

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: P675833

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

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675833  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-735-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
SLL distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

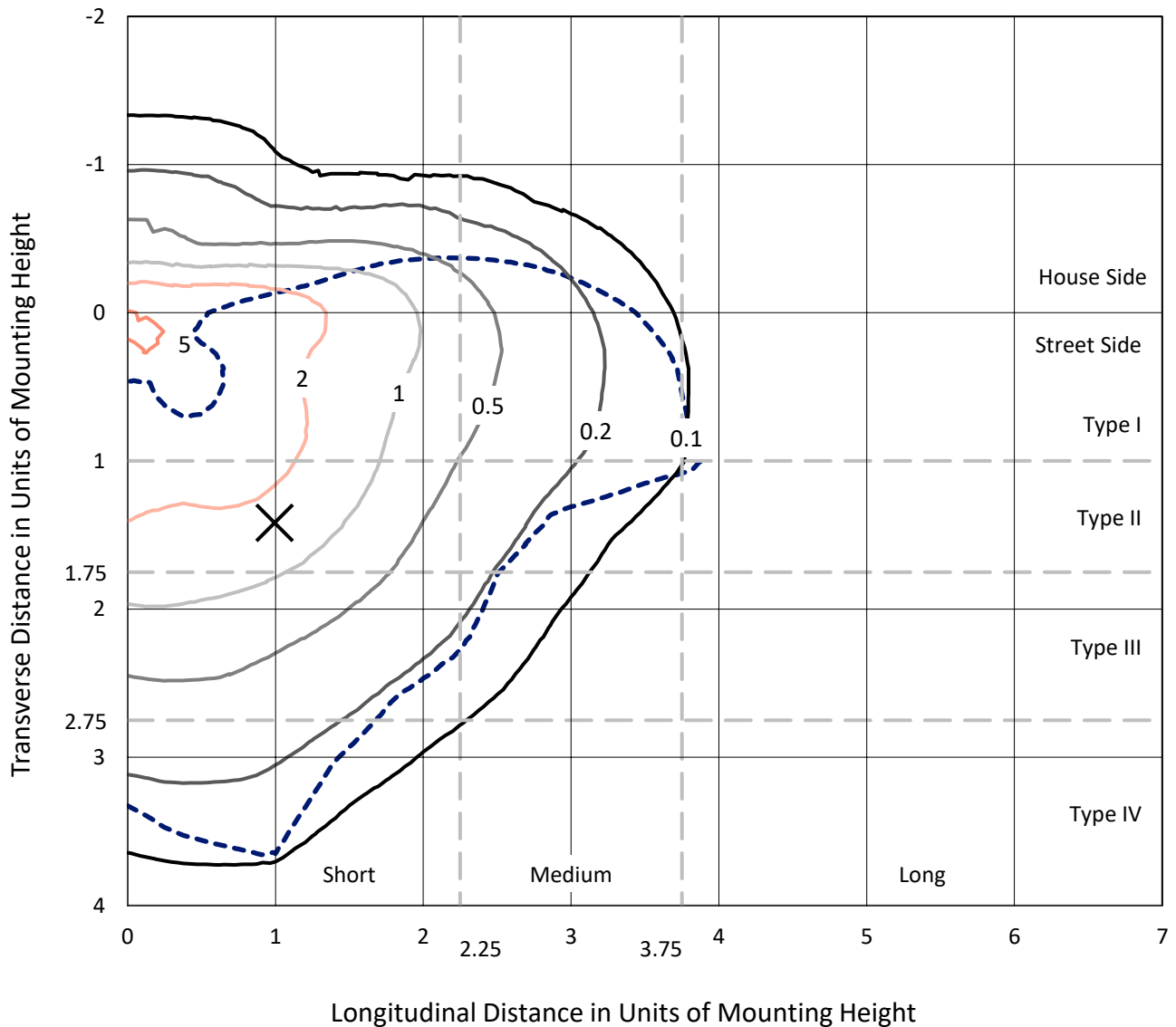
Lumens per Lamp: N/A  
Luminaire Lumens: 3700 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 32  
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

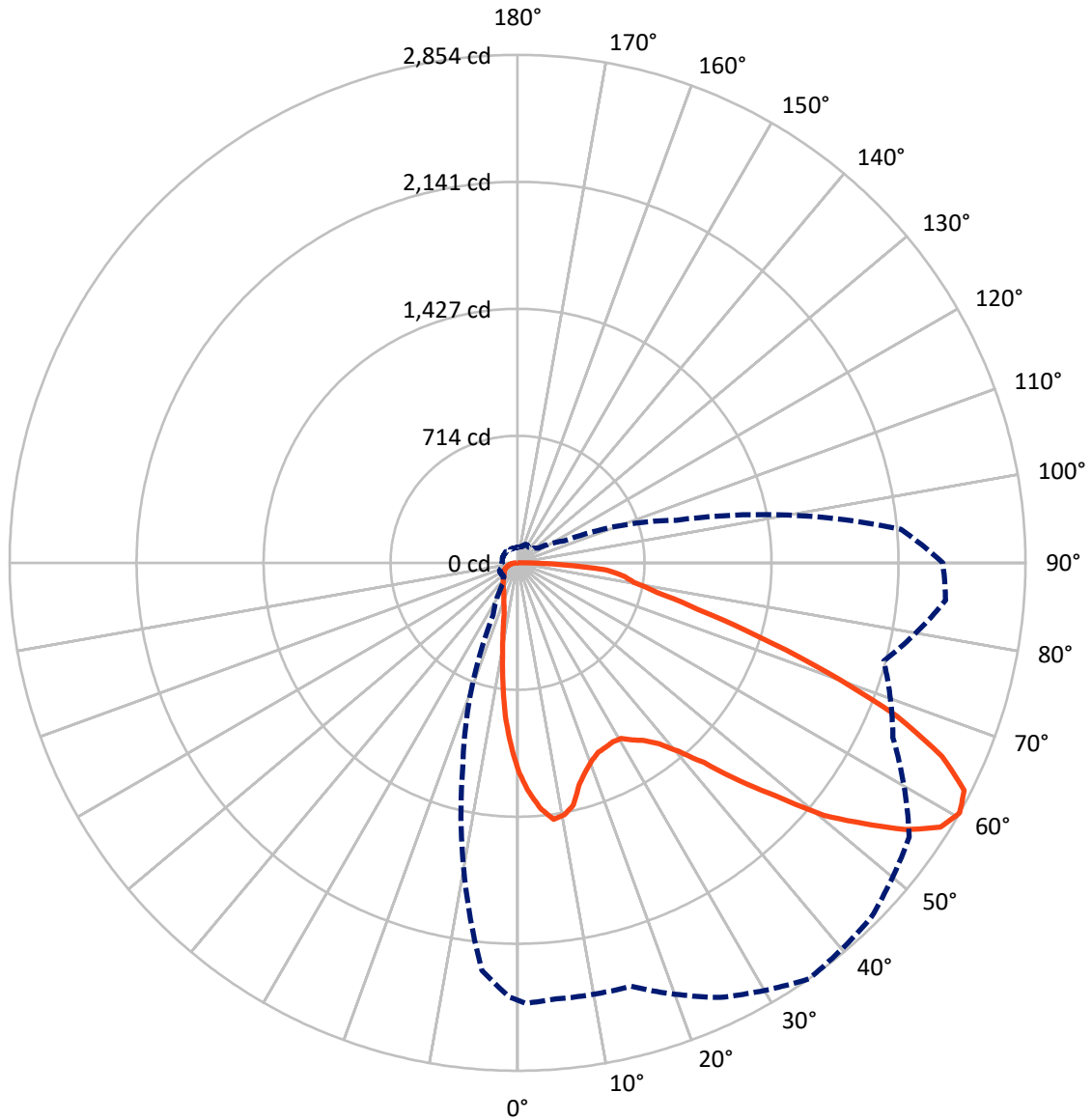
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 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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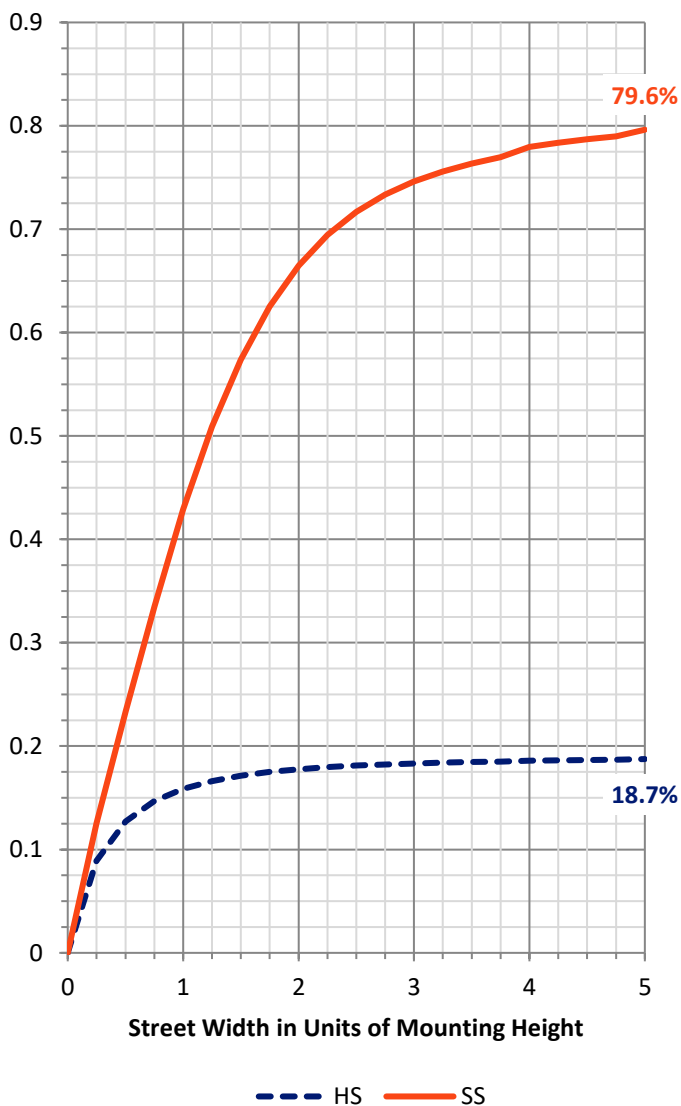
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	704.2	0.0	704.2
	% Fixture	19.0	0.0	19.0
<b>Street Side</b>	Lumens	2995.9	0.0	2995.9
	% Fixture	81.0	0.0	81.0
<b>Total</b>	Lumens	3700.0	0.0	3700.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.8	2.5
10°-20°	193.8	5.2
20°-30°	283.6	7.7
30°-40°	399.6	10.8
40°-50°	549.1	14.8
50°-60°	748.4	20.2
60°-70°	819.1	22.1
70°-80°	472.9	12.8
80°-90°	141.6	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°	3700.0	100.0
0°-180°	3700.0	100.0

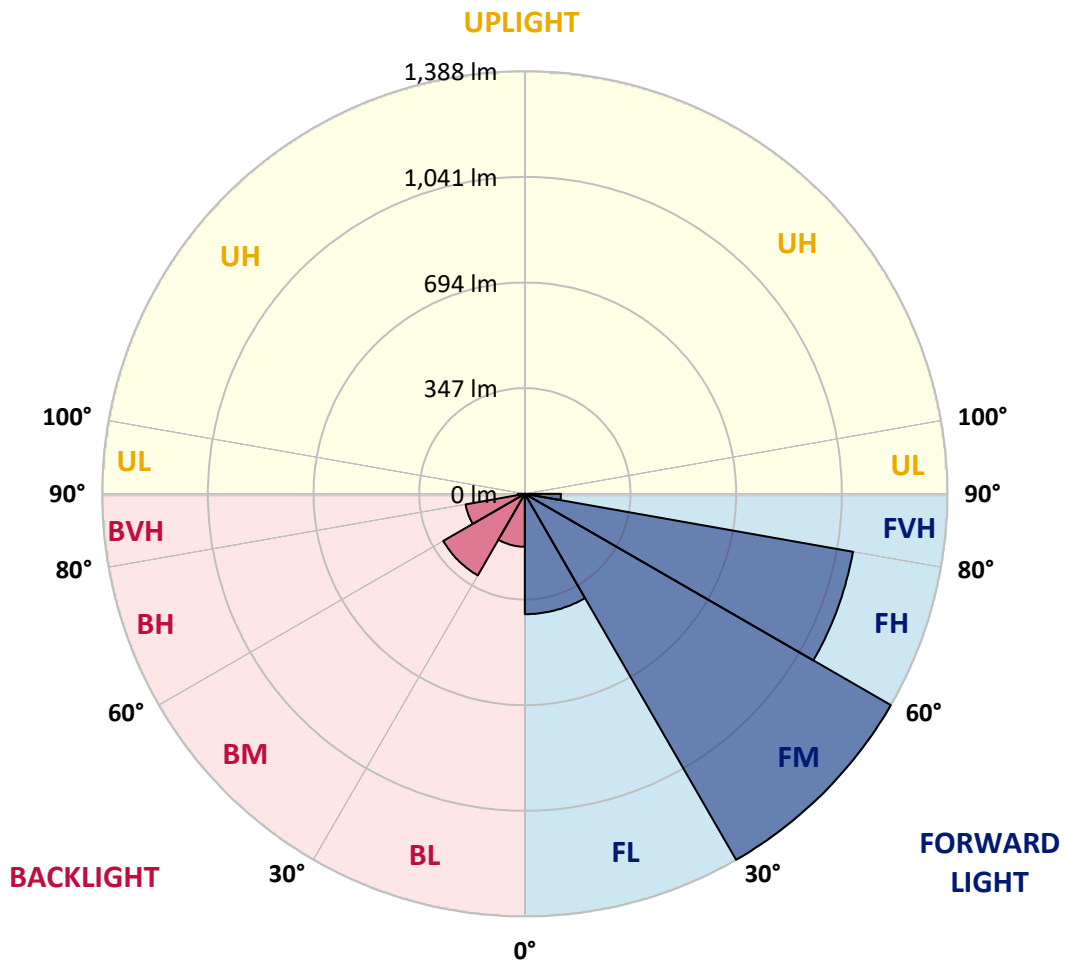


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.3	10.7			
FM (30°-60°)	1387.8	37.5			
FH (60°-80°)	1094.2	29.6			G1/1800
FVH (80°-90°)	118.5	3.2			G2/225
