

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: P156853

Luminaire Tested: **AVS-F01-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156853
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-T4-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2105.6 lumens
Efficiency: N/A
Efficacy: 81.3 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

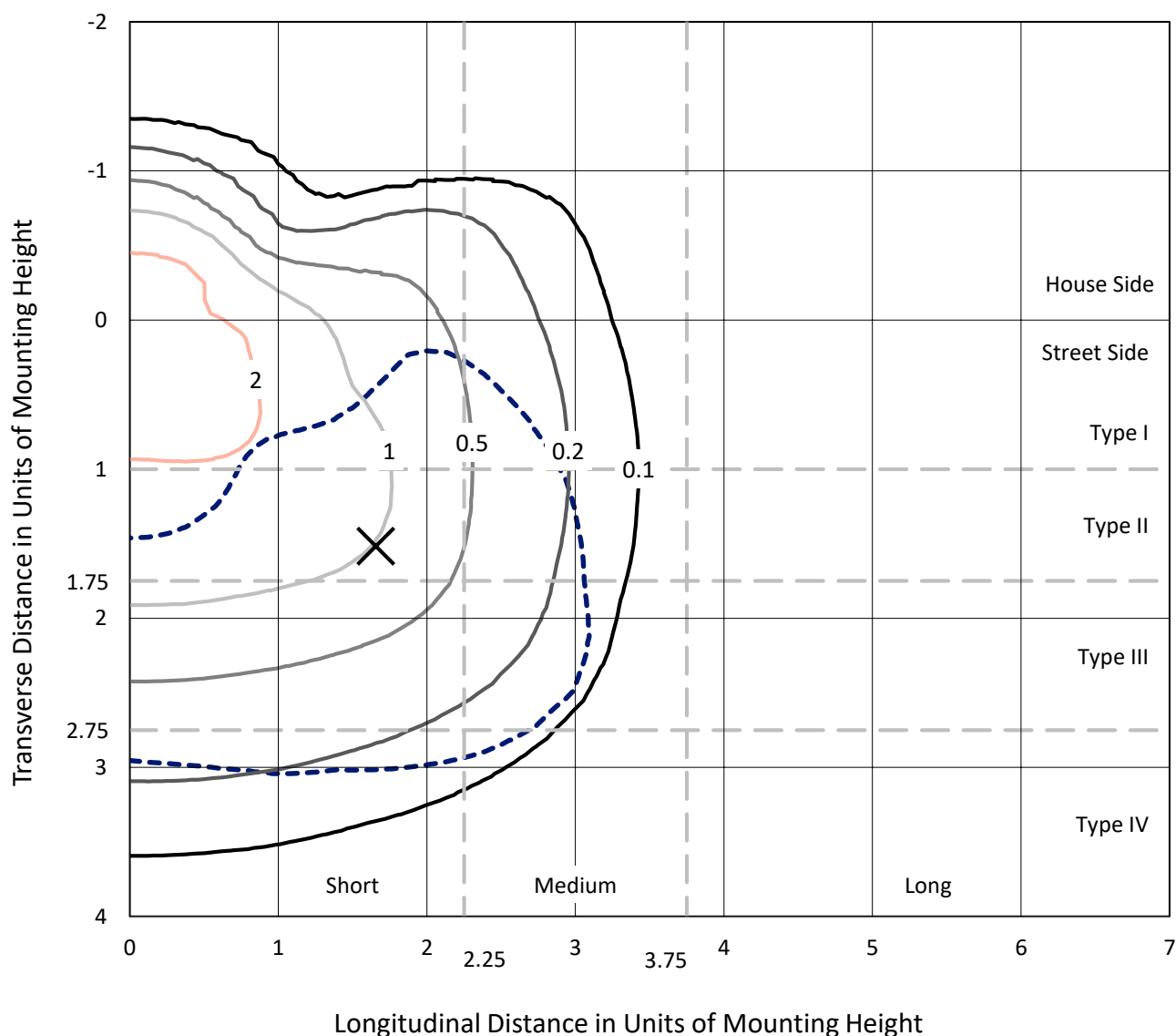


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

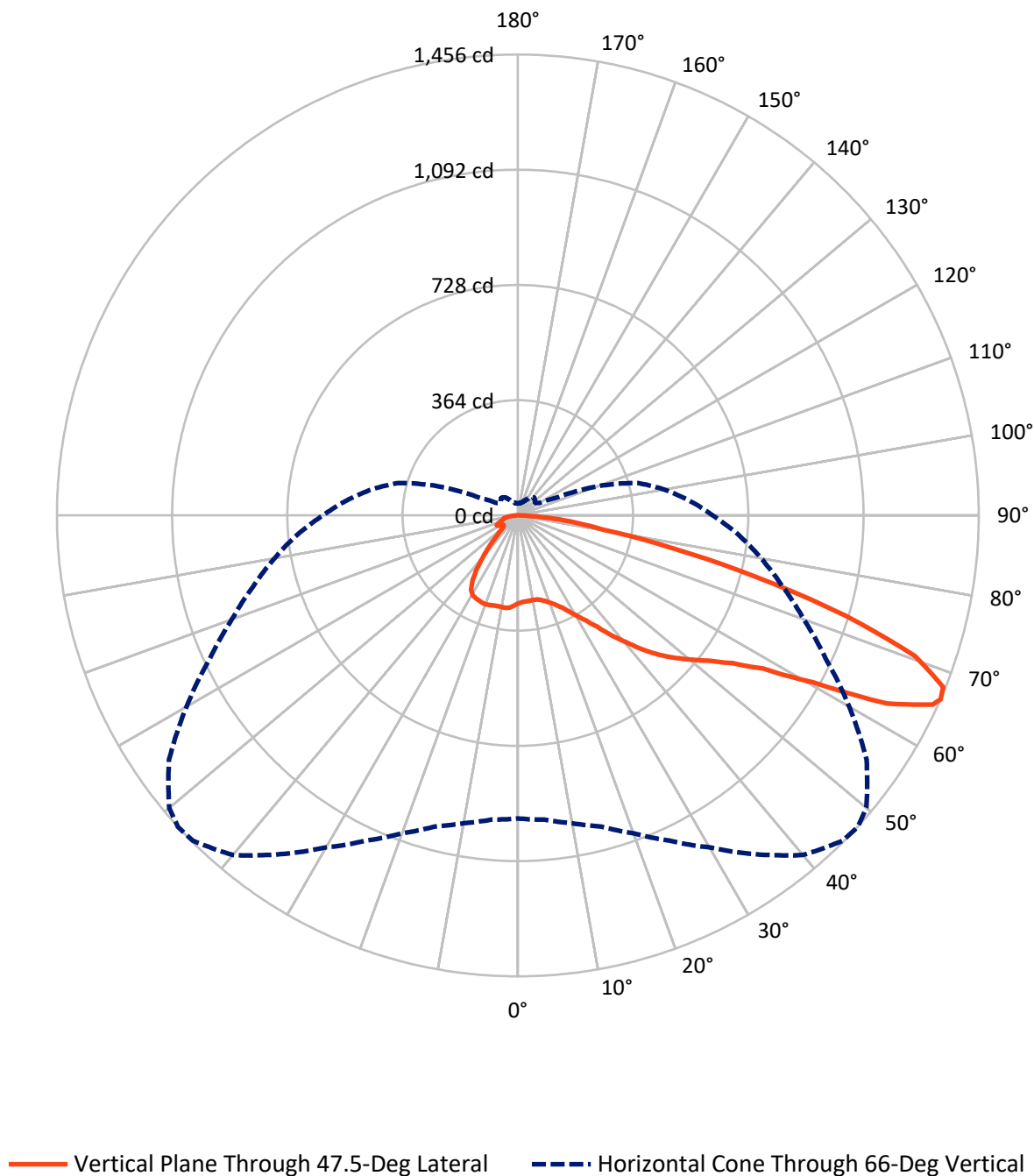


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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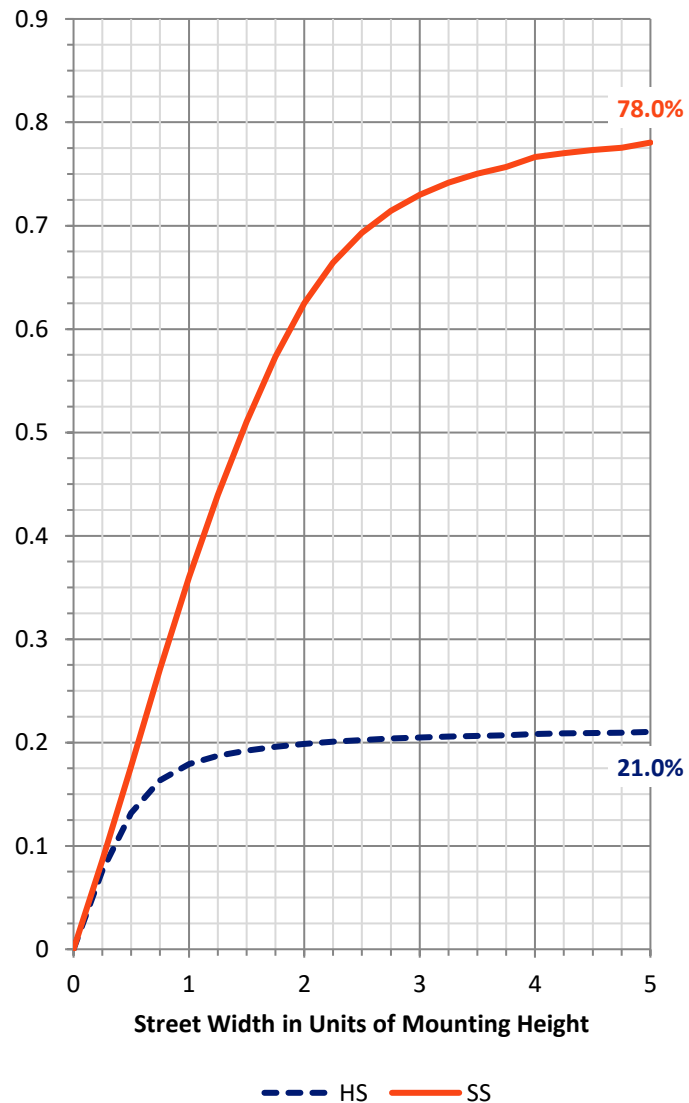
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	449.3	0.0	449.3
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1656.3	0.0	1656.3
	% Fixture	78.7	0.0	78.7
Total	Lumens	2105.6	0.0	2105.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.3
10°-20°	81.8	3.9
20°-30°	140.9	6.7
30°-40°	213.2	10.1
40°-50°	276.4	13.1
50°-60°	381.0	18.1
60°-70°	592.0	28.1
70°-80°	344.3	16.3
80°-90°	49.0	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°	2105.6	100.0
0°-180°	2105.6	100.0

Coefficient of Utilization



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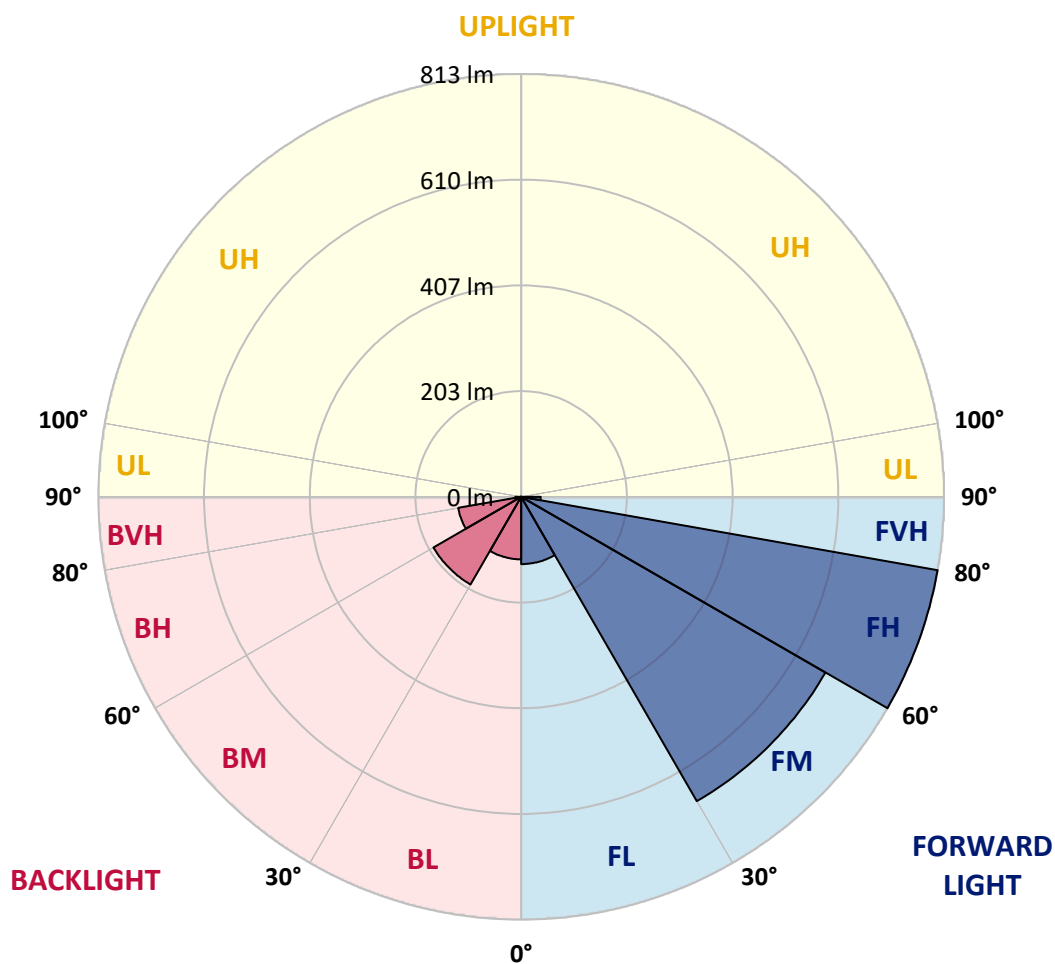
CATALOG NUMBER: AVS-F01-LED-E-U-T4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.5	6.1			
FM	(30°-60°)	675.9	32.1			
FH	(60°-80°)	813.4	38.6			G1/1800
FVH	(80°-90°)	37.6	1.8			G1/100
BL	(0°-30°)	120.3	5.7	B1/500		
BM	(30°-60°)	194.8	9.2	B0/220		
BH	(60°-80°)	122.9	5.8	B1/500		G1/500
