

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: P676263

Luminaire Tested: **CCW-SA-1A-735-U-T2-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676263
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-735-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) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

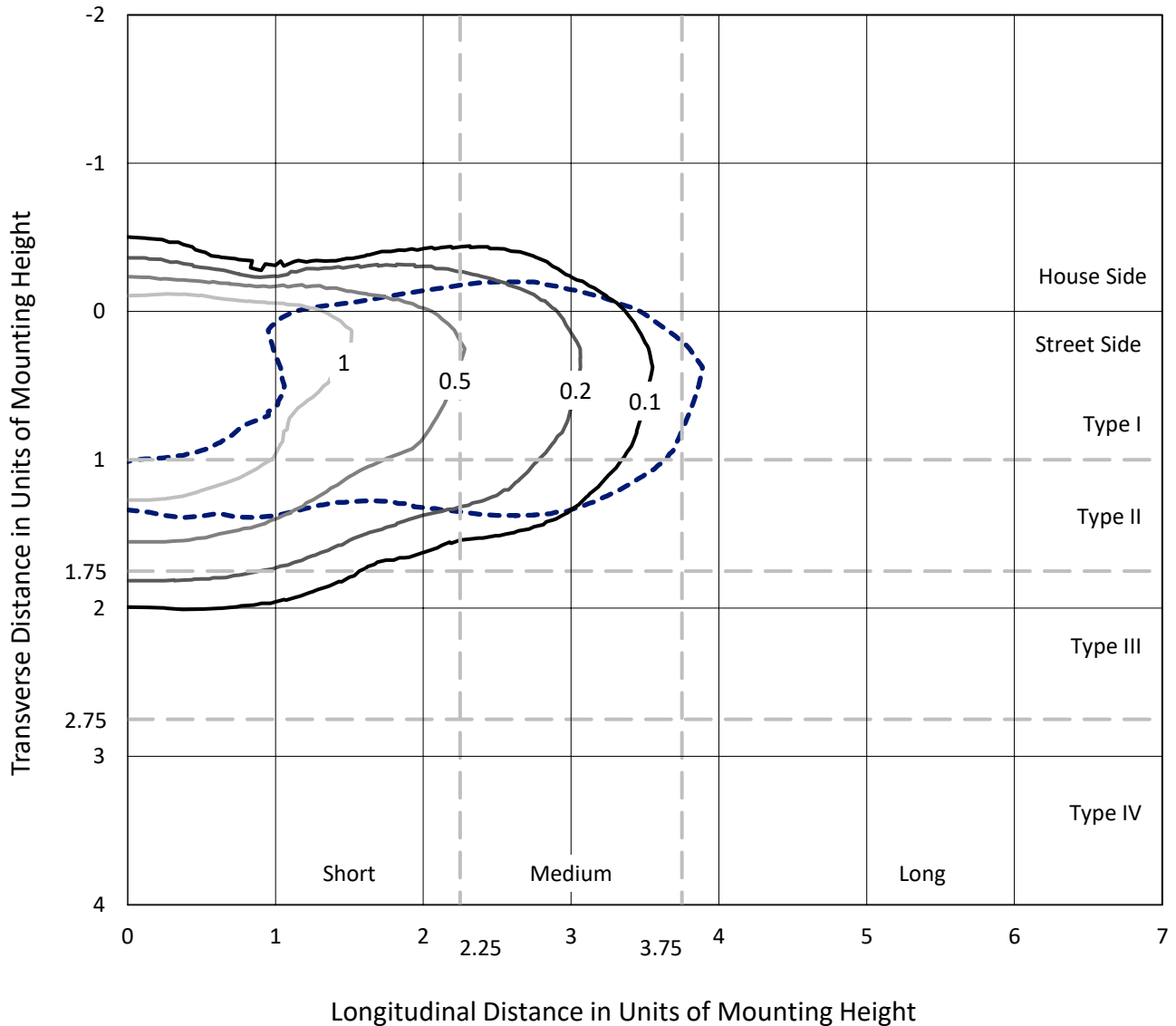
Lumens per Lamp: N/A
Luminaire Lumens: 2083.2 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

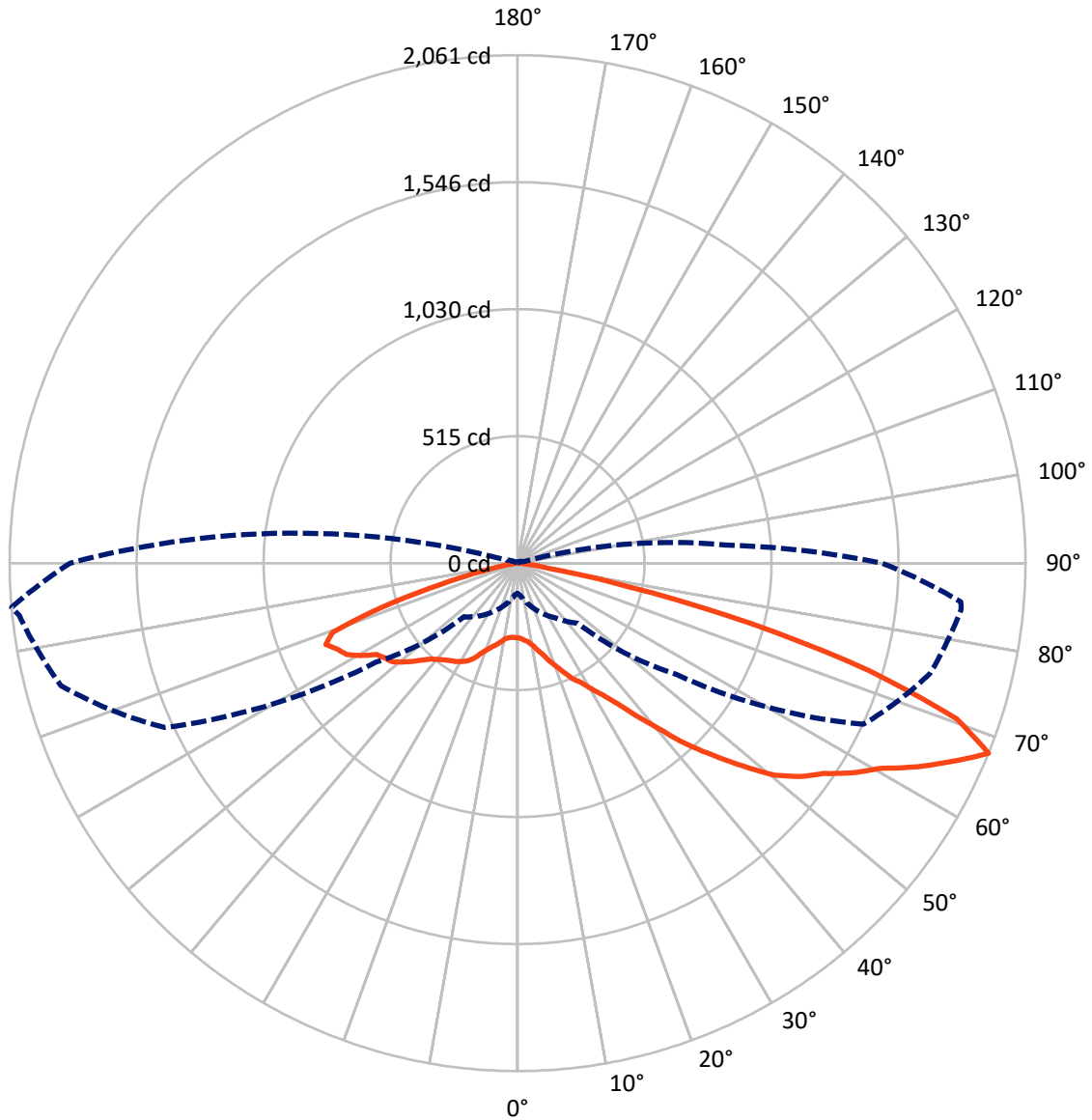
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	296.0	0.0	296.0
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	1787.3	0.0	1787.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	2083.2	0.0	2083.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	1.3
10°-20°	74.3	3.6
20°-30°	123.4	5.9
30°-40°	212.2	10.2
40°-50°	381.4	18.3
50°-60°	542.9	26.1
60°-70°	495.0	23.8
70°-80°	210.8	10.1
80°-90°	15.7	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°	2083.2	100.0
0°-180°	2083.2	100.0



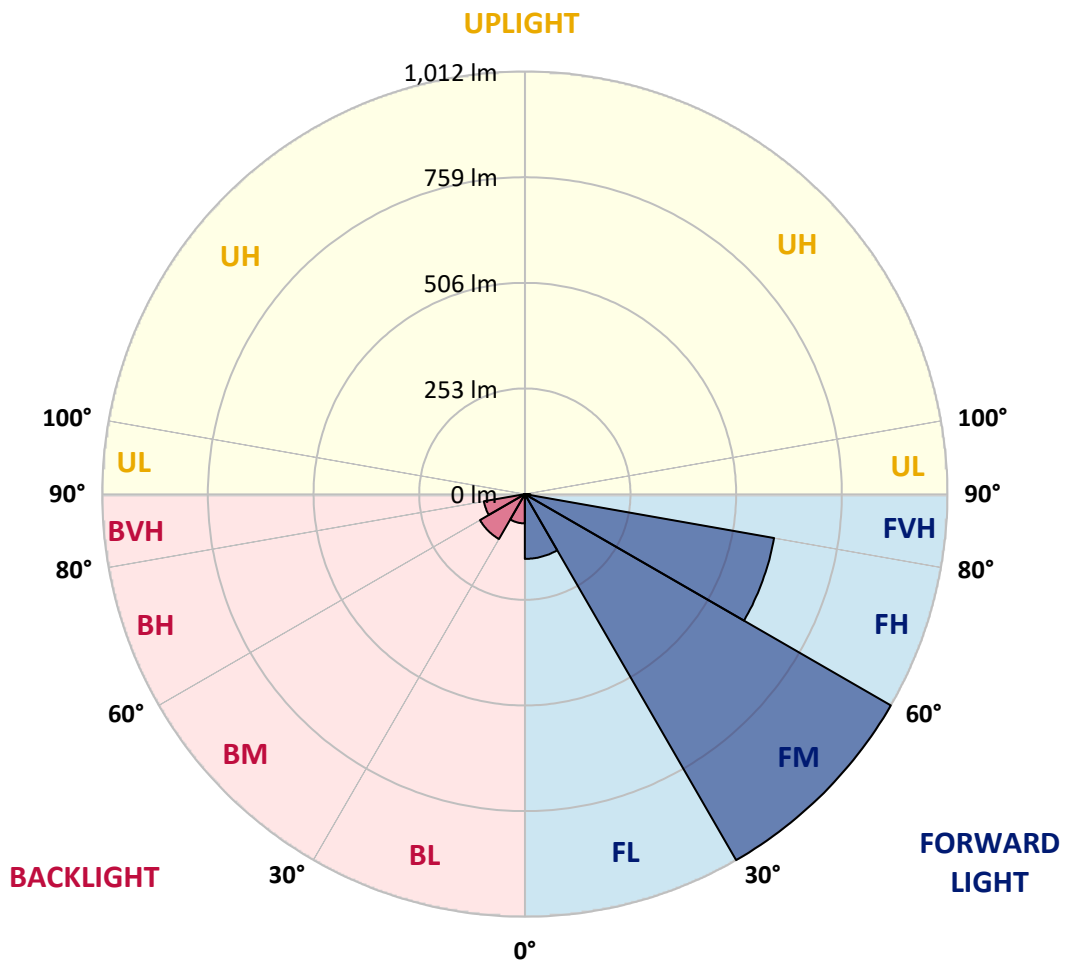
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.2	7.4			
FM (30°-60°)	1012.4	48.6			
FH (60°-80°)	606.3	29.1			G0/660
FVH (80°-90°)	13.3	0.6			G1/100
BL (0°-30°)	70.1	3.4	B0/110		
BM (30°-60°)	124.1	6.0	B0/220		
BH (60°-80°)	99.5	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°	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9
2.5°	313.9	316.8	316.8	315.8	312.9	310.9	309.9	307.9	305.9	305.9	306.9
5°	316.8	313.9	317.8	312.9	312.9	312.9	316.8	314.8	313.9	308.9	308.9
