

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: P155458

Luminaire Tested: **VXS-E06-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155458
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-E06-LED-E1-T3-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15616.8 lumens
Efficiency: N/A
Efficacy: 103.8 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): 150.5
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



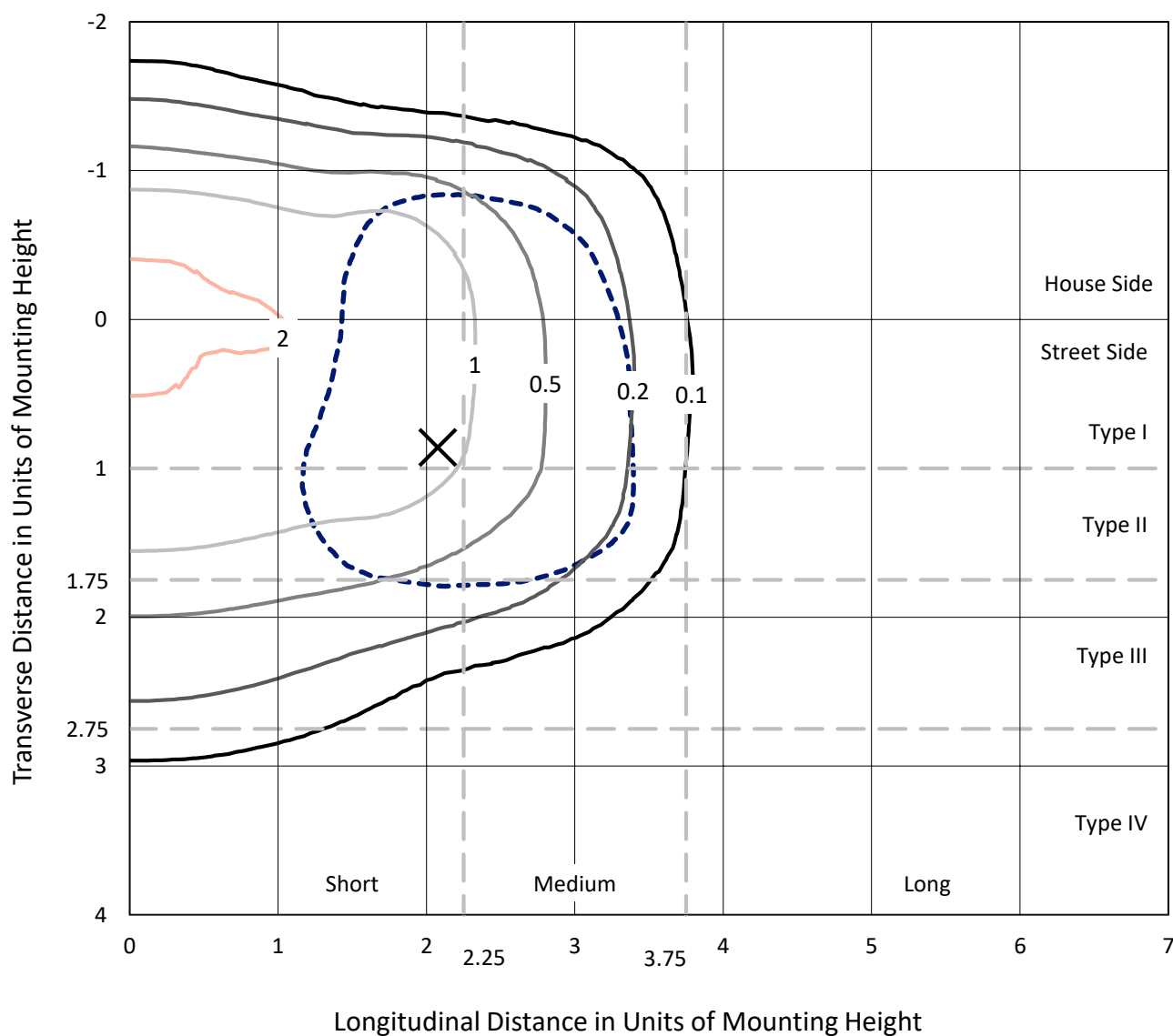
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

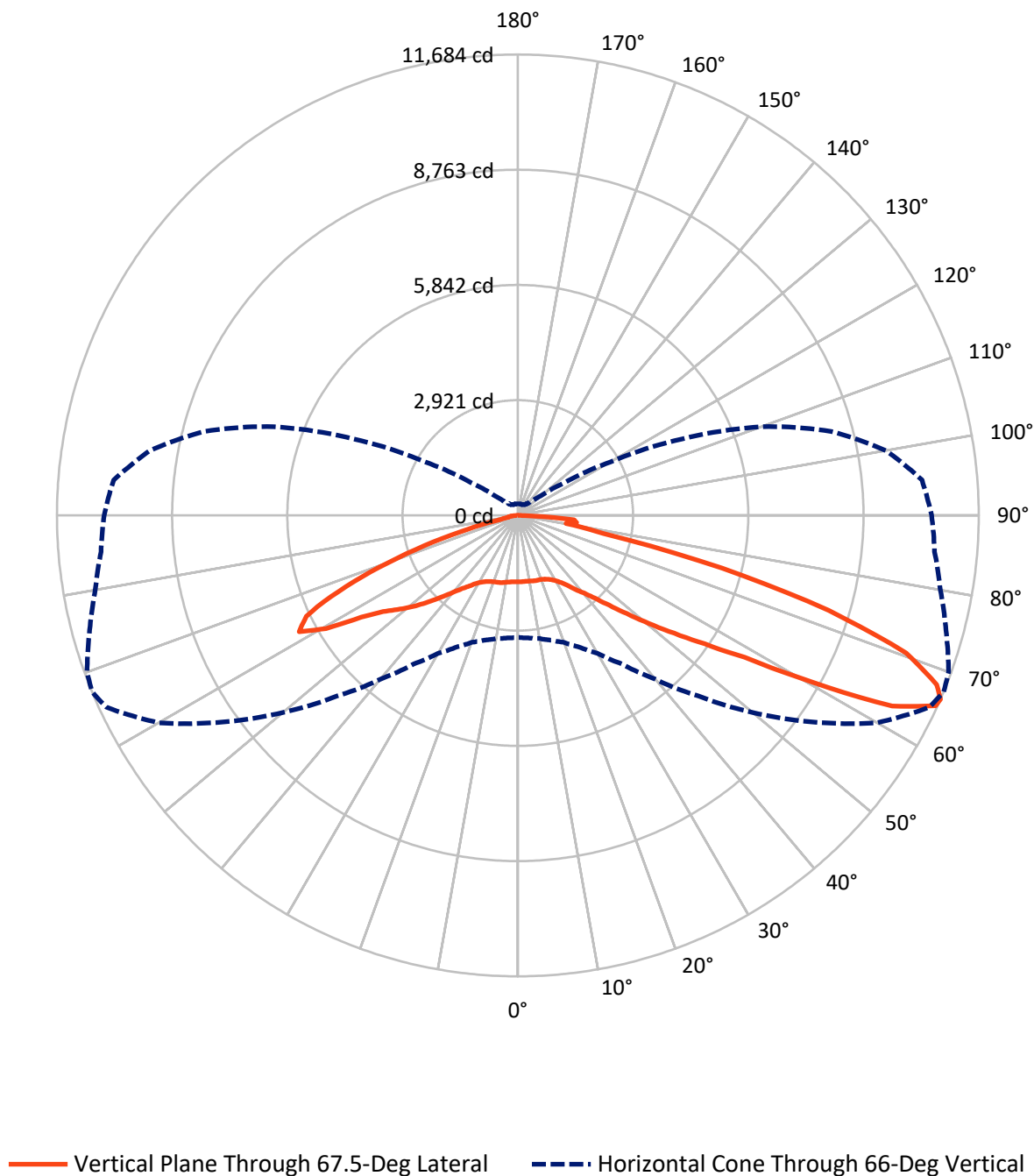


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5393.0	0.0	5393.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	10223.8	0.0	10223.8
	% Fixture	65.5	0.0	65.5
Total	Lumens	15616.8	0.0	15616.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.0
10°-20°	475.7	3.0
20°-30°	817.6	5.2
30°-40°	1327.5	8.5
40°-50°	2216.3	14.2
50°-60°	3489.9	22.3
60°-70°	4758.8	30.5
70°-80°	2060.1	13.2
80°-90°	309.8	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°	15616.8	100.0
0°-180°	15616.8	100.0

Coefficient of Utilization



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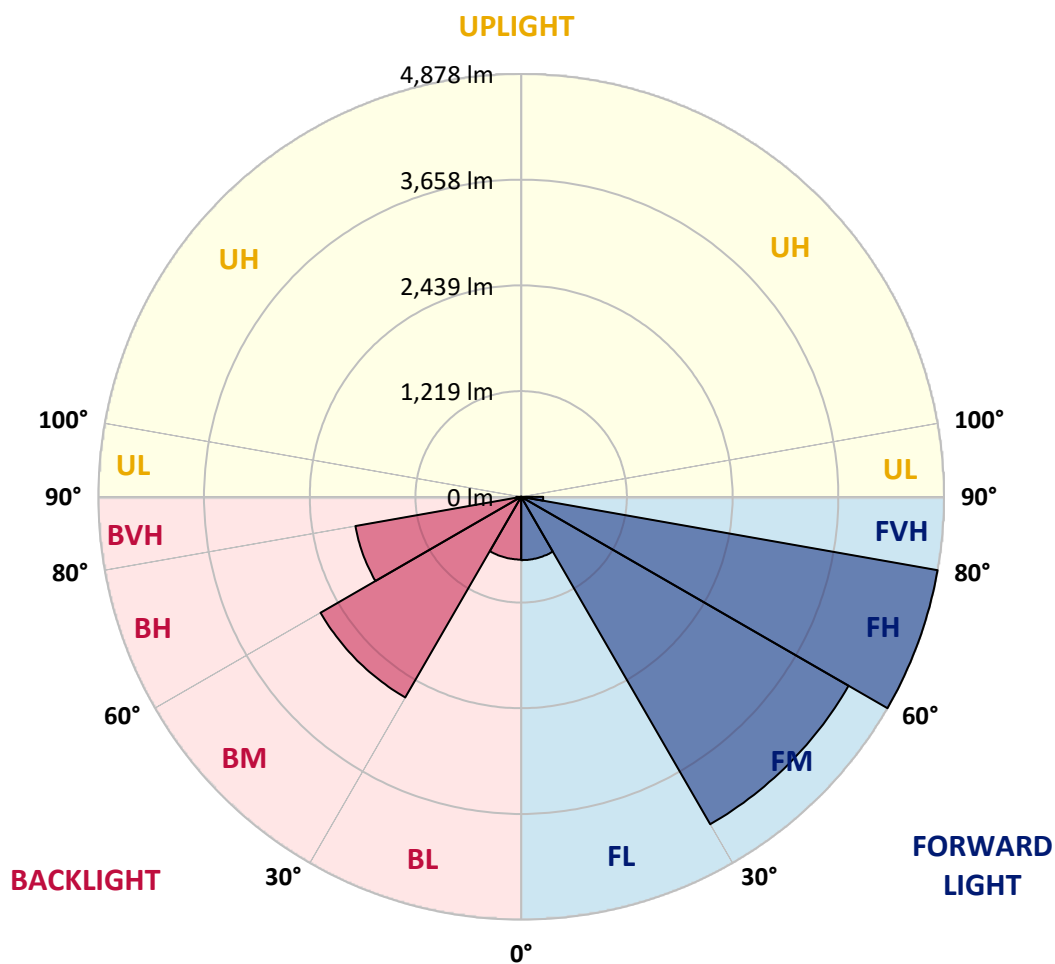
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	730.6	4.7			
FM	(30°-60°)	4361.3	27.9			
FH	(60°-80°)	4877.7	31.2			G2/5000
FVH	(80°-90°)	254.3	1.6			G3/500
BL	(0°-30°)	723.9	4.6	B2/1000		
BM	(30°-60°)	2672.4	17.1	B3/5000		
BH	(60°-80°)	1941.2	12.4	B3/2500		G3/2500
BVH	(80°-90°)	55.4	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°	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9
2.5°	1689.6	1696.4	1689.6	1691.4	1693.1	1691.4	1689.6	1689.6	1684.6	1688.0	1691.4
