

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: P149963

Luminaire Tested: **VWM-F05-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149963
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-SL2-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10643 lumens
Efficiency: N/A
Efficacy: 79.8 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

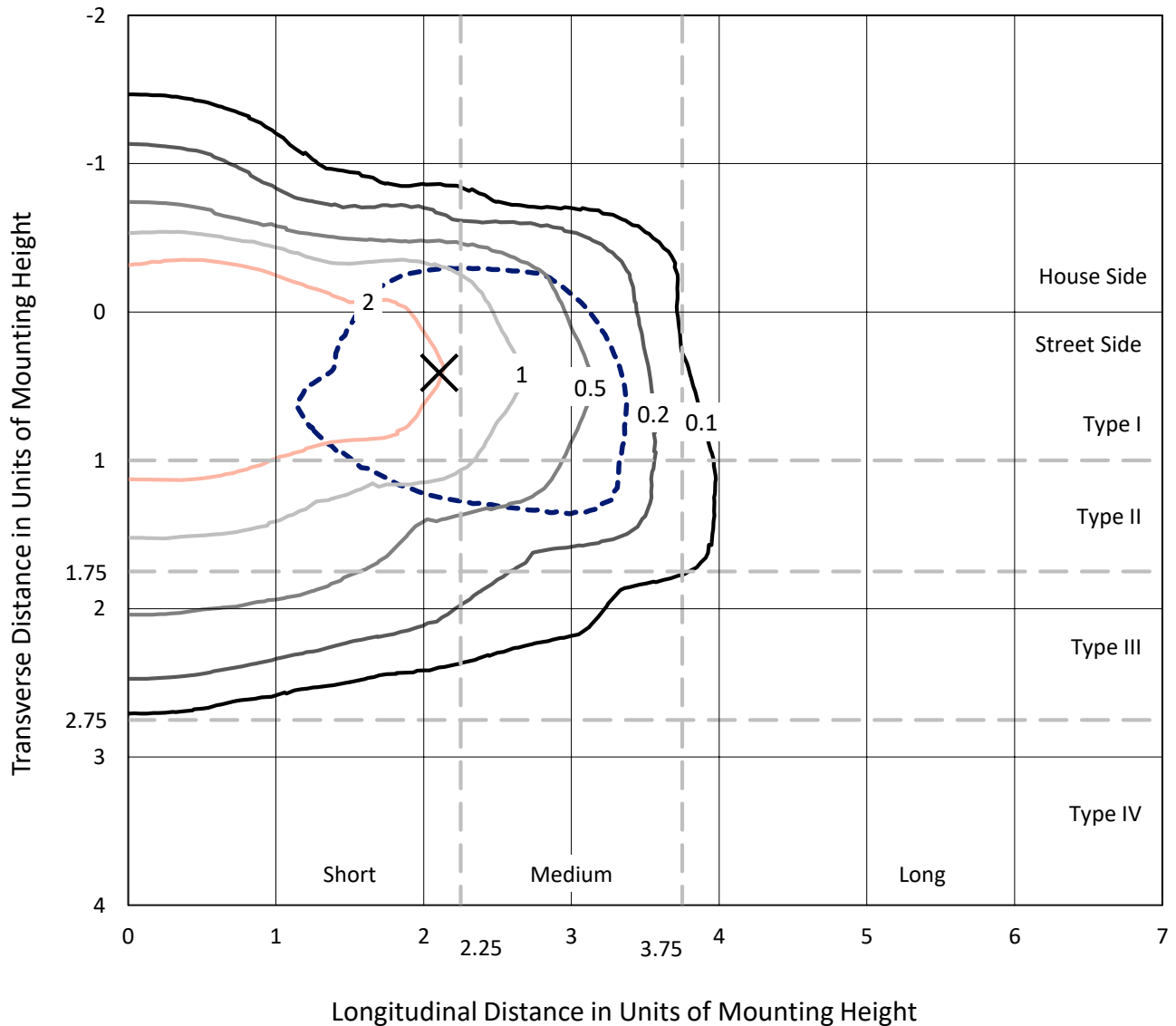
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

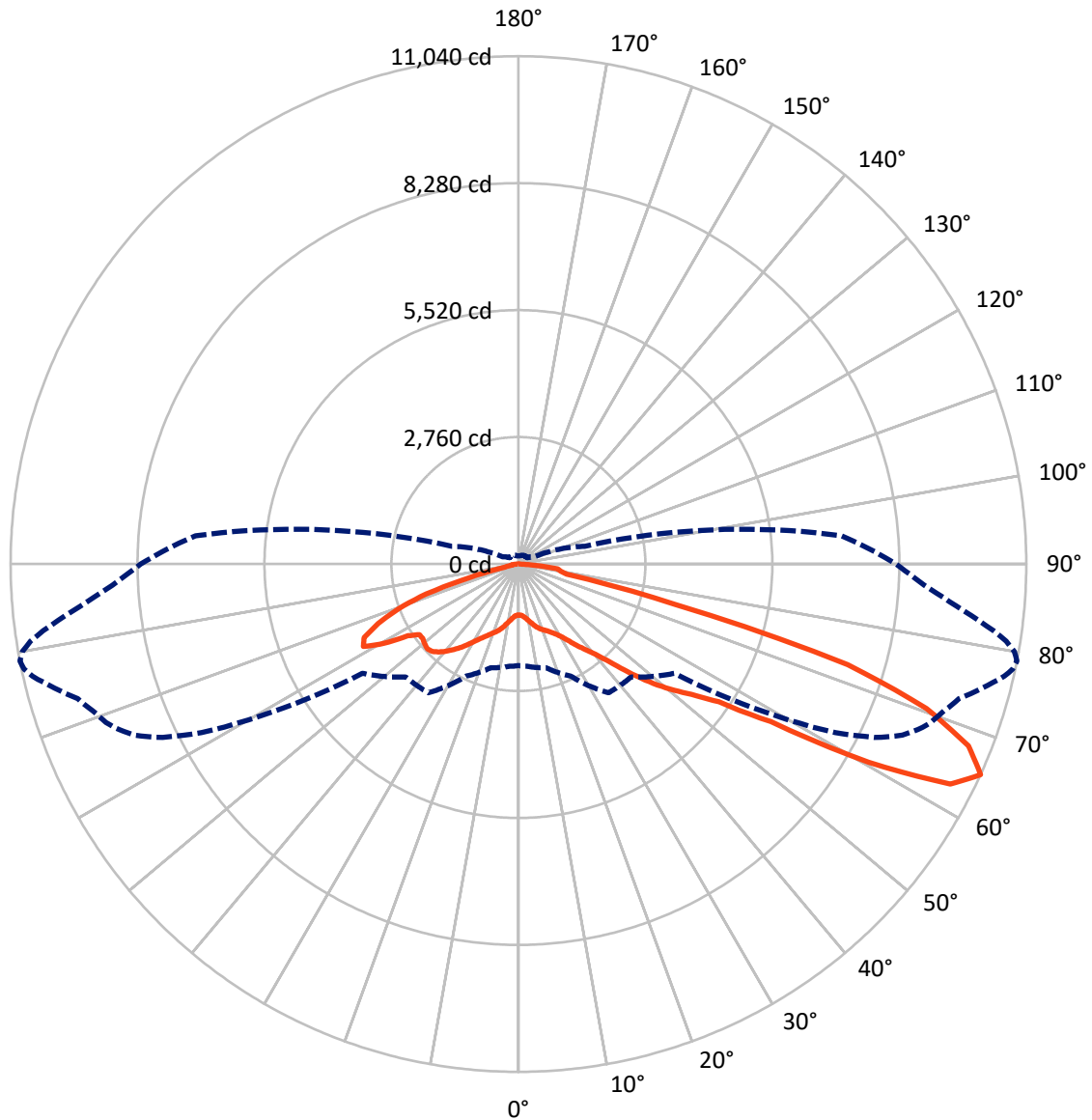
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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	2516.0	0.0	2516.0
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	8127.0	0.0	8127.0
	% Fixture	76.4	0.0	76.4
Total	Lumens	10643.0	0.0	10643.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	1.0
10°-20°	360.1	3.4
20°-30°	621.9	5.8
30°-40°	1029.5	9.7
40°-50°	1746.0	16.4
50°-60°	2319.9	21.8
60°-70°	2996.7	28.2
70°-80°	1256.8	11.8
80°-90°	201.9	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°	10643.0	100.0
0°-180°	10643.0	100.0



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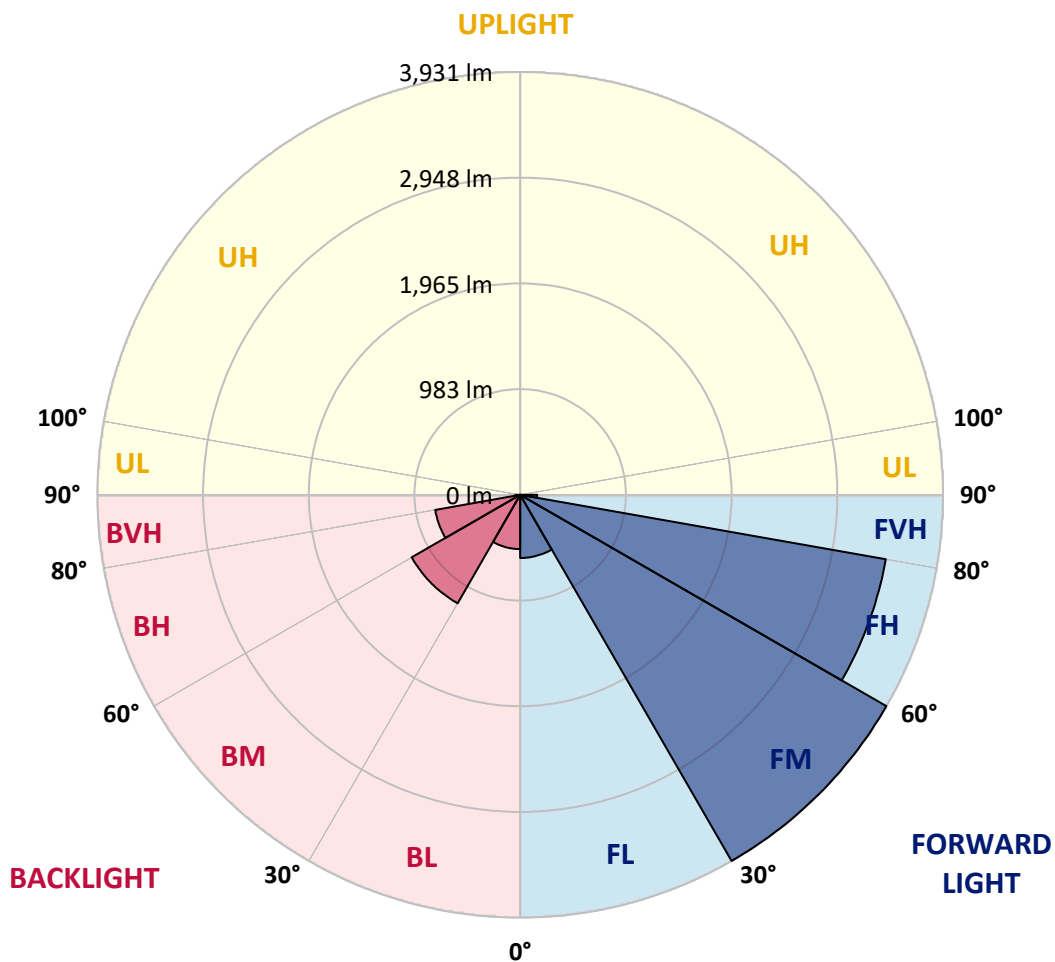
CATALOG NUMBER: VWM-F05-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.2	5.5			
FM	(30°-60°)	3930.8	36.9			
FH	(60°-80°)	3451.1	32.4			G2/5000
FVH	(80°-90°)	157.9	1.5			G2/225
BL	(0°-30°)	504.9	4.7	B2/1000		
BM	(30°-60°)	1164.6	10.9	B2/2500		
BH	(60°-80°)	802.4	7.5	B2/1000		G2/1000
BVH	(80°-90°)	44.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8
2.5°	1104.3	1107.8	1105.5	1107.8	1110.1	1111.3	1113.6	1112.5	1112.5	1113.6	1111.3
5°	1104.3	1104.3	1107.8	1113.6	1115.9	1122.9	1131.0	1129.9	1131.0	1129.9	1132.2
7.5°	1127.6	1126.4	1129.9	1136.8	1139.2	1149.6	1163.5	1165.9	1168.2	1168.2	1171.7
