

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: P151103

Luminaire Tested: **VWM-F05-LED-E1-SL3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151103
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-F05-LED-E1-SL3-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10577 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

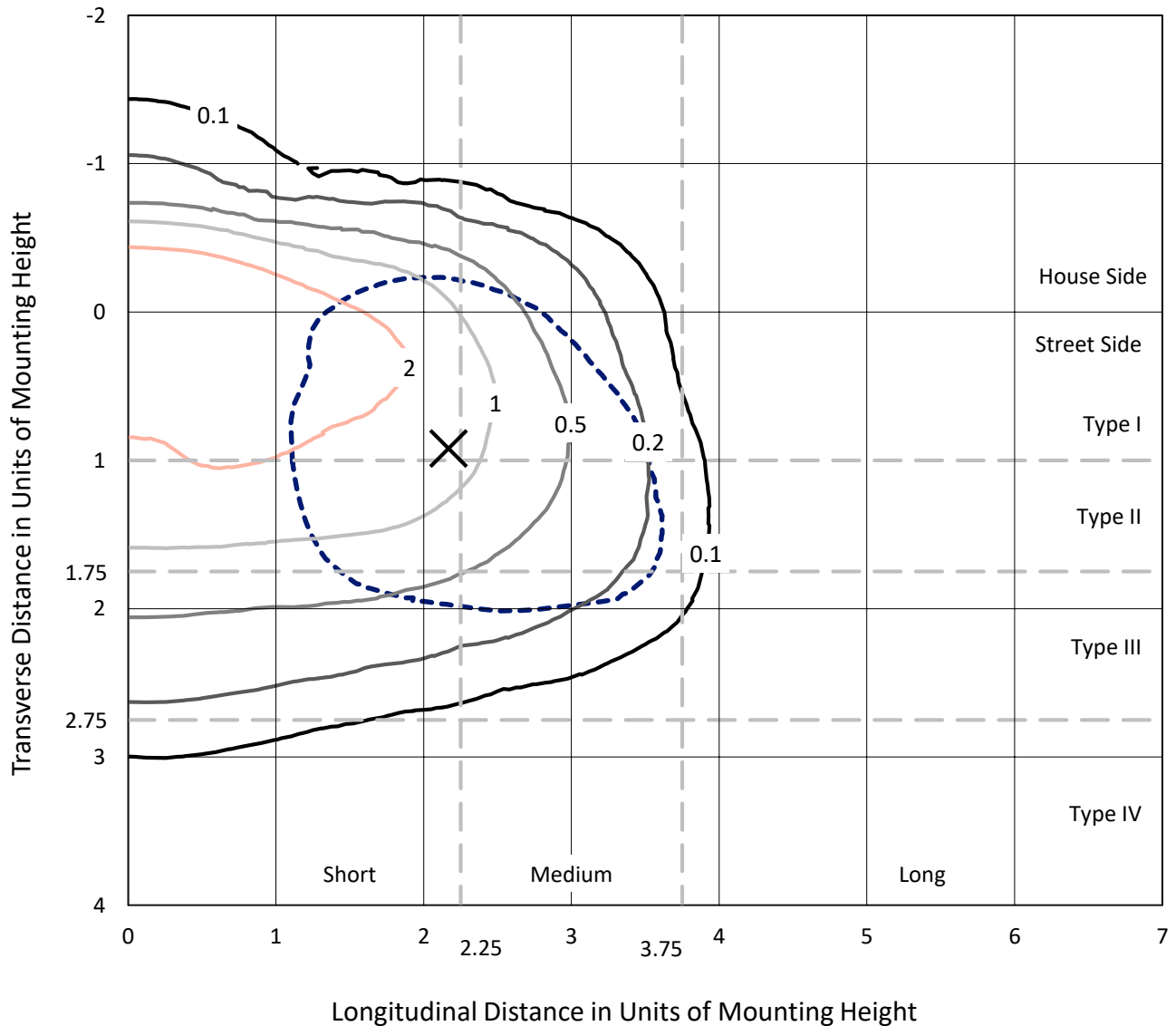
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

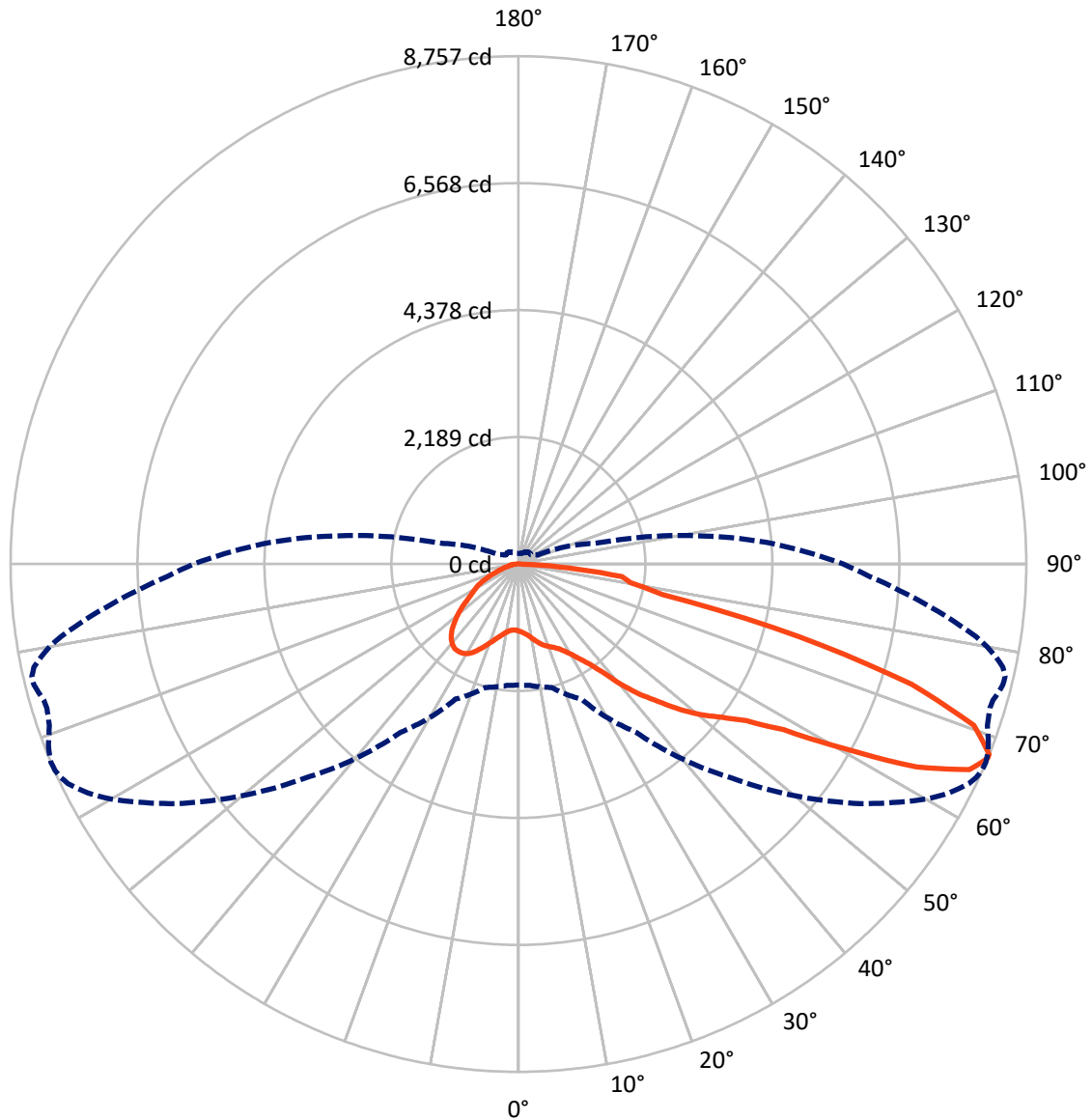
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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	2440.8	0.0	2440.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	8136.2	0.0	8136.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	10577.0	0.0	10577.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	1.1
10°-20°	394.4	3.7
20°-30°	696.5	6.6
30°-40°	999.7	9.5
40°-50°	1518.4	14.4
50°-60°	2235.5	21.1
60°-70°	2970.9	28.1
70°-80°	1453.5	13.7
80°-90°	193.0	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°	10577.0	100.0
0°-180°	10577.0	100.0



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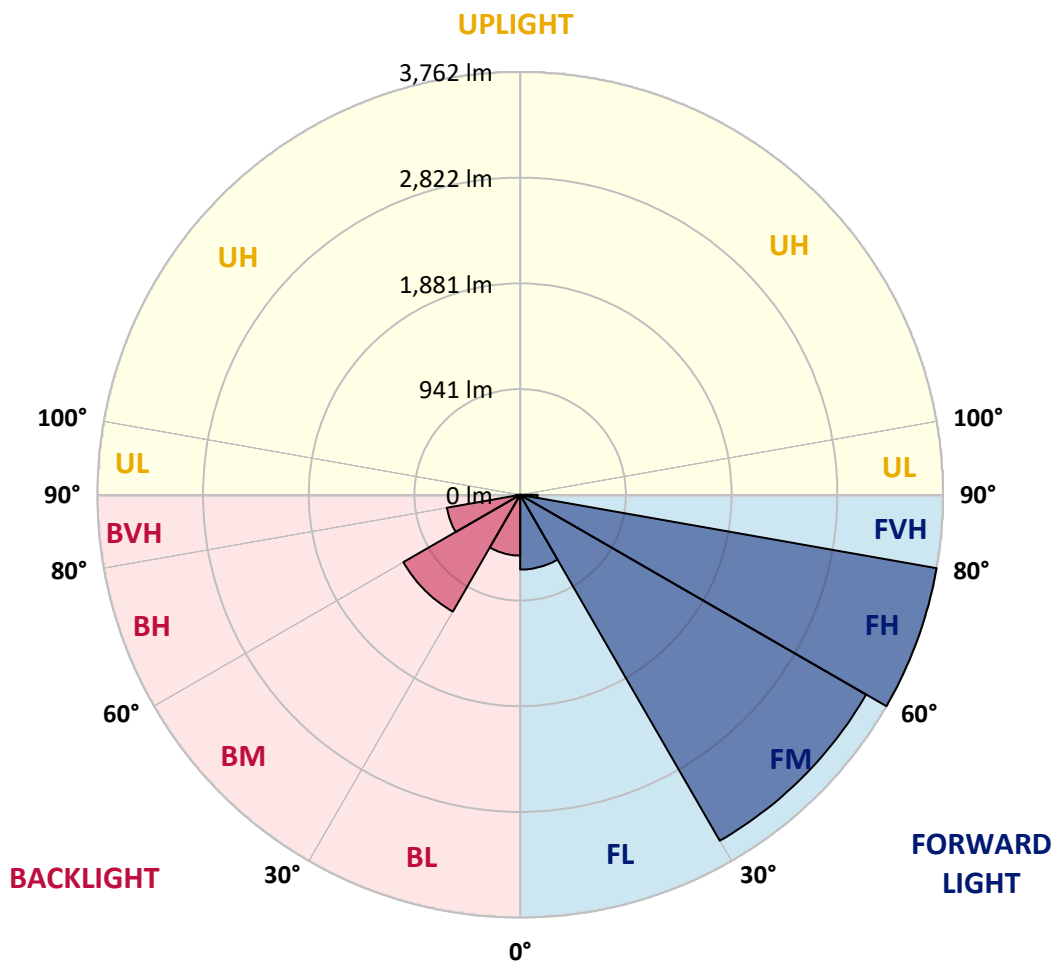
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	665.4	6.3			
FM	(30°-60°)	3553.6	33.6			
FH	(60°-80°)	3762.1	35.6			G2/5000
FVH	(80°-90°)	155.0	1.5			G2/225
BL	(0°-30°)	540.6	5.1	B2/1000		
BM	(30°-60°)	1200.0	11.3	B2/2500		
BH	(60°-80°)	662.3	6.3	B2/1000		G2/1000
BVH	(80°-90°)	38.0	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°	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1210.0	1211.2	1208.8	1207.7	1200.7	1193.7	1189.1	1183.3	1183.3	1183.3	1181.0
5°	1278.5	1273.9	1277.3	1269.2	1255.3	1242.5	1229.7	1219.3	1217.0	1217.0	1212.3
7.5°	1361.0	1355.2	1352.8	1341.2	1320.3	1301.7	1276.2	1265.7	1259.9	1257.6	1255.3