5°	1682.9	1688.0	1686.3	1688.0	1689.6	1688.0	1686.3	1688.0	1684.6	1686.3	1691.4
7.5°	1674.5	1672.7	1674.5	1677.8	1681.2	1681.2	1681.2	1682.9	1681.2	1681.2	1686.3
10°	1649.1	1650.9	1654.2	1659.3	1660.9	1666.0	1666.0	1671.1	1672.7	1676.2	1682.9
12.5°	1617.1	1618.8	1622.2	1625.5	1634.0	1642.4	1642.4	1654.2	1659.3	1667.8	1679.6
15°	1593.5	1595.1	1598.5	1601.9	1608.6	1617.1	1622.2	1635.6	1644.1	1659.3	1676.2
17.5°	1606.9	1605.3	1608.6	1610.4	1610.4	1617.1	1617.1	1627.3	1637.3	1650.9	1672.7
20°	1645.8	1645.8	1649.1	1649.1	1647.5	1650.9	1644.1	1644.1	1645.8	1652.5	1667.8
22.5°	1684.6	1682.9	1689.6	1693.1	1694.7	1699.8	1693.1	1691.4	1682.9	1677.8	1682.9
25°	1721.8	1720.1	1728.5	1733.6	1742.0	1747.0	1747.0	1747.0	1740.3	1731.9	1726.8
27.5°	1779.2	1779.2	1787.6	1792.6	1799.4	1809.5	1814.6	1814.6	1816.3	1804.5	1796.1
30°	1875.3	1877.0	1878.8	1885.5	1892.2	1895.6	1902.4	1907.5	1912.4	1905.7	1892.2
32.5°	1990.2	1980.0	1980.0	1990.2	1998.5	2008.7	2012.1	2018.9	2028.9	2023.9	2022.2
35°	2126.8	2123.5	2120.1	2123.5	2133.6	2145.4	2159.0	2170.8	2164.0	2174.1	2169.0
37.5°	2329.4	2332.7	2334.5	2334.5	2332.7	2336.2	2342.9	2354.7	2351.4	2354.7	2361.5
40°	2663.6	2651.8	2640.0	2641.7	2624.8	2628.2	2601.1	2613.0	2614.7	2602.9	2608.0
42.5°	2997.8	3004.6	3009.6	3023.2	3011.4	3004.6	2979.3	2979.3	2965.8	2954.0	2950.6
45°	3359.1	3372.5	3374.3	3401.2	3391.2	3413.1	3431.7	3426.6	3404.7	3403.0	3379.4
47.5°	3647.8	3669.6	3693.3	3725.4	3750.7	3799.7	3857.0	3885.7	3902.6	3916.2	3889.1
50°	3863.8	3873.9	3934.7	3985.3	4041.0	4122.1	4201.3	4304.4	4387.0	4425.9	4463.0
52.5°	3980.3	4005.6	4071.4	4150.8	4248.6	4370.2	4498.4	4662.2	4804.0	4898.5	4982.9
55°	4005.6	4030.9	4105.2	4206.4	4339.8	4503.5	4687.6	4910.4	5123.0	5305.3	5482.6
