

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: P151095

Luminaire Tested: **VWM-F04-LED-E1-SL3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151095
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VWM-F04-LED-E1-SL3
Description: VISION WALL MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10025.7 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

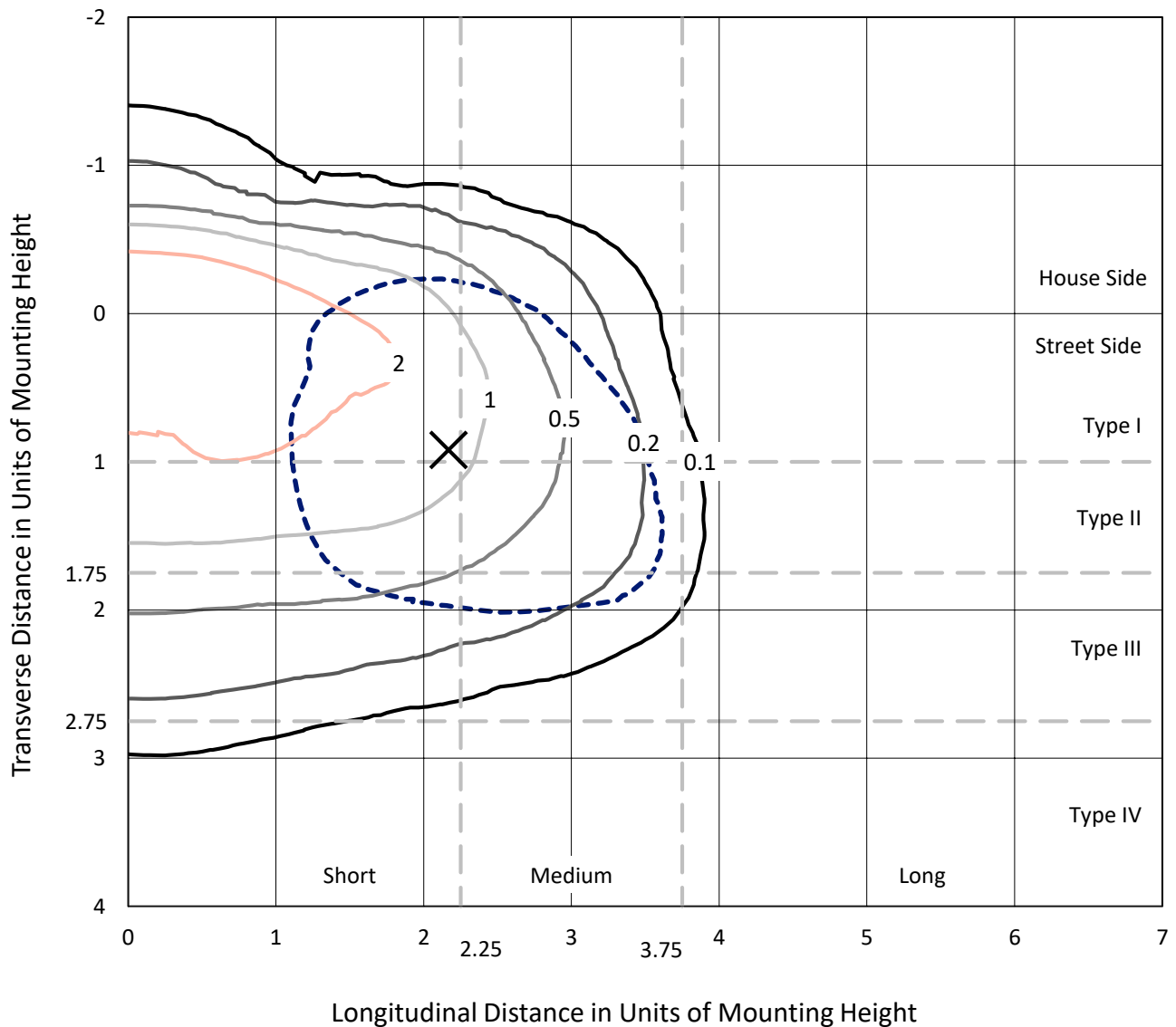
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

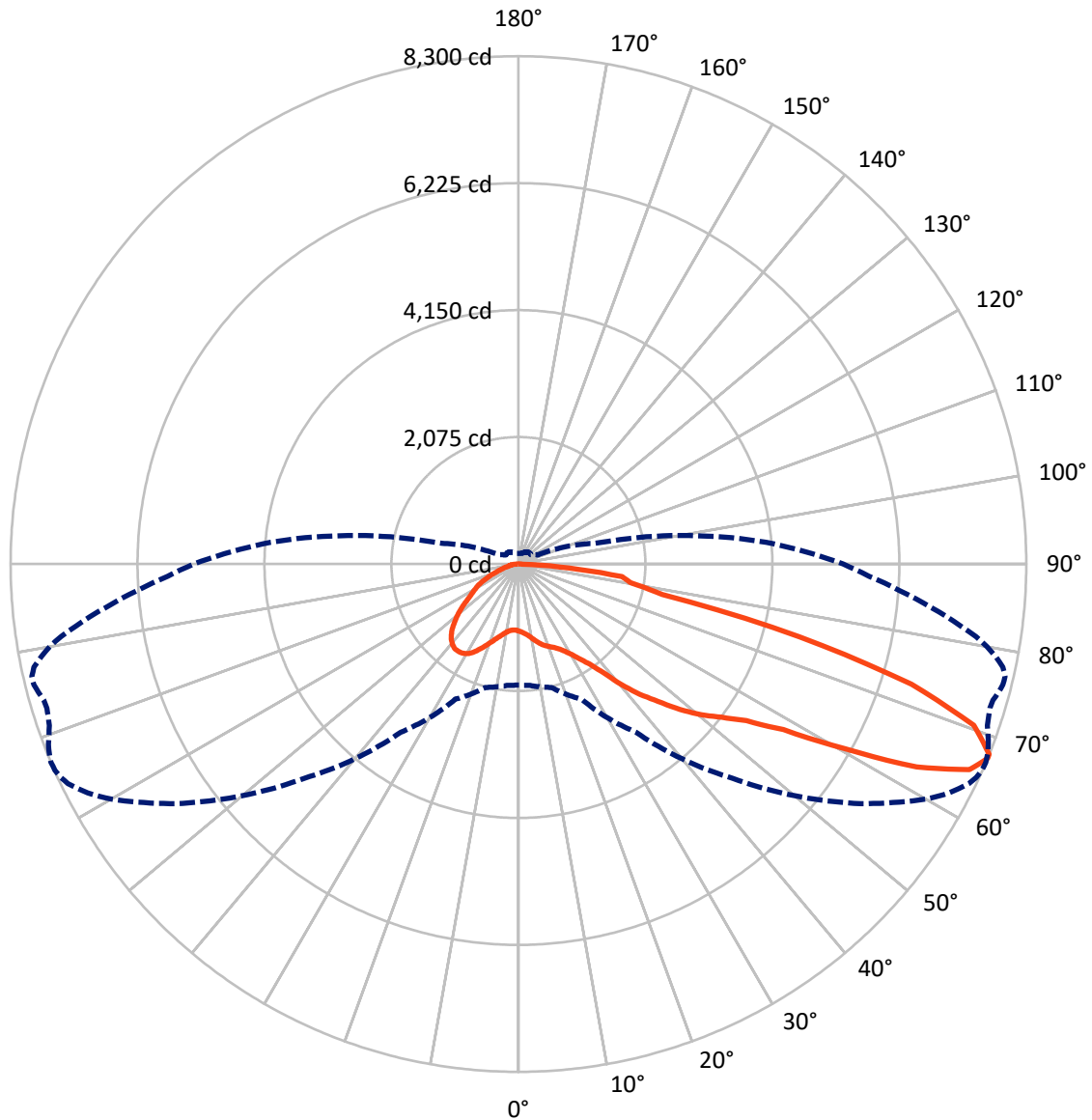
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2313.6	0.0	2313.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7712.1	0.0	7712.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	10025.7	0.0	10025.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	1.1
10°-20°	373.9	3.7
20°-30°	660.2	6.6
30°-40°	947.6	9.5
40°-50°	1439.2	14.4
50°-60°	2119.0	21.1
60°-70°	2816.1	28.1
70°-80°	1377.7	13.7
80°-90°	182.9	1.8
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°	10025.7	100.0
0°-180°	10025.7	100.0



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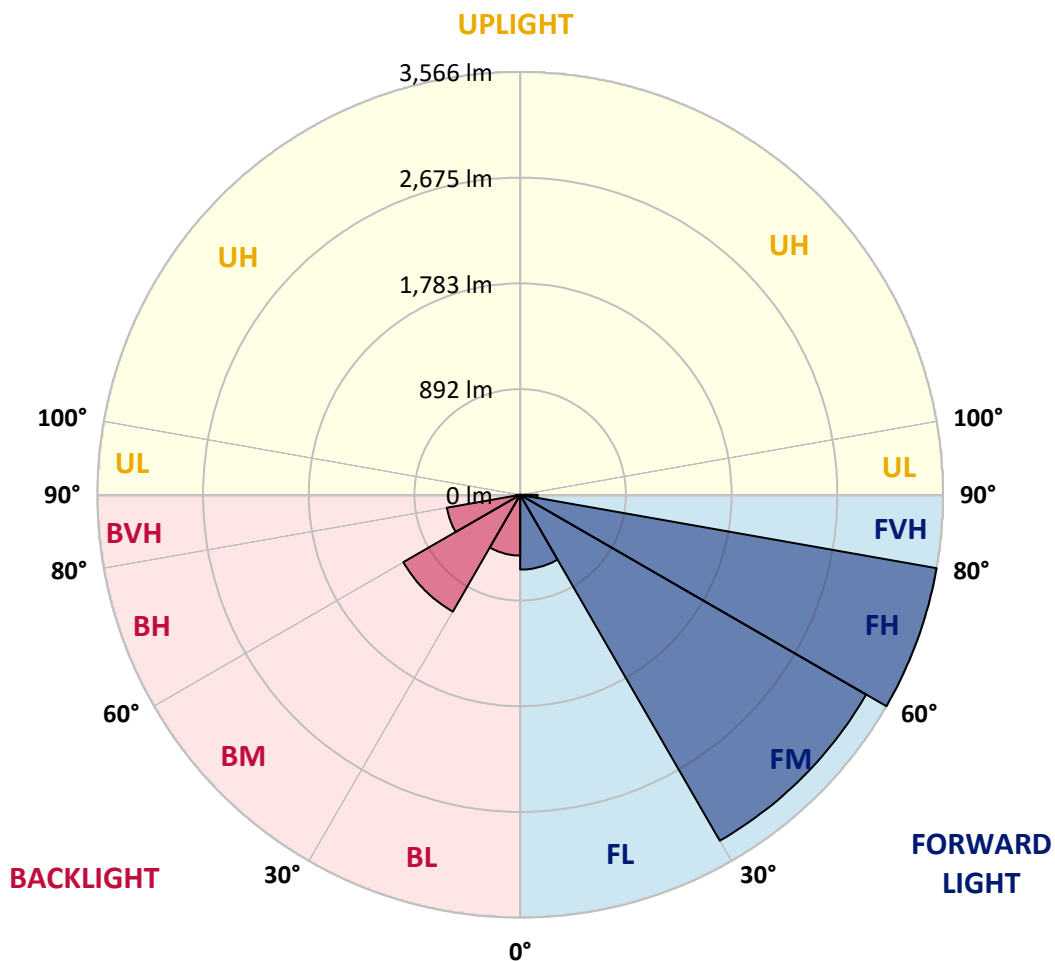
CATALOG NUMBER: VWM-F04-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	630.7	6.3			
FM (30°-60°)	3368.4	33.6			
FH (60°-80°)	3566.1	35.6			G2/5000
FVH (80°-90°)	146.9	1.5			G2/225
BL (0°-30°)	512.4	5.1	B2/1000		
BM (30°-60°)	1137.4	11.3	B2/2500		
BH (60°-80°)	627.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	36.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1146.9	1148.0	1145.8	1144.7	1138.1	1131.5	1127.1	1121.6	1121.6	1121.6	1119.4
5°	1211.9	1207.5	1210.8	1203.1	1189.9	1177.7	1165.6	1155.7	1153.5	1153.5	1149.1
7.5°	1290.0	1284.5	1282.3	1271.3	1251.5	1233.9	1209.7	1199.8	1194.3	1192.1	1189.9
