

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: P676254

Luminaire Tested: **CCW-SA-1C-730-U-T2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676254  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-730-U-T2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
T2 distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

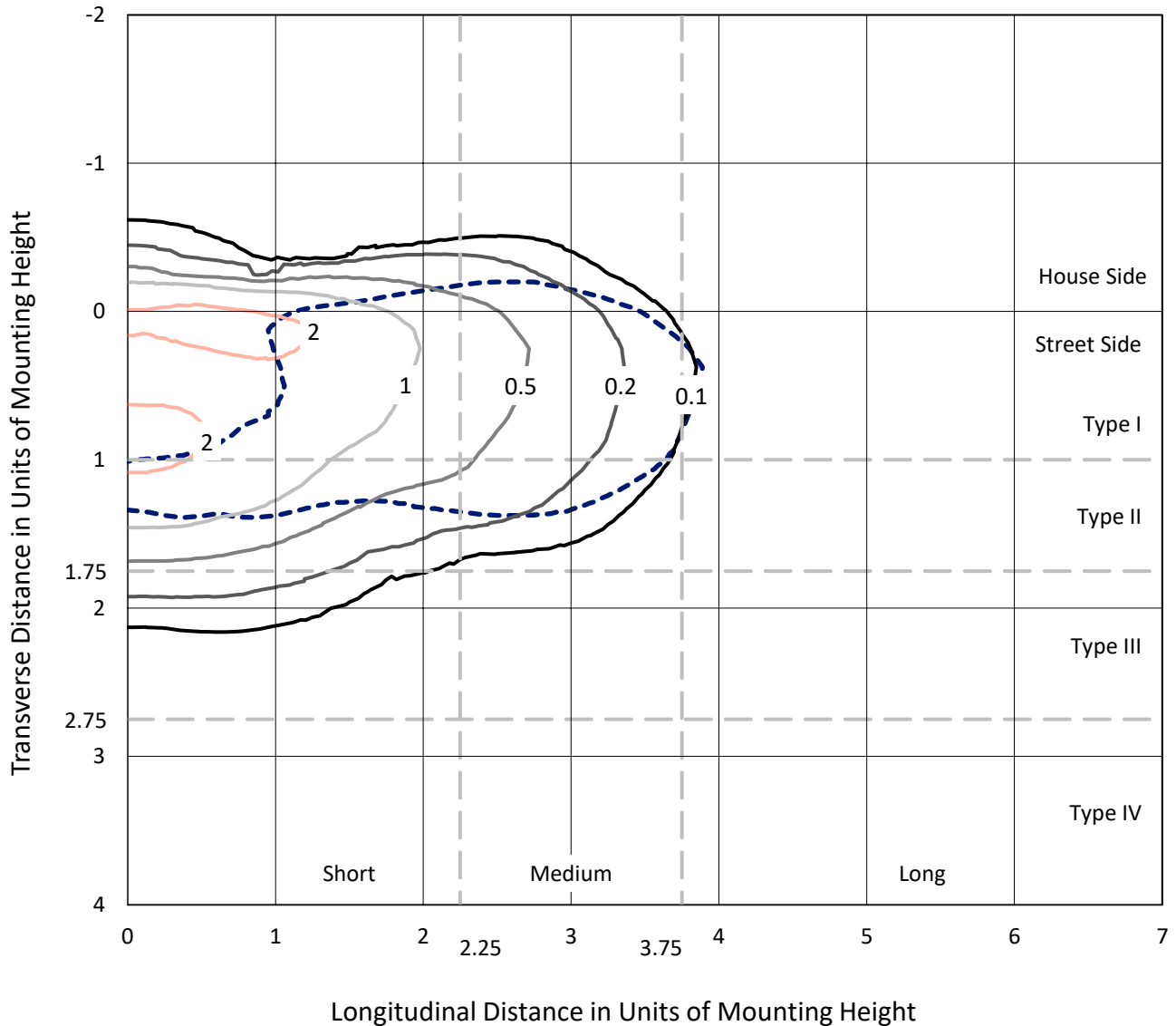
Lumens per Lamp: N/A  
Luminaire Lumens: 3178.5 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

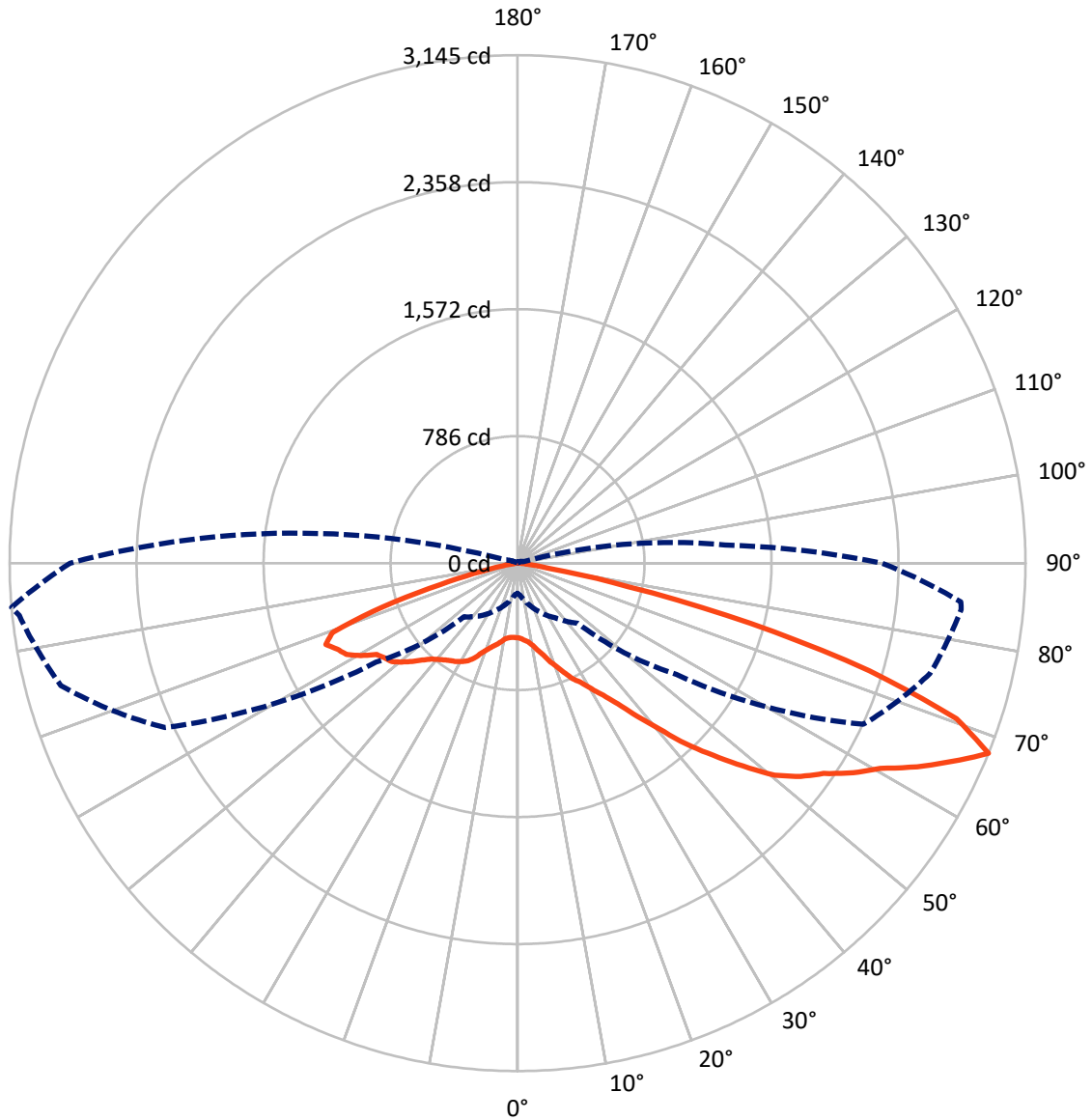
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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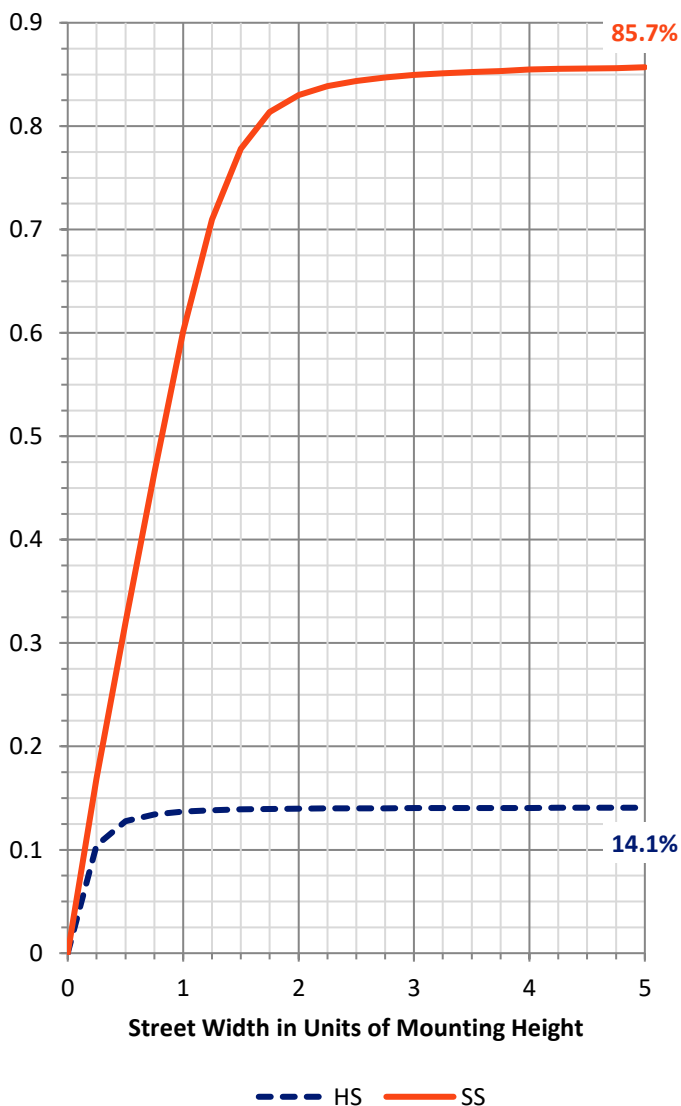
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	451.6	0.0	451.6
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	2727.0	0.0	2727.0
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	3178.5	0.0	3178.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	1.3
10°-20°	113.3	3.6
20°-30°	188.2	5.9
30°-40°	323.8	10.2
40°-50°	581.9	18.3
50°-60°	828.4	26.1
60°-70°	755.2	23.8
70°-80°	321.6	10.1
80°-90°	23.9	0.8
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°	3178.5	100.0
0°-180°	3178.5	100.0



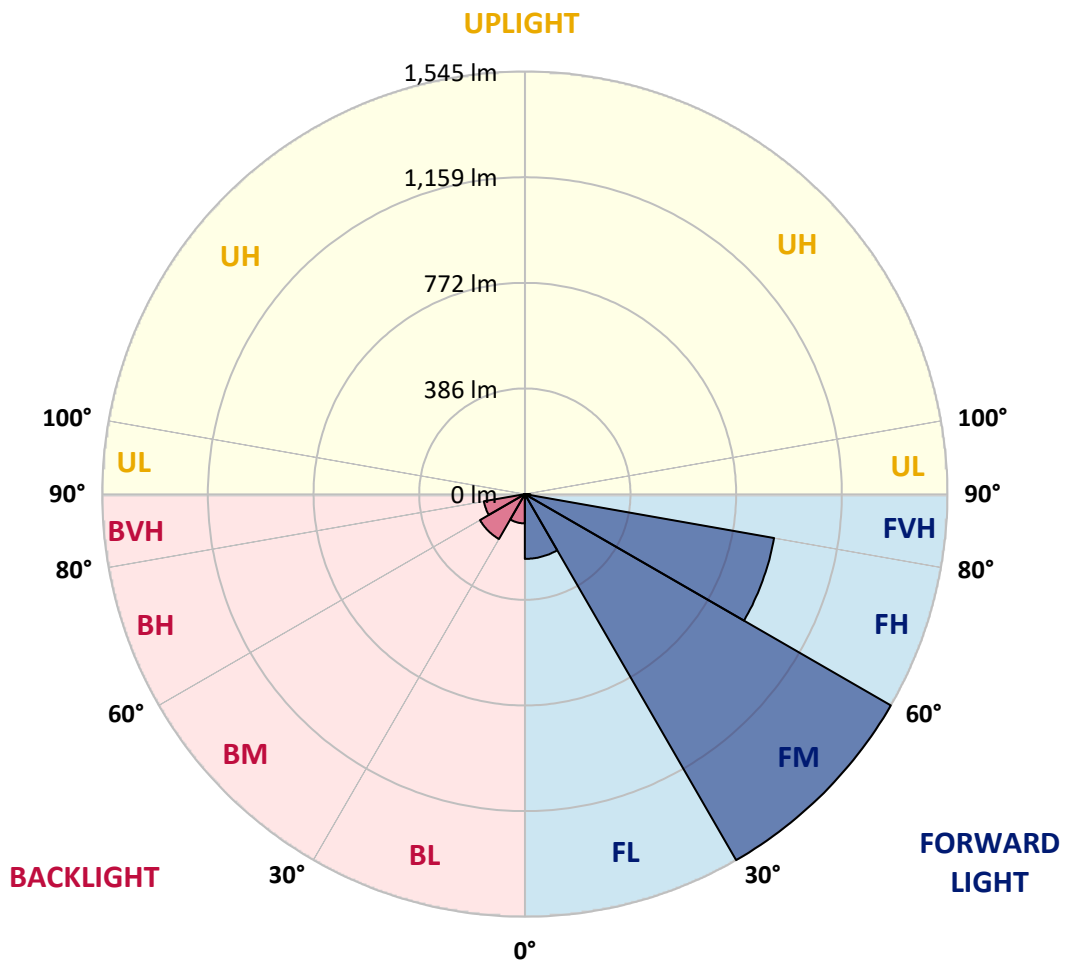
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.8	7.4			
FM (30°-60°)	1544.8	48.6			
FH (60°-80°)	925.1	29.1			G1/1800
FVH (80°-90°)	20.3	0.6			G1/100
BL (0°-30°)	106.9	3.4	B0/110		
