

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: P156271

Luminaire Tested: **AVM-E01-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156271
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-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1984.5 lumens
Efficiency: N/A
Efficacy: 80.3 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

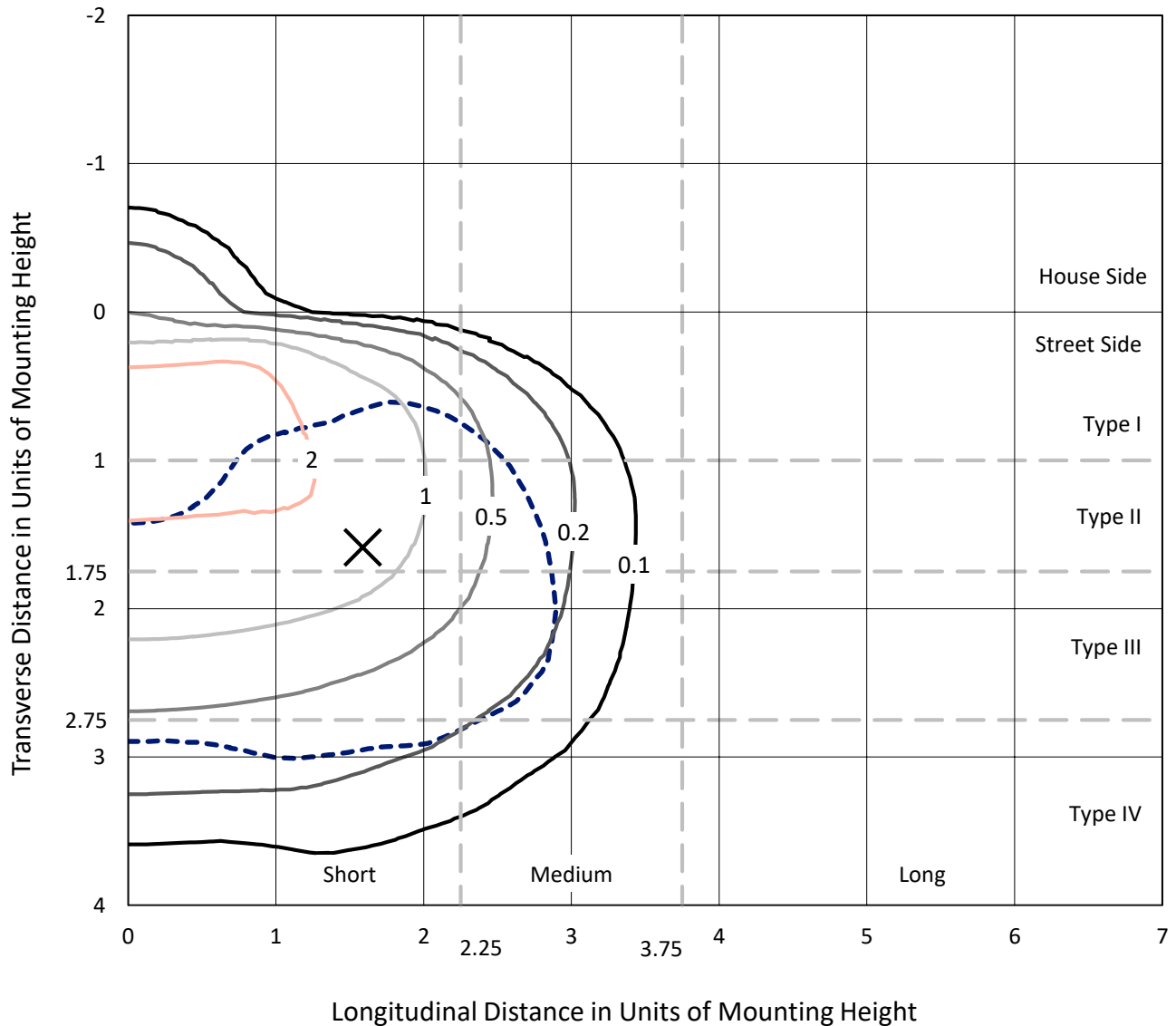
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

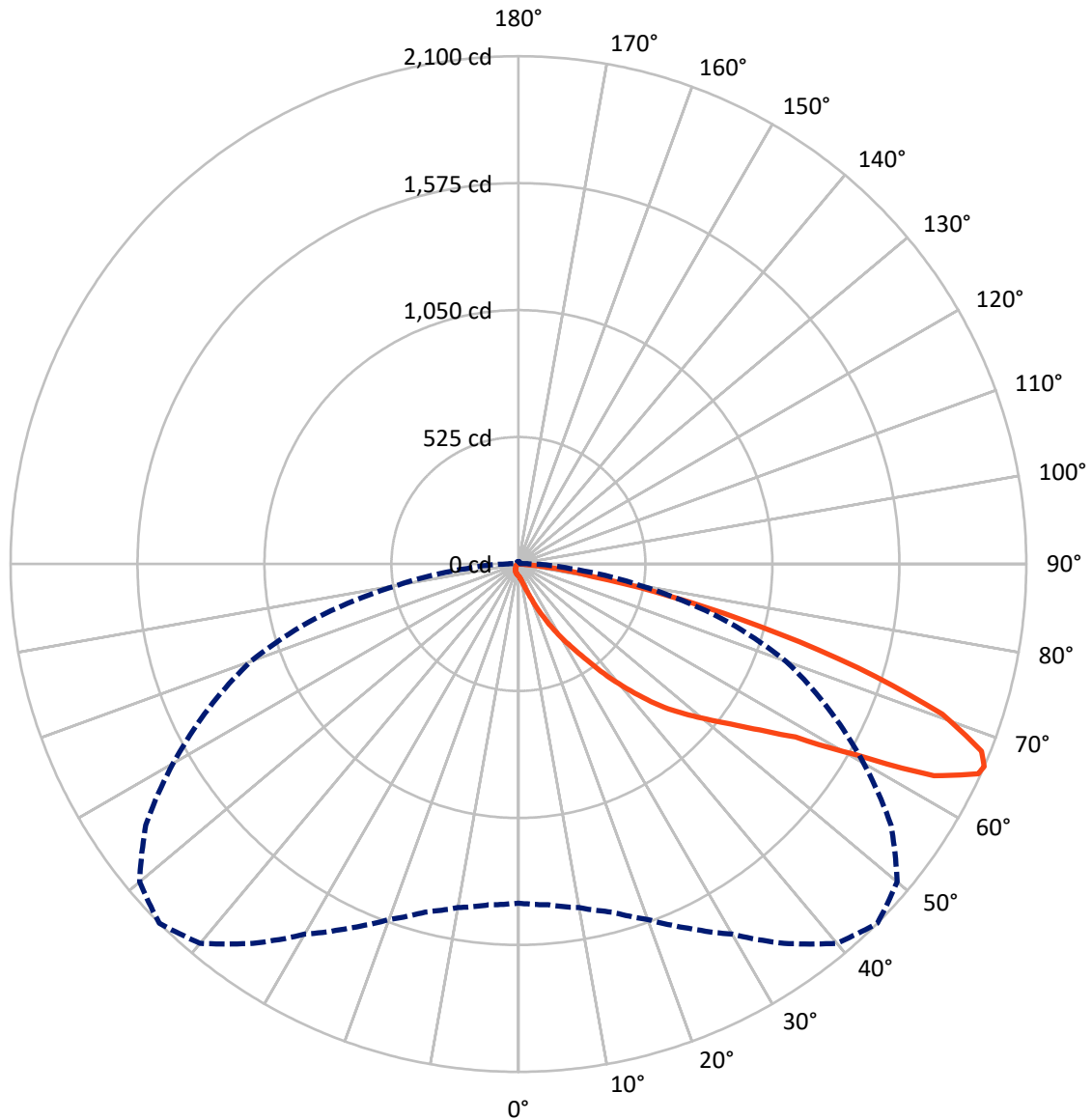
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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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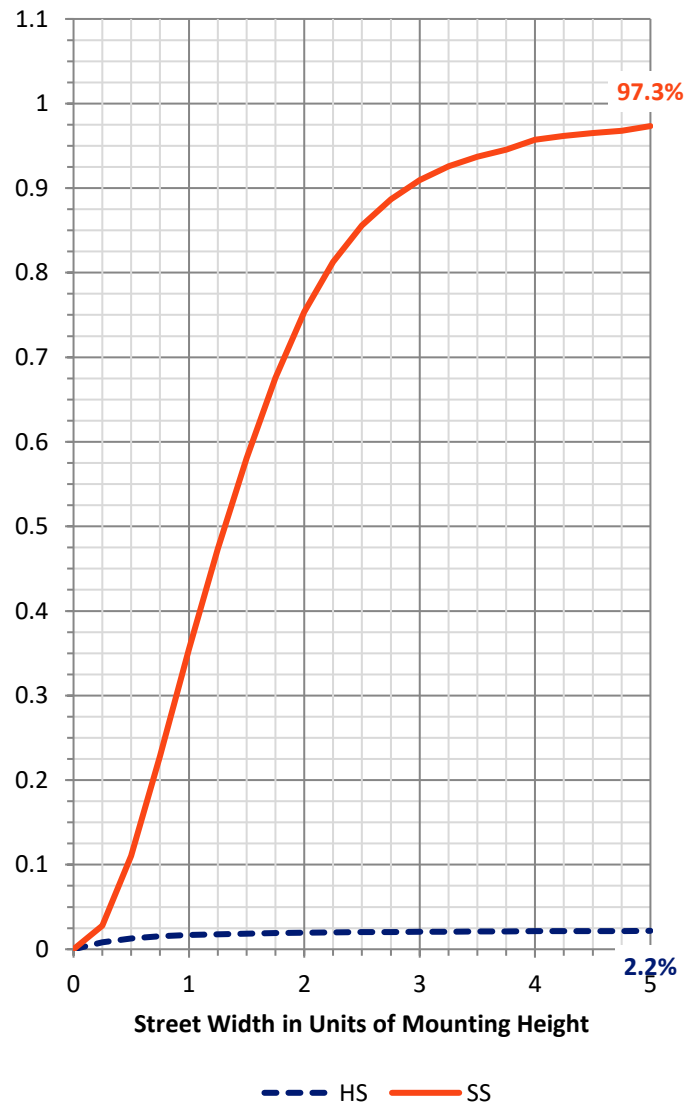
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.0	0.0	45.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1939.6	0.0	1939.6
	% Fixture	97.7	0.0	97.7
Total	Lumens	1984.5	0.0	1984.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.3
10°-20°	20.2	1.0
20°-30°	59.3	3.0
30°-40°	138.5	7.0
40°-50°	260.1	13.1
50°-60°	431.1	21.7
60°-70°	684.4	34.5
70°-80°	353.9	17.8
80°-90°	32.0	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°	1984.5	100.0
0°-180°	1984.5	100.0



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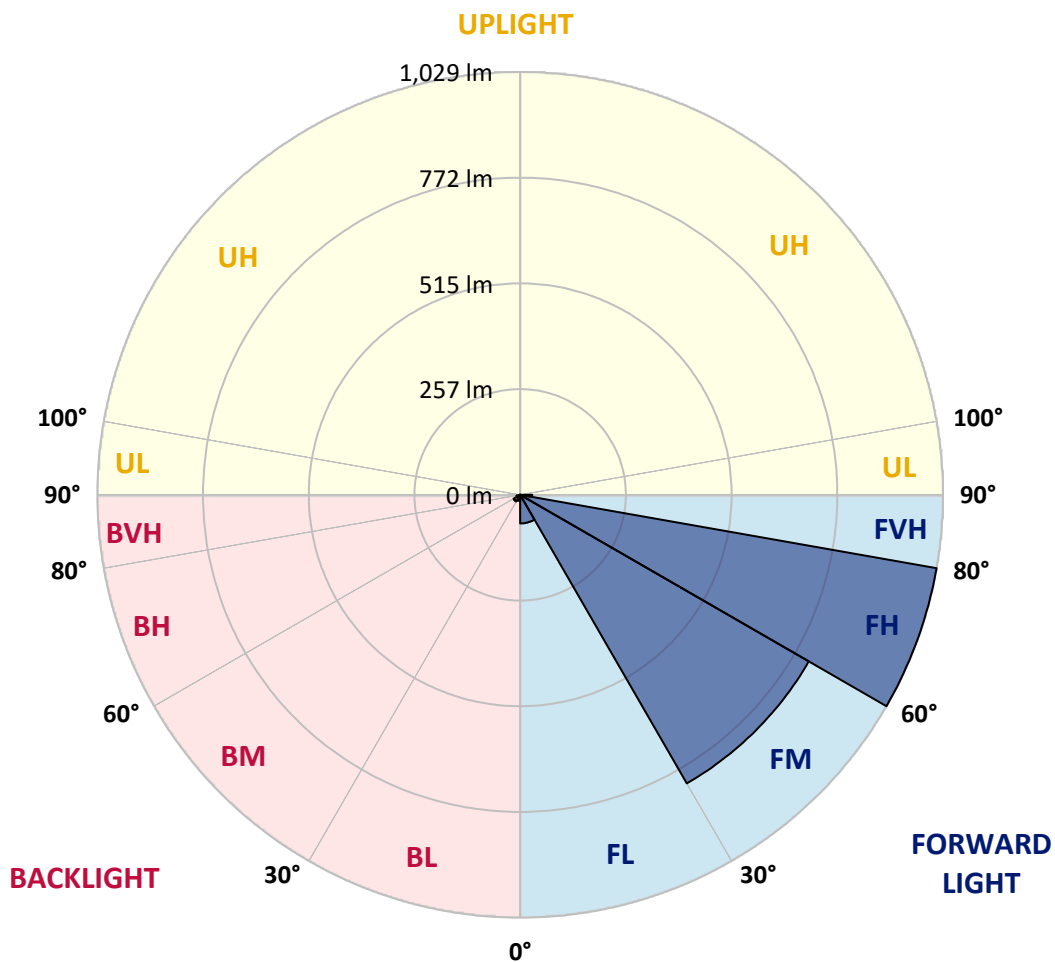
CATALOG NUMBER: AVM-E01-LED-E-U-T4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.8	3.5			
