

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: P155453

Luminaire Tested: **VXS-F05-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155453
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F05-LED-E1-T3-8030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10743.4 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

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

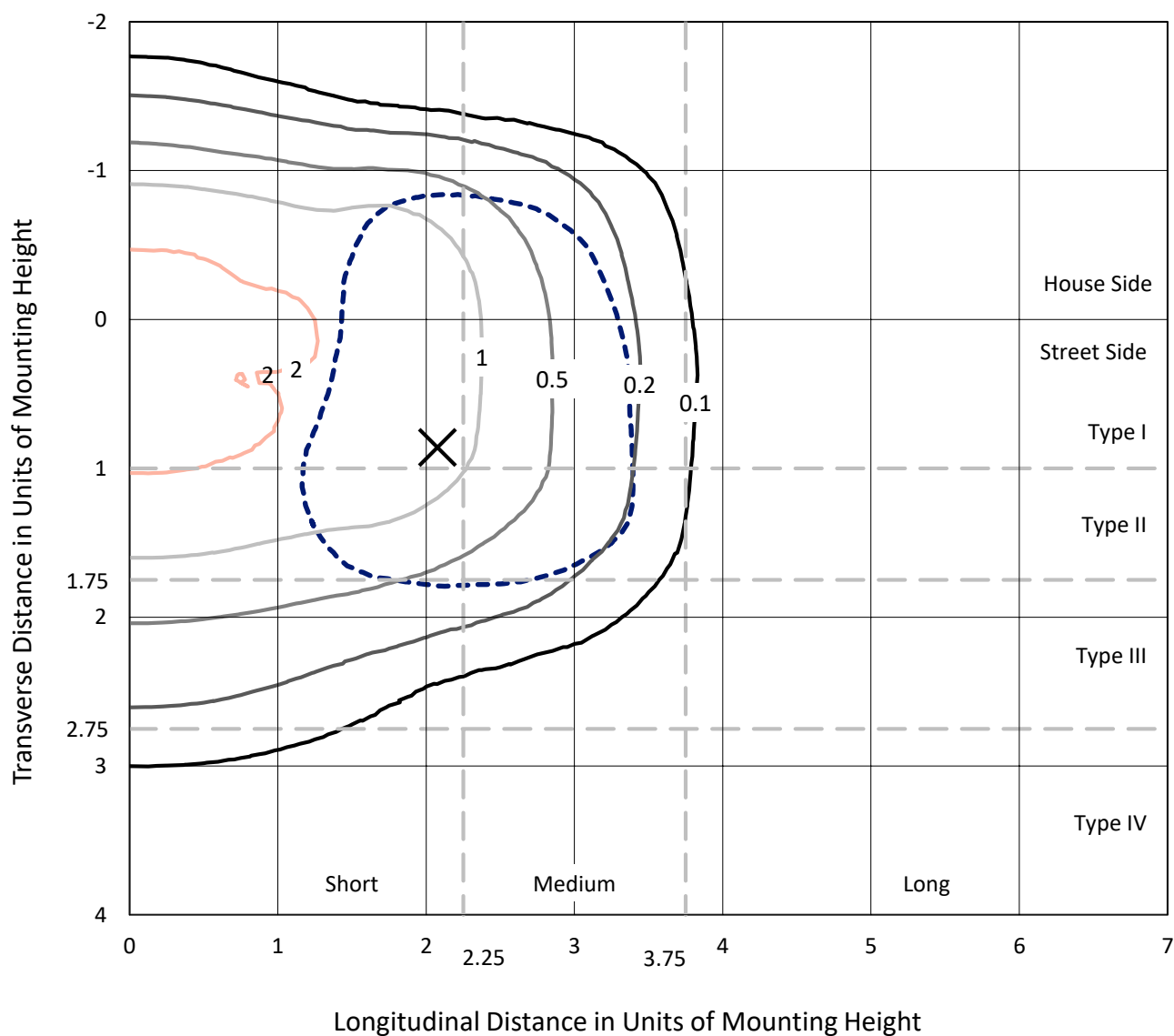


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

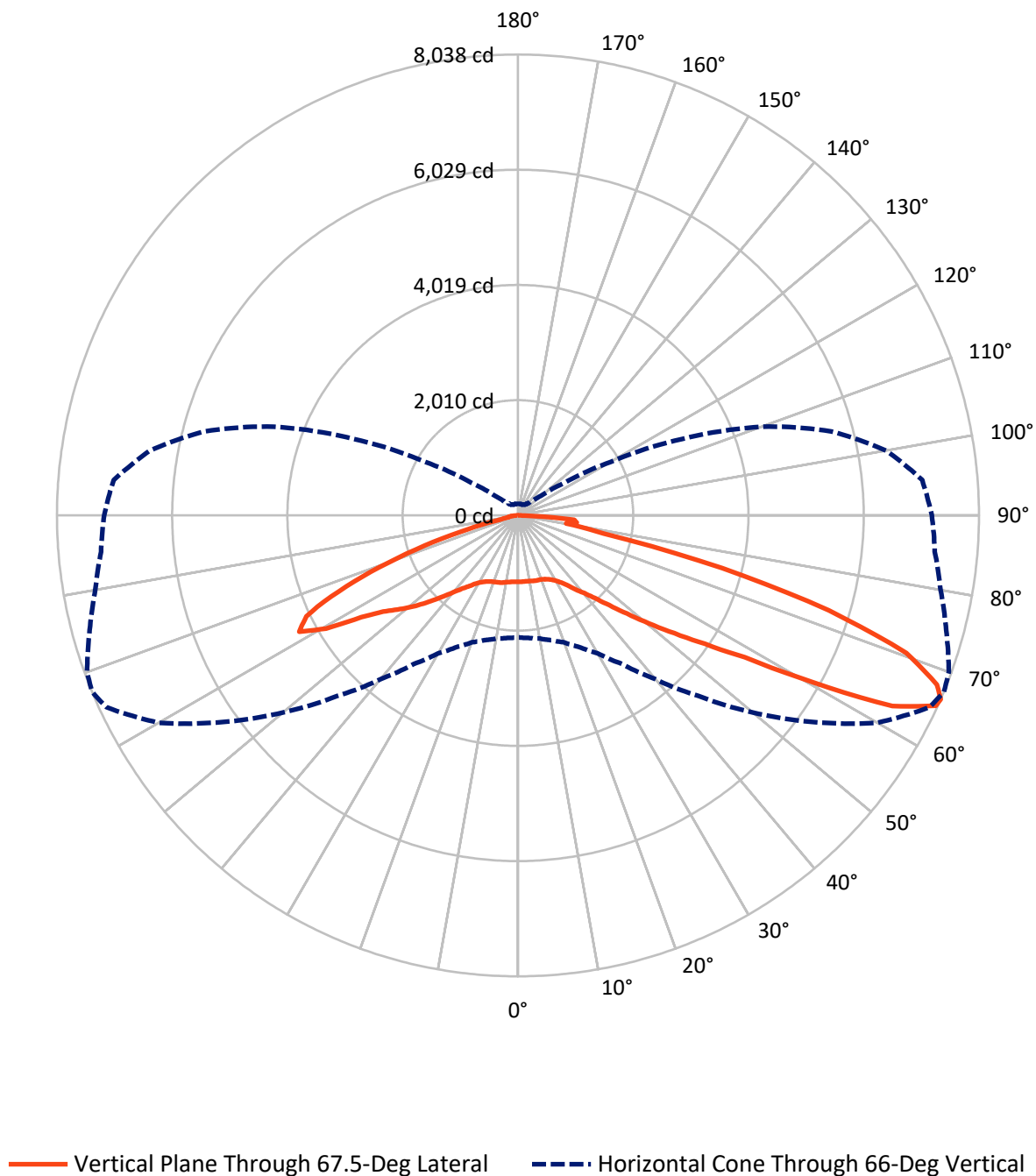


Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3710.0	0.0	3710.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	7033.4	0.0	7033.4
	% Fixture	65.5	0.0	65.5
Total	Lumens	10743.4	0.0	10743.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	1.0
10°-20°	327.3	3.0
20°-30°	562.4	5.2
30°-40°	913.3	8.5
40°-50°	1524.7	14.2
50°-60°	2400.8	22.3
60°-70°	3273.8	30.5
70°-80°	1417.2	13.2
80°-90°	213.1	2.0
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°	10743.4	100.0
0°-180°	10743.4	100.0

Coefficient of Utilization



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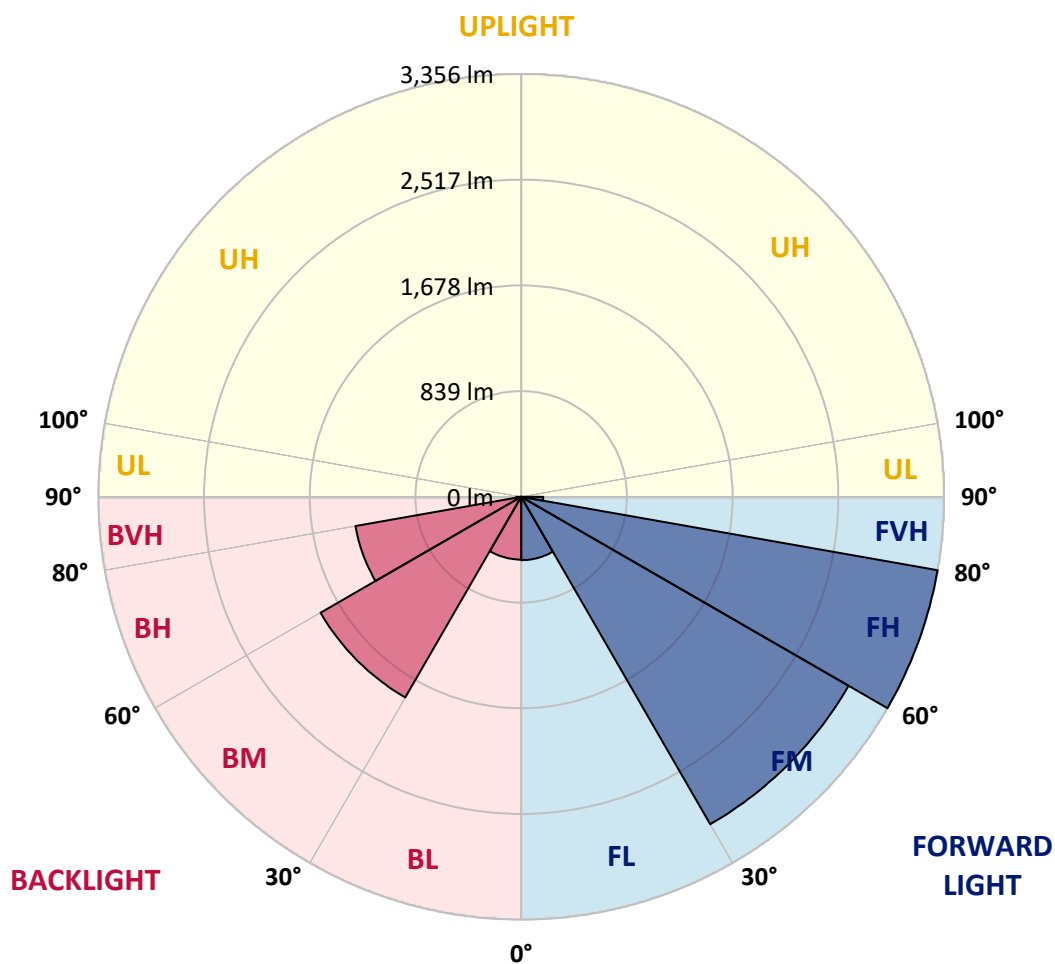
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	502.6	4.7			
FM	(30°-60°)	3000.3	27.9			
FH	(60°-80°)	3355.5	31.2			G2/5000
FVH	(80°-90°)	175.0	1.6			G2/225
BL	(0°-30°)	498.0	4.6	B1/500		
BM	(30°-60°)	1838.5	17.1	B2/2500		
BH	(60°-80°)	1335.4	12.4	B3/2500		G3/2500
BVH	(80°-90°)	38.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1162.4	1167.0	1162.4	1163.5	1164.7	1163.5	1162.4	1162.4	1158.9	1161.2	1163.5
5°	1157.7	1161.2	1160.1	1161.2	1162.4	1161.2	1160.1	1161.2	1158.9	1160.1	1163.5
