

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: P149294

Luminaire Tested: **VXS-F01-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149294
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
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-SL2-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 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: 1382.5 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - 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

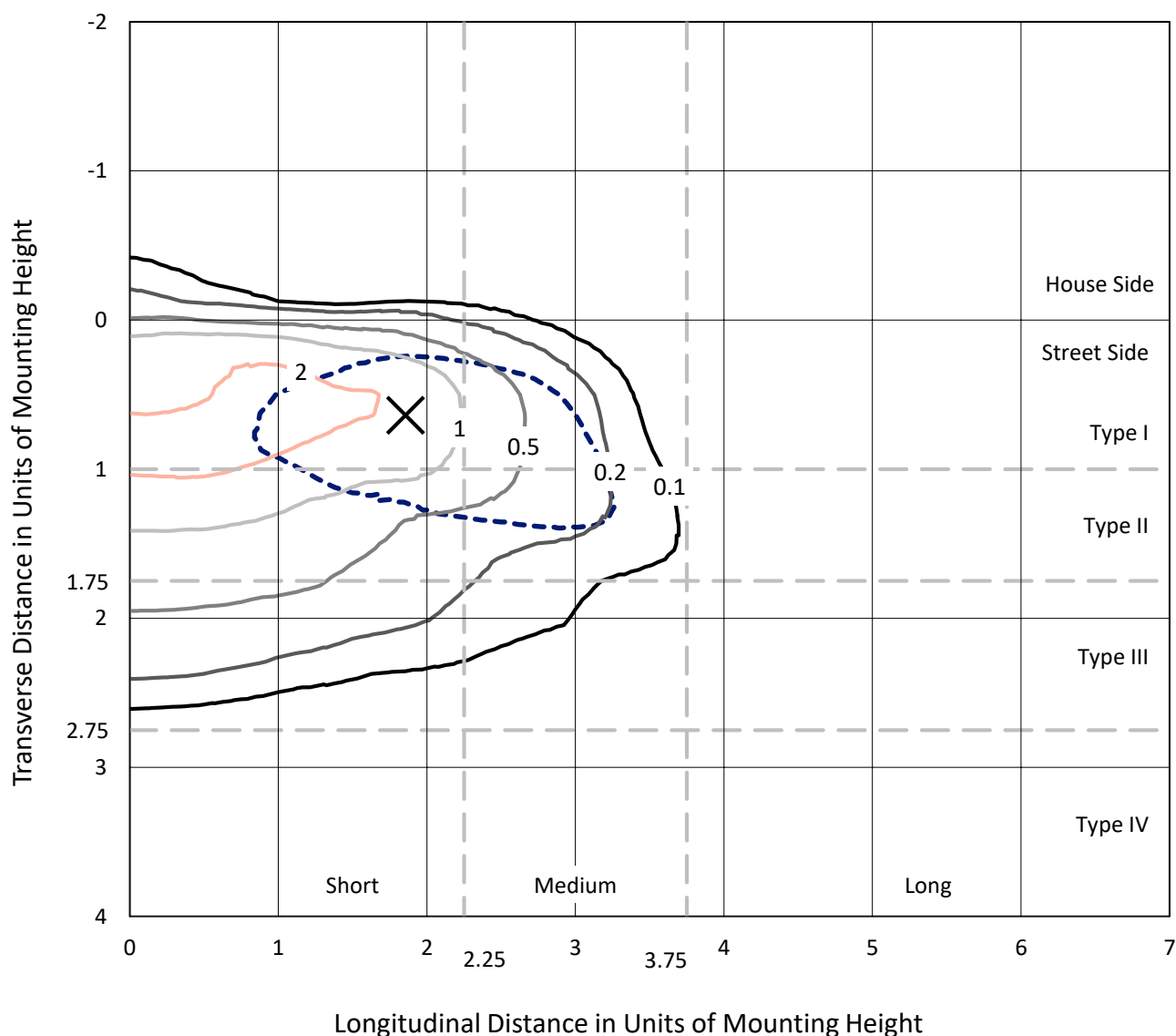


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

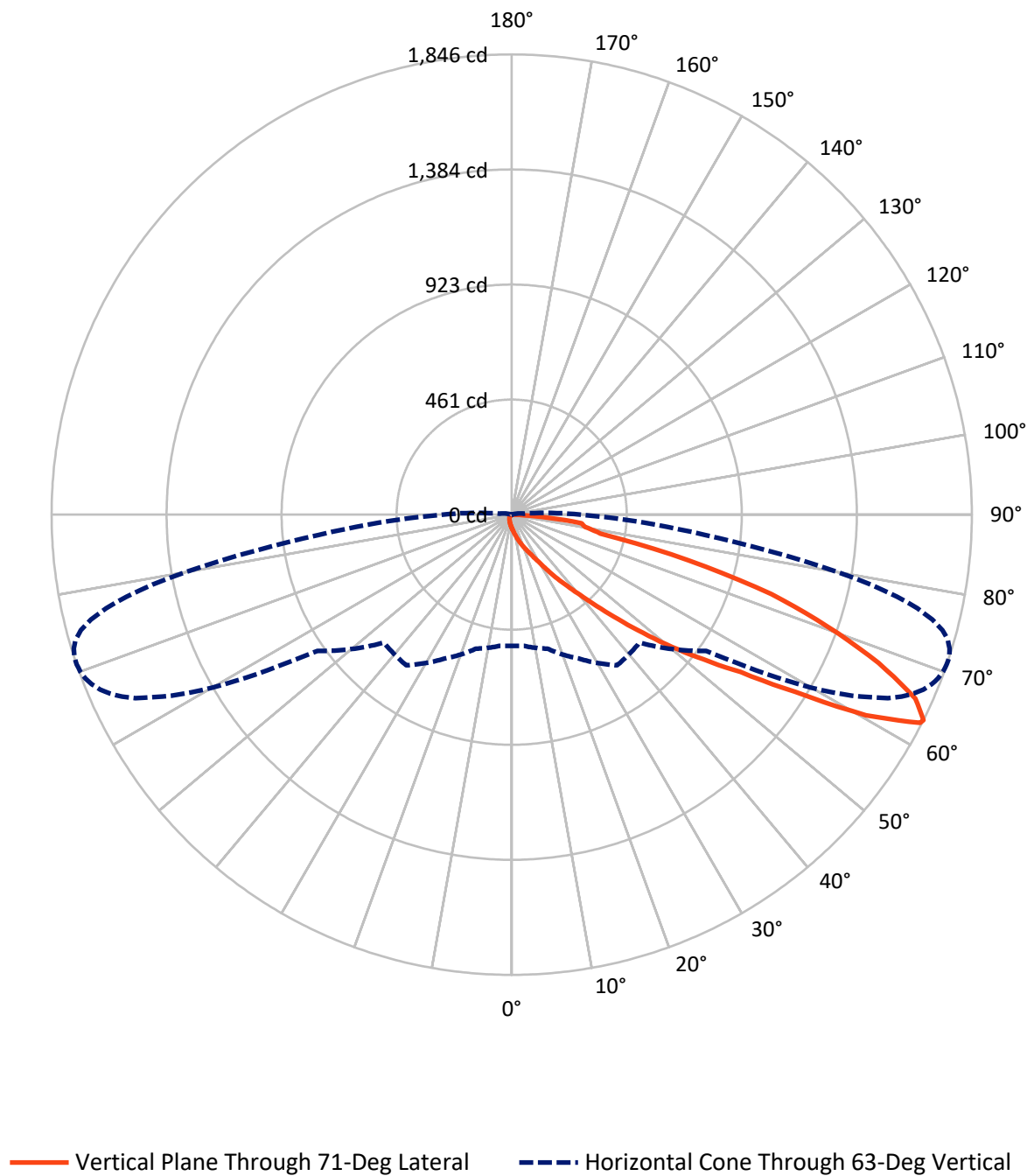


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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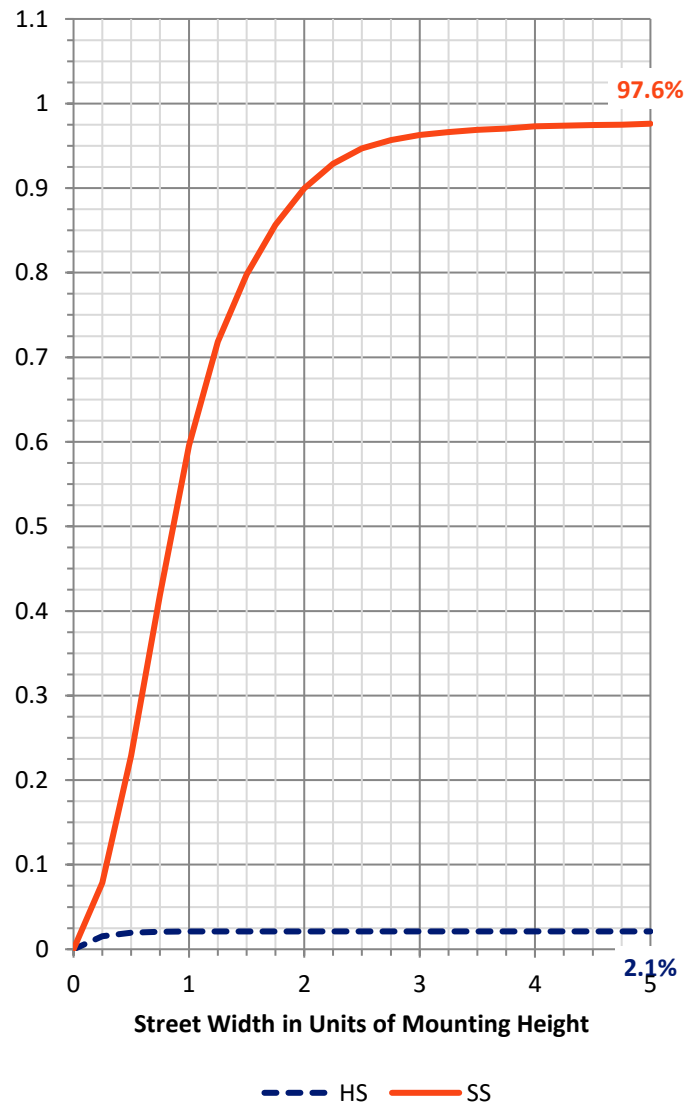
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.3	0.0	29.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	1353.1	0.0	1353.1
	% Fixture	97.9	0.0	97.9
Total	Lumens	1382.5	0.0	1382.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.4
10°-20°	22.7	1.6
20°-30°	46.2	3.3
30°-40°	112.8	8.2
40°-50°	252.3	18.2
50°-60°	354.7	25.7
60°-70°	417.1	30.2
70°-80°	150.6	10.9
80°-90°	20.1	1.5
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°	1382.5	100.0
0°-180°	1382.5	100.0

Coefficient of Utilization



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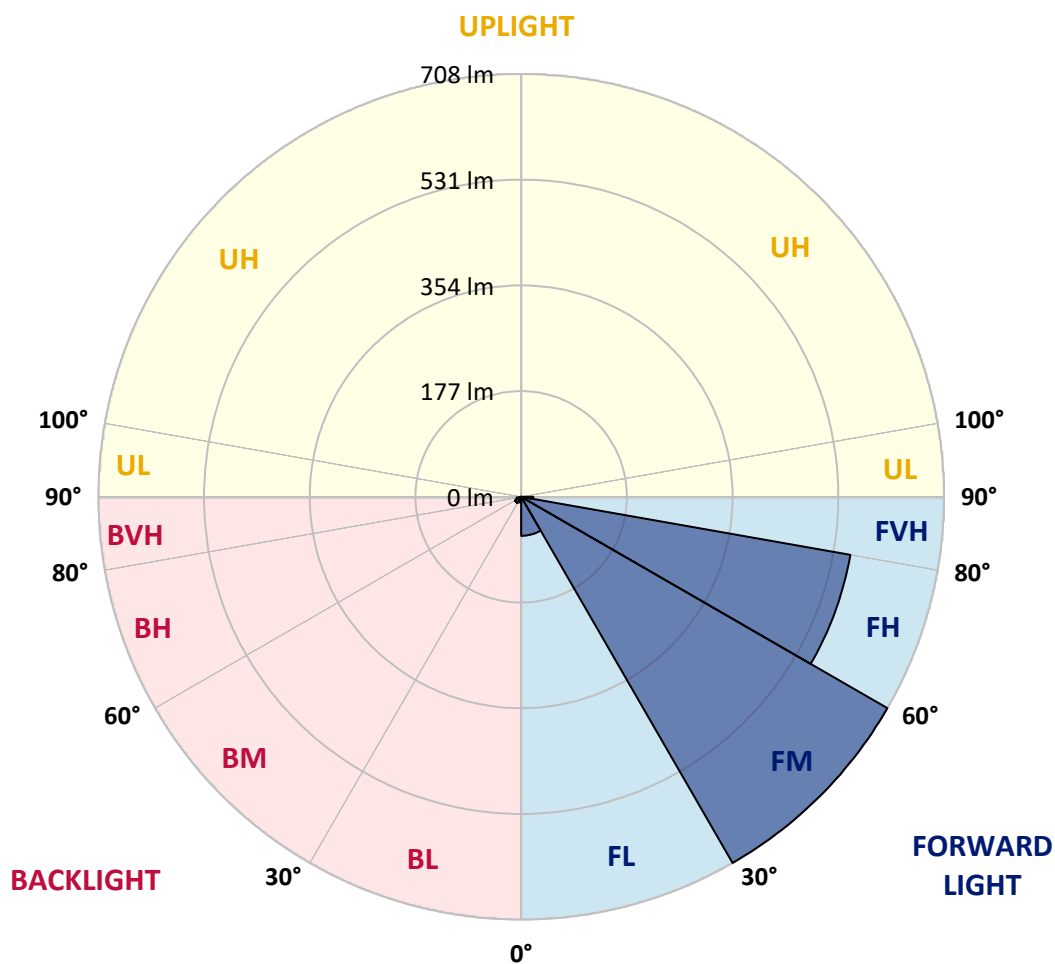
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.3	4.7			
FM	(30°-60°)	708.0	51.2			
FH	(60°-80°)	559.7	40.5			G0/660
FVH	(80°-90°)	20.1	1.5			G1/100
BL	(0°-30°)	9.4	0.7	B0/110		
