

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: P675835

Luminaire Tested: **CCW-SA-1E-735-U-SLL**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675835  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-735-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SLL distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

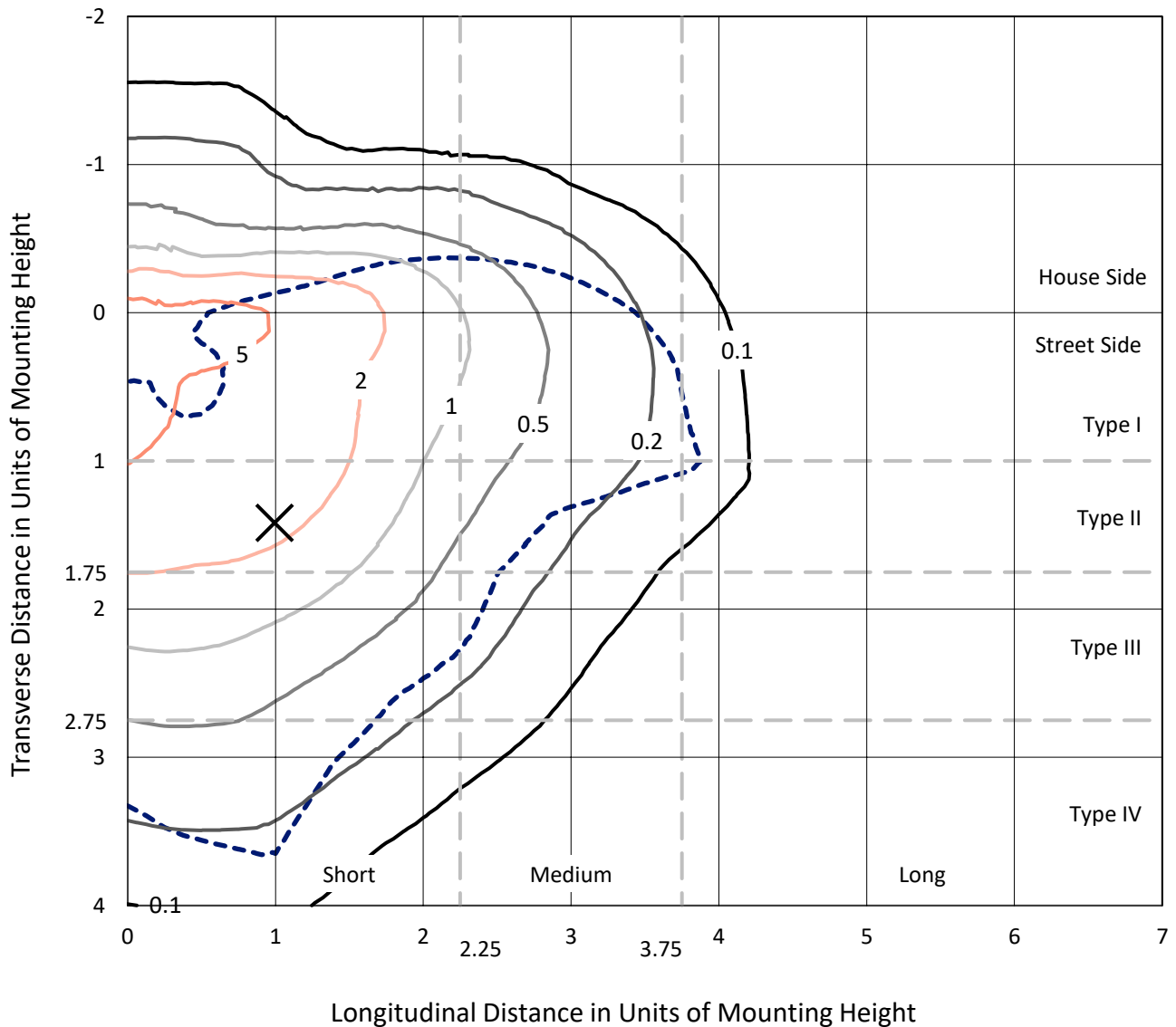
Lumens per Lamp: N/A  
Luminaire Lumens: 5595.2 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

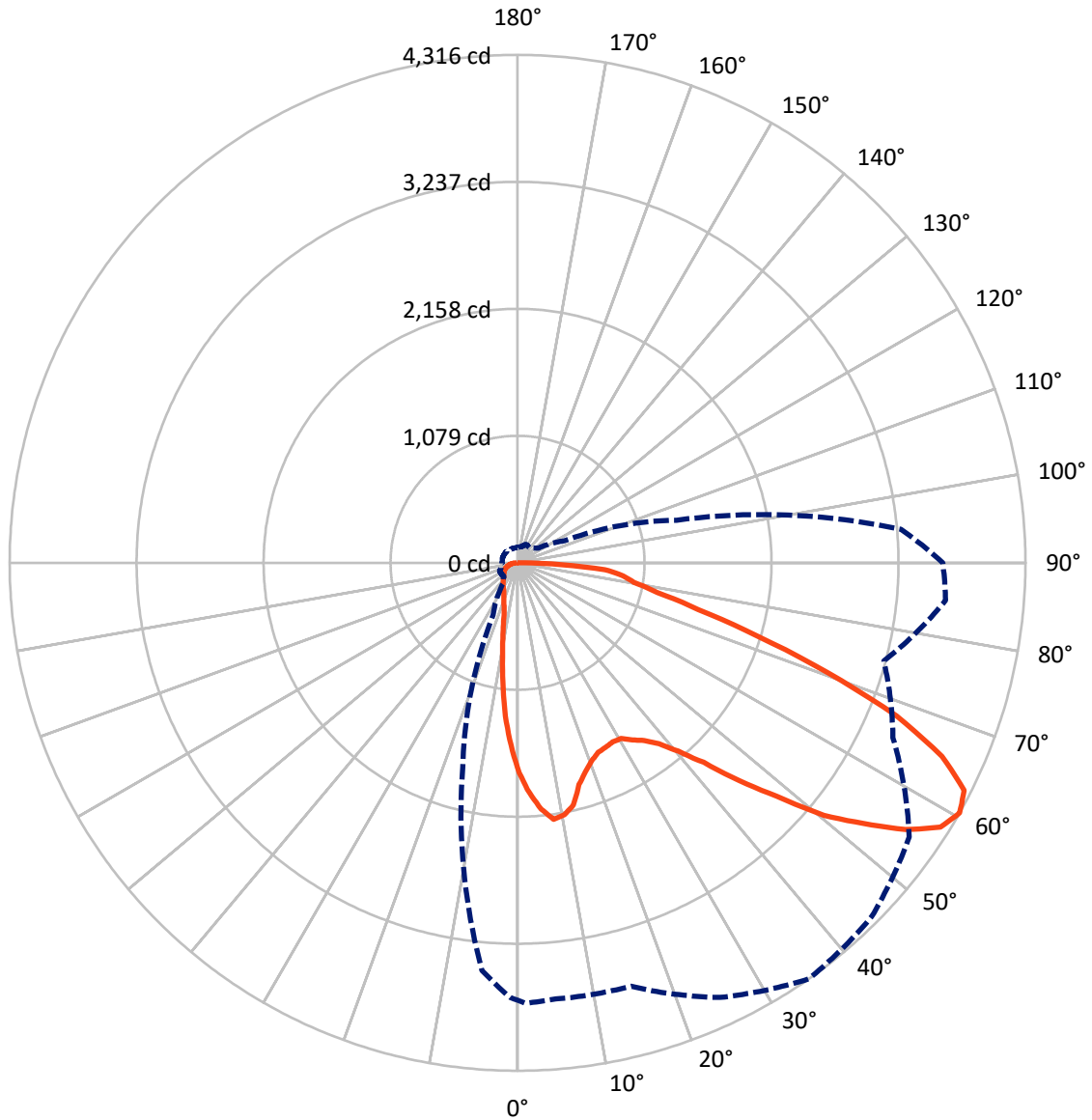
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.1 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
<b>House Side</b>	Lumens	1064.8	0.0	1064.8
	% Fixture	19.0	0.0	19.0
<b>Street Side</b>	Lumens	4530.3	0.0	4530.3
	% Fixture	81.0	0.0	81.0
<b>Total</b>	Lumens	5595.2	0.0	5595.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	2.5
10°-20°	293.1	5.2
20°-30°	428.9	7.7
30°-40°	604.2	10.8
40°-50°	830.4	14.8
50°-60°	1131.8	20.2
60°-70°	1238.7	22.1
70°-80°	715.1	12.8
80°-90°	214.2	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°	5595.2	100.0
0°-180°	5595.2	100.0



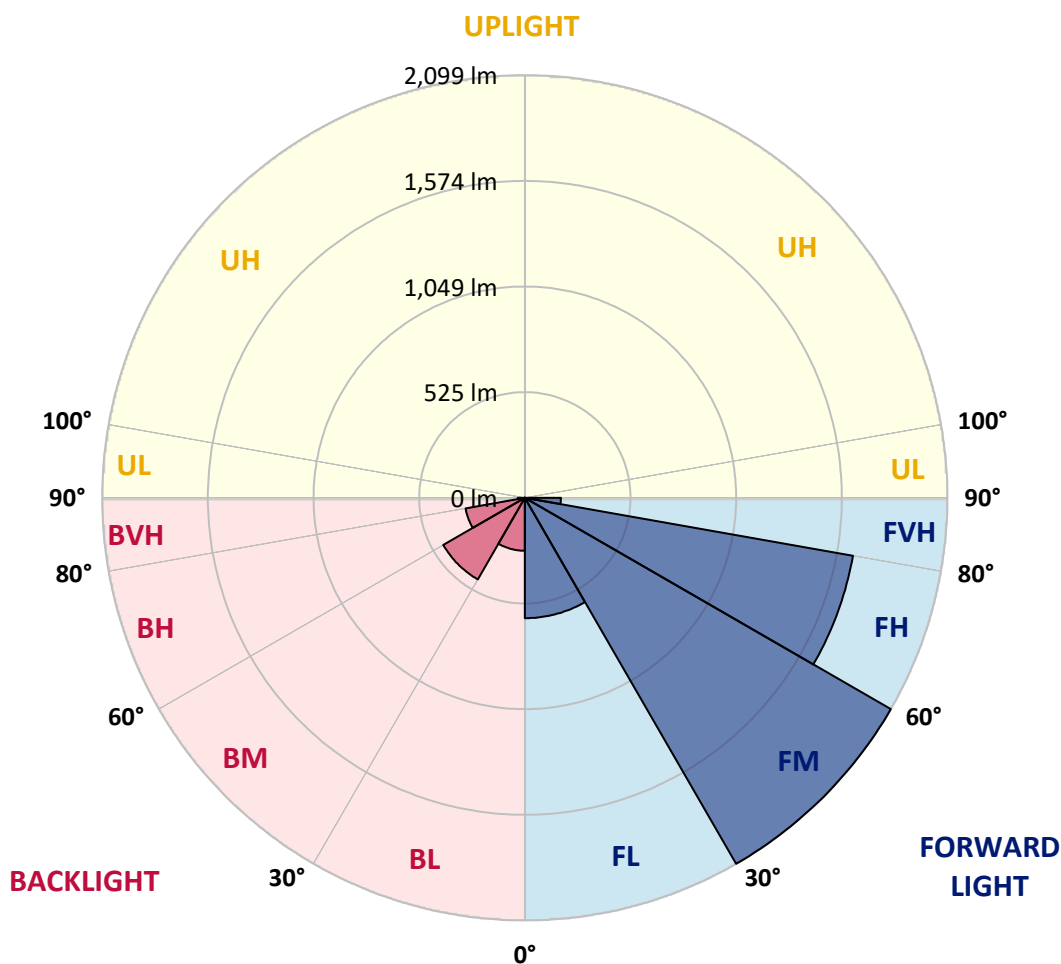
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.7	10.7			
FM (30°-60°)	2098.6	37.5			
FH (60°-80°)	1654.7	29.6			G1/1800
FVH (80°-90°)	179.3	3.2			G2/225
BL (0°-30°)	263.1	4.7	B1/500		
BM (30°-60°)	467.8	8.4	B1/1000		
BH (60°-80°)	299.1	5.3	B1/500		G1/500
BVH (80°-90°)	34.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1
2.5°	1913.6	1906.2	1913.6	1940.9	1948.4	1960.8	1960.8	1943.4	1911.2	1896.3	1871.4
5°	1955.8	1943.4	2005.5	2062.6	2107.2	2102.3	2060.1	2025.3	1960.8	1864.0	1772.2
7.5°	1871.4	1883.9	1928.5	2077.5	2181.7	2201.6	2134.5	2065.0	1926.1	1792.0	1667.9
