

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: P149964

Luminaire Tested: **VWM-F05-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149964
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
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-SL2-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11517.6 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

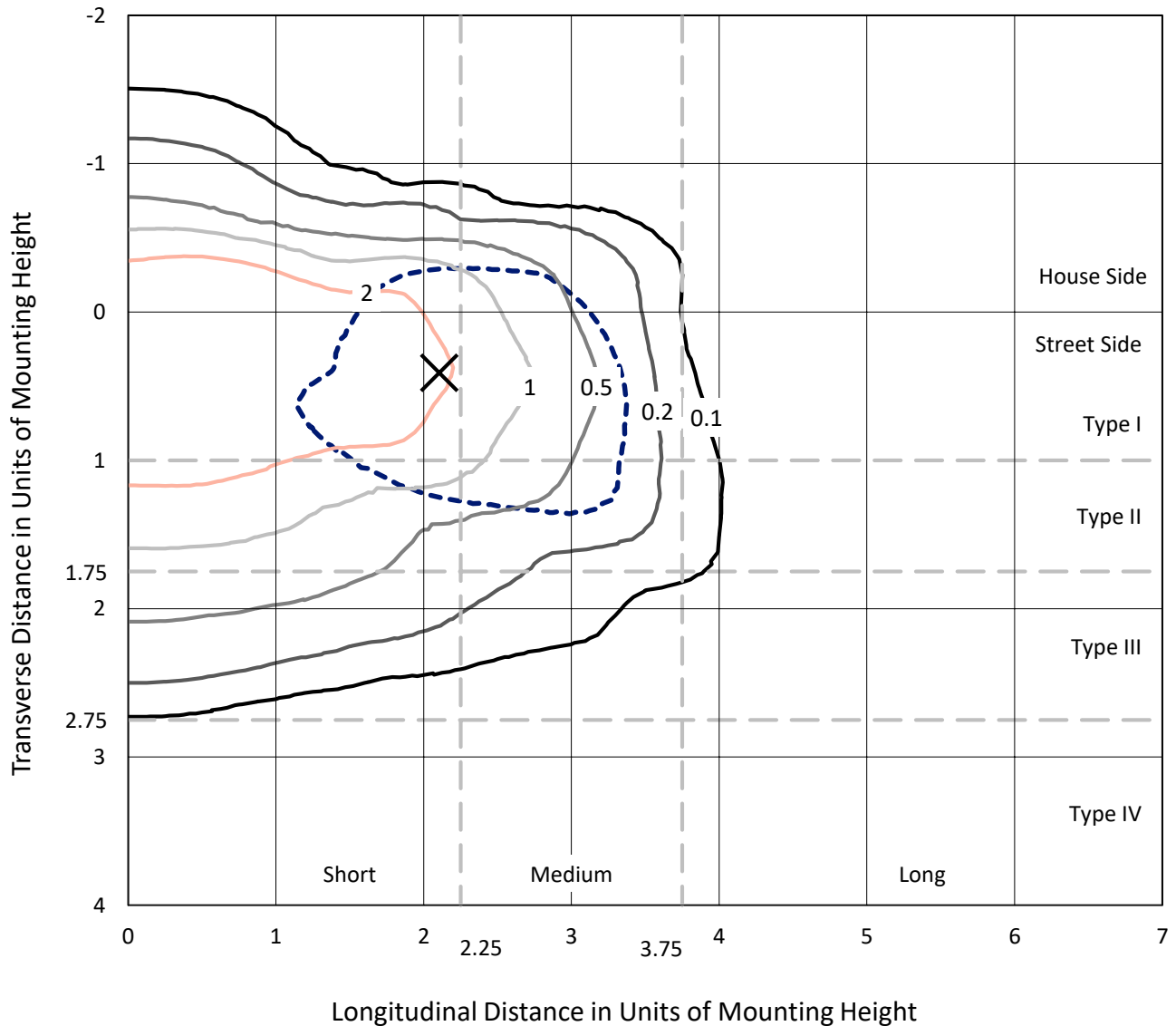
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

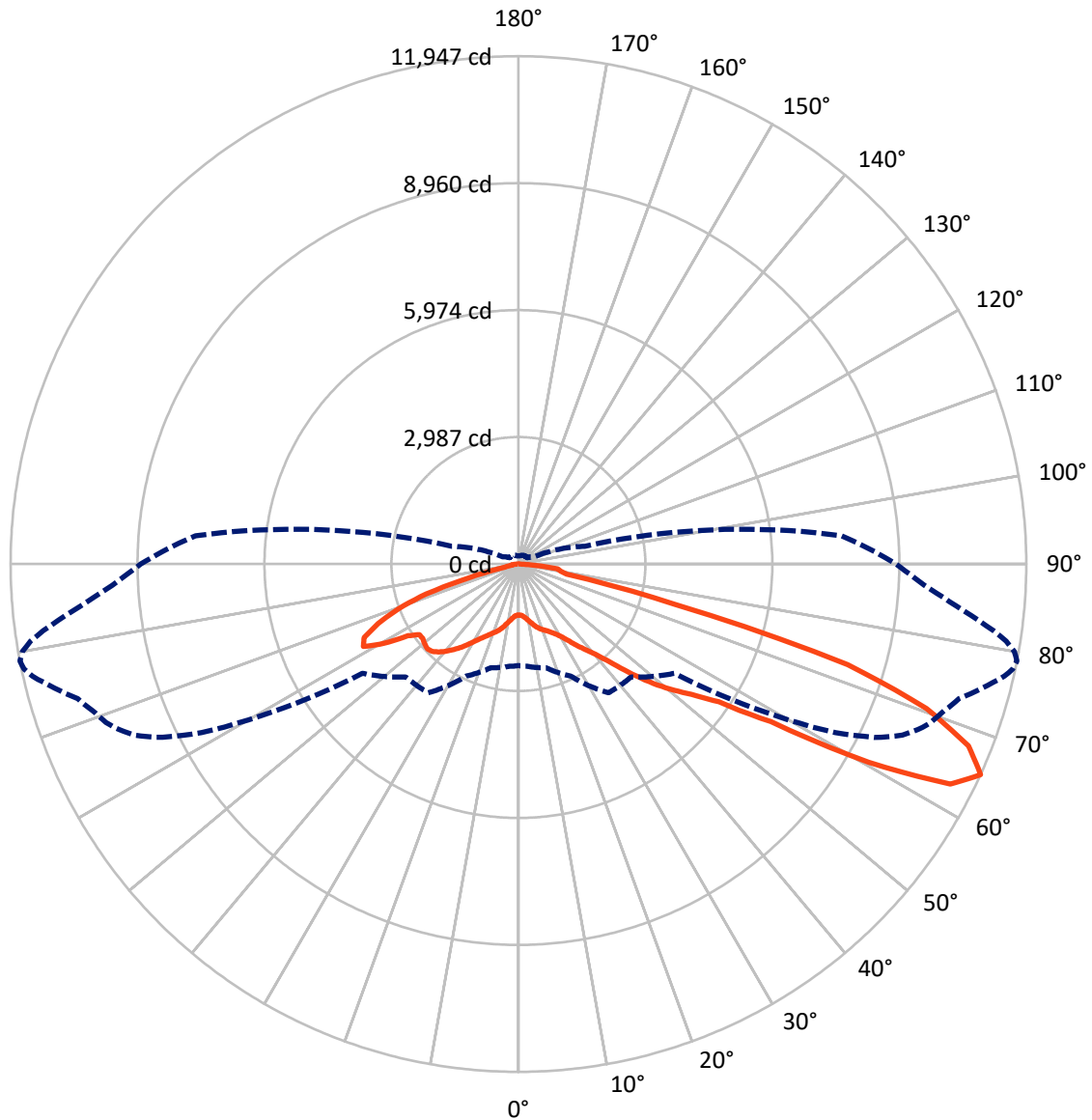
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2722.7	0.0	2722.7
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	8794.9	0.0	8794.9
	% Fixture	76.4	0.0	76.4
Total	Lumens	11517.6	0.0	11517.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	1.0
10°-20°	389.7	3.4
20°-30°	673.1	5.8
30°-40°	1114.1	9.7
40°-50°	1889.5	16.4
50°-60°	2510.5	21.8
60°-70°	3243.0	28.2
70°-80°	1360.1	11.8
80°-90°	218.5	1.9
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°	11517.6	100.0
0°-180°	11517.6	100.0



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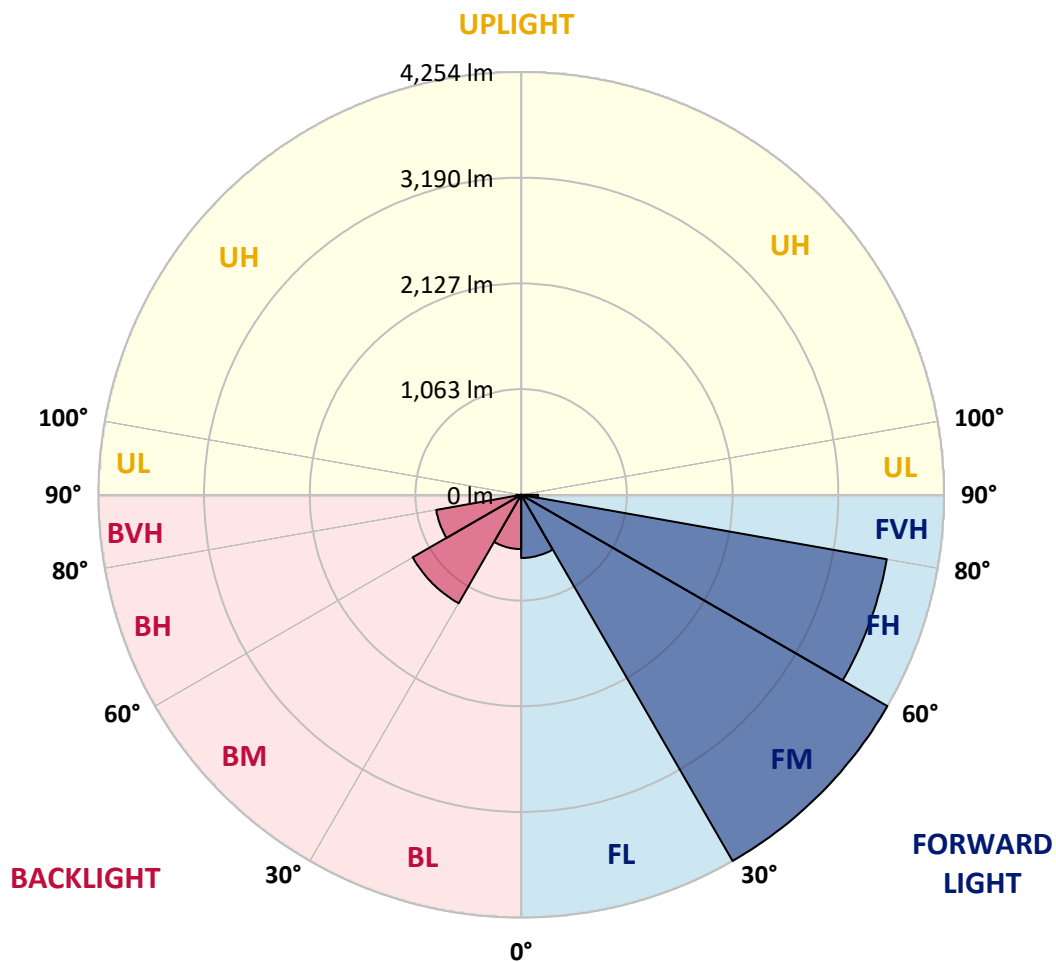
CATALOG NUMBER: VWM-F05-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.5	5.5			
FM (30°-60°)	4253.8	36.9			
FH (60°-80°)	3734.7	32.4			G2/5000
FVH (80°-90°)	170.8	1.5			G2/225
BL (0°-30°)	546.4	4.7	B2/1000		
BM (30°-60°)	1260.3	10.9	B2/2500		
BH (60°-80°)	868.4	7.5	B2/1000		G2/1000
BVH (80°-90°)	47.7	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1195.1	1198.8	1196.3	1198.8	1201.4	1202.6	1205.1	1203.9	1203.9	1205.1	1202.6
5°	1195.1	1195.1	1198.8	1205.1	1207.6	1215.2	1224.0	1222.7	1224.0	1222.7	1225.2
7.5°	1220.2	1219.0	1222.7	1230.3	1232.8	1244.1	1259.2	1261.7	1264.2	1264.2	1268.0