BM	(30°-60°)	11.8	0.9	B0/220		
BH	(60°-80°)	8.0	0.6	B0/110		G0/110
BVH	(80°-90°)	0.0	0.0			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	69.3	70.2	69.6	68.4	66.8	64.9	63.1	63.1	62.8	62.1	62.3
5°	91.0	91.2	90.3	87.3	84.5	80.2	75.4	74.9	74.4	73.7	73.4
7.5°	112.1	113.1	112.1	108.8	103.3	96.8	89.2	88.5	86.9	86.9	85.9
10°	133.7	133.7	132.7	128.9	123.9	114.6	105.1	103.8	102.1	101.6	100.0
12.5°	149.0	149.0	148.5	146.5	142.5	134.2	122.7	121.3	119.2	118.3	116.6
15°	155.0	155.0	155.3	157.1	157.3	153.6	141.5	140.5	138.2	136.3	135.4
17.5°	158.9	158.5	158.5	161.1	165.6	168.2	160.3	159.4	156.8	155.9	153.3
20°	167.2	166.6	165.1	165.1	169.4	178.2	178.2	177.9	175.1	174.4	173.2
22.5°	179.5	179.0	174.4	170.7	172.6	183.7	194.0	193.6	192.5	191.5	190.8
25°	199.6	197.8	190.1	179.0	177.2	189.0	206.1	207.4	208.1	208.1	208.6
27.5°	229.9	227.7	213.9	193.3	185.5	197.5	219.4	222.0	224.1	224.7	226.9
30°	272.2	268.2	248.3	218.1	200.3	210.2	239.1	241.8	245.1	246.0	249.5
32.5°	341.6	339.3	320.2	274.9	236.8	234.7	266.4	269.9	274.2	276.0	280.2
35°	447.2	447.7	432.0	391.3	338.5	310.9	315.4	318.4	319.9	325.2	327.5
37.5°	518.8	520.0	523.5	507.5	469.7	441.6	406.1	409.4	401.7	402.4	402.6
40°	557.9	562.0	582.6	598.1	595.1	578.9	550.5	552.1	537.6	534.3	518.4
42.5°	584.1	589.3	622.3	670.6	695.2	710.1	703.5	702.7	691.4	687.2	673.8
45°	600.4	605.2	646.6	717.8	774.6	817.8	835.6	837.7	828.2	823.8	812.8
47.5°	599.7	605.2	649.7	735.4	819.1	888.2	938.4	940.9	946.7	943.0	943.7
50°	566.5	571.8	616.5	705.5	806.0	920.4	1012.3	1020.4	1029.7	1036.0	1039.0
52.5°	526.3	530.1	569.7	654.2	750.3	907.0	1056.1	1069.9	1083.7	1095.5	1103.8