10°	1384.7	1384.7	1370.4	1351.7	1325.2	1294.4	1268.0	1250.4	1249.3	1249.3	1239.4
12.5°	1481.5	1483.7	1465.0	1446.3	1403.4	1362.7	1331.8	1312.0	1310.9	1306.5	1301.0
15°	1570.7	1565.2	1553.1	1525.6	1478.2	1429.8	1391.3	1371.5	1367.1	1362.7	1359.4
17.5°	1644.4	1638.9	1623.5	1588.3	1538.8	1481.5	1434.2	1413.3	1411.1	1408.9	1404.5
20°	1690.7	1686.3	1664.3	1623.5	1571.8	1513.5	1462.8	1448.5	1444.1	1444.1	1441.9
22.5°	1717.1	1710.5	1678.6	1624.6	1574.0	1531.1	1489.2	1480.4	1477.1	1478.2	1478.2
25°	1730.3	1724.8	1679.7	1602.6	1554.2	1542.1	1524.5	1519.0	1520.1	1521.2	1523.4
27.5°	1732.5	1724.8	1672.0	1574.0	1528.9	1563.0	1575.1	1583.9	1583.9	1588.3	1596.0
30°	1716.0	1707.2	1656.6	1552.0	1517.9	1604.8	1653.3	1676.4	1685.2	1683.0	1700.6
32.5°	1687.4	1681.9	1641.1	1552.0	1548.7	1687.4	1773.2	1806.2	1810.7	1812.9	1832.7
35°	1677.5	1676.4	1658.8	1604.8	1644.4	1832.7	1963.6	1989.0	1994.5	1994.5	2008.8
37.5°	1675.3	1680.8	1700.6	1703.9	1812.9	2048.4	2220.1	2258.6	2258.6	2269.6	2269.6
40°	1675.3	1687.4	1762.2	1851.4	2018.7	2329.1	2566.8	2610.9	2610.9	2623.0	2616.4
42.5°	1740.2	1757.8	1881.1	2050.6	2278.4	2618.6	2891.5	2941.1	2944.4	2941.1	2951.0
45°	1867.9	1883.3	2033.0	2276.2	2545.9	2929.0	3201.9	3261.4	3249.3	3257.0	3260.3
47.5°	2037.4	2061.6	2232.2	2522.8	2806.8	3216.2	3549.8	3603.7	3599.3	3602.6	3588.3
50°	2217.9	2243.2	2433.6	2767.2	3066.5	3447.4	3829.3	3909.7	3902.0	3907.5	3915.2
52.5°	2377.5	2392.9	2576.7	2951.0	3263.6	3663.1	4044.0	4144.1	4161.7	4163.9	4169.5
55°	2472.2	2490.9	2659.3	3042.3	3406.7	3874.5	4289.4	4441.3	4475.4	4484.3	4508.5
57.5°	2505.2	2525.0	2678.0	3055.5	3484.8	4072.6	4631.7	4899.2	4927.8	4975.2	5052.2
60°	2504.1	2525.0	2658.2	3025.8	3564.1	4318.0	5164.5	5612.5	5757.8	5806.2	5916.3
62.5°	2401.7	2425.9	2561.3	2935.6	3665.3	4631.7	5957.0	6646.0	6833.1	6921.2	7040.1
