

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: P156848

Luminaire Tested: **AVS-E01-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156848
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-E01-LED-E-U-T4-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.6 lumens
Efficiency: N/A
Efficacy: 103.3 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): 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: 28.75 FT

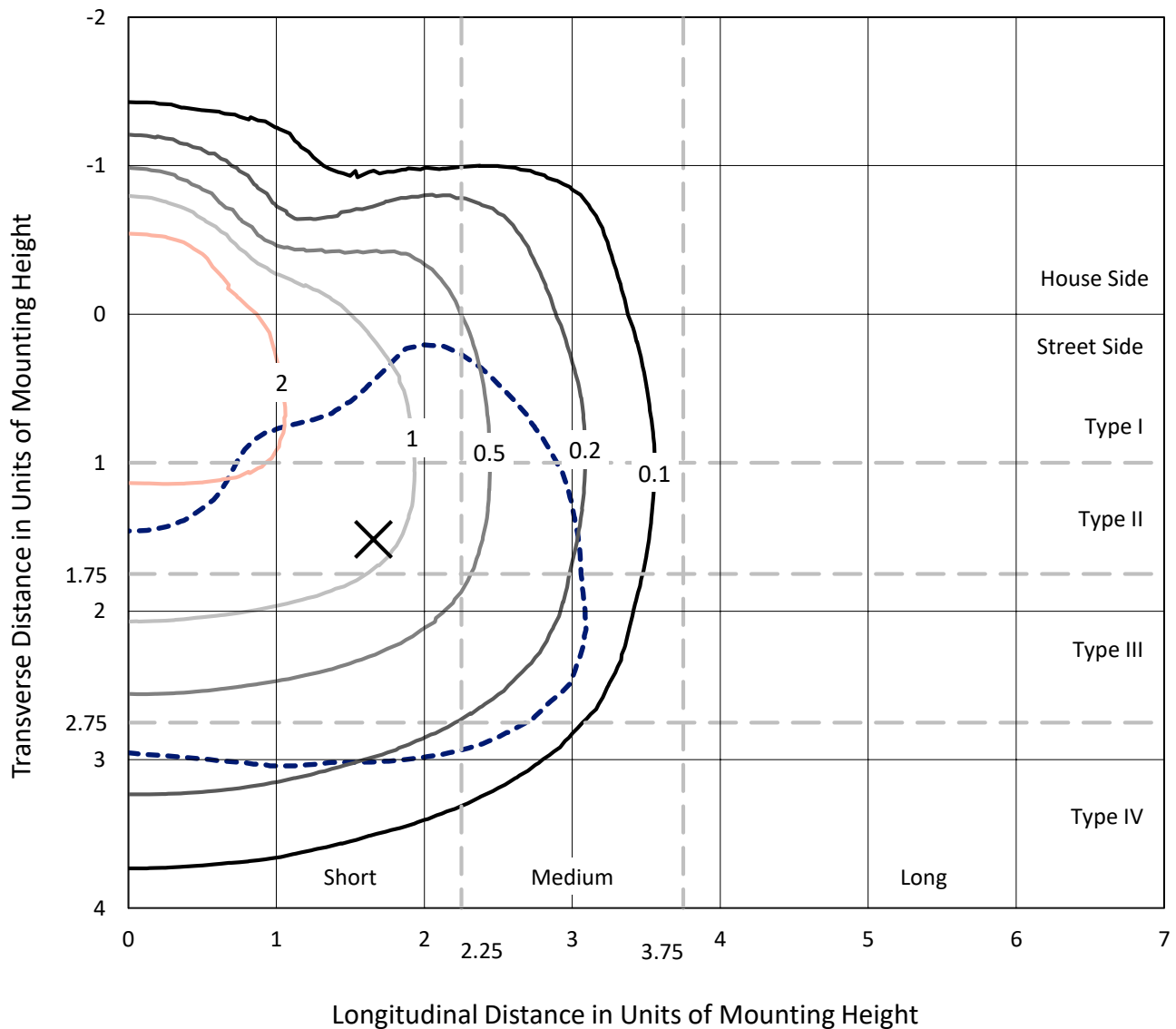


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

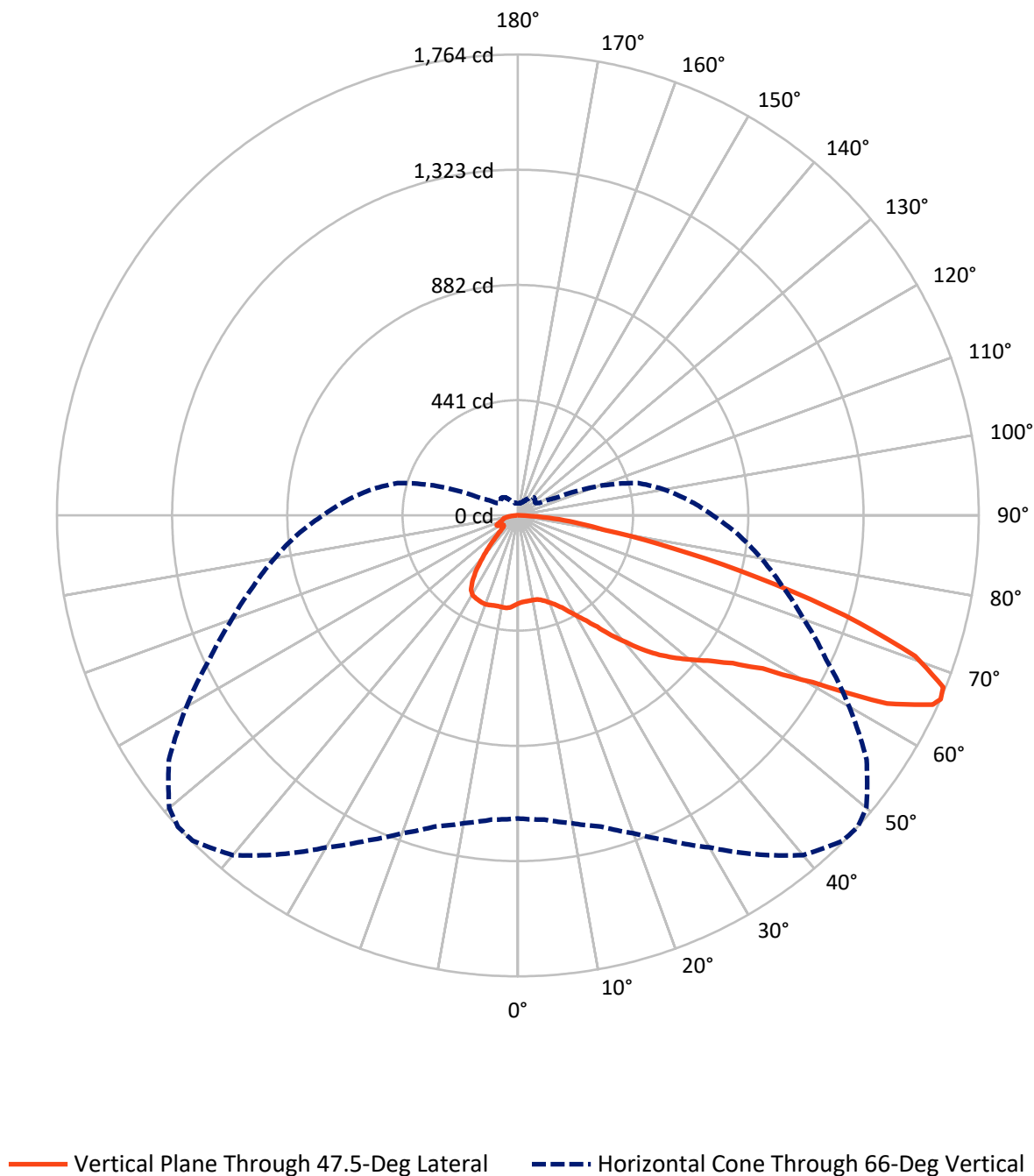


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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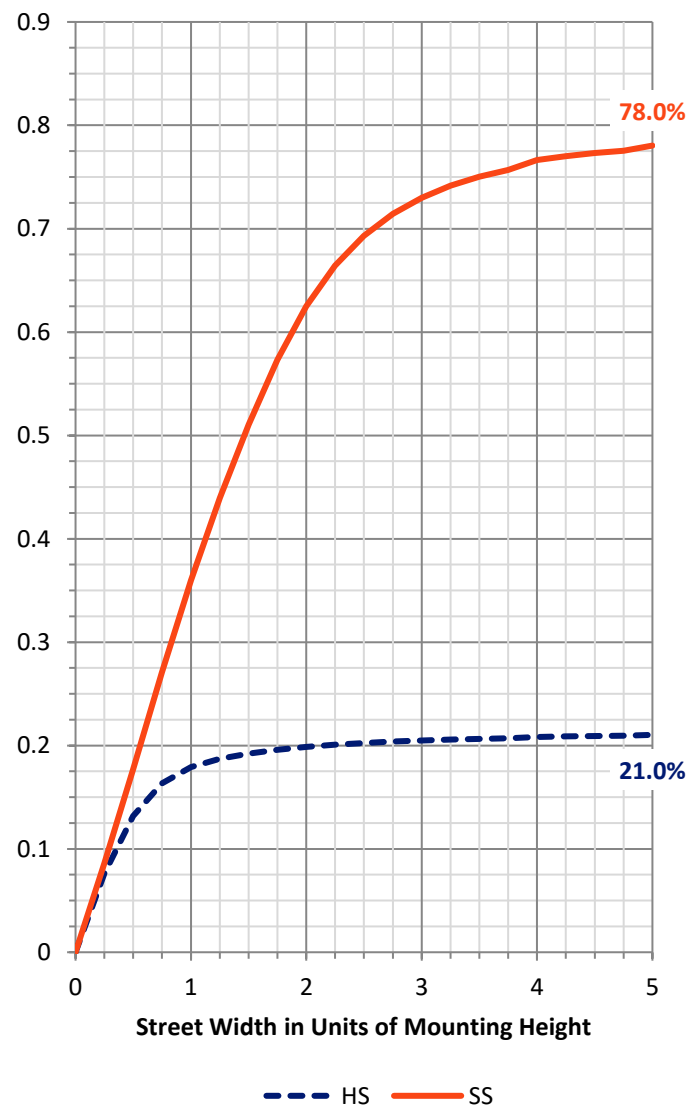
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.2	0.0	544.2
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	2006.3	0.0	2006.3
	% Fixture	78.7	0.0	78.7
Total	Lumens	2550.6	0.0	2550.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.3
10°-20°	99.1	3.9
20°-30°	170.7	6.7
30°-40°	258.3	10.1
40°-50°	334.8	13.1
50°-60°	461.6	18.1
60°-70°	717.1	28.1
70°-80°	417.0	16.3
80°-90°	59.3	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°	2550.6	100.0
0°-180°	2550.6	100.0

Coefficient of Utilization



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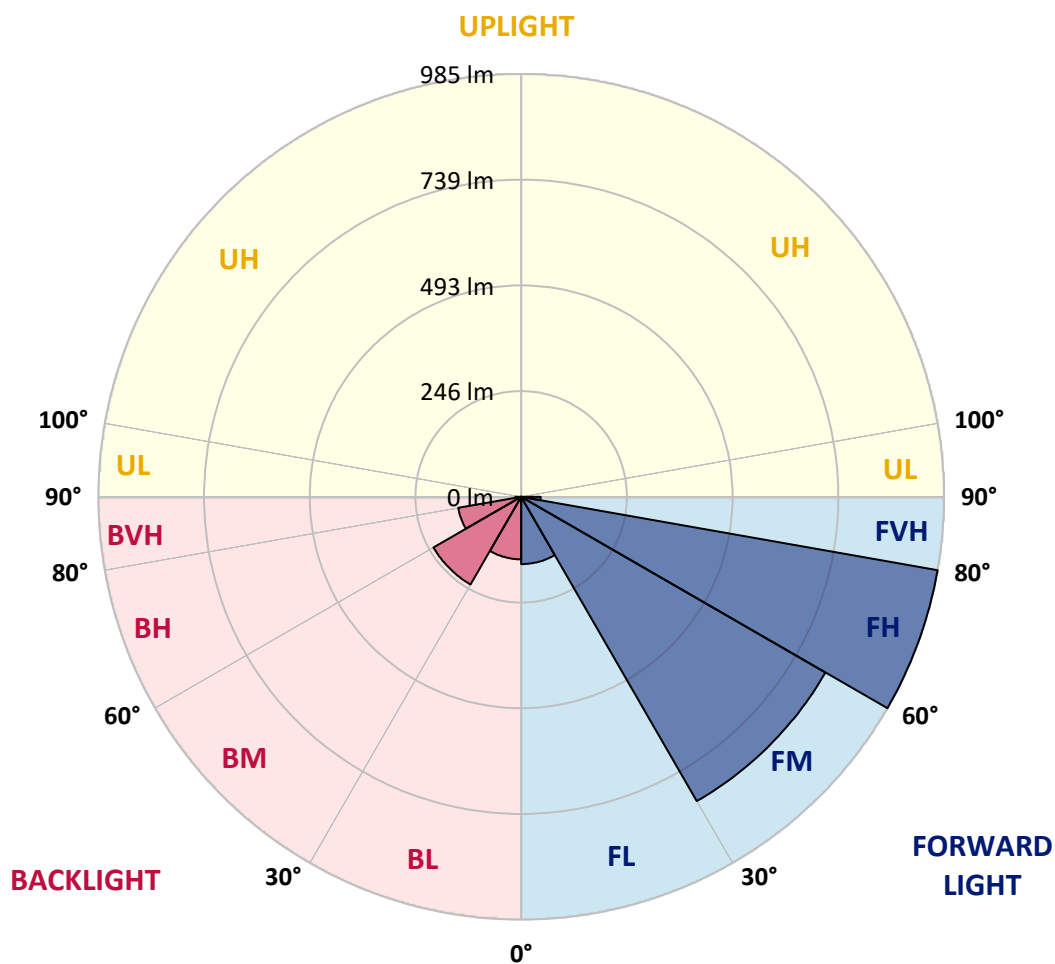
CATALOG NUMBER: AVS-E01-LED-E-U-T4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.8	6.1			
FM	(30°-60°)	818.7	32.1			
FH	(60°-80°)	985.3	38.6			G1/1800
FVH	(80°-90°)	45.5	1.8			G1/100
BL	(0°-30°)	145.7	5.7	B1/500		
