

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: P181673

Luminaire Tested: **ICM-F06-LED-E1-T4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181673
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-T4-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12717.8 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 156.5
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

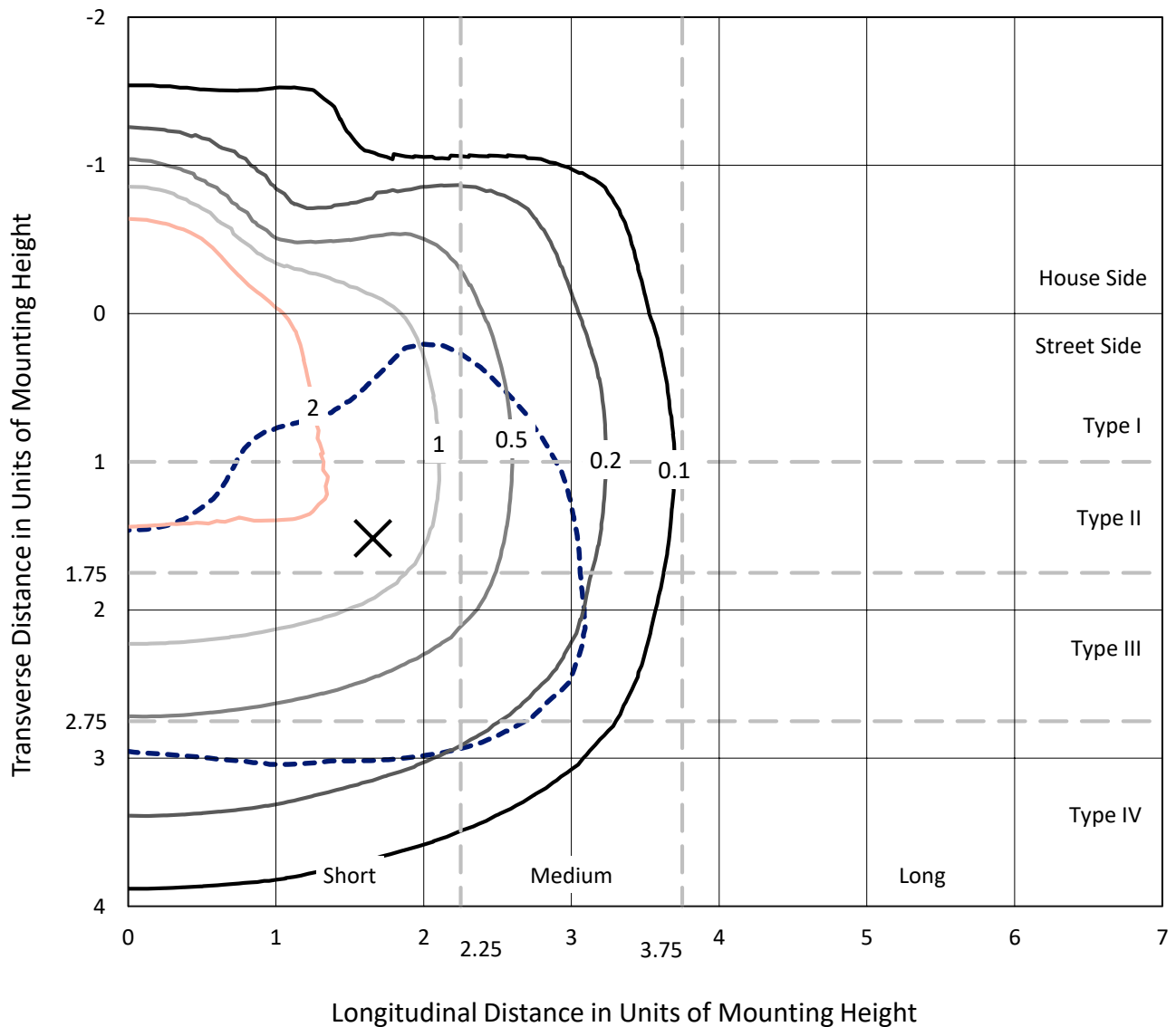


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

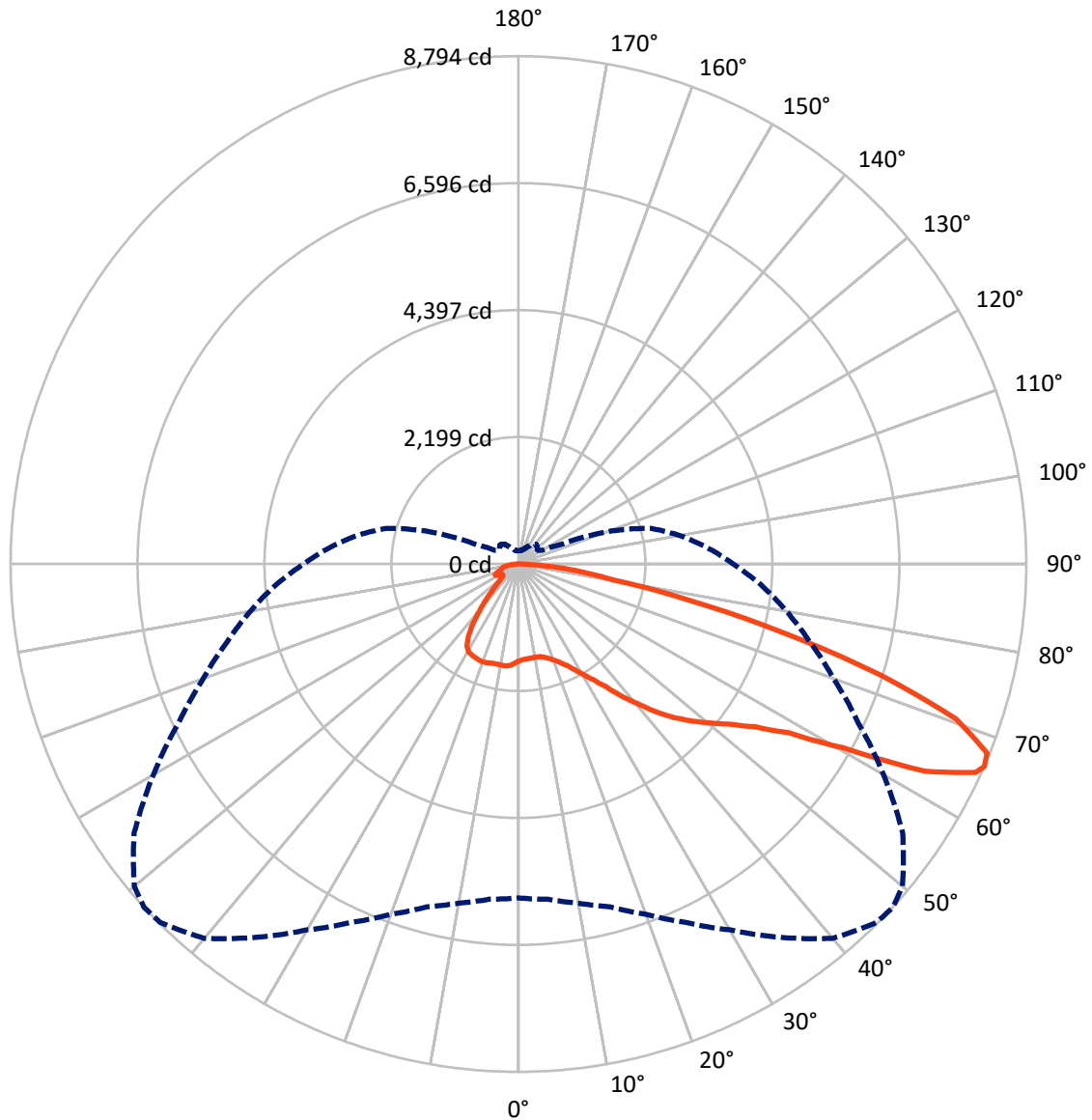


Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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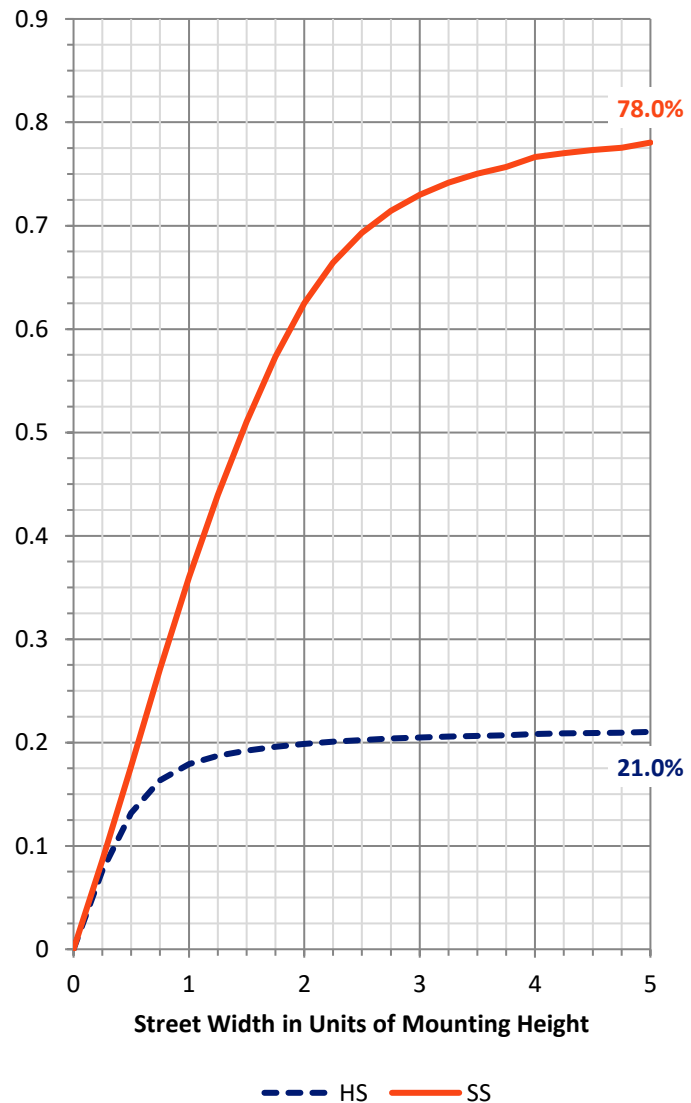
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2713.7	0.0	2713.7
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	10004.2	0.0	10004.2
	% Fixture	78.7	0.0	78.7
Total	Lumens	12717.8	0.0	12717.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	1.3
10°-20°	494.2	3.9
20°-30°	851.3	6.7
30°-40°	1287.9	10.1
40°-50°	1669.3	13.1
50°-60°	2301.5	18.1
60°-70°	3575.8	28.1
70°-80°	2079.3	16.3
80°-90°	295.7	2.3
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°	12717.8	100.0
0°-180°	12717.8	100.0



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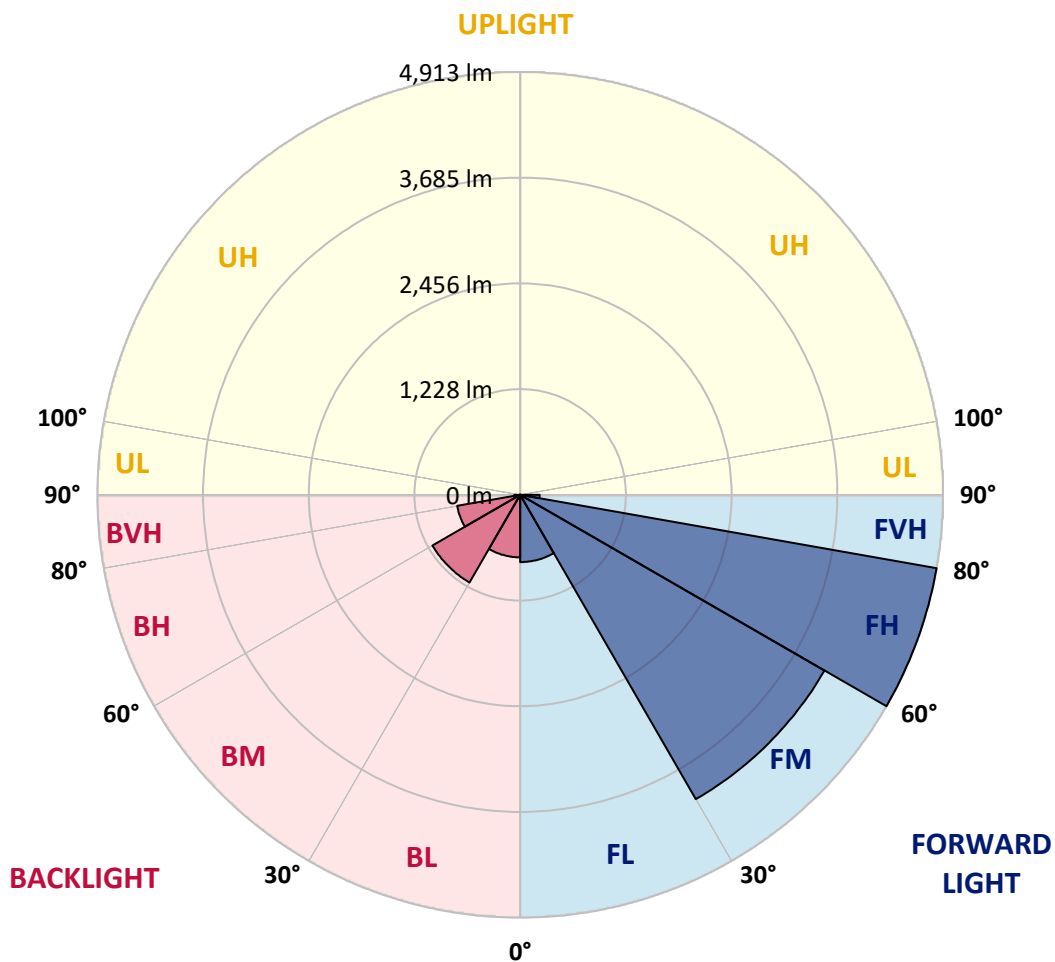
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	781.9	6.1			
FM (30°-60°)	4082.4	32.1			
FH (60°-80°)	4912.9	38.6			G2/5000
FVH (80°-90°)	226.9	1.8			G3/500
BL (0°-30°)	726.4	5.7	B2/1000		