65°	2177.2	2194.8	2321.4	2706.6	3636.7	4941.0	6619.6	7479.3	7649.9	7778.6	7991.1
67°	1978.0	1989.0	2088.0	2435.8	3357.1	4952.0	6828.7	7686.2	7834.8	7971.3	8190.3
67.5°	1927.3	1950.4	2027.5	2353.3	3252.6	4889.3	6814.4	7654.3	7806.2	7948.2	8179.3
70°	1568.5	1601.5	1640.0	1859.1	2556.9	4113.3	6309.2	7101.7	7234.9	7367.0	7689.5
72.5°	967.5	1027.0	1034.7	1173.3	1664.3	2843.1	5105.0	5988.9	6089.1	6183.7	6513.9
75°	570.2	579.0	606.5	718.8	976.3	1699.5	3425.4	4449.0	4541.5	4587.7	4846.4
77.5°	318.1	326.9	350.0	446.9	750.7	1144.7	1994.5	2614.2	2670.3	2728.6	2686.8
80°	132.1	144.2	155.2	180.5	351.1	903.7	1371.5	1662.1	1698.4	1732.5	1775.4
82.5°	63.8	68.2	83.7	95.8	127.7	370.9	1075.4	1440.8	1483.7	1533.3	1633.4
85°	29.7	33.0	46.2	55.0	61.6	93.6	359.9	701.1	760.6	771.6	791.4
87.5°	2.2	2.2	5.5	7.7	11.0	12.1	37.4	52.8	59.4	53.9	68.2
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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CATALOG NUMBER: VWM-F04-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1118.3	1117.2	1115.0	1115.0	1113.9	1113.9	1113.9	1111.7	1111.7	1111.7	1110.6
5°	1148.0	1146.9	1143.6	1143.6	1141.4	1141.4	1138.1	1137.0	1134.8	1134.8	1133.7
7.5°	1186.6	1185.5	1181.1	1181.1	1177.7	1176.6	1174.4	1171.1	1171.1	1168.9	1166.7
10°	1239.4	1236.1	1235.0	1229.5	1230.6	1228.4	1226.2	1222.9	1220.7	1218.5	1216.3
12.5°	1298.8	1298.8	1293.3	1290.0	1292.2	1290.0	1285.6	1284.5	1281.2	1281.2	1277.9
15°	1355.0	1355.0	1352.8	1348.4	1349.5	1346.2	1345.1	1342.9	1338.5	1339.6	1338.5
17.5°	1403.4	1403.4	1400.1	1397.9	1397.9	1394.6	1395.7	1393.5	1391.3	1390.2	1386.9
20°	1441.9	1441.9	1439.7	1437.5	1438.6	1438.6	1435.3	1435.3	1435.3	1433.1	1433.1
22.5°	1479.3	1480.4	1480.4	1480.4	1481.5	1482.6	1481.5	1483.7	1482.6	1484.8	1484.8
