

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: P676149

Luminaire Tested: **CCW-SA-2C-750-U-T1**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676149  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-750-U-T1  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T1 distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

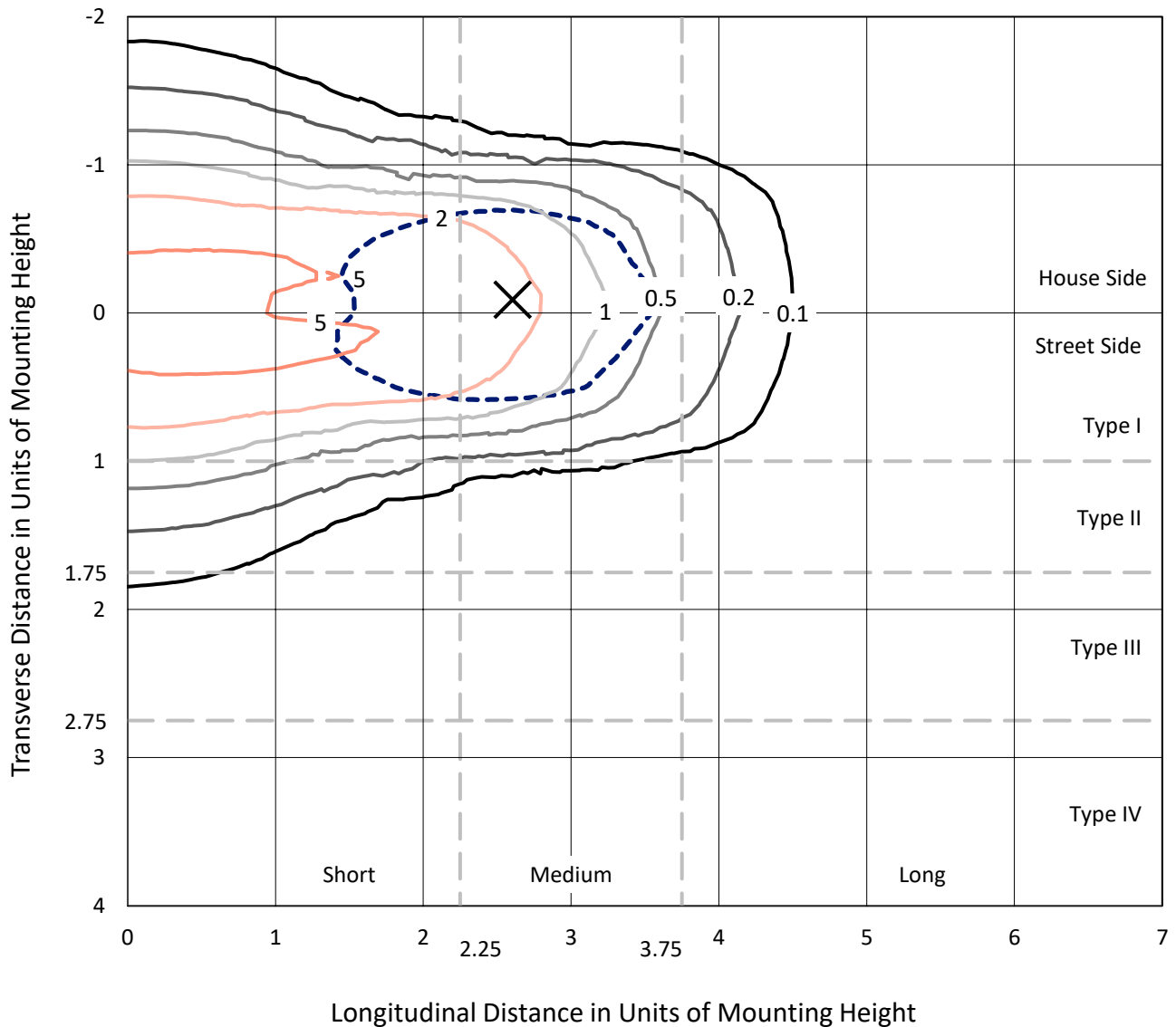
Lumens per Lamp: N/A  
Luminaire Lumens: 9006.1 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

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

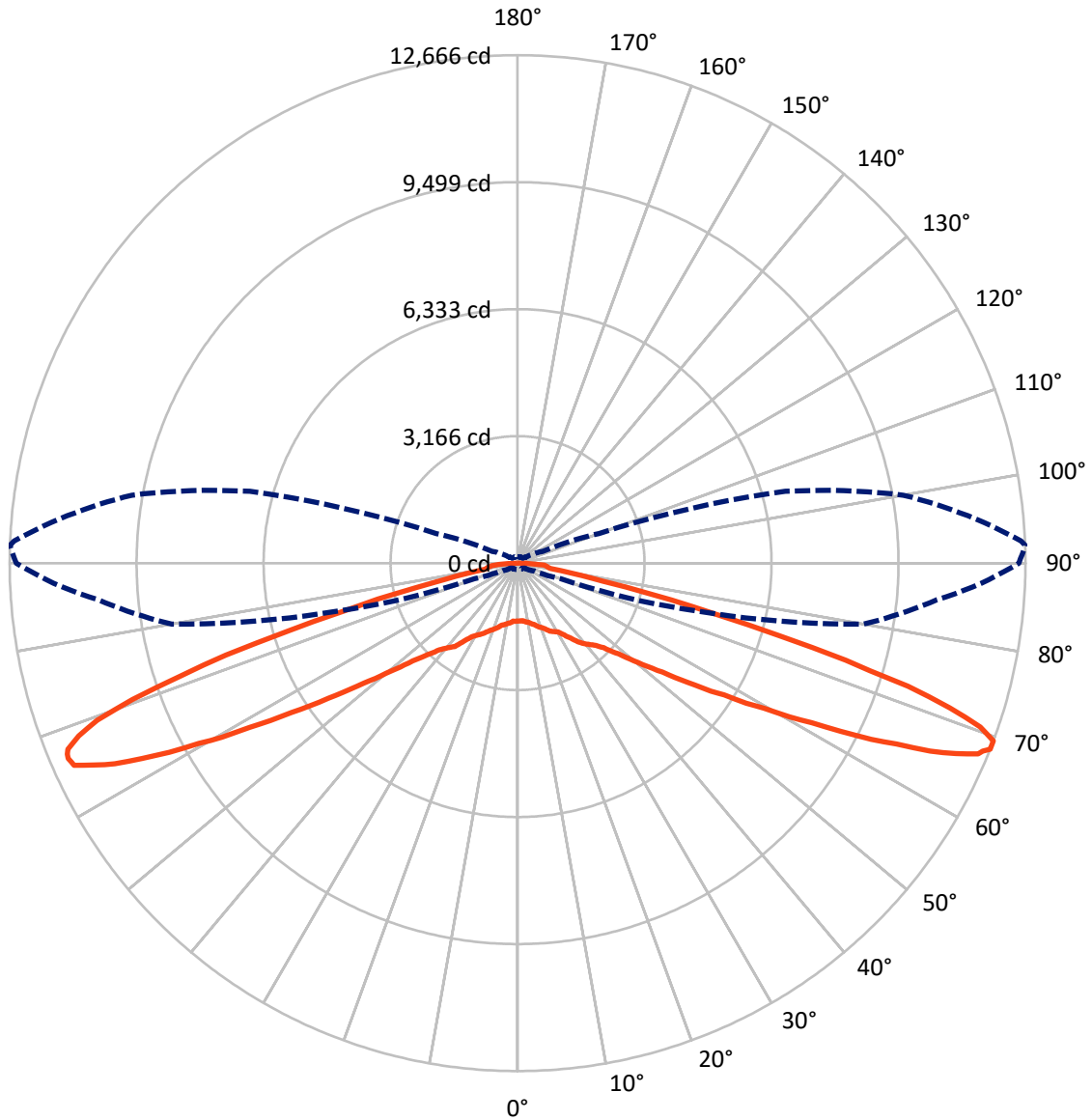
× Max cd  
 - - - 1/2 Max cd



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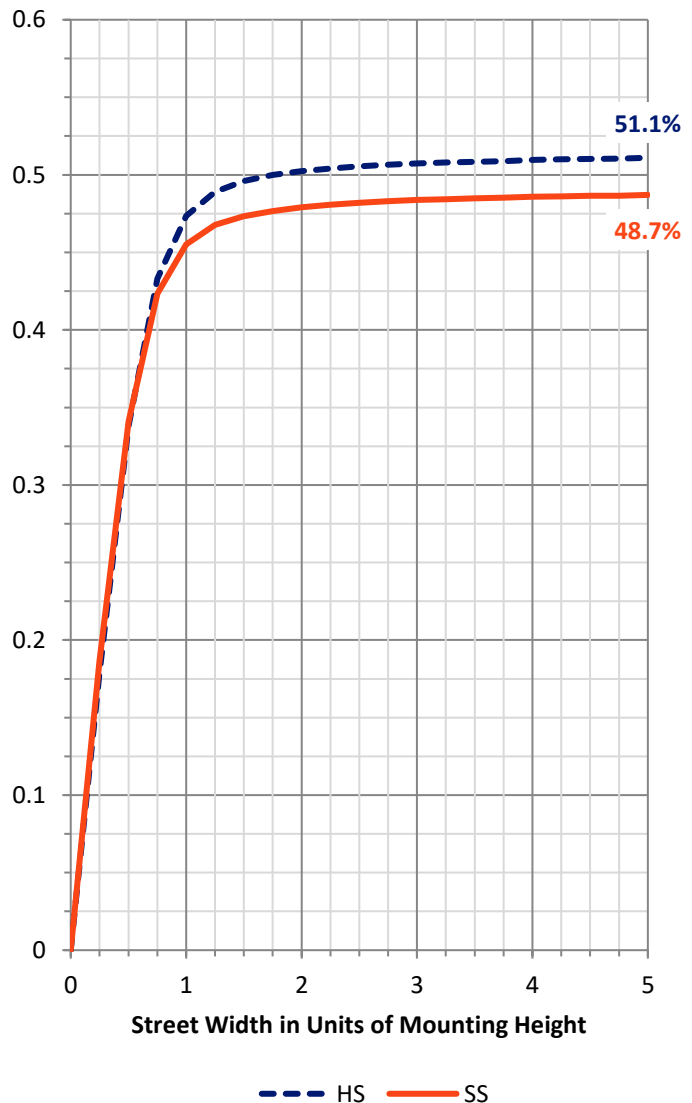
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4638.0	0.0	4638.0
	% Fixture	51.5	0.0	51.5
<b>Street Side</b>	Lumens	4368.1	0.0	4368.1
	% Fixture	48.5	0.0	48.5
<b>Total</b>	Lumens	9006.1	0.0	9006.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	1.6
10°-20°	467.2	5.2
20°-30°	797.3	8.9
30°-40°	1113.3	12.4
40°-50°	1416.1	15.7
50°-60°	1790.5	19.9
60°-70°	2208.2	24.5
70°-80°	964.6	10.7
80°-90°	104.6	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°	9006.1	100.0
0°-180°	9006.1	100.0



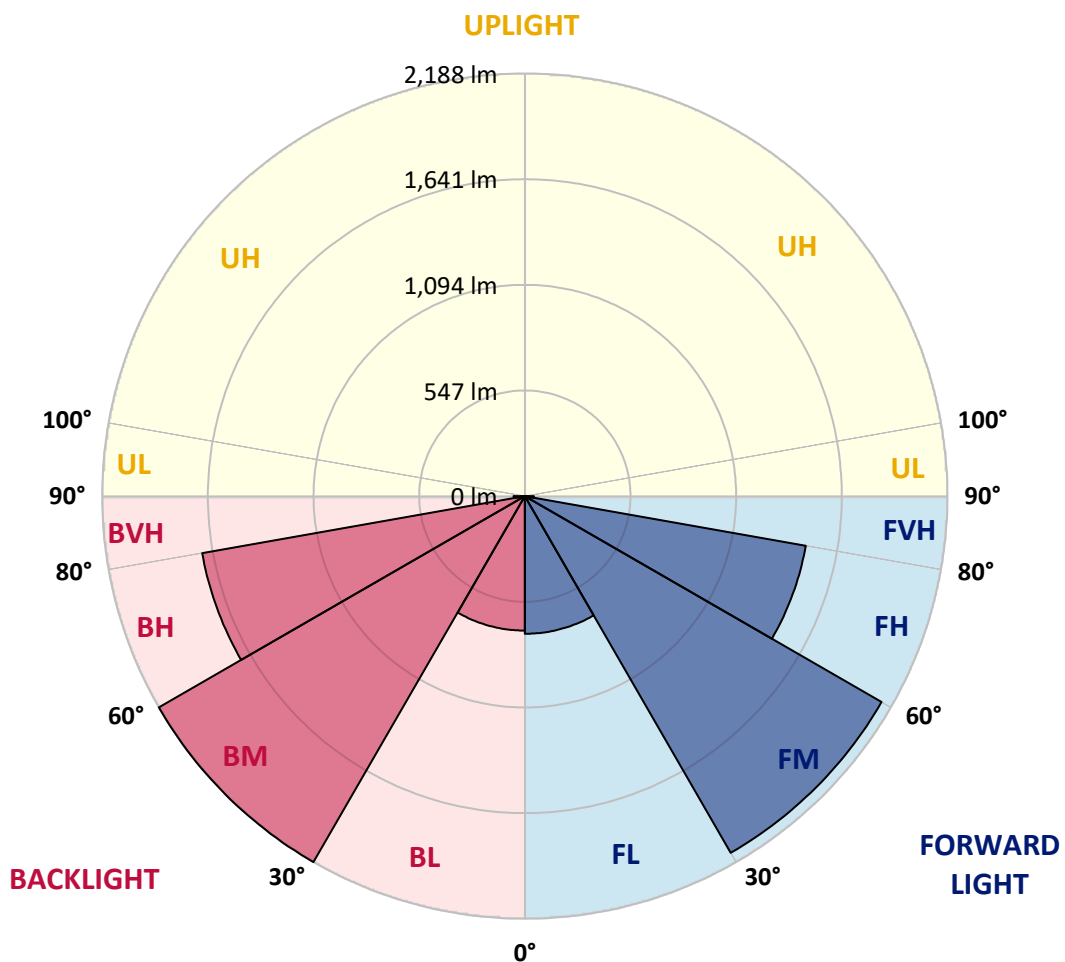
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.7	7.9			
FM (30°-60°)	2132.1	23.7			
FH (60°-80°)	1476.8	16.4			G1/1800
FVH (80°-90°)	46.4	0.5			G1/100
BL (0°-30°)	696.0	7.7	B2/1000		
BM (30°-60°)	2187.8	24.3	B2/2500		