57.5°	3934.7	3963.4	4042.7	4159.2	4316.2	4515.3	4746.6	5038.7	5332.3	5627.8	5889.3
60°	3804.7	3840.2	3912.7	4027.6	4201.3	4425.9	4702.7	5069.0	5480.8	5933.3	6434.6
62.5°	3590.4	3627.5	3695.0	3821.6	4000.5	4248.6	4569.3	5025.1	5607.5	6319.8	7209.3
65°	3246.0	3262.9	3345.6	3473.9	3632.5	3906.0	4258.8	4809.0	5566.9	6557.8	7783.3
66°	3090.7	3119.4	3170.1	3273.0	3424.9	3681.5	4036.0	4594.7	5413.4	6475.1	7768.1
67.5°	2847.7	2869.5	2903.3	2972.5	3065.4	3254.4	3590.4	4118.7	4944.1	6056.5	7445.7
70°	2302.4	2312.5	2358.1	2381.8	2413.8	2476.3	2597.8	2901.7	3544.8	4589.6	6009.2
72.5°	1569.8	1598.5	1647.5	1715.0	1802.8	1887.2	1944.6	1983.4	2121.8	2737.9	4003.9
75°	1151.2	1181.6	1244.0	1333.5	1487.2	1662.7	1845.0	1929.3	1872.0	1792.6	2229.8
77.5°	668.4	708.9	761.2	847.4	989.1	1222.1	1534.4	1811.2	1998.5	2010.4	1909.1
80°	281.9	286.9	319.1	362.9	450.7	614.4	857.5	1255.9	1671.1	1951.3	2017.1
82.5°	64.1	79.4	101.2	119.9	146.8	202.6	300.4	499.7	903.1	1416.2	1846.6
85°	23.6	23.6	32.0	47.3	54.0	60.7	79.4	126.6	216.1	398.3	830.5
87.5°	0.0	1.7	3.4	3.4	6.7	8.4	13.5	18.5	16.9	15.2	50.7
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°	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9
2.5°	1688.0	1686.3	1682.9	1682.9	1682.9	1682.9	1679.6	1681.2	1677.8	1679.6	1679.6
5°	1686.3	1686.3	1684.6	1681.2	1682.9	1682.9	1684.6	1681.2	1681.2	1682.9	1681.2
7.5°	1686.3	1684.6	1684.6	1684.6	1686.3	1684.6	1686.3	1686.3	1686.3	1688.0	1688.0
10°	1686.3	1686.3	1689.6	1691.4	1691.4	1693.1	1698.1	1698.1	1699.8	1701.5	1704.9
12.5°	1688.0	1694.7	1699.8	1704.9	1706.5	1709.9	1718.3	1718.3	1721.8	1726.8	1728.5
15°	1689.6	1699.8	1709.9	1713.3	1716.7	1723.4	1731.9	1735.2	1740.3	1745.4	1748.7
17.5°	1688.0	1701.5	1713.3	1718.3	1723.4	1731.9	1742.0	1745.4	1752.1	1758.9	1765.6
