

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: P151573

Luminaire Tested: **VXS-F01-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151573
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-8030
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, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1417.7 lumens
Efficiency: N/A
Efficacy: 54.7 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



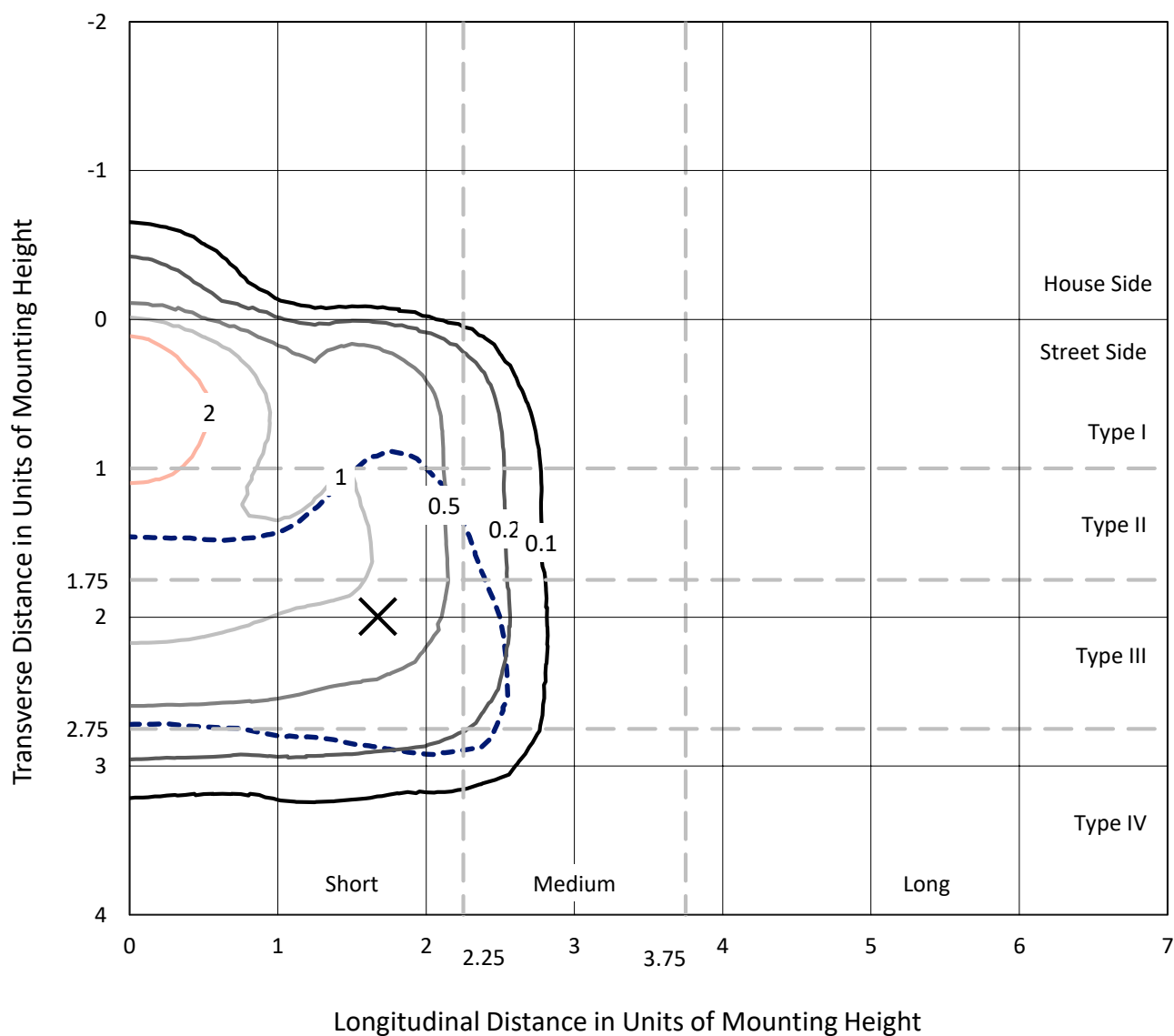
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

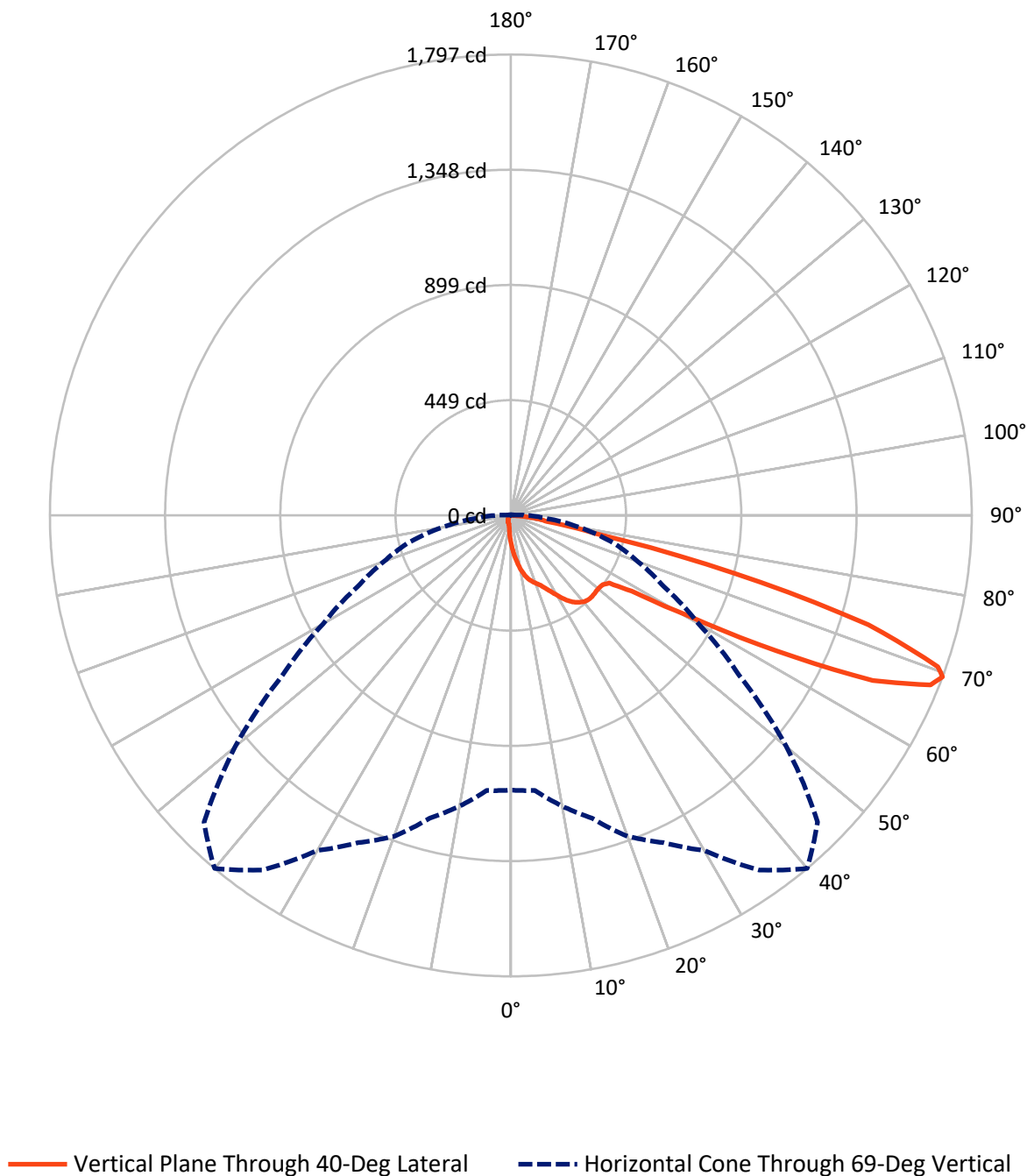


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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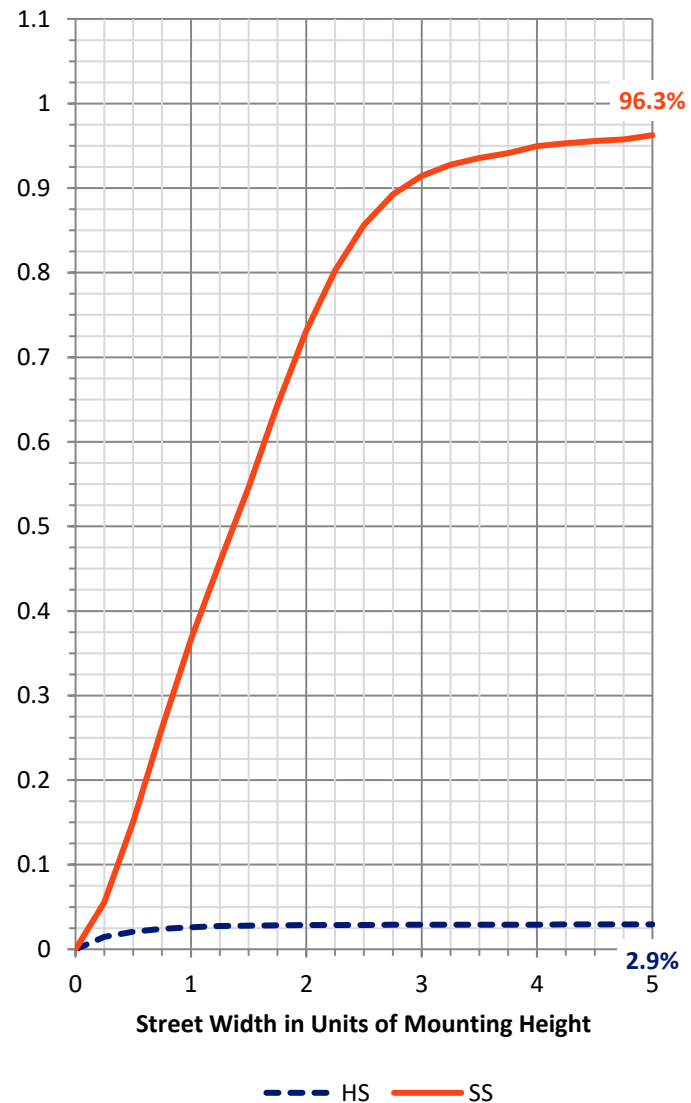
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.2	0.0	42.2
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	1375.5	0.0	1375.5
	% Fixture	97.0	0.0	97.0
Total	Lumens	1417.7	0.0	1417.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.8
10°-20°	37.9	2.7
20°-30°	72.6	5.1
30°-40°	120.8	8.5
40°-50°	163.4	11.5
50°-60°	255.6	18.0
60°-70°	525.4	37.1
70°-80°	211.4	14.9
80°-90°	19.5	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°	1417.7	100.0
0°-180°	1417.7	100.0

Coefficient of Utilization



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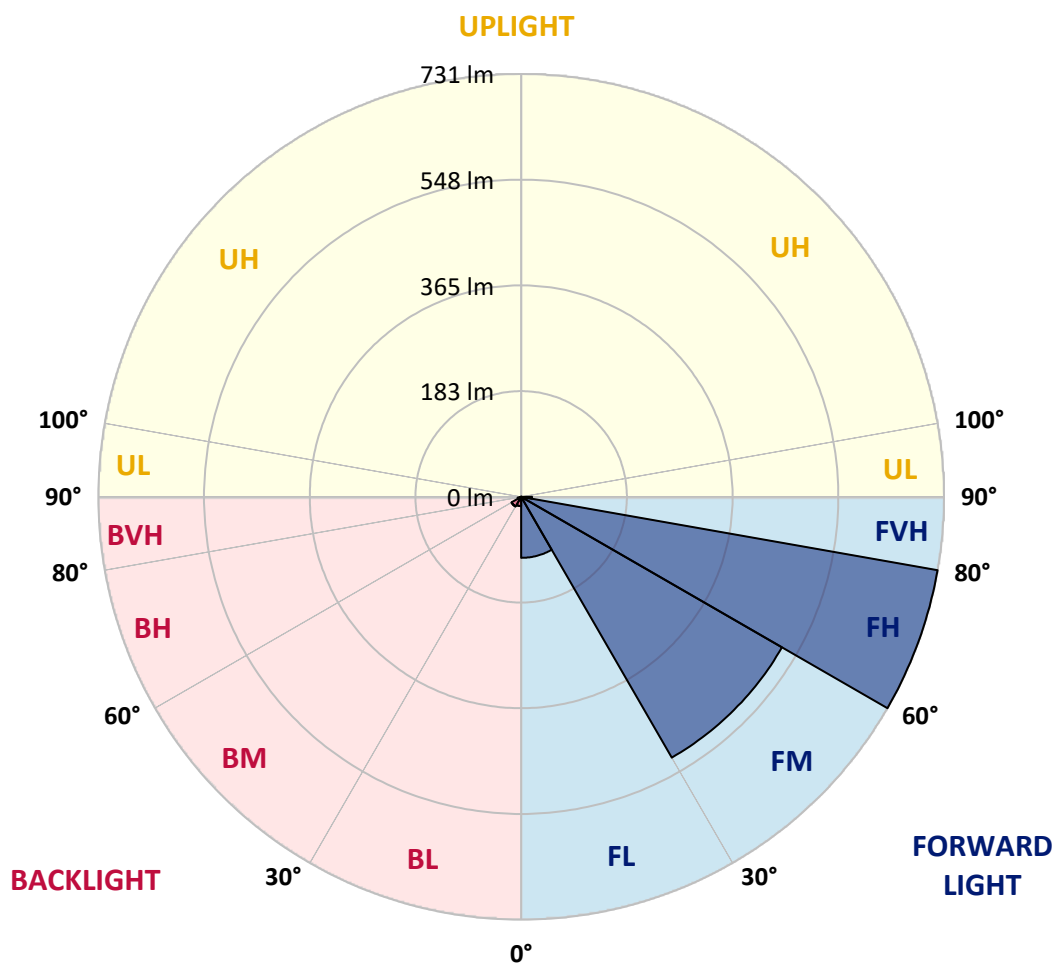
CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.5	7.4			
