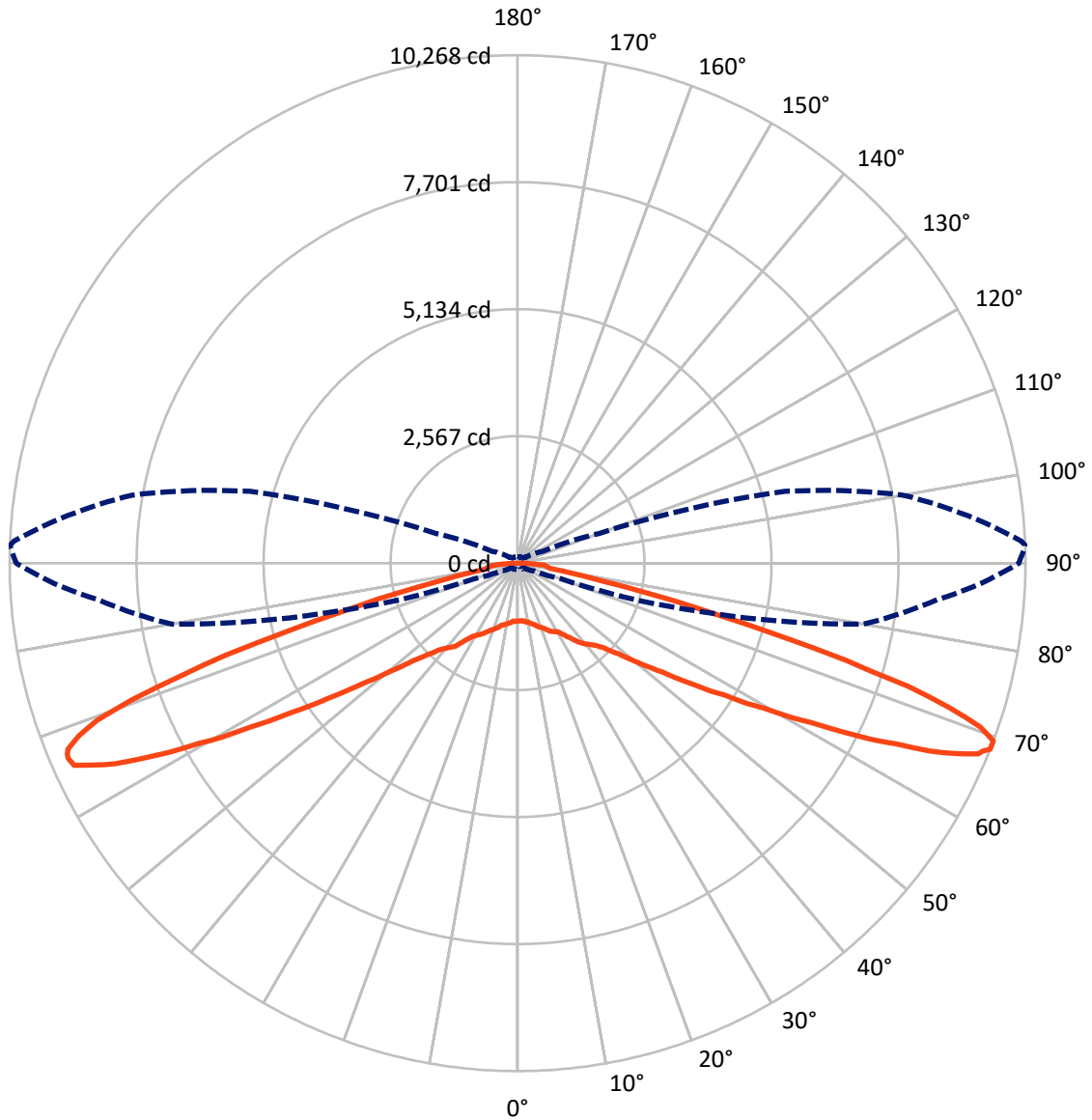
× Max cd  
 - - - 1/2 Max cd



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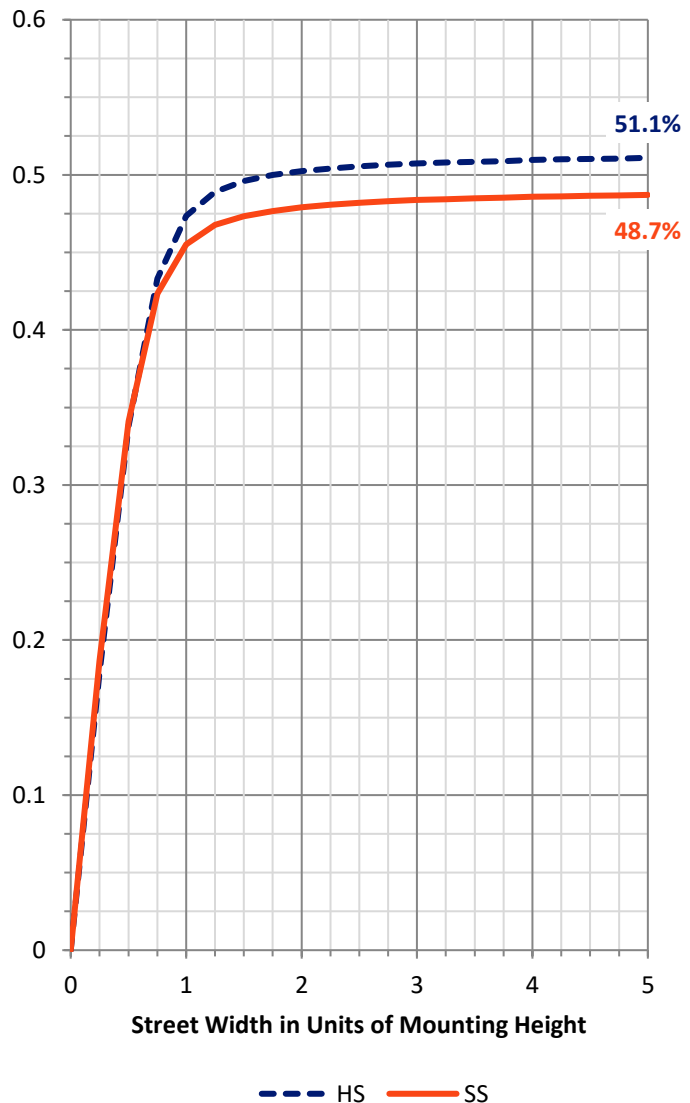
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3759.9	0.0	3759.9
	% Fixture	51.5	0.0	51.5
<b>Street Side</b>	Lumens	3541.1	0.0	3541.1
	% Fixture	48.5	0.0	48.5
<b>Total</b>	Lumens	7301.1	0.0	7301.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.9	1.6
10°-20°	378.7	5.2
20°-30°	646.4	8.9
30°-40°	902.5	12.4
40°-50°	1148.0	15.7
50°-60°	1451.6	19.9
60°-70°	1790.2	24.5
70°-80°	782.0	10.7
80°-90°	84.8	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°	7301.1	100.0
0°-180°	7301.1	100.0



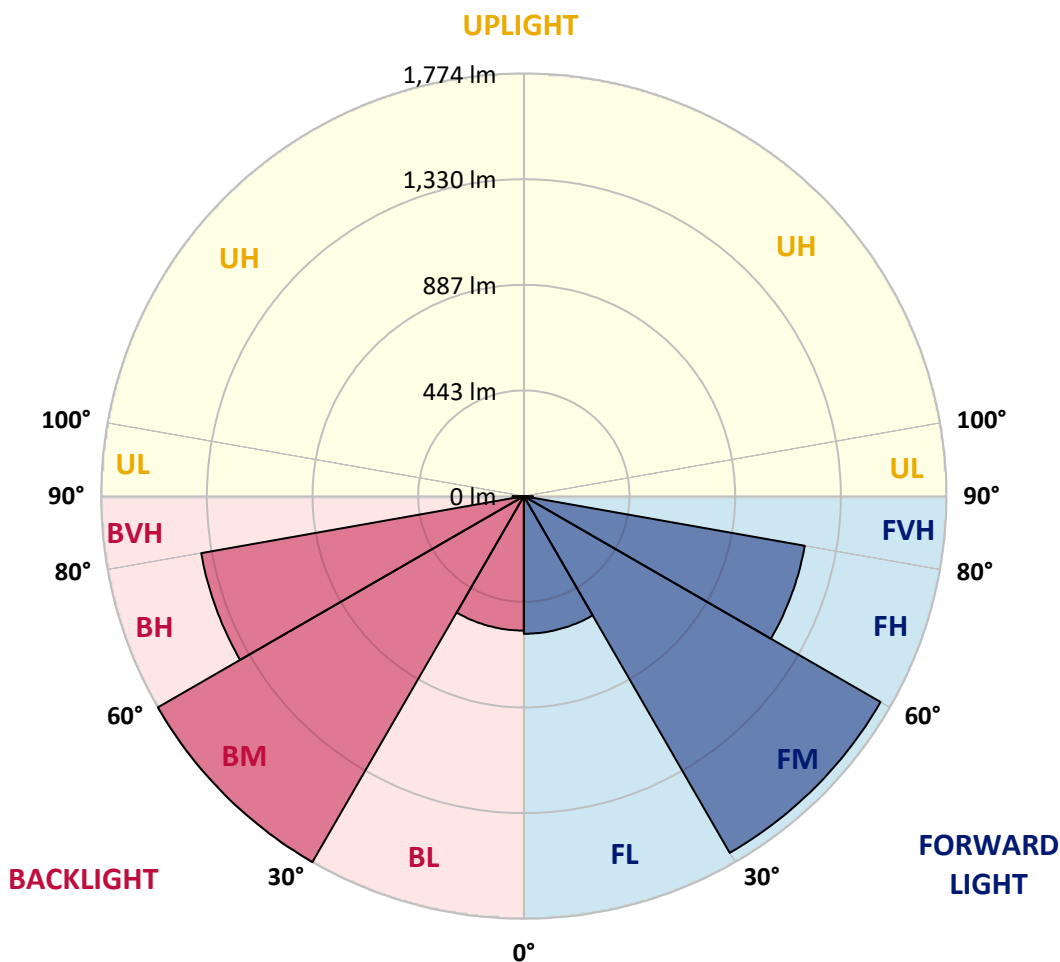
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.8	7.9			
FM (30°-60°)	1728.5	23.7			
FH (60°-80°)	1197.2	16.4			G1/1800
FVH (80°-90°)	37.6	0.5			G1/100
BL (0°-30°)	564.2	7.7	B2/1000		
BM (30°-60°)	1773.6	24.3	B2/2500		
BH (60°-80°)	1374.9	18.8	B3/2500		G3/2500
BVH (80°-90°)	47.2	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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1192.2	1190.8	1194.9	1197.6	1185.3	1189.4	1186.7	1183.9	1174.4	1170.2	1162.0
5°	1225.1	1229.2	1242.9	1230.5	1236.0	1229.2	1207.2	1214.1	1201.8	1199.0	1190.8
7.5°	1282.6	1274.4	1293.6	1279.9	1284.0	1270.3	1260.7	1248.4	1245.6	1226.4	1227.8
10°	1294.9	1311.4	1319.6	1316.9	1319.6	1326.5	1308.6	1289.5	1263.4	1257.9	1238.8
12.5°	1286.7	1301.8	1323.7	1341.5	1353.9	1356.6	1349.8	1345.6	1334.7	1303.2	1301.8
15°	1278.5	1267.5	1281.2	1342.9	1384.0	1411.4	1421.0	1397.7	1400.5	1359.3	1342.9
