

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: P156276

Luminaire Tested: **AVM-F01-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156276
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F01-LED-E-U-T4-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1638.3 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

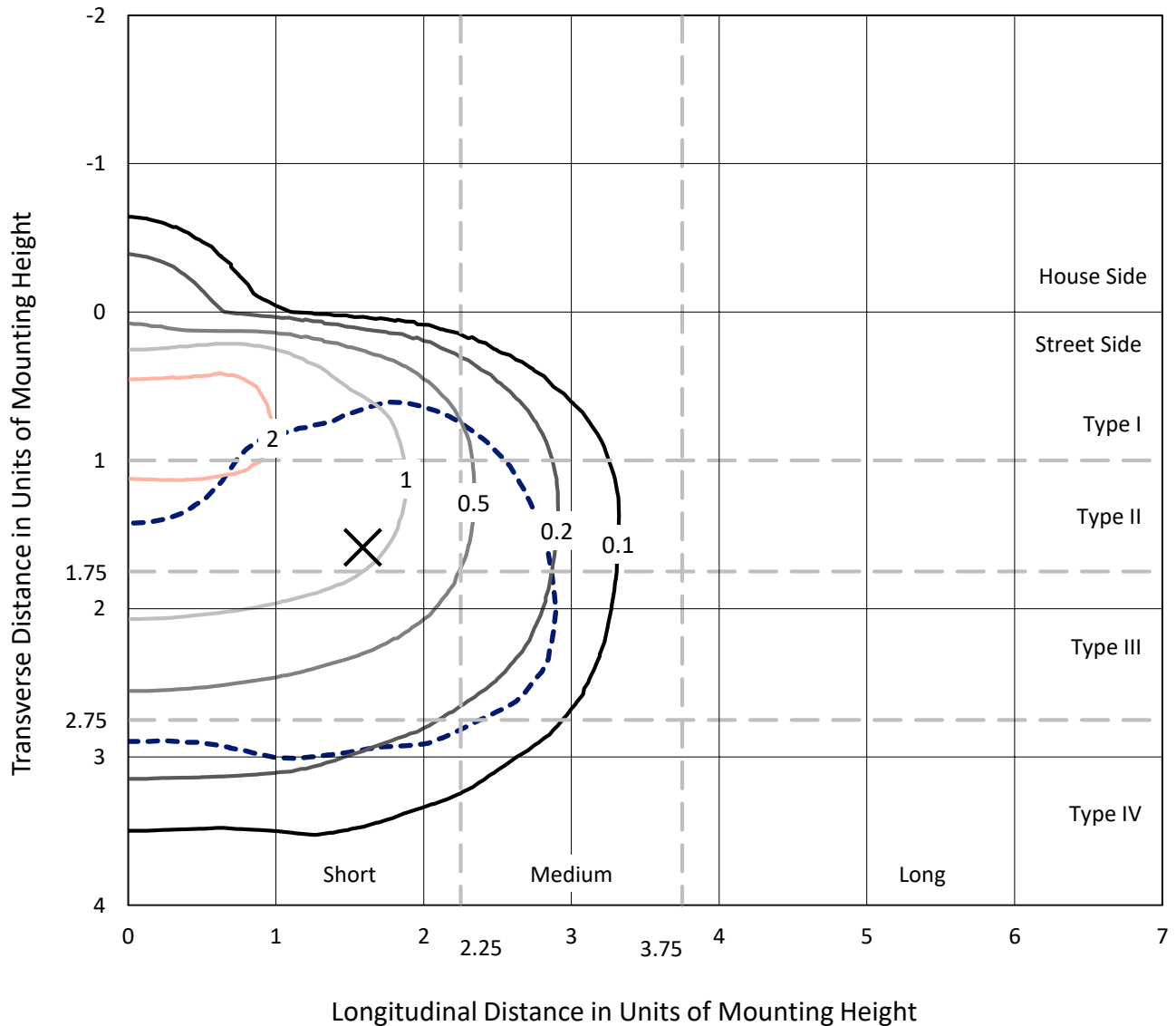
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

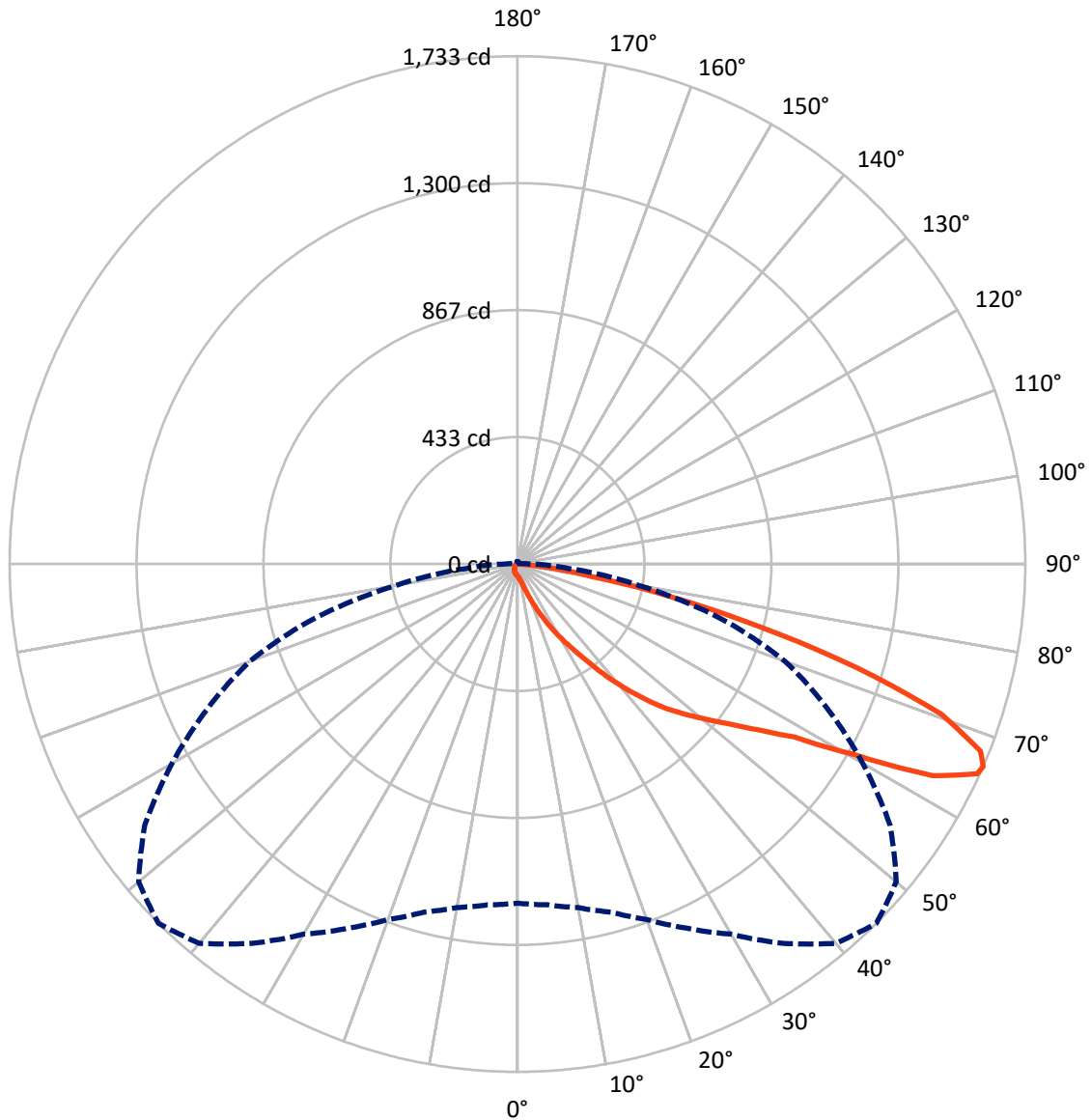
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.1	0.0	37.1
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1601.2	0.0	1601.2
	% Fixture	97.7	0.0	97.7
Total	Lumens	1638.3	0.0	1638.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.3
10°-20°	16.7	1.0
20°-30°	48.9	3.0
30°-40°	114.3	7.0
40°-50°	214.8	13.1
50°-60°	355.9	21.7
60°-70°	565.0	34.5
70°-80°	292.2	17.8
80°-90°	26.4	1.6
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°	1638.3	100.0
0°-180°	1638.3	100.0

Coefficient of Utilization



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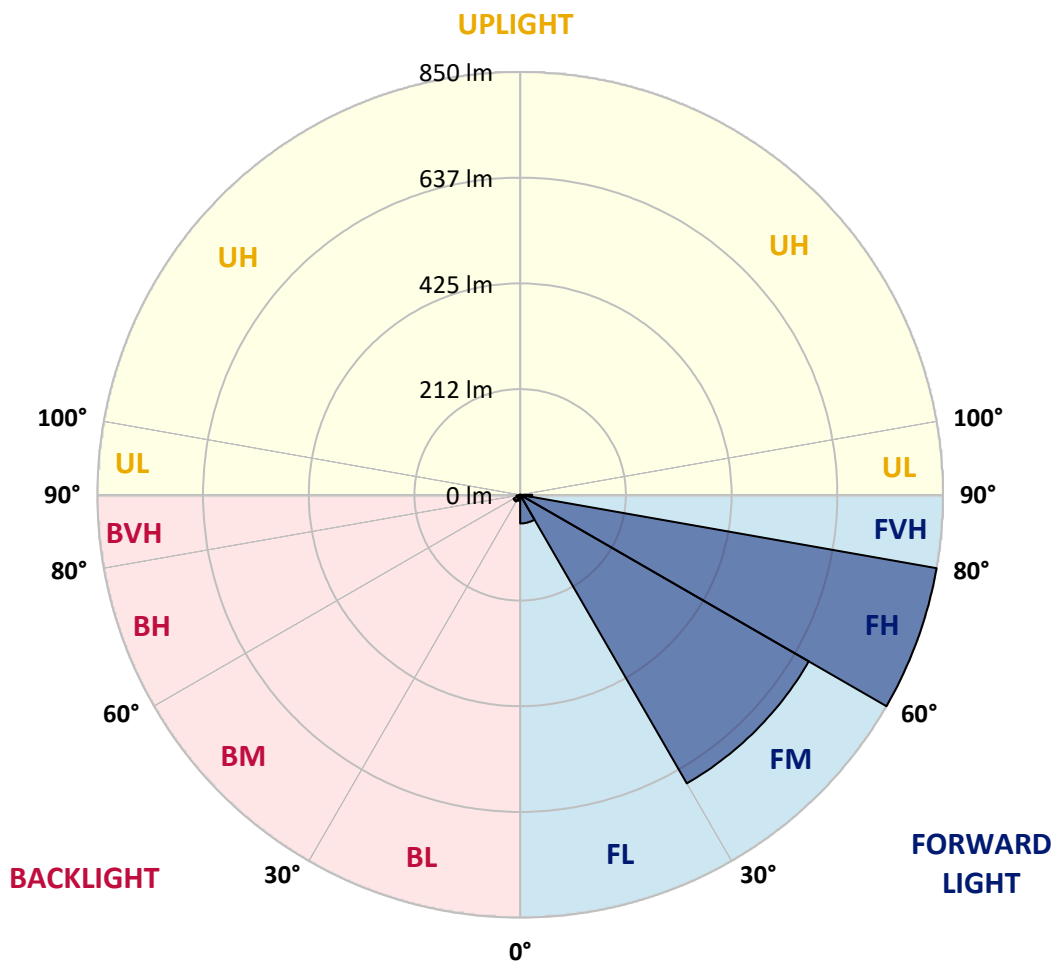
CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.6	3.5			
FM	(30°-60°)	669.6	40.9			
FH	(60°-80°)	849.6	51.9			G1/1800
FVH	(80°-90°)	24.3	1.5			G1/100
BL	(0°-30°)	12.1	0.7	B0/110		
BM	(30°-60°)	15.4	0.9	B0/220		
