

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: P181484

Luminaire Tested: **ICS-F01-LED-E1-T3**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181484  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F01-LED-E1-T3  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2291.4 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

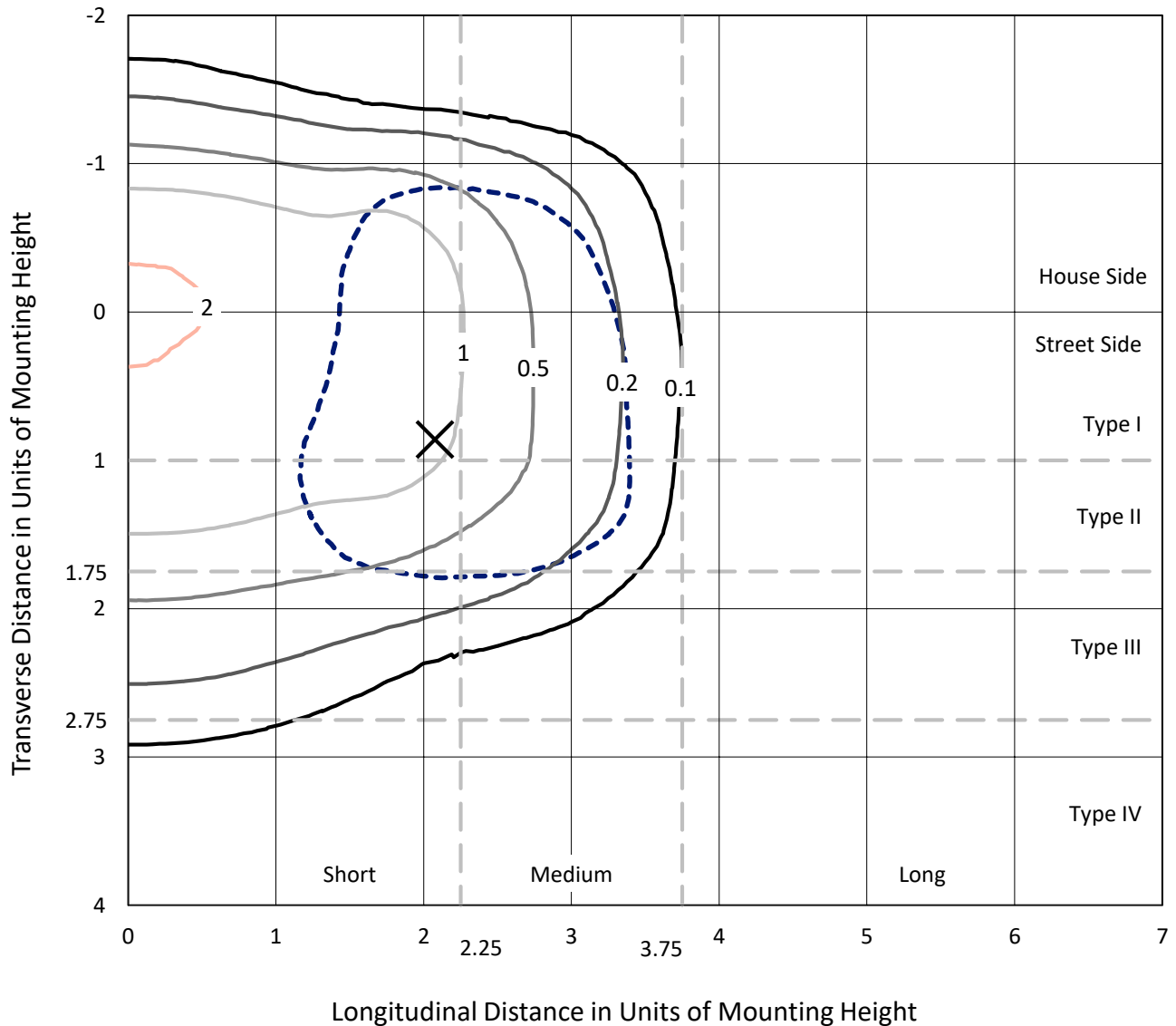
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

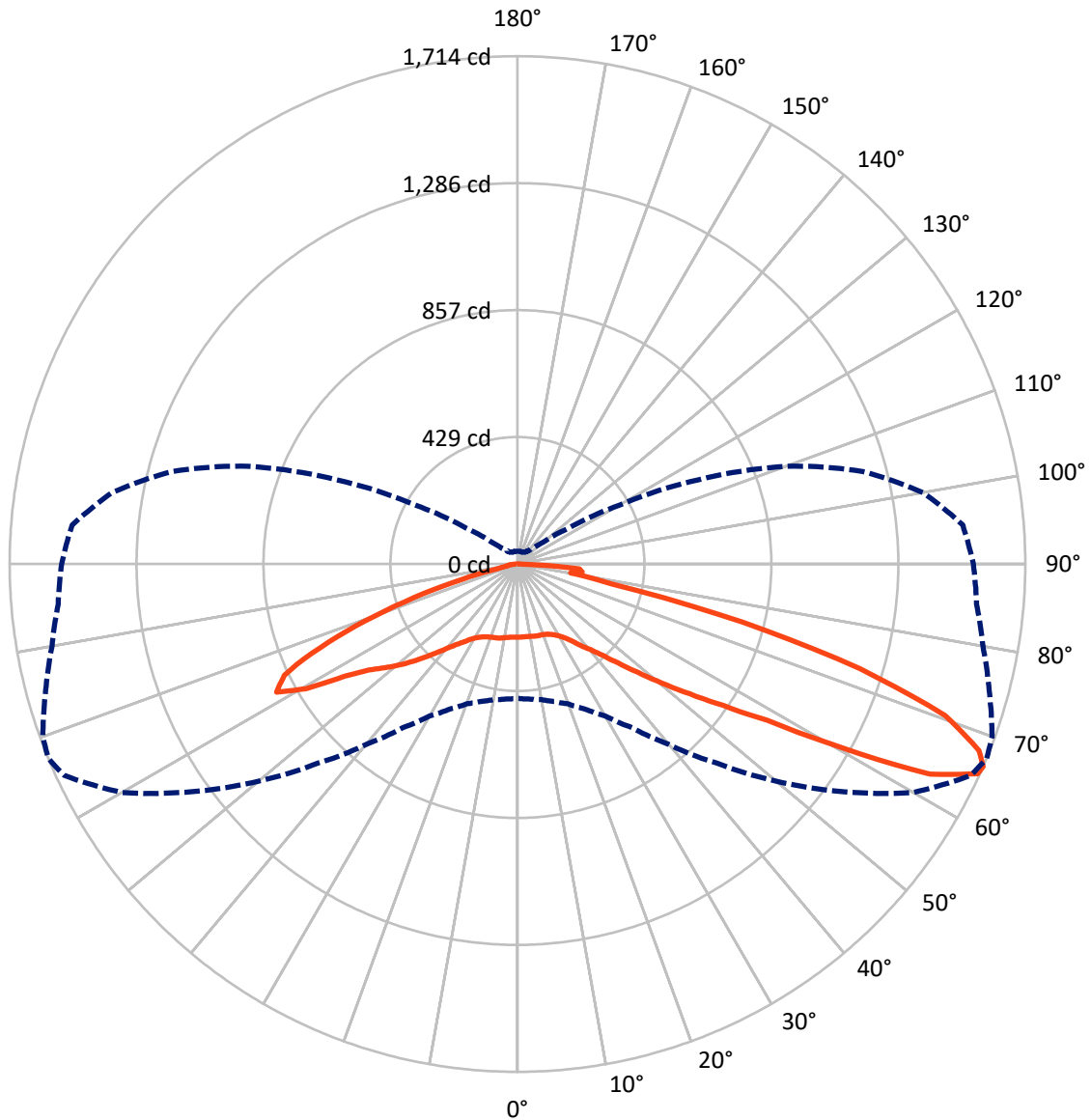
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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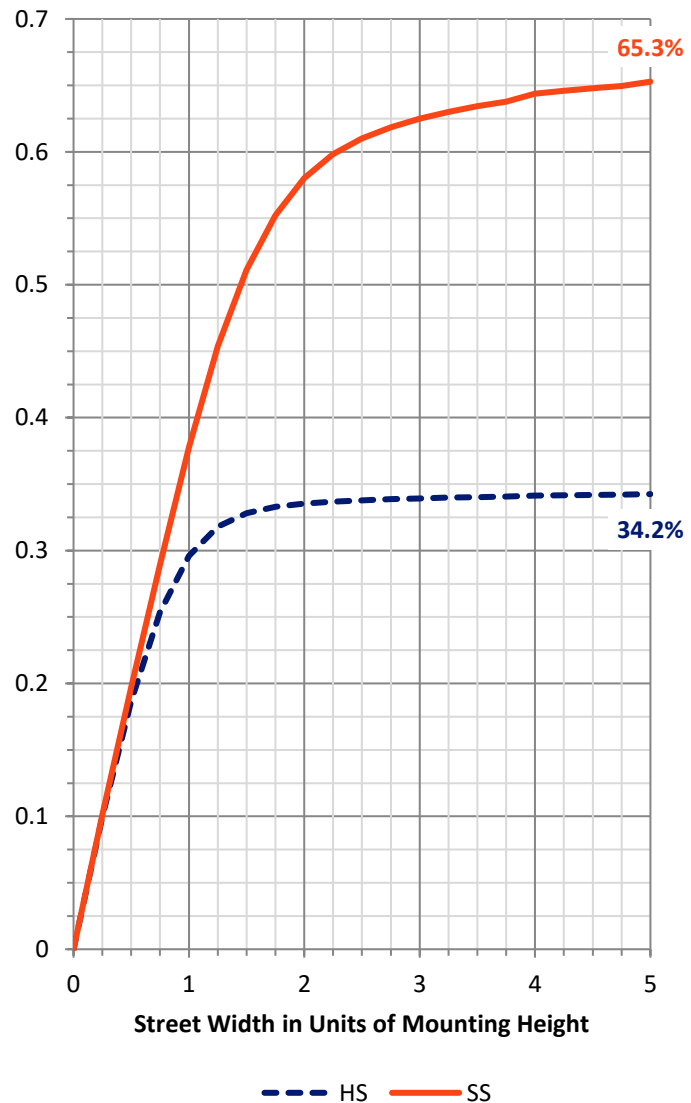
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	791.3	0.0	791.3
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	1500.1	0.0	1500.1
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	2291.4	0.0	2291.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.7	1.0
10°-20°	69.8	3.0
20°-30°	120.0	5.2
30°-40°	194.8	8.5
40°-50°	325.2	14.2
50°-60°	512.1	22.3
60°-70°	698.2	30.5
70°-80°	302.3	13.2
80°-90°	45.5	2.0
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°	2291.4	100.0
0°-180°	2291.4	100.0



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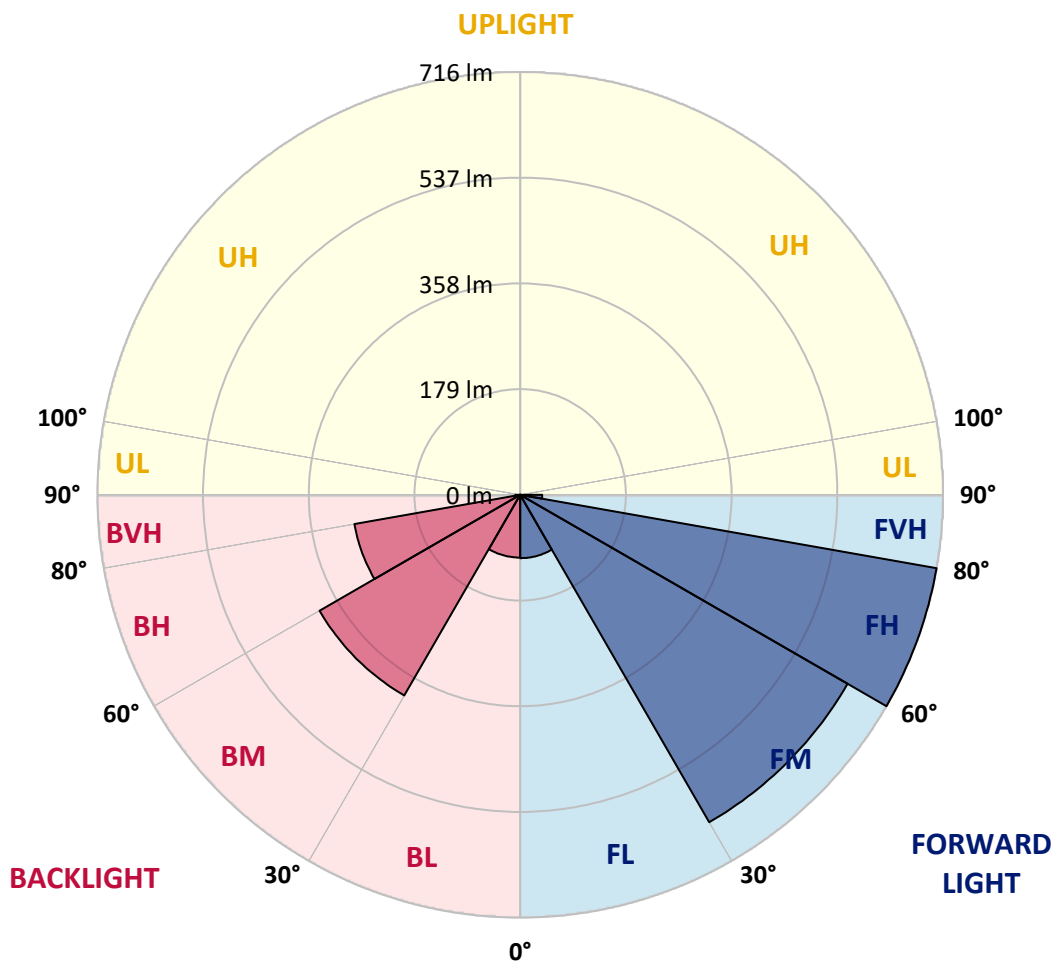
CATALOG NUMBER: ICS-F01-LED-E1-T3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.2	4.7			
FM	(30°-60°)	639.9	27.9			
FH	(60°-80°)	715.7	31.2			G1/1800
FVH	(80°-90°)	37.3	1.6			G1/100
BL	(0°-30°)	106.2	4.6	B0/110		
BM	(30°-60°)	392.1	17.1	B1/1000		
BH	(60°-80°)	284.8	12.4	B1/500		G1/500