20°	1686.3	1704.9	1723.4	1730.2	1736.9	1748.7	1762.3	1770.7	1777.4	1787.6	1794.3
22.5°	1696.4	1718.3	1743.7	1753.8	1765.6	1780.8	1799.4	1809.5	1817.9	1828.1	1833.2
25°	1728.5	1745.4	1775.8	1792.6	1807.9	1833.2	1858.4	1870.3	1880.4	1888.8	1890.6
27.5°	1782.5	1787.6	1824.7	1846.6	1868.6	1909.1	1939.5	1948.0	1966.5	1973.3	1971.6
30°	1870.3	1861.9	1892.2	1926.0	1958.0	2013.8	2050.9	2072.8	2089.7	2089.7	2076.3
32.5°	1996.9	1983.4	1991.8	2030.7	2067.8	2148.8	2192.6	2221.3	2233.2	2229.8	2201.1
35°	2162.3	2153.9	2148.8	2179.2	2238.2	2332.7	2390.2	2405.4	2423.9	2420.5	2383.4
37.5°	2358.1	2351.4	2351.4	2386.8	2444.2	2584.2	2646.7	2656.9	2655.2	2628.2	2559.0
40°	2589.3	2586.0	2570.8	2591.1	2640.0	2822.3	2906.7	2920.2	2901.7	2857.7	2776.7
42.5°	2921.9	2901.7	2854.4	2866.2	2903.3	3080.5	3190.3	3227.5	3208.8	3165.0	3033.3
45°	3355.8	3333.8	3254.4	3244.4	3264.6	3419.9	3561.7	3570.1	3566.7	3511.0	3355.8
47.5°	3865.5	3831.7	3747.4	3720.3	3713.6	3857.0	3993.8	4007.3	3998.9	3916.2	3708.5
50°	4417.4	4368.5	4312.7	4294.2	4267.3	4370.2	4508.6	4510.3	4476.5	4361.8	4167.7
52.5°	5006.5	4989.6	4979.6	4960.9	4949.1	5038.7	5123.0	5072.4	5021.8	4901.9	4733.1
55°	5600.7	5669.9	5740.8	5747.6	5767.9	5864.0	5862.4	5723.9	5686.8	5620.9	5453.9
57.5°	6232.0	6488.6	6711.4	6780.6	6848.2	7027.0	7010.2	6873.5	6826.2	6745.2	6606.7
60°	7091.2	7783.3	8426.4	8580.0	8686.3	8900.7	8880.5	8669.4	8767.4	8760.6	8581.7
62.5°	8294.7	9445.9	10409.7	10646.1	10720.4	10744.0	10615.8	10387.9	10484.0	10592.1	10041.8
65°	9110.1	10463.8	11453.0	11635.2	11645.4	11363.5	11078.2	10809.8	10786.2	10693.4	9906.7
66°	9128.6	10514.4	11506.9	11684.2	11621.8	11236.9	10875.6	10605.6	10489.1	10284.9	9469.5