10°	1168.2	1167.0	1170.5	1174.0	1177.5	1185.6	1205.4	1213.5	1214.6	1215.8	1220.4
12.5°	1219.3	1218.1	1213.5	1213.5	1212.3	1227.4	1254.1	1269.2	1271.5	1276.2	1279.7
15°	1255.3	1251.8	1244.8	1240.2	1246.0	1270.4	1309.9	1327.3	1329.6	1333.1	1342.4
17.5°	1290.1	1286.6	1271.5	1259.9	1268.1	1307.5	1361.0	1379.5	1384.2	1387.7	1398.1
20°	1338.9	1336.6	1314.5	1286.6	1284.3	1335.4	1400.4	1424.8	1428.3	1433.0	1443.4
22.5°	1413.2	1402.8	1377.2	1325.0	1299.4	1351.7	1428.3	1462.0	1466.6	1471.3	1485.2
25°	1506.1	1501.5	1457.3	1377.2	1323.8	1367.9	1458.5	1500.3	1507.3	1513.1	1531.7
27.5°	1602.5	1595.5	1547.9	1443.4	1366.8	1400.4	1506.1	1553.7	1563.0	1572.3	1589.7
30°	1688.4	1686.1	1646.6	1532.8	1436.4	1462.0	1582.8	1640.8	1651.3	1662.9	1679.1
32.5°	1890.5	1891.6	1851.0	1734.9	1604.8	1573.5	1693.1	1780.2	1784.8	1798.7	1827.8
35°	2277.2	2281.8	2266.7	2175.0	2028.7	1899.8	1911.4	1997.3	2002.0	2013.6	2041.4
37.5°	2536.1	2545.4	2591.9	2620.9	2546.6	2487.3	2339.9	2306.2	2309.7	2302.7	2296.9
40°	2678.9	2692.9	2814.8	2965.8	3047.1	3048.2	2984.4	2835.7	2778.8	2762.6	2692.9
42.5°	2760.2	2783.5	2956.5	3214.3	3447.7	3607.9	3647.4	3482.5	3440.7	3366.4	3232.9
45°	2813.7	2841.5	3045.9	3398.9	3742.6	4015.5	4221.1	4147.9	4120.0	4074.7	3951.7
47.5°	2804.4	2826.4	3038.9	3461.6	3897.1	4284.9	4649.5	4725.0	4691.4	4679.7	4596.1
50°	2634.8	2654.6	2870.6	3306.0	3812.3	4387.1	4921.3	5134.9	5134.9	5157.0	5131.5
52.5°	2453.7	2469.9	2666.2	3057.5	3538.3	4287.2	5072.2	5426.4	5472.9	5511.2	5571.6
55°	2385.2	2404.9	2553.5	2888.0	3304.8	4001.6	5123.3	5644.7	5730.6	5795.7	5932.7
57.5°	2417.7	2437.4	2543.1	2796.2	3167.8	3710.1	5125.7	5938.5	6104.6	6238.1	6515.6
60°	2558.2	2576.8	2665.0	2881.0	3131.8	3541.7	5026.9	6406.5	6671.2	6922.1	7384.2