BL (0°-30°)	174.0	4.7	B1/500		
BM (30°-60°)	309.3	8.4	B1/1000		
BH (60°-80°)	197.8	5.3	B1/500		G1/500
BVH (80°-90°)	23.1	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°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1265.5	1260.5	1265.5	1283.5	1288.5	1296.7	1296.7	1285.2	1263.8	1254.0	1237.6
5°	1293.4	1285.2	1326.2	1364.0	1393.5	1390.2	1362.3	1339.3	1296.7	1232.6	1171.9
7.5°	1237.6	1245.8	1275.3	1373.8	1442.7	1455.9	1411.6	1365.6	1273.7	1185.0	1103.0
10°	1132.5	1144.0	1208.0	1309.8	1418.1	1439.5	1411.6	1355.7	1245.8	1135.8	1040.6
12.5°	1081.6	1107.9	1145.7	1268.8	1345.9	1396.8	1383.6	1347.5	1224.4	1094.8	1002.9
15°	1081.6	1088.2	1144.0	1247.4	1291.7	1293.4	1298.3	1304.9	1231.0	1112.8	989.7
17.5°	1116.1	1134.2	1181.8	1245.8	1254.0	1234.3	1234.3	1262.2	1244.1	1163.7	1037.3
20°	1199.8	1193.3	1255.6	1281.9	1237.6	1188.3	1183.4	1231.0	1258.9	1217.9	1124.3
22.5°	1283.5	1313.1	1364.0	1304.9	1222.8	1157.1	1150.6	1209.7	1303.2	1311.4	1224.4
25°	1409.9	1439.5	1465.7	1393.5	1221.2	1148.9	1153.9	1199.8	1357.4	1444.4	1391.9
27.5°	1546.1	1564.2	1601.9	1490.3	1260.5	1139.1	1144.0	1212.9	1408.3	1531.4	1523.2
30°	1623.3	1643.0	1634.8	1508.4	1286.8	1145.7	1132.5	1231.0	1380.4	1531.4	1608.5
32.5°	1698.8	1687.3	1682.4	1537.9	1319.6	1186.7	1153.9	1268.8	1396.8	1556.0	1718.5
35°	1790.7	1774.3	1761.2	1595.4	1373.8	1226.1	1211.3	1318.0	1432.9	1606.9	1807.1
37.5°	1892.5	1892.5	1828.5	1638.1	1437.8	1290.1	1273.7	1388.6	1490.3	1638.1	1928.6
40°	2012.3	2017.2	1904.0	1695.5	1510.0	1391.9	1386.9	1480.5	1546.1	1684.0	2045.1
