

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: P156273

Luminaire Tested: **AVM-F01-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156273
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-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.5 lumens
Efficiency: N/A
Efficacy: 52.0 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

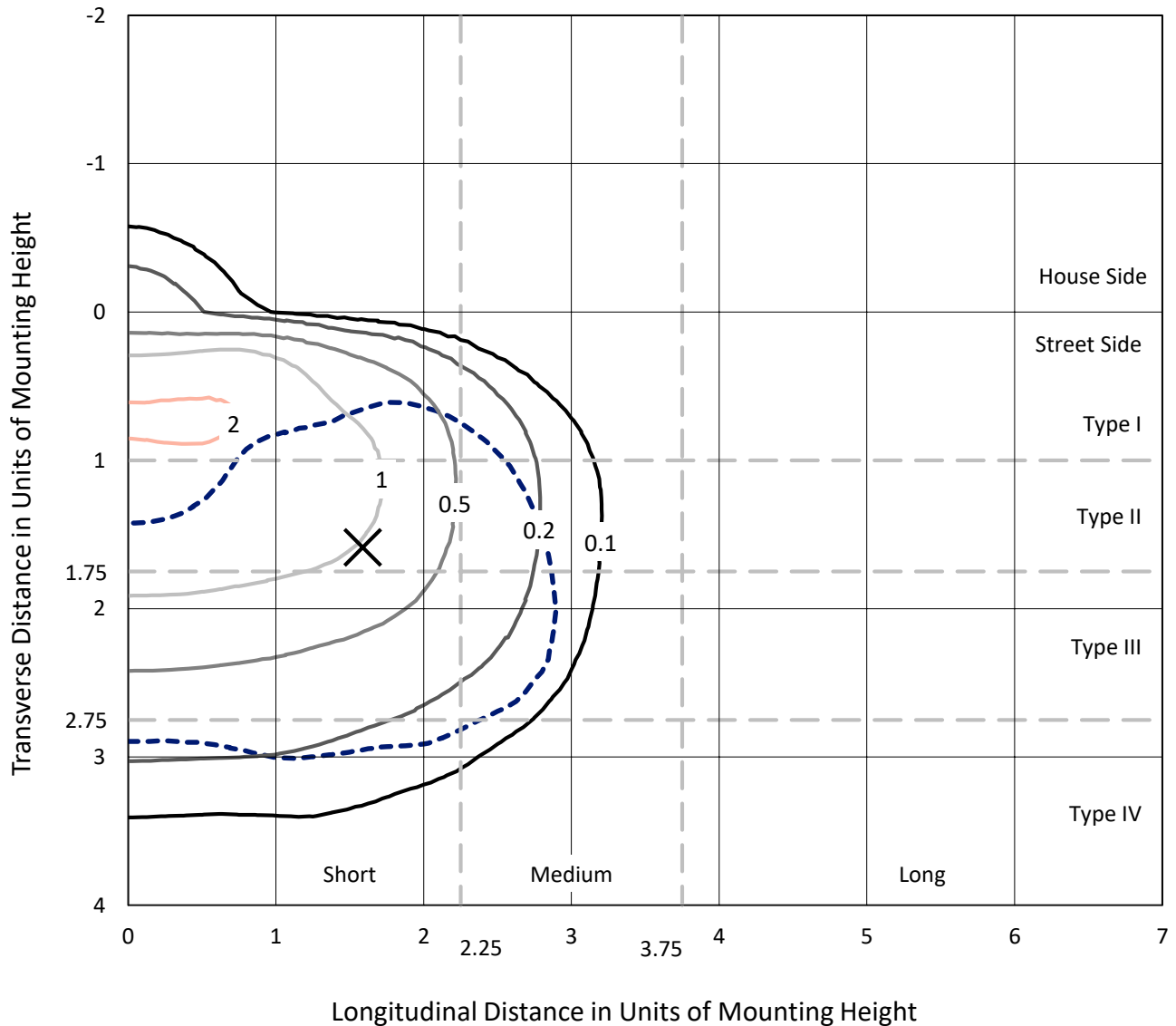
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

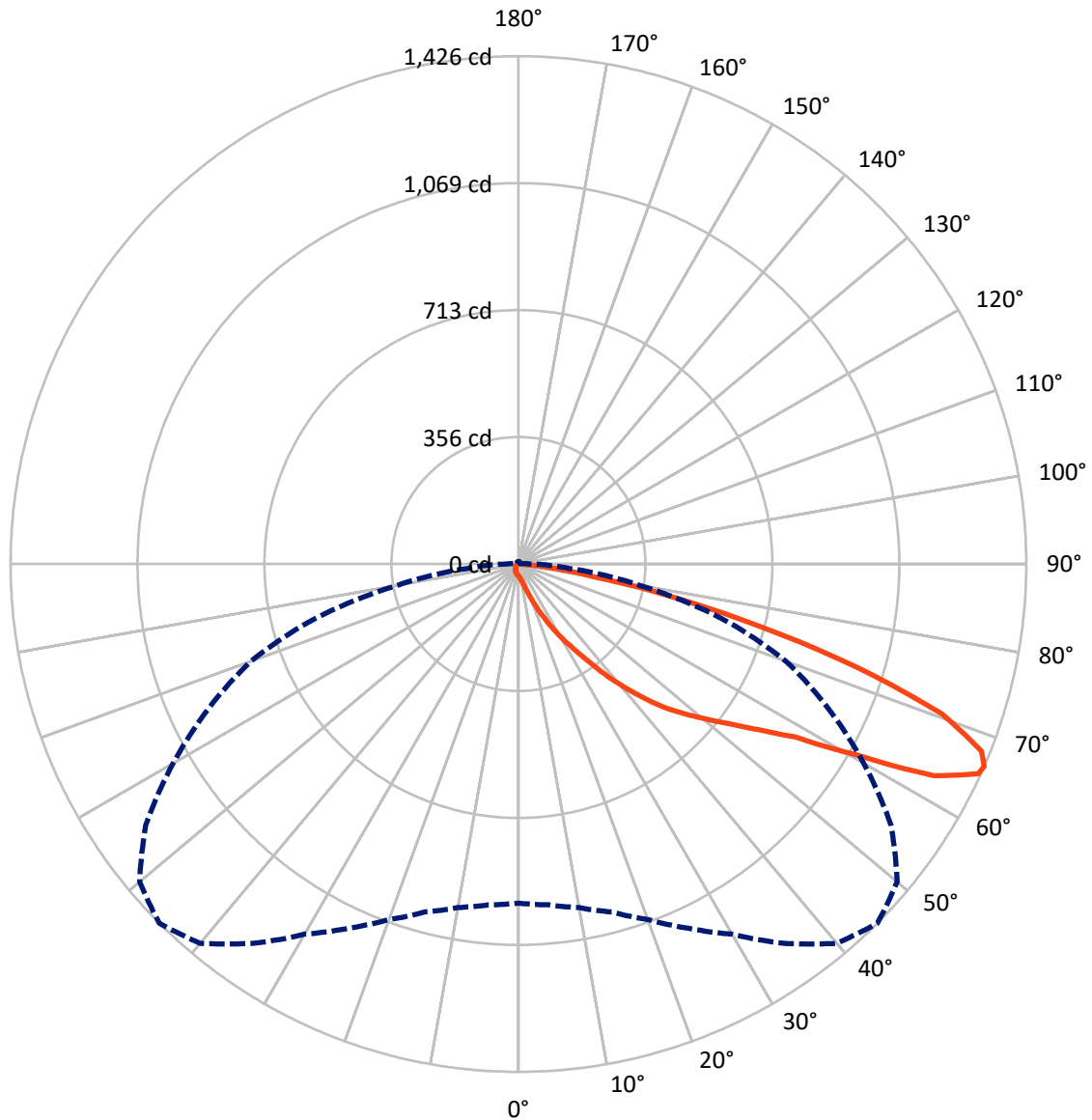
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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	30.5	0.0	30.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1317.0	0.0	1317.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	1347.5	0.0	1347.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.3
10°-20°	13.7	1.0
20°-30°	40.3	3.0
30°-40°	94.0	7.0
40°-50°	176.6	13.1
50°-60°	292.7	21.7
60°-70°	464.7	34.5
70°-80°	240.3	17.8
80°-90°	21.7	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°	1347.5	100.0
0°-180°	1347.5	100.0



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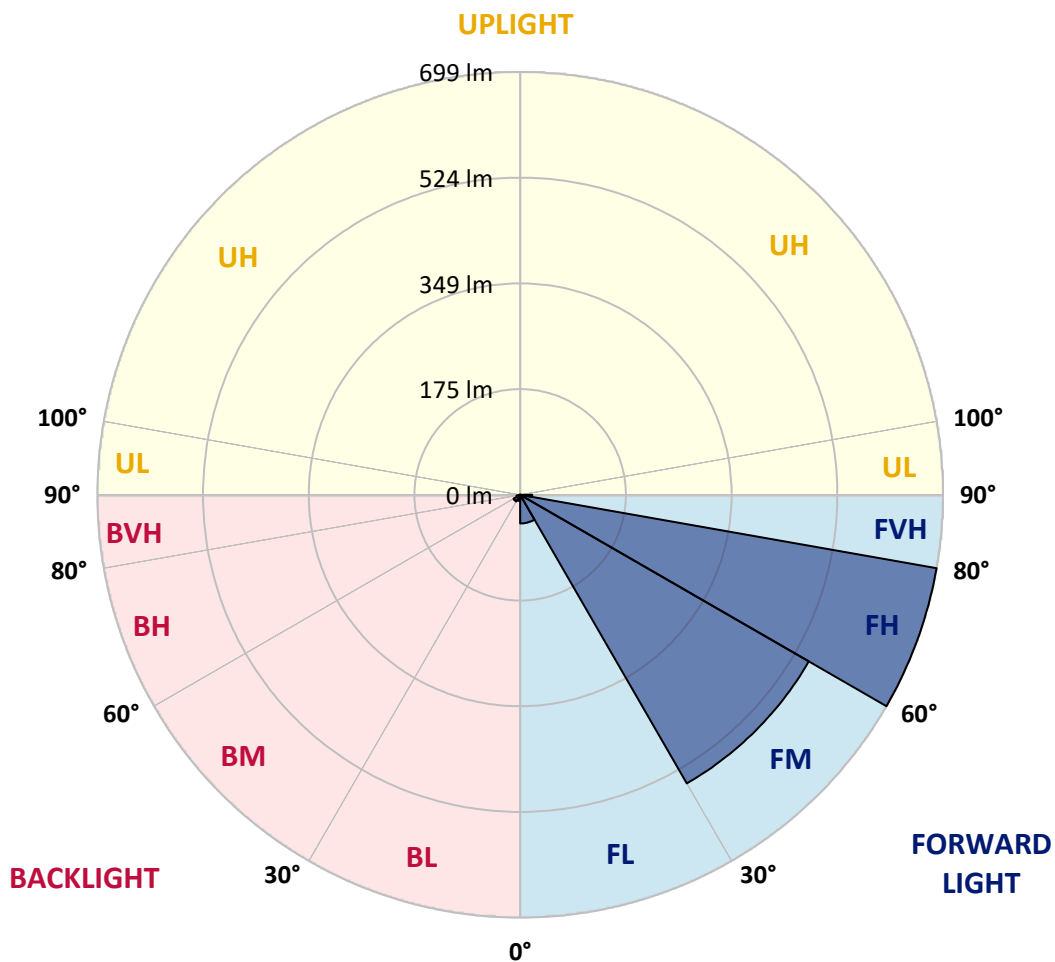
CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.4	3.5			
FM	(30°-60°)	550.7	40.9			
FH	(60°-80°)	698.8	51.9			G1/1800
FVH	(80°-90°)	20.0	1.5			G1/100
BL	(0°-30°)	10.0	0.7	B0/110		