62.5°	2493.2	2516.4	2645.3	3021.5	3400.1	3414.0	4670.5	6768.8	7195.0	7565.4	8300.4
65°	2208.7	2233.0	2334.1	2685.9	3416.3	3469.7	4142.1	6775.8	7305.3	7805.8	8598.9
67.5°	1676.8	1686.1	1766.2	2048.4	2732.4	3531.3	3598.6	5973.3	6477.3	7035.9	7854.5
70°	857.0	873.2	896.5	1131.0	1759.3	2918.2	3092.3	4402.2	5044.4	5621.5	6605.1
72.5°	297.3	303.1	326.3	432.0	857.0	1914.9	2706.8	3016.9	3404.7	3944.7	5083.8
75°	178.8	178.8	187.0	218.3	391.3	997.5	2408.4	2464.1	2516.4	2697.5	3443.0
77.5°	141.7	144.0	144.0	149.8	217.1	512.1	1828.9	2291.1	2298.1	2315.5	2440.9
80°	101.0	105.7	115.0	119.6	140.5	281.0	1026.5	2011.2	2148.3	2214.5	2306.2
82.5°	75.5	80.1	97.5	103.3	109.2	156.8	461.0	1387.7	1637.3	1769.7	2092.5
85°	33.7	39.5	66.2	73.2	76.6	83.6	216.0	394.8	454.0	509.8	672.3
87.5°	5.8	5.8	10.5	15.1	22.1	20.9	47.6	67.4	68.5	80.1	89.4
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8
2.5°	1111.3	1111.3	1111.3	1110.1	1111.3	1111.3	1111.3	1111.3	1112.5	1112.5	1112.5
5°	1135.7	1133.4	1134.5	1134.5	1134.5	1133.4	1135.7	1134.5	1135.7	1139.2	1138.0
7.5°	1171.7	1174.0	1175.2	1176.3	1176.3	1176.3	1177.5	1179.8	1179.8	1183.3	1182.1
10°	1225.1	1223.9	1225.1	1228.6	1232.1	1233.2	1236.7	1235.5	1237.9	1242.5	1247.2
12.5°	1282.0	1284.3	1287.8	1291.3	1297.1	1298.3	1301.7	1302.9	1309.9	1309.9	1314.5
15°	1345.9	1347.0	1354.0	1355.2	1362.1	1364.4	1370.2	1372.6	1380.7	1381.9	1386.5
17.5°	1403.9	1406.2	1409.7	1413.2	1421.3	1424.8	1429.5	1434.1	1441.1	1443.4	1451.5
20°	1450.4	1455.0	1456.2	1463.1	1470.1	1474.8	1479.4	1484.0	1491.0	1494.5	1502.6
22.5°	1492.2	1496.8	1500.3	1506.1	1510.8	1517.7	1520.0	1528.2	1535.1	1540.9	1547.9
25°	1537.5	1544.4	1547.9	1558.4	1561.8	1568.8	1574.6	1582.8	1592.0	1599.0	1608.3