10°	1460.8	1460.8	1445.7	1426.0	1398.1	1365.6	1337.7	1319.2	1318.0	1318.0	1307.5
12.5°	1563.0	1565.3	1545.6	1525.9	1480.6	1437.6	1405.1	1384.2	1383.0	1378.4	1372.6
15°	1657.1	1651.3	1638.5	1609.5	1559.5	1508.4	1467.8	1446.9	1442.2	1437.6	1434.1
17.5°	1734.9	1729.1	1712.8	1675.6	1623.4	1563.0	1513.1	1491.0	1488.7	1486.4	1481.7
20°	1783.6	1779.0	1755.8	1712.8	1658.2	1596.7	1543.3	1528.2	1523.5	1523.5	1521.2
22.5°	1811.5	1804.5	1770.9	1714.0	1660.6	1615.3	1571.1	1561.8	1558.4	1559.5	1559.5
25°	1825.4	1819.6	1772.0	1690.7	1639.7	1626.9	1608.3	1602.5	1603.7	1604.8	1607.1
27.5°	1827.8	1819.6	1763.9	1660.6	1612.9	1648.9	1661.7	1671.0	1671.0	1675.6	1683.8
30°	1810.4	1801.1	1747.6	1637.3	1601.3	1693.1	1744.2	1768.5	1777.8	1775.5	1794.1
32.5°	1780.2	1774.4	1731.4	1637.3	1633.8	1780.2	1870.7	1905.6	1910.2	1912.5	1933.4
35°	1769.7	1768.5	1750.0	1693.1	1734.9	1933.4	2071.6	2098.3	2104.1	2104.1	2119.2
37.5°	1767.4	1773.2	1794.1	1797.6	1912.5	2161.0	2342.2	2382.8	2382.8	2394.4	2394.4
40°	1767.4	1780.2	1859.1	1953.2	2129.7	2457.2	2708.0	2754.4	2754.4	2767.2	2760.2
42.5°	1835.9	1854.5	1984.5	2163.4	2403.7	2762.6	3050.5	3102.8	3106.3	3102.8	3113.2
45°	1970.6	1986.9	2144.8	2401.4	2685.9	3090.0	3378.0	3440.7	3427.9	3436.1	3439.6
47.5°	2149.4	2175.0	2355.0	2661.5	2961.1	3393.1	3745.0	3801.9	3797.2	3800.7	3785.6
50°	2339.9	2366.6	2567.5	2919.3	3235.2	3637.0	4039.9	4124.7	4116.5	4122.4	4130.5
52.5°	2508.2	2524.5	2718.4	3113.2	3443.0	3864.6	4266.3	4372.0	4390.6	4392.9	4398.7
55°	2608.1	2627.9	2805.5	3209.6	3594.0	4087.5	4525.3	4685.5	4721.5	4730.8	4756.4
57.5°	2643.0	2663.9	2825.3	3223.6	3676.4	4296.5	4886.4	5168.6	5198.8	5248.7	5330.0
60°	2641.8	2663.9	2804.4	3192.2	3760.0	4555.5	5448.5	5921.1	6074.4	6125.5	6241.6
