

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: P181468

Luminaire Tested: **ICM-E06-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181468
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: ICM-E06-LED-E1-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15721.2 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
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

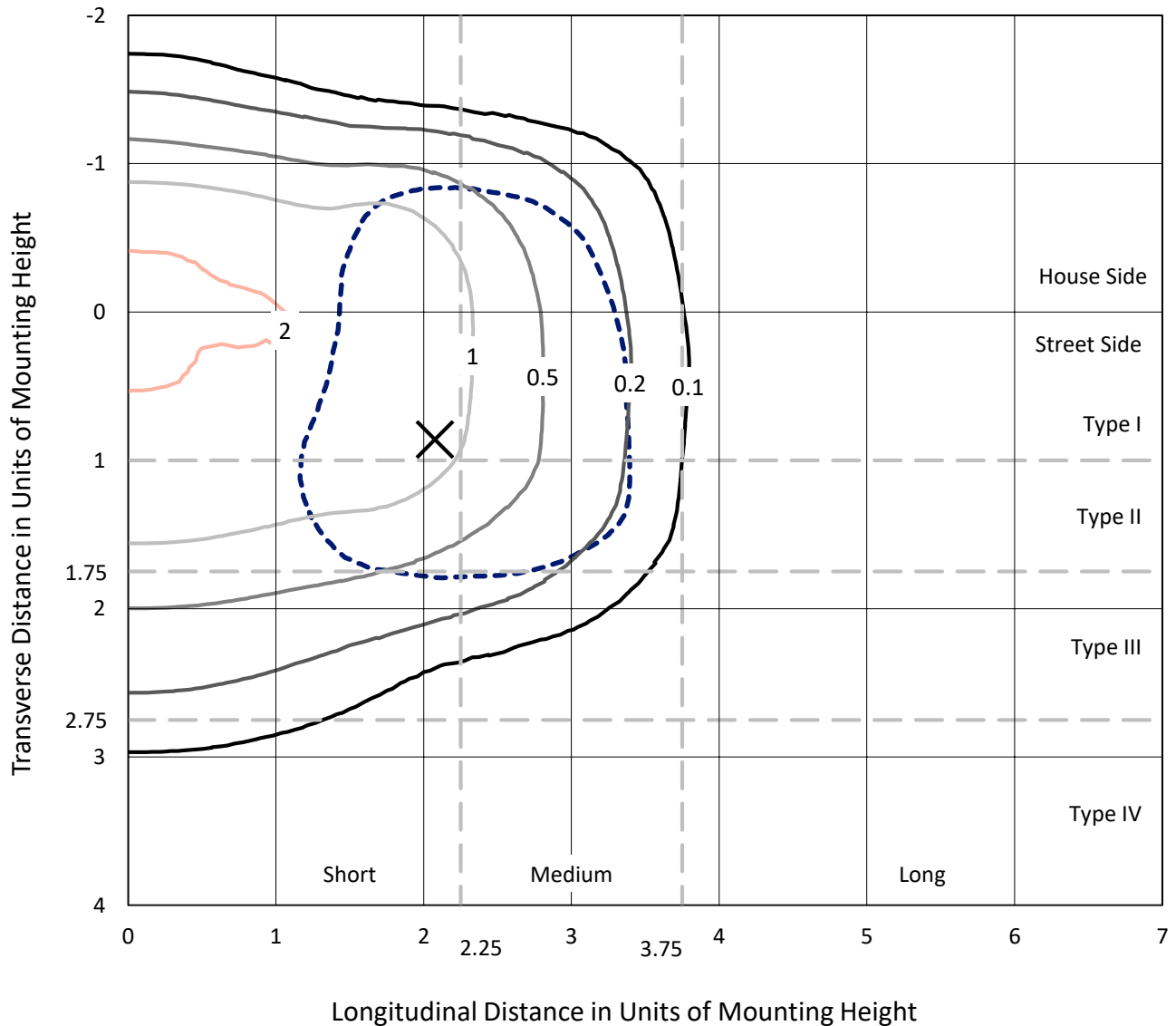


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

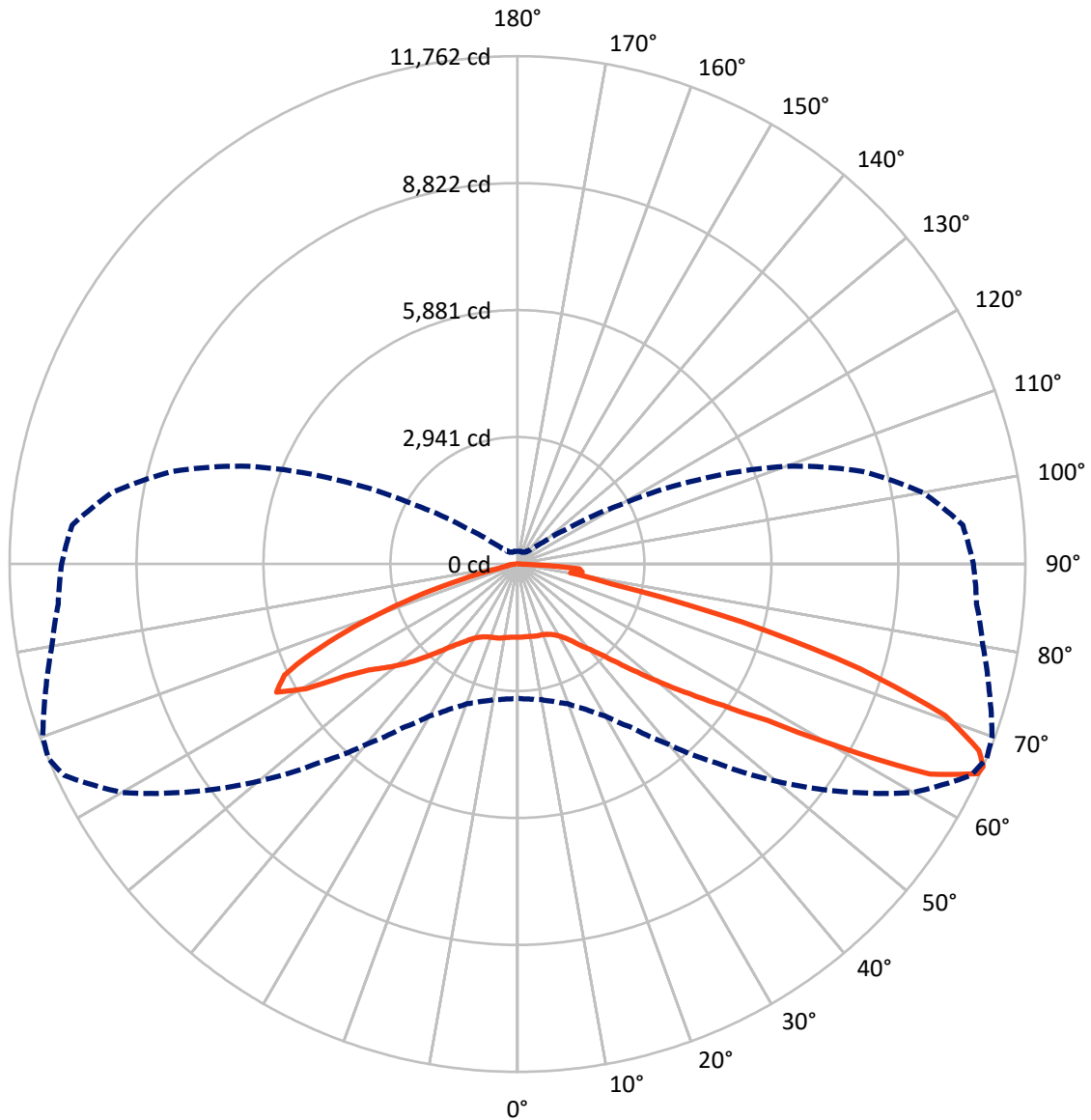


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5429.0	0.0	5429.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	10292.2	0.0	10292.2
	% Fixture	65.5	0.0	65.5
Total	Lumens	15721.2	0.0	15721.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.0
10°-20°	478.9	3.0
20°-30°	823.0	5.2
30°-40°	1336.4	8.5
40°-50°	2231.1	14.2
50°-60°	3513.2	22.3
60°-70°	4790.6	30.5
70°-80°	2073.8	13.2
80°-90°	311.8	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°	15721.2	100.0
0°-180°	15721.2	100.0



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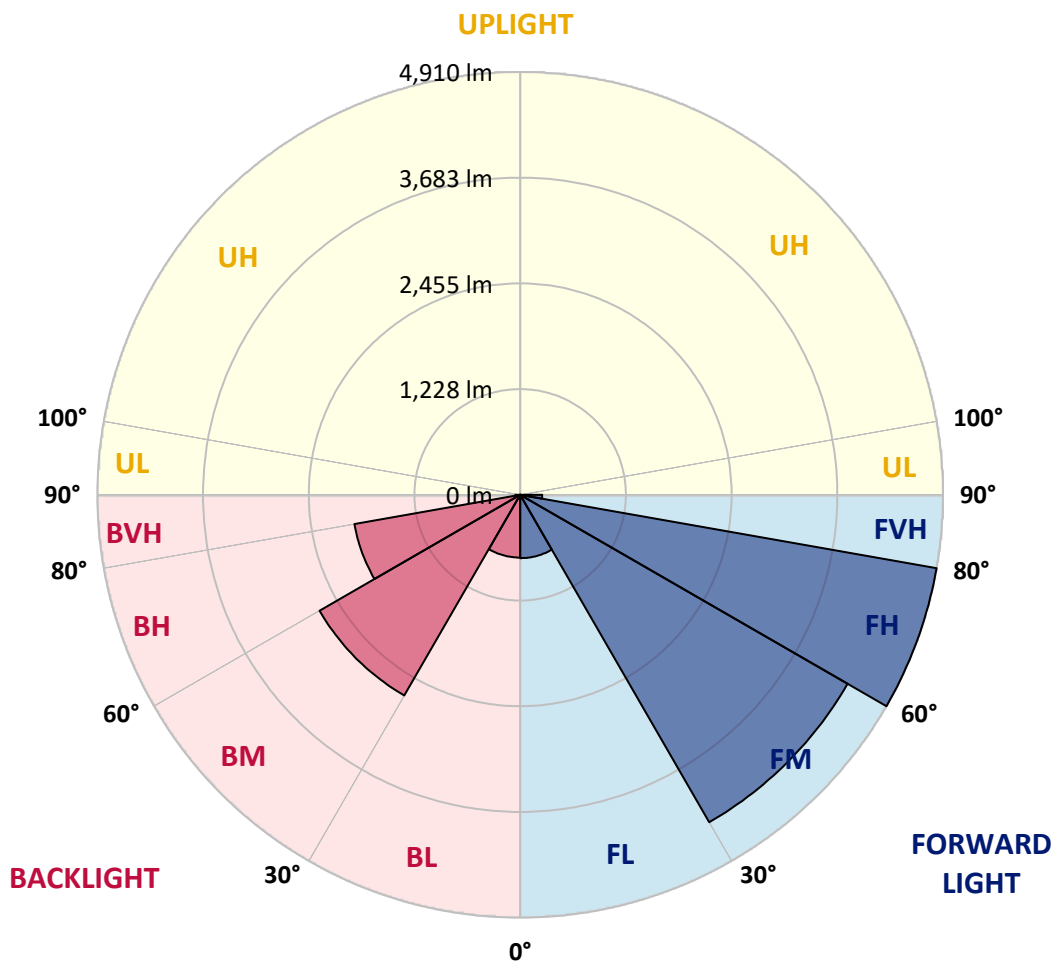
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.5	4.7			
FM (30°-60°)	4390.4	27.9			
FH (60°-80°)	4910.3	31.2			G2/5000
FVH (80°-90°)	256.0	1.6			G3/500
BL (0°-30°)	728.7	4.6	B2/1000		
BM (30°-60°)	2690.3	17.1	B3/5000		
BH (60°-80°)	1954.2	12.4	B3/2500		G3/2500
BVH (80°-90°)	55.8	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°	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1
2.5°	1700.9	1707.7	1700.9	1702.7	1704.4	1702.7	1700.9	1700.9	1695.8	1699.3	1702.7
5°	1694.1	1699.3	1697.6	1699.3	1700.9	1699.3	1697.6	1699.3	1695.8	1697.6	1702.7