25°	1528.9	1532.2	1534.4	1534.4	1539.9	1541.0	1542.1	1545.4	1545.4	1548.7	1549.8
27.5°	1602.6	1604.8	1613.6	1615.8	1616.9	1625.7	1626.8	1631.2	1635.6	1636.7	1637.8
30°	1703.9	1709.4	1716.0	1720.4	1720.4	1731.4	1735.8	1733.6	1745.7	1749.0	1753.4
32.5°	1839.3	1843.7	1850.3	1854.7	1859.1	1864.6	1865.7	1871.2	1881.1	1889.9	1884.4
35°	2009.9	2020.9	2009.9	2022.0	2025.3	2033.0	2030.8	2037.4	2041.8	2045.1	2044.0
37.5°	2257.5	2252.0	2249.8	2245.4	2237.7	2264.1	2250.9	2249.8	2243.2	2261.9	2249.8
40°	2583.3	2586.6	2589.9	2572.3	2562.4	2562.4	2559.1	2547.0	2541.5	2558.0	2555.8
42.5°	2923.5	2926.8	2911.4	2900.3	2875.0	2871.7	2856.3	2853.0	2847.5	2856.3	2847.5
45°	3232.8	3235.0	3200.8	3206.3	3186.5	3189.8	3165.6	3175.5	3162.3	3171.1	3187.6
47.5°	3578.4	3582.8	3553.1	3565.2	3545.4	3533.2	3532.1	3538.8	3524.4	3533.2	3537.6
50°	3892.1	3886.6	3871.2	3874.5	3865.7	3867.9	3854.7	3866.8	3850.2	3867.9	3865.7
52.5°	4170.6	4163.9	4160.6	4171.7	4163.9	4163.9	4156.2	4161.7	4163.9	4190.4	4195.9
55°	4508.5	4514.0	4519.5	4539.3	4548.1	4533.8	4548.1	4575.6	4576.7	4639.5	4673.6
57.5°	5051.1	5089.6	5109.4	5121.6	5173.3	5167.8	5200.8	5266.8	5273.5	5418.7	5503.5
60°	5997.7	6066.0	6130.9	6095.7	6200.2	6232.2	6252.0	6375.3	6413.8	6551.4	6625.1
62.5°	7193.1	7200.8	7302.0	7270.1	7329.6	7315.3	7339.5	7395.6	7446.2	7559.6	7629.0
65°	8027.4	8063.7	8103.4	8062.6	8061.5	8013.1	7982.3	7981.2	8012.0	8036.2	8113.3
67°	8254.1	8290.5	8300.4	8270.7	8227.7	8166.1	8108.9	8079.1	8059.3	8070.3	8118.8
67.5°	8251.9	8286.1	8298.2	8269.6	8210.1	8158.4	8097.8	8063.7	8037.3	8042.8	8083.5
70°	7783.0	7856.8	7896.4	7905.2	7897.5	7807.3	7755.5	7724.7	7702.7	7648.8	7645.5
72.5°	6594.3	6683.4	6714.3	6763.8	6785.8	6652.6	6596.5	6630.6	6553.6	6383.0	6390.7
75°	4842.0	4848.6	4745.1	4725.3	4651.6	4350.0	4259.7	4177.2	4045.1	3839.2	3645.5