BM (30°-60°)	1176.4	9.2	B2/2500		
BH (60°-80°)	742.2	5.8	B2/1000		G2/1000
BVH (80°-90°)	68.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3
2.5°	1645.5	1651.1	1646.9	1648.3	1648.3	1649.7	1649.7	1651.1	1649.7	1653.9	1656.7
5°	1616.0	1618.8	1617.4	1620.2	1623.0	1628.7	1627.3	1634.2	1635.6	1639.8	1646.9
7.5°	1604.8	1602.0	1603.4	1607.6	1610.4	1613.2	1616.0	1621.6	1625.9	1635.6	1641.2
10°	1616.0	1614.6	1616.0	1618.8	1618.8	1620.2	1617.4	1623.0	1625.9	1634.2	1639.8
12.5°	1662.3	1662.3	1659.5	1659.5	1656.7	1653.9	1646.9	1642.7	1641.2	1642.7	1645.5
15°	1736.7	1733.9	1728.2	1724.0	1718.4	1708.6	1698.8	1690.3	1684.8	1676.3	1673.5
17.5°	1809.6	1805.4	1799.7	1794.2	1787.2	1777.3	1761.9	1752.1	1736.7	1726.8	1721.2
20°	1893.8	1885.3	1878.3	1871.4	1857.3	1854.5	1839.1	1822.2	1804.0	1781.5	1778.7
22.5°	2003.2	1989.1	1980.8	1976.6	1962.5	1958.2	1933.0	1909.2	1886.7	1857.3	1850.2
25°	2114.0	2100.0	2095.7	2090.2	2080.3	2074.7	2050.9	2024.2	1994.8	1954.1	1945.7
27.5°	2222.1	2223.5	2212.2	2216.4	2213.6	2203.7	2179.9	2153.3	2130.8	2083.2	2073.3
30°	2356.7	2348.3	2342.6	2351.1	2341.2	2342.6	2321.6	2307.5	2271.1	2243.1	2223.5
32.5°	2496.9	2495.6	2504.0	2509.6	2508.2	2505.4	2488.6	2474.5	2442.2	2401.6	2393.1
35°	2689.1	2697.6	2704.6	2729.8	2729.8	2748.0	2731.3	2714.4	2676.5	2627.5	2610.6
37.5°	2819.6	2822.4	2850.4	2884.1	2926.3	2965.5	2976.7	2980.9	2965.5	2929.0	2903.7
40°	2938.8	2944.5	2989.3	3041.2	3103.0	3180.1	3226.4	3247.5	3251.6	3234.8	3180.1
