

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: P151088

Luminaire Tested: **VWM-E04-LED-E1-SL3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151088
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-E04-LED-E1-SL3-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10250 lumens
Efficiency: N/A
Efficacy: 105.5 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): 97.2
Input Voltage (V): NR
Input Current (A_{in}): 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

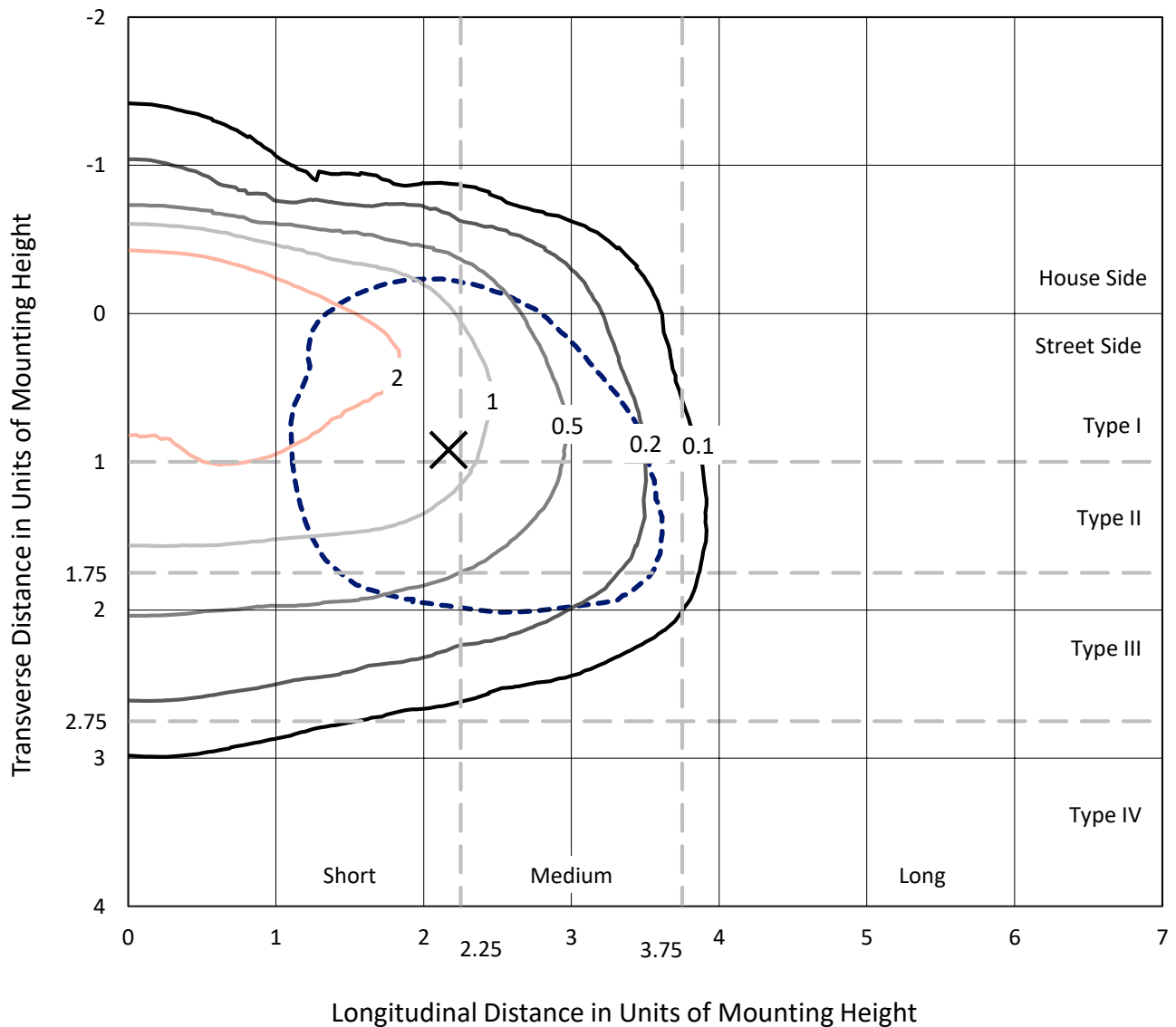


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Iso-Footcandle Lines of Horizontal Illumination

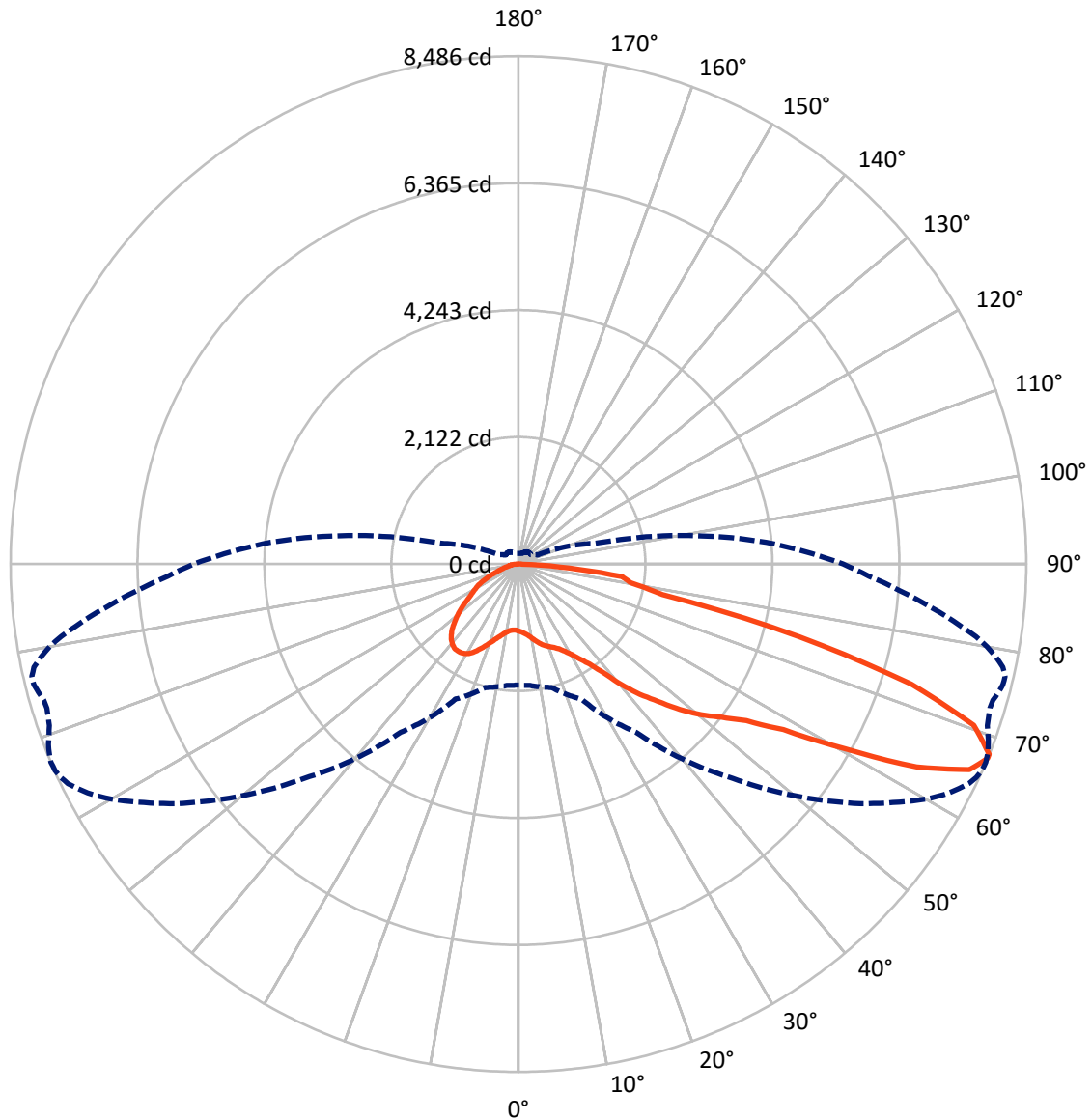
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 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	2365.3	0.0	2365.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7884.7	0.0	7884.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	10250.0	0.0	10250.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	1.1
10°-20°	382.2	3.7
20°-30°	675.0	6.6
30°-40°	968.8	9.5
40°-50°	1471.4	14.4
50°-60°	2166.4	21.1
60°-70°	2879.1	28.1
70°-80°	1408.5	13.7
80°-90°	187.0	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°	10250.0	100.0
0°-180°	10250.0	100.0



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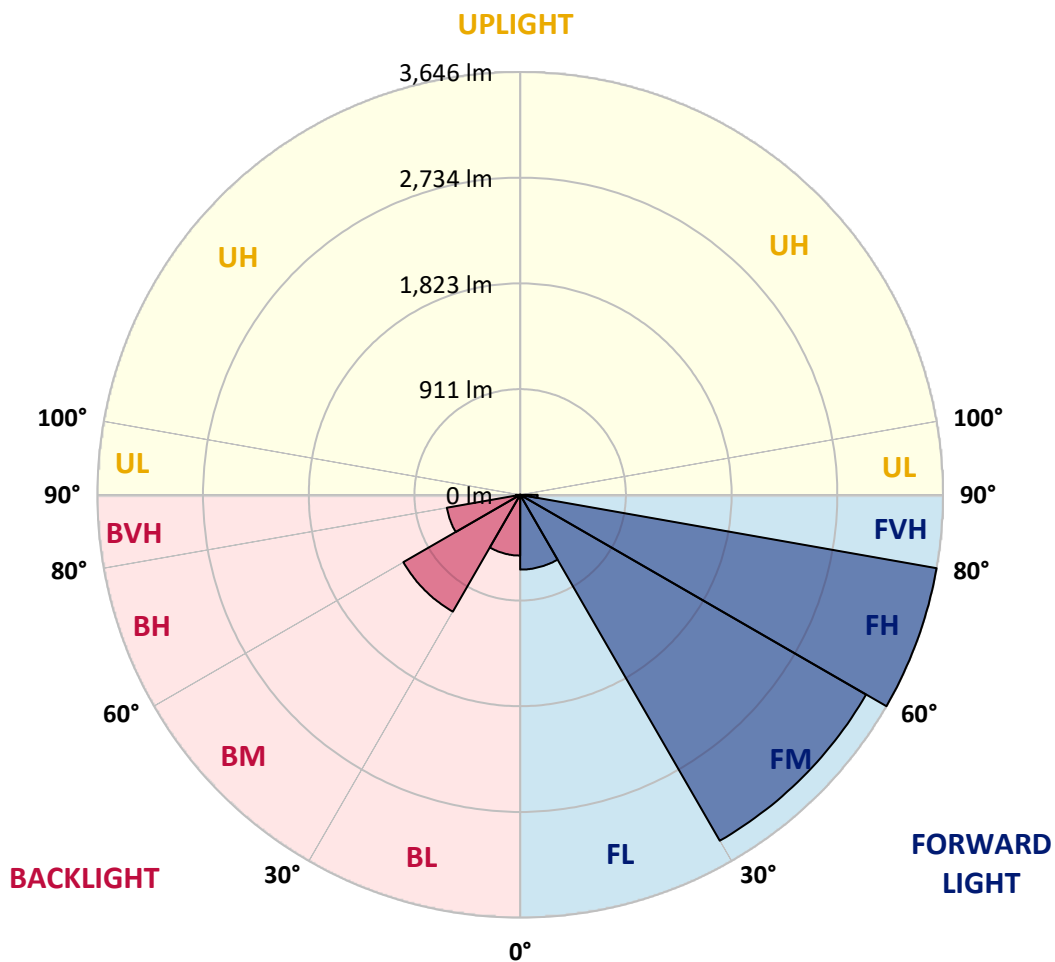
CATALOG NUMBER: VWM-E04-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.8	6.3			
FM (30°-60°)	3443.8	33.6			
FH (60°-80°)	3645.8	35.6			G2/5000
FVH (80°-90°)	150.2	1.5			G2/225
BL (0°-30°)	523.9	5.1	B2/1000		
BM (30°-60°)	1162.9	11.3	B2/2500		
BH (60°-80°)	641.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	36.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7
2.5°	1172.6	1173.7	1171.5	1170.3	1163.6	1156.8	1152.3	1146.7	1146.7	1146.7	1144.5
