

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: P150434

Luminaire Tested: **VXS-F01-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150434
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-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1307.3 lumens
Efficiency: N/A
Efficacy: 50.5 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



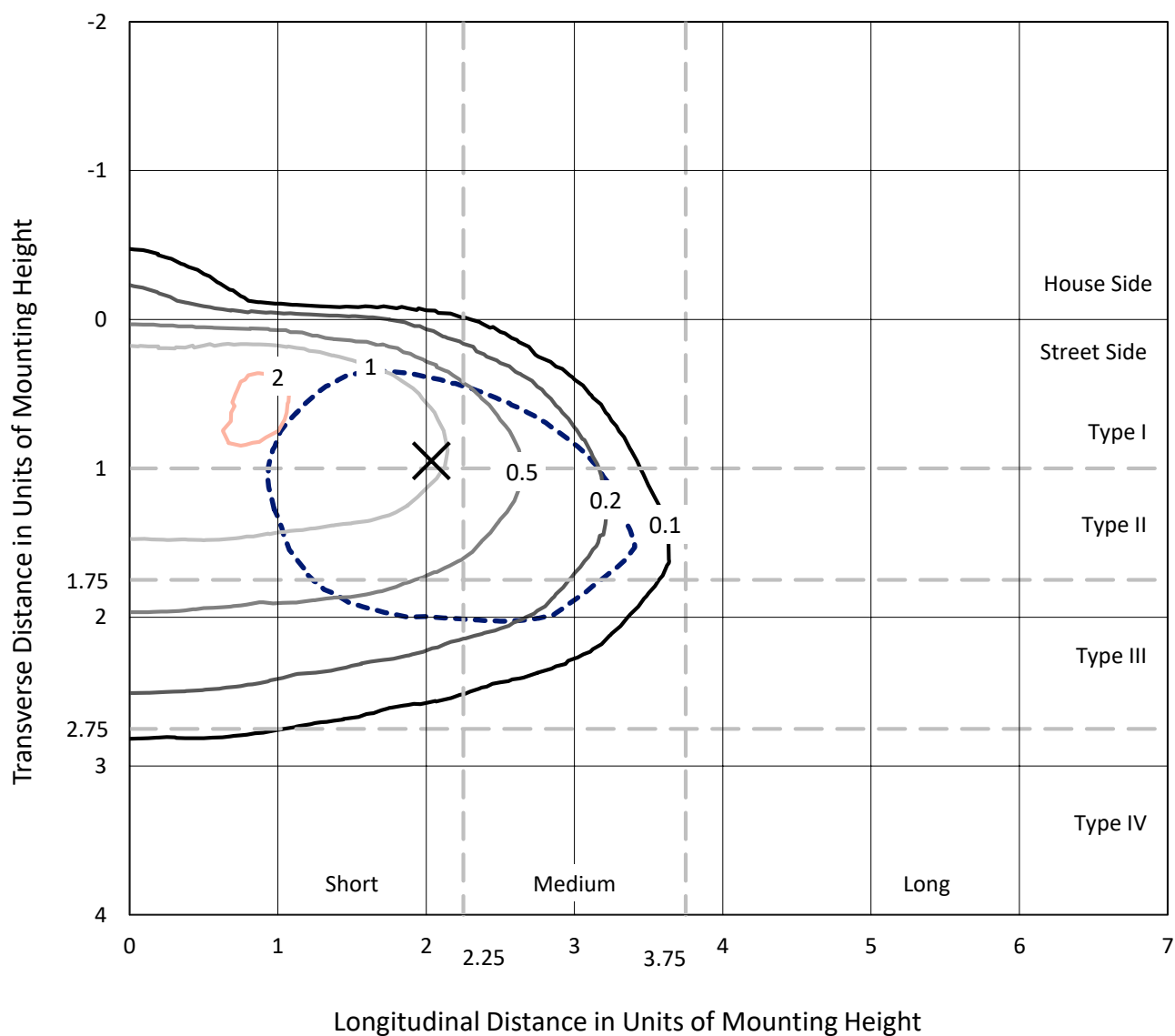
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

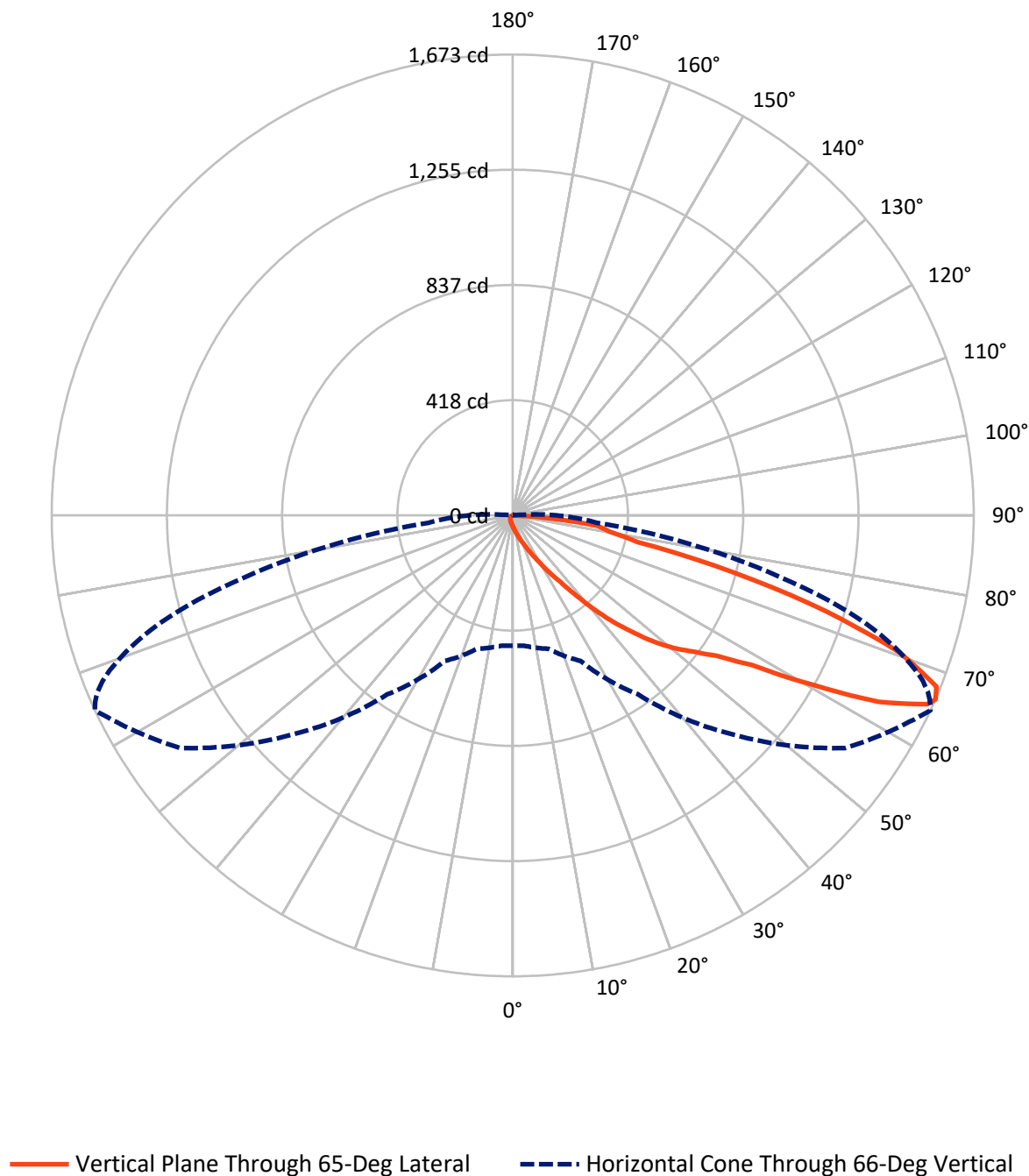


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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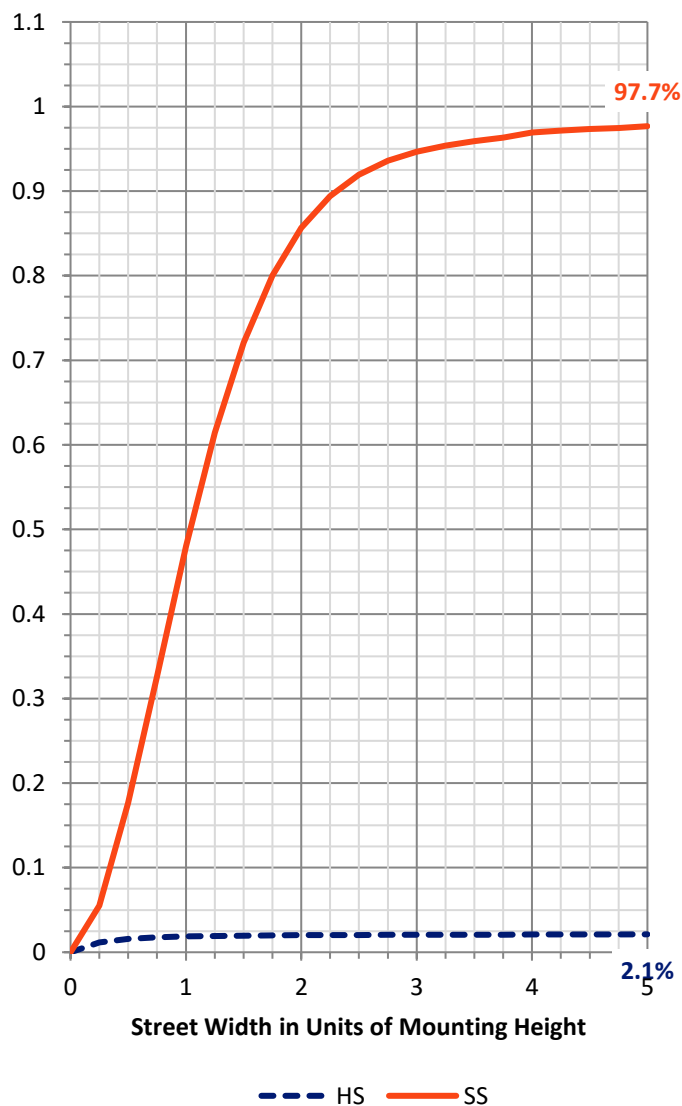
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.3	0.0	28.3
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1279.0	0.0	1279.0
	% Fixture	97.8	0.0	97.8
Total	Lumens	1307.3	0.0	1307.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.3
10°-20°	18.7	1.4
20°-30°	40.4	3.1
30°-40°	86.3	6.6
40°-50°	190.8	14.6
50°-60°	323.3	24.7
60°-70°	431.4	33.0
70°-80°	190.1	14.5
80°-90°	21.9	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°	1307.3	100.0
0°-180°	1307.3	100.0

Coefficient of Utilization



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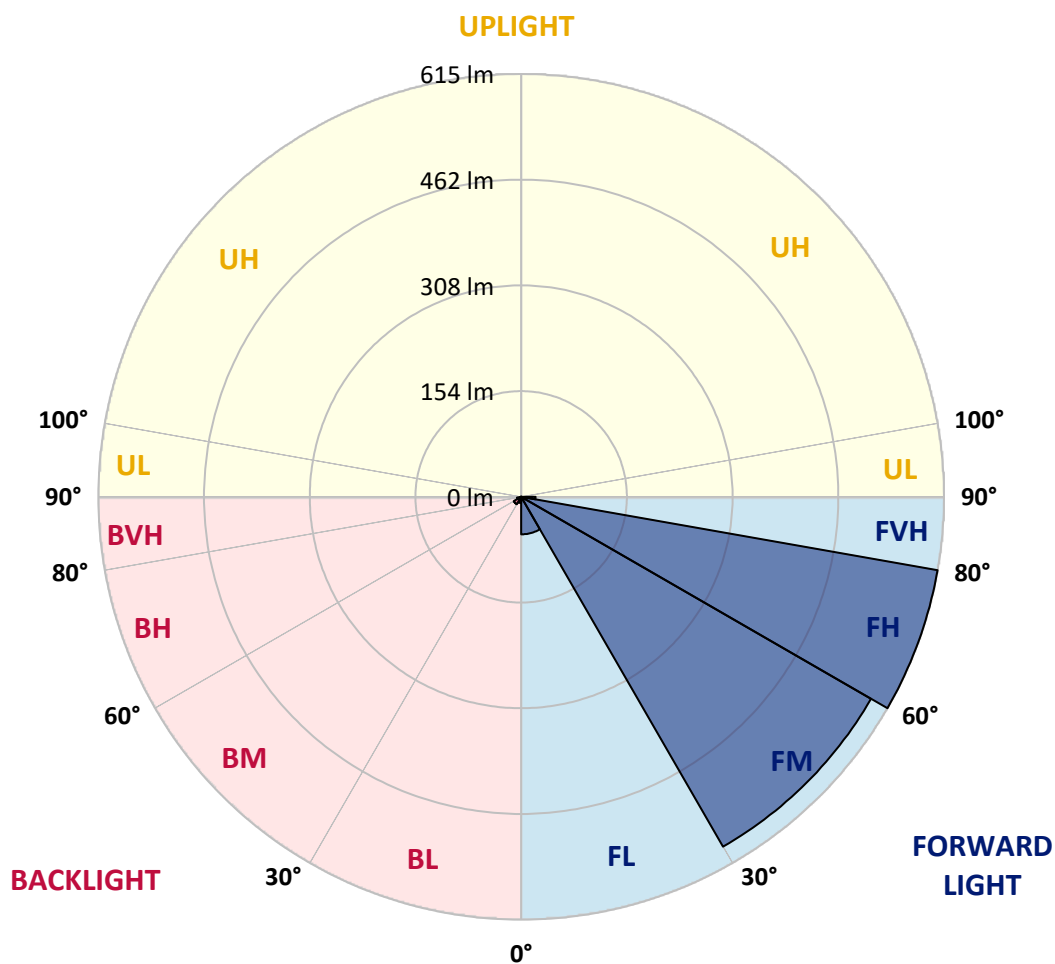
CATALOG NUMBER: VXS-F01-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.6	4.2			
FM	(30°-60°)	587.9	45.0			
FH	(60°-80°)	615.4	47.1			G0/660
FVH	(80°-90°)	21.0	1.6			G1/100
