

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: P156268

Luminaire Tested: **AVM-E01-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156268
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-E01-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: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1632.3 lumens
Efficiency: N/A
Efficacy: 66.1 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

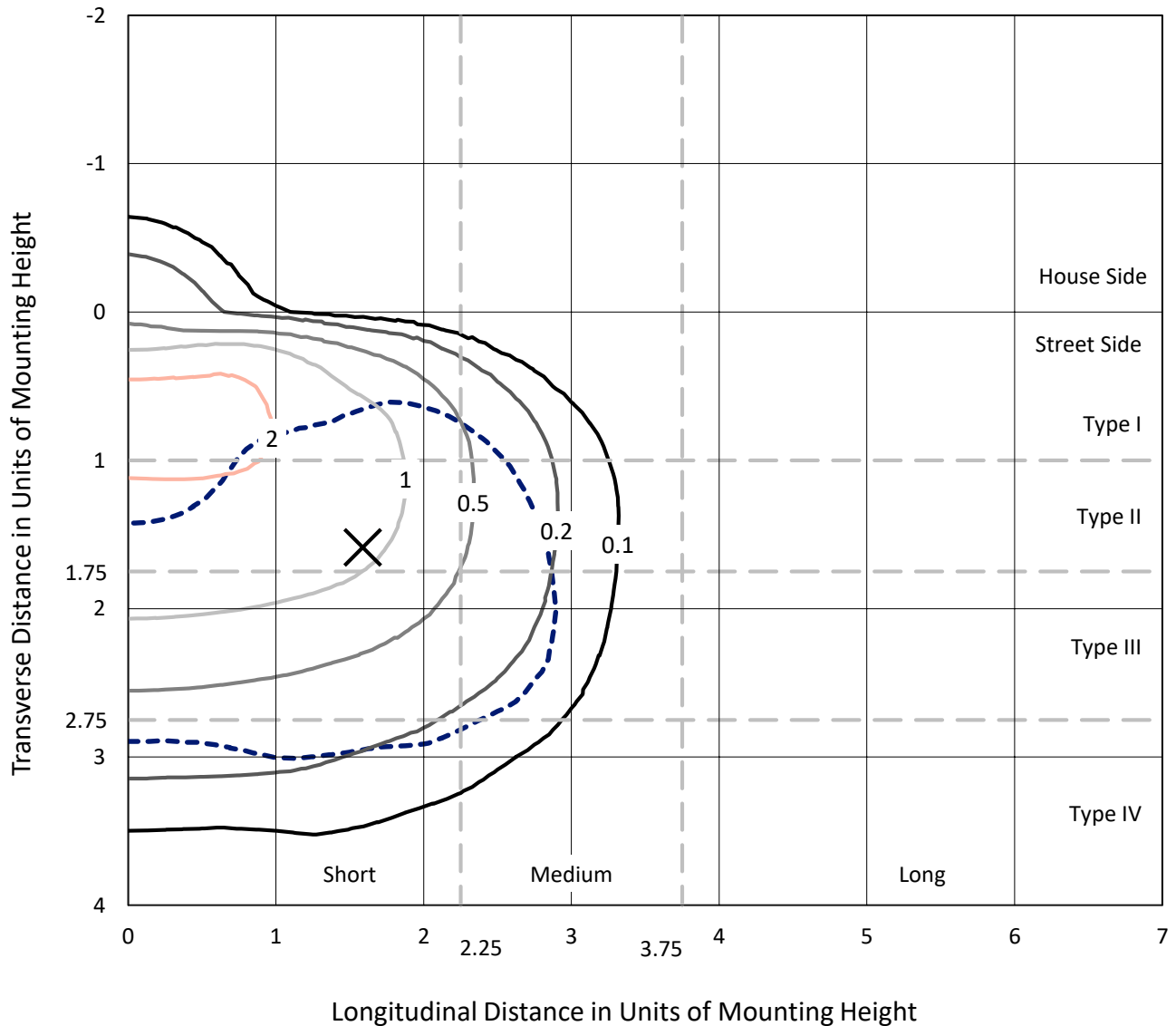
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

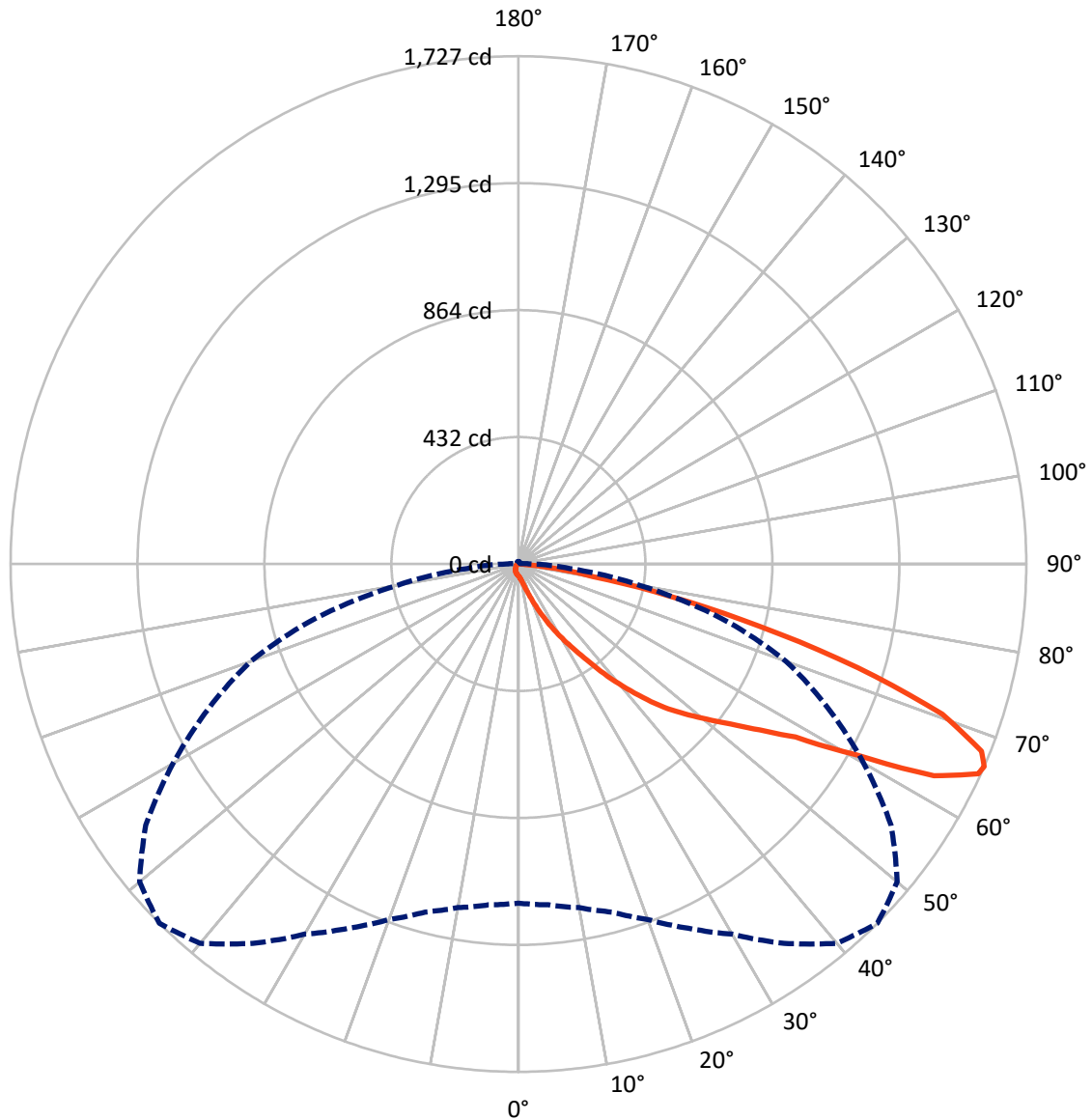
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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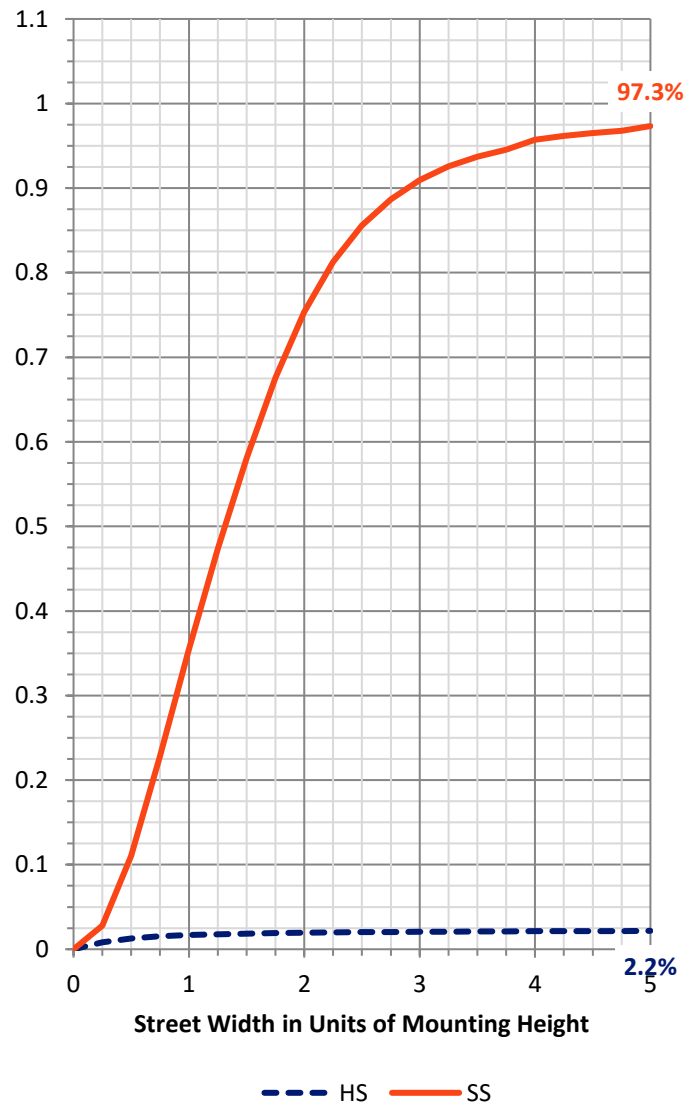
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.0	0.0	37.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1595.3	0.0	1595.3
	% Fixture	97.7	0.0	97.7
Total	Lumens	1632.3	0.0	1632.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.3
10°-20°	16.6	1.0
20°-30°	48.8	3.0
30°-40°	113.9	7.0
40°-50°	214.0	13.1
50°-60°	354.6	21.7
60°-70°	562.9	34.5
70°-80°	291.1	17.8
80°-90°	26.3	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°	1632.3	100.0
0°-180°	1632.3	100.0



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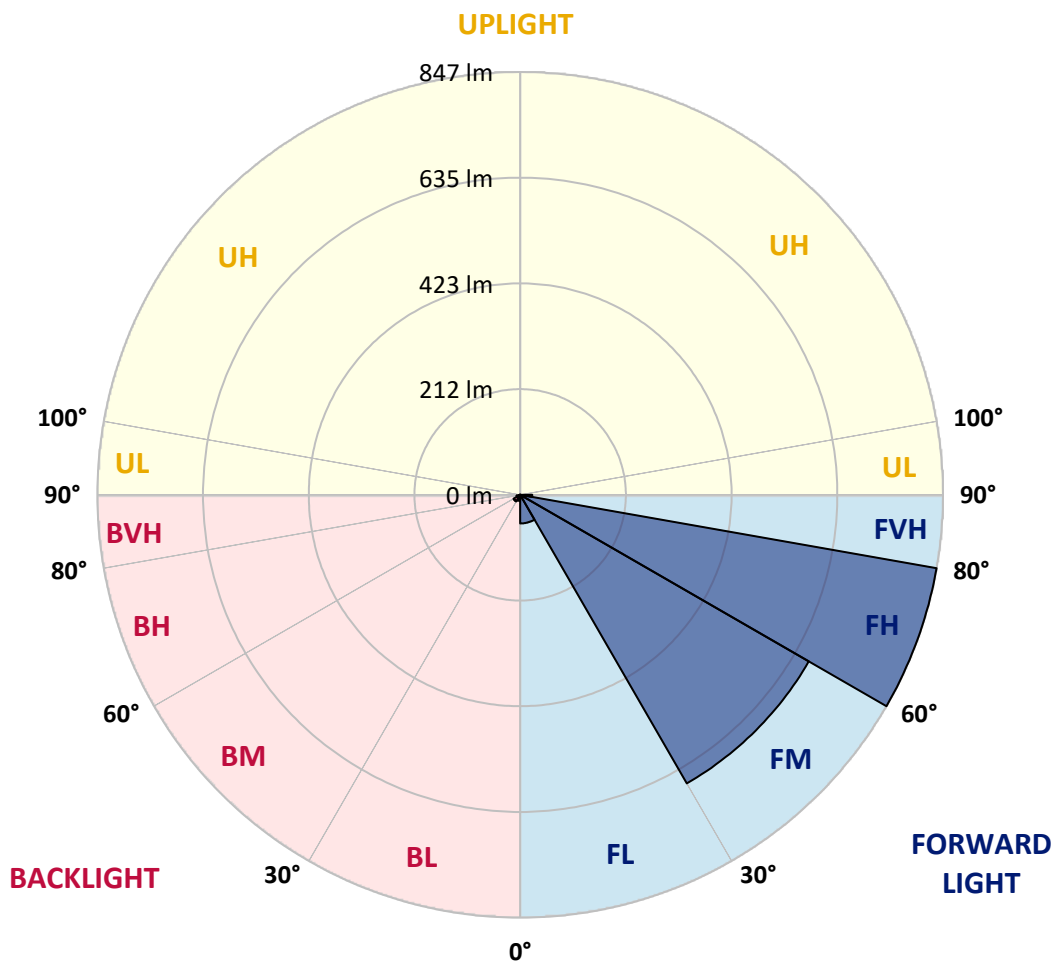
CATALOG NUMBER: AVM-E01-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.4	3.5			