62.5°	2533.8	2559.3	2702.2	3097.0	3866.9	4886.4	6284.6	7011.5	7208.9	7301.8	7427.2
65°	2296.9	2315.5	2449.0	2855.5	3836.7	5212.7	6983.6	7890.5	8070.5	8206.4	8430.5
67°	2086.7	2098.3	2202.8	2569.8	3541.7	5224.4	7204.2	8108.8	8265.6	8409.6	8640.7
67.5°	2033.3	2057.7	2139.0	2482.7	3431.4	5158.2	7189.1	8075.2	8235.4	8385.2	8629.1
70°	1654.7	1689.6	1730.2	1961.3	2697.5	4339.5	6656.1	7492.2	7632.7	7772.1	8112.3
72.5°	1020.7	1083.4	1091.6	1237.9	1755.8	2999.4	5385.8	6318.2	6423.9	6523.8	6872.1
75°	601.5	610.8	639.8	758.3	1030.0	1792.9	3613.7	4693.7	4791.2	4840.0	5112.9
77.5°	335.6	344.9	369.3	471.5	792.0	1207.7	2104.1	2757.9	2817.1	2878.7	2834.6
80°	139.3	152.1	163.7	190.4	370.4	953.4	1446.9	1753.5	1791.8	1827.8	1873.1
82.5°	67.4	72.0	88.3	101.0	134.7	391.3	1134.5	1520.0	1565.3	1617.6	1723.3
85°	31.4	34.8	48.8	58.1	65.0	98.7	379.7	739.7	802.4	814.0	834.9
87.5°	2.3	2.3	5.8	8.1	11.6	12.8	39.5	55.7	62.7	56.9	72.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1179.8	1178.6	1176.3	1176.3	1175.2	1175.2	1175.2	1172.8	1172.8	1172.8	1171.7
5°	1211.2	1210.0	1206.5	1206.5	1204.2	1204.2	1200.7	1199.5	1197.2	1197.2	1196.1
7.5°	1251.8	1250.6	1246.0	1246.0	1242.5	1241.4	1239.0	1235.5	1235.5	1233.2	1230.9
10°	1307.5	1304.1	1302.9	1297.1	1298.3	1295.9	1293.6	1290.1	1287.8	1285.5	1283.2
12.5°	1370.2	1370.2	1364.4	1361.0	1363.3	1361.0	1356.3	1355.2	1351.7	1351.7	1348.2
15°	1429.5	1429.5	1427.1	1422.5	1423.7	1420.2	1419.0	1416.7	1412.1	1413.2	1412.1
17.5°	1480.6	1480.6	1477.1	1474.8	1474.8	1471.3	1472.4	1470.1	1467.8	1466.6	1463.1
20°	1521.2	1521.2	1518.9	1516.6	1517.7	1517.7	1514.2	1514.2	1514.2	1511.9	1511.9
22.5°	1560.7	1561.8	1561.8	1561.8	1563.0	1564.2	1563.0	1565.3	1564.2	1566.5	1566.5
25°	1612.9	1616.4	1618.7	1618.7	1624.6	1625.7	1626.9	1630.4	1630.4	1633.8	1635.0