FM	(30°-60°)	811.1	40.9			
FH	(60°-80°)	1029.2	51.9			G1/1800
FVH	(80°-90°)	29.4	1.5			G1/100
BL	(0°-30°)	14.7	0.7	B0/110		
BM	(30°-60°)	18.7	0.9	B0/220		
BH	(60°-80°)	9.1	0.5	B0/110		G0/110
BVH	(80°-90°)	2.5	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°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2.5°	53.7	53.7	53.7	53.7	53.4	53.0	52.7	52.3	52.0	52.0	51.6
5°	60.9	61.2	60.9	60.5	59.9	59.5	58.5	57.8	56.8	56.4	55.4
7.5°	70.8	70.5	70.8	69.8	68.4	68.1	66.7	65.0	63.6	61.6	60.2
10°	85.2	84.8	85.2	83.1	81.1	79.4	77.0	74.9	71.8	69.4	66.7
12.5°	108.1	108.1	107.4	104.7	101.9	98.2	94.4	90.0	84.5	79.7	75.2
15°	143.3	141.6	138.5	136.8	132.0	126.2	122.1	113.2	105.3	97.8	88.9
17.5°	185.7	182.3	179.9	176.1	170.0	162.5	155.6	142.6	134.8	122.4	109.8
20°	234.3	230.2	229.5	223.7	217.2	209.0	199.1	183.7	170.3	154.9	137.2
22.5°	283.9	284.6	281.8	277.7	271.2	261.7	246.3	232.2	215.8	196.3	173.4
25°	339.3	339.0	336.6	331.8	327.0	315.0	302.7	289.4	269.9	244.9	217.5
27.5°	391.3	390.9	385.1	385.5	376.2	371.8	359.8	345.5	321.9	301.0	271.2
30°	445.7	442.3	438.5	435.8	429.3	421.4	415.2	398.1	380.3	355.7	331.4
32.5°	500.7	497.0	498.0	494.6	489.5	481.6	472.4	458.3	439.2	415.2	392.7
35°	568.1	566.4	563.7	564.7	563.7	557.9	550.0	531.5	510.7	487.7	464.5
37.5°	618.1	616.3	618.1	625.2	627.0	630.7	624.9	615.7	600.6	575.6	551.4
40°	664.2	664.6	672.4	681.3	687.5	699.8	701.9	698.1	686.1	663.2	631.4
