

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: STREETWORKS

Report Number: P155815

Luminaire Tested: **AVS-F01-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155815
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F01-LED-E-U-T3
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2545.9 lumens
Efficiency: N/A
Efficacy: 98.3 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: 28.75 FT

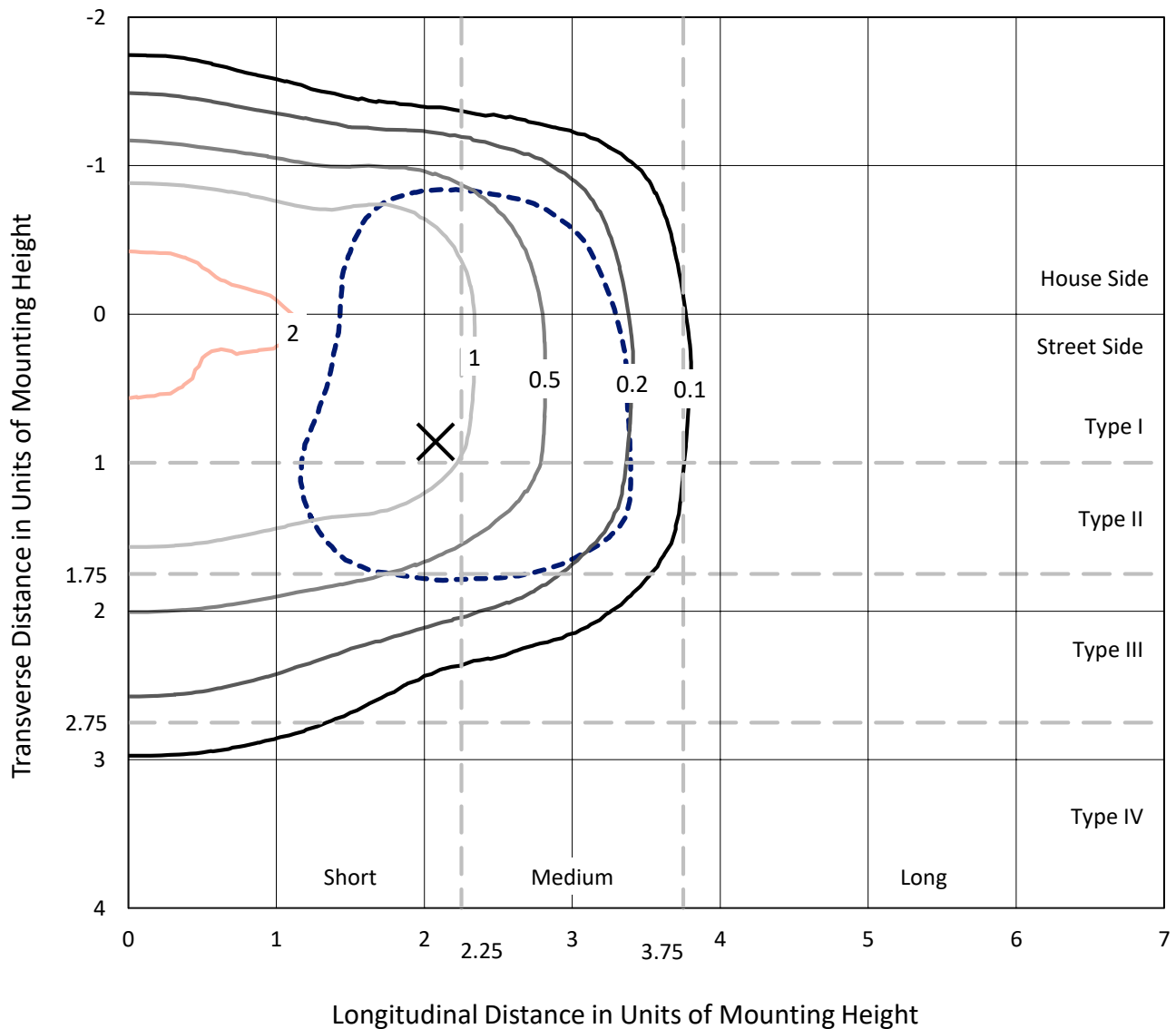


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

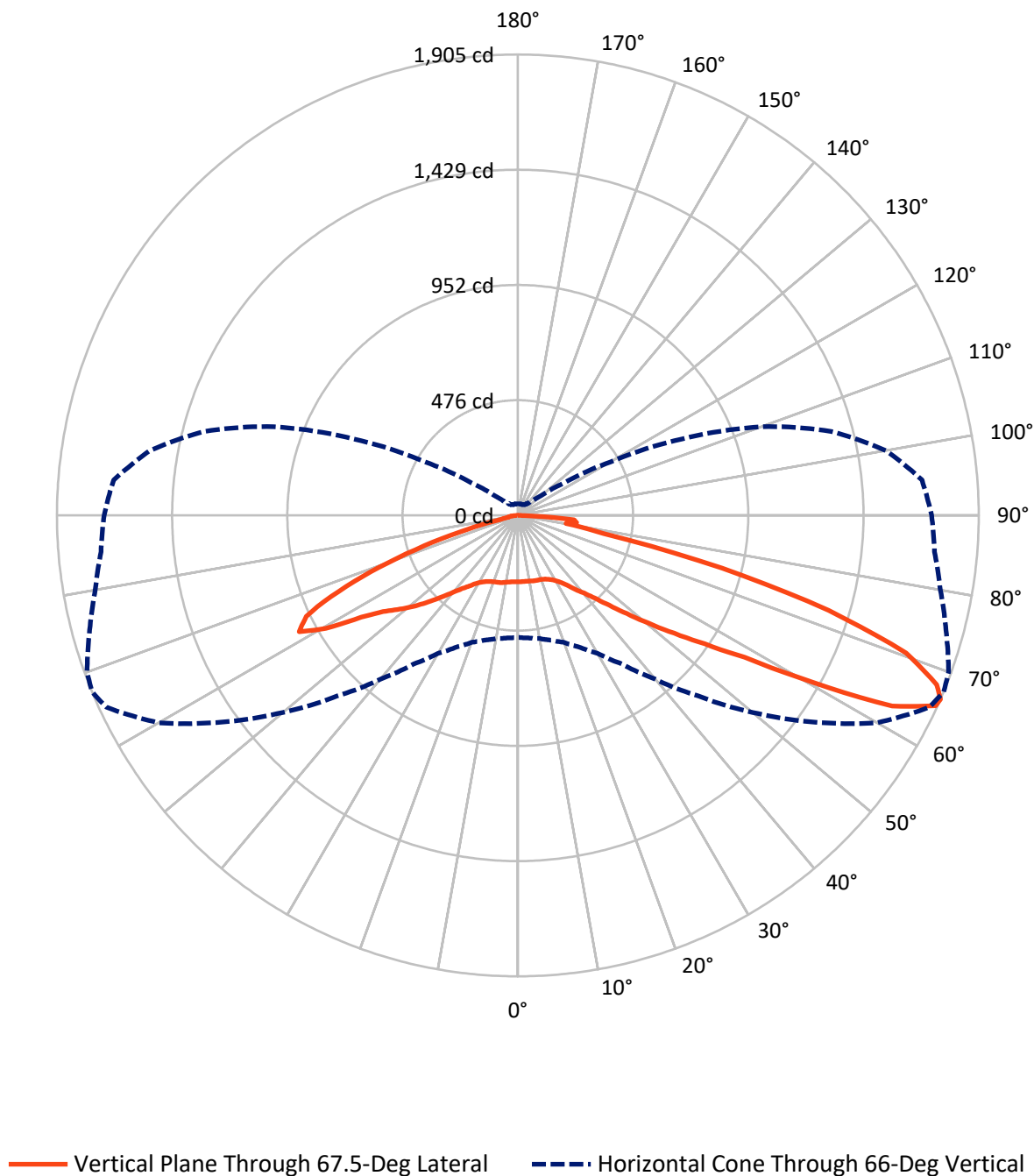


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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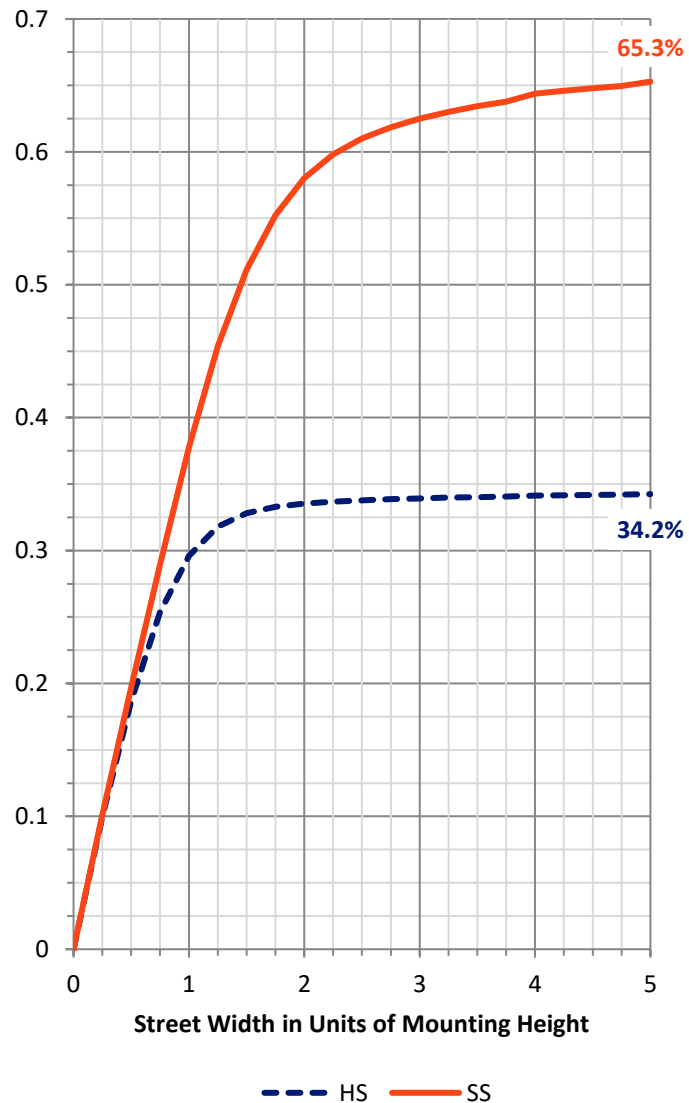
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	879.2	0.0	879.2
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1666.7	0.0	1666.7
	% Fixture	65.5	0.0	65.5
Total	Lumens	2545.9	0.0	2545.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	1.0
10°-20°	77.5	3.0
20°-30°	133.3	5.2
30°-40°	216.4	8.5
40°-50°	361.3	14.2
50°-60°	568.9	22.3
60°-70°	775.8	30.5
70°-80°	335.8	13.2
80°-90°	50.5	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°	2545.9	100.0
0°-180°	2545.9	100.0

Coefficient of Utilization



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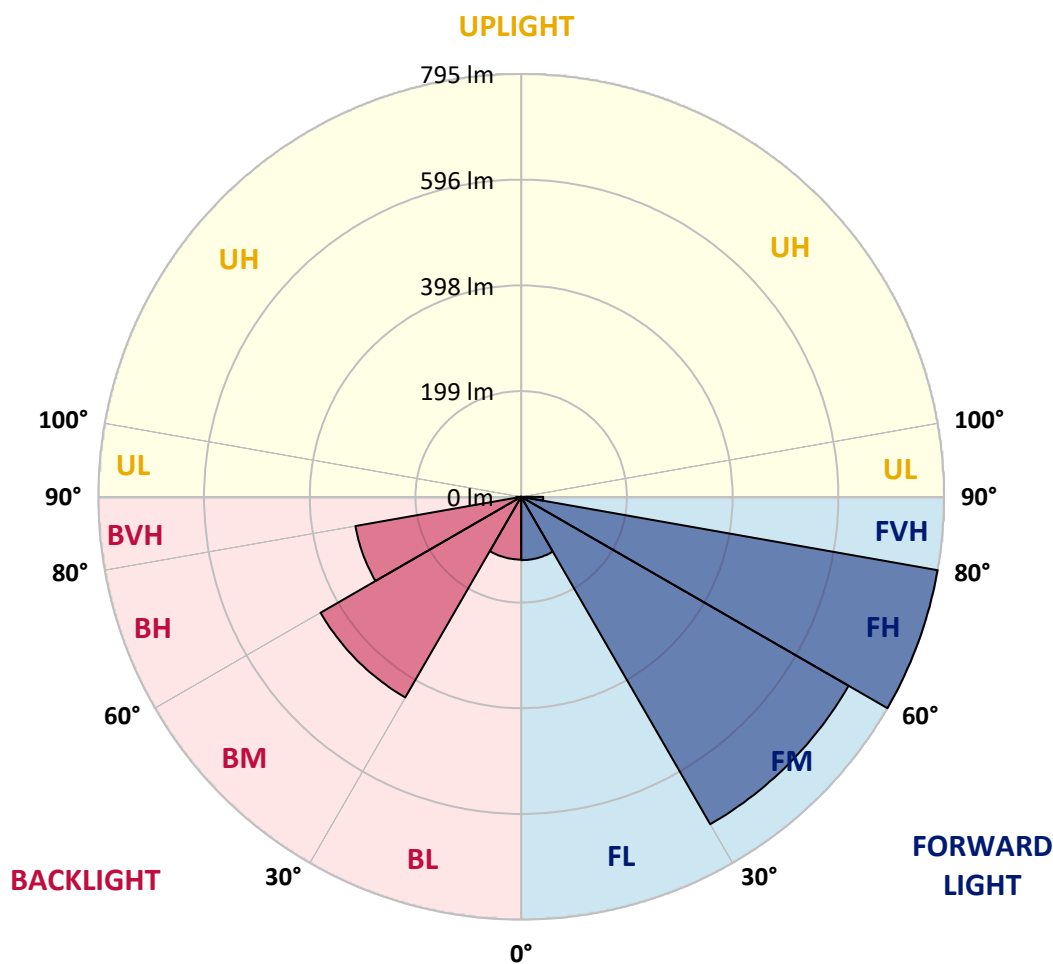
CATALOG NUMBER: AVS-F01-LED-E-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.1	4.7			
FM	(30°-60°)	711.0	27.9			
FH	(60°-80°)	795.2	31.2			G1/1800
FVH	(80°-90°)	41.5	1.6			G1/100
BL	(0°-30°)	118.0	4.6	B1/500		
BM	(30°-60°)	435.7	17.1	B1/1000		