BH (60°-80°)	1696.0	18.8	B3/2500		G3/2500
BVH (80°-90°)	58.2	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°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1470.6	1468.9	1473.9	1477.3	1462.1	1467.2	1463.8	1460.4	1448.6	1443.5	1433.4
5°	1511.1	1516.2	1533.1	1517.9	1524.7	1516.2	1489.2	1497.6	1482.4	1479.0	1468.9
7.5°	1582.1	1572.0	1595.7	1578.7	1583.8	1566.9	1555.1	1539.9	1536.5	1512.8	1514.5
10°	1597.3	1617.6	1627.8	1624.4	1627.8	1636.2	1614.2	1590.6	1558.5	1551.7	1528.0
12.5°	1587.2	1605.8	1632.8	1654.8	1670.0	1673.4	1665.0	1659.9	1646.4	1607.5	1605.8
15°	1577.1	1563.5	1580.4	1656.5	1707.2	1741.0	1752.9	1724.1	1727.5	1676.8	1656.5
17.5°	1509.4	1489.2	1555.1	1629.5	1692.0	1766.4	1823.8	1815.4	1815.4	1774.8	1746.1
20°	1419.9	1453.7	1487.5	1582.1	1697.1	1808.6	1918.5	1913.4	1893.1	1881.3	1818.8
22.5°	1343.8	1359.0	1421.6	1521.3	1665.0	1820.5	1950.6	2043.6	1996.3	1948.9	1911.7
25°	1291.4	1277.9	1357.3	1460.4	1634.5	1800.2	2011.5	2107.8	2133.2	2097.7	2026.7
27.5°	1217.0	1217.0	1279.6	1377.6	1536.5	1790.0	2070.6	2217.7	2254.9	2202.5	2099.4
30°	1132.5	1142.6	1196.7	1308.3	1463.8	1715.7	2094.3	2344.5	2374.9	2329.2	2222.8
32.5°	1066.6	1066.6	1127.4	1245.8	1413.1	1681.9	2079.1	2469.5	2527.0	2493.2	2383.3
35°	995.6	990.5	1034.5	1164.6	1332.0	1615.9	2074.0	2569.3	2697.7	2699.4	2584.5
37.5°	894.2	914.5	970.2	1073.3	1267.7	1551.7	2058.8	2689.3	2919.2	2958.0	2878.6
40°	826.6	835.0	885.7	999.0	1168.0	1475.6	2036.8	2787.3	3066.2	3199.8	3089.9
42.5°	728.5	740.4	779.2	919.5	1071.7	1367.5	1940.5	2856.6	3275.8	3427.9	3335.0
