

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: P155408

Luminaire Tested: **VXS-E01-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155408
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-E01-LED-E1-T3-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2602.8 lumens
Efficiency: N/A
Efficacy: 105.4 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): 24.7
Input Voltage (V): NR
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

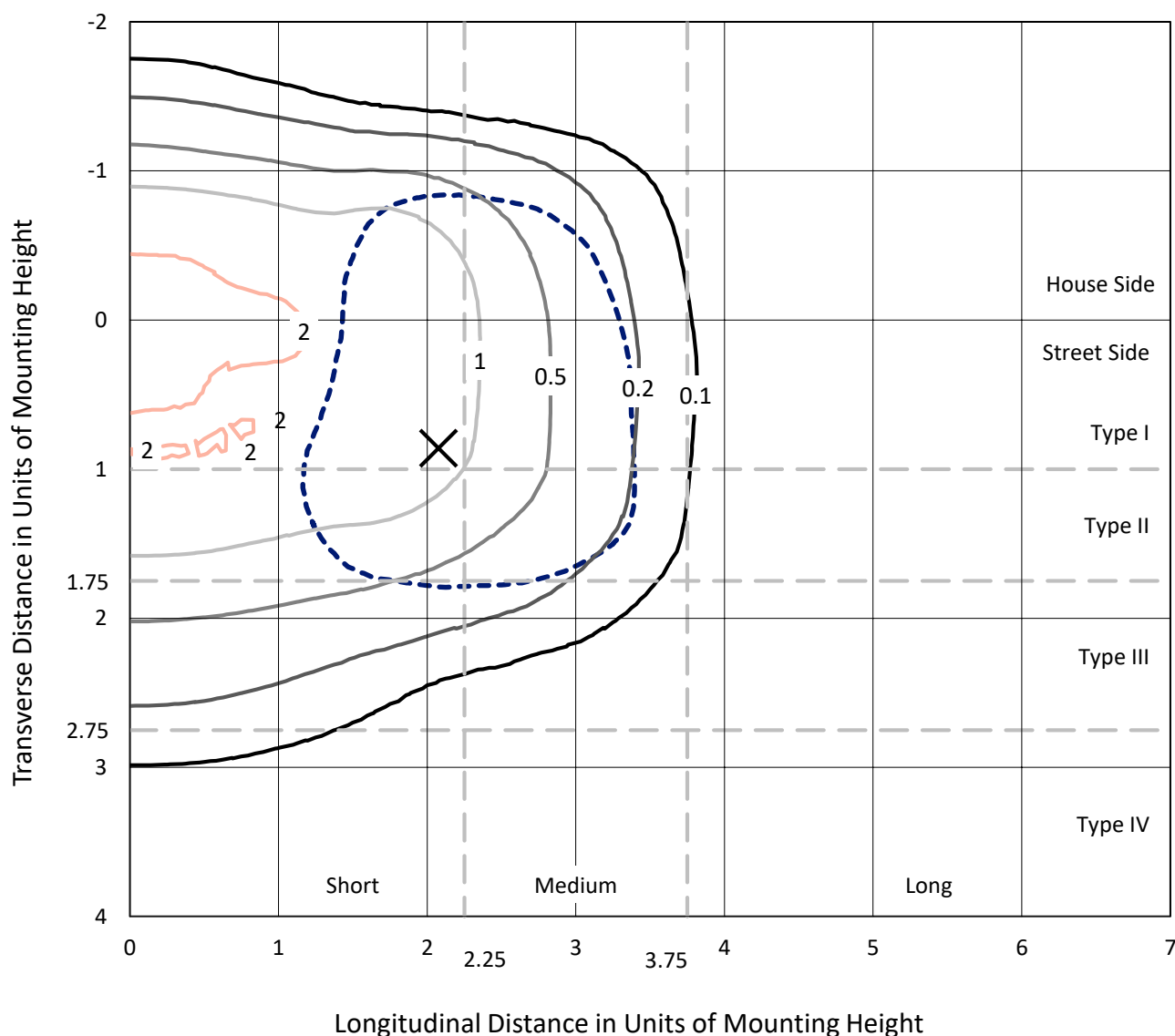


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

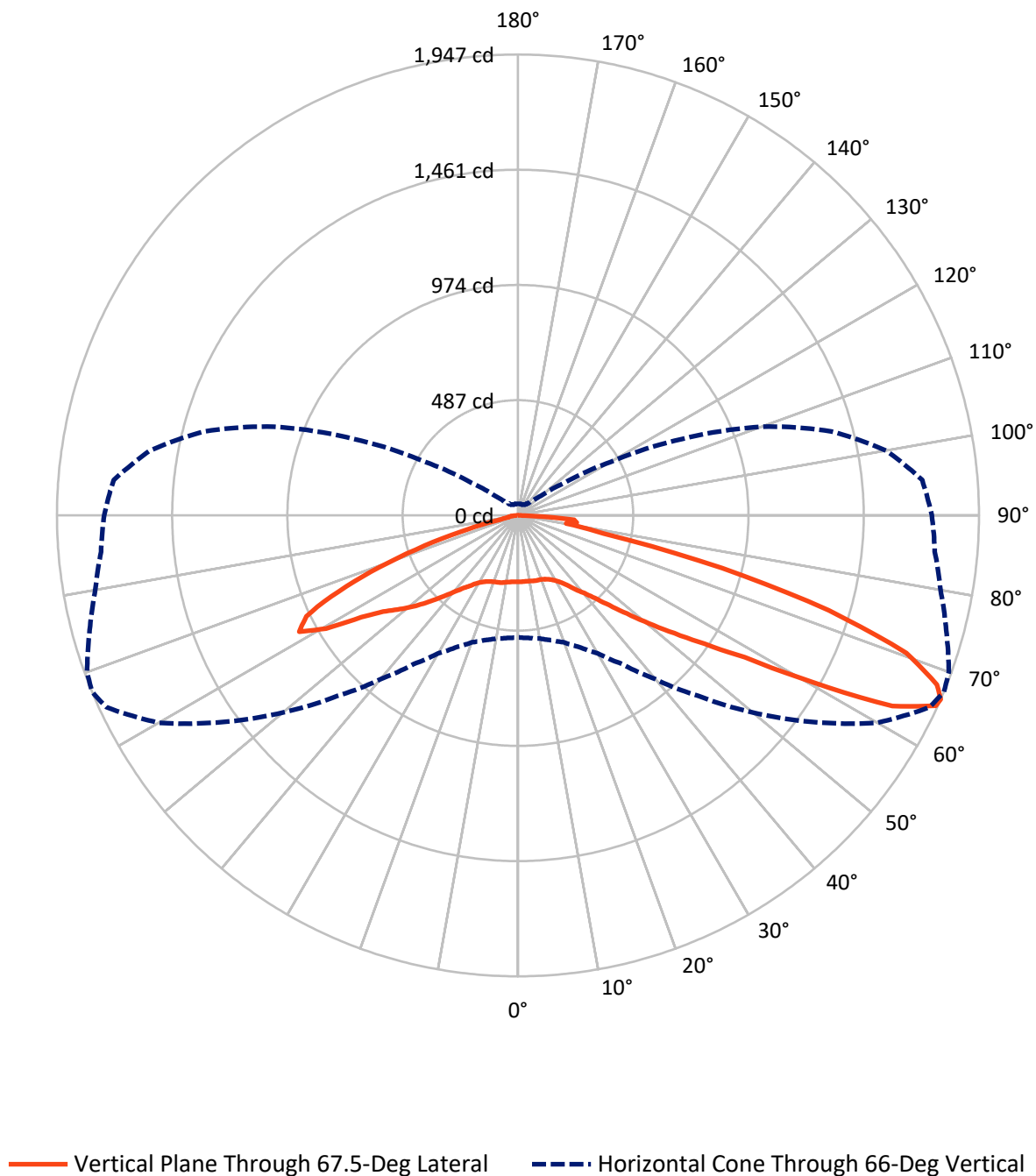


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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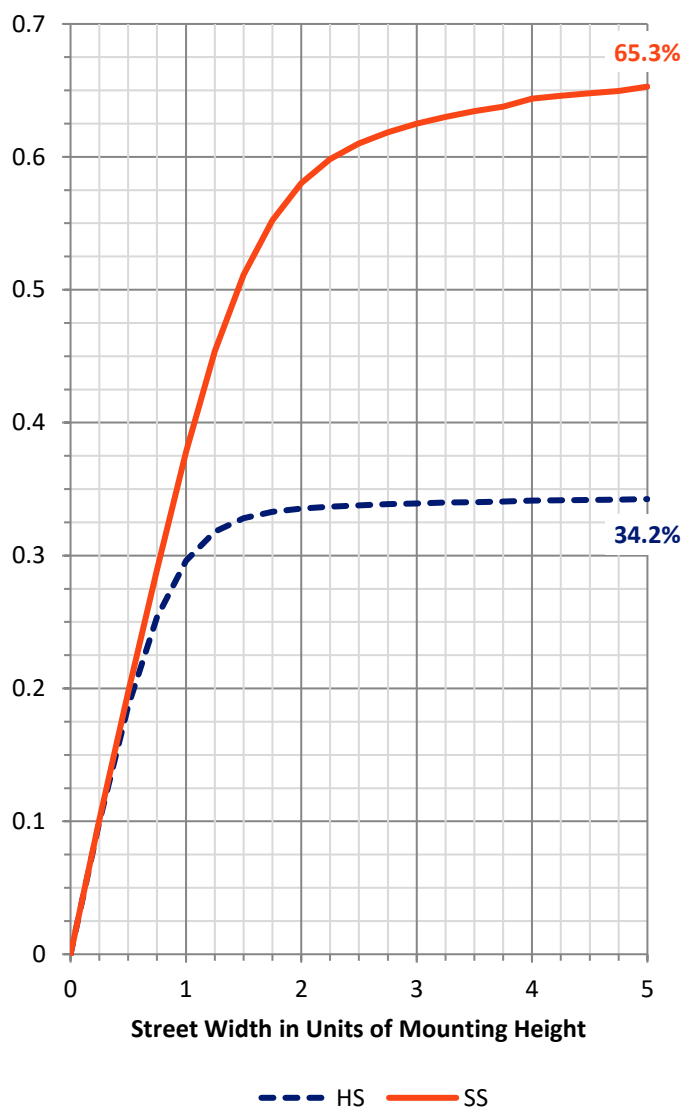
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	898.8	0.0	898.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1704.0	0.0	1704.0
	% Fixture	65.5	0.0	65.5
Total	Lumens	2602.8	0.0	2602.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.0
10°-20°	79.3	3.0
20°-30°	136.3	5.2
30°-40°	221.3	8.5
40°-50°	369.4	14.2
50°-60°	581.6	22.3
60°-70°	793.1	30.5
70°-80°	343.3	13.2
80°-90°	51.6	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°	2602.8	100.0
0°-180°	2602.8	100.0

Coefficient of Utilization



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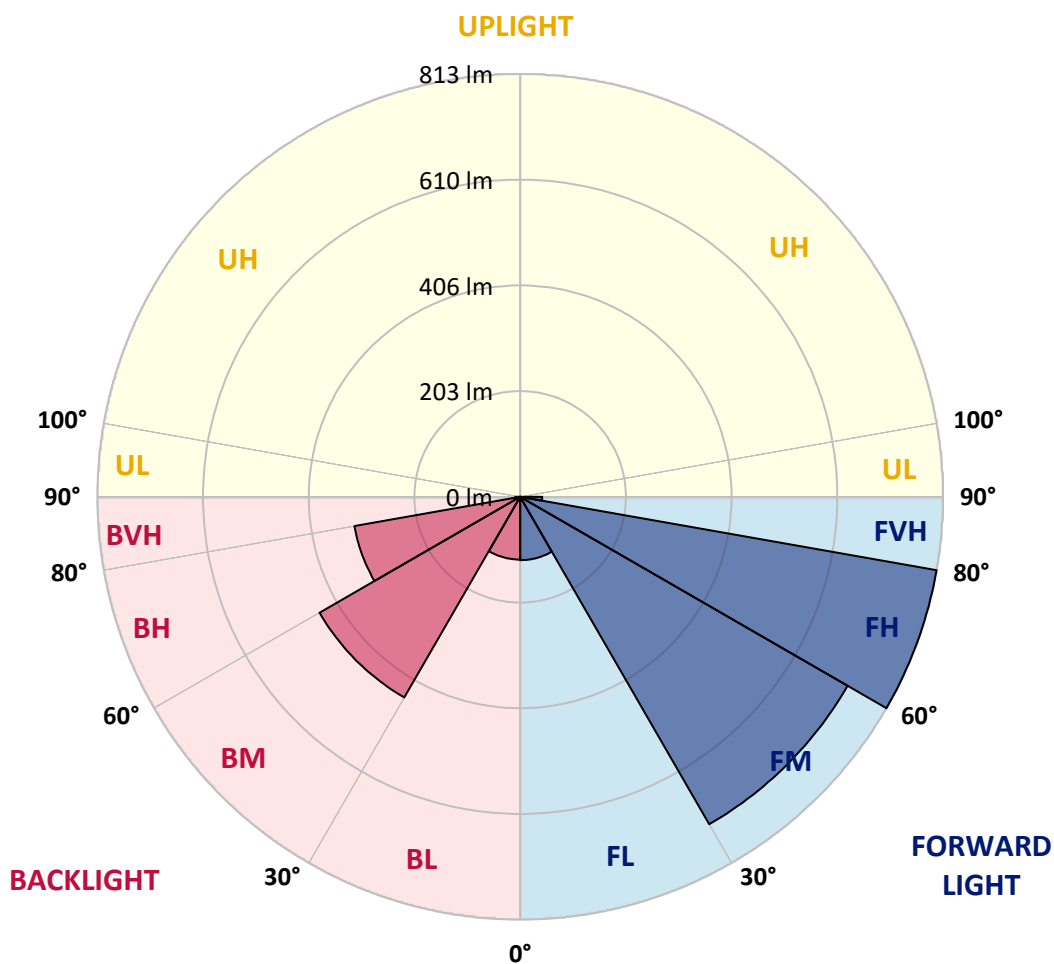
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.8	4.7			
FM	(30°-60°)	726.9	27.9			
FH	(60°-80°)	812.9	31.2			G1/1800
FVH	(80°-90°)	42.4	1.6			G1/100
BL	(0°-30°)	120.7	4.6	B1/500		
