

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: P181622

Luminaire Tested: **ICM-F01-LED-E1-T4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181622  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F01-LED-E1-T4-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1958.7 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

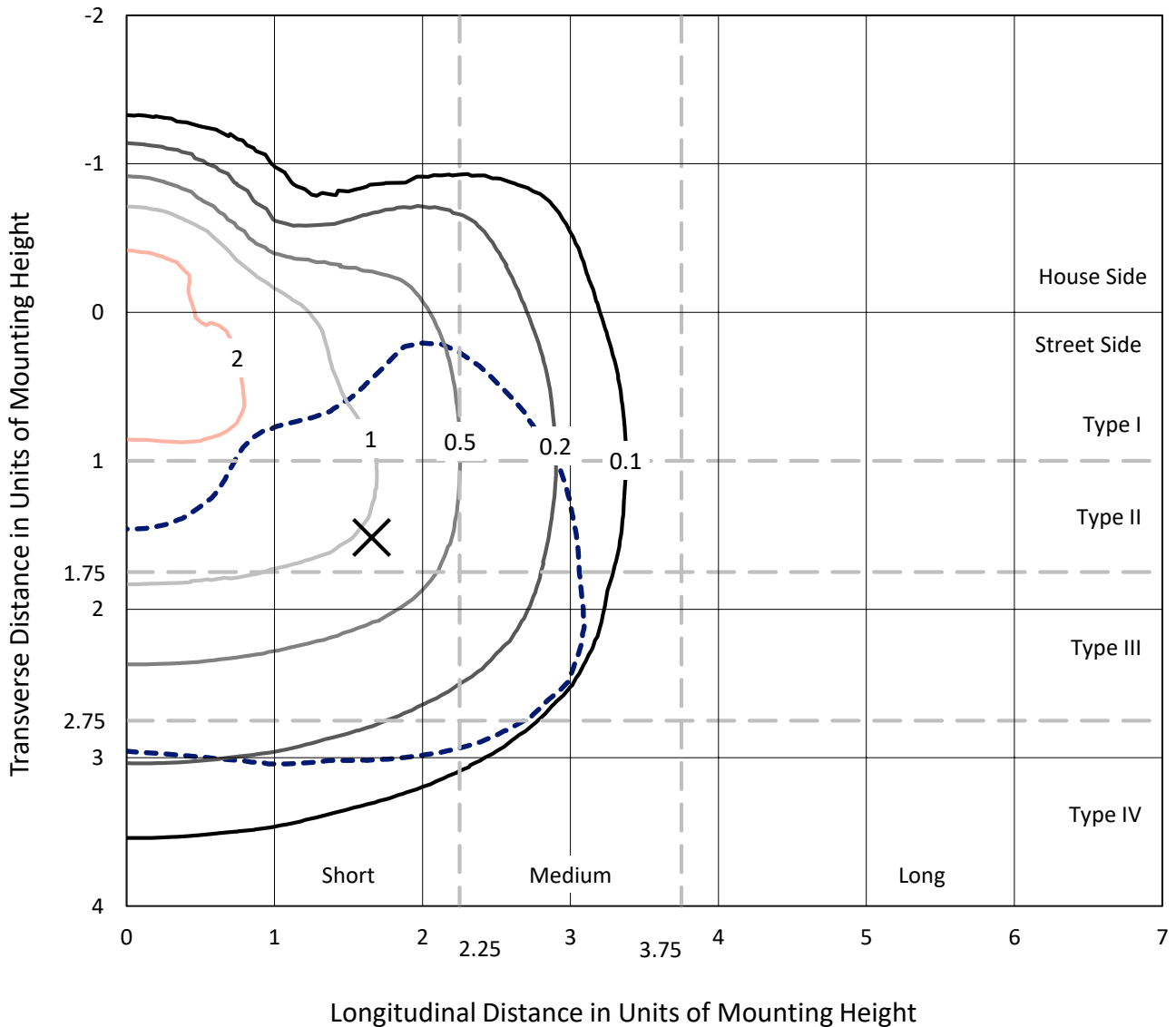


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

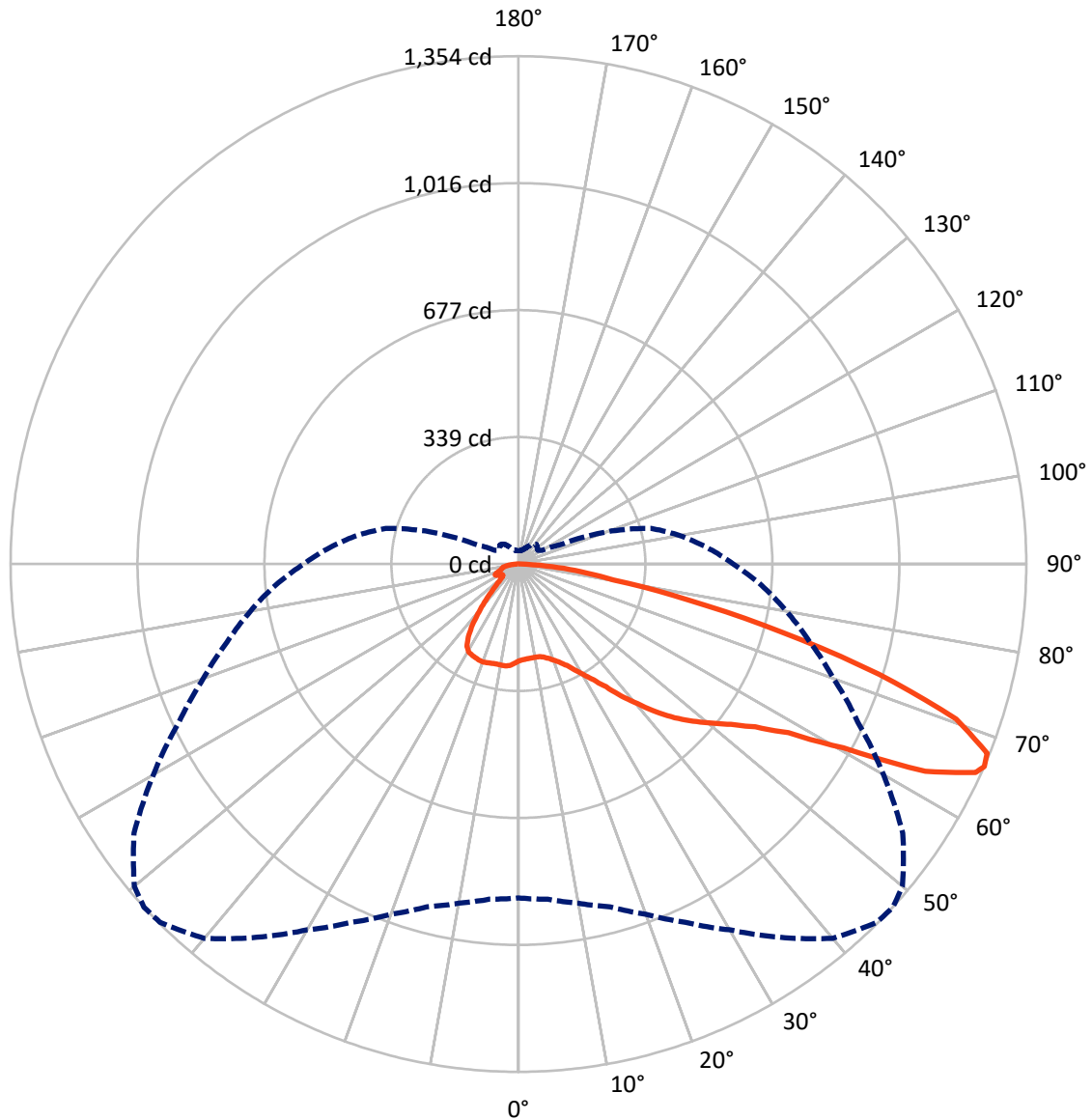


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	417.9	0.0	417.9
	% Fixture	21.3	0.0	21.3
<b>Street Side</b>	Lumens	1540.7	0.0	1540.7
	% Fixture	78.7	0.0	78.7
<b>Total</b>	Lumens	1958.7	0.0	1958.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.1	1.3
10°-20°	76.1	3.9
20°-30°	131.1	6.7
30°-40°	198.4	10.1
40°-50°	257.1	13.1
50°-60°	354.5	18.1
60°-70°	550.7	28.1
70°-80°	320.2	16.3
80°-90°	45.5	2.3
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°	1958.7	100.0
0°-180°	1958.7	100.0



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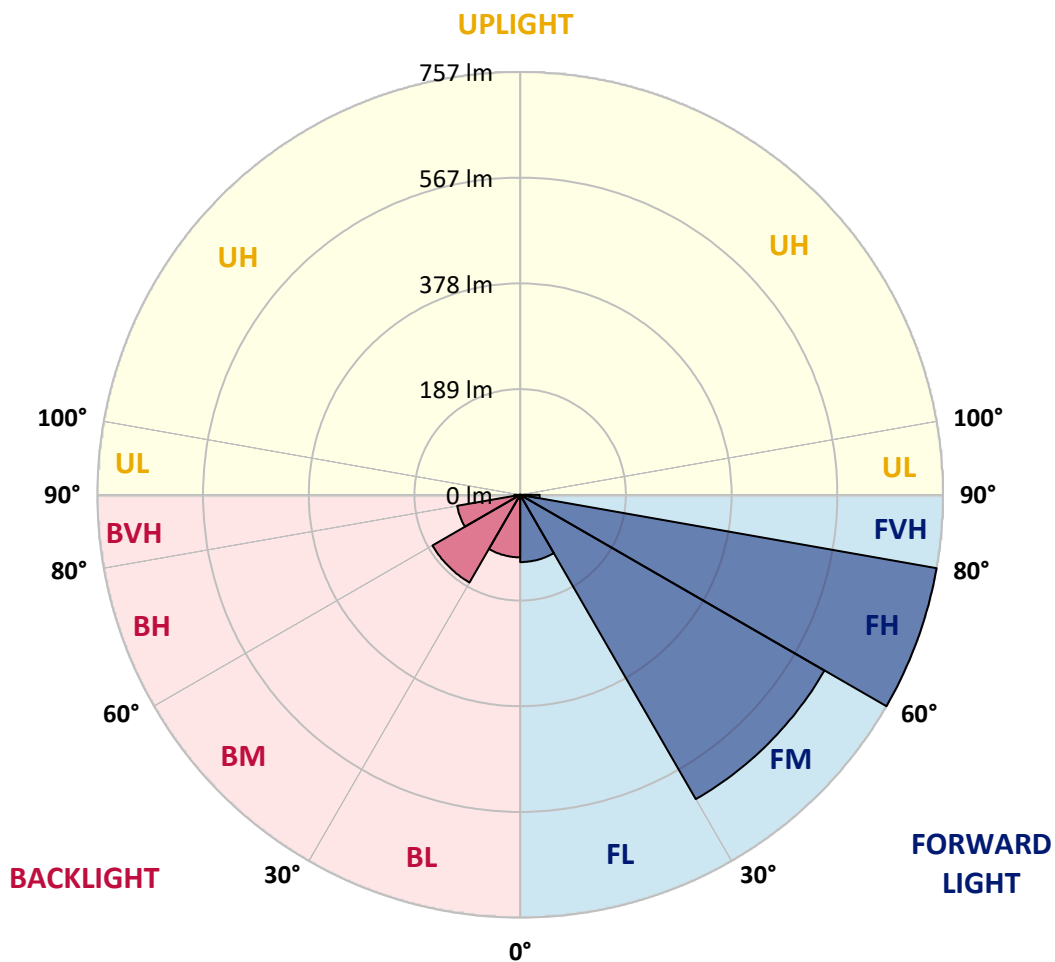
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	120.4	6.1			
FM	(30°-60°)	628.7	32.1			
FH	(60°-80°)	756.6	38.6			G1/1800
FVH	(80°-90°)	34.9	1.8			G1/100
BL	(0°-30°)	111.9	5.7	B1/500		
BM	(30°-60°)	181.2	9.2	B0/220		
BH	(60°-80°)	114.3	5.8	B1/500		G1/500
BVH	(80°-90°)	10.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1
2.5°	253.4	254.3	253.7	253.9	253.9	254.0	254.0	254.3	254.0	254.7	255.2
