

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: P151079

Luminaire Tested: **VWM-E03-LED-E1-SL3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151079
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-E03-LED-E1-SL3-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8319.2 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

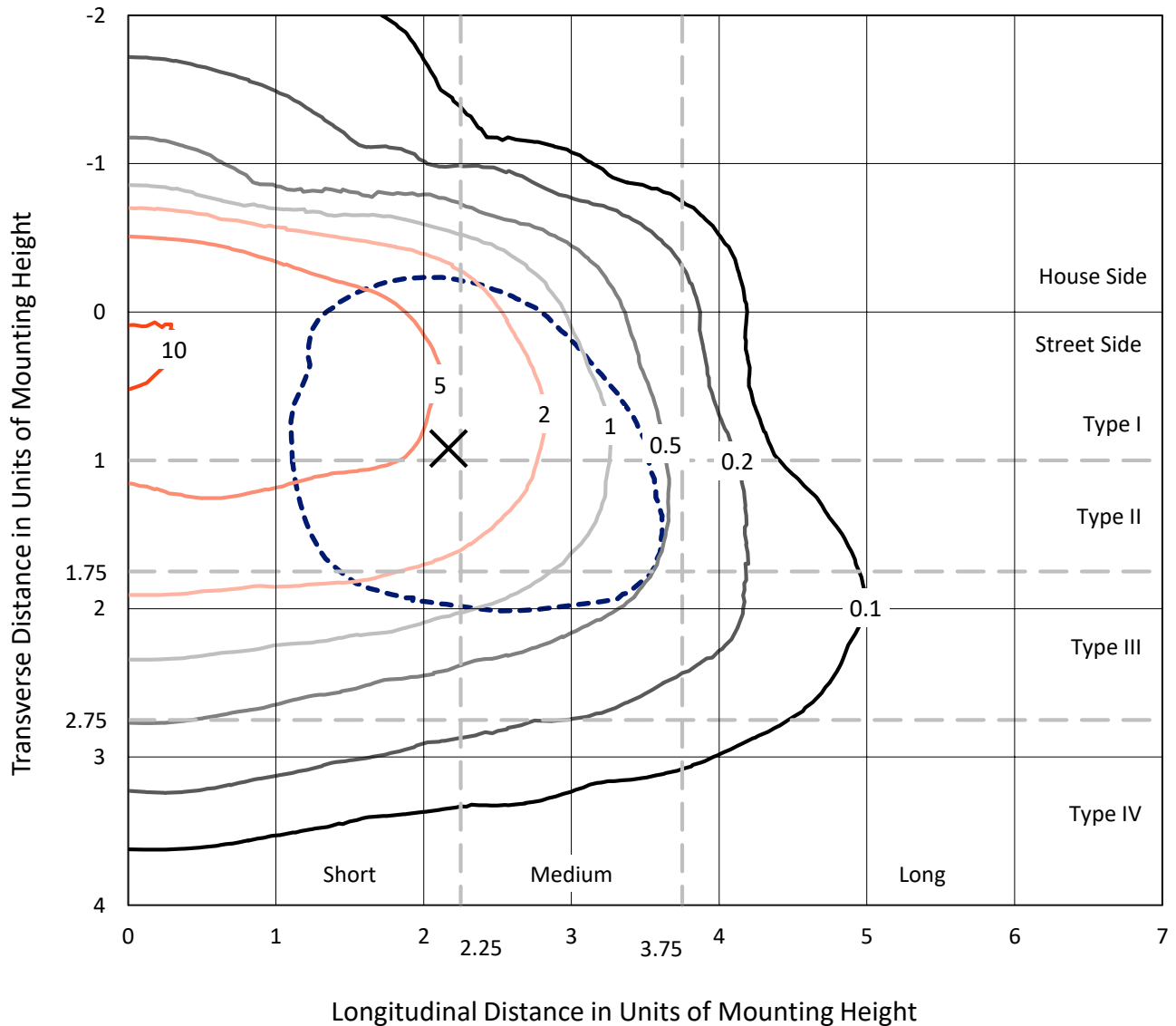
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

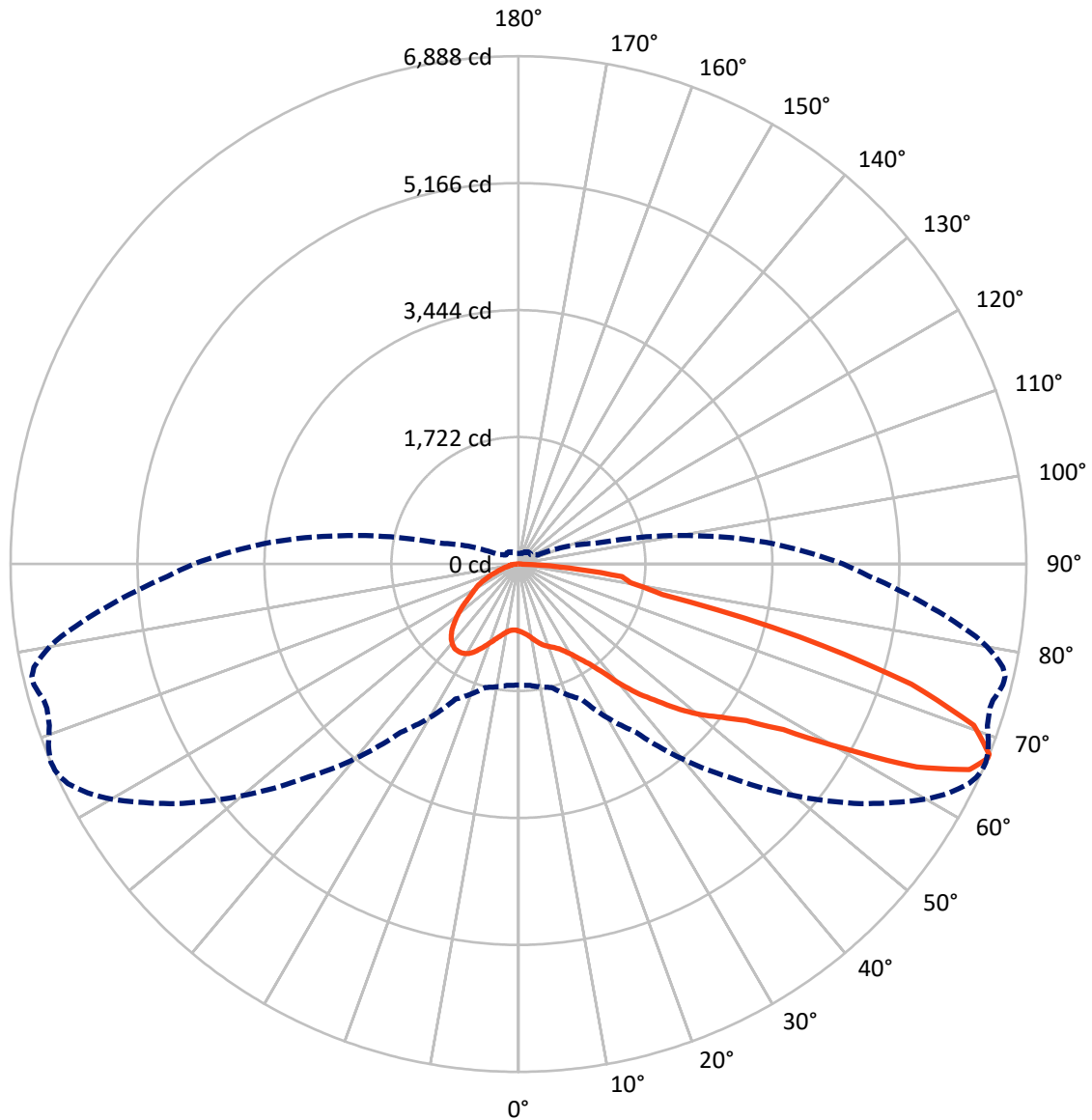
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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	1919.8	0.0	1919.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6399.5	0.0	6399.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	8319.2	0.0	8319.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	1.1
10°-20°	310.2	3.7
20°-30°	547.8	6.6
30°-40°	786.3	9.5
40°-50°	1194.2	14.4
50°-60°	1758.3	21.1
60°-70°	2336.8	28.1
70°-80°	1143.2	13.7
80°-90°	151.8	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°	8319.2	100.0
0°-180°	8319.2	100.0



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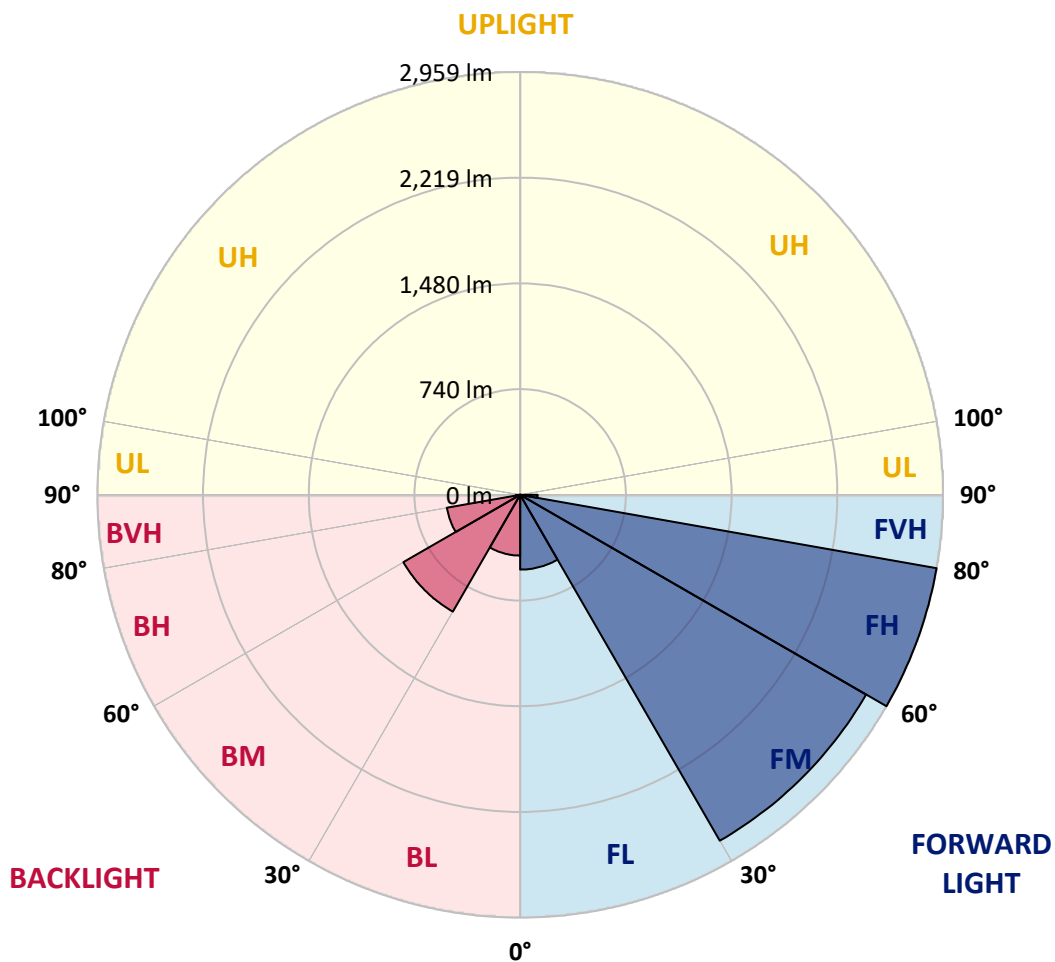
CATALOG NUMBER: VWM-E03-LED-E1-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	523.4	6.3			
FM	(30°-60°)	2795.1	33.6			
FH	(60°-80°)	2959.1	35.6			G2/5000
FVH	(80°-90°)	121.9	1.5			G2/225
BL	(0°-30°)	425.2	5.1	B1/500		
BM	(30°-60°)	943.8	11.3	B1/1000		
BH	(60°-80°)	520.9	6.3	B2/1000		G2/1000
BVH	(80°-90°)	29.9	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°	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8
2.5°	951.7	952.6	950.8	949.9	944.4	938.9	935.3	930.7	930.7	930.7	928.9
5°	1005.6	1001.9	1004.7	998.3	987.3	977.3	967.2	959.0	957.2	957.2	953.5
