

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: P151574

Luminaire Tested: **VXS-F01-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151574
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
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-SL4-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 1534.2 lumens
Efficiency: N/A
Efficacy: 59.2 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): 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

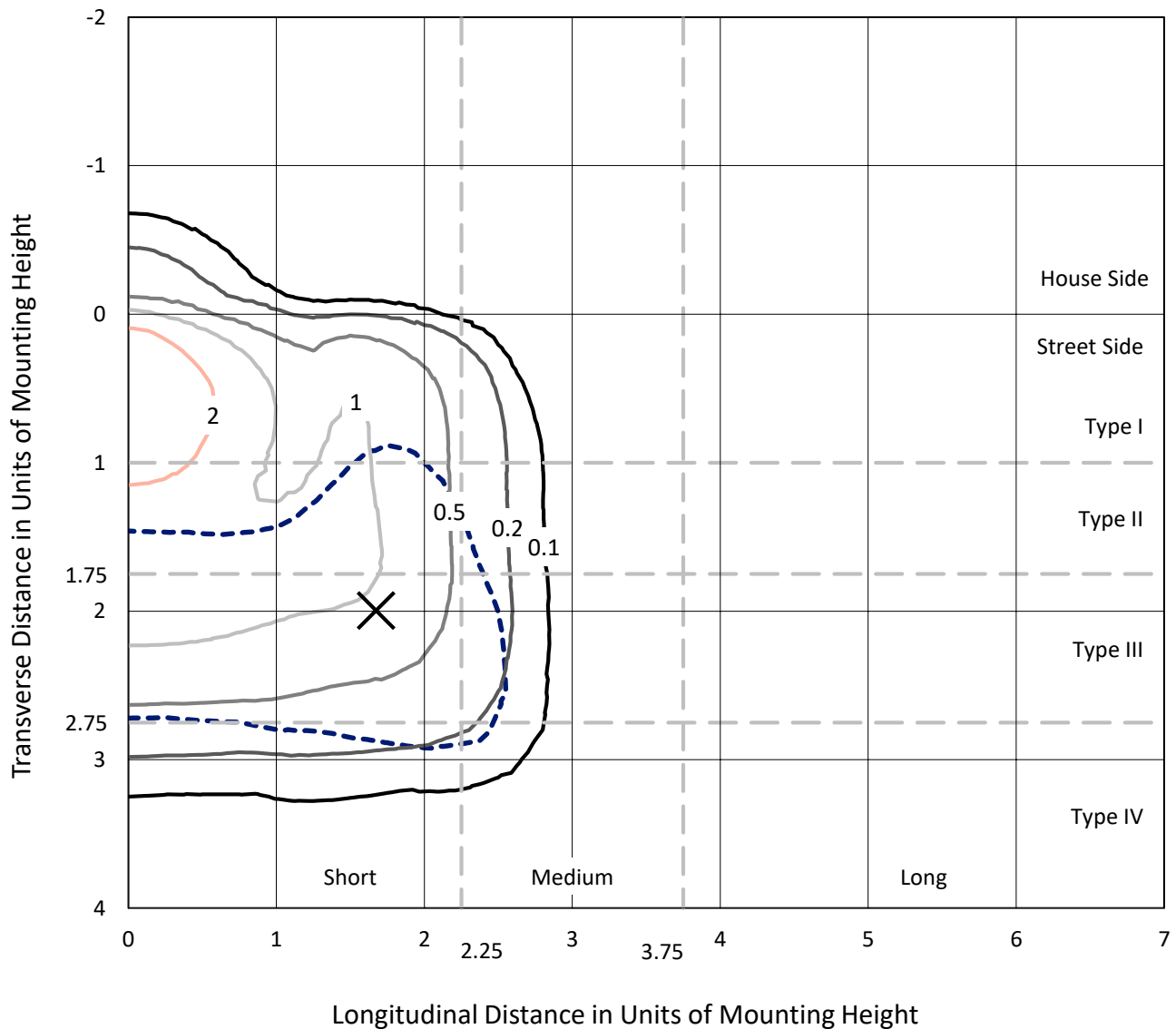


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

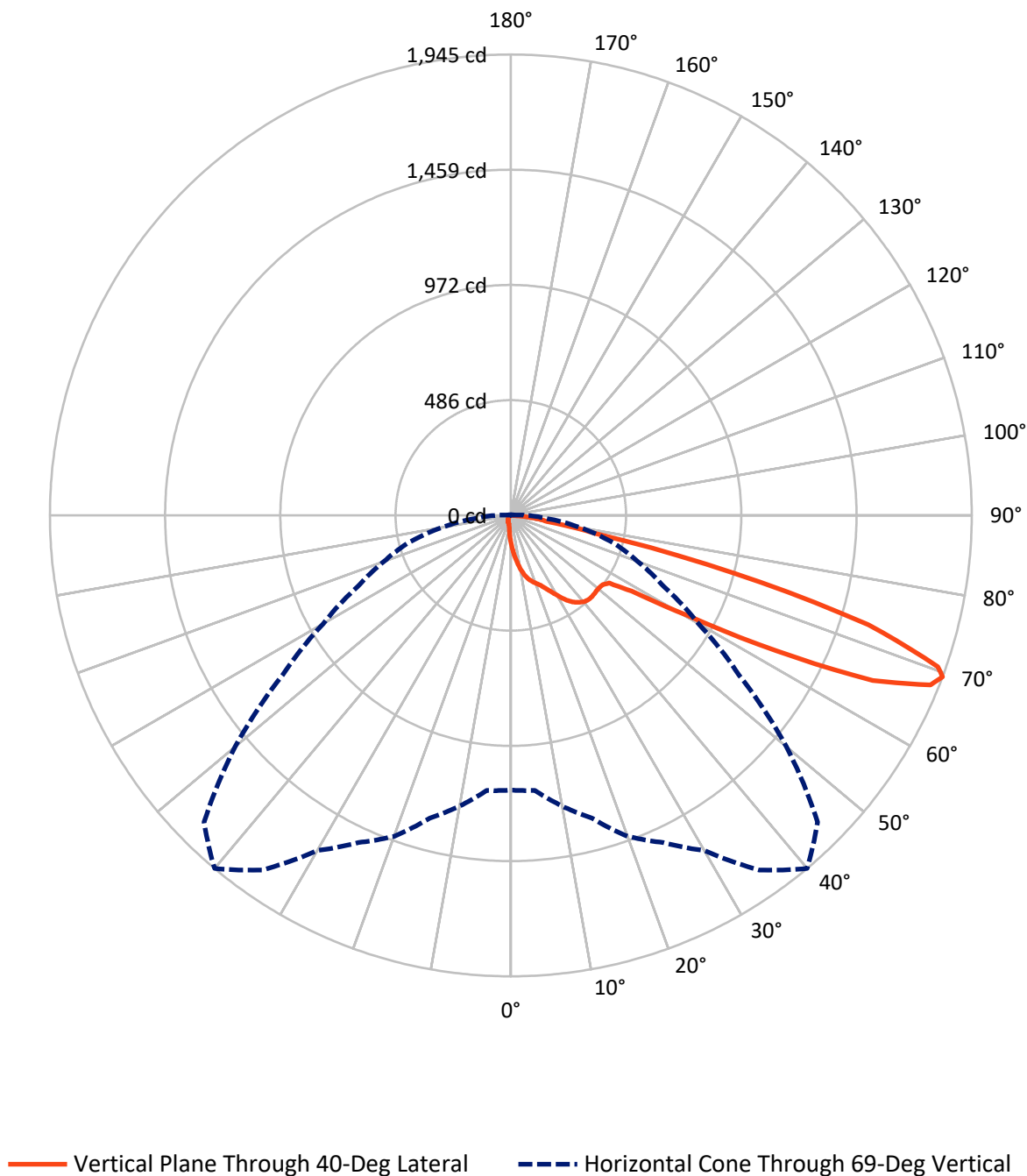


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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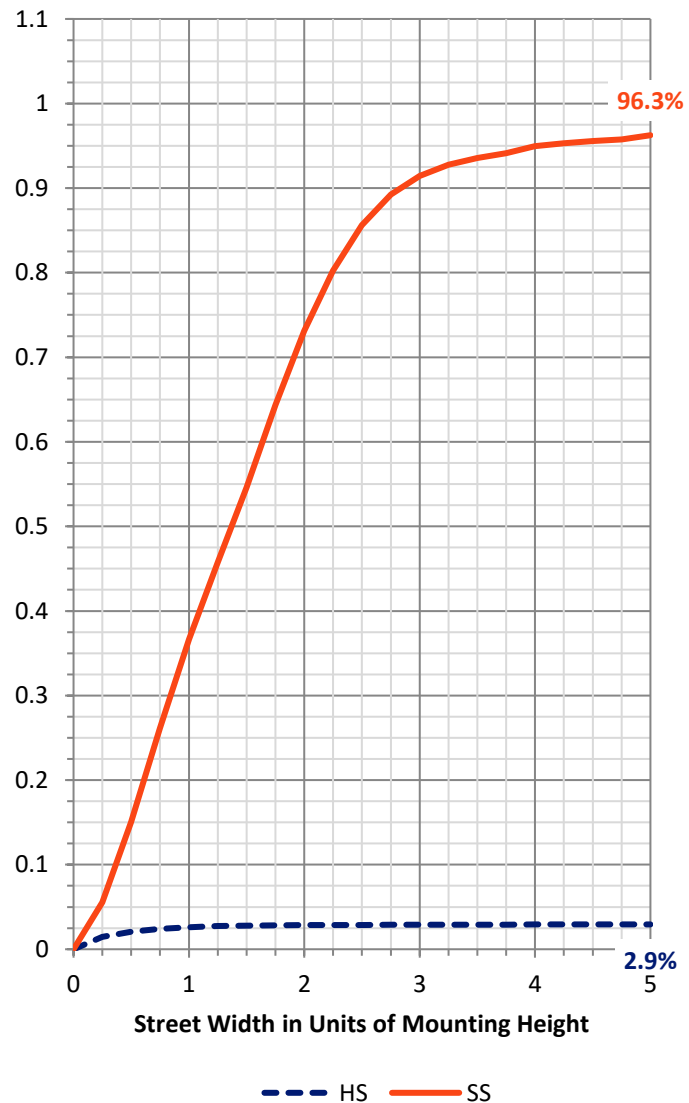
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.7	0.0	45.7
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	1488.5	0.0	1488.5
	% Fixture	97.0	0.0	97.0
Total	Lumens	1534.2	0.0	1534.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.8
10°-20°	41.1	2.7
20°-30°	78.6	5.1
30°-40°	130.7	8.5
40°-50°	176.8	11.5
50°-60°	276.6	18.0
60°-70°	568.6	37.1
70°-80°	228.8	14.9
80°-90°	21.2	1.4
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°	1534.2	100.0
0°-180°	1534.2	100.0

Coefficient of Utilization



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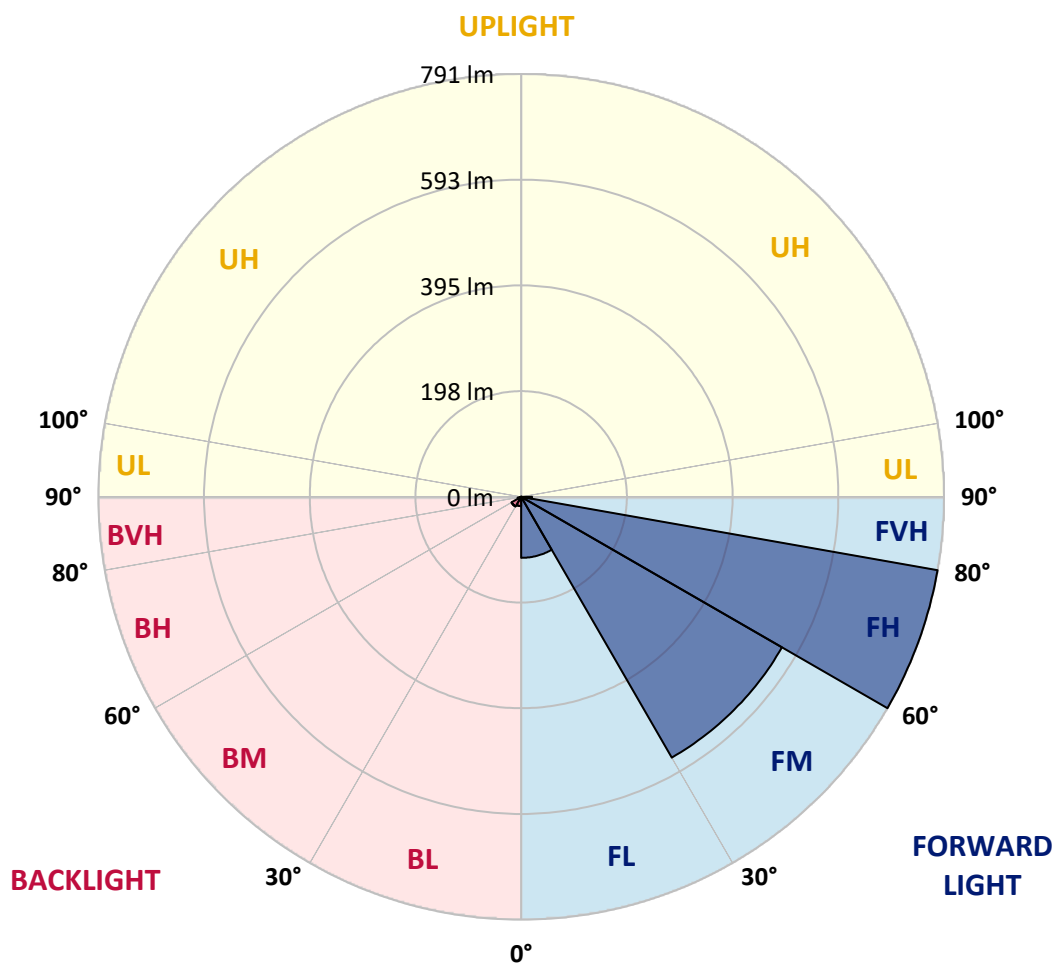
CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.2	7.4			
FM	(30°-60°)	563.2	36.7			
FH	(60°-80°)	790.7	51.5			G1/1800
FVH	(80°-90°)	20.4	1.3			G1/100
BL	(0°-30°)	17.4	1.1	B0/110		
BM	(30°-60°)	20.9	1.4	B0/220		
BH	(60°-80°)	6.7	0.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
2.5°	154.6	152.8	150.8	150.8	148.3	148.3	146.7	142.8	142.3	140.0	137.7
5°	197.3	195.8	193.3	191.0	189.0	185.5	183.0	178.2	173.0	167.9	163.3
7.5°	239.1	238.2	233.8	233.0	229.7	223.9	218.9	211.9	202.8	195.8	187.5
10°	277.7	276.0	274.9	270.7	265.9	259.6	251.8	243.3	232.7	221.7	209.8
12.5°	308.4	307.4	302.9	301.1	296.1	289.7	280.0	268.9	258.3	244.0	230.3
15°	331.3	329.5	326.5	323.7	317.7	312.1	303.1	291.1	278.2	262.6	246.0
17.5°	350.4	347.0	346.3	342.1	335.8	329.2	319.2	308.1	293.1	277.5	259.4
20°	376.0	371.5	369.9	363.6	356.4	347.4	335.8	322.0	306.1	289.0	270.5
22.5°	406.1	402.9	399.6	394.1	384.8	372.0	355.1	340.0	319.9	301.1	281.0
25°	448.9	446.1	440.8	433.3	421.8	406.4	386.0	363.9	340.3	316.2	292.5
27.5°	490.4	487.9	484.0	478.2	465.2	448.4	423.2	395.1	365.2	336.1	309.8
30°	529.3	527.0	523.3	517.5	505.9	489.3	460.9	430.8	393.6	359.7	328.3
32.5°	571.3	570.6	566.2	557.9	547.9	525.5	494.6	462.2	424.5	385.3	348.6
35°	618.8	613.0	609.0	600.7	583.6	559.7	523.5	488.1	448.4	408.2	367.2
37.5°	659.0	653.5	648.4	637.9	617.0	586.6	545.6	506.6	465.7	424.8	383.0
40°	688.4	685.6	679.6	665.8	642.4	606.2	562.0	519.5	478.2	437.1	395.9
