

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: P180277

Luminaire Tested: **ICM-E03-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180277
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: ICM-E03-LED-E1-RW-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7962.6 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

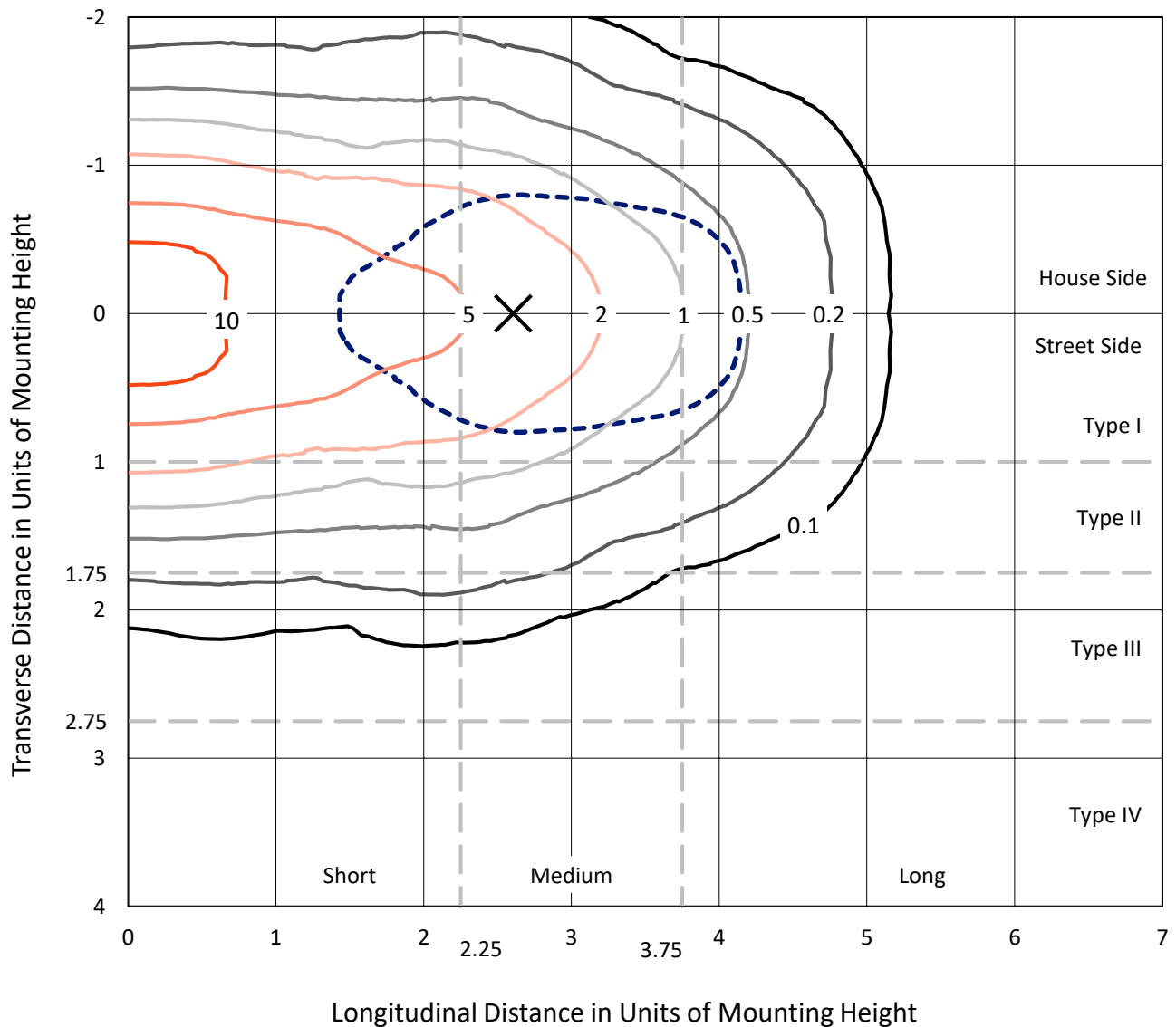
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

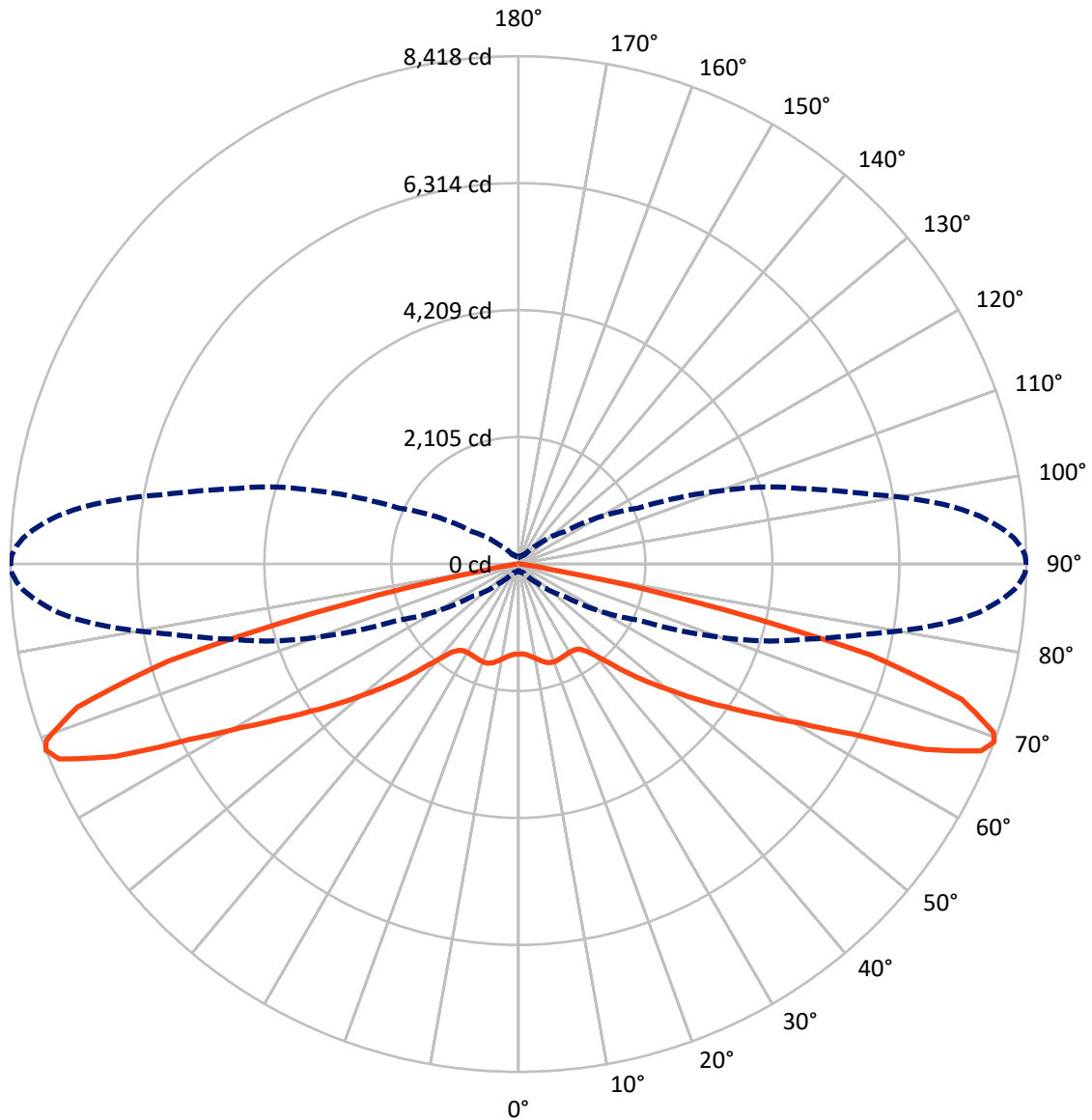
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3981.3	0.0	3981.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3981.3	0.0	3981.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7962.6	0.0	7962.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	1.8
10°-20°	461.7	5.8
20°-30°	747.9	9.4
30°-40°	932.1	11.7
40°-50°	1164.8	14.6
50°-60°	1438.3	18.1
60°-70°	1787.1	22.4
70°-80°	1186.4	14.9
80°-90°	98.0	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°	7962.6	100.0
0°-180°	7962.6	100.0



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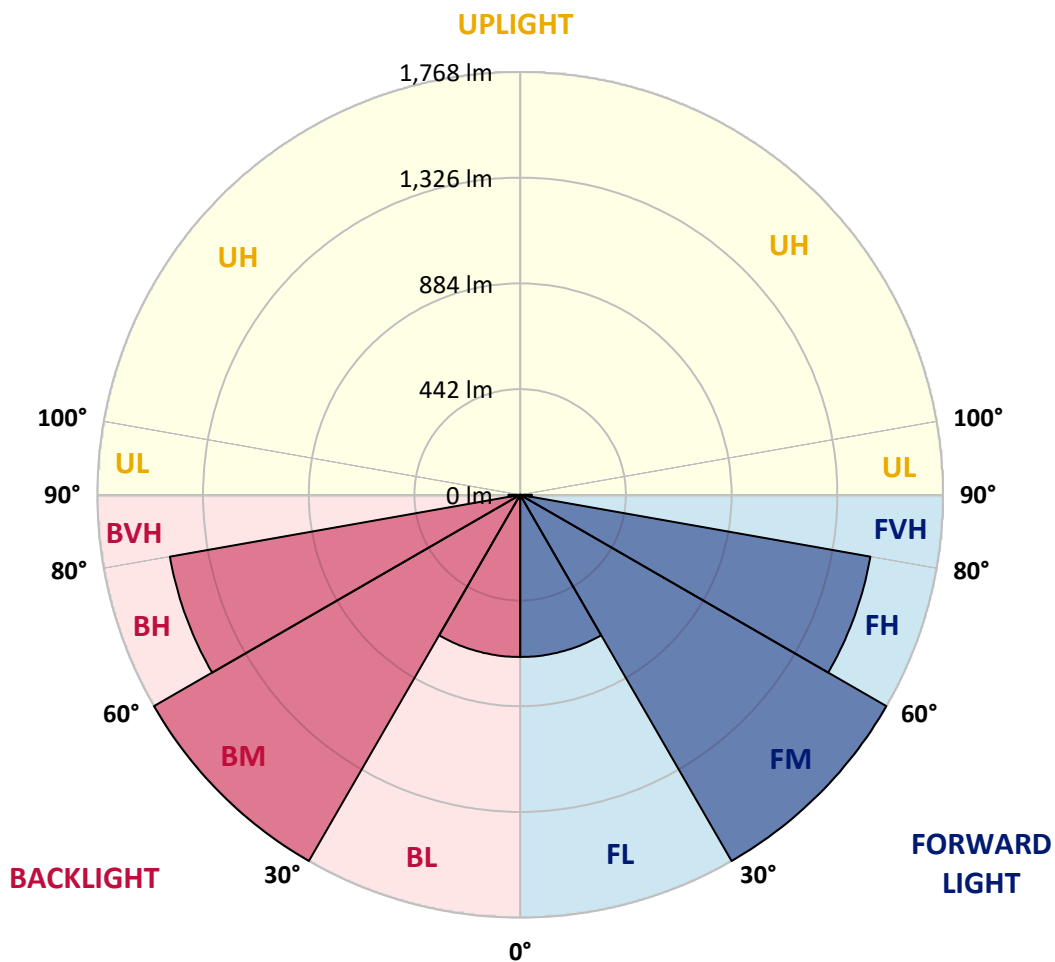
CATALOG NUMBER: ICM-E03-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.0	8.5			
FM (30°-60°)	1767.6	22.2			
FH (60°-80°)	1486.8	18.7			G1/1800
FVH (80°-90°)	49.0	0.6			G1/100
BL (0°-30°)	678.0	8.5	B2/1000		
BM (30°-60°)	1767.6	22.2	B2/2500		
BH (60°-80°)	1486.8	18.7	B3/2500		G3/2500
BVH (80°-90°)	49.0	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°	70°	71°	72°
0°	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9