BVH	(80°-90°)	8.1	0.4			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9
2.5°	247.9	248.9	247.9	248.2	248.4	248.2	247.9	247.9	247.2	247.7	248.2
5°	246.9	247.7	247.4	247.7	247.9	247.7	247.4	247.7	247.2	247.4	248.2
7.5°	245.7	245.4	245.7	246.2	246.7	246.7	246.7	246.9	246.7	246.7	247.4
10°	242.0	242.2	242.7	243.5	243.7	244.5	244.5	245.2	245.4	245.9	246.9
12.5°	237.3	237.5	238.0	238.5	239.7	241.0	241.0	242.7	243.5	244.7	246.4
15°	233.8	234.0	234.5	235.0	236.0	237.3	238.0	240.0	241.2	243.5	245.9
17.5°	235.8	235.5	236.0	236.3	236.3	237.3	237.3	238.8	240.2	242.2	245.4
20°	241.5	241.5	242.0	242.0	241.7	242.2	241.2	241.2	241.5	242.5	244.7
22.5°	247.2	246.9	247.9	248.4	248.7	249.4	248.4	248.2	246.9	246.2	246.9
25°	252.6	252.4	253.6	254.4	255.6	256.3	256.3	256.3	255.3	254.1	253.4
27.5°	261.0	261.0	262.3	263.0	264.0	265.5	266.2	266.2	266.5	264.8	263.5
30°	275.2	275.4	275.7	276.6	277.6	278.1	279.1	279.9	280.6	279.6	277.6
32.5°	292.0	290.5	290.5	292.0	293.2	294.7	295.2	296.2	297.7	297.0	296.7
35°	312.1	311.6	311.1	311.6	313.1	314.8	316.8	318.5	317.5	319.0	318.3
37.5°	341.8	342.3	342.5	342.5	342.3	342.8	343.8	345.5	345.0	345.5	346.5
40°	390.8	389.1	387.4	387.6	385.1	385.6	381.7	383.4	383.6	381.9	382.7
42.5°	439.9	440.9	441.6	443.6	441.8	440.9	437.1	437.1	435.2	433.4	432.9
45°	492.9	494.8	495.1	499.1	497.6	500.8	503.5	502.8	499.6	499.3	495.8
47.5°	535.2	538.4	541.9	546.6	550.3	557.5	565.9	570.1	572.6	574.6	570.6
50°	566.9	568.4	577.3	584.8	592.9	604.8	616.5	631.6	643.7	649.4	654.8
