

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: P151085

Luminaire Tested: **VWM-F03-LED-E1-SL3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151085
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-F03-LED-E1-SL3
Description: VISION WALL MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7519.3 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

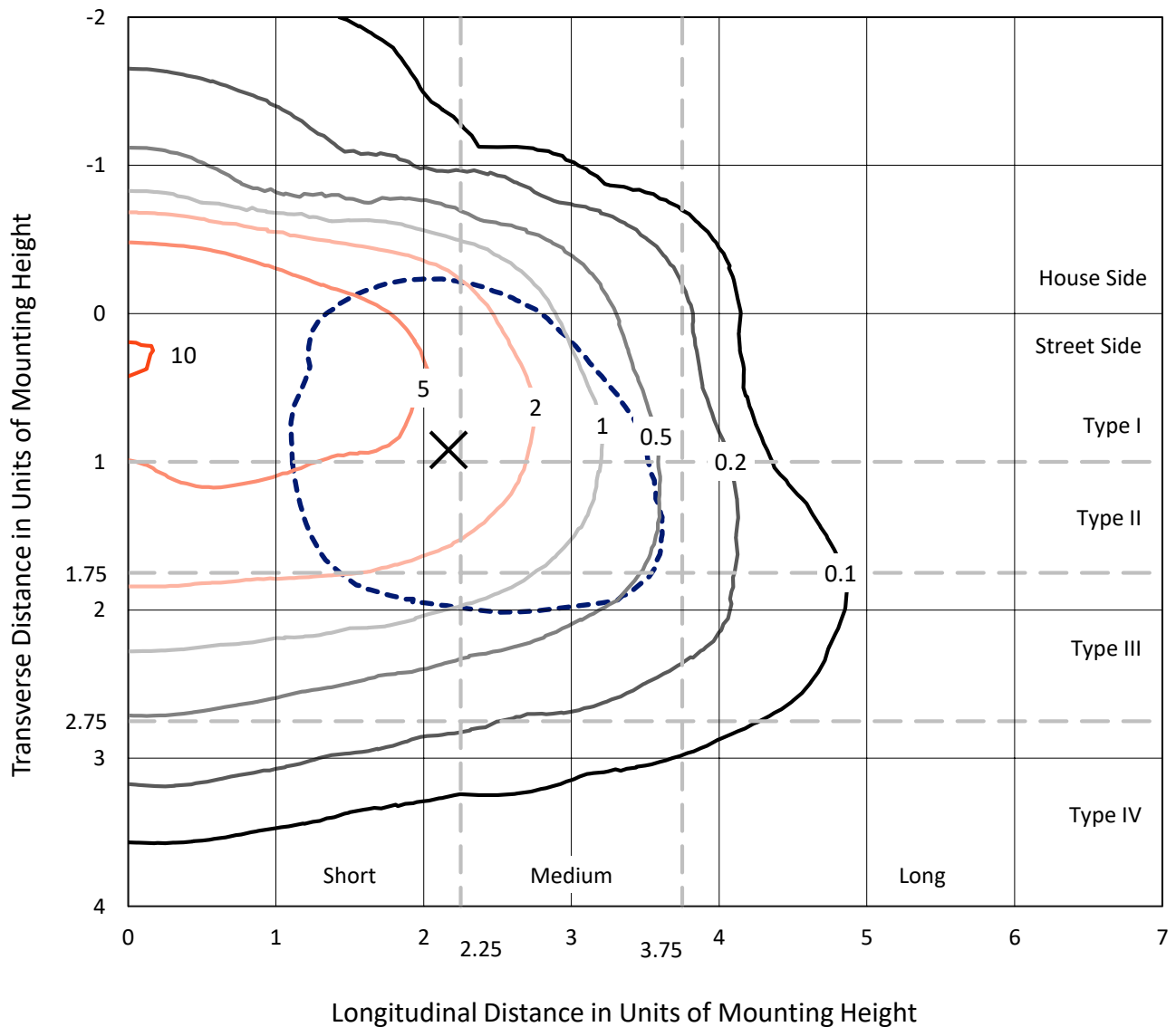
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

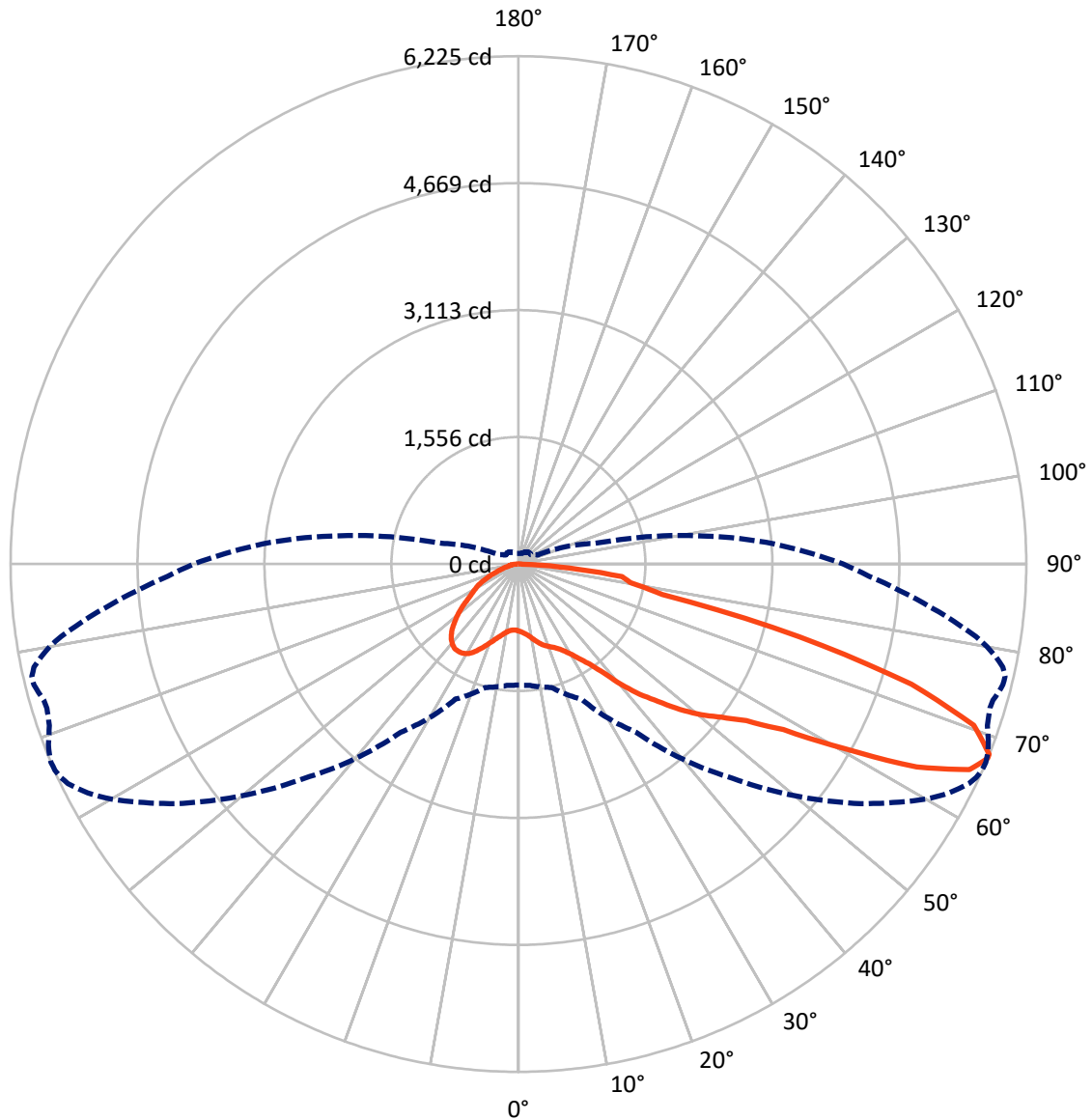
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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	1735.2	0.0	1735.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5784.1	0.0	5784.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	7519.3	0.0	7519.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	1.1
10°-20°	280.4	3.7
20°-30°	495.1	6.6
30°-40°	710.7	9.5
40°-50°	1079.4	14.4
50°-60°	1589.3	21.1
60°-70°	2112.1	28.1
70°-80°	1033.3	13.7
80°-90°	137.2	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°	7519.3	100.0
0°-180°	7519.3	100.0



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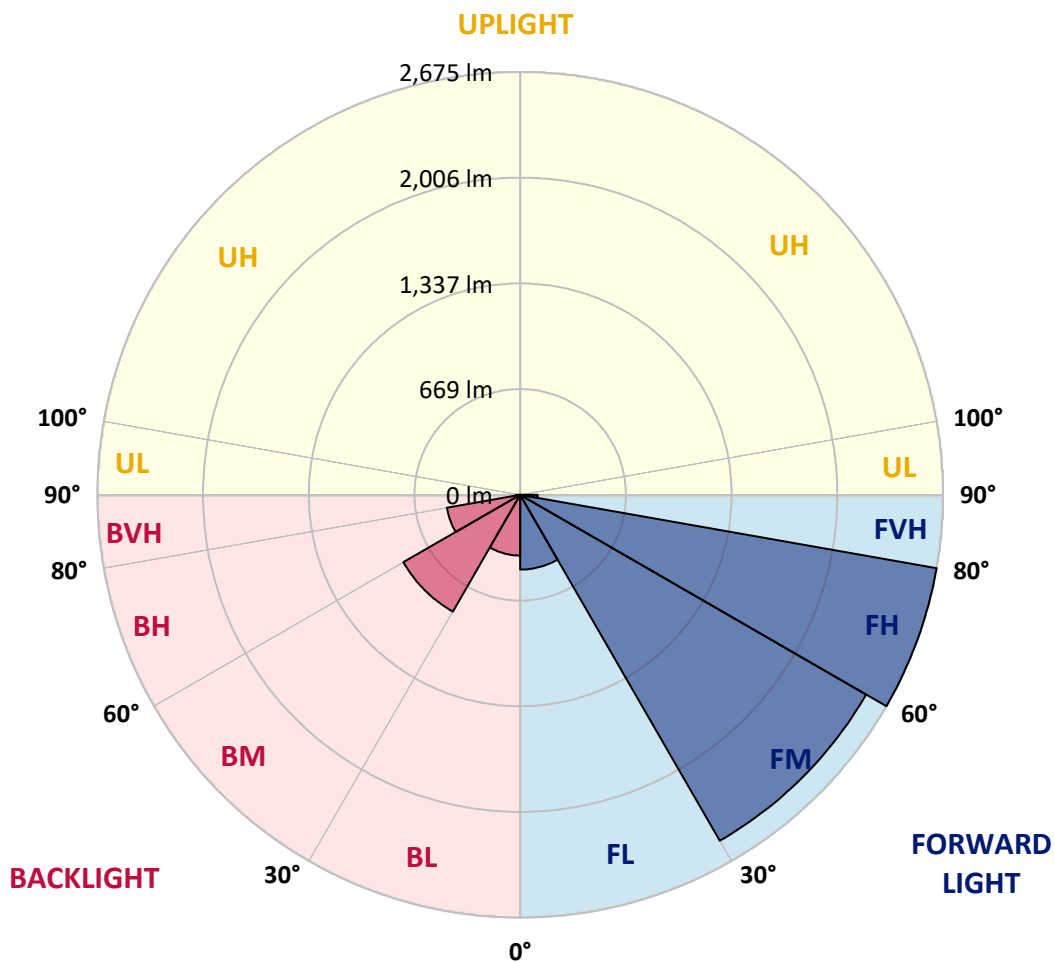
CATALOG NUMBER: VWM-F03-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	473.0	6.3			
FM	(30°-60°)	2526.3	33.6			
FH	(60°-80°)	2674.5	35.6			G2/5000
FVH	(80°-90°)	110.2	1.5			G2/225
BL	(0°-30°)	384.3	5.1	B1/500		
BM	(30°-60°)	853.1	11.3	B1/1000		
BH	(60°-80°)	470.8	6.3	B1/500		G1/500
BVH	(80°-90°)	27.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	860.2	861.0	859.4	858.5	853.6	848.6	845.3	841.2	841.2	841.2	839.6
5°	908.9	905.6	908.1	902.3	892.4	883.3	874.2	866.8	865.2	865.2	861.8
7.5°	967.5	963.4	961.7	953.5	938.6	925.4	907.3	899.8	895.7	894.0	892.4
