

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: P156269

Luminaire Tested: **AVM-E01-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156269
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-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1766.4 lumens
Efficiency: N/A
Efficacy: 71.5 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

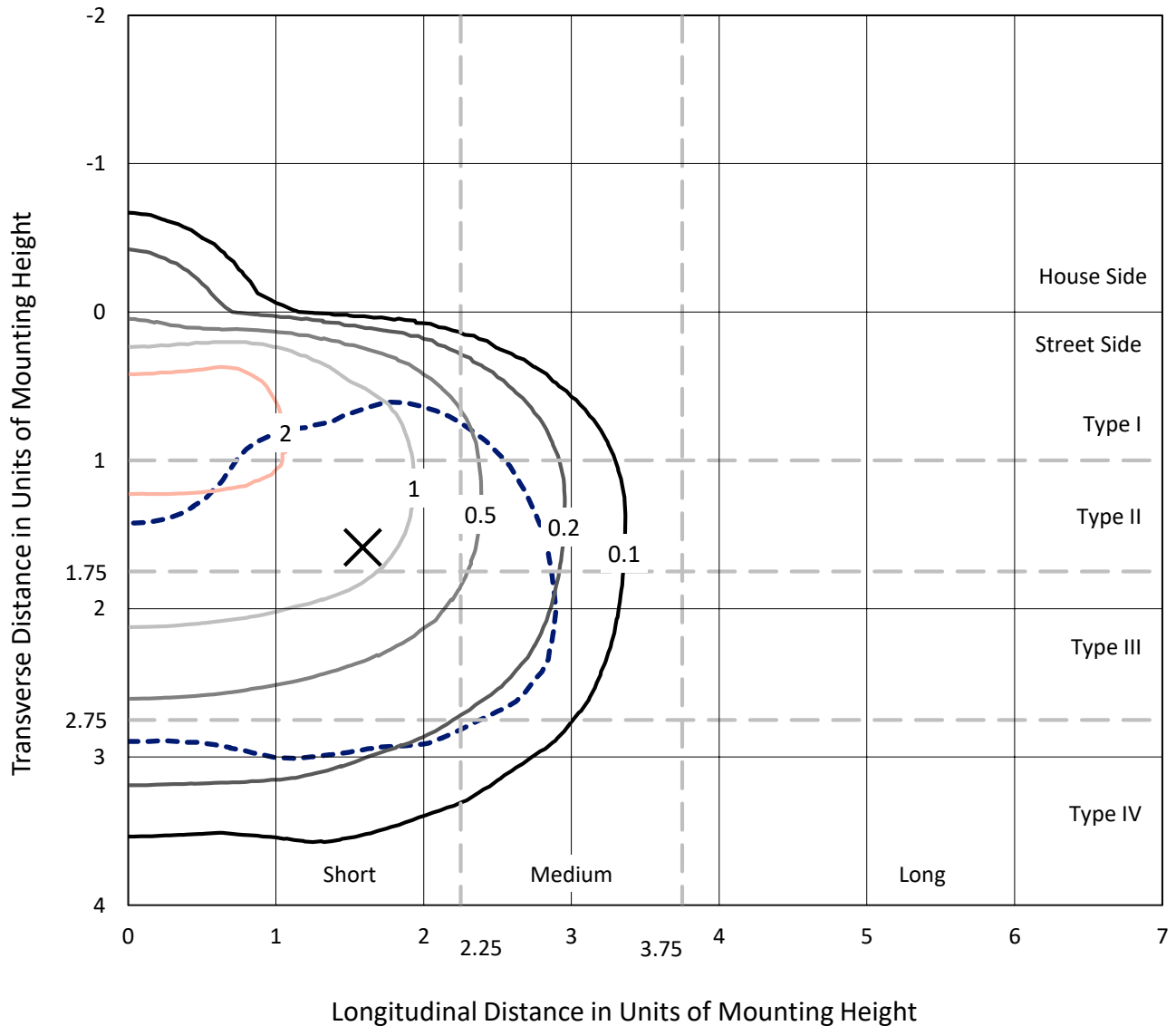
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

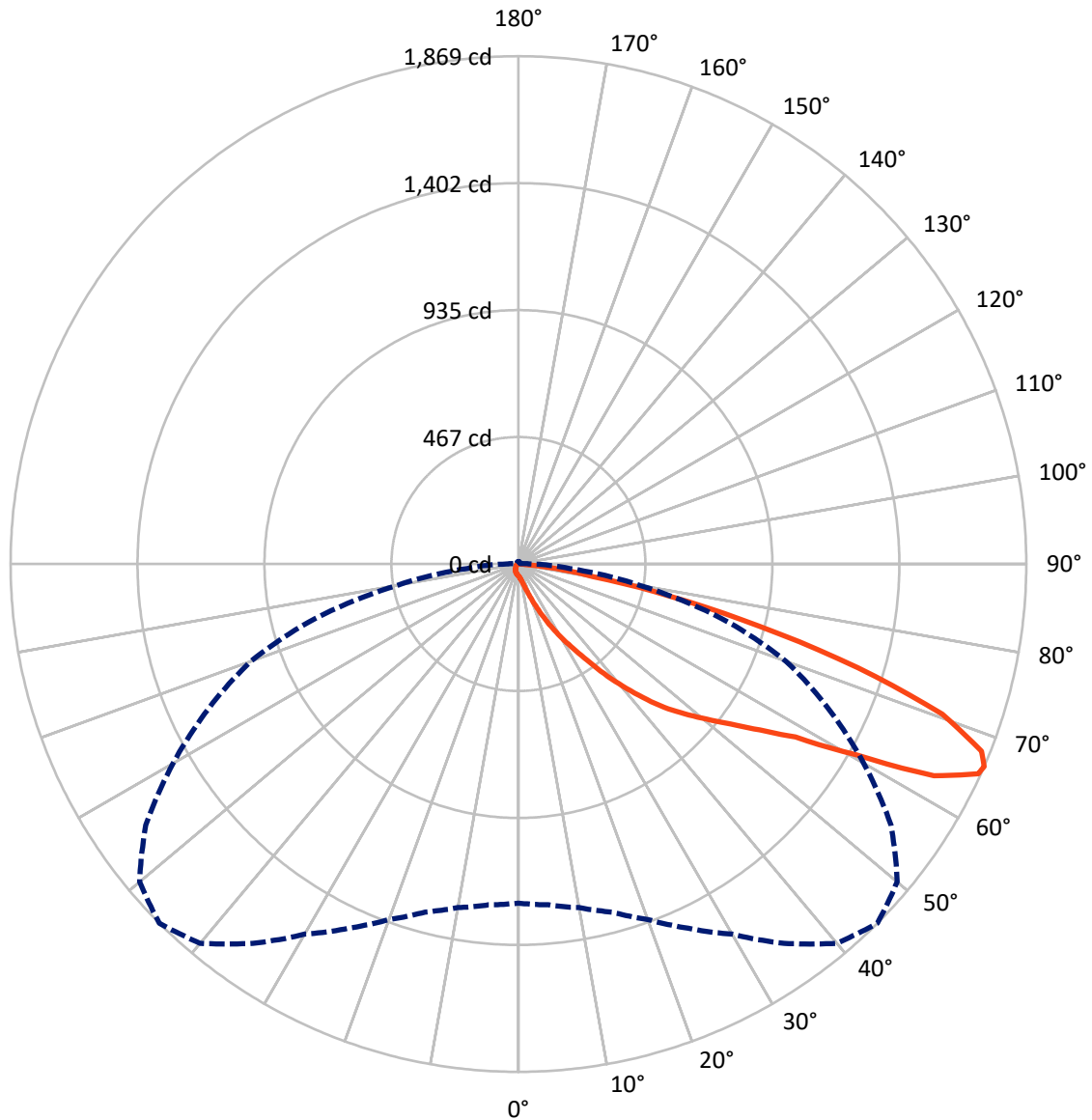
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 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	40.0	0.0	40.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1726.4	0.0	1726.4
	% Fixture	97.7	0.0	97.7
Total	Lumens	1766.4	0.0	1766.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.3
10°-20°	18.0	1.0
20°-30°	52.8	3.0
30°-40°	123.3	7.0
40°-50°	231.6	13.1
50°-60°	383.7	21.7
60°-70°	609.2	34.5
70°-80°	315.0	17.8
80°-90°	28.5	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°	1766.4	100.0
0°-180°	1766.4	100.0



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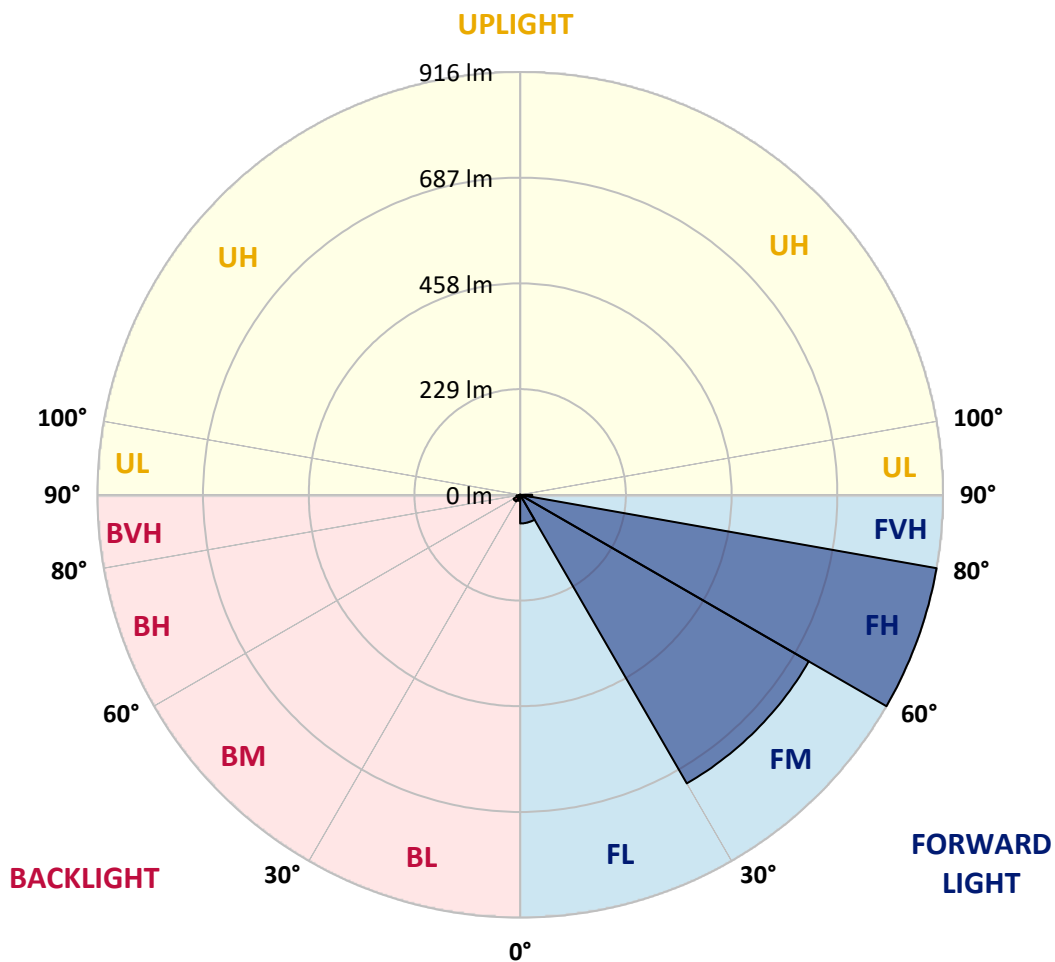
CATALOG NUMBER: AVM-E01-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.2	3.5			
FM	(30°-60°)	722.0	40.9			
FH	(60°-80°)	916.1	51.9			G1/1800
FVH	(80°-90°)	26.2	1.5			G1/100
BL	(0°-30°)	13.1	0.7	B0/110		