77.5°	2523.9	2522.8	2403.9	2343.4	2255.3	2073.7	2064.9	1917.4	1814.0	1625.7	1557.5
80°	1793.0	1821.7	1861.3	1881.1	1850.3	1779.8	1683.0	1578.4	1458.4	1340.7	1199.8
82.5°	1667.6	1685.2	1706.1	1629.0	1586.1	1487.0	1413.3	1261.4	1176.6	1042.4	900.4
85°	811.2	865.2	823.3	774.9	758.4	593.3	573.5	478.8	434.8	357.7	333.5
87.5°	51.7	63.8	57.2	51.7	45.1	25.3	34.1	24.2	25.3	18.7	16.5
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1110.6	1109.5	1108.4	1107.3	1106.2	1106.2	1105.1	1104.0	1102.9	1100.7	1100.7
5°	1131.5	1131.5	1130.4	1128.2	1128.2	1126.0	1122.7	1121.6	1121.6	1119.4	1117.2
7.5°	1165.6	1164.5	1162.3	1161.2	1159.0	1156.8	1154.6	1152.4	1151.3	1148.0	1146.9
10°	1217.4	1215.2	1209.7	1207.5	1206.4	1204.2	1202.0	1199.8	1196.5	1194.3	1193.2
12.5°	1275.7	1274.6	1270.2	1272.4	1266.9	1264.7	1262.5	1257.0	1259.2	1254.8	1252.6
15°	1334.0	1335.1	1332.9	1332.9	1328.5	1325.2	1323.0	1318.6	1317.5	1315.3	1313.1
17.5°	1385.8	1388.0	1384.7	1382.5	1380.3	1378.1	1373.7	1369.3	1369.3	1364.9	1362.7
20°	1433.1	1435.3	1434.2	1432.0	1428.7	1427.6	1425.4	1422.1	1422.1	1419.9	1416.6
22.5°	1487.0	1488.1	1488.1	1487.0	1483.7	1484.8	1482.6	1479.3	1480.4	1476.0	1476.0
25°	1552.0	1554.2	1556.4	1557.5	1555.3	1556.4	1554.2	1552.0	1550.9	1552.0	1550.9
27.5°	1641.1	1643.3	1649.9	1644.4	1649.9	1651.0	1647.7	1643.3	1646.6	1652.2	1648.8
30°	1758.9	1756.7	1765.5	1766.6	1765.5	1766.6	1764.4	1761.1	1763.3	1773.2	1767.7
32.5°	1891.0	1895.4	1897.6	1899.8	1903.1	1907.5	1904.2	1900.9	1906.4	1903.1	1910.8
35°	2050.6	2060.5	2063.8	2060.5	2062.7	2070.4	2069.3	2070.4	2081.4	2070.4	2084.7
37.5°	2252.0	2261.9	2269.6	2265.2	2270.7	2270.7	2279.5	2303.8	2288.4	2308.2	2323.6
40°	2544.8	2560.2	2561.3	2560.2	2565.7	2572.3	2581.1	2607.6	2589.9	2610.9	2625.2
42.5°	2846.4	2865.1	2871.7	2860.7	2872.8	2887.1	2888.2	2911.4	2912.5	2915.8	2923.5