BM	(30°-60°)	12.7	0.9	B0/220		
BH	(60°-80°)	6.2	0.5	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
2.5°	36.5	36.5	36.5	36.5	36.2	36.0	35.8	35.5	35.3	35.3	35.1
5°	41.3	41.6	41.3	41.1	40.6	40.4	39.7	39.2	38.6	38.3	37.6
7.5°	48.1	47.8	48.1	47.4	46.4	46.2	45.3	44.1	43.2	41.8	40.9
10°	57.8	57.6	57.8	56.4	55.0	53.9	52.3	50.9	48.8	47.1	45.3
12.5°	73.4	73.4	72.9	71.1	69.2	66.7	64.1	61.1	57.4	54.1	51.1
15°	97.3	96.1	94.1	92.9	89.6	85.7	82.9	76.9	71.5	66.4	60.4
17.5°	126.1	123.8	122.2	119.6	115.4	110.3	105.7	96.8	91.5	83.1	74.6
20°	159.1	156.3	155.8	151.9	147.5	141.9	135.2	124.7	115.7	105.2	93.1
22.5°	192.8	193.2	191.4	188.6	184.2	177.7	167.2	157.7	146.5	133.3	117.7
25°	230.4	230.2	228.5	225.3	222.0	213.9	205.5	196.5	183.2	166.3	147.7
27.5°	265.7	265.5	261.5	261.7	255.5	252.5	244.3	234.6	218.5	204.4	184.2
30°	302.6	300.3	297.7	295.9	291.5	286.1	281.9	270.3	258.3	241.5	225.0
32.5°	340.0	337.5	338.1	335.8	332.3	327.0	320.7	311.2	298.2	281.9	266.6
35°	385.8	384.6	382.7	383.4	382.7	378.8	373.5	360.9	346.7	331.2	315.4
37.5°	419.7	418.5	419.7	424.5	425.7	428.3	424.3	418.0	407.8	390.9	374.4
40°	451.0	451.3	456.6	462.6	466.8	475.2	476.6	474.0	465.9	450.3	428.7
42.5°	479.1	482.6	487.5	497.5	506.5	518.4	527.2	528.6	522.6	512.3	490.5
45°	510.5	513.5	521.2	533.0	545.5	560.2	574.3	581.8	581.3	574.1	550.7