42.5°	2100.9	2104.2	1969.6	1716.8	1593.7	1533.0	1554.3	1628.2	1610.2	1725.0	2053.3
45°	2161.6	2145.2	2015.6	1777.6	1685.7	1744.7	1751.3	1772.6	1693.9	1749.7	2086.1
47.5°	2191.2	2187.9	2035.3	1848.1	1879.3	1959.8	1997.5	1968.0	1771.0	1723.4	2086.1
50°	2220.7	2192.8	2053.3	1945.0	2068.1	2230.6	2222.4	2168.2	1877.7	1756.2	2055.0
52.5°	2240.4	2215.8	2089.4	2032.0	2248.6	2432.5	2465.3	2365.2	2002.4	1817.0	2069.7
55°	2311.0	2291.3	2197.8	2150.2	2457.1	2645.8	2650.8	2511.2	2133.7	1917.1	2166.6
57.5°	2396.4	2407.8	2347.1	2317.6	2616.3	2801.8	2783.7	2619.6	2245.4	2038.5	2278.2
60°	2457.1	2475.1	2460.4	2463.7	2695.1	2854.3	2813.3	2686.9	2327.4	2130.5	2414.4
62.5°	2424.3	2460.4	2521.1	2508.0	2698.4	2816.5	2759.1	2598.2	2337.3	2250.3	2517.8
65°	2334.0	2337.3	2455.4	2527.7	2550.6	2621.2	2545.7	2412.8	2235.5	2324.1	2503.0
67.5°	2102.6	2128.8	2235.5	2376.7	2279.8	2296.2	2289.7	2097.6	2081.2	2273.3	2389.8
70°	1856.4	1874.4	1990.9	2156.7	1925.3	1848.1	1862.9	1720.1	1787.4	2115.7	2161.6
72.5°	1534.7	1546.1	1679.1	1825.2	1544.5	1406.6	1441.1	1324.6	1419.8	1851.4	1823.5
75°	1158.8	1180.1	1283.5	1455.9	1137.4	1048.8	1083.3	1035.7	1124.3	1524.8	1414.8
77.5°	824.0	807.5	935.6	1139.1	855.1	802.6	805.9	814.1	909.3	1285.2	1016.0
80°	561.3	566.3	681.2	835.4	671.3	663.1	654.9	720.5	763.2	1017.6	738.6
82.5°	333.2	333.2	459.6	594.2	530.2	597.4	559.7	618.8	597.4	748.5	484.2
85°	155.9	155.9	236.4	428.4	410.3	492.4	418.5	467.8	441.5	521.9	218.3
