

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: P155416

Luminaire Tested: **VXS-F01-LED-E1-T3-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155416
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-T3-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2612.3 lumens
Efficiency: N/A
Efficacy: 100.9 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 (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



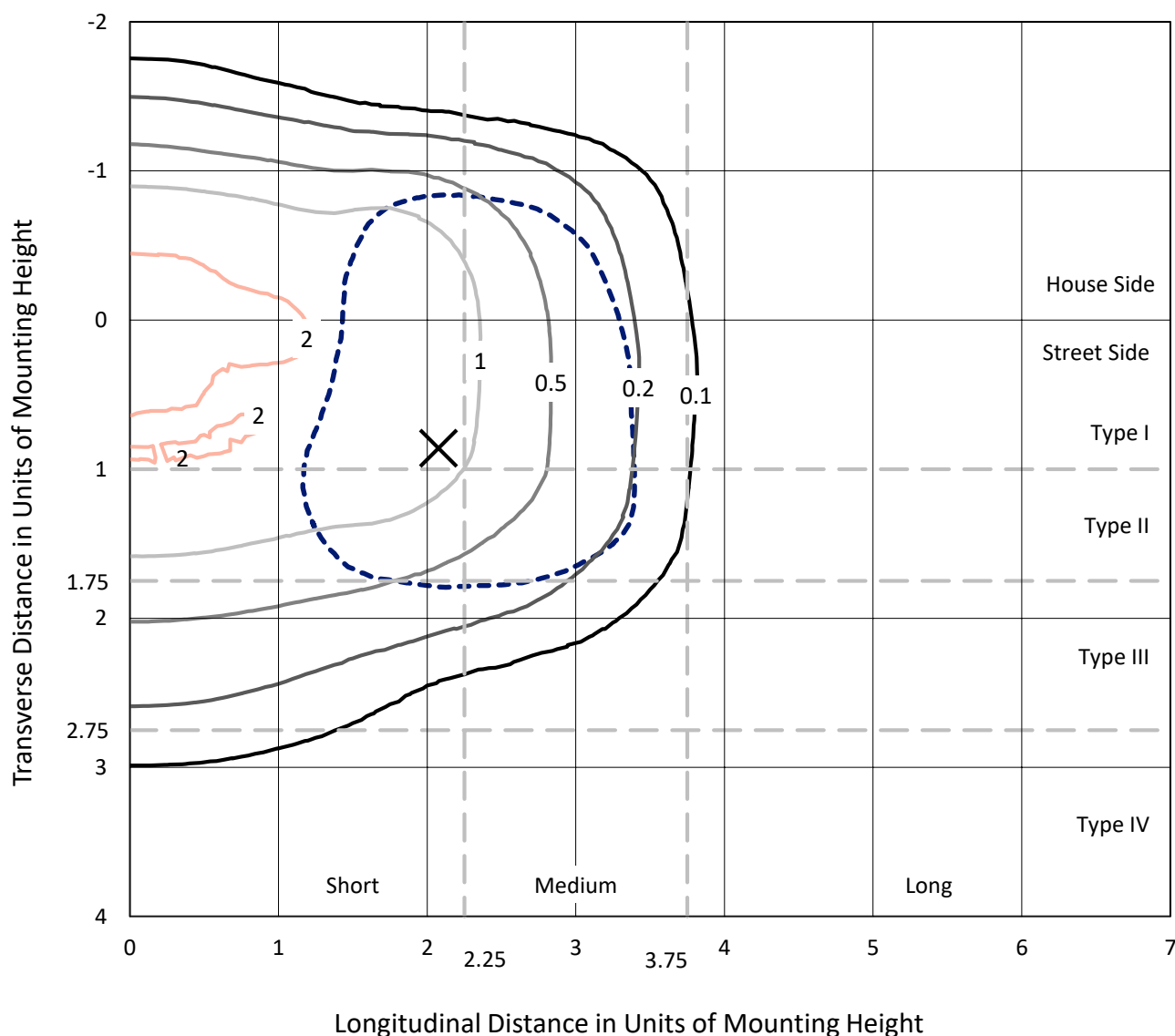
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

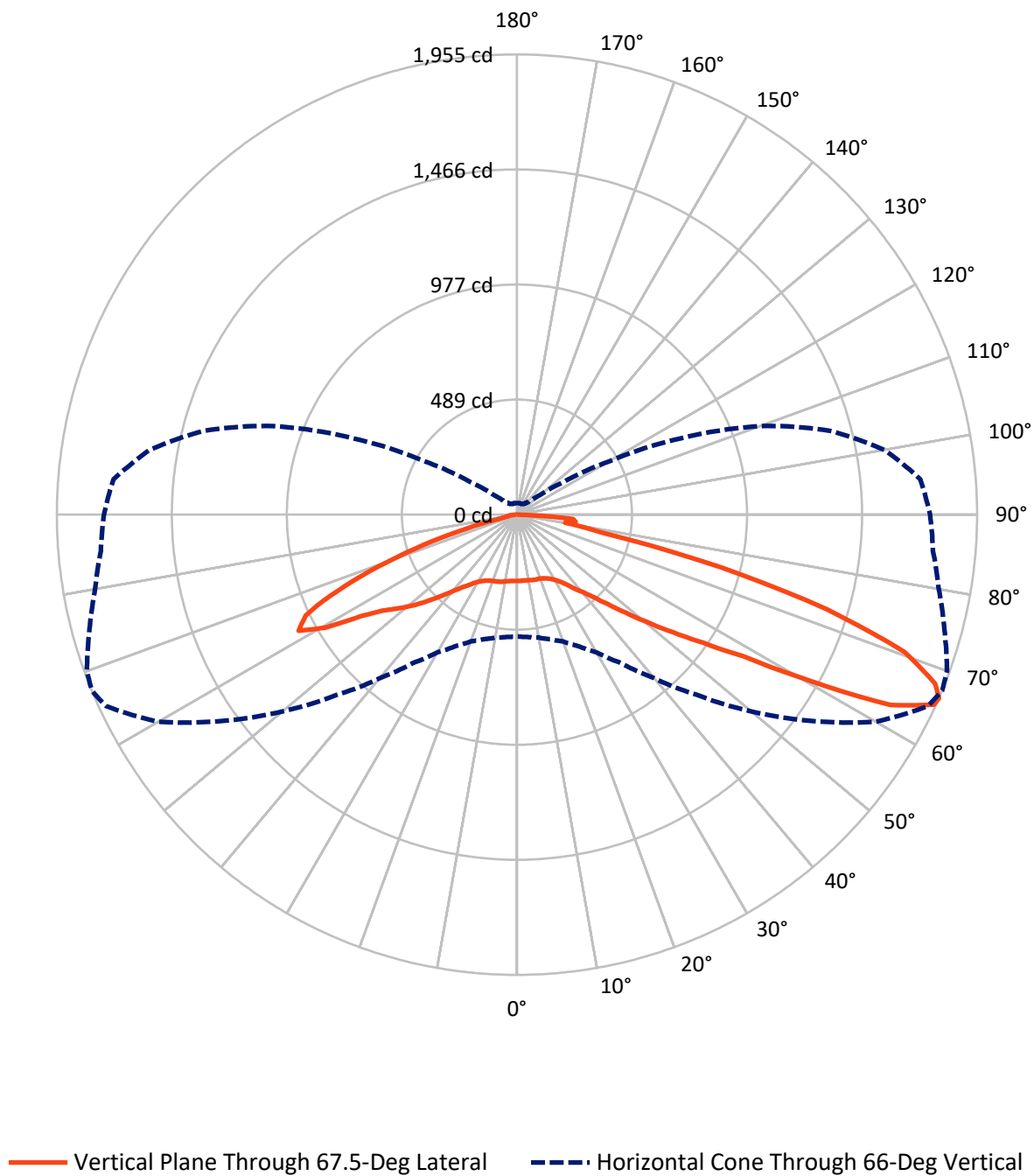


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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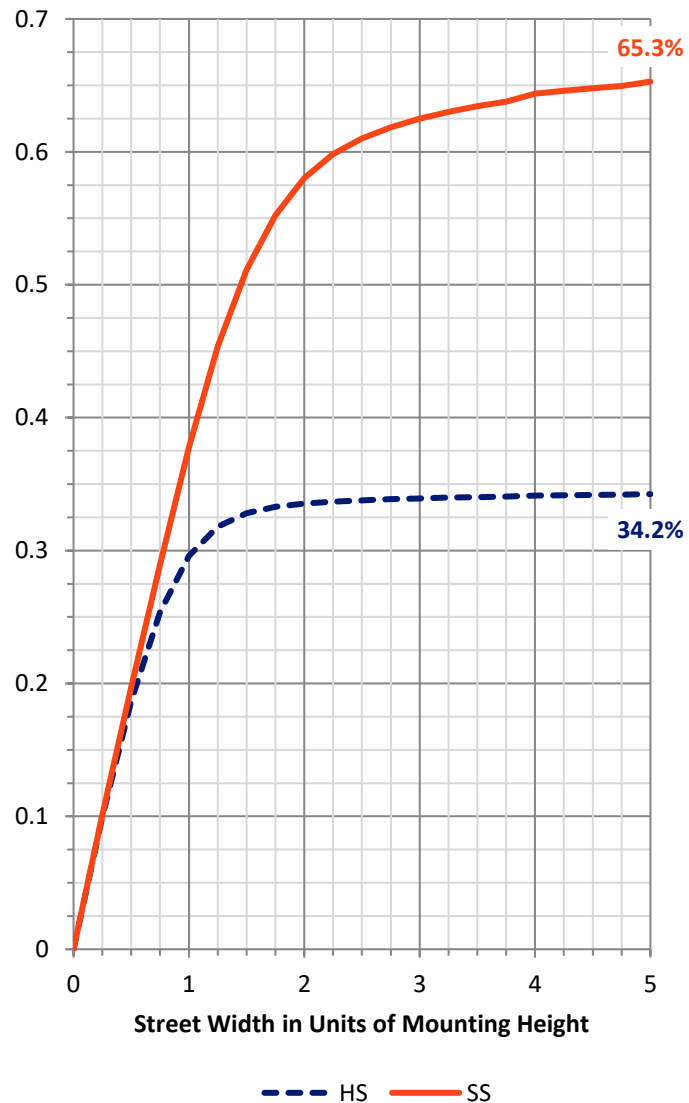
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	902.1	0.0	902.1
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1710.2	0.0	1710.2
	% Fixture	65.5	0.0	65.5
Total	Lumens	2612.3	0.0	2612.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	1.0
10°-20°	79.6	3.0
20°-30°	136.8	5.2
30°-40°	222.1	8.5
40°-50°	370.7	14.2
50°-60°	583.8	22.3
60°-70°	796.0	30.5
70°-80°	344.6	13.2
80°-90°	51.8	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°	2612.3	100.0
0°-180°	2612.3	100.0

Coefficient of Utilization



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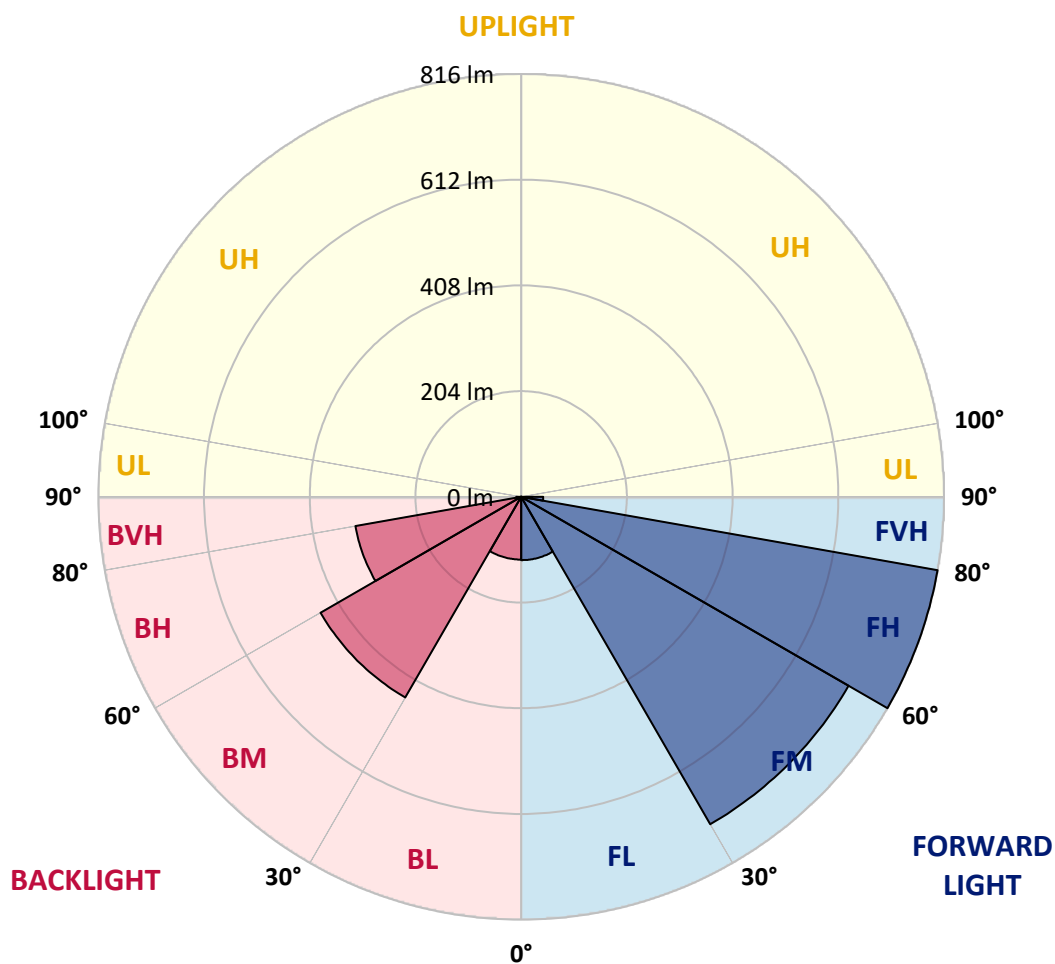
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.2	4.7			
FM	(30°-60°)	729.5	27.9			
FH	(60°-80°)	815.9	31.2			G1/1800
FVH	(80°-90°)	42.5	1.6			G1/100
BL	(0°-30°)	121.1	4.6	B1/500		
BM	(30°-60°)	447.0	17.1	B1/1000		
