

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: P156855

Luminaire Tested: **AVS-F01-LED-E-U-T4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156855
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
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-T4
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2494.8 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

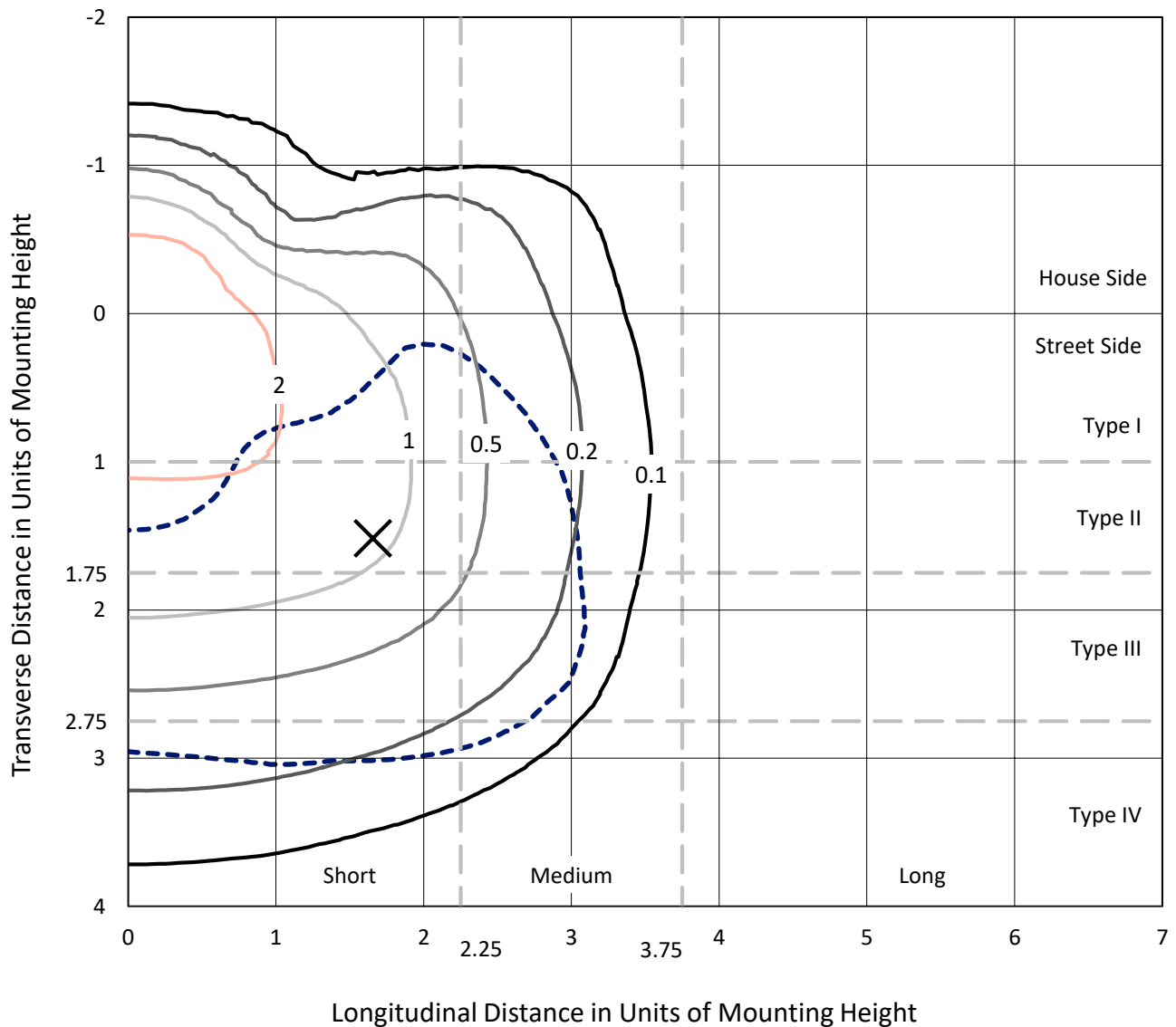
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

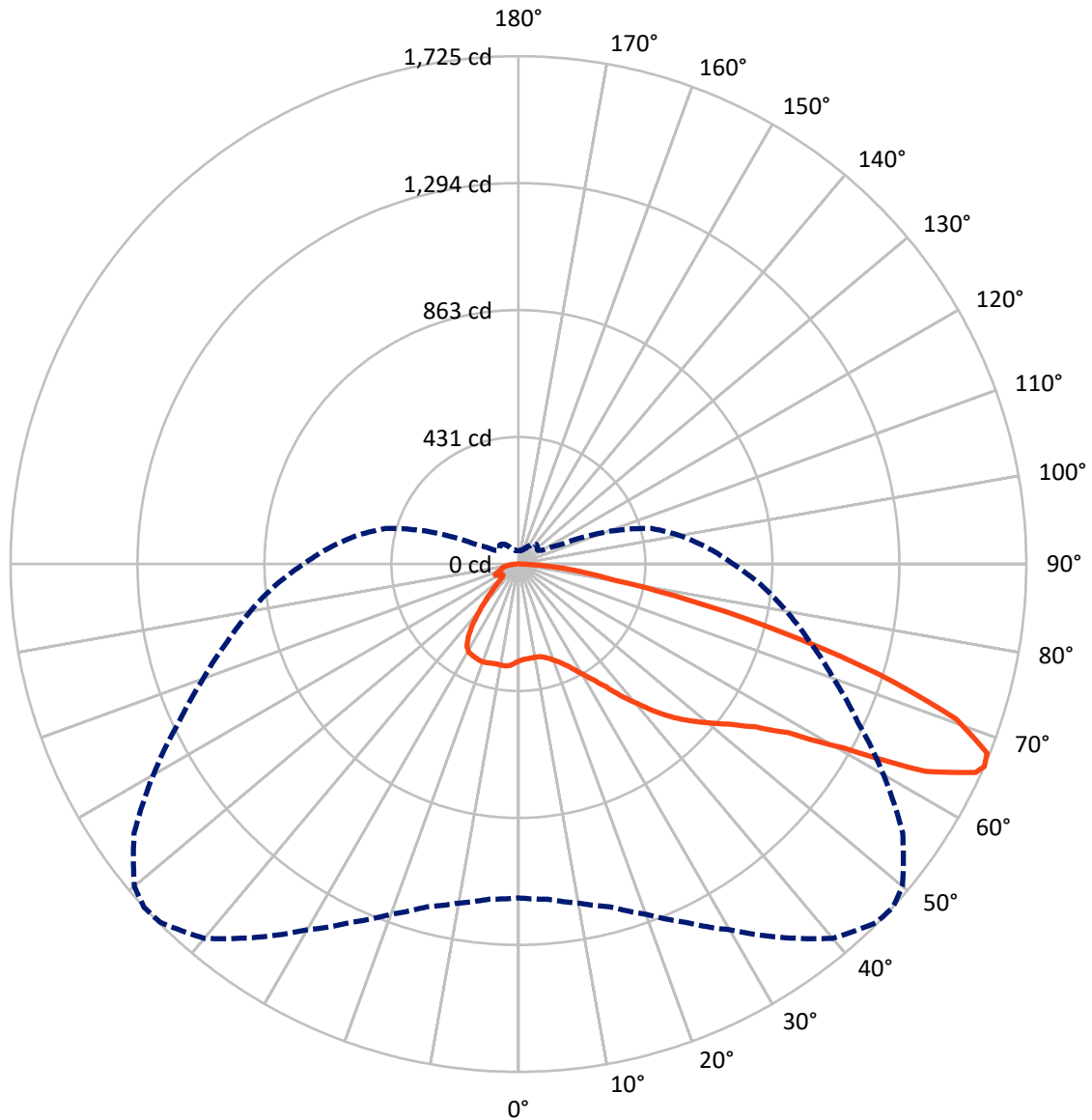
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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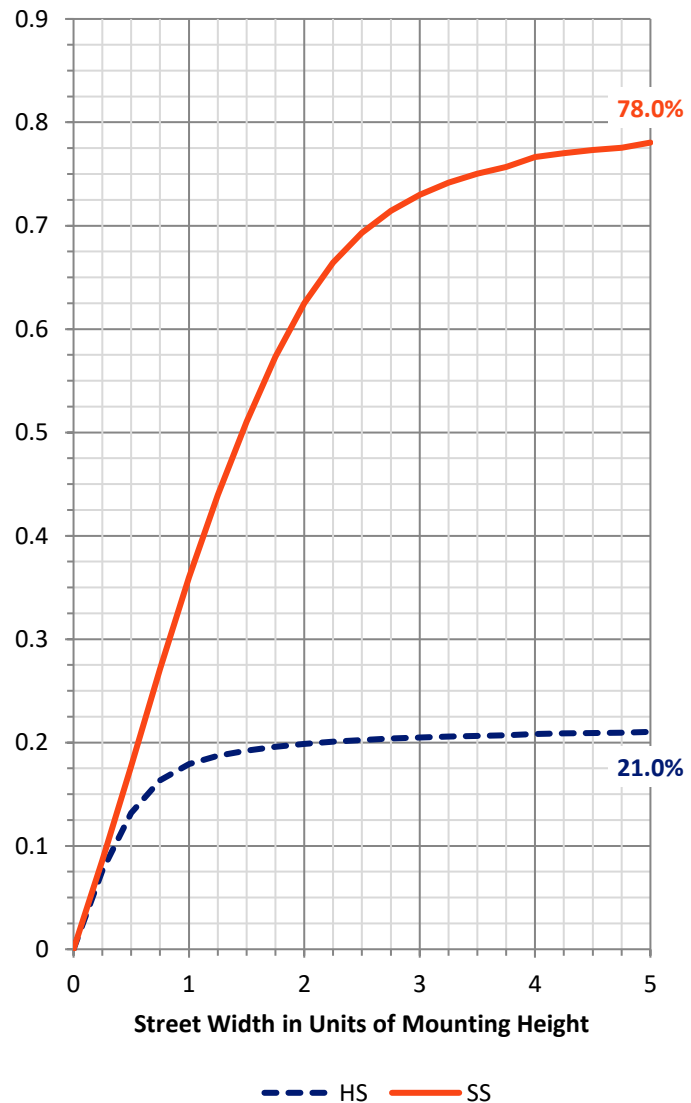
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.3	0.0	532.3
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1962.5	0.0	1962.5
	% Fixture	78.7	0.0	78.7
Total	Lumens	2494.8	0.0	2494.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	1.3
10°-20°	96.9	3.9
20°-30°	167.0	6.7
30°-40°	252.6	10.1
40°-50°	327.5	13.1
50°-60°	451.5	18.1
60°-70°	701.4	28.1
70°-80°	407.9	16.3
80°-90°	58.0	2.3
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°	2494.8	100.0
0°-180°	2494.8	100.0



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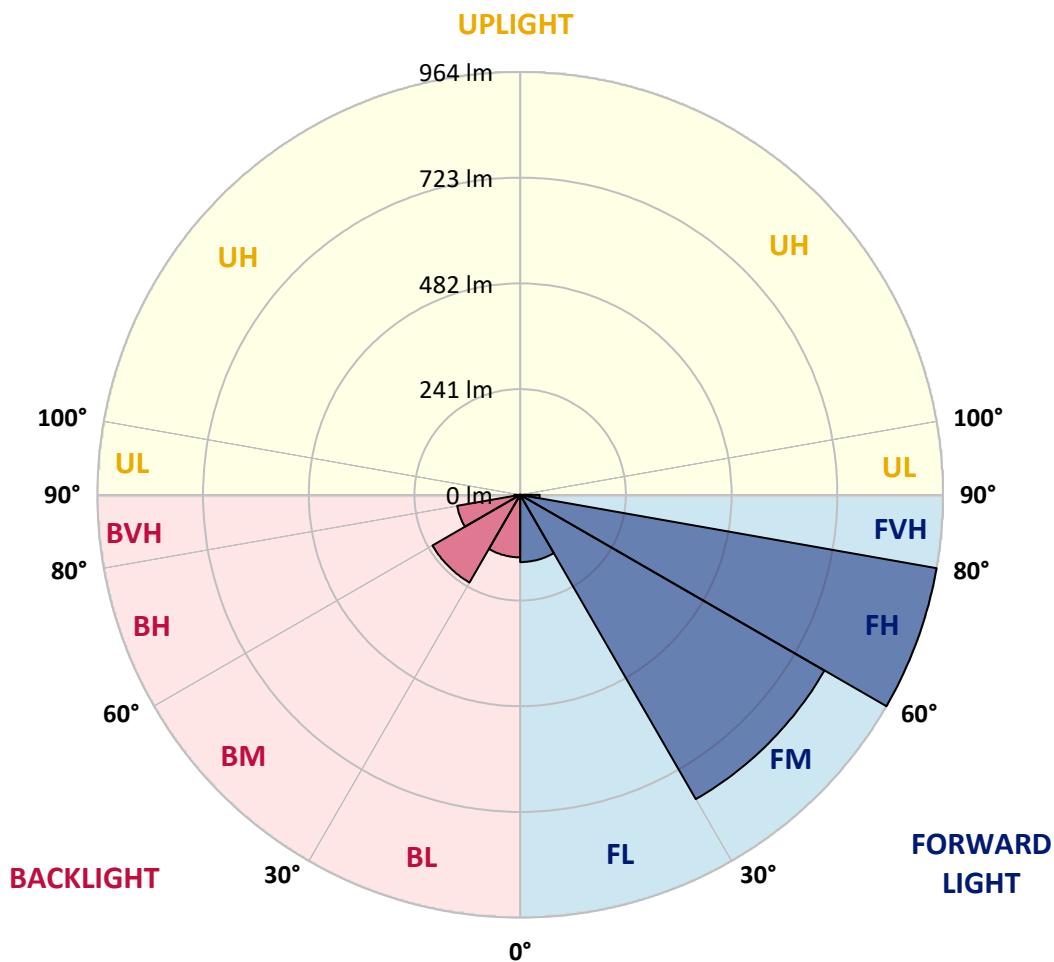
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.4	6.1			
FM	(30°-60°)	800.8	32.1			
FH	(60°-80°)	963.7	38.6			G1/1800
FVH	(80°-90°)	44.5	1.8			G1/100
BL	(0°-30°)	142.5	5.7	B1/500		
BM	(30°-60°)	230.8	9.2	B1/1000		
BH	(60°-80°)	145.6	5.8	B1/500		G1/500