BL	(0°-30°)	8.9	0.7	B0/110		
BM	(30°-60°)	12.4	1.0	B0/220		
BH	(60°-80°)	6.1	0.5	B0/110		G0/110
BVH	(80°-90°)	0.9	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°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
2.5°	49.7	49.5	48.5	48.5	47.0	46.0	44.8	43.5	43.5	43.2	43.0
5°	65.8	64.4	64.0	61.3	59.1	55.8	52.7	48.8	48.3	47.8	47.5
7.5°	83.7	83.4	81.1	77.9	73.4	67.4	61.3	54.8	53.8	53.3	52.2
10°	106.8	105.6	102.6	97.0	90.3	82.2	72.3	62.1	60.8	59.8	59.3
12.5°	128.9	126.6	124.9	117.8	109.3	97.5	85.7	70.9	69.8	68.6	66.6
15°	149.5	147.6	144.6	138.4	128.9	114.1	100.3	82.2	79.7	77.9	76.4
17.5°	165.6	164.4	160.8	154.1	143.7	130.7	114.1	93.8	91.7	89.4	86.7
20°	180.9	179.2	173.7	164.4	153.3	143.2	130.5	108.8	106.0	103.3	100.3
22.5°	195.5	193.8	184.8	169.4	157.6	153.3	148.8	125.9	121.7	119.4	116.4
25°	215.9	212.1	198.0	173.7	157.8	161.1	168.9	148.1	144.0	140.7	136.0
27.5°	243.3	238.2	216.2	180.0	158.9	169.6	192.0	174.9	170.7	166.8	161.6
30°	274.2	271.0	244.6	195.0	166.1	182.2	217.9	209.1	204.0	199.6	193.3
32.5°	305.4	300.8	274.7	223.7	185.7	206.6	250.4	248.8	242.3	238.0	231.2
35°	332.7	330.5	311.2	270.7	230.5	249.3	293.6	295.3	289.5	285.0	277.5
37.5°	351.4	351.4	347.6	321.2	301.6	315.6	357.1	357.4	351.6	341.3	337.5
40°	360.9	363.6	377.2	382.3	381.2	399.4	440.6	436.1	431.3	426.0	413.5
42.5°	380.5	383.0	411.9	446.6	469.2	493.2	521.6	520.0	514.2	504.7	493.2
45°	413.7	417.0	451.4	506.4	553.0	586.8	605.0	597.9	592.1	583.1	577.1