5°	1239.0	1234.5	1237.9	1230.0	1216.5	1204.1	1191.7	1181.6	1179.3	1179.3	1174.8
7.5°	1318.9	1313.2	1311.0	1299.7	1279.5	1261.5	1236.7	1226.6	1221.0	1218.7	1216.5
10°	1415.7	1415.7	1401.0	1381.9	1354.9	1323.4	1296.4	1278.4	1277.2	1277.2	1267.1
12.5°	1514.7	1516.9	1497.8	1478.7	1434.8	1393.1	1361.6	1341.4	1340.3	1335.8	1330.1
15°	1605.8	1600.2	1587.8	1559.7	1511.3	1461.8	1422.4	1402.2	1397.6	1393.1	1389.8
17.5°	1681.2	1675.6	1659.8	1623.8	1573.2	1514.7	1466.3	1444.9	1442.7	1440.4	1435.9
20°	1728.5	1724.0	1701.5	1659.8	1607.0	1547.3	1495.6	1480.9	1476.4	1476.4	1474.2
22.5°	1755.5	1748.7	1716.1	1661.0	1609.2	1565.3	1522.6	1513.6	1510.2	1511.3	1511.3
25°	1769.0	1763.4	1717.2	1638.5	1589.0	1576.6	1558.6	1552.9	1554.1	1555.2	1557.4
27.5°	1771.3	1763.4	1709.4	1609.2	1563.1	1598.0	1610.3	1619.3	1619.3	1623.8	1631.7
30°	1754.4	1745.4	1693.6	1586.7	1551.8	1640.7	1690.2	1713.9	1722.9	1720.6	1738.6
32.5°	1725.1	1719.5	1677.9	1586.7	1583.3	1725.1	1812.9	1846.7	1851.2	1853.4	1873.7
35°	1715.0	1713.9	1695.9	1640.7	1681.2	1873.7	2007.6	2033.5	2039.1	2039.1	2053.7
37.5°	1712.7	1718.4	1738.6	1742.0	1853.4	2094.2	2269.8	2309.2	2309.2	2320.4	2320.4
40°	1712.7	1725.1	1801.6	1892.8	2063.8	2381.2	2624.2	2669.3	2669.3	2681.6	2674.9
42.5°	1779.1	1797.1	1923.2	2096.5	2329.4	2677.1	2956.2	3006.9	3010.2	3006.9	3017.0
45°	1909.7	1925.4	2078.5	2327.2	2602.9	2994.5	3273.6	3334.3	3321.9	3329.8	3333.2
47.5°	2083.0	2107.7	2282.2	2579.2	2869.6	3288.2	3629.2	3684.3	3679.8	3683.2	3668.5
50°	2267.5	2293.4	2488.1	2829.1	3135.1	3524.5	3915.0	3997.1	3989.3	3994.9	4002.8
52.5°	2430.7	2446.4	2634.4	3017.0	3336.6	3745.1	4134.4	4236.8	4254.8	4257.1	4262.7
55°	2527.5	2546.6	2718.8	3110.4	3482.9	3961.1	4385.4	4540.7	4575.6	4584.6	4609.3
57.5°	2561.2	2581.5	2737.9	3123.9	3562.8	4163.7	4735.4	5008.8	5038.1	5086.5	5165.2
