

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: INVUE

Report Number: P150435

Luminaire Tested: **VXS-F01-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150435
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F01-LED-E1-SL3-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1431.3 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-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: 25 FT



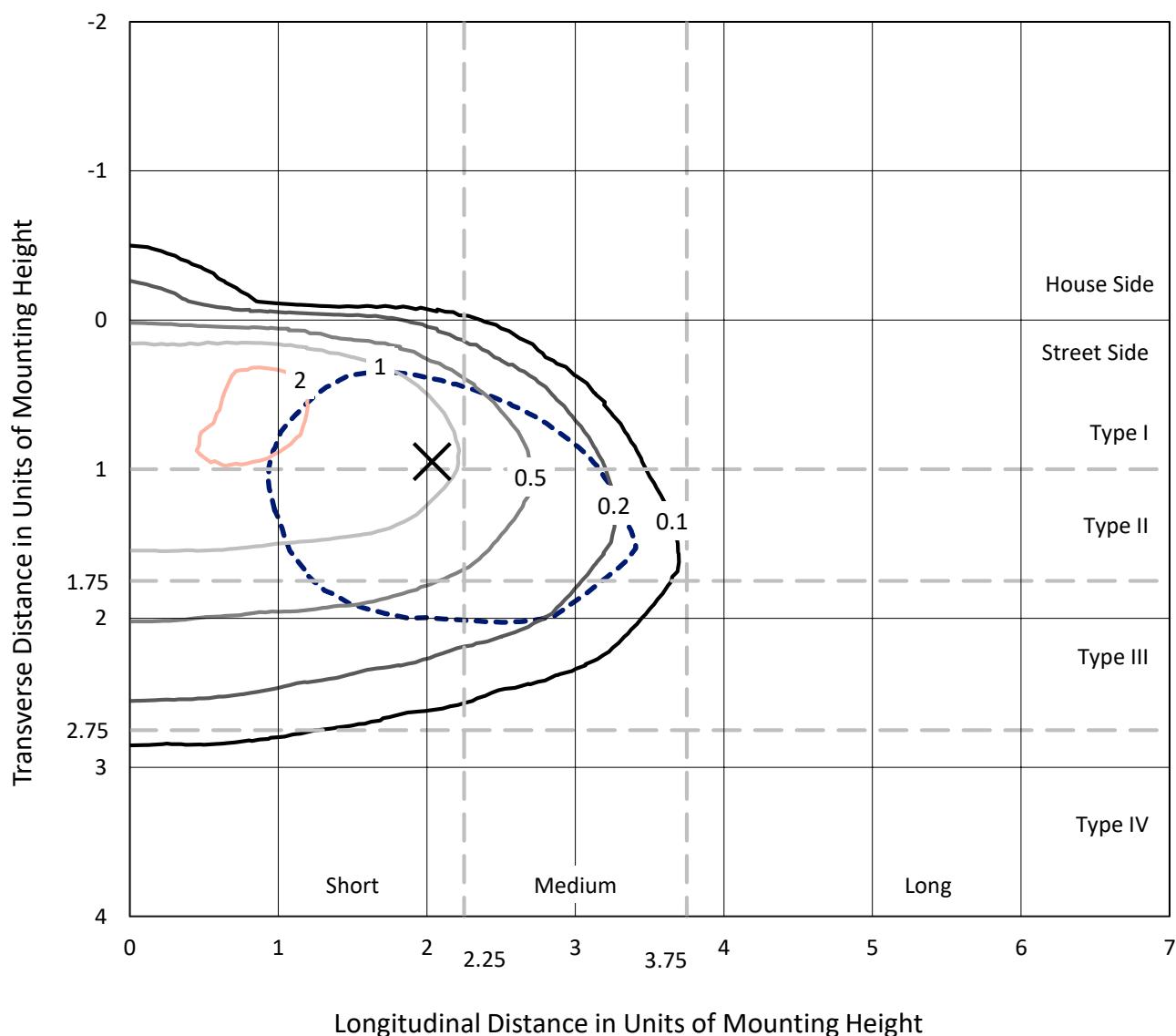
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

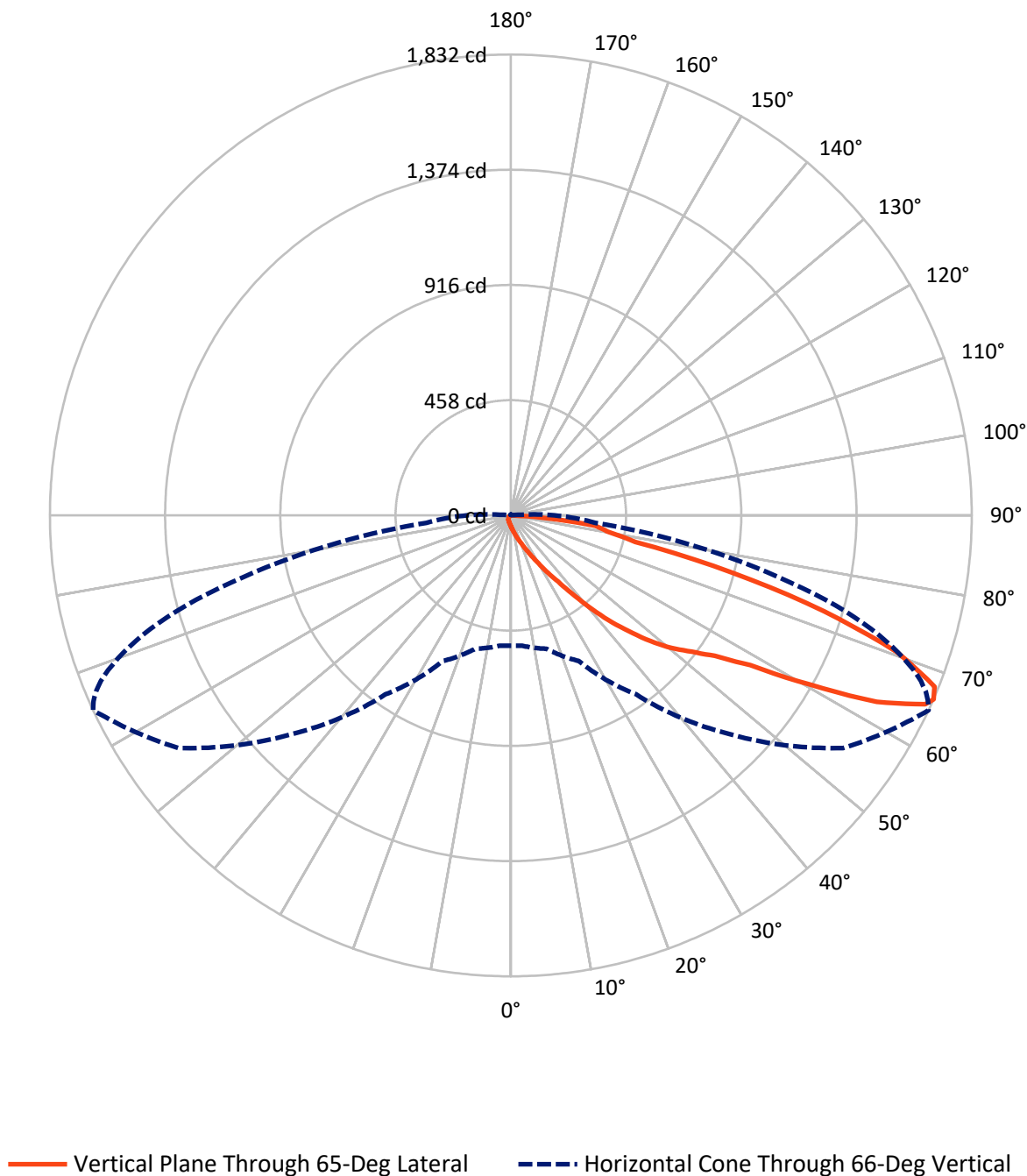


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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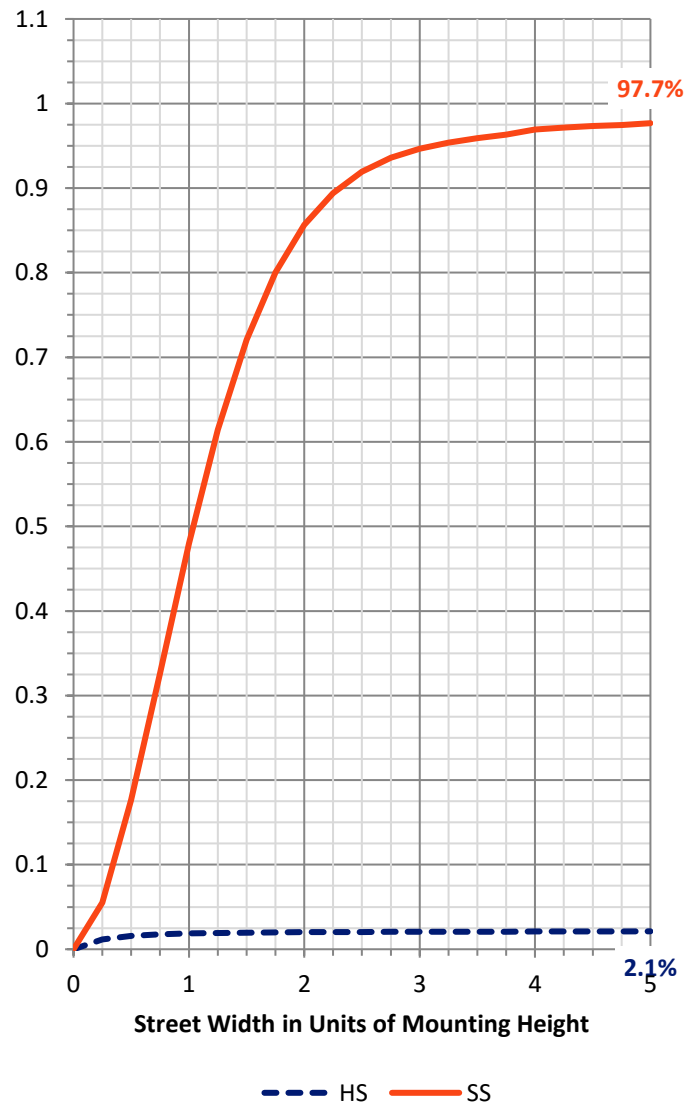
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.0	0.0	31.0
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1400.3	0.0	1400.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	1431.3	0.0	1431.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.3
10°-20°	20.5	1.4
20°-30°	44.2	3.1
30°-40°	94.5	6.6
40°-50°	208.9	14.6
50°-60°	354.0	24.7
60°-70°	472.4	33.0
70°-80°	208.1	14.5
80°-90°	24.0	1.7
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°	1431.3	100.0
0°-180°	1431.3	100.0

Coefficient of Utilization



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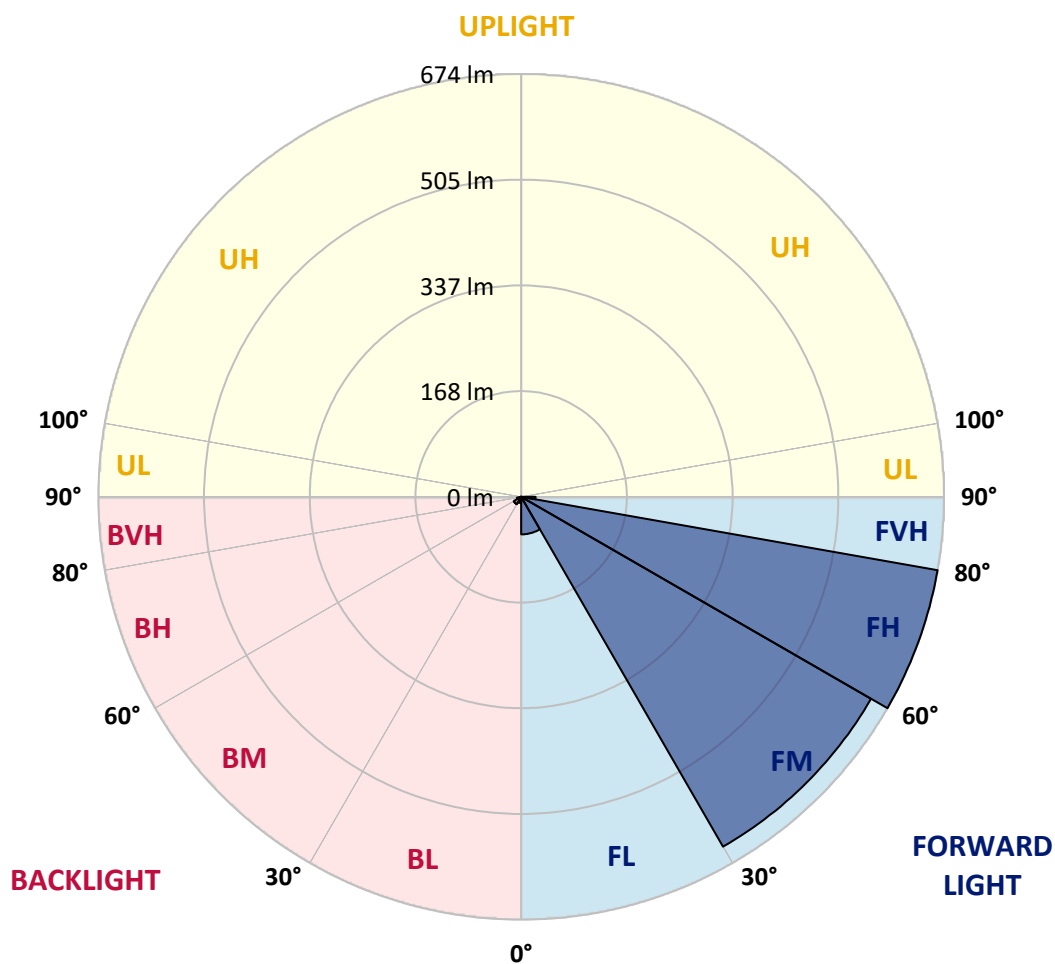
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.8	4.2			
FM	(30°-60°)	643.7	45.0			
FH	(60°-80°)	673.8	47.1			G1/1800