47.5°	456.0	462.2	501.1	569.2	625.3	681.3	700.2	681.7	676.6	669.5	659.8
50°	500.9	506.9	548.4	626.3	689.6	756.5	787.9	756.5	749.2	746.9	735.9
52.5°	539.9	544.9	584.9	670.3	739.0	817.3	863.1	821.6	816.4	808.8	800.7
55°	563.0	567.0	604.5	691.4	772.3	872.1	935.8	899.3	891.5	888.5	876.9
57.5°	570.8	574.8	608.5	694.2	790.5	922.2	1023.9	1025.2	1015.9	1005.1	1001.6
60°	570.8	575.3	603.7	687.4	808.0	975.4	1141.6	1246.3	1226.2	1224.2	1211.4
62.5°	547.2	551.4	580.1	666.5	831.6	1047.3	1305.4	1490.4	1484.7	1471.5	1450.5
65°	495.9	498.3	526.5	613.3	822.6	1113.4	1447.5	1652.7	1643.4	1617.8	1590.7
66°	472.7	474.7	501.1	582.8	793.0	1122.5	1472.5	1673.2	1657.8	1636.2	1605.5
67.5°	439.4	442.8	461.5	526.3	721.9	1091.0	1456.7	1658.8	1645.5	1619.4	1588.7
70°	293.3	290.8	356.4	403.9	549.9	888.9	1306.9	1489.4	1489.6	1477.3	1465.0
72.5°	139.3	140.7	159.9	248.6	359.9	593.9	1040.3	1188.8	1205.9	1183.7	1168.4
75°	100.0	102.3	113.9	152.0	214.6	356.4	674.3	831.4	831.9	792.7	757.7
77.5°	29.1	30.4	42.7	93.8	160.8	240.5	387.3	462.2	451.4	423.2	396.9
80°	12.0	12.0	12.5	29.9	64.6	163.3	271.0	355.9	354.6	343.8	328.3
82.5°	4.6	4.8	6.0	12.3	15.3	40.2	180.7	308.9	308.1	292.8	281.8
85°	0.5	0.5	1.6	5.3	5.8	7.6	36.2	136.3	135.4	136.3	119.4
87.5°	0.0	0.0	0.2	0.5	0.7	1.0	1.6	5.3	5.8	5.5	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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
2.5°	43.0	42.5	42.5	42.2	42.2	42.2	42.0	41.8	41.8	41.5	41.2