27.5°	1690.7	1693.1	1702.4	1704.7	1705.8	1715.1	1716.3	1720.9	1725.6	1726.7	1727.9
30°	1797.6	1803.4	1810.4	1815.0	1815.0	1826.6	1831.3	1828.9	1841.7	1845.2	1849.8
32.5°	1940.4	1945.1	1952.0	1956.7	1961.3	1967.1	1968.3	1974.1	1984.5	1993.8	1988.0
35°	2120.4	2132.0	2120.4	2133.2	2136.7	2144.8	2142.5	2149.4	2154.1	2157.6	2156.4
37.5°	2381.7	2375.9	2373.5	2368.9	2360.8	2388.6	2374.7	2373.5	2366.6	2386.3	2373.5
40°	2725.4	2728.9	2732.4	2713.8	2703.3	2703.3	2699.9	2687.1	2681.3	2698.7	2696.4
42.5°	3084.2	3087.7	3071.4	3059.8	3033.1	3029.6	3013.4	3009.9	3004.1	3013.4	3004.1
45°	3410.5	3412.8	3376.8	3382.7	3361.7	3365.2	3339.7	3350.1	3336.2	3345.5	3362.9
47.5°	3775.1	3779.8	3748.4	3761.2	3740.3	3727.5	3726.4	3733.3	3718.2	3727.5	3732.2
50°	4106.1	4100.3	4084.0	4087.5	4078.2	4080.5	4066.6	4079.4	4062.0	4080.5	4078.2
52.5°	4399.9	4392.9	4389.4	4401.0	4392.9	4392.9	4384.8	4390.6	4392.9	4420.8	4426.6
55°	4756.4	4762.2	4768.0	4788.9	4798.2	4783.1	4798.2	4827.2	4828.4	4894.6	4930.6
57.5°	5328.9	5369.5	5390.4	5403.2	5457.8	5452.0	5486.8	5556.5	5563.4	5716.7	5806.1
60°	6327.5	6399.5	6468.0	6430.9	6541.2	6574.9	6595.8	6725.8	6766.5	6911.6	6989.4
62.5°	7588.6	7596.7	7703.6	7669.9	7732.6	7717.5	7743.1	7802.3	7855.7	7975.3	8048.5
65°	8468.8	8507.1	8548.9	8506.0	8504.8	8453.7	8421.2	8420.0	8452.6	8478.1	8559.4
67°	8708.0	8746.4	8756.8	8725.5	8680.2	8615.1	8554.8	8523.4	8502.5	8514.1	8565.2
67.5°	8705.7	8741.7	8754.5	8724.3	8661.6	8607.0	8543.1	8507.1	8479.3	8485.1	8528.0
70°	8211.0	8288.8	8330.6	8339.9	8331.8	8236.6	8182.0	8149.5	8126.3	8069.4	8065.9
72.5°	6956.9	7051.0	7083.5	7135.7	7159.0	7018.4	6959.2	6995.2	6913.9	6733.9	6742.1
75°	5108.2	5115.2	5006.0	4985.1	4907.3	4589.2	4493.9	4406.9	4267.5	4050.4	3846.0
77.5°	2662.7	2661.5	2536.1	2472.2	2379.4	2187.7	2178.5	2022.9	1913.7	1715.1	1643.1