87.5°	26.3	23.0	47.6	210.1	169.1	192.0	75.5	249.5	277.4	364.4	54.2
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1219.5	1208.0	1185.0	1155.5	1130.9	1099.7	1089.8	1068.5	1039.0	1035.7	1022.6
5°	1148.9	1109.5	1060.3	999.6	958.5	915.9	879.8	858.4	833.8	830.5	824.0
7.5°	1071.8	1022.6	940.5	868.3	797.7	730.4	697.6	656.5	628.6	607.3	597.4
10°	999.6	953.6	851.9	753.4	691.0	646.7	607.3	564.6	530.2	503.9	494.0
12.5°	952.0	897.8	787.8	694.3	648.3	597.4	553.1	507.2	462.9	428.4	410.3
15°	930.6	879.8	768.1	664.7	597.4	526.9	476.0	430.0	375.9	351.2	343.0
17.5°	981.5	906.0	761.6	630.3	535.1	454.7	392.3	343.0	303.6	279.0	269.2
20°	1047.2	953.6	773.1	589.2	476.0	385.7	316.8	264.3	238.0	219.9	218.3
22.5°	1130.9	1024.2	791.1	559.7	410.3	310.2	247.8	216.7	198.6	197.0	193.7
25°	1280.2	1152.2	820.7	520.3	357.8	256.0	211.7	193.7	185.5	180.5	183.8
27.5°	1408.3	1235.9	842.0	495.7	336.5	241.3	205.2	185.5	177.3	175.6	177.3
30°	1483.8	1313.1	835.4	449.7	293.8	229.8	218.3	211.7	195.3	182.2	182.2
32.5°	1552.7	1362.3	833.8	408.7	251.1	192.0	182.2	177.3	187.1	193.7	188.8
35°	1647.9	1439.5	828.9	385.7	233.1	177.3	160.9	147.7	141.2	137.9	142.8
37.5°	1749.7	1492.0	815.7	382.4	223.2	169.1	155.9	142.8	136.2	132.9	131.3
40°	1861.3	1547.8	801.0	366.0	218.3	164.1	151.0	139.5	131.3	126.4	124.7
42.5°	1933.5	1592.1	786.2	357.8	208.5	160.9	146.1	136.2	128.0	121.5	121.5
45°	1974.5	1644.6	771.4	349.6	197.0	162.5	146.1	132.9	123.1	119.8	116.5
47.5°	1992.6	1684.0	766.5	336.5	187.1	155.9	142.8	129.7	119.8	113.3	111.6
