

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: P155414

Luminaire Tested: **VXS-F01-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155414
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: VXS-F01-LED-E1-T3-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2325.3 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): 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

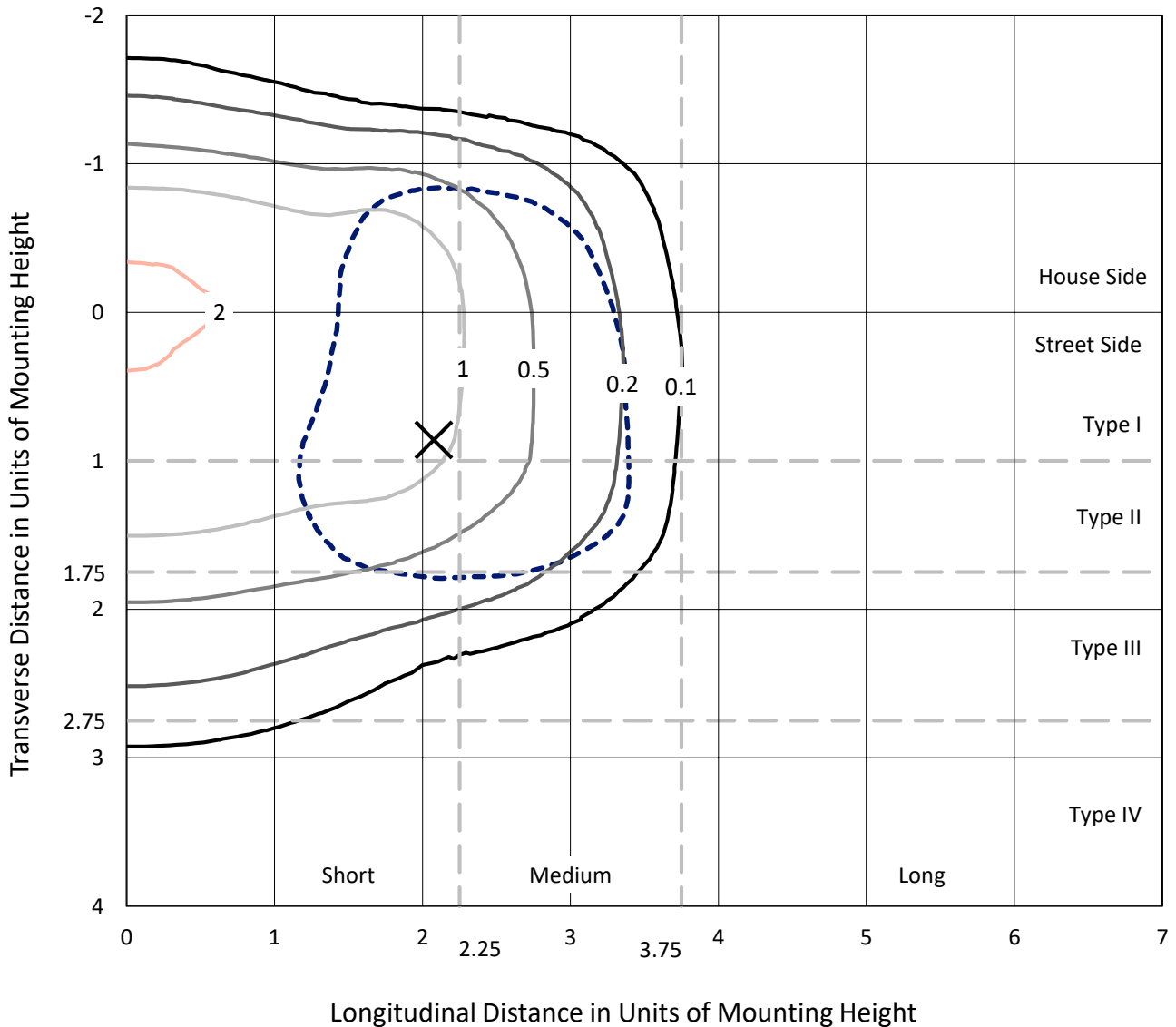


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

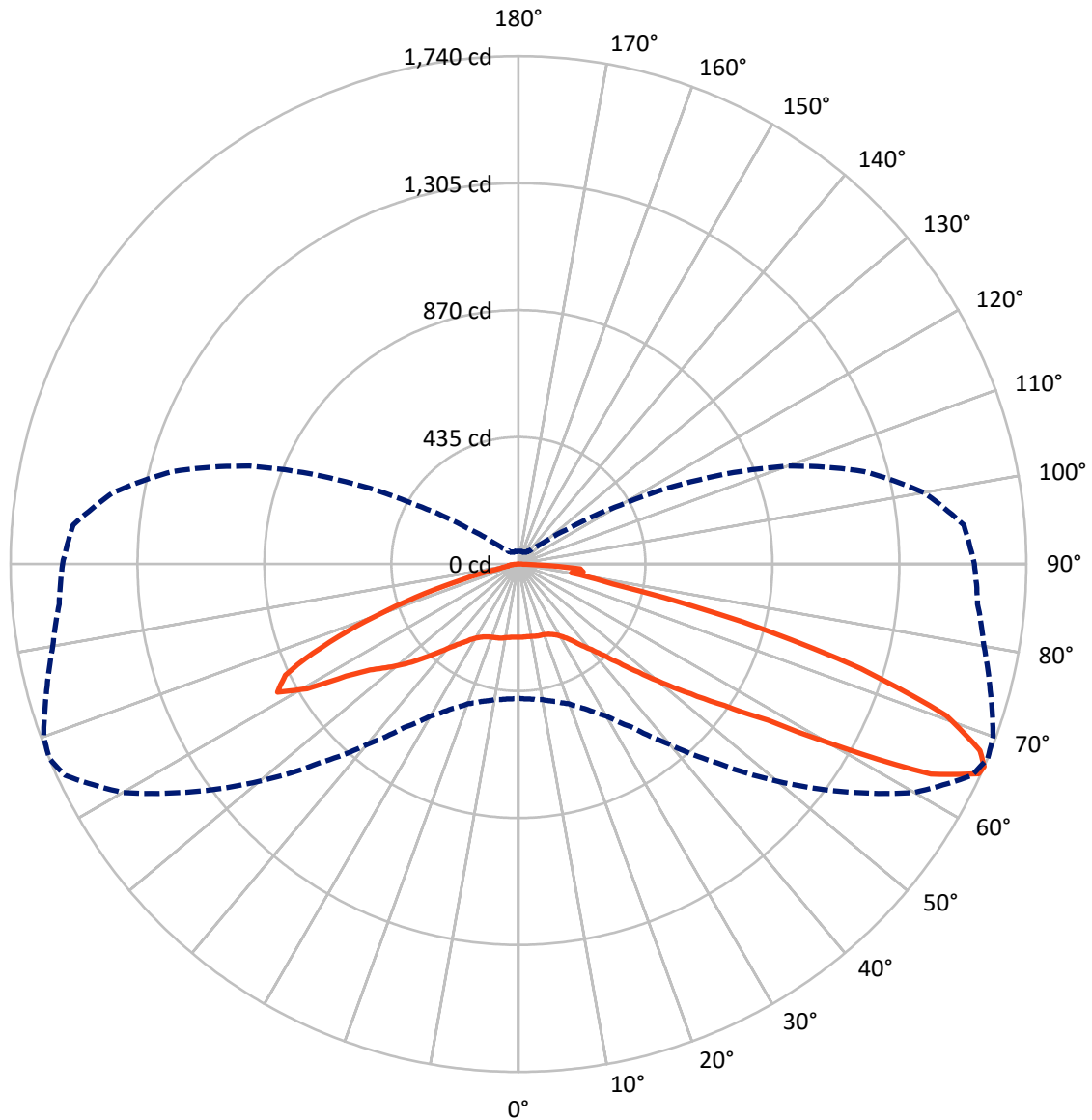


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - Semi-Cutoff

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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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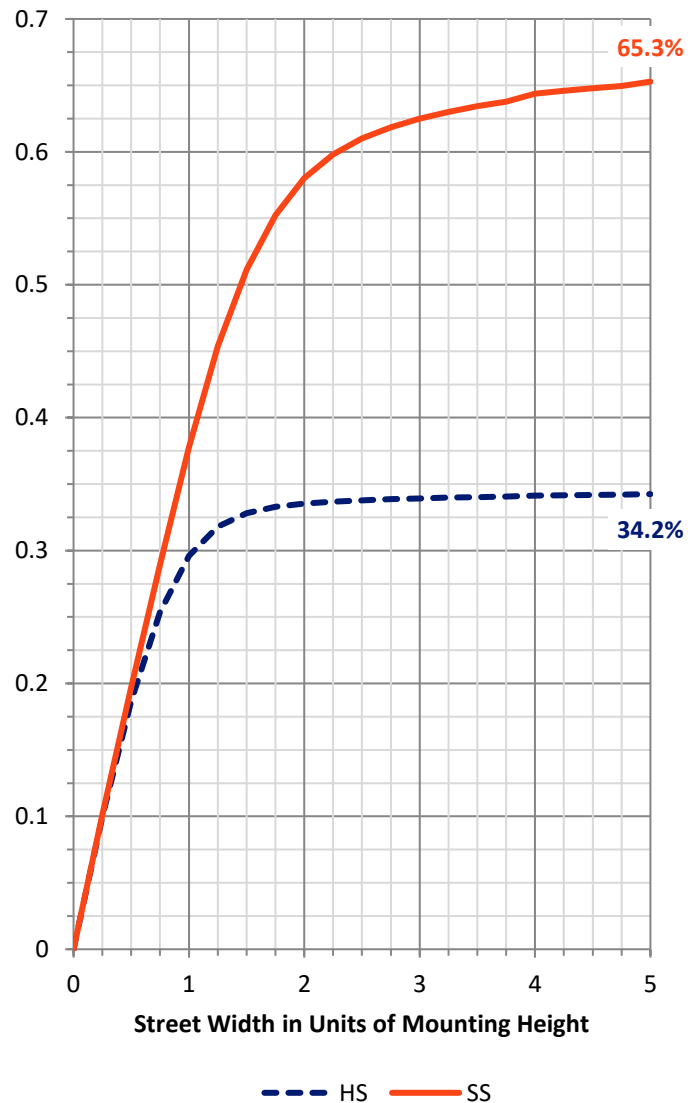
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	803.0	0.0	803.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1522.3	0.0	1522.3
	% Fixture	65.5	0.0	65.5
Total	Lumens	2325.3	0.0	2325.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	1.0
10°-20°	70.8	3.0
20°-30°	121.7	5.2
30°-40°	197.7	8.5
40°-50°	330.0	14.2
50°-60°	519.6	22.3
60°-70°	708.6	30.5
70°-80°	306.7	13.2
80°-90°	46.1	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°	2325.3	100.0
0°-180°	2325.3	100.0



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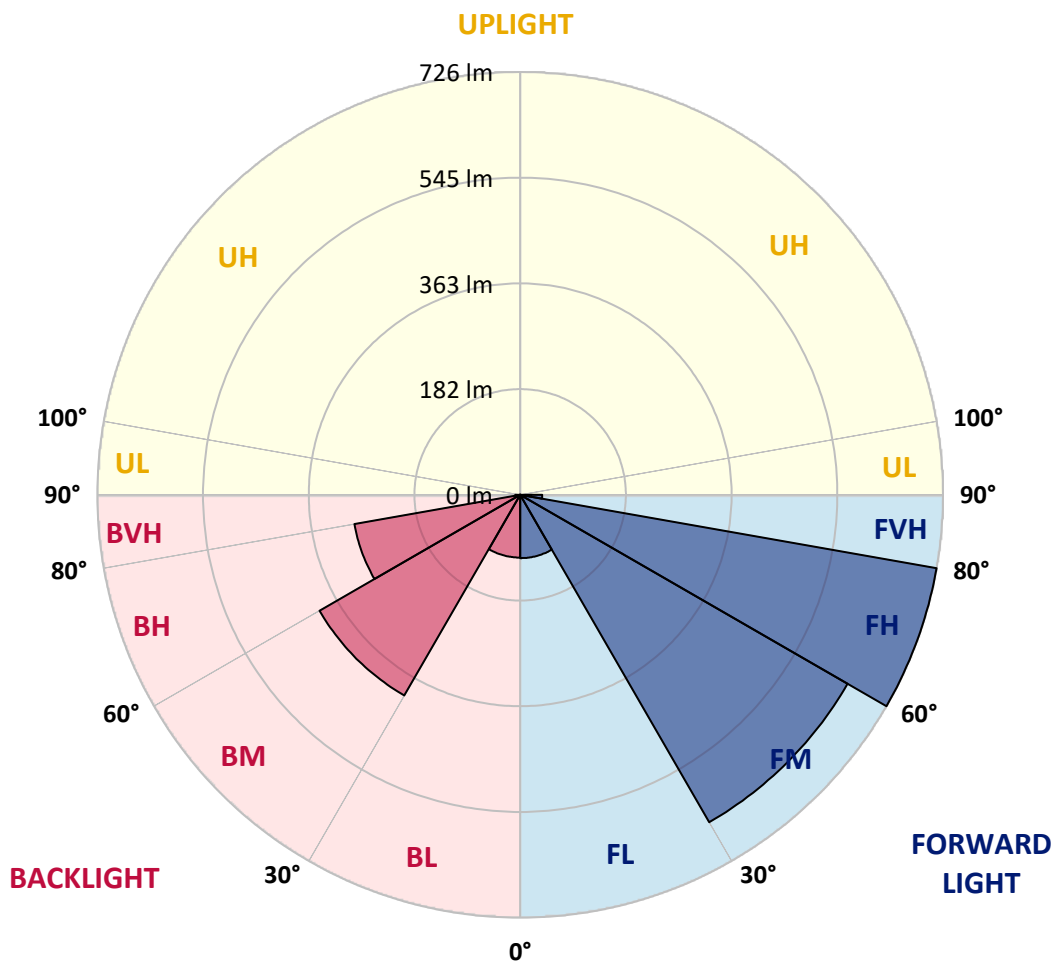
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.8	4.7			
FM	(30°-60°)	649.4	27.9			
FH	(60°-80°)	726.3	31.2			G1/1800
FVH	(80°-90°)	37.9	1.6			G1/100