BM	(30°-60°)	235.9	9.2	B1/1000		
BH	(60°-80°)	148.8	5.8	B1/500		G1/500
BVH	(80°-90°)	13.8	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°	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2
2.5°	330.1	331.1	330.3	330.6	330.6	330.9	330.9	331.1	330.9	331.7	332.2
5°	324.0	324.7	324.4	325.0	325.5	326.6	326.3	327.8	328.1	328.9	330.3
7.5°	321.9	321.2	321.6	322.4	323.0	323.5	324.0	325.2	326.0	328.1	329.1
10°	324.0	323.8	324.0	324.7	324.7	325.0	324.4	325.5	326.0	327.8	328.9
12.5°	333.4	333.4	332.8	332.8	332.2	331.7	330.3	329.4	329.1	329.4	330.1
15°	348.3	347.8	346.6	345.8	344.7	342.7	340.7	339.0	337.9	336.2	335.6
17.5°	362.9	362.1	360.9	359.8	358.4	356.5	353.4	351.4	348.3	346.3	345.2
20°	379.8	378.1	376.7	375.3	372.4	371.9	368.8	365.5	361.8	357.3	356.7
22.5°	401.8	399.0	397.2	396.4	393.6	392.7	387.7	382.9	378.3	372.4	371.1
25°	423.9	421.1	420.3	419.2	417.2	416.1	411.3	406.0	400.0	391.9	390.2
27.5°	445.6	445.9	443.6	444.5	443.9	442.0	437.2	431.8	427.4	417.8	415.9
30°	472.6	471.0	469.8	471.5	469.5	469.8	465.6	462.8	455.4	449.8	445.9
32.5°	500.7	500.5	502.2	503.3	503.0	502.5	499.1	496.3	489.8	481.7	480.0
35°	539.3	541.0	542.4	547.5	547.5	551.1	547.8	544.4	536.8	526.9	523.5
37.5°	565.5	566.0	571.7	578.4	586.8	594.7	597.0	597.8	594.7	587.5	582.4
40°	589.4	590.5	599.5	609.9	622.3	637.8	647.0	651.3	652.1	648.7	637.8
42.5°	613.3	615.0	624.2	639.5	656.6	676.3	692.6	703.0	708.9	708.9	702.5
45°	641.1	643.4	653.6	670.2	690.1	714.8	737.4	757.3	766.9	767.5	761.2
47.5°	674.1	676.1	687.9	704.8	725.3	750.3	778.8	801.6	819.3	820.3	815.3
