

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: P675806

Luminaire Tested: **CCW-SA-2C-722-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675806
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

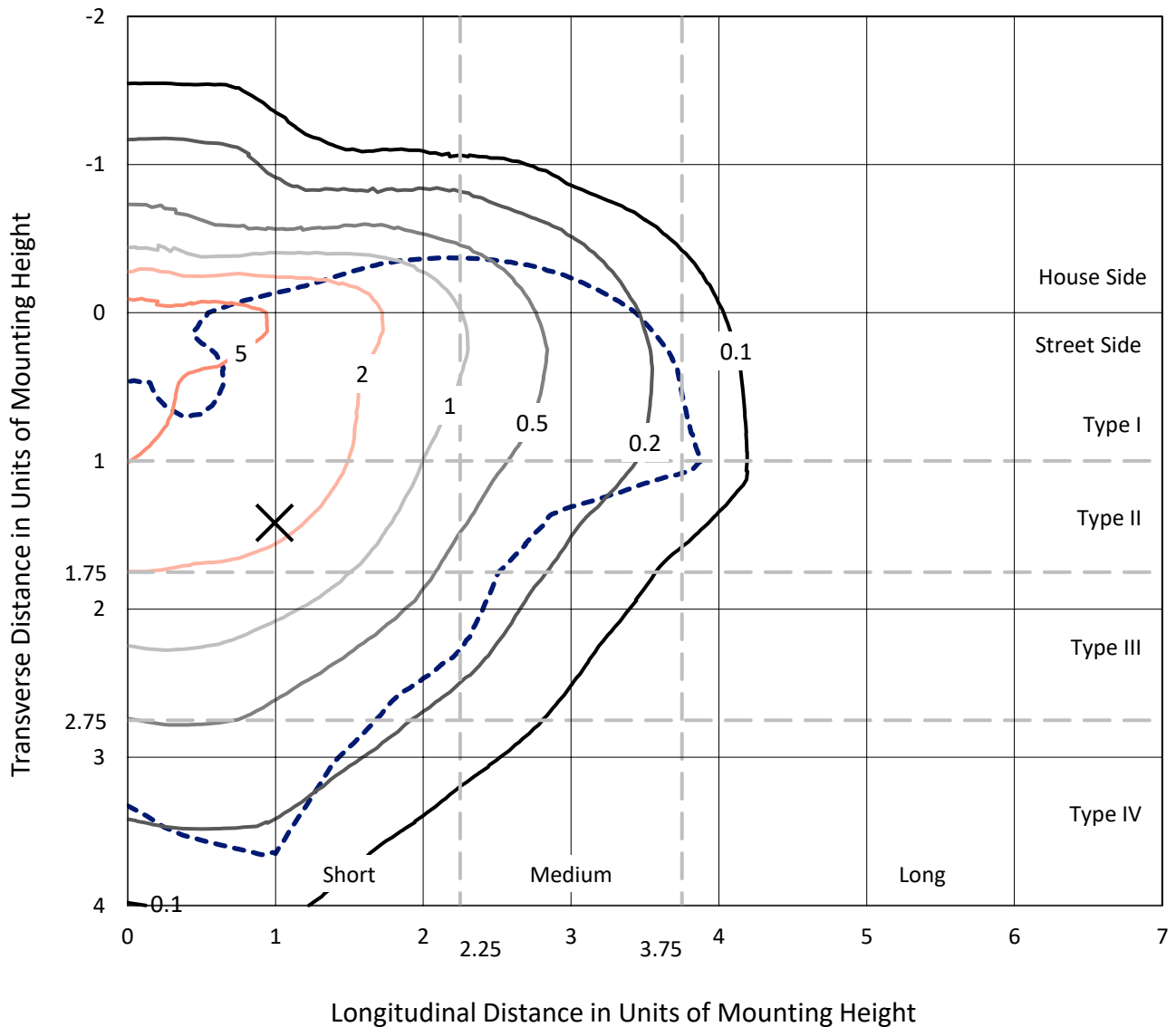
Lumens per Lamp: N/A
Luminaire Lumens: 5526 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

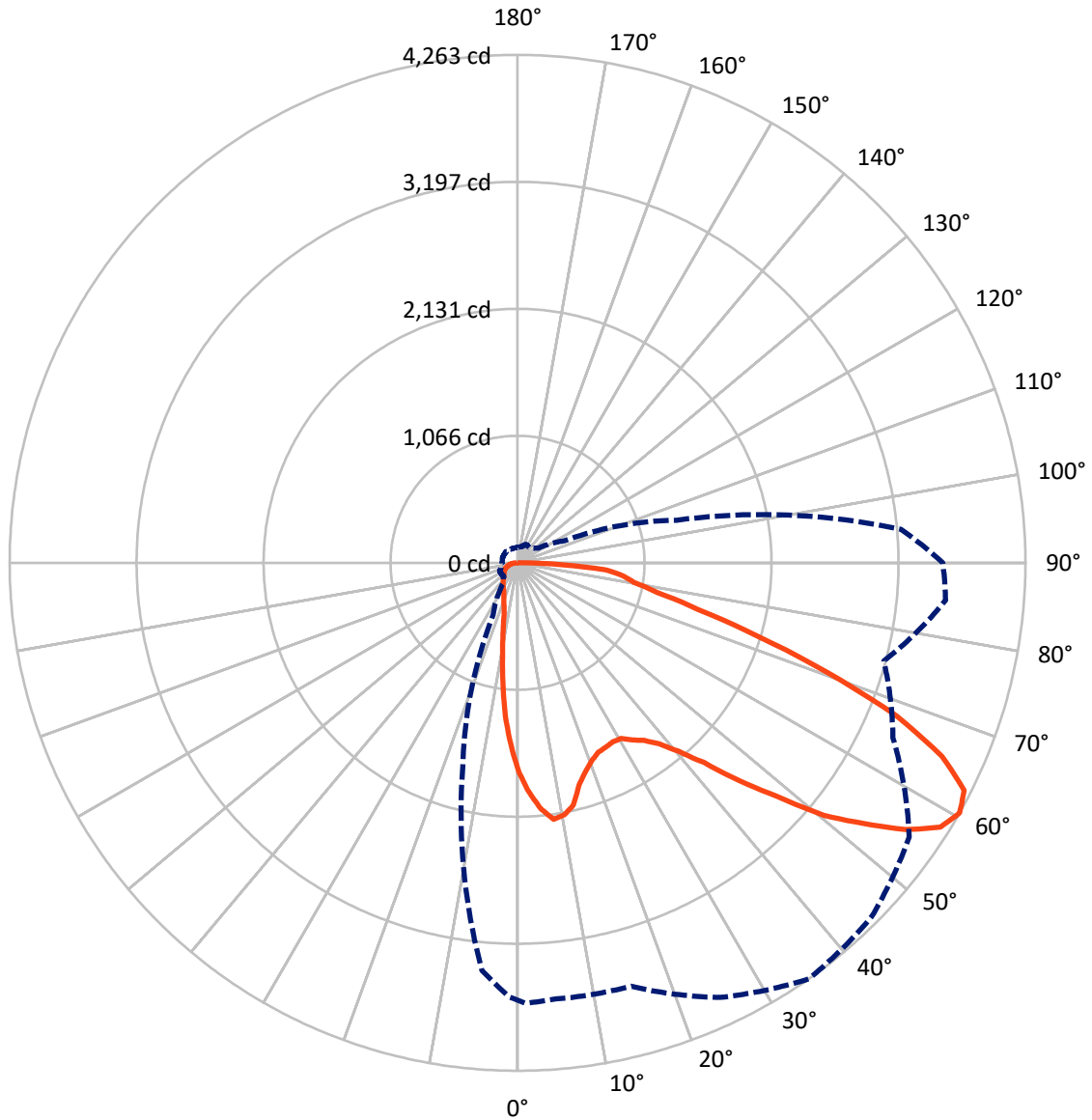
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1051.7	0.0	1051.7
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	4474.3	0.0	4474.3
	% Fixture	81.0	0.0	81.0
Total	Lumens	5526.0	0.0	5526.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	2.5
10°-20°	289.5	5.2
20°-30°	423.6	7.7
30°-40°	596.8	10.8
40°-50°	820.1	14.8
50°-60°	1117.8	20.2
60°-70°	1223.3	22.1
70°-80°	706.3	12.8
80°-90°	211.5	3.8
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°	5526.0	100.0
0°-180°	5526.0	100.0

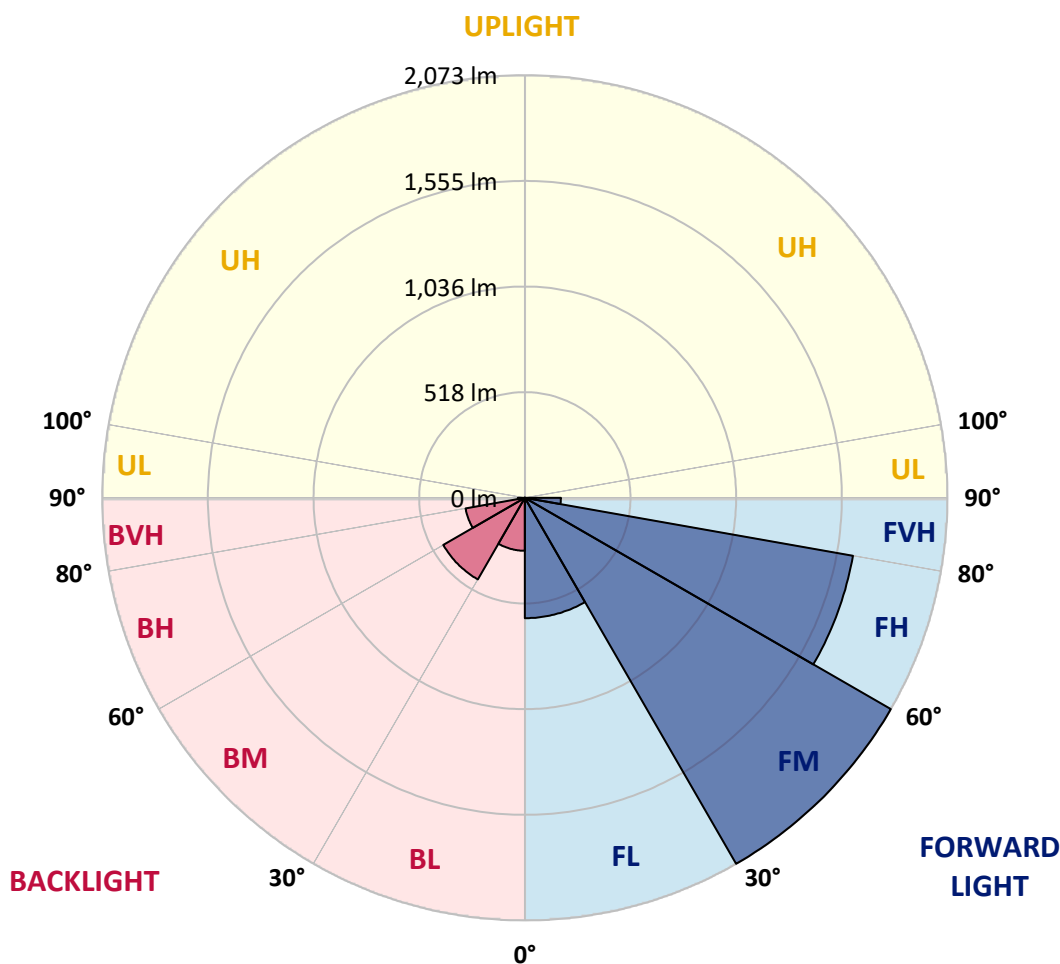


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.3	10.7			
FM (30°-60°)	2072.7	37.5			
FH (60°-80°)	1634.2	29.6			G1/1800
FVH (80°-90°)	177.0	3.2			G2/225
BL (0°-30°)	259.8	4.7	B1/500		
BM (30°-60°)	462.0	8.4	B1/1000		
BH (60°-80°)	295.4	5.3	B1/500		G1/500
BVH (80°-90°)	34.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0
2.5°	1890.0	1882.6	1890.0	1916.9	1924.3	1936.6	1936.6	1919.4	1887.5	1872.8	1848.3
5°	1931.7	1919.4	1980.7	2037.1	2081.2	2076.3	2034.6	2000.3	1936.6	1841.0	1750.3
7.5°	1848.3	1860.6	1904.7	2051.8	2154.7	2174.3	2108.1	2039.5	1902.2	1769.9	1647.3
10°	1691.4	1708.6	1804.2	1956.2	2118.0	2149.8	2108.1	2024.8	1860.6	1696.3	1554.1
12.5°	1615.4	1654.7	1711.0	1894.9	2010.1	2086.1	2066.5	2012.5	1828.7	1635.0	1497.8