80°	1891.6	1921.8	1963.6	1984.5	1952.0	1877.7	1775.5	1665.2	1538.6	1414.4	1265.7
82.5°	1759.3	1777.8	1799.9	1718.6	1673.3	1568.8	1491.0	1330.8	1241.4	1099.7	949.9
85°	855.8	912.7	868.6	817.5	800.1	625.9	605.0	505.1	458.7	377.4	351.9
87.5°	54.6	67.4	60.4	54.6	47.6	26.7	36.0	25.5	26.7	19.7	17.4
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1171.7	1170.5	1169.4	1168.2	1167.0	1167.0	1165.9	1164.7	1163.5	1161.2	1161.2
5°	1193.7	1193.7	1192.6	1190.3	1190.3	1187.9	1184.5	1183.3	1183.3	1181.0	1178.6
7.5°	1229.7	1228.6	1226.3	1225.1	1222.8	1220.4	1218.1	1215.8	1214.6	1211.2	1210.0
10°	1284.3	1282.0	1276.2	1273.9	1272.7	1270.4	1268.1	1265.7	1262.3	1259.9	1258.8
12.5°	1345.9	1344.7	1340.1	1342.4	1336.6	1334.2	1331.9	1326.1	1328.4	1323.8	1321.5
15°	1407.4	1408.6	1406.2	1406.2	1401.6	1398.1	1395.8	1391.1	1390.0	1387.7	1385.3
17.5°	1462.0	1464.3	1460.8	1458.5	1456.2	1453.9	1449.2	1444.6	1444.6	1439.9	1437.6
20°	1511.9	1514.2	1513.1	1510.8	1507.3	1506.1	1503.8	1500.3	1500.3	1498.0	1494.5
22.5°	1568.8	1570.0	1570.0	1568.8	1565.3	1566.5	1564.2	1560.7	1561.8	1557.2	1557.2
25°	1637.3	1639.7	1642.0	1643.1	1640.8	1642.0	1639.7	1637.3	1636.2	1637.3	1636.2
27.5°	1731.4	1733.7	1740.7	1734.9	1740.7	1741.8	1738.4	1733.7	1737.2	1743.0	1739.5
30°	1855.6	1853.3	1862.6	1863.8	1862.6	1863.8	1861.4	1858.0	1860.3	1870.7	1864.9
32.5°	1995.0	1999.6	2002.0	2004.3	2007.8	2012.4	2008.9	2005.4	2011.2	2007.8	2015.9
35°	2163.4	2173.8	2177.3	2173.8	2176.1	2184.3	2183.1	2184.3	2195.9	2184.3	2199.4
37.5°	2375.9	2386.3	2394.4	2389.8	2395.6	2395.6	2404.9	2430.4	2414.2	2435.1	2451.3
40°	2684.8	2701.0	2702.2	2701.0	2706.8	2713.8	2723.1	2750.9	2732.4	2754.4	2769.5
42.5°	3002.9	3022.7	3029.6	3018.0	3030.8	3045.9	3047.1	3071.4	3072.6	3076.1	3084.2