7.5°	1070.4	1065.9	1064.1	1054.9	1038.5	1023.9	1003.8	995.6	991.0	989.2	987.3
10°	1149.0	1149.0	1137.1	1121.6	1099.7	1074.1	1052.2	1037.6	1036.7	1036.7	1028.4
12.5°	1229.4	1231.2	1215.7	1200.1	1164.5	1130.7	1105.2	1088.7	1087.8	1084.1	1079.6
15°	1303.4	1298.8	1288.7	1265.9	1226.6	1186.4	1154.5	1138.0	1134.4	1130.7	1128.0
17.5°	1364.5	1360.0	1347.2	1318.0	1276.9	1229.4	1190.1	1172.7	1170.9	1169.1	1165.4
20°	1402.9	1399.3	1381.0	1347.2	1304.3	1255.9	1213.8	1202.0	1198.3	1198.3	1196.5
22.5°	1424.8	1419.3	1392.9	1348.1	1306.1	1270.5	1235.8	1228.5	1225.7	1226.6	1226.6
25°	1435.8	1431.2	1393.8	1329.8	1289.7	1279.6	1265.0	1260.4	1261.3	1262.3	1264.1
27.5°	1437.6	1431.2	1387.4	1306.1	1268.6	1297.0	1307.0	1314.3	1314.3	1318.0	1324.4
30°	1423.9	1416.6	1374.6	1287.8	1259.5	1331.7	1371.9	1391.0	1398.3	1396.5	1411.1
32.5°	1400.2	1395.6	1361.8	1287.8	1285.1	1400.2	1471.4	1498.8	1502.5	1504.3	1520.7
35°	1391.9	1391.0	1376.4	1331.7	1364.5	1520.7	1629.4	1650.4	1655.0	1655.0	1666.9
37.5°	1390.1	1394.7	1411.1	1413.9	1504.3	1699.7	1842.2	1874.2	1874.2	1883.3	1883.3
40°	1390.1	1400.2	1462.3	1536.3	1675.1	1932.6	2129.9	2166.5	2166.5	2176.5	2171.0
42.5°	1444.0	1458.6	1560.9	1701.6	1890.6	2172.9	2399.4	2440.5	2443.2	2440.5	2448.7
45°	1550.0	1562.7	1687.0	1888.8	2112.6	2430.4	2656.9	2706.3	2696.2	2702.6	2705.3
47.5°	1690.6	1710.7	1852.3	2093.4	2329.0	2668.8	2945.6	2990.3	2986.7	2989.4	2977.5
50°	1840.4	1861.4	2019.4	2296.2	2544.6	2860.6	3177.5	3244.2	3237.8	3242.4	3248.8
52.5°	1972.8	1985.6	2138.2	2448.7	2708.1	3039.6	3355.6	3438.8	3453.4	3455.2	3459.8
55°	2051.4	2066.9	2206.7	2524.5	2826.8	3215.0	3559.3	3685.4	3713.7	3721.0	3741.1
57.5°	2078.8	2095.2	2222.2	2535.5	2891.7	3379.4	3843.4	4065.3	4089.1	4128.3	4192.3
60°	2077.9	2095.2	2205.7	2510.8	2957.4	3583.1	4285.4	4657.2	4777.7	4817.9	4909.3