BVH	(80°-90°)	13.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8
2.5°	322.8	323.8	323.0	323.3	323.3	323.6	323.6	323.8	323.6	324.5	325.0
5°	317.0	317.5	317.3	317.8	318.3	319.5	319.2	320.6	320.8	321.7	323.0
7.5°	314.8	314.3	314.5	315.3	315.9	316.5	317.0	318.1	319.0	320.8	322.0
10°	317.0	316.7	317.0	317.5	317.5	317.8	317.3	318.3	319.0	320.6	321.7
12.5°	326.1	326.1	325.5	325.5	325.0	324.5	323.0	322.3	322.0	322.3	322.8
15°	340.6	340.1	339.1	338.2	337.1	335.1	333.3	331.6	330.5	328.8	328.3
17.5°	355.0	354.2	353.1	351.9	350.6	348.6	345.6	343.7	340.6	338.8	337.6
20°	371.5	369.8	368.5	367.0	364.4	363.7	360.7	357.4	353.9	349.4	348.9
22.5°	393.0	390.2	388.5	387.8	385.0	384.1	379.2	374.5	370.2	364.4	363.0
25°	414.7	411.9	411.1	410.1	408.1	406.9	402.3	397.1	391.3	383.3	381.7
27.5°	435.9	436.2	434.0	434.8	434.2	432.3	427.7	422.4	418.0	408.6	406.7
30°	462.3	460.6	459.6	461.2	459.3	459.6	455.4	452.6	445.5	440.0	436.2
32.5°	489.8	489.5	491.2	492.3	492.0	491.5	488.2	485.4	479.1	471.1	469.4
35°	527.5	529.1	530.6	535.4	535.4	539.1	535.8	532.4	525.1	515.4	512.1
37.5°	553.1	553.7	559.2	565.8	574.0	581.8	583.9	584.8	581.8	574.6	569.6
40°	576.5	577.6	586.4	596.6	608.7	623.8	633.0	637.0	637.8	634.5	623.8
42.5°	599.9	601.6	610.6	625.5	642.3	661.6	677.5	687.7	693.5	693.5	687.2
45°	627.2	629.3	639.3	655.4	675.0	699.2	721.2	740.7	750.2	750.7	744.7
47.5°	659.3	661.2	672.8	689.3	709.4	733.9	761.7	783.9	801.3	802.4	797.4
50°	700.8	703.6	713.3	728.1	748.7	773.5	801.3	832.4	850.6	854.9	849.7
52.5°	755.9	756.5	764.5	778.2	798.2	822.0	851.4	885.3	909.2	912.7	904.2
