

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: P676138

Luminaire Tested: **CCW-SA-2C-740-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676138
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

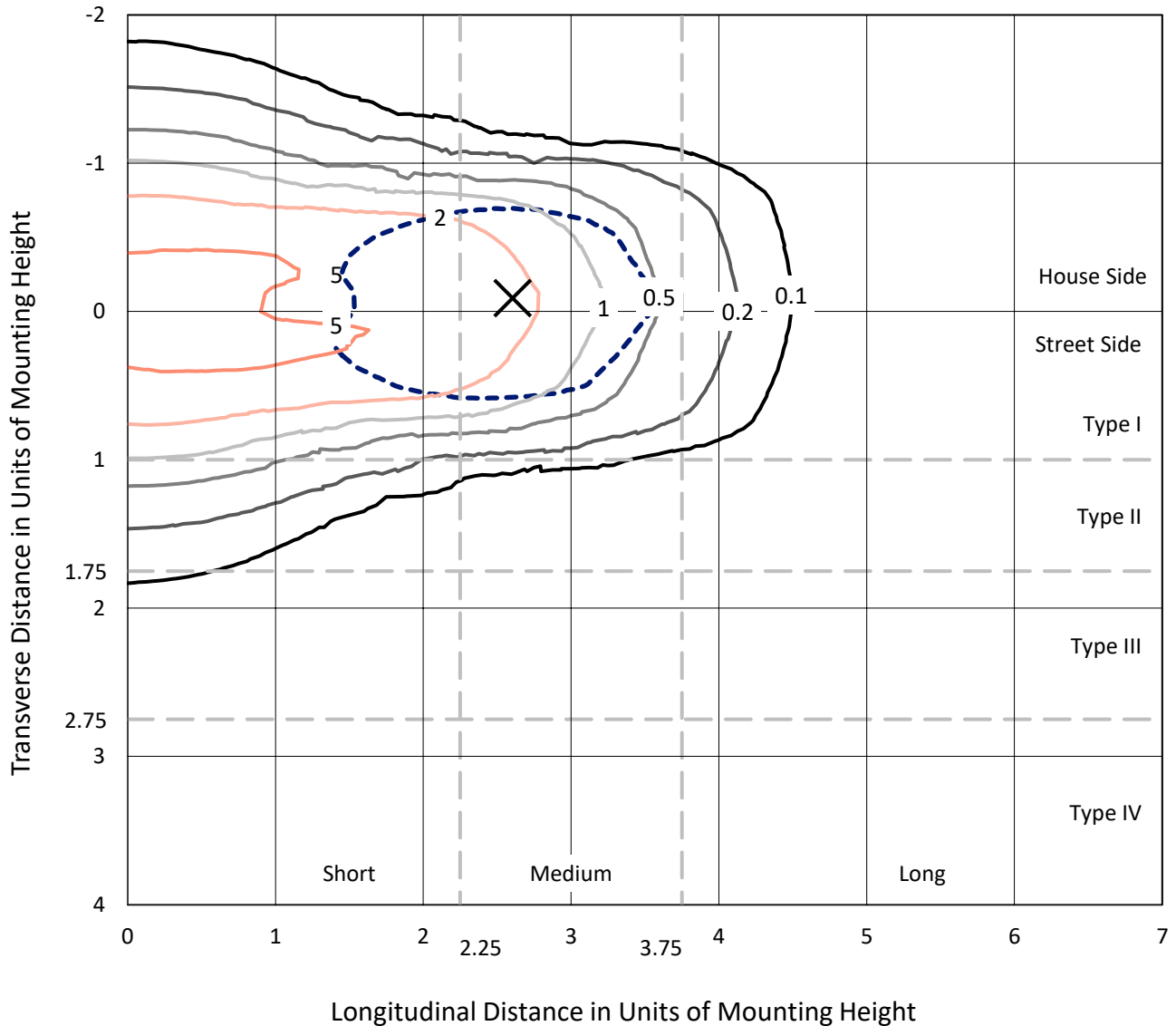
Lumens per Lamp: N/A
Luminaire Lumens: 8804.4 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (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

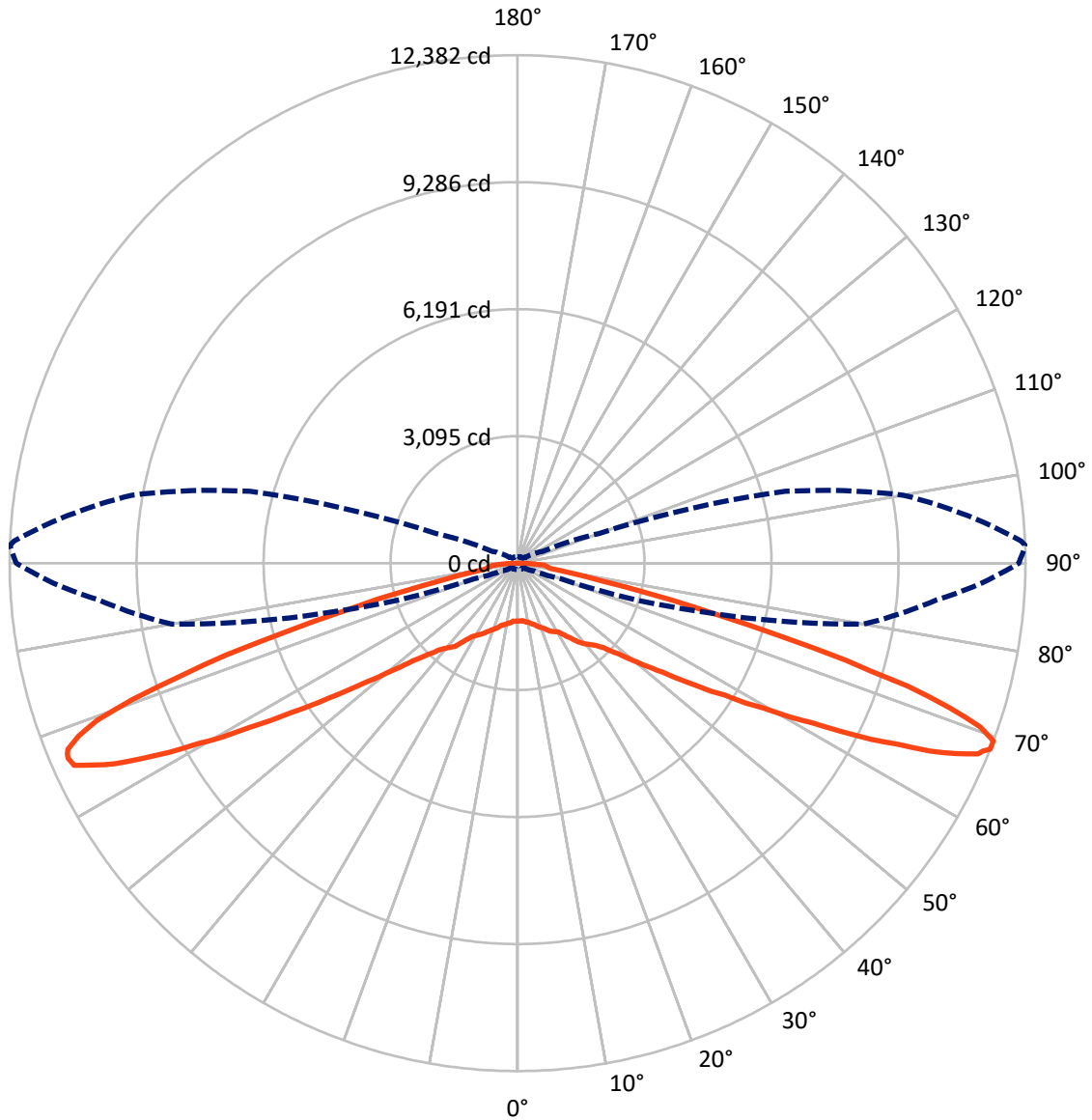
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 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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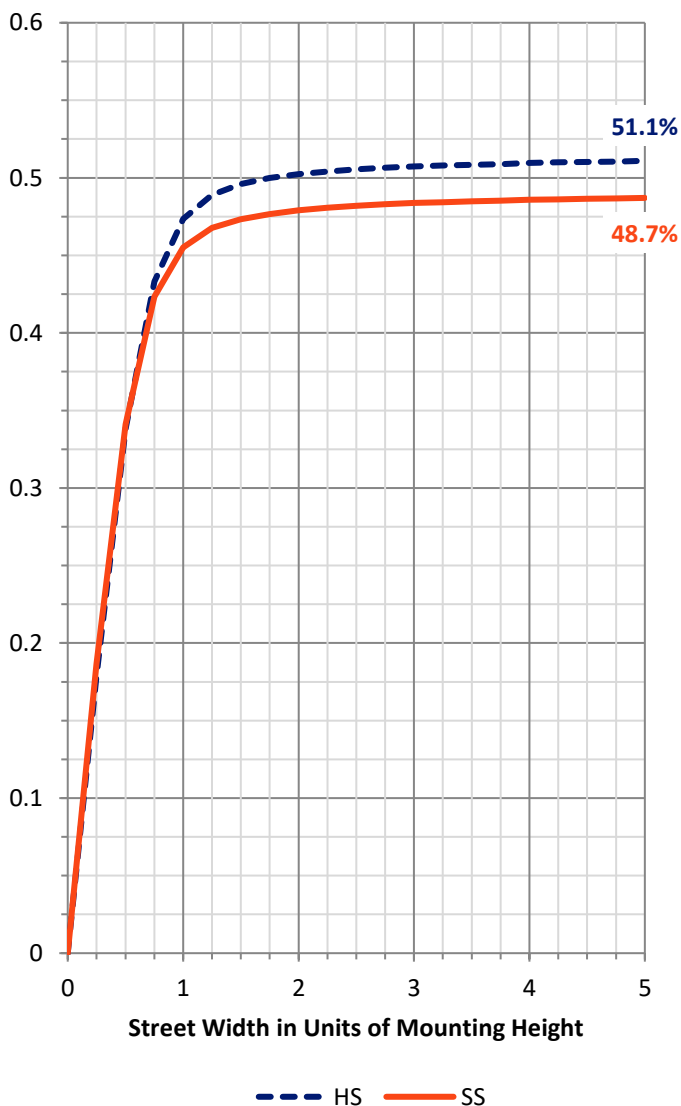
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4534.1	0.0	4534.1
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	4270.3	0.0	4270.3
	% Fixture	48.5	0.0	48.5
Total	Lumens	8804.4	0.0	8804.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	1.6
10°-20°	456.7	5.2
20°-30°	779.5	8.9
30°-40°	1088.3	12.4
40°-50°	1384.4	15.7
50°-60°	1750.4	19.9
60°-70°	2158.8	24.5
70°-80°	943.0	10.7
80°-90°	102.3	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°	8804.4	100.0
0°-180°	8804.4	100.0



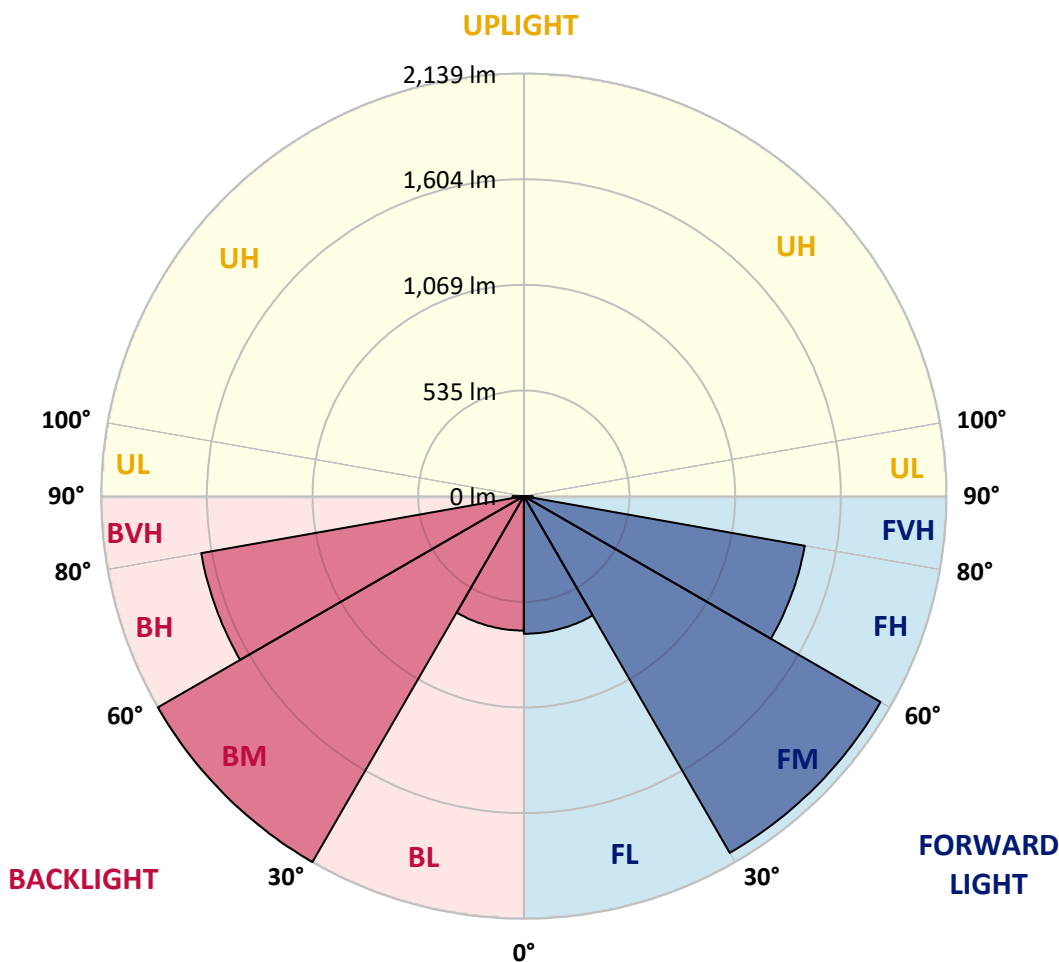
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.8	7.9			
FM (30°-60°)	2084.4	23.7			
FH (60°-80°)	1443.8	16.4			G1/1800
FVH (80°-90°)	45.4	0.5			G1/100
BL (0°-30°)	680.4	7.7	B2/1000		
BM (30°-60°)	2138.8	24.3	B2/2500		
BH (60°-80°)	1658.0	18.8	B3/2500		G3/2500