BH	(60°-80°)	316.5	12.4	B1/500		G1/500
BVH	(80°-90°)	9.0	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°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3
2.5°	275.4	276.6	275.4	275.8	276.0	275.8	275.4	275.4	274.6	275.1	275.8
5°	274.3	275.1	274.9	275.1	275.4	275.1	274.9	275.1	274.6	274.9	275.8
7.5°	273.0	272.7	273.0	273.6	274.1	274.1	274.1	274.3	274.1	274.1	274.9
10°	268.8	269.1	269.6	270.5	270.8	271.6	271.6	272.4	272.7	273.3	274.3
12.5°	263.6	263.9	264.5	265.0	266.3	267.8	267.8	269.6	270.5	271.9	273.8
15°	259.8	260.0	260.6	261.1	262.3	263.6	264.5	266.6	268.0	270.5	273.3
17.5°	262.0	261.7	262.3	262.5	262.5	263.6	263.6	265.3	266.9	269.1	272.7
20°	268.3	268.3	268.8	268.8	268.6	269.1	268.0	268.0	268.3	269.4	271.9
22.5°	274.6	274.3	275.4	276.0	276.3	277.1	276.0	275.8	274.3	273.6	274.3
25°	280.7	280.4	281.8	282.6	283.9	284.8	284.8	284.8	283.7	282.3	281.6
27.5°	290.1	290.1	291.4	292.2	293.4	295.0	295.9	295.9	296.1	294.2	292.7
30°	305.7	306.0	306.3	307.4	308.5	309.0	310.2	311.0	311.8	310.7	308.5
32.5°	324.5	322.8	322.8	324.5	325.8	327.5	328.0	329.1	330.8	329.9	329.6
35°	346.7	346.2	345.6	346.2	347.8	349.7	351.9	353.9	352.7	354.4	353.6
37.5°	379.8	380.3	380.5	380.5	380.3	380.8	382.0	383.8	383.3	383.8	385.0
40°	434.2	432.3	430.4	430.7	427.9	428.5	424.0	426.0	426.2	424.4	425.2
42.5°	488.7	489.8	490.7	492.8	490.9	489.8	485.7	485.7	483.5	481.6	481.0
45°	547.6	549.8	550.1	554.5	552.8	556.4	559.5	558.7	555.0	554.7	550.9
47.5°	594.6	598.2	602.1	607.4	611.4	619.4	628.8	633.5	636.2	638.4	634.0
50°	629.8	631.5	641.5	649.6	658.8	672.0	684.9	701.7	715.1	721.6	727.6