45°	625.4	632.2	689.6	804.6	968.5	1239.0	1837.4	2968.2	3478.7	3789.7	3735.6
47.5°	502.0	505.4	554.4	674.4	845.2	1110.5	1678.5	2963.1	3642.6	4151.4	4303.5
50°	392.2	400.6	437.8	535.8	696.4	953.3	1494.2	2922.5	3848.8	4563.8	4863.0
52.5°	312.7	314.4	338.1	415.8	537.5	796.1	1296.5	2794.1	4043.2	4967.8	5549.3
55°	258.6	258.6	272.1	319.5	412.4	605.1	1064.9	2581.1	4066.9	5414.1	6298.1
56°	248.5	245.1	256.9	297.5	371.9	546.0	956.7	2437.4	4100.7	5620.3	6673.3
57°	235.0	236.6	243.4	272.1	334.7	483.4	836.7	2297.1	4077.0	5789.3	6950.6
58°	228.2	224.8	238.3	256.9	295.8	429.3	753.9	2131.5	4039.8	5927.9	7354.5
59°	218.0	216.4	224.8	241.7	275.5	382.0	652.5	1952.3	3967.2	6107.1	7655.4
60°	214.7	213.0	216.4	229.9	253.5	334.7	574.7	1742.7	3772.8	6291.3	8029.0
61°	204.5	206.2	213.0	221.4	240.0	300.9	517.2	1528.0	3646.0	6446.8	8441.4
62°	206.2	202.8	206.2	213.0	226.5	277.2	453.0	1316.8	3419.5	6622.6	8750.7
63°	196.1	194.4	199.5	207.9	214.7	250.2	395.5	1137.6	3162.6	6663.2	9012.7
64°	192.7	191.0	192.7	204.5	206.2	235.0	349.9	971.9	2790.7	6732.5	9349.1
65°	184.2	184.2	187.6	192.7	199.5	221.4	312.7	843.5	2420.5	6549.9	9452.2
66°	177.5	179.2	179.2	187.6	192.7	206.2	287.4	716.7	2065.6	6259.2	9551.9
67°	172.4	172.4	174.1	180.9	185.9	194.4	258.6	620.3	1742.7	5912.7	9398.1
67.5°	169.0	170.7	170.7	177.5	182.6	194.4	246.8	588.2	1558.5	5532.4	9283.2
68°	164.0	165.7	165.7	172.4	177.5	187.6	238.3	537.5	1436.8	5285.6	9070.2
69°	160.6	158.9	158.9	165.7	172.4	179.2	221.4	469.9	1142.6	4596.0	8759.2