67.5°	8801.1	10198.8	11267.3	11454.6	11317.9	10772.7	10274.7	9927.0	9699.2	9368.3	8649.2
70°	7391.7	8777.5	10094.1	10443.5	10487.5	9673.8	8983.4	8574.9	8267.8	7813.7	7194.2
72.5°	5496.1	6748.6	7909.8	8244.1	8414.6	7764.8	7182.4	6871.8	6451.5	5973.8	5533.2
75°	3445.2	4329.6	5107.9	5342.5	5182.1	4679.1	4329.6	4199.7	3786.1	3500.8	3300.0
77.5°	1969.8	2246.7	2309.1	2219.7	2030.7	1554.6	1105.6	818.7	710.7	786.6	867.7
80°	1922.6	1762.3	1404.4	1235.6	1119.2	769.7	452.3	310.6	258.2	265.0	286.9
82.5°	2083.0	2234.9	1839.9	1500.6	1259.3	850.8	469.2	249.8	168.8	199.2	224.5
85°	1353.8	1883.8	1696.4	1429.7	1157.9	727.6	386.5	129.9	86.1	113.1	155.3
87.5°	136.7	150.3	128.3	173.9	129.9	60.7	30.4	18.5	16.9	20.2	30.4
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°	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9	1682.9
2.5°	1681.2	1681.2	1682.9	1684.6	1686.3	1688.0	1688.0	1688.0	1688.0	1691.4	1689.6
5°	1684.6	1688.0	1691.4	1693.1	1696.4	1696.4	1701.5	1699.8	1699.8	1704.9	1706.5
7.5°	1691.4	1696.4	1703.2	1701.5	1708.2	1706.5	1709.9	1709.9	1704.9	1706.5	1703.2
10°	1706.5	1713.3	1716.7	1711.6	1713.3	1706.5	1704.9	1696.4	1686.3	1681.2	1674.5
12.5°	1731.9	1738.7	1738.7	1730.2	1720.1	1704.9	1693.1	1674.5	1659.3	1650.9	1642.4
15°	1753.8	1760.5	1758.9	1745.4	1730.2	1706.5	1689.6	1667.8	1645.8	1632.2	1623.8
17.5°	1770.7	1774.1	1769.0	1750.5	1733.6	1711.6	1694.7	1671.1	1645.8	1628.9	1613.7
20°	1796.1	1792.6	1780.8	1757.2	1738.7	1718.3	1704.9	1684.6	1656.0	1634.0	1612.0
22.5°	1833.2	1819.7	1797.7	1772.3	1753.8	1735.2	1721.8	1699.8	1671.1	1644.1	1618.8
25°	1882.1	1855.1	1824.7	1797.7	1780.8	1760.5	1745.4	1721.8	1691.4	1660.9	1630.6
27.5°	1953.0	1905.7	1866.9	1843.3	1824.7	1799.4	1780.8	1750.5	1718.3	1682.9	1649.1
