

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: P155466

Luminaire Tested: **VXS-F06-LED-E1-T3-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155466  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-F06-LED-E1-T3-7050  
Description: VISION SITE SMALL LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15673.9 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

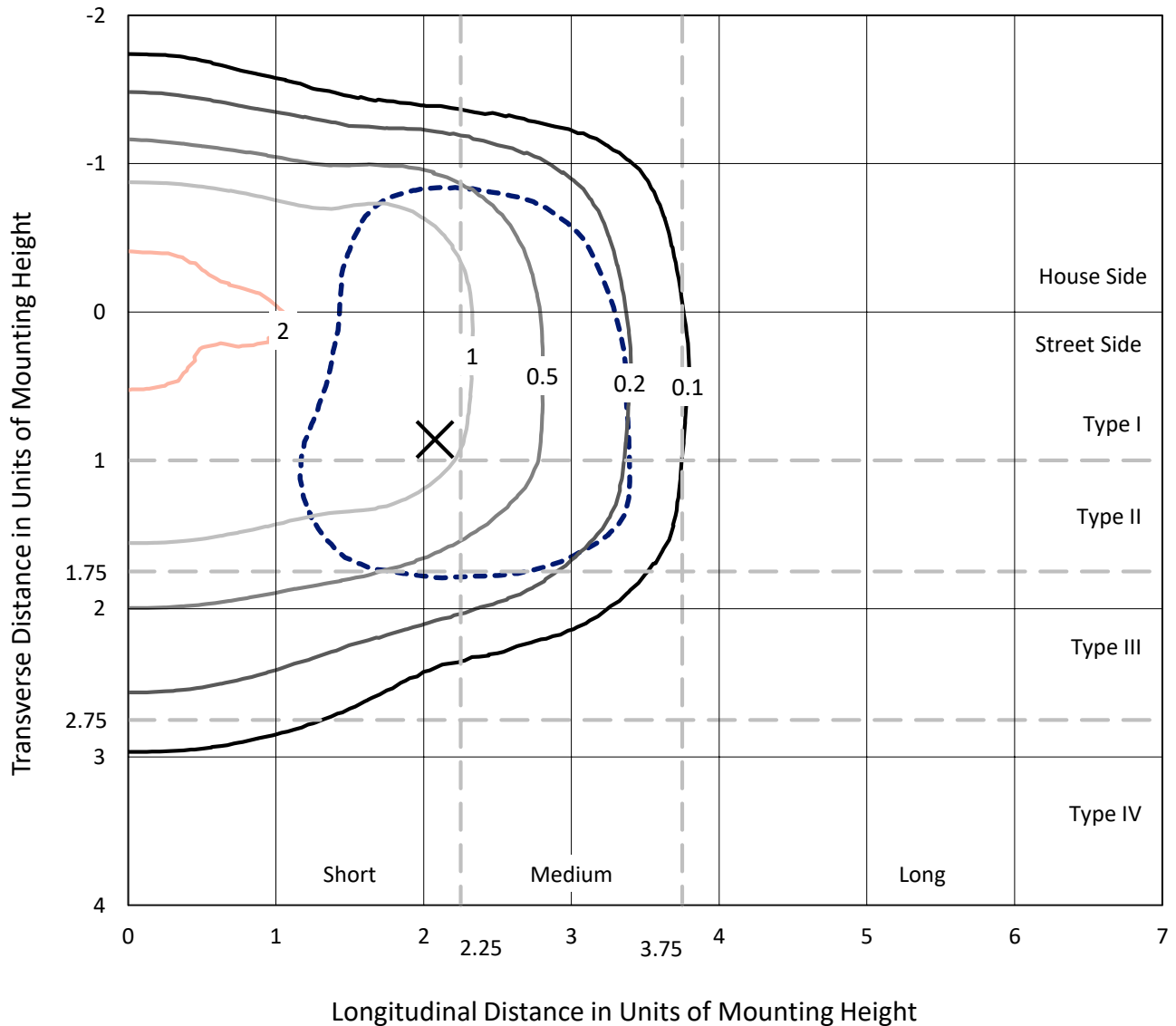


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

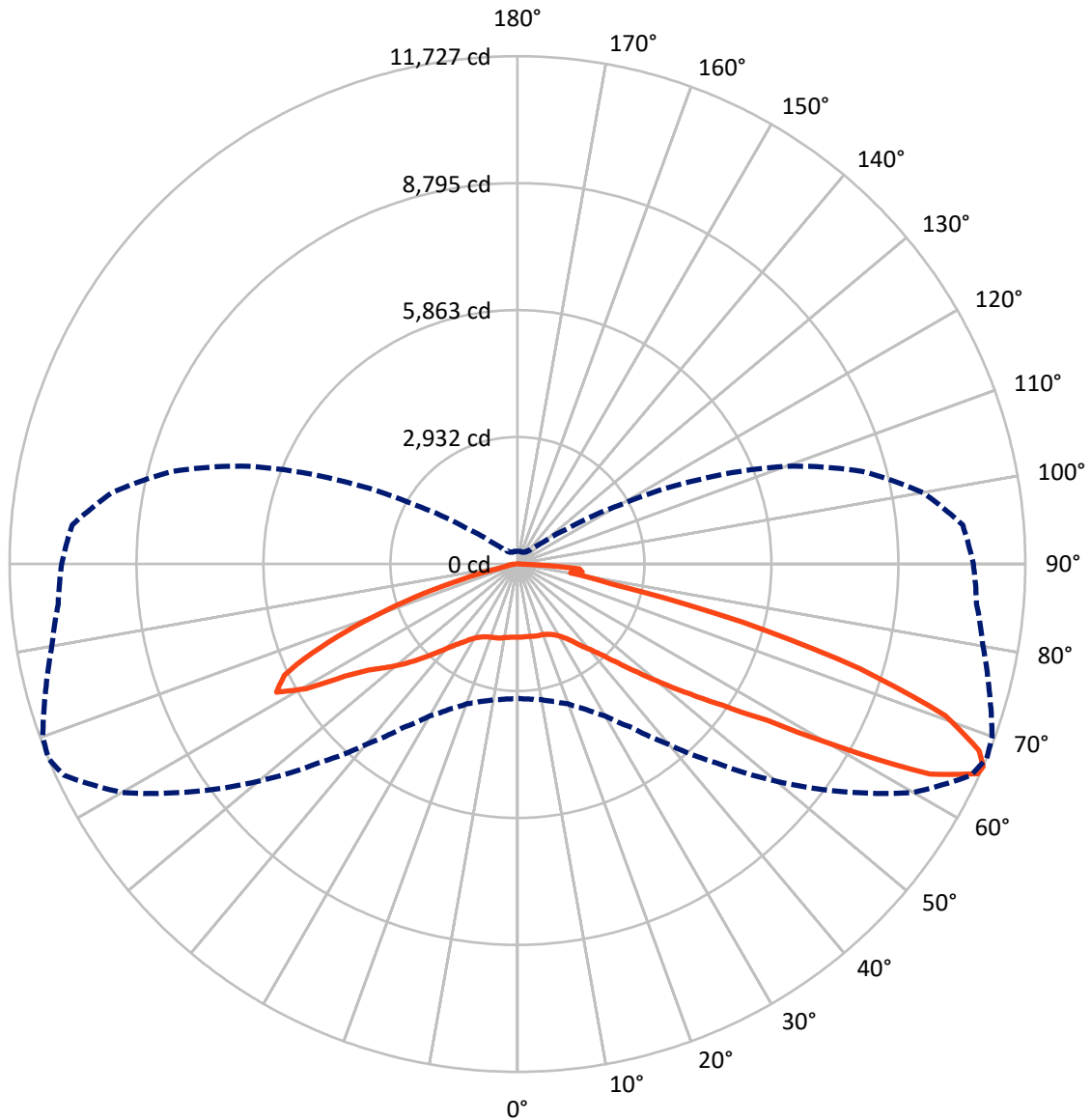


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5412.7	0.0	5412.7
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	10261.2	0.0	10261.2
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	15673.9	0.0	15673.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.8	1.0
10°-20°	477.4	3.0
20°-30°	820.6	5.2
30°-40°	1332.4	8.5
40°-50°	2224.4	14.2
50°-60°	3502.6	22.3
60°-70°	4776.2	30.5
70°-80°	2067.6	13.2
80°-90°	310.9	2.0
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°	15673.9	100.0
0°-180°	15673.9	100.0



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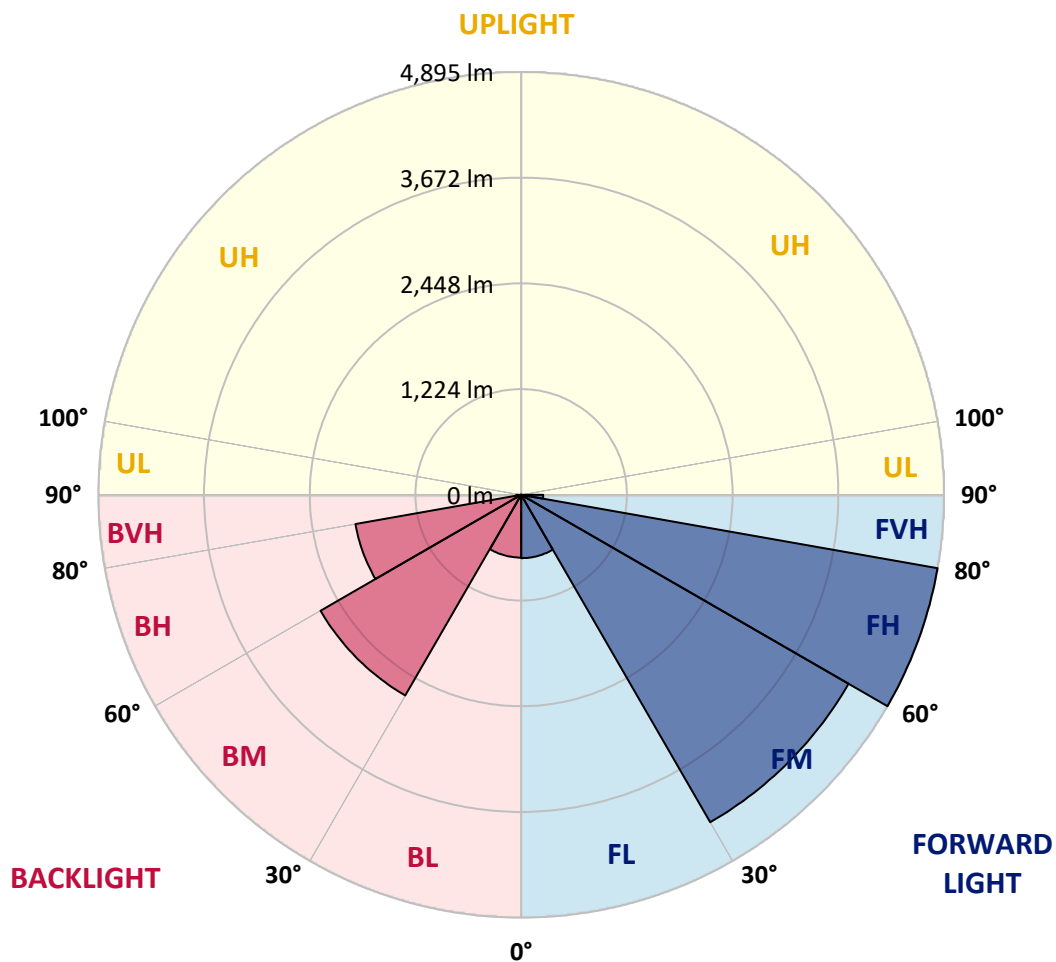
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	733.3	4.7			
FM	(30°-60°)	4377.2	27.9			
FH	(60°-80°)	4895.5	31.2			G2/5000
FVH	(80°-90°)	255.3	1.6			G3/500
BL	(0°-30°)	726.6	4.6	B2/1000		
BM	(30°-60°)	2682.2	17.1	B3/5000		
BH	(60°-80°)	1948.3	12.4	B3/2500		G3/2500
BVH	(80°-90°)	55.6	0.4			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1
2.5°	1695.9	1702.6	1695.9	1697.5	1699.3	1697.5	1695.9	1695.9	1690.8	1694.2	1697.5
5°	1689.1	1694.2	1692.4	1694.2	1695.9	1694.2	1692.4	1694.2	1690.8	1692.4	1697.5
