

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: P149289

Luminaire Tested: **VXS-E01-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149289  
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-E01-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: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

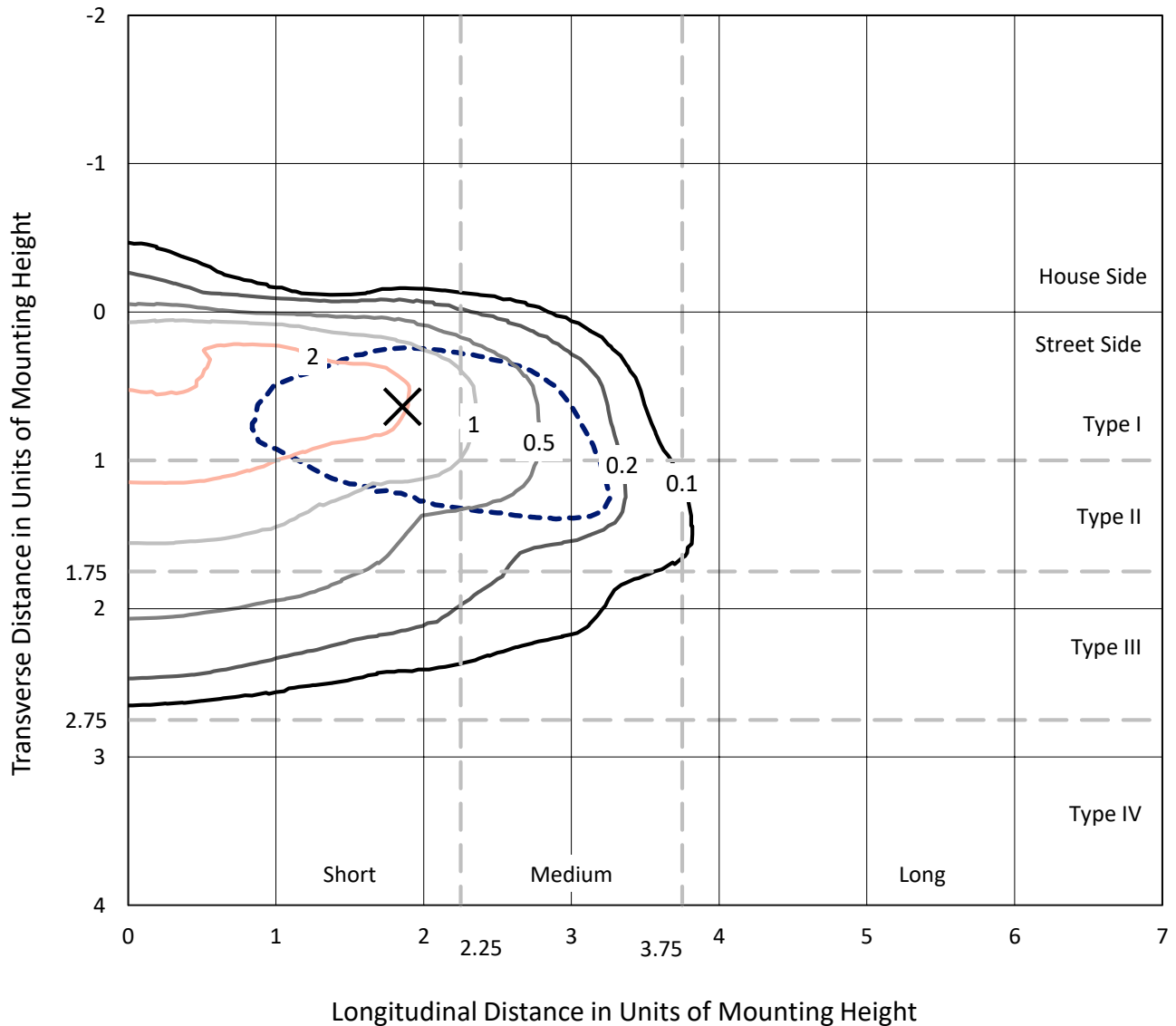
Lumens per Lamp: N/A  
Luminaire Lumens: 1674.7 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (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

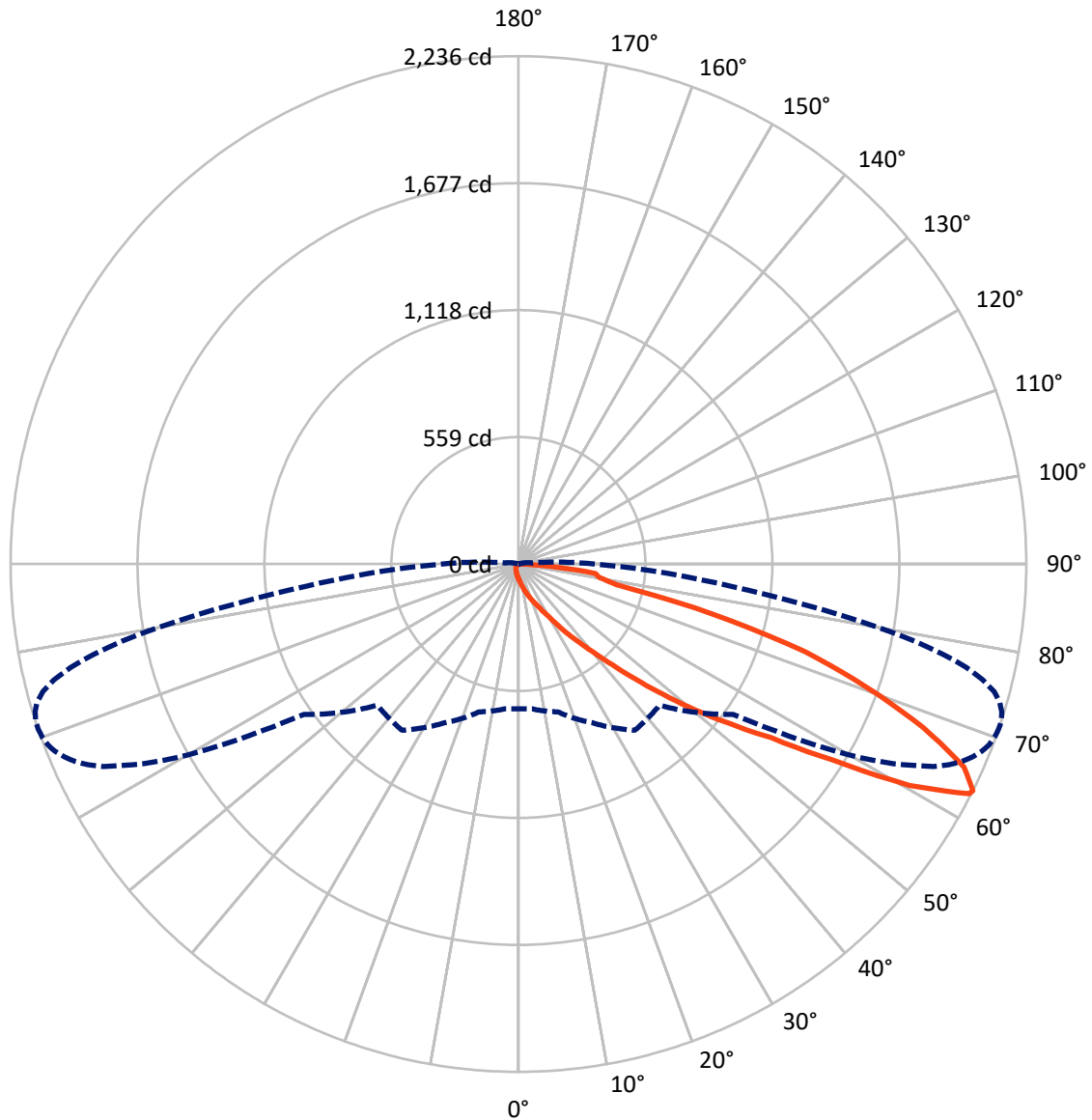
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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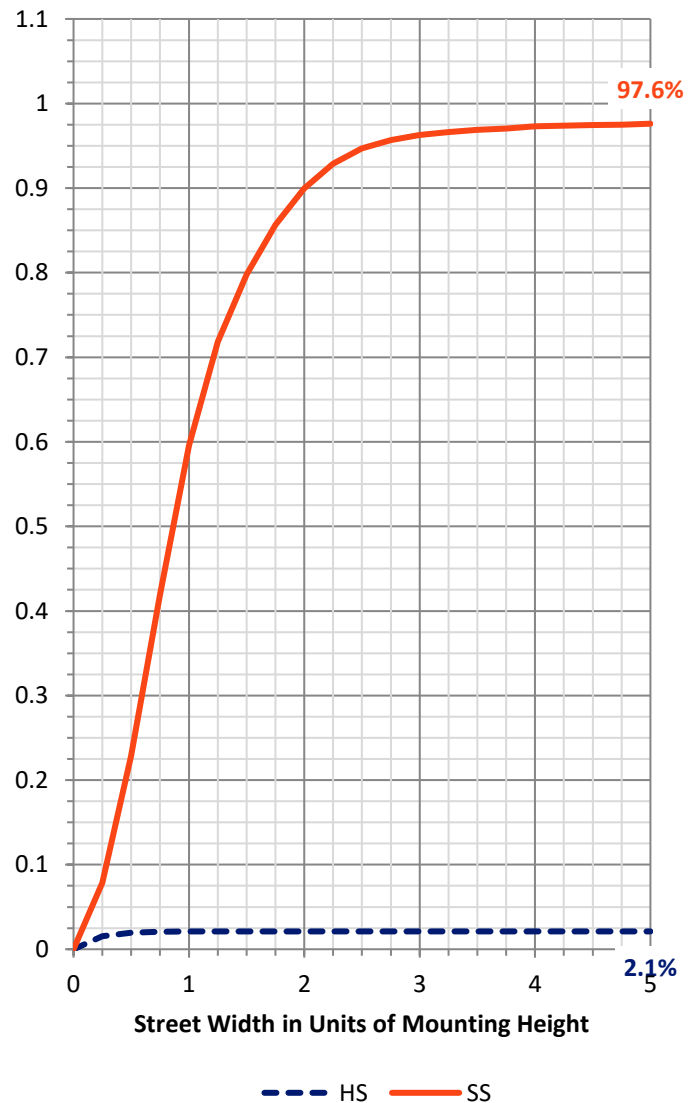
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	35.6	0.0	35.6
	% Fixture	2.1	0.0	2.1
<b>Street Side</b>	Lumens	1639.1	0.0	1639.1
	% Fixture	97.9	0.0	97.9
<b>Total</b>	Lumens	1674.7	0.0	1674.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.4
10°-20°	27.5	1.6
20°-30°	55.9	3.3
30°-40°	136.6	8.2
40°-50°	305.6	18.2
50°-60°	429.7	25.7
60°-70°	505.3	30.2
70°-80°	182.5	10.9
80°-90°	24.4	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°	1674.7	100.0
0°-180°	1674.7	100.0



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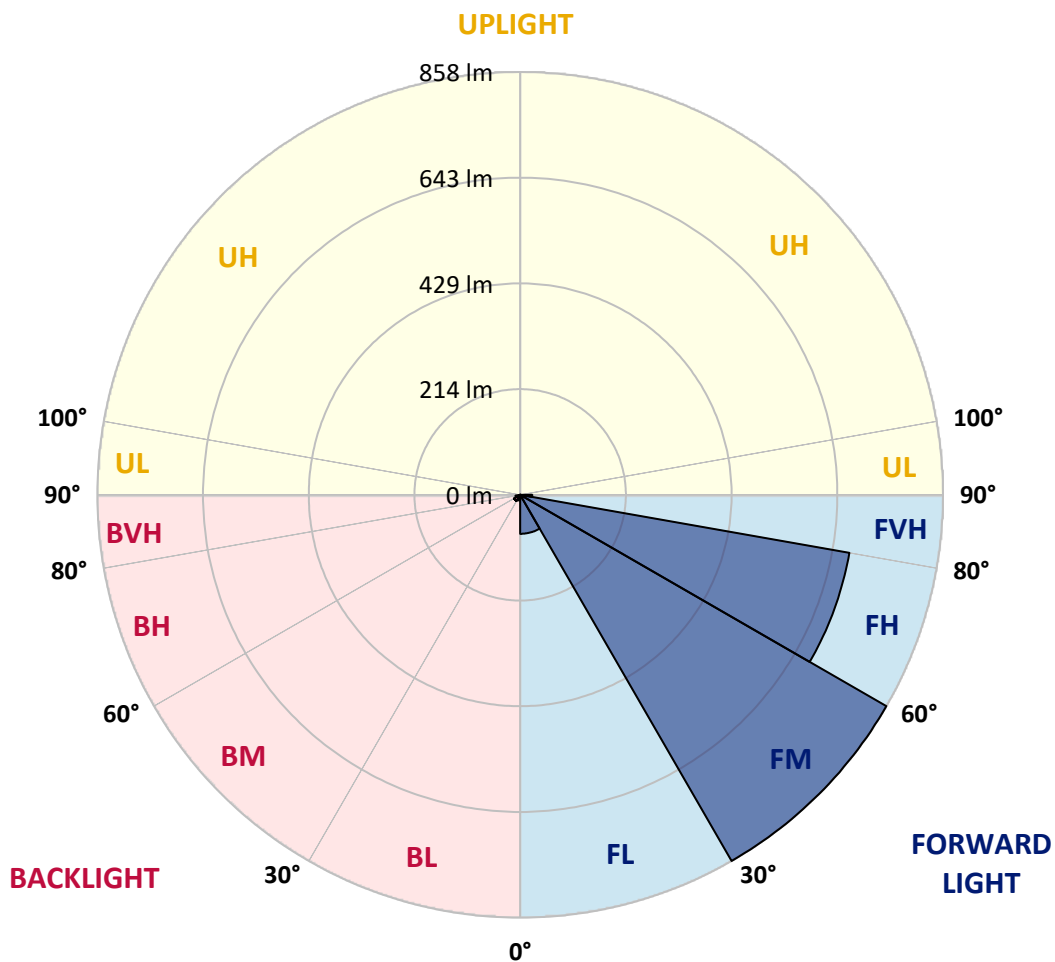
CATALOG NUMBER: VXS-E01-LED-E1-SL2-HSS-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.1	4.7			
FM (30°-60°)	857.6	51.2			
FH (60°-80°)	678.0	40.5			G1/1800
FVH (80°-90°)	24.3	1.5			G1/100
BL (0°-30°)	11.4	0.7	B0/110		
BM (30°-60°)	14.3	0.9	B0/220		