27.5°	1601.3	1611.8	1616.4	1628.0	1636.2	1639.7	1648.9	1660.6	1668.7	1676.8	1686.1
30°	1689.6	1709.3	1712.8	1720.9	1736.0	1738.4	1750.0	1759.3	1772.0	1780.2	1788.3
32.5°	1826.6	1851.0	1853.3	1862.6	1875.4	1880.0	1889.3	1899.8	1919.5	1923.0	1935.8
35°	2036.8	2047.2	2056.5	2060.0	2070.5	2076.3	2083.2	2094.9	2114.6	2112.3	2126.2
37.5°	2288.8	2292.3	2293.4	2281.8	2284.1	2273.7	2286.5	2288.8	2295.7	2301.5	2315.5
40°	2648.8	2612.8	2608.1	2580.2	2552.4	2537.3	2531.5	2508.2	2514.1	2516.4	2528.0
42.5°	3174.8	3105.1	3047.1	3007.6	2939.1	2905.4	2860.1	2824.1	2796.2	2806.7	2811.3
45°	3841.3	3741.5	3648.6	3527.8	3438.4	3374.5	3294.4	3222.4	3189.9	3174.8	3193.4
47.5°	4506.7	4418.5	4309.3	4185.1	4043.4	3937.7	3804.2	3686.9	3605.6	3575.4	3591.7
50°	5081.5	5000.2	4917.8	4844.6	4679.7	4564.8	4382.5	4230.3	4102.6	4037.6	4020.2
52.5°	5558.8	5515.8	5471.7	5410.2	5277.8	5162.8	5017.7	4867.9	4698.3	4565.9	4520.7
55°	5985.0	6010.5	5988.4	5989.6	5937.3	5864.2	5741.1	5629.6	5511.2	5361.4	5298.7
57.5°	6606.2	6757.2	6787.4	6862.8	6900.0	6939.5	6974.3	6908.1	6877.9	6766.5	6767.6
60°	7585.1	7805.8	7997.4	8171.5	8314.4	8453.7	8600.0	8665.1	8737.1	8770.7	8885.7
62.5°	8626.7	8836.9	9122.6	9356.0	9487.2	9668.4	9827.5	9930.8	10057.4	10192.1	10367.4
65°	8884.5	9137.7	9317.7	9473.3	9603.3	9699.7	9786.8	9909.9	10015.6	10229.2	10435.9
67.5°	8223.8	8425.9	8590.7	8744.0	8845.1	8926.3	9004.1	9085.4	9266.6	9460.5	9668.4
70°	7059.1	7302.9	7575.8	7774.4	7824.3	7894.0	7968.3	8074.0	8164.6	8367.8	8525.7
72.5°	5671.4	6022.1	6253.2	6528.4	6587.6	6693.3	6735.1	6817.6	6833.8	6944.1	6985.9
75°	3952.8	4354.6	4586.8	4788.9	4828.4	4770.3	4793.5	4502.1	4427.8	4367.4	4318.6
77.5°	2609.3	2717.3	2754.4	2721.9	2566.3	2444.4	2314.3	2186.6	2200.5	2097.2	1916.0