7.5°	1685.7	1684.0	1685.7	1689.0	1692.5	1692.5	1692.5	1694.1	1692.5	1692.5	1697.6
10°	1660.2	1661.9	1665.3	1670.3	1672.1	1677.2	1677.2	1682.2	1684.0	1687.4	1694.1
12.5°	1627.9	1629.6	1633.0	1636.4	1644.8	1653.4	1653.4	1665.3	1670.3	1678.9	1690.8
15°	1604.1	1605.8	1609.2	1612.6	1619.4	1627.9	1633.0	1646.6	1655.1	1670.3	1687.4
17.5°	1617.7	1616.0	1619.4	1621.1	1621.1	1627.9	1627.9	1638.1	1648.3	1661.9	1684.0
20°	1656.8	1656.8	1660.2	1660.2	1658.5	1661.9	1655.1	1655.1	1656.8	1663.5	1678.9
22.5°	1695.8	1694.1	1700.9	1704.4	1706.1	1711.2	1704.4	1702.7	1694.1	1689.0	1694.1
25°	1733.2	1731.5	1740.0	1745.1	1753.7	1758.7	1758.7	1758.7	1751.9	1743.5	1738.3
27.5°	1791.0	1791.0	1799.5	1804.7	1811.5	1821.6	1826.7	1826.7	1828.4	1816.5	1808.0
30°	1887.9	1889.6	1891.3	1898.1	1904.8	1908.3	1915.1	1920.2	1925.3	1918.4	1904.8
32.5°	2003.5	1993.2	1993.2	2003.5	2011.9	2022.2	2025.5	2032.3	2042.5	2037.4	2035.7
35°	2141.0	2137.7	2134.2	2137.7	2147.8	2159.7	2173.4	2185.2	2178.4	2188.7	2183.5
37.5°	2344.9	2348.4	2350.1	2350.1	2348.4	2351.8	2358.6	2370.4	2367.1	2370.4	2377.3
40°	2681.4	2669.5	2657.7	2659.4	2642.3	2645.8	2618.5	2630.4	2632.2	2620.3	2625.4
42.5°	3017.9	3024.7	3029.8	3043.4	3031.5	3024.7	2999.2	2999.2	2985.6	2973.7	2970.3
45°	3381.5	3395.1	3396.9	3424.0	3413.8	3435.9	3454.6	3449.5	3427.5	3425.7	3402.0
47.5°	3672.1	3694.2	3718.0	3750.3	3775.7	3825.0	3882.8	3911.7	3928.7	3942.3	3915.1
50°	3889.6	3899.8	3961.0	4011.9	4068.0	4149.6	4229.5	4333.1	4416.4	4455.5	4492.9
52.5°	4006.9	4032.4	4098.6	4178.5	4277.0	4399.4	4528.6	4693.3	4836.1	4931.3	5016.2
55°	4032.4	4057.9	4132.6	4234.5	4368.8	4533.6	4718.8	4943.2	5157.2	5340.8	5519.2
57.5°	3961.0	3989.9	4069.7	4187.0	4345.0	4545.5	4778.4	5072.3	5367.9	5665.3	5928.8