BH	(60°-80°)	7.5	0.5	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	44.3	44.3	44.3	44.3	44.0	43.8	43.5	43.2	42.9	42.9	42.6
5°	50.3	50.5	50.3	50.0	49.4	49.1	48.3	47.7	46.9	46.6	45.7
7.5°	58.4	58.2	58.4	57.6	56.5	56.2	55.1	53.6	52.5	50.8	49.7
10°	70.3	70.0	70.3	68.6	66.9	65.5	63.5	61.8	59.3	57.3	55.1
12.5°	89.2	89.2	88.7	86.4	84.1	81.0	77.9	74.3	69.7	65.8	62.1
15°	118.3	116.9	114.4	112.9	109.0	104.2	100.8	93.5	87.0	80.8	73.4
17.5°	153.3	150.5	148.5	145.4	140.3	134.1	128.5	117.7	111.2	101.1	90.6
20°	193.4	190.0	189.5	184.7	179.3	172.5	164.3	151.6	140.6	127.9	113.2
22.5°	234.4	234.9	232.7	229.3	223.9	216.0	203.3	191.7	178.2	162.1	143.2
25°	280.1	279.8	277.8	273.9	269.9	260.1	249.9	238.9	222.8	202.2	179.6
27.5°	323.0	322.7	317.9	318.2	310.6	306.9	297.0	285.2	265.7	248.5	223.9
30°	367.9	365.1	362.0	359.7	354.4	347.9	342.8	328.7	314.0	293.7	273.6
32.5°	413.4	410.3	411.1	408.3	404.1	397.6	389.9	378.4	362.5	342.8	324.1
35°	469.0	467.6	465.3	466.2	465.3	460.5	454.0	438.8	421.6	402.6	383.4
37.5°	510.2	508.8	510.2	516.2	517.6	520.7	515.9	508.2	495.8	475.2	455.2
40°	548.3	548.6	555.1	562.5	567.5	577.7	579.4	576.3	566.4	547.5	521.2
42.5°	582.5	586.7	592.7	604.8	615.8	630.2	641.0	642.6	635.3	622.9	596.3
45°	620.6	624.3	633.6	648.0	663.3	681.0	698.3	707.3	706.7	698.0	669.5
47.5°	663.3	668.1	678.2	690.1	710.4	730.5	752.8	768.9	775.6	763.5	735.8