60°	2560.1	2581.5	2717.7	3093.5	3643.8	4414.6	5280.0	5738.0	5886.6	5936.1	6048.6
62.5°	2455.5	2480.2	2618.6	3001.2	3747.3	4735.4	6090.2	6794.7	6986.0	7076.0	7197.6
65°	2225.9	2243.9	2373.3	2767.2	3718.1	5051.6	6767.7	7646.6	7821.0	7952.6	8169.8
67°	2022.2	2033.5	2134.7	2490.3	3432.2	5062.8	6981.5	7858.1	8010.0	8149.6	8373.5
67.5°	1970.4	1994.1	2072.8	2405.9	3325.3	4998.7	6966.9	7825.5	7980.8	8125.9	8362.3
70°	1603.6	1637.3	1676.7	1900.7	2614.1	4205.3	6450.3	7260.6	7396.7	7531.8	7861.5
72.5°	989.2	1049.9	1057.8	1199.6	1701.5	2906.7	5219.2	6122.9	6225.3	6322.1	6659.7
75°	582.9	591.9	620.1	734.8	998.2	1737.5	3502.0	4548.5	4643.1	4690.3	4954.8
77.5°	325.2	334.2	357.9	456.9	767.5	1170.3	2039.1	2672.6	2730.0	2789.7	2746.9
80°	135.0	147.4	158.7	184.6	359.0	923.9	1402.2	1699.2	1736.4	1771.3	1815.1
82.5°	65.3	69.8	85.5	97.9	130.5	379.2	1099.4	1473.0	1516.9	1567.6	1670.0
85°	30.4	33.8	47.3	56.3	63.0	95.7	368.0	716.8	777.6	788.9	809.1
87.5°	2.3	2.3	5.6	7.9	11.3	12.4	38.3	54.0	60.8	55.1	69.8
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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CATALOG NUMBER: VWM-E04-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7
2.5°	1143.3	1142.2	1140.0	1140.0	1138.8	1138.8	1138.8	1136.6	1136.6	1136.6	1135.4
5°	1173.7	1172.6	1169.2	1169.2	1167.0	1167.0	1163.6	1162.5	1160.2	1160.2	1159.1
7.5°	1213.1	1212.0	1207.5	1207.5	1204.1	1203.0	1200.7	1197.3	1197.3	1195.1	1192.8
10°	1267.1	1263.7	1262.6	1257.0	1258.1	1255.9	1253.6	1250.2	1248.0	1245.7	1243.5
12.5°	1327.9	1327.9	1322.3	1318.9	1321.1	1318.9	1314.4	1313.2	1309.9	1309.9	1306.5
15°	1385.3	1385.3	1383.0	1378.5	1379.6	1376.3	1375.1	1372.9	1368.4	1369.5	1368.4
17.5°	1434.8	1434.8	1431.4	1429.2	1429.2	1425.8	1426.9	1424.7	1422.4	1421.3	1417.9
20°	1474.2	1474.2	1471.9	1469.7	1470.8	1470.8	1467.4	1467.4	1467.4	1465.2	1465.2