50°	716.6	719.4	729.2	744.4	765.5	790.8	819.3	851.0	869.6	874.1	868.7
52.5°	772.8	773.4	781.6	795.6	816.2	840.3	870.5	905.1	929.5	933.2	924.5
55°	850.5	849.6	854.9	870.2	885.6	904.5	935.8	974.5	1001.9	1007.5	998.4
57.5°	956.0	955.1	959.6	963.3	992.2	1010.6	1041.2	1078.3	1104.8	1121.1	1105.6
60°	1119.4	1118.5	1125.9	1147.3	1168.9	1195.6	1225.5	1269.9	1307.0	1311.8	1296.7
62.5°	1237.8	1242.1	1258.1	1283.1	1327.0	1379.4	1434.0	1492.4	1568.7	1592.8	1585.6
65°	1196.5	1205.0	1227.2	1265.2	1323.6	1396.0	1481.5	1587.6	1689.6	1746.7	1745.1
66°	1159.4	1168.6	1196.0	1232.5	1294.4	1373.5	1466.8	1582.5	1696.7	1759.7	1763.6
67.5°	1091.8	1102.3	1129.0	1172.3	1232.5	1316.6	1417.1	1542.8	1671.9	1745.4	1755.8
70°	960.4	972.2	991.7	1027.5	1086.7	1161.9	1267.7	1380.2	1515.5	1599.7	1612.3
72.5°	802.9	813.4	835.0	864.2	913.0	960.2	1043.2	1126.1	1222.9	1318.9	1309.6
75°	576.5	580.9	593.9	625.7	651.8	694.3	761.0	829.1	895.2	939.1	945.3
77.5°	299.6	311.4	329.7	364.9	393.3	431.6	474.9	526.1	574.5	614.7	603.7
80°	196.1	201.1	217.5	235.4	256.3	280.7	309.7	328.9	335.0	332.5	335.0
82.5°	113.1	122.4	144.0	157.8	173.3	181.8	204.8	226.7	239.2	223.6	218.0
85°	14.3	18.5	58.5	73.7	84.4	97.1	104.0	117.3	109.4	97.9	119.3
87.5°	3.1	2.8	3.9	8.4	8.7	7.4	13.8	14.6	9.0	4.5	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2
2.5°	332.8	333.1	333.7	334.5	335.0	335.6	336.2	337.0	337.6	338.1	339.3
5°	331.4	332.5	333.7	334.8	336.2	338.4	339.9	340.9	342.1	344.4	345.2
7.5°	330.6	332.5	334.2	336.2	338.4	340.4	342.9	344.4	346.0	347.5	349.1