BM	(30°-60°)	16.6	0.9	B0/220		
BH	(60°-80°)	8.1	0.5	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	47.8	47.8	47.8	47.8	47.5	47.2	46.9	46.6	46.3	46.3	46.0
5°	54.2	54.5	54.2	53.9	53.3	53.0	52.1	51.5	50.5	50.2	49.3
7.5°	63.0	62.7	63.0	62.1	60.9	60.6	59.4	57.8	56.6	54.8	53.6
10°	75.8	75.5	75.8	74.0	72.2	70.6	68.5	66.7	63.9	61.8	59.4
12.5°	96.2	96.2	95.6	93.2	90.7	87.4	84.0	80.1	75.2	70.9	67.0
15°	127.6	126.0	123.3	121.8	117.5	112.3	108.7	100.8	93.8	87.1	79.2
17.5°	165.3	162.3	160.1	156.8	151.3	144.6	138.5	127.0	120.0	109.0	97.7
20°	208.5	204.9	204.3	199.1	193.3	186.0	177.2	163.5	151.6	137.9	122.1
22.5°	252.7	253.3	250.9	247.2	241.4	232.9	219.2	206.7	192.1	174.8	154.4
25°	302.0	301.7	299.6	295.3	291.1	280.4	269.4	257.6	240.2	218.0	193.6
27.5°	348.3	348.0	342.8	343.1	334.9	330.9	320.3	307.5	286.5	267.9	241.4
30°	396.7	393.7	390.3	387.9	382.1	375.1	369.6	354.4	338.5	316.6	295.0
32.5°	445.7	442.4	443.3	440.2	435.7	428.7	420.4	408.0	390.9	369.6	349.5
35°	505.7	504.2	501.7	502.6	501.7	496.6	489.6	473.1	454.5	434.1	413.4
37.5°	550.1	548.6	550.1	556.5	558.1	561.4	556.2	548.0	534.6	512.4	490.8
40°	591.2	591.5	598.5	606.5	611.9	622.9	624.7	621.4	610.7	590.3	562.0
42.5°	628.1	632.6	639.0	652.1	664.0	679.5	691.1	692.9	685.0	671.6	643.0
45°	669.2	673.1	683.2	698.7	715.2	734.3	752.9	762.6	762.0	752.6	721.9
47.5°	715.2	720.3	731.3	744.1	766.0	787.6	811.7	829.0	836.3	823.2	793.4