BL	(0°-30°)	107.8	4.6	B0/110		
BM	(30°-60°)	397.9	17.1	B1/1000		
BH	(60°-80°)	289.0	12.4	B1/500		G1/500
BVH	(80°-90°)	8.3	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°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6
2.5°	251.6	252.5	251.6	251.8	252.1	251.8	251.6	251.6	250.8	251.3	251.8
5°	250.6	251.3	251.1	251.3	251.6	251.3	251.1	251.3	250.8	251.1	251.8
7.5°	249.3	249.1	249.3	249.8	250.4	250.4	250.4	250.6	250.4	250.4	251.1
10°	245.6	245.8	246.3	247.0	247.4	248.1	248.1	248.8	249.1	249.5	250.6
12.5°	240.7	241.0	241.6	242.1	243.3	244.6	244.6	246.3	247.0	248.3	250.1
15°	237.3	237.5	238.0	238.5	239.5	240.7	241.6	243.5	244.8	247.0	249.5
17.5°	239.3	239.1	239.5	239.8	239.8	240.7	240.7	242.3	243.8	245.8	249.1
20°	245.1	245.1	245.6	245.6	245.3	245.8	244.8	244.8	245.1	246.0	248.3
22.5°	250.8	250.6	251.6	252.1	252.3	253.1	252.1	251.8	250.6	249.8	250.6
25°	256.4	256.1	257.4	258.1	259.4	260.1	260.1	260.1	259.2	257.8	257.1
27.5°	264.9	264.9	266.1	266.9	267.9	269.4	270.2	270.2	270.5	268.7	267.5
30°	279.3	279.5	279.7	280.7	281.8	282.3	283.2	284.0	284.8	283.7	281.8
32.5°	296.3	294.8	294.8	296.3	297.6	299.1	299.6	300.6	302.1	301.3	301.1
35°	316.7	316.2	315.6	316.2	317.7	319.5	321.5	323.2	322.2	323.7	323.0
37.5°	346.8	347.4	347.6	347.6	347.4	347.9	348.8	350.6	350.2	350.6	351.6
40°	396.6	394.8	393.1	393.4	390.8	391.3	387.3	389.0	389.3	387.6	388.3
42.5°	446.3	447.4	448.1	450.2	448.4	447.4	443.6	443.6	441.6	439.8	439.4
45°	500.1	502.2	502.4	506.4	505.0	508.2	511.0	510.2	506.9	506.6	503.2
47.5°	543.1	546.4	549.9	554.7	558.4	565.7	574.3	578.5	581.0	583.1	579.1