FM	(30°-60°)	520.5	36.7			
FH	(60°-80°)	730.7	51.5			G1/1800
FVH	(80°-90°)	18.8	1.3			G1/100
BL	(0°-30°)	16.1	1.1	B0/110		
BM	(30°-60°)	19.3	1.4	B0/220		
BH	(60°-80°)	6.2	0.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	142.8	141.2	139.4	139.4	137.0	137.0	135.6	131.9	131.4	129.3	127.3
5°	182.3	180.9	178.5	176.5	174.6	171.4	169.1	164.7	159.8	155.1	151.0
7.5°	220.8	220.2	216.0	215.3	212.2	206.9	202.3	195.8	187.5	180.9	173.3
10°	256.6	255.0	254.1	250.2	245.7	239.9	232.7	224.8	215.0	204.9	193.9
12.5°	285.0	284.0	279.9	278.2	273.6	267.8	258.8	248.5	238.8	225.5	212.7
15°	306.1	304.5	301.7	299.2	293.6	288.5	280.1	268.9	257.1	242.7	227.4
17.5°	323.7	320.7	320.0	316.1	310.3	304.2	294.9	284.8	270.8	256.4	239.7
20°	347.5	343.2	341.9	336.1	329.3	320.9	310.3	297.5	282.9	267.0	249.8
22.5°	375.3	372.3	369.2	364.1	355.5	343.7	328.2	314.2	295.6	278.2	259.7
25°	414.8	412.2	407.4	400.4	389.7	375.5	356.7	336.3	314.5	292.1	270.4
27.5°	453.2	450.8	447.3	442.0	429.8	414.3	391.1	365.1	337.4	310.5	286.3
30°	489.1	487.0	483.5	478.2	467.5	452.2	425.9	398.0	363.7	332.3	303.3
32.5°	527.9	527.2	523.2	515.5	506.3	485.6	457.1	427.2	392.2	356.1	322.1
35°	571.8	566.4	562.7	555.0	539.3	517.2	483.7	451.0	414.3	377.2	339.3
37.5°	608.9	603.8	599.2	589.4	570.2	542.1	504.2	468.2	430.4	392.5	354.0
40°	636.2	633.6	628.0	615.2	593.6	560.2	519.3	480.0	442.0	403.8	365.8
42.5°	656.4	652.3	646.1	632.8	607.4	569.2	525.4	485.0	447.3	410.9	373.5