45°	3186.5	3203.0	3216.2	3210.7	3211.8	3230.6	3226.2	3248.2	3231.7	3231.7	3236.1
47.5°	3548.7	3564.1	3572.9	3581.7	3570.7	3587.2	3594.9	3590.5	3570.7	3566.3	3539.9
50°	3878.9	3892.1	3905.3	3929.5	3928.4	3936.1	3941.6	3921.8	3917.4	3893.2	3863.5
52.5°	4228.9	4263.0	4292.7	4343.4	4351.1	4377.5	4367.6	4334.6	4329.1	4289.4	4249.8
55°	4716.5	4814.5	4857.4	4935.5	4988.4	4987.3	4965.3	4959.8	4917.9	4838.7	4791.3
57.5°	5565.1	5718.1	5791.9	5893.1	5909.7	5899.8	5871.1	5820.5	5747.9	5614.7	5528.8
60°	6790.2	6884.9	6970.7	6994.9	7007.1	6988.3	6888.2	6775.9	6633.9	6450.1	6297.1
62.5°	7715.9	7812.8	7876.6	7866.7	7790.8	7695.0	7548.6	7360.4	7161.2	6955.3	6726.4
65°	8187.0	8227.7	8217.8	8140.8	8010.9	7843.6	7630.1	7397.8	7163.4	6920.1	6682.3
67°	8161.7	8162.8	8095.6	7946.0	7779.7	7569.5	7308.6	7055.5	6780.3	6524.9	6242.1
67.5°	8116.6	8112.2	8018.6	7854.6	7675.2	7458.3	7187.6	6925.6	6640.5	6383.0	6090.2
70°	7605.8	7544.2	7332.9	7070.9	6821.0	6528.3	6244.3	5943.8	5622.4	5401.1	5064.3
72.5°	6249.8	6041.7	5677.4	5403.3	5135.9	4752.8	4575.6	4202.5	3976.8	3835.9	3581.7
75°	3619.1	3445.2	3163.4	2906.9	2777.1	2550.3	2442.5	2168.4	2111.1	2108.9	2020.9
77.5°	1381.4	1205.3	1023.7	824.4	701.1	557.0	490.9	439.2	399.6	427.1	387.4
80°	1035.8	851.9	665.9	484.3	345.6	255.4	219.0	202.5	192.6	184.9	179.4
82.5°	771.6	608.7	472.2	308.2	215.7	162.9	140.9	132.1	127.7	120.0	113.4
85°	260.9	209.1	165.1	114.5	90.3	73.7	68.2	66.0	62.7	57.2	53.9
87.5°	14.3	13.2	14.3	11.0	13.2	11.0	12.1	12.1	12.1	11.0	11.0
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1099.6	1099.6	1099.6	1097.4	1094.1	1087.5	1080.9	1075.4	1069.9	1066.6	1064.4
5°	1116.1	1113.9	1112.8	1111.7	1104.0	1090.8	1078.7	1067.7	1056.7	1047.9	1044.6
