

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: P149296

Luminaire Tested: **VXS-F01-LED-E1-SL2-HSS-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149296
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-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1553.2 lumens
Efficiency: N/A
Efficacy: 60.0 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

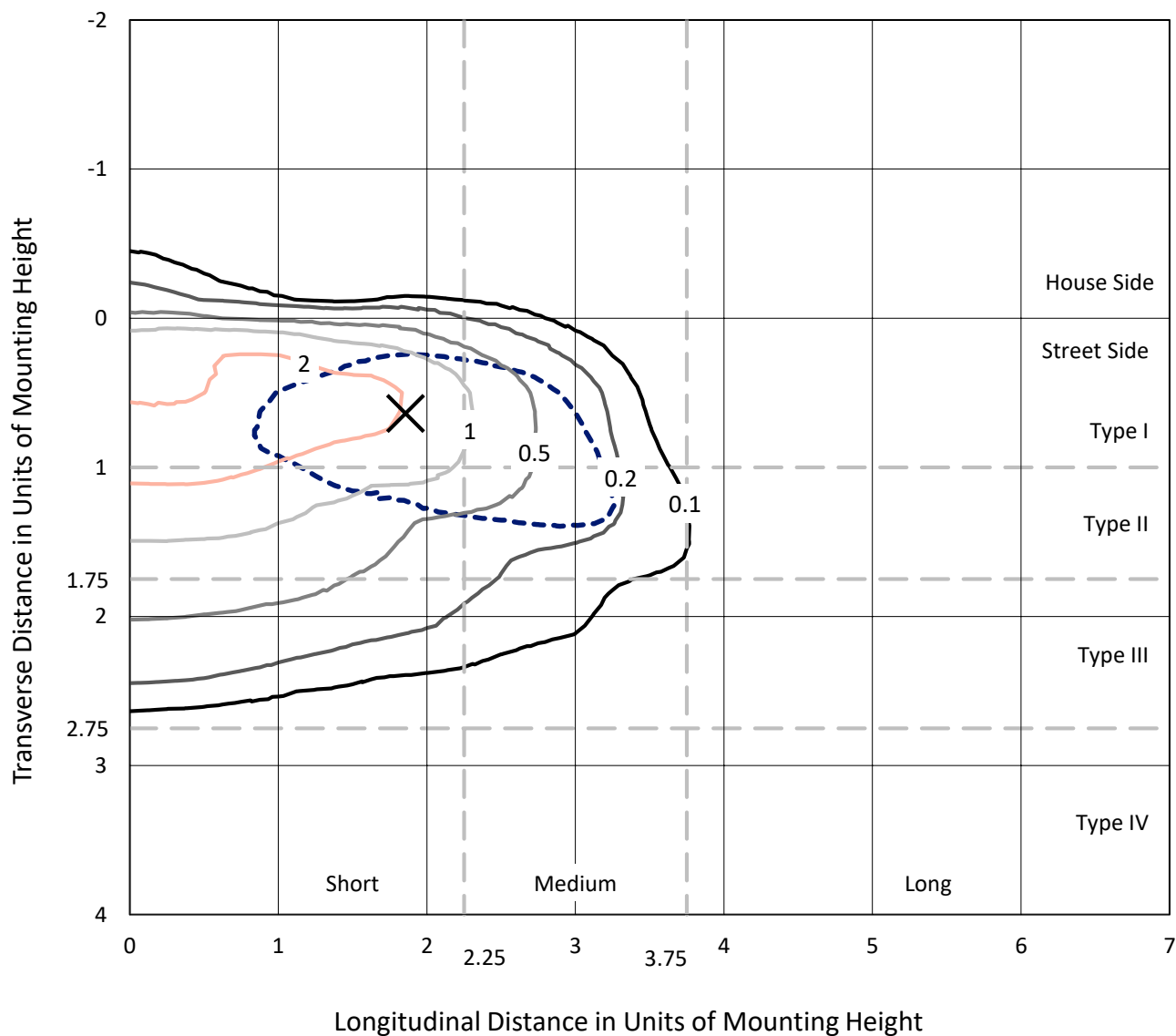


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

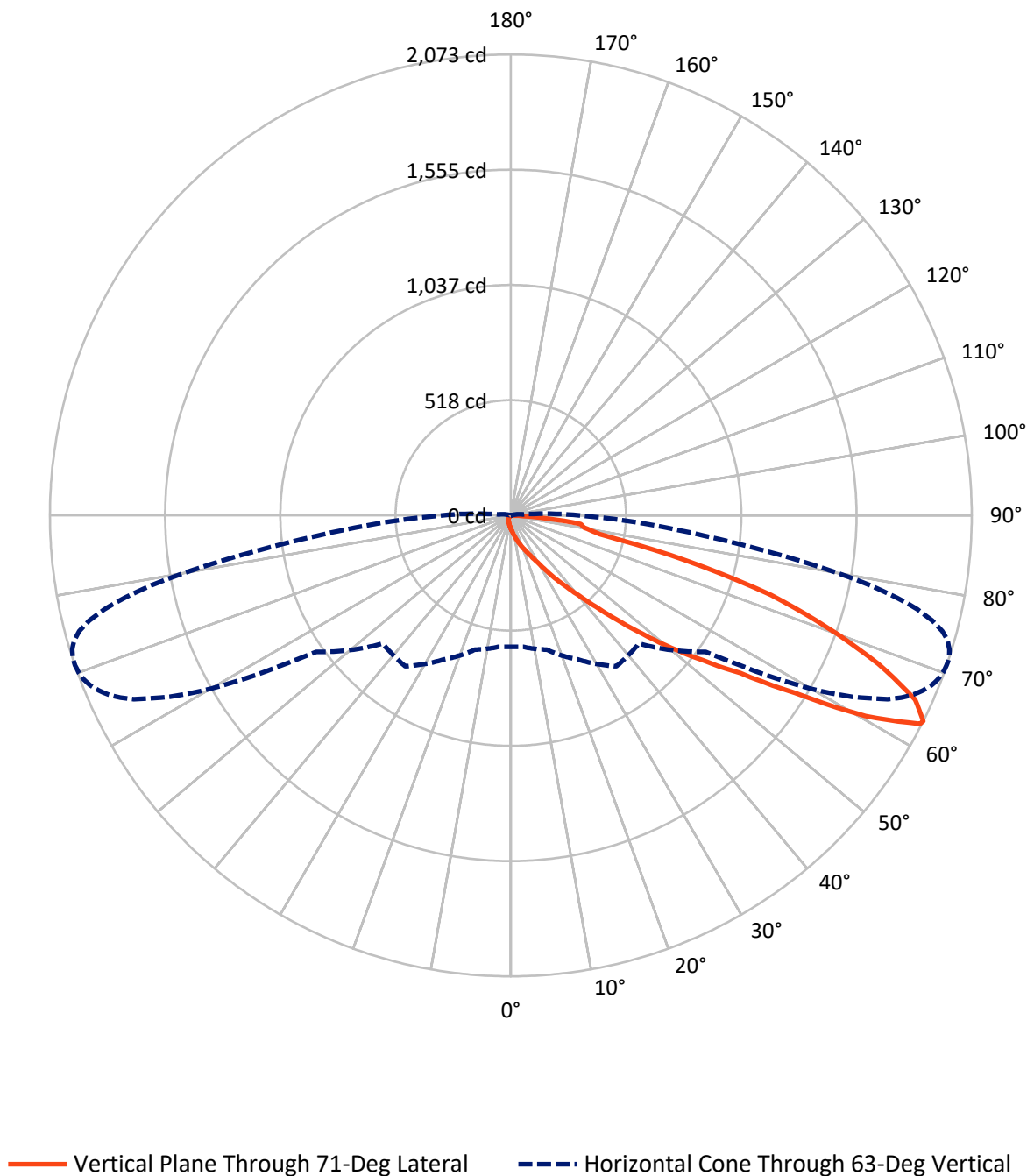


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
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Luminous Intensity Polar Plot



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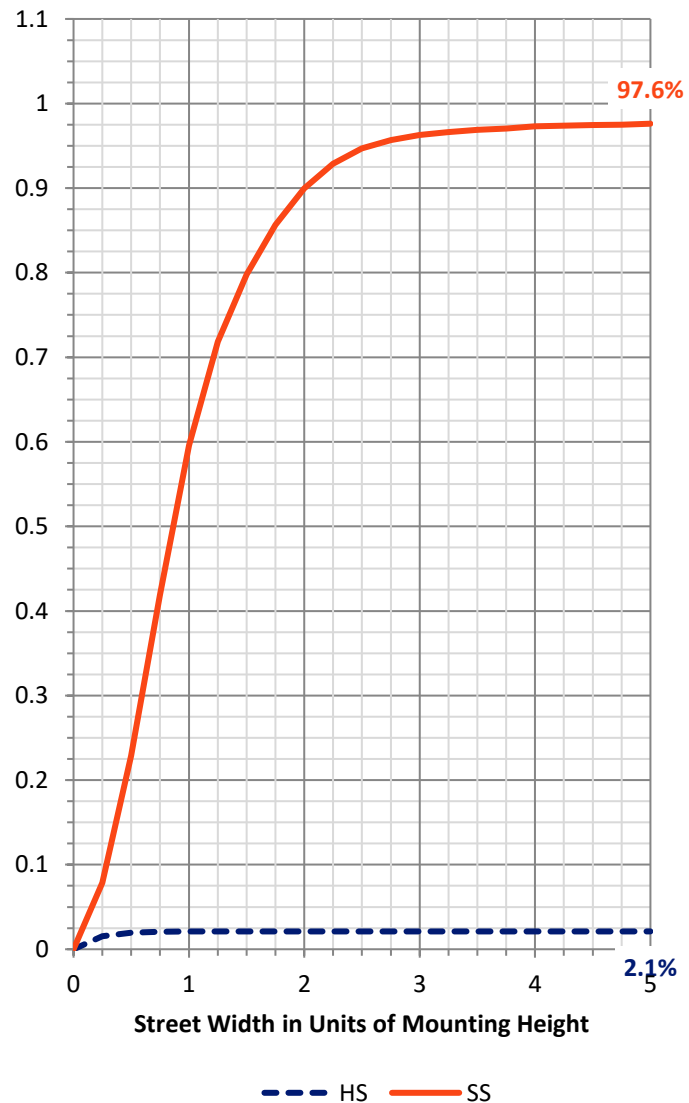
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.0	0.0	33.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	1520.2	0.0	1520.2
	% Fixture	97.9	0.0	97.9
Total	Lumens	1553.2	0.0	1553.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.4
10°-20°	25.5	1.6
20°-30°	51.9	3.3
30°-40°	126.7	8.2
40°-50°	283.4	18.2
50°-60°	398.5	25.7
60°-70°	468.6	30.2
70°-80°	169.2	10.9
80°-90°	22.6	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°	1553.2	100.0
0°-180°	1553.2	100.0

Coefficient of Utilization



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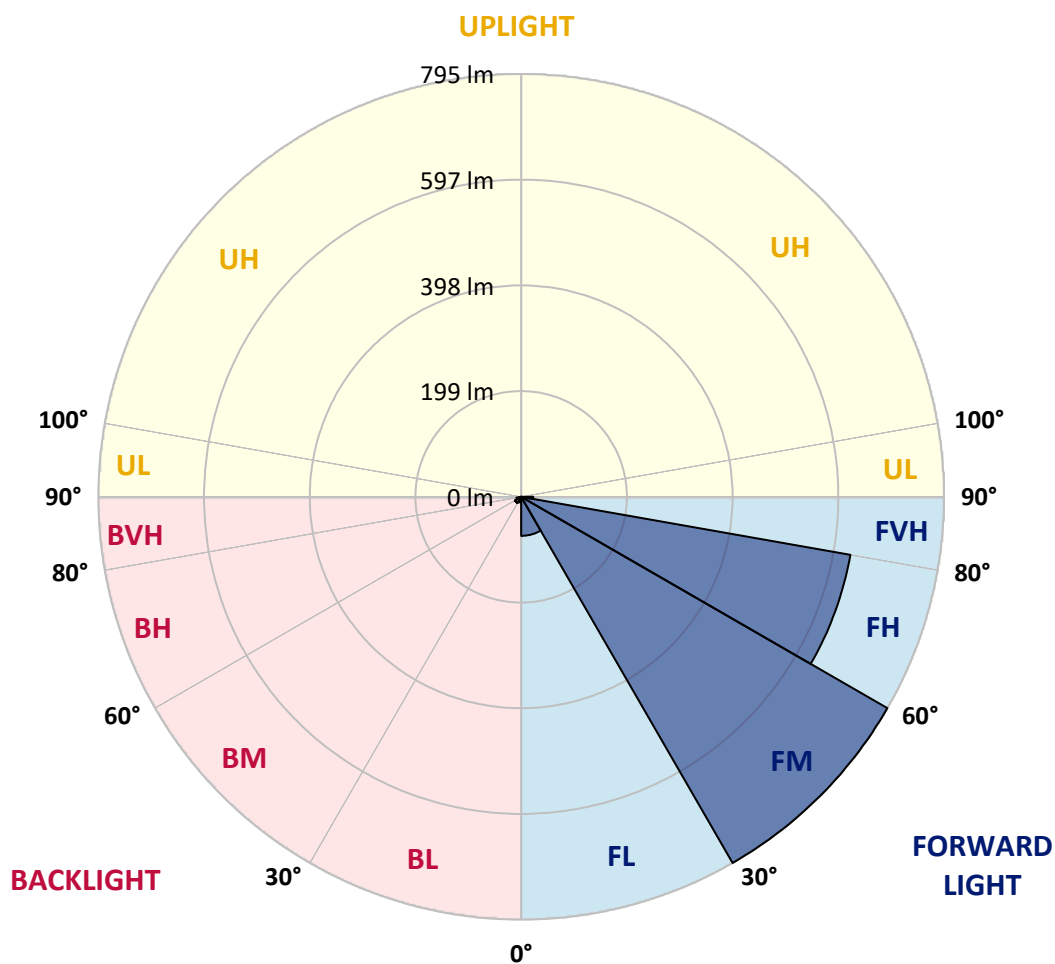
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.4	4.7			
FM	(30°-60°)	795.4	51.2			
FH	(60°-80°)	628.8	40.5			G0/660
FVH	(80°-90°)	22.6	1.5			G1/100
BL	(0°-30°)	10.6	0.7	B0/110		
BM	(30°-60°)	13.3	0.9	B0/220		