10°	330.1	332.8	334.5	337.3	339.9	341.9	344.7	346.3	348.3	349.9	350.8
12.5°	331.1	332.5	334.2	337.0	340.1	342.9	346.0	347.5	349.1	350.6	350.8
15°	336.0	336.0	336.2	338.4	341.6	343.8	346.3	347.8	348.6	349.4	349.4
17.5°	344.7	342.7	341.2	341.6	343.5	344.9	346.3	346.3	345.8	345.5	344.9
20°	354.7	352.2	349.4	347.5	346.8	345.8	344.9	342.1	339.9	337.9	336.5
22.5°	369.4	365.5	361.6	357.8	354.5	350.3	345.5	339.9	334.5	330.9	328.6
25°	387.4	384.2	379.5	373.9	369.6	361.8	355.6	347.5	340.7	336.0	332.0
27.5°	413.0	409.3	404.9	399.8	393.6	384.9	377.3	367.7	359.6	352.5	347.5
30°	444.8	440.0	436.6	430.5	426.2	416.4	408.8	397.0	381.2	369.9	362.9
32.5°	477.4	472.0	469.2	464.5	459.7	453.8	442.3	423.9	403.7	385.4	373.4
35°	521.0	515.4	510.4	506.1	499.1	488.1	478.0	456.1	428.2	402.6	382.3
37.5°	575.9	566.6	554.0	543.2	530.9	515.1	499.7	477.1	445.4	412.1	385.2
40°	634.4	618.0	600.1	580.1	558.8	536.0	518.2	495.4	459.7	420.3	383.2
42.5°	695.4	669.5	644.6	616.4	586.5	559.6	536.5	511.5	470.4	422.6	375.3
45°	756.0	726.9	689.0	652.1	614.4	580.9	555.0	526.9	480.2	423.4	364.9
47.5°	806.0	776.2	732.8	686.7	642.0	604.0	573.7	543.2	493.5	429.3	362.4
50°	858.9	822.6	774.5	719.9	669.3	626.8	594.4	562.9	512.0	444.5	370.5
52.5°	916.6	874.9	818.7	757.6	702.2	654.6	619.5	587.2	535.6	465.9	386.0
55°	986.9	936.0	874.9	806.0	746.6	694.1	655.2	617.0	563.8	491.2	405.4
57.5°	1094.4	1031.9	963.3	884.8	819.0	756.8	710.4	666.2	607.4	528.9	431.8
60°	1288.8	1222.1	1133.0	1037.8	960.4	887.9	819.8	765.0	692.6	603.2	490.4
62.5°	1567.3	1478.7	1359.7	1226.6	1125.3	1020.6	943.8	862.3	772.5	676.1	559.3