7.5°	316.8	313.9	313.9	316.8	313.9	315.8	320.8	318.8	322.8	313.9	315.8
10°	307.9	306.9	308.9	312.9	313.9	317.8	322.8	332.7	333.7	327.8	326.8
12.5°	290.0	289.0	296.0	298.0	309.9	319.8	334.7	342.7	351.6	348.6	342.7
15°	277.1	279.1	284.1	292.0	302.9	320.8	337.7	355.6	371.5	367.5	365.5
17.5°	282.1	281.1	282.1	287.0	300.9	318.8	347.6	368.5	391.3	391.3	393.3
20°	297.0	300.0	299.0	296.0	302.9	317.8	347.6	384.4	422.1	419.1	419.1
22.5°	322.8	323.8	317.8	315.8	314.8	323.8	353.6	404.2	447.9	453.9	451.9
25°	349.6	350.6	348.6	342.7	334.7	336.7	364.5	420.1	483.7	493.6	491.6
27.5°	394.3	393.3	388.3	381.4	369.5	360.5	381.4	432.0	511.5	528.4	523.4
30°	439.0	436.0	429.1	420.1	409.2	392.3	402.3	454.9	546.3	562.2	551.2
32.5°	493.6	487.7	489.7	475.7	452.9	426.1	424.1	475.7	574.1	596.9	588.0
35°	563.2	556.2	546.3	533.4	511.5	475.7	464.8	509.5	620.8	637.6	637.6
37.5°	654.5	661.5	649.6	595.9	572.1	538.3	515.5	544.3	661.5	702.2	692.3
40°	747.9	753.8	732.0	692.3	640.6	598.9	585.0	600.9	723.1	771.7	752.9
42.5°	823.4	831.3	823.4	771.7	731.0	677.4	652.5	667.4	802.5	861.1	836.3
45°	902.8	910.8	901.8	868.1	828.3	797.6	735.0	753.8	885.9	973.3	945.5
47.5°	962.4	972.4	956.5	949.5	917.7	912.8	806.5	827.3	973.3	1086.6	1051.8
50°	976.3	987.3	1001.2	1009.1	998.2	1010.1	902.8	920.7	1064.7	1190.9	1157.1
52.5°	943.6	954.5	985.3	1022.0	1072.7	1108.4	1000.2	1015.1	1160.1	1277.3	1259.4
55°	847.2	857.1	919.7	969.4	1090.5	1149.1	1093.5	1156.1	1228.6	1367.7	1324.0
57.5°	685.3	697.2	779.7	856.2	1031.0	1126.3	1149.1	1273.3	1341.8	1434.2	1383.5