52.5°	648.9	653.0	663.7	676.7	692.6	712.4	733.4	760.0	783.1	798.5	812.3
55°	653.0	657.1	669.2	685.7	707.5	734.2	764.1	800.5	835.1	864.9	893.8
57.5°	641.5	646.1	659.1	678.0	703.6	736.1	773.8	821.3	869.3	917.4	960.1
60°	620.2	626.0	637.8	656.6	684.9	721.6	766.6	826.3	893.5	967.3	1049.0
62.5°	585.3	591.4	602.4	623.0	652.1	692.6	744.9	819.2	914.1	1030.3	1175.2
65°	529.1	531.9	545.4	566.3	592.2	636.8	694.3	783.9	907.6	1069.0	1268.8
66°	503.8	508.5	516.8	533.6	558.3	600.2	657.9	749.0	882.5	1055.5	1266.3
67.5°	464.2	467.8	473.3	484.6	499.7	530.6	585.3	671.4	806.0	987.4	1213.8
70°	375.3	377.0	384.5	388.3	393.5	403.7	423.5	473.1	577.8	748.2	979.6
72.5°	256.0	260.6	268.6	279.6	293.9	307.7	317.0	323.3	345.9	446.3	652.7
75°	187.7	192.6	202.8	217.4	242.4	271.1	300.7	314.5	305.2	292.2	363.5
77.5°	109.0	115.5	124.1	138.1	161.2	199.3	250.2	295.2	325.8	327.8	311.2
80°	45.9	46.7	52.0	59.2	73.5	100.2	139.8	204.8	272.4	318.1	328.8
82.5°	10.5	13.0	16.5	19.6	23.9	33.1	49.0	81.5	147.3	230.9	301.0
85°	3.8	3.8	5.2	7.7	8.8	9.9	13.0	20.6	35.2	65.0	135.3
87.5°	0.0	0.3	0.5	0.5	1.1	1.3	2.2	3.0	2.8	2.5	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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3
2.5°	275.1	274.9	274.3	274.3	274.3	274.3	273.8	274.1	273.6	273.8	273.8
5°	274.9	274.9	274.6	274.1	274.3	274.3	274.6	274.1	274.1	274.3	274.1
7.5°	274.9	274.6	274.6	274.6	274.9	274.6	274.9	274.9	274.9	275.1	275.1
10°	274.9	274.9	275.4	275.8	275.8	276.0	276.8	276.8	277.1	277.4	277.9
12.5°	275.1	276.3	277.1	277.9	278.2	278.8	280.1	280.1	280.7	281.6	281.8