70°	150.4	150.4	153.8	158.9	164.0	170.7	204.5	414.1	966.9	3804.9	7958.0
71°	145.4	143.7	145.4	150.4	155.5	164.0	187.6	366.8	791.1	3159.2	7170.3
72°	135.2	138.6	138.6	143.7	148.7	153.8	175.8	319.5	664.3	2525.3	6303.2
72.5°	133.5	133.5	135.2	140.3	143.7	152.1	169.0	305.9	606.8	2226.1	5939.7
73°	128.5	128.5	130.2	135.2	138.6	147.1	164.0	275.5	552.7	1981.0	5260.2
74°	123.4	121.7	121.7	128.5	130.2	138.6	153.8	243.4	463.1	1492.5	4222.4
75°	114.9	114.9	116.6	120.0	121.7	128.5	142.0	216.4	390.5	1157.9	3302.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	94.7	96.3	98.0	101.4	101.4	106.5	116.6	150.4	238.3	586.5	1516.2
80°	69.3	72.7	77.8	82.8	81.1	81.1	91.3	108.2	142.0	263.7	581.5
82.5°	55.8	59.2	54.1	60.9	60.9	57.5	65.9	79.4	96.3	130.2	207.9
85°	37.2	38.9	32.1	37.2	35.5	35.5	43.9	47.3	59.2	72.7	103.1
87.5°	16.9	16.9	13.5	15.2	15.2	15.2	22.0	16.9	25.4	35.5	60.9
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°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1443.5	1450.3	1450.3	1443.5	1438.5	1443.5	1440.1	1431.7	1440.1	1443.5	1445.2
5°	1463.8	1450.3	1457.0	1441.8	1452.0	1450.3	1446.9	1455.4	1457.0	1457.0	1468.9
7.5°	1485.8	1502.7	1480.7	1482.4	1487.5	1467.2	1473.9	1477.3	1470.6	1484.1	1494.2
10°	1524.7	1531.4	1524.7	1499.3	1516.2	1502.7	1497.6	1512.8	1509.4	1512.8	1528.0
12.5°	1560.2	1572.0	1553.4	1551.7	1543.3	1531.4	1538.2	1536.5	1560.2	1563.5	1582.1
15°	1632.8	1602.4	1595.7	1594.0	1590.6	1585.5	1588.9	1590.6	1621.0	1626.1	1670.0