FVH	(80°-90°)	23.0	1.6			G1/100
BL	(0°-30°)	9.8	0.7	B0/110		
BM	(30°-60°)	13.6	1.0	B0/220		
BH	(60°-80°)	6.7	0.5	B0/110		G0/110
BVH	(80°-90°)	1.0	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	54.5	54.2	53.1	53.1	51.5	50.4	49.0	47.6	47.6	47.4	47.0
5°	72.1	70.5	70.2	67.2	64.7	61.1	57.8	53.4	52.8	52.3	52.0
7.5°	91.6	91.4	88.9	85.3	80.3	73.8	67.2	60.0	58.9	58.3	57.2
10°	117.0	115.5	112.2	106.2	98.8	89.9	79.3	68.0	66.6	65.5	65.0
12.5°	141.1	138.7	136.8	129.0	119.7	106.7	93.9	77.6	76.5	75.1	73.0
15°	163.7	161.6	158.2	151.6	141.1	125.0	109.8	89.9	87.3	85.3	83.6
17.5°	181.3	180.0	176.1	168.7	157.4	143.1	125.0	102.6	100.4	97.9	94.9
20°	198.1	196.2	190.2	180.0	167.9	156.9	142.8	119.2	116.2	113.1	109.8
22.5°	214.1	212.1	202.3	185.5	172.5	167.9	162.9	137.8	133.2	130.7	127.4
25°	236.4	232.2	216.8	190.2	172.8	176.4	184.9	162.1	157.7	154.1	148.9
27.5°	266.3	260.8	236.7	197.0	173.9	185.7	210.3	191.5	186.8	182.7	176.9
30°	300.2	296.7	267.8	213.6	181.9	199.5	238.5	228.9	223.4	218.4	211.6
32.5°	334.3	329.4	300.7	244.9	203.3	226.2	274.1	272.4	265.3	260.6	253.2
35°	364.4	361.9	340.6	296.4	252.3	273.0	321.5	323.3	317.0	312.0	303.8
37.5°	384.7	384.7	380.5	351.7	330.3	345.6	391.0	391.3	385.0	373.7	369.5
40°	395.1	398.1	413.1	418.5	417.4	437.2	482.4	477.4	472.2	466.4	452.6
42.5°	416.6	419.4	451.0	489.0	513.8	539.9	571.0	569.3	563.0	552.5	539.9
45°	453.0	456.5	494.2	554.5	605.4	642.5	662.4	654.6	648.3	638.4	631.8
