

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: P155811

Luminaire Tested: **AVS-E01-LED-E-U-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155811
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-E01-LED-E-U-T3-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3164.4 lumens
Efficiency: N/A
Efficacy: 128.1 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): 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



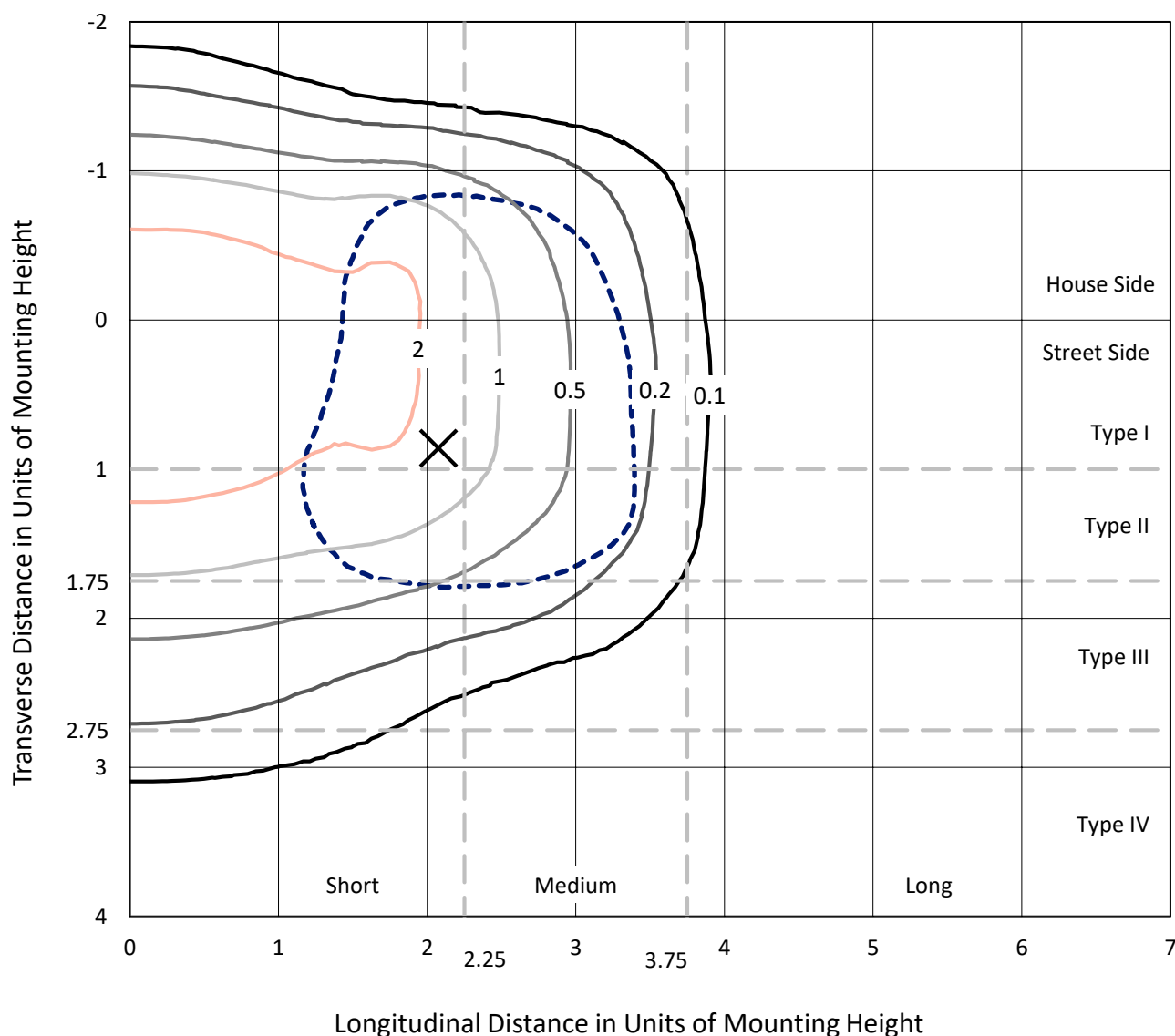
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

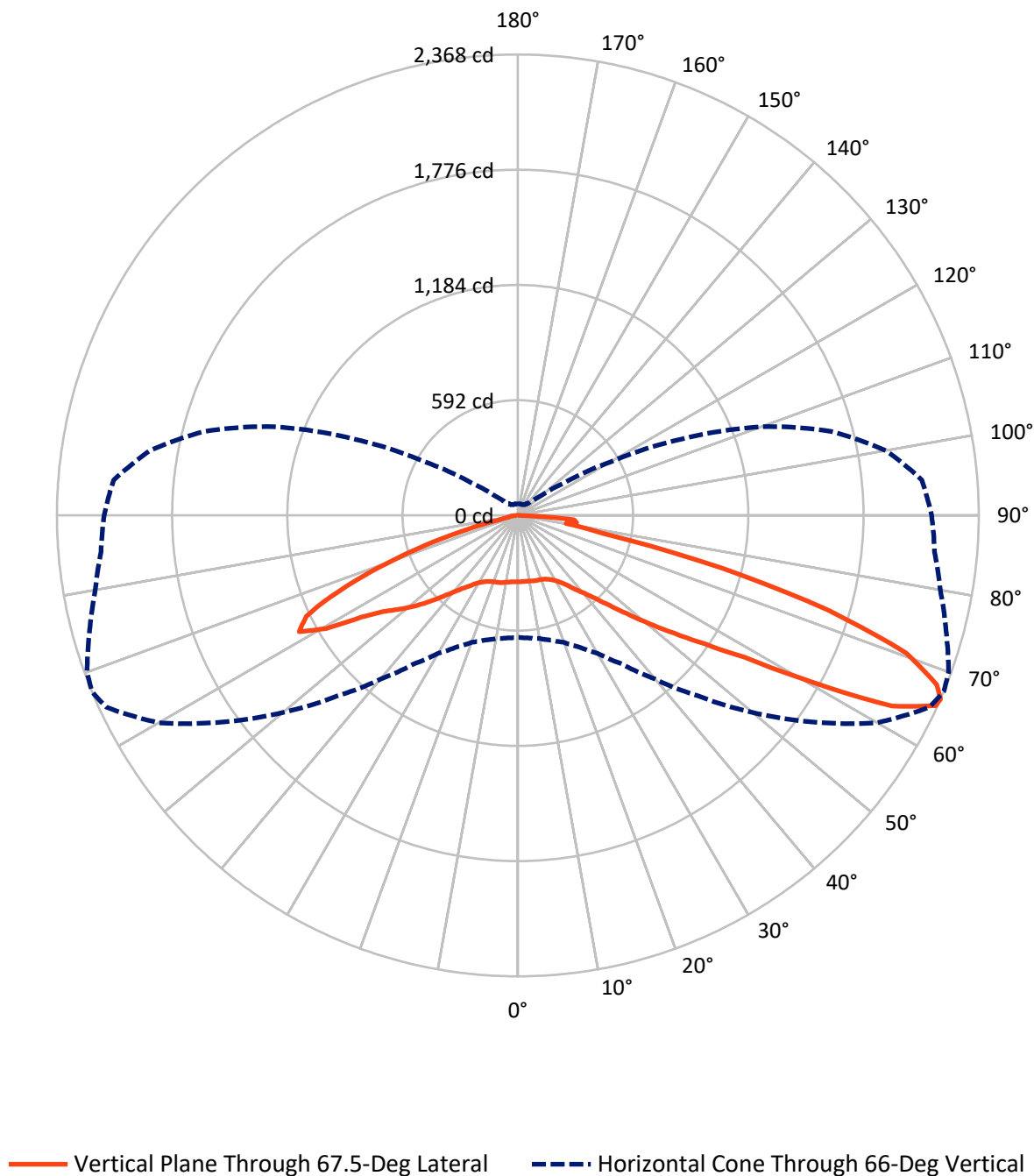


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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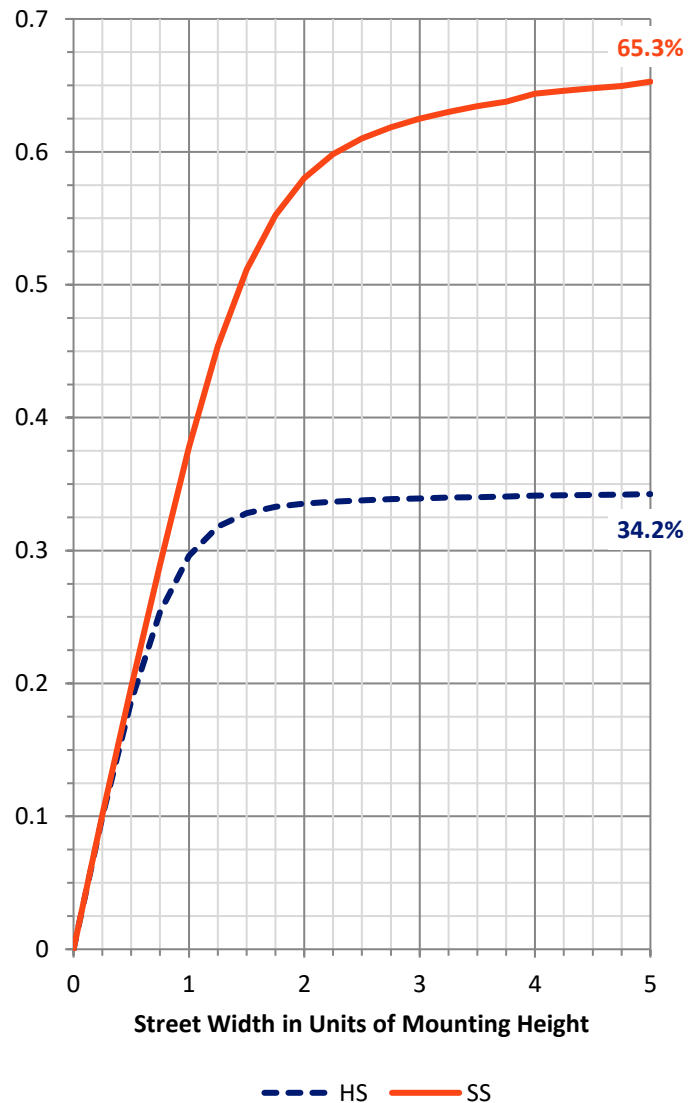
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1092.8	0.0	1092.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	2071.6	0.0	2071.6
	% Fixture	65.5	0.0	65.5
Total	Lumens	3164.4	0.0	3164.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.0
10°-20°	96.4	3.0
20°-30°	165.7	5.2
30°-40°	269.0	8.5
40°-50°	449.1	14.2
50°-60°	707.1	22.3
60°-70°	964.3	30.5
70°-80°	417.4	13.2
80°-90°	62.8	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°	3164.4	100.0
0°-180°	3164.4	100.0

Coefficient of Utilization



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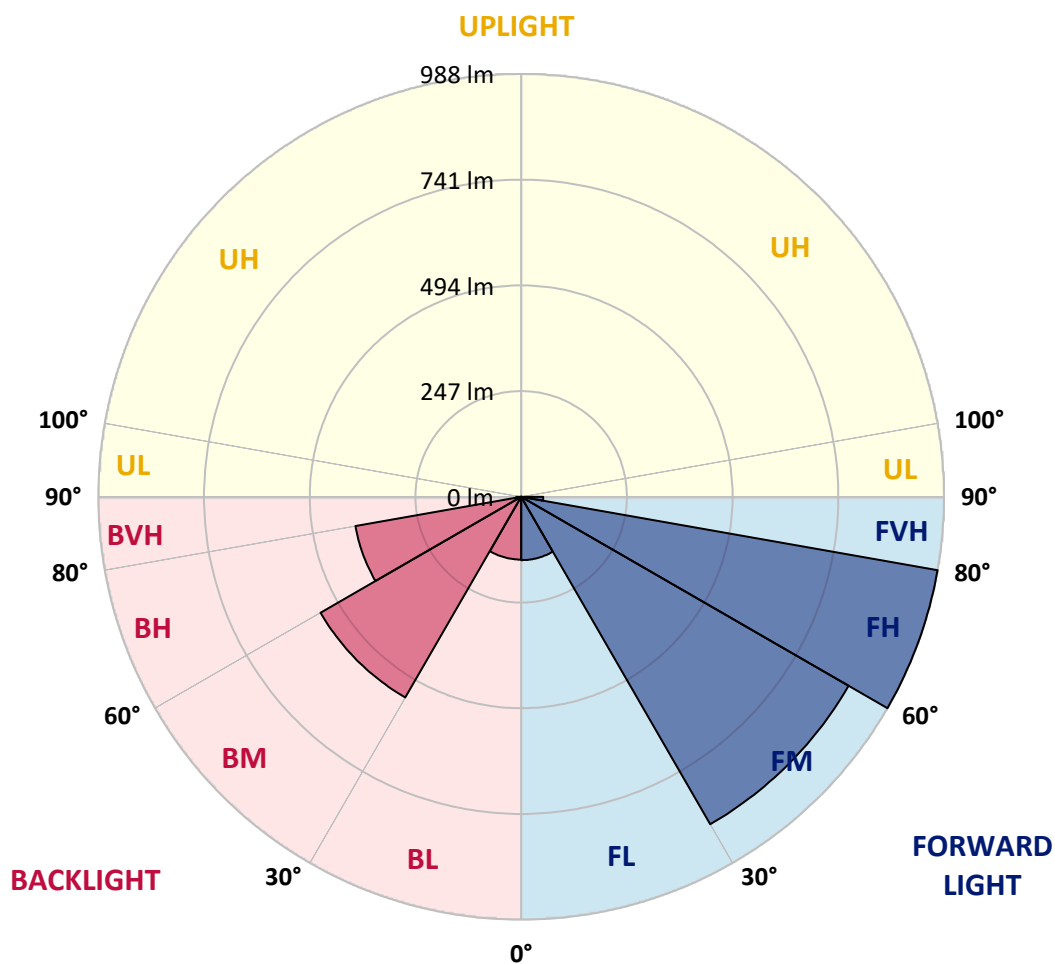
CATALOG NUMBER: AVS-E01-LED-E-U-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.0	4.7			
FM	(30°-60°)	883.7	27.9			
FH	(60°-80°)	988.4	31.2			G1/1800
FVH	(80°-90°)	51.5	1.6			G1/100
BL	(0°-30°)	146.7	4.6	B1/500		