BH	(60°-80°)	9.0	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°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	77.9	78.8	78.2	76.8	75.1	72.8	70.9	70.9	70.6	69.7	70.1
5°	102.2	102.5	101.3	97.9	94.9	90.1	84.7	84.1	83.6	82.7	82.5
7.5°	125.9	127.0	125.9	122.3	116.1	108.7	100.2	99.4	97.7	97.7	96.6
10°	150.3	150.3	149.1	144.9	139.2	128.7	118.0	116.6	114.6	114.1	112.3
12.5°	167.5	167.5	166.8	164.7	160.1	150.8	137.8	136.4	133.9	133.0	131.0
15°	174.2	174.2	174.5	176.5	176.8	172.5	159.0	157.8	155.3	153.1	152.2
17.5°	178.4	178.1	178.1	181.0	186.1	188.9	180.1	179.0	176.2	175.0	172.2
20°	187.8	187.3	185.5	185.5	190.3	200.2	200.2	199.9	196.8	196.0	194.5
22.5°	201.6	201.0	196.0	191.7	194.0	206.4	218.0	217.4	216.3	215.1	214.3
25°	224.1	222.2	213.5	201.0	199.1	212.3	231.5	233.0	233.8	233.8	234.4
27.5°	258.3	255.9	240.3	217.1	208.4	222.0	246.5	249.3	251.8	252.4	254.9
30°	305.8	301.2	279.0	245.1	225.1	236.1	268.5	271.6	275.3	276.5	280.4
32.5°	383.7	381.1	359.7	308.9	266.0	263.7	299.3	303.2	308.1	310.1	314.8
35°	502.3	502.9	485.4	439.6	380.3	349.3	354.4	357.7	359.5	365.4	367.9
37.5°	582.8	584.2	588.2	570.1	527.8	496.1	456.3	460.0	451.2	452.0	452.3
40°	626.8	631.4	654.5	672.0	668.6	650.3	618.3	620.3	603.9	600.3	582.5
42.5°	656.2	662.2	699.2	753.4	781.0	797.6	790.4	789.4	776.8	771.9	757.0
45°	674.5	679.9	726.5	806.4	870.3	918.8	938.9	941.1	930.4	925.6	913.2
47.5°	673.7	679.9	729.9	826.2	920.2	997.8	1054.3	1057.2	1063.6	1059.4	1060.2
50°	636.5	642.4	692.6	792.5	905.5	1034.0	1137.3	1146.4	1156.8	1163.8	1167.3
52.5°	591.3	595.5	640.1	735.0	842.8	1019.1	1186.4	1202.0	1217.5	1230.8	1240.1