50°	2040.2	1767.7	784.6	326.6	175.6	149.4	151.0	128.0	118.2	110.0	108.3
52.5°	2068.1	1835.0	824.0	311.9	167.4	141.2	147.7	124.7	113.3	105.0	105.0
55°	2169.9	1946.6	866.6	300.4	157.6	129.7	136.2	118.2	105.0	100.1	100.1
57.5°	2299.5	2064.8	902.7	295.4	151.0	121.5	121.5	114.9	100.1	93.6	91.9
60°	2389.8	2161.6	924.1	292.2	144.4	113.3	108.3	114.9	95.2	88.6	87.0
62.5°	2399.6	2105.8	902.7	290.5	142.8	105.0	98.5	110.0	90.3	83.7	80.4
65°	2337.3	1992.6	843.6	284.0	141.2	96.8	91.9	95.2	83.7	78.8	75.5
67.5°	2212.5	1808.8	758.3	280.7	139.5	90.3	83.7	82.1	77.1	72.2	68.9
70°	1922.0	1569.1	658.2	265.9	136.2	85.3	75.5	73.9	68.9	65.7	64.0
72.5°	1613.4	1283.5	543.3	246.2	129.7	77.1	68.9	65.7	64.0	59.1	57.4
75°	1235.9	988.1	435.0	218.3	113.3	68.9	60.7	57.4	55.8	52.5	50.9
77.5°	868.3	735.3	321.7	177.3	95.2	62.4	54.2	50.9	49.2	44.3	44.3
80°	589.2	515.4	218.3	123.1	73.9	50.9	47.6	44.3	41.0	37.8	37.8
82.5°	366.0	361.1	157.6	80.4	54.2	41.0	37.8	37.8	32.8	29.5	29.5
85°	167.4	221.6	110.0	55.8	41.0	31.2	31.2	29.5	26.3	21.3	21.3
87.5°	52.5	73.9	57.4	24.6	23.0	18.1	18.1	16.4	16.4	13.1	13.1
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°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1035.7	1034.0	1034.0	1027.5	1043.9	1043.9	1053.7	1045.5	1050.5	1052.1	1065.2
5°	822.3	835.4	845.3	865.0	876.5	881.4	881.4	894.5	889.6	899.5	919.2
7.5°	602.4	618.8	648.3	672.9	692.6	699.2	697.6	700.9	705.8	694.3	697.6
10°	487.5	476.0	485.8	508.8	526.9	548.2	531.8	530.2	535.1	530.2	540.0
12.5°	407.1	393.9	385.7	385.7	398.8	408.7	403.8	412.0	430.0	435.0	446.4