47.5°	545.5	549.5	557.9	567.6	584.3	600.8	619.2	632.4	638.0	628.0	605.2
50°	588.0	589.7	596.9	609.4	624.7	643.8	663.8	683.0	693.9	684.7	661.2
52.5°	638.4	638.9	645.6	657.3	669.6	690.5	710.0	736.7	750.8	745.7	717.6
55°	707.7	706.3	710.9	720.9	730.9	751.1	770.6	800.8	821.5	821.9	792.0
57.5°	802.2	798.9	801.9	809.8	821.0	839.8	864.4	891.1	918.8	916.9	892.3
60°	933.9	932.7	938.3	951.5	970.6	990.1	1017.9	1053.9	1078.3	1086.7	1060.9
62.5°	1021.4	1024.7	1037.4	1057.9	1094.6	1135.0	1186.8	1241.8	1288.3	1309.2	1273.6
65°	983.8	989.1	1009.1	1039.3	1087.8	1148.5	1217.2	1307.5	1387.7	1419.5	1382.6
66°	952.0	960.6	979.4	1011.4	1062.1	1128.2	1200.0	1299.9	1390.0	1425.8	1388.1
67.5°	896.9	903.0	924.3	959.9	1014.2	1079.7	1157.3	1262.7	1364.4	1402.3	1364.9
70°	784.8	787.1	804.5	834.7	876.7	943.8	1014.2	1115.7	1209.3	1262.5	1221.6
72.5°	584.1	587.3	616.1	671.2	725.8	763.9	805.4	886.7	947.1	996.8	988.9
75°	281.0	282.4	301.7	382.0	488.4	533.9	572.5	635.4	658.4	700.0	693.7
77.5°	178.1	181.2	193.7	213.2	273.6	327.7	358.1	394.1	400.9	435.9	415.5
80°	49.0	56.9	69.4	102.2	175.3	209.0	222.7	221.3	222.7	212.0	205.1
82.5°	10.0	9.8	11.8	18.3	77.3	121.7	131.5	111.9	111.2	107.1	110.5
85°	2.6	2.3	2.8	5.8	13.2	36.0	45.3	25.3	19.3	18.3	16.3
87.5°	0.7	0.7	0.7	1.2	1.4	1.9	2.6	1.9	1.4	1.4	1.4
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°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