15°	1615.4	1625.2	1708.6	1863.0	1929.2	1931.7	1939.0	1948.8	1838.5	1662.0	1478.2
17.5°	1666.9	1693.9	1765.0	1860.6	1872.8	1843.4	1843.4	1885.1	1858.1	1738.0	1549.2
20°	1791.9	1782.1	1875.3	1914.5	1848.3	1774.8	1767.4	1838.5	1880.2	1818.9	1679.2
22.5°	1916.9	1961.1	2037.1	1948.8	1826.2	1728.2	1718.4	1806.6	1946.4	1958.6	1828.7
25°	2105.7	2149.8	2189.0	2081.2	1823.8	1715.9	1723.3	1791.9	2027.3	2157.2	2078.7
27.5°	2309.2	2336.1	2392.5	2225.8	1882.6	1701.2	1708.6	1811.5	2103.2	2287.1	2274.8
30°	2424.4	2453.8	2441.5	2252.8	1921.8	1711.0	1691.4	1838.5	2061.6	2287.1	2402.3
32.5°	2537.1	2520.0	2512.6	2296.9	1970.9	1772.3	1723.3	1894.9	2086.1	2323.9	2566.5
35°	2674.4	2649.9	2630.3	2382.7	2051.8	1831.1	1809.1	1968.4	2140.0	2399.9	2698.9
37.5°	2826.4	2826.4	2730.8	2446.4	2147.4	1926.8	1902.2	2073.8	2225.8	2446.4	2880.3
40°	3005.3	3012.7	2843.6	2532.2	2255.2	2078.7	2071.4	2211.1	2309.2	2515.1	3054.4
42.5°	3137.7	3142.6	2941.6	2564.1	2380.2	2289.5	2321.4	2431.7	2404.8	2576.4	3066.6
45°	3228.4	3203.9	3010.2	2654.8	2517.5	2605.8	2615.6	2647.4	2529.8	2613.1	3115.6
47.5°	3272.5	3267.6	3039.7	2760.2	2806.8	2926.9	2983.3	2939.2	2645.0	2573.9	3115.6
50°	3316.7	3275.0	3066.6	2904.8	3088.7	3331.4	3319.1	3238.2	2804.3	2622.9	3069.1
52.5°	3346.1	3309.3	3120.6	3034.8	3358.3	3632.9	3681.9	3532.4	2990.6	2713.6	3091.1
55°	3451.5	3422.1	3282.3	3211.3	3669.7	3951.6	3958.9	3750.5	3186.7	2863.2	3235.8
57.5°	3579.0	3596.1	3505.4	3461.3	3907.4	4184.4	4157.5	3912.3	3353.4	3044.6	3402.5
60°	3669.7	3696.6	3674.6	3679.5	4025.1	4262.9	4201.6	4012.8	3476.0	3181.8	3605.9
62.5°	3620.6	3674.6	3765.3	3745.6	4030.0	4206.5	4120.7	3880.5	3490.7	3360.8	3760.3
