

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: P148745

Luminaire Tested: **VXS-F03-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148745
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F03-LED-E1-RW
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7736.7 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 78.3
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

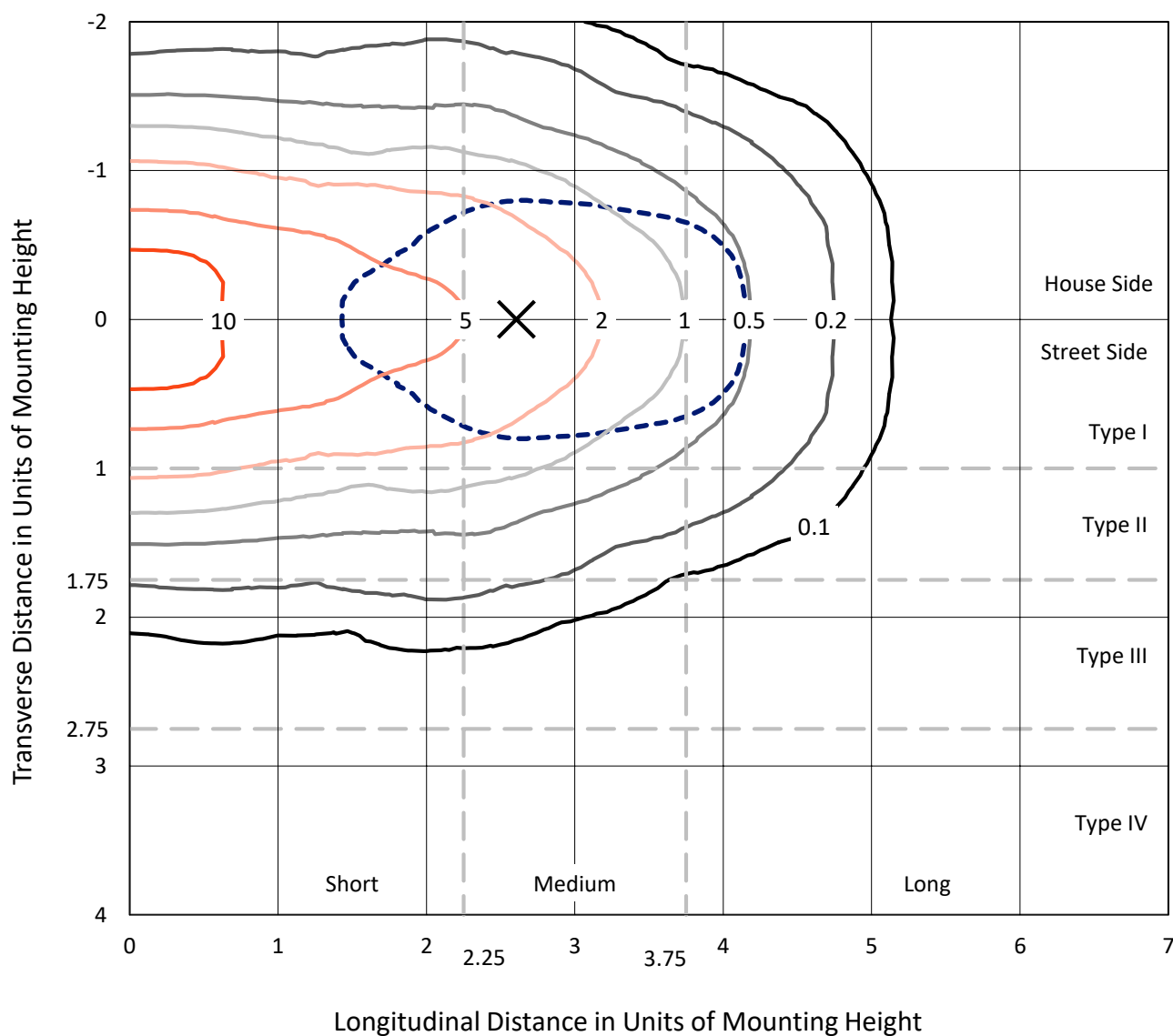


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

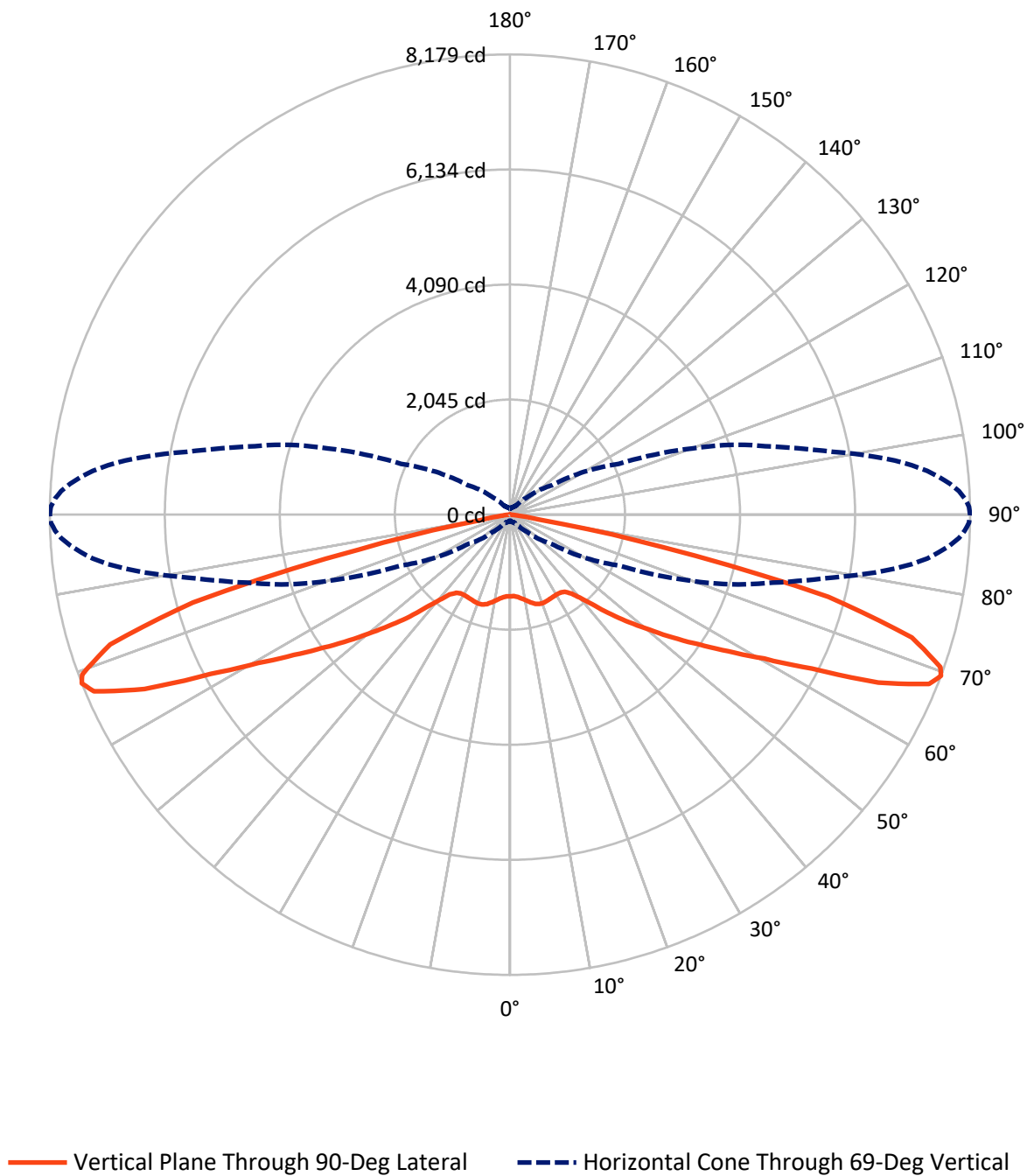


Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type I - Short - Full Cutoff

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CATALOG NUMBER: VXS-F03-LED-E1-RW

Luminous Intensity Polar Plot



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CATALOG NUMBER: VXS-F03-LED-E1-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3868.3	0.0	3868.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3868.3	0.0	3868.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7736.7	0.0	7736.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	1.8
10°-20°	448.6	5.8
20°-30°	726.7	9.4
30°-40°	905.7	11.7
40°-50°	1131.7	14.6
50°-60°	1397.5	18.1
60°-70°	1736.4	22.4
70°-80°	1152.7	14.9
80°-90°	95.2	1.2
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°	7736.7	100.0
0°-180°	7736.7	100.0

Coefficient of Utilization



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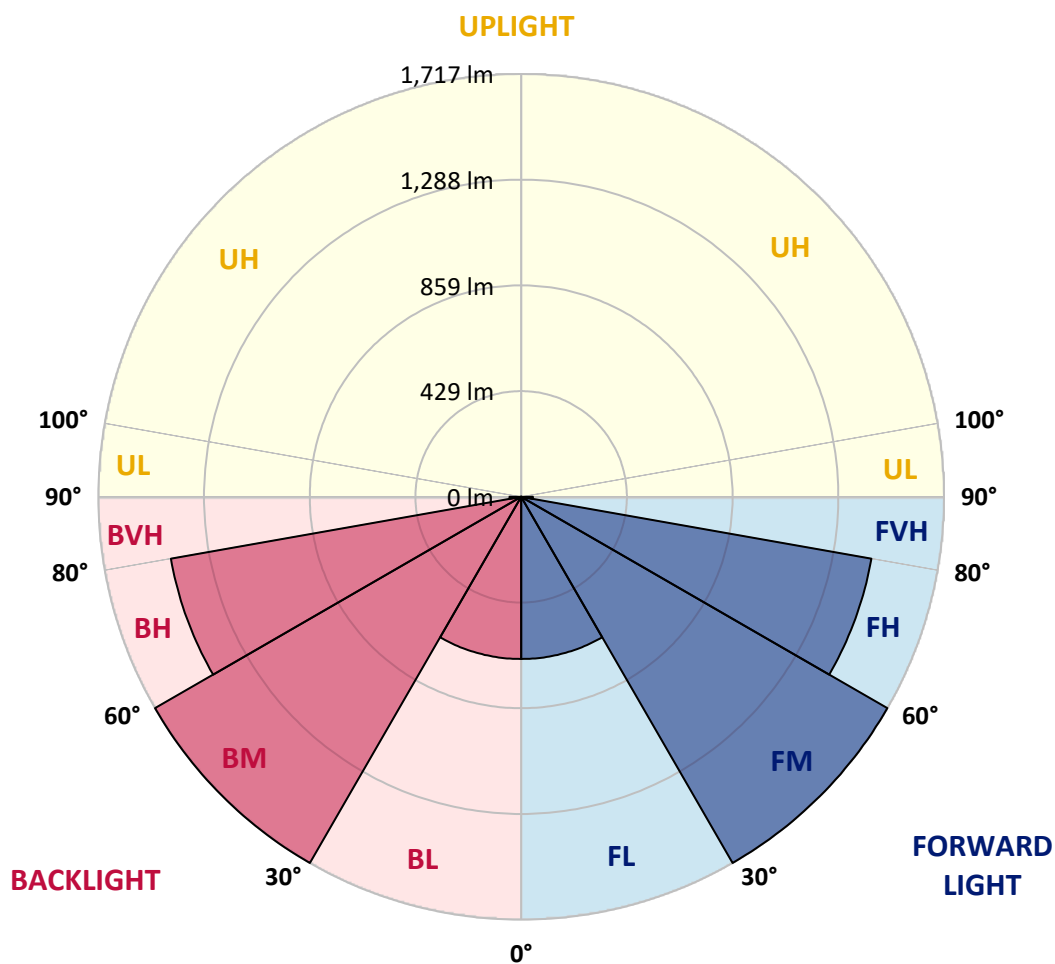
CATALOG NUMBER: VXS-F03-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	658.7	8.5			
