

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: P676285

Luminaire Tested: **CCW-SA-1A-750-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676285
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-750-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) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

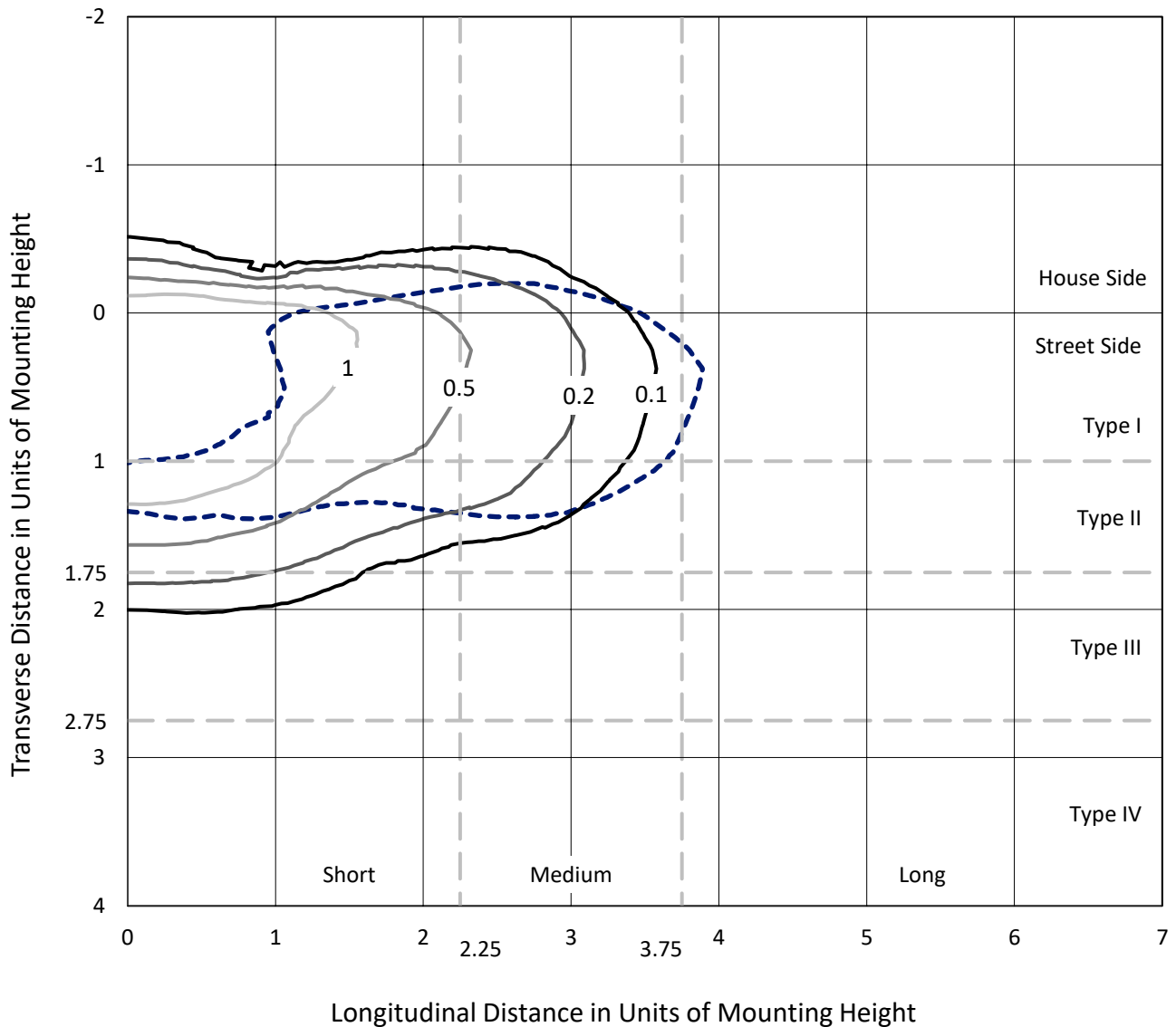
Lumens per Lamp: N/A
Luminaire Lumens: 2160.5 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

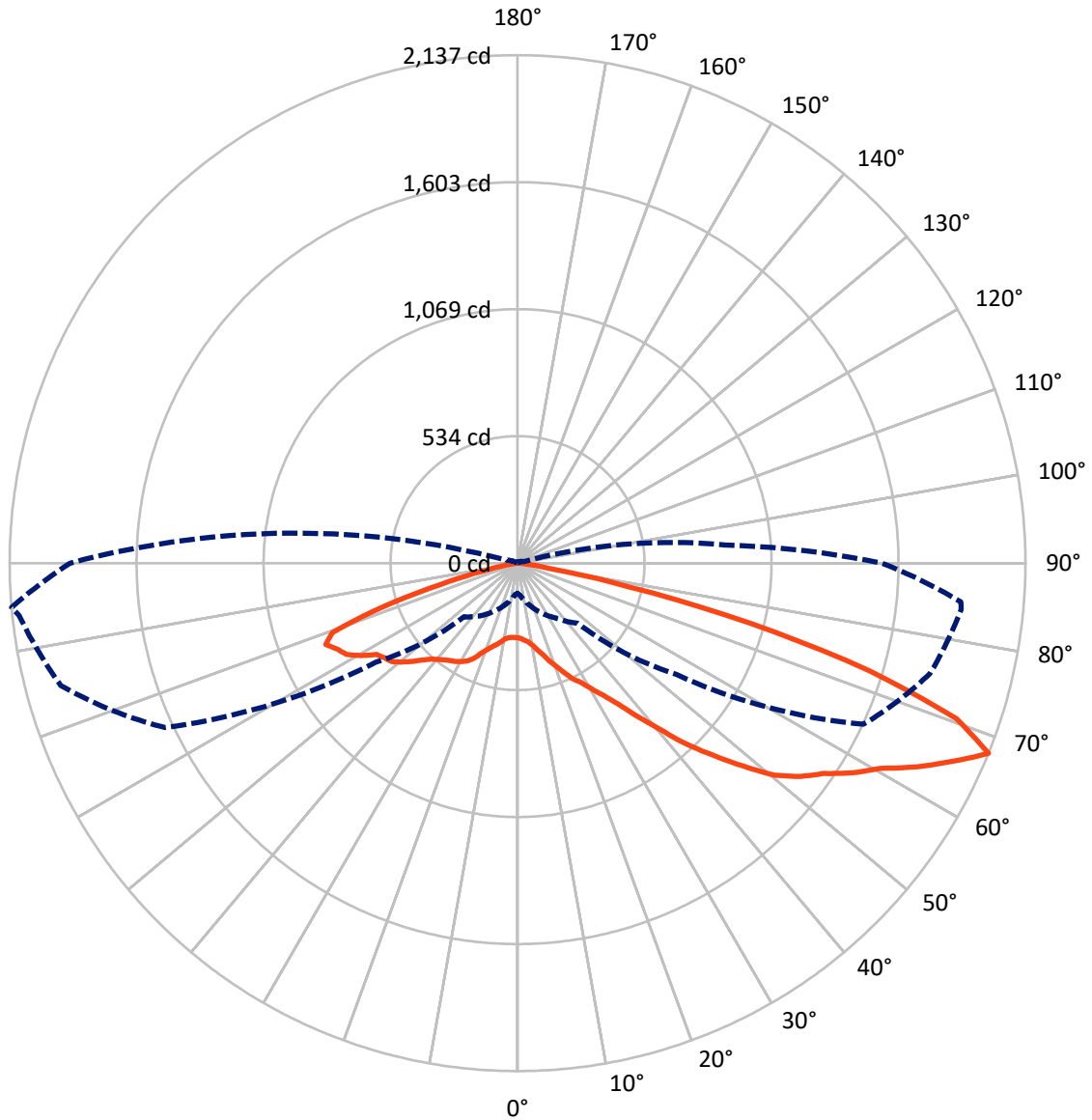
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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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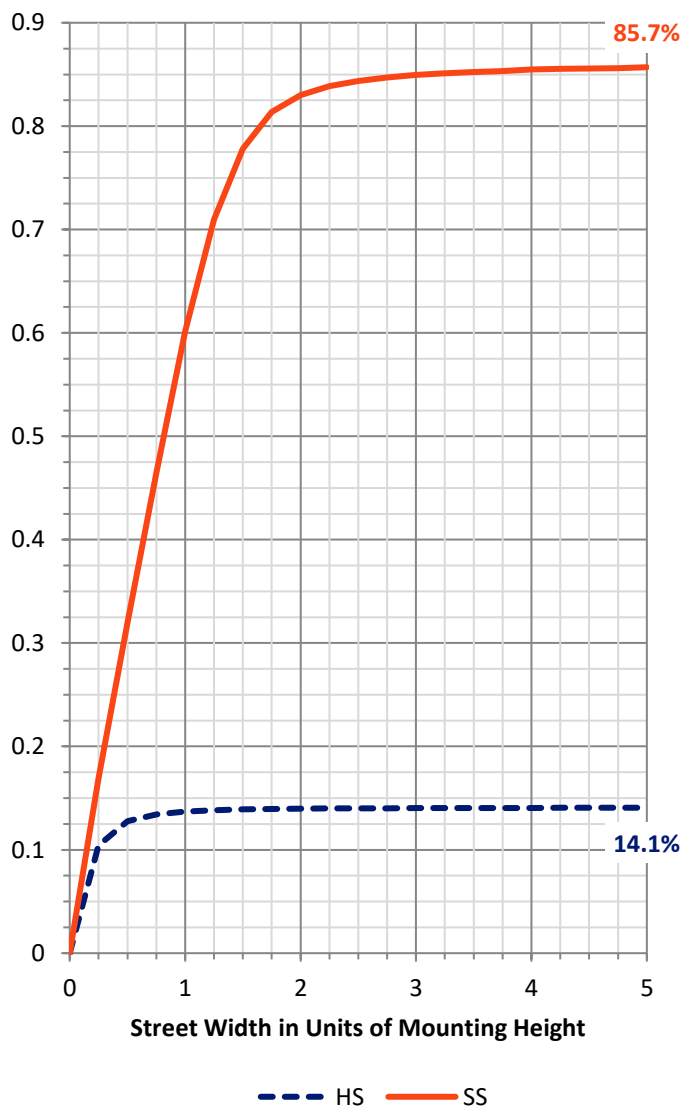
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.9	0.0	306.9
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	1853.6	0.0	1853.6
	% Fixture	85.8	0.0	85.8
Total	Lumens	2160.5	0.0	2160.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	1.3
10°-20°	77.0	3.6
20°-30°	127.9	5.9
30°-40°	220.1	10.2
40°-50°	395.5	18.3
50°-60°	563.1	26.1
60°-70°	513.3	23.8
70°-80°	218.6	10.1
80°-90°	16.3	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°	2160.5	100.0
0°-180°	2160.5	100.0



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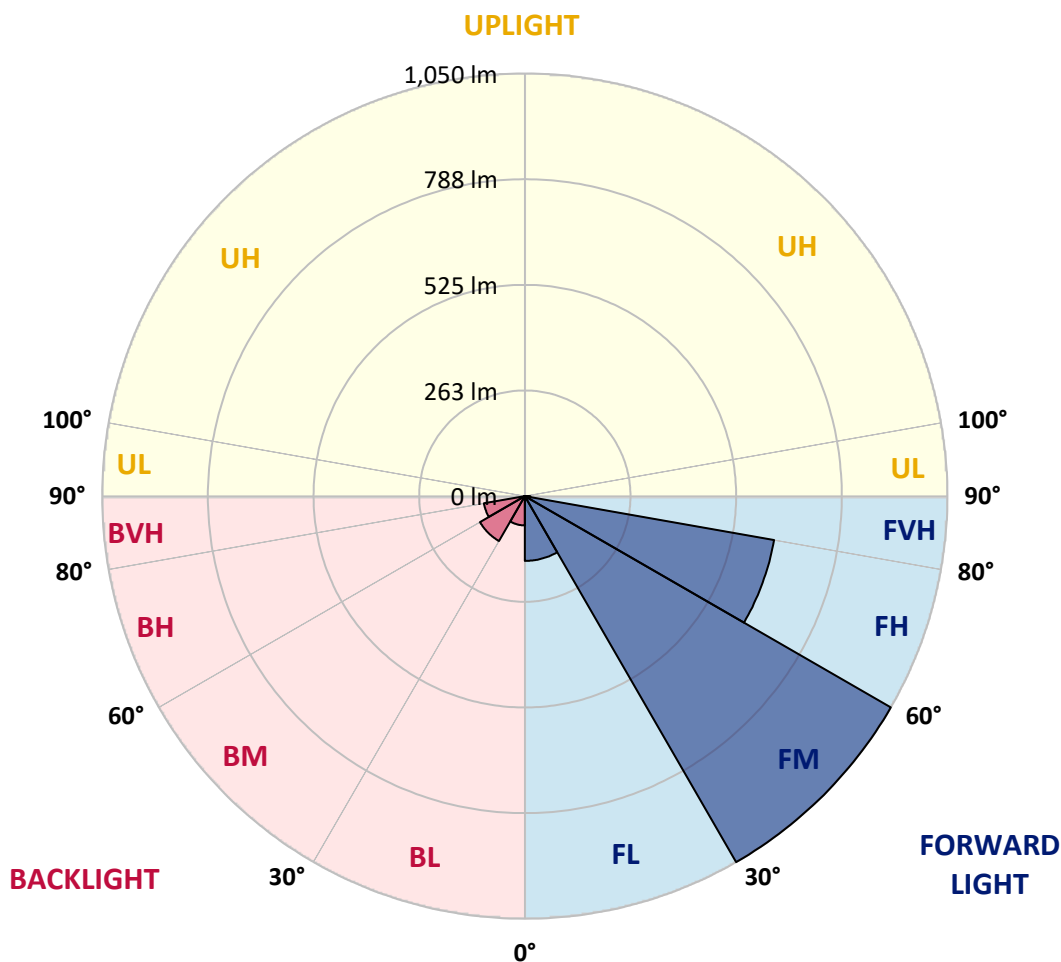
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.0	7.4			
FM (30°-60°)	1050.0	48.6			