BVH	(80°-90°)	11.4	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°	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5
2.5°	272.4	273.4	272.6	272.8	272.8	273.2	273.2	273.4	273.2	273.8	274.3
5°	267.6	268.0	267.8	268.3	268.7	269.6	269.4	270.6	270.8	271.5	272.6
7.5°	265.7	265.2	265.5	266.1	266.6	267.0	267.6	268.5	269.2	270.8	271.7
10°	267.6	267.4	267.6	268.0	268.0	268.3	267.8	268.7	269.2	270.6	271.5
12.5°	275.2	275.2	274.7	274.7	274.3	273.8	272.6	271.9	271.7	271.9	272.4
15°	287.6	287.0	286.1	285.4	284.5	282.9	281.2	279.9	279.0	277.5	277.1
17.5°	299.6	298.9	297.9	297.0	295.9	294.3	291.7	290.1	287.6	285.9	285.0
20°	313.6	312.1	311.0	309.8	307.5	307.0	304.5	301.7	298.7	294.9	294.5
22.5°	331.6	329.3	328.0	327.3	324.9	324.2	320.0	316.1	312.3	307.5	306.3
25°	349.9	347.7	346.9	346.0	344.5	343.5	339.6	335.1	330.3	323.5	322.1
27.5°	367.9	368.1	366.2	366.9	366.5	364.9	360.9	356.5	352.7	344.9	343.2
30°	390.2	388.8	387.9	389.2	387.7	387.9	384.4	382.1	376.0	371.4	368.1
32.5°	413.4	413.2	414.5	415.4	415.2	414.8	412.0	409.6	404.4	397.6	396.2
35°	445.2	446.6	447.8	451.9	451.9	454.9	452.2	449.4	443.1	435.0	432.2
37.5°	466.8	467.3	471.9	477.5	484.5	491.0	492.8	493.5	491.0	485.0	480.7
40°	486.5	487.5	494.9	503.5	513.7	526.5	534.2	537.6	538.3	535.5	526.5
42.5°	506.3	507.7	515.3	527.9	542.1	558.3	571.8	580.4	585.3	585.3	579.9
45°	529.3	531.2	539.5	553.2	569.7	590.2	608.7	625.2	633.1	633.6	628.5
47.5°	556.5	558.1	567.9	581.8	598.8	619.4	642.9	661.7	676.3	677.2	673.1
50°	591.5	593.9	602.0	614.5	631.9	652.8	676.3	702.6	717.8	721.6	717.2