BM	(30°-60°)	541.5	17.1	B1/1000		
BH	(60°-80°)	393.3	12.4	B1/500		G1/500
BVH	(80°-90°)	11.2	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0
2.5°	342.4	343.7	342.4	342.7	343.1	342.7	342.4	342.4	341.3	342.1	342.7
5°	341.0	342.1	341.7	342.1	342.4	342.1	341.7	342.1	341.3	341.7	342.7
7.5°	339.3	339.0	339.3	340.0	340.6	340.6	340.6	341.0	340.6	340.6	341.7
10°	334.2	334.5	335.2	336.3	336.6	337.6	337.6	338.7	339.0	339.7	341.0
12.5°	327.7	328.0	328.7	329.4	331.1	332.8	332.8	335.2	336.3	337.9	340.3
15°	322.9	323.2	323.9	324.6	326.0	327.7	328.7	331.4	333.2	336.3	339.7
17.5°	325.6	325.3	326.0	326.3	326.3	327.7	327.7	329.7	331.8	334.5	339.0
20°	333.5	333.5	334.2	334.2	333.8	334.5	333.2	333.2	333.5	334.8	337.9
22.5°	341.3	341.0	342.4	343.1	343.4	344.5	343.1	342.7	341.0	340.0	341.0
25°	348.9	348.5	350.3	351.3	353.0	354.0	354.0	354.0	352.6	350.9	349.9
27.5°	360.5	360.5	362.2	363.2	364.6	366.6	367.7	367.7	368.0	365.6	363.9
30°	380.0	380.3	380.7	382.1	383.4	384.1	385.5	386.5	387.6	386.1	383.4
32.5°	403.2	401.2	401.2	403.2	405.0	407.0	407.7	409.1	411.1	410.1	409.7
35°	431.0	430.3	429.6	430.3	432.3	434.7	437.5	439.9	438.4	440.5	439.5
37.5°	472.0	472.6	473.1	473.1	472.6	473.4	474.7	477.1	476.5	477.1	478.5
40°	539.7	537.3	534.9	535.3	531.8	532.5	527.0	529.4	529.8	527.5	528.4
42.5°	607.5	608.8	609.8	612.5	610.2	608.8	603.7	603.7	600.9	598.5	597.9
45°	680.6	683.4	683.7	689.2	687.2	691.6	695.3	694.3	689.8	689.5	684.8
47.5°	739.2	743.6	748.4	754.9	760.0	769.9	781.6	787.4	790.8	793.5	788.1
50°	782.9	785.0	797.3	807.6	818.9	835.2	851.3	872.2	888.9	896.8	904.4