FM	(30°-60°)	667.1	40.9			
FH	(60°-80°)	846.5	51.9			G1/1800
FVH	(80°-90°)	24.2	1.5			G1/100
BL	(0°-30°)	12.1	0.7	B0/110		
BM	(30°-60°)	15.3	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°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	44.2	44.2	44.2	44.2	43.9	43.6	43.3	43.0	42.8	42.8	42.5
5°	50.1	50.4	50.1	49.8	49.2	49.0	48.1	47.5	46.7	46.4	45.6
7.5°	58.2	58.0	58.2	57.4	56.3	56.0	54.9	53.5	52.3	50.6	49.5
10°	70.1	69.8	70.1	68.4	66.7	65.3	63.3	61.6	59.1	57.1	54.9
12.5°	88.9	88.9	88.3	86.1	83.8	80.7	77.6	74.0	69.5	65.5	61.9
15°	117.9	116.5	113.9	112.5	108.6	103.8	100.4	93.1	86.6	80.5	73.1
17.5°	152.8	149.9	148.0	144.9	139.8	133.6	128.0	117.3	110.8	100.7	90.3
20°	192.7	189.3	188.8	184.0	178.6	171.9	163.7	151.1	140.1	127.4	112.8
22.5°	233.5	234.1	231.8	228.4	223.1	215.2	202.6	191.0	177.5	161.5	142.6
25°	279.1	278.8	276.8	272.9	269.0	259.1	249.0	238.0	222.0	201.4	178.9
27.5°	321.8	321.6	316.8	317.1	309.5	305.8	296.0	284.1	264.7	247.6	223.1
30°	366.6	363.8	360.7	358.4	353.1	346.6	341.5	327.5	312.8	292.6	272.6
32.5°	411.9	408.8	409.6	406.8	402.6	396.1	388.5	377.0	361.2	341.5	323.0
35°	467.3	465.9	463.6	464.5	463.6	458.8	452.4	437.2	420.0	401.2	382.0
37.5°	508.4	507.0	508.4	514.3	515.7	518.8	514.0	506.4	494.0	473.5	453.5
40°	546.3	546.6	553.1	560.4	565.5	575.6	577.3	574.2	564.3	545.5	519.3