42.5°	3058.1	3066.5	3112.8	3188.6	3274.1	3372.3	3453.7	3505.6	3535.0	3535.0	3502.7
45°	3196.9	3208.2	3258.7	3341.4	3441.0	3564.5	3676.7	3776.3	3824.0	3826.8	3795.9
47.5°	3361.0	3370.9	3429.8	3514.0	3616.4	3741.2	3882.9	3996.6	4085.0	4090.5	4065.2
50°	3572.9	3586.9	3636.0	3711.7	3817.0	3943.3	4085.0	4243.5	4336.0	4358.4	4331.8
52.5°	3853.4	3856.3	3897.0	3967.1	4069.5	4190.2	4340.2	4512.8	4634.8	4653.1	4609.5
55°	4240.6	4236.4	4263.1	4338.8	4415.9	4510.0	4665.7	4859.3	4995.3	5023.4	4978.4
57.5°	4766.6	4762.4	4784.9	4803.1	4947.7	5038.8	5191.8	5376.9	5508.8	5590.1	5513.0
60°	5581.7	5577.5	5614.0	5720.6	5828.6	5961.8	6110.5	6332.2	6517.3	6541.2	6465.4
62.5°	6172.2	6193.3	6273.2	6398.1	6617.0	6877.9	7150.0	7441.8	7821.9	7942.6	7906.1
65°	5966.1	6008.1	6118.9	6308.3	6600.1	6960.6	7387.1	7916.0	8425.2	8709.9	8701.4
66°	5780.9	5827.2	5963.3	6145.6	6454.2	6848.4	7314.1	7890.7	8460.2	8774.5	8794.1
67.5°	5444.2	5496.1	5629.4	5845.4	6145.6	6565.1	7065.8	7692.9	8336.8	8702.9	8754.8
70°	4789.1	4848.0	4944.9	5123.0	5419.0	5793.5	6321.0	6882.1	7556.8	7976.2	8039.4
72.5°	4003.6	4055.5	4163.5	4309.3	4552.0	4787.8	5201.5	5615.4	6097.9	6576.2	6530.0
75°	2874.3	2896.8	2961.3	3119.8	3250.3	3462.1	3794.5	4134.0	4463.7	4682.5	4713.3
77.5°	1494.0	1552.8	1644.1	1819.5	1961.1	2151.9	2367.9	2623.2	2864.5	3065.1	3010.3
80°	977.8	1003.0	1084.4	1174.1	1278.0	1400.0	1544.5	1639.8	1670.7	1658.1	1670.7
82.5°	563.9	610.2	718.2	787.0	864.1	906.2	1021.2	1130.6	1192.4	1115.2	1087.2
