

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: P150428

Luminaire Tested: **VXS-E01-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150428
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-E01-LED-E1-SL3-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.3 lumens
Efficiency: N/A
Efficacy: 59.2 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): 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: 25 FT



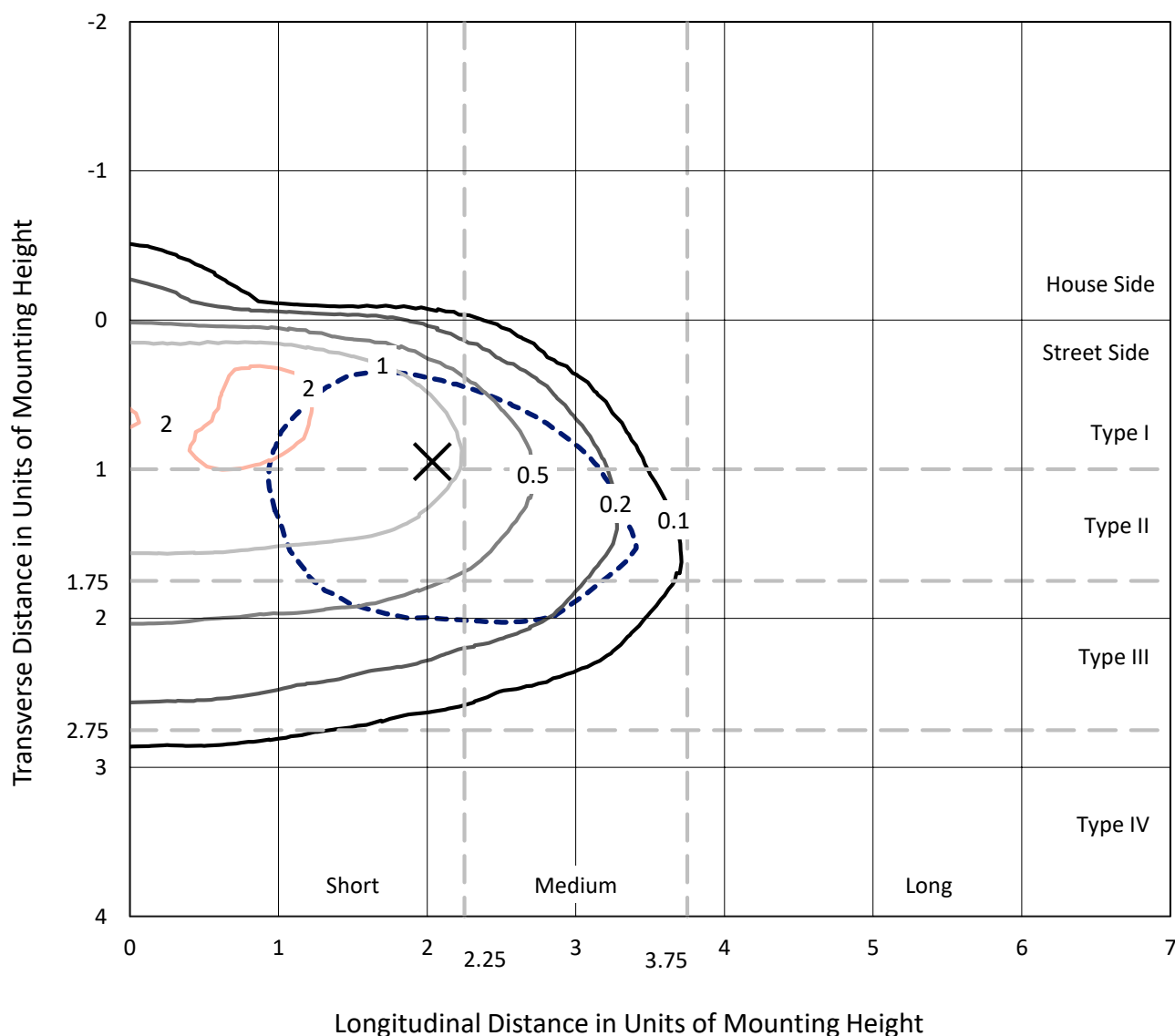
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

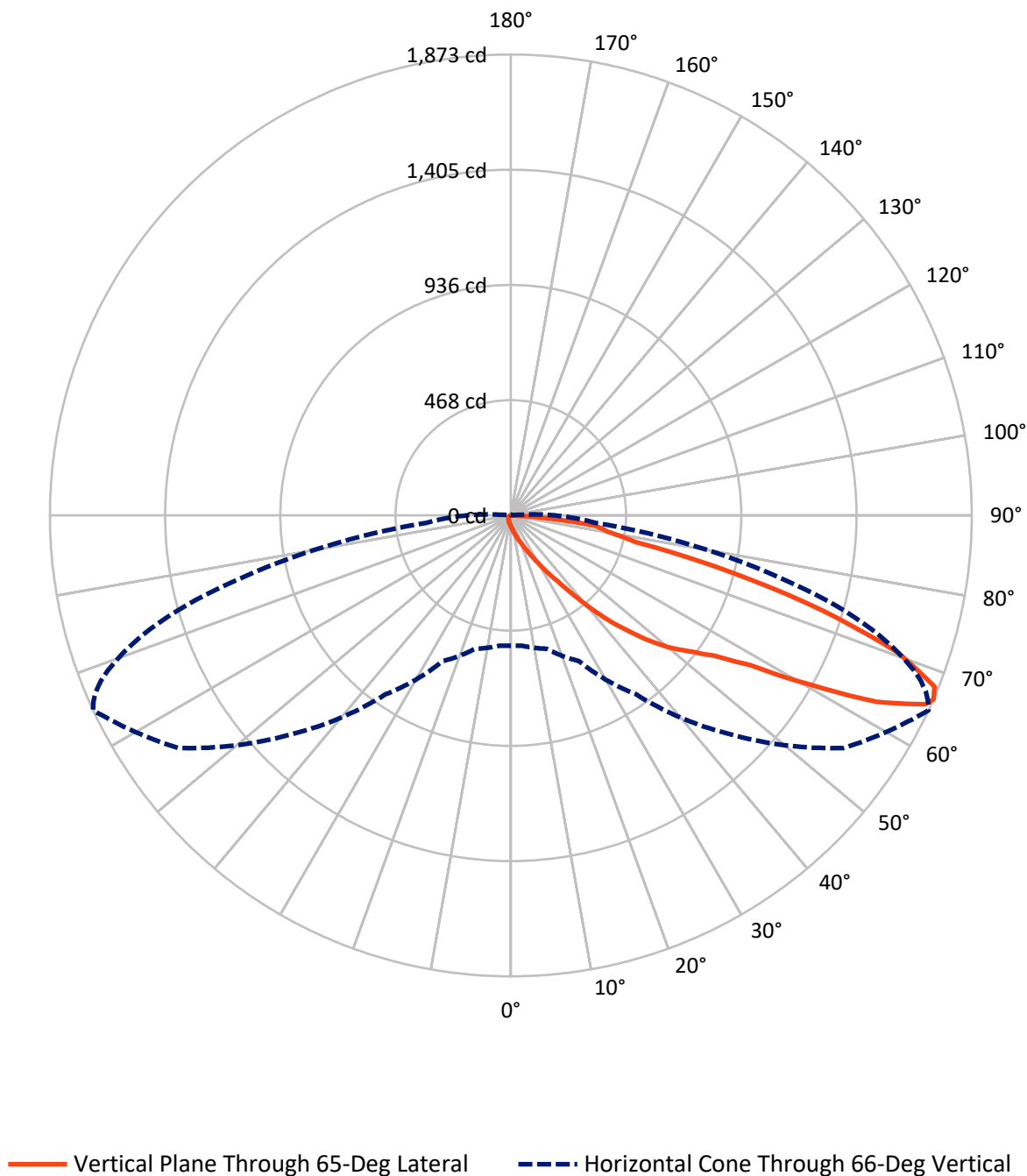


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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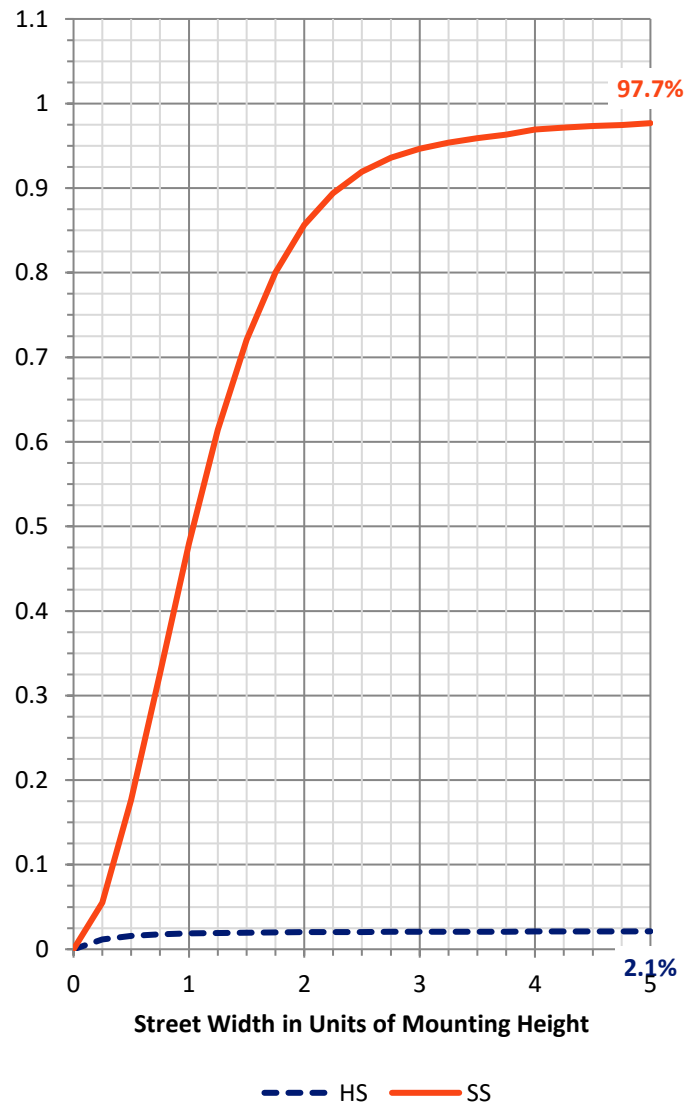
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.7	0.0	31.7
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1431.6	0.0	1431.6
	% Fixture	97.8	0.0	97.8
Total	Lumens	1463.3	0.0	1463.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.3
10°-20°	21.0	1.4
20°-30°	45.2	3.1
30°-40°	96.6	6.6
40°-50°	213.6	14.6
50°-60°	361.9	24.7
60°-70°	482.9	33.0
70°-80°	212.7	14.5
80°-90°	24.5	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°	1463.3	100.0
0°-180°	1463.3	100.0

Coefficient of Utilization



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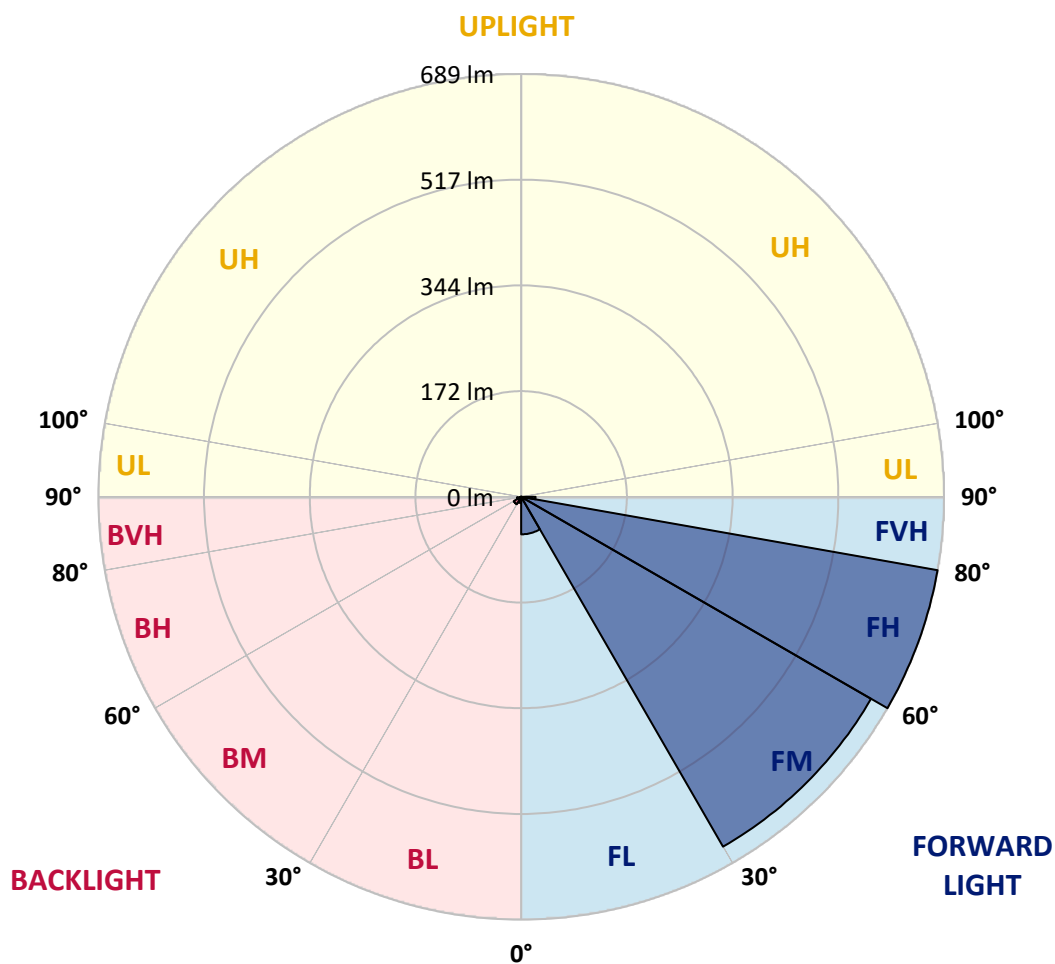
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.1	4.2			
FM	(30°-60°)	658.1	45.0			
FH	(60°-80°)	688.9	47.1			G1/1800