55°	831.8	831.0	836.3	851.1	866.2	884.7	915.2	953.2	979.9	985.4	976.6
57.5°	935.0	934.2	938.7	942.2	970.6	988.4	1018.4	1054.7	1080.6	1096.6	1081.5
60°	1094.9	1094.1	1101.2	1122.2	1143.3	1169.5	1198.7	1242.2	1278.4	1283.1	1268.3
62.5°	1210.8	1214.9	1230.6	1255.0	1298.0	1349.2	1402.6	1459.8	1534.4	1558.0	1550.9
65°	1170.4	1178.5	1200.3	1237.5	1294.7	1365.4	1449.1	1552.8	1652.7	1708.6	1706.9
66°	1134.0	1143.1	1169.7	1205.5	1266.1	1343.4	1434.7	1547.9	1659.6	1721.2	1725.1
67.5°	1068.0	1078.1	1104.2	1146.6	1205.5	1287.8	1386.0	1509.0	1635.3	1707.2	1717.4
70°	939.5	951.0	969.9	1005.0	1063.0	1136.5	1239.9	1350.1	1482.4	1564.7	1577.0
72.5°	785.4	795.5	816.7	845.4	893.0	939.2	1020.3	1101.6	1196.2	1290.1	1280.9
75°	563.8	568.2	580.9	612.0	637.6	679.2	744.4	811.0	875.6	918.5	924.6
77.5°	293.1	304.7	322.5	356.9	384.7	422.1	464.5	514.6	561.9	601.2	590.6
80°	191.8	196.8	212.7	230.4	250.7	274.6	303.0	321.7	327.8	325.3	327.8
82.5°	110.6	119.7	140.9	154.4	169.5	177.7	200.3	221.8	233.9	218.8	213.3
85°	14.0	18.1	57.2	72.1	82.6	94.9	101.9	114.7	107.0	95.8	116.7
87.5°	3.0	2.8	3.8	8.3	8.5	7.2	13.5	14.3	8.8	4.4	5.5
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8
2.5°	325.5	325.8	326.3	327.2	327.8	328.3	328.8	329.6	330.3	330.8	331.8
5°	324.1	325.3	326.3	327.5	328.8	331.0	332.4	333.5	334.6	336.8	337.6
7.5°	323.3	325.3	326.9	328.8	331.0	333.0	335.4	336.8	338.4	339.8	341.5
10°	322.8	325.5	327.2	329.9	332.4	334.3	337.1	338.8	340.6	342.3	343.1
12.5°	323.8	325.3	326.9	329.6	332.6	335.4	338.4	339.8	341.5	342.9	343.1