FH (60°-80°)	628.8	29.1			G0/660
FVH (80°-90°)	13.8	0.6			G1/100
BL (0°-30°)	72.7	3.4	B0/110		
BM (30°-60°)	128.7	6.0	B0/220		
BH (60°-80°)	103.1	4.8	B0/110		G0/110
BVH (80°-90°)	2.5	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°	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2
2.5°	325.5	328.6	328.6	327.6	324.5	322.4	321.4	319.3	317.3	317.3	318.3
5°	328.6	325.5	329.6	324.5	324.5	324.5	328.6	326.5	325.5	320.4	320.4
7.5°	328.6	325.5	325.5	328.6	325.5	327.6	332.7	330.7	334.8	325.5	327.6
10°	319.3	318.3	320.4	324.5	325.5	329.6	334.8	345.1	346.1	339.9	338.9
12.5°	300.8	299.8	307.0	309.0	321.4	331.7	347.1	355.4	364.6	361.6	355.4
15°	287.4	289.4	294.6	302.8	314.2	332.7	350.2	368.8	385.2	381.1	379.1
17.5°	292.5	291.5	292.5	297.7	312.1	330.7	360.5	382.2	405.8	405.8	407.9
20°	308.0	311.1	310.1	307.0	314.2	329.6	360.5	398.6	437.8	434.7	434.7
22.5°	334.8	335.8	329.6	327.6	326.5	335.8	366.7	419.2	464.6	470.7	468.7
25°	362.6	363.6	361.6	355.4	347.1	349.2	378.0	435.7	501.6	511.9	509.9
27.5°	408.9	407.9	402.8	395.5	383.2	373.9	395.5	448.1	530.5	548.0	542.8
30°	455.3	452.2	445.0	435.7	424.4	406.9	417.2	471.8	566.5	583.0	571.7
32.5°	511.9	505.8	507.8	493.4	469.7	441.9	439.8	493.4	595.4	619.1	609.8
35°	584.1	576.8	566.5	553.1	530.5	493.4	482.1	528.4	643.8	661.3	661.3
37.5°	678.8	686.0	673.7	618.0	593.3	558.3	534.6	564.5	686.0	728.3	718.0
40°	775.6	781.8	759.2	718.0	664.4	621.1	606.7	623.2	749.9	800.4	780.8