5°	248.8	249.3	249.1	249.5	250.0	250.8	250.6	251.7	251.9	252.6	253.7
7.5°	247.2	246.7	247.0	247.6	248.0	248.5	248.8	249.8	250.4	251.9	252.7
10°	248.8	248.7	248.8	249.3	249.3	249.5	249.1	250.0	250.4	251.7	252.6
12.5°	256.0	256.0	255.5	255.5	255.2	254.7	253.7	253.0	252.7	253.0	253.4
15°	267.4	267.1	266.1	265.5	264.7	263.2	261.6	260.4	259.4	258.1	257.8
17.5°	278.7	278.0	277.2	276.3	275.3	273.8	271.4	269.9	267.4	266.0	265.1
20°	291.6	290.3	289.3	288.2	286.0	285.6	283.3	280.7	277.9	274.4	274.0
22.5°	308.5	306.3	305.0	304.4	302.2	301.6	297.7	294.0	290.6	286.0	284.9
25°	325.6	323.4	322.8	321.9	320.4	319.5	315.8	311.7	307.3	300.9	299.6
27.5°	342.2	342.4	340.7	341.3	340.9	339.4	335.7	331.6	328.2	320.8	319.4
30°	363.0	361.7	360.7	362.0	360.6	360.7	357.6	355.4	349.8	345.5	342.4
32.5°	384.6	384.4	385.7	386.5	386.3	385.9	383.3	381.1	376.1	369.9	368.6
35°	414.1	415.4	416.6	420.4	420.4	423.3	420.7	418.0	412.2	404.7	402.0
37.5°	434.2	434.7	439.0	444.2	450.7	456.7	458.4	459.1	456.7	451.1	447.2
40°	452.7	453.5	460.4	468.4	477.9	489.8	496.9	500.1	500.7	498.2	489.8
42.5°	471.0	472.3	479.4	491.1	504.3	519.4	531.9	539.9	544.5	544.5	539.4
45°	492.4	494.0	501.9	514.6	530.0	548.9	566.2	581.6	588.9	589.4	584.7
47.5°	517.7	519.2	528.2	541.2	556.9	576.2	598.1	615.5	629.1	630.0	626.1
50°	550.2	552.5	560.0	571.6	587.8	607.3	629.1	653.5	667.8	671.3	667.2
52.5°	593.5	593.9	600.2	611.0	626.7	645.3	668.5	695.0	713.8	716.7	710.0
55°	653.1	652.5	656.6	668.2	680.1	694.6	718.5	748.4	769.3	773.7	766.7