80°	2320.1	2344.5	2310.8	2278.3	2188.9	2061.2	1943.9	1824.3	1765.1	1702.4	1609.5
82.5°	2257.4	2351.5	2361.9	2322.5	2251.6	2112.3	1970.6	1792.9	1642.0	1502.6	1361.0
85°	754.8	918.5	991.7	1060.2	1081.1	1105.5	1021.9	908.1	771.1	679.3	531.8
87.5°	96.4	119.6	138.2	118.4	138.2	162.6	117.3	131.2	132.4	82.4	61.5
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°	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8
2.5°	1113.6	1112.5	1112.5	1112.5	1111.3	1112.5	1112.5	1112.5	1112.5	1112.5	1111.3
5°	1139.2	1139.2	1142.6	1143.8	1141.5	1140.3	1141.5	1142.6	1142.6	1141.5	1142.6
7.5°	1186.8	1187.9	1190.3	1193.7	1191.4	1192.6	1193.7	1192.6	1196.1	1197.2	1196.1
10°	1247.2	1249.5	1255.3	1256.4	1255.3	1259.9	1261.1	1258.8	1261.1	1261.1	1265.7
12.5°	1316.8	1319.2	1326.1	1328.4	1330.8	1331.9	1335.4	1336.6	1340.1	1342.4	1345.9
15°	1392.3	1394.6	1399.3	1407.4	1409.7	1412.1	1414.4	1421.3	1422.5	1427.1	1430.6
17.5°	1456.2	1459.7	1466.6	1472.4	1475.9	1481.7	1484.0	1492.2	1494.5	1501.5	1507.3
20°	1507.3	1513.1	1518.9	1525.9	1531.7	1538.6	1540.9	1549.1	1553.7	1557.2	1564.2
22.5°	1553.7	1560.7	1568.8	1576.9	1581.6	1590.9	1594.4	1597.8	1608.3	1612.9	1619.9
25°	1614.1	1621.1	1630.4	1640.8	1645.5	1657.1	1660.6	1666.4	1678.0	1682.6	1693.1
27.5°	1696.6	1705.8	1712.8	1723.3	1729.1	1737.2	1745.3	1752.3	1762.7	1769.7	1781.3
30°	1799.9	1806.9	1818.5	1826.6	1835.9	1847.5	1856.8	1863.8	1869.6	1880.0	1892.8
32.5°	1952.0	1953.2	1956.7	1976.4	1985.7	1995.0	2007.8	2013.6	2022.9	2033.3	2047.2
35°	2141.3	2151.8	2159.9	2169.2	2179.6	2190.1	2194.7	2212.1	2220.3	2234.2	2248.1
37.5°	2329.4	2330.6	2349.2	2355.0	2364.3	2374.7	2391.0	2408.4	2429.3	2443.2	2465.3
40°	2531.5	2540.8	2564.0	2575.6	2587.2	2612.8	2625.5	2653.4	2688.2	2708.0	2745.1
42.5°	2824.1	2838.0	2879.8	2898.4	2926.3	2968.1	2994.8	3033.1	3047.1	3094.7	3112.1