BM	(30°-60°)	445.4	17.1	B1/1000		
BH	(60°-80°)	323.5	12.4	B1/500		G1/500
BVH	(80°-90°)	9.2	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°	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5
2.5°	281.7	282.7	281.7	281.9	282.2	281.9	281.7	281.7	280.7	281.3	281.9
5°	280.5	281.3	281.0	281.3	281.7	281.3	281.0	281.3	280.7	281.0	281.9
7.5°	279.1	278.8	279.1	279.7	280.2	280.2	280.2	280.5	280.2	280.2	281.0
10°	274.8	275.1	275.8	276.6	276.8	277.7	277.7	278.5	278.8	279.4	280.5
12.5°	269.5	269.8	270.4	270.9	272.3	273.8	273.8	275.8	276.6	277.9	279.9
15°	265.6	265.9	266.4	266.9	268.1	269.5	270.4	272.6	274.0	276.6	279.4
17.5°	267.9	267.6	268.1	268.4	268.4	269.5	269.5	271.2	272.8	275.1	278.8
20°	274.3	274.3	274.8	274.8	274.6	275.1	274.0	274.0	274.3	275.4	277.9
22.5°	280.7	280.5	281.7	282.2	282.5	283.3	282.2	281.9	280.5	279.7	280.5
25°	286.9	286.6	288.1	288.9	290.4	291.2	291.2	291.2	290.1	288.6	287.8
27.5°	296.5	296.5	297.9	298.8	299.9	301.6	302.4	302.4	302.7	300.7	299.4
30°	312.5	312.8	313.2	314.2	315.3	316.0	317.1	317.9	318.8	317.6	315.3
32.5°	331.7	330.1	330.1	331.7	333.1	334.8	335.3	336.5	338.1	337.3	337.0
35°	354.5	353.9	353.4	353.9	355.6	357.6	359.8	361.8	360.6	362.4	361.6
37.5°	388.2	388.8	389.1	389.1	388.8	389.3	390.5	392.4	391.9	392.4	393.6
40°	443.9	442.0	440.0	440.3	437.5	438.0	433.6	435.5	435.8	433.8	434.6
42.5°	499.7	500.7	501.7	503.8	501.9	500.7	496.6	496.6	494.3	492.3	491.8
45°	559.9	562.1	562.4	566.8	565.2	568.8	571.9	571.1	567.5	567.2	563.2
47.5°	608.0	611.6	615.5	620.9	625.1	633.3	642.8	647.7	650.5	652.6	648.2