10°	1264.2	1262.9	1266.7	1270.5	1274.2	1283.0	1304.4	1313.2	1314.5	1315.7	1320.7
12.5°	1319.5	1318.2	1313.2	1313.2	1311.9	1328.3	1357.2	1373.5	1376.0	1381.1	1384.8
15°	1358.4	1354.7	1347.1	1342.1	1348.4	1374.8	1417.5	1436.4	1438.9	1442.6	1452.7
17.5°	1396.1	1392.4	1376.0	1363.5	1372.3	1415.0	1472.8	1492.9	1497.9	1501.7	1513.0
20°	1448.9	1446.4	1422.5	1392.4	1389.9	1445.2	1515.5	1541.9	1545.7	1550.7	1562.0
22.5°	1529.4	1518.0	1490.4	1433.8	1406.2	1462.7	1545.7	1582.1	1587.2	1592.2	1607.3
25°	1629.9	1624.9	1577.1	1490.4	1432.6	1480.3	1578.4	1623.6	1631.1	1637.4	1657.5
27.5°	1734.2	1726.6	1675.1	1562.0	1479.1	1515.5	1629.9	1681.4	1691.5	1701.5	1720.4
30°	1827.2	1824.7	1781.9	1658.8	1554.5	1582.1	1712.8	1775.7	1787.0	1799.5	1817.1
32.5°	2045.8	2047.1	2003.1	1877.4	1736.7	1702.8	1832.2	1926.5	1931.5	1946.6	1978.0
35°	2464.3	2469.3	2453.0	2353.7	2195.4	2055.9	2068.5	2161.4	2166.5	2179.0	2209.2
37.5°	2744.5	2754.6	2804.9	2836.3	2755.8	2691.8	2532.2	2495.7	2499.5	2491.9	2485.7
40°	2899.1	2914.2	3046.1	3209.5	3297.5	3298.7	3229.6	3068.8	3007.2	2989.6	2914.2
42.5°	2987.1	3012.2	3199.4	3478.4	3731.0	3904.4	3947.2	3768.7	3723.5	3643.0	3498.5
45°	3044.9	3075.0	3296.2	3678.2	4050.2	4345.5	4567.9	4488.8	4458.6	4409.6	4276.4
47.5°	3034.8	3058.7	3288.7	3746.1	4217.3	4637.1	5031.6	5113.3	5076.9	5064.3	4973.8
50°	2851.4	2872.7	3106.5	3577.7	4125.6	4747.6	5325.7	5556.9	5556.9	5580.8	5553.2
52.5°	2655.3	2672.9	2885.3	3308.8	3829.0	4639.6	5489.1	5872.4	5922.6	5964.1	6029.4
55°	2581.2	2602.5	2763.4	3125.3	3576.4	4330.4	5544.4	6108.6	6201.6	6272.0	6420.3
57.5°	2616.4	2637.7	2752.1	3026.0	3428.2	4015.0	5546.9	6426.5	6606.2	6750.8	7051.1
60°	2768.4	2788.5	2884.0	3117.8	3389.2	3832.8	5440.1	6933.0	7219.5	7490.9	7991.1
62.5°	2698.0	2723.2	2862.7	3269.8	3679.5	3694.6	5054.3	7325.0	7786.2	8187.1	8982.6