65°	1722.1	1614.5	1455.3	1300.8	1170.6	1057.0	959.4	864.8	765.2	673.0	575.3
66°	1741.1	1629.2	1463.7	1301.1	1164.5	1047.7	945.0	847.0	745.3	657.2	568.6
67.5°	1733.3	1618.8	1448.3	1276.7	1137.7	1012.2	906.1	804.6	703.0	620.9	546.0
70°	1604.1	1495.5	1328.2	1161.9	1029.9	906.1	804.9	705.0	611.9	541.6	486.4
72.5°	1332.1	1239.3	1093.8	963.3	859.8	757.6	671.8	576.5	497.7	445.6	413.0
75°	961.6	905.3	772.8	698.0	607.2	539.3	456.1	399.5	342.9	317.6	312.0
77.5°	607.4	531.7	447.6	368.5	303.0	251.2	195.5	166.0	138.4	135.6	163.7
80°	307.5	276.8	213.3	169.9	142.9	115.6	91.4	69.2	48.4	58.2	69.7
82.5°	201.5	168.0	131.7	108.3	94.2	78.2	60.7	42.2	31.0	34.9	47.9
85°	108.9	92.8	74.8	59.1	47.9	42.8	28.7	20.2	20.0	21.3	27.3
87.5°	7.9	7.9	6.2	5.6	6.7	5.6	5.1	5.1	4.8	5.1	6.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2
2.5°	339.9	340.7	340.9	342.4	343.2	343.8	344.4	344.4	344.7	345.5	345.8
5°	346.3	347.8	349.4	350.6	351.1	352.7	353.4	353.4	353.9	355.0	355.9
7.5°	350.3	352.2	353.9	354.5	355.6	356.2	357.0	357.6	357.6	358.7	359.3
10°	351.7	352.7	354.5	354.5	355.6	355.6	356.5	356.7	356.7	357.8	358.7
12.5°	351.7	352.2	353.7	353.7	354.5	354.7	355.9	356.7	357.0	358.4	359.6
15°	349.9	350.6	351.7	351.9	353.9	355.0	357.6	359.3	359.3	360.6	361.2
17.5°	345.2	346.6	348.8	351.1	354.7	357.3	360.4	361.8	360.6	359.8	359.0
20°	337.3	339.9	345.2	350.8	357.3	360.6	362.4	360.9	357.0	353.1	350.6
22.5°	329.4	334.5	343.5	351.9	359.3	361.6	360.6	355.6	349.1	344.4	340.9
25°	333.1	339.0	347.8	355.3	360.1	359.6	356.2	349.1	342.1	336.0	330.3