50°	770.9	773.0	782.4	798.9	819.0	843.9	870.1	895.4	909.7	897.5	866.8
52.5°	836.9	837.5	846.4	861.6	877.7	905.1	930.7	965.7	984.3	977.6	940.8
55°	927.7	925.8	931.9	945.0	958.1	984.6	1010.2	1049.7	1076.8	1077.4	1038.2
57.5°	1051.6	1047.3	1051.3	1061.6	1076.2	1100.9	1133.2	1168.2	1204.4	1202.0	1169.7
60°	1224.2	1222.7	1230.0	1247.3	1272.3	1297.9	1334.4	1381.6	1413.6	1424.5	1390.7
62.5°	1339.0	1343.2	1360.0	1386.8	1434.9	1487.8	1555.7	1627.9	1688.8	1716.2	1669.6
65°	1289.7	1296.7	1322.8	1362.4	1426.0	1505.5	1595.6	1714.1	1819.1	1860.8	1812.4
66°	1247.9	1259.2	1283.9	1325.9	1392.3	1479.0	1573.1	1704.0	1822.1	1869.0	1819.7
67.5°	1175.8	1183.7	1211.7	1258.3	1329.5	1415.4	1517.1	1655.3	1788.6	1838.3	1789.3
70°	1028.7	1031.8	1054.6	1094.2	1149.3	1237.3	1329.5	1462.6	1585.3	1655.0	1601.4
72.5°	765.7	770.0	807.7	879.9	951.4	1001.3	1055.8	1162.4	1241.5	1306.7	1296.3
75°	368.4	370.2	395.5	500.8	640.3	699.9	750.5	833.0	863.1	917.6	909.4
77.5°	233.5	237.5	253.9	279.5	358.6	429.6	469.5	516.7	525.5	571.5	544.7
80°	64.2	74.6	91.0	134.0	229.9	274.0	292.0	290.1	292.0	278.0	268.8
82.5°	13.1	12.8	15.5	24.1	101.4	159.5	172.3	146.7	145.8	140.4	144.9
85°	3.3	3.0	3.7	7.6	17.4	47.2	59.4	33.2	25.3	24.1	21.3
87.5°	0.9	0.9	0.9	1.5	1.8	2.4	3.3	2.4	1.8	1.8	1.8