57.5°	734.1	733.5	736.9	739.7	762.0	776.0	799.5	828.1	848.4	860.9	849.0
60°	859.6	859.0	864.6	881.0	897.7	918.1	941.1	975.3	1003.7	1007.4	995.7
62.5°	950.6	953.9	966.1	985.4	1019.1	1059.3	1101.2	1146.1	1204.7	1223.3	1217.6
65°	918.8	925.3	942.4	971.5	1016.5	1072.0	1137.7	1219.2	1297.6	1341.4	1340.1
66°	890.3	897.4	918.4	946.5	994.1	1054.7	1126.4	1215.3	1303.0	1351.4	1354.3
67.5°	838.4	846.4	867.0	900.3	946.5	1011.1	1088.2	1184.8	1283.9	1340.3	1348.3
70°	737.6	746.6	761.6	789.0	834.6	892.3	973.5	1059.9	1163.8	1228.4	1238.1
72.5°	616.6	624.6	641.2	663.7	701.0	737.4	801.1	864.8	939.2	1012.8	1005.7
75°	442.7	446.1	456.1	480.5	500.6	533.2	584.4	636.7	687.4	721.1	725.9
77.5°	230.0	239.2	253.2	280.2	302.0	331.4	364.7	404.0	441.1	472.1	463.6
80°	150.6	154.5	167.0	180.8	196.8	215.6	237.9	252.6	257.3	255.4	257.3
82.5°	86.9	94.0	110.6	121.2	133.1	139.5	157.3	174.1	183.6	171.7	167.4
85°	11.0	14.2	44.9	56.6	64.8	74.5	79.9	90.0	84.0	75.2	91.6
87.5°	2.4	2.1	3.1	6.5	6.7	5.6	10.6	11.3	6.9	3.4	4.3
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1
2.5°	255.5	255.8	256.2	256.8	257.3	257.8	258.1	258.8	259.3	259.7	260.6
5°	254.5	255.4	256.2	257.1	258.1	259.9	261.0	261.9	262.7	264.5	265.1
7.5°	253.9	255.4	256.7	258.1	259.9	261.4	263.4	264.5	265.8	266.8	268.1
10°	253.4	255.5	256.8	259.1	261.0	262.5	264.7	266.0	267.4	268.7	269.4
12.5°	254.3	255.4	256.7	258.8	261.2	263.4	265.8	266.8	268.1	269.2	269.4
15°	258.0	258.0	258.1	259.9	262.2	264.0	266.0	267.1	267.7	268.3	268.3