52.5°	806.5	811.6	825.0	841.0	860.9	885.5	911.5	944.7	973.5	992.5	1009.6
55°	811.6	816.8	831.8	852.3	879.4	912.5	949.8	995.0	1038.0	1075.0	1110.9
57.5°	797.3	803.1	819.2	842.8	874.6	914.9	961.8	1020.9	1080.5	1140.3	1193.4
60°	771.0	778.1	792.8	816.1	851.3	896.8	953.0	1027.2	1110.6	1202.3	1303.8
62.5°	727.5	735.0	748.7	774.4	810.7	860.9	925.9	1018.2	1136.3	1280.6	1460.8
65°	657.7	661.1	677.9	703.9	736.1	791.5	863.0	974.5	1128.1	1328.8	1577.1
66°	626.2	632.1	642.4	663.2	694.0	746.0	817.8	931.0	1096.9	1312.0	1574.1
67.5°	577.0	581.5	588.3	602.3	621.1	659.5	727.5	834.6	1001.9	1227.3	1508.7
70°	466.5	468.6	477.8	482.6	489.1	501.8	526.4	588.0	718.2	929.9	1217.6
72.5°	318.1	323.9	333.8	347.5	365.3	382.4	394.0	401.9	429.9	554.8	811.3
75°	233.3	239.4	252.1	270.3	301.3	336.9	373.9	391.0	379.3	363.2	451.8
77.5°	135.4	143.6	154.3	171.7	200.4	247.7	310.9	367.0	405.0	407.4	386.8
80°	57.1	58.1	64.7	73.6	91.3	124.5	173.8	254.5	338.7	395.4	408.7
82.5°	13.0	16.1	20.5	24.2	29.7	41.0	60.9	101.2	183.0	286.9	374.2
85°	4.8	4.8	6.5	9.5	11.0	12.3	16.1	25.7	43.7	80.7	168.3
87.5°	0.0	0.3	0.7	0.7	1.3	1.8	2.7	3.7	3.4	3.1	10.3
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°	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0
2.5°	342.1	341.7	341.0	341.0	341.0	341.0	340.3	340.6	340.0	340.3	340.3
5°	341.7	341.7	341.3	340.6	341.0	341.0	341.3	340.6	340.6	341.0	340.6
7.5°	341.7	341.3	341.3	341.3	341.7	341.3	341.7	341.7	341.7	342.1	342.1
10°	341.7	341.7	342.4	342.7	342.7	343.1	344.0	344.0	344.5	344.8	345.5
12.5°	342.1	343.4	344.5	345.5	345.8	346.5	348.2	348.2	348.9	349.9	350.3