50°	643.9	645.7	655.8	664.2	673.5	687.0	700.2	717.4	731.2	737.6	743.8
52.5°	663.4	667.6	678.5	691.8	708.1	728.4	749.7	777.0	800.6	816.4	830.5
55°	667.6	671.8	684.1	701.0	723.3	750.6	781.2	818.3	853.9	884.2	913.8
57.5°	655.8	660.5	673.8	693.2	719.4	752.5	791.1	839.8	888.7	937.9	981.6
60°	634.1	640.0	652.1	671.3	700.2	737.6	783.8	844.9	913.5	988.9	1072.4
62.5°	598.3	604.6	615.9	636.9	666.7	708.1	761.6	837.5	934.6	1053.3	1201.6
65°	541.0	543.8	557.6	579.0	605.4	651.0	709.8	801.6	927.9	1093.0	1297.2
66°	515.1	519.9	528.3	545.5	570.8	613.6	672.6	765.8	902.2	1079.2	1294.7
67.5°	474.6	478.2	483.9	495.4	510.9	542.4	598.3	686.4	824.0	1009.4	1240.9
70°	383.7	385.4	393.1	397.0	402.3	412.7	433.0	483.6	590.8	765.0	1001.6
72.5°	261.7	266.4	274.6	285.8	300.4	314.5	324.0	330.6	353.7	456.3	667.4
75°	191.9	196.9	207.4	222.3	247.9	277.1	307.5	321.6	312.0	298.8	371.6
77.5°	111.4	118.1	126.8	141.2	164.9	203.7	255.8	301.9	333.1	335.0	318.1
80°	46.9	47.9	53.2	60.5	75.1	102.4	142.9	209.3	278.5	325.2	336.2
82.5°	10.7	13.3	16.9	20.0	24.5	33.8	50.1	83.3	150.5	236.1	307.8
85°	3.9	3.9	5.4	7.9	9.0	10.2	13.3	21.1	36.0	66.4	138.4
87.5°	0.0	0.3	0.5	0.5	1.1	1.5	2.3	3.1	2.8	2.5	8.4
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°	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5
2.5°	281.3	281.0	280.5	280.5	280.5	280.5	279.9	280.2	279.7	279.9	279.9
5°	281.0	281.0	280.7	280.2	280.5	280.5	280.7	280.2	280.2	280.5	280.2
7.5°	281.0	280.7	280.7	280.7	281.0	280.7	281.0	281.0	281.0	281.3	281.3
10°	281.0	281.0	281.7	281.9	281.9	282.2	283.0	283.0	283.3	283.6	284.1