62.5°	1992.9	2013.0	2125.4	2435.9	3041.5	3843.4	4943.1	5514.8	5670.1	5743.1	5841.8
65°	1806.6	1821.2	1926.3	2245.9	3017.7	4100.0	5492.9	6206.2	6347.8	6454.6	6630.9
67°	1641.3	1650.4	1732.6	2021.2	2785.7	4109.2	5666.4	6377.9	6501.2	6614.5	6796.2
67.5°	1599.3	1618.5	1682.4	1952.7	2699.0	4057.1	5654.6	6351.4	6477.5	6595.3	6787.1
70°	1301.5	1328.9	1360.9	1542.6	2121.7	3413.2	5235.3	5892.9	6003.5	6113.1	6380.7
72.5°	802.8	852.2	858.5	973.6	1381.0	2359.2	4236.1	4969.5	5052.7	5131.2	5405.2
75°	473.1	480.4	503.3	596.4	810.1	1410.2	2842.3	3691.8	3768.5	3806.8	4021.5
77.5°	264.0	271.3	290.4	370.8	622.9	949.9	1655.0	2169.2	2215.8	2264.2	2229.5
80°	109.6	119.6	128.8	149.8	291.4	749.9	1138.0	1379.2	1409.3	1437.6	1473.2
82.5°	53.0	56.6	69.4	79.5	105.9	307.8	892.3	1195.6	1231.2	1272.3	1355.4
85°	24.7	27.4	38.4	45.7	51.1	77.6	298.7	581.8	631.1	640.3	656.7
87.5°	1.8	1.8	4.6	6.4	9.1	10.0	31.1	43.8	49.3	44.8	56.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8
2.5°	928.0	927.1	925.2	925.2	924.3	924.3	924.3	922.5	922.5	922.5	921.6
5°	952.6	951.7	949.0	949.0	947.1	947.1	944.4	943.5	941.7	941.7	940.8
7.5°	984.6	983.7	980.0	980.0	977.3	976.4	974.5	971.8	971.8	970.0	968.2
10°	1028.4	1025.7	1024.8	1020.2	1021.1	1019.3	1017.5	1014.7	1012.9	1011.1	1009.3
12.5°	1077.8	1077.8	1073.2	1070.4	1072.3	1070.4	1066.8	1065.9	1063.1	1063.1	1060.4
15°	1124.3	1124.3	1122.5	1118.9	1119.8	1117.0	1116.1	1114.3	1110.6	1111.5	1110.6
17.5°	1164.5	1164.5	1161.8	1160.0	1160.0	1157.2	1158.1	1156.3	1154.5	1153.6	1150.8
20°	1196.5	1196.5	1194.7	1192.8	1193.7	1193.7	1191.0	1191.0	1191.0	1189.2	1189.2
22.5°	1227.5	1228.5	1228.5	1228.5	1229.4	1230.3	1229.4	1231.2	1230.3	1232.1	1232.1
25°	1268.6	1271.4	1273.2	1273.2	1277.8	1278.7	1279.6	1282.3	1282.3	1285.1	1286.0