BVH (80°-90°)	56.9	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°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1437.6	1436.0	1441.0	1444.3	1429.4	1434.3	1431.0	1427.7	1416.2	1411.2	1401.3
5°	1477.3	1482.3	1498.8	1483.9	1490.5	1482.3	1455.8	1464.1	1449.2	1445.9	1436.0
7.5°	1546.7	1536.8	1559.9	1543.4	1548.4	1531.8	1520.3	1505.4	1502.1	1479.0	1480.6
10°	1561.6	1581.4	1591.3	1588.0	1591.3	1599.6	1578.1	1555.0	1523.6	1517.0	1493.8
12.5°	1551.7	1569.8	1596.3	1617.8	1632.6	1635.9	1627.7	1622.7	1609.5	1571.5	1569.8
15°	1541.8	1528.5	1545.1	1619.4	1669.0	1702.0	1713.6	1685.5	1688.8	1639.2	1619.4
17.5°	1475.7	1455.8	1520.3	1593.0	1654.1	1726.8	1783.0	1774.8	1774.8	1735.1	1707.0
20°	1388.1	1421.1	1454.2	1546.7	1659.1	1768.1	1875.6	1870.6	1850.8	1839.2	1778.1
22.5°	1313.7	1328.6	1389.7	1487.2	1627.7	1779.7	1906.9	1997.8	1951.6	1905.3	1868.9
25°	1262.5	1249.3	1326.9	1427.7	1597.9	1759.9	1966.4	2060.6	2085.4	2050.7	1981.3
27.5°	1189.8	1189.8	1250.9	1346.8	1502.1	1750.0	2024.3	2168.0	2204.4	2153.2	2052.4
30°	1107.2	1117.1	1169.9	1279.0	1431.0	1677.3	2047.4	2292.0	2321.7	2277.1	2173.0
32.5°	1042.7	1042.7	1102.2	1217.9	1381.5	1644.2	2032.5	2414.3	2470.4	2437.4	2330.0
35°	973.3	968.3	1011.3	1138.6	1302.1	1579.8	2027.6	2511.8	2637.3	2639.0	2526.6
37.5°	874.2	894.0	948.5	1049.3	1239.4	1517.0	2012.7	2629.1	2853.8	2891.8	2814.2
40°	808.1	816.3	865.9	976.6	1141.9	1442.6	1991.2	2724.9	2997.6	3128.1	3020.7
42.5°	712.2	723.8	761.8	898.9	1047.7	1336.8	1897.0	2792.7	3202.5	3351.2	3260.3