60°	486.7	493.6	565.1	700.2	866.1	1012.1	1138.2	1360.7	1431.2	1523.6	1496.8
62.5°	280.1	286.0	360.5	487.7	653.5	845.2	1089.6	1443.1	1527.6	1621.9	1607.0
65°	185.7	187.7	238.4	307.9	425.1	622.7	966.4	1516.6	1622.9	1700.4	1683.5
67.5°	122.2	133.1	172.8	220.5	272.1	344.6	787.6	1547.4	1732.2	1809.6	1805.7
70°	87.4	91.4	124.2	169.8	204.6	193.7	460.9	1329.9	1727.2	1839.4	1806.7
72.5°	51.6	55.6	82.4	127.1	160.9	123.2	215.5	940.6	1431.2	1468.0	1459.0
75°	37.7	37.7	50.7	91.4	117.2	88.4	101.3	594.9	950.5	1031.9	1031.0
77.5°	26.8	27.8	34.8	54.6	90.4	64.6	55.6	330.7	519.5	568.1	541.3
80°	15.9	16.9	23.8	32.8	65.6	46.7	36.7	151.0	199.6	201.6	191.7
82.5°	11.9	11.9	15.9	22.8	45.7	31.8	22.8	57.6	64.6	58.6	49.7
85°	7.0	6.0	11.9	16.9	26.8	17.9	15.9	26.8	29.8	21.9	19.9
87.5°	2.0	2.0	5.0	6.0	11.9	9.9	7.0	9.9	13.9	7.9	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°	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9
2.5°	304.9	301.9	297.0	295.0	288.0	285.1	283.1	278.1	279.1	276.1	276.1
5°	301.9	301.9	292.0	281.1	270.2	263.2	255.3	245.3	245.3	241.4	242.3
7.5°	312.9	304.9	292.0	272.1	254.3	238.4	231.4	221.5	215.5	212.5	212.5
10°	319.8	311.9	290.0	266.2	243.3	223.5	208.6	194.7	186.7	186.7	185.7
12.5°	338.7	326.8	298.0	265.2	231.4	201.6	178.8	162.9	152.0	144.0	146.0
15°	354.6	341.7	301.9	257.2	210.6	168.8	141.0	111.2	96.3	88.4	85.4
17.5°	379.4	355.6	310.9	243.3	178.8	132.1	91.4	66.5	60.6	59.6	59.6
20°	400.3	372.5	311.9	216.5	147.0	84.4	58.6	54.6	51.6	50.7	49.7
22.5°	429.1	394.3	307.9	185.7	105.3	56.6	49.7	45.7	43.7	40.7	40.7