2.5°	1498.8	1500.1	1499.2	1500.8	1500.5	1500.5	1499.5	1497.9	1496.8	1496.1	1496.2
5°	1513.2	1511.5	1514.1	1516.7	1515.7	1516.1	1515.7	1515.7	1514.9	1514.8	1514.7
7.5°	1528.5	1528.0	1529.7	1536.6	1537.5	1539.9	1542.9	1545.0	1545.5	1546.0	1545.5
10°	1541.6	1542.1	1546.3	1556.1	1561.2	1569.3	1577.3	1583.6	1586.1	1587.5	1587.3
12.5°	1552.3	1552.8	1559.1	1574.3	1586.7	1602.1	1619.4	1629.2	1633.5	1634.2	1635.0
15°	1553.1	1554.4	1565.4	1590.5	1615.1	1640.2	1661.0	1674.2	1677.6	1679.9	1680.1
17.5°	1542.1	1542.9	1561.7	1598.6	1639.8	1678.9	1700.6	1706.5	1707.7	1708.7	1708.2
20°	1513.2	1515.4	1541.7	1596.5	1659.4	1710.3	1732.8	1724.8	1720.8	1720.2	1719.8
22.5°	1466.4	1466.1	1500.5	1574.3	1663.1	1734.9	1754.9	1733.6	1721.1	1718.5	1716.8
25°	1390.9	1395.9	1436.3	1524.7	1641.5	1740.5	1770.6	1738.3	1720.3	1716.3	1711.4
27.5°	1308.8	1311.8	1354.7	1449.5	1590.9	1721.3	1778.2	1747.7	1727.5	1721.9	1716.2
30°	1213.2	1217.1	1263.0	1362.0	1509.9	1672.0	1776.2	1768.9	1745.3	1738.6	1731.5
32.5°	1119.8	1124.1	1165.3	1273.7	1424.4	1604.6	1763.4	1799.1	1774.9	1767.5	1759.9
35°	1022.9	1029.4	1079.4	1189.0	1342.0	1529.3	1743.8	1837.8	1824.4	1817.8	1811.3
37.5°	942.7	943.9	992.4	1107.5	1265.5	1457.6	1718.0	1886.6	1896.4	1896.4	1897.2
40°	853.0	861.1	909.6	1031.1	1196.2	1396.8	1693.3	1952.9	2003.6	2012.9	2020.1
42.5°	772.7	773.6	822.9	948.2	1121.1	1348.0	1679.7	2032.8	2141.3	2161.1	2180.9
45°	688.2	691.5	736.2	857.3	1034.4	1290.2	1679.3	2124.9	2298.2	2331.5	2362.3
47.5°	608.4	609.7	656.7	769.3	935.1	1209.5	1676.3	2223.9	2459.9	2508.9	2549.1
50°	531.9	530.6	576.9	685.2	836.8	1103.6	1650.4	2336.0	2634.1	2689.9	2739.5