BH	(60°-80°)	324.7	12.4	B1/500		G1/500
BVH	(80°-90°)	9.3	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°	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6
2.5°	282.6	283.7	282.6	282.9	283.2	282.9	282.6	282.6	281.8	282.4	282.9
5°	281.6	282.4	282.1	282.4	282.6	282.4	282.1	282.4	281.8	282.1	282.9
7.5°	280.1	279.8	280.1	280.6	281.2	281.2	281.2	281.6	281.2	281.2	282.1
10°	275.9	276.2	276.7	277.5	277.8	278.7	278.7	279.6	279.8	280.4	281.6
12.5°	270.5	270.8	271.3	271.9	273.4	274.7	274.7	276.7	277.5	279.0	280.9
15°	266.5	266.8	267.4	268.0	269.1	270.5	271.3	273.6	275.0	277.5	280.4
17.5°	268.8	268.5	269.1	269.3	269.3	270.5	270.5	272.2	273.9	276.2	279.8
20°	275.3	275.3	275.9	275.9	275.5	276.2	275.0	275.0	275.3	276.5	279.0
22.5°	281.8	281.6	282.6	283.2	283.5	284.4	283.2	282.9	281.6	280.6	281.6
25°	288.0	287.8	289.1	289.9	291.4	292.2	292.2	292.2	291.1	289.7	288.8
27.5°	297.6	297.6	299.1	299.9	301.0	302.7	303.5	303.5	303.8	301.9	300.4
30°	313.7	314.0	314.3	315.4	316.5	317.1	318.2	319.1	319.9	318.8	316.5
32.5°	332.8	331.2	331.2	332.8	334.3	336.0	336.6	337.7	339.4	338.5	338.2
35°	355.8	355.2	354.6	355.2	356.9	358.9	361.1	363.1	362.0	363.6	362.8
37.5°	389.6	390.3	390.5	390.5	390.3	390.8	391.9	393.9	393.4	393.9	395.0
40°	445.6	443.6	441.7	441.9	439.1	439.6	435.1	437.1	437.4	435.4	436.3
42.5°	501.5	502.6	503.4	505.7	503.7	502.6	498.3	498.3	496.1	494.1	493.6
45°	561.9	564.1	564.5	568.9	567.3	570.9	574.0	573.2	569.5	569.2	565.3
47.5°	610.2	613.9	617.8	623.2	627.4	635.5	645.2	649.9	652.8	655.0	650.6