27.5°	1329.8	1331.7	1339.0	1340.8	1341.7	1349.0	1349.9	1353.6	1357.2	1358.2	1359.1
30°	1413.9	1418.4	1423.9	1427.6	1427.6	1436.7	1440.4	1438.5	1448.6	1451.3	1455.0
32.5°	1526.2	1529.9	1535.3	1539.0	1542.6	1547.2	1548.1	1552.7	1560.9	1568.2	1563.7
35°	1667.8	1676.9	1667.8	1677.8	1680.6	1687.0	1685.1	1690.6	1694.3	1697.0	1696.1
37.5°	1873.3	1868.7	1866.9	1863.2	1856.8	1878.8	1867.8	1866.9	1861.4	1876.9	1866.9
40°	2143.6	2146.4	2149.1	2134.5	2126.3	2126.3	2123.5	2113.5	2108.9	2122.6	2120.8
42.5°	2425.9	2428.6	2415.8	2406.7	2385.7	2382.9	2370.1	2367.4	2362.8	2370.1	2362.8
45°	2682.5	2684.3	2656.0	2660.6	2644.1	2646.9	2626.8	2635.0	2624.1	2631.4	2645.1
47.5°	2969.3	2973.0	2948.3	2958.3	2941.9	2931.9	2930.9	2936.4	2924.5	2931.9	2935.5
50°	3229.6	3225.0	3212.3	3215.0	3207.7	3209.5	3198.6	3208.6	3194.9	3209.5	3207.7
52.5°	3460.7	3455.2	3452.5	3461.6	3455.2	3455.2	3448.8	3453.4	3455.2	3477.1	3481.7
55°	3741.1	3745.6	3750.2	3766.7	3774.0	3762.1	3774.0	3796.8	3797.7	3849.8	3878.1
57.5°	4191.4	4223.3	4239.8	4249.8	4292.7	4288.2	4315.6	4370.4	4375.9	4496.4	4566.8
60°	4976.8	5033.5	5087.4	5058.1	5144.9	5171.4	5187.8	5290.1	5322.1	5436.3	5497.5
62.5°	5968.7	5975.1	6059.2	6032.7	6082.0	6070.1	6090.2	6136.8	6178.8	6272.9	6330.4
65°	6661.1	6691.2	6724.1	6690.3	6689.4	6649.2	6623.6	6622.7	6648.3	6668.4	6732.3
67°	6849.2	6879.4	6887.6	6862.9	6827.3	6776.1	6728.7	6704.0	6687.6	6696.7	6736.9
67.5°	6847.4	6875.7	6885.7	6862.0	6812.7	6769.8	6719.5	6691.2	6669.3	6673.9	6707.6
70°	6458.3	6519.5	6552.4	6559.7	6553.3	6478.4	6435.5	6409.9	6391.6	6346.9	6344.1
72.5°	5471.9	5545.9	5571.4	5612.5	5630.8	5520.3	5473.7	5502.0	5438.1	5296.5	5302.9
75°	4017.8	4023.3	3937.5	3921.0	3859.8	3609.6	3534.7	3466.2	3356.6	3185.8	3025.0