45°	611.4	618.0	674.2	786.6	946.9	1211.3	1796.2	2901.7	3400.8	3704.8	3652.0
47.5°	490.8	494.1	542.0	659.3	826.2	1085.7	1640.9	2896.8	3561.1	4058.5	4207.2
50°	383.4	391.6	428.0	523.8	680.8	932.0	1460.8	2857.1	3762.7	4461.7	4754.1
52.5°	305.7	307.4	330.5	406.5	525.5	778.3	1267.4	2731.5	3952.7	4856.6	5425.1
55°	252.8	252.8	266.0	312.3	403.2	591.6	1041.1	2523.3	3975.8	5292.9	6157.1
56°	242.9	239.6	251.2	290.8	363.5	533.7	935.3	2382.9	4008.9	5494.5	6523.9
57°	229.7	231.3	238.0	266.0	327.2	472.6	818.0	2245.7	3985.8	5659.7	6794.9
58°	223.1	219.8	233.0	251.2	289.2	419.7	737.0	2083.8	3949.4	5795.2	7189.9
59°	213.2	211.5	219.8	236.3	269.4	373.5	637.9	1908.6	3878.3	5970.4	7484.0
60°	209.9	208.2	211.5	224.7	247.9	327.2	561.8	1703.7	3688.3	6150.5	7849.2
61°	199.9	201.6	208.2	216.5	234.7	294.1	505.7	1493.8	3564.4	6302.5	8252.4
62°	201.6	198.3	201.6	208.2	221.4	271.0	442.9	1287.3	3342.9	6474.4	8554.8
63°	191.7	190.0	195.0	203.3	209.9	244.6	386.7	1112.1	3091.8	6514.0	8811.0
64°	188.4	186.7	188.4	199.9	201.6	229.7	342.1	950.2	2728.2	6581.8	9139.8
65°	180.1	180.1	183.4	188.4	195.0	216.5	305.7	824.6	2366.3	6403.3	9240.6
66°	173.5	175.2	175.2	183.4	188.4	201.6	280.9	700.6	2019.3	6119.1	9338.1
67°	168.6	168.6	170.2	176.8	181.8	190.0	252.8	606.5	1703.7	5780.3	9187.7
67.5°	165.2	166.9	166.9	173.5	178.5	190.0	241.3	575.1	1523.6	5408.5	9075.4
68°	160.3	161.9	161.9	168.6	173.5	183.4	233.0	525.5	1404.6	5167.3	8867.1
69°	157.0	155.3	155.3	161.9	168.6	175.2	216.5	459.4	1117.1	4493.1	8563.1