17.5°	1223.7	1207.2	1260.7	1321.0	1371.7	1432.0	1478.6	1471.7	1471.7	1438.8	1415.5
20°	1151.1	1178.5	1205.9	1282.6	1375.8	1466.2	1555.3	1551.2	1534.7	1525.2	1474.5
22.5°	1089.4	1101.7	1152.4	1233.3	1349.8	1475.8	1581.3	1656.7	1618.3	1580.0	1549.8
25°	1046.9	1036.0	1100.4	1183.9	1325.1	1459.4	1630.7	1708.8	1729.3	1700.6	1643.0
27.5°	986.6	986.6	1037.3	1116.8	1245.6	1451.2	1678.6	1797.8	1828.0	1785.5	1701.9
30°	918.1	926.3	970.2	1060.6	1186.7	1390.9	1697.8	1900.6	1925.3	1888.3	1802.0
32.5°	864.7	864.7	914.0	1009.9	1145.6	1363.5	1685.5	2002.0	2048.6	2021.2	1932.1
35°	807.1	803.0	838.6	944.1	1079.8	1310.0	1681.4	2082.9	2187.0	2188.4	2095.2
37.5°	724.9	741.3	786.6	870.1	1027.7	1257.9	1669.0	2180.2	2366.5	2398.0	2333.6
40°	670.1	676.9	718.0	809.9	946.9	1196.3	1651.2	2259.6	2485.7	2594.0	2504.9
42.5°	590.6	600.2	631.7	745.4	868.8	1108.6	1573.1	2315.8	2655.7	2779.0	2703.6
45°	507.0	512.5	559.1	652.3	785.2	1004.4	1489.5	2406.3	2820.1	3072.2	3028.4
47.5°	407.0	409.7	449.5	546.8	685.2	900.3	1360.7	2402.1	2953.0	3365.5	3488.8
50°	317.9	324.8	354.9	434.4	564.6	772.9	1211.4	2369.3	3120.2	3699.8	3942.4
52.5°	253.5	254.9	274.1	337.1	435.8	645.4	1051.0	2265.1	3277.8	4027.3	4498.7
55°	209.7	209.7	220.6	259.0	334.4	490.6	863.3	2092.5	3297.0	4389.1	5105.8
56°	201.4	198.7	208.3	241.2	301.5	442.6	775.6	1976.0	3324.4	4556.3	5410.0
57°	190.5	191.8	197.3	220.6	271.3	391.9	678.3	1862.2	3305.2	4693.3	5634.7
58°	185.0	182.3	193.2	208.3	239.8	348.1	611.2	1728.0	3275.0	4805.7	5962.2
59°	176.8	175.4	182.3	196.0	223.4	309.7	528.9	1582.7	3216.1	4950.9	6206.1
60°	174.0	172.7	175.4	186.4	205.5	271.3	465.9	1412.8	3058.5	5100.3	6509.0