BM (30°-60°)	189.3	6.0	B0/220		
BH (60°-80°)	151.7	4.8	B1/500		G1/500
BVH (80°-90°)	3.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	478.9	483.4	483.4	481.9	477.4	474.3	472.8	469.8	466.8	466.8	468.3
5°	483.4	478.9	484.9	477.4	477.4	477.4	483.4	480.4	478.9	471.3	471.3
7.5°	483.4	478.9	478.9	483.4	478.9	481.9	489.5	486.5	492.5	478.9	481.9
10°	469.8	468.3	471.3	477.4	478.9	484.9	492.5	507.7	509.2	500.1	498.6
12.5°	442.5	441.0	451.6	454.6	472.8	488.0	510.7	522.8	536.5	531.9	522.8
15°	422.8	425.8	433.4	445.5	462.2	489.5	515.2	542.5	566.8	560.7	557.7
17.5°	430.4	428.9	430.4	438.0	459.2	486.5	530.4	562.2	597.1	597.1	600.1
20°	453.1	457.7	456.1	451.6	462.2	484.9	530.4	586.5	644.1	639.5	639.5
22.5°	492.5	494.0	484.9	481.9	480.4	494.0	539.5	616.8	683.5	692.5	689.5
25°	533.4	534.9	531.9	522.8	510.7	513.7	556.2	641.0	738.0	753.2	750.1
27.5°	601.6	600.1	592.5	581.9	563.7	550.1	581.9	659.2	780.4	806.2	798.6
30°	669.8	665.3	654.7	641.0	624.4	598.6	613.7	694.1	833.5	857.7	841.1
32.5°	753.2	744.1	747.1	725.9	691.0	650.1	647.1	725.9	875.9	910.8	897.1
35°	859.2	848.6	833.5	813.8	780.4	725.9	709.2	777.4	947.1	972.9	972.9
37.5°	998.7	1009.3	991.1	909.3	872.9	821.4	786.5	830.5	1009.3	1071.4	1056.3
40°	1141.1	1150.2	1116.9	1056.3	977.4	913.8	892.6	916.8	1103.2	1177.5	1148.7
42.5°	1256.3	1268.4	1256.3	1177.5	1115.4	1033.5	995.6	1018.4	1224.5	1313.9	1276.0
45°	1377.5	1389.6	1376.0	1324.5	1263.9	1216.9	1121.4	1150.2	1351.8	1485.1	1442.7