12.5°	281.3	282.5	283.3	284.1	284.5	285.0	286.4	286.4	286.9	287.8	288.1
15°	281.7	283.3	285.0	285.6	286.1	287.3	288.6	289.2	290.1	290.9	291.5
17.5°	281.3	283.6	285.6	286.4	287.3	288.6	290.4	290.9	292.0	293.2	294.3
20°	281.0	284.1	287.3	288.4	289.5	291.5	293.7	295.1	296.3	297.9	299.1
22.5°	282.7	286.4	290.6	292.3	294.3	296.8	299.9	301.6	303.0	304.7	305.5
25°	288.1	290.9	296.0	298.8	301.3	305.5	309.7	311.7	313.4	314.8	315.1
27.5°	297.1	297.9	304.1	307.8	311.4	318.1	323.2	324.7	327.8	328.9	328.6
30°	311.7	310.3	315.3	321.0	326.3	335.6	341.9	345.5	348.3	348.3	346.0
32.5°	332.8	330.6	332.0	338.4	344.7	358.1	365.5	370.3	372.2	371.6	366.8
35°	360.4	359.0	358.1	363.2	373.1	388.8	398.3	400.9	404.0	403.4	397.2
37.5°	393.1	391.9	391.9	397.8	407.4	430.7	441.1	442.8	442.5	438.0	426.5
40°	431.6	431.0	428.5	431.8	440.0	470.4	484.5	486.7	483.6	476.3	462.8
42.5°	486.9	483.6	475.8	477.7	483.9	513.5	531.7	537.9	534.8	527.5	505.6
45°	559.3	555.6	542.4	540.7	544.0	569.9	593.6	595.0	594.4	585.2	559.3
47.5°	644.2	638.7	624.6	620.1	619.0	642.8	665.6	667.9	666.4	652.6	618.0
50°	736.3	728.1	718.8	715.8	711.2	728.4	751.4	751.7	746.1	726.9	694.6
52.5°	834.4	831.6	829.9	826.8	824.9	839.8	853.9	845.4	837.0	817.0	788.8
55°	933.5	945.0	956.8	957.9	961.3	977.3	977.1	954.0	947.8	936.8	909.0
57.5°	1038.7	1081.5	1118.5	1130.2	1141.3	1171.2	1168.4	1145.6	1137.7	1124.1	1101.1
60°	1181.9	1297.2	1404.4	1430.1	1447.8	1483.4	1480.1	1444.9	1461.2	1460.1	1430.3
62.5°	1382.5	1574.3	1734.9	1774.3	1786.7	1790.7	1769.3	1731.3	1747.4	1765.4	1673.7
65°	1518.3	1743.9	1908.8	1939.2	1940.9	1893.9	1846.3	1801.7	1797.7	1782.2	1651.1