5°	47.0	46.5	46.2	45.7	45.5	45.3	44.8	44.5	43.9	43.7	43.5
7.5°	51.8	50.8	50.5	49.7	49.0	48.5	48.0	47.3	46.7	45.7	45.5
10°	57.8	56.6	55.5	54.5	53.8	52.5	51.8	50.8	49.7	49.0	48.3
12.5°	65.6	63.8	62.3	61.3	59.6	58.0	56.6	55.8	53.8	52.7	51.5
15°	74.1	72.1	70.4	68.4	67.2	64.6	62.6	60.3	59.3	57.5	55.5
17.5°	85.2	82.0	79.2	77.2	74.6	72.1	69.8	67.6	64.6	62.6	60.1
20°	97.0	94.3	90.5	86.9	83.9	80.9	77.6	74.6	71.9	68.6	65.6
22.5°	112.1	108.1	103.5	100.0	96.0	92.7	88.2	84.1	79.7	75.4	71.9
25°	131.2	125.9	121.7	116.6	111.8	106.8	101.2	96.3	90.5	86.4	80.4
27.5°	154.8	149.8	144.0	137.5	132.7	125.2	117.8	111.6	104.8	98.5	91.7
30°	185.0	177.7	171.7	165.4	155.9	148.5	140.0	131.4	122.2	115.9	105.6
32.5°	221.1	213.4	204.4	195.2	186.5	176.2	165.6	155.0	144.8	133.2	122.7
35°	265.4	256.1	245.8	236.0	222.4	211.4	198.0	183.5	171.9	158.5	145.3
37.5°	323.9	308.6	299.6	289.3	271.0	255.9	241.0	226.4	206.1	192.0	173.2
40°	397.3	388.3	373.5	356.9	340.3	320.4	300.3	281.0	257.4	237.7	215.9
42.5°	483.5	470.3	455.1	431.3	414.4	391.1	368.2	342.6	313.7	288.5	262.9
45°	564.5	548.7	537.1	513.3	495.6	468.0	440.3	413.2	379.8	347.4	317.7
47.5°	651.9	638.9	619.8	600.4	582.6	551.4	521.6	488.6	453.4	414.9	376.5
50°	728.9	718.5	705.5	682.1	662.3	636.2	600.9	565.0	520.5	482.3	438.5
52.5°	794.2	786.1	767.8	751.2	733.4	708.7	677.3	642.9	594.9	553.0	503.2
55°	871.4	865.6	849.5	839.2	823.3	799.7	770.4	738.4	687.7	641.9	585.6
57.5°	997.8	993.3	979.2	974.9	959.4	938.8	902.5	868.4	809.0	752.2	687.9