65°	3485.8	3490.7	3667.2	3775.1	3809.4	3914.8	3802.0	3603.5	3338.7	3471.1	3738.3
67.5°	3140.2	3179.4	3338.7	3549.5	3404.9	3429.4	3419.6	3132.8	3108.3	3395.1	3569.1
70°	2772.5	2799.4	2973.5	3221.1	2875.4	2760.2	2782.3	2569.0	2669.5	3159.8	3228.4
72.5°	2292.0	2309.2	2507.7	2725.9	2306.7	2100.8	2152.3	1978.2	2120.4	2765.1	2723.4
75°	1730.6	1762.5	1916.9	2174.3	1698.8	1566.4	1617.9	1546.8	1679.2	2277.3	2113.1
77.5°	1230.6	1206.1	1397.3	1701.2	1277.1	1198.7	1203.6	1215.9	1358.0	1919.4	1517.4
80°	838.4	845.7	1017.3	1247.7	1002.6	990.3	978.1	1076.1	1139.9	1519.8	1103.1
82.5°	497.6	497.6	686.4	887.4	791.8	892.3	835.9	924.2	892.3	1117.8	723.1
85°	232.9	232.9	353.0	639.8	612.8	735.4	625.1	698.6	659.4	779.5	326.0
87.5°	39.2	34.3	71.1	313.8	252.5	286.8	112.8	372.6	414.3	544.2	80.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0
2.5°	1821.3	1804.2	1769.9	1725.7	1689.0	1642.4	1627.7	1595.8	1551.7	1546.8	1527.2
5°	1715.9	1657.1	1583.6	1492.9	1431.6	1367.8	1313.9	1282.0	1245.3	1240.4	1230.6
7.5°	1600.7	1527.2	1404.6	1296.8	1191.3	1090.8	1041.8	980.5	938.9	907.0	892.3
10°	1492.9	1424.2	1272.2	1125.2	1032.0	965.8	907.0	843.3	791.8	752.6	737.9
12.5°	1421.8	1340.9	1176.6	1036.9	968.3	892.3	826.1	757.5	691.3	639.8	612.8
15°	1389.9	1313.9	1147.2	992.8	892.3	786.9	710.9	642.3	561.4	524.6	512.3
17.5°	1465.9	1353.1	1137.4	941.3	799.1	679.0	585.9	512.3	453.5	416.7	402.0
20°	1564.0	1424.2	1154.6	880.0	710.9	576.1	473.1	394.7	355.4	328.5	326.0
22.5°	1689.0	1529.6	1181.5	835.9	612.8	463.3	370.2	323.6	296.6	294.2	289.3
25°	1912.0	1720.8	1225.7	777.1	534.4	382.4	316.2	289.3	277.0	269.6	274.5
27.5°	2103.2	1845.9	1257.5	740.3	502.5	360.3	306.4	277.0	264.7	262.3	264.7
30°	2216.0	1961.1	1247.7	671.7	438.8	343.2	326.0	316.2	291.7	272.1	272.1