FVH	(80°-90°)	23.5	1.6			G1/100
BL	(0°-30°)	10.0	0.7	B0/110		
BM	(30°-60°)	13.9	1.0	B0/220		
BH	(60°-80°)	6.8	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°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	55.8	55.4	54.3	54.3	52.6	51.5	50.1	48.7	48.7	48.4	48.1
5°	73.7	72.0	71.7	68.6	66.1	62.5	59.1	54.6	54.0	53.5	53.2
7.5°	93.7	93.4	90.9	87.3	82.2	75.4	68.6	61.3	60.2	59.7	58.5
10°	119.6	118.1	114.8	108.6	101.0	92.0	81.0	69.5	68.1	66.9	66.4
12.5°	144.4	141.8	139.8	131.9	122.4	109.1	96.0	79.4	78.2	76.8	74.5
15°	167.4	165.2	161.8	155.0	144.4	127.8	112.2	92.0	89.2	87.3	85.5
17.5°	185.4	184.0	180.0	172.4	160.9	146.3	127.8	105.0	102.7	100.1	97.1
20°	202.6	200.6	194.4	184.0	171.6	160.3	146.0	121.9	118.8	115.6	112.2
22.5°	218.9	216.9	206.7	189.6	176.4	171.6	166.5	140.9	136.2	133.7	130.3
25°	241.7	237.4	221.7	194.4	176.7	180.3	189.0	165.7	161.2	157.5	152.2
27.5°	272.3	266.7	242.0	201.5	177.8	189.9	214.9	195.9	191.0	186.8	180.9
30°	306.9	303.3	273.8	218.3	186.0	203.9	243.9	234.1	228.4	223.4	216.4
32.5°	341.9	336.8	307.5	250.4	207.9	231.3	280.2	278.5	271.2	266.4	258.9
35°	372.4	369.9	348.3	303.0	258.0	279.1	328.6	330.6	324.0	319.1	310.6
37.5°	393.3	393.3	389.1	359.6	337.6	353.4	399.8	400.0	393.6	382.1	377.8
40°	404.0	407.0	422.3	427.9	426.7	447.0	493.2	488.1	482.8	476.9	462.8
42.5°	425.9	428.7	461.1	499.9	525.3	552.0	583.7	582.1	575.6	564.9	552.0
45°	463.1	466.7	505.3	566.8	619.0	656.9	677.2	669.3	662.8	652.6	645.9