42.5°	853.9	862.2	853.9	800.4	758.1	702.5	676.8	692.2	832.3	893.1	867.3
45°	936.3	944.6	935.3	900.3	859.1	827.1	762.3	781.8	918.8	1009.5	980.6
47.5°	998.1	1008.4	992.0	984.7	951.8	946.6	836.4	858.0	1009.5	1126.9	1090.8
50°	1012.6	1023.9	1038.3	1046.6	1035.2	1047.6	936.3	954.9	1104.2	1235.1	1200.0
52.5°	978.6	989.9	1021.8	1059.9	1112.5	1149.6	1037.3	1052.7	1203.1	1324.7	1306.1
55°	878.7	889.0	953.8	1005.3	1131.0	1191.8	1134.1	1199.0	1274.2	1418.4	1373.1
57.5°	710.7	723.1	808.6	887.9	1069.2	1168.1	1191.8	1320.6	1391.6	1487.4	1434.9
60°	504.7	511.9	586.1	726.2	898.2	1049.6	1180.5	1411.2	1484.3	1580.1	1552.3
62.5°	290.5	296.7	373.9	505.8	677.8	876.6	1130.0	1496.7	1584.2	1682.1	1666.7
65°	192.6	194.7	247.2	319.3	440.9	645.9	1002.3	1572.9	1683.1	1763.5	1746.0
67.5°	126.7	138.0	179.2	228.7	282.2	357.4	816.8	1604.9	1796.4	1876.8	1872.7
70°	90.6	94.8	128.8	176.1	212.2	200.9	478.0	1379.3	1791.3	1907.7	1873.7
72.5°	53.6	57.7	85.5	131.8	166.9	127.7	223.5	975.5	1484.3	1522.4	1513.2
75°	39.1	39.1	52.5	94.8	121.5	91.7	105.1	617.0	985.8	1070.2	1069.2
77.5°	27.8	28.8	36.1	56.7	93.7	67.0	57.7	343.0	538.7	589.2	561.4
80°	16.5	17.5	24.7	34.0	68.0	48.4	38.1	156.6	207.0	209.1	198.8
82.5°	12.4	12.4	16.5	23.7	47.4	33.0	23.7	59.7	67.0	60.8	51.5
85°	7.2	6.2	12.4	17.5	27.8	18.5	16.5	27.8	30.9	22.7	20.6
87.5°	2.1	2.1	5.2	6.2	12.4	10.3	7.2	10.3	14.4	8.2	6.2