55°	574.6	579.4	614.4	693.2	792.5	956.4	1209.3	1232.2	1254.2	1276.0	1293.8
57.5°	583.3	587.9	613.0	673.5	762.7	890.3	1215.9	1251.4	1287.6	1322.9	1357.8
60°	615.5	620.3	641.8	691.8	754.7	852.1	1190.5	1249.4	1309.5	1371.1	1429.0
62.5°	602.8	604.8	636.5	723.9	811.2	819.7	1098.1	1180.5	1272.3	1367.2	1460.6
63°	590.7	593.0	625.2	715.2	828.4	814.9	1069.5	1156.6	1253.4	1355.6	1457.2
65°	535.6	536.0	560.5	631.6	809.2	823.3	942.5	1025.5	1136.8	1259.3	1387.8
67.5°	399.8	397.8	421.6	475.8	635.3	823.6	808.9	855.5	933.0	1041.7	1156.8
70°	141.8	138.7	177.0	252.1	395.9	673.7	695.1	698.2	719.7	778.4	850.8
72.5°	46.0	46.8	56.5	92.3	182.4	453.5	629.3	619.8	614.1	613.9	623.4
75°	18.3	18.7	22.6	40.9	81.9	218.5	551.2	556.6	558.5	561.3	564.5
77.5°	8.7	9.6	12.7	22.9	40.6	108.2	394.4	439.9	465.9	485.9	498.0
80°	3.1	3.6	7.0	14.1	19.0	49.7	207.8	250.8	288.8	338.0	380.3
82.5°	0.0	0.0	1.5	9.8	10.5	20.0	85.3	100.0	114.4	148.2	190.3
85°	0.0	0.0	0.0	2.8	3.1	3.4	28.8	34.7	39.0	45.5	52.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.7	4.2	6.5
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	69.4	69.2	69.2	68.6	68.3	67.8	67.5	66.6	66.3	66.3	66.3
5°	82.2	81.0	80.5	79.1	78.2	77.9	76.5	76.0	75.1	75.4	74.0
7.5°	96.3	94.3	93.5	91.5	90.9	88.9	88.4	86.9	86.1	84.5	83.8
10°	111.8	109.2	107.9	104.8	103.9	102.5	100.8	99.1	97.7	96.0	95.1
12.5°	129.6	127.4	126.2	122.0	120.0	118.0	115.8	113.5	111.3	109.8	107.9
15°	150.5	146.8	145.7	141.8	138.3	135.9	132.7	129.8	128.2	125.4	123.4
17.5°	171.1	167.5	166.6	160.6	157.0	155.3	151.9	148.2	145.2	142.3	139.2
20°	191.7	189.2	186.9	181.2	177.3	174.5	169.9	166.3	163.7	159.8	155.9