42.5°	580.4	584.6	590.5	602.6	613.6	627.9	638.6	640.3	633.0	620.6	594.2
45°	618.4	622.0	631.3	645.7	660.8	678.6	695.7	704.7	704.2	695.4	667.0
47.5°	660.8	665.6	675.8	687.6	707.8	727.8	750.0	766.1	772.8	760.7	733.1
50°	712.3	714.3	723.0	738.2	756.8	779.8	804.0	827.4	840.6	829.4	800.9
52.5°	773.4	773.9	782.1	796.2	811.1	836.4	860.0	892.4	909.5	903.4	869.3
55°	857.2	855.5	861.2	873.2	885.3	909.8	933.5	970.0	995.1	995.6	959.3
57.5°	971.7	967.8	971.4	981.0	994.5	1017.3	1047.1	1079.5	1112.9	1110.7	1080.9
60°	1131.2	1129.8	1136.6	1152.6	1175.7	1199.3	1233.1	1276.7	1306.2	1316.3	1285.1
62.5°	1237.3	1241.2	1256.7	1281.5	1325.9	1374.9	1437.6	1504.3	1560.5	1585.9	1542.8
65°	1191.7	1198.2	1222.4	1259.0	1317.8	1391.2	1474.5	1583.9	1680.9	1719.5	1674.8
66°	1153.2	1163.6	1186.4	1225.2	1286.5	1366.7	1453.6	1574.6	1683.8	1727.1	1681.5
67.5°	1086.5	1093.8	1119.7	1162.7	1228.6	1307.9	1401.9	1529.6	1652.8	1698.7	1653.4
70°	950.6	953.4	974.5	1011.1	1062.0	1143.3	1228.6	1351.5	1464.9	1529.3	1479.8
72.5°	707.5	711.5	746.4	813.0	879.2	925.3	975.7	1074.1	1147.3	1207.5	1197.9
75°	340.4	342.1	365.4	462.8	591.6	646.8	693.5	769.7	797.6	847.9	840.3
77.5°	215.8	219.4	234.6	258.3	331.4	397.0	433.8	477.4	485.6	528.1	503.3
80°	59.4	68.9	84.1	123.8	212.4	253.2	269.8	268.1	269.8	256.9	248.4
82.5°	12.1	11.8	14.3	22.2	93.7	147.4	159.2	135.6	134.8	129.7	133.9