55°	511.5	515.8	546.9	617.0	705.5	851.3	1076.5	1096.8	1116.4	1135.8	1151.6
57.5°	519.3	523.3	545.6	599.4	678.9	792.4	1082.3	1113.9	1146.1	1177.5	1208.6
60°	547.9	552.1	571.3	615.8	671.8	758.5	1059.6	1112.1	1165.7	1220.4	1272.0
62.5°	536.6	538.3	566.5	644.5	722.1	729.6	977.4	1050.8	1132.5	1217.0	1300.1
63°	525.8	527.8	556.5	636.6	737.4	725.4	952.0	1029.4	1115.6	1206.6	1297.1
65°	476.8	477.0	498.9	562.2	720.3	732.8	839.0	912.8	1011.8	1120.9	1235.3
67.5°	355.9	354.1	375.2	423.5	565.5	733.2	720.1	761.6	830.4	927.2	1029.7
70°	126.2	123.4	157.6	224.5	352.3	599.7	618.8	621.6	640.6	693.0	757.3
72.5°	40.9	41.8	50.3	82.2	162.4	403.6	560.2	551.7	546.6	546.4	554.9
75°	16.4	16.6	20.1	36.5	72.8	194.5	490.6	495.3	497.1	499.7	502.4
77.5°	7.8	8.5	11.3	20.3	36.2	96.3	351.1	391.6	414.7	432.5	443.3
80°	2.8	3.3	6.3	12.5	16.8	44.2	185.0	223.2	257.1	300.8	338.5
82.5°	0.0	0.0	1.2	8.8	9.3	17.8	75.9	89.0	101.8	131.9	169.4
85°	0.0	0.0	0.0	2.5	2.8	3.0	25.6	30.9	34.7	40.4	46.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.6	3.7	5.8
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	61.9	61.6	61.6	61.0	60.8	60.3	60.1	59.3	59.1	59.1	59.1
5°	73.2	72.1	71.6	70.4	69.6	69.3	68.1	67.6	66.8	67.2	65.8
7.5°	85.7	83.9	83.2	81.5	80.9	79.2	78.7	77.4	76.7	75.1	74.6
10°	99.5	97.3	96.0	93.3	92.5	91.2	89.7	88.2	86.9	85.5	84.7
12.5°	115.3	113.4	112.3	108.6	106.8	105.1	103.0	101.0	99.1	97.7	96.0
15°	134.0	130.7	129.6	126.2	123.1	120.9	118.1	115.6	114.1	111.6	109.8
17.5°	152.3	149.0	148.3	143.0	139.7	138.2	135.2	131.9	129.2	126.6	123.9