25°	458.9	423.1	300.0	156.9	64.6	48.7	43.7	39.7	35.8	33.8	34.8
27.5°	490.6	445.0	277.1	122.2	49.7	42.7	35.8	32.8	30.8	29.8	29.8
30°	516.5	458.9	243.3	81.4	44.7	37.7	31.8	28.8	26.8	25.8	25.8
32.5°	535.3	470.8	205.6	54.6	40.7	33.8	28.8	25.8	23.8	22.8	22.8
35°	567.1	479.7	170.8	46.7	36.7	29.8	24.8	22.8	20.9	20.9	20.9
37.5°	615.8	491.6	136.1	42.7	33.8	26.8	23.8	20.9	19.9	18.9	18.9
40°	658.5	506.5	97.3	38.7	30.8	24.8	20.9	18.9	17.9	16.9	16.9
42.5°	720.1	523.4	63.6	34.8	27.8	22.8	18.9	16.9	15.9	14.9	14.9
45°	798.5	551.2	49.7	30.8	24.8	20.9	17.9	15.9	13.9	13.9	12.9
47.5°	882.0	585.0	44.7	28.8	22.8	18.9	15.9	13.9	12.9	11.9	11.9
50°	959.4	617.8	41.7	26.8	20.9	17.9	14.9	12.9	10.9	9.9	9.9
52.5°	1029.0	648.6	39.7	24.8	19.9	15.9	12.9	10.9	9.9	8.9	8.9
55°	1065.7	662.5	38.7	23.8	17.9	14.9	11.9	9.9	8.9	7.9	7.9
57.5°	1123.3	680.4	37.7	22.8	16.9	12.9	10.9	8.9	7.9	7.0	7.0
60°	1216.7	739.0	36.7	21.9	15.9	12.9	9.9	7.9	6.0	5.0	5.0
62.5°	1294.2	787.6	32.8	18.9	13.9	10.9	7.9	6.0	4.0	3.0	3.0
65°	1382.6	810.5	28.8	16.9	11.9	8.9	6.0	4.0	3.0	1.0	1.0
67.5°	1478.9	845.2	23.8	14.9	10.9	7.0	5.0	3.0	1.0	0.0	0.0
70°	1428.2	801.5	19.9	12.9	9.9	6.0	4.0	2.0	0.0	0.0	0.0
72.5°	1119.4	574.1	15.9	11.9	8.9	6.0	4.0	1.0	0.0	0.0	0.0
75°	747.9	324.8	13.9	9.9	7.0	5.0	3.0	1.0	0.0	0.0	0.0
77.5°	406.2	146.0	11.9	8.9	6.0	4.0	3.0	1.0	0.0	0.0	0.0
80°	132.1	57.6	9.9	7.9	6.0	4.0	3.0	1.0	0.0	0.0	0.0
82.5°	35.8	17.9	9.9	7.9	6.0	4.0	3.0	1.0	0.0	0.0	0.0
85°	14.9	11.9	9.9	7.9	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°	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9