17.5°	264.7	263.2	262.0	262.2	263.8	264.8	266.0	266.0	265.5	265.3	264.8
20°	272.5	270.5	268.3	266.8	266.4	265.5	264.8	262.7	261.0	259.4	258.4
22.5°	283.6	280.7	277.6	274.8	272.2	268.9	265.3	261.0	256.8	254.0	252.4
25°	297.5	295.1	291.4	287.2	283.9	277.9	273.1	266.8	261.6	258.0	254.9
27.5°	317.1	314.3	310.9	307.0	302.2	295.5	289.7	282.3	276.1	270.7	266.8
30°	341.6	337.9	335.3	330.5	327.4	319.7	314.0	304.8	292.7	284.1	278.7
32.5°	366.6	362.5	360.4	356.7	353.0	348.5	339.6	325.6	310.0	296.0	286.7
35°	400.1	395.8	391.9	388.7	383.3	374.8	367.1	350.2	328.8	309.1	293.6
37.5°	442.2	435.1	425.4	417.2	407.6	395.5	383.7	366.4	342.0	316.5	295.7
40°	487.2	474.6	460.8	445.5	429.0	411.5	398.0	380.5	353.0	322.8	294.2
42.5°	534.0	514.1	495.0	473.3	450.4	429.7	412.0	392.7	361.2	324.5	288.2
45°	580.5	558.2	529.1	500.7	471.8	446.1	426.2	404.7	368.7	325.1	280.2
47.5°	619.0	596.1	562.8	527.4	493.0	463.8	440.5	417.2	379.0	329.7	278.2
50°	659.5	631.7	594.8	552.8	514.0	481.3	456.5	432.3	393.2	341.3	284.6
52.5°	703.9	671.9	628.7	581.8	539.3	502.7	475.7	450.9	411.4	357.8	296.4
55°	757.9	718.8	671.9	619.0	573.4	532.9	503.2	473.8	432.9	377.2	311.4
57.5°	840.4	792.5	739.7	679.4	628.9	581.1	545.5	511.6	466.4	406.1	331.6
60°	989.7	938.5	870.1	797.0	737.6	681.9	629.6	587.4	531.9	463.2	376.6
62.5°	1203.5	1135.5	1044.1	942.0	864.2	783.8	724.8	662.1	593.2	519.2	429.5
65°	1322.4	1239.9	1117.6	999.0	899.0	811.6	736.7	664.1	587.6	516.7	441.8
66°	1337.1	1251.1	1124.1	999.2	894.2	804.6	725.7	650.5	572.3	504.7	436.7