10°	1038.5	1038.5	1027.8	1013.7	993.9	970.8	951.0	937.8	937.0	937.0	929.5
12.5°	1111.2	1112.8	1098.8	1084.7	1052.5	1022.0	998.9	984.0	983.2	979.9	975.8
15°	1178.0	1173.9	1164.8	1144.2	1108.7	1072.4	1043.5	1028.6	1025.3	1022.0	1019.5
17.5°	1233.3	1229.2	1217.6	1191.2	1154.1	1111.2	1075.7	1060.0	1058.3	1056.7	1053.4
20°	1268.0	1264.7	1248.2	1217.6	1178.8	1135.1	1097.1	1086.4	1083.1	1083.1	1081.4
22.5°	1287.8	1282.9	1258.9	1218.5	1180.5	1148.3	1116.9	1110.3	1107.9	1108.7	1108.7
25°	1297.7	1293.6	1259.8	1202.0	1165.6	1156.6	1143.4	1139.2	1140.0	1140.9	1142.5
27.5°	1299.4	1293.6	1254.0	1180.5	1146.7	1172.2	1181.3	1187.9	1187.9	1191.2	1197.0
30°	1287.0	1280.4	1242.4	1164.0	1138.4	1203.6	1239.9	1257.3	1263.9	1262.2	1275.4
32.5°	1265.5	1261.4	1230.9	1164.0	1161.5	1265.5	1329.9	1354.7	1358.0	1359.6	1374.5
35°	1258.1	1257.3	1244.1	1203.6	1233.3	1374.5	1472.7	1491.7	1495.9	1495.9	1506.6
37.5°	1256.4	1260.6	1275.4	1277.9	1359.6	1536.3	1665.1	1694.0	1694.0	1702.2	1702.2
40°	1256.4	1265.5	1321.7	1388.5	1514.0	1746.8	1925.1	1958.1	1958.1	1967.2	1962.3
42.5°	1305.2	1318.4	1410.8	1538.0	1708.8	1963.9	2168.7	2205.8	2208.3	2205.8	2213.2
45°	1400.9	1412.5	1524.7	1707.2	1909.4	2196.7	2401.5	2446.0	2436.9	2442.7	2445.2
47.5°	1528.0	1546.2	1674.2	1892.1	2105.1	2412.2	2662.3	2702.8	2699.5	2701.9	2691.2
50°	1663.4	1682.4	1825.2	2075.4	2299.9	2585.5	2872.0	2932.3	2926.5	2930.6	2936.4
52.5°	1783.1	1794.7	1932.6	2213.2	2447.7	2747.3	3033.0	3108.1	3121.3	3123.0	3127.1
55°	1854.1	1868.2	1994.5	2281.8	2555.0	2905.8	3217.1	3331.0	3356.6	3363.2	3381.4
57.5°	1878.9	1893.8	2008.5	2291.7	2613.6	3054.4	3473.8	3674.4	3695.9	3731.4	3789.2
60°	1878.1	1893.8	1993.6	2269.4	2673.0	3238.5	3873.4	4209.4	4318.3	4354.6	4437.2