70°	147.1	147.1	150.4	155.3	160.3	166.9	199.9	404.9	945.2	3719.7	7779.8
71°	142.1	140.5	142.1	147.1	152.0	160.3	183.4	358.6	773.4	3088.5	7009.8
72°	132.2	135.5	135.5	140.5	145.4	150.4	171.9	312.3	649.4	2468.8	6162.1
72.5°	130.5	130.5	132.2	137.2	140.5	148.7	165.2	299.1	593.2	2176.3	5806.8
73°	125.6	125.6	127.2	132.2	135.5	143.8	160.3	269.4	540.4	1936.7	5142.5
74°	120.6	119.0	119.0	125.6	127.2	135.5	150.4	238.0	452.8	1459.1	4127.9
75°	112.4	112.4	114.0	117.3	119.0	125.6	138.8	211.5	381.7	1131.9	3228.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	92.5	94.2	95.8	99.1	99.1	104.1	114.0	147.1	233.0	573.4	1482.3
80°	67.8	71.1	76.0	81.0	79.3	79.3	89.2	105.8	138.8	257.8	568.4
82.5°	54.5	57.8	52.9	59.5	59.5	56.2	64.4	77.7	94.2	127.2	203.3
85°	36.4	38.0	31.4	36.4	34.7	34.7	43.0	46.3	57.8	71.1	100.8
87.5°	16.5	16.5	13.2	14.9	14.9	14.9	21.5	16.5	24.8	34.7	59.5
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°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1411.2	1417.8	1417.8	1411.2	1406.2	1411.2	1407.9	1399.6	1407.9	1411.2	1412.9
5°	1431.0	1417.8	1424.4	1409.6	1419.5	1417.8	1414.5	1422.8	1424.4	1424.4	1436.0
7.5°	1452.5	1469.0	1447.6	1449.2	1454.2	1434.3	1441.0	1444.3	1437.6	1450.9	1460.8
10°	1490.5	1497.1	1490.5	1465.7	1482.3	1469.0	1464.1	1479.0	1475.7	1479.0	1493.8
12.5°	1525.2	1536.8	1518.6	1517.0	1508.7	1497.1	1503.7	1502.1	1525.2	1528.5	1546.7
15°	1596.3	1566.5	1559.9	1558.3	1555.0	1550.0	1553.3	1555.0	1584.7	1589.7	1632.6