42.5°	705.6	710.7	717.9	732.6	746.0	763.4	776.4	778.5	769.6	754.5	722.4
45°	751.8	756.2	767.5	785.0	803.4	825.0	845.9	856.8	856.1	845.5	811.0
47.5°	803.4	809.3	821.6	835.9	860.6	884.8	911.9	931.4	939.6	924.9	891.3
50°	866.0	868.4	879.0	897.5	920.1	948.1	977.5	1005.9	1022.0	1008.3	973.8
52.5°	940.3	940.9	950.9	968.0	986.1	1016.9	1045.6	1084.9	1105.8	1098.3	1056.9
55°	1042.2	1040.1	1047.0	1061.7	1076.4	1106.1	1134.9	1179.3	1209.8	1210.5	1166.3
57.5°	1181.4	1176.6	1181.0	1192.7	1209.1	1236.8	1273.1	1312.4	1353.1	1350.4	1314.1
60°	1375.3	1373.6	1381.8	1401.3	1429.4	1458.1	1499.1	1552.2	1588.1	1600.4	1562.4
62.5°	1504.3	1509.1	1527.9	1558.0	1612.0	1671.5	1747.8	1828.9	1897.3	1928.1	1875.7
65°	1448.9	1456.7	1486.1	1530.6	1602.1	1691.4	1792.6	1925.7	2043.7	2090.5	2036.1
66°	1402.0	1414.7	1442.4	1489.6	1564.1	1661.6	1767.3	1914.4	2047.1	2099.8	2044.3
67.5°	1320.9	1329.8	1361.3	1413.6	1493.7	1590.1	1704.4	1859.6	2009.5	2065.2	2010.1
70°	1155.7	1159.2	1184.8	1229.3	1291.2	1390.0	1493.7	1643.1	1781.0	1859.3	1799.1
72.5°	860.2	865.0	907.4	988.5	1068.9	1125.0	1186.2	1305.9	1394.8	1468.0	1456.4
75°	413.9	415.9	444.3	562.6	719.3	786.3	843.1	935.8	969.7	1030.9	1021.7
77.5°	262.3	266.8	285.3	314.0	402.9	482.6	527.4	580.4	590.4	642.0	611.9
80°	72.2	83.8	102.3	150.5	258.2	307.8	328.0	326.0	328.0	312.3	302.0
82.5°	14.7	14.4	17.4	27.0	113.9	179.2	193.6	164.9	163.8	157.7	162.8