45°	3207.3	3250.3	3310.7	3350.1	3400.1	3445.4	3468.6	3486.0	3506.9	3544.1	3539.4
47.5°	3621.9	3677.6	3745.0	3826.2	3858.8	3912.2	3942.4	3976.0	3957.5	3948.2	3938.9
50°	4046.9	4111.9	4201.3	4274.5	4324.4	4356.9	4382.5	4377.8	4338.3	4317.4	4259.4
52.5°	4519.5	4557.8	4642.6	4705.3	4735.5	4742.4	4736.6	4701.8	4664.6	4598.5	4529.9
55°	5244.1	5226.7	5260.4	5289.4	5280.1	5312.6	5229.0	5196.5	5104.7	5018.8	4927.1
57.5°	6716.5	6739.8	6551.6	6466.9	6451.8	6482.0	6334.5	6315.9	6094.1	6066.2	5911.8
60°	8869.4	8983.2	8835.8	8753.3	8530.4	8457.2	8292.3	8223.8	8011.3	7839.4	7622.3
62.5°	10488.2	10591.5	10653.1	10535.8	10405.7	10214.1	9964.5	9688.1	9462.8	9199.2	8969.3
65°	10634.5	10843.5	10985.2	11039.8	10948.0	10737.9	10430.1	10081.8	9736.9	9405.9	9115.6
67.5°	9950.5	10137.5	10357.0	10553.2	10564.8	10427.8	10165.4	9811.2	9412.9	9004.1	8663.9
70°	8775.4	9010.0	9201.6	9408.3	9552.2	9473.3	9342.1	9016.9	8603.5	8285.3	7894.0
72.5°	7136.9	7235.6	7282.0	7485.3	7487.6	7343.6	7250.7	7070.7	6737.4	6512.2	6213.7
75°	4167.6	3950.5	3719.4	3518.5	3354.8	3286.3	2982.0	2930.9	2726.6	2600.0	2414.2
77.5°	1718.6	1524.7	1275.0	1067.2	861.6	768.7	634.0	574.8	498.2	464.5	442.4
80°	1473.6	1290.1	1102.0	922.0	761.8	601.5	468.0	363.5	285.7	242.7	225.3
82.5°	1203.0	1092.7	961.5	864.0	738.5	618.9	522.6	405.3	303.1	223.0	170.7
85°	434.3	356.5	286.8	263.6	210.2	173.0	145.2	124.3	102.2	81.3	72.0
87.5°	48.8	46.4	26.7	25.5	29.0	20.9	24.4	22.1	18.6	16.3	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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8	1107.8
2.5°	1111.3	1111.3	1112.5	1112.5	1113.6	1114.8	1117.1	1115.9	1115.9	1117.1	1117.1
5°	1142.6	1146.1	1145.0	1145.0	1145.0	1146.1	1147.3	1142.6	1138.0	1133.4	1131.0