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°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	45.7	45.7	45.4	45.1	45.1	44.8	44.4	44.1	43.8	43.5	43.2
5°	48.4	47.8	46.9	46.3	45.7	44.8	44.1	43.5	42.9	42.6	42.0
7.5°	52.1	50.5	49.3	47.5	46.3	45.1	43.8	42.9	42.0	41.4	40.8
10°	56.6	54.2	51.8	49.3	47.2	45.4	43.5	42.0	41.1	40.2	39.6
12.5°	62.4	58.8	55.4	51.8	48.4	45.7	43.2	41.4	40.2	39.3	38.4
15°	71.9	66.1	60.3	54.8	50.5	46.3	42.9	40.8	39.3	38.4	37.4
17.5°	86.8	76.4	67.3	59.7	52.7	47.2	42.9	40.2	38.4	37.1	36.2
20°	108.4	91.3	76.7	65.8	56.6	48.7	42.9	39.3	37.4	35.9	35.0
22.5°	134.0	112.6	92.6	74.3	61.2	50.8	42.9	38.4	36.2	35.0	33.8
25°	171.4	143.1	115.7	90.1	68.8	54.2	43.8	37.8	35.3	33.8	32.6
27.5°	215.2	181.1	147.0	111.1	80.4	59.1	45.1	37.1	34.4	32.6	31.4
30°	265.2	227.4	185.7	139.1	95.6	65.5	47.2	36.8	33.2	31.4	29.8
32.5°	319.4	279.5	233.8	175.1	118.1	75.2	49.9	36.5	32.0	29.8	28.0
35°	383.9	346.8	291.1	225.6	153.1	91.9	56.0	37.1	30.7	28.3	26.2
37.5°	454.5	415.0	355.9	279.2	187.8	110.8	60.6	36.2	28.6	26.2	24.1
40°	525.8	480.4	420.4	335.5	232.0	134.0	66.4	35.3	26.5	24.1	21.9
42.5°	595.2	547.4	482.2	393.3	278.6	161.4	73.7	35.3	25.0	21.9	19.8
45°	668.0	610.4	539.2	448.8	324.8	192.7	84.0	35.0	23.1	20.1	17.7
47.5°	736.8	668.6	586.7	497.5	374.5	227.1	95.9	35.3	21.6	18.3	16.1
50°	801.9	723.7	635.4	541.0	422.0	264.3	110.5	35.6	20.1	16.7	14.6
52.5°	873.2	786.4	687.8	585.8	468.9	301.7	127.6	36.2	18.6	15.2	13.4