22.5°	212.3	209.7	208.1	202.2	198.5	194.5	190.6	186.6	183.0	178.1	173.7
25°	233.5	231.8	231.0	225.6	222.2	218.5	214.6	210.1	205.6	200.2	195.4
27.5°	255.5	256.1	254.4	253.3	249.6	247.0	240.8	237.7	234.4	227.9	222.0
30°	283.5	285.2	284.7	285.5	283.2	281.6	276.7	272.7	268.8	262.6	255.9
32.5°	318.8	321.0	322.2	325.3	324.1	323.6	322.2	316.5	313.7	303.0	300.1
35°	373.3	372.1	377.0	379.5	378.3	377.8	376.1	373.0	369.6	362.0	354.9
37.5°	444.1	445.3	446.9	441.9	438.5	438.2	433.2	430.1	425.2	416.8	408.3
40°	574.0	566.9	559.1	537.6	528.3	522.9	508.0	503.7	495.5	483.9	475.2
42.5°	742.9	735.9	712.1	676.3	657.1	630.5	618.3	603.4	591.8	573.0	562.7
45°	910.6	890.3	887.5	845.7	822.0	786.9	765.2	740.1	713.8	688.9	670.9
47.5°	1052.0	1047.6	1033.7	1008.3	986.3	956.9	928.9	890.3	863.2	827.9	795.4
50°	1165.3	1165.0	1159.9	1145.3	1126.9	1103.2	1078.7	1045.9	1015.1	971.9	937.1
52.5°	1250.1	1254.5	1256.2	1251.7	1244.7	1223.7	1211.3	1183.9	1157.9	1121.2	1083.7
55°	1312.1	1328.8	1337.2	1346.8	1344.9	1337.5	1337.0	1319.2	1307.4	1278.2	1251.7
57.5°	1388.9	1416.3	1442.6	1489.1	1490.9	1507.3	1515.8	1524.1	1526.4	1514.8	1506.1
60°	1486.6	1542.5	1592.2	1689.6	1715.0	1755.1	1781.1	1809.3	1833.4	1835.3	1834.7
62.5°	1555.5	1641.7	1721.9	1866.4	1915.8	1962.1	1996.9	2024.2	2040.9	2057.8	2065.7
63°	1557.5	1651.8	1737.1	1886.1	1938.1	1982.2	2015.2	2040.6	2058.1	2068.3	2073.4
65°	1509.7	1624.1	1725.8	1874.3	1923.1	1967.5	1984.7	2001.3	2009.8	2013.8	1998.9
67.5°	1279.7	1391.5	1510.1	1676.1	1717.8	1771.0	1785.1	1793.6	1797.5	1796.7	1783.9
70°	956.9	1050.7	1182.5	1372.2	1427.6	1479.6	1511.7	1525.6	1530.1	1528.7	1509.7