10°	1712.6	1730.0	1826.8	1980.7	2144.5	2176.7	2134.5	2050.2	1883.9	1717.6	1573.6
12.5°	1635.7	1675.4	1732.5	1918.6	2035.3	2112.2	2092.3	2037.7	1851.6	1655.5	1516.5
15°	1635.7	1645.6	1730.0	1886.3	1953.4	1955.8	1963.3	1973.2	1861.5	1682.8	1496.7
17.5°	1687.8	1715.1	1787.1	1883.9	1896.3	1866.5	1866.5	1908.7	1881.4	1759.8	1568.6
20°	1814.4	1804.4	1898.7	1938.5	1871.4	1797.0	1789.5	1861.5	1903.7	1841.7	1700.2
22.5°	1940.9	1985.6	2062.6	1973.2	1849.1	1749.8	1739.9	1829.3	1970.7	1983.1	1851.6
25°	2132.1	2176.7	2216.4	2107.2	1846.6	1737.4	1744.9	1814.4	2052.6	2184.2	2104.8
27.5°	2338.1	2365.4	2422.5	2253.7	1906.2	1722.5	1730.0	1834.2	2129.6	2315.7	2303.3
30°	2454.7	2484.5	2472.1	2281.0	1945.9	1732.5	1712.6	1861.5	2087.4	2315.7	2432.4
32.5°	2568.9	2551.5	2544.1	2325.7	1995.5	1794.5	1744.9	1918.6	2112.2	2353.0	2598.7
35°	2707.9	2683.1	2663.2	2412.5	2077.5	1854.1	1831.7	1993.1	2166.8	2429.9	2732.7
37.5°	2861.8	2861.8	2765.0	2477.1	2174.3	1950.9	1926.1	2099.8	2253.7	2477.1	2916.4
40°	3043.0	3050.4	2879.1	2563.9	2283.5	2104.8	2097.3	2238.8	2338.1	2546.6	3092.6
42.5°	3177.0	3182.0	2978.4	2596.2	2410.0	2318.2	2350.5	2462.2	2434.9	2608.6	3105.0
45°	3268.8	3244.0	3047.9	2688.0	2549.0	2638.4	2648.3	2680.6	2561.5	2645.8	3154.7
47.5°	3313.5	3308.5	3077.7	2794.8	2841.9	2963.5	3020.6	2975.9	2678.1	2606.1	3154.7
50°	3358.2	3316.0	3105.0	2941.2	3127.4	3373.1	3360.7	3278.8	2839.4	2655.8	3107.5
52.5°	3388.0	3350.7	3159.6	3072.7	3400.4	3678.4	3728.0	3576.6	3028.1	2747.6	3129.8
55°	3494.7	3464.9	3323.4	3251.5	3715.6	4001.0	4008.5	3797.5	3226.6	2899.0	3276.3
57.5°	3623.8	3641.1	3549.3	3504.6	3956.3	4236.8	4209.5	3961.3	3395.4	3082.7	3445.1
60°	3715.6	3742.9	3720.6	3725.5	4075.5	4316.2	4254.2	4063.1	3519.5	3221.7	3651.1