42.5°	710.3	706.0	699.2	684.9	657.2	616.1	568.5	524.8	484.0	444.6	404.1
45°	718.3	714.8	708.5	693.0	663.0	618.8	568.3	523.3	484.4	446.8	409.6
47.5°	713.6	710.1	704.5	689.9	660.5	615.5	563.7	519.0	481.8	447.7	414.7
50°	697.7	695.6	691.4	679.1	652.7	609.2	559.7	516.8	481.3	451.4	421.8
52.5°	696.2	694.9	689.6	677.3	650.5	607.3	559.2	518.0	485.6	456.2	426.7
55°	850.8	833.0	793.0	759.1	703.2	636.9	584.6	538.3	503.6	475.0	454.4
57.5°	1209.1	1182.5	1129.9	1065.4	937.2	811.3	710.5	637.6	601.7	588.6	596.4
60°	1377.0	1372.2	1363.9	1333.3	1267.7	1159.4	1038.8	908.3	856.1	851.5	867.4
62.5°	1456.7	1453.7	1456.2	1452.4	1432.1	1400.4	1365.7	1309.4	1257.6	1224.2	1153.4
65°	1493.4	1495.4	1509.7	1521.0	1523.5	1531.8	1557.2	1627.4	1678.7	1592.4	1395.6
67.5°	1400.2	1412.0	1444.9	1486.1	1534.4	1581.1	1656.5	1804.4	1909.6	1808.3	1528.8
69°	1159.2	1164.9	1245.4	1323.0	1440.9	1523.3	1632.6	1826.4	1944.8	1830.5	1518.3
70°	912.5	917.8	1004.0	1109.6	1308.9	1415.0	1558.0	1789.0	1911.9	1801.0	1464.0
72.5°	411.7	404.1	434.5	491.1	707.8	876.2	1126.2	1449.4	1577.3	1442.9	1095.3
75°	287.6	284.2	287.6	287.8	321.5	414.7	523.3	785.7	971.6	838.4	523.3
77.5°	222.7	220.4	218.1	215.6	219.7	246.0	256.6	278.8	361.9	342.3	199.6
80°	176.2	174.2	179.7	177.9	177.9	180.9	179.0	170.7	155.0	143.7	128.7
82.5°	82.0	82.5	82.5	89.4	107.8	125.9	131.7	123.4	109.5	93.3	75.1
85°	7.8	8.8	14.8	22.9	45.5	51.3	51.5	42.7	42.7	33.7	27.2