62.5°	1801.3	1819.5	1921.0	2201.7	2749.0	3473.8	4467.7	4984.5	5124.9	5190.9	5280.1
65°	1632.9	1646.1	1741.0	2030.0	2727.5	3705.8	4964.7	5609.4	5737.4	5834.0	5993.3
67°	1483.5	1491.7	1566.0	1826.9	2517.9	3714.0	5121.6	5764.6	5876.1	5978.5	6142.7
67.5°	1445.5	1462.8	1520.6	1765.0	2439.4	3667.0	5110.8	5740.7	5854.6	5961.1	6134.5
70°	1176.4	1201.1	1230.0	1394.3	1917.7	3085.0	4731.9	5326.3	5426.2	5525.2	5767.1
72.5°	725.6	770.2	776.0	880.0	1248.2	2132.3	3828.8	4491.7	4566.8	4637.8	4885.5
75°	427.6	434.2	454.9	539.1	732.2	1274.6	2569.0	3336.8	3406.1	3440.8	3634.8
77.5°	238.6	245.2	262.5	335.2	563.0	858.5	1495.9	1960.6	2002.7	2046.5	2015.1
80°	99.1	108.1	116.4	135.4	263.3	677.8	1028.6	1246.5	1273.8	1299.4	1331.6
82.5°	47.9	51.2	62.7	71.8	95.8	278.2	806.5	1080.6	1112.8	1150.0	1225.1
85°	22.3	24.8	34.7	41.3	46.2	70.2	269.9	525.9	570.4	578.7	593.6
87.5°	1.7	1.7	4.1	5.8	8.3	9.1	28.1	39.6	44.6	40.5	51.2
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-F03-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	838.7	837.9	836.3	836.3	835.4	835.4	835.4	833.8	833.8	833.8	833.0
5°	861.0	860.2	857.7	857.7	856.1	856.1	853.6	852.8	851.1	851.1	850.3
7.5°	889.9	889.1	885.8	885.8	883.3	882.5	880.8	878.4	878.4	876.7	875.1
10°	929.5	927.1	926.2	922.1	922.9	921.3	919.6	917.2	915.5	913.9	912.2
12.5°	974.1	974.1	970.0	967.5	969.2	967.5	964.2	963.4	960.9	960.9	958.4
15°	1016.2	1016.2	1014.6	1011.3	1012.1	1009.6	1008.8	1007.1	1003.8	1004.7	1003.8
17.5°	1052.5	1052.5	1050.1	1048.4	1048.4	1045.9	1046.8	1045.1	1043.5	1042.6	1040.2
20°	1081.4	1081.4	1079.8	1078.1	1079.0	1079.0	1076.5	1076.5	1076.5	1074.8	1074.8
22.5°	1109.5	1110.3	1110.3	1110.3	1111.2	1112.0	1111.2	1112.8	1112.0	1113.6	1113.6
25°	1146.7	1149.1	1150.8	1150.8	1154.9	1155.7	1156.6	1159.0	1159.0	1161.5	1162.3