85°	71.5	92.6	291.8	367.5	420.8	484.0	519.1	584.9	545.7	488.2	594.8
87.5°	15.4	14.0	19.6	42.0	43.4	36.5	68.7	72.9	44.9	22.4	28.1
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3
2.5°	1659.5	1660.9	1663.7	1667.9	1670.7	1673.5	1676.3	1680.6	1683.4	1686.1	1691.7
5°	1652.5	1658.1	1663.7	1669.3	1676.3	1687.5	1694.5	1700.2	1705.8	1717.0	1721.2
7.5°	1648.3	1658.1	1666.5	1676.3	1687.5	1697.4	1710.0	1717.0	1725.4	1732.5	1740.8
10°	1645.5	1659.5	1667.9	1682.0	1694.5	1704.4	1718.4	1726.8	1736.7	1745.0	1749.3
12.5°	1651.1	1658.1	1666.5	1680.6	1696.0	1710.0	1725.4	1732.5	1740.8	1747.9	1749.3
15°	1674.9	1674.9	1676.3	1687.5	1703.0	1714.2	1726.8	1733.9	1738.1	1742.2	1742.2
17.5°	1718.4	1708.6	1701.6	1703.0	1712.8	1719.8	1726.8	1726.8	1724.0	1722.6	1719.8
20°	1768.9	1756.3	1742.2	1732.5	1729.6	1724.0	1719.8	1705.8	1694.5	1684.8	1677.8
22.5°	1841.9	1822.2	1802.6	1784.4	1767.5	1746.4	1722.6	1694.5	1667.9	1649.7	1638.4
25°	1931.6	1916.2	1892.4	1864.3	1843.3	1804.0	1773.1	1732.5	1698.8	1674.9	1655.3
27.5°	2059.3	2041.0	2018.6	1993.3	1962.5	1919.0	1881.1	1833.4	1792.8	1757.7	1732.5
30°	2217.8	2194.0	2177.1	2146.2	2125.2	2076.1	2038.2	1979.4	1900.8	1844.7	1809.6
32.5°	2380.6	2353.9	2339.8	2316.0	2292.2	2262.7	2205.2	2114.0	2013.0	1921.8	1861.5
35°	2598.0	2569.9	2544.7	2523.6	2488.6	2433.9	2383.4	2273.9	2135.1	2007.4	1906.4
37.5°	2871.5	2825.2	2762.1	2708.8	2647.1	2568.5	2491.4	2379.1	2220.6	2055.1	1920.4
40°	3163.3	3081.9	2992.1	2892.6	2786.0	2672.3	2583.9	2470.3	2292.2	2095.7	1910.6