2.5°	277.1	279.1	280.1	280.1	285.1	290.0	296.0	300.9	300.9	303.9	306.9
5°	243.3	245.3	248.3	257.2	267.2	278.1	289.0	297.0	307.9	312.9	315.8
7.5°	215.5	217.5	225.5	234.4	248.3	267.2	286.0	303.9	314.8	319.8	323.8
10°	186.7	189.7	198.6	214.5	232.4	255.3	277.1	307.9	325.8	335.7	339.7
12.5°	145.0	153.0	164.9	181.8	204.6	239.4	280.1	311.9	342.7	354.6	362.5
15°	91.4	98.3	117.2	144.0	174.8	215.5	272.1	317.8	360.5	372.5	385.4
17.5°	58.6	59.6	65.6	94.4	134.1	185.7	260.2	326.8	380.4	397.3	417.1
20°	49.7	51.6	52.6	56.6	89.4	153.0	235.4	337.7	404.2	427.1	446.0
22.5°	41.7	42.7	44.7	47.7	53.6	111.2	201.6	337.7	425.1	458.9	480.7
25°	33.8	35.8	37.7	40.7	46.7	69.5	166.9	331.7	449.9	491.6	519.5
27.5°	29.8	29.8	31.8	34.8	39.7	48.7	132.1	313.9	468.8	511.5	548.3
30°	25.8	26.8	27.8	30.8	35.8	42.7	91.4	285.1	488.7	550.2	592.0
32.5°	22.8	22.8	24.8	26.8	31.8	38.7	58.6	241.4	514.5	580.0	638.6
35°	20.9	20.9	21.9	23.8	28.8	34.8	45.7	204.6	545.3	636.7	701.2
37.5°	18.9	18.9	19.9	21.9	25.8	30.8	41.7	175.8	577.1	693.3	787.6
40°	16.9	16.9	17.9	19.9	22.8	27.8	37.7	142.0	616.8	776.7	882.0
42.5°	14.9	14.9	15.9	17.9	20.9	24.8	32.8	106.3	669.4	867.1	1004.1
45°	12.9	12.9	13.9	15.9	17.9	22.8	29.8	81.4	727.0	967.4	1111.4
47.5°	10.9	11.9	12.9	14.9	16.9	20.9	26.8	71.5	783.6	1073.7	1230.6
50°	9.9	9.9	10.9	12.9	15.9	18.9	24.8	70.5	841.3	1155.1	1352.8
52.5°	8.9	8.9	9.9	11.9	14.9	17.9	23.8	72.5	888.9	1230.6	1438.2
55°	7.9	7.9	8.9	9.9	12.9	16.9	21.9	74.5	922.7	1307.1	1506.7
57.5°	7.0	7.0	7.9	9.9	11.9	14.9	19.9	76.5	977.3	1382.6	1606.0