52.5°	584.0	587.7	597.4	609.0	623.4	641.2	660.0	684.1	704.9	718.7	731.1
55°	587.7	591.4	602.3	617.2	636.8	660.8	687.8	720.5	751.7	778.4	804.4
57.5°	577.3	581.5	593.2	610.3	633.3	662.5	696.5	739.3	782.4	825.7	864.1
60°	558.3	563.5	574.1	590.9	616.5	649.4	690.0	743.8	804.2	870.6	944.1
62.5°	526.8	532.2	542.2	560.7	587.0	623.4	670.4	737.3	822.8	927.3	1057.8
65°	476.3	478.7	490.9	509.7	533.0	573.1	624.9	705.6	816.8	962.2	1142.0
66°	453.5	457.7	465.1	480.2	502.5	540.2	592.2	674.2	794.3	950.1	1139.8
67.5°	417.8	421.0	426.0	436.1	449.8	477.5	526.8	604.3	725.4	888.6	1092.5
70°	337.8	339.3	346.0	349.5	354.2	363.3	381.2	425.7	520.1	673.4	881.7
72.5°	230.3	234.5	241.7	251.6	264.5	276.9	285.3	291.0	311.3	401.7	587.5
75°	168.9	173.4	182.5	195.7	218.2	244.0	270.7	283.1	274.7	263.0	327.2
77.5°	98.1	104.0	111.7	124.3	145.1	179.3	225.1	265.8	293.2	295.0	280.1
80°	41.4	42.1	46.8	53.2	66.1	90.2	125.8	184.3	245.2	286.3	296.0
82.5°	9.4	11.6	14.9	17.6	21.5	29.7	44.1	73.3	132.5	207.8	271.0
85°	3.5	3.5	4.7	6.9	7.9	8.9	11.6	18.6	31.7	58.5	121.9
87.5°	0.0	0.2	0.5	0.5	1.0	1.2	2.0	2.7	2.5	2.2	7.4
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9
2.5°	247.7	247.4	246.9	246.9	246.9	246.9	246.4	246.7	246.2	246.4	246.4
5°	247.4	247.4	247.2	246.7	246.9	246.9	247.2	246.7	246.7	246.9	246.7
7.5°	247.4	247.2	247.2	247.2	247.4	247.2	247.4	247.4	247.4	247.7	247.7
10°	247.4	247.4	247.9	248.2	248.2	248.4	249.2	249.2	249.4	249.7	250.1
12.5°	247.7	248.7	249.4	250.1	250.4	250.9	252.1	252.1	252.6	253.4	253.6
15°	247.9	249.4	250.9	251.4	251.9	252.9	254.1	254.6	255.3	256.1	256.6