15°	328.6	328.6	328.8	331.0	334.1	336.3	338.8	340.1	340.9	341.8	341.8
17.5°	337.1	335.1	333.8	334.1	336.0	337.4	338.8	338.8	338.2	337.9	337.4
20°	347.0	344.6	341.8	339.8	339.3	338.2	337.4	334.6	332.4	330.5	329.1
22.5°	361.3	357.4	353.6	350.1	346.7	342.6	337.9	332.4	327.2	323.6	321.5
25°	379.0	375.9	371.2	365.7	361.6	353.9	347.8	339.8	333.3	328.6	324.7
27.5°	403.9	400.4	396.0	391.0	385.0	376.5	369.0	359.7	351.7	344.8	339.8
30°	435.0	430.4	427.0	421.0	416.9	407.3	399.8	388.3	372.8	361.9	355.0
32.5°	466.9	461.8	459.0	454.3	449.6	443.8	432.5	414.7	394.9	377.0	365.2
35°	509.6	504.1	499.2	495.0	488.2	477.4	467.6	446.0	418.9	393.8	374.0
37.5°	563.3	554.2	541.9	531.4	519.3	503.8	488.7	466.7	435.6	403.1	376.7
40°	620.5	604.6	586.9	567.5	546.5	524.2	506.8	484.6	449.6	411.1	374.8
42.5°	680.2	654.9	630.5	602.9	573.8	547.4	524.8	500.3	460.1	413.3	367.0
45°	739.4	711.1	673.9	637.8	600.9	568.2	542.9	515.4	469.7	414.1	356.9
47.5°	788.4	759.2	716.8	671.7	628.0	590.8	561.0	531.4	482.7	419.9	354.4
50°	840.1	804.7	757.5	704.1	654.6	613.1	581.5	550.7	500.8	434.8	362.4
52.5°	896.5	855.8	800.7	741.0	686.8	640.3	605.9	574.3	523.9	455.6	377.5
55°	965.3	915.5	855.8	788.4	730.4	678.9	640.9	603.4	551.4	480.4	396.5
57.5°	1070.5	1009.3	942.2	865.4	801.0	740.2	694.8	651.6	594.1	517.3	422.4
60°	1260.6	1195.3	1108.1	1015.1	939.5	868.5	801.9	748.2	677.5	589.9	479.6
62.5°	1533.0	1446.3	1329.9	1199.8	1100.7	998.3	923.2	843.4	755.6	661.2	547.0
65°	1684.4	1579.3	1423.5	1272.4	1145.0	1033.8	938.3	845.9	748.5	658.2	562.7