55°	961.5	865.2	752.3	640.6	518.5	339.5	144.0	36.8	17.0	14.0	12.2
57.5°	1088.7	979.1	857.0	722.8	584.2	382.4	161.1	38.4	15.8	13.1	11.3
60°	1295.7	1165.1	1024.2	865.9	682.6	440.5	185.7	41.7	14.3	11.9	10.7
62.5°	1544.8	1387.7	1208.4	1016.3	775.1	479.8	202.2	45.4	13.1	11.0	10.0
65°	1670.2	1472.3	1265.6	1058.3	787.0	468.2	195.5	44.1	11.6	9.7	8.5
66°	1673.9	1467.8	1257.7	1049.1	774.8	454.2	189.1	43.5	11.3	9.4	7.9
67.5°	1639.2	1428.5	1215.7	1007.7	738.9	427.1	177.5	41.4	10.4	8.5	7.0
70°	1467.8	1262.6	1067.4	875.3	635.7	359.9	148.9	36.5	9.1	7.6	6.4
72.5°	1170.0	1002.9	838.5	688.7	494.1	270.0	117.5	29.8	7.9	6.7	5.5
75°	817.1	679.8	554.7	447.8	310.5	161.7	76.1	21.0	6.7	5.5	4.6
77.5°	456.1	361.7	273.4	208.2	123.9	50.5	25.3	10.7	5.8	4.3	3.7
80°	232.0	172.0	130.9	96.5	57.2	26.2	12.8	7.0	4.6	3.3	3.0
82.5°	134.9	98.9	78.9	62.4	39.3	19.8	10.4	5.2	3.0	2.4	2.7
85°	30.1	39.9	33.8	28.6	21.0	12.5	7.3	3.3	2.1	2.1	2.4
87.5°	2.4	3.3	3.0	4.0	4.3	4.0	3.0	1.8	1.5	1.8	1.8
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°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	42.9	42.6	42.6	42.3	42.0	42.0	42.0	41.7	42.0	42.0	42.0
5°	41.7	41.4	41.1	40.8	40.5	40.2	40.2	39.9	39.9	39.9	40.2
7.5°	40.5	39.9	39.6	39.0	38.7	38.4	38.4	38.1	38.1	38.1	38.1
10°	39.0	38.4	37.8	37.4	37.1	36.5	36.5	36.2	35.9	35.9	35.9