52.5°	637.9	638.4	645.2	656.8	673.8	693.7	718.5	747.2	767.4	770.4	763.1
55°	702.1	701.3	705.8	718.3	731.1	746.6	772.4	804.5	827.0	831.7	824.2
57.5°	789.1	788.5	792.2	795.2	819.2	834.2	859.6	890.2	912.0	925.5	912.7
60°	924.1	923.4	929.4	947.0	965.0	987.0	1011.7	1048.4	1079.0	1083.0	1070.5
62.5°	1021.9	1025.4	1038.5	1059.3	1095.5	1138.7	1183.7	1232.0	1295.0	1314.9	1308.9
65°	987.8	994.7	1013.1	1044.5	1092.7	1152.4	1223.0	1310.6	1394.8	1442.0	1440.6
66°	957.1	964.8	987.3	1017.5	1068.6	1133.8	1210.9	1306.4	1400.6	1452.6	1456.0
67.5°	901.3	909.9	932.0	967.8	1017.5	1086.9	1169.8	1273.7	1380.2	1440.8	1449.4
70°	792.8	802.6	818.7	848.2	897.2	959.2	1046.5	1139.4	1251.1	1320.5	1331.0
72.5°	662.8	671.4	689.3	713.5	753.7	792.6	861.1	929.6	1009.5	1088.8	1081.1
75°	475.9	479.6	490.3	516.5	538.1	573.2	628.2	684.5	739.0	775.2	780.3
77.5°	247.4	257.1	272.2	301.2	324.7	356.3	392.0	434.3	474.2	507.5	498.4
80°	161.9	166.0	179.5	194.4	211.6	231.8	255.8	271.5	276.6	274.5	276.6
82.5°	93.4	101.0	118.9	130.3	143.1	150.1	169.1	187.2	197.4	184.7	180.0
85°	11.8	15.3	48.3	60.8	69.6	80.1	85.9	96.9	90.4	80.8	98.4
87.5°	2.6	2.3	3.2	6.9	7.2	6.0	11.4	12.1	7.5	3.7	4.7
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°	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5
2.5°	274.7	275.0	275.4	276.2	276.6	277.1	277.5	278.2	278.7	279.2	280.1
5°	273.6	274.5	275.4	276.4	277.5	279.4	280.5	281.5	282.4	284.2	285.0
7.5°	272.8	274.5	276.0	277.5	279.4	281.0	283.1	284.2	285.7	286.8	288.2