7.5°	1145.8	1141.4	1140.3	1137.0	1127.1	1107.3	1089.7	1072.1	1056.7	1044.6	1039.1
10°	1191.0	1191.0	1184.4	1180.0	1168.9	1142.5	1117.2	1094.1	1073.2	1060.0	1056.7
12.5°	1248.2	1248.2	1242.7	1239.4	1226.2	1192.1	1161.2	1133.7	1113.9	1100.7	1099.6
15°	1307.6	1306.5	1302.1	1297.7	1283.4	1247.1	1216.3	1192.1	1175.5	1160.1	1155.7
17.5°	1360.5	1360.5	1355.0	1350.6	1336.2	1305.4	1277.9	1260.3	1241.6	1209.7	1185.5
20°	1413.3	1414.4	1410.0	1405.6	1393.5	1367.1	1355.0	1337.4	1295.5	1226.2	1168.9
22.5°	1471.6	1476.0	1470.5	1466.1	1456.2	1445.2	1440.8	1399.0	1310.9	1199.8	1116.1
25°	1546.5	1554.2	1547.6	1545.4	1539.9	1543.2	1530.0	1433.1	1288.9	1142.5	1038.0
27.5°	1648.8	1648.8	1649.9	1649.9	1647.7	1659.9	1611.4	1434.2	1240.5	1068.8	944.4
30°	1768.8	1775.4	1773.2	1773.2	1782.0	1789.7	1656.6	1410.0	1178.8	977.4	829.9
32.5°	1913.0	1918.5	1920.7	1910.8	1946.0	1906.4	1673.1	1366.0	1102.9	864.0	693.4
35°	2086.9	2094.6	2100.1	2101.2	2124.4	2007.7	1664.3	1301.0	993.9	722.1	543.7
37.5°	2313.7	2329.1	2341.2	2346.7	2347.8	2093.5	1640.0	1215.2	851.9	563.6	405.1
40°	2615.3	2631.8	2628.5	2639.5	2576.7	2144.2	1585.0	1090.8	675.8	413.9	312.6
42.5°	2905.8	2908.0	2912.5	2902.5	2774.9	2170.6	1508.0	938.9	506.3	309.3	267.5
45°	3230.6	3211.8	3190.9	3175.5	2957.6	2180.5	1402.3	754.0	357.7	259.8	247.7
47.5°	3535.4	3510.1	3467.2	3423.2	3120.5	2165.1	1266.9	564.7	271.9	237.8	234.4
50°	3834.8	3787.5	3727.0	3676.3	3276.8	2142.0	1117.2	407.3	237.8	226.7	223.4
52.5°	4205.8	4126.5	4047.3	3981.2	3480.4	2105.6	959.8	309.3	223.4	217.9	213.5
55°	4714.3	4604.2	4476.5	4384.1	3756.7	2050.6	794.7	262.0	216.8	212.4	205.8
57.5°	5418.7	5253.6	5109.4	4958.7	4134.2	1994.5	652.7	243.3	215.7	209.1	200.3
60°	6138.6	5940.5	5756.7	5540.9	4519.5	1938.3	553.7	241.1	219.0	209.1	195.9
62.5°	6512.8	6308.1	6086.9	5867.8	4685.7	1806.2	485.4	244.4	226.7	212.4	195.9