62.5°	3666.0	3720.6	3812.4	3792.5	4080.4	4259.2	4172.3	3929.0	3534.4	3402.9	3807.4
65°	3529.4	3534.4	3713.1	3822.3	3857.1	3963.8	3849.6	3648.6	3380.5	3514.5	3785.1
67.5°	3179.5	3219.2	3380.5	3594.0	3447.5	3472.4	3462.4	3172.0	3147.2	3437.6	3613.8
70°	2807.2	2834.5	3010.7	3261.4	2911.4	2794.8	2817.1	2601.2	2702.9	3199.3	3268.8
72.5°	2320.7	2338.1	2539.1	2760.0	2335.6	2127.1	2179.2	2003.0	2147.0	2799.7	2757.5
75°	1752.3	1784.6	1940.9	2201.6	1720.0	1586.0	1638.1	1566.2	1700.2	2305.8	2139.5
77.5°	1246.0	1221.2	1414.8	1722.5	1293.1	1213.7	1218.7	1231.1	1375.0	1943.4	1536.4
80°	848.9	856.3	1030.0	1263.4	1015.1	1002.7	990.3	1089.6	1154.1	1538.9	1116.9
82.5°	503.9	503.9	695.0	898.5	801.7	903.5	846.4	935.7	903.5	1131.8	732.2
85°	235.8	235.8	357.4	647.8	620.5	744.6	632.9	707.4	667.7	789.3	330.1
87.5°	39.7	34.7	72.0	317.7	255.6	290.4	114.2	377.3	419.5	551.0	81.9
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°	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1
2.5°	1844.1	1826.8	1792.0	1747.3	1710.1	1663.0	1648.1	1615.8	1571.1	1566.2	1546.3
5°	1737.4	1677.8	1603.4	1511.6	1449.5	1385.0	1330.4	1298.1	1260.9	1255.9	1246.0
7.5°	1620.8	1546.3	1422.2	1313.0	1206.3	1104.5	1054.9	992.8	950.6	918.3	903.5
10°	1511.6	1442.1	1288.2	1139.2	1044.9	977.9	918.3	853.8	801.7	762.0	747.1
12.5°	1439.6	1357.7	1191.4	1049.9	980.4	903.5	836.4	766.9	699.9	647.8	620.5
15°	1407.3	1330.4	1161.6	1005.2	903.5	796.7	719.8	650.3	568.4	531.2	518.7
17.5°	1484.3	1370.1	1151.7	953.1	809.1	687.5	593.2	518.7	459.2	421.9	407.1
20°	1583.5	1442.1	1169.0	891.0	719.8	583.3	479.0	399.6	359.9	332.6	330.1
22.5°	1710.1	1548.8	1196.3	846.4	620.5	469.1	374.8	327.6	300.3	297.8	292.9