67.5°	1331.1	1243.1	1112.2	980.4	873.7	777.3	695.9	617.9	539.9	476.8	419.4
70°	1231.9	1148.5	1019.9	892.3	790.9	695.9	618.1	541.4	469.9	415.9	373.6
72.5°	1023.0	951.6	840.0	739.7	660.2	581.8	515.9	442.7	382.1	342.2	317.1
75°	738.4	695.3	593.5	536.0	466.2	414.1	350.2	306.8	263.4	243.9	239.6
77.5°	466.4	408.3	343.7	283.0	232.7	192.9	150.1	127.4	106.3	104.1	125.8
80°	236.1	212.6	163.7	130.5	109.8	88.8	70.2	53.1	37.1	44.7	53.6
82.5°	154.7	129.0	101.1	83.2	72.4	60.1	46.7	32.4	23.7	26.8	36.7
85°	83.6	71.3	57.5	45.4	36.7	32.8	22.0	15.5	15.3	16.5	20.9
87.5°	6.0	6.0	4.7	4.3	5.2	4.3	3.9	3.9	3.6	3.9	5.2
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1
2.5°	261.0	261.6	261.9	262.9	263.5	264.0	264.5	264.5	264.7	265.3	265.5
5°	266.0	267.1	268.3	269.2	269.6	270.9	271.4	271.4	271.8	272.7	273.3
7.5°	268.9	270.5	271.8	272.2	273.1	273.5	274.1	274.6	274.6	275.4	275.9
10°	270.0	270.9	272.2	272.2	273.1	273.1	273.8	274.0	274.0	274.8	275.4
12.5°	270.0	270.5	271.5	271.5	272.2	272.5	273.3	274.0	274.1	275.3	276.1
15°	268.7	269.2	270.0	270.2	271.8	272.7	274.6	275.9	275.9	276.9	277.4
17.5°	265.1	266.1	267.9	269.6	272.5	274.4	276.7	277.9	276.9	276.3	275.6
20°	259.1	261.0	265.1	269.4	274.4	276.9	278.2	277.2	274.1	271.2	269.2
22.5°	253.0	256.8	263.8	270.2	275.9	277.6	276.9	273.1	268.1	264.5	261.9
25°	255.8	260.4	267.1	272.8	276.6	276.1	273.5	268.1	262.7	258.0	253.7
27.5°	267.4	272.5	276.1	278.0	277.6	274.6	270.5	264.5	258.0	251.7	245.7