77.5°	2094.3	2093.4	1994.8	1944.5	1871.5	1720.8	1713.4	1591.1	1505.2	1349.0	1292.4
80°	1487.8	1511.6	1544.5	1560.9	1535.3	1476.9	1396.5	1309.7	1210.2	1112.5	995.6
82.5°	1383.7	1398.3	1415.7	1351.8	1316.1	1233.9	1172.7	1046.7	976.4	864.9	747.1
85°	673.1	717.9	683.2	643.0	629.3	492.3	475.9	397.3	360.8	296.8	276.7
87.5°	42.9	53.0	47.5	42.9	37.4	21.0	28.3	20.1	21.0	15.5	13.7
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8
2.5°	921.6	920.7	919.7	918.8	917.9	917.9	917.0	916.1	915.2	913.4	913.4
5°	938.9	938.9	938.0	936.2	936.2	934.4	931.6	930.7	930.7	928.9	927.1
7.5°	967.2	966.3	964.5	963.6	961.8	959.9	958.1	956.3	955.4	952.6	951.7
10°	1010.2	1008.3	1003.8	1001.9	1001.0	999.2	997.4	995.6	992.8	991.0	990.1
12.5°	1058.6	1057.7	1054.0	1055.8	1051.3	1049.4	1047.6	1043.0	1044.9	1041.2	1039.4
15°	1107.0	1107.9	1106.1	1106.1	1102.4	1099.7	1097.8	1094.2	1093.3	1091.5	1089.6
17.5°	1149.9	1151.7	1149.0	1147.2	1145.3	1143.5	1139.9	1136.2	1136.2	1132.6	1130.7
20°	1189.2	1191.0	1190.1	1188.3	1185.5	1184.6	1182.8	1180.0	1180.0	1178.2	1175.5
22.5°	1233.9	1234.8	1234.8	1233.9	1231.2	1232.1	1230.3	1227.5	1228.5	1224.8	1224.8
25°	1287.8	1289.7	1291.5	1292.4	1290.6	1291.5	1289.7	1287.8	1286.9	1287.8	1286.9
27.5°	1361.8	1363.6	1369.1	1364.5	1369.1	1370.0	1367.3	1363.6	1366.4	1370.9	1368.2
30°	1459.5	1457.7	1465.0	1465.9	1465.0	1465.9	1464.1	1461.4	1463.2	1471.4	1466.8
32.5°	1569.1	1572.8	1574.6	1576.4	1579.2	1582.8	1580.1	1577.4	1581.9	1579.2	1585.6
35°	1701.6	1709.8	1712.5	1709.8	1711.6	1718.0	1717.1	1718.0	1727.1	1718.0	1729.9
37.5°	1868.7	1876.9	1883.3	1879.7	1884.2	1884.2	1891.5	1911.6	1898.9	1915.3	1928.1
40°	2111.7	2124.5	2125.4	2124.5	2129.0	2134.5	2141.8	2163.7	2149.1	2166.5	2178.3
42.5°	2361.9	2377.5	2382.9	2373.8	2383.8	2395.7	2396.6	2415.8	2416.7	2419.5	2425.9