FM	(30°-60°)	1717.4	22.2			
FH	(60°-80°)	1444.6	18.7			G1/1800
FVH	(80°-90°)	47.6	0.6			G1/100
BL	(0°-30°)	658.7	8.5	B2/1000		
BM	(30°-60°)	1717.4	22.2	B2/2500		
BH	(60°-80°)	1444.6	18.7	B3/2500		G3/2500
BVH	(80°-90°)	47.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1456.2	1457.5	1456.7	1458.3	1457.8	1457.8	1457.1	1455.4	1455.2	1455.0	1454.8
5°	1470.2	1468.6	1471.0	1473.6	1472.7	1473.2	1472.8	1472.8	1472.6	1472.4	1472.2
7.5°	1485.2	1484.7	1486.4	1493.0	1493.8	1496.3	1499.2	1501.2	1501.3	1501.4	1501.5
10°	1497.9	1498.4	1502.5	1512.0	1516.9	1524.8	1532.6	1538.8	1539.2	1539.6	1540.1
12.5°	1508.2	1508.6	1514.8	1529.7	1541.6	1556.6	1573.4	1583.0	1583.8	1584.6	1585.5
15°	1509.0	1510.3	1521.0	1545.4	1569.3	1593.6	1613.9	1626.8	1627.4	1628.1	1628.7
17.5°	1498.3	1499.2	1517.3	1553.2	1593.3	1631.2	1652.3	1658.0	1658.3	1658.6	1658.8
20°	1470.2	1472.3	1497.9	1551.1	1612.2	1661.8	1683.7	1675.8	1675.1	1674.3	1673.5
22.5°	1424.9	1424.4	1457.9	1529.7	1615.9	1685.8	1705.2	1684.5	1682.1	1679.6	1677.2
25°	1351.4	1356.3	1395.6	1481.4	1595.0	1691.1	1720.4	1689.0	1685.5	1682.0	1678.5
27.5°	1271.8	1274.6	1316.3	1408.4	1545.8	1672.5	1727.8	1698.1	1694.2	1690.2	1686.3
30°	1178.8	1182.6	1227.2	1323.4	1467.0	1624.6	1725.8	1718.7	1714.1	1709.5	1705.0
32.5°	1088.1	1092.2	1132.2	1237.4	1383.9	1559.0	1713.4	1748.0	1743.3	1738.6	1733.9
35°	993.9	1000.2	1048.8	1155.4	1304.0	1486.0	1694.4	1785.6	1783.0	1780.4	1777.8
37.5°	915.9	917.2	964.2	1076.0	1229.6	1416.2	1669.2	1833.0	1835.0	1836.9	1838.8