2.5°	34.8	34.8	34.6	34.4	34.4	34.1	33.9	33.7	33.4	33.2	33.0
5°	36.9	36.5	35.8	35.3	34.8	34.1	33.7	33.2	32.7	32.5	32.0
7.5°	39.7	38.6	37.6	36.2	35.3	34.4	33.4	32.7	32.0	31.6	31.1
10°	43.2	41.3	39.5	37.6	36.0	34.6	33.2	32.0	31.4	30.7	30.2
12.5°	47.6	44.8	42.3	39.5	36.9	34.8	33.0	31.6	30.7	30.0	29.3
15°	54.8	50.4	46.0	41.8	38.6	35.3	32.7	31.1	30.0	29.3	28.6
17.5°	66.2	58.3	51.3	45.5	40.2	36.0	32.7	30.7	29.3	28.3	27.6
20°	82.7	69.7	58.5	50.2	43.2	37.2	32.7	30.0	28.6	27.4	26.7
22.5°	102.2	85.9	70.6	56.7	46.7	38.8	32.7	29.3	27.6	26.7	25.8
25°	130.8	109.2	88.3	68.7	52.5	41.3	33.4	28.8	26.9	25.8	24.9
27.5°	164.2	138.2	112.2	84.8	61.3	45.1	34.4	28.3	26.2	24.9	23.9
30°	202.3	173.5	141.7	106.1	72.9	49.9	36.0	28.1	25.3	23.9	22.8
32.5°	243.6	213.2	178.4	133.5	90.1	57.4	38.1	27.9	24.4	22.8	21.4
35°	292.9	264.5	222.0	172.1	116.8	70.1	42.7	28.3	23.5	21.6	20.0
37.5°	346.7	316.6	271.5	213.0	143.3	84.5	46.2	27.6	21.8	20.0	18.3
40°	401.1	366.5	320.7	255.9	177.0	102.2	50.6	26.9	20.2	18.3	16.7
42.5°	454.0	417.6	367.9	300.1	212.5	123.1	56.2	26.9	19.0	16.7	15.1
45°	509.5	465.7	411.3	342.3	247.8	147.0	64.1	26.7	17.7	15.3	13.5
47.5°	562.0	510.0	447.5	379.5	285.7	173.3	73.2	26.9	16.5	13.9	12.3
50°	611.7	552.0	484.7	412.7	321.9	201.6	84.3	27.2	15.3	12.8	11.1