7.5°	1680.6	1678.9	1680.6	1683.9	1687.4	1687.4	1687.4	1689.1	1687.4	1687.4	1692.4
10°	1655.2	1656.9	1660.3	1665.4	1667.0	1672.1	1672.1	1677.2	1678.9	1682.3	1689.1
12.5°	1623.0	1624.7	1628.1	1631.5	1639.9	1648.4	1648.4	1660.3	1665.4	1673.8	1685.7
15°	1599.3	1600.9	1604.4	1607.8	1614.5	1623.0	1628.1	1641.7	1650.1	1665.4	1682.3
17.5°	1612.8	1611.1	1614.5	1616.3	1616.3	1623.0	1623.0	1633.2	1643.3	1656.9	1678.9
20°	1651.8	1651.8	1655.2	1655.2	1653.5	1656.9	1650.1	1650.1	1651.8	1658.5	1673.8
22.5°	1690.8	1689.1	1695.9	1699.3	1700.9	1706.0	1699.3	1697.5	1689.1	1683.9	1689.1
25°	1728.1	1726.3	1734.8	1739.9	1748.4	1753.5	1753.5	1753.5	1746.6	1738.2	1733.2
27.5°	1785.6	1785.6	1794.1	1799.2	1806.0	1816.2	1821.2	1821.2	1822.9	1811.1	1802.6
30°	1882.2	1883.9	1885.6	1892.3	1899.2	1902.5	1909.3	1914.4	1919.5	1912.7	1899.2
32.5°	1997.4	1987.3	1987.3	1997.4	2005.9	2016.1	2019.4	2026.2	2036.4	2031.3	2029.6
35°	2134.6	2131.2	2127.9	2131.2	2141.5	2153.3	2166.8	2178.7	2171.9	2182.1	2177.0
37.5°	2337.9	2341.3	2343.0	2343.0	2341.3	2344.7	2351.5	2363.3	2360.0	2363.3	2370.2
40°	2673.4	2661.6	2649.6	2651.3	2634.4	2637.8	2610.7	2622.6	2624.2	2612.3	2617.5
42.5°	3008.8	3015.5	3020.6	3034.2	3022.4	3015.5	2990.2	2990.2	2976.6	2964.8	2961.3
45°	3371.4	3384.9	3386.6	3413.7	3403.5	3425.6	3444.2	3439.2	3417.1	3415.4	3391.7
47.5°	3661.0	3683.1	3706.8	3739.0	3764.4	3813.6	3871.1	3899.9	3916.9	3930.5	3903.3
50°	3877.9	3888.1	3949.0	3999.9	4055.8	4137.1	4216.8	4320.1	4403.1	4442.1	4479.4
52.5°	3994.8	4020.2	4086.3	4165.9	4264.1	4386.1	4514.9	4679.3	4821.6	4916.5	5001.1
55°	4020.2	4045.6	4120.2	4221.9	4355.6	4520.0	4704.7	4928.3	5141.8	5324.8	5502.6
57.5°	3949.0	3977.8	4057.5	4174.4	4331.9	4531.8	4763.9	5057.0	5351.8	5648.3	5910.9