17.5°	247.7	249.7	251.4	252.1	252.9	254.1	255.6	256.1	257.1	258.1	259.1
20°	247.4	250.1	252.9	253.9	254.9	256.6	258.6	259.8	260.8	262.3	263.3
22.5°	248.9	252.1	255.8	257.3	259.1	261.3	264.0	265.5	266.7	268.2	269.0
25°	253.6	256.1	260.5	263.0	265.3	269.0	272.7	274.4	275.9	277.1	277.4
27.5°	261.5	262.3	267.7	271.0	274.2	280.1	284.6	285.8	288.5	289.5	289.3
30°	274.4	273.2	277.6	282.6	287.3	295.5	300.9	304.1	306.6	306.6	304.6
32.5°	293.0	291.0	292.3	297.9	303.4	315.3	321.7	325.9	327.7	327.2	323.0
35°	317.3	316.0	315.3	319.7	328.4	342.3	350.7	352.9	355.7	355.2	349.7
37.5°	346.0	345.0	345.0	350.2	358.6	379.2	388.3	389.8	389.6	385.6	375.5
40°	379.9	379.4	377.2	380.2	387.4	414.1	426.5	428.5	425.7	419.3	407.4
42.5°	428.7	425.7	418.8	420.5	426.0	452.0	468.1	473.5	470.8	464.4	445.1
45°	492.4	489.2	477.5	476.0	479.0	501.8	522.6	523.8	523.3	515.2	492.4
47.5°	567.2	562.2	549.8	545.9	544.9	565.9	586.0	588.0	586.7	574.6	544.1
50°	648.2	641.0	632.8	630.1	626.1	641.2	661.5	661.8	656.8	640.0	611.5
52.5°	734.6	732.1	730.6	727.9	726.2	739.3	751.7	744.3	736.8	719.2	694.5
55°	821.8	831.9	842.3	843.3	846.3	860.4	860.2	839.9	834.4	824.7	800.2
57.5°	914.4	952.0	984.7	994.9	1004.8	1031.1	1028.6	1008.5	1001.6	989.7	969.4
60°	1040.5	1142.0	1236.4	1258.9	1274.5	1306.0	1303.0	1272.0	1286.4	1285.4	1259.2
62.5°	1217.1	1386.0	1527.4	1562.1	1573.0	1576.4	1557.6	1524.2	1538.3	1554.1	1473.4
65°	1336.7	1535.3	1680.4	1707.2	1708.7	1667.3	1625.5	1586.1	1582.6	1569.0	1453.6
66°	1339.4	1542.7	1688.4	1714.4	1705.2	1648.7	1595.7	1556.1	1539.0	1509.1	1389.4