32.5°	2319.0	2034.6	1245.3	610.4	375.1	286.8	272.1	264.7	279.5	289.3	281.9
35°	2461.1	2149.8	1237.9	576.1	348.1	264.7	240.2	220.6	210.8	205.9	213.3
37.5°	2613.1	2228.3	1218.3	571.2	333.4	252.5	232.9	213.3	203.5	198.6	196.1
40°	2779.8	2311.6	1196.3	546.6	326.0	245.1	225.5	208.4	196.1	188.8	186.3
42.5°	2887.7	2377.8	1174.2	534.4	311.3	240.2	218.2	203.5	191.2	181.4	181.4
45°	2949.0	2456.2	1152.1	522.1	294.2	242.7	218.2	198.6	183.9	178.9	174.0
47.5°	2975.9	2515.1	1144.8	502.5	279.5	232.9	213.3	193.7	178.9	169.1	166.7
50°	3047.0	2640.1	1171.7	487.8	262.3	223.1	225.5	191.2	176.5	164.2	161.8
52.5°	3088.7	2740.6	1230.6	465.8	250.0	210.8	220.6	186.3	169.1	156.9	156.9
55°	3240.7	2907.3	1294.3	448.6	235.3	193.7	203.5	176.5	156.9	149.5	149.5
57.5°	3434.3	3083.8	1348.2	441.2	225.5	181.4	181.4	171.6	149.5	139.7	137.3
60°	3569.1	3228.4	1380.1	436.3	215.7	169.1	161.8	171.6	142.2	132.4	129.9
62.5°	3583.9	3145.1	1348.2	433.9	213.3	156.9	147.1	164.2	134.8	125.0	120.1
65°	3490.7	2975.9	1260.0	424.1	210.8	144.6	137.3	142.2	125.0	117.7	112.8
67.5°	3304.4	2701.4	1132.5	419.2	208.4	134.8	125.0	122.6	115.2	107.9	103.0
70°	2870.5	2343.5	983.0	397.1	203.5	127.5	112.8	110.3	103.0	98.1	95.6
72.5°	2409.7	1916.9	811.4	367.7	193.7	115.2	103.0	98.1	95.6	88.2	85.8
75°	1845.9	1475.7	649.6	326.0	169.1	103.0	90.7	85.8	83.3	78.4	76.0
77.5°	1296.8	1098.2	480.5	264.7	142.2	93.2	80.9	76.0	73.5	66.2	66.2
80°	880.0	769.7	326.0	183.9	110.3	76.0	71.1	66.2	61.3	56.4	56.4
82.5°	546.6	539.3	235.3	120.1	80.9	61.3	56.4	56.4	49.0	44.1	44.1
85°	250.0	330.9	164.2	83.3	61.3	46.6	46.6	44.1	39.2	31.9	31.9
87.5°	78.4	110.3	85.8	36.8	34.3	27.0	27.0	24.5	24.5	19.6	19.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0