47.5°	1468.4	1483.6	1459.4	1448.7	1400.3	1392.7	1230.5	1262.3	1485.1	1657.9	1604.8
50°	1489.7	1506.3	1527.5	1539.7	1523.0	1541.2	1377.5	1404.8	1624.5	1817.0	1765.5
52.5°	1439.7	1456.3	1503.3	1559.4	1636.7	1691.2	1526.0	1548.8	1770.0	1948.8	1921.6
55°	1292.7	1307.8	1403.3	1479.1	1663.9	1753.3	1668.5	1764.0	1874.6	2086.7	2020.1
57.5°	1045.6	1063.8	1189.6	1306.3	1573.0	1718.5	1753.3	1942.8	2047.3	2188.3	2111.0
60°	742.6	753.2	862.3	1068.4	1321.5	1544.2	1736.7	2076.1	2183.7	2324.7	2283.7
62.5°	427.3	436.4	550.1	744.1	997.1	1289.6	1662.4	2201.9	2330.7	2474.7	2452.0
65°	283.4	286.4	363.7	469.8	648.6	950.2	1474.5	2314.1	2476.2	2594.4	2568.6
67.5°	186.4	203.1	263.7	336.4	415.2	525.9	1201.7	2361.0	2642.9	2761.1	2755.0
70°	133.4	139.4	189.4	259.1	312.2	295.5	703.2	2029.2	2635.3	2806.6	2756.6
72.5°	78.8	84.9	125.8	194.0	245.5	187.9	328.8	1435.1	2183.7	2239.8	2226.2
75°	57.6	57.6	77.3	139.4	178.8	134.9	154.6	907.7	1450.3	1574.5	1573.0
77.5°	40.9	42.4	53.0	83.3	137.9	98.5	84.9	504.6	792.6	866.8	825.9
80°	24.2	25.8	36.4	50.0	100.0	71.2	56.1	230.3	304.6	307.6	292.5
82.5°	18.2	18.2	24.2	34.9	69.7	48.5	34.9	87.9	98.5	89.4	75.8
85°	10.6	9.1	18.2	25.8	40.9	27.3	24.2	40.9	45.5	33.3	30.3
87.5°	3.0	3.0	7.6	9.1	18.2	15.2	10.6	15.2	21.2	12.1	9.1
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	465.2	460.7	453.1	450.1	439.5	434.9	431.9	424.3	425.8	421.3	421.3