20°	170.7	168.4	166.4	161.3	157.8	155.3	151.3	148.1	145.8	142.3	138.8
22.5°	189.0	186.7	185.2	180.0	176.7	173.2	169.6	166.1	162.9	158.5	154.6
25°	207.9	206.3	205.6	200.8	197.8	194.5	191.0	186.9	183.0	178.2	173.9
27.5°	227.5	228.0	226.4	225.5	222.2	219.9	214.4	211.6	208.6	202.8	197.5
30°	252.3	253.9	253.4	254.1	252.1	250.6	246.3	242.8	239.3	233.8	227.7
32.5°	283.7	285.8	286.7	289.5	288.5	288.0	286.7	281.8	279.3	269.6	267.2
35°	332.2	331.3	335.5	337.8	336.8	336.3	334.8	332.0	329.0	322.2	316.0
37.5°	395.3	396.4	397.8	393.4	390.4	390.1	385.5	382.8	378.5	371.0	363.4
40°	511.0	504.7	497.6	478.5	470.3	465.5	452.1	448.4	441.0	430.8	423.0
42.5°	661.2	654.9	633.9	602.0	584.9	561.2	550.5	537.1	526.8	509.9	500.9
45°	810.6	792.4	789.9	752.7	731.6	700.4	681.1	658.8	635.3	613.3	597.2
47.5°	936.5	932.4	920.1	897.5	877.9	851.7	826.8	792.4	768.3	736.9	708.0
50°	1037.2	1037.0	1032.4	1019.4	1003.1	982.0	960.1	930.9	903.5	865.1	834.2
52.5°	1112.6	1116.7	1118.1	1114.2	1107.9	1089.2	1078.2	1053.8	1030.7	998.0	964.6
55°	1168.0	1182.8	1190.3	1198.9	1197.1	1190.6	1190.1	1174.2	1163.6	1137.8	1114.2
57.5°	1236.3	1260.7	1284.0	1325.5	1327.0	1341.6	1349.1	1356.7	1358.7	1348.4	1340.6
60°	1323.2	1373.1	1417.3	1503.9	1526.6	1562.3	1585.4	1610.6	1631.9	1633.7	1633.2
62.5°	1384.6	1461.2	1532.6	1661.3	1705.3	1746.5	1777.4	1801.8	1816.6	1831.7	1838.8
63°	1386.3	1470.3	1546.2	1678.9	1725.2	1764.4	1793.8	1816.4	1831.9	1841.0	1845.5
65°	1343.8	1445.7	1536.2	1668.3	1711.8	1751.3	1766.6	1781.5	1789.0	1792.5	1779.2
67.5°	1139.1	1238.5	1344.1	1491.9	1529.1	1576.4	1588.9	1596.5	1600.0	1599.2	1587.9