2.5°	1546.8	1544.3	1544.3	1534.5	1559.0	1559.0	1573.8	1561.5	1568.9	1571.3	1590.9
5°	1228.1	1247.7	1262.4	1291.9	1309.0	1316.4	1316.4	1336.0	1328.6	1343.3	1372.7
7.5°	899.6	924.2	968.3	1005.0	1034.5	1044.3	1041.8	1046.7	1054.1	1036.9	1041.8
10°	728.0	710.9	725.6	759.9	786.9	818.7	794.2	791.8	799.1	791.8	806.5
12.5°	607.9	588.3	576.1	576.1	595.7	610.4	603.0	615.3	642.3	649.6	666.8
15°	492.7	475.6	465.8	453.5	473.1	478.0	485.4	502.5	522.1	531.9	551.6
17.5°	394.7	394.7	394.7	384.9	392.2	399.6	402.0	424.1	426.5	436.3	443.7
20°	323.6	330.9	343.2	348.1	355.4	355.4	350.5	362.8	353.0	360.3	365.2
22.5°	291.7	301.5	306.4	308.9	318.7	321.1	308.9	311.3	313.8	306.4	308.9
25°	274.5	279.5	274.5	277.0	279.5	274.5	277.0	281.9	279.5	284.4	281.9
27.5°	267.2	262.3	259.8	257.4	257.4	252.5	254.9	254.9	259.8	262.3	262.3
30°	267.2	259.8	250.0	242.7	242.7	235.3	240.2	245.1	247.6	252.5	252.5
32.5°	274.5	259.8	242.7	235.3	228.0	223.1	228.0	235.3	245.1	247.6	250.0
35°	218.2	225.5	223.1	213.3	210.8	210.8	208.4	208.4	201.0	201.0	198.6
37.5°	196.1	193.7	198.6	201.0	203.5	196.1	196.1	186.3	183.9	186.3	186.3
40°	183.9	183.9	183.9	191.2	193.7	188.8	181.4	176.5	176.5	176.5	178.9
42.5°	178.9	174.0	171.6	176.5	183.9	178.9	171.6	169.1	169.1	171.6	171.6
45°	171.6	169.1	166.7	164.2	174.0	166.7	164.2	161.8	161.8	161.8	164.2
47.5°	164.2	161.8	156.9	156.9	159.3	156.9	154.4	154.4	154.4	159.3	159.3
50°	159.3	156.9	152.0	152.0	152.0	152.0	149.5	149.5	149.5	152.0	154.4
52.5°	152.0	149.5	147.1	144.6	144.6	144.6	144.6	144.6	144.6	147.1	149.5
55°	144.6	142.2	139.7	139.7	142.2	142.2	139.7	142.2	139.7	142.2	144.6
57.5°	137.3	134.8	132.4	134.8	137.3	134.8	134.8	134.8	134.8	134.8	137.3