65°	2390.2	2416.5	2525.9	2906.6	3697.1	3754.9	4482.5	7332.6	7905.6	8447.2	9305.5
67.5°	1814.6	1824.7	1911.4	2216.7	2956.9	3821.5	3894.4	6464.2	7009.6	7614.1	8500.0
70°	927.4	945.0	970.1	1224.0	1903.8	3158.0	3346.5	4764.0	5458.9	6083.5	7147.9
72.5°	321.7	328.0	353.1	467.5	927.4	2072.2	2929.3	3264.8	3684.5	4268.9	5501.6
75°	193.5	193.5	202.3	236.3	423.5	1079.5	2606.3	2666.6	2723.2	2919.2	3726.0
77.5°	153.3	155.8	155.8	162.1	235.0	554.2	1979.2	2479.4	2486.9	2505.8	2641.5
80°	109.3	114.4	124.4	129.4	152.1	304.1	1110.9	2176.5	2324.8	2396.4	2495.7
82.5°	81.7	86.7	105.6	111.8	118.1	169.6	498.9	1501.7	1771.9	1915.1	2264.5
85°	36.4	42.7	71.6	79.2	82.9	90.5	233.7	427.3	491.4	551.7	727.6
87.5°	6.3	6.3	11.3	16.3	23.9	22.6	51.5	72.9	74.1	86.7	96.8
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-F05-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1202.6	1202.6	1202.6	1201.4	1202.6	1202.6	1202.6	1202.6	1203.9	1203.9	1203.9
5°	1229.0	1226.5	1227.8	1227.8	1227.8	1226.5	1229.0	1227.8	1229.0	1232.8	1231.5
7.5°	1268.0	1270.5	1271.7	1273.0	1273.0	1273.0	1274.2	1276.8	1276.8	1280.5	1279.3
10°	1325.8	1324.5	1325.8	1329.5	1333.3	1334.6	1338.3	1337.1	1339.6	1344.6	1349.6
12.5°	1387.3	1389.9	1393.6	1397.4	1403.7	1404.9	1408.7	1410.0	1417.5	1417.5	1422.5
15°	1456.5	1457.7	1465.3	1466.5	1474.1	1476.6	1482.9	1485.4	1494.2	1495.4	1500.4
17.5°	1519.3	1521.8	1525.6	1529.4	1538.1	1541.9	1546.9	1552.0	1559.5	1562.0	1570.8
20°	1569.6	1574.6	1575.8	1583.4	1590.9	1596.0	1601.0	1606.0	1613.5	1617.3	1626.1
22.5°	1614.8	1619.8	1623.6	1629.9	1634.9	1642.4	1645.0	1653.8	1661.3	1667.6	1675.1
25°	1663.8	1671.4	1675.1	1686.4	1690.2	1697.7	1704.0	1712.8	1722.9	1730.4	1740.5