40°	828.8	836.7	883.8	1001.8	1162.4	1357.2	1645.2	1897.4	1907.3	1917.2	1927.1
42.5°	750.8	751.6	799.6	921.2	1089.2	1309.7	1632.1	1975.0	1996.1	2017.2	2038.3
45°	668.7	671.9	715.2	833.0	1005.1	1253.6	1631.6	2064.6	2098.3	2132.0	2165.7
47.5°	591.1	592.4	638.2	747.6	908.4	1175.2	1628.8	2160.8	2206.7	2252.5	2298.4
50°	516.8	515.6	560.6	665.8	813.2	1072.4	1603.6	2269.8	2327.7	2385.6	2443.5
52.5°	431.8	437.6	484.2	584.9	726.4	967.9	1530.1	2389.1	2458.4	2527.6	2596.9
55°	348.3	350.8	400.8	494.9	638.6	870.6	1402.2	2498.9	2580.5	2662.2	2743.8
57.5°	256.8	264.2	307.9	400.8	549.4	788.4	1239.5	2555.8	2655.2	2754.6	2853.9
60°	181.2	187.0	225.8	303.8	451.6	702.1	1099.6	2524.0	2653.2	2782.3	2911.4
62.5°	141.2	145.7	176.6	227.4	352.2	615.8	999.2	2421.2	2596.9	2772.6	2948.3
65°	123.8	128.0	156.0	182.0	262.9	528.0	944.4	2312.7	2544.9	2777.1	3009.4
67.5°	111.8	116.8	141.1	159.4	214.2	460.6	930.0	2244.2	2507.2	2770.2	3033.2
69°	106.6	111.4	133.4	148.6	199.0	436.8	905.2	2136.4	2397.9	2659.4	2920.9
70°	103.2	107.4	127.6	143.2	194.0	420.2	864.0	2001.9	2258.7	2515.5	2772.2
72.5°	95.8	97.8	115.6	130.9	180.0	339.6	664.6	1486.8	1709.4	1932.0	2154.6
75°	84.6	87.1	103.6	118.4	140.4	210.9	420.6	919.6	1085.8	1251.9	1418.1
77.5°	73.0	75.2	89.6	113.2	109.0	131.6	251.3	511.8	608.2	704.6	801.0
80°	58.6	61.1	73.9	112.2	89.9	102.4	180.8	357.8	383.8	409.8	435.8
82.5°	42.9	45.0	57.8	90.8	68.9	77.2	137.9	303.5	312.5	321.5	330.5
85°	21.8	22.3	36.7	55.3	43.8	40.0	77.6	207.6	213.4	219.2	224.9