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°	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2
2.5°	316.2	313.1	308.0	305.9	298.7	295.6	293.6	288.4	289.4	286.4	286.4
5°	313.1	313.1	302.8	291.5	280.2	273.0	264.7	254.4	254.4	250.3	251.3
7.5°	324.5	316.2	302.8	282.2	263.7	247.2	240.0	229.7	223.5	220.4	220.4
10°	331.7	323.4	300.8	276.1	252.4	231.8	216.3	201.9	193.7	193.7	192.6
12.5°	351.3	338.9	309.0	275.0	240.0	209.1	185.4	168.9	157.6	149.4	151.4
15°	367.7	354.3	313.1	266.8	218.4	175.1	146.3	115.4	99.9	91.7	88.6
17.5°	393.5	368.8	322.4	252.4	185.4	137.0	94.8	69.0	62.8	61.8	61.8
20°	415.1	386.3	323.4	224.6	152.5	87.6	60.8	56.7	53.6	52.5	51.5
22.5°	445.0	408.9	319.3	192.6	109.2	58.7	51.5	47.4	45.3	42.2	42.2
25°	475.9	438.8	311.1	162.8	67.0	50.5	45.3	41.2	37.1	35.0	36.1
27.5°	508.9	461.5	287.4	126.7	51.5	44.3	37.1	34.0	31.9	30.9	30.9
30°	535.6	475.9	252.4	84.5	46.4	39.1	33.0	29.9	27.8	26.8	26.8
32.5°	555.2	488.3	213.2	56.7	42.2	35.0	29.9	26.8	24.7	23.7	23.7
35°	588.2	497.5	177.2	48.4	38.1	30.9	25.8	23.7	21.6	21.6	21.6
37.5°	638.6	509.9	141.1	44.3	35.0	27.8	24.7	21.6	20.6	19.6	19.6
40°	682.9	525.3	100.9	40.2	31.9	25.8	21.6	19.6	18.5	17.5	17.5
42.5°	746.8	542.8	65.9	36.1	28.8	23.7	19.6	17.5	16.5	15.5	15.5
45°	828.2	571.7	51.5	31.9	25.8	21.6	18.5	16.5	14.4	14.4	13.4
47.5°	914.7	606.7	46.4	29.9	23.7	19.6	16.5	14.4	13.4	12.4	12.4
50°	995.0	640.7	43.3	27.8	21.6	18.5	15.5	13.4	11.3	10.3	10.3