66°	1703.1	1593.6	1431.7	1272.6	1139.0	1024.8	924.4	828.6	728.9	642.8	556.2
67.5°	1695.3	1583.3	1416.6	1248.7	1112.8	990.1	886.3	787.0	687.7	607.4	534.1
70°	1569.0	1462.8	1299.1	1136.5	1007.5	886.3	787.3	689.6	598.5	529.7	475.8
72.5°	1303.0	1212.1	1069.8	942.2	840.9	741.0	657.1	563.8	486.7	435.9	403.9
75°	940.5	885.5	755.9	682.7	593.8	527.5	446.0	390.8	335.4	310.7	305.2
77.5°	594.1	520.1	437.8	360.5	296.4	245.7	191.3	162.4	135.3	132.6	160.1
80°	300.7	270.8	208.6	166.2	139.8	113.1	89.4	67.7	47.4	57.0	68.3
82.5°	197.0	164.2	128.8	105.9	92.2	76.5	59.5	41.2	30.3	34.1	46.7
85°	106.5	90.8	73.2	57.8	46.7	41.9	28.1	19.8	19.6	20.9	26.7
87.5°	7.7	7.7	6.0	5.5	6.6	5.5	5.0	5.0	4.7	5.0	6.6
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°	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8
2.5°	332.4	333.3	333.5	334.9	335.8	336.3	336.8	336.8	337.1	337.9	338.2
5°	338.8	340.1	341.8	342.9	343.4	345.1	345.6	345.6	346.2	347.3	348.1
7.5°	342.6	344.6	346.2	346.7	347.8	348.4	349.2	349.7	349.7	350.9	351.4
10°	343.9	345.1	346.7	346.7	347.8	347.8	348.6	348.9	348.9	350.1	350.9
12.5°	343.9	344.6	345.9	345.9	346.7	347.0	348.1	348.9	349.2	350.6	351.7
15°	342.3	342.9	343.9	344.2	346.2	347.3	349.7	351.4	351.4	352.7	353.4
17.5°	337.6	339.1	341.2	343.4	347.0	349.4	352.5	353.9	352.7	351.9	351.1
20°	329.9	332.4	337.6	343.1	349.4	352.7	354.4	353.1	349.2	345.4	342.9
22.5°	322.3	327.2	336.0	344.2	351.4	353.6	352.7	347.8	341.5	336.8	333.5
25°	325.8	331.6	340.1	347.6	352.2	351.7	348.4	341.5	334.6	328.6	323.0