87.5°	3.8	3.8	8.2	9.4	10.7	6.6	9.9	35.5	36.6	37.7	38.9
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°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1454.6	1454.4	1453.6	1453.8	1454.4	1454.0	1454.6	1454.7	1455.2	1453.6	1453.3
5°	1472.0	1471.9	1471.8	1471.7	1472.0	1471.9	1472.2	1472.9	1472.8	1471.8	1471.6
7.5°	1501.6	1501.6	1502.1	1501.6	1502.4	1502.0	1501.2	1502.5	1503.4	1503.5	1504.4
10°	1540.6	1541.0	1542.5	1542.2	1543.7	1543.5	1543.7	1545.1	1546.1	1546.3	1547.2
12.5°	1586.3	1587.1	1587.9	1588.6	1590.1	1589.3	1591.2	1592.0	1593.2	1595.7	1594.5
15°	1629.4	1630.1	1632.3	1632.4	1633.8	1634.4	1636.2	1637.0	1637.3	1639.2	1639.6
17.5°	1659.1	1659.3	1660.2	1659.7	1661.0	1660.6	1661.8	1662.5	1663.5	1664.6	1666.5
20°	1672.7	1671.9	1671.4	1671.0	1670.1	1668.8	1669.2	1669.8	1670.0	1671.0	1672.4
22.5°	1674.8	1672.3	1669.8	1668.1	1665.6	1663.4	1661.4	1661.5	1661.7	1661.4	1662.4
25°	1675.0	1671.4	1667.6	1662.8	1659.3	1654.6	1650.6	1650.3	1649.1	1649.2	1649.8
27.5°	1682.4	1678.5	1673.0	1667.5	1660.0	1653.7	1647.3	1645.1	1642.9	1641.4	1640.9
30°	1700.4	1695.8	1689.2	1682.3	1674.1	1664.2	1655.2	1652.3	1649.2	1646.3	1644.0
32.5°	1729.2	1724.5	1717.3	1710.0	1699.0	1689.3	1680.4	1675.8	1671.3	1666.3	1661.8
35°	1775.2	1772.6	1766.2	1759.8	1751.8	1744.1	1736.0	1730.9	1723.4	1719.5	1714.0
37.5°	1840.7	1842.6	1842.6	1843.4	1840.9	1837.2	1831.4	1826.0	1823.6	1813.3	1806.6
40°	1936.9	1946.8	1955.8	1962.8	1968.9	1975.1	1980.4	1977.3	1978.3	1975.5	1971.6