47.5°	510.4	517.4	560.9	637.2	700.0	762.7	783.8	763.0	757.3	749.4	738.4
50°	560.7	567.5	613.9	701.0	772.0	846.8	882.0	846.8	838.7	836.1	823.7
52.5°	604.2	609.9	654.6	750.3	827.2	914.9	966.1	919.7	913.8	905.3	896.3
55°	630.2	634.7	676.6	774.0	864.6	976.2	1047.4	1006.6	997.9	994.5	981.6
57.5°	638.9	643.4	681.1	777.0	884.8	1032.2	1146.1	1147.6	1137.1	1125.1	1121.1
60°	638.9	643.9	675.8	769.4	904.5	1091.8	1277.8	1395.1	1372.6	1370.4	1356.1
62.5°	612.4	617.2	649.3	746.1	930.9	1172.3	1461.2	1668.3	1661.9	1647.2	1623.5
65°	555.0	557.9	589.4	686.4	920.8	1246.3	1620.2	1850.1	1839.6	1810.9	1780.5
66°	529.2	531.4	560.9	652.4	887.6	1256.4	1648.3	1872.8	1855.6	1831.5	1797.1
67.5°	491.8	495.8	516.5	589.1	808.0	1221.2	1630.6	1856.8	1841.9	1812.6	1778.2
70°	328.3	325.5	399.0	452.1	615.5	995.0	1462.9	1667.2	1667.5	1653.7	1639.9
72.5°	155.9	157.5	179.0	278.2	402.9	664.8	1164.5	1330.7	1349.8	1325.1	1307.9
75°	112.0	114.5	127.5	170.2	240.2	399.0	754.8	930.7	931.2	887.4	848.2
77.5°	32.6	34.0	47.9	105.0	180.0	269.2	433.6	517.4	505.3	473.8	444.2
80°	13.5	13.5	14.1	33.5	72.3	182.9	303.3	398.3	397.0	384.9	367.5
82.5°	5.1	5.4	6.7	13.8	17.2	45.0	202.3	345.8	344.9	327.8	315.3
85°	0.5	0.5	1.7	5.9	6.4	8.4	40.5	152.4	151.6	152.4	133.7
87.5°	0.0	0.0	0.3	0.5	0.8	1.1	1.7	5.9	6.4	6.2	5.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	48.1	47.6	47.6	47.3	47.3	47.3	46.9	46.7	46.7	46.4	46.1
5°	52.6	52.0	51.8	51.2	50.9	50.7	50.1	49.8	49.2	48.9	48.7