45°	663.7	660.5	654.7	640.3	612.6	571.8	525.1	483.5	447.6	413.0	378.5
47.5°	659.4	656.1	651.0	637.5	610.4	568.8	520.9	479.6	445.2	413.7	383.2
50°	644.7	642.9	638.9	627.6	603.1	563.0	517.2	477.5	444.8	417.1	389.7
52.5°	643.3	642.2	637.3	625.9	601.0	561.1	516.8	478.7	448.7	421.6	394.3
55°	786.1	769.6	732.7	701.3	649.8	588.5	540.2	497.5	465.4	439.0	419.9
57.5°	1117.3	1092.7	1044.1	984.5	866.0	749.6	656.6	589.2	556.0	543.9	551.1
60°	1272.4	1268.1	1260.4	1232.0	1171.4	1071.3	959.9	839.4	791.0	786.8	801.5
62.5°	1346.1	1343.3	1345.6	1342.2	1323.3	1294.1	1262.0	1209.9	1162.2	1131.3	1065.8
65°	1380.0	1381.9	1395.1	1405.6	1407.9	1415.5	1439.0	1503.8	1551.2	1471.5	1289.6
67.5°	1293.9	1304.8	1335.1	1373.3	1417.8	1461.0	1530.8	1667.3	1764.6	1671.0	1412.7
69°	1071.1	1076.5	1150.8	1222.5	1331.5	1407.7	1508.7	1687.8	1797.1	1691.4	1403.0
70°	843.3	848.2	927.8	1025.4	1209.5	1307.6	1439.7	1653.2	1766.7	1664.2	1352.8
72.5°	380.4	373.5	401.6	453.8	654.0	809.6	1040.7	1339.4	1457.6	1333.4	1012.1
75°	265.7	262.7	265.7	265.9	297.0	383.2	483.5	726.0	897.8	774.8	483.5
77.5°	205.8	203.7	201.6	199.3	203.0	227.4	237.1	257.5	334.4	316.3	184.4
80°	162.8	160.9	166.0	164.5	164.5	167.3	165.4	157.7	143.3	132.8	118.9
82.5°	75.8	76.2	76.2	82.7	99.6	116.4	121.7	114.0	101.2	86.1	69.4
85°	7.2	8.1	13.7	21.1	42.1	47.4	47.6	39.5	39.5	31.1	25.1
87.5°	0.0	0.2	0.2	0.2	2.1	5.8	4.9	1.3	0.7	0.7	1.1