45°	3361.7	3379.2	3393.1	3387.3	3388.5	3408.2	3403.6	3426.8	3409.4	3409.4	3414.0
47.5°	3743.8	3760.0	3769.3	3778.6	3767.0	3784.4	3792.6	3787.9	3767.0	3762.4	3734.5
50°	4092.2	4106.1	4120.0	4145.6	4144.4	4152.5	4158.3	4137.4	4132.8	4107.3	4075.9
52.5°	4461.4	4497.4	4528.8	4582.2	4590.3	4618.2	4607.7	4572.9	4567.1	4525.3	4483.5
55°	4975.9	5079.2	5124.5	5206.9	5262.7	5261.5	5238.3	5232.5	5188.4	5104.7	5054.8
57.5°	5871.2	6032.6	6110.4	6217.2	6234.6	6224.2	6194.0	6140.6	6063.9	5923.4	5832.8
60°	7163.6	7263.5	7354.0	7379.6	7392.4	7372.6	7267.0	7148.5	6998.7	6804.8	6643.4
62.5°	8140.2	8242.4	8309.7	8299.3	8219.2	8118.1	7963.7	7765.1	7554.9	7337.8	7096.3
65°	8637.2	8680.2	8669.7	8588.4	8451.4	8274.9	8049.6	7804.6	7557.3	7300.6	7049.8
67°	8610.5	8611.7	8540.8	8382.9	8207.5	7985.8	7710.5	7443.5	7153.2	6883.7	6585.3
67.5°	8562.9	8558.2	8459.5	8286.5	8097.2	7868.5	7582.8	7306.4	7005.7	6733.9	6425.1
70°	8024.1	7959.0	7736.1	7459.7	7196.1	6887.2	6587.6	6270.6	5931.5	5698.1	5342.8
72.5°	6593.4	6374.0	5989.6	5700.5	5418.3	5014.2	4827.2	4433.6	4195.5	4046.9	3778.6
75°	3818.1	3634.6	3337.4	3066.8	2929.8	2690.6	2576.8	2287.6	2227.2	2224.9	2132.0
77.5°	1457.3	1271.5	1079.9	869.8	739.7	587.6	517.9	463.3	421.5	450.6	408.8
80°	1092.7	898.8	702.5	510.9	364.6	269.4	231.1	213.7	203.2	195.1	189.3
82.5°	814.0	642.2	498.2	325.1	227.6	171.9	148.6	139.3	134.7	126.6	119.6
85°	275.2	220.6	174.2	120.8	95.2	77.8	72.0	69.7	66.2	60.4	56.9
87.5°	15.1	13.9	15.1	11.6	13.9	11.6	12.8	12.8	12.8	11.6	11.6
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1160.1	1160.1	1160.1	1157.7	1154.3	1147.3	1140.3	1134.5	1128.7	1125.2	1122.9
5°	1177.5	1175.2	1174.0	1172.8	1164.7	1150.8	1138.0	1126.4	1114.8	1105.5	1102.0
7.5°	1208.8	1204.2	1203.0	1199.5	1189.1	1168.2	1149.6	1131.0	1114.8	1102.0	1096.2