87.5°	0.0	0.2	0.2	0.2	2.3	6.3	5.3	1.6	0.7	0.7	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
2.5°	133.7	133.0	129.9	126.9	124.1	121.1	118.3	115.6	112.6	110.4	107.6
5°	156.4	150.8	144.6	138.4	132.4	126.2	119.6	113.9	107.8	102.3	97.0
7.5°	179.2	168.4	159.9	149.0	139.3	129.4	120.4	111.1	102.6	94.5	86.9
10°	198.5	185.5	172.1	158.3	144.2	131.2	118.7	107.6	96.3	86.4	77.2
12.5°	214.4	197.8	181.5	164.1	148.3	131.7	116.2	102.8	89.4	78.4	68.9
15°	228.7	209.6	190.1	169.9	149.8	131.0	113.6	97.0	83.4	70.9	60.1
17.5°	240.3	218.4	196.3	173.7	152.0	129.9	110.4	93.0	77.2	64.0	53.6
20°	250.4	227.5	203.6	178.2	153.6	129.6	107.6	88.0	71.6	57.8	47.5
22.5°	259.6	236.8	211.1	183.9	155.9	129.4	105.1	84.1	66.8	53.1	42.7
25°	270.2	246.0	219.2	190.1	159.9	130.5	103.5	81.1	62.6	48.5	39.0
27.5°	282.0	256.6	228.7	197.5	165.1	132.4	103.0	77.9	58.9	44.2	36.0
30°	298.5	269.2	238.2	205.1	169.9	134.7	102.6	75.9	55.0	40.9	33.0
32.5°	313.2	281.5	248.8	212.8	175.1	137.0	102.3	73.2	51.5	37.7	30.7
35°	328.5	292.8	257.8	220.4	179.7	139.5	102.1	71.1	48.3	34.4	28.4
37.5°	341.8	302.4	264.9	226.9	184.8	141.8	102.3	69.3	45.3	31.7	26.4
40°	353.2	312.1	272.7	233.0	190.1	145.3	102.6	67.6	42.2	29.1	24.7
42.5°	363.2	321.5	281.0	239.8	196.1	149.3	104.0	66.1	39.7	26.9	22.9
45°	371.0	329.9	290.1	249.3	205.8	155.9	106.8	65.1	37.2	24.9	21.3
47.5°	379.0	342.6	305.4	264.4	220.2	166.1	111.6	64.9	35.2	23.4	20.1