52.5°	444.4	450.3	498.3	602.0	747.7	996.2	1574.8	2458.8	2815.3	2879.9	2942.0
55°	358.5	361.1	412.5	509.4	657.1	896.0	1443.2	2571.8	2992.0	3065.3	3134.3
57.5°	264.2	271.9	316.9	412.5	565.4	811.4	1275.7	2630.4	3141.7	3226.3	3308.3
60°	186.4	192.4	232.4	312.7	464.7	722.6	1131.7	2597.8	3262.2	3370.2	3468.8
62.5°	145.2	150.0	181.8	234.0	362.3	633.9	1028.5	2491.9	3395.9	3536.9	3671.4
65°	127.4	131.7	160.6	187.3	270.6	543.4	972.0	2380.3	3575.3	3782.7	3970.3
67.5°	115.2	120.2	145.3	163.9	220.5	474.0	957.1	2309.8	3663.2	3933.4	4186.2
69°	109.6	114.7	137.2	152.9	204.7	449.5	931.6	2198.9	3544.5	3833.3	4109.4
70°	106.2	110.4	131.3	147.4	199.6	432.5	889.1	2060.4	3381.8	3673.3	3961.9
72.5°	98.6	100.7	118.9	134.7	185.2	349.6	683.9	1530.2	2675.7	2960.0	3240.1
75°	87.1	89.7	106.6	121.9	144.4	217.1	432.9	946.5	1801.7	2013.5	2273.3
77.5°	75.2	77.3	92.2	116.4	112.2	135.4	258.7	526.8	1022.7	1145.8	1314.8
80°	60.3	62.9	76.1	115.5	92.7	105.3	186.0	368.4	502.1	538.9	579.4
82.5°	44.1	46.3	59.5	93.4	71.0	79.4	141.9	312.3	358.7	375.4	383.4
85°	22.5	22.9	37.9	56.9	45.0	41.2	79.9	213.8	243.4	247.6	253.9
87.5°	3.8	3.8	8.6	9.9	11.0	6.8	10.2	36.5	42.2	42.0	45.5
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9
2.5°	1496.8	1496.5	1497.0	1497.1	1497.7	1496.0	1495.7	1495.4	1495.4	1496.2	1495.4
5°	1515.1	1515.0	1515.4	1516.0	1515.8	1514.8	1514.6	1514.9	1513.7	1513.2	1514.1
7.5°	1546.3	1545.9	1545.1	1546.4	1547.4	1547.5	1548.4	1547.6	1547.2	1546.8	1547.6
10°	1588.8	1588.6	1588.8	1590.2	1591.3	1591.5	1592.5	1591.4	1590.9	1591.8	1591.8