45°	2644.1	2657.8	2668.8	2664.2	2665.2	2680.7	2677.0	2695.3	2681.6	2681.6	2685.2
47.5°	2944.6	2957.4	2964.7	2972.0	2962.9	2976.6	2983.0	2979.3	2962.9	2959.3	2937.3
50°	3218.6	3229.6	3240.6	3260.7	3259.7	3266.1	3270.7	3254.3	3250.6	3230.5	3205.9
52.5°	3509.1	3537.4	3562.1	3604.1	3610.5	3632.4	3624.2	3596.8	3592.2	3559.3	3526.4
55°	3913.7	3995.0	4030.6	4095.5	4139.3	4138.4	4120.1	4115.6	4080.8	4015.1	3975.8
57.5°	4617.9	4744.9	4806.0	4890.1	4903.8	4895.6	4871.8	4829.8	4769.5	4659.0	4587.8
60°	5634.5	5713.0	5784.2	5804.3	5814.4	5798.9	5715.7	5622.6	5504.8	5352.2	5225.3
62.5°	6402.6	6483.0	6535.9	6527.7	6464.7	6385.2	6263.8	6107.6	5942.3	5771.5	5581.5
65°	6793.5	6827.3	6819.1	6755.1	6647.4	6508.5	6331.3	6138.6	5944.1	5742.2	5544.9
67°	6772.5	6773.4	6717.7	6593.5	6455.6	6281.1	6064.6	5854.6	5626.2	5414.3	5179.6
67.5°	6735.0	6731.4	6653.8	6517.7	6368.8	6188.9	5964.2	5746.8	5510.2	5296.5	5053.6
70°	6311.3	6260.1	6084.7	5867.4	5660.0	5417.1	5181.4	4932.1	4665.4	4481.8	4202.3
72.5°	5186.0	5013.4	4711.1	4483.6	4261.7	3943.8	3796.8	3487.2	3299.9	3183.0	2972.0
75°	3003.1	2858.8	2625.0	2412.2	2304.4	2116.2	2026.7	1799.3	1751.8	1750.0	1676.9
77.5°	1146.3	1000.1	849.4	684.1	581.8	462.2	407.4	364.4	331.5	354.4	321.5
80°	859.5	706.9	552.6	401.9	286.8	211.9	181.8	168.1	159.8	153.4	148.9
82.5°	640.3	505.1	391.8	255.7	179.0	135.2	116.9	109.6	105.9	99.6	94.1
85°	216.5	173.5	137.0	95.0	74.9	61.2	56.6	54.8	52.1	47.5	44.8
87.5°	11.9	11.0	11.9	9.1	11.0	9.1	10.0	10.0	10.0	9.1	9.1
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°	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8	908.8
2.5°	912.4	912.4	912.4	910.6	907.9	902.4	896.9	892.3	887.8	885.0	883.2
5°	926.1	924.3	923.4	922.5	916.1	905.1	895.1	885.9	876.8	869.5	866.8