15°	275.4	277.1	278.8	279.3	279.9	280.9	282.3	282.9	283.7	284.6	285.1
17.5°	275.1	277.4	279.3	280.1	280.9	282.3	283.9	284.6	285.6	286.7	287.9
20°	274.9	277.9	280.9	282.1	283.1	285.1	287.3	288.7	289.7	291.4	292.5
22.5°	276.6	280.1	284.2	285.9	287.9	290.3	293.4	295.0	296.4	298.0	298.9
25°	281.8	284.6	289.5	292.2	294.7	298.9	303.0	304.9	306.5	307.9	308.2
27.5°	290.6	291.4	297.5	301.0	304.7	311.2	316.2	317.5	320.6	321.7	321.5
30°	304.9	303.5	308.5	314.0	319.2	328.3	334.3	337.9	340.6	340.6	338.4
32.5°	325.5	323.3	324.7	331.0	337.1	350.3	357.4	362.2	364.0	363.5	358.9
35°	352.5	351.1	350.3	355.2	364.9	380.3	389.6	392.1	395.1	394.6	388.5
37.5°	384.5	383.3	383.3	389.1	398.4	421.2	431.5	433.2	432.8	428.5	417.2
40°	422.1	421.6	419.1	422.4	430.4	460.1	473.9	476.1	473.1	465.9	452.6
42.5°	476.4	473.1	465.3	467.3	473.3	502.2	520.1	526.1	523.1	516.0	494.5
45°	547.0	543.4	530.6	528.9	532.2	557.5	580.6	582.0	581.5	572.3	547.0
47.5°	630.2	624.7	610.9	606.5	605.4	628.8	651.1	653.3	651.9	638.4	604.6
50°	720.1	712.1	703.1	700.0	695.6	712.4	735.0	735.2	729.7	711.1	679.4
52.5°	816.2	813.4	811.8	808.7	806.8	821.3	835.1	826.9	818.7	799.1	771.6
55°	913.1	924.4	935.9	937.0	940.3	956.0	955.6	933.2	927.0	916.4	889.1
57.5°	1016.0	1057.8	1094.1	1105.4	1116.4	1145.6	1142.8	1120.5	1112.8	1099.6	1077.0
60°	1156.0	1268.8	1373.7	1398.8	1416.1	1451.0	1447.7	1413.3	1429.2	1428.2	1399.0
62.5°	1352.2	1539.9	1697.0	1735.5	1747.7	1751.5	1730.6	1693.5	1709.1	1726.7	1637.0
65°	1485.1	1705.8	1867.0	1896.8	1898.4	1852.4	1806.0	1762.2	1758.3	1743.2	1615.0