12.5°	1636.6	1635.6	1637.7	1638.5	1639.8	1642.3	1641.0	1642.8	1641.5	1643.5	1643.5
15°	1681.5	1682.1	1683.9	1684.8	1685.0	1687.2	1687.5	1688.7	1686.9	1687.4	1690.8
17.5°	1709.4	1709.0	1710.3	1711.0	1712.1	1713.2	1715.2	1716.3	1715.4	1715.4	1717.1
20°	1718.9	1717.6	1718.0	1718.5	1718.7	1719.7	1721.1	1721.3	1721.3	1721.8	1723.5
22.5°	1714.2	1712.0	1710.0	1710.1	1710.2	1710.0	1711.0	1711.6	1712.5	1713.3	1715.4
25°	1707.7	1702.9	1698.8	1698.5	1697.3	1697.4	1697.9	1698.1	1698.8	1700.1	1701.8
27.5°	1708.5	1702.0	1695.5	1693.2	1690.9	1689.4	1688.8	1687.8	1688.6	1690.0	1691.5
30°	1723.0	1712.8	1703.5	1700.7	1697.3	1694.4	1692.0	1689.1	1687.4	1688.7	1689.5
32.5°	1748.7	1738.6	1729.5	1724.8	1720.1	1715.0	1710.3	1707.4	1703.5	1702.2	1701.8
35°	1802.9	1795.1	1786.8	1781.5	1773.7	1769.8	1764.0	1755.7	1749.8	1749.4	1746.1
37.5°	1894.6	1890.9	1884.8	1879.4	1876.8	1866.2	1859.4	1855.2	1848.4	1852.7	1845.4
40°	2026.4	2032.8	2038.2	2035.0	2036.0	2033.2	2029.1	2033.1	2028.5	2027.3	2028.5
42.5°	2195.3	2217.7	2233.3	2238.2	2250.8	2255.6	2264.9	2279.1	2276.2	2292.3	2295.3
45°	2391.0	2423.0	2454.2	2477.3	2502.7	2531.4	2560.1	2582.9	2600.8	2599.9	2619.4
47.5°	2590.5	2637.9	2679.3	2714.2	2759.7	2801.9	2848.3	2895.1	2929.1	2941.9	2946.1
50°	2792.8	2847.4	2904.1	2955.4	3016.9	3084.3	3157.3	3230.3	3266.8	3296.6	3316.6
52.5°	3004.6	3067.1	3127.5	3199.9	3275.8	3364.9	3456.0	3559.9	3615.2	3671.3	3701.0
55°	3206.0	3275.9	3338.3	3435.1	3528.2	3634.5	3753.6	3884.9	3980.5	4046.4	4104.6
57.5°	3389.1	3463.5	3540.0	3649.3	3768.0	3892.2	4043.2	4202.6	4306.8	4421.5	4524.7