70°	851.7	935.2	1052.5	1221.5	1270.8	1317.0	1345.6	1357.9	1362.0	1360.7	1343.8
72.5°	594.6	643.6	740.4	928.4	995.5	1054.8	1090.3	1108.6	1112.4	1104.9	1089.2
75°	499.4	501.9	523.7	626.5	689.4	752.7	792.7	804.2	796.7	773.9	734.1
77.5°	445.9	451.4	451.4	466.7	479.1	496.6	500.4	472.2	439.6	397.3	363.2
80°	374.0	393.4	406.9	418.2	419.5	416.0	406.6	390.8	365.7	333.5	297.8
82.5°	227.3	265.4	281.0	339.3	368.0	387.3	385.8	364.7	345.6	312.1	281.8
85°	57.3	61.9	67.2	87.3	97.7	119.4	133.0	139.3	141.5	129.9	117.6
87.5°	5.5	3.7	6.3	4.8	6.7	5.1	6.7	6.3	7.8	8.3	9.0
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	58.5	58.3	58.0	57.8	57.5	57.3	56.8	56.8	56.3	56.1	55.8
5°	65.1	64.6	64.4	63.8	63.1	62.6	61.9	60.8	60.1	59.8	59.3
7.5°	73.4	72.1	71.6	70.9	69.8	68.4	67.4	66.6	65.4	64.6	63.1
10°	82.7	81.5	79.9	78.4	76.9	75.1	73.9	72.8	70.9	69.8	68.1
12.5°	94.5	92.2	90.5	88.5	86.4	84.5	82.9	79.9	78.1	75.9	74.4
15°	106.5	104.6	102.6	100.0	97.0	93.8	92.2	89.4	87.3	83.7	81.7
17.5°	121.1	117.4	114.4	111.3	108.6	105.6	102.6	98.2	95.0	92.0	88.0
20°	135.4	131.0	127.7	123.6	119.6	114.8	111.3	108.3	103.8	99.8	95.5
22.5°	150.8	146.3	141.0	137.0	131.4	127.7	122.9	117.8	113.4	108.1	102.8
25°	169.4	164.7	158.5	153.3	147.0	141.8	136.0	130.2	124.7	118.7	111.8
27.5°	192.2	187.3	180.7	174.4	166.1	159.6	154.1	146.3	139.3	131.7	123.9
30°	221.1	215.6	207.6	198.5	190.3	183.0	175.1	164.9	157.1	148.1	138.0
32.5°	258.9	252.3	241.6	233.0	222.7	213.2	202.3	192.0	180.9	169.1	157.6
35°	306.3	300.3	287.8	275.2	263.9	252.5	239.1	227.3	211.6	197.3	182.5
37.5°	355.6	344.9	333.3	319.7	305.6	292.0	275.4	259.2	241.2	225.7	207.0