5°	460.7	460.7	445.5	428.9	412.2	401.6	389.5	374.3	374.3	368.2	369.8
7.5°	477.4	465.2	445.5	415.2	387.9	363.7	353.1	337.9	328.8	324.3	324.3
10°	488.0	475.8	442.5	406.1	371.3	341.0	318.2	297.0	284.9	284.9	283.4
12.5°	516.8	498.6	454.6	404.6	353.1	307.6	272.8	248.5	231.9	219.7	222.8
15°	541.0	521.3	460.7	392.5	321.3	257.6	215.2	169.7	147.0	134.9	130.3
17.5°	578.9	542.5	474.3	371.3	272.8	201.6	139.4	101.5	92.4	90.9	90.9
20°	610.7	568.3	475.8	330.4	224.3	128.8	89.4	83.3	78.8	77.3	75.8
22.5°	654.7	601.6	469.8	283.4	160.6	86.4	75.8	69.7	66.7	62.1	62.1
25°	700.1	645.6	457.7	239.4	98.5	74.3	66.7	60.6	54.6	51.5	53.0
27.5°	748.6	678.9	422.8	186.4	75.8	65.2	54.6	50.0	47.0	45.5	45.5
30°	788.0	700.1	371.3	124.3	68.2	57.6	48.5	43.9	40.9	39.4	39.4
32.5°	816.8	718.3	313.7	83.3	62.1	51.5	43.9	39.4	36.4	34.9	34.9
35°	865.3	732.0	260.7	71.2	56.1	45.5	37.9	34.9	31.8	31.8	31.8
37.5°	939.6	750.1	207.6	65.2	51.5	40.9	36.4	31.8	30.3	28.8	28.8
40°	1004.7	772.9	148.5	59.1	47.0	37.9	31.8	28.8	27.3	25.8	25.8
42.5°	1098.7	798.6	97.0	53.0	42.4	34.9	28.8	25.8	24.2	22.7	22.7
45°	1218.4	841.1	75.8	47.0	37.9	31.8	27.3	24.2	21.2	21.2	19.7
47.5°	1345.7	892.6	68.2	43.9	34.9	28.8	24.2	21.2	19.7	18.2	18.2
50°	1463.9	942.6	63.6	40.9	31.8	27.3	22.7	19.7	16.7	15.2	15.2
52.5°	1570.0	989.6	60.6	37.9	30.3	24.2	19.7	16.7	15.2	13.6	13.6
55°	1626.1	1010.8	59.1	36.4	27.3	22.7	18.2	15.2	13.6	12.1	12.1
57.5°	1713.9	1038.1	57.6	34.9	25.8	19.7	16.7	13.6	12.1	10.6	10.6