15°	342.4	344.5	346.5	347.2	347.9	349.2	350.9	351.6	352.6	353.7	354.3
17.5°	342.1	344.8	347.2	348.2	349.2	350.9	353.0	353.7	355.0	356.4	357.7
20°	341.7	345.5	349.2	350.6	351.9	354.3	357.1	358.8	360.2	362.2	363.6
22.5°	343.7	348.2	353.4	355.3	357.7	360.8	364.6	366.6	368.4	370.5	371.4
25°	350.3	353.7	359.8	363.2	366.3	371.4	376.6	379.0	381.0	382.7	383.1
27.5°	361.1	362.2	369.7	374.2	378.7	386.8	393.0	394.7	398.4	399.8	399.5
30°	379.0	377.3	383.4	390.3	396.8	408.1	415.5	420.0	423.4	423.4	420.7
32.5°	404.7	401.9	403.6	411.5	419.0	435.4	444.4	450.2	452.5	451.8	446.0
35°	438.1	436.5	435.4	441.6	453.6	472.6	484.4	487.4	491.2	490.5	483.0
37.5°	477.8	476.5	476.5	483.6	495.2	523.6	536.3	538.3	538.0	532.5	518.5
40°	524.7	524.0	520.9	525.0	534.9	571.9	589.0	591.7	588.0	579.1	562.7
42.5°	592.0	588.0	578.3	580.7	588.3	624.2	646.4	654.0	650.3	641.3	614.6
45°	680.0	675.5	659.5	657.4	661.5	693.0	721.7	723.4	722.7	711.4	680.0
47.5°	783.2	776.4	759.3	753.9	752.4	781.6	809.2	812.0	810.3	793.5	751.5
50°	895.1	885.2	873.9	870.2	864.7	885.5	913.6	913.9	907.0	883.8	844.5
52.5°	1014.5	1011.1	1009.0	1005.3	1002.8	1020.9	1038.0	1027.8	1017.5	993.3	959.1
55°	1134.9	1148.9	1163.2	1164.7	1168.7	1188.2	1187.9	1159.8	1152.3	1139.0	1105.1
57.5°	1262.8	1314.8	1359.9	1374.0	1387.7	1423.9	1420.5	1392.7	1383.2	1366.7	1338.8
60°	1436.9	1577.1	1707.5	1738.5	1760.1	1803.5	1799.5	1756.7	1776.6	1775.1	1738.9
62.5°	1680.7	1914.0	2109.3	2157.2	2172.2	2177.1	2151.1	2104.9	2124.4	2146.3	2034.8
65°	1846.0	2120.3	2320.7	2357.6	2359.7	2302.6	2244.8	2190.4	2185.6	2166.8	2007.4