15°	329.9	318.4	311.9	303.6	316.8	320.1	325.0	336.5	349.6	356.2	369.3
17.5°	264.3	264.3	264.3	257.7	262.6	267.5	269.2	284.0	285.6	292.2	297.1
20°	216.7	221.6	229.8	233.1	238.0	238.0	234.7	242.9	236.4	241.3	244.6
22.5°	195.3	201.9	205.2	206.8	213.4	215.0	206.8	208.5	210.1	205.2	206.8
25°	183.8	187.1	183.8	185.5	187.1	183.8	185.5	188.8	187.1	190.4	188.8
27.5°	178.9	175.6	174.0	172.3	172.3	169.1	170.7	170.7	174.0	175.6	175.6
30°	178.9	174.0	167.4	162.5	162.5	157.6	160.9	164.1	165.8	169.1	169.1
32.5°	183.8	174.0	162.5	157.6	152.6	149.4	152.6	157.6	164.1	165.8	167.4
35°	146.1	151.0	149.4	142.8	141.2	141.2	139.5	139.5	134.6	134.6	132.9
37.5°	131.3	129.7	132.9	134.6	136.2	131.3	131.3	124.7	123.1	124.7	124.7
40°	123.1	123.1	123.1	128.0	129.7	126.4	121.5	118.2	118.2	118.2	119.8
42.5°	119.8	116.5	114.9	118.2	123.1	119.8	114.9	113.3	113.3	114.9	114.9
45°	114.9	113.3	111.6	110.0	116.5	111.6	110.0	108.3	108.3	108.3	110.0
47.5°	110.0	108.3	105.0	105.0	106.7	105.0	103.4	103.4	103.4	106.7	106.7
50°	106.7	105.0	101.8	101.8	101.8	101.8	100.1	100.1	100.1	101.8	103.4
52.5°	101.8	100.1	98.5	96.8	96.8	96.8	96.8	96.8	96.8	98.5	100.1
55°	96.8	95.2	93.6	93.6	95.2	95.2	93.6	95.2	93.6	95.2	96.8
57.5°	91.9	90.3	88.6	90.3	91.9	90.3	90.3	90.3	90.3	90.3	91.9
60°	85.3	85.3	85.3	85.3	88.6	88.6	88.6	88.6	85.3	87.0	88.6
62.5°	82.1	80.4	80.4	82.1	83.7	83.7	85.3	83.7	82.1	83.7	83.7
65°	75.5	75.5	75.5	77.1	77.1	78.8	78.8	78.8	77.1	78.8	78.8
67.5°	70.6	70.6	70.6	70.6	73.9	73.9	73.9	73.9	72.2	72.2	73.9