27.5°	340.6	347.0	351.7	354.2	353.6	349.7	344.6	336.8	328.6	320.6	312.8
30°	354.7	358.0	359.1	357.2	352.7	346.4	339.8	331.0	320.0	310.2	301.3
32.5°	361.0	357.7	352.5	347.3	340.1	334.6	325.5	315.9	302.2	290.3	281.6
35°	361.0	347.8	334.6	323.6	312.8	306.0	295.5	282.6	269.9	260.0	253.2
37.5°	353.1	327.8	306.0	288.1	274.6	267.2	251.5	240.0	229.2	225.9	221.6
40°	338.4	301.0	269.6	246.3	229.2	218.2	202.5	194.5	190.5	188.8	188.0
42.5°	319.0	271.3	229.5	200.6	182.2	169.7	159.3	154.4	154.1	153.8	153.8
45°	298.0	239.4	190.5	156.1	139.8	128.8	123.8	121.9	123.5	123.3	123.5
47.5°	285.1	215.2	154.6	118.0	105.7	98.5	96.1	96.9	98.2	97.7	97.7
50°	283.4	202.8	130.7	91.9	82.6	79.0	78.4	78.4	79.3	78.7	78.4
52.5°	289.5	200.8	118.3	79.0	71.5	68.5	68.0	67.7	67.5	65.8	64.4
55°	299.9	205.3	114.7	75.6	68.0	64.7	63.8	63.3	62.2	60.0	57.5
57.5°	320.8	219.1	118.0	77.3	69.1	66.3	65.5	65.5	63.3	59.7	56.2
60°	371.2	254.0	131.5	83.6	74.3	71.5	72.1	71.8	68.5	63.3	57.8
62.5°	436.2	299.7	149.1	92.4	80.9	80.3	83.1	82.6	77.1	69.1	61.1
65°	466.1	321.1	154.1	94.4	82.3	84.8	90.3	89.7	82.8	71.8	61.7
66°	466.7	321.1	151.9	92.7	80.3	83.4	88.9	88.6	81.8	70.7	60.5
67.5°	455.4	312.3	145.6	89.4	76.5	78.7	83.6	83.4	77.1	68.0	58.3
70°	413.1	279.6	129.3	83.6	71.3	70.2	71.8	70.7	66.6	60.3	53.7
72.5°	353.9	234.7	112.8	79.3	67.7	63.3	62.2	61.3	58.0	54.5	50.4
75°	278.8	185.7	99.1	76.0	64.4	58.7	56.7	55.5	53.4	50.9	47.6
77.5°	172.0	133.0	86.4	71.5	61.9	56.2	54.7	53.1	49.8	46.7	44.4
80°	76.8	82.3	71.0	62.5	55.3	50.1	47.9	45.4	42.1	40.2	38.8