60°	1207.2	1198.1	1177.5	1166.9	1134.0	1106.3	1059.4	1012.3	940.7	868.4	791.0
62.5°	1431.3	1405.9	1366.7	1333.1	1286.3	1238.3	1175.4	1103.6	1019.7	933.7	844.8
65°	1552.2	1509.0	1459.5	1405.9	1345.4	1274.7	1195.5	1109.3	1019.2	928.4	834.4
66°	1566.0	1517.3	1464.8	1405.2	1337.8	1262.7	1182.3	1091.8	998.0	909.5	815.5
67.5°	1548.7	1497.7	1442.2	1376.1	1303.1	1225.3	1140.8	1046.8	956.6	866.8	775.3
70°	1427.4	1376.6	1327.0	1257.4	1179.8	1101.3	1021.5	916.4	830.9	748.5	667.0
72.5°	1139.8	1105.4	1056.4	996.8	921.1	829.1	762.5	668.5	594.4	514.5	451.4
75°	712.2	663.7	603.2	527.3	469.5	394.8	355.9	284.5	242.3	205.4	169.6
77.5°	364.1	327.8	285.3	242.5	201.6	160.8	124.5	88.0	59.3	41.2	30.7
80°	300.8	268.7	233.5	194.5	158.3	122.9	88.5	60.3	38.4	25.2	19.6
82.5°	248.6	221.5	190.1	153.8	122.4	96.5	67.2	43.7	27.2	17.6	13.8
85°	105.8	96.0	74.1	58.9	44.2	32.6	22.9	15.3	10.8	8.8	8.1
87.5°	4.6	5.1	4.8	3.7	2.8	2.8	2.5	2.0	2.0	2.0	2.0
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°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
2.5°	41.2	40.9	40.7	40.7	40.4	40.2	38.8	37.4	36.0	34.9	33.9
5°	43.0	42.7	42.2	42.0	41.5	41.2	37.9	35.2	33.0	31.2	29.9
7.5°	44.8	44.5	43.7	43.0	42.7	42.2	37.0	33.5	30.4	28.4	27.2
10°	47.0	46.2	45.5	44.5	43.7	43.0	36.0	31.4	28.2	26.4	25.2
12.5°	50.3	49.0	47.8	46.5	45.5	44.2	35.4	29.6	26.4	24.4	23.1
15°	54.0	52.2	50.8	49.2	47.5	46.2	34.4	28.2	24.9	22.9	21.3
17.5°	57.5	55.5	53.3	51.0	49.2	47.5	33.5	26.6	23.4	21.3	19.9