7.5°	57.9	56.8	56.6	55.8	54.8	54.3	53.8	52.8	52.3	51.2	50.9
10°	64.7	63.3	62.2	61.0	60.2	58.8	57.9	56.8	55.8	54.8	54.0
12.5°	73.5	71.5	69.7	68.6	66.6	65.0	63.3	62.5	60.2	59.1	57.7
15°	83.0	80.7	78.8	76.5	75.1	72.3	70.1	67.6	66.4	64.5	62.2
17.5°	95.3	91.7	88.6	86.3	83.5	80.7	78.2	75.6	72.3	70.1	67.3
20°	108.6	105.5	101.2	97.3	94.0	90.6	86.9	83.5	80.4	76.8	73.5
22.5°	125.5	120.9	116.0	112.0	107.5	103.8	98.8	94.2	89.2	84.4	80.4
25°	146.8	140.9	136.2	130.6	125.2	119.6	113.4	107.8	101.2	96.8	90.1
27.5°	173.3	167.7	161.2	153.9	148.5	140.1	131.9	124.9	117.3	110.3	102.7
30°	207.0	198.9	192.1	185.1	174.4	166.2	156.7	147.2	136.7	129.7	118.1
32.5°	247.6	238.9	228.7	218.5	208.7	197.2	185.4	173.6	162.1	149.1	137.3
35°	297.1	286.6	275.1	264.1	249.0	236.6	221.7	205.4	192.4	177.5	162.6
37.5°	362.6	345.5	335.3	323.8	303.3	286.4	269.8	253.5	230.7	214.9	193.9
40°	444.8	434.6	418.0	399.5	380.9	358.7	336.2	314.5	288.1	266.1	241.7
42.5°	541.2	526.3	509.5	482.8	463.9	437.7	412.1	383.4	351.1	323.0	294.3
45°	631.9	614.1	601.2	574.5	554.8	523.8	492.8	462.5	425.1	388.8	355.6
47.5°	729.7	715.1	693.8	672.1	652.1	617.2	583.7	546.9	507.6	464.5	421.5
50°	815.9	804.4	789.7	763.5	741.3	712.0	672.6	632.4	582.6	539.9	490.9
52.5°	889.0	880.0	859.5	840.9	820.9	793.4	758.1	719.7	665.9	619.0	563.2
55°	975.3	968.9	950.9	939.4	921.7	895.2	862.3	826.5	769.7	718.5	655.5
57.5°	1116.9	1111.8	1096.1	1091.3	1073.9	1050.8	1010.3	972.0	905.6	842.1	770.1