60°	5.0	5.0	7.0	8.9	10.9	12.9	18.9	78.5	1064.7	1486.8	1690.5
62.5°	3.0	3.0	4.0	7.0	8.9	11.9	16.9	74.5	1146.2	1620.9	1819.6
65°	1.0	2.0	3.0	4.0	7.0	9.9	13.9	67.5	1214.7	1755.0	1938.8
67.5°	0.0	0.0	1.0	3.0	6.0	7.9	11.9	49.7	1225.6	1815.6	2060.9
70°	0.0	0.0	1.0	3.0	5.0	7.9	10.9	27.8	1043.9	1621.9	1889.1
72.5°	0.0	0.0	0.0	2.0	5.0	7.0	9.9	20.9	769.7	1222.6	1492.8
75°	0.0	0.0	0.0	1.0	4.0	6.0	8.9	15.9	467.8	815.4	974.3
77.5°	0.0	0.0	0.0	1.0	3.0	6.0	8.9	13.9	164.9	388.3	457.9
80°	0.0	0.0	0.0	2.0	4.0	6.0	7.9	11.9	39.7	97.3	131.1
82.5°	0.0	0.0	0.0	1.0	3.0	5.0	7.0	9.9	15.9	28.8	45.7
85°	0.0	0.0	0.0	1.0	2.0	5.0	7.0	8.9	10.9	13.9	19.9
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°	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9
2.5°	305.9	309.9	311.9	315.8	317.8	316.8	315.8	318.8	316.8	313.9
5°	316.8	316.8	319.8	320.8	320.8	317.8	319.8	318.8	316.8	316.8
7.5°	328.8	333.7	333.7	327.8	326.8	324.8	324.8	316.8	313.9	316.8
10°	340.7	344.6	345.6	338.7	329.7	325.8	320.8	310.9	305.9	307.9
12.5°	365.5	365.5	354.6	346.6	334.7	320.8	308.9	295.0	288.0	290.0
15°	383.4	387.4	372.5	354.6	333.7	307.9	295.0	284.1	280.1	277.1
17.5°	418.1	410.2	386.4	360.5	330.7	303.9	295.0	285.1	282.1	282.1
20°	447.9	444.0	408.2	361.5	329.7	311.9	305.9	300.9	300.0	297.0
22.5°	488.7	470.8	425.1	372.5	340.7	324.8	322.8	327.8	324.8	322.8
25°	519.5	504.6	438.0	388.3	357.6	352.6	355.6	360.5	352.6	349.6
27.5°	561.2	533.4	462.8	409.2	380.4	385.4	395.3	396.3	391.3	394.3
30°	599.9	570.1	481.7	433.0	419.1	424.1	439.0	449.9	443.0	439.0
32.5°	655.5	609.8	519.5	472.8	467.8	480.7	497.6	504.6	495.6	493.6