10°	272.4	274.7	276.2	278.4	280.5	282.2	284.5	285.9	287.6	288.9	289.6
12.5°	273.4	274.5	276.0	278.2	280.8	283.1	285.7	286.8	288.2	289.3	289.6
15°	277.3	277.3	277.5	279.4	282.0	283.8	285.9	287.0	287.8	288.5	288.5
17.5°	284.5	282.9	281.8	282.0	283.5	284.8	285.9	285.9	285.4	285.2	284.8
20°	292.8	290.8	288.5	286.8	286.3	285.4	284.8	282.4	280.5	279.0	277.7
22.5°	305.0	301.7	298.4	295.4	292.6	289.1	285.2	280.5	276.2	273.2	271.3
25°	319.8	317.2	313.3	308.7	305.2	298.7	293.6	286.8	281.2	277.3	274.1
27.5°	340.9	337.9	334.2	330.1	324.9	317.7	311.4	303.5	296.8	291.0	286.8
30°	367.2	363.2	360.4	355.3	351.8	343.7	337.4	327.7	314.7	305.4	299.6
32.5°	394.1	389.7	387.4	383.4	379.5	374.6	365.1	349.9	333.3	318.1	308.2
35°	430.2	425.5	421.2	417.8	412.0	402.9	394.6	376.5	353.5	332.3	315.6
37.5°	475.4	467.8	457.3	448.5	438.2	425.3	412.4	393.9	367.7	340.2	317.9
40°	523.7	510.3	495.3	478.9	461.2	442.4	427.8	409.0	379.5	346.9	316.3
42.5°	574.1	552.7	532.1	508.8	484.2	462.0	442.9	422.2	388.3	348.8	309.8
45°	624.0	600.1	568.8	538.3	507.3	479.6	458.2	435.0	396.5	349.5	301.2
47.5°	665.4	640.7	605.0	566.9	529.9	498.7	473.6	448.5	407.4	354.4	299.2
50°	709.0	679.1	639.4	594.3	552.5	517.4	490.8	464.8	422.7	366.9	305.9
52.5°	756.7	722.3	675.9	625.4	579.7	540.4	511.4	484.7	442.2	384.6	318.7
55°	814.7	772.6	722.3	665.4	616.4	573.0	540.9	509.3	465.4	405.5	334.7
57.5°	903.4	851.9	795.2	730.4	676.1	624.8	586.4	549.9	501.5	436.6	356.5
60°	1063.9	1008.9	935.2	856.8	792.8	733.0	676.8	631.5	571.8	497.9	404.8
62.5°	1293.9	1220.7	1122.5	1012.5	929.0	842.6	779.2	711.8	637.7	558.1	461.7