60°	3567.8	3661.4	3749.4	3892.3	4033.5	4187.9	4375.8	4577.9	4738.8	4894.7	5013.7
62.5°	3805.0	3925.0	4034.4	4214.3	4398.7	4589.6	4813.1	5051.9	5285.6	5497.1	5657.3
65°	4155.2	4331.7	4495.4	4723.2	4956.1	5207.3	5474.1	5779.2	6059.6	6339.6	6569.0
67.5°	4421.1	4644.5	4854.8	5130.2	5404.3	5695.4	6017.8	6378.2	6725.3	7041.0	7320.4
69°	4369.0	4605.9	4833.5	5114.7	5399.7	5697.0	6022.3	6405.4	6766.0	7108.9	7408.8
70°	4210.1	4457.1	4693.0	4971.9	5260.6	5558.6	5899.2	6275.4	6644.6	7009.9	7312.8
72.5°	3489.2	3737.0	3966.1	4251.6	4542.2	4855.2	5177.6	5544.2	5938.5	6329.0	6594.5
75°	2501.7	2720.7	2942.7	3184.2	3467.6	3725.7	4020.7	4370.4	4701.9	5004.8	5207.8
77.5°	1478.6	1609.8	1768.1	1881.7	2046.2	2188.3	2338.4	2532.8	2634.7	2830.2	2880.3
80°	602.5	598.8	622.3	599.1	604.3	585.2	564.9	561.2	529.3	569.2	539.5
82.5°	382.7	355.9	327.5	288.1	253.4	216.9	183.4	155.4	150.3	151.3	149.6
85°	252.1	240.6	215.0	180.7	147.3	118.2	94.5	74.8	73.9	72.7	72.2
87.5°	45.6	42.3	34.8	29.8	25.1	18.7	13.2	9.8	9.3	9.3	11.1
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):

	84°	85°	86°	87°	88°	89°	90°
0°	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9	1491.9
2.5°	1495.4	1495.4	1495.0	1495.8	1495.4	1494.1	1492.8
5°	1514.9	1513.1	1514.4	1515.7	1513.6	1514.1	1513.2
7.5°	1547.5	1547.2	1547.5	1546.3	1545.5	1546.8	1548.0
10°	1593.5	1592.7	1592.2	1593.5	1592.7	1591.8	1592.2
12.5°	1644.8	1644.8	1644.5	1644.8	1644.5	1643.2	1642.3
15°	1690.3	1691.2	1691.2	1690.3	1689.9	1689.5	1690.0
17.5°	1718.3	1718.0	1718.0	1718.0	1717.6	1718.0	1718.8