50°	575.3	576.8	585.8	593.4	601.7	613.8	625.6	640.9	653.2	659.0	664.6
52.5°	592.6	596.4	606.2	618.0	632.6	650.7	669.8	694.2	715.3	729.3	742.0
55°	596.4	600.2	611.2	626.3	646.2	670.6	697.9	731.1	762.8	789.9	816.4
57.5°	585.8	590.2	602.0	619.3	642.7	672.3	706.7	750.3	794.0	837.9	876.9
60°	566.5	571.8	582.6	599.7	625.6	659.0	700.2	754.7	816.1	883.4	958.0
62.5°	534.6	540.1	550.2	569.0	595.6	632.6	680.3	748.2	834.9	940.9	1073.5
65°	483.3	485.8	498.1	517.2	540.8	581.6	634.1	716.1	828.9	976.4	1158.9
66°	460.2	464.5	472.0	487.4	509.9	548.2	600.9	684.1	806.0	964.1	1156.6
67.5°	424.0	427.3	432.3	442.6	456.4	484.6	534.6	613.3	736.2	901.8	1108.6
70°	342.8	344.4	351.1	354.6	359.4	368.7	386.8	432.0	527.8	683.4	894.7
72.5°	233.8	238.0	245.3	255.3	268.4	281.0	289.5	295.3	316.0	407.7	596.2
75°	171.4	176.0	185.2	198.5	221.5	247.6	274.7	287.3	278.8	266.9	332.0
77.5°	99.5	105.6	113.4	126.2	147.3	182.0	228.5	269.6	297.6	299.4	284.2
80°	42.0	42.7	47.5	54.0	67.2	91.5	127.7	186.9	248.8	290.6	300.3
82.5°	9.5	11.8	15.1	17.8	21.9	30.2	44.8	74.4	134.5	210.9	274.9
85°	3.5	3.5	4.8	7.0	8.1	9.0	11.8	18.9	32.1	59.3	123.6
87.5°	0.0	0.2	0.5	0.5	1.0	1.2	2.0	2.8	2.5	2.3	7.6
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°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6
2.5°	251.3	251.1	250.6	250.6	250.6	250.6	250.1	250.4	249.8	250.1	250.1
5°	251.1	251.1	250.8	250.4	250.6	250.6	250.8	250.4	250.4	250.6	250.4
7.5°	251.1	250.8	250.8	250.8	251.1	250.8	251.1	251.1	251.1	251.3	251.3
10°	251.1	251.1	251.6	251.8	251.8	252.1	252.8	252.8	253.1	253.4	253.9