65°	1421.6	1332.8	1201.5	1073.9	966.3	872.5	791.9	713.9	631.7	555.5	474.9
66°	1437.4	1345.0	1208.4	1074.1	961.2	864.9	780.1	699.3	615.2	542.5	469.3
67.5°	1430.9	1336.4	1195.6	1053.9	939.2	835.6	748.1	664.2	580.4	512.5	450.8
70°	1324.2	1234.6	1096.5	959.2	850.3	748.1	664.5	582.0	505.2	447.0	401.6
72.5°	1099.7	1023.0	903.0	795.2	709.7	625.4	554.6	475.9	410.9	367.9	340.9
75°	793.8	747.4	637.9	576.2	501.1	445.2	376.5	329.7	283.1	262.2	257.5
77.5°	501.5	439.0	369.5	304.2	250.2	207.4	161.5	137.0	114.3	111.9	135.1
80°	253.9	228.5	176.1	140.3	118.0	95.4	75.4	57.1	39.9	48.1	57.6
82.5°	166.3	138.7	108.7	89.4	77.8	64.6	50.2	34.8	25.6	28.8	39.5
85°	89.8	76.7	61.8	48.8	39.5	35.3	23.7	16.7	16.5	17.6	22.5
87.5°	6.5	6.5	5.1	4.7	5.6	4.7	4.1	4.1	3.9	4.1	5.6
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°	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5	277.5
2.5°	280.5	281.2	281.5	282.6	283.3	283.8	284.2	284.2	284.5	285.2	285.4
5°	285.9	287.0	288.5	289.3	289.8	291.2	291.7	291.7	292.1	293.1	293.8
7.5°	289.1	290.8	292.1	292.6	293.6	294.0	294.7	295.2	295.2	296.1	296.6
10°	290.3	291.2	292.6	292.6	293.6	293.6	294.3	294.5	294.5	295.4	296.1
12.5°	290.3	290.8	291.9	291.9	292.6	292.8	293.8	294.5	294.7	295.9	296.8
15°	288.9	289.3	290.3	290.6	292.1	293.1	295.2	296.6	296.6	297.7	298.2
17.5°	285.0	286.1	288.0	289.8	292.8	294.9	297.5	298.7	297.7	297.0	296.4
20°	278.4	280.5	285.0	289.6	294.9	297.7	299.2	297.9	294.7	291.5	289.3
22.5°	271.9	276.2	283.5	290.6	296.6	298.4	297.7	293.6	288.2	284.2	281.5