27.5°	1732.9	1744.2	1749.3	1761.8	1770.6	1774.4	1784.5	1797.0	1805.8	1814.6	1824.7
30°	1828.4	1849.8	1853.6	1862.4	1878.7	1881.2	1893.8	1903.8	1917.7	1926.5	1935.2
32.5°	1976.7	2003.1	2005.6	2015.7	2029.5	2034.5	2044.6	2055.9	2077.3	2081.0	2094.8
35°	2204.2	2215.5	2225.5	2229.3	2240.6	2246.9	2254.4	2267.0	2288.4	2285.9	2300.9
37.5°	2476.9	2480.6	2481.9	2469.3	2471.8	2460.5	2474.4	2476.9	2484.4	2490.7	2505.8
40°	2866.4	2827.5	2822.4	2792.3	2762.1	2745.8	2739.5	2714.4	2720.7	2723.2	2735.7
42.5°	3435.7	3360.3	3297.5	3254.7	3180.6	3144.2	3095.1	3056.2	3026.0	3037.3	3042.4
45°	4157.0	4048.9	3948.4	3817.7	3721.0	3651.8	3565.1	3487.2	3452.0	3435.7	3455.8
47.5°	4877.1	4781.6	4663.4	4529.0	4375.7	4261.3	4116.8	3989.9	3901.9	3869.2	3886.8
50°	5499.1	5411.2	5321.9	5242.8	5064.3	4939.9	4742.6	4578.0	4439.8	4369.4	4350.5
52.5°	6015.6	5969.1	5921.4	5854.8	5711.5	5587.1	5430.0	5267.9	5084.4	4941.2	4892.2
55°	6476.8	6504.5	6480.6	6481.8	6425.3	6346.1	6212.9	6092.3	5964.1	5802.0	5734.1
57.5°	7149.1	7312.5	7345.2	7426.8	7467.0	7509.8	7547.5	7475.8	7443.2	7322.5	7323.8
60°	8208.5	8447.2	8654.6	8843.1	8997.7	9148.5	9306.8	9377.2	9455.1	9491.5	9615.9
62.5°	9335.7	9563.2	9872.3	10124.9	10266.9	10462.9	10635.1	10746.9	10883.9	11029.7	11219.4
65°	9614.7	9888.6	10083.4	10251.8	10392.5	10496.8	10591.1	10724.3	10838.7	11069.9	11293.6
67.5°	8899.6	9118.3	9296.7	9462.6	9571.9	9659.9	9744.1	9832.1	10028.1	10238.0	10462.9
70°	7639.2	7903.1	8198.4	8413.3	8467.3	8542.7	8623.2	8737.5	8835.5	9055.5	9226.4
72.5°	6137.5	6517.0	6767.1	7064.9	7129.0	7243.4	7288.6	7377.8	7395.4	7514.8	7560.0
75°	4277.7	4712.5	4963.8	5182.4	5225.2	5162.3	5187.5	4872.1	4791.6	4726.3	4673.5
77.5°	2823.7	2940.6	2980.8	2945.6	2777.2	2645.3	2504.5	2366.3	2381.4	2269.5	2073.5