22.5°	1512.4	1513.6	1513.6	1513.6	1514.7	1515.8	1514.7	1516.9	1515.8	1518.1	1518.1
25°	1563.1	1566.4	1568.7	1568.7	1574.3	1575.4	1576.6	1580.0	1580.0	1583.3	1584.5
27.5°	1638.5	1640.7	1649.7	1652.0	1653.1	1662.1	1663.2	1667.7	1672.2	1673.4	1674.5
30°	1742.0	1747.6	1754.4	1758.9	1758.9	1770.1	1774.6	1772.4	1784.8	1788.1	1792.6
32.5°	1880.4	1884.9	1891.7	1896.2	1900.7	1906.3	1907.4	1913.0	1923.2	1932.2	1926.5
35°	2054.8	2066.1	2054.8	2067.2	2070.6	2078.5	2076.2	2083.0	2087.5	2090.8	2089.7
37.5°	2308.0	2302.4	2300.2	2295.7	2287.8	2314.8	2301.3	2300.2	2293.4	2312.5	2300.2
40°	2641.1	2644.5	2647.9	2629.9	2619.7	2619.7	2616.4	2604.0	2598.4	2615.2	2613.0
42.5°	2988.9	2992.2	2976.5	2965.2	2939.3	2936.0	2920.2	2916.8	2911.2	2920.2	2911.2
45°	3305.1	3307.3	3272.4	3278.1	3257.8	3261.2	3236.4	3246.6	3233.0	3242.1	3258.9
47.5°	3658.4	3662.9	3632.5	3644.9	3624.7	3612.3	3611.2	3617.9	3603.3	3612.3	3616.8
50°	3979.1	3973.5	3957.8	3961.1	3952.1	3954.4	3940.9	3953.3	3936.4	3954.4	3952.1
52.5°	4263.8	4257.1	4253.7	4265.0	4257.1	4257.1	4249.2	4254.8	4257.1	4284.1	4289.7
55°	4609.3	4614.9	4620.6	4640.8	4649.8	4635.2	4649.8	4678.0	4679.1	4743.2	4778.1
57.5°	5164.1	5203.5	5223.7	5236.1	5289.0	5283.4	5317.1	5384.7	5391.4	5540.0	5626.6
60°	6131.9	6201.6	6268.0	6232.0	6338.9	6371.6	6391.8	6517.9	6557.2	6697.9	6773.3
62.5°	7354.0	7361.9	7465.4	7432.7	7493.5	7478.9	7503.6	7561.0	7612.8	7728.7	7799.6
65°	8207.0	8244.1	8284.6	8243.0	8241.9	8192.3	8160.8	8159.7	8191.2	8216.0	8294.7
67°	8438.8	8475.9	8486.0	8455.7	8411.8	8348.8	8290.2	8259.9	8239.6	8250.9	8300.4
67.5°	8436.5	8471.4	8483.8	8454.5	8393.8	8340.9	8279.0	8244.1	8217.1	8222.7	8264.4
70°	7957.1	8032.5	8073.1	8082.1	8074.2	7981.9	7929.0	7897.5	7875.0	7819.9	7816.5
72.5°	6741.8	6833.0	6864.5	6915.1	6937.6	6801.4	6744.1	6778.9	6700.2	6525.7	6533.6