47.5°	499.2	506.0	548.7	623.3	684.7	746.0	766.6	746.3	740.7	733.1	722.4
50°	548.4	555.0	600.4	685.7	755.1	828.3	862.7	828.3	820.3	817.8	805.7
52.5°	591.1	596.6	640.3	733.9	809.0	894.8	945.0	899.6	893.8	885.5	876.7
55°	616.4	620.8	661.8	757.0	845.6	954.8	1024.5	984.6	976.1	972.7	960.1
57.5°	625.0	629.3	666.2	760.0	865.4	1009.6	1121.0	1122.5	1112.2	1100.4	1096.6
60°	625.0	629.8	660.9	752.6	884.7	1068.0	1249.8	1364.6	1342.6	1340.4	1326.3
62.5°	599.1	603.7	635.1	729.7	910.6	1146.6	1429.2	1631.8	1625.5	1611.2	1588.1
65°	542.9	545.7	576.5	671.4	900.6	1219.1	1584.8	1809.5	1799.4	1771.3	1741.6
66°	517.6	519.8	548.7	638.1	868.2	1228.9	1612.2	1831.8	1815.0	1791.4	1757.8
67.5°	481.0	484.9	505.2	576.2	790.3	1194.5	1594.9	1816.2	1801.6	1773.0	1739.4
70°	321.1	318.3	390.2	442.2	602.1	973.3	1430.9	1630.7	1631.0	1617.5	1604.0
72.5°	152.4	154.1	175.0	272.1	394.1	650.3	1139.0	1301.6	1320.3	1296.1	1279.3
75°	109.5	112.0	124.7	166.5	235.0	390.2	738.3	910.3	910.9	867.9	829.6
77.5°	31.9	33.3	46.7	102.6	176.1	263.3	424.0	506.0	494.2	463.4	434.5
80°	13.2	13.2	13.8	32.7	70.7	178.9	296.7	389.6	388.3	376.5	359.4
82.5°	5.0	5.2	6.6	13.5	16.8	44.0	197.8	338.2	337.4	320.6	308.5
85°	0.5	0.5	1.7	5.8	6.3	8.3	39.6	149.1	148.3	149.1	130.7
87.5°	0.0	0.0	0.3	0.5	0.8	1.1	1.7	5.8	6.3	6.0	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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	47.0	46.5	46.5	46.2	46.2	46.2	45.9	45.7	45.7	45.4	45.1