67.5°	1291.4	1496.4	1653.2	1680.7	1660.6	1580.6	1507.6	1456.6	1423.1	1374.6	1269.1
70°	1084.6	1287.9	1481.1	1532.3	1538.8	1419.4	1318.1	1258.2	1213.1	1146.5	1055.6
72.5°	806.4	990.2	1160.6	1209.6	1234.6	1139.3	1053.8	1008.3	946.6	876.5	811.9
75°	505.5	635.3	749.5	783.9	760.3	686.5	635.3	616.2	555.5	513.7	484.2
77.5°	289.0	329.7	338.8	325.7	297.9	228.1	162.2	120.1	104.3	115.4	127.3
80°	282.1	258.6	206.1	181.3	164.2	112.9	66.4	45.6	37.9	38.9	42.1
82.5°	305.6	327.9	270.0	220.2	184.8	124.8	68.9	36.7	24.8	29.2	32.9
85°	198.6	276.4	248.9	209.8	169.9	106.7	56.7	19.1	12.6	16.6	22.8
87.5°	20.1	22.0	18.8	25.5	19.1	8.9	4.5	2.7	2.5	3.0	4.5
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°	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9
2.5°	246.7	246.7	246.9	247.2	247.4	247.7	247.7	247.7	247.7	248.2	247.9
5°	247.2	247.7	248.2	248.4	248.9	248.9	249.7	249.4	249.4	250.1	250.4
7.5°	248.2	248.9	249.9	249.7	250.6	250.4	250.9	250.9	250.1	250.4	249.9
10°	250.4	251.4	251.9	251.1	251.4	250.4	250.1	248.9	247.4	246.7	245.7
12.5°	254.1	255.1	255.1	253.9	252.4	250.1	248.4	245.7	243.5	242.2	241.0
15°	257.3	258.3	258.1	256.1	253.9	250.4	247.9	244.7	241.5	239.5	238.3
17.5°	259.8	260.3	259.6	256.8	254.4	251.1	248.7	245.2	241.5	239.0	236.8
20°	263.5	263.0	261.3	257.8	255.1	252.1	250.1	247.2	243.0	239.7	236.5
22.5°	269.0	267.0	263.8	260.1	257.3	254.6	252.6	249.4	245.2	241.2	237.5
25°	276.2	272.2	267.7	263.8	261.3	258.3	256.1	252.6	248.2	243.7	239.3
27.5°	286.6	279.6	273.9	270.5	267.7	264.0	261.3	256.8	252.1	246.9	242.0