35°	714.1	655.5	558.2	517.5	526.4	544.3	559.2	571.1	557.2	563.2
37.5°	805.5	729.0	623.7	588.0	592.0	598.9	626.7	659.5	666.4	654.5
40°	900.8	808.5	684.3	656.5	665.5	684.3	717.1	747.9	763.8	747.9
42.5°	1011.1	885.0	777.7	744.9	753.8	780.7	824.4	849.2	847.2	823.4
45°	1147.2	991.2	865.1	824.4	857.1	881.0	924.7	927.7	908.8	902.8
47.5°	1251.4	1080.6	959.4	933.6	978.3	979.3	989.2	990.2	969.4	962.4
50°	1366.7	1183.9	1064.7	1027.0	1102.5	1067.7	1040.9	1023.0	991.2	976.3
52.5°	1479.9	1257.4	1162.1	1123.3	1201.8	1109.4	1060.8	1006.1	959.4	943.6
55°	1540.5	1378.6	1304.1	1213.7	1223.6	1121.3	999.2	930.6	851.2	847.2
57.5°	1612.0	1460.0	1424.3	1275.3	1186.9	1037.9	871.0	780.7	695.2	685.3
60°	1696.4	1589.1	1551.4	1265.4	1056.8	872.0	690.3	574.1	493.6	486.7
62.5°	1790.8	1742.1	1629.9	1168.0	839.3	613.8	455.9	358.6	284.1	280.1
65°	1939.7	1870.2	1671.6	983.3	555.2	393.3	302.9	232.4	187.7	185.7
67.5°	2033.1	1918.9	1578.2	701.2	307.9	260.2	212.5	168.8	130.1	122.2
70°	1901.0	1761.0	1248.5	401.3	178.8	197.6	163.9	113.2	89.4	87.4
72.5°	1518.6	1307.1	840.3	188.7	111.2	154.9	119.2	76.5	53.6	51.6
75°	1035.9	822.4	527.4	87.4	78.5	113.2	87.4	44.7	37.7	37.7
77.5°	462.8	419.1	270.2	53.6	58.6	86.4	50.7	30.8	27.8	26.8
80°	141.0	148.0	110.2	36.7	43.7	65.6	30.8	20.9	16.9	15.9
82.5°	47.7	55.6	49.7	21.9	29.8	46.7	20.9	13.9	11.9	11.9
85°	22.8	27.8	24.8	13.9	15.9	22.8	16.9	10.9	7.0	7.0
87.5°	8.9	12.9	8.9	6.0	8.9	11.9	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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