40°	411.9	398.9	389.3	374.7	354.9	335.5	320.2	299.8	277.5	256.6	234.7
42.5°	489.1	474.5	457.4	435.3	420.9	398.3	378.5	354.4	325.0	301.6	275.2
45°	578.3	558.4	541.9	520.5	503.2	475.0	451.9	419.7	390.4	359.7	327.5
47.5°	680.1	655.4	631.3	610.3	582.6	554.9	525.5	491.4	453.7	420.0	381.8
50°	797.0	762.1	728.6	701.5	663.5	631.6	599.7	561.2	519.5	480.8	437.3
52.5°	926.9	886.4	842.2	800.5	756.5	715.5	677.1	632.8	586.3	539.1	490.6
55°	1083.7	1053.4	1001.3	948.3	889.4	834.7	785.2	730.4	673.8	611.7	560.7
57.5°	1329.3	1314.5	1271.0	1217.9	1141.2	1074.7	990.8	923.6	841.7	756.3	690.4
60°	1662.1	1643.7	1619.4	1576.4	1515.5	1425.1	1332.5	1228.3	1103.6	985.2	872.8
62.5°	1839.5	1833.0	1813.1	1783.4	1726.6	1655.2	1562.1	1447.5	1306.6	1162.9	1019.7
63°	1844.8	1836.5	1819.4	1789.2	1739.2	1670.1	1578.7	1467.3	1329.5	1183.0	1036.8
65°	1773.4	1770.2	1752.7	1719.9	1685.7	1632.8	1562.1	1466.2	1350.7	1212.1	1066.6
67.5°	1572.8	1563.0	1536.4	1526.3	1502.5	1465.8	1411.7	1345.9	1263.2	1154.4	1028.7
70°	1330.3	1315.8	1282.3	1264.5	1235.3	1212.1	1179.3	1132.2	1081.2	1005.3	911.6
72.5°	1073.2	1043.0	1012.3	965.9	925.2	883.9	847.5	814.3	758.2	727.6	656.5
75°	696.9	642.2	589.6	519.3	456.0	399.9	345.3	317.7	260.1	236.8	203.3
77.5°	330.8	300.1	258.9	226.9	186.2	152.0	124.1	93.3	73.2	57.3	43.7
80°	266.9	241.0	216.2	187.3	156.6	124.9	95.8	71.6	50.8	35.2	24.9
82.5°	238.0	209.8	179.2	159.4	138.4	113.4	93.0	75.9	56.1	40.9	27.9
85°	92.5	77.9	60.1	49.0	38.2	31.4	28.4	19.6	15.3	12.0	9.3
87.5°	8.1	6.5	5.3	3.5	3.7	2.0	2.3	1.6	1.2	1.2	1.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	55.5	55.3	55.0	54.5	54.5	54.0	53.8	53.6	52.2	49.5	47.3