52.5°	1067.2	672.6	41.2	25.8	20.6	16.5	13.4	11.3	10.3	9.3	9.3
55°	1105.3	687.1	40.2	24.7	18.5	15.5	12.4	10.3	9.3	8.2	8.2
57.5°	1165.0	705.6	39.1	23.7	17.5	13.4	11.3	9.3	8.2	7.2	7.2
60°	1261.8	766.4	38.1	22.7	16.5	13.4	10.3	8.2	6.2	5.2	5.2
62.5°	1342.2	816.8	34.0	19.6	14.4	11.3	8.2	6.2	4.1	3.1	3.1
65°	1433.9	840.5	29.9	17.5	12.4	9.3	6.2	4.1	3.1	1.0	1.0
67.5°	1533.8	876.6	24.7	15.5	11.3	7.2	5.2	3.1	1.0	0.0	0.0
70°	1481.2	831.3	20.6	13.4	10.3	6.2	4.1	2.1	0.0	0.0	0.0
72.5°	1160.9	595.4	16.5	12.4	9.3	6.2	4.1	1.0	0.0	0.0	0.0
75°	775.6	336.8	14.4	10.3	7.2	5.2	3.1	1.0	0.0	0.0	0.0
77.5°	421.3	151.4	12.4	9.3	6.2	4.1	3.1	1.0	0.0	0.0	0.0
80°	137.0	59.7	10.3	8.2	6.2	4.1	3.1	1.0	0.0	0.0	0.0
82.5°	37.1	18.5	10.3	8.2	6.2	4.1	3.1	1.0	0.0	0.0	0.0
85°	15.5	12.4	10.3	8.2	6.2	4.1	3.1	1.0	0.0	0.0	0.0
87.5°	6.2	4.1	4.1	5.2	4.1	3.1	2.1	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°	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2
2.5°	287.4	289.4	290.5	290.5	295.6	300.8	307.0	312.1	312.1	315.2	318.3
5°	252.4	254.4	257.5	266.8	277.1	288.4	299.8	308.0	319.3	324.5	327.6
7.5°	223.5	225.6	233.8	243.1	257.5	277.1	296.7	315.2	326.5	331.7	335.8
10°	193.7	196.7	206.0	222.5	241.0	264.7	287.4	319.3	337.9	348.2	352.3
12.5°	150.4	158.6	171.0	188.5	212.2	248.2	290.5	323.4	355.4	367.7	376.0
15°	94.8	102.0	121.5	149.4	181.3	223.5	282.2	329.6	373.9	386.3	399.7
17.5°	60.8	61.8	68.0	97.9	139.1	192.6	269.9	338.9	394.5	412.0	432.6