7.5°	1197.2	1199.5	1201.9	1199.5	1201.9	1200.7	1198.4	1185.6	1170.5	1151.9	1139.2
10°	1268.1	1268.1	1270.4	1269.2	1273.9	1270.4	1263.4	1234.4	1201.9	1162.4	1133.4
12.5°	1344.7	1352.8	1349.3	1350.5	1359.8	1350.5	1334.2	1291.3	1233.2	1169.4	1118.3
15°	1435.3	1438.8	1441.1	1437.6	1443.4	1435.3	1406.2	1337.7	1253.0	1163.5	1088.1
17.5°	1509.6	1510.8	1511.9	1514.2	1522.4	1513.1	1463.1	1370.2	1257.6	1136.8	1037.0
20°	1567.7	1573.5	1578.1	1578.1	1589.7	1575.8	1509.6	1386.5	1242.5	1092.7	971.9
22.5°	1628.0	1632.7	1638.5	1639.7	1654.7	1640.8	1547.9	1383.0	1203.0	1030.0	896.5
25°	1702.4	1707.0	1711.6	1717.5	1738.4	1718.6	1586.2	1369.1	1148.5	955.7	815.2
27.5°	1788.3	1798.7	1802.2	1811.5	1835.9	1805.7	1618.7	1348.2	1088.1	869.8	729.2
30°	1903.2	1916.0	1920.7	1933.4	1967.1	1900.9	1637.3	1312.2	1011.4	782.7	637.5
32.5°	2057.7	2075.1	2089.0	2103.0	2141.3	1996.1	1639.7	1259.9	922.0	685.1	549.3
35°	2259.7	2286.5	2296.9	2306.2	2342.2	2099.5	1629.2	1182.1	812.9	585.3	479.6
37.5°	2486.2	2512.9	2519.9	2524.5	2531.5	2187.7	1603.7	1063.7	689.8	498.2	423.8
40°	2764.9	2788.1	2797.4	2790.4	2753.3	2256.3	1546.8	925.5	570.2	438.9	389.0
42.5°	3105.1	3140.0	3143.4	3112.1	2989.0	2294.6	1433.0	762.9	476.1	396.0	362.3
45°	3526.6	3524.3	3504.6	3482.5	3245.6	2279.5	1273.9	621.3	416.9	362.3	337.9
47.5°	3905.2	3865.7	3835.5	3770.5	3472.1	2191.2	1068.3	514.4	380.9	336.8	317.0
50°	4215.3	4143.3	4079.4	4008.6	3640.4	2034.5	864.0	436.6	347.2	314.7	297.3
52.5°	4460.3	4373.2	4298.9	4229.2	3803.0	1860.3	708.3	379.7	314.7	292.6	275.2
55°	4843.5	4756.4	4637.9	4561.3	4051.5	1700.0	607.3	334.4	283.3	269.4	252.0
57.5°	5813.1	5736.5	5594.8	5396.2	4690.2	1639.7	550.4	299.6	257.8	249.7	235.7
60°	7506.2	7381.9	7197.3	6995.2	5988.4	1680.3	505.1	275.2	240.4	233.4	223.0