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°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	123.5	122.9	120.1	117.3	114.7	111.9	109.4	106.8	104.0	102.0	99.4
5°	144.5	139.4	133.6	128.0	122.4	116.6	110.6	105.2	99.6	94.5	89.6
7.5°	165.6	155.6	147.7	137.7	128.7	119.6	111.3	102.7	94.7	87.4	80.3
10°	183.5	171.4	159.1	146.3	133.3	121.2	109.6	99.4	88.9	79.9	71.3
12.5°	198.1	182.8	167.7	151.6	137.0	121.7	107.3	95.0	82.7	72.4	63.6
15°	211.3	193.7	175.5	157.0	138.4	121.0	105.0	89.6	77.1	65.5	55.5
17.5°	222.1	201.9	181.3	160.5	140.5	120.1	102.0	85.9	71.3	59.2	49.4
20°	231.3	210.2	188.1	164.7	141.9	119.8	99.4	81.2	66.2	53.4	43.9
22.5°	239.9	218.8	195.1	170.1	144.0	119.6	97.1	77.8	61.8	49.0	39.5
25°	249.6	227.4	202.5	175.5	147.7	120.5	95.6	75.0	57.8	44.9	36.0
27.5°	260.6	237.1	211.3	182.6	152.5	122.4	95.2	72.0	54.3	40.8	33.2
30°	276.0	248.7	220.2	189.5	157.0	124.5	94.7	70.2	50.9	37.8	30.5
32.5°	289.3	260.1	229.9	196.7	161.9	126.5	94.5	67.6	47.6	34.8	28.3
35°	303.5	270.6	238.2	203.7	166.0	128.9	94.3	65.7	44.6	31.8	26.2
37.5°	315.9	279.4	244.8	209.7	170.7	131.0	94.5	64.1	41.8	29.2	24.4
40°	326.3	288.5	252.0	215.3	175.5	134.2	94.7	62.5	39.1	26.9	22.8
42.5°	335.5	297.0	259.7	221.6	181.1	137.9	96.2	61.0	36.7	24.9	21.1
45°	342.8	305.0	268.0	230.4	190.3	144.0	98.7	60.1	34.4	23.0	19.7
47.5°	350.3	316.6	282.2	244.4	203.4	153.5	103.1	59.9	32.5	21.6	18.5