7.5°	950.8	947.1	946.2	943.5	935.3	918.8	904.2	889.6	876.8	866.8	862.2
10°	988.2	988.2	982.8	979.1	970.0	948.1	927.1	907.9	890.5	879.6	876.8
12.5°	1035.7	1035.7	1031.2	1028.4	1017.5	989.2	963.6	940.8	924.3	913.4	912.4
15°	1085.1	1084.1	1080.5	1076.8	1065.0	1034.8	1009.3	989.2	975.5	962.7	959.0
17.5°	1128.9	1128.9	1124.3	1120.7	1108.8	1083.2	1060.4	1045.8	1030.3	1003.8	983.7
20°	1172.7	1173.7	1170.0	1166.3	1156.3	1134.4	1124.3	1109.7	1075.0	1017.5	970.0
22.5°	1221.1	1224.8	1220.2	1216.6	1208.4	1199.2	1195.6	1160.9	1087.8	995.6	926.1
25°	1283.3	1289.7	1284.2	1282.3	1277.8	1280.5	1269.6	1189.2	1069.5	948.1	861.3
27.5°	1368.2	1368.2	1369.1	1369.1	1367.3	1377.3	1337.1	1190.1	1029.3	886.9	783.7
30°	1467.8	1473.2	1471.4	1471.4	1478.7	1485.1	1374.6	1170.0	978.2	811.1	688.7
32.5°	1587.4	1592.0	1593.8	1585.6	1614.8	1581.9	1388.3	1133.5	915.2	717.0	575.4
35°	1731.7	1738.1	1742.7	1743.6	1762.8	1666.0	1381.0	1079.6	824.8	599.2	451.2
37.5°	1919.9	1932.6	1942.7	1947.3	1948.2	1737.2	1360.9	1008.3	706.9	467.6	336.1
40°	2170.1	2183.8	2181.1	2190.2	2138.2	1779.2	1315.2	905.1	560.8	343.4	259.4
42.5°	2411.2	2413.1	2416.7	2408.5	2302.6	1801.1	1251.3	779.1	420.1	256.7	221.9
45°	2680.7	2665.2	2647.8	2635.0	2454.2	1809.3	1163.6	625.6	296.8	215.6	205.5
47.5°	2933.7	2912.7	2877.1	2840.5	2589.3	1796.6	1051.3	468.5	225.6	197.3	194.5
50°	3182.1	3142.8	3092.6	3050.6	2719.0	1777.4	927.1	337.9	197.3	188.2	185.4
52.5°	3489.9	3424.2	3358.4	3303.6	2888.0	1747.2	796.4	256.7	185.4	180.8	177.2
55°	3911.9	3820.5	3714.6	3637.9	3117.3	1701.6	659.4	217.4	179.9	176.3	170.8
57.5°	4496.4	4359.4	4239.8	4114.6	3430.5	1655.0	541.6	201.9	179.0	173.5	166.2
60°	5093.8	4929.4	4776.8	4597.8	3750.2	1608.4	459.4	200.0	181.8	173.5	162.6