20°	51.5	53.6	54.6	58.7	92.7	158.6	244.1	350.2	419.2	442.9	462.5
22.5°	43.3	44.3	46.4	49.4	55.6	115.4	209.1	350.2	440.9	475.9	498.6
25°	35.0	37.1	39.1	42.2	48.4	72.1	173.1	344.0	466.6	509.9	538.7
27.5°	30.9	30.9	33.0	36.1	41.2	50.5	137.0	325.5	486.2	530.5	568.6
30°	26.8	27.8	28.8	31.9	37.1	44.3	94.8	295.6	506.8	570.7	613.9
32.5°	23.7	23.7	25.8	27.8	33.0	40.2	60.8	250.3	533.6	601.6	662.3
35°	21.6	21.6	22.7	24.7	29.9	36.1	47.4	212.2	565.5	660.3	727.2
37.5°	19.6	19.6	20.6	22.7	26.8	31.9	43.3	182.3	598.5	719.0	816.8
40°	17.5	17.5	18.5	20.6	23.7	28.8	39.1	147.3	639.7	805.5	914.7
42.5°	15.5	15.5	16.5	18.5	21.6	25.8	34.0	110.2	694.3	899.3	1041.4
45°	13.4	13.4	14.4	16.5	18.5	23.7	30.9	84.5	754.0	1003.3	1152.6
47.5°	11.3	12.4	13.4	15.5	17.5	21.6	27.8	74.2	812.7	1113.5	1276.3
50°	10.3	10.3	11.3	13.4	16.5	19.6	25.8	73.1	872.5	1198.0	1403.0
52.5°	9.3	9.3	10.3	12.4	15.5	18.5	24.7	75.2	921.9	1276.3	1491.5
55°	8.2	8.2	9.3	10.3	13.4	17.5	22.7	77.3	956.9	1355.6	1562.6
57.5°	7.2	7.2	8.2	10.3	12.4	15.5	20.6	79.3	1013.6	1433.9	1665.6
60°	5.2	5.2	7.2	9.3	11.3	13.4	19.6	81.4	1104.2	1542.0	1753.2
62.5°	3.1	3.1	4.1	7.2	9.3	12.4	17.5	77.3	1188.7	1681.1	1887.1
65°	1.0	2.1	3.1	4.1	7.2	10.3	14.4	70.0	1259.8	1820.1	2010.7
67.5°	0.0	0.0	1.0	3.1	6.2	8.2	12.4	51.5	1271.1	1883.0	2137.4
70°	0.0	0.0	1.0	3.1	5.2	8.2	11.3	28.8	1082.6	1682.1	1959.2
72.5°	0.0	0.0	0.0	2.1	5.2	7.2	10.3	21.6	798.3	1268.0	1548.2