66°	1521.5	1752.4	1917.8	1947.4	1937.0	1872.8	1812.6	1767.6	1748.2	1714.2	1578.2
67.5°	1466.8	1699.8	1877.9	1909.1	1886.3	1795.4	1712.4	1654.5	1616.5	1561.3	1441.6
70°	1231.9	1462.9	1682.4	1740.6	1747.9	1612.3	1497.2	1429.1	1377.9	1302.3	1199.1
72.5°	916.1	1124.8	1318.3	1374.0	1402.4	1294.1	1197.1	1145.3	1075.2	995.6	922.2
75°	574.2	721.7	851.3	890.4	863.7	779.9	721.7	700.0	631.0	583.5	550.1
77.5°	328.3	374.4	384.9	369.9	338.4	259.1	184.2	136.5	118.4	131.1	144.6
80°	320.4	293.7	234.1	205.9	186.5	128.3	75.4	51.8	43.0	44.1	47.9
82.5°	347.2	372.4	306.6	250.1	209.8	141.8	78.2	41.7	28.1	33.2	37.4
85°	225.6	314.0	282.7	238.2	193.0	121.2	64.5	21.7	14.3	18.9	25.9
87.5°	22.8	25.1	21.3	29.0	21.7	10.2	5.1	3.1	2.8	3.4	5.1
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°	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5
2.5°	280.2	280.2	280.5	280.7	281.0	281.3	281.3	281.3	281.3	281.9	281.7
5°	280.7	281.3	281.9	282.2	282.7	282.7	283.6	283.3	283.3	284.1	284.5
7.5°	281.9	282.7	283.8	283.6	284.7	284.5	285.0	285.0	284.1	284.5	283.8
10°	284.5	285.6	286.1	285.3	285.6	284.5	284.1	282.7	281.0	280.2	279.1
12.5°	288.6	289.7	289.7	288.4	286.6	284.1	282.2	279.1	276.6	275.1	273.8
15°	292.3	293.5	293.2	290.9	288.4	284.5	281.7	277.9	274.3	272.0	270.7
17.5°	295.1	295.6	294.8	291.7	288.9	285.3	282.5	278.5	274.3	271.5	268.9
20°	299.4	298.8	296.8	292.8	289.7	286.4	284.1	280.7	276.0	272.3	268.7
22.5°	305.5	303.3	299.6	295.4	292.3	289.2	286.9	283.3	278.5	274.0	269.8
25°	313.7	309.2	304.1	299.6	296.8	293.5	290.9	286.9	281.9	276.8	271.8