60°	1351.2	1341.1	1318.0	1306.2	1269.3	1238.4	1185.8	1133.2	1053.1	972.0	885.4
62.5°	1602.2	1573.8	1529.8	1492.1	1439.9	1386.1	1315.8	1235.3	1141.3	1045.2	945.6
65°	1737.5	1689.1	1633.7	1573.8	1506.0	1426.9	1338.2	1241.8	1140.8	1039.3	934.0
66°	1753.0	1698.3	1639.6	1573.0	1497.5	1413.4	1323.4	1222.1	1117.2	1018.1	913.0
67.5°	1733.6	1676.5	1614.3	1540.3	1458.7	1371.5	1277.0	1171.7	1070.8	970.3	867.9
70°	1597.7	1540.8	1485.4	1407.5	1320.5	1232.7	1143.3	1025.7	930.1	837.8	746.6
72.5°	1275.9	1237.3	1182.4	1115.8	1031.1	928.1	853.6	748.3	665.4	575.9	505.3
75°	797.3	743.0	675.2	590.3	525.5	442.0	398.3	318.4	271.2	229.8	189.9
77.5°	407.7	366.8	319.3	271.5	225.6	180.0	139.3	98.4	66.4	46.1	34.3
80°	336.8	300.7	261.3	217.7	177.2	137.6	99.1	67.6	43.0	28.1	22.0
82.5°	278.2	247.9	212.6	172.1	137.0	108.0	75.1	48.9	30.4	19.7	15.4
85°	118.4	107.5	83.0	65.8	49.5	36.6	25.6	17.2	12.1	9.8	9.0
87.5°	5.1	5.6	5.4	4.2	3.1	3.1	2.8	2.3	2.3	2.3	2.3
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	46.1	45.9	45.6	45.6	45.3	45.0	43.3	42.0	40.2	39.1	38.0
5°	48.1	47.9	47.3	46.9	46.4	46.1	42.5	39.4	36.9	34.9	33.5
7.5°	50.1	49.8	48.9	48.1	47.9	47.3	41.3	37.4	34.0	31.8	30.4
10°	52.6	51.8	50.9	49.8	48.9	48.1	40.2	35.1	31.5	29.5	28.1
12.5°	56.3	54.8	53.5	52.0	50.9	49.5	39.7	33.2	29.5	27.3	25.9
15°	60.5	58.5	56.8	55.1	53.2	51.8	38.5	31.5	27.9	25.6	23.9
17.5°	64.5	62.2	59.7	57.1	55.1	53.2	37.4	29.8	26.1	23.9	22.2