60°	3818.7	3854.2	3927.0	4042.3	4216.8	4442.1	4719.9	5087.6	5500.9	5954.9	6458.1
62.5°	3603.4	3640.7	3708.5	3835.5	4015.1	4264.1	4586.1	5043.5	5628.0	6342.9	7235.8
65°	3257.8	3274.8	3357.8	3486.5	3645.8	3920.3	4274.3	4826.6	5587.4	6581.8	7811.7
66°	3102.0	3130.8	3181.7	3285.0	3437.4	3694.9	4050.7	4611.5	5433.2	6498.8	7796.5
67.5°	2858.0	2880.1	2914.0	2983.4	3076.6	3266.3	3603.4	4133.7	4962.2	6078.7	7472.8
70°	2310.8	2321.0	2366.7	2390.5	2422.6	2485.3	2607.3	2912.2	3557.7	4606.4	6031.2
72.5°	1575.5	1604.4	1653.5	1721.2	1809.3	1894.1	1951.7	1990.7	2129.5	2747.9	4018.5
75°	1155.4	1185.9	1248.6	1338.3	1492.5	1668.7	1851.7	1936.4	1878.9	1799.2	2237.9
77.5°	670.9	711.5	764.0	850.5	992.7	1226.5	1540.0	1817.8	2005.9	2017.7	1916.1
80°	282.9	288.0	320.2	364.2	452.3	616.7	860.6	1260.4	1677.2	1958.4	2024.6
82.5°	64.4	79.6	101.7	120.3	147.4	203.3	301.6	501.5	906.3	1421.3	1853.4
85°	23.7	23.7	32.2	47.5	54.2	61.0	79.6	127.0	216.9	399.8	833.5
87.5°	0.0	1.7	3.4	3.4	6.7	8.5	13.6	18.7	16.9	15.2	50.8
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1
2.5°	1694.2	1692.4	1689.1	1689.1	1689.1	1689.1	1685.7	1687.4	1683.9	1685.7	1685.7
5°	1692.4	1692.4	1690.8	1687.4	1689.1	1689.1	1690.8	1687.4	1687.4	1689.1	1687.4
7.5°	1692.4	1690.8	1690.8	1690.8	1692.4	1690.8	1692.4	1692.4	1692.4	1694.2	1694.2
10°	1692.4	1692.4	1695.9	1697.5	1697.5	1699.3	1704.4	1704.4	1706.0	1707.7	1711.1
12.5°	1694.2	1700.9	1706.0	1711.1	1712.7	1716.2	1724.7	1724.7	1728.1	1733.2	1734.8
15°	1695.9	1706.0	1716.2	1719.6	1722.9	1729.7	1738.2	1741.6	1746.6	1751.7	1755.1
17.5°	1694.2	1707.7	1719.6	1724.7	1729.7	1738.2	1748.4	1751.7	1758.5	1765.3	1772.1
20°	1692.4	1711.1	1729.7	1736.5	1743.3	1755.1	1768.7	1777.2	1783.9	1794.1	1800.9