12.5°	251.3	252.3	253.1	253.9	254.1	254.6	255.9	255.9	256.4	257.1	257.4
15°	251.6	253.1	254.6	255.1	255.6	256.6	257.8	258.3	259.2	259.9	260.4
17.5°	251.3	253.4	255.1	255.9	256.6	257.8	259.4	259.9	260.9	261.9	262.9
20°	251.1	253.9	256.6	257.6	258.7	260.4	262.4	263.6	264.7	266.1	267.2
22.5°	252.5	255.9	259.6	261.1	262.9	265.2	267.9	269.4	270.7	272.2	273.0
25°	257.4	259.9	264.4	266.9	269.2	273.0	276.7	278.4	280.0	281.2	281.5
27.5°	265.4	266.1	271.7	274.9	278.2	284.2	288.8	290.1	292.8	293.8	293.6
30°	278.4	277.2	281.8	286.7	291.5	299.8	305.4	308.6	311.2	311.2	309.1
32.5°	297.3	295.3	296.6	302.4	307.9	319.9	326.5	330.8	332.5	332.0	327.8
35°	322.0	320.7	319.9	324.5	333.3	347.4	355.9	358.1	360.9	360.4	354.9
37.5°	351.1	350.2	350.2	355.3	363.9	384.8	394.1	395.5	395.3	391.3	381.0
40°	385.5	385.1	382.8	385.8	393.1	420.2	432.7	434.8	432.0	425.5	413.5
42.5°	435.0	432.0	425.0	426.7	432.3	458.7	475.0	480.5	477.8	471.3	451.6
45°	499.7	496.4	484.6	483.1	486.1	509.2	530.3	531.6	531.1	522.8	499.7
47.5°	575.5	570.6	557.9	553.9	553.0	574.3	594.6	596.7	595.4	583.1	552.1
50°	657.7	650.5	642.2	639.4	635.3	650.7	671.3	671.6	666.5	649.4	620.5
52.5°	745.5	742.9	741.5	738.7	736.9	750.3	762.8	755.2	747.7	729.8	704.8
55°	833.9	844.2	854.8	855.8	858.8	873.2	872.8	852.2	846.7	836.9	812.0
57.5°	927.9	966.1	999.3	1009.6	1019.7	1046.3	1043.7	1023.4	1016.4	1004.4	983.7
60°	1055.9	1158.9	1254.6	1277.5	1293.4	1325.3	1322.3	1290.9	1305.4	1304.5	1277.7
62.5°	1235.0	1406.4	1549.9	1585.2	1596.2	1599.7	1580.6	1546.7	1561.0	1577.1	1495.1