72.5°	668.1	723.1	831.8	1043.0	1118.4	1185.1	1224.9	1245.5	1249.7	1241.2	1223.7
75°	561.0	563.8	588.4	703.9	774.5	845.7	890.6	903.5	895.0	869.4	824.8
77.5°	500.9	507.2	507.2	524.4	538.1	557.9	562.2	530.6	493.9	446.4	408.0
80°	420.1	441.9	457.1	469.8	471.3	467.3	456.9	439.1	410.9	374.7	334.6
82.5°	255.2	298.1	315.6	381.1	413.4	435.1	433.5	409.7	388.3	350.7	316.5
85°	64.4	69.4	75.4	97.9	109.8	134.1	149.3	156.5	159.0	146.0	132.1
87.5°	6.2	4.2	7.0	5.4	7.7	5.6	7.7	7.0	8.7	9.3	10.2
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	65.8	65.5	65.2	65.0	64.7	64.4	63.8	63.8	63.2	63.0	62.7
5°	73.2	72.5	72.3	71.7	70.9	70.3	69.4	68.3	67.5	67.2	66.6
7.5°	82.5	81.0	80.5	79.6	78.4	76.8	75.6	74.8	73.4	72.5	70.9
10°	92.8	91.5	89.7	88.1	86.4	84.5	83.0	81.9	79.6	78.4	76.5
12.5°	106.2	103.6	101.7	99.4	97.1	94.9	93.2	89.7	87.8	85.3	83.6
15°	119.7	117.5	115.2	112.3	109.0	105.3	103.6	100.5	97.9	94.0	91.8
17.5°	136.1	131.8	128.5	125.1	122.0	118.5	115.2	110.4	106.7	103.3	98.9
20°	152.2	147.2	143.4	139.0	134.4	129.0	125.1	121.7	116.6	112.1	107.3
22.5°	169.4	164.4	158.4	153.9	147.7	143.4	138.0	132.4	127.4	121.5	115.4
25°	190.3	185.0	178.1	172.2	165.2	159.3	152.7	146.2	140.0	133.3	125.7
27.5°	216.0	210.4	203.0	196.0	186.6	179.3	173.1	164.4	156.5	148.0	139.2
30°	248.5	242.3	233.3	223.1	213.8	205.6	196.8	185.2	176.5	166.3	155.0
32.5°	290.9	283.5	271.3	261.8	250.2	239.5	227.3	215.8	203.3	190.1	177.0
35°	344.1	337.4	323.3	309.2	296.5	283.7	268.5	255.2	237.7	221.7	205.0
37.5°	399.6	387.4	374.4	359.2	343.3	328.1	309.4	291.1	271.1	253.6	232.6
40°	462.8	448.1	437.4	421.0	398.7	377.0	359.7	336.9	311.7	288.3	263.7