50°	390.1	355.1	319.0	279.7	233.3	176.7	117.4	65.1	32.6	21.9	18.9
52.5°	398.1	368.0	336.6	306.3	264.4	208.8	139.7	69.6	31.4	20.6	17.3
55°	445.6	440.3	441.0	446.1	413.7	355.3	233.8	100.5	37.0	23.4	17.1
57.5°	628.3	646.9	657.7	657.5	603.9	500.9	313.9	129.2	41.2	27.2	20.3
60°	868.6	854.5	834.7	785.7	714.5	571.8	351.1	139.0	35.6	21.7	18.5
62.5°	1080.9	998.5	925.4	846.0	752.7	596.4	358.7	138.2	31.2	16.4	13.1
65°	1213.5	1065.2	947.0	847.5	737.6	575.8	339.3	126.9	26.4	13.4	10.8
67.5°	1245.1	1029.2	862.1	735.1	616.3	448.1	249.1	95.5	20.6	11.1	9.5
69°	1176.0	914.8	714.3	570.3	448.4	297.3	154.1	60.3	15.9	10.1	8.8
70°	1081.8	795.8	581.9	457.7	332.0	208.8	107.8	42.5	12.8	9.3	8.1
72.5°	696.0	417.9	286.0	199.1	137.0	83.2	42.2	19.1	9.8	7.8	6.5
75°	269.9	154.6	112.1	85.2	66.6	46.2	25.6	12.3	8.3	6.5	5.1
77.5°	133.0	101.8	83.2	57.1	33.2	20.6	13.8	9.5	6.7	4.8	3.3
80°	105.1	69.8	41.8	25.9	19.6	14.8	10.6	7.8	5.1	3.0	2.3
82.5°	53.8	29.4	21.7	17.6	14.6	11.6	8.5	5.5	3.3	2.0	1.8
85°	16.8	12.3	11.1	10.8	10.1	8.3	6.0	3.5	2.0	1.2	1.2
87.5°	1.2	1.8	2.3	1.8	2.0	1.8	2.3	1.6	1.0	1.0	0.7
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°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
2.5°	105.6	102.6	99.8	98.0	94.7	93.5	92.2	91.7	89.4	89.9	88.0
5°	92.2	86.9	82.9	79.0	75.1	72.3	70.2	67.4	65.1	64.0	62.1
7.5°	80.2	73.4	68.1	63.8	59.3	55.8	52.7	50.8	48.8	46.7	45.7
10°	69.6	62.3	56.3	52.0	47.8	44.8	42.5	40.9	39.7	39.0	38.8