17.5°	1695.4	1690.3	1653.1	1666.6	1666.6	1646.4	1637.9	1666.6	1690.3	1715.7	1746.1
20°	1759.6	1754.5	1714.0	1715.7	1700.5	1719.0	1708.9	1735.9	1776.5	1785.0	1812.0
22.5°	1835.7	1813.7	1785.0	1788.3	1793.4	1779.9	1773.1	1810.3	1850.9	1874.6	1876.2
25°	1955.7	1899.9	1876.2	1879.6	1872.9	1862.7	1867.8	1915.1	1935.4	1986.1	1976.0
27.5°	2019.9	1987.8	1970.9	1932.0	1933.7	1918.5	1938.8	2009.8	2050.3	2089.2	2011.5
30°	2097.7	2077.4	2003.0	1989.5	1987.8	1981.0	2018.2	2109.5	2170.4	2192.3	2080.8
32.5°	2249.8	2168.7	2150.1	2138.2	2111.2	2119.6	2138.2	2258.3	2354.6	2349.5	2145.0
35°	2423.9	2368.1	2315.7	2305.6	2302.2	2278.5	2310.7	2450.9	2525.3	2503.3	2168.7
37.5°	2702.8	2618.3	2547.3	2508.4	2501.7	2484.8	2560.8	2672.4	2768.7	2682.5	2187.3
40°	2839.7	2745.1	2679.1	2655.5	2660.5	2684.2	2758.6	2929.3	2971.6	2812.7	2202.5
42.5°	3035.8	2932.7	2802.5	2790.7	2775.5	2787.3	2931.0	3160.9	3196.4	2988.5	2145.0
45°	3384.0	3228.5	3078.1	3010.4	3013.8	3045.9	3269.1	3520.9	3455.0	3110.2	2053.7
47.5°	3823.5	3595.3	3473.6	3382.3	3426.3	3390.8	3745.7	3946.9	3722.1	3264.0	1942.2
50°	4484.4	4164.9	3999.3	3889.4	3908.0	3938.4	4298.5	4469.2	4017.9	3338.4	1771.4
52.5°	5317.7	4907.0	4663.6	4516.5	4530.0	4596.0	5060.8	5008.4	4355.9	3400.9	1543.3
55°	6315.0	5892.4	5420.8	5360.0	5344.8	5502.0	6014.1	5572.9	4660.2	3301.2	1306.6
56°	6842.4	6392.7	5902.6	5777.5	5740.3	5850.2	6451.9	5855.2	4765.0	3189.6	1193.4
57°	7290.3	6861.0	6323.4	6110.5	6157.8	6364.0	6886.3	6120.6	4861.3	3074.7	1086.9