60°	1856.4	1127.5	56.1	33.3	24.2	19.7	15.2	12.1	9.1	7.6	7.6
62.5°	1974.6	1201.7	50.0	28.8	21.2	16.7	12.1	9.1	6.1	4.5	4.5
65°	2109.5	1236.6	43.9	25.8	18.2	13.6	9.1	6.1	4.5	1.5	1.5
67.5°	2256.5	1289.6	36.4	22.7	16.7	10.6	7.6	4.5	1.5	0.0	0.0
70°	2179.2	1222.9	30.3	19.7	15.2	9.1	6.1	3.0	0.0	0.0	0.0
72.5°	1707.9	875.9	24.2	18.2	13.6	9.1	6.1	1.5	0.0	0.0	0.0
75°	1141.1	495.5	21.2	15.2	10.6	7.6	4.5	1.5	0.0	0.0	0.0
77.5°	619.8	222.8	18.2	13.6	9.1	6.1	4.5	1.5	0.0	0.0	0.0
80°	201.6	87.9	15.2	12.1	9.1	6.1	4.5	1.5	0.0	0.0	0.0
82.5°	54.6	27.3	15.2	12.1	9.1	6.1	4.5	1.5	0.0	0.0	0.0
85°	22.7	18.2	15.2	12.1	9.1	6.1	4.5	1.5	0.0	0.0	0.0
87.5°	9.1	6.1	6.1	7.6	6.1	4.5	3.0	1.5	0.0	0.0	0.0
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°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	422.8	425.8	427.3	427.3	434.9	442.5	451.6	459.2	459.2	463.7	468.3
5°	371.3	374.3	378.9	392.5	407.6	424.3	441.0	453.1	469.8	477.4	481.9
7.5°	328.8	331.9	344.0	357.6	378.9	407.6	436.4	463.7	480.4	488.0	494.0
10°	284.9	289.4	303.1	327.3	354.6	389.5	422.8	469.8	497.1	512.2	518.3
12.5°	221.3	233.4	251.6	277.3	312.2	365.2	427.3	475.8	522.8	541.0	553.1
15°	139.4	150.0	178.8	219.7	266.7	328.8	415.2	484.9	550.1	568.3	588.0
17.5°	89.4	90.9	100.0	144.0	204.6	283.4	397.0	498.6	580.4	606.2	636.5
20°	75.8	78.8	80.3	86.4	136.4	233.4	359.2	515.2	616.8	651.6	680.4
22.5°	63.6	65.2	68.2	72.7	81.8	169.7	307.6	515.2	648.6	700.1	733.5