25°	1936.0	1742.4	1241.0	786.8	541.1	387.2	320.2	292.9	280.5	273.0	278.0
27.5°	2129.6	1869.0	1273.3	749.6	508.8	364.9	310.3	280.5	268.1	265.6	268.1
30°	2243.8	1985.6	1263.4	680.1	444.3	347.5	330.1	320.2	295.4	275.5	275.5
32.5°	2348.0	2060.1	1260.9	618.0	379.7	290.4	275.5	268.1	283.0	292.9	285.4
35°	2492.0	2176.7	1253.4	583.3	352.4	268.1	243.2	223.4	213.5	208.5	215.9
37.5°	2645.8	2256.2	1233.6	578.3	337.6	255.6	235.8	215.9	206.0	201.0	198.6
40°	2814.6	2340.5	1211.2	553.5	330.1	248.2	228.3	211.0	198.6	191.1	188.6
42.5°	2923.8	2407.6	1188.9	541.1	315.2	243.2	220.9	206.0	193.6	183.7	183.7
45°	2985.9	2487.0	1166.6	528.7	297.8	245.7	220.9	201.0	186.2	181.2	176.2
47.5°	3013.2	2546.6	1159.1	508.8	283.0	235.8	215.9	196.1	181.2	171.3	168.8
50°	3085.2	2673.1	1186.4	493.9	265.6	225.9	228.3	193.6	178.7	166.3	163.8
52.5°	3127.4	2774.9	1246.0	471.6	253.2	213.5	223.4	188.6	171.3	158.8	158.8
55°	3281.2	2943.7	1310.5	454.2	238.3	196.1	206.0	178.7	158.8	151.4	151.4
57.5°	3477.3	3122.4	1365.1	446.8	228.3	183.7	183.7	173.7	151.4	141.5	139.0
60°	3613.8	3268.8	1397.4	441.8	218.4	171.3	163.8	173.7	144.0	134.0	131.5
62.5°	3628.7	3184.4	1365.1	439.3	215.9	158.8	148.9	166.3	136.5	126.6	121.6
65°	3534.4	3013.2	1275.8	429.4	213.5	146.4	139.0	144.0	126.6	119.1	114.2
67.5°	3345.8	2735.2	1146.7	424.4	211.0	136.5	126.6	124.1	116.7	109.2	104.2
70°	2906.5	2372.8	995.3	402.1	206.0	129.1	114.2	111.7	104.2	99.3	96.8
72.5°	2439.8	1940.9	821.6	372.3	196.1	116.7	104.2	99.3	96.8	89.4	86.9
75°	1869.0	1494.2	657.7	330.1	171.3	104.2	91.8	86.9	84.4	79.4	76.9
77.5°	1313.0	1111.9	486.5	268.1	144.0	94.3	81.9	76.9	74.5	67.0	67.0
80°	891.0	779.4	330.1	186.2	111.7	76.9	72.0	67.0	62.1	57.1	57.1
82.5°	553.5	546.0	238.3	121.6	81.9	62.1	57.1	57.1	49.6	44.7	44.7