50°	360.4	328.2	294.7	258.4	215.5	163.3	108.5	60.1	30.2	20.2	17.4
52.5°	367.9	340.0	311.0	283.1	244.4	193.0	129.1	64.4	29.0	19.1	16.1
55°	411.8	406.9	407.6	412.2	382.3	328.4	216.0	92.8	34.1	21.6	15.8
57.5°	580.6	597.8	607.8	607.6	558.1	462.9	290.1	119.4	38.1	25.1	18.9
60°	802.6	789.6	771.3	726.0	660.3	528.4	324.5	128.4	33.0	20.0	17.2
62.5°	998.9	922.7	855.1	781.8	695.5	551.1	331.4	127.8	28.8	15.1	12.1
65°	1121.2	984.2	875.1	783.1	681.7	532.1	313.6	117.3	24.4	12.3	9.9
67.5°	1150.6	951.1	796.6	679.3	569.4	414.1	230.2	88.3	19.1	10.3	8.8
69°	1086.6	845.4	660.0	526.9	414.3	274.7	142.4	55.8	14.6	9.3	8.1
70°	999.6	735.3	537.6	422.9	306.8	193.0	99.6	39.3	11.8	8.6	7.5
72.5°	643.1	386.2	264.2	183.9	126.5	76.9	39.1	17.6	9.0	7.2	6.0
75°	249.4	142.8	103.6	78.8	61.6	42.7	23.7	11.4	7.7	6.0	4.7
77.5°	122.9	94.1	76.9	52.7	30.7	19.1	12.7	8.8	6.3	4.5	3.0
80°	97.1	64.6	38.5	23.9	18.1	13.7	9.7	7.2	4.7	2.8	2.1
82.5°	49.7	27.2	20.0	16.3	13.5	10.7	7.9	5.1	3.0	1.9	1.7
85°	15.5	11.4	10.3	9.9	9.3	7.7	5.6	3.2	1.9	1.1	1.1
87.5°	1.1	1.7	2.1	1.7	1.9	1.7	2.1	1.3	0.9	0.9	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°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	97.5	94.7	92.2	90.6	87.6	86.4	85.3	84.8	82.7	83.1	81.2
5°	85.3	80.3	76.7	73.0	69.4	66.8	64.8	62.3	60.1	59.2	57.4
7.5°	74.1	67.8	62.9	59.0	54.8	51.6	48.8	46.9	45.1	43.2	42.3
10°	64.4	57.6	52.0	48.1	44.1	41.3	39.3	37.8	36.7	36.0	35.8