17.5°	1657.4	1652.5	1616.1	1629.3	1629.3	1609.5	1601.2	1629.3	1652.5	1677.3	1707.0
20°	1720.2	1715.3	1675.6	1677.3	1662.4	1680.6	1670.6	1697.1	1736.7	1745.0	1771.4
22.5°	1794.6	1773.1	1745.0	1748.3	1753.3	1740.0	1733.4	1769.8	1809.5	1832.6	1834.2
25°	1911.9	1857.4	1834.2	1837.5	1830.9	1821.0	1826.0	1872.2	1892.1	1941.6	1931.7
27.5°	1974.7	1943.3	1926.8	1888.8	1890.4	1875.6	1895.4	1964.8	2004.4	2042.5	1966.4
30°	2050.7	2030.9	1958.2	1945.0	1943.3	1936.7	1973.0	2062.3	2121.8	2143.3	2034.2
32.5°	2199.4	2120.1	2101.9	2090.4	2063.9	2072.2	2090.4	2207.7	2301.9	2296.9	2097.0
35°	2369.6	2315.1	2263.9	2254.0	2250.7	2227.5	2258.9	2396.1	2468.8	2447.3	2120.1
37.5°	2642.3	2559.7	2490.3	2452.3	2445.7	2429.1	2503.5	2612.6	2706.7	2622.5	2138.3
40°	2776.1	2683.6	2619.2	2596.0	2601.0	2624.1	2696.8	2863.7	2905.0	2749.7	2153.2
42.5°	2967.8	2867.0	2739.8	2728.2	2713.4	2724.9	2865.4	3090.1	3124.8	2921.6	2097.0
45°	3308.2	3156.2	3009.1	2943.0	2946.3	2977.7	3195.9	3442.1	3377.6	3040.5	2007.7
47.5°	3737.9	3514.8	3395.8	3306.6	3349.6	3314.9	3661.9	3858.5	3638.7	3190.9	1898.7
50°	4384.0	4071.7	3909.7	3802.3	3820.5	3850.2	4202.2	4369.1	3927.9	3263.6	1731.8
52.5°	5198.7	4797.1	4559.2	4415.4	4428.6	4493.1	4947.5	4896.3	4258.4	3324.8	1508.7
55°	6173.6	5760.5	5299.5	5240.0	5225.1	5378.8	5879.5	5448.2	4555.9	3227.3	1277.4
56°	6689.2	6249.6	5770.4	5648.1	5611.8	5719.2	6307.5	5724.1	4658.3	3118.2	1166.6
57°	7127.1	6707.4	6181.9	5973.7	6019.9	6221.5	6732.2	5983.6	4752.5	3005.8	1062.5