50°	714.9	716.9	725.7	740.9	759.5	782.7	807.0	830.4	843.7	832.4	803.9
52.5°	776.2	776.8	785.0	799.1	814.0	839.5	863.2	895.6	912.9	906.7	872.5
55°	860.3	858.7	864.3	876.4	888.6	913.1	936.9	973.6	998.7	999.3	962.8
57.5°	975.3	971.3	975.0	984.6	998.1	1021.0	1050.9	1083.4	1117.0	1114.8	1084.8
60°	1135.4	1134.0	1140.7	1156.8	1180.0	1203.7	1237.6	1281.3	1311.0	1321.2	1289.8
62.5°	1241.8	1245.8	1261.3	1286.1	1330.8	1379.9	1442.9	1509.8	1566.2	1591.7	1548.5
65°	1196.1	1202.6	1226.8	1263.6	1322.6	1396.3	1479.8	1589.7	1687.1	1725.8	1680.9
66°	1157.4	1167.8	1190.7	1229.7	1291.2	1371.7	1458.9	1580.4	1689.9	1733.4	1687.7
67.5°	1090.5	1097.8	1123.8	1167.0	1233.1	1312.7	1407.0	1535.2	1658.9	1704.9	1659.4
70°	954.1	956.9	978.1	1014.8	1065.9	1147.5	1233.1	1356.5	1470.2	1534.9	1485.2
72.5°	710.1	714.1	749.1	816.0	882.4	928.7	979.2	1078.0	1151.5	1211.9	1202.3
75°	341.7	343.3	366.8	464.5	593.8	649.1	696.0	772.5	800.5	851.0	843.4
77.5°	216.6	220.2	235.5	259.2	332.6	398.4	435.4	479.2	487.4	530.0	505.1
80°	59.6	69.2	84.4	124.2	213.2	254.1	270.8	269.1	270.8	257.8	249.3
82.5°	12.1	11.9	14.4	22.3	94.0	148.0	159.8	136.1	135.2	130.2	134.4
85°	3.1	2.8	3.4	7.1	16.1	43.8	55.1	30.8	23.4	22.3	19.8
87.5°	0.8	0.8	0.8	1.4	1.7	2.3	3.1	2.3	1.7	1.7	1.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	42.4	42.4	42.1	41.8	41.8	41.5	41.2	40.9	40.7	40.4	40.1