27.5°	1202.0	1203.6	1210.2	1211.9	1212.7	1219.3	1220.1	1223.4	1226.7	1227.6	1228.4
30°	1277.9	1282.0	1287.0	1290.3	1290.3	1298.6	1301.9	1300.2	1309.3	1311.8	1315.1
32.5°	1379.5	1382.8	1387.7	1391.0	1394.3	1398.4	1399.3	1403.4	1410.8	1417.4	1413.3
35°	1507.4	1515.7	1507.4	1516.5	1519.0	1524.7	1523.1	1528.0	1531.3	1533.8	1533.0
37.5°	1693.2	1689.0	1687.4	1684.1	1678.3	1698.1	1688.2	1687.4	1682.4	1696.5	1687.4
40°	1937.5	1940.0	1942.5	1929.3	1921.8	1921.8	1919.3	1910.3	1906.1	1918.5	1916.9
42.5°	2192.6	2195.1	2183.5	2175.3	2156.3	2153.8	2142.2	2139.8	2135.6	2142.2	2135.6
45°	2424.6	2426.2	2400.6	2404.8	2389.9	2392.4	2374.2	2381.6	2371.7	2378.3	2390.7
47.5°	2683.8	2687.1	2664.8	2673.9	2659.0	2649.9	2649.1	2654.1	2643.3	2649.9	2653.2
50°	2919.1	2914.9	2903.4	2905.8	2899.2	2900.9	2891.0	2900.1	2887.7	2900.9	2899.2
52.5°	3127.9	3123.0	3120.5	3128.7	3123.0	3123.0	3117.2	3121.3	3123.0	3142.8	3146.9
55°	3381.4	3385.5	3389.6	3404.5	3411.1	3400.3	3411.1	3431.7	3432.5	3479.6	3505.2
57.5°	3788.3	3817.2	3832.1	3841.2	3880.0	3875.8	3900.6	3950.1	3955.1	4064.1	4127.6
60°	4498.3	4549.5	4598.2	4571.8	4650.2	4674.1	4689.0	4781.4	4810.3	4913.5	4968.8
62.5°	5394.8	5400.6	5476.5	5452.6	5497.2	5486.4	5504.6	5546.7	5584.7	5669.7	5721.7
65°	6020.6	6047.8	6077.5	6047.0	6046.1	6009.8	5986.7	5985.9	6009.0	6027.2	6084.9
67°	6190.6	6217.9	6225.3	6203.0	6170.8	6124.6	6081.6	6059.4	6044.5	6052.7	6089.1
67.5°	6189.0	6214.6	6223.6	6202.2	6157.6	6118.8	6073.4	6047.8	6028.0	6032.1	6062.7
70°	5837.3	5892.6	5922.3	5928.9	5923.1	5855.4	5816.6	5793.5	5777.0	5736.6	5734.1
72.5°	4945.7	5012.6	5035.7	5072.9	5089.4	4989.5	4947.4	4973.0	4915.2	4787.2	4793.0
75°	3631.5	3636.4	3558.8	3544.0	3488.7	3262.5	3194.8	3132.9	3033.8	2879.4	2734.1