5°	51.5	50.9	50.7	50.1	49.8	49.5	49.0	48.7	48.2	47.9	47.6
7.5°	56.7	55.5	55.3	54.5	53.7	53.1	52.5	51.7	51.2	50.1	49.8
10°	63.3	61.9	60.8	59.7	58.9	57.5	56.7	55.5	54.5	53.7	52.8
12.5°	71.8	69.8	68.3	67.2	65.2	63.5	61.9	61.1	58.9	57.8	56.4
15°	81.1	79.0	77.1	74.8	73.5	70.7	68.5	66.0	65.0	63.0	60.8
17.5°	93.3	89.7	86.6	84.5	81.8	79.0	76.5	74.0	70.7	68.5	65.8
20°	106.2	103.2	99.1	95.2	91.9	88.6	85.1	81.8	78.7	75.1	71.8
22.5°	122.7	118.3	113.4	109.5	105.1	101.6	96.6	92.2	87.3	82.6	78.7
25°	143.6	137.8	133.2	127.7	122.5	117.0	110.9	105.4	99.1	94.6	88.1
27.5°	169.5	164.0	157.7	150.6	145.3	137.0	129.0	122.2	114.7	107.9	100.4
30°	202.5	194.5	188.0	181.0	170.6	162.6	153.3	143.9	133.8	126.8	115.5
32.5°	242.2	233.6	223.7	213.8	204.1	192.8	181.3	169.7	158.5	145.8	134.3
35°	290.6	280.4	269.1	258.3	243.5	231.4	216.8	200.8	188.2	173.7	159.1
37.5°	354.7	337.9	328.0	316.7	296.7	280.1	263.9	248.0	225.6	210.3	189.6
40°	435.0	425.2	408.9	390.8	372.5	350.9	328.8	307.7	281.8	260.3	236.4
42.5°	529.4	514.8	498.3	472.2	453.8	428.2	403.1	375.0	343.4	315.9	287.9
45°	618.0	600.7	588.1	561.9	542.7	512.3	482.1	452.4	415.8	380.3	347.8
47.5°	713.8	699.5	678.5	657.4	637.8	603.7	571.0	534.9	496.4	454.3	412.2
50°	798.0	786.7	772.4	746.8	725.1	696.5	657.9	618.5	569.8	528.1	480.2
52.5°	869.5	860.7	840.6	822.5	803.0	776.0	741.6	703.9	651.3	605.4	550.9
55°	954.0	947.7	930.1	918.9	901.5	875.6	843.4	808.5	752.8	702.8	641.1
57.5°	1092.4	1087.5	1072.1	1067.4	1050.4	1027.8	988.2	950.8	885.8	823.6	753.2