66°	1488.2	1714.1	1875.9	1904.8	1894.6	1831.8	1773.0	1728.9	1709.9	1676.7	1543.7
67.5°	1434.7	1662.6	1836.8	1867.4	1845.1	1756.2	1675.0	1618.3	1581.1	1527.3	1409.9
70°	1205.0	1430.9	1645.6	1702.5	1709.6	1577.0	1464.5	1397.9	1347.8	1273.8	1172.7
72.5°	896.0	1100.1	1289.4	1343.9	1371.7	1265.8	1170.9	1120.2	1051.7	973.9	902.1
75°	561.7	705.8	832.6	870.9	844.8	762.8	705.8	684.7	617.2	570.7	537.9
77.5°	321.1	366.2	376.5	361.9	331.0	253.5	180.2	133.5	115.9	128.2	141.5
80°	313.5	287.3	228.9	201.5	182.5	125.5	73.8	50.7	42.1	43.2	46.7
82.5°	339.6	364.4	299.9	244.7	205.3	138.7	76.5	40.7	27.6	32.4	36.6
85°	220.7	307.0	276.6	233.1	188.8	118.5	63.0	21.1	14.0	18.4	25.3
87.5°	22.3	24.5	20.9	28.4	21.1	9.9	5.0	3.0	2.8	3.3	5.0
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°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3
2.5°	274.1	274.1	274.3	274.6	274.9	275.1	275.1	275.1	275.1	275.8	275.4
5°	274.6	275.1	275.8	276.0	276.6	276.6	277.4	277.1	277.1	277.9	278.2
7.5°	275.8	276.6	277.6	277.4	278.4	278.2	278.8	278.8	277.9	278.2	277.6
10°	278.2	279.3	279.9	279.1	279.3	278.2	277.9	276.6	274.9	274.1	273.0
12.5°	282.3	283.4	283.4	282.1	280.4	277.9	276.0	273.0	270.5	269.1	267.8
15°	285.9	287.0	286.7	284.6	282.1	278.2	275.4	271.9	268.3	266.1	264.8
17.5°	288.7	289.2	288.4	285.4	282.6	279.1	276.3	272.4	268.3	265.5	263.1
20°	292.7	292.2	290.3	286.4	283.4	280.1	277.9	274.6	269.9	266.3	262.8
22.5°	298.9	296.7	293.1	288.9	285.9	282.9	280.7	277.1	272.4	268.0	263.9
25°	306.8	302.4	297.5	293.1	290.3	287.0	284.6	280.7	275.8	270.8	265.8