5°	58.3	57.8	57.3	56.6	56.1	55.3	54.8	54.0	51.3	46.0	41.5
7.5°	62.3	61.3	60.6	59.1	58.3	57.3	56.6	55.3	50.8	42.7	36.5
10°	67.2	65.4	64.0	62.3	60.8	59.6	58.3	56.6	50.3	39.2	31.9
12.5°	72.8	70.9	68.4	66.3	64.4	62.6	60.8	58.5	49.5	36.2	28.4
15°	78.7	75.6	73.9	71.1	68.4	65.8	63.3	61.3	49.7	33.0	25.4
17.5°	85.2	82.2	78.4	75.4	72.3	69.1	66.1	62.1	48.5	30.4	23.1
20°	91.5	87.3	83.7	79.9	75.6	71.6	67.9	64.4	47.5	27.9	21.1
22.5°	98.2	93.3	88.7	83.9	78.7	74.1	69.6	65.1	45.7	25.6	19.4
25°	106.5	100.8	94.3	88.5	82.9	77.4	71.6	66.1	43.9	23.6	18.1
27.5°	116.6	109.1	102.6	95.2	87.5	80.4	74.1	68.1	42.2	22.1	16.8
30°	129.4	120.6	111.3	102.1	93.8	85.7	76.9	69.3	40.4	20.6	15.5
32.5°	146.5	135.4	124.1	113.4	102.3	92.0	82.7	72.8	39.5	19.4	14.3
35°	169.1	154.8	141.0	127.5	114.1	101.6	89.4	78.4	39.5	17.8	12.8
37.5°	190.5	173.9	156.4	139.5	123.6	109.1	94.7	81.5	37.4	16.6	11.6
40°	213.7	193.8	173.2	153.3	134.2	116.2	99.8	84.5	35.6	15.1	10.3
42.5°	249.1	223.9	197.0	173.9	151.1	128.7	108.3	90.3	33.5	13.6	9.0
45°	295.5	263.6	232.0	203.8	174.7	147.3	123.1	100.8	33.0	12.3	7.8
47.5°	345.3	307.7	270.5	234.5	200.3	168.4	139.5	112.6	33.0	11.1	6.7
50°	394.8	347.6	307.9	266.1	227.7	190.1	155.5	124.9	33.2	10.1	5.5
52.5°	439.6	389.0	344.6	296.3	253.9	210.2	172.6	137.0	32.6	8.8	4.6
55°	501.7	442.4	390.8	337.5	287.8	238.5	196.1	155.0	33.0	7.8	3.7
57.5°	616.1	546.4	484.4	414.4	357.1	293.6	242.1	192.2	36.0	6.5	2.8
60°	780.1	689.6	602.5	517.2	444.4	368.7	301.9	243.3	42.2	5.3	2.0
62.5°	890.5	772.1	668.1	574.0	489.3	410.2	337.3	270.7	46.5	4.2	1.2