85°	253.2	335.1	166.3	84.4	62.1	47.2	47.2	44.7	39.7	32.3	32.3
87.5°	79.4	111.7	86.9	37.2	34.7	27.3	27.3	24.8	24.8	19.9	19.9
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1
2.5°	1566.2	1563.7	1563.7	1553.7	1578.6	1578.6	1593.5	1581.1	1588.5	1591.0	1610.8
5°	1243.5	1263.4	1278.2	1308.0	1325.4	1332.8	1332.8	1352.7	1345.3	1360.1	1389.9
7.5°	910.9	935.7	980.4	1017.6	1047.4	1057.3	1054.9	1059.8	1067.3	1049.9	1054.9
10°	737.2	719.8	734.7	769.4	796.7	829.0	804.2	801.7	809.1	801.7	816.6
12.5°	615.5	595.7	583.3	583.3	603.1	618.0	610.6	623.0	650.3	657.7	675.1
15°	498.9	481.5	471.6	459.2	479.0	484.0	491.4	508.8	528.7	538.6	558.5
17.5°	399.6	399.6	399.6	389.7	397.1	404.6	407.1	429.4	431.9	441.8	449.2
20°	327.6	335.1	347.5	352.4	359.9	359.9	354.9	367.3	357.4	364.9	369.8
22.5°	295.4	305.3	310.3	312.7	322.7	325.1	312.7	315.2	317.7	310.3	312.7
25°	278.0	283.0	278.0	280.5	283.0	278.0	280.5	285.4	283.0	287.9	285.4
27.5°	270.5	265.6	263.1	260.6	260.6	255.6	258.1	258.1	263.1	265.6	265.6
30°	270.5	263.1	253.2	245.7	245.7	238.3	243.2	248.2	250.7	255.6	255.6
32.5°	278.0	263.1	245.7	238.3	230.8	225.9	230.8	238.3	248.2	250.7	253.2
35°	220.9	228.3	225.9	215.9	213.5	213.5	211.0	211.0	203.5	203.5	201.0
37.5°	198.6	196.1	201.0	203.5	206.0	198.6	198.6	188.6	186.2	188.6	188.6
40°	186.2	186.2	186.2	193.6	196.1	191.1	183.7	178.7	178.7	178.7	181.2
42.5°	181.2	176.2	173.7	178.7	186.2	181.2	173.7	171.3	171.3	173.7	173.7
45°	173.7	171.3	168.8	166.3	176.2	168.8	166.3	163.8	163.8	163.8	166.3
47.5°	166.3	163.8	158.8	158.8	161.3	158.8	156.4	156.4	156.4	161.3	161.3
50°	161.3	158.8	153.9	153.9	153.9	153.9	151.4	151.4	151.4	153.9	156.4
52.5°	153.9	151.4	148.9	146.4	146.4	146.4	146.4	146.4	146.4	148.9	151.4