80°	2510.8	2537.2	2500.7	2465.6	2368.8	2230.6	2103.6	1974.2	1910.1	1842.3	1741.7
82.5°	2442.9	2544.7	2556.0	2513.3	2436.7	2285.9	2132.5	1940.3	1776.9	1626.1	1472.8
85°	816.8	994.0	1073.2	1147.3	1169.9	1196.3	1105.9	982.7	834.4	735.1	575.5
87.5°	104.3	129.4	149.5	128.2	149.5	175.9	126.9	142.0	143.3	89.2	66.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1205.1	1203.9	1203.9	1203.9	1202.6	1203.9	1203.9	1203.9	1203.9	1203.9	1202.6
5°	1232.8	1232.8	1236.5	1237.8	1235.3	1234.0	1235.3	1236.5	1236.5	1235.3	1236.5
7.5°	1284.3	1285.6	1288.1	1291.8	1289.3	1290.6	1291.8	1290.6	1294.4	1295.6	1294.4
10°	1349.6	1352.2	1358.4	1359.7	1358.4	1363.5	1364.7	1362.2	1364.7	1364.7	1369.8
12.5°	1425.0	1427.6	1435.1	1437.6	1440.1	1441.4	1445.2	1446.4	1450.2	1452.7	1456.5
15°	1506.7	1509.2	1514.3	1523.1	1525.6	1528.1	1530.6	1538.1	1539.4	1544.4	1548.2
17.5°	1575.8	1579.6	1587.2	1593.4	1597.2	1603.5	1606.0	1614.8	1617.3	1624.9	1631.1
20°	1631.1	1637.4	1643.7	1651.2	1657.5	1665.1	1667.6	1676.4	1681.4	1685.2	1692.7
22.5°	1681.4	1688.9	1697.7	1706.5	1711.6	1721.6	1725.4	1729.2	1740.5	1745.5	1753.0
25°	1746.8	1754.3	1764.3	1775.7	1780.7	1793.2	1797.0	1803.3	1815.9	1820.9	1832.2
27.5°	1836.0	1846.0	1853.6	1864.9	1871.2	1880.0	1888.8	1896.3	1907.6	1915.1	1927.7
30°	1947.8	1955.4	1967.9	1976.7	1986.8	1999.3	2009.4	2016.9	2023.2	2034.5	2048.3
32.5°	2112.4	2113.7	2117.5	2138.8	2148.9	2158.9	2172.8	2179.0	2189.1	2200.4	2215.5
35°	2317.3	2328.6	2337.4	2347.4	2358.7	2370.1	2375.1	2393.9	2402.7	2417.8	2432.9
37.5°	2520.9	2522.1	2542.2	2548.5	2558.6	2569.9	2587.5	2606.3	2628.9	2644.0	2667.9
40°	2739.5	2749.6	2774.7	2787.3	2799.8	2827.5	2841.3	2871.5	2909.2	2930.5	2970.7
42.5°	3056.2	3071.3	3116.5	3136.6	3166.8	3212.0	3240.9	3282.4	3297.5	3349.0	3367.8