85°	3.8	3.4	4.1	8.6	19.5	53.0	66.7	37.3	28.4	27.0	23.9
87.5°	1.0	1.0	1.0	1.7	2.1	2.7	3.8	2.7	2.1	2.1	2.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2.5°	51.3	51.3	51.0	50.6	50.6	50.3	49.9	49.6	49.3	48.9	48.6
5°	54.4	53.7	52.7	52.0	51.3	50.3	49.6	48.9	48.2	47.9	47.2
7.5°	58.5	56.8	55.4	53.4	52.0	50.6	49.3	48.2	47.2	46.5	45.8
10°	63.6	60.9	58.1	55.4	53.0	51.0	48.9	47.2	46.2	45.1	44.5
12.5°	70.1	66.0	62.3	58.1	54.4	51.3	48.6	46.5	45.1	44.1	43.1
15°	80.7	74.2	67.7	61.6	56.8	52.0	48.2	45.8	44.1	43.1	42.1
17.5°	97.5	85.9	75.6	67.0	59.2	53.0	48.2	45.1	43.1	41.7	40.7
20°	121.8	102.6	86.2	73.9	63.6	54.7	48.2	44.1	42.1	40.4	39.3
22.5°	150.5	126.6	104.0	83.5	68.7	57.1	48.2	43.1	40.7	39.3	38.0
25°	192.6	160.8	130.0	101.2	77.3	60.9	49.3	42.4	39.7	38.0	36.6
27.5°	241.8	203.5	165.2	124.8	90.3	66.4	50.6	41.7	38.6	36.6	35.2
30°	297.9	255.5	208.6	156.3	107.4	73.5	53.0	41.4	37.3	35.2	33.5
32.5°	358.8	314.0	262.7	196.7	132.7	84.5	56.1	41.0	35.9	33.5	31.5
35°	431.3	389.6	327.0	253.4	172.0	103.3	62.9	41.7	34.5	31.8	29.4
37.5°	510.7	466.2	399.8	313.6	211.0	124.5	68.1	40.7	32.2	29.4	27.0
40°	590.7	539.7	472.4	376.9	260.6	150.5	74.6	39.7	29.8	27.0	24.6
42.5°	668.7	615.0	541.8	441.9	313.0	181.3	82.8	39.7	28.0	24.6	22.2
45°	750.4	685.8	605.7	504.2	365.0	216.5	94.4	39.3	26.0	22.6	19.8
47.5°	827.7	751.1	659.1	558.9	420.7	255.2	107.7	39.7	24.3	20.5	18.1