75°	0.0	0.0	0.0	1.0	4.1	6.2	9.3	16.5	485.2	845.7	1010.5
77.5°	0.0	0.0	0.0	1.0	3.1	6.2	9.3	14.4	171.0	402.8	474.9
80°	0.0	0.0	0.0	2.1	4.1	6.2	8.2	12.4	41.2	100.9	136.0
82.5°	0.0	0.0	0.0	1.0	3.1	5.2	7.2	10.3	16.5	29.9	47.4
85°	0.0	0.0	0.0	1.0	2.1	5.2	7.2	9.3	11.3	14.4	20.6
87.5°	0.0	0.0	0.0	0.0	1.0	2.1	3.1	4.1	4.1	4.1	7.2
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2	314.2
2.5°	317.3	321.4	323.4	327.6	329.6	328.6	327.6	330.7	328.6	325.5
5°	328.6	328.6	331.7	332.7	332.7	329.6	331.7	330.7	328.6	328.6
7.5°	341.0	346.1	346.1	339.9	338.9	336.8	336.8	328.6	325.5	328.6
10°	353.3	357.4	358.5	351.3	342.0	337.9	332.7	322.4	317.3	319.3
12.5°	379.1	379.1	367.7	359.5	347.1	332.7	320.4	305.9	298.7	300.8
15°	397.6	401.7	386.3	367.7	346.1	319.3	305.9	294.6	290.5	287.4
17.5°	433.7	425.4	400.7	373.9	343.0	315.2	305.9	295.6	292.5	292.5
20°	464.6	460.4	423.4	374.9	342.0	323.4	317.3	312.1	311.1	308.0
22.5°	506.8	488.3	440.9	386.3	353.3	336.8	334.8	339.9	336.8	334.8
25°	538.7	523.3	454.3	402.8	370.8	365.7	368.8	373.9	365.7	362.6
27.5°	582.0	553.1	480.0	424.4	394.5	399.7	410.0	411.0	405.8	408.9
30°	622.2	591.3	499.6	449.1	434.7	439.8	455.3	466.6	459.4	455.3
32.5°	679.8	632.5	538.7	490.3	485.2	498.6	516.1	523.3	514.0	511.9
35°	740.6	679.8	578.9	536.7	545.9	564.5	579.9	592.3	577.9	584.1
37.5°	835.4	756.1	646.9	609.8	613.9	621.1	650.0	684.0	691.2	678.8