60°	1321.7	1311.7	1289.2	1277.6	1241.6	1211.3	1159.9	1108.4	1029.9	950.8	866.0
62.5°	1567.2	1539.4	1496.4	1459.5	1408.4	1355.8	1286.9	1208.3	1116.4	1022.3	924.9
65°	1699.5	1652.1	1597.9	1539.4	1473.1	1395.6	1309.0	1214.6	1115.9	1016.5	913.6
66°	1714.6	1661.2	1603.7	1538.5	1464.8	1382.5	1294.4	1195.3	1092.7	995.9	893.0
67.5°	1695.6	1639.8	1579.0	1506.6	1426.7	1341.5	1249.0	1146.1	1047.4	949.1	848.9
70°	1562.7	1507.2	1453.0	1376.7	1291.7	1205.8	1118.3	1003.3	909.7	819.5	730.4
72.5°	1247.9	1210.3	1156.6	1091.3	1008.5	907.8	834.9	731.9	650.8	563.3	494.2
75°	779.9	726.7	660.4	577.3	514.0	432.3	389.6	311.5	265.3	224.8	185.7
77.5°	398.8	358.9	312.3	265.5	220.7	176.1	136.2	96.3	65.0	45.1	33.6
80°	329.4	294.2	255.6	213.0	173.4	134.6	96.9	66.0	42.1	27.6	21.5
82.5°	272.1	242.4	208.1	168.4	134.0	105.7	73.5	47.9	29.7	19.3	15.1
85°	115.9	105.1	81.1	64.4	48.4	35.8	25.1	16.8	11.8	9.6	8.8
87.5°	5.0	5.5	5.2	4.1	3.0	3.0	2.8	2.2	2.2	2.2	2.2
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	45.1	44.9	44.6	44.6	44.4	44.0	42.4	41.0	39.4	38.2	37.1
5°	47.0	46.7	46.2	45.9	45.4	45.1	41.6	38.5	36.1	34.1	32.7
7.5°	49.0	48.7	47.9	47.0	46.7	46.2	40.4	36.6	33.3	31.1	29.7
10°	51.5	50.7	49.8	48.7	47.9	47.0	39.4	34.4	30.8	28.9	27.6
12.5°	55.0	53.7	52.3	50.9	49.8	48.4	38.8	32.4	28.9	26.7	25.3
15°	59.2	57.2	55.5	53.9	52.0	50.7	37.7	30.8	27.3	25.1	23.4
17.5°	63.0	60.8	58.3	55.9	53.9	52.0	36.6	29.1	25.6	23.4	21.8