42.5°	3467.6	3338.6	3213.8	3073.5	2924.9	2790.2	2675.1	2550.2	2345.5	2107.0	1871.4
45°	3769.3	3624.8	3435.5	3251.6	3063.6	2896.8	2767.7	2627.5	2394.5	2111.2	1819.5
47.5°	4019.0	3870.3	3654.3	3424.2	3201.1	3011.7	2860.3	2708.8	2460.5	2140.7	1806.8
50°	4282.7	4101.8	3861.9	3589.7	3337.2	3125.4	2964.1	2807.0	2553.0	2216.4	1847.5
52.5°	4570.3	4362.6	4082.1	3777.7	3501.3	3264.3	3088.9	2927.6	2670.9	2323.0	1924.7
55°	4921.0	4667.1	4362.6	4019.0	3723.0	3460.7	3267.1	3076.3	2811.2	2449.2	2021.4
57.5°	5456.9	5145.4	4803.1	4411.7	4083.5	3773.5	3542.1	3321.8	3028.6	2637.2	2153.3
60°	6426.2	6093.7	5649.1	5174.9	4789.1	4427.2	4087.7	3814.2	3453.7	3007.6	2445.0
62.5°	7814.9	7373.1	6779.7	6116.1	5611.1	5089.3	4706.4	4299.6	3852.0	3370.9	2788.8
65°	8586.5	8050.6	7256.6	6486.5	5837.0	5270.3	4783.5	4312.2	3815.6	3355.5	2868.7
66°	8681.8	8123.6	7298.7	6487.9	5806.2	5223.9	4711.9	4223.7	3716.0	3277.0	2835.0
67.5°	8642.6	8071.7	7221.5	6365.8	5672.9	5047.2	4518.4	4011.9	3505.6	3095.9	2722.8
70°	7998.7	7457.3	6622.6	5793.5	5135.6	4518.4	4013.4	3515.4	3051.1	2700.4	2425.4
72.5°	6642.2	6179.3	5454.1	4803.1	4286.9	3777.7	3349.9	2874.3	2481.5	2222.1	2059.3
75°	4794.7	4514.2	3853.4	3480.3	3027.2	2689.1	2273.9	1991.9	1710.0	1583.7	1555.7
77.5°	3028.6	2651.3	2231.8	1837.7	1510.8	1252.7	975.0	827.6	690.1	676.1	816.4
80°	1533.2	1380.4	1063.4	847.3	712.7	576.6	455.9	345.1	241.3	290.4	347.9
82.5°	1004.4	837.5	656.5	540.1	470.0	390.0	303.0	210.4	154.3	174.0	238.5