61°	165.8	167.2	172.7	179.5	194.6	243.9	419.3	1238.8	2955.8	5226.4	6843.3
62°	167.2	164.4	167.2	172.7	183.6	224.7	367.2	1067.5	2772.1	5368.9	7094.1
63°	159.0	157.6	161.7	168.5	174.0	202.8	320.7	922.2	2563.8	5401.8	7306.5
64°	156.2	154.8	156.2	165.8	167.2	190.5	283.7	787.9	2262.4	5457.9	7579.2
65°	149.4	149.4	152.1	156.2	161.7	179.5	253.5	683.8	1962.3	5309.9	7662.8
66°	143.9	145.3	145.3	152.1	156.2	167.2	233.0	581.0	1674.5	5074.2	7743.6
67°	139.8	139.8	141.1	146.6	150.7	157.6	209.7	502.9	1412.8	4793.3	7618.9
67.5°	137.0	138.4	138.4	143.9	148.0	157.6	200.1	476.9	1263.4	4485.0	7525.7
68°	132.9	134.3	134.3	139.8	143.9	152.1	193.2	435.8	1164.8	4285.0	7353.1
69°	130.2	128.8	128.8	134.3	139.8	145.3	179.5	380.9	926.3	3725.9	7100.9
70°	122.0	122.0	124.7	128.8	132.9	138.4	165.8	335.7	783.8	3084.6	6451.4
71°	117.8	116.5	117.8	122.0	126.1	132.9	152.1	297.4	641.3	2561.1	5812.8
72°	109.6	112.4	112.4	116.5	120.6	124.7	142.5	259.0	538.5	2047.2	5109.9
72.5°	108.3	108.3	109.6	113.7	116.5	123.3	137.0	248.0	491.9	1804.7	4815.3
73°	104.1	104.1	105.5	109.6	112.4	119.2	132.9	223.4	448.1	1606.0	4264.4
74°	100.0	98.7	98.7	104.1	105.5	112.4	124.7	197.3	375.5	1210.0	3423.0
75°	93.2	93.2	94.6	97.3	98.7	104.1	115.1	175.4	316.5	938.7	2677.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	76.7	78.1	79.5	82.2	82.2	86.3	94.6	122.0	193.2	475.5	1229.2
80°	56.2	58.9	63.0	67.1	65.8	65.8	74.0	87.7	115.1	213.8	471.4
82.5°	45.2	48.0	43.8	49.3	49.3	46.6	53.4	64.4	78.1	105.5	168.5
85°	30.1	31.5	26.0	30.1	28.8	28.8	35.6	38.4	48.0	58.9	83.6
87.5°	13.7	13.7	11.0	12.3	12.3	12.3	17.8	13.7	20.6	28.8	49.3