20°	70.1	66.6	63.6	60.5	57.7	55.1	35.8	28.1	24.8	22.2	20.5
22.5°	76.3	72.3	68.4	64.1	60.5	57.1	34.3	26.7	23.3	20.8	18.9
25°	84.1	79.4	74.0	68.6	64.5	59.9	33.0	25.3	22.0	19.4	17.4
27.5°	95.1	88.3	82.4	75.6	69.2	64.1	31.8	24.1	20.5	18.0	16.1
30°	110.1	100.1	90.9	83.5	76.0	68.6	30.7	22.8	19.4	16.6	14.3
32.5°	126.6	115.0	104.4	93.4	83.8	75.4	29.5	21.7	18.0	15.2	13.3
35°	147.2	132.5	118.1	105.5	94.0	82.7	28.4	20.5	16.9	13.8	11.8
37.5°	176.7	158.3	139.6	123.2	108.3	93.4	27.6	19.4	15.4	12.3	10.4
40°	217.2	193.6	170.5	148.3	128.8	110.3	26.4	18.2	14.3	11.3	9.3
42.5°	261.0	232.3	202.0	177.0	150.3	126.8	25.3	17.2	13.3	10.2	8.2
45°	315.6	279.9	243.1	209.0	176.4	146.3	24.1	16.1	11.8	9.0	7.0
47.5°	375.3	329.7	288.1	245.3	206.5	170.5	22.8	15.2	10.7	7.9	6.2
50°	436.6	388.5	336.0	287.3	241.1	194.7	21.3	13.8	9.5	7.0	5.1
52.5°	502.7	445.9	392.1	331.7	277.9	226.4	20.0	12.6	8.7	6.2	4.2
55°	586.8	523.3	460.2	392.4	327.8	263.3	18.5	11.3	7.6	5.4	3.4
57.5°	692.6	617.2	539.9	463.3	384.9	311.7	17.4	9.8	6.4	4.5	2.8
60°	792.5	704.5	610.8	522.7	434.1	348.8	15.8	8.7	5.6	3.6	2.8
62.5°	844.2	743.8	642.8	545.8	451.3	362.1	14.1	7.4	4.8	3.1	2.5
65°	831.6	729.2	631.3	533.4	440.8	353.7	12.3	6.4	4.2	2.8	2.5
66°	813.4	712.0	613.6	520.4	432.1	344.7	11.5	6.2	3.9	2.8	2.3
67.5°	773.4	675.4	581.6	494.8	408.2	327.5	10.4	5.6	3.6	2.5	2.3
70°	660.5	571.7	496.6	419.5	348.8	276.0	8.4	4.8	3.1	2.3	2.3
72.5°	437.2	376.7	326.6	281.0	234.9	182.3	7.0	3.9	2.5	2.3	2.0