85°	542.9	462.9	373.1	294.6	238.5	213.2	143.1	101.0	99.6	106.6	136.1
87.5°	39.3	39.3	30.9	28.1	33.7	28.1	25.2	25.2	23.8	25.2	33.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3	1676.3
2.5°	1694.5	1698.8	1700.2	1707.2	1711.4	1714.2	1717.0	1717.0	1718.4	1722.6	1724.0
5°	1726.8	1733.9	1742.2	1747.9	1750.7	1759.1	1761.9	1761.9	1764.7	1770.3	1774.5
7.5°	1746.4	1756.3	1764.7	1767.5	1773.1	1775.9	1780.1	1783.0	1783.0	1788.6	1791.4
10°	1753.5	1759.1	1767.5	1767.5	1773.1	1773.1	1777.3	1778.7	1778.7	1784.4	1788.6
12.5°	1753.5	1756.3	1763.3	1763.3	1767.5	1768.9	1774.5	1778.7	1780.1	1787.2	1792.8
15°	1745.0	1747.9	1753.5	1754.9	1764.7	1770.3	1783.0	1791.4	1791.4	1798.3	1801.2
17.5°	1721.2	1728.2	1739.5	1750.7	1768.9	1781.5	1796.9	1804.0	1798.3	1794.2	1790.0
20°	1682.0	1694.5	1721.2	1749.3	1781.5	1798.3	1806.8	1799.7	1780.1	1760.5	1747.9
22.5°	1642.7	1667.9	1712.8	1754.9	1791.4	1802.6	1798.3	1773.1	1740.8	1717.0	1700.2
25°	1660.9	1690.3	1733.9	1771.7	1795.5	1792.8	1775.9	1740.8	1705.8	1674.9	1646.9
27.5°	1736.7	1768.9	1792.8	1805.4	1802.6	1783.0	1756.3	1717.0	1674.9	1634.2	1595.0
30°	1808.2	1825.0	1830.6	1820.8	1798.3	1766.2	1732.5	1687.5	1631.5	1580.9	1536.0
32.5°	1840.5	1823.6	1796.9	1770.3	1733.9	1705.8	1659.5	1610.4	1540.3	1479.9	1435.1
35°	1840.5	1773.1	1705.8	1649.7	1595.0	1559.9	1506.6	1440.7	1376.1	1325.6	1290.5
37.5°	1799.7	1670.7	1559.9	1468.8	1400.0	1362.1	1282.1	1223.3	1168.6	1151.7	1129.2
40°	1725.4	1534.6	1374.7	1255.4	1168.6	1112.4	1032.5	991.7	970.7	962.3	958.1