7.5°	1151.9	1150.8	1151.9	1154.3	1156.6	1156.6	1156.6	1157.7	1156.6	1156.6	1160.1
10°	1134.5	1135.6	1138.0	1141.5	1142.7	1146.1	1146.1	1149.6	1150.8	1153.1	1157.7
12.5°	1112.4	1113.6	1116.0	1118.2	1124.0	1129.8	1129.8	1138.0	1141.5	1147.3	1155.4
15°	1096.2	1097.4	1099.7	1102.0	1106.6	1112.4	1116.0	1125.2	1131.0	1141.5	1153.1
17.5°	1105.5	1104.4	1106.6	1107.8	1107.8	1112.4	1112.4	1119.4	1126.4	1135.6	1150.8
20°	1132.2	1132.2	1134.5	1134.5	1133.4	1135.6	1131.0	1131.0	1132.2	1136.9	1147.3
22.5°	1158.9	1157.7	1162.4	1164.7	1165.9	1169.3	1164.7	1163.5	1157.7	1154.3	1157.7
25°	1184.5	1183.3	1189.1	1192.5	1198.3	1201.9	1201.9	1201.9	1197.2	1191.4	1188.0
27.5°	1223.9	1223.9	1229.7	1233.3	1237.8	1244.9	1248.3	1248.3	1249.4	1241.3	1235.5
30°	1290.2	1291.3	1292.4	1297.1	1301.8	1304.0	1308.7	1312.2	1315.6	1311.0	1301.8
32.5°	1369.1	1362.1	1362.1	1369.1	1374.9	1381.9	1384.1	1388.8	1395.8	1392.3	1391.2
35°	1463.1	1460.8	1458.5	1460.8	1467.8	1476.0	1485.2	1493.4	1488.7	1495.6	1492.1
37.5°	1602.5	1604.8	1606.0	1606.0	1604.8	1607.2	1611.8	1619.9	1617.6	1619.9	1624.6
40°	1832.4	1824.2	1816.2	1817.3	1805.7	1808.0	1789.4	1797.6	1798.8	1790.6	1794.1
42.5°	2062.4	2066.9	2070.5	2079.8	2071.6	2066.9	2049.5	2049.5	2040.3	2032.1	2029.8
45°	2310.9	2320.1	2321.2	2339.9	2333.0	2348.0	2360.7	2357.3	2342.2	2341.0	2324.8
47.5°	2509.4	2524.5	2540.7	2562.8	2580.2	2613.9	2653.4	2673.2	2684.8	2694.1	2675.4
50°	2658.0	2665.0	2706.8	2741.7	2780.0	2835.8	2890.3	2961.1	3018.0	3044.8	3070.3
52.5°	2738.1	2755.5	2800.8	2855.4	2922.8	3006.4	3094.7	3207.4	3304.9	3369.8	3428.0
55°	2755.5	2773.1	2824.1	2893.8	2985.5	3098.1	3224.8	3378.0	3524.4	3649.7	3771.7