77.5°	1892.9	1892.1	1802.9	1757.5	1691.5	1555.3	1548.7	1438.1	1360.5	1219.3	1168.1
80°	1344.8	1366.2	1396.0	1410.8	1387.7	1334.9	1262.2	1183.8	1093.8	1005.5	899.8
82.5°	1250.7	1263.9	1279.6	1221.8	1189.6	1115.3	1060.0	946.1	882.5	781.8	675.3
85°	608.4	648.9	617.5	581.2	568.8	445.0	430.1	359.1	326.1	268.3	250.1
87.5°	38.8	47.9	42.9	38.8	33.8	19.0	25.6	18.2	19.0	14.0	12.4
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°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	833.0	832.1	831.3	830.5	829.7	829.7	828.8	828.0	827.2	825.5	825.5
5°	848.6	848.6	847.8	846.2	846.2	844.5	842.0	841.2	841.2	839.6	837.9
7.5°	874.2	873.4	871.8	870.9	869.3	867.6	866.0	864.3	863.5	861.0	860.2
10°	913.0	911.4	907.3	905.6	904.8	903.1	901.5	899.8	897.3	895.7	894.9
12.5°	956.8	956.0	952.7	954.3	950.2	948.5	946.9	942.7	944.4	941.1	939.4
15°	1000.5	1001.4	999.7	999.7	996.4	993.9	992.3	989.0	988.2	986.5	984.9
17.5°	1039.3	1041.0	1038.5	1036.9	1035.2	1033.6	1030.3	1027.0	1027.0	1023.7	1022.0
20°	1074.8	1076.5	1075.7	1074.0	1071.5	1070.7	1069.1	1066.6	1066.6	1064.9	1062.5
22.5°	1115.3	1116.1	1116.1	1115.3	1112.8	1113.6	1112.0	1109.5	1110.3	1107.0	1107.0
25°	1164.0	1165.6	1167.3	1168.1	1166.5	1167.3	1165.6	1164.0	1163.2	1164.0	1163.2
27.5°	1230.9	1232.5	1237.5	1233.3	1237.5	1238.3	1235.8	1232.5	1235.0	1239.1	1236.6
30°	1319.2	1317.5	1324.1	1325.0	1324.1	1325.0	1323.3	1320.8	1322.5	1329.9	1325.8
32.5°	1418.3	1421.6	1423.2	1424.9	1427.3	1430.6	1428.2	1425.7	1429.8	1427.3	1433.1
35°	1538.0	1545.4	1547.9	1545.4	1547.0	1552.8	1552.0	1552.8	1561.1	1552.8	1563.5
37.5°	1689.0	1696.5	1702.2	1698.9	1703.1	1703.1	1709.7	1727.8	1716.3	1731.1	1742.7
40°	1908.6	1920.2	1921.0	1920.2	1924.3	1929.3	1935.9	1955.7	1942.5	1958.1	1968.9