66°	1849.7	2130.6	2331.6	2367.6	2354.9	2276.9	2203.7	2149.0	2125.4	2084.0	1918.9
67.5°	1783.4	2066.5	2283.1	2321.0	2293.4	2182.9	2082.0	2011.5	1965.3	1898.3	1752.5
70°	1497.7	1778.5	2045.4	2116.2	2125.1	1960.2	1820.3	1737.5	1675.3	1583.3	1457.7
72.5°	1113.7	1367.5	1602.8	1670.5	1705.1	1573.4	1455.3	1392.4	1307.3	1210.5	1121.1
75°	698.1	877.3	1035.0	1082.6	1050.1	948.1	877.3	851.0	767.2	709.4	668.7
77.5°	399.2	455.2	467.9	449.7	411.5	315.0	224.0	165.9	144.0	159.4	175.9
80°	389.5	357.1	284.6	250.4	226.7	156.0	91.7	62.9	52.3	53.7	58.1
82.5°	422.1	452.8	372.8	304.0	255.1	172.4	95.1	50.6	34.2	40.3	45.5
85°	274.3	381.8	343.7	289.7	234.6	147.5	78.3	26.3	17.4	22.9	31.5
87.5°	27.7	30.5	26.0	35.2	26.3	12.3	6.1	3.7	3.4	4.1	6.1
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°	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0	341.0
2.5°	340.6	340.6	341.0	341.3	341.7	342.1	342.1	342.1	342.1	342.7	342.4
5°	341.3	342.1	342.7	343.1	343.7	343.7	344.8	344.5	344.5	345.5	345.8
7.5°	342.7	343.7	345.1	344.8	346.1	345.8	346.5	346.5	345.5	345.8	345.1
10°	345.8	347.2	347.9	346.8	347.2	345.8	345.5	343.7	341.7	340.6	339.3
12.5°	350.9	352.3	352.3	350.6	348.5	345.5	343.1	339.3	336.3	334.5	332.8
15°	355.3	356.8	356.4	353.7	350.6	345.8	342.4	337.9	333.5	330.8	329.0
17.5°	358.8	359.5	358.4	354.7	351.3	346.8	343.4	338.7	333.5	330.1	326.9
20°	363.9	363.2	360.8	356.1	352.3	348.2	345.5	341.3	335.5	331.1	326.6
22.5°	371.4	368.7	364.2	359.2	355.3	351.6	348.9	344.5	338.7	333.2	328.0
25°	381.3	375.9	369.7	364.2	360.8	356.8	353.7	348.9	342.7	336.6	330.4
