

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: P676274

Luminaire Tested: **CCW-SA-1A-740-U-T2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676274  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-740-U-T2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
T2 distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2112.1 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

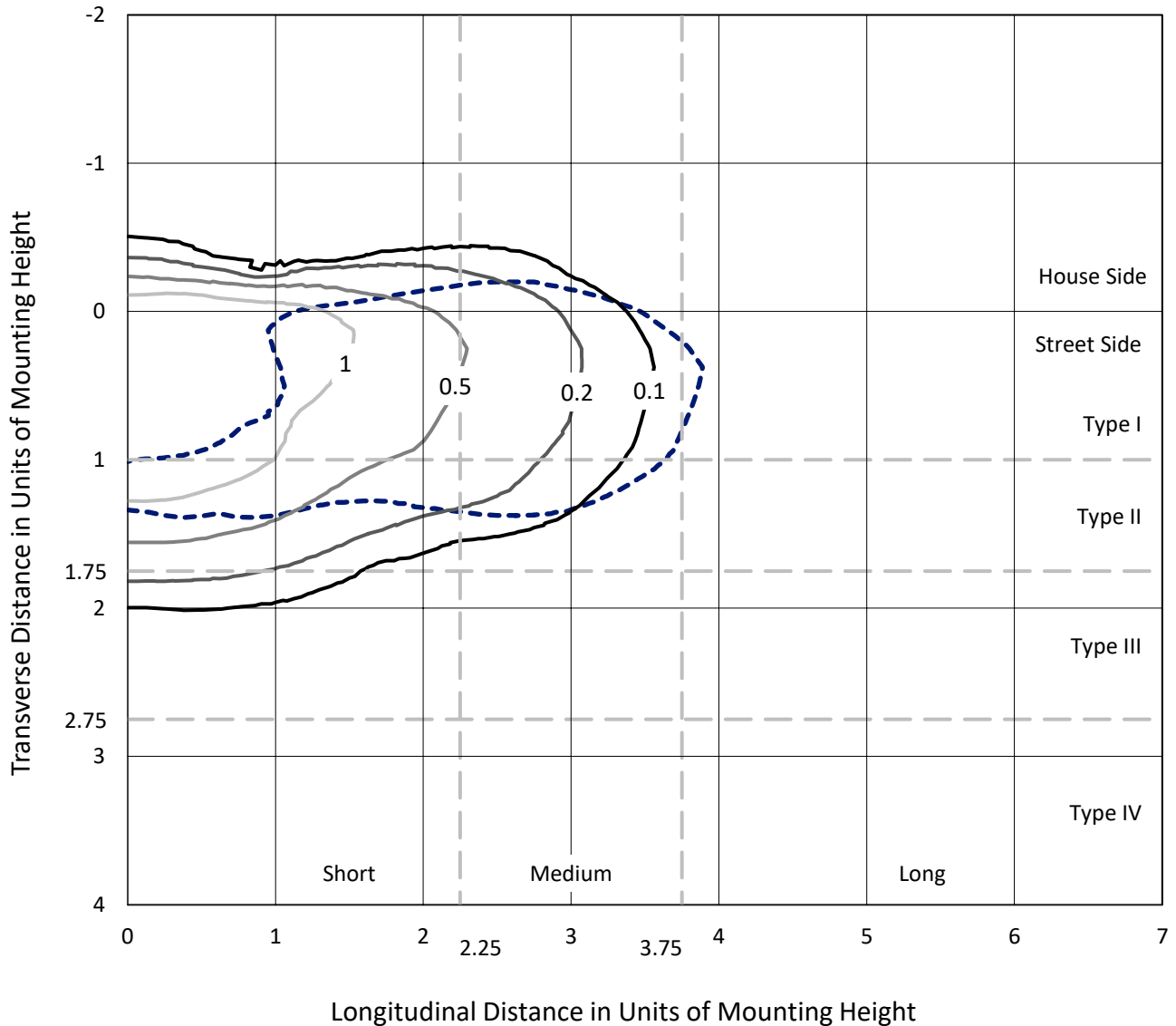
Input Watts (W): 18  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

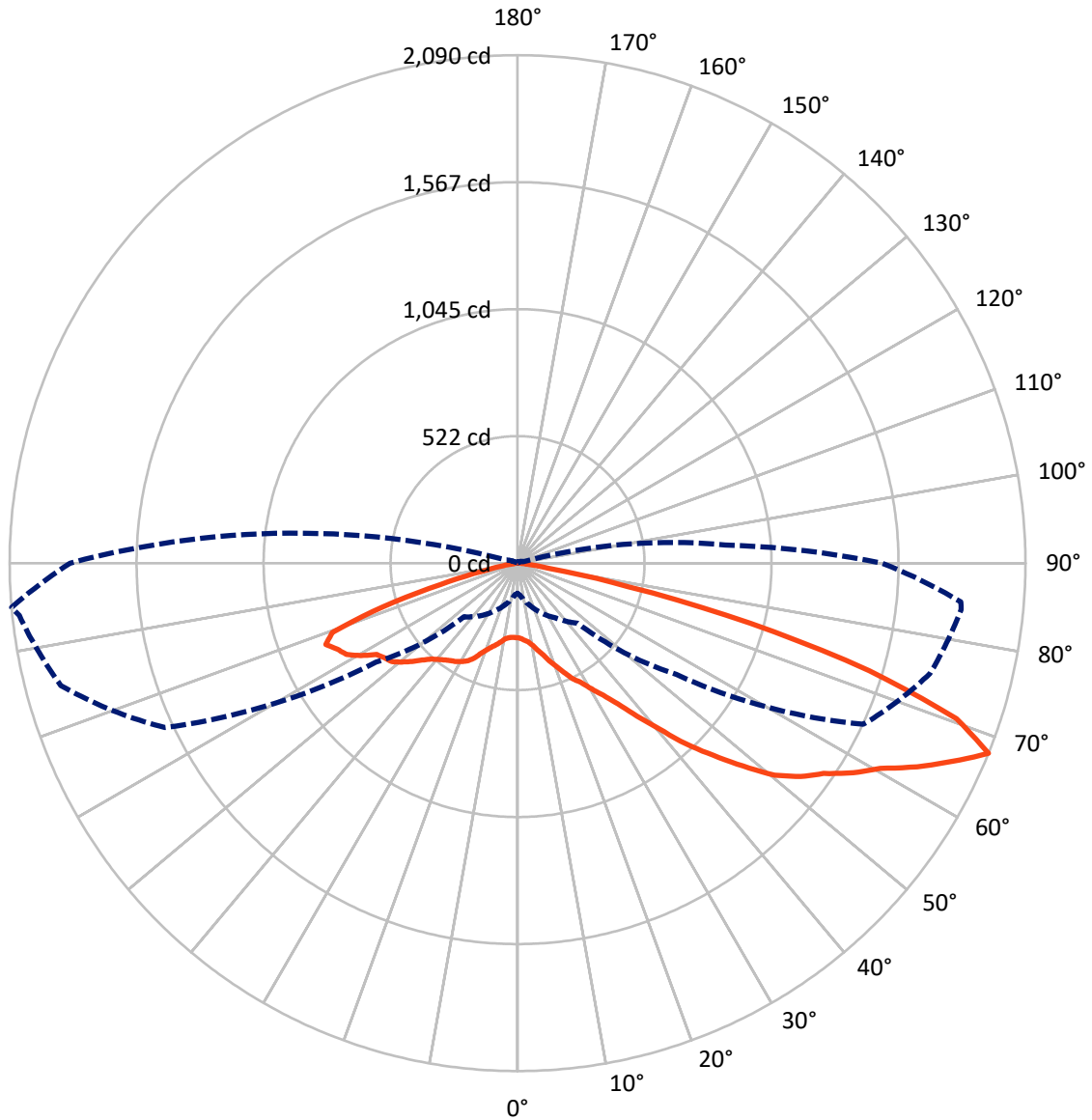
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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	300.1	0.0	300.1
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	1812.1	0.0	1812.1
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	2112.1	0.0	2112.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	1.3
10°-20°	75.3	3.6
20°-30°	125.1	5.9
30°-40°	215.2	10.2
40°-50°	386.7	18.3
50°-60°	550.5	26.1
60°-70°	501.8	23.8
70°-80°	213.7	10.1
80°-90°	15.9	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°	2112.1	100.0
0°-180°	2112.1	100.0



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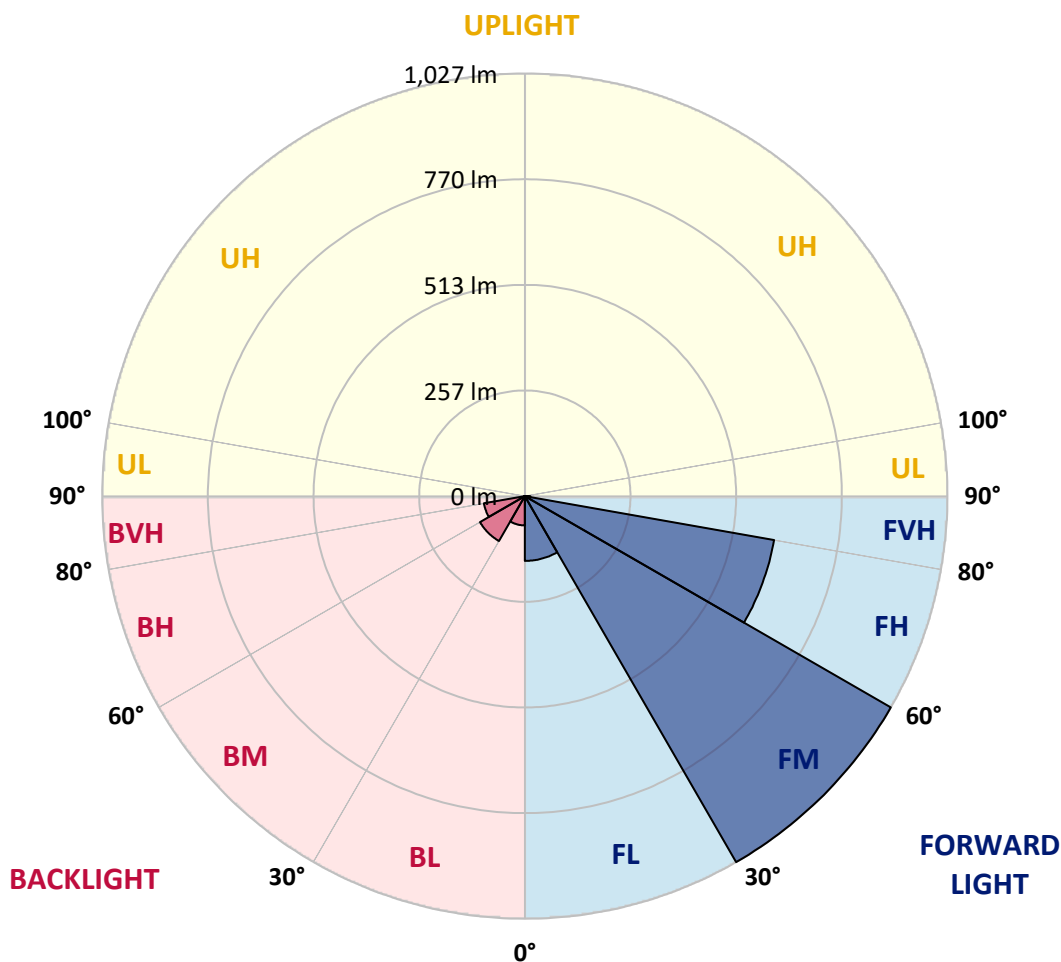
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.3	7.4			
FM (30°-60°)	1026.5	48.6			
FH (60°-80°)	614.7	29.1			G0/660
FVH (80°-90°)	13.5	0.6			G1/100
BL (0°-30°)	71.0	3.4	B0/110		
BM (30°-60°)	125.8	6.0	B0/220		
BH (60°-80°)	100.8	4.8	B0/110		G0/110
BVH (80°-90°)	2.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	318.2	321.2	321.2	320.2	317.2	315.2	314.2	312.2	310.2	310.2	311.2