42.5°	2134.8	2148.8	2153.8	2145.5	2154.6	2165.4	2166.2	2183.5	2184.3	2186.8	2192.6
45°	2389.9	2402.3	2412.2	2408.1	2408.9	2422.9	2419.6	2436.1	2423.7	2423.7	2427.0
47.5°	2661.5	2673.0	2679.7	2686.3	2678.0	2690.4	2696.2	2692.9	2678.0	2674.7	2654.9
50°	2909.1	2919.1	2929.0	2947.1	2946.3	2952.1	2956.2	2941.3	2938.0	2919.9	2897.6
52.5°	3171.7	3197.3	3219.5	3257.5	3263.3	3283.1	3275.7	3250.9	3246.8	3217.1	3187.4
55°	3537.4	3610.8	3643.0	3701.7	3741.3	3740.5	3723.9	3719.8	3688.4	3629.0	3593.5
57.5°	4173.9	4288.6	4343.9	4419.9	4432.2	4424.8	4403.3	4365.4	4310.9	4211.0	4146.6
60°	5092.7	5163.7	5228.0	5246.2	5255.3	5241.3	5166.1	5081.9	4975.4	4837.6	4722.8
62.5°	5786.9	5859.6	5907.5	5900.0	5843.1	5771.2	5661.4	5520.3	5370.9	5216.5	5044.8
65°	6140.3	6170.8	6163.4	6105.6	6008.2	5882.7	5722.5	5548.4	5372.5	5190.1	5011.8
67°	6121.3	6122.1	6071.7	5959.5	5834.8	5677.1	5481.5	5291.6	5085.2	4893.7	4681.6
67.5°	6087.4	6084.1	6013.9	5890.9	5756.4	5593.8	5390.7	5194.2	4980.4	4787.2	4567.6
70°	5704.4	5658.1	5499.6	5303.2	5115.8	4896.2	4683.2	4457.8	4216.8	4050.9	3798.2
72.5°	4687.3	4531.3	4258.1	4052.5	3851.9	3564.6	3431.7	3151.9	2982.6	2877.0	2686.3
75°	2714.3	2583.9	2372.6	2180.2	2082.8	1912.7	1831.8	1626.3	1583.4	1581.7	1515.7
77.5°	1036.0	903.9	767.7	618.3	525.9	417.7	368.2	329.4	299.7	320.3	290.6
80°	776.8	639.0	499.4	363.2	259.2	191.5	164.3	151.9	144.5	138.7	134.6
82.5°	578.7	456.5	354.2	231.1	161.8	122.2	105.7	99.1	95.8	90.0	85.0
85°	195.6	156.8	123.8	85.9	67.7	55.3	51.2	49.5	47.1	42.9	40.5
87.5°	10.7	9.9	10.7	8.3	9.9	8.3	9.1	9.1	9.1	8.3	8.3
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°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	824.7	824.7	824.7	823.0	820.6	815.6	810.7	806.5	802.4	799.9	798.3
5°	837.1	835.4	834.6	833.8	828.0	818.1	809.0	800.8	792.5	785.9	783.4