58°	7905.6	7415.4	6847.4	6685.2	6642.9	6806.9	7354.5	6387.7	4893.4	2956.4	988.8
59°	8519.2	7930.9	7418.8	7123.0	7134.8	7434.0	7816.0	6705.5	4942.5	2805.9	863.7
60°	8985.7	8689.9	8005.3	7783.9	7753.4	8186.2	8275.8	6918.4	4994.9	2603.1	775.9
61°	9646.6	9261.2	8624.0	8338.3	8421.1	8767.6	8772.7	7185.5	4917.1	2346.1	667.7
62°	10121.6	10020.2	9350.8	9078.7	9053.3	9513.1	9289.9	7420.5	4849.5	2102.7	589.9
63°	10677.7	10677.7	10067.5	9854.5	9866.3	10229.8	9514.8	7655.4	4771.7	1834.0	518.9
64°	10966.7	11330.1	10767.3	10468.1	10545.8	10860.2	9915.4	7809.2	4531.7	1561.8	456.4
65°	11216.9	11762.9	11450.2	11311.5	11193.2	11379.2	10261.9	7952.9	4164.9	1328.6	405.7
66°	11428.2	12170.2	12067.1	11918.4	11906.5	11864.3	10329.5	7947.8	3786.3	1122.4	355.0
67°	11321.7	12178.7	12366.3	12428.8	12410.3	11964.0	10211.2	7767.0	3301.2	948.3	316.1
67.5°	11225.3	12109.4	12545.5	12510.0	12587.7	12048.5	10231.4	7545.5	2956.4	858.7	297.5
68°	11140.8	12016.4	12618.2	12663.8	12624.9	12058.7	10119.9	7369.7	2721.4	806.3	280.6
69°	10500.2	11575.2	12501.5	12665.5	12565.8	11671.6	9764.9	6911.7	2161.9	688.0	258.6
70°	9857.9	11003.9	11935.3	12236.1	12112.8	10922.8	9317.0	6183.2	1783.3	588.2	233.3
71°	8968.8	9942.4	11181.4	11362.3	11213.5	10070.9	8390.7	5414.1	1387.7	498.6	207.9
72°	7761.9	8588.5	9771.7	10209.5	9989.7	8845.4	7454.3	4474.2	1124.1	419.2	189.3
72.5°	7163.5	8010.4	9151.3	9186.8	9229.1	8312.9	7057.0	3930.0	980.4	388.8	184.2
73°	6595.6	7425.5	8412.7	8537.8	8358.6	7415.4	6463.7	3514.2	895.9	355.0	177.5