50°	900.9	813.0	713.8	607.8	474.1	296.9	124.2	40.0	22.6	18.8	16.4
52.5°	981.0	883.5	772.7	658.1	526.7	339.0	143.3	40.7	20.9	17.1	15.0
55°	1080.1	972.1	845.2	719.6	582.5	381.4	161.8	41.4	19.2	15.7	13.7
57.5°	1223.1	1100.0	962.8	812.0	656.4	429.6	180.9	43.1	17.8	14.7	12.7
60°	1455.7	1309.0	1150.6	972.7	766.8	494.9	208.6	46.9	16.1	13.3	12.0
62.5°	1735.5	1559.0	1357.5	1141.7	870.8	539.0	227.1	51.0	14.7	12.3	11.3
65°	1876.4	1654.1	1421.8	1188.9	884.2	526.1	219.6	49.6	13.0	10.9	9.6
66°	1880.5	1649.0	1412.9	1178.7	870.5	510.3	212.4	48.9	12.7	10.6	8.9
67.5°	1841.5	1604.8	1365.7	1132.1	830.1	479.9	199.4	46.5	11.6	9.6	7.9
70°	1649.0	1418.4	1199.2	983.4	714.2	404.3	167.3	41.0	10.3	8.6	7.2
72.5°	1314.4	1126.7	942.0	773.7	555.1	303.4	132.0	33.5	8.9	7.5	6.2
75°	918.0	763.8	623.2	503.1	348.9	181.6	85.5	23.6	7.5	6.2	5.1
77.5°	512.4	406.3	307.1	234.0	139.2	56.8	28.4	12.0	6.5	4.8	4.1
80°	260.6	193.2	147.1	108.4	64.3	29.4	14.4	7.9	5.1	3.8	3.4
82.5°	151.5	111.2	88.6	70.1	44.1	22.2	11.6	5.8	3.4	2.7	3.1
85°	33.9	44.8	38.0	32.2	23.6	14.0	8.2	3.8	2.4	2.4	2.7
87.5°	2.7	3.8	3.4	4.4	4.8	4.4	3.4	2.1	1.7	2.1	2.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2.5°	48.2	47.9	47.9	47.5	47.2	47.2	47.2	46.9	47.2	47.2	47.2
5°	46.9	46.5	46.2	45.8	45.5	45.1	45.1	44.8	44.8	44.8	45.1
7.5°	45.5	44.8	44.5	43.8	43.4	43.1	43.1	42.8	42.8	42.8	42.8
10°	43.8	43.1	42.4	42.1	41.7	41.0	41.0	40.7	40.4	40.4	40.4