40°	934.3	838.5	709.7	680.9	690.1	709.7	743.7	775.6	792.1	775.6
42.5°	1048.6	917.8	806.5	772.6	781.8	809.6	855.0	880.7	878.7	853.9
45°	1189.7	1028.0	897.2	855.0	889.0	913.7	959.0	962.1	942.5	936.3
47.5°	1297.9	1120.7	995.0	968.3	1014.6	1015.6	1026.0	1027.0	1005.3	998.1
50°	1417.4	1227.8	1104.2	1065.1	1143.4	1107.3	1079.5	1061.0	1028.0	1012.6
52.5°	1534.8	1304.1	1205.2	1165.0	1246.4	1150.6	1100.1	1043.5	995.0	978.6
55°	1597.6	1429.7	1352.5	1258.7	1269.0	1162.9	1036.3	965.2	882.8	878.7
57.5°	1671.8	1514.2	1477.1	1322.6	1230.9	1076.4	903.4	809.6	721.0	710.7
60°	1759.4	1648.1	1609.0	1312.3	1096.0	904.4	715.9	595.4	511.9	504.7
62.5°	1857.2	1806.7	1690.3	1211.4	870.4	636.6	472.8	371.9	294.6	290.5
65°	2011.7	1939.6	1733.6	1019.8	575.8	407.9	314.2	241.0	194.7	192.6
67.5°	2108.6	1990.1	1636.8	727.2	319.3	269.9	220.4	175.1	134.9	126.7
70°	1971.6	1826.3	1294.8	416.1	185.4	205.0	170.0	117.4	92.7	90.6
72.5°	1575.0	1355.6	871.4	195.7	115.4	160.7	123.6	79.3	55.6	53.6
75°	1074.4	852.9	547.0	90.6	81.4	117.4	90.6	46.4	39.1	39.1
77.5°	480.0	434.7	280.2	55.6	60.8	89.6	52.5	31.9	28.8	27.8
80°	146.3	153.5	114.3	38.1	45.3	68.0	31.9	21.6	17.5	16.5
82.5°	49.4	57.7	51.5	22.7	30.9	48.4	21.6	14.4	12.4	12.4
85°	23.7	28.8	25.8	14.4	16.5	23.7	17.5	11.3	7.2	7.2
87.5°	9.3	13.4	9.3	6.2	9.3	12.4	7.2	5.2	2.1	2.1
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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