5°	321.2	318.2	322.2	317.2	317.2	317.2	321.2	319.2	318.2	313.2	313.2
7.5°	321.2	318.2	318.2	321.2	318.2	320.2	325.3	323.3	327.3	318.2	320.2
10°	312.2	311.2	313.2	317.2	318.2	322.2	327.3	337.3	338.4	332.3	331.3
12.5°	294.0	293.0	300.1	302.1	314.2	324.3	339.4	347.4	356.5	353.5	347.4
15°	281.0	283.0	288.0	296.1	307.1	325.3	342.4	360.5	376.6	372.6	370.6
17.5°	286.0	285.0	286.0	291.0	305.1	323.3	352.5	373.6	396.8	396.8	398.8
20°	301.1	304.1	303.1	300.1	307.1	322.2	352.5	389.7	428.0	425.0	425.0
22.5°	327.3	328.3	322.2	320.2	319.2	328.3	358.5	409.9	454.2	460.2	458.2
25°	354.5	355.5	353.5	347.4	339.4	341.4	369.6	426.0	490.4	500.5	498.5
27.5°	399.8	398.8	393.7	386.7	374.6	365.5	386.7	438.0	518.6	535.7	530.7
30°	445.1	442.1	435.0	426.0	414.9	397.8	407.8	461.2	553.9	570.0	558.9
32.5°	500.5	494.4	496.5	482.4	459.2	432.0	430.0	482.4	582.1	605.2	596.1
35°	571.0	563.9	553.9	540.8	518.6	482.4	471.3	516.6	629.4	646.5	646.5
37.5°	663.6	670.7	658.6	604.2	580.0	545.8	522.6	551.8	670.7	712.0	701.9
40°	758.3	764.3	742.2	701.9	649.5	607.2	593.1	609.2	733.1	782.4	763.3
42.5°	834.8	842.9	834.8	782.4	741.2	686.8	661.6	676.7	813.7	873.1	847.9
45°	915.4	923.4	914.4	880.1	839.8	808.6	745.2	764.3	898.3	986.9	958.7
47.5°	975.8	985.9	969.8	962.7	930.5	925.4	817.7	838.8	986.9	1101.7	1066.4
50°	989.9	1001.0	1015.1	1023.1	1012.0	1024.1	915.4	933.5	1079.5	1207.4	1173.2
52.5°	956.7	967.7	999.0	1036.2	1087.6	1123.8	1014.1	1029.2	1176.2	1295.0	1276.9
55°	859.0	869.0	932.5	982.8	1105.7	1165.1	1108.7	1172.2	1245.7	1386.7	1342.3