12.5°	59.8	52.7	47.3	43.5	40.2	38.8	37.7	37.0	36.7	36.5	36.5
15°	52.2	45.3	40.9	38.2	36.7	36.0	35.6	35.2	34.7	34.4	34.4
17.5°	45.3	40.0	37.0	35.4	34.7	34.2	33.7	33.2	32.6	32.4	32.4
20°	40.4	36.2	34.7	33.7	33.0	32.4	31.7	31.2	30.9	30.7	30.4
22.5°	36.7	33.9	33.0	32.1	31.2	30.4	29.9	29.4	28.9	28.6	28.4
25°	33.9	32.1	31.4	30.4	29.4	28.6	27.9	27.2	26.6	26.4	25.9
27.5°	31.9	30.7	29.6	28.4	27.4	26.6	25.9	25.2	24.7	24.1	23.8
30°	30.2	28.9	27.7	26.6	25.4	24.7	23.6	22.9	22.6	22.1	21.7
32.5°	28.4	27.2	25.9	24.7	23.4	22.4	21.9	20.8	20.3	20.1	19.6
35°	26.4	25.2	23.6	22.6	21.3	20.3	19.6	18.9	18.3	17.8	17.6
37.5°	24.7	23.1	21.7	20.3	19.4	18.3	17.6	16.8	16.4	15.9	15.5
40°	22.6	21.1	19.6	18.3	17.3	16.6	15.9	15.1	14.6	14.3	14.3
42.5°	20.8	19.1	17.6	16.6	15.9	14.8	14.1	13.4	13.1	12.8	13.1
45°	19.1	17.3	16.1	15.1	14.3	13.4	12.5	12.0	11.8	12.0	12.3
47.5°	17.6	15.9	14.6	13.8	13.1	12.3	11.6	11.1	11.1	11.6	12.0
50°	16.1	14.3	13.4	12.8	12.0	11.3	10.3	10.1	10.3	10.8	11.3
52.5°	14.6	12.5	11.8	11.6	10.8	10.1	9.3	9.0	9.3	9.8	9.5
55°	13.1	11.1	10.8	10.6	9.8	8.8	8.1	8.1	8.1	7.8	7.3
57.5°	12.5	9.8	9.5	9.3	8.5	7.6	7.0	6.5	6.3	5.5	5.3
60°	13.1	8.8	8.8	8.3	7.6	6.5	5.8	5.1	4.6	4.0	4.0
62.5°	10.6	8.1	7.8	7.3	6.3	5.3	4.6	3.7	3.5	3.3	3.3
65°	8.5	7.3	6.7	6.0	5.3	4.2	3.5	3.0	2.8	2.8	3.0
67.5°	7.8	6.5	5.8	5.1	4.2	3.3	2.8	2.5	2.5	2.8	2.8
69°	7.3	6.0	5.3	4.6	3.7	3.0	2.5	2.5	2.5	2.5	2.8