25°	51.5	54.6	57.6	62.1	71.2	106.1	254.6	506.2	686.5	750.1	792.6
27.5°	45.5	45.5	48.5	53.0	60.6	74.3	201.6	478.9	715.3	780.4	836.5
30°	39.4	40.9	42.4	47.0	54.6	65.2	139.4	434.9	745.6	839.5	903.2
32.5°	34.9	34.9	37.9	40.9	48.5	59.1	89.4	368.2	785.0	885.0	974.4
35°	31.8	31.8	33.3	36.4	43.9	53.0	69.7	312.2	832.0	971.4	1069.9
37.5°	28.8	28.8	30.3	33.3	39.4	47.0	63.6	268.2	880.5	1057.8	1201.7
40°	25.8	25.8	27.3	30.3	34.9	42.4	57.6	216.7	941.1	1185.1	1345.7
42.5°	22.7	22.7	24.2	27.3	31.8	37.9	50.0	162.2	1021.4	1323.0	1532.1
45°	19.7	19.7	21.2	24.2	27.3	34.9	45.5	124.3	1109.3	1476.0	1695.8
47.5°	16.7	18.2	19.7	22.7	25.8	31.8	40.9	109.1	1195.7	1638.2	1877.6
50°	15.2	15.2	16.7	19.7	24.2	28.8	37.9	107.6	1283.6	1762.4	2064.0
52.5°	13.6	13.6	15.2	18.2	22.7	27.3	36.4	110.6	1356.3	1877.6	2194.3
55°	12.1	12.1	13.6	15.2	19.7	25.8	33.3	113.7	1407.8	1994.3	2298.9
57.5°	10.6	10.6	12.1	15.2	18.2	22.7	30.3	116.7	1491.2	2109.5	2450.4
60°	7.6	7.6	10.6	13.6	16.7	19.7	28.8	119.7	1624.5	2268.6	2579.3
62.5°	4.5	4.5	6.1	10.6	13.6	18.2	25.8	113.7	1748.8	2473.2	2776.3
65°	1.5	3.0	4.5	6.1	10.6	15.2	21.2	103.0	1853.4	2677.8	2958.1
67.5°	0.0	0.0	1.5	4.5	9.1	12.1	18.2	75.8	1870.0	2770.2	3144.5
70°	0.0	0.0	1.5	4.5	7.6	12.1	16.7	42.4	1592.7	2474.7	2882.3
72.5°	0.0	0.0	0.0	3.0	7.6	10.6	15.2	31.8	1174.5	1865.5	2277.7
75°	0.0	0.0	0.0	1.5	6.1	9.1	13.6	24.2	713.8	1244.2	1486.6
77.5°	0.0	0.0	0.0	1.5	4.5	9.1	13.6	21.2	251.6	592.5	698.6