BH (60°-80°)	9.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	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°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	84.0	85.0	84.4	82.8	80.9	78.5	76.4	76.4	76.1	75.2	75.5
5°	110.3	110.5	109.3	105.6	102.3	97.1	91.3	90.8	90.2	89.2	88.9
7.5°	135.8	137.0	135.8	131.8	125.1	117.2	108.1	107.2	105.4	105.4	104.1
10°	162.0	162.0	160.7	156.2	150.1	138.9	127.3	125.7	123.6	123.0	121.1
12.5°	180.5	180.5	179.9	177.5	172.6	162.6	148.6	147.0	144.4	143.4	141.2
15°	187.9	187.9	188.2	190.3	190.6	186.0	171.4	170.2	167.5	165.0	164.1
17.5°	192.4	192.1	192.1	195.1	200.6	203.6	194.2	193.1	189.9	188.8	185.7
20°	202.5	201.9	200.0	200.0	205.2	215.9	215.9	215.5	212.2	211.3	209.7
22.5°	217.4	216.8	211.3	206.7	209.1	222.6	235.0	234.4	233.2	232.0	231.1
25°	241.8	239.6	230.2	216.8	214.6	228.9	249.6	251.2	252.1	252.1	252.6
27.5°	278.5	275.9	259.1	234.1	224.7	239.3	265.8	268.8	271.6	272.2	274.9
30°	329.7	324.9	300.8	264.2	242.7	254.5	289.5	292.8	296.8	298.0	302.3
32.5°	413.8	411.0	387.9	333.1	286.8	284.4	322.7	326.9	332.1	334.3	339.5
35°	541.7	542.2	523.3	474.0	410.1	376.6	382.1	385.7	387.6	394.0	396.7
37.5°	628.4	629.9	634.2	614.7	569.0	534.9	492.0	496.0	486.5	487.5	487.8
40°	675.9	680.7	705.7	724.6	720.9	701.1	666.7	668.9	651.2	647.3	628.1
42.5°	707.6	713.9	753.8	812.2	842.1	860.1	852.1	851.2	837.5	832.3	816.3
45°	727.4	733.2	783.3	869.5	938.3	990.7	1012.3	1014.7	1003.2	998.0	984.6
47.5°	726.4	733.2	787.0	890.8	992.2	1076.0	1136.8	1139.9	1146.8	1142.3	1143.2
50°	686.2	692.6	746.8	854.6	976.4	1114.9	1226.3	1236.1	1247.4	1254.9	1258.5
52.5°	637.5	642.1	690.2	792.4	908.8	1098.8	1279.3	1296.1	1312.7	1327.0	1337.1
55°	619.6	624.8	662.5	747.5	854.6	1031.2	1303.9	1328.6	1352.3	1375.9	1395.0