58°	7728.6	7249.4	6694.1	6535.5	6494.2	6654.5	7189.9	6244.7	4783.9	2890.2	966.7
59°	8328.4	7753.4	7252.7	6963.5	6975.1	7267.6	7641.0	6555.3	4831.8	2743.1	844.4
60°	8784.5	8495.3	7826.1	7609.6	7579.9	8002.9	8090.5	6763.6	4883.0	2544.8	758.5
61°	9430.6	9053.9	8430.9	8151.6	8232.6	8571.3	8576.3	7024.6	4807.0	2293.6	652.7
62°	9895.0	9795.8	9141.5	8875.4	8850.6	9300.1	9082.0	7254.3	4740.9	2055.7	576.7
63°	10438.6	10438.6	9842.1	9633.9	9645.5	10000.7	9301.7	7484.0	4664.9	1792.9	507.3
64°	10721.2	11076.5	10526.2	10233.7	10309.7	10617.1	9693.4	7634.4	4430.3	1526.9	446.2
65°	10965.8	11499.5	11193.8	11058.3	10942.6	11124.4	10032.1	7774.9	4071.7	1298.8	396.6
66°	11172.3	11897.8	11797.0	11651.5	11640.0	11598.7	10098.2	7769.9	3701.5	1097.2	347.0
67°	11068.2	11906.0	12089.5	12150.6	12132.4	11696.2	9982.6	7593.1	3227.3	927.0	309.0
67.5°	10974.0	11838.3	12264.6	12229.9	12305.9	11778.8	10002.4	7376.6	2890.2	839.5	290.8
68°	10891.4	11747.4	12335.7	12380.3	12342.3	11788.7	9893.3	7204.8	2660.5	788.2	274.3
69°	10265.1	11316.1	12221.7	12381.9	12284.4	11410.3	9546.3	6756.9	2113.5	672.6	252.8
70°	9637.2	10757.6	11668.1	11962.2	11841.6	10678.2	9108.4	6044.7	1743.4	575.1	228.0
71°	8768.0	9719.8	10931.1	11107.9	10962.5	9845.4	8202.8	5292.9	1356.7	487.5	203.3
72°	7588.1	8396.2	9552.9	9980.9	9766.1	8647.4	7287.4	4374.1	1098.9	409.8	185.1
72.5°	7003.2	7831.0	8946.5	8981.2	9022.5	8126.8	6899.1	3842.0	958.4	380.1	180.1