5°	44.9	44.3	43.5	42.9	42.4	41.5	40.9	40.4	39.8	39.5	39.0
7.5°	48.3	46.9	45.7	44.0	42.9	41.8	40.7	39.8	39.0	38.4	37.8
10°	52.5	50.3	48.0	45.7	43.8	42.1	40.4	39.0	38.1	37.3	36.7
12.5°	57.9	54.5	51.4	48.0	44.9	42.4	40.1	38.4	37.3	36.4	35.6
15°	66.6	61.3	55.9	50.8	46.9	42.9	39.8	37.8	36.4	35.6	34.7
17.5°	80.5	70.9	62.4	55.3	48.8	43.8	39.8	37.3	35.6	34.4	33.6
20°	100.5	84.7	71.2	61.0	52.5	45.2	39.8	36.4	34.7	33.3	32.5
22.5°	124.2	104.5	85.8	68.9	56.8	47.2	39.8	35.6	33.6	32.5	31.3
25°	159.0	132.7	107.3	83.6	63.8	50.3	40.7	35.0	32.8	31.3	30.2
27.5°	199.6	168.0	136.4	103.1	74.5	54.8	41.8	34.4	31.9	30.2	29.1
30°	245.9	210.9	172.2	129.0	88.7	60.7	43.8	34.2	30.8	29.1	27.7
32.5°	296.2	259.2	216.9	162.4	109.6	69.7	46.3	33.9	29.6	27.7	26.0
35°	356.1	321.6	269.9	209.2	142.0	85.3	52.0	34.4	28.5	26.3	24.3
37.5°	421.6	384.9	330.1	258.9	174.2	102.8	56.2	33.6	26.5	24.3	22.3
40°	487.6	445.6	389.9	311.2	215.2	124.2	61.6	32.8	24.6	22.3	20.3
42.5°	552.0	507.7	447.3	364.8	258.4	149.7	68.3	32.8	23.2	20.3	18.4
45°	619.5	566.1	500.1	416.2	301.3	178.7	77.9	32.5	21.5	18.6	16.4
47.5°	683.3	620.1	544.1	461.4	347.3	210.6	88.9	32.8	20.0	16.9	15.0
50°	743.7	671.2	589.3	501.8	391.3	245.1	102.5	33.0	18.6	15.5	13.6
52.5°	809.8	729.3	637.8	543.3	434.8	279.8	118.3	33.6	17.2	14.1	12.4