30°	298.2	288.8	283.3	280.6	277.6	273.7	269.5	263.8	258.3	252.6	246.7
32.5°	313.3	301.9	296.7	294.0	290.0	285.1	280.1	273.7	266.0	258.6	251.4
35°	333.1	321.5	316.0	311.8	306.4	299.9	292.7	284.1	273.7	263.8	254.6
37.5°	354.4	341.8	336.6	332.1	324.0	315.5	305.4	292.7	278.6	265.5	254.1
40°	381.4	369.8	363.1	355.4	345.7	331.1	315.3	297.0	278.9	262.8	249.4
42.5°	415.6	404.0	394.0	381.9	365.1	342.5	320.0	296.2	274.4	256.1	241.7
45°	460.9	446.8	429.7	408.4	381.2	349.7	320.2	291.5	266.0	245.7	230.3
47.5°	516.4	494.8	466.9	430.9	391.8	351.7	316.3	282.1	252.9	230.8	213.7
50°	582.3	548.3	502.3	449.5	397.3	348.7	306.4	268.0	234.3	210.8	190.5
52.5°	657.6	602.1	534.2	462.9	397.0	338.8	289.5	246.7	210.0	183.8	164.5
55°	746.0	663.5	567.2	472.8	390.1	320.5	263.8	216.7	180.1	155.8	138.0
57.5°	875.5	763.1	624.6	488.2	376.2	292.3	228.8	180.8	148.6	125.6	110.5
60°	1112.3	929.3	728.2	519.1	354.9	250.9	188.0	142.4	115.4	96.8	86.7
62.5°	1290.6	1057.8	784.1	512.2	312.1	199.9	139.4	103.8	85.0	72.3	65.9
65°	1265.1	1017.9	724.4	441.1	244.7	140.9	92.6	70.6	58.5	52.5	48.8
66°	1207.4	965.9	672.7	397.0	211.5	117.1	76.3	59.2	50.3	46.1	43.6
67.5°	1097.9	869.3	580.0	325.4	162.5	85.0	57.5	46.8	40.9	39.1	37.4
70°	912.7	693.2	407.2	189.5	83.0	47.3	36.4	32.7	31.2	31.0	30.5
72.5°	699.4	490.6	239.7	89.7	43.1	31.5	28.2	27.0	26.5	26.5	26.7
75°	428.7	275.7	106.0	43.8	30.2	26.5	25.0	24.5	24.3	24.5	24.3
77.5°	143.2	87.7	45.3	33.2	27.5	24.5	23.5	23.0	23.0	23.0	23.0
80°	43.8	38.1	34.7	30.7	26.0	23.3	21.8	21.5	21.8	22.0	21.3