73°	6447.9	7259.3	8224.3	8346.6	8171.5	7249.4	6319.0	3435.5	875.8	347.0	173.5
74°	5225.1	5687.8	6487.6	6606.6	6452.9	5910.9	5164.0	2634.0	697.3	299.1	158.6
75°	4111.3	4365.8	5089.6	5016.9	4787.2	4597.2	4003.9	2012.7	565.1	262.7	147.1



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1847.5	2001.1	2121.8	2121.8	2135.0	2037.5	1845.8	923.7	348.7	190.0	120.6
80°	704.0	788.2	814.7	816.3	827.9	857.6	798.1	454.4	206.6	135.5	97.5
82.5°	510.6	713.9	768.4	728.7	732.0	661.0	305.7	201.6	130.5	94.2	71.1
85°	462.7	621.3	657.7	652.7	654.4	611.4	180.1	99.1	76.0	59.5	49.6
87.5°	224.7	219.8	233.0	262.7	256.1	332.1	152.0	49.6	33.0	24.8	24.8
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):

	135°	145°	155°	165°	175°	180°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1399.6	1398.0	1421.1	1398.0	1411.2	1401.3
5°	1416.2	1422.8	1427.7	1437.6	1414.5	1437.6
7.5°	1465.7	1472.3	1474.0	1482.3	1472.3	1470.7
10°	1503.7	1520.3	1530.2	1497.1	1517.0	1515.3
12.5°	1578.1	1561.6	1559.9	1553.3	1535.1	1528.5
15°	1631.0	1606.2	1591.3	1564.9	1543.4	1535.1
17.5°	1705.3	1657.4	1596.3	1541.8	1503.7	1474.0
20°	1751.6	1665.7	1543.4	1479.0	1421.1	1434.3
22.5°	1781.4	1657.4	1495.5	1412.9	1355.0	1371.5
25°	1791.3	1616.1	1462.4	1360.0	1303.8	1292.2
27.5°	1763.2	1568.2	1398.0	1282.3	1232.7	1242.7
30°	1750.0	1498.8	1338.5	1224.5	1158.4	1168.3
32.5°	1715.3	1427.7	1259.2	1143.5	1095.6	1079.1
35°	1665.7	1368.2	1183.2	1074.1	1016.3	1003.0
37.5°	1604.5	1293.9	1117.1	984.9	933.6	923.7
40°	1513.7	1204.6	1021.2	907.2	847.7	846.1