42.5°	2059.4	2080.5	2099.8	2119.1	2133.0	2154.8	2169.8	2174.7	2186.9	2191.7	2200.6
45°	2199.4	2233.1	2265.4	2295.4	2323.1	2354.3	2384.6	2407.1	2431.7	2459.6	2487.5
47.5°	2344.2	2390.1	2437.8	2476.8	2517.0	2563.1	2603.3	2637.2	2681.5	2722.4	2767.5
50°	2501.4	2559.4	2613.6	2661.7	2713.4	2766.5	2821.6	2871.4	2931.2	2996.8	3067.7
52.5°	2666.2	2735.4	2798.2	2858.5	2919.3	2980.1	3038.8	3109.1	3182.9	3269.4	3358.0
55°	2825.4	2907.1	2978.3	3045.4	3115.0	3182.9	3243.5	3337.7	3428.1	3531.4	3647.1
57.5°	2953.2	3052.6	3134.8	3214.4	3292.9	3365.2	3439.5	3545.8	3661.1	3781.8	3928.5
60°	3040.5	3169.6	3274.5	3370.4	3466.6	3557.5	3643.0	3781.9	3919.0	4069.1	4251.7
62.5°	3123.9	3299.6	3436.5	3567.2	3697.1	3813.7	3920.0	4094.7	4273.9	4459.4	4676.5
65°	3241.6	3473.8	3675.5	3857.6	4037.3	4208.8	4367.8	4589.2	4815.4	5059.5	5318.8
67.5°	3296.3	3559.3	3821.8	4067.4	4295.6	4512.7	4717.0	4984.7	5250.9	5533.8	5847.1
69°	3182.4	3443.8	3724.5	3992.8	4244.9	4475.2	4696.4	4969.5	5246.4	5535.3	5851.4
70°	3029.0	3285.8	3569.1	3849.5	4090.7	4330.6	4559.8	4830.8	5111.3	5400.9	5731.8
72.5°	2377.2	2599.8	2876.0	3148.2	3390.2	3631.0	3853.6	4130.9	4413.3	4717.5	5030.7
75°	1584.3	1750.5	1956.3	2208.8	2430.7	2643.5	2859.2	3093.8	3369.3	3620.0	3906.6
77.5°	897.3	993.7	1113.3	1277.4	1436.7	1564.1	1718.0	1828.3	1988.2	2126.2	2272.1
80°	461.9	487.9	523.5	562.9	585.4	581.8	604.7	582.1	587.1	568.6	548.9
82.5°	339.6	348.6	364.8	372.6	371.8	345.8	318.2	279.9	246.2	210.7	178.2
85°	230.7	236.5	240.6	246.6	244.9	233.7	208.8	175.6	143.2	114.8	91.9