55°	146.4	144.0	141.5	141.5	144.0	144.0	141.5	144.0	141.5	144.0	146.4
57.5°	139.0	136.5	134.0	136.5	139.0	136.5	136.5	136.5	136.5	136.5	139.0
60°	129.1	129.1	129.1	129.1	134.0	134.0	134.0	134.0	129.1	131.5	134.0
62.5°	124.1	121.6	121.6	124.1	126.6	126.6	129.1	126.6	124.1	126.6	126.6
65°	114.2	114.2	114.2	116.7	116.7	119.1	119.1	119.1	116.7	119.1	119.1
67.5°	106.7	106.7	106.7	106.7	111.7	111.7	111.7	111.7	109.2	109.2	111.7
70°	94.3	96.8	94.3	99.3	104.2	101.8	104.2	104.2	101.8	99.3	104.2
72.5°	86.9	86.9	86.9	86.9	94.3	94.3	94.3	96.8	94.3	91.8	94.3
75°	76.9	76.9	76.9	79.4	84.4	84.4	84.4	84.4	84.4	81.9	81.9
77.5°	67.0	69.5	67.0	69.5	74.5	72.0	74.5	76.9	74.5	72.0	72.0
80°	57.1	57.1	57.1	59.6	62.1	62.1	62.1	64.5	62.1	59.6	59.6
82.5°	44.7	44.7	47.2	47.2	49.6	49.6	49.6	52.1	49.6	47.2	47.2
85°	34.7	34.7	34.7	37.2	37.2	39.7	39.7	42.2	42.2	39.7	39.7
87.5°	22.3	19.9	22.3	22.3	24.8	24.8	22.3	19.9	22.3	19.9	17.4
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1	1787.1
2.5°	1630.7	1675.4	1707.6	1730.0	1762.2	1824.3	1849.1	1893.8	1906.2	1913.6
5°	1402.3	1449.5	1519.0	1568.6	1625.7	1742.4	1831.7	1898.7	1928.5	1955.8
7.5°	1099.5	1161.6	1233.6	1298.1	1392.4	1536.4	1653.0	1792.0	1844.1	1871.4
10°	858.8	915.9	995.3	1074.7	1206.3	1327.9	1494.2	1620.8	1692.7	1712.6
12.5°	724.8	791.8	886.1	982.9	1064.8	1203.8	1372.6	1556.2	1623.2	1635.7
15°	615.5	707.4	804.2	903.5	997.8	1119.4	1300.6	1524.0	1623.2	1635.7
17.5°	508.8	590.7	704.9	811.6	920.8	1087.1	1313.0	1551.3	1650.5	1687.8
20°	404.6	484.0	573.3	707.4	856.3	1032.5	1340.3	1643.1	1774.6	1814.4
22.5°	335.1	369.8	456.7	585.8	762.0	995.3	1367.6	1787.1	1926.1	1940.9
25°	292.9	317.7	372.3	493.9	687.5	970.5	1432.1	1953.4	2132.1	2132.1
27.5°	273.0	283.0	320.2	429.4	635.4	948.1	1496.7	2137.0	2303.3	2338.1