57.5°	629.0	633.9	660.9	726.1	822.3	959.9	1311.0	1349.3	1388.3	1426.3	1464.1
60°	663.7	668.9	692.0	745.9	813.8	918.9	1283.5	1347.2	1412.0	1478.4	1540.8
62.5°	650.1	652.1	686.2	780.6	874.7	883.8	1184.0	1273.0	1371.8	1474.2	1574.9
63°	636.9	639.4	674.1	771.2	893.3	878.7	1153.3	1247.0	1351.5	1461.7	1571.3
65°	577.5	577.8	604.4	681.0	872.5	887.8	1016.3	1105.8	1225.7	1357.8	1496.4
67.5°	431.1	429.0	454.5	513.0	685.0	888.1	872.2	922.5	1005.9	1123.1	1247.4
70°	152.8	149.5	190.9	271.9	426.8	726.4	749.5	753.0	776.1	839.4	917.3
72.5°	49.6	50.6	60.9	99.6	196.7	488.9	678.7	668.3	662.2	661.9	672.2
75°	19.8	20.1	24.4	44.1	88.3	235.6	594.3	600.1	602.2	605.3	608.6
77.5°	9.4	10.4	13.7	24.7	43.8	116.6	425.3	474.3	502.4	523.9	537.1
80°	3.3	3.9	7.6	15.2	20.4	53.6	224.0	270.4	311.5	364.5	410.1
82.5°	0.0	0.0	1.6	10.7	11.3	21.7	91.9	107.8	123.3	159.8	205.2
85°	0.0	0.0	0.0	3.0	3.3	3.6	31.1	37.4	42.0	49.0	56.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	1.9	4.6	7.0
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	74.9	74.6	74.6	74.0	73.7	73.1	72.7	71.8	71.5	71.5	71.5
5°	88.6	87.4	86.7	85.3	84.4	84.0	82.5	81.9	80.9	81.2	79.8
7.5°	103.8	101.7	100.7	98.7	98.0	95.9	95.3	93.8	92.8	91.0	90.5
10°	120.5	117.8	116.3	113.0	112.0	110.5	108.7	106.8	105.4	103.5	102.6
12.5°	139.8	137.3	136.1	131.5	129.4	127.3	124.9	122.4	120.0	118.4	116.3
15°	162.3	158.3	157.1	152.8	149.2	146.4	143.1	140.0	138.2	135.1	133.1
17.5°	184.5	180.5	179.6	173.3	169.2	167.5	163.8	159.8	156.5	153.5	150.1
20°	206.7	203.9	201.6	195.4	191.2	188.2	183.3	179.3	176.6	172.3	168.1
22.5°	228.9	226.2	224.4	218.0	214.0	209.7	205.5	201.2	197.3	192.1	187.3