22.5°	1702.6	1724.7	1750.1	1760.2	1772.1	1787.4	1806.0	1816.2	1824.6	1834.7	1839.9
25°	1734.8	1751.7	1782.3	1799.2	1814.4	1839.9	1865.3	1877.1	1887.3	1895.8	1897.4
27.5°	1789.0	1794.1	1831.4	1853.4	1875.4	1916.1	1946.5	1955.0	1973.7	1980.4	1978.8
30°	1877.1	1868.6	1899.2	1933.1	1965.2	2021.1	2058.3	2080.4	2097.4	2097.4	2083.8
32.5°	2004.1	1990.7	1999.1	2038.0	2075.3	2156.7	2200.7	2229.5	2241.3	2237.9	2209.2
35°	2170.3	2161.8	2156.7	2187.2	2246.4	2341.3	2399.0	2414.2	2432.8	2429.4	2392.1
37.5°	2366.7	2360.0	2360.0	2395.5	2453.2	2593.8	2656.5	2666.6	2664.9	2637.8	2568.3
40°	2598.9	2595.4	2580.2	2600.5	2649.6	2832.6	2917.3	2930.9	2912.2	2868.2	2786.8
42.5°	2932.5	2912.2	2864.8	2876.7	2914.0	3091.8	3202.0	3239.2	3220.6	3176.6	3044.4
45°	3368.0	3345.9	3266.3	3256.2	3276.5	3432.3	3574.6	3583.1	3579.8	3523.8	3368.0
47.5°	3879.6	3845.7	3761.0	3733.9	3727.2	3871.1	4008.4	4021.9	4013.5	3930.5	3722.1
50°	4433.6	4384.5	4328.6	4309.9	4282.8	4386.1	4525.1	4526.7	4492.8	4377.7	4182.9
52.5°	5024.9	5007.9	4997.7	4979.1	4967.3	5057.0	5141.8	5090.9	5040.1	4919.8	4750.4
55°	5621.2	5690.7	5761.8	5768.6	5788.9	5885.5	5883.8	5744.9	5707.6	5641.6	5473.8
57.5°	6254.8	6512.3	6736.0	6805.4	6873.2	7052.7	7035.9	6898.5	6851.2	6769.8	6630.9
60°	7117.1	7811.7	8457.2	8611.4	8718.1	8933.3	8913.0	8701.1	8799.4	8792.6	8613.1
62.5°	8325.1	9480.5	10447.9	10685.0	10759.6	10783.3	10654.5	10425.8	10522.4	10630.8	10078.5
65°	9143.3	10502.1	11494.8	11677.8	11688.0	11405.1	11118.8	10849.3	10825.6	10732.4	9943.0
66°	9162.0	10552.8	11549.0	11726.9	11664.2	11277.9	10915.4	10644.4	10527.5	10322.5	9504.1
67.5°	8833.3	10236.1	11308.5	11496.5	11359.3	10812.1	10312.3	9963.3	9734.6	9402.6	8680.8