45°	3470.9	3517.4	3582.7	3625.5	3679.5	3728.5	3753.6	3772.5	3795.1	3835.3	3830.3
47.5°	3919.5	3979.8	4052.7	4140.7	4175.9	4233.7	4266.3	4302.8	4282.7	4272.6	4262.6
50°	4379.4	4449.8	4546.6	4625.7	4679.8	4715.0	4742.6	4737.6	4694.9	4672.2	4609.4
52.5°	4890.9	4932.4	5024.1	5092.0	5124.6	5132.2	5125.9	5088.2	5048.0	4976.4	4902.2
55°	5675.1	5656.2	5692.7	5724.1	5714.0	5749.2	5658.7	5623.5	5524.3	5431.3	5332.0
57.5°	7268.5	7293.6	7090.1	6998.3	6982.0	7014.7	6855.1	6835.0	6594.9	6564.8	6397.6
60°	9598.3	9721.5	9561.9	9472.7	9231.4	9152.2	8973.8	8899.6	8669.7	8483.7	8248.7
62.5°	11350.1	11462.0	11528.6	11401.6	11260.9	11053.5	10783.4	10484.3	10240.5	9955.2	9706.4
65°	11508.5	11734.7	11888.0	11947.0	11847.8	11620.3	11287.3	10910.3	10537.1	10178.9	9864.7
67.5°	10768.3	10970.6	11208.1	11420.5	11433.1	11284.8	11000.8	10617.5	10186.5	9744.1	9375.9
70°	9496.5	9750.4	9957.7	10181.4	10337.3	10251.8	10109.8	9757.9	9310.6	8966.2	8542.7
72.5°	7723.4	7830.2	7880.5	8100.4	8102.9	7947.1	7846.6	7651.8	7291.1	7047.3	6724.4
75°	4510.1	4275.1	4025.1	3807.7	3630.5	3556.3	3227.1	3171.8	2950.6	2813.7	2612.6
77.5°	1859.9	1650.0	1379.8	1154.9	932.4	831.9	686.1	622.0	539.1	502.7	478.8
80°	1594.7	1396.1	1192.6	997.8	824.4	650.9	506.4	393.3	309.1	262.6	243.8
82.5°	1301.9	1182.5	1040.5	935.0	799.2	669.8	565.5	438.6	328.0	241.3	184.7
85°	470.0	385.8	310.4	285.3	227.5	187.2	157.1	134.5	110.6	88.0	77.9
87.5°	52.8	50.3	28.9	27.6	31.4	22.6	26.4	23.9	20.1	17.6	18.8
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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CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1202.6	1202.6	1203.9	1203.9	1205.1	1206.4	1208.9	1207.6	1207.6	1208.9	1208.9
5°	1236.5	1240.3	1239.1	1239.1	1239.1	1240.3	1241.6	1236.5	1231.5	1226.5	1224.0