57.5°	2706.8	2726.5	2781.1	2861.2	2969.2	3106.3	3265.4	3466.2	3668.3	3871.5	4051.5
60°	2617.4	2641.8	2691.7	2770.7	2890.3	3044.8	3235.1	3487.2	3770.5	4081.7	4426.6
62.5°	2469.9	2495.4	2542.0	2629.0	2752.1	2922.8	3143.4	3457.0	3857.6	4347.7	4959.6
65°	2233.1	2244.7	2301.6	2389.8	2499.0	2687.0	2929.7	3308.3	3829.7	4511.4	5354.4
66°	2126.2	2145.9	2180.8	2251.6	2356.2	2532.6	2776.5	3160.8	3724.0	4454.5	5343.9
67.5°	1959.0	1974.1	1997.3	2044.9	2108.8	2238.9	2469.9	2833.4	3401.2	4166.5	5122.2
70°	1583.9	1590.9	1622.3	1638.4	1660.5	1703.5	1787.2	1996.2	2438.5	3157.4	4134.0
72.5°	1079.9	1099.7	1133.4	1179.8	1240.2	1298.2	1337.7	1364.5	1459.7	1883.5	2754.4
75°	791.9	812.8	855.9	917.4	1023.0	1143.8	1269.2	1327.3	1287.8	1233.3	1534.0
77.5°	459.9	487.7	523.7	582.9	680.5	840.7	1055.5	1246.0	1374.9	1383.0	1313.4
80°	193.9	197.4	219.5	249.6	310.1	422.7	589.9	863.9	1149.6	1342.4	1387.7
82.5°	44.1	54.6	69.6	82.5	101.0	139.4	206.7	343.7	621.2	974.3	1270.4
85°	16.3	16.3	22.1	32.5	37.2	41.8	54.6	87.0	148.6	274.1	571.3
87.5°	0.0	1.1	2.3	2.3	4.7	5.8	9.3	12.7	11.6	10.5	34.8
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1161.2	1160.1	1157.7	1157.7	1157.7	1157.7	1155.4	1156.6	1154.3	1155.4	1155.4
5°	1160.1	1160.1	1158.9	1156.6	1157.7	1157.7	1158.9	1156.6	1156.6	1157.7	1156.6
7.5°	1160.1	1158.9	1158.9	1158.9	1160.1	1158.9	1160.1	1160.1	1160.1	1161.2	1161.2
10°	1160.1	1160.1	1162.4	1163.5	1163.5	1164.7	1168.2	1168.2	1169.3	1170.5	1172.8
12.5°	1161.2	1165.9	1169.3	1172.8	1174.0	1176.4	1182.2	1182.2	1184.5	1188.0	1189.1
15°	1162.4	1169.3	1176.4	1178.7	1180.9	1185.6	1191.4	1193.8	1197.2	1200.7	1203.0
17.5°	1161.2	1170.5	1178.7	1182.2	1185.6	1191.4	1198.3	1200.7	1205.4	1209.9	1214.6