27.5°	318.3	310.7	304.4	300.5	297.5	293.4	290.3	285.4	280.1	274.3	268.8
30°	331.3	320.8	314.8	311.8	308.5	304.0	299.4	293.1	287.0	280.7	274.1
32.5°	348.1	335.4	329.6	326.6	322.3	316.7	311.2	304.0	295.5	287.3	279.3
35°	370.2	357.2	351.1	346.4	340.4	333.3	325.3	315.6	304.0	293.1	282.9
37.5°	393.8	379.8	374.0	369.0	359.9	350.6	339.3	325.3	309.5	295.0	282.3
40°	423.7	410.9	403.4	394.9	384.1	367.9	350.3	329.9	309.8	291.9	277.1
42.5°	461.8	448.8	437.8	424.4	405.6	380.5	355.5	329.1	304.9	284.6	268.6
45°	512.1	496.4	477.4	453.8	423.5	388.5	355.8	323.8	295.5	273.0	256.0
47.5°	573.8	549.8	518.8	478.8	435.3	390.8	351.4	313.5	280.9	256.5	237.5
50°	646.9	609.2	558.0	499.5	441.3	387.5	340.4	297.7	260.3	234.2	211.6
52.5°	730.6	668.9	593.6	514.3	441.1	376.5	321.7	274.1	233.4	204.1	182.7
55°	828.8	737.2	630.2	525.3	433.4	356.1	293.1	240.8	200.1	173.1	153.3
57.5°	972.7	847.8	694.0	542.4	418.0	324.7	254.3	200.8	165.1	139.5	122.7
60°	1235.9	1032.4	809.0	576.8	394.3	278.8	208.8	158.2	128.2	107.6	96.3
62.5°	1433.9	1175.2	871.2	569.0	346.7	222.1	154.9	115.3	94.4	80.3	73.2
65°	1405.6	1131.0	804.9	490.1	271.9	156.6	102.9	78.4	65.0	58.3	54.2
66°	1341.5	1073.2	747.4	441.1	235.0	130.2	84.8	65.8	55.9	51.2	48.4
67.5°	1219.9	965.9	644.5	361.6	180.5	94.4	63.8	52.0	45.4	43.5	41.6
70°	1014.0	770.3	452.4	210.5	92.2	52.5	40.4	36.4	34.7	34.4	33.9
72.5°	777.1	545.1	266.3	99.6	47.9	34.9	31.4	29.9	29.4	29.4	29.7
75°	476.4	306.3	117.8	48.7	33.6	29.4	27.8	27.3	26.9	27.3	26.9
77.5°	159.1	97.4	50.4	36.9	30.6	27.3	26.1	25.6	25.6	25.6	25.6
80°	48.7	42.4	38.5	34.1	28.9	25.9	24.2	23.9	24.2	24.5	23.6