62.5°	5404.3	5234.4	5050.8	4869.1	3888.1	1498.8	402.8	202.8	188.2	176.3	162.6
65°	5333.1	5125.7	4939.4	4754.0	3728.3	1291.5	340.7	206.4	200.9	187.2	165.3
67°	4975.0	4758.6	4579.5	4402.3	3372.1	1081.4	292.3	210.1	214.6	200.0	170.8
67.5°	4849.0	4632.5	4456.2	4283.6	3267.1	1037.6	280.4	211.9	217.4	203.7	172.6
70°	4020.6	3861.6	3674.4	3541.1	2645.1	768.1	230.2	215.6	233.8	224.7	180.8
72.5°	2893.5	2741.9	2601.2	2527.2	1948.2	537.0	193.6	211.9	243.9	236.6	184.5
75°	1538.1	1528.9	1477.8	1514.3	1205.6	350.7	170.8	198.2	232.9	216.5	171.7
77.5°	310.5	319.7	375.4	369.9	389.1	195.5	146.1	169.9	179.9	158.9	139.7
80°	144.3	141.6	138.8	140.7	137.9	125.1	118.7	133.3	125.1	102.3	93.2
82.5°	89.5	87.7	84.9	84.0	93.2	99.6	104.1	105.0	83.1	71.2	68.5
85°	42.9	42.9	42.0	43.8	54.8	81.3	87.7	77.6	55.7	51.1	48.4
87.5°	8.2	8.2	9.1	8.2	11.0	19.2	21.9	25.6	21.0	21.9	24.7
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°	908.8	908.8	908.8
2.5°	881.4	879.6	879.6
5°	863.1	862.2	862.2
7.5°	858.5	859.5	858.5
10°	875.9	875.0	878.6
12.5°	914.3	917.0	916.1
15°	954.5	956.3	956.3
17.5°	966.3	959.9	959.0
20°	935.3	923.4	920.7
22.5°	876.8	854.9	855.8
25°	802.8	776.3	778.2
27.5°	717.0	688.7	687.8
30°	613.8	582.7	567.2
32.5°	489.6	452.1	452.1
35°	368.1	337.9	327.0
37.5°	279.5	262.1	256.7
40°	232.9	224.7	222.9
42.5°	211.9	209.2	208.2
45°	200.9	199.1	198.2
47.5°	190.9	190.0	189.1
50°	183.6	182.7	181.8
52.5°	177.2	175.4	174.4
55°	168.1	168.1	168.1
57.5°	162.6	162.6	161.7
60°	157.1	156.2	156.2
62.5°	152.5	150.7	151.6
65°	149.8	147.0	147.0
67°	148.0	142.5	142.5
67.5°	148.0	140.7	140.7
70°	145.2	133.3	131.5
72.5°	142.5	125.1	122.4
75°	135.2	118.7	116.0
77.5°	116.0	105.9	104.1
80°	89.5	77.6	79.5
82.5°	64.8	55.7	54.8
85°	46.6	40.2	40.2
87.5°	24.7	21.0	21.9
90°	0.0	0.0	0.0

(END OF REPORT)