65°	1356.5	1558.0	1705.3	1732.4	1733.9	1691.9	1649.5	1609.5	1606.0	1592.2	1475.0
66°	1359.2	1565.5	1713.4	1739.7	1730.5	1673.2	1619.4	1579.1	1561.8	1531.4	1409.9
67.5°	1310.5	1518.5	1677.6	1705.5	1685.2	1604.0	1529.8	1478.0	1444.1	1394.9	1287.8
70°	1100.6	1306.9	1503.0	1555.0	1561.6	1440.4	1337.6	1276.8	1231.0	1163.4	1071.2
72.5°	818.3	1004.9	1177.7	1227.5	1252.8	1156.2	1069.4	1023.2	960.6	889.4	823.8
75°	513.0	644.7	760.5	795.4	771.6	696.7	644.7	625.3	563.7	521.2	491.4
77.5°	293.3	334.5	343.8	330.5	302.4	231.5	164.7	121.9	105.8	117.1	129.2
80°	286.2	262.4	209.1	183.9	166.6	114.6	67.4	46.2	38.4	39.5	42.7
82.5°	310.2	332.7	274.0	223.4	187.5	126.6	69.8	37.2	25.2	29.6	33.5
85°	201.6	280.5	252.5	212.8	172.4	108.3	57.5	19.4	12.8	16.8	23.1
87.5°	20.3	22.4	19.1	25.9	19.4	9.0	4.6	2.8	2.5	3.0	4.6
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°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6
2.5°	250.4	250.4	250.6	250.8	251.1	251.3	251.3	251.3	251.3	251.8	251.6
5°	250.8	251.3	251.8	252.1	252.5	252.5	253.4	253.1	253.1	253.9	254.1
7.5°	251.8	252.5	253.6	253.4	254.3	254.1	254.6	254.6	253.9	254.1	253.6
10°	254.1	255.1	255.6	254.8	255.1	254.1	253.9	252.5	251.1	250.4	249.3
12.5°	257.8	258.9	258.9	257.6	256.1	253.9	252.1	249.3	247.0	245.8	244.6
15°	261.1	262.2	261.9	259.9	257.6	254.1	251.6	248.3	245.1	243.0	241.8
17.5°	263.6	264.1	263.4	260.6	258.1	254.8	252.3	248.8	245.1	242.5	240.3
20°	267.5	266.9	265.2	261.7	258.9	255.9	253.9	250.8	246.5	243.3	240.0
22.5°	273.0	271.0	267.7	263.9	261.1	258.3	256.4	253.1	248.8	244.8	241.0
25°	280.2	276.2	271.7	267.7	265.2	262.2	259.9	256.4	251.8	247.4	242.8