20°	1725.6	1724.3	1724.3	1725.2	1724.3	1725.2	1725.6
22.5°	1715.9	1715.9	1715.8	1716.3	1717.0	1717.0	1718.0
25°	1703.5	1703.5	1703.5	1704.4	1704.4	1704.8	1705.2
27.5°	1693.8	1693.8	1693.8	1694.6	1694.6	1695.0	1695.8
30°	1690.8	1690.8	1690.4	1690.8	1691.2	1691.2	1691.6
32.5°	1702.2	1701.0	1700.5	1699.7	1698.8	1698.8	1698.4
35°	1742.5	1739.2	1739.6	1737.1	1738.0	1735.8	1734.1
37.5°	1840.8	1837.4	1833.5	1828.5	1825.5	1829.2	1829.2
40°	2024.2	2026.4	2017.0	2014.5	2008.9	2012.8	2017.9
42.5°	2296.9	2299.5	2301.2	2287.3	2286.8	2283.8	2275.4
45°	2620.3	2614.3	2616.9	2610.4	2608.0	2598.6	2610.1
47.5°	2962.3	2966.1	2950.7	2945.7	2954.5	2939.4	2941.4
50°	3328.0	3328.9	3317.4	3314.8	3322.9	3294.0	3307.6
52.5°	3722.3	3723.9	3732.9	3722.3	3726.5	3719.7	3733.3
55°	4141.5	4173.4	4176.4	4187.8	4188.7	4202.7	4188.7
57.5°	4582.1	4618.2	4652.1	4698.4	4708.7	4703.1	4712.0
60°	5112.7	5207.4	5258.5	5331.0	5342.5	5373.9	5346.7
62.5°	5807.7	5955.1	6066.4	6122.5	6156.4	6222.3	6200.6
65°	6779.6	6955.1	7124.1	7204.9	7294.1	7387.6	7404.5
67.5°	7575.8	7770.7	7946.7	8086.4	8195.2	8264.0	8269.4
69°	7675.2	7882.5	8067.7	8223.1	8329.0	8399.5	8418.2
70°	7585.5	7797.4	7993.7	8142.0	8260.1	8332.0	8357.0
72.5°	6873.2	7125.4	7282.6	7433.9	7600.4	7622.1	7690.8
75°	5440.6	5667.0	5821.2	5861.2	5948.3	6057.9	6018.8
77.5°	2837.8	2936.3	2969.0	2899.4	2895.9	2960.1	2832.7
80°	540.3	541.2	532.3	528.9	535.3	528.9	520.0
82.5°	152.6	150.4	149.1	152.6	152.1	151.6	154.6
85°	70.5	68.4	65.0	64.9	66.7	64.1	65.4
87.5°	9.8	8.0	8.0	8.0	7.6	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)