60°	3830.2	3865.8	3938.9	4054.4	4229.5	4455.5	4734.2	5102.9	5517.5	5973.0	6477.6
62.5°	3614.3	3651.7	3719.7	3847.2	4027.3	4277.0	4599.9	5058.7	5645.0	6362.1	7257.5
65°	3267.6	3284.7	3367.9	3497.1	3656.9	3932.1	4287.3	4841.2	5604.2	6601.6	7835.3
66°	3111.4	3140.2	3191.2	3294.9	3447.8	3706.1	4062.9	4625.4	5449.5	6518.4	7820.0
67.5°	2866.6	2888.8	2922.7	2992.4	3085.9	3276.2	3614.3	4146.2	4977.1	6097.0	7495.5
70°	2317.8	2328.0	2373.9	2397.7	2430.0	2492.9	2615.2	2921.0	3568.5	4620.3	6049.4
72.5°	1580.3	1609.2	1658.5	1726.4	1814.8	1899.8	1957.6	1996.7	2136.0	2756.2	4030.6
75°	1158.9	1189.5	1252.4	1342.4	1497.0	1673.8	1857.3	1942.2	1884.5	1804.7	2244.8
77.5°	672.9	713.7	766.3	853.0	995.7	1230.2	1544.7	1823.3	2011.9	2023.8	1921.9
80°	283.8	288.8	321.1	365.3	453.7	618.5	863.3	1264.3	1682.2	1964.4	2030.6
82.5°	64.6	79.9	102.0	120.7	147.8	203.9	302.5	503.0	909.1	1425.7	1859.0
85°	23.8	23.8	32.3	47.5	54.4	61.2	79.9	127.4	217.5	401.0	836.0
87.5°	0.0	1.7	3.4	3.4	6.8	8.5	13.6	18.7	17.0	15.3	51.0
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1
2.5°	1699.3	1697.6	1694.1	1694.1	1694.1	1694.1	1690.8	1692.5	1689.0	1690.8	1690.8
5°	1697.6	1697.6	1695.8	1692.5	1694.1	1694.1	1695.8	1692.5	1692.5	1694.1	1692.5
7.5°	1697.6	1695.8	1695.8	1695.8	1697.6	1695.8	1697.6	1697.6	1697.6	1699.3	1699.3
10°	1697.6	1697.6	1700.9	1702.7	1702.7	1704.4	1709.5	1709.5	1711.2	1712.8	1716.3
12.5°	1699.3	1706.1	1711.2	1716.3	1718.0	1721.3	1729.9	1729.9	1733.2	1738.3	1740.0
15°	1700.9	1711.2	1721.3	1724.8	1728.2	1735.0	1743.5	1746.8	1751.9	1757.0	1760.5
17.5°	1699.3	1712.8	1724.8	1729.9	1735.0	1743.5	1753.7	1757.0	1763.8	1770.6	1777.4
20°	1697.6	1716.3	1735.0	1741.8	1748.6	1760.5	1774.1	1782.5	1789.3	1799.5	1806.3