25°	275.0	279.9	287.0	293.4	297.3	296.8	294.0	288.2	282.4	277.3	272.6
27.5°	287.6	292.8	296.8	298.9	298.4	295.2	290.8	284.2	277.3	270.6	264.0
30°	299.4	302.2	303.1	301.5	297.7	292.4	286.8	279.4	270.1	261.8	254.3
32.5°	304.7	302.0	297.5	293.1	287.0	282.4	274.7	266.6	255.0	245.0	237.6
35°	304.7	293.6	282.4	273.2	264.0	258.2	249.4	238.5	227.9	219.5	213.7
37.5°	297.9	276.6	258.2	243.2	231.8	225.5	212.2	202.5	193.5	190.7	186.9
40°	285.7	254.1	227.6	207.9	193.5	184.1	170.9	164.2	160.7	159.3	158.7
42.5°	269.2	229.0	193.7	169.3	153.8	143.3	134.5	130.3	130.1	129.8	129.8
45°	251.5	202.1	160.7	131.7	118.0	108.7	104.6	102.9	104.2	104.0	104.2
47.5°	240.6	181.7	130.6	99.6	89.2	83.1	81.0	81.8	82.9	82.5	82.5
50°	239.2	171.2	110.4	77.6	69.6	66.6	66.2	66.2	66.8	66.4	66.2
52.5°	244.4	169.5	99.9	66.6	60.4	57.8	57.4	57.1	56.9	55.5	54.3
55°	253.2	173.3	96.9	63.8	57.4	54.6	53.9	53.4	52.5	50.7	48.5
57.5°	270.8	184.9	99.6	65.3	58.3	56.0	55.2	55.2	53.4	50.4	47.4
60°	313.3	214.4	111.0	70.6	62.7	60.4	60.8	60.6	57.8	53.4	48.8
62.5°	368.1	253.0	125.9	78.0	68.3	67.8	70.2	69.6	65.1	58.3	51.6
65°	393.5	271.0	130.1	79.7	69.4	71.5	76.2	75.8	69.9	60.6	52.0
66°	393.9	271.0	128.2	78.2	67.8	70.4	75.0	74.8	69.0	59.7	51.1
67.5°	384.4	263.6	122.9	75.4	64.6	66.4	70.6	70.4	65.1	57.4	49.2
70°	348.6	236.0	109.1	70.6	60.1	59.2	60.6	59.7	56.2	50.9	45.3
72.5°	298.7	198.1	95.2	66.8	57.1	53.4	52.5	51.8	49.0	46.0	42.5
75°	235.2	156.8	83.6	64.1	54.3	49.4	47.9	46.9	45.1	43.0	40.2
77.5°	145.2	112.1	73.0	60.4	52.2	47.4	46.2	44.9	42.1	39.5	37.4
80°	64.8	69.4	59.9	52.7	46.6	42.3	40.4	38.3	35.5	33.9	32.7