27.5°	290.8	283.7	277.9	274.4	271.7	267.9	265.2	260.6	255.9	250.6	245.6
30°	302.6	293.1	287.6	284.8	281.8	277.7	273.5	267.7	262.2	256.4	250.4
32.5°	317.9	306.3	301.1	298.3	294.3	289.3	284.2	277.7	269.9	262.4	255.1
35°	338.0	326.2	320.7	316.5	310.9	304.4	297.1	288.3	277.7	267.7	258.3
37.5°	359.7	346.8	341.6	337.0	328.7	320.2	309.8	297.1	282.8	269.4	257.8
40°	387.0	375.2	368.5	360.6	350.9	336.1	319.9	301.3	283.0	266.6	253.1
42.5°	421.8	409.9	399.9	387.6	370.5	347.6	324.8	300.6	278.4	259.9	245.3
45°	467.8	453.4	436.1	414.4	386.8	354.9	325.0	295.9	269.9	249.3	233.8
47.5°	524.0	502.2	473.8	437.3	397.6	356.9	320.9	286.2	256.6	234.2	216.9
50°	590.9	556.5	509.7	456.2	403.1	353.9	310.9	271.9	237.7	213.9	193.3
52.5°	667.3	611.0	542.1	469.7	402.9	343.8	293.8	250.4	213.2	186.5	166.8
55°	757.0	673.4	575.5	479.8	395.9	325.2	267.7	219.9	182.7	158.1	140.0
57.5°	888.5	774.3	633.9	495.3	381.8	296.6	232.2	183.5	150.8	127.5	112.1
60°	1128.7	943.0	739.0	526.8	360.2	254.6	190.8	144.6	117.1	98.2	88.0
62.5°	1309.6	1073.5	795.8	519.8	316.7	202.8	141.5	105.3	86.2	73.4	66.8
65°	1283.8	1033.0	735.1	447.7	248.3	143.0	94.0	71.6	59.3	53.3	49.5
66°	1225.3	980.2	682.6	402.9	214.6	118.9	77.4	60.1	51.0	46.7	44.2
67.5°	1114.2	882.2	588.6	330.3	164.9	86.2	58.3	47.5	41.5	39.7	37.9
70°	926.1	703.5	413.2	192.2	84.1	48.0	37.0	33.2	31.7	31.4	30.9
72.5°	709.7	497.9	243.3	91.0	43.7	31.9	28.6	27.4	26.9	26.9	27.2
75°	435.0	279.7	107.6	44.5	30.7	26.9	25.4	24.9	24.7	24.9	24.7
77.5°	145.3	89.0	46.0	33.7	27.9	24.9	23.8	23.4	23.4	23.4	23.4