22.5°	1707.7	1729.9	1755.4	1765.5	1777.4	1792.8	1811.5	1821.6	1830.2	1840.3	1845.4
25°	1740.0	1757.0	1787.6	1804.7	1819.9	1845.4	1870.9	1882.8	1892.9	1901.5	1903.2
27.5°	1794.4	1799.5	1836.9	1859.0	1881.1	1921.9	1952.5	1960.9	1979.6	1986.4	1984.8
30°	1882.8	1874.3	1904.8	1938.9	1971.2	2027.3	2064.6	2086.7	2103.7	2103.7	2090.1
32.5°	2010.2	1996.7	2005.1	2044.2	2081.6	2163.2	2207.4	2236.2	2248.1	2244.8	2215.8
35°	2176.8	2168.3	2163.2	2193.8	2253.2	2348.4	2406.2	2421.4	2440.1	2436.8	2399.4
37.5°	2373.9	2367.1	2367.1	2402.8	2460.6	2601.6	2664.5	2674.6	2672.9	2645.8	2576.1
40°	2606.7	2603.3	2588.0	2608.4	2657.7	2841.1	2926.2	2939.7	2921.0	2876.9	2795.3
42.5°	2941.4	2921.0	2873.5	2885.3	2922.7	3101.1	3211.6	3249.0	3230.3	3186.2	3053.6
45°	3378.2	3356.0	3276.2	3266.0	3286.3	3442.7	3585.4	3594.0	3590.5	3534.4	3378.2
47.5°	3891.3	3857.3	3772.4	3745.1	3738.3	3882.8	4020.5	4034.1	4025.6	3942.3	3733.3
50°	4447.0	4397.7	4341.6	4322.9	4295.7	4399.4	4538.7	4540.4	4506.4	4390.9	4195.5
52.5°	5040.0	5023.0	5012.9	4994.2	4982.3	5072.3	5157.2	5106.3	5055.3	4934.6	4764.8
55°	5638.2	5707.8	5779.2	5786.0	5806.4	5903.3	5901.5	5762.2	5724.9	5658.5	5490.4
57.5°	6273.7	6531.9	6756.3	6826.0	6893.9	7074.1	7057.1	6919.4	6871.9	6790.3	6650.9
60°	7138.6	7835.3	8482.7	8637.4	8744.4	8960.2	8939.9	8727.4	8826.0	8819.2	8639.0
62.5°	8350.2	9509.1	10479.4	10717.3	10792.1	10815.8	10686.7	10457.3	10554.1	10662.9	10108.9
65°	9170.9	10533.7	11529.6	11713.0	11723.2	11439.4	11152.3	10882.1	10858.3	10764.8	9973.0
66°	9189.6	10584.7	11583.9	11762.3	11699.4	11312.0	10948.3	10676.5	10559.2	10353.6	9532.9
67.5°	8860.0	10266.9	11342.6	11531.2	11393.6	10844.7	10343.4	9993.4	9764.0	9430.9	8707.0