75°	4950.3	4957.0	4851.3	4831.0	4755.6	4447.3	4355.0	4270.6	4135.6	3925.1	3727.1
77.5°	2580.4	2579.2	2457.7	2395.8	2305.8	2120.1	2111.1	1960.3	1854.5	1662.1	1592.3
80°	1833.1	1862.4	1902.9	1923.2	1891.7	1819.6	1720.6	1613.7	1491.1	1370.6	1226.6
82.5°	1704.9	1722.9	1744.2	1665.5	1621.6	1520.3	1444.9	1289.6	1203.0	1065.7	920.5
85°	829.4	884.5	841.7	792.2	775.3	606.5	586.3	489.5	444.5	365.7	341.0
87.5°	52.9	65.3	58.5	52.9	46.1	25.9	34.9	24.8	25.9	19.1	16.9
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7
2.5°	1135.4	1134.3	1133.2	1132.1	1130.9	1130.9	1129.8	1128.7	1127.6	1125.3	1125.3
5°	1156.8	1156.8	1155.7	1153.5	1153.5	1151.2	1147.8	1146.7	1146.7	1144.5	1142.2
7.5°	1191.7	1190.6	1188.3	1187.2	1185.0	1182.7	1180.5	1178.2	1177.1	1173.7	1172.6
10°	1244.6	1242.4	1236.7	1234.5	1233.4	1231.1	1228.9	1226.6	1223.2	1221.0	1219.8
12.5°	1304.2	1303.1	1298.6	1300.9	1295.2	1293.0	1290.7	1285.1	1287.4	1282.9	1280.6
15°	1363.9	1365.0	1362.8	1362.8	1358.3	1354.9	1352.6	1348.1	1347.0	1344.8	1342.5
17.5°	1416.8	1419.0	1415.7	1413.4	1411.2	1408.9	1404.4	1399.9	1399.9	1395.4	1393.1
20°	1465.2	1467.4	1466.3	1464.0	1460.7	1459.5	1457.3	1453.9	1453.9	1451.7	1448.3
22.5°	1520.3	1521.4	1521.4	1520.3	1516.9	1518.1	1515.8	1512.4	1513.6	1509.1	1509.1
25°	1586.7	1589.0	1591.2	1592.3	1590.1	1591.2	1589.0	1586.7	1585.6	1586.7	1585.6
27.5°	1677.9	1680.1	1686.9	1681.2	1686.9	1688.0	1684.6	1680.1	1683.5	1689.1	1685.7
30°	1798.3	1796.0	1805.0	1806.1	1805.0	1806.1	1803.9	1800.5	1802.8	1812.9	1807.3
32.5°	1933.3	1937.8	1940.1	1942.3	1945.7	1950.2	1946.8	1943.4	1949.1	1945.7	1953.6
35°	2096.5	2106.6	2110.0	2106.6	2108.9	2116.7	2115.6	2116.7	2128.0	2116.7	2131.4
37.5°	2302.4	2312.5	2320.4	2315.9	2321.5	2321.5	2330.5	2355.3	2339.5	2359.8	2375.6
40°	2601.7	2617.5	2618.6	2617.5	2623.1	2629.9	2638.9	2665.9	2647.9	2669.3	2683.9