12.5°	37.8	37.1	36.5	35.9	35.3	35.0	34.7	34.4	34.1	34.1	34.1
15°	36.5	35.6	35.0	34.4	33.8	33.2	32.9	32.6	32.3	32.0	32.0
17.5°	35.3	34.4	33.5	32.9	32.3	31.7	31.4	30.4	30.4	30.1	30.1
20°	33.8	32.9	32.0	31.4	30.7	30.1	29.5	28.9	28.3	28.0	28.0
22.5°	32.6	31.7	30.7	29.8	28.9	28.0	27.4	26.8	26.5	26.2	25.9
25°	31.4	30.1	28.9	28.0	27.1	26.2	25.6	25.0	24.4	24.1	24.1
27.5°	29.8	28.6	27.4	26.2	25.3	24.4	23.7	22.8	22.5	22.2	21.9
30°	28.3	26.8	25.6	24.4	23.4	22.2	21.6	21.0	20.4	20.4	20.1
32.5°	26.5	25.0	23.7	22.5	21.3	20.4	19.8	19.2	18.9	18.3	18.3
35°	24.7	23.1	21.6	20.4	19.5	18.6	18.0	17.4	16.7	16.4	16.4
37.5°	22.5	21.0	19.8	18.6	17.7	16.7	16.1	15.5	15.2	14.9	14.6
40°	20.1	18.6	17.7	16.7	15.8	15.2	14.3	13.7	13.4	13.1	12.8
42.5°	18.0	16.4	15.8	15.2	14.3	13.7	12.8	12.2	11.6	11.3	11.0
45°	16.1	14.9	14.3	13.7	12.8	11.9	11.3	10.7	10.0	9.7	9.7
47.5°	14.3	13.4	12.8	12.2	11.3	10.7	9.7	9.4	8.8	8.8	8.8
50°	13.1	12.2	11.6	11.0	10.4	9.4	8.8	8.5	8.2	8.2	8.5
52.5°	12.2	11.3	10.7	10.0	9.4	8.8	8.2	7.9	7.9	8.2	8.5
55°	11.3	10.4	9.7	9.1	8.5	8.2	7.6	7.6	7.9	8.2	8.5
57.5°	10.7	9.4	8.8	8.5	7.9	7.6	7.6	7.6	7.9	8.2	8.8
60°	9.7	8.5	7.9	7.9	7.3	7.3	7.3	7.6	7.9	8.5	8.8
62.5°	8.5	7.6	7.3	7.3	7.0	7.0	7.3	7.6	8.2	8.5	8.8
65°	7.3	6.7	6.7	6.7	6.7	7.0	7.3	7.6	7.9	8.5	8.8
66°	6.7	6.4	6.4	6.7	6.7	7.0	7.3	7.6	7.9	8.2	8.5
67.5°	6.4	6.1	6.1	6.4	6.7	6.7	7.0	7.6	7.9	8.2	8.2