27.5°	348.3	354.7	359.6	362.1	361.6	357.6	352.2	344.4	336.0	327.8	319.9
30°	362.6	366.0	367.2	365.2	360.6	354.2	347.5	338.4	327.2	317.1	308.1
32.5°	369.1	365.7	360.4	355.0	347.8	342.1	332.8	323.0	308.9	296.8	287.8
35°	369.1	355.6	342.1	330.9	319.9	312.8	302.2	288.9	276.0	265.9	258.9
37.5°	360.9	335.0	312.8	294.5	280.7	273.2	257.1	245.3	234.3	231.0	226.4
40°	346.0	307.8	275.8	251.8	234.3	223.1	207.0	198.9	194.7	193.0	192.1
42.5°	326.0	277.4	234.6	205.1	186.2	173.6	162.9	157.8	157.5	157.3	157.3
45°	304.7	244.8	194.7	159.5	142.9	131.7	126.6	124.7	126.3	126.0	126.3
47.5°	291.5	220.0	158.1	120.7	108.0	100.7	98.1	99.1	100.4	99.9	99.9
50°	289.7	207.4	133.7	94.0	84.4	80.7	80.2	80.2	81.0	80.4	80.2
52.5°	296.0	205.4	120.9	80.7	73.2	70.1	69.5	69.2	68.9	67.3	65.8
55°	306.6	209.8	117.3	77.4	69.5	66.1	65.3	64.7	63.6	61.3	58.8
57.5°	328.1	223.9	120.7	79.1	70.6	67.8	66.9	66.9	64.7	61.0	57.4
60°	379.5	259.7	134.5	85.5	76.0	73.2	73.7	73.5	70.1	64.7	59.1
62.5°	445.9	306.3	152.4	94.5	82.7	82.2	85.0	84.4	78.8	70.6	62.5
65°	476.6	328.3	157.5	96.5	84.1	86.6	92.2	91.7	84.7	73.5	63.0
66°	477.1	328.3	155.3	94.8	82.2	85.3	90.9	90.6	83.5	72.3	61.9
67.5°	465.6	319.3	148.8	91.4	78.2	80.4	85.5	85.3	78.8	69.5	59.7
70°	422.3	285.8	132.2	85.5	72.8	71.7	73.5	72.3	68.1	61.7	54.8
72.5°	361.8	240.0	115.3	81.0	69.2	64.7	63.6	62.7	59.4	55.8	51.5
75°	285.0	189.9	101.2	77.6	65.8	59.9	57.9	56.8	54.6	52.0	48.7
77.5°	175.9	135.9	88.3	73.2	63.3	57.4	56.0	54.3	50.9	47.9	45.3
80°	78.4	84.1	72.5	63.8	56.6	51.2	48.9	46.4	43.0	41.0	39.7