62.5°	8783.5	8565.2	8356.2	8169.2	7026.6	1679.1	445.9	256.6	227.6	224.1	213.7
65°	8835.8	8614.0	8403.8	8207.5	7049.8	1494.5	376.2	240.4	225.3	224.1	206.7
67.5°	8366.6	8126.3	7923.0	7675.7	6526.1	1168.2	301.9	229.9	234.6	232.2	204.4
70°	7600.2	7286.7	7119.5	6875.6	5743.4	817.5	248.5	233.4	254.3	247.3	207.9
72.5°	5965.2	5728.3	5474.0	5304.5	4496.3	516.7	209.0	235.7	262.4	250.8	217.1
75°	2220.3	2284.1	2179.6	2142.5	2284.1	303.1	185.8	219.5	234.6	217.1	197.4
77.5°	448.2	428.5	406.4	401.8	519.1	187.0	170.7	190.4	180.0	159.1	160.2
80°	214.8	209.0	202.1	200.9	192.8	155.6	157.9	162.6	135.9	123.1	131.2
82.5°	142.8	134.7	132.4	127.7	130.1	139.3	149.8	139.3	104.5	97.5	118.4
85°	66.2	63.9	62.7	62.7	69.7	125.4	124.3	102.2	72.0	69.7	118.4
87.5°	16.3	16.3	17.4	16.3	18.6	37.2	32.5	31.4	26.7	30.2	55.7
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°	1107.8	1107.8	1107.8
2.5°	1115.9	1117.1	1115.9
5°	1126.4	1126.4	1126.4
7.5°	1126.4	1122.9	1121.7
10°	1110.1	1099.7	1099.7
12.5°	1082.3	1064.8	1062.5
15°	1030.0	1006.8	1003.3
17.5°	963.8	932.5	926.7
20°	889.5	850.0	843.1
22.5°	808.2	762.9	759.4
25°	728.1	681.6	672.3
27.5°	638.7	593.4	588.7
30°	549.3	509.8	507.5
32.5°	473.8	449.4	444.7
35°	420.4	406.4	400.6
37.5°	385.5	375.1	373.9
40°	358.8	349.5	348.4
42.5°	336.8	328.6	327.5
45°	314.7	307.7	305.4
47.5°	292.6	285.7	284.5
50°	272.9	263.6	262.4
52.5°	254.3	245.0	242.7
55°	236.9	227.6	227.6
57.5°	221.8	212.5	211.3
60°	207.9	198.6	197.4
62.5°	197.4	185.8	184.6
65°	189.3	177.7	175.3
67.5°	184.6	170.7	167.2
70°	192.8	167.2	161.4
72.5°	193.9	163.7	155.6
75°	187.0	154.4	148.6
77.5°	163.7	138.2	132.4
80°	141.7	106.8	98.7
82.5°	134.7	87.1	75.5
85°	104.5	56.9	53.4
87.5°	59.2	31.4	25.5
90°	0.0	0.0	0.0

(END OF REPORT)