50°	646.3	648.0	658.1	666.6	676.0	689.5	702.8	720.0	733.9	740.3	746.5
52.5°	665.8	670.1	681.0	694.3	710.7	731.0	752.4	779.9	803.6	819.4	833.5
55°	670.1	674.3	686.7	703.6	725.9	753.4	784.1	821.3	857.0	887.5	917.1
57.5°	658.1	663.0	676.3	695.8	722.0	755.3	794.0	842.8	892.0	941.3	985.2
60°	636.5	642.4	654.5	673.7	702.8	740.3	786.6	847.9	916.8	992.5	1076.4
62.5°	600.6	606.8	618.0	639.3	669.2	710.7	764.4	840.6	938.0	1057.2	1205.9
65°	543.0	545.8	559.6	581.1	607.7	653.4	712.4	804.5	931.2	1097.0	1302.0
66°	517.0	521.8	530.3	547.5	573.0	615.9	675.1	768.6	905.5	1083.1	1299.4
67.5°	476.4	480.0	485.7	497.2	512.7	544.4	600.6	688.9	827.0	1013.1	1245.5
70°	385.2	386.8	394.4	398.4	403.7	414.2	434.5	485.4	593.0	767.8	1005.2
72.5°	262.6	267.4	275.5	286.8	301.6	315.6	325.3	331.8	354.9	458.0	669.7
75°	192.5	197.6	208.1	223.1	248.8	278.1	308.6	322.7	313.2	299.9	373.0
77.5°	111.8	118.5	127.4	141.8	165.5	204.5	256.7	303.0	334.3	336.3	319.4
80°	47.2	48.0	53.4	60.7	75.4	102.8	143.4	210.1	279.6	326.4	337.4
82.5°	10.8	13.3	16.9	20.0	24.6	33.9	50.3	83.6	151.1	236.9	308.9
85°	3.9	3.9	5.4	7.9	9.0	10.2	13.3	21.1	36.2	66.6	139.0
87.5°	0.0	0.3	0.5	0.5	1.1	1.5	2.3	3.1	2.8	2.6	8.5
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6
2.5°	282.4	282.1	281.6	281.6	281.6	281.6	280.9	281.2	280.6	280.9	280.9
5°	282.1	282.1	281.8	281.2	281.6	281.6	281.8	281.2	281.2	281.6	281.2
7.5°	282.1	281.8	281.8	281.8	282.1	281.8	282.1	282.1	282.1	282.4	282.4
10°	282.1	282.1	282.6	282.9	282.9	283.2	284.0	284.0	284.4	284.7	285.2
12.5°	282.4	283.5	284.4	285.2	285.5	286.0	287.5	287.5	288.0	288.8	289.1