42.5°	1625.9	1383.2	1170.0	1022.6	928.7	865.5	812.2	787.0	785.6	784.2	784.2
45°	1519.2	1220.4	970.7	795.4	712.7	656.5	631.3	621.4	629.9	628.5	629.9
47.5°	1453.3	1096.9	788.4	601.8	538.7	502.2	489.6	493.8	500.8	498.0	498.0
50°	1444.8	1033.9	666.3	468.6	420.8	402.6	399.8	399.8	404.0	401.2	399.8
52.5°	1475.7	1024.0	603.2	402.6	364.7	349.3	346.5	345.1	343.7	335.3	328.3
55°	1529.0	1046.5	584.9	385.8	346.5	329.7	325.5	322.6	317.0	305.8	293.2
57.5°	1635.6	1116.7	601.8	394.1	352.1	338.0	333.9	333.9	322.6	304.4	286.1
60°	1892.4	1294.8	670.5	426.4	378.8	364.7	367.5	366.1	349.3	322.6	294.6
62.5°	2223.5	1527.6	760.3	471.4	412.4	409.6	423.6	420.8	392.7	352.1	311.4
65°	2376.3	1637.0	785.6	481.1	419.4	432.1	460.1	457.3	422.2	366.1	314.2
66°	2379.1	1637.0	774.3	472.7	409.6	425.0	453.1	451.7	416.7	360.6	308.7
67.5°	2321.6	1592.2	742.1	455.9	390.0	401.2	426.4	425.0	392.7	346.5	297.4
70°	2105.6	1425.2	659.4	426.4	363.4	357.7	366.1	360.6	339.4	307.2	273.6
72.5°	1804.0	1196.6	575.2	404.0	345.1	322.6	317.0	312.8	296.0	277.8	256.7
75°	1421.0	946.9	505.0	387.2	328.3	298.8	288.9	283.4	272.1	259.5	242.7
77.5°	876.7	677.6	440.5	364.7	315.6	286.1	279.2	270.7	253.9	238.5	225.9
80°	391.4	419.4	362.0	318.4	282.0	255.4	244.1	231.4	214.6	204.8	197.8
82.5°	260.9	270.7	262.3	238.5	213.2	192.2	175.3	175.3	172.6	164.1	161.3
85°	167.0	168.4	162.7	147.3	137.5	124.8	117.9	119.3	124.8	123.4	122.0
87.5°	37.9	37.9	44.9	42.0	49.1	51.9	56.1	60.3	68.7	68.7	72.9