20°	1160.1	1172.8	1185.6	1190.3	1194.9	1203.0	1212.3	1218.1	1222.8	1229.7	1234.4
22.5°	1167.0	1182.2	1199.6	1206.5	1214.6	1225.1	1237.8	1244.9	1250.7	1257.6	1261.1
25°	1189.1	1200.7	1221.7	1233.3	1243.6	1261.1	1278.5	1286.6	1293.6	1299.4	1300.6
27.5°	1226.2	1229.7	1255.3	1270.4	1285.5	1313.4	1334.2	1340.1	1352.8	1357.5	1356.3
30°	1286.6	1280.8	1301.8	1325.0	1347.0	1385.4	1410.9	1426.0	1437.6	1437.6	1428.3
32.5°	1373.7	1364.5	1370.3	1397.0	1422.5	1478.2	1508.4	1528.2	1536.3	1534.0	1514.2
35°	1487.6	1481.8	1478.2	1499.2	1539.8	1604.8	1644.2	1654.7	1667.6	1665.2	1639.7
37.5°	1622.3	1617.6	1617.6	1642.0	1681.5	1777.8	1820.8	1827.8	1826.6	1808.0	1760.4
40°	1781.3	1779.0	1768.5	1782.5	1816.2	1941.6	1999.6	2008.9	1996.2	1965.9	1910.3
42.5°	2010.1	1996.2	1963.6	1971.7	1997.3	2119.3	2194.7	2220.3	2207.5	2177.3	2086.7
45°	2308.5	2293.5	2238.9	2231.9	2245.8	2352.6	2450.2	2456.0	2453.7	2415.3	2308.5
47.5°	2659.2	2636.0	2577.9	2559.4	2554.7	2653.4	2747.5	2756.8	2751.0	2694.1	2551.2
50°	3039.0	3005.3	2966.9	2954.2	2935.5	3006.4	3101.7	3102.8	3079.6	3000.6	2867.0
52.5°	3444.1	3432.5	3425.6	3412.8	3404.7	3466.2	3524.4	3489.5	3454.6	3372.2	3256.1
55°	3853.0	3900.5	3949.3	3954.0	3967.9	4034.1	4033.0	3937.7	3912.1	3866.8	3751.9
57.5°	4287.3	4463.7	4617.0	4664.7	4711.1	4834.2	4822.6	4728.5	4696.0	4640.2	4545.1
60°	4878.3	5354.4	5796.9	5902.5	5975.6	6123.1	6109.2	5964.0	6031.4	6026.7	5903.6
62.5°	5706.2	6498.2	7161.2	7323.8	7374.9	7391.2	7302.9	7146.2	7212.3	7286.7	6908.1
65°	6267.2	7198.4	7879.0	8004.4	8011.3	7817.4	7621.1	7436.5	7420.2	7356.4	6815.2
66°	6279.9	7233.3	7916.1	8038.0	7995.0	7730.3	7481.8	7296.0	7215.9	7075.3	6514.5