30°	278.5	281.1	282.0	280.5	276.9	272.0	266.8	259.9	251.3	243.4	236.6
32.5°	283.4	280.8	276.7	272.7	267.1	262.7	255.5	248.0	237.2	227.9	221.0
35°	283.4	273.1	262.7	254.0	245.7	240.3	232.0	221.9	211.9	204.2	198.8
37.5°	277.2	257.3	240.3	226.2	215.6	209.8	197.5	188.4	180.0	177.4	174.0
40°	265.8	236.4	211.7	193.4	180.0	171.3	159.0	152.7	149.5	148.2	147.5
42.5°	250.4	213.0	180.2	157.5	143.0	133.3	125.1	121.2	121.0	120.7	120.7
45°	234.0	188.0	149.5	122.5	109.8	101.1	97.2	95.7	97.0	96.7	97.0
47.5°	223.8	168.9	121.4	92.7	83.0	77.3	75.4	76.1	77.1	76.7	76.7
50°	222.5	159.3	102.6	72.2	64.8	62.0	61.6	61.6	62.2	61.8	61.6
52.5°	227.3	157.7	92.9	62.0	56.2	53.8	53.4	53.1	52.9	51.6	50.5
55°	235.4	161.2	90.0	59.4	53.4	50.8	50.1	49.7	48.8	47.1	45.1
57.5°	251.9	172.0	92.7	60.7	54.2	52.1	51.4	51.4	49.7	46.9	44.1
60°	291.4	199.4	103.3	65.7	58.3	56.2	56.6	56.4	53.8	49.7	45.4
62.5°	342.4	235.3	117.1	72.6	63.5	63.1	65.2	64.8	60.5	54.2	48.0
65°	366.0	252.1	121.0	74.1	64.6	66.5	70.9	70.4	65.0	56.4	48.4
66°	366.4	252.1	119.3	72.8	63.1	65.5	69.8	69.6	64.2	55.5	47.5
67.5°	357.6	245.2	114.3	70.2	60.1	61.8	65.7	65.5	60.5	53.4	45.8
70°	324.3	219.5	101.6	65.7	56.0	55.1	56.4	55.5	52.3	47.3	42.1
72.5°	277.9	184.3	88.6	62.2	53.1	49.7	48.8	48.2	45.6	42.8	39.5
75°	218.9	145.9	77.8	59.6	50.5	46.0	44.5	43.6	42.0	40.0	37.4
77.5°	135.1	104.4	67.8	56.2	48.7	44.1	43.0	41.7	39.1	36.7	34.8
80°	60.3	64.6	55.7	49.0	43.4	39.3	37.6	35.6	33.0	31.5	30.4
82.5°	40.2	41.7	40.4	36.7	32.8	29.6	27.0	27.0	26.6	25.3	24.8