7.5°	1295.6	1298.1	1300.6	1298.1	1300.6	1299.4	1296.9	1283.0	1266.7	1246.6	1232.8
10°	1372.3	1372.3	1374.8	1373.5	1378.6	1374.8	1367.2	1335.8	1300.6	1257.9	1226.5
12.5°	1455.2	1464.0	1460.2	1461.5	1471.5	1461.5	1443.9	1397.4	1334.6	1265.5	1210.2
15°	1553.2	1557.0	1559.5	1555.7	1562.0	1553.2	1521.8	1447.7	1355.9	1259.2	1177.5
17.5°	1633.7	1634.9	1636.2	1638.7	1647.5	1637.4	1583.4	1482.9	1361.0	1230.3	1122.2
20°	1696.5	1702.8	1707.8	1707.8	1720.4	1705.3	1633.7	1500.4	1344.6	1182.5	1051.8
22.5°	1761.8	1766.9	1773.1	1774.4	1790.7	1775.7	1675.1	1496.7	1301.9	1114.7	970.1
25°	1842.3	1847.3	1852.3	1858.6	1881.2	1859.9	1716.6	1481.6	1242.8	1034.2	882.2
27.5°	1935.2	1946.6	1950.3	1960.4	1986.8	1954.1	1751.8	1459.0	1177.5	941.2	789.2
30°	2059.7	2073.5	2078.5	2092.3	2128.8	2057.1	1771.9	1420.0	1094.5	847.0	689.9
32.5°	2226.8	2245.6	2260.7	2275.8	2317.3	2160.2	1774.4	1363.5	997.8	741.4	594.4
35°	2445.5	2474.4	2485.7	2495.7	2534.7	2272.0	1763.1	1279.3	879.7	633.4	519.0
37.5°	2690.5	2719.4	2726.9	2732.0	2739.5	2367.5	1735.4	1151.1	746.5	539.1	458.7
40°	2992.1	3017.2	3027.3	3019.7	2979.5	2441.7	1673.9	1001.6	617.0	475.0	421.0
42.5°	3360.3	3398.0	3401.8	3367.8	3234.6	2483.2	1550.7	825.6	515.2	428.5	392.1
45°	3816.5	3814.0	3792.6	3768.7	3512.4	2466.8	1378.6	672.3	451.1	392.1	365.7
47.5°	4226.1	4183.4	4150.7	4080.4	3757.4	2371.3	1156.1	556.7	412.2	364.4	343.1
50°	4561.7	4483.7	4414.6	4338.0	3939.6	2201.7	935.0	472.5	375.7	340.6	321.7
52.5°	4826.8	4732.6	4652.1	4576.7	4115.5	2013.2	766.6	410.9	340.6	316.7	297.8
55°	5241.5	5147.3	5019.1	4936.1	4384.5	1839.7	657.2	361.9	306.6	291.5	272.7
57.5°	6290.8	6207.9	6054.6	5839.7	5075.6	1774.4	595.7	324.2	279.0	270.2	255.1
60°	8123.0	7988.6	7788.8	7570.1	6480.6	1818.4	546.6	297.8	260.1	252.6	241.3