80°	0.0	0.0	0.0	3.0	6.1	9.1	12.1	18.2	60.6	148.5	200.0
82.5°	0.0	0.0	0.0	1.5	4.5	7.6	10.6	15.2	24.2	43.9	69.7
85°	0.0	0.0	0.0	1.5	3.0	7.6	10.6	13.6	16.7	21.2	30.3
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	4.5	6.1	6.1	6.1	10.6
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):**

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	466.8	472.8	475.8	481.9	484.9	483.4	481.9	486.5	483.4	478.9
5°	483.4	483.4	488.0	489.5	489.5	484.9	488.0	486.5	483.4	483.4
7.5°	501.6	509.2	509.2	500.1	498.6	495.5	495.5	483.4	478.9	483.4
10°	519.8	525.9	527.4	516.8	503.1	497.1	489.5	474.3	466.8	469.8
12.5°	557.7	557.7	541.0	528.9	510.7	489.5	471.3	450.1	439.5	442.5
15°	585.0	591.0	568.3	541.0	509.2	469.8	450.1	433.4	427.3	422.8
17.5°	638.0	625.9	589.5	550.1	504.6	463.7	450.1	434.9	430.4	430.4
20°	683.5	677.4	622.8	551.6	503.1	475.8	466.8	459.2	457.7	453.1
22.5°	745.6	718.3	648.6	568.3	519.8	495.5	492.5	500.1	495.5	492.5
25°	792.6	769.8	668.3	592.5	545.6	538.0	542.5	550.1	538.0	533.4
27.5°	856.2	813.8	706.2	624.4	580.4	588.0	603.1	604.7	597.1	601.6
30°	915.3	869.9	735.0	660.7	639.5	647.1	669.8	686.5	675.9	669.8
32.5°	1000.2	930.5	792.6	721.3	713.8	733.5	759.2	769.8	756.2	753.2
35°	1089.6	1000.2	851.7	789.5	803.2	830.5	853.2	871.4	850.2	859.2
37.5°	1229.0	1112.3	951.7	897.1	903.2	913.8	956.2	1006.2	1016.9	998.7
40°	1374.5	1233.6	1044.1	1001.7	1015.3	1044.1	1094.1	1141.1	1165.4	1141.1