67.5°	6054.6	7016.2	7751.2	7880.1	7786.0	7411.0	7068.4	6829.1	6672.4	6444.8	5950.2
70°	5085.0	6038.3	6944.1	7184.5	7214.7	6655.0	6180.0	5899.1	5687.7	5375.3	4949.1
72.5°	3780.9	4642.6	5441.6	5671.4	5788.7	5341.7	4941.0	4727.4	4438.2	4109.5	3806.5
75°	2370.1	2978.5	3513.9	3675.2	3565.0	3219.0	2978.5	2889.1	2604.7	2408.4	2270.2
77.5°	1355.1	1545.6	1588.6	1527.0	1397.0	1069.5	760.6	563.2	488.9	541.1	596.9
80°	1322.6	1212.3	966.1	850.1	769.8	529.5	311.2	213.7	177.6	182.3	197.4
82.5°	1433.0	1537.5	1265.7	1032.3	866.3	585.3	322.8	171.8	116.2	137.0	154.4
85°	931.3	1296.0	1167.0	983.5	796.6	500.5	265.9	89.4	59.2	77.8	106.8
87.5°	94.1	103.3	88.3	119.6	89.4	41.8	20.9	12.7	11.6	13.9	20.9
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1156.6	1156.6	1157.7	1158.9	1160.1	1161.2	1161.2	1161.2	1161.2	1163.5	1162.4
5°	1158.9	1161.2	1163.5	1164.7	1167.0	1167.0	1170.5	1169.3	1169.3	1172.8	1174.0
7.5°	1163.5	1167.0	1171.7	1170.5	1175.1	1174.0	1176.4	1176.4	1172.8	1174.0	1171.7
10°	1174.0	1178.7	1180.9	1177.5	1178.7	1174.0	1172.8	1167.0	1160.1	1156.6	1151.9
12.5°	1191.4	1196.1	1196.1	1190.3	1183.3	1172.8	1164.7	1151.9	1141.5	1135.6	1129.8
15°	1206.5	1211.2	1209.9	1200.7	1190.3	1174.0	1162.4	1147.3	1132.2	1122.9	1117.1
17.5°	1218.1	1220.4	1217.0	1204.1	1192.5	1177.5	1165.9	1149.6	1132.2	1120.6	1110.2
20°	1235.5	1233.3	1225.1	1208.8	1196.1	1182.2	1172.8	1158.9	1139.2	1124.0	1109.0
22.5°	1261.1	1251.8	1236.7	1219.3	1206.5	1193.8	1184.5	1169.3	1149.6	1131.0	1113.6
25°	1294.8	1276.2	1255.3	1236.7	1225.1	1211.2	1200.7	1184.5	1163.5	1142.7	1121.8
27.5°	1343.5	1311.0	1284.4	1268.1	1255.3	1237.8	1225.1	1204.1	1182.2	1157.7	1134.5
30°	1398.1	1354.0	1328.4	1315.6	1301.8	1283.1	1263.4	1236.7	1211.2	1184.5	1156.6