87.5°	40.0	41.1	40.8	44.2	44.3	41.1	33.8	28.9	24.3	18.2	12.8
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1452.9	1452.9	1453.8	1453.0	1453.0	1452.9	1452.6	1453.4	1453.0	1451.7	1450.5
5°	1471.9	1470.6	1470.2	1471.1	1471.9	1470.2	1471.5	1472.8	1470.7	1471.1	1470.3
7.5°	1503.7	1503.2	1502.8	1503.6	1503.6	1503.3	1503.6	1502.4	1501.6	1502.9	1504.1
10°	1546.2	1545.8	1546.6	1546.6	1548.2	1547.4	1547.0	1548.3	1547.4	1546.6	1547.0
12.5°	1596.2	1594.9	1597.0	1597.0	1598.2	1598.2	1597.8	1598.2	1597.8	1596.6	1595.8
15°	1640.7	1639.0	1639.4	1642.8	1642.4	1643.2	1643.2	1642.4	1642.0	1641.6	1642.0
17.5°	1667.6	1666.7	1666.8	1668.4	1669.6	1669.2	1669.2	1669.2	1668.8	1669.2	1670.1
20°	1672.6	1672.6	1673.0	1674.6	1676.6	1675.4	1675.4	1676.2	1675.4	1676.2	1676.7
22.5°	1663.0	1663.8	1664.6	1666.7	1667.1	1667.1	1667.2	1667.6	1668.4	1668.4	1669.2
25°	1649.8	1650.6	1651.8	1653.5	1655.2	1655.2	1655.2	1656.0	1656.0	1656.4	1656.8
27.5°	1639.9	1640.7	1642.0	1643.6	1645.7	1645.7	1645.7	1646.4	1646.5	1646.9	1647.8
30°	1641.2	1639.5	1640.7	1641.6	1642.8	1642.8	1642.4	1642.8	1643.2	1643.2	1643.6
32.5°	1658.9	1655.2	1654.0	1653.6	1654.0	1652.7	1652.2	1651.4	1650.6	1650.6	1650.3
35°	1706.0	1700.2	1699.8	1696.4	1693.2	1689.8	1690.2	1687.8	1688.6	1686.6	1684.9
37.5°	1802.6	1796.0	1800.0	1793.0	1788.5	1785.2	1781.5	1776.6	1773.6	1777.4	1777.3
40°	1975.5	1970.9	1969.6	1971.0	1966.8	1968.8	1959.8	1957.3	1952.0	1955.6	1960.6
42.5°	2214.4	2211.6	2227.4	2230.2	2231.8	2234.3	2236.0	2222.3	2221.9	2219.0	2210.8