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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1170.2	1175.7	1175.7	1170.2	1166.1	1170.2	1167.5	1160.7	1167.5	1170.2	1171.6
5°	1186.7	1175.7	1181.2	1168.9	1177.1	1175.7	1173.0	1179.8	1181.2	1181.2	1190.8
7.5°	1204.5	1218.2	1200.4	1201.8	1205.9	1189.4	1194.9	1197.6	1192.2	1203.1	1211.4
10°	1236.0	1241.5	1236.0	1215.5	1229.2	1218.2	1214.1	1226.4	1223.7	1226.4	1238.8
12.5°	1264.8	1274.4	1259.3	1257.9	1251.1	1241.5	1247.0	1245.6	1264.8	1267.5	1282.6
15°	1323.7	1299.1	1293.6	1292.2	1289.5	1285.3	1288.1	1289.5	1314.1	1318.2	1353.9
17.5°	1374.4	1370.3	1340.2	1351.1	1351.1	1334.7	1327.8	1351.1	1370.3	1390.9	1415.5
20°	1426.5	1422.4	1389.5	1390.9	1378.5	1393.6	1385.4	1407.3	1440.2	1447.0	1469.0
22.5°	1488.2	1470.3	1447.0	1449.8	1453.9	1442.9	1437.5	1467.6	1500.5	1519.7	1521.0
25°	1585.4	1540.2	1521.0	1523.8	1518.3	1510.1	1514.2	1552.6	1569.0	1610.1	1601.9
27.5°	1637.5	1611.5	1597.8	1566.3	1567.6	1555.3	1571.7	1629.3	1662.2	1693.7	1630.7
30°	1700.6	1684.1	1623.8	1612.9	1611.5	1606.0	1636.1	1710.1	1759.5	1777.3	1686.8
32.5°	1823.9	1758.1	1743.0	1733.4	1711.5	1718.4	1733.4	1830.7	1908.8	1904.7	1738.9
35°	1965.0	1919.8	1877.3	1869.1	1866.4	1847.2	1873.2	1986.9	2047.2	2029.4	1758.1
37.5°	2191.1	2122.6	2065.1	2033.5	2028.1	2014.4	2076.0	2166.5	2244.6	2174.7	1773.2
40°	2302.1	2225.4	2171.9	2152.8	2156.9	2176.0	2236.3	2374.7	2409.0	2280.2	1785.5
42.5°	2461.1	2377.5	2272.0	2262.4	2250.0	2259.6	2376.1	2562.5	2591.3	2422.7	1738.9
45°	2743.4	2617.3	2495.3	2440.5	2443.3	2469.3	2650.2	2854.4	2800.9	2521.4	1664.9