82.5°	43.2	44.9	43.4	39.5	35.3	31.8	29.0	29.0	28.6	27.2	26.7
85°	27.7	27.9	26.9	24.4	22.8	20.6	19.5	19.7	20.6	20.4	20.2
87.5°	6.3	6.3	7.5	6.9	8.1	8.6	9.3	9.9	11.4	11.4	12.1
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°	277.5	277.5	277.5	277.5	277.5
2.5°	285.7	286.1	286.6	285.9	286.1
5°	293.8	293.6	294.7	294.0	294.5
7.5°	296.4	296.6	297.5	297.5	297.7
10°	296.6	297.0	298.2	298.9	299.4
12.5°	297.7	298.7	300.5	301.0	301.0
15°	298.7	299.2	300.3	300.7	301.2
17.5°	295.4	294.5	294.9	295.2	294.9
20°	287.3	286.3	286.1	285.2	285.7
22.5°	278.4	276.0	274.3	272.4	272.4
25°	267.8	263.8	260.6	257.3	258.0
27.5°	257.8	252.6	249.4	247.4	246.8
30°	248.1	242.7	239.7	237.1	237.1
32.5°	231.8	228.1	224.1	222.5	222.3
35°	209.2	206.9	203.7	203.0	201.9
37.5°	183.9	183.2	180.4	180.2	179.1
40°	157.5	157.9	157.0	156.6	155.9
42.5°	131.0	133.3	132.8	132.6	132.1
45°	105.7	107.3	107.6	108.2	109.4
47.5°	83.1	83.6	84.0	83.8	84.0
50°	65.1	63.8	63.6	62.9	63.6
52.5°	52.5	50.7	49.7	48.8	48.3
55°	46.2	44.4	43.4	43.0	42.5
57.5°	44.6	42.7	41.3	40.4	40.2
60°	45.1	42.3	40.4	39.3	39.1
62.5°	46.2	42.5	39.9	38.8	38.5
65°	46.0	42.1	39.7	38.3	38.1
66°	45.3	41.6	39.3	38.1	37.8
67.5°	44.1	40.8	38.8	37.8	37.4
70°	42.1	39.9	38.3	37.2	36.7
72.5°	40.2	38.5	37.2	36.0	35.8
75°	38.1	36.7	35.3	34.4	34.1
77.5°	35.5	34.1	33.2	32.5	32.3
80°	31.4	30.5	29.5	28.6	28.6
82.5°	26.0	25.3	24.4	23.7	23.4
85°	20.0	20.0	19.3	18.5	18.3
87.5°	11.8	11.6	11.6	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

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