10°	1256.4	1256.4	1249.5	1244.8	1233.2	1205.4	1178.6	1154.3	1132.2	1118.3	1114.8
12.5°	1316.8	1316.8	1311.0	1307.5	1293.6	1257.6	1225.1	1196.1	1175.2	1161.2	1160.1
15°	1379.5	1378.4	1373.7	1369.1	1354.0	1315.7	1283.2	1257.6	1240.2	1223.9	1219.3
17.5°	1435.3	1435.3	1429.5	1424.8	1409.7	1377.2	1348.2	1329.6	1309.9	1276.2	1250.6
20°	1491.0	1492.2	1487.5	1482.9	1470.1	1442.2	1429.5	1410.9	1366.8	1293.6	1233.2
22.5°	1552.6	1557.2	1551.4	1546.8	1536.3	1524.7	1520.0	1475.9	1383.0	1265.7	1177.5
25°	1631.5	1639.7	1632.7	1630.4	1624.6	1628.0	1614.1	1511.9	1359.8	1205.4	1095.0
27.5°	1739.5	1739.5	1740.7	1740.7	1738.4	1751.1	1700.0	1513.1	1308.7	1127.6	996.3
30°	1866.1	1873.1	1870.7	1870.7	1880.0	1888.2	1747.6	1487.5	1243.7	1031.2	875.6
32.5°	2018.2	2024.0	2026.3	2015.9	2053.0	2011.2	1765.1	1441.1	1163.5	911.6	731.6
35°	2201.7	2209.8	2215.6	2216.8	2241.2	2118.1	1755.8	1372.6	1048.6	761.8	573.6
37.5°	2440.9	2457.2	2469.9	2475.7	2476.9	2208.7	1730.2	1282.0	898.8	594.5	427.3
40°	2759.1	2776.5	2773.0	2784.6	2718.4	2262.1	1672.2	1150.8	713.0	436.6	329.8
42.5°	3065.6	3068.0	3072.6	3062.2	2927.5	2289.9	1590.9	990.5	534.2	326.3	282.2
45°	3408.2	3388.5	3366.4	3350.1	3120.2	2300.4	1479.4	795.4	377.4	274.0	261.3
47.5°	3729.9	3703.1	3657.9	3611.4	3292.1	2284.1	1336.6	595.7	286.8	250.8	247.3
50°	4045.7	3995.8	3931.9	3878.5	3457.0	2259.7	1178.6	429.7	250.8	239.2	235.7
52.5°	4437.0	4353.4	4269.8	4200.2	3671.8	2221.4	1012.6	326.3	235.7	229.9	225.3
55°	4973.5	4857.4	4722.7	4625.2	3963.3	2163.4	838.4	276.4	228.8	224.1	217.1
57.5°	5716.7	5542.5	5390.4	5231.3	4361.6	2104.1	688.6	256.6	227.6	220.6	211.3
60°	6476.2	6267.1	6073.2	5845.6	4768.0	2044.9	584.1	254.3	231.1	220.6	206.7
62.5°	6871.0	6655.0	6421.6	6190.5	4943.3	1905.6	512.1	257.8	239.2	224.1	206.7