70°	7441.1	8836.1	10161.6	10513.4	10557.6	9738.5	9043.5	8632.2	8323.0	7865.9	7242.3
72.5°	5532.8	6793.6	7962.7	8299.2	8470.8	7816.6	7230.4	6917.7	6494.6	6013.7	5570.2
75°	3468.2	4358.6	5142.0	5378.2	5216.8	4710.4	4358.6	4227.7	3811.5	3524.3	3322.1
77.5°	1983.1	2261.7	2324.6	2234.5	2044.2	1565.0	1113.0	824.1	715.4	791.8	873.4
80°	1935.5	1774.1	1413.8	1243.8	1126.6	774.9	455.4	312.7	260.0	266.8	288.8
82.5°	2096.9	2249.9	1852.2	1510.6	1267.6	856.5	472.4	251.5	170.0	200.6	226.0
85°	1362.8	1896.4	1707.7	1439.3	1165.7	732.4	389.1	130.9	86.7	113.9	156.4
87.5°	137.7	151.3	129.1	175.1	130.9	61.2	30.6	18.7	17.0	20.4	30.6
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°	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1	1694.1
2.5°	1692.5	1692.5	1694.1	1695.8	1697.6	1699.3	1699.3	1699.3	1699.3	1702.7	1700.9
5°	1695.8	1699.3	1702.7	1704.4	1707.7	1707.7	1712.8	1711.2	1711.2	1716.3	1718.0
7.5°	1702.7	1707.7	1714.5	1712.8	1719.6	1718.0	1721.3	1721.3	1716.3	1718.0	1714.5
10°	1718.0	1724.8	1728.2	1723.1	1724.8	1718.0	1716.3	1707.7	1697.6	1692.5	1685.7
12.5°	1743.5	1750.2	1750.2	1741.8	1731.5	1716.3	1704.4	1685.7	1670.3	1661.9	1653.4
15°	1765.5	1772.3	1770.6	1757.0	1741.8	1718.0	1700.9	1678.9	1656.8	1643.2	1634.7
17.5°	1782.5	1786.0	1780.8	1762.2	1745.1	1723.1	1706.1	1682.2	1656.8	1639.8	1624.5
20°	1808.0	1804.7	1792.8	1768.9	1750.2	1729.9	1716.3	1695.8	1667.0	1644.8	1622.8
22.5°	1845.4	1831.8	1809.7	1784.2	1765.5	1746.8	1733.2	1711.2	1682.2	1655.1	1629.6
25°	1894.7	1867.5	1836.9	1809.7	1792.8	1772.3	1757.0	1733.2	1702.7	1672.1	1641.5
27.5°	1966.1	1918.4	1879.4	1855.6	1836.9	1811.5	1792.8	1762.2	1729.9	1694.1	1660.2
30°	2045.9	1981.3	1943.9	1925.3	1904.8	1877.7	1848.8	1809.7	1772.3	1733.2	1692.5