42.5°	1542.7	1350.2	1186.6	1136.6	1150.2	1191.1	1257.8	1295.7	1292.7	1256.3
45°	1750.3	1512.4	1319.9	1257.8	1307.8	1344.2	1410.9	1415.4	1386.6	1377.5
47.5°	1909.4	1648.8	1463.9	1424.5	1492.7	1494.2	1509.4	1510.9	1479.1	1468.4
50°	2085.2	1806.4	1624.5	1566.9	1682.1	1629.1	1588.2	1560.9	1512.4	1489.7
52.5°	2258.0	1918.5	1773.0	1713.9	1833.7	1692.7	1618.5	1535.1	1463.9	1439.7
55°	2350.4	2103.4	1989.8	1851.8	1867.0	1710.9	1524.5	1420.0	1298.7	1292.7
57.5°	2459.5	2227.7	2173.1	1945.8	1810.9	1583.6	1329.0	1191.1	1060.8	1045.6
60°	2588.3	2424.7	2367.1	1930.7	1612.4	1330.5	1053.2	875.9	753.2	742.6
62.5°	2732.3	2658.1	2486.8	1782.1	1280.5	936.5	695.6	547.1	433.4	427.3
65°	2959.6	2853.5	2550.5	1500.3	847.1	600.1	462.2	354.6	286.4	283.4
67.5°	3102.1	2927.8	2408.0	1069.9	469.8	397.0	324.3	257.6	198.5	186.4
70°	2900.5	2686.8	1904.9	612.2	272.8	301.6	250.0	172.8	136.4	133.4
72.5°	2317.1	1994.3	1282.0	287.9	169.7	236.4	181.9	116.7	81.8	78.8
75°	1580.6	1254.8	804.7	133.4	119.7	172.8	133.4	68.2	57.6	57.6
77.5°	706.2	639.5	412.2	81.8	89.4	131.8	77.3	47.0	42.4	40.9
80°	215.2	225.8	168.2	56.1	66.7	100.0	47.0	31.8	25.8	24.2
82.5°	72.7	84.9	75.8	33.3	45.5	71.2	31.8	21.2	18.2	18.2
85°	34.9	42.4	37.9	21.2	24.2	34.9	25.8	16.7	10.6	10.6
87.5°	13.6	19.7	13.6	9.1	13.6	18.2	10.6	7.6	3.0	3.0
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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