47.5°	3099.6	2914.6	2816.0	2742.0	2777.6	2748.8	3036.6	3199.7	3017.4	2646.1	1574.5
50°	3635.4	3376.4	3242.1	3153.1	3168.2	3192.8	3484.7	3623.1	3257.2	2706.4	1436.1
52.5°	4311.0	3978.0	3780.7	3661.5	3672.4	3725.9	4102.7	4060.2	3531.3	2757.1	1251.1
55°	5119.5	4776.9	4394.6	4345.2	4332.9	4460.4	4875.6	4517.9	3777.9	2676.2	1059.2
56°	5547.0	5182.5	4785.1	4683.7	4653.6	4742.6	5230.5	4746.7	3862.9	2585.8	967.4
57°	5910.1	5562.1	5126.3	4953.7	4992.0	5159.2	5582.6	4961.9	3941.0	2492.6	881.1
58°	6408.9	6011.5	5551.1	5419.6	5385.3	5518.2	5962.2	5178.4	3967.0	2396.7	801.6
59°	6906.4	6429.5	6014.3	5774.5	5784.1	6026.6	6336.3	5436.0	4006.8	2274.7	700.2
60°	7284.6	7044.8	6489.8	6310.3	6285.6	6636.4	6709.0	5608.7	4049.3	2110.3	629.0
61°	7820.3	7507.9	6991.3	6759.7	6826.9	7107.8	7111.9	5825.2	3986.2	1902.0	541.3
62°	8205.4	8123.2	7580.5	7359.9	7339.4	7712.1	7531.2	6015.7	3931.4	1704.7	478.2
63°	8656.2	8656.2	8161.6	7988.9	7998.5	8293.1	7713.5	6206.1	3868.4	1486.8	420.7
64°	8890.6	9185.2	8728.9	8486.3	8549.4	8804.2	8038.2	6330.8	3673.8	1266.2	370.0
65°	9093.4	9536.0	9282.5	9170.1	9074.2	9224.9	8319.1	6447.3	3376.4	1077.1	328.9
66°	9264.7	9866.2	9782.6	9662.0	9652.4	9618.2	8374.0	6443.2	3069.5	909.9	287.8
67°	9178.3	9873.1	10025.2	10075.9	10060.8	9699.0	8278.0	6296.6	2676.2	768.7	256.2
67.5°	9100.2	9816.9	10170.4	10141.6	10204.7	9767.6	8294.5	6117.1	2396.7	696.1	241.2
68°	9031.7	9741.5	10229.3	10266.3	10234.8	9775.8	8204.0	5974.5	2206.2	653.6	227.5
69°	8512.4	9383.9	10134.8	10267.7	10186.9	9462.0	7916.3	5603.2	1752.6	557.7	209.7
70°	7991.6	8920.7	9675.7	9919.7	9819.6	8854.9	7553.1	5012.6	1445.7	476.9	189.1