15°	282.6	284.4	286.0	286.6	287.2	288.3	289.7	290.3	291.1	291.9	292.5
17.5°	282.4	284.7	286.6	287.5	288.3	289.7	291.4	291.9	293.1	294.2	295.3
20°	282.1	285.2	288.3	289.4	290.6	292.5	294.8	296.2	297.3	299.1	300.1
22.5°	283.7	287.5	291.7	293.4	295.3	297.9	301.0	302.7	304.1	305.8	306.6
25°	289.1	291.9	297.0	299.9	302.4	306.6	310.9	312.8	314.5	316.0	316.3
27.5°	298.1	299.1	305.2	308.9	312.5	319.4	324.5	325.8	328.9	330.1	329.8
30°	312.8	311.4	316.5	322.2	327.6	336.9	343.1	346.7	349.5	349.5	347.3
32.5°	334.0	331.8	333.2	339.7	345.9	359.5	366.7	371.6	373.6	373.0	368.2
35°	361.7	360.3	359.5	364.6	374.4	390.3	399.8	402.4	405.5	404.9	398.7
37.5°	394.4	393.4	393.4	399.3	408.8	432.3	442.7	444.5	444.1	439.6	428.1
40°	433.2	432.5	430.1	433.5	441.7	472.1	486.2	488.5	485.4	478.0	464.5
42.5°	488.8	485.4	477.5	479.5	485.7	515.3	533.7	539.9	536.8	529.4	507.4
45°	561.3	557.6	544.4	542.7	546.1	572.0	595.8	597.2	596.6	587.4	561.3
47.5°	646.6	640.9	626.8	622.3	621.1	645.2	668.1	670.4	668.9	655.0	620.3
50°	739.0	730.8	721.5	718.3	713.8	731.0	754.2	754.5	748.8	729.6	697.1
52.5°	837.5	834.6	833.0	829.8	827.9	842.8	857.0	848.5	840.0	820.0	791.7
55°	936.9	948.4	960.3	961.5	964.9	980.9	980.6	957.5	951.3	940.2	912.3
57.5°	1042.5	1085.4	1122.7	1134.2	1145.5	1175.4	1172.6	1149.7	1141.9	1128.3	1105.2
60°	1186.2	1302.0	1409.5	1435.2	1453.1	1488.9	1485.5	1450.2	1466.5	1465.5	1435.5
62.5°	1387.5	1580.1	1741.3	1780.8	1793.3	1797.2	1775.8	1737.6	1753.7	1771.8	1679.8
65°	1523.9	1750.4	1915.8	1946.3	1948.0	1900.8	1853.2	1808.2	1804.2	1788.7	1657.2