74°	5344.8	5818.0	6636.2	6757.9	6600.7	6046.2	5282.2	2694.4	713.3	305.9	162.3
75°	4205.5	4465.8	5206.2	5131.8	4896.8	4702.4	4095.6	2058.8	578.1	268.8	150.4



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**CANDELA DISTRIBUTION (continued):**

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1889.8	2047.0	2170.4	2170.4	2183.9	2084.2	1888.1	944.9	356.7	194.4	123.4
80°	720.1	806.3	833.3	835.0	846.8	877.3	816.4	464.8	211.3	138.6	99.7
82.5°	522.3	730.2	786.0	745.4	748.8	676.1	312.7	206.2	133.5	96.3	72.7
85°	473.3	635.6	672.7	667.7	669.4	625.4	184.2	101.4	77.8	60.9	50.7
87.5°	229.9	224.8	238.3	268.8	262.0	339.8	155.5	50.7	33.8	25.4	25.4
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°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1431.7	1430.0	1453.7	1430.0	1443.5	1433.4
5°	1448.6	1455.4	1460.4	1470.6	1446.9	1470.6
7.5°	1499.3	1506.1	1507.8	1516.2	1506.1	1504.4
10°	1538.2	1555.1	1565.2	1531.4	1551.7	1550.0
12.5°	1614.2	1597.3	1595.7	1588.9	1570.3	1563.5
15°	1668.3	1643.0	1627.8	1600.7	1578.7	1570.3
17.5°	1744.4	1695.4	1632.8	1577.1	1538.2	1507.8
20°	1791.7	1703.8	1578.7	1512.8	1453.7	1467.2
22.5°	1822.2	1695.4	1529.7	1445.2	1386.1	1403.0
25°	1832.3	1653.1	1495.9	1391.1	1333.7	1321.8
27.5°	1803.6	1604.1	1430.0	1311.7	1261.0	1271.1
30°	1790.0	1533.1	1369.2	1252.5	1184.9	1195.0
32.5°	1754.5	1460.4	1288.0	1169.7	1120.7	1103.8
35°	1703.8	1399.6	1210.3	1098.7	1039.5	1026.0
37.5°	1641.3	1323.5	1142.6	1007.4	955.0	944.9
40°	1548.3	1232.2	1044.6	928.0	867.1	865.4