45°	2509.6	2527.0	2526.1	2545.0	2546.0	2540.1	2542.6	2536.4	2534.0	2524.8	2536.1
47.5°	2813.0	2846.0	2858.4	2862.5	2878.2	2882.0	2867.0	2862.0	2870.8	2856.0	2857.9
50°	3138.6	3174.2	3203.0	3222.4	3233.6	3234.4	3223.2	3220.8	3228.6	3200.6	3213.8
52.5°	3459.0	3512.6	3567.1	3596.0	3616.6	3618.3	3627.0	3616.6	3620.7	3614.2	3627.4
55°	3774.8	3867.6	3931.6	3988.1	4024.0	4055.0	4057.8	4069.0	4069.8	4083.4	4069.8
57.5°	4083.5	4184.6	4296.0	4396.4	4452.0	4487.2	4520.2	4565.2	4575.1	4569.7	4578.3
60°	4448.0	4604.4	4755.8	4871.4	4967.5	5059.7	5109.2	5179.8	5190.8	5221.4	5195.0
62.5°	4908.6	5135.6	5341.2	5496.7	5643.0	5786.0	5894.2	5948.7	5981.8	6045.8	6024.7
65°	5615.2	5887.6	6159.6	6382.6	6587.2	6757.7	6922.0	7000.4	7087.1	7177.9	7194.4
67.5°	6197.2	6534.5	6841.2	7112.6	7360.8	7550.2	7721.2	7857.0	7962.6	8029.5	8034.8
69°	6223.6	6574.0	6907.2	7198.6	7457.4	7658.8	7838.8	7989.8	8092.6	8161.2	8179.3
70°	6097.4	6456.0	6811.0	7105.3	7370.3	7576.3	7767.0	7911.0	8025.8	8095.5	8119.9
72.5°	5387.0	5770.0	6149.4	6407.3	6678.1	6923.2	7076.0	7223.0	7384.7	7405.8	7472.6
75°	4246.4	4568.4	4862.8	5060.0	5286.2	5506.2	5656.0	5694.8	5779.5	5886.0	5848.0
77.5°	2460.8	2560.0	2749.9	2798.6	2757.2	2853.0	2884.8	2817.1	2813.8	2876.1	2752.3
80°	545.3	514.3	553.0	524.2	525.0	525.8	517.2	513.9	520.0	513.9	505.2
82.5°	151.0	146.1	146.9	145.3	148.2	146.1	144.9	148.2	147.8	147.4	150.3
85°	72.6	71.8	70.6	70.2	68.5	66.4	63.2	63.2	64.8	62.3	63.5
87.5°	9.6	9.1	9.1	10.8	9.6	7.9	7.9	7.9	7.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)