66°	1527.0	1758.9	1924.9	1954.5	1944.0	1879.7	1819.3	1774.1	1754.6	1720.4	1584.0
67.5°	1472.2	1706.0	1884.8	1916.1	1893.3	1802.0	1718.8	1660.5	1622.4	1567.0	1446.8
70°	1236.5	1468.3	1688.5	1746.9	1754.3	1618.2	1502.7	1434.4	1383.0	1307.0	1203.4
72.5°	919.4	1128.9	1323.1	1379.1	1407.6	1298.9	1201.5	1149.4	1079.2	999.3	925.6
75°	576.3	724.2	854.4	893.7	866.8	782.7	724.2	702.5	633.4	585.6	552.0
77.5°	329.5	375.9	386.2	371.3	339.7	260.1	185.0	137.0	118.9	131.6	145.2
80°	321.7	294.8	234.9	206.7	187.3	128.7	75.6	51.9	43.2	44.4	48.0
82.5°	348.4	373.9	307.8	251.0	210.7	142.3	78.4	41.8	28.2	33.4	37.5
85°	226.4	315.1	283.7	239.2	193.7	121.7	64.7	21.8	14.4	19.0	26.0
87.5°	22.9	25.2	21.5	29.1	21.8	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°	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6	281.6
2.5°	281.2	281.2	281.6	281.8	282.1	282.4	282.4	282.4	282.4	282.9	282.6
5°	281.8	282.4	282.9	283.2	283.7	283.7	284.7	284.4	284.4	285.2	285.5
7.5°	282.9	283.7	284.9	284.7	285.7	285.5	286.0	286.0	285.2	285.5	284.9
10°	285.5	286.6	287.2	286.3	286.6	285.5	285.2	283.7	282.1	281.2	280.1
12.5°	289.7	290.9	290.9	289.4	287.8	285.2	283.2	280.1	277.5	276.2	274.7
15°	293.4	294.5	294.2	291.9	289.4	285.5	282.6	279.0	275.3	273.1	271.6
17.5°	296.2	296.8	296.0	292.8	289.9	286.3	283.5	279.6	275.3	272.4	269.9
20°	300.4	299.9	297.9	293.9	290.9	287.5	285.2	281.8	277.0	273.4	269.6
22.5°	306.6	304.4	300.7	296.5	293.4	290.3	288.0	284.4	279.6	275.0	270.8
25°	314.8	310.4	305.2	300.7	297.9	294.5	291.9	288.0	282.9	277.8	272.7