55°	891.7	802.5	697.7	594.1	480.9	314.8	133.6	34.2	15.8	13.0	11.3
57.5°	1009.7	908.1	794.8	670.3	541.8	354.6	149.4	35.6	14.7	12.1	10.4
60°	1201.7	1080.6	949.9	803.0	633.0	408.6	172.2	38.7	13.3	11.0	9.9
62.5°	1432.7	1287.0	1120.7	942.5	718.9	445.0	187.5	42.1	12.1	10.2	9.3
65°	1549.0	1365.5	1173.8	981.5	729.9	434.3	181.3	40.9	10.7	9.0	7.9
66°	1552.4	1361.3	1166.4	973.0	718.6	421.3	175.3	40.4	10.4	8.8	7.3
67.5°	1520.2	1324.8	1127.5	934.6	685.3	396.1	164.6	38.4	9.6	7.9	6.5
70°	1361.3	1170.9	989.9	811.8	589.6	333.7	138.1	33.9	8.5	7.1	5.9
72.5°	1085.1	930.1	777.6	638.7	458.3	250.5	109.0	27.7	7.3	6.2	5.1
75°	757.9	630.5	514.5	415.3	288.0	149.9	70.6	19.5	6.2	5.1	4.2
77.5°	423.0	335.4	253.6	193.1	114.9	46.9	23.4	9.9	5.4	4.0	3.4
80°	215.2	159.5	121.4	89.5	53.1	24.3	11.9	6.5	4.2	3.1	2.8
82.5°	125.1	91.8	73.1	57.9	36.4	18.4	9.6	4.8	2.8	2.3	2.5
85°	28.0	37.0	31.3	26.5	19.5	11.6	6.8	3.1	2.0	2.0	2.3
87.5°	2.3	3.1	2.8	3.7	4.0	3.7	2.8	1.7	1.4	1.7	1.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	39.8	39.5	39.5	39.2	39.0	39.0	39.0	38.7	39.0	39.0	39.0
5°	38.7	38.4	38.1	37.8	37.6	37.3	37.3	37.0	37.0	37.0	37.3
7.5°	37.6	37.0	36.7	36.1	35.9	35.6	35.6	35.3	35.3	35.3	35.3
10°	36.1	35.6	35.0	34.7	34.4	33.9	33.9	33.6	33.3	33.3	33.3
12.5°	35.0	34.4	33.9	33.3	32.8	32.5	32.2	31.9	31.6	31.6	31.6