57.5°	694.8	706.9	790.5	868.0	1045.3	1141.9	1165.1	1291.0	1360.5	1454.1	1402.8
60°	493.4	500.5	573.0	709.9	878.1	1026.1	1154.0	1379.6	1451.1	1544.8	1517.6
62.5°	284.0	290.0	365.5	494.4	662.6	857.0	1104.7	1463.2	1548.8	1644.4	1629.3
65°	188.3	190.3	241.7	312.2	431.0	631.4	979.8	1537.7	1645.5	1724.0	1706.9
67.5°	123.9	134.9	175.2	223.6	275.9	349.4	798.6	1568.9	1756.2	1834.8	1830.7
70°	88.6	92.6	125.9	172.2	207.4	196.4	467.3	1348.4	1751.2	1865.0	1831.8
72.5°	52.4	56.4	83.6	128.9	163.1	124.9	218.5	953.6	1451.1	1488.4	1479.3
75°	38.3	38.3	51.4	92.6	118.8	89.6	102.7	603.2	963.7	1046.3	1045.3
77.5°	27.2	28.2	35.2	55.4	91.6	65.5	56.4	335.3	526.7	576.0	548.8
80°	16.1	17.1	24.2	33.2	66.5	47.3	37.3	153.1	202.4	204.4	194.4
82.5°	12.1	12.1	16.1	23.2	46.3	32.2	23.2	58.4	65.5	59.4	50.4
85°	7.0	6.0	12.1	17.1	27.2	18.1	16.1	27.2	30.2	22.2	20.1
87.5°	2.0	2.0	5.0	6.0	12.1	10.1	7.0	10.1	14.1	8.1	6.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	309.2	306.1	301.1	299.1	292.0	289.0	287.0	282.0	283.0	279.9	279.9
5°	306.1	306.1	296.1	285.0	273.9	266.9	258.8	248.7	248.7	244.7	245.7
7.5°	317.2	309.2	296.1	275.9	257.8	241.7	234.6	224.6	218.5	215.5	215.5
10°	324.3	316.2	294.0	269.9	246.7	226.6	211.5	197.4	189.3	189.3	188.3
12.5°	343.4	331.3	302.1	268.9	234.6	204.4	181.3	165.1	154.1	146.0	148.0
15°	359.5	346.4	306.1	260.8	213.5	171.2	143.0	112.8	97.7	89.6	86.6
17.5°	384.7	360.5	315.2	246.7	181.3	133.9	92.6	67.5	61.4	60.4	60.4
20°	405.8	377.6	316.2	219.5	149.0	85.6	59.4	55.4	52.4	51.4	50.4
22.5°	435.0	399.8	312.2	188.3	106.7	57.4	50.4	46.3	44.3	41.3	41.3
25°	465.2	429.0	304.1	159.1	65.5	49.3	44.3	40.3	36.3	34.2	35.2