65°	6780.4	6516.8	6279.9	6044.2	4740.1	1642.0	433.1	262.4	255.5	238.1	210.2
67°	6325.2	6050.0	5822.4	5597.1	4287.2	1374.9	371.6	267.1	272.9	254.3	217.1
67.5°	6164.9	5889.7	5665.6	5446.1	4153.7	1319.2	356.5	269.4	276.4	259.0	219.5
70°	5111.7	4909.7	4671.6	4502.1	3362.9	976.6	292.6	274.0	297.3	285.7	229.9
72.5°	3678.8	3486.0	3307.2	3213.1	2476.9	682.8	246.2	269.4	310.0	300.8	234.6
75°	1955.5	1943.9	1878.9	1925.3	1532.8	445.9	217.1	252.0	296.1	275.2	218.3
77.5°	394.8	406.4	477.3	470.3	494.7	248.5	185.8	216.0	228.8	202.1	177.7
80°	183.5	180.0	176.5	178.8	175.3	159.1	151.0	169.5	159.1	130.1	118.4
82.5°	113.8	111.5	108.0	106.8	118.4	126.6	132.4	133.5	105.7	90.6	87.1
85°	54.6	54.6	53.4	55.7	69.7	103.3	111.5	98.7	70.8	65.0	61.5
87.5°	10.5	10.5	11.6	10.5	13.9	24.4	27.9	32.5	26.7	27.9	31.4
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°	1155.4	1155.4	1155.4
2.5°	1120.6	1118.3	1118.3
5°	1097.4	1096.2	1096.2
7.5°	1091.6	1092.7	1091.6
10°	1113.6	1112.5	1117.1
12.5°	1162.4	1165.9	1164.7
15°	1213.5	1215.8	1215.8
17.5°	1228.6	1220.4	1219.3
20°	1189.1	1174.0	1170.5
22.5°	1114.8	1086.9	1088.1
25°	1020.7	987.0	989.4
27.5°	911.6	875.6	874.4
30°	780.3	740.9	721.1
32.5°	622.4	574.8	574.8
35°	468.0	429.7	415.7
37.5°	355.3	333.3	326.3
40°	296.1	285.7	283.3
42.5°	269.4	265.9	264.8
45°	255.5	253.1	252.0
47.5°	242.7	241.5	240.4
50°	233.4	232.2	231.1
52.5°	225.3	223.0	221.8
55°	213.7	213.7	213.7
57.5°	206.7	206.7	205.5
60°	199.7	198.6	198.6
62.5°	193.9	191.6	192.8
65°	190.4	187.0	187.0
67°	188.1	181.2	181.2
67.5°	188.1	178.8	178.8
70°	184.6	169.5	167.2
72.5°	181.2	159.1	155.6
75°	171.9	151.0	147.5
77.5°	147.5	134.7	132.4
80°	113.8	98.7	101.0
82.5°	82.4	70.8	69.7
85°	59.2	51.1	51.1
87.5°	31.4	26.7	27.9
90°	0.0	0.0	0.0

(END OF REPORT)