32.5°	2149.6	2071.4	2035.7	2017.0	1989.9	1955.8	1921.9	1877.7	1825.0	1774.1	1724.8
35°	2285.5	2205.7	2168.3	2139.4	2102.0	2057.8	2008.6	1949.0	1877.7	1809.7	1746.8
37.5°	2431.6	2344.9	2309.3	2278.7	2222.6	2164.9	2095.2	2008.6	1911.6	1821.6	1743.5
40°	2616.9	2537.0	2491.1	2438.4	2372.2	2271.9	2163.2	2037.4	1913.4	1802.9	1711.2
42.5°	2851.4	2771.5	2703.6	2620.3	2504.8	2350.1	2195.5	2032.3	1882.8	1757.0	1658.5
45°	3162.3	3065.5	2948.2	2802.1	2615.2	2399.4	2197.1	2000.0	1825.0	1685.7	1580.3
47.5°	3543.0	3395.1	3203.1	2956.8	2688.2	2412.9	2170.0	1935.5	1735.0	1583.7	1466.4
50°	3995.0	3762.2	3446.1	3084.2	2725.6	2392.6	2102.0	1838.6	1607.5	1446.1	1306.7
52.5°	4511.6	4130.9	3665.3	3175.9	2723.9	2324.6	1986.4	1692.5	1440.9	1260.8	1128.3
55°	5118.2	4552.3	3891.3	3243.9	2676.4	2198.9	1809.7	1486.9	1235.4	1068.8	946.5
57.5°	6006.9	5235.5	4285.5	3349.2	2581.2	2005.1	1570.1	1240.5	1019.5	861.5	757.9
60°	7631.4	6375.7	4995.8	3561.7	2435.1	1721.3	1289.8	977.1	791.8	664.4	594.7
62.5°	8854.8	7257.5	5379.8	3514.1	2141.0	1371.3	956.7	712.0	582.9	496.2	452.0
65°	8679.9	6983.9	4970.4	3026.4	1678.9	966.9	635.5	484.3	401.0	360.3	334.8
66°	8284.0	6627.1	4615.2	2723.9	1451.2	803.7	523.4	406.1	344.9	316.1	299.1
67.5°	7532.9	5964.4	3979.7	2232.9	1114.7	582.9	394.2	321.1	280.4	268.5	256.6
70°	6261.8	4756.2	2793.6	1299.9	569.2	324.6	249.8	224.3	214.1	212.4	209.0
72.5°	4798.7	3366.3	1644.8	615.2	295.6	215.8	193.7	185.2	181.9	181.9	183.5
75°	2941.4	1891.3	727.3	300.7	207.4	181.9	171.6	168.2	166.5	168.2	166.5
77.5°	982.1	601.6	311.0	227.7	188.7	168.2	161.4	158.0	158.0	158.0	158.0
80°	300.7	261.7	237.9	210.7	178.4	159.7	149.5	147.8	149.5	151.3	146.1