27.5°	326.7	318.8	312.3	308.3	305.2	301.0	297.9	292.8	287.5	281.6	275.9
30°	340.0	329.2	323.0	319.9	316.5	312.0	307.3	300.7	294.5	288.0	281.2
32.5°	357.2	344.1	338.2	335.1	330.7	325.0	319.4	312.0	303.2	294.8	286.6
35°	379.8	366.5	360.3	355.4	349.3	342.0	333.8	323.8	312.0	300.7	290.3
37.5°	404.0	389.6	383.7	378.7	369.3	359.7	348.2	333.8	317.6	302.7	289.7
40°	434.8	421.6	413.9	405.2	394.2	377.5	359.5	338.5	317.9	299.6	284.4
42.5°	473.8	460.5	449.2	435.4	416.2	390.5	364.8	337.7	312.8	291.9	275.5
45°	525.5	509.3	489.8	465.6	434.5	398.7	365.1	332.3	303.2	280.1	262.6
47.5°	588.7	564.1	532.2	491.3	446.7	400.9	360.6	321.7	288.3	263.1	243.6
50°	663.8	625.2	572.6	512.4	453.0	397.5	349.3	305.5	267.2	240.3	217.1
52.5°	749.6	686.4	609.0	527.8	452.6	386.2	330.1	281.2	239.5	209.5	187.5
55°	850.5	756.5	646.6	539.1	444.7	365.4	300.7	247.0	205.3	177.6	157.3
57.5°	998.1	869.9	712.1	556.6	428.9	333.2	260.9	206.1	169.4	143.1	125.9
60°	1268.1	1059.4	830.2	591.8	404.7	286.0	214.3	162.4	131.6	110.4	98.9
62.5°	1471.4	1205.9	894.0	583.9	355.8	227.9	159.0	118.3	96.9	82.5	75.1
65°	1442.3	1160.5	825.9	502.9	279.0	160.6	105.6	80.5	66.6	59.9	55.6
66°	1376.5	1101.2	766.8	452.6	241.1	133.6	86.9	67.5	57.3	52.5	49.7
67.5°	1251.7	991.1	661.2	371.0	185.2	96.9	65.5	53.4	46.6	44.7	42.6
70°	1040.5	790.4	464.2	216.0	94.6	53.9	41.6	37.3	35.5	35.3	34.7
72.5°	797.4	559.4	273.4	102.2	49.1	35.9	32.2	30.8	30.3	30.3	30.5
75°	488.8	314.3	120.8	49.9	34.4	30.3	28.5	28.0	27.7	28.0	27.7
77.5°	163.2	100.0	51.7	37.8	31.3	28.0	26.8	26.2	26.2	26.2	26.2