70°	62.4	64.0	62.4	65.7	68.9	67.3	68.9	68.9	67.3	65.7	68.9
72.5°	57.4	57.4	57.4	57.4	62.4	62.4	62.4	64.0	62.4	60.7	62.4
75°	50.9	50.9	50.9	52.5	55.8	55.8	55.8	55.8	55.8	54.2	54.2
77.5°	44.3	46.0	44.3	46.0	49.2	47.6	49.2	50.9	49.2	47.6	47.6
80°	37.8	37.8	37.8	39.4	41.0	41.0	41.0	42.7	41.0	39.4	39.4
82.5°	29.5	29.5	31.2	31.2	32.8	32.8	32.8	34.5	32.8	31.2	31.2
85°	23.0	23.0	23.0	24.6	24.6	26.3	26.3	27.9	27.9	26.3	26.3
87.5°	14.8	13.1	14.8	14.8	16.4	16.4	14.8	13.1	14.8	13.1	11.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1078.4	1107.9	1129.2	1144.0	1165.4	1206.4	1222.8	1252.3	1260.5	1265.5
5°	927.4	958.5	1004.5	1037.3	1075.1	1152.2	1211.3	1255.6	1275.3	1293.4
7.5°	727.1	768.1	815.7	858.4	920.8	1016.0	1093.1	1185.0	1219.5	1237.6
10°	567.9	605.7	658.2	710.7	797.7	878.1	988.1	1071.8	1119.4	1132.5
12.5°	479.3	523.6	586.0	650.0	704.1	796.0	907.7	1029.1	1073.4	1081.6
15°	407.1	467.8	531.8	597.4	659.8	740.2	860.1	1007.8	1073.4	1081.6
17.5°	336.5	390.6	466.1	536.7	608.9	718.9	868.3	1025.8	1091.5	1116.1
20°	267.5	320.1	379.1	467.8	566.3	682.8	886.3	1086.6	1173.6	1199.8
22.5°	221.6	244.6	302.0	387.4	503.9	658.2	904.4	1181.8	1273.7	1283.5
25°	193.7	210.1	246.2	326.6	454.7	641.8	947.1	1291.7	1409.9	1409.9
27.5°	180.5	187.1	211.7	284.0	420.2	627.0	989.7	1413.2	1523.2	1546.1
30°	177.3	193.7	206.8	252.8	382.4	586.0	1029.1	1508.4	1621.6	1623.3
32.5°	174.0	170.7	180.5	219.9	336.5	543.3	1061.9	1605.2	1693.9	1698.8
35°	136.2	142.8	159.2	193.7	302.0	512.1	1078.4	1657.8	1785.8	1790.7