63°	901.8	779.4	674.8	577.8	491.4	412.2	338.8	272.7	46.7	4.0	1.2
65°	923.1	791.9	678.5	578.5	489.3	409.4	337.8	272.4	47.3	3.3	1.0
67.5°	898.8	772.6	656.7	557.0	471.7	393.1	325.2	262.4	47.0	2.3	0.7
70°	803.7	699.2	597.4	504.5	427.0	355.9	296.1	239.3	43.2	1.6	0.5
72.5°	590.2	519.0	440.1	373.0	321.7	267.2	228.0	179.7	33.5	1.0	0.2
75°	174.9	159.4	134.0	118.1	104.4	86.2	76.7	59.8	17.1	0.5	0.0
77.5°	34.9	31.7	28.4	25.9	24.4	20.8	19.9	16.4	7.0	0.2	0.0
80°	18.3	15.1	12.8	11.3	9.8	8.1	6.7	5.5	1.2	0.0	0.0
82.5°	17.6	11.8	8.5	7.0	6.0	4.8	3.7	2.8	0.7	0.0	0.0
85°	6.5	5.1	3.7	3.0	2.5	2.3	1.8	1.6	0.0	0.0	0.0
87.5°	1.0	0.7	0.7	0.5	0.5	0.2	0.2	0.2	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	45.0	43.0	42.0	40.7	40.7	40.4	40.9
5°	37.4	34.7	32.6	31.2	31.4	30.7	30.9
7.5°	31.7	28.9	27.2	26.1	25.9	25.6	25.6
10°	27.4	24.9	23.4	22.6	22.4	22.4	22.4
12.5°	24.4	21.9	20.6	20.1	20.1	19.9	19.9
15°	21.9	19.9	18.5	18.1	18.1	17.8	18.1
17.5°	19.9	17.8	16.8	16.4	16.4	16.1	16.1
20°	18.1	16.4	15.3	14.6	14.6	14.3	14.6
22.5°	16.6	14.8	13.6	13.1	12.8	12.5	12.8
25°	15.1	13.4	12.0	11.3	11.1	11.1	10.8
27.5°	13.8	12.0	10.6	9.8	9.5	9.5	9.3
30°	12.5	10.6	9.0	8.3	8.1	8.1	8.1
32.5°	11.3	9.0	7.8	7.0	6.7	6.7	6.7
35°	10.1	7.8	6.5	5.8	5.5	5.5	5.5
37.5°	8.5	6.5	5.1	4.6	4.2	4.0	4.0
40°	7.3	5.1	3.7	3.3	2.8	2.8	2.8
42.5°	6.0	4.0	2.8	2.0	1.8	1.6	1.8
45°	5.1	3.0	1.8	1.0	0.7	0.7	0.7
47.5°	4.0	2.0	0.7	0.2	0.2	0.2	0.2
50°	3.0	1.2	0.2	0.0	0.0	0.2	0.2
52.5°	2.3	0.7	0.0	0.0	0.0	0.0	0.0
55°	1.2	0.2	0.0	0.0	0.0	0.0	0.0
57.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)