52.5°	666.1	599.9	524.6	446.8	357.7	230.2	97.3	27.6	14.2	11.6	10.2
55°	733.4	660.0	573.9	488.6	395.5	259.0	109.9	28.1	13.0	10.7	9.3
57.5°	830.5	746.9	653.8	551.4	445.7	291.7	122.9	29.3	12.1	10.0	8.6
60°	988.4	888.8	781.3	660.5	520.7	336.1	141.7	31.8	10.9	9.1	8.1
62.5°	1178.4	1058.6	921.8	775.2	591.3	366.0	154.2	34.6	10.0	8.4	7.7
65°	1274.1	1123.1	965.4	807.3	600.4	357.2	149.1	33.7	8.8	7.4	6.5
66°	1276.9	1119.7	959.4	800.3	591.1	346.5	144.2	33.2	8.6	7.2	6.0
67.5°	1250.4	1089.7	927.4	768.7	563.7	325.8	135.4	31.6	7.9	6.5	5.3
70°	1119.7	963.1	814.3	667.7	484.9	274.5	113.6	27.9	7.0	5.8	4.9
72.5°	892.5	765.0	639.6	525.3	376.9	206.0	89.6	22.8	6.0	5.1	4.2
75°	623.3	518.6	423.2	341.6	236.9	123.3	58.1	16.0	5.1	4.2	3.5
77.5°	347.9	275.9	208.6	158.9	94.5	38.6	19.3	8.1	4.4	3.3	2.8
80°	177.0	131.2	99.9	73.6	43.7	20.0	9.8	5.3	3.5	2.6	2.3
82.5°	102.9	75.5	60.2	47.6	30.0	15.1	7.9	3.9	2.3	1.9	2.1
85°	23.0	30.4	25.8	21.8	16.0	9.5	5.6	2.6	1.6	1.6	1.9
87.5°	1.9	2.6	2.3	3.0	3.3	3.0	2.3	1.4	1.2	1.4	1.4
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°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
2.5°	32.7	32.5	32.5	32.3	32.0	32.0	32.0	31.8	32.0	32.0	32.0
5°	31.8	31.6	31.4	31.1	30.9	30.7	30.7	30.4	30.4	30.4	30.7
7.5°	30.9	30.4	30.2	29.7	29.5	29.3	29.3	29.0	29.0	29.0	29.0
10°	29.7	29.3	28.8	28.6	28.3	27.9	27.9	27.6	27.4	27.4	27.4