42.5°	1467.2	1144.3	953.3	833.3	772.5	775.9
45°	1364.1	1026.0	848.5	745.4	684.6	688.0
47.5°	1232.2	916.1	748.8	633.9	583.2	579.8
50°	1076.7	791.1	627.1	529.1	486.8	478.4
52.5°	928.0	664.3	513.9	426.0	390.5	387.1
55°	740.4	517.2	400.6	334.7	307.6	309.3
56°	672.7	476.7	365.1	305.9	285.7	285.7
57°	608.5	422.6	331.3	282.3	263.7	263.7
58°	537.5	371.9	300.9	255.2	246.8	240.0
59°	488.5	338.1	272.1	241.7	228.2	226.5
60°	431.0	304.3	253.5	226.5	216.4	214.7
61°	382.0	273.8	233.3	211.3	207.9	207.9
62°	341.4	253.5	216.4	204.5	202.8	197.8
63°	305.9	233.3	207.9	194.4	189.3	194.4
64°	273.8	214.7	201.1	191.0	184.2	187.6
65°	248.5	206.2	192.7	185.9	179.2	180.9
66°	231.6	192.7	185.9	177.5	174.1	175.8
67°	209.6	185.9	179.2	170.7	169.0	170.7
67.5°	202.8	180.9	175.8	167.3	165.7	167.3
68°	197.8	177.5	174.1	165.7	164.0	162.3
69°	184.2	170.7	165.7	162.3	158.9	157.2
70°	172.4	164.0	160.6	155.5	152.1	150.4
71°	165.7	155.5	153.8	148.7	145.4	143.7
72°	157.2	150.4	147.1	140.3	138.6	140.3
72.5°	155.5	147.1	145.4	138.6	136.9	136.9
73°	150.4	140.3	142.0	135.2	131.8	135.2
74°	140.3	136.9	133.5	128.5	126.8	126.8
75°	131.8	128.5	125.1	121.7	121.7	121.7



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**CANDELA DISTRIBUTION (continued):**

	135°	145°	155°	165°	175°	180°
77.5°	111.6	109.9	111.6	104.8	103.1	101.4
80°	89.6	89.6	91.3	86.2	82.8	81.1
82.5°	67.6	69.3	72.7	67.6	64.2	60.9
85°	43.9	45.6	45.6	40.6	47.3	43.9
87.5°	22.0	23.7	22.0	20.3	23.7	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)