7.5°	859.4	856.1	855.2	852.8	845.3	830.5	817.3	804.1	792.5	783.4	779.3
10°	893.2	893.2	888.3	885.0	876.7	856.9	837.9	820.6	804.9	795.0	792.5
12.5°	936.1	936.1	932.0	929.5	919.6	894.0	870.9	850.3	835.4	825.5	824.7
15°	980.7	979.9	976.6	973.3	962.6	935.3	912.2	894.0	881.7	870.1	866.8
17.5°	1020.3	1020.3	1016.2	1012.9	1002.2	979.1	958.4	945.2	931.2	907.3	889.1
20°	1060.0	1060.8	1057.5	1054.2	1045.1	1025.3	1016.2	1003.0	971.6	919.6	876.7
22.5°	1103.7	1107.0	1102.9	1099.6	1092.2	1083.9	1080.6	1049.2	983.2	899.8	837.1
25°	1159.9	1165.6	1160.7	1159.0	1154.9	1157.4	1147.5	1074.8	966.7	856.9	778.5
27.5°	1236.6	1236.6	1237.5	1237.5	1235.8	1244.9	1208.6	1075.7	930.4	801.6	708.3
30°	1326.6	1331.6	1329.9	1329.9	1336.5	1342.3	1242.4	1057.5	884.1	733.1	622.4
32.5°	1434.8	1438.9	1440.5	1433.1	1459.5	1429.8	1254.8	1024.5	827.2	648.0	520.1
35°	1565.2	1571.0	1575.1	1575.9	1593.3	1505.8	1248.2	975.8	745.4	541.5	407.8
37.5°	1735.3	1746.8	1755.9	1760.0	1760.8	1570.1	1230.0	911.4	639.0	422.7	303.8
40°	1961.4	1973.8	1971.4	1979.6	1932.6	1608.1	1188.8	818.1	506.9	310.4	234.4
42.5°	2179.4	2181.0	2184.3	2176.9	2081.1	1627.9	1131.0	704.2	379.7	232.0	200.6
45°	2422.9	2408.9	2393.2	2381.6	2218.2	1635.4	1051.7	565.5	268.3	194.8	185.7
47.5°	2651.6	2632.6	2600.4	2567.4	2340.4	1623.8	950.2	423.5	203.9	178.3	175.8
50°	2876.1	2840.6	2795.2	2757.3	2457.6	1606.5	837.9	305.4	178.3	170.1	167.6
52.5°	3154.3	3094.9	3035.5	2985.9	2610.3	1579.2	719.9	232.0	167.6	163.5	160.2
55°	3535.7	3453.2	3357.4	3288.1	2817.5	1538.0	596.0	196.5	162.6	159.3	154.4
57.5°	4064.1	3940.2	3832.1	3719.0	3100.7	1495.9	489.5	182.4	161.8	156.8	150.2
60°	4604.0	4455.4	4317.5	4155.7	3389.6	1453.7	415.2	180.8	164.3	156.8	146.9