70°	5.5	5.5	5.5	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2
72.5°	4.9	4.9	5.2	5.5	6.1	6.4	6.7	7.0	7.6	7.9	7.9
75°	4.3	4.3	4.9	5.2	5.8	6.1	6.7	7.0	7.3	7.6	7.6
77.5°	3.7	4.0	4.6	5.2	5.5	6.1	6.4	6.7	7.0	7.3	7.3
80°	3.3	4.0	4.6	4.9	5.2	5.5	5.8	6.4	6.7	7.0	7.3
82.5°	3.3	3.7	4.3	4.6	4.9	5.5	5.8	6.1	6.4	6.7	7.0
85°	2.7	3.3	3.7	4.3	4.6	5.2	5.5	5.5	5.8	6.1	6.4
87.5°	2.1	2.4	2.4	3.0	3.3	4.0	4.6	4.6	4.9	5.2	5.5
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°	44.1	44.1	44.1	44.1
2.5°	42.0	42.3	42.3	42.3
5°	40.2	40.2	40.2	40.2
7.5°	38.1	38.1	38.1	38.1
10°	35.9	35.9	36.2	35.9
12.5°	34.1	33.8	33.8	33.8
15°	32.0	32.0	31.7	32.0
17.5°	29.8	29.8	29.5	29.5
20°	27.7	27.7	27.7	27.7
22.5°	25.9	25.6	25.6	25.6
25°	23.7	23.7	23.7	23.7
27.5°	21.9	21.9	21.9	21.9
30°	20.1	20.1	19.8	19.8
32.5°	18.3	18.3	18.3	18.3
35°	16.4	16.4	16.1	16.1
37.5°	14.3	14.3	14.3	14.3
40°	12.5	12.5	12.5	12.5
42.5°	11.0	11.0	10.7	10.7
45°	9.4	9.4	9.4	9.4
47.5°	8.8	8.8	8.8	8.8
50°	8.5	8.8	8.8	8.8
52.5°	8.8	8.8	8.8	8.8
55°	8.8	9.1	9.1	9.1
57.5°	8.8	9.1	9.1	9.4
60°	9.1	9.4	9.4	9.4
62.5°	9.1	9.4	9.4	9.4
65°	8.8	9.1	9.1	9.1
66°	8.8	8.8	8.8	9.1
67.5°	8.5	8.8	8.8	8.8
70°	8.2	8.5	8.5	8.8
72.5°	8.2	8.5	8.5	8.5
75°	7.9	7.9	8.2	8.2
77.5°	7.6	7.6	7.9	7.9
80°	7.3	7.6	7.6	7.6
82.5°	7.0	7.3	7.3	7.3
85°	6.4	6.7	6.7	6.7
87.5°	5.5	5.5	5.8	5.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)