12.5°	55.2	48.8	43.6	40.2	37.2	35.8	34.8	34.1	33.9	33.7	33.7
15°	48.3	41.8	37.8	35.3	33.9	33.2	33.0	32.5	32.0	31.8	31.8
17.5°	41.8	36.9	34.1	32.7	32.0	31.6	31.1	30.7	30.2	29.9	29.9
20°	37.4	33.5	32.0	31.1	30.5	29.9	29.2	28.8	28.6	28.3	28.1
22.5°	33.9	31.4	30.5	29.7	28.8	28.1	27.7	27.2	26.7	26.4	26.2
25°	31.4	29.7	29.0	28.1	27.2	26.4	25.8	25.1	24.7	24.4	23.9
27.5°	29.5	28.3	27.4	26.2	25.3	24.7	23.9	23.2	22.8	22.3	22.1
30°	27.9	26.7	25.6	24.7	23.4	22.8	21.9	21.1	20.9	20.4	20.0
32.5°	26.2	25.1	23.9	22.8	21.6	20.6	20.2	19.3	18.9	18.5	18.1
35°	24.4	23.2	21.9	20.9	19.7	18.9	18.1	17.4	17.0	16.5	16.3
37.5°	22.8	21.3	20.0	18.9	17.9	17.0	16.3	15.5	15.1	14.6	14.4
40°	20.9	19.5	18.1	17.0	16.1	15.3	14.6	13.9	13.5	13.3	13.3
42.5°	19.3	17.6	16.3	15.3	14.6	13.7	13.1	12.3	12.1	11.8	12.1
45°	17.6	16.1	14.8	13.9	13.3	12.3	11.6	11.2	10.9	11.2	11.4
47.5°	16.3	14.6	13.5	12.7	12.1	11.4	10.7	10.3	10.3	10.7	11.2
50°	14.8	13.3	12.3	11.8	11.2	10.5	9.5	9.3	9.5	9.9	10.5
52.5°	13.5	11.6	10.9	10.7	9.9	9.3	8.6	8.4	8.6	9.0	8.8
55°	12.1	10.3	9.9	9.7	9.0	8.1	7.5	7.5	7.5	7.2	6.7
57.5°	11.6	9.0	8.8	8.6	7.9	6.9	6.5	6.0	5.8	5.1	4.9
60°	12.1	8.1	8.1	7.7	6.9	6.0	5.4	4.7	4.1	3.7	3.7
62.5°	9.7	7.5	7.2	6.7	5.8	4.9	4.1	3.5	3.2	3.0	3.0
65°	7.9	6.7	6.3	5.6	4.9	3.9	3.2	2.8	2.6	2.6	2.8
67.5°	7.2	6.0	5.4	4.7	3.9	3.0	2.6	2.3	2.3	2.6	2.6
69°	6.7	5.6	4.9	4.1	3.5	2.8	2.3	2.3	2.3	2.3	2.6
70°	6.3	5.4	4.7	3.9	3.0	2.3	2.1	2.1	2.3	2.3	2.6