25°	251.8	249.9	249.0	243.2	239.6	235.6	231.4	226.5	221.7	215.9	210.7
27.5°	275.5	276.2	274.3	273.1	269.1	266.4	259.7	256.4	252.6	245.7	239.3
30°	305.7	307.5	306.8	307.8	305.4	303.5	298.3	294.1	289.8	283.1	275.9
32.5°	343.7	346.1	347.4	350.8	349.5	348.9	347.4	341.2	338.2	326.6	323.6
35°	402.5	401.2	406.4	409.2	408.0	407.4	405.5	402.2	398.5	390.3	382.7
37.5°	478.9	480.1	482.0	476.5	472.8	472.5	467.0	463.6	458.5	449.3	440.2
40°	619.0	611.3	602.8	579.7	569.6	563.8	547.7	543.1	534.3	521.9	512.4
42.5°	801.0	793.4	767.8	729.1	708.5	679.8	666.7	650.6	638.1	617.7	606.7
45°	981.9	959.9	956.9	911.8	886.2	848.5	825.1	797.9	769.6	742.9	723.4
47.5°	1134.4	1129.5	1114.6	1087.2	1063.4	1031.8	1001.7	959.9	930.7	892.6	857.6
50°	1256.5	1256.2	1250.7	1234.8	1215.0	1189.5	1163.0	1127.7	1094.5	1047.9	1010.5
52.5°	1347.8	1352.6	1354.5	1349.6	1342.0	1319.5	1306.1	1276.6	1248.6	1209.0	1168.5
55°	1414.8	1432.7	1441.9	1452.2	1450.1	1442.2	1441.6	1422.4	1409.6	1378.2	1349.6
57.5°	1497.6	1527.2	1555.4	1605.7	1607.5	1625.2	1634.3	1643.4	1645.9	1633.4	1623.9
60°	1602.9	1663.2	1716.8	1821.9	1849.2	1892.4	1920.5	1950.9	1976.8	1979.0	1978.3
62.5°	1677.2	1770.1	1856.6	2012.4	2065.7	2115.6	2153.1	2182.6	2200.5	2218.9	2227.4
63°	1679.4	1781.0	1873.0	2033.7	2089.7	2137.2	2172.8	2200.3	2219.2	2230.1	2235.5
65°	1627.9	1751.2	1860.8	2020.9	2073.6	2121.5	2140.0	2157.9	2167.0	2171.3	2155.2
67.5°	1379.8	1500.3	1628.2	1807.3	1852.2	1909.5	1924.8	1933.9	1938.1	1937.2	1923.5
70°	1031.8	1132.8	1275.0	1479.6	1539.3	1595.3	1630.1	1645.0	1649.8	1648.3	1627.9
72.5°	720.3	779.7	896.9	1124.7	1205.9	1277.8	1320.7	1342.9	1347.5	1338.3	1319.5