15°	33.9	33.0	32.5	31.9	31.3	30.8	30.5	30.2	29.9	29.6	29.6
17.5°	32.8	31.9	31.1	30.5	29.9	29.4	29.1	28.2	28.2	28.0	28.0
20°	31.3	30.5	29.6	29.1	28.5	28.0	27.4	26.8	26.3	26.0	26.0
22.5°	30.2	29.4	28.5	27.7	26.8	26.0	25.4	24.8	24.6	24.3	24.0
25°	29.1	28.0	26.8	26.0	25.1	24.3	23.7	23.2	22.6	22.3	22.3
27.5°	27.7	26.5	25.4	24.3	23.4	22.6	22.0	21.2	20.9	20.6	20.3
30°	26.3	24.8	23.7	22.6	21.7	20.6	20.0	19.5	18.9	18.9	18.6
32.5°	24.6	23.2	22.0	20.9	19.8	18.9	18.4	17.8	17.5	16.9	16.9
35°	22.9	21.5	20.0	18.9	18.1	17.2	16.7	16.1	15.5	15.2	15.2
37.5°	20.9	19.5	18.4	17.2	16.4	15.5	15.0	14.4	14.1	13.8	13.6
40°	18.6	17.2	16.4	15.5	14.7	14.1	13.3	12.7	12.4	12.1	11.9
42.5°	16.7	15.2	14.7	14.1	13.3	12.7	11.9	11.3	10.7	10.4	10.2
45°	15.0	13.8	13.3	12.7	11.9	11.0	10.4	9.9	9.3	9.0	9.0
47.5°	13.3	12.4	11.9	11.3	10.4	9.9	9.0	8.8	8.2	8.2	8.2
50°	12.1	11.3	10.7	10.2	9.6	8.8	8.2	7.9	7.6	7.6	7.9
52.5°	11.3	10.4	9.9	9.3	8.8	8.2	7.6	7.3	7.3	7.6	7.9
55°	10.4	9.6	9.0	8.5	7.9	7.6	7.1	7.1	7.3	7.6	7.9
57.5°	9.9	8.8	8.2	7.9	7.3	7.1	7.1	7.1	7.3	7.6	8.2
60°	9.0	7.9	7.3	7.3	6.8	6.8	6.8	7.1	7.3	7.9	8.2
62.5°	7.9	7.1	6.8	6.8	6.5	6.5	6.8	7.1	7.6	7.9	8.2
65°	6.8	6.2	6.2	6.2	6.2	6.5	6.8	7.1	7.3	7.9	8.2
66°	6.2	5.9	5.9	6.2	6.2	6.5	6.8	7.1	7.3	7.6	7.9
67.5°	5.9	5.6	5.6	5.9	6.2	6.2	6.5	7.1	7.3	7.6	7.6
70°	5.1	5.1	5.1	5.6	5.9	6.2	6.5	6.8	7.1	7.3	7.6