20°	68.5	65.2	62.2	59.2	56.4	53.9	34.9	27.6	24.2	21.8	20.1
22.5°	74.6	70.7	66.8	62.7	59.2	55.9	33.6	26.1	22.8	20.4	18.4
25°	82.3	77.6	72.3	67.2	63.0	58.7	32.2	24.8	21.5	19.0	17.1
27.5°	93.1	86.4	80.6	74.0	67.7	62.7	31.1	23.6	20.1	17.6	15.6
30°	107.6	97.9	88.9	81.8	74.3	67.2	29.9	22.3	19.0	16.3	14.0
32.5°	123.8	112.5	102.1	91.4	82.0	73.8	28.9	21.1	17.6	14.8	13.0
35°	143.9	129.6	115.5	103.2	91.9	80.9	27.8	20.1	16.5	13.5	11.6
37.5°	172.8	154.9	136.5	120.5	105.9	91.4	26.9	19.0	15.1	12.1	10.2
40°	212.4	189.3	166.7	145.0	126.0	107.9	25.9	17.9	14.0	11.0	9.1
42.5°	255.3	227.3	197.6	173.1	146.9	124.1	24.8	16.8	13.0	9.9	8.0
45°	308.7	273.8	237.7	204.5	172.5	143.1	23.6	15.6	11.6	8.8	6.8
47.5°	367.0	322.5	281.8	240.0	202.0	166.7	22.3	14.8	10.5	7.7	6.0
50°	427.0	380.0	328.6	280.9	235.9	190.5	20.9	13.5	9.3	6.8	5.0
52.5°	491.7	436.2	383.6	324.5	271.9	221.6	19.6	12.3	8.5	6.0	4.1
55°	574.0	511.8	450.2	383.8	320.6	257.5	18.1	11.0	7.5	5.2	3.3
57.5°	677.5	603.7	528.1	453.3	376.5	304.9	17.1	9.6	6.3	4.4	2.8
60°	775.1	689.0	597.4	511.3	424.6	341.2	15.4	8.5	5.5	3.6	2.8
62.5°	825.8	727.6	628.8	533.9	441.3	354.2	13.8	7.2	4.7	3.0	2.5
65°	813.4	713.3	617.5	521.8	431.2	345.9	12.1	6.3	4.1	2.8	2.5
66°	795.5	696.5	600.2	509.1	422.7	337.1	11.3	6.0	3.8	2.8	2.2
67.5°	756.5	660.7	568.8	484.0	399.3	320.3	10.2	5.5	3.6	2.5	2.2
70°	646.1	559.2	485.7	410.3	341.2	269.9	8.3	4.7	3.0	2.2	2.2
72.5°	427.7	368.5	319.5	274.9	229.7	178.3	6.8	3.8	2.5	2.2	2.0