71°	7270.9	8060.2	9064.6	9211.2	9090.6	8164.3	6802.2	4389.1	1125.0	404.2	168.5
72°	6292.5	6962.5	7921.7	8276.7	8098.5	7170.8	6043.1	3627.2	911.3	339.8	153.5
72.5°	5807.4	6493.9	7418.8	7447.6	7481.9	6739.2	5721.0	3186.0	794.8	315.2	149.4
73°	5346.9	6019.8	6820.0	6921.4	6776.2	6011.5	5240.1	2848.9	726.3	287.8	143.9
74°	4332.9	4716.6	5379.8	5478.5	5351.1	4901.6	4282.2	2184.3	578.3	248.0	131.5
75°	3409.3	3620.4	4220.5	4160.3	3969.8	3812.2	3320.3	1669.0	468.6	217.9	122.0



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**CANDELA DISTRIBUTION (continued):**

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1532.0	1659.4	1759.5	1759.5	1770.4	1689.6	1530.6	766.0	289.1	157.6	100.0
80°	583.8	653.6	675.6	676.9	686.5	711.2	661.9	376.8	171.3	112.4	80.8
82.5°	423.4	592.0	637.2	604.3	607.0	548.1	253.5	167.2	108.3	78.1	58.9
85°	383.7	515.2	545.4	541.3	542.6	507.0	149.4	82.2	63.0	49.3	41.1
87.5°	186.4	182.3	193.2	217.9	212.4	275.4	126.1	41.1	27.4	20.6	20.6
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°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1160.7	1159.3	1178.5	1159.3	1170.2	1162.0
5°	1174.4	1179.8	1183.9	1192.2	1173.0	1192.2
7.5°	1215.5	1220.9	1222.3	1229.2	1220.9	1219.6
10°	1247.0	1260.7	1268.9	1241.5	1257.9	1256.6
12.5°	1308.6	1294.9	1293.6	1288.1	1273.0	1267.5
15°	1352.5	1331.9	1319.6	1297.7	1279.9	1273.0
17.5°	1414.2	1374.4	1323.7	1278.5	1247.0	1222.3
20°	1452.5	1381.3	1279.9	1226.4	1178.5	1189.4
22.5°	1477.2	1374.4	1240.1	1171.6	1123.7	1137.4
25°	1485.4	1340.2	1212.7	1127.8	1081.2	1071.6
27.5°	1462.1	1300.4	1159.3	1063.4	1022.2	1030.5
30°	1451.2	1242.9	1109.9	1015.4	960.6	968.8