60°	127.5	127.5	127.5	127.5	132.4	132.4	132.4	132.4	127.5	129.9	132.4
62.5°	122.6	120.1	120.1	122.6	125.0	125.0	127.5	125.0	122.6	125.0	125.0
65°	112.8	112.8	112.8	115.2	115.2	117.7	117.7	117.7	115.2	117.7	117.7
67.5°	105.4	105.4	105.4	105.4	110.3	110.3	110.3	110.3	107.9	107.9	110.3
70°	93.2	95.6	93.2	98.1	103.0	100.5	103.0	103.0	100.5	98.1	103.0
72.5°	85.8	85.8	85.8	85.8	93.2	93.2	93.2	95.6	93.2	90.7	93.2
75°	76.0	76.0	76.0	78.4	83.3	83.3	83.3	83.3	83.3	80.9	80.9
77.5°	66.2	68.6	66.2	68.6	73.5	71.1	73.5	76.0	73.5	71.1	71.1
80°	56.4	56.4	56.4	58.8	61.3	61.3	61.3	63.7	61.3	58.8	58.8
82.5°	44.1	44.1	46.6	46.6	49.0	49.0	49.0	51.5	49.0	46.6	46.6
85°	34.3	34.3	34.3	36.8	36.8	39.2	39.2	41.7	41.7	39.2	39.2
87.5°	22.1	19.6	22.1	22.1	24.5	24.5	22.1	19.6	22.1	19.6	17.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0	1765.0
2.5°	1610.5	1654.7	1686.5	1708.6	1740.4	1801.7	1826.2	1870.4	1882.6	1890.0
5°	1385.0	1431.6	1500.2	1549.2	1605.6	1720.8	1809.1	1875.3	1904.7	1931.7
7.5°	1085.9	1147.2	1218.3	1282.0	1375.2	1517.4	1632.6	1769.9	1821.3	1848.3
10°	848.2	904.5	983.0	1061.4	1191.3	1311.5	1475.7	1600.7	1671.8	1691.4
12.5°	715.8	782.0	875.1	970.7	1051.6	1188.9	1355.6	1537.0	1603.2	1615.4
15°	607.9	698.6	794.2	892.3	985.4	1105.6	1284.5	1505.1	1603.2	1615.4
17.5°	502.5	583.4	696.2	801.6	909.4	1073.7	1296.8	1532.1	1630.1	1666.9
20°	399.6	478.0	566.3	698.6	845.7	1019.8	1323.7	1622.8	1752.7	1791.9
22.5°	330.9	365.2	451.0	578.5	752.6	983.0	1350.7	1765.0	1902.2	1916.9
25°	289.3	313.8	367.7	487.8	679.0	958.5	1414.4	1929.2	2105.7	2105.7
27.5°	269.6	279.5	316.2	424.1	627.5	936.4	1478.2	2110.6	2274.8	2309.2