42.5°	549.4	533.1	513.9	489.0	473.0	447.6	425.2	398.1	365.1	338.9	309.2
45°	649.7	627.4	608.8	584.8	565.3	533.7	507.7	471.5	438.5	404.0	367.9
47.5°	764.0	736.4	709.3	685.6	654.5	623.4	590.4	552.0	509.6	471.8	428.9
50°	895.3	856.1	818.5	788.1	745.4	709.5	673.7	630.5	583.6	540.1	491.3
52.5°	1041.3	995.9	946.2	899.3	849.9	803.8	760.7	711.0	658.8	605.7	551.2
55°	1217.5	1183.3	1124.9	1065.4	999.3	937.7	882.1	820.5	757.0	687.3	629.9
57.5°	1493.4	1476.7	1427.9	1368.3	1282.2	1207.4	1113.1	1037.6	945.6	849.6	775.6
60°	1867.3	1846.6	1819.3	1771.0	1702.6	1600.9	1497.1	1379.9	1239.8	1106.8	980.6
62.5°	2066.6	2059.3	2036.9	2003.6	1939.8	1859.6	1754.8	1626.1	1468.0	1306.4	1145.5
63°	2072.5	2063.2	2044.0	2010.2	1953.9	1876.3	1773.5	1648.4	1493.7	1329.0	1164.8
65°	1992.3	1988.6	1969.1	1932.2	1893.8	1834.5	1754.8	1647.3	1517.4	1361.9	1198.3
67.5°	1767.0	1756.0	1726.0	1714.7	1688.0	1646.7	1586.0	1512.0	1419.2	1296.9	1155.6
70°	1494.5	1478.1	1440.6	1420.5	1387.8	1361.9	1324.9	1272.0	1214.7	1129.4	1024.1
72.5°	1205.7	1171.8	1137.3	1085.1	1039.4	993.1	952.1	914.8	851.9	817.4	737.5
75°	783.0	721.5	662.4	583.3	512.2	449.2	388.0	356.9	292.2	266.0	228.4
77.5°	371.6	337.1	290.9	254.9	209.2	170.8	139.5	104.8	82.2	64.4	49.1
80°	299.9	270.8	242.8	210.4	176.0	140.3	107.6	80.5	57.0	39.5	28.0
82.5°	267.4	235.8	201.3	179.0	155.5	127.4	104.5	85.3	63.0	46.0	31.3
85°	103.9	87.6	67.5	55.0	42.9	35.3	31.9	22.1	17.2	13.6	10.5
87.5°	9.0	7.4	5.9	3.9	4.2	2.3	2.6	1.7	1.5	1.5	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	62.4	62.1	61.9	61.2	61.2	60.7	60.4	60.1	58.8	55.6	53.1
5°	65.5	65.0	64.4	63.5	63.0	62.1	61.6	60.7	57.6	51.7	46.6