75°	605.0	608.0	634.5	759.0	835.1	911.8	960.2	974.2	965.1	937.4	889.3
77.5°	540.1	546.8	546.8	565.4	580.3	601.6	606.1	572.0	532.4	481.3	439.9
80°	453.1	476.5	493.0	506.6	508.1	503.8	492.6	473.5	443.0	404.0	360.7
82.5°	275.2	321.5	340.4	411.0	445.7	469.1	467.4	441.8	418.7	378.1	341.2
85°	69.4	74.9	81.2	105.6	118.4	144.7	161.0	168.7	171.4	157.4	142.5
87.5°	6.7	4.6	7.6	5.8	8.2	6.1	8.2	7.6	9.4	10.1	11.0
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°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	71.0	70.7	70.4	70.1	69.7	69.4	68.8	68.8	68.2	67.9	67.6
5°	78.9	78.2	77.9	77.3	76.4	75.9	74.9	73.7	72.7	72.4	71.8
7.5°	88.9	87.4	86.7	85.9	84.7	82.8	81.6	80.7	79.2	78.2	76.4
10°	100.2	98.7	96.8	95.0	93.2	91.0	89.5	88.3	85.9	84.7	82.5
12.5°	114.5	111.7	109.6	107.2	104.8	102.3	100.5	96.8	94.7	91.9	90.2
15°	129.1	126.6	124.2	121.1	117.5	113.6	111.7	108.4	105.6	101.3	99.0
17.5°	146.7	142.2	138.5	134.9	131.5	127.9	124.2	119.1	115.1	111.4	106.5
20°	164.1	158.7	154.6	149.7	144.9	139.2	134.9	131.2	125.7	120.8	115.6
22.5°	182.7	177.2	170.8	165.9	159.3	154.6	148.9	142.8	137.3	130.9	124.6
25°	205.2	199.4	192.1	185.7	178.1	171.7	164.7	157.7	151.0	143.7	135.4
27.5°	233.0	226.8	218.9	211.3	201.2	193.4	186.6	177.2	168.7	159.5	150.1
30°	267.9	261.2	251.5	240.5	230.5	221.7	212.2	199.7	190.3	179.3	167.2
32.5°	313.6	305.7	292.5	282.2	269.7	258.1	245.1	232.6	219.2	204.9	190.9
35°	371.1	363.8	348.6	333.4	319.7	306.0	289.5	275.2	256.4	239.0	221.0
37.5°	430.8	417.7	403.7	387.3	370.3	353.8	333.7	313.9	292.2	273.4	250.9
40°	499.0	483.2	471.6	453.9	429.8	406.4	387.9	363.2	336.1	310.9	284.4