85°	3.1	2.8	3.4	7.0	16.0	43.6	54.9	30.7	23.4	22.2	19.7
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°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	42.2	42.2	41.9	41.6	41.6	41.4	41.1	40.8	40.5	40.2	39.9
5°	44.7	44.2	43.3	42.8	42.2	41.4	40.8	40.2	39.7	39.4	38.8
7.5°	48.1	46.7	45.6	43.9	42.8	41.6	40.5	39.7	38.8	38.3	37.7
10°	52.3	50.1	47.8	45.6	43.6	41.9	40.2	38.8	38.0	37.1	36.6
12.5°	57.7	54.3	51.2	47.8	44.7	42.2	39.9	38.3	37.1	36.3	35.4
15°	66.4	61.0	55.7	50.6	46.7	42.8	39.7	37.7	36.3	35.4	34.6
17.5°	80.2	70.6	62.2	55.1	48.7	43.6	39.7	37.1	35.4	34.3	33.5
20°	100.2	84.4	70.9	60.8	52.3	45.0	39.7	36.3	34.6	33.2	32.4
22.5°	123.8	104.1	85.5	68.6	56.5	47.0	39.7	35.4	33.5	32.4	31.2
25°	158.4	132.2	106.9	83.3	63.6	50.1	40.5	34.9	32.6	31.2	30.1
27.5°	198.9	167.4	135.9	102.7	74.3	54.6	41.6	34.3	31.8	30.1	29.0
30°	245.0	210.2	171.6	128.6	88.3	60.5	43.6	34.0	30.7	29.0	27.6
32.5°	295.1	258.3	216.1	161.8	109.2	69.5	46.1	33.8	29.5	27.6	25.9
35°	354.8	320.4	269.0	208.5	141.5	85.0	51.8	34.3	28.4	26.2	24.2
37.5°	420.0	383.5	328.9	258.0	173.6	102.4	56.0	33.5	26.4	24.2	22.2
40°	485.9	443.9	388.5	310.0	214.4	123.8	61.3	32.6	24.5	22.2	20.3
42.5°	550.0	505.8	445.6	363.5	257.4	149.1	68.1	32.6	23.1	20.3	18.3
45°	617.2	564.1	498.2	414.7	300.2	178.1	77.6	32.4	21.4	18.6	16.3