27.5°	325.5	317.6	311.2	307.3	304.1	299.9	296.8	291.7	286.4	280.5	274.8
30°	338.8	328.1	321.9	318.8	315.3	310.9	306.1	299.6	293.5	286.9	280.2
32.5°	355.9	342.9	337.0	334.0	329.4	323.8	318.1	310.9	302.2	293.7	285.6
35°	378.3	365.2	359.0	354.2	348.0	340.7	332.5	322.7	310.9	299.6	289.2
37.5°	402.6	388.2	382.3	377.3	368.0	358.4	346.8	332.5	316.5	301.6	288.6
40°	433.3	420.0	412.4	403.7	392.7	376.2	358.1	337.3	316.8	298.4	283.3
42.5°	472.0	458.9	447.6	433.8	414.7	389.1	363.5	336.5	311.7	290.9	274.6
45°	523.5	507.6	488.1	463.9	433.0	397.2	363.7	331.1	302.2	279.1	261.7
47.5°	586.5	562.1	530.3	489.5	445.1	399.5	359.3	320.4	287.3	262.2	242.8
50°	661.5	622.9	570.6	510.6	451.3	396.1	348.0	304.4	266.1	239.4	216.4
52.5°	746.9	683.9	606.8	525.8	451.0	384.9	328.9	280.2	238.5	208.7	186.8
55°	847.4	753.7	644.2	537.1	443.1	364.0	299.6	246.1	204.6	177.0	156.7
57.5°	994.5	866.7	709.5	554.5	427.4	332.0	260.0	205.4	168.8	142.6	125.5
60°	1263.4	1055.5	827.2	589.6	403.1	285.0	213.6	161.8	131.1	110.1	98.4
62.5°	1466.0	1201.6	890.7	581.8	354.5	227.0	158.3	117.9	96.5	82.2	74.8
65°	1437.0	1156.3	822.9	501.0	277.9	160.1	105.2	80.2	66.4	59.7	55.4
66°	1371.5	1097.2	764.0	451.0	240.2	133.1	86.6	67.3	57.1	52.3	49.5
67.5°	1247.2	987.5	658.9	369.6	184.6	96.5	65.3	53.2	46.4	44.5	42.5
70°	1036.7	787.5	462.5	215.2	94.2	53.8	41.3	37.1	35.4	35.1	34.6
72.5°	794.5	557.3	272.3	101.9	48.9	35.8	32.0	30.7	30.1	30.1	30.4
75°	486.9	313.2	120.4	49.8	34.3	30.1	28.4	27.9	27.6	27.9	27.6
77.5°	162.6	99.6	51.5	37.7	31.2	27.9	26.7	26.1	26.1	26.1	26.1