80°	44.5	38.8	35.2	31.2	26.4	23.6	22.1	21.9	22.1	22.4	21.7
82.5°	33.5	31.7	29.6	27.7	23.8	21.1	20.6	20.6	20.6	19.9	18.9
85°	24.7	24.4	20.1	18.9	17.6	17.6	17.6	17.6	16.8	15.5	14.6
87.5°	4.6	4.2	4.6	4.8	7.0	7.6	7.6	8.1	8.8	8.3	8.3
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°	250.6	250.6	250.6	250.6	250.6
2.5°	251.6	251.3	252.1	251.6	251.8
5°	253.9	253.6	254.1	253.6	254.3
7.5°	253.1	252.5	252.3	252.5	252.8
10°	247.8	247.4	247.0	246.8	247.0
12.5°	243.3	242.3	242.3	241.8	242.1
15°	240.0	239.3	239.1	238.5	238.8
17.5°	238.5	237.3	236.8	236.3	236.3
20°	237.5	236.0	235.2	234.7	234.5
22.5°	237.5	235.2	234.2	233.8	233.5
25°	238.5	235.8	234.2	233.5	233.3
27.5°	240.5	237.0	235.2	234.2	234.2
30°	244.0	239.5	237.0	235.8	235.5
32.5°	247.6	241.6	238.0	236.5	236.0
35°	249.3	241.6	237.3	234.7	234.2
37.5°	247.4	238.2	233.0	229.2	228.5
40°	241.0	231.5	225.7	222.2	221.7
42.5°	232.7	223.4	216.7	214.1	213.4
45°	221.5	210.4	203.6	200.1	200.3
47.5°	202.1	190.8	184.8	181.5	182.0
50°	179.2	168.2	162.9	159.4	160.1
52.5°	154.1	144.0	139.0	137.2	136.7
55°	127.7	119.9	116.4	114.4	113.6
57.5°	103.5	98.0	95.5	93.0	93.3
60°	81.7	79.0	78.1	75.4	75.1
62.5°	64.4	62.6	61.9	59.8	60.1
65°	48.8	48.3	48.8	47.5	48.0
66°	43.9	44.2	44.2	43.5	43.9
67.5°	37.9	38.4	39.2	38.4	39.0
70°	31.4	31.9	32.4	32.4	32.4
72.5°	27.4	27.9	28.2	28.2	28.2
75°	25.2	25.4	25.6	25.2	25.2
77.5°	23.6	23.6	23.1	22.9	22.6
80°	21.3	21.1	20.3	19.9	19.9
82.5°	17.8	17.3	16.8	16.1	16.1
85°	13.6	13.1	12.5	11.6	11.1
87.5°	7.0	7.3	7.0	5.8	5.1
90°	0.0	0.0	0.0	0.0	0.0

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