12.5°	42.4	41.7	41.0	40.4	39.7	39.3	39.0	38.6	38.3	38.3	38.3
15°	41.0	40.0	39.3	38.6	38.0	37.3	36.9	36.6	36.3	35.9	35.9
17.5°	39.7	38.6	37.6	36.9	36.3	35.6	35.2	34.2	34.2	33.9	33.9
20°	38.0	36.9	35.9	35.2	34.5	33.9	33.2	32.5	31.8	31.5	31.5
22.5°	36.6	35.6	34.5	33.5	32.5	31.5	30.8	30.1	29.8	29.4	29.1
25°	35.2	33.9	32.5	31.5	30.4	29.4	28.7	28.0	27.4	27.0	27.0
27.5°	33.5	32.2	30.8	29.4	28.4	27.4	26.7	25.7	25.3	25.0	24.6
30°	31.8	30.1	28.7	27.4	26.3	25.0	24.3	23.6	22.9	22.9	22.6
32.5°	29.8	28.0	26.7	25.3	23.9	22.9	22.2	21.5	21.2	20.5	20.5
35°	27.7	26.0	24.3	22.9	21.9	20.9	20.2	19.5	18.8	18.5	18.5
37.5°	25.3	23.6	22.2	20.9	19.8	18.8	18.1	17.4	17.1	16.8	16.4
40°	22.6	20.9	19.8	18.8	17.8	17.1	16.1	15.4	15.0	14.7	14.4
42.5°	20.2	18.5	17.8	17.1	16.1	15.4	14.4	13.7	13.0	12.7	12.3
45°	18.1	16.8	16.1	15.4	14.4	13.3	12.7	12.0	11.3	10.9	10.9
47.5°	16.1	15.0	14.4	13.7	12.7	12.0	10.9	10.6	9.9	9.9	9.9
50°	14.7	13.7	13.0	12.3	11.6	10.6	9.9	9.6	9.2	9.2	9.6
52.5°	13.7	12.7	12.0	11.3	10.6	9.9	9.2	8.9	8.9	9.2	9.6
55°	12.7	11.6	10.9	10.3	9.6	9.2	8.6	8.6	8.9	9.2	9.6
57.5°	12.0	10.6	9.9	9.6	8.9	8.6	8.6	8.6	8.9	9.2	9.9
60°	10.9	9.6	8.9	8.9	8.2	8.2	8.2	8.6	8.9	9.6	9.9
62.5°	9.6	8.6	8.2	8.2	7.9	7.9	8.2	8.6	9.2	9.6	9.9
65°	8.2	7.5	7.5	7.5	7.5	7.9	8.2	8.6	8.9	9.6	9.9
66°	7.5	7.2	7.2	7.5	7.5	7.9	8.2	8.6	8.9	9.2	9.6
67.5°	7.2	6.8	6.8	7.2	7.5	7.5	7.9	8.6	8.9	9.2	9.2