70°	7418.7	8809.6	10131.0	10481.8	10525.8	9709.2	9016.3	8606.3	8297.9	7842.2	7220.5
72.5°	5516.2	6773.3	7938.8	8274.2	8445.4	7793.1	7208.6	6896.9	6475.0	5995.6	5553.5
75°	3457.7	4345.5	5126.5	5362.0	5201.0	4696.2	4345.5	4215.0	3800.0	3513.7	3312.0
77.5°	1977.1	2254.9	2317.6	2227.8	2038.0	1560.3	1109.6	821.7	713.3	789.4	870.8
80°	1929.6	1768.7	1409.5	1240.1	1123.2	772.5	454.0	311.7	259.2	266.0	288.0
82.5°	2090.6	2243.0	1846.6	1506.1	1263.8	853.9	471.0	250.8	169.4	199.9	225.3
85°	1358.8	1890.7	1702.6	1434.9	1162.2	730.2	388.0	130.5	86.4	113.5	155.9
87.5°	137.2	150.8	128.7	174.5	130.5	61.0	30.5	18.7	16.9	20.3	30.5
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1	1689.1
2.5°	1687.4	1687.4	1689.1	1690.8	1692.4	1694.2	1694.2	1694.2	1694.2	1697.5	1695.9
5°	1690.8	1694.2	1697.5	1699.3	1702.6	1702.6	1707.7	1706.0	1706.0	1711.1	1712.7
7.5°	1697.5	1702.6	1709.4	1707.7	1714.5	1712.7	1716.2	1716.2	1711.1	1712.7	1709.4
10°	1712.7	1719.6	1722.9	1717.8	1719.6	1712.7	1711.1	1702.6	1692.4	1687.4	1680.6
12.5°	1738.2	1745.0	1745.0	1736.5	1726.3	1711.1	1699.3	1680.6	1665.4	1656.9	1648.4
15°	1760.2	1767.0	1765.3	1751.7	1736.5	1712.7	1695.9	1673.8	1651.8	1638.2	1629.7
17.5°	1777.2	1780.5	1775.4	1756.8	1739.9	1717.8	1700.9	1677.2	1651.8	1634.8	1619.6
20°	1802.6	1799.2	1787.4	1763.6	1745.0	1724.7	1711.1	1690.8	1662.0	1639.9	1617.9
22.5°	1839.9	1826.3	1804.2	1778.9	1760.2	1741.6	1728.1	1706.0	1677.2	1650.1	1624.7
25°	1889.0	1861.9	1831.4	1804.2	1787.4	1767.0	1751.7	1728.1	1697.5	1667.0	1636.6
27.5°	1960.1	1912.7	1873.8	1850.1	1831.4	1806.0	1787.4	1756.8	1724.7	1689.1	1655.2
30°	2039.8	1975.3	1938.1	1919.5	1899.2	1872.0	1843.2	1804.2	1767.0	1728.1	1687.4