30°	268.1	292.9	312.7	382.2	578.3	886.1	1556.2	2281.0	2452.2	2454.7
32.5°	263.1	258.1	273.0	332.6	508.8	821.6	1605.9	2427.4	2561.5	2568.9
35°	206.0	215.9	240.8	292.9	456.7	774.4	1630.7	2506.8	2700.4	2707.9
37.5°	193.6	206.0	225.9	270.5	421.9	734.7	1638.1	2660.7	2846.9	2861.8
40°	188.6	198.6	213.5	250.7	394.6	685.0	1653.0	2819.6	3062.8	3043.0
42.5°	178.7	191.1	206.0	240.8	372.3	647.8	1655.5	2906.5	3177.0	3177.0
45°	176.2	183.7	201.0	240.8	347.5	615.5	1615.8	2993.3	3308.5	3268.8
47.5°	166.3	181.2	196.1	233.3	317.7	583.3	1568.6	3038.0	3325.9	3313.5
50°	163.8	178.7	203.5	220.9	300.3	568.4	1558.7	3149.7	3360.7	3358.2
52.5°	158.8	173.7	211.0	211.0	278.0	548.5	1605.9	3199.3	3368.1	3388.0
55°	151.4	173.7	196.1	193.6	258.1	523.7	1658.0	3328.4	3499.7	3494.7
57.5°	146.4	168.8	186.2	176.2	235.8	506.3	1734.9	3452.5	3658.5	3623.8
60°	139.0	168.8	166.3	163.8	218.4	491.4	1799.5	3477.3	3693.3	3715.6
62.5°	134.0	176.2	146.4	151.4	203.5	484.0	1772.2	3291.2	3646.1	3666.0
65°	129.1	151.4	134.0	139.0	198.6	469.1	1665.4	3067.8	3442.6	3529.4
67.5°	119.1	124.1	124.1	129.1	193.6	434.4	1447.0	2665.7	3132.3	3179.5
70°	109.2	111.7	111.7	119.1	188.6	394.6	1193.9	2305.8	2717.8	2807.2
72.5°	99.3	99.3	99.3	109.2	173.7	362.4	982.9	1772.2	2258.6	2320.7
75°	86.9	86.9	86.9	96.8	156.4	330.1	774.4	1318.0	1663.0	1752.3
77.5°	76.9	76.9	74.5	86.9	136.5	268.1	558.5	930.8	1171.5	1246.0
80°	64.5	62.1	62.1	69.5	106.7	193.6	359.9	657.7	816.6	848.9
82.5°	52.1	49.6	47.2	52.1	76.9	121.6	223.4	459.2	523.7	503.9
85°	49.6	52.1	42.2	39.7	54.6	79.4	141.5	283.0	235.8	235.8
87.5°	19.9	17.4	17.4	14.9	27.3	29.8	62.1	52.1	39.7	39.7
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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