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):

	160°	165°	170°	175°	180°
0°	1676.3	1676.3	1676.3	1676.3	1676.3
2.5°	1725.4	1728.2	1731.1	1726.8	1728.2
5°	1774.5	1773.1	1780.1	1775.9	1778.7
7.5°	1790.0	1791.4	1796.9	1796.9	1798.3
10°	1791.4	1794.2	1801.2	1805.4	1808.2
12.5°	1798.3	1804.0	1815.2	1818.1	1818.1
15°	1804.0	1806.8	1813.8	1816.6	1819.5
17.5°	1784.4	1778.7	1781.5	1783.0	1781.5
20°	1735.3	1729.6	1728.2	1722.6	1725.4
22.5°	1682.0	1666.5	1656.7	1645.5	1645.5
25°	1617.4	1593.6	1574.0	1554.2	1558.5
27.5°	1557.1	1526.2	1506.6	1494.0	1491.2
30°	1498.1	1465.9	1447.6	1432.3	1432.3
32.5°	1400.0	1377.5	1353.7	1343.9	1342.4
35°	1263.9	1249.9	1230.2	1226.1	1219.0
37.5°	1111.0	1106.8	1090.0	1088.6	1081.6
40°	951.1	953.9	948.3	945.5	941.3
42.5°	791.2	805.2	802.4	801.0	798.1
45°	638.2	648.1	649.5	653.7	660.7
47.5°	502.2	505.0	507.8	506.4	507.8
50°	392.7	385.8	384.4	380.2	384.4
52.5°	317.0	305.8	300.2	294.6	291.8
55°	279.2	267.9	262.3	259.5	256.7
57.5°	269.3	258.1	249.7	244.1	242.7
60°	272.1	255.4	244.1	237.0	235.6
62.5°	279.2	256.7	241.3	234.2	232.8
65°	277.8	253.9	239.9	231.4	230.0
66°	273.6	251.1	237.0	230.0	228.7
67.5°	266.5	246.9	234.2	228.7	225.9
70°	253.9	241.3	231.4	224.5	221.7
72.5°	242.7	232.8	224.5	217.4	216.0
75°	230.0	221.7	213.2	207.6	206.2
77.5°	214.6	206.2	200.6	196.4	195.0
80°	189.4	183.7	178.1	172.6	172.6
82.5°	157.1	152.9	147.3	143.1	141.7
85°	120.7	120.7	116.5	112.2	110.8
87.5°	71.5	70.1	70.1	66.0	66.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)