7.5°	70.1	68.9	68.1	66.3	65.5	64.4	63.5	62.1	57.0	48.0	40.9
10°	75.4	73.4	72.0	70.1	68.3	66.9	65.5	63.5	56.5	44.0	35.9
12.5°	81.9	79.6	76.8	74.5	72.3	70.3	68.3	65.8	55.6	40.6	31.9
15°	88.4	85.0	83.0	79.9	76.8	74.0	71.2	68.9	56.0	37.0	28.5
17.5°	95.8	92.3	88.1	84.7	81.3	77.6	74.3	69.7	54.5	34.2	26.0
20°	102.8	97.9	94.0	89.7	85.0	80.5	76.3	72.3	53.4	31.3	23.7
22.5°	110.4	104.8	99.7	94.3	88.4	83.3	78.2	73.2	51.4	28.8	21.8
25°	119.7	113.3	105.9	99.4	93.2	86.9	80.5	74.3	49.4	26.5	20.3
27.5°	131.0	122.6	115.2	107.0	98.2	90.4	83.3	76.5	47.5	24.9	19.0
30°	145.4	135.5	125.1	114.6	105.3	96.3	86.4	77.9	45.5	23.1	17.5
32.5°	164.7	152.2	139.5	127.4	114.9	103.3	92.8	81.9	44.4	21.8	16.1
35°	190.1	173.9	158.4	143.1	128.2	114.1	100.5	88.1	44.4	20.0	14.4
37.5°	214.0	195.4	175.6	156.7	139.0	122.6	106.4	91.5	42.1	18.7	13.0
40°	240.0	217.7	194.5	172.2	150.8	130.5	112.1	94.9	40.1	16.9	11.6
42.5°	279.8	251.6	221.3	195.4	169.7	144.6	121.7	101.3	37.5	15.2	10.2
45°	332.0	296.2	260.6	229.0	196.3	165.5	138.3	113.3	37.0	13.9	8.7
47.5°	388.0	345.6	303.8	263.4	225.1	189.2	156.7	126.5	37.0	12.4	7.7
50°	443.6	390.5	345.9	299.1	255.9	213.5	174.8	140.3	37.3	11.3	6.2
52.5°	493.9	437.1	387.2	332.8	285.2	236.1	194.0	153.9	36.7	9.8	5.1
55°	563.6	497.0	439.1	379.2	323.3	268.0	220.2	174.2	37.0	8.7	4.2
57.5°	692.0	613.9	544.1	465.6	401.2	329.8	271.9	216.0	40.4	7.4	3.1
60°	876.5	774.8	676.8	581.1	499.2	414.2	339.1	273.4	47.5	5.9	2.3
62.5°	1000.4	867.4	750.5	644.9	549.7	460.8	379.0	304.1	52.2	4.8	1.5
63°	1013.1	875.5	758.1	649.1	552.0	463.1	380.6	306.3	52.5	4.6	1.5
65°	1037.1	889.7	762.4	649.9	549.7	460.0	379.5	306.1	53.1	3.6	1.1