42.5°	592.4	574.8	554.1	527.4	509.9	482.6	458.5	429.3	393.7	365.4	333.4
45°	700.5	676.5	656.4	630.5	609.5	575.4	547.4	508.4	472.8	435.6	396.7
47.5°	823.8	794.0	764.8	739.2	705.7	672.2	636.6	595.2	549.5	508.7	462.5
50°	965.4	923.1	882.6	849.7	803.7	765.1	726.4	679.8	629.3	582.4	529.7
52.5°	1122.8	1073.8	1020.2	969.6	916.4	866.7	820.2	766.6	710.3	653.1	594.3
55°	1312.7	1276.0	1213.0	1148.7	1077.4	1011.1	951.1	884.8	816.3	741.0	679.3
57.5°	1610.3	1592.2	1539.6	1475.3	1382.5	1301.9	1200.1	1118.9	1019.6	916.1	836.4
60°	2013.4	1991.1	1961.6	1909.5	1835.9	1726.2	1614.2	1487.9	1336.9	1193.5	1057.3
62.5°	2228.3	2220.3	2196.3	2160.4	2091.6	2005.1	1892.1	1753.4	1582.8	1408.7	1235.1
63°	2234.7	2224.7	2203.9	2167.4	2106.8	2023.1	1912.2	1777.4	1610.6	1433.1	1255.9
65°	2148.2	2144.2	2123.2	2083.3	2042.0	1978.0	1892.1	1776.2	1636.2	1468.4	1292.1
67.5°	1905.3	1893.4	1861.1	1848.9	1820.0	1775.5	1710.1	1630.4	1530.2	1398.3	1246.1
70°	1611.5	1593.8	1553.3	1531.7	1496.4	1468.4	1428.5	1371.5	1309.7	1217.8	1104.2
72.5°	1300.0	1263.4	1226.3	1170.1	1120.7	1070.8	1026.6	986.4	918.5	881.3	795.2
75°	844.2	777.8	714.2	629.0	552.2	484.4	418.3	384.9	315.1	286.8	246.3
77.5°	400.6	363.5	313.6	274.9	225.6	184.1	150.4	113.0	88.6	69.4	53.0
80°	323.3	291.9	261.9	226.8	189.6	151.3	116.0	86.7	61.5	42.6	30.2
82.5°	288.3	254.2	217.1	193.1	167.8	137.3	112.6	91.9	67.9	49.6	33.8
85°	112.0	94.4	72.7	59.4	46.3	38.0	34.4	23.7	18.5	14.6	11.3
87.5°	9.7	7.9	6.4	4.2	4.6	2.5	2.7	1.9	1.6	1.6	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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	67.3	66.9	66.6	66.1	66.1	65.5	65.2	64.9	63.3	60.0	57.2
5°	70.7	70.1	69.4	68.5	67.9	66.9	66.3	65.5	62.1	55.8	50.3