75°	161.2	145.8	125.2	112.5	98.2	86.1	5.5	2.5	2.0	2.0	2.0
77.5°	28.6	26.4	23.4	21.5	19.8	18.1	4.4	1.7	1.7	2.0	2.0
80°	19.3	17.9	16.3	14.8	13.8	12.3	3.0	1.3	1.7	1.7	2.0
82.5°	13.8	13.0	12.1	11.0	10.2	9.1	2.0	1.3	1.7	1.7	1.7
85°	8.3	7.7	7.2	6.6	5.8	5.5	1.3	1.3	1.3	1.7	1.7
87.5°	2.2	2.0	2.2	2.2	1.7	2.0	1.1	1.1	1.1	1.3	1.3
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):

	145°	155°	165°	175°	180°
0°	43.2	43.2	43.2	43.2	43.2
2.5°	36.6	36.6	36.1	36.9	36.9
5°	31.6	31.6	31.4	31.6	31.6
7.5°	28.9	28.6	28.6	28.6	28.9
10°	26.4	26.1	26.1	26.1	26.1
12.5°	24.2	23.9	23.6	23.9	23.9
15°	22.3	21.8	21.8	21.8	21.8
17.5°	20.6	20.1	19.8	19.8	19.8
20°	19.0	18.1	18.1	18.1	18.1
22.5°	17.3	16.5	16.5	16.5	16.5
25°	15.6	14.8	14.8	14.8	14.8
27.5°	14.3	13.5	13.5	13.5	13.5
30°	12.6	12.1	12.1	12.3	12.1
32.5°	11.6	10.8	10.8	11.0	11.0
35°	10.2	9.6	9.6	9.6	9.6
37.5°	8.8	8.3	8.3	8.3	8.3
40°	7.7	7.2	6.8	7.2	7.2
42.5°	6.6	6.0	5.8	5.8	5.8
45°	5.8	5.0	4.7	5.0	5.0
47.5°	4.7	4.1	4.1	4.4	4.4
50°	3.6	3.6	3.8	4.4	4.4
52.5°	3.3	3.3	3.8	4.4	4.4
55°	3.0	3.3	3.8	4.1	4.4
57.5°	2.8	3.3	3.8	4.1	4.1
60°	2.8	3.0	3.6	4.1	4.1
62.5°	2.5	2.8	3.3	3.8	3.8
65°	2.5	2.8	3.3	3.8	3.8
66°	2.5	2.8	3.3	3.8	3.8
67.5°	2.5	2.8	3.3	3.8	3.8
70°	2.5	2.8	3.3	3.6	3.6
72.5°	2.2	2.5	3.0	3.6	3.6
75°	2.2	2.5	3.0	3.6	3.6
77.5°	2.2	2.5	3.0	3.6	3.6
80°	2.2	2.5	3.0	3.3	3.6
82.5°	2.0	2.5	2.8	3.3	3.3
85°	2.0	2.2	2.8	3.0	3.3
87.5°	1.7	2.0	2.2	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)