82.5°	51.2	53.1	51.5	46.7	41.9	37.7	34.4	34.4	33.9	32.2	31.6
85°	32.7	33.1	31.9	28.9	26.9	24.5	23.1	23.4	24.5	24.2	23.9
87.5°	7.5	7.5	8.8	8.3	9.6	10.2	11.0	11.8	13.5	13.5	14.3
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°	328.8	328.8	328.8	328.8	328.8
2.5°	338.4	339.1	339.6	338.8	339.1
5°	348.1	347.8	349.2	348.4	348.9
7.5°	351.1	351.4	352.5	352.5	352.7
10°	351.4	351.9	353.4	354.2	354.7
12.5°	352.7	353.9	356.1	356.6	356.6
15°	353.9	354.4	355.8	356.4	356.9
17.5°	350.1	348.9	349.4	349.7	349.4
20°	340.4	339.3	339.1	337.9	338.4
22.5°	329.9	326.9	325.0	322.8	322.8
25°	317.3	312.6	308.7	304.9	305.7
27.5°	305.5	299.4	295.5	293.1	292.5
30°	293.9	287.6	283.9	280.9	280.9
32.5°	274.6	270.3	265.5	263.6	263.3
35°	248.0	245.2	241.3	240.5	239.2
37.5°	217.9	217.1	213.8	213.6	212.1
40°	186.5	187.2	186.0	185.5	184.7
42.5°	155.2	157.9	157.4	157.1	156.6
45°	125.2	127.2	127.4	128.2	129.6
47.5°	98.5	99.1	99.6	99.4	99.6
50°	77.1	75.6	75.4	74.6	75.4
52.5°	62.2	60.0	58.9	57.8	57.2
55°	54.7	52.5	51.5	50.9	50.4
57.5°	52.8	50.7	49.0	47.9	47.6
60°	53.4	50.1	47.9	46.5	46.2
62.5°	54.7	50.4	47.4	45.9	45.7
65°	54.5	49.8	47.0	45.4	45.1
66°	53.7	49.2	46.5	45.1	44.9
67.5°	52.3	48.4	45.9	44.9	44.4
70°	49.8	47.4	45.4	44.0	43.5
72.5°	47.6	45.7	44.0	42.7	42.4
75°	45.1	43.5	41.9	40.7	40.4
77.5°	42.1	40.4	39.4	38.5	38.2
80°	37.1	36.1	34.9	33.9	33.9
82.5°	30.8	29.9	28.9	28.1	27.8
85°	23.6	23.6	22.8	22.0	21.8
87.5°	14.0	13.8	13.8	13.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

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