30°	264.7	289.3	308.9	377.5	571.2	875.1	1537.0	2252.8	2421.9	2424.4
32.5°	259.8	254.9	269.6	328.5	502.5	811.4	1586.0	2397.4	2529.8	2537.1
35°	203.5	213.3	237.8	289.3	451.0	764.8	1610.5	2475.8	2667.1	2674.4
37.5°	191.2	203.5	223.1	267.2	416.7	725.6	1617.9	2627.8	2811.7	2826.4
40°	186.3	196.1	210.8	247.6	389.8	676.6	1632.6	2784.7	3024.9	3005.3
42.5°	176.5	188.8	203.5	237.8	367.7	639.8	1635.0	2870.5	3137.7	3137.7
45°	174.0	181.4	198.6	237.8	343.2	607.9	1595.8	2956.3	3267.6	3228.4
47.5°	164.2	178.9	193.7	230.4	313.8	576.1	1549.2	3000.4	3284.8	3272.5
50°	161.8	176.5	201.0	218.2	296.6	561.4	1539.4	3110.7	3319.1	3316.7
52.5°	156.9	171.6	208.4	208.4	274.5	541.7	1586.0	3159.8	3326.5	3346.1
55°	149.5	171.6	193.7	191.2	254.9	517.2	1637.5	3287.2	3456.4	3451.5
57.5°	144.6	166.7	183.9	174.0	232.9	500.1	1713.5	3409.8	3613.3	3579.0
60°	137.3	166.7	164.2	161.8	215.7	485.4	1777.2	3434.3	3647.6	3669.7
62.5°	132.4	174.0	144.6	149.5	201.0	478.0	1750.3	3250.5	3601.0	3620.6
65°	127.5	149.5	132.4	137.3	196.1	463.3	1644.8	3029.9	3400.0	3485.8
67.5°	117.7	122.6	122.6	127.5	191.2	429.0	1429.1	2632.7	3093.6	3140.2
70°	107.9	110.3	110.3	117.7	186.3	389.8	1179.1	2277.3	2684.2	2772.5
72.5°	98.1	98.1	98.1	107.9	171.6	357.9	970.7	1750.3	2230.7	2292.0
75°	85.8	85.8	85.8	95.6	154.4	326.0	764.8	1301.7	1642.4	1730.6
77.5°	76.0	76.0	73.5	85.8	134.8	264.7	551.6	919.3	1157.0	1230.6
80°	63.7	61.3	61.3	68.6	105.4	191.2	355.4	649.6	806.5	838.4
82.5°	51.5	49.0	46.6	51.5	76.0	120.1	220.6	453.5	517.2	497.6
85°	49.0	51.5	41.7	39.2	53.9	78.4	139.7	279.5	232.9	232.9
87.5°	19.6	17.2	17.2	14.7	27.0	29.4	61.3	51.5	39.2	39.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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