75°	164.9	149.1	128.0	115.0	100.4	88.1	5.6	2.5	2.0	2.0	2.0
77.5°	29.2	27.0	23.9	22.0	20.2	18.5	4.5	1.7	1.7	2.0	2.0
80°	19.7	18.2	16.6	15.2	14.1	12.6	3.1	1.5	1.7	1.7	2.0
82.5°	14.1	13.3	12.3	11.3	10.4	9.3	2.0	1.5	1.7	1.7	1.7
85°	8.4	7.9	7.4	6.7	5.9	5.6	1.5	1.5	1.5	1.7	1.7
87.5°	2.3	2.0	2.3	2.3	1.7	2.0	1.1	1.1	1.1	1.5	1.5
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):

	145°	155°	165°	175°	180°
0°	44.1	44.1	44.1	44.1	44.1
2.5°	37.4	37.4	36.9	37.7	37.7
5°	32.3	32.3	32.0	32.3	32.3
7.5°	29.5	29.2	29.2	29.2	29.5
10°	27.0	26.7	26.7	26.7	26.7
12.5°	24.8	24.5	24.1	24.5	24.5
15°	22.8	22.2	22.2	22.2	22.2
17.5°	21.1	20.5	20.2	20.2	20.2
20°	19.4	18.5	18.5	18.5	18.5
22.5°	17.7	16.9	16.9	16.9	16.9
25°	16.1	15.2	15.2	15.2	15.2
27.5°	14.6	13.8	13.8	13.8	13.8
30°	13.0	12.3	12.3	12.6	12.3
32.5°	11.8	11.0	11.0	11.3	11.3
35°	10.4	9.8	9.8	9.8	9.8
37.5°	9.0	8.4	8.4	8.4	8.4
40°	7.9	7.4	7.0	7.4	7.4
42.5°	6.7	6.2	5.9	5.9	5.9
45°	5.9	5.1	4.8	5.1	5.1
47.5°	4.8	4.2	4.2	4.5	4.5
50°	3.6	3.6	3.9	4.5	4.5
52.5°	3.4	3.4	3.9	4.5	4.5
55°	3.1	3.4	3.9	4.2	4.5
57.5°	2.8	3.4	3.9	4.2	4.2
60°	2.8	3.1	3.6	4.2	4.2
62.5°	2.5	2.8	3.4	3.9	3.9
65°	2.5	2.8	3.4	3.9	3.9
66°	2.5	2.8	3.4	3.9	3.9
67.5°	2.5	2.8	3.4	3.9	3.9
70°	2.5	2.8	3.4	3.6	3.6
72.5°	2.3	2.5	3.1	3.6	3.6
75°	2.3	2.5	3.1	3.6	3.6
77.5°	2.3	2.5	3.1	3.6	3.6
80°	2.3	2.5	3.1	3.4	3.6
82.5°	2.0	2.5	2.8	3.4	3.4
85°	2.0	2.3	2.8	3.1	3.4
87.5°	1.7	2.0	2.3	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)