67.5°	1009.7	868.0	737.8	625.7	529.9	441.7	365.4	294.8	52.8	2.6	0.8
70°	903.0	785.5	671.2	566.7	479.7	399.8	332.6	268.8	48.6	1.7	0.5
72.5°	663.0	583.1	494.4	419.1	361.5	300.1	256.1	201.9	37.5	1.1	0.3
75°	196.5	179.0	150.5	132.7	117.2	96.9	86.1	67.2	19.2	0.5	0.0
77.5°	39.3	35.5	31.9	29.1	27.4	23.4	22.3	18.3	7.9	0.3	0.0
80°	20.6	16.9	14.4	12.7	11.0	9.0	7.7	6.2	1.5	0.0	0.0
82.5°	19.8	13.3	9.6	7.9	6.7	5.4	4.2	3.1	0.8	0.0	0.0
85°	7.4	5.6	4.2	3.4	2.8	2.6	2.0	1.7	0.0	0.0	0.0
87.5°	1.1	0.8	0.8	0.5	0.5	0.3	0.3	0.3	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°	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	50.6	48.3	47.2	45.7	45.7	45.5	46.0
5°	42.1	39.0	36.7	35.0	35.3	34.4	34.7
7.5°	35.5	32.4	30.5	29.3	29.1	28.8	28.8
10°	30.8	28.0	26.2	25.4	25.2	25.2	25.2
12.5°	27.4	24.6	23.1	22.6	22.6	22.3	22.3
15°	24.6	22.3	20.9	20.3	20.3	20.0	20.3
17.5°	22.3	20.0	19.0	18.3	18.3	18.0	18.0
20°	20.3	18.3	17.2	16.4	16.4	16.1	16.4
22.5°	18.7	16.7	15.2	14.7	14.4	14.1	14.4
25°	16.9	14.9	13.6	12.7	12.4	12.4	12.1
27.5°	15.5	13.6	11.8	11.0	10.8	10.8	10.5
30°	14.1	11.8	10.2	9.3	9.0	9.0	9.0
32.5°	12.7	10.2	8.7	7.9	7.7	7.7	7.7
35°	11.3	8.7	7.4	6.5	6.2	6.2	6.2
37.5°	9.6	7.4	5.6	5.1	4.8	4.6	4.6
40°	8.2	5.6	4.2	3.6	3.1	3.1	3.1
42.5°	6.7	4.6	3.1	2.3	2.0	1.7	2.0
45°	5.6	3.4	2.0	1.1	0.8	0.8	0.8
47.5°	4.6	2.3	0.8	0.3	0.3	0.3	0.3
50°	3.4	1.5	0.3	0.0	0.0	0.3	0.3
52.5°	2.6	0.8	0.0	0.0	0.0	0.0	0.0
55°	1.5	0.3	0.0	0.0	0.0	0.0	0.0
57.5°	0.8	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°	0.3	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.3	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)