32.5°	1468.9	1415.5	1391.2	1378.3	1359.8	1336.6	1313.4	1283.1	1247.2	1212.3	1178.7
35°	1561.9	1507.3	1481.8	1462.0	1436.5	1406.2	1372.5	1331.9	1283.1	1236.7	1193.8
37.5°	1661.8	1602.5	1578.1	1557.2	1518.9	1479.4	1431.8	1372.5	1306.4	1244.9	1191.4
40°	1788.3	1733.7	1702.4	1666.3	1621.0	1552.5	1478.2	1392.3	1307.6	1232.0	1169.3
42.5°	1948.5	1894.0	1847.5	1790.6	1711.6	1606.0	1500.3	1388.8	1286.6	1200.7	1133.4
45°	2161.0	2094.8	2014.7	1914.8	1787.2	1639.7	1501.5	1366.7	1247.2	1151.9	1079.9
47.5°	2421.1	2320.1	2188.9	2020.5	1837.1	1648.9	1482.9	1322.6	1185.6	1082.3	1002.2
50°	2730.1	2571.0	2354.9	2107.7	1862.6	1635.0	1436.5	1256.5	1098.5	988.2	893.0
52.5°	3083.0	2822.9	2504.8	2170.4	1861.5	1588.6	1357.5	1156.6	984.8	861.7	771.1
55°	3497.6	3110.9	2659.2	2216.8	1828.9	1502.6	1236.7	1016.1	844.2	730.4	646.8
57.5°	4105.0	3577.7	2928.6	2288.8	1763.9	1370.3	1073.0	847.7	696.7	588.7	517.9
60°	5215.0	4356.9	3414.0	2433.9	1664.0	1176.4	881.3	667.7	541.1	454.0	406.4
62.5°	6051.2	4959.6	3676.5	2401.5	1463.1	937.1	653.8	486.5	398.3	339.1	308.9
65°	5931.5	4772.6	3396.6	2068.2	1147.3	660.7	434.3	331.0	274.1	246.2	228.8
66°	5660.9	4528.8	3153.9	1861.5	991.7	549.2	357.6	277.5	235.8	216.0	204.4
67.5°	5147.7	4075.9	2719.6	1525.8	761.8	398.3	269.4	219.5	191.6	183.5	175.3
70°	4279.1	3250.3	1909.0	888.3	389.0	221.8	170.7	153.3	146.3	145.2	142.8
72.5°	3279.3	2300.4	1124.0	420.4	202.1	147.5	132.3	126.5	124.2	124.2	125.4
75°	2010.1	1292.4	497.0	205.5	141.7	124.2	117.3	114.9	113.8	114.9	113.8
77.5°	671.2	411.1	212.5	155.6	128.9	114.9	110.4	108.0	108.0	108.0	108.0
80°	205.5	178.9	162.6	144.0	122.0	109.1	102.2	101.0	102.2	103.3	99.9