42.5°	1434.3	1118.7	932.0	814.7	755.2	758.5
45°	1333.5	1003.0	829.5	728.7	669.2	672.6
47.5°	1204.6	895.6	732.0	619.7	570.1	566.8
50°	1052.6	773.4	613.1	517.2	475.9	467.6
52.5°	907.2	649.4	502.4	416.4	381.7	378.4
55°	723.8	505.7	391.6	327.2	300.7	302.4
56°	657.7	466.0	356.9	299.1	279.3	279.3
57°	594.9	413.1	323.9	276.0	257.8	257.8
58°	525.5	363.5	294.1	249.5	241.3	234.7
59°	477.6	330.5	266.0	236.3	223.1	221.4
60°	421.4	297.4	247.9	221.4	211.5	209.9
61°	373.5	267.7	228.0	206.6	203.3	203.3
62°	333.8	247.9	211.5	199.9	198.3	193.3
63°	299.1	228.0	203.3	190.0	185.1	190.0
64°	267.7	209.9	196.6	186.7	180.1	183.4
65°	242.9	201.6	188.4	181.8	175.2	176.8
66°	226.4	188.4	181.8	173.5	170.2	171.9
67°	204.9	181.8	175.2	166.9	165.2	166.9
67.5°	198.3	176.8	171.9	163.6	161.9	163.6
68°	193.3	173.5	170.2	161.9	160.3	158.6
69°	180.1	166.9	161.9	158.6	155.3	153.7
70°	168.6	160.3	157.0	152.0	148.7	147.1
71°	161.9	152.0	150.4	145.4	142.1	140.5
72°	153.7	147.1	143.8	137.2	135.5	137.2
72.5°	152.0	143.8	142.1	135.5	133.8	133.8
73°	147.1	137.2	138.8	132.2	128.9	132.2
74°	137.2	133.8	130.5	125.6	123.9	123.9
75°	128.9	125.6	122.3	119.0	119.0	119.0



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	135°	145°	155°	165°	175°	180°
77.5°	109.1	107.4	109.1	102.5	100.8	99.1
80°	87.6	87.6	89.2	84.3	81.0	79.3
82.5°	66.1	67.8	71.1	66.1	62.8	59.5
85°	43.0	44.6	44.6	39.7	46.3	43.0
87.5°	21.5	23.1	21.5	19.8	23.1	23.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)