42.5°	2910.1	2929.2	2936.0	2924.7	2937.1	2951.7	2952.8	2976.5	2977.6	2981.0	2988.9
45°	3257.8	3274.7	3288.2	3282.6	3283.7	3302.8	3298.3	3320.8	3303.9	3303.9	3308.4
47.5°	3628.0	3643.8	3652.8	3661.8	3650.5	3667.4	3675.3	3670.8	3650.5	3646.0	3619.0
50°	3965.6	3979.1	3992.6	4017.4	4016.3	4024.1	4029.8	4009.5	4005.0	3980.3	3949.9
52.5°	4323.5	4358.4	4388.8	4440.5	4448.4	4475.4	4465.3	4431.5	4425.9	4385.4	4344.9
55°	4822.0	4922.2	4966.0	5045.9	5100.0	5098.8	5076.3	5070.7	5027.9	4946.9	4898.5
57.5°	5689.6	5846.0	5921.4	6025.0	6041.8	6031.7	6002.5	5950.7	5876.4	5740.3	5652.5
60°	6942.1	7038.9	7126.7	7151.4	7163.8	7144.7	7042.3	6927.5	6782.3	6594.4	6438.0
62.5°	7888.5	7987.5	8052.8	8042.7	7965.0	7867.1	7717.5	7525.0	7321.3	7110.9	6876.8
65°	8370.1	8411.8	8401.6	8322.9	8190.1	8019.0	7800.7	7563.3	7323.6	7074.9	6831.8
67°	8344.3	8345.4	8276.7	8123.7	7953.8	7738.8	7472.1	7213.3	6932.0	6670.9	6381.7
67.5°	8298.1	8293.6	8198.0	8030.3	7846.9	7625.2	7348.3	7080.5	6789.1	6525.7	6226.4
70°	7776.0	7713.0	7496.9	7229.1	6973.6	6674.3	6383.9	6076.7	5748.1	5522.0	5177.6
72.5°	6389.6	6176.9	5804.4	5524.2	5250.7	4859.1	4678.0	4296.5	4065.8	3921.7	3661.8
75°	3700.1	3522.3	3234.2	2972.0	2839.2	2607.4	2497.1	2216.9	2158.4	2156.1	2066.1
77.5°	1412.3	1232.2	1046.5	842.9	716.8	569.4	501.9	449.0	408.5	436.6	396.1
80°	1058.9	871.0	680.8	495.1	353.4	261.1	223.9	207.1	196.9	189.1	183.4
82.5°	788.9	622.3	482.8	315.1	220.6	166.5	144.0	135.0	130.5	122.7	115.9
85°	266.7	213.8	168.8	117.0	92.3	75.4	69.8	67.5	64.1	58.5	55.1
87.5°	14.6	13.5	14.6	11.3	13.5	11.3	12.4	12.4	12.4	11.3	11.3
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°	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7	1119.7
2.5°	1124.2	1124.2	1124.2	1121.9	1118.6	1111.8	1105.1	1099.4	1093.8	1090.4	1088.2
5°	1141.1	1138.8	1137.7	1136.6	1128.7	1115.2	1102.8	1091.6	1080.3	1071.3	1067.9