30°	2032.3	1968.2	1931.1	1912.4	1892.2	1865.2	1836.5	1797.7	1760.5	1721.8	1681.2
32.5°	2135.3	2057.6	2022.2	2003.6	1976.6	1942.9	1909.1	1865.2	1812.8	1762.3	1713.3
35°	2270.4	2191.0	2153.9	2125.2	2088.1	2044.1	1995.2	1936.2	1865.2	1797.7	1735.2
37.5°	2415.5	2329.4	2294.0	2263.6	2207.9	2150.5	2081.2	1995.2	1899.0	1809.5	1731.9
40°	2599.5	2520.2	2474.6	2422.3	2356.4	2256.8	2148.8	2023.9	1900.6	1791.0	1699.8
42.5°	2832.4	2753.1	2685.6	2602.9	2488.1	2334.5	2180.8	2018.9	1870.3	1745.4	1647.5
45°	3141.3	3045.1	2928.6	2783.5	2597.8	2383.4	2182.6	1986.7	1812.8	1674.5	1569.8
47.5°	3519.5	3372.5	3181.9	2937.1	2670.4	2396.9	2155.5	1922.6	1723.4	1573.2	1456.7
50°	3968.4	3737.2	3423.2	3063.7	2707.6	2376.7	2088.1	1826.4	1596.8	1436.5	1298.0
52.5°	4481.6	4103.5	3640.9	3154.8	2705.8	2309.1	1973.3	1681.2	1431.4	1252.4	1120.8
55°	5084.2	4522.1	3865.5	3222.4	2658.5	2184.2	1797.7	1477.0	1227.2	1061.8	940.2
57.5°	5967.0	5200.6	4257.1	3327.0	2564.0	1991.8	1559.7	1232.2	1012.7	855.9	752.8
60°	7580.7	6333.3	4962.7	3538.0	2418.9	1709.9	1281.1	970.6	786.6	660.0	590.8
62.5°	8796.1	7209.3	5344.1	3490.8	2126.8	1362.2	950.4	707.3	579.0	492.8	449.0
65°	8622.2	6937.6	4937.3	3006.3	1667.8	960.4	631.3	481.0	398.3	357.8	332.5
66°	8228.9	6583.1	4584.6	2705.8	1441.6	798.4	519.9	403.4	342.7	314.0	297.1
67.5°	7482.8	5924.8	3953.3	2218.0	1107.4	579.0	391.6	319.1	278.5	266.7	254.9
70°	6220.2	4724.7	2775.0	1291.3	565.5	322.4	248.1	222.8	212.6	211.0	207.7
72.5°	4766.8	3343.9	1634.0	611.1	293.7	214.4	192.4	184.0	180.6	180.6	182.3
75°	2921.9	1878.8	722.5	298.8	205.9	180.6	170.5	167.2	165.4	167.2	165.4
77.5°	975.6	597.5	308.9	226.2	187.4	167.2	160.3	157.0	157.0	157.0	157.0
80°	298.8	260.0	236.3	209.3	177.2	158.7	148.5	146.8	148.5	150.3	145.2