70°	6.2	6.2	6.2	6.8	7.2	7.5	7.9	8.2	8.6	8.9	9.2
72.5°	5.5	5.5	5.8	6.2	6.8	7.2	7.5	7.9	8.6	8.9	8.9
75°	4.8	4.8	5.5	5.8	6.5	6.8	7.5	7.9	8.2	8.6	8.6
77.5°	4.1	4.4	5.1	5.8	6.2	6.8	7.2	7.5	7.9	8.2	8.2
80°	3.8	4.4	5.1	5.5	5.8	6.2	6.5	7.2	7.5	7.9	8.2
82.5°	3.8	4.1	4.8	5.1	5.5	6.2	6.5	6.8	7.2	7.5	7.9
85°	3.1	3.8	4.1	4.8	5.1	5.8	6.2	6.2	6.5	6.8	7.2
87.5°	2.4	2.7	2.7	3.4	3.8	4.4	5.1	5.1	5.5	5.8	6.2
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°	49.6	49.6	49.6	49.6
2.5°	47.2	47.5	47.5	47.5
5°	45.1	45.1	45.1	45.1
7.5°	42.8	42.8	42.8	42.8
10°	40.4	40.4	40.7	40.4
12.5°	38.3	38.0	38.0	38.0
15°	35.9	35.9	35.6	35.9
17.5°	33.5	33.5	33.2	33.2
20°	31.1	31.1	31.1	31.1
22.5°	29.1	28.7	28.7	28.7
25°	26.7	26.7	26.7	26.7
27.5°	24.6	24.6	24.6	24.6
30°	22.6	22.6	22.2	22.2
32.5°	20.5	20.5	20.5	20.5
35°	18.5	18.5	18.1	18.1
37.5°	16.1	16.1	16.1	16.1
40°	14.0	14.0	14.0	14.0
42.5°	12.3	12.3	12.0	12.0
45°	10.6	10.6	10.6	10.6
47.5°	9.9	9.9	9.9	9.9
50°	9.6	9.9	9.9	9.9
52.5°	9.9	9.9	9.9	9.9
55°	9.9	10.3	10.3	10.3
57.5°	9.9	10.3	10.3	10.6
60°	10.3	10.6	10.6	10.6
62.5°	10.3	10.6	10.6	10.6
65°	9.9	10.3	10.3	10.3
66°	9.9	9.9	9.9	10.3
67.5°	9.6	9.9	9.9	9.9
70°	9.2	9.6	9.6	9.9
72.5°	9.2	9.6	9.6	9.6
75°	8.9	8.9	9.2	9.2
77.5°	8.6	8.6	8.9	8.9
80°	8.2	8.6	8.6	8.6
82.5°	7.9	8.2	8.2	8.2
85°	7.2	7.5	7.5	7.5
87.5°	6.2	6.2	6.5	6.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)