70°	6.7	5.8	5.1	4.2	3.3	2.5	2.3	2.3	2.5	2.5	2.8
72.5°	5.3	4.6	4.2	3.5	2.5	2.3	2.0	2.3	2.3	2.5	2.5
75°	4.0	3.3	3.3	2.8	2.0	1.8	1.8	2.0	2.0	2.3	2.3
77.5°	2.8	2.3	2.3	2.0	1.8	1.6	1.6	1.8	2.0	2.0	2.3
80°	2.0	1.8	1.6	1.8	1.6	1.2	1.6	1.8	1.8	2.0	2.0
82.5°	1.6	1.6	1.6	1.6	1.2	1.2	1.6	1.6	1.8	2.0	2.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.8	1.8
87.5°	0.7	0.7	0.7	1.0	1.0	1.2	1.2	1.2	1.2	1.6	1.6
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°	115.9	115.9	115.9	115.9
2.5°	87.5	87.3	86.2	86.4
5°	61.3	59.8	60.8	60.6
7.5°	45.0	44.8	44.5	45.0
10°	38.4	38.4	38.2	38.4
12.5°	36.2	36.2	36.2	36.2
15°	34.4	34.4	34.2	34.2
17.5°	32.4	32.4	32.4	32.1
20°	30.4	30.2	30.2	30.2
22.5°	28.2	27.9	27.9	27.9
25°	25.9	25.6	25.6	25.6
27.5°	23.6	23.4	23.1	23.1
30°	21.3	21.1	20.8	20.8
32.5°	19.1	18.9	18.5	18.5
35°	17.1	17.1	16.8	16.6
37.5°	15.3	15.3	15.3	15.3
40°	14.1	14.3	14.3	14.3
42.5°	13.4	13.6	13.8	14.1
45°	12.8	13.4	13.6	13.6
47.5°	12.5	12.8	13.1	13.1
50°	11.6	11.3	11.3	11.3
52.5°	9.3	8.8	8.5	8.3
55°	6.7	6.5	6.0	6.0
57.5°	4.8	4.8	4.6	4.6
60°	3.7	3.7	3.5	3.7
62.5°	3.3	3.3	3.3	3.3
65°	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0
69°	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8
72.5°	2.5	2.5	2.5	2.5
75°	2.3	2.5	2.5	2.5
77.5°	2.3	2.3	2.3	2.3
80°	2.0	2.0	2.3	2.3
82.5°	2.0	2.0	2.0	2.0
85°	1.8	1.8	2.0	2.0
87.5°	1.6	1.6	1.8	1.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)