32.5°	2143.1	2065.2	2029.6	2011.0	1983.8	1949.9	1916.1	1872.0	1819.5	1768.7	1719.6
35°	2278.7	2199.0	2161.8	2133.0	2095.6	2051.6	2002.5	1943.2	1872.0	1804.2	1741.6
37.5°	2424.4	2337.9	2302.4	2271.8	2216.0	2158.3	2088.9	2002.5	1905.9	1816.2	1738.2
40°	2609.0	2529.3	2483.6	2431.1	2365.1	2265.1	2156.7	2031.3	1907.6	1797.5	1706.0
42.5°	2842.8	2763.2	2695.4	2612.3	2497.2	2343.0	2188.8	2026.2	1877.1	1751.7	1653.5
45°	3152.8	3056.3	2939.4	2793.7	2607.3	2392.1	2190.6	1994.0	1819.5	1680.6	1575.5
47.5°	3532.3	3384.9	3193.5	2947.8	2680.1	2405.7	2163.4	1929.6	1729.7	1579.0	1462.1
50°	3982.9	3750.9	3435.8	3074.9	2717.4	2385.4	2095.6	1833.1	1602.7	1441.8	1302.8
52.5°	4497.9	4118.4	3654.3	3166.3	2715.8	2317.6	1980.4	1687.4	1436.7	1257.1	1124.9
55°	5102.8	4538.7	3879.6	3234.1	2668.3	2192.2	1804.2	1482.4	1231.6	1065.6	943.6
57.5°	5988.8	5219.7	4272.6	3339.2	2573.4	1999.1	1565.4	1236.7	1016.5	859.0	755.5
60°	7608.4	6356.5	4980.8	3551.0	2427.7	1716.2	1285.9	974.1	789.4	662.4	593.0
62.5°	8828.2	7235.8	5363.7	3503.5	2134.6	1367.2	953.8	709.8	581.1	494.7	450.7
65°	8653.7	6963.0	4955.4	3017.3	1673.8	963.9	633.6	482.8	399.8	359.2	333.8
66°	8259.0	6607.2	4601.3	2715.8	1446.8	801.3	521.8	404.9	343.9	315.1	298.1
67.5°	7510.2	5946.4	3967.7	2226.1	1111.4	581.1	393.1	320.2	279.6	267.7	255.9
70°	6242.9	4742.0	2785.2	1296.1	567.6	323.6	249.0	223.6	213.5	211.8	208.4
72.5°	4784.2	3356.1	1639.9	613.3	294.8	215.1	193.2	184.7	181.2	181.2	183.0
75°	2932.5	1885.6	725.1	299.9	206.7	181.2	171.1	167.8	166.0	167.8	166.0
77.5°	979.2	599.7	310.1	227.0	188.1	167.8	160.9	157.5	157.5	157.5	157.5
80°	299.9	260.9	237.2	210.1	177.9	159.3	149.1	147.4	149.1	150.8	145.7
82.5°	225.3	213.5	199.9	186.3	160.9	142.3	139.0	139.0	139.0	133.9	127.0