82.5°	154.4	146.3	137.0	127.8	110.4	97.5	95.2	95.2	95.2	91.7	87.0
85°	113.8	112.6	92.8	87.0	81.2	81.2	81.2	81.2	77.8	72.0	67.4
87.5°	20.9	19.7	20.9	22.1	32.5	34.8	34.8	37.2	40.6	38.3	38.3
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):

	160°	165°	170°	175°	180°
0°	1157.7	1157.7	1157.7	1157.7	1157.7
2.5°	1162.4	1161.2	1164.7	1162.4	1163.5
5°	1172.8	1171.7	1174.0	1171.7	1175.1
7.5°	1169.3	1167.0	1165.9	1167.0	1168.2
10°	1145.0	1142.7	1141.5	1140.3	1141.5
12.5°	1124.0	1119.4	1119.4	1117.1	1118.2
15°	1109.0	1105.5	1104.4	1102.0	1103.2
17.5°	1102.0	1096.2	1093.9	1091.5	1091.5
20°	1097.4	1090.4	1086.9	1084.6	1083.4
22.5°	1097.4	1086.9	1082.3	1079.9	1078.8
25°	1102.0	1089.2	1082.3	1078.8	1077.6
27.5°	1111.3	1095.0	1086.9	1082.3	1082.3
30°	1127.6	1106.6	1095.0	1089.2	1088.1
32.5°	1143.8	1116.0	1099.7	1092.7	1090.4
35°	1151.9	1116.0	1096.2	1084.6	1082.3
37.5°	1142.7	1100.8	1076.5	1059.1	1055.5
40°	1113.6	1069.5	1042.8	1026.5	1024.2
42.5°	1075.3	1032.3	1000.9	989.3	985.9
45°	1023.0	971.9	940.6	924.4	925.5
47.5°	933.6	881.3	853.5	838.4	840.7
50°	828.0	776.9	752.4	736.2	739.7
52.5°	711.8	665.4	642.2	634.0	631.7
55°	589.9	553.9	537.6	528.4	524.9
57.5°	478.4	452.8	441.2	429.6	430.8
60°	377.4	364.7	361.1	348.4	347.3
62.5°	297.3	289.1	285.7	276.4	277.5
65°	225.3	223.0	225.3	219.5	221.8
66°	203.2	204.4	204.4	200.9	203.2
67.5°	175.3	177.6	181.1	177.6	180.0
70°	145.2	147.5	149.8	149.8	149.8
72.5°	126.5	128.9	130.1	130.1	130.1
75°	116.2	117.3	118.4	116.2	116.2
77.5°	109.1	109.1	106.8	105.7	104.6
80°	98.7	97.5	94.1	91.7	91.7
82.5°	82.5	80.1	77.8	74.3	74.3
85°	62.7	60.4	58.0	53.4	51.1
87.5°	32.5	33.7	32.5	26.7	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)