72.5°	4.9	4.1	3.9	3.2	2.3	2.1	1.9	2.1	2.1	2.3	2.3
75°	3.7	3.0	3.0	2.6	1.9	1.7	1.7	1.9	1.9	2.1	2.1
77.5°	2.6	2.1	2.1	1.9	1.7	1.3	1.3	1.7	1.9	1.9	2.1
80°	1.9	1.7	1.3	1.7	1.3	1.1	1.3	1.7	1.7	1.9	1.9
82.5°	1.3	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.7	1.9	1.9
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.7	1.7
87.5°	0.7	0.7	0.7	0.9	0.9	1.1	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):

	165°	170°	175°	180°
0°	107.0	107.0	107.0	107.0
2.5°	80.8	80.6	79.7	79.9
5°	56.7	55.2	56.2	56.0
7.5°	41.6	41.3	41.1	41.6
10°	35.5	35.5	35.3	35.5
12.5°	33.5	33.5	33.5	33.5
15°	31.8	31.8	31.6	31.6
17.5°	29.9	29.9	29.9	29.7
20°	28.1	27.9	27.9	27.9
22.5°	26.0	25.8	25.8	25.8
25°	23.9	23.7	23.7	23.7
27.5°	21.9	21.6	21.3	21.3
30°	19.7	19.5	19.3	19.3
32.5°	17.6	17.4	17.2	17.2
35°	15.8	15.8	15.5	15.3
37.5°	14.2	14.2	14.2	14.2
40°	13.1	13.3	13.3	13.3
42.5°	12.3	12.5	12.7	13.1
45°	11.8	12.3	12.5	12.5
47.5°	11.6	11.8	12.1	12.1
50°	10.7	10.5	10.5	10.5
52.5°	8.6	8.1	7.9	7.7
55°	6.3	6.0	5.6	5.6
57.5°	4.5	4.5	4.1	4.1
60°	3.5	3.5	3.2	3.5
62.5°	3.0	3.0	3.0	3.0
65°	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8
69°	2.6	2.6	2.6	2.6
70°	2.6	2.6	2.6	2.6
72.5°	2.3	2.3	2.3	2.3
75°	2.1	2.3	2.3	2.3
77.5°	2.1	2.1	2.1	2.1
80°	1.9	1.9	2.1	2.1
82.5°	1.9	1.9	1.9	1.9
85°	1.7	1.7	1.9	1.9
87.5°	1.3	1.3	1.7	1.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)