12.5°	28.8	28.3	27.9	27.4	26.9	26.7	26.5	26.2	26.0	26.0	26.0
15°	27.9	27.2	26.7	26.2	25.8	25.3	25.1	24.9	24.6	24.4	24.4
17.5°	26.9	26.2	25.5	25.1	24.6	24.2	23.9	23.2	23.2	23.0	23.0
20°	25.8	25.1	24.4	23.9	23.5	23.0	22.5	22.1	21.6	21.4	21.4
22.5°	24.9	24.2	23.5	22.8	22.1	21.4	20.9	20.4	20.2	20.0	19.7
25°	23.9	23.0	22.1	21.4	20.7	20.0	19.5	19.0	18.6	18.3	18.3
27.5°	22.8	21.8	20.9	20.0	19.3	18.6	18.1	17.4	17.2	17.0	16.7
30°	21.6	20.4	19.5	18.6	17.9	17.0	16.5	16.0	15.6	15.6	15.3
32.5°	20.2	19.0	18.1	17.2	16.3	15.6	15.1	14.6	14.4	13.9	13.9
35°	18.8	17.7	16.5	15.6	14.9	14.2	13.7	13.2	12.8	12.5	12.5
37.5°	17.2	16.0	15.1	14.2	13.5	12.8	12.3	11.8	11.6	11.4	11.1
40°	15.3	14.2	13.5	12.8	12.1	11.6	10.9	10.5	10.2	10.0	9.8
42.5°	13.7	12.5	12.1	11.6	10.9	10.5	9.8	9.3	8.8	8.6	8.4
45°	12.3	11.4	10.9	10.5	9.8	9.1	8.6	8.1	7.7	7.4	7.4
47.5°	10.9	10.2	9.8	9.3	8.6	8.1	7.4	7.2	6.7	6.7	6.7
50°	10.0	9.3	8.8	8.4	7.9	7.2	6.7	6.5	6.3	6.3	6.5
52.5°	9.3	8.6	8.1	7.7	7.2	6.7	6.3	6.0	6.0	6.3	6.5
55°	8.6	7.9	7.4	7.0	6.5	6.3	5.8	5.8	6.0	6.3	6.5
57.5°	8.1	7.2	6.7	6.5	6.0	5.8	5.8	5.8	6.0	6.3	6.7
60°	7.4	6.5	6.0	6.0	5.6	5.6	5.6	5.8	6.0	6.5	6.7
62.5°	6.5	5.8	5.6	5.6	5.3	5.3	5.6	5.8	6.3	6.5	6.7
65°	5.6	5.1	5.1	5.1	5.1	5.3	5.6	5.8	6.0	6.5	6.7
66°	5.1	4.9	4.9	5.1	5.1	5.3	5.6	5.8	6.0	6.3	6.5
67.5°	4.9	4.6	4.6	4.9	5.1	5.1	5.3	5.8	6.0	6.3	6.3
