

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: P181463

Luminaire Tested: **ICM-F05-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181463
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: ICM-F05-LED-E1-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10815.2 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
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

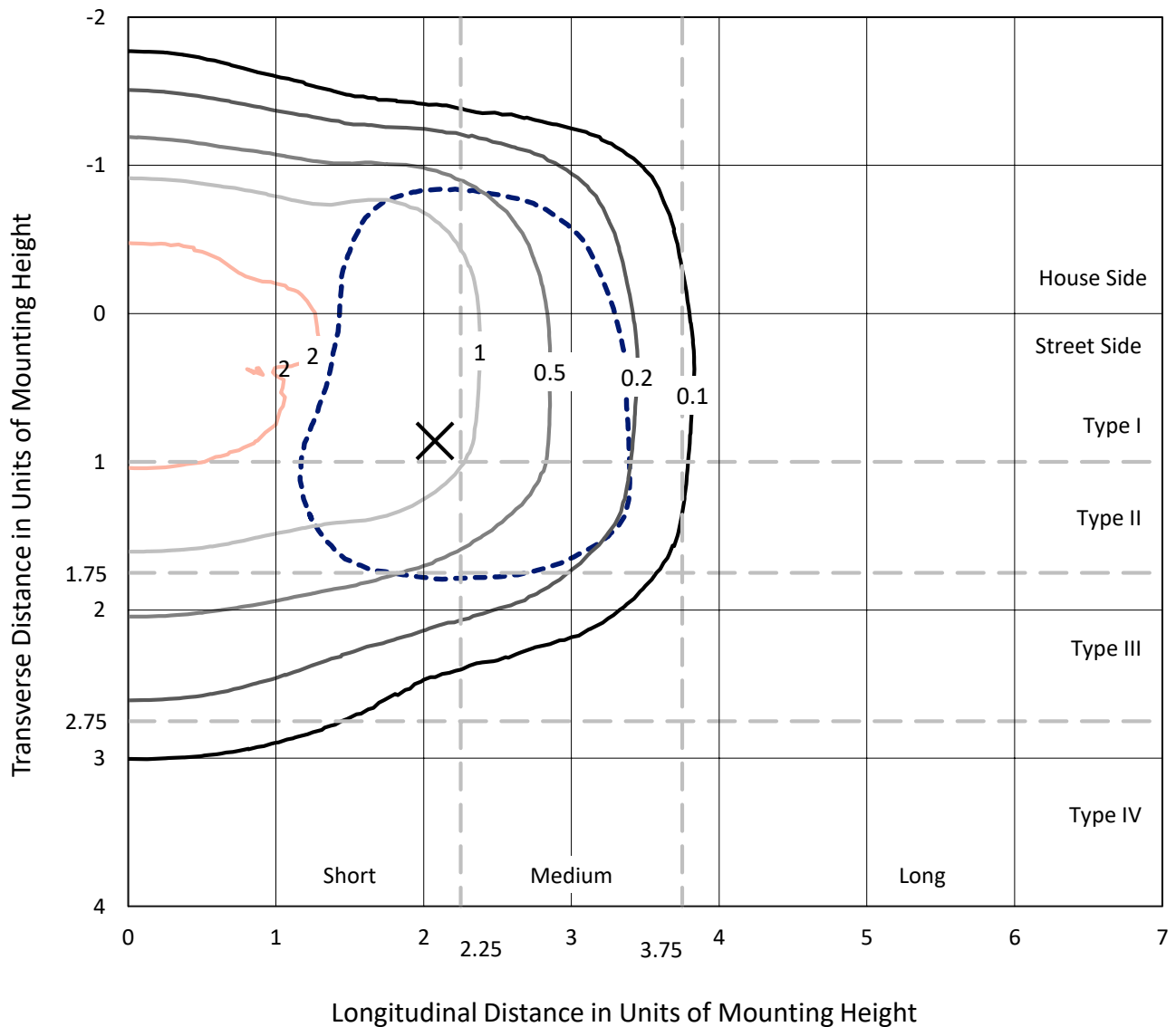


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