7.5°	75.5	74.3	73.4	71.5	70.7	69.4	68.5	66.9	61.5	51.7	44.1
10°	81.2	79.2	77.6	75.5	73.7	72.1	70.7	68.5	60.9	47.5	38.7
12.5°	88.3	85.9	82.8	80.4	77.9	75.9	73.7	71.0	60.0	43.8	34.4
15°	95.3	91.6	89.5	86.1	82.8	79.8	76.7	74.3	60.3	39.9	30.8
17.5°	103.2	99.6	95.0	91.3	87.7	83.7	80.1	75.2	58.8	36.8	28.0
20°	110.8	105.6	101.3	96.8	91.6	86.7	82.2	77.9	57.5	33.8	25.6
22.5°	119.1	113.0	107.5	101.7	95.3	89.8	84.4	78.9	55.4	31.1	23.4
25°	129.1	122.1	114.2	107.2	100.5	93.8	86.7	80.1	53.3	28.6	22.0
27.5°	141.2	132.1	124.2	115.3	105.9	97.4	89.8	82.5	51.2	26.8	20.4
30°	156.8	146.1	134.9	123.6	113.6	103.8	93.2	84.0	49.0	25.0	18.9
32.5°	177.5	164.1	150.4	137.3	123.9	111.4	100.2	88.3	47.8	23.4	17.3
35°	204.9	187.6	170.8	154.4	138.2	123.0	108.4	95.0	47.8	21.7	15.5
37.5°	230.8	210.7	189.3	169.0	149.7	132.1	114.8	98.7	45.4	20.1	14.0
40°	258.8	234.7	209.7	185.7	162.6	140.6	120.8	102.3	43.2	18.2	12.4
42.5°	301.8	271.3	238.7	210.7	183.0	155.9	131.2	109.3	40.5	16.5	11.0
45°	358.0	319.4	281.0	246.9	211.6	178.4	149.2	122.1	39.9	14.9	9.4
47.5°	418.3	372.6	327.6	284.0	242.7	203.9	169.0	136.4	39.9	13.4	8.2
50°	478.3	421.0	373.0	322.4	275.9	230.2	188.5	151.3	40.2	12.2	6.7
52.5°	532.4	471.3	417.4	359.0	307.5	254.5	209.1	165.9	39.6	10.7	5.5
55°	607.7	535.9	473.5	408.9	348.6	288.9	237.5	187.9	39.9	9.4	4.6
57.5°	746.2	661.9	586.6	502.1	432.6	355.6	293.2	233.0	43.5	7.9	3.3
60°	945.0	835.4	729.7	626.5	538.2	446.6	365.6	294.7	51.2	6.4	2.5
62.5°	1078.7	935.2	809.2	695.3	592.7	496.9	408.6	327.9	56.4	5.2	1.6
63°	1092.3	944.1	817.4	699.9	595.2	499.3	410.4	330.4	56.6	4.9	1.6
65°	1118.2	959.3	822.0	700.8	592.7	496.0	409.2	330.1	57.2	3.9	1.2