7.5°	1171.5	1167.0	1165.8	1162.5	1152.3	1132.1	1114.1	1096.1	1080.3	1067.9	1062.3
10°	1217.6	1217.6	1210.8	1206.3	1195.1	1168.1	1142.2	1118.6	1097.2	1083.7	1080.3
12.5°	1276.1	1276.1	1270.5	1267.1	1253.6	1218.7	1187.2	1159.1	1138.8	1125.3	1124.2
15°	1336.9	1335.8	1331.3	1326.8	1312.1	1275.0	1243.5	1218.7	1201.8	1186.1	1181.6
17.5°	1390.9	1390.9	1385.3	1380.8	1366.1	1334.6	1306.5	1288.5	1269.4	1236.7	1212.0
20°	1444.9	1446.0	1441.5	1437.0	1424.7	1397.6	1385.3	1367.3	1324.5	1253.6	1195.1
22.5°	1504.6	1509.1	1503.4	1498.9	1488.8	1477.5	1473.0	1430.3	1340.3	1226.6	1141.1
25°	1581.1	1589.0	1582.2	1580.0	1574.3	1577.7	1564.2	1465.2	1317.8	1168.1	1061.2
27.5°	1685.7	1685.7	1686.9	1686.9	1684.6	1697.0	1647.5	1466.3	1268.2	1092.7	965.5
30°	1808.4	1815.1	1812.9	1812.9	1821.9	1829.8	1693.6	1441.5	1205.2	999.3	848.5
32.5°	1955.8	1961.4	1963.7	1953.6	1989.6	1949.1	1710.5	1396.5	1127.6	883.4	709.0
35°	2133.6	2141.5	2147.1	2148.2	2171.9	2052.6	1701.5	1330.1	1016.2	738.2	555.9
37.5°	2365.4	2381.2	2393.6	2399.2	2400.3	2140.4	1676.7	1242.4	871.0	576.2	414.1
40°	2673.8	2690.6	2687.3	2698.5	2634.4	2192.1	1620.5	1115.2	690.9	423.1	319.6
42.5°	2970.8	2973.1	2977.6	2967.5	2836.9	2219.1	1541.7	959.9	517.6	316.2	273.5
45°	3302.8	3283.7	3262.3	3246.6	3023.7	2229.3	1433.7	770.8	365.7	265.6	253.2
47.5°	3614.5	3588.6	3544.8	3499.7	3190.3	2213.5	1295.2	577.3	278.0	243.1	239.7
50°	3920.6	3872.2	3810.3	3758.6	3350.1	2189.9	1142.2	416.4	243.1	231.8	228.4
52.5°	4299.9	4218.8	4137.8	4070.3	3558.3	2152.7	981.3	316.2	228.4	222.8	218.3
55°	4819.8	4707.2	4576.7	4482.2	3840.7	2096.5	812.5	267.8	221.7	217.2	210.4
57.5°	5540.0	5371.2	5223.7	5069.6	4226.7	2039.1	667.3	248.7	220.6	213.8	204.8
60°	6275.9	6073.4	5885.4	5664.9	4620.6	1981.7	566.0	246.4	223.9	213.8	200.3