80°	49.9	43.5	39.5	35.0	29.6	26.5	24.9	24.6	24.9	25.2	24.2
82.5°	37.5	35.5	33.4	31.1	26.8	23.7	23.1	23.1	23.1	22.3	21.1
85°	27.7	27.4	22.6	21.1	19.8	19.8	19.8	19.8	19.0	17.5	16.4
87.5°	5.1	4.8	5.1	5.4	7.9	8.5	8.5	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°	281.6	281.6	281.6	281.6	281.6
2.5°	282.6	282.4	283.2	282.6	282.9
5°	285.2	284.9	285.5	284.9	285.7
7.5°	284.4	283.7	283.5	283.7	284.0
10°	278.4	277.8	277.5	277.3	277.5
12.5°	273.4	272.2	272.2	271.6	271.9
15°	269.6	268.8	268.5	268.0	268.3
17.5°	268.0	266.5	266.0	265.4	265.4
20°	266.8	265.2	264.2	263.7	263.4
22.5°	266.8	264.2	263.1	262.6	262.3
25°	268.0	264.9	263.1	262.3	262.1
27.5°	270.3	266.2	264.2	263.1	263.1
30°	274.2	269.1	266.2	264.9	264.6
32.5°	278.1	271.3	267.4	265.7	265.2
35°	280.1	271.3	266.5	263.7	263.1
37.5°	277.8	267.7	261.8	257.5	256.7
40°	270.8	260.1	253.6	249.6	249.0
42.5°	261.5	251.0	243.4	240.5	239.7
45°	248.8	236.4	228.7	224.8	225.1
47.5°	227.0	214.3	207.6	203.8	204.5
50°	201.3	188.9	183.0	179.0	179.9
52.5°	173.1	161.8	156.2	154.2	153.6
55°	143.4	134.7	130.8	128.5	127.7
57.5°	116.4	110.2	107.3	104.5	104.8
60°	91.8	88.7	87.8	84.7	84.5
62.5°	72.3	70.3	69.4	67.2	67.5
65°	54.8	54.2	54.8	53.4	53.9
66°	49.4	49.7	49.7	48.8	49.4
67.5°	42.6	43.2	44.0	43.2	43.7
70°	35.3	35.9	36.4	36.4	36.4
72.5°	30.8	31.3	31.6	31.6	31.6
75°	28.2	28.5	28.8	28.2	28.2
77.5°	26.5	26.5	26.0	25.7	25.4
80°	24.0	23.7	22.9	22.3	22.3
82.5°	20.0	19.5	19.0	18.0	18.0
85°	15.2	14.7	14.1	13.0	12.4
87.5°	7.9	8.2	7.9	6.5	5.6
90°	0.0	0.0	0.0	0.0	0.0

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