82.5°	224.5	212.6	199.2	185.7	160.3	141.8	138.4	138.4	138.4	133.4	126.6
85°	165.4	163.7	135.0	126.6	118.1	118.1	118.1	118.1	113.1	104.7	97.9
87.5°	30.4	28.7	30.4	32.0	47.3	50.7	50.7	54.0	59.1	55.8	55.8
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):

	160°	165°	170°	175°	180°
0°	1682.9	1682.9	1682.9	1682.9	1682.9
2.5°	1689.6	1688.0	1693.1	1689.6	1691.4
5°	1704.9	1703.2	1706.5	1703.2	1708.2
7.5°	1699.8	1696.4	1694.7	1696.4	1698.1
10°	1664.4	1660.9	1659.3	1657.6	1659.3
12.5°	1634.0	1627.3	1627.3	1623.8	1625.5
15°	1612.0	1606.9	1605.3	1601.9	1603.6
17.5°	1601.9	1593.5	1590.1	1586.7	1586.7
20°	1595.1	1585.0	1580.0	1576.6	1574.9
22.5°	1595.1	1580.0	1573.2	1569.8	1568.2
25°	1601.9	1583.3	1573.2	1568.2	1566.4
27.5°	1615.4	1591.8	1580.0	1573.2	1573.2
30°	1639.1	1608.6	1591.8	1583.3	1581.7
32.5°	1662.7	1622.2	1598.5	1588.4	1585.0
35°	1674.5	1622.2	1593.5	1576.6	1573.2
37.5°	1660.9	1600.2	1564.8	1539.5	1534.4
40°	1618.8	1554.6	1515.9	1492.1	1488.8
42.5°	1563.1	1500.6	1455.0	1438.1	1433.1
45°	1487.2	1412.8	1367.3	1343.6	1345.3
47.5°	1357.1	1281.1	1240.6	1218.8	1222.1
50°	1203.5	1129.2	1093.8	1070.2	1075.2
52.5°	1034.7	967.3	933.5	921.7	918.2
55°	857.5	805.2	781.6	768.1	763.0
57.5°	695.4	658.3	641.5	624.6	626.2
60°	548.6	530.1	525.0	506.4	504.7
62.5°	432.1	420.3	415.2	401.8	403.4
65°	327.5	324.0	327.5	319.1	322.4
66°	295.4	297.1	297.1	292.0	295.4
67.5°	254.9	258.2	263.3	258.2	261.7
70°	211.0	214.4	217.7	217.7	217.7
72.5°	184.0	187.4	189.0	189.0	189.0
75°	168.8	170.5	172.1	168.8	168.8
77.5°	158.7	158.7	155.3	153.6	151.9
80°	143.5	141.8	136.7	133.4	133.4
82.5°	119.9	116.5	113.1	108.0	108.0
85°	91.2	87.8	84.4	77.6	74.3
87.5°	47.3	48.9	47.3	38.9	33.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)