85°	166.0	164.4	135.5	127.0	118.5	118.5	118.5	118.5	113.5	105.1	98.2
87.5°	30.5	28.8	30.5	32.2	47.5	50.8	50.8	54.2	59.3	56.0	56.0
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):**

	160°	165°	170°	175°	180°
0°	1689.1	1689.1	1689.1	1689.1	1689.1
2.5°	1695.9	1694.2	1699.3	1695.9	1697.5
5°	1711.1	1709.4	1712.7	1709.4	1714.5
7.5°	1706.0	1702.6	1700.9	1702.6	1704.4
10°	1670.5	1667.0	1665.4	1663.6	1665.4
12.5°	1639.9	1633.2	1633.2	1629.7	1631.5
15°	1617.9	1612.8	1611.1	1607.8	1609.4
17.5°	1607.8	1599.3	1595.9	1592.5	1592.5
20°	1600.9	1590.8	1585.7	1582.4	1580.6
22.5°	1600.9	1585.7	1579.0	1575.5	1573.9
25°	1607.8	1589.1	1579.0	1573.9	1572.1
27.5°	1621.3	1597.6	1585.7	1579.0	1579.0
30°	1645.0	1614.5	1597.6	1589.1	1587.5
32.5°	1668.7	1628.1	1604.4	1594.2	1590.8
35°	1680.6	1628.1	1599.3	1582.4	1579.0
37.5°	1667.0	1606.0	1570.5	1545.1	1540.0
40°	1624.7	1560.3	1521.3	1497.6	1494.2
42.5°	1568.8	1506.1	1460.3	1443.4	1438.3
45°	1492.5	1418.0	1372.2	1348.5	1350.3
47.5°	1362.1	1285.9	1245.2	1223.2	1226.5
50°	1208.0	1133.4	1097.8	1074.1	1079.2
52.5°	1038.5	970.8	936.9	925.0	921.7
55°	860.6	808.1	784.4	770.9	765.8
57.5°	698.0	660.7	643.7	626.8	628.5
60°	550.6	531.9	526.8	508.3	506.5
62.5°	433.7	421.9	416.8	403.2	404.9
65°	328.7	325.3	328.7	320.2	323.6
66°	296.5	298.1	298.1	293.1	296.5
67.5°	255.9	259.2	264.2	259.2	262.6
70°	211.8	215.1	218.5	218.5	218.5
72.5°	184.7	188.1	189.7	189.7	189.7
75°	169.4	171.1	172.8	169.4	169.4
77.5°	159.3	159.3	155.9	154.2	152.4
80°	144.0	142.3	137.2	133.9	133.9
82.5°	120.3	116.9	113.5	108.4	108.4
85°	91.5	88.1	84.7	77.9	74.5
87.5°	47.5	49.1	47.5	39.0	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)