72.5°	4.5	4.5	4.8	5.1	5.6	5.9	6.2	6.5	7.1	7.3	7.3
75°	4.0	4.0	4.5	4.8	5.4	5.6	6.2	6.5	6.8	7.1	7.1
77.5°	3.4	3.7	4.2	4.8	5.1	5.6	5.9	6.2	6.5	6.8	6.8
80°	3.1	3.7	4.2	4.5	4.8	5.1	5.4	5.9	6.2	6.5	6.8
82.5°	3.1	3.4	4.0	4.2	4.5	5.1	5.4	5.6	5.9	6.2	6.5
85°	2.5	3.1	3.4	4.0	4.2	4.8	5.1	5.1	5.4	5.6	5.9
87.5°	2.0	2.3	2.3	2.8	3.1	3.7	4.2	4.2	4.5	4.8	5.1
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):

	165°	170°	175°	180°
0°	40.9	40.9	40.9	40.9
2.5°	39.0	39.2	39.2	39.2
5°	37.3	37.3	37.3	37.3
7.5°	35.3	35.3	35.3	35.3
10°	33.3	33.3	33.6	33.3
12.5°	31.6	31.3	31.3	31.3
15°	29.6	29.6	29.4	29.6
17.5°	27.7	27.7	27.4	27.4
20°	25.7	25.7	25.7	25.7
22.5°	24.0	23.7	23.7	23.7
25°	22.0	22.0	22.0	22.0
27.5°	20.3	20.3	20.3	20.3
30°	18.6	18.6	18.4	18.4
32.5°	16.9	16.9	16.9	16.9
35°	15.2	15.2	15.0	15.0
37.5°	13.3	13.3	13.3	13.3
40°	11.6	11.6	11.6	11.6
42.5°	10.2	10.2	9.9	9.9
45°	8.8	8.8	8.8	8.8
47.5°	8.2	8.2	8.2	8.2
50°	7.9	8.2	8.2	8.2
52.5°	8.2	8.2	8.2	8.2
55°	8.2	8.5	8.5	8.5
57.5°	8.2	8.5	8.5	8.8
60°	8.5	8.8	8.8	8.8
62.5°	8.5	8.8	8.8	8.8
65°	8.2	8.5	8.5	8.5
66°	8.2	8.2	8.2	8.5
67.5°	7.9	8.2	8.2	8.2
70°	7.6	7.9	7.9	8.2
72.5°	7.6	7.9	7.9	7.9
75°	7.3	7.3	7.6	7.6
77.5°	7.1	7.1	7.3	7.3
80°	6.8	7.1	7.1	7.1
82.5°	6.5	6.8	6.8	6.8
85°	5.9	6.2	6.2	6.2
87.5°	5.1	5.1	5.4	5.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)