47.5°	680.8	617.8	542.1	459.7	346.0	209.9	88.6	32.6	20.0	16.9	14.9
50°	741.0	668.7	587.1	499.9	389.9	244.2	102.1	32.9	18.6	15.5	13.5
52.5°	806.9	726.7	635.5	541.3	433.2	278.8	117.9	33.5	17.2	14.1	12.4
55°	888.4	799.5	695.2	591.9	479.1	313.7	133.1	34.0	15.8	12.9	11.3
57.5°	1006.0	904.8	791.9	667.9	539.9	353.4	148.8	35.4	14.6	12.1	10.4
60°	1197.3	1076.7	946.4	800.1	630.7	407.1	171.6	38.5	13.2	11.0	9.8
62.5°	1427.5	1282.3	1116.6	939.1	716.3	443.4	186.8	41.9	12.1	10.1	9.3
65°	1543.4	1360.5	1169.5	977.9	727.2	432.7	180.6	40.8	10.7	9.0	7.9
66°	1546.8	1356.3	1162.2	969.5	716.0	419.7	174.7	40.2	10.4	8.7	7.3
67.5°	1514.7	1320.0	1123.4	931.2	682.8	394.7	164.0	38.3	9.6	7.9	6.5
70°	1356.3	1166.7	986.3	808.8	587.4	332.5	137.6	33.8	8.4	7.0	5.9
72.5°	1081.2	926.7	774.8	636.4	456.6	249.5	108.6	27.6	7.3	6.2	5.1
75°	755.1	628.2	512.6	413.8	287.0	149.4	70.3	19.4	6.2	5.1	4.2
77.5°	421.4	334.2	252.6	192.4	114.5	46.7	23.4	9.8	5.3	3.9	3.4
80°	214.4	159.0	121.0	89.2	52.9	24.2	11.8	6.5	4.2	3.1	2.8
82.5°	124.6	91.4	72.9	57.7	36.3	18.3	9.6	4.8	2.8	2.3	2.5
85°	27.9	36.9	31.2	26.4	19.4	11.5	6.8	3.1	2.0	2.0	2.3
87.5°	2.3	3.1	2.8	3.7	3.9	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°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	39.7	39.4	39.4	39.1	38.8	38.8	38.8	38.5	38.8	38.8	38.8
5°	38.5	38.3	38.0	37.7	37.4	37.1	37.1	36.9	36.9	36.9	37.1