20°	62.6	59.6	56.8	54.0	51.5	49.2	31.9	25.2	22.1	19.9	18.3
22.5°	68.1	64.6	61.0	57.3	54.0	51.0	30.7	23.8	20.8	18.5	16.8
25°	75.1	70.9	66.1	61.3	57.5	53.6	29.4	22.6	19.6	17.3	15.5
27.5°	85.0	79.0	73.7	67.6	61.9	57.3	28.4	21.7	18.3	16.1	14.3
30°	98.2	89.4	81.1	74.6	67.9	61.3	27.4	20.3	17.3	14.8	12.8
32.5°	113.1	102.8	93.3	83.4	74.9	67.4	26.4	19.4	16.1	13.6	11.8
35°	131.4	118.3	105.6	94.3	83.9	73.9	25.4	18.3	15.1	12.3	10.6
37.5°	157.8	141.5	124.7	110.1	96.8	83.4	24.7	17.3	13.8	11.1	9.3
40°	194.0	173.0	152.3	132.4	115.1	98.5	23.6	16.4	12.8	10.1	8.3
42.5°	233.3	207.6	180.4	158.1	134.2	113.4	22.6	15.3	11.8	9.0	7.3
45°	282.0	250.1	217.1	186.7	157.6	130.7	21.7	14.3	10.6	8.1	6.3
47.5°	335.2	294.6	257.4	219.2	184.5	152.3	20.3	13.6	9.5	7.0	5.5
50°	390.1	347.0	300.1	256.6	215.4	173.9	19.1	12.3	8.5	6.3	4.6
52.5°	449.1	398.3	350.4	296.3	248.3	202.3	17.8	11.3	7.8	5.5	3.7
55°	524.2	467.5	411.2	350.6	292.8	235.2	16.6	10.1	6.7	4.8	3.0
57.5°	618.8	551.4	482.3	414.0	343.8	278.4	15.5	8.8	5.8	4.0	2.5
60°	708.0	629.3	545.6	466.9	387.8	311.6	14.1	7.8	5.1	3.3	2.5
62.5°	754.2	664.6	574.3	487.6	403.1	323.4	12.5	6.5	4.2	2.8	2.3
65°	742.9	651.4	563.9	476.5	393.9	316.0	11.1	5.8	3.7	2.5	2.3
66°	726.6	636.2	548.2	465.0	386.0	307.9	10.3	5.5	3.5	2.5	2.0
67.5°	690.9	603.4	519.5	442.1	364.7	292.5	9.3	5.1	3.3	2.3	2.0
70°	590.2	510.7	443.6	374.7	311.6	246.5	7.6	4.2	2.8	2.0	2.0
72.5°	390.6	336.6	291.8	251.1	209.8	162.9	6.3	3.5	2.3	2.0	1.8