67.5°	1088.7	935.9	795.5	674.6	571.5	476.2	394.0	317.8	56.9	2.7	0.9
70°	973.7	846.9	723.6	611.0	517.3	431.1	358.7	289.8	52.3	1.9	0.6
72.5°	714.8	628.7	533.1	451.8	389.7	323.6	276.2	217.7	40.5	1.2	0.3
75°	211.9	193.1	162.3	143.1	126.3	104.5	92.8	72.4	20.7	0.6	0.0
77.5°	42.3	38.3	34.4	31.4	29.5	25.3	24.0	19.8	8.5	0.3	0.0
80°	22.2	18.2	15.5	13.7	11.9	9.7	8.2	6.7	1.6	0.0	0.0
82.5°	21.3	14.3	10.4	8.5	7.4	5.8	4.6	3.3	0.9	0.0	0.0
85°	7.9	6.1	4.6	3.6	3.0	2.7	2.2	1.9	0.0	0.0	0.0
87.5°	1.2	0.9	0.9	0.6	0.6	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



REPORT NUMBER: P149289

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**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	54.5	52.0	50.9	49.3	49.3	49.0	49.6
5°	45.4	42.0	39.6	37.7	38.0	37.1	37.4
7.5°	38.3	35.0	32.8	31.7	31.4	31.1	31.1
10°	33.2	30.2	28.3	27.4	27.0	27.0	27.0
12.5°	29.5	26.5	25.0	24.4	24.4	24.0	24.0
15°	26.5	24.0	22.5	22.0	22.0	21.7	22.0
17.5°	24.0	21.7	20.4	19.8	19.8	19.5	19.5
20°	22.0	19.8	18.5	17.6	17.6	17.3	17.6
22.5°	20.1	17.9	16.5	15.9	15.5	15.2	15.5
25°	18.2	16.2	14.6	13.7	13.4	13.4	13.1
27.5°	16.8	14.6	12.7	11.9	11.6	11.6	11.3
30°	15.2	12.7	11.0	10.1	9.7	9.7	9.7
32.5°	13.7	11.0	9.4	8.5	8.2	8.2	8.2
35°	12.2	9.4	7.9	7.0	6.7	6.7	6.7
37.5°	10.4	7.9	6.1	5.5	5.2	4.9	4.9
40°	8.8	6.1	4.6	3.9	3.3	3.3	3.3
42.5°	7.4	4.9	3.3	2.5	2.2	1.9	2.2
45°	6.1	3.6	2.2	1.2	0.9	0.9	0.9
47.5°	4.9	2.5	0.9	0.3	0.3	0.3	0.3
50°	3.6	1.6	0.3	0.0	0.0	0.3	0.3
52.5°	2.7	0.9	0.0	0.0	0.0	0.0	0.0
55°	1.6	0.3	0.0	0.0	0.0	0.0	0.0
57.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.6	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)