82.5°	32.9	31.2	29.2	27.2	23.5	20.8	20.3	20.3	20.3	19.6	18.6
85°	24.3	24.0	19.8	18.6	17.3	17.3	17.3	17.3	16.6	15.4	14.4
87.5°	4.5	4.2	4.5	4.7	6.9	7.4	7.4	7.9	8.7	8.2	8.2
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):**

	160°	165°	170°	175°	180°
0°	246.9	246.9	246.9	246.9	246.9
2.5°	247.9	247.7	248.4	247.9	248.2
5°	250.1	249.9	250.4	249.9	250.6
7.5°	249.4	248.9	248.7	248.9	249.2
10°	244.2	243.7	243.5	243.2	243.5
12.5°	239.7	238.8	238.8	238.3	238.5
15°	236.5	235.8	235.5	235.0	235.3
17.5°	235.0	233.8	233.3	232.8	232.8
20°	234.0	232.6	231.8	231.3	231.1
22.5°	234.0	231.8	230.8	230.3	230.1
25°	235.0	232.3	230.8	230.1	229.8
27.5°	237.0	233.6	231.8	230.8	230.8
30°	240.5	236.0	233.6	232.3	232.1
32.5°	244.0	238.0	234.5	233.1	232.6
35°	245.7	238.0	233.8	231.3	230.8
37.5°	243.7	234.8	229.6	225.9	225.1
40°	237.5	228.1	222.4	218.9	218.4
42.5°	229.3	220.2	213.5	211.0	210.3
45°	218.2	207.3	200.6	197.1	197.4
47.5°	199.1	188.0	182.0	178.8	179.3
50°	176.6	165.7	160.5	157.0	157.8
52.5°	151.8	141.9	137.0	135.2	134.7
55°	125.8	118.1	114.7	112.7	111.9
57.5°	102.0	96.6	94.1	91.6	91.9
60°	80.5	77.8	77.0	74.3	74.1
62.5°	63.4	61.7	60.9	58.9	59.2
65°	48.0	47.6	48.0	46.8	47.3
66°	43.3	43.6	43.6	42.8	43.3
67.5°	37.4	37.9	38.6	37.9	38.4
70°	31.0	31.5	31.9	31.9	31.9
72.5°	27.0	27.5	27.7	27.7	27.7
75°	24.8	25.0	25.3	24.8	24.8
77.5°	23.3	23.3	22.8	22.5	22.3
80°	21.1	20.8	20.1	19.6	19.6
82.5°	17.6	17.1	16.6	15.9	15.9
85°	13.4	12.9	12.4	11.4	10.9
87.5°	6.9	7.2	6.9	5.7	5.0
90°	0.0	0.0	0.0	0.0	0.0

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