82.5°	52.3	54.3	52.6	47.9	42.8	38.5	35.1	35.1	34.6	33.0	32.3
85°	33.5	33.8	32.6	29.5	27.6	25.1	23.6	23.9	25.1	24.8	24.5
87.5°	7.6	7.6	9.0	8.4	9.8	10.4	11.3	12.1	13.8	13.8	14.6
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):

	160°	165°	170°	175°	180°
0°	336.2	336.2	336.2	336.2	336.2
2.5°	346.0	346.6	347.2	346.3	346.6
5°	355.9	355.6	357.0	356.2	356.7
7.5°	359.0	359.3	360.4	360.4	360.6
10°	359.3	359.8	361.2	362.1	362.6
12.5°	360.6	361.8	364.0	364.6	364.6
15°	361.8	362.4	363.7	364.4	364.9
17.5°	357.8	356.7	357.3	357.6	357.3
20°	348.0	346.8	346.6	345.5	346.0
22.5°	337.3	334.2	332.2	330.1	330.1
25°	324.4	319.6	315.6	311.7	312.5
27.5°	312.2	306.1	302.2	299.6	299.1
30°	300.4	294.0	290.4	287.3	287.3
32.5°	280.7	276.3	271.5	269.5	269.2
35°	253.5	250.7	246.7	245.9	244.5
37.5°	222.8	222.0	218.5	218.3	216.9
40°	190.8	191.3	190.2	189.6	188.8
42.5°	158.7	161.5	160.9	160.6	160.1
45°	128.0	129.9	130.3	131.1	132.5
47.5°	100.7	101.2	101.9	101.6	101.9
50°	78.8	77.4	77.1	76.3	77.1
52.5°	63.6	61.3	60.2	59.1	58.5
55°	56.0	53.8	52.6	52.0	51.5
57.5°	54.0	51.8	50.1	48.9	48.7
60°	54.6	51.2	48.9	47.6	47.3
62.5°	56.0	51.5	48.4	46.9	46.7
65°	55.8	50.9	48.1	46.4	46.1
66°	54.8	50.4	47.6	46.1	45.9
67.5°	53.5	49.5	46.9	45.9	45.3
70°	50.9	48.4	46.4	45.0	44.5
72.5°	48.7	46.7	45.0	43.6	43.3
75°	46.1	44.5	42.8	41.7	41.3
77.5°	43.0	41.3	40.2	39.4	39.1
80°	38.0	36.9	35.8	34.6	34.6
82.5°	31.5	30.7	29.5	28.7	28.4
85°	24.1	24.1	23.3	22.5	22.2
87.5°	14.3	14.1	14.1	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

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