80°	49.8	43.3	39.4	34.9	29.5	26.4	24.8	24.5	24.8	25.1	24.1
82.5°	37.4	35.4	33.2	31.0	26.7	23.6	23.1	23.1	23.1	22.2	21.1
85°	27.6	27.3	22.5	21.1	19.7	19.7	19.7	19.7	18.9	17.4	16.3
87.5°	5.1	4.8	5.1	5.4	7.9	8.4	8.4	9.0	9.8	9.3	9.3
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°	280.5	280.5	280.5	280.5	280.5
2.5°	281.7	281.3	282.2	281.7	281.9
5°	284.1	283.8	284.5	283.8	284.7
7.5°	283.3	282.7	282.5	282.7	283.0
10°	277.4	276.8	276.6	276.3	276.6
12.5°	272.3	271.2	271.2	270.7	270.9
15°	268.7	267.9	267.6	266.9	267.3
17.5°	266.9	265.6	265.0	264.5	264.5
20°	265.9	264.1	263.3	262.8	262.5
22.5°	265.9	263.3	262.2	261.7	261.3
25°	266.9	263.9	262.2	261.3	261.0
27.5°	269.2	265.3	263.3	262.2	262.2
30°	273.2	268.1	265.3	263.9	263.6
32.5°	277.1	270.4	266.4	264.8	264.1
35°	279.1	270.4	265.6	262.8	262.2
37.5°	276.8	266.7	260.8	256.6	255.8
40°	269.8	259.1	252.6	248.7	248.1
42.5°	260.5	250.1	242.5	239.7	238.9
45°	247.9	235.4	227.9	223.9	224.2
47.5°	226.2	213.6	206.7	203.1	203.7
50°	200.6	188.2	182.3	178.3	179.2
52.5°	172.4	161.2	155.5	153.6	153.1
55°	142.9	134.2	130.3	128.0	127.2
57.5°	116.0	109.7	106.9	104.0	104.4
60°	91.4	88.3	87.5	84.4	84.1
62.5°	72.0	70.1	69.2	66.9	67.3
65°	54.6	54.0	54.6	53.2	53.8
66°	49.2	49.5	49.5	48.7	49.2
67.5°	42.5	43.0	43.9	43.0	43.6
70°	35.1	35.8	36.3	36.3	36.3
72.5°	30.7	31.2	31.5	31.5	31.5
75°	28.1	28.4	28.7	28.1	28.1
77.5°	26.4	26.4	25.9	25.6	25.3
80°	23.9	23.6	22.8	22.2	22.2
82.5°	20.0	19.4	18.9	18.0	18.0
85°	15.2	14.6	14.1	13.0	12.3
87.5°	7.9	8.2	7.9	6.4	5.6
90°	0.0	0.0	0.0	0.0	0.0

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