27.5°	497.5	451.1	281.0	123.9	50.4	43.3	36.3	33.2	31.2	30.2	30.2
30°	523.6	465.2	246.7	82.6	45.3	38.3	32.2	29.2	27.2	26.2	26.2
32.5°	542.8	477.3	208.5	55.4	41.3	34.2	29.2	26.2	24.2	23.2	23.2
35°	575.0	486.4	173.2	47.3	37.3	30.2	25.2	23.2	21.1	21.1	21.1
37.5°	624.3	498.5	138.0	43.3	34.2	27.2	24.2	21.1	20.1	19.1	19.1
40°	667.6	513.6	98.7	39.3	31.2	25.2	21.1	19.1	18.1	17.1	17.1
42.5°	730.1	530.7	64.4	35.2	28.2	23.2	19.1	17.1	16.1	15.1	15.1
45°	809.6	558.9	50.4	31.2	25.2	21.1	18.1	16.1	14.1	14.1	13.1
47.5°	894.2	593.1	45.3	29.2	23.2	19.1	16.1	14.1	13.1	12.1	12.1
50°	972.8	626.4	42.3	27.2	21.1	18.1	15.1	13.1	11.1	10.1	10.1
52.5°	1043.3	657.6	40.3	25.2	20.1	16.1	13.1	11.1	10.1	9.1	9.1
55°	1080.5	671.7	39.3	24.2	18.1	15.1	12.1	10.1	9.1	8.1	8.1
57.5°	1138.9	689.8	38.3	23.2	17.1	13.1	11.1	9.1	8.1	7.0	7.0
60°	1233.6	749.2	37.3	22.2	16.1	13.1	10.1	8.1	6.0	5.0	5.0
62.5°	1312.1	798.6	33.2	19.1	14.1	11.1	8.1	6.0	4.0	3.0	3.0
65°	1401.8	821.7	29.2	17.1	12.1	9.1	6.0	4.0	3.0	1.0	1.0
67.5°	1499.4	857.0	24.2	15.1	11.1	7.0	5.0	3.0	1.0	0.0	0.0
70°	1448.1	812.7	20.1	13.1	10.1	6.0	4.0	2.0	0.0	0.0	0.0
72.5°	1134.9	582.1	16.1	12.1	9.1	6.0	4.0	1.0	0.0	0.0	0.0
75°	758.3	329.3	14.1	10.1	7.0	5.0	3.0	1.0	0.0	0.0	0.0
77.5°	411.9	148.0	12.1	9.1	6.0	4.0	3.0	1.0	0.0	0.0	0.0
80°	133.9	58.4	10.1	8.1	6.0	4.0	3.0	1.0	0.0	0.0	0.0
82.5°	36.3	18.1	10.1	8.1	6.0	4.0	3.0	1.0	0.0	0.0	0.0
85°	15.1	12.1	10.1	8.1	6.0	4.0	3.0	1.0	0.0	0.0	0.0
87.5°	6.0	4.0	4.0	5.0	4.0	3.0	2.0	1.0	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°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	281.0	283.0	284.0	284.0	289.0	294.0	300.1	305.1	305.1	308.1	311.2