85°	25.7	26.0	25.0	22.7	21.2	19.3	18.1	18.3	19.3	19.0	18.8
87.5°	5.9	5.9	6.9	6.5	7.5	8.0	8.7	9.3	10.6	10.6	11.3
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):**

	160°	165°	170°	175°	180°
0°	258.1	258.1	258.1	258.1	258.1
2.5°	265.8	266.1	266.6	266.0	266.1
5°	273.3	273.1	274.1	273.5	274.0
7.5°	275.6	275.9	276.7	276.7	276.9
10°	275.9	276.3	277.4	278.0	278.5
12.5°	276.9	277.9	279.5	280.0	280.0
15°	277.9	278.2	279.4	279.8	280.2
17.5°	274.8	274.0	274.4	274.6	274.4
20°	267.3	266.4	266.1	265.3	265.8
22.5°	259.1	256.7	255.2	253.4	253.4
25°	249.1	245.4	242.4	239.4	240.0
27.5°	239.8	235.1	232.0	230.0	229.7
30°	230.7	225.8	223.0	220.6	220.6
32.5°	215.6	212.2	208.5	207.0	206.8
35°	194.7	192.5	189.5	188.8	187.7
37.5°	171.1	170.4	167.9	167.6	166.6
40°	146.5	146.9	146.0	145.6	144.9
42.5°	121.9	124.0	123.5	123.3	122.9
45°	98.3	99.8	100.0	100.7	101.8
47.5°	77.3	77.8	78.2	78.0	78.2
50°	60.5	59.4	59.2	58.5	59.2
52.5°	48.8	47.1	46.2	45.4	44.9
55°	43.0	41.3	40.4	40.0	39.5
57.5°	41.5	39.7	38.4	37.6	37.4
60°	42.0	39.3	37.6	36.5	36.3
62.5°	43.0	39.5	37.1	36.1	35.9
65°	42.8	39.1	36.9	35.6	35.4
66°	42.1	38.7	36.5	35.4	35.3
67.5°	41.0	38.0	36.1	35.3	34.8
70°	39.1	37.1	35.6	34.6	34.1
72.5°	37.4	35.9	34.6	33.5	33.3
75°	35.4	34.1	32.8	32.0	31.7
77.5°	33.0	31.7	30.9	30.2	30.0
80°	29.2	28.3	27.4	26.6	26.6
82.5°	24.2	23.5	22.7	22.0	21.9
85°	18.6	18.6	18.0	17.3	17.0
87.5°	11.0	10.8	10.8	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0

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