82.5°	226.0	214.1	200.6	186.9	161.4	142.7	139.3	139.3	139.3	134.2	127.4
85°	166.5	164.8	135.9	127.4	119.0	119.0	119.0	119.0	113.9	105.4	98.5
87.5°	30.6	28.9	30.6	32.3	47.5	51.0	51.0	54.4	59.4	56.1	56.1
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):

	160°	165°	170°	175°	180°
0°	1694.1	1694.1	1694.1	1694.1	1694.1
2.5°	1700.9	1699.3	1704.4	1700.9	1702.7
5°	1716.3	1714.5	1718.0	1714.5	1719.6
7.5°	1711.2	1707.7	1706.1	1707.7	1709.5
10°	1675.5	1672.1	1670.3	1668.7	1670.3
12.5°	1644.8	1638.1	1638.1	1634.7	1636.4
15°	1622.8	1617.7	1616.0	1612.6	1614.3
17.5°	1612.6	1604.1	1600.8	1597.3	1597.3
20°	1605.8	1595.6	1590.5	1587.1	1585.4
22.5°	1605.8	1590.5	1583.7	1580.3	1578.6
25°	1612.6	1593.9	1583.7	1578.6	1576.9
27.5°	1626.2	1602.4	1590.5	1583.7	1583.7
30°	1650.0	1619.4	1602.4	1593.9	1592.2
32.5°	1673.8	1633.0	1609.2	1599.0	1595.6
35°	1685.7	1633.0	1604.1	1587.1	1583.7
37.5°	1672.1	1610.9	1575.3	1549.8	1544.7
40°	1629.6	1565.0	1526.0	1502.1	1498.8
42.5°	1573.5	1510.6	1464.8	1447.7	1442.7
45°	1497.0	1422.2	1376.4	1352.7	1354.3
47.5°	1366.2	1289.8	1248.9	1226.9	1230.2
50°	1211.5	1136.8	1101.1	1077.3	1082.4
52.5°	1041.7	973.7	939.7	927.8	924.4
55°	863.3	810.5	786.8	773.1	768.1
57.5°	700.1	662.7	645.7	628.7	630.4
60°	552.3	533.6	528.5	509.8	508.1
62.5°	435.0	423.1	418.0	404.5	406.1
65°	329.7	326.2	329.7	321.1	324.6
66°	297.4	299.1	299.1	294.0	297.4
67.5°	256.6	260.0	265.1	260.0	263.4
70°	212.4	215.8	219.2	219.2	219.2
72.5°	185.2	188.7	190.3	190.3	190.3
75°	170.0	171.6	173.3	170.0	170.0
77.5°	159.7	159.7	156.4	154.6	152.9
80°	144.5	142.7	137.7	134.2	134.2
82.5°	120.7	117.2	113.9	108.7	108.7
85°	91.7	88.4	84.9	78.1	74.8
87.5°	47.5	49.3	47.5	39.1	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)