5°	246.7	248.7	251.8	260.8	270.9	282.0	293.0	301.1	312.2	317.2	320.2
7.5°	218.5	220.5	228.6	237.7	251.8	270.9	290.0	308.1	319.2	324.3	328.3
10°	189.3	192.3	201.4	217.5	235.6	258.8	281.0	312.2	330.3	340.4	344.4
12.5°	147.0	155.1	167.2	184.3	207.4	242.7	284.0	316.2	347.4	359.5	367.6
15°	92.6	99.7	118.8	146.0	177.2	218.5	275.9	322.2	365.5	377.6	390.7
17.5°	59.4	60.4	66.5	95.7	135.9	188.3	263.8	331.3	385.7	402.8	422.9
20°	50.4	52.4	53.4	57.4	90.6	155.1	238.7	342.4	409.9	433.0	452.1
22.5°	42.3	43.3	45.3	48.3	54.4	112.8	204.4	342.4	431.0	465.2	487.4
25°	34.2	36.3	38.3	41.3	47.3	70.5	169.2	336.3	456.2	498.5	526.7
27.5°	30.2	30.2	32.2	35.2	40.3	49.3	133.9	318.2	475.3	518.6	555.9
30°	26.2	27.2	28.2	31.2	36.3	43.3	92.6	289.0	495.4	557.9	600.2
32.5°	23.2	23.2	25.2	27.2	32.2	39.3	59.4	244.7	521.6	588.1	647.5
35°	21.1	21.1	22.2	24.2	29.2	35.2	46.3	207.4	552.8	645.5	710.9
37.5°	19.1	19.1	20.1	22.2	26.2	31.2	42.3	178.2	585.1	702.9	798.6
40°	17.1	17.1	18.1	20.1	23.2	28.2	38.3	144.0	625.4	787.5	894.2
42.5°	15.1	15.1	16.1	18.1	21.1	25.2	33.2	107.8	678.7	879.1	1018.1
45°	13.1	13.1	14.1	16.1	18.1	23.2	30.2	82.6	737.1	980.8	1126.8
47.5°	11.1	12.1	13.1	15.1	17.1	21.1	27.2	72.5	794.5	1088.6	1247.7
50°	10.1	10.1	11.1	13.1	16.1	19.1	25.2	71.5	852.9	1171.2	1371.5
52.5°	9.1	9.1	10.1	12.1	15.1	18.1	24.2	73.5	901.3	1247.7	1458.2
55°	8.1	8.1	9.1	10.1	13.1	17.1	22.2	75.5	935.5	1325.2	1527.6
57.5°	7.0	7.0	8.1	10.1	12.1	15.1	20.1	77.5	990.9	1401.8	1628.3
60°	5.0	5.0	7.0	9.1	11.1	13.1	19.1	79.6	1079.5	1507.5	1713.9