27.5°	395.8	386.1	378.3	373.5	369.7	364.6	360.8	354.7	348.2	341.0	334.2
30°	411.8	398.9	391.3	387.6	383.4	377.9	372.1	364.2	356.8	348.9	340.6
32.5°	432.6	416.9	409.7	406.0	400.5	393.7	386.8	377.9	367.4	357.1	347.2
35°	460.0	443.9	436.5	430.7	423.1	414.2	404.2	392.3	377.9	364.2	351.6
37.5°	489.4	472.0	464.9	458.7	447.4	435.8	421.8	404.2	384.8	366.6	350.9
40°	526.7	510.7	501.5	490.8	477.5	457.3	435.4	410.1	385.2	362.9	344.5
42.5°	573.9	557.8	544.1	527.5	504.1	473.1	441.9	409.1	379.0	353.7	333.8
45°	636.5	617.0	593.5	564.0	526.4	483.0	442.3	402.6	367.4	339.3	318.1
47.5°	713.2	683.4	644.8	595.1	541.1	485.7	436.8	389.5	349.2	318.8	295.1
50°	804.1	757.3	693.7	620.8	548.6	481.6	423.1	370.1	323.5	291.1	263.0
52.5°	908.1	831.5	737.7	639.3	548.3	467.9	399.8	340.6	290.1	253.8	227.2
55°	1030.3	916.3	783.2	653.0	538.8	442.6	364.2	299.3	248.7	215.1	190.5
57.5°	1209.1	1053.8	862.6	674.2	519.6	403.6	316.1	249.6	205.2	173.4	152.5
60°	1536.1	1283.3	1005.6	716.9	490.2	346.5	259.6	196.7	159.4	133.8	119.7
62.5°	1782.4	1460.8	1082.9	707.4	431.0	276.1	192.5	143.3	117.3	99.9	91.0
65°	1747.2	1405.8	1000.4	609.1	337.9	194.6	127.9	97.5	80.7	72.5	67.4
66°	1667.5	1333.9	929.0	548.3	292.1	161.8	105.4	81.8	69.4	63.6	60.2
67.5°	1516.3	1200.5	801.0	449.4	224.4	117.3	79.4	64.7	56.5	54.1	51.6
70°	1260.4	957.3	562.3	261.7	114.6	65.3	50.3	45.2	43.1	42.8	42.1
72.5°	965.9	677.6	331.1	123.8	59.5	43.4	39.0	37.3	36.6	36.6	36.9
75°	592.0	380.7	146.4	60.5	41.8	36.6	34.5	33.9	33.5	33.9	33.5
77.5°	197.7	121.0	62.6	45.8	37.9	33.9	32.5	31.8	31.8	31.8	31.8