75°	147.3	133.2	114.4	102.8	89.7	78.7	5.1	2.3	1.8	1.8	1.8
77.5°	26.1	24.1	21.3	19.6	18.1	16.6	4.0	1.6	1.6	1.8	1.8
80°	17.6	16.4	14.8	13.6	12.5	11.3	2.8	1.2	1.6	1.6	1.8
82.5°	12.5	11.8	11.1	10.1	9.3	8.3	1.8	1.2	1.6	1.6	1.6
85°	7.6	7.0	6.5	6.0	5.3	5.1	1.2	1.2	1.2	1.6	1.6
87.5°	2.0	1.8	2.0	2.0	1.6	1.8	1.0	1.0	1.0	1.2	1.2
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):

	145°	155°	165°	175°	180°
0°	39.5	39.5	39.5	39.5	39.5
2.5°	33.5	33.5	33.0	33.7	33.7
5°	28.9	28.9	28.6	28.9	28.9
7.5°	26.4	26.1	26.1	26.1	26.4
10°	24.1	23.8	23.8	23.8	23.8
12.5°	22.1	21.9	21.7	21.9	21.9
15°	20.3	19.9	19.9	19.9	19.9
17.5°	18.9	18.3	18.1	18.1	18.1
20°	17.3	16.6	16.6	16.6	16.6
22.5°	15.9	15.1	15.1	15.1	15.1
25°	14.3	13.6	13.6	13.6	13.6
27.5°	13.1	12.3	12.3	12.3	12.3
30°	11.6	11.1	11.1	11.3	11.1
32.5°	10.6	9.8	9.8	10.1	10.1
35°	9.3	8.8	8.8	8.8	8.8
37.5°	8.1	7.6	7.6	7.6	7.6
40°	7.0	6.5	6.3	6.5	6.5
42.5°	6.0	5.5	5.3	5.3	5.3
45°	5.3	4.6	4.2	4.6	4.6
47.5°	4.2	3.7	3.7	4.0	4.0
50°	3.3	3.3	3.5	4.0	4.0
52.5°	3.0	3.0	3.5	4.0	4.0
55°	2.8	3.0	3.5	3.7	4.0
57.5°	2.5	3.0	3.5	3.7	3.7
60°	2.5	2.8	3.3	3.7	3.7
62.5°	2.3	2.5	3.0	3.5	3.5
65°	2.3	2.5	3.0	3.5	3.5
66°	2.3	2.5	3.0	3.5	3.5
67.5°	2.3	2.5	3.0	3.5	3.5
70°	2.3	2.5	3.0	3.3	3.3
72.5°	2.0	2.3	2.8	3.3	3.3
75°	2.0	2.3	2.8	3.3	3.3
77.5°	2.0	2.3	2.8	3.3	3.3
80°	2.0	2.3	2.8	3.0	3.3
82.5°	1.8	2.3	2.5	3.0	3.0
85°	1.8	2.0	2.5	2.8	3.0
87.5°	1.6	1.8	2.0	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)