82.5°	36.6	34.7	32.4	30.3	26.1	23.1	22.6	22.6	22.6	21.8	20.6
85°	26.9	26.7	22.0	20.6	19.3	19.3	19.3	19.3	18.4	17.1	16.0
87.5°	5.0	4.7	5.0	5.2	7.7	8.3	8.3	8.8	9.6	9.1	9.1
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):

	160°	165°	170°	175°	180°
0°	274.3	274.3	274.3	274.3	274.3
2.5°	275.4	275.1	276.0	275.4	275.8
5°	277.9	277.6	278.2	277.6	278.4
7.5°	277.1	276.6	276.3	276.6	276.8
10°	271.3	270.8	270.5	270.3	270.5
12.5°	266.3	265.3	265.3	264.8	265.0
15°	262.8	262.0	261.7	261.1	261.5
17.5°	261.1	259.8	259.2	258.7	258.7
20°	260.0	258.3	257.5	257.0	256.8
22.5°	260.0	257.5	256.5	256.0	255.6
25°	261.1	258.1	256.5	255.6	255.3
27.5°	263.3	259.5	257.5	256.5	256.5
30°	267.2	262.3	259.5	258.1	257.8
32.5°	271.1	264.5	260.6	259.0	258.3
35°	273.0	264.5	259.8	257.0	256.5
37.5°	270.8	260.8	255.1	251.0	250.2
40°	263.9	253.5	247.2	243.2	242.7
42.5°	254.8	244.7	237.2	234.4	233.6
45°	242.4	230.4	222.9	219.1	219.3
47.5°	221.2	208.8	202.3	198.7	199.3
50°	196.2	184.0	178.3	174.5	175.3
52.5°	168.7	157.7	152.1	150.3	149.7
55°	139.8	131.3	127.4	125.2	124.4
57.5°	113.4	107.4	104.6	101.9	102.1
60°	89.4	86.4	85.6	82.6	82.3
62.5°	70.5	68.5	67.7	65.5	65.8
65°	53.4	52.8	53.4	52.0	52.5
66°	48.2	48.4	48.4	47.6	48.2
67.5°	41.6	42.1	42.9	42.1	42.7
70°	34.4	34.9	35.5	35.5	35.5
72.5°	29.9	30.6	30.8	30.8	30.8
75°	27.6	27.8	28.1	27.6	27.6
77.5°	25.9	25.9	25.3	25.1	24.8
80°	23.4	23.1	22.3	21.8	21.8
82.5°	19.6	19.0	18.4	17.6	17.6
85°	14.8	14.3	13.8	12.6	12.1
87.5°	7.7	8.0	7.7	6.3	5.5
90°	0.0	0.0	0.0	0.0	0.0

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