65°	6427.0	6177.1	5952.6	5729.1	4493.1	1556.4	410.6	248.8	242.2	225.6	199.2
67°	5995.5	5734.6	5518.9	5305.4	4063.8	1303.2	352.2	253.2	258.7	241.1	205.8
67.5°	5843.6	5582.7	5370.3	5162.3	3937.2	1250.4	337.9	255.4	262.0	245.5	208.0
70°	4845.3	4653.8	4428.1	4267.4	3187.6	925.7	277.4	259.8	281.8	270.8	217.9
72.5°	3487.0	3304.3	3134.8	3045.6	2347.8	647.2	233.3	255.4	293.9	285.1	222.3
75°	1853.6	1842.6	1780.9	1825.0	1452.9	422.7	205.8	238.9	280.7	260.9	206.9
77.5°	374.2	385.2	452.4	445.8	468.9	235.5	176.1	204.7	216.8	191.5	168.4
80°	173.9	170.6	167.3	169.5	166.2	150.8	143.1	160.7	150.8	123.3	112.3
82.5°	107.9	105.7	102.4	101.3	112.3	120.0	125.5	126.6	100.2	85.9	82.6
85°	51.7	51.7	50.6	52.8	66.0	98.0	105.7	93.6	67.1	61.6	58.3
87.5°	9.9	9.9	11.0	9.9	13.2	23.1	26.4	30.8	25.3	26.4	29.7
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):

	165°	175°	180°
0°	1095.2	1095.2	1095.2
2.5°	1062.2	1060.0	1060.0
5°	1040.2	1039.1	1039.1
7.5°	1034.7	1035.8	1034.7
10°	1055.6	1054.5	1058.9
12.5°	1101.8	1105.1	1104.0
15°	1150.2	1152.4	1152.4
17.5°	1164.5	1156.8	1155.7
20°	1127.1	1112.8	1109.5
22.5°	1056.7	1030.3	1031.4
25°	967.5	935.6	937.8
27.5°	864.0	829.9	828.8
30°	739.7	702.2	683.5
32.5°	590.0	544.8	544.8
35°	443.6	407.3	394.1
37.5°	336.8	315.9	309.3
40°	280.7	270.8	268.6
42.5°	255.4	252.1	251.0
45°	242.2	240.0	238.9
47.5°	230.0	228.9	227.8
50°	221.2	220.1	219.0
52.5°	213.5	211.3	210.2
55°	202.5	202.5	202.5
57.5°	195.9	195.9	194.8
60°	189.3	188.2	188.2
62.5°	183.8	181.6	182.7
65°	180.5	177.2	177.2
67°	178.3	171.7	171.7
67.5°	178.3	169.5	169.5
70°	175.0	160.7	158.5
72.5°	171.7	150.8	147.5
75°	162.9	143.1	139.8
77.5°	139.8	127.7	125.5
80°	107.9	93.6	95.8
82.5°	78.1	67.1	66.0
85°	56.1	48.4	48.4
87.5°	29.7	25.3	26.4
90°	0.0	0.0	0.0

(END OF REPORT)