80°	60.5	52.6	47.9	42.4	36.0	32.1	30.1	29.7	30.1	30.5	29.4
82.5°	45.5	43.1	40.3	37.6	32.5	28.7	28.1	28.1	28.1	27.0	25.7
85°	33.5	33.2	27.4	25.7	23.9	23.9	23.9	23.9	22.9	21.2	19.8
87.5°	6.1	5.8	6.1	6.5	9.5	10.3	10.3	11.0	12.0	11.3	11.3
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°	341.0	341.0	341.0	341.0	341.0
2.5°	342.4	342.1	343.1	342.4	342.7
5°	345.5	345.1	345.8	345.1	346.1
7.5°	344.5	343.7	343.4	343.7	344.0
10°	337.2	336.6	336.3	335.9	336.3
12.5°	331.1	329.7	329.7	329.0	329.4
15°	326.6	325.6	325.3	324.6	325.0
17.5°	324.6	322.9	322.2	321.6	321.6
20°	323.2	321.1	320.1	319.5	319.1
22.5°	323.2	320.1	318.8	318.1	317.7
25°	324.6	320.8	318.8	317.7	317.4
27.5°	327.4	322.6	320.1	318.8	318.8
30°	332.1	326.0	322.6	320.8	320.5
32.5°	336.9	328.7	323.9	321.9	321.1
35°	339.3	328.7	322.9	319.5	318.8
37.5°	336.6	324.2	317.1	311.9	310.9
40°	328.0	315.0	307.2	302.4	301.7
42.5°	316.7	304.0	294.8	291.4	290.4
45°	301.3	286.3	277.1	272.2	272.6
47.5°	275.0	259.6	251.4	246.9	247.7
50°	243.8	228.8	221.7	216.9	217.9
52.5°	209.6	196.0	189.1	186.7	186.1
55°	173.8	163.1	158.3	155.6	154.6
57.5°	140.9	133.4	129.9	126.5	126.9
60°	111.2	107.4	106.3	102.6	102.3
62.5°	87.6	85.2	84.1	81.5	81.8
65°	66.3	65.7	66.3	64.7	65.3
66°	59.9	60.2	60.2	59.2	59.9
67.5°	51.6	52.3	53.4	52.3	53.1
70°	42.8	43.4	44.1	44.1	44.1
72.5°	37.3	37.9	38.3	38.3	38.3
75°	34.2	34.5	34.9	34.2	34.2
77.5°	32.1	32.1	31.5	31.1	30.8
80°	29.1	28.7	27.7	27.0	27.0
82.5°	24.2	23.6	22.9	21.9	21.9
85°	18.4	17.8	17.1	15.8	15.0
87.5°	9.5	9.9	9.5	7.9	6.8
90°	0.0	0.0	0.0	0.0	0.0

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