62.5°	4884.6	4731.1	4565.2	4400.9	3514.3	1354.7	364.1	183.3	170.1	159.3	146.9
65°	4820.2	4632.8	4464.4	4296.9	3369.8	1167.3	307.9	186.6	181.6	169.2	149.4
67°	4496.6	4301.0	4139.2	3979.0	3047.8	977.4	264.2	189.9	194.0	180.8	154.4
67.5°	4382.7	4187.1	4027.7	3871.7	2952.9	937.8	253.4	191.5	196.5	184.1	156.0
70°	3634.0	3490.3	3321.1	3200.6	2390.7	694.3	208.0	194.8	211.3	203.1	163.5
72.5°	2615.3	2478.2	2351.1	2284.2	1760.8	485.4	175.0	191.5	220.4	213.8	166.8
75°	1390.2	1381.9	1335.7	1368.7	1089.7	317.0	154.4	179.1	210.5	195.6	155.2
77.5°	280.7	288.9	339.3	334.3	351.7	176.7	132.1	153.5	162.6	143.6	126.3
80°	130.4	128.0	125.5	127.1	124.7	113.1	107.3	120.5	113.1	92.5	84.2
82.5°	80.9	79.3	76.8	75.9	84.2	90.0	94.1	94.9	75.1	64.4	61.9
85°	38.8	38.8	38.0	39.6	49.5	73.5	79.3	70.2	50.4	46.2	43.8
87.5°	7.4	7.4	8.3	7.4	9.9	17.3	19.8	23.1	19.0	19.8	22.3
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°	821.4	821.4	821.4
2.5°	796.6	795.0	795.0
5°	780.1	779.3	779.3
7.5°	776.0	776.8	776.0
10°	791.7	790.9	794.2
12.5°	826.4	828.8	828.0
15°	862.7	864.3	864.3
17.5°	873.4	867.6	866.8
20°	845.3	834.6	832.1
22.5°	792.5	772.7	773.5
25°	725.6	701.7	703.3
27.5°	648.0	622.4	621.6
30°	554.8	526.7	512.7
32.5°	442.5	408.6	408.6
35°	332.7	305.4	295.5
37.5°	252.6	236.9	232.0
40°	210.5	203.1	201.4
42.5°	191.5	189.0	188.2
45°	181.6	180.0	179.1
47.5°	172.5	171.7	170.9
50°	165.9	165.1	164.3
52.5°	160.2	158.5	157.7
55°	151.9	151.9	151.9
57.5°	146.9	146.9	146.1
60°	142.0	141.2	141.2
62.5°	137.9	136.2	137.0
65°	135.4	132.9	132.9
67°	133.7	128.8	128.8
67.5°	133.7	127.1	127.1
70°	131.3	120.5	118.9
72.5°	128.8	113.1	110.6
75°	122.2	107.3	104.8
77.5°	104.8	95.8	94.1
80°	80.9	70.2	71.8
82.5°	58.6	50.4	49.5
85°	42.1	36.3	36.3
87.5°	22.3	19.0	19.8
90°	0.0	0.0	0.0

(END OF REPORT)