62.5°	3.0	3.0	4.0	7.0	9.1	12.1	17.1	75.5	1162.1	1643.4	1844.8
65°	1.0	2.0	3.0	4.0	7.0	10.1	14.1	68.5	1231.6	1779.4	1965.7
67.5°	0.0	0.0	1.0	3.0	6.0	8.1	12.1	50.4	1242.7	1840.8	2089.5
70°	0.0	0.0	1.0	3.0	5.0	8.1	11.1	28.2	1058.4	1644.4	1915.3
72.5°	0.0	0.0	0.0	2.0	5.0	7.0	10.1	21.1	780.4	1239.6	1513.5
75°	0.0	0.0	0.0	1.0	4.0	6.0	9.1	16.1	474.3	826.8	987.9
77.5°	0.0	0.0	0.0	1.0	3.0	6.0	9.1	14.1	167.2	393.7	464.2
80°	0.0	0.0	0.0	2.0	4.0	6.0	8.1	12.1	40.3	98.7	132.9
82.5°	0.0	0.0	0.0	1.0	3.0	5.0	7.0	10.1	16.1	29.2	46.3
85°	0.0	0.0	0.0	1.0	2.0	5.0	7.0	9.1	11.1	14.1	20.1
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.0	4.0	4.0	4.0	7.0
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):**

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	310.2	314.2	316.2	320.2	322.2	321.2	320.2	323.3	321.2	318.2
5°	321.2	321.2	324.3	325.3	325.3	322.2	324.3	323.3	321.2	321.2
7.5°	333.3	338.4	338.4	332.3	331.3	329.3	329.3	321.2	318.2	321.2
10°	345.4	349.4	350.4	343.4	334.3	330.3	325.3	315.2	310.2	312.2
12.5°	370.6	370.6	359.5	351.4	339.4	325.3	313.2	299.1	292.0	294.0
15°	388.7	392.7	377.6	359.5	338.4	312.2	299.1	288.0	284.0	281.0
17.5°	424.0	415.9	391.7	365.5	335.3	308.1	299.1	289.0	286.0	286.0
20°	454.2	450.1	413.9	366.6	334.3	316.2	310.2	305.1	304.1	301.1
22.5°	495.4	477.3	431.0	377.6	345.4	329.3	327.3	332.3	329.3	327.3
25°	526.7	511.6	444.1	393.7	362.5	357.5	360.5	365.5	357.5	354.5
27.5°	569.0	540.8	469.3	414.9	385.7	390.7	400.8	401.8	396.8	399.8
30°	608.2	578.0	488.4	439.1	425.0	430.0	445.1	456.2	449.1	445.1