70°	4.2	4.2	4.2	4.6	4.9	5.1	5.3	5.6	5.8	6.0	6.3
72.5°	3.7	3.7	3.9	4.2	4.6	4.9	5.1	5.3	5.8	6.0	6.0
75°	3.3	3.3	3.7	3.9	4.4	4.6	5.1	5.3	5.6	5.8	5.8
77.5°	2.8	3.0	3.5	3.9	4.2	4.6	4.9	5.1	5.3	5.6	5.6
80°	2.6	3.0	3.5	3.7	3.9	4.2	4.4	4.9	5.1	5.3	5.6
82.5°	2.6	2.8	3.3	3.5	3.7	4.2	4.4	4.6	4.9	5.1	5.3
85°	2.1	2.6	2.8	3.3	3.5	3.9	4.2	4.2	4.4	4.6	4.9
87.5°	1.6	1.9	1.9	2.3	2.6	3.0	3.5	3.5	3.7	3.9	4.2
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°	33.7	33.7	33.7	33.7
2.5°	32.0	32.3	32.3	32.3
5°	30.7	30.7	30.7	30.7
7.5°	29.0	29.0	29.0	29.0
10°	27.4	27.4	27.6	27.4
12.5°	26.0	25.8	25.8	25.8
15°	24.4	24.4	24.2	24.4
17.5°	22.8	22.8	22.5	22.5
20°	21.1	21.1	21.1	21.1
22.5°	19.7	19.5	19.5	19.5
25°	18.1	18.1	18.1	18.1
27.5°	16.7	16.7	16.7	16.7
30°	15.3	15.3	15.1	15.1
32.5°	13.9	13.9	13.9	13.9
35°	12.5	12.5	12.3	12.3
37.5°	10.9	10.9	10.9	10.9
40°	9.5	9.5	9.5	9.5
42.5°	8.4	8.4	8.1	8.1
45°	7.2	7.2	7.2	7.2
47.5°	6.7	6.7	6.7	6.7
50°	6.5	6.7	6.7	6.7
52.5°	6.7	6.7	6.7	6.7
55°	6.7	7.0	7.0	7.0
57.5°	6.7	7.0	7.0	7.2
60°	7.0	7.2	7.2	7.2
62.5°	7.0	7.2	7.2	7.2
65°	6.7	7.0	7.0	7.0
66°	6.7	6.7	6.7	7.0
67.5°	6.5	6.7	6.7	6.7
70°	6.3	6.5	6.5	6.7
72.5°	6.3	6.5	6.5	6.5
75°	6.0	6.0	6.3	6.3
77.5°	5.8	5.8	6.0	6.0
80°	5.6	5.8	5.8	5.8
82.5°	5.3	5.6	5.6	5.6
85°	4.9	5.1	5.1	5.1
87.5°	4.2	4.2	4.4	4.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)