62.5°	9505.3	9269.1	9042.9	8840.6	7604.0	1817.1	482.6	277.7	246.3	242.5	231.2
65°	9561.9	9321.9	9094.4	8882.0	7629.2	1617.3	407.2	260.1	243.8	242.5	223.7
67.5°	9054.2	8794.1	8574.2	8306.5	7062.4	1264.2	326.7	248.8	253.8	251.3	221.2
70°	8224.8	7885.5	7704.6	7440.7	6215.4	884.7	268.9	252.6	275.2	267.7	224.9
72.5°	6455.4	6199.1	5923.9	5740.4	4865.8	559.2	226.2	255.1	284.0	271.4	235.0
75°	2402.7	2471.8	2358.7	2318.5	2471.8	328.0	201.1	237.5	253.8	235.0	213.6
77.5°	485.1	463.7	439.8	434.8	561.7	202.3	184.7	206.1	194.8	172.2	173.4
80°	232.5	226.2	218.7	217.4	208.6	168.4	170.9	175.9	147.0	133.2	142.0
82.5°	154.6	145.8	143.3	138.2	140.7	150.8	162.1	150.8	113.1	105.6	128.2
85°	71.6	69.1	67.9	67.9	75.4	135.7	134.5	110.6	77.9	75.4	128.2
87.5°	17.6	17.6	18.8	17.6	20.1	40.2	35.2	33.9	28.9	32.7	60.3
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):

	165°	175°	180°
0°	1198.8	1198.8	1198.8
2.5°	1207.6	1208.9	1207.6
5°	1219.0	1219.0	1219.0
7.5°	1219.0	1215.2	1213.9
10°	1201.4	1190.1	1190.1
12.5°	1171.2	1152.4	1149.8
15°	1114.7	1089.5	1085.8
17.5°	1043.0	1009.1	1002.8
20°	962.6	919.9	912.3
22.5°	874.6	825.6	821.9
25°	787.9	737.7	727.6
27.5°	691.2	642.2	637.1
30°	594.4	551.7	549.2
32.5°	512.7	486.3	481.3
35°	454.9	439.8	433.5
37.5°	417.2	405.9	404.6
40°	388.3	378.3	377.0
42.5°	364.4	355.6	354.4
45°	340.6	333.0	330.5
47.5°	316.7	309.1	307.9
50°	295.3	285.3	284.0
52.5°	275.2	265.2	262.6
55°	256.4	246.3	246.3
57.5°	240.0	230.0	228.7
60°	224.9	214.9	213.6
62.5°	213.6	201.1	199.8
65°	204.8	192.3	189.8
67.5°	199.8	184.7	181.0
70°	208.6	181.0	174.7
72.5°	209.9	177.2	168.4
75°	202.3	167.1	160.9
77.5°	177.2	149.5	143.3
80°	153.3	115.6	106.8
82.5°	145.8	94.2	81.7
85°	113.1	61.6	57.8
87.5°	64.1	33.9	27.6
90°	0.0	0.0	0.0

(END OF REPORT)