32.5°	664.6	618.3	526.7	479.3	474.3	487.4	504.5	511.6	502.5	500.5
35°	724.0	664.6	565.9	524.7	533.7	551.8	566.9	579.0	564.9	571.0
37.5°	816.7	739.1	632.4	596.1	600.2	607.2	635.4	668.7	675.7	663.6
40°	913.4	819.7	693.8	665.6	674.7	693.8	727.1	758.3	774.4	758.3
42.5°	1025.1	897.2	788.5	755.3	764.3	791.5	835.8	861.0	859.0	834.8
45°	1163.1	1005.0	877.1	835.8	869.0	893.2	937.5	940.5	921.4	915.4
47.5°	1268.8	1095.6	972.8	946.6	991.9	992.9	1003.0	1004.0	982.8	975.8
50°	1385.6	1200.4	1079.5	1041.2	1117.8	1082.5	1055.3	1037.2	1005.0	989.9
52.5°	1500.4	1274.9	1178.2	1138.9	1218.5	1124.8	1075.5	1020.1	972.8	956.7
55°	1561.9	1397.7	1322.2	1230.6	1240.6	1136.9	1013.1	943.6	863.0	859.0
57.5°	1634.4	1480.3	1444.1	1293.0	1203.4	1052.3	883.1	791.5	704.9	694.8
60°	1720.0	1611.2	1572.9	1282.9	1071.5	884.2	699.9	582.1	500.5	493.4
62.5°	1815.6	1766.3	1652.5	1184.2	850.9	622.3	462.2	363.5	288.0	284.0
65°	1966.7	1896.2	1694.8	996.9	562.9	398.8	307.1	235.6	190.3	188.3
67.5°	2061.3	1945.5	1600.1	710.9	312.2	263.8	215.5	171.2	131.9	123.9
70°	1927.4	1785.4	1265.8	406.8	181.3	200.4	166.2	114.8	90.6	88.6
72.5°	1539.7	1325.2	851.9	191.3	112.8	157.1	120.8	77.5	54.4	52.4
75°	1050.3	833.8	534.7	88.6	79.6	114.8	88.6	45.3	38.3	38.3
77.5°	469.3	425.0	273.9	54.4	59.4	87.6	51.4	31.2	28.2	27.2
80°	143.0	150.0	111.8	37.3	44.3	66.5	31.2	21.1	17.1	16.1
82.5°	48.3	56.4	50.4	22.2	30.2	47.3	21.1	14.1	12.1	12.1
85°	23.2	28.2	25.2	14.1	16.1	23.2	17.1	11.1	7.0	7.0
87.5°	9.1	13.1	9.1	6.0	9.1	12.1	7.0	5.0	2.0	2.0
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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