62.5°	6658.5	6449.2	6223.0	5999.1	4790.5	1846.7	496.3	249.8	231.8	217.2	200.3
65°	6570.8	6315.3	6085.7	5857.3	4593.6	1591.2	419.7	254.3	247.6	230.7	203.7
67°	6129.6	5862.9	5642.4	5424.0	4154.7	1332.4	360.1	258.8	264.5	246.4	210.4
67.5°	5974.3	5707.6	5490.4	5277.8	4025.3	1278.4	345.5	261.1	267.8	250.9	212.7
70°	4953.7	4757.9	4527.2	4362.9	3258.9	946.4	283.6	265.6	288.1	276.8	222.8
72.5°	3565.0	3378.2	3204.9	3113.8	2400.3	661.7	238.6	261.1	300.5	291.5	227.3
75°	1895.0	1883.8	1820.8	1865.8	1485.4	432.1	210.4	244.2	287.0	266.7	211.6
77.5°	382.6	393.9	462.5	455.8	479.4	240.8	180.1	209.3	221.7	195.8	172.2
80°	177.8	174.4	171.0	173.3	169.9	154.2	146.3	164.3	154.2	126.0	114.8
82.5°	110.3	108.0	104.7	103.5	114.8	122.7	128.3	129.4	102.4	87.8	84.4
85°	52.9	52.9	51.8	54.0	67.5	100.2	108.0	95.7	68.6	63.0	59.6
87.5°	10.1	10.1	11.3	10.1	13.5	23.6	27.0	31.5	25.9	27.0	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):

	165°	175°	180°
0°	1119.7	1119.7	1119.7
2.5°	1085.9	1083.7	1083.7
5°	1063.4	1062.3	1062.3
7.5°	1057.8	1058.9	1057.8
10°	1079.2	1078.1	1082.6
12.5°	1126.4	1129.8	1128.7
15°	1176.0	1178.2	1178.2
17.5°	1190.6	1182.7	1181.6
20°	1152.3	1137.7	1134.3
22.5°	1080.3	1053.3	1054.4
25°	989.2	956.5	958.8
27.5°	883.4	848.5	847.4
30°	756.2	718.0	698.8
32.5°	603.2	557.0	557.0
35°	453.5	416.4	402.9
37.5°	344.3	323.0	316.2
40°	287.0	276.8	274.6
42.5°	261.1	257.7	256.6
45°	247.6	245.3	244.2
47.5°	235.2	234.1	232.9
50°	226.2	225.1	223.9
52.5°	218.3	216.1	214.9
55°	207.1	207.1	207.1
57.5°	200.3	200.3	199.2
60°	193.6	192.4	192.4
62.5°	187.9	185.7	186.8
65°	184.6	181.2	181.2
67°	182.3	175.6	175.6
67.5°	182.3	173.3	173.3
70°	178.9	164.3	162.0
72.5°	175.6	154.2	150.8
75°	166.5	146.3	142.9
77.5°	142.9	130.5	128.3
80°	110.3	95.7	97.9
82.5°	79.9	68.6	67.5
85°	57.4	49.5	49.5
87.5°	30.4	25.9	27.0
90°	0.0	0.0	0.0

(END OF REPORT)