32.5°	1422.4	1183.9	1044.2	948.3	908.5	894.8
35°	1381.3	1134.6	981.1	890.7	842.7	831.8
37.5°	1330.6	1073.0	926.3	816.7	774.2	766.0
40°	1255.2	999.0	846.9	752.3	703.0	701.6
42.5°	1189.4	927.7	772.9	675.6	626.2	629.0
45°	1105.8	831.8	687.9	604.3	555.0	557.7
47.5°	999.0	742.7	607.0	513.9	472.8	470.0
50°	872.9	641.3	508.4	428.9	394.6	387.8
52.5°	752.3	538.5	416.6	345.3	316.5	313.8
55°	600.2	419.3	324.8	271.3	249.4	250.8
56°	545.4	386.4	296.0	248.0	231.6	231.6
57°	493.3	342.6	268.6	228.8	213.8	213.8
58°	435.8	301.5	243.9	206.9	200.1	194.6
59°	396.0	274.1	220.6	196.0	185.0	183.6
60°	349.4	246.7	205.5	183.6	175.4	174.0
61°	309.7	222.0	189.1	171.3	168.5	168.5
62°	276.8	205.5	175.4	165.8	164.4	160.3
63°	248.0	189.1	168.5	157.6	153.5	157.6
64°	222.0	174.0	163.1	154.8	149.4	152.1
65°	201.4	167.2	156.2	150.7	145.3	146.6
66°	187.7	156.2	150.7	143.9	141.1	142.5
67°	169.9	150.7	145.3	138.4	137.0	138.4
67.5°	164.4	146.6	142.5	135.7	134.3	135.7
68°	160.3	143.9	141.1	134.3	132.9	131.5
69°	149.4	138.4	134.3	131.5	128.8	127.4
70°	139.8	132.9	130.2	126.1	123.3	122.0
71°	134.3	126.1	124.7	120.6	117.8	116.5
72°	127.4	122.0	119.2	113.7	112.4	113.7
72.5°	126.1	119.2	117.8	112.4	111.0	111.0
73°	122.0	113.7	115.1	109.6	106.9	109.6
74°	113.7	111.0	108.3	104.1	102.8	102.8
75°	106.9	104.1	101.4	98.7	98.7	98.7



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	135°	145°	155°	165°	175°	180°
77.5°	90.4	89.1	90.4	85.0	83.6	82.2
80°	72.6	72.6	74.0	69.9	67.1	65.8
82.5°	54.8	56.2	58.9	54.8	52.1	49.3
85°	35.6	37.0	37.0	32.9	38.4	35.6
87.5°	17.8	19.2	17.8	16.4	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)