37.5°	128.0	136.2	149.4	178.9	279.0	485.8	1083.3	1759.5	1882.6	1892.5
40°	124.7	131.3	141.2	165.8	261.0	453.0	1093.1	1864.6	2025.4	2012.3
42.5°	118.2	126.4	136.2	159.2	246.2	428.4	1094.8	1922.0	2100.9	2100.9
45°	116.5	121.5	132.9	159.2	229.8	407.1	1068.5	1979.5	2187.9	2161.6
47.5°	110.0	119.8	129.7	154.3	210.1	385.7	1037.3	2009.0	2199.4	2191.2
50°	108.3	118.2	134.6	146.1	198.6	375.9	1030.8	2082.9	2222.4	2220.7
52.5°	105.0	114.9	139.5	139.5	183.8	362.7	1061.9	2115.7	2227.3	2240.4
55°	100.1	114.9	129.7	128.0	170.7	346.3	1096.4	2201.0	2314.3	2311.0
57.5°	96.8	111.6	123.1	116.5	155.9	334.8	1147.3	2283.1	2419.3	2396.4
60°	91.9	111.6	110.0	108.3	144.4	325.0	1190.0	2299.5	2442.3	2457.1
62.5°	88.6	116.5	96.8	100.1	134.6	320.1	1171.9	2176.4	2411.1	2424.3
65°	85.3	100.1	88.6	91.9	131.3	310.2	1101.3	2028.7	2276.5	2334.0
67.5°	78.8	82.1	82.1	85.3	128.0	287.2	956.9	1762.8	2071.4	2102.6
70°	72.2	73.9	73.9	78.8	124.7	261.0	789.5	1524.8	1797.3	1856.4
72.5°	65.7	65.7	65.7	72.2	114.9	239.6	650.0	1171.9	1493.6	1534.7
75°	57.4	57.4	57.4	64.0	103.4	218.3	512.1	871.6	1099.7	1158.8
77.5°	50.9	50.9	49.2	57.4	90.3	177.3	369.3	615.5	774.7	824.0
80°	42.7	41.0	41.0	46.0	70.6	128.0	238.0	435.0	540.0	561.3
82.5°	34.5	32.8	31.2	34.5	50.9	80.4	147.7	303.6	346.3	333.2
85°	32.8	34.5	27.9	26.3	36.1	52.5	93.6	187.1	155.9	155.9
87.5°	13.1	11.5	11.5	9.8	18.1	19.7	41.0	34.5	26.3	26.3
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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