7.5°	37.4	36.9	36.6	36.0	35.7	35.4	35.4	35.2	35.2	35.2	35.2
10°	36.0	35.4	34.9	34.6	34.3	33.8	33.8	33.5	33.2	33.2	33.2
12.5°	34.9	34.3	33.8	33.2	32.6	32.4	32.1	31.8	31.5	31.5	31.5
15°	33.8	32.9	32.4	31.8	31.2	30.7	30.4	30.1	29.8	29.5	29.5
17.5°	32.6	31.8	30.9	30.4	29.8	29.3	29.0	28.1	28.1	27.9	27.9
20°	31.2	30.4	29.5	29.0	28.4	27.9	27.3	26.7	26.2	25.9	25.9
22.5°	30.1	29.3	28.4	27.6	26.7	25.9	25.3	24.8	24.5	24.2	23.9
25°	29.0	27.9	26.7	25.9	25.0	24.2	23.6	23.1	22.5	22.2	22.2
27.5°	27.6	26.4	25.3	24.2	23.4	22.5	21.9	21.1	20.8	20.5	20.3
30°	26.2	24.8	23.6	22.5	21.7	20.5	20.0	19.4	18.8	18.8	18.6
32.5°	24.5	23.1	21.9	20.8	19.7	18.8	18.3	17.7	17.4	16.9	16.9
35°	22.8	21.4	20.0	18.8	18.0	17.2	16.6	16.0	15.5	15.2	15.2
37.5°	20.8	19.4	18.3	17.2	16.3	15.5	14.9	14.3	14.1	13.8	13.5
40°	18.6	17.2	16.3	15.5	14.6	14.1	13.2	12.7	12.4	12.1	11.8
42.5°	16.6	15.2	14.6	14.1	13.2	12.7	11.8	11.3	10.7	10.4	10.1
45°	14.9	13.8	13.2	12.7	11.8	11.0	10.4	9.8	9.3	9.0	9.0
47.5°	13.2	12.4	11.8	11.3	10.4	9.8	9.0	8.7	8.2	8.2	8.2
50°	12.1	11.3	10.7	10.1	9.6	8.7	8.2	7.9	7.6	7.6	7.9
52.5°	11.3	10.4	9.8	9.3	8.7	8.2	7.6	7.3	7.3	7.6	7.9
55°	10.4	9.6	9.0	8.4	7.9	7.6	7.0	7.0	7.3	7.6	7.9
57.5°	9.8	8.7	8.2	7.9	7.3	7.0	7.0	7.0	7.3	7.6	8.2
60°	9.0	7.9	7.3	7.3	6.8	6.8	6.8	7.0	7.3	7.9	8.2
62.5°	7.9	7.0	6.8	6.8	6.5	6.5	6.8	7.0	7.6	7.9	8.2
65°	6.8	6.2	6.2	6.2	6.2	6.5	6.8	7.0	7.3	7.9	8.2
66°	6.2	5.9	5.9	6.2	6.2	6.5	6.8	7.0	7.3	7.6	7.9
67.5°	5.9	5.6	5.6	5.9	6.2	6.2	6.5	7.0	7.3	7.6	7.6
70°	5.1	5.1	5.1	5.6	5.9	6.2	6.5	6.8	7.0	7.3	7.6
72.5°	4.5	4.5	4.8	5.1	5.6	5.9	6.2	6.5	7.0	7.3	7.3
75°	3.9	3.9	4.5	4.8	5.3	5.6	6.2	6.5	6.8	7.0	7.0
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	5.3	5.9	6.2	6.5	6.8
82.5°	3.1	3.4	3.9	4.2	4.5	5.1	5.3	5.6	5.9	6.2	6.5
85°	2.5	3.1	3.4	3.9	4.2	4.8	5.1	5.1	5.3	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°	40.8	40.8	40.8	40.8
2.5°	38.8	39.1	39.1	39.1
5°	37.1	37.1	37.1	37.1
7.5°	35.2	35.2	35.2	35.2
10°	33.2	33.2	33.5	33.2
12.5°	31.5	31.2	31.2	31.2
15°	29.5	29.5	29.3	29.5
17.5°	27.6	27.6	27.3	27.3
20°	25.6	25.6	25.6	25.6
22.5°	23.9	23.6	23.6	23.6
25°	21.9	21.9	21.9	21.9
27.5°	20.3	20.3	20.3	20.3
30°	18.6	18.6	18.3	18.3
32.5°	16.9	16.9	16.9	16.9
35°	15.2	15.2	14.9	14.9
37.5°	13.2	13.2	13.2	13.2
40°	11.5	11.5	11.5	11.5
42.5°	10.1	10.1	9.8	9.8
45°	8.7	8.7	8.7	8.7
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	8.4	8.4	8.4
57.5°	8.2	8.4	8.4	8.7
60°	8.4	8.7	8.7	8.7
62.5°	8.4	8.7	8.7	8.7
65°	8.2	8.4	8.4	8.4
66°	8.2	8.2	8.2	8.4
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°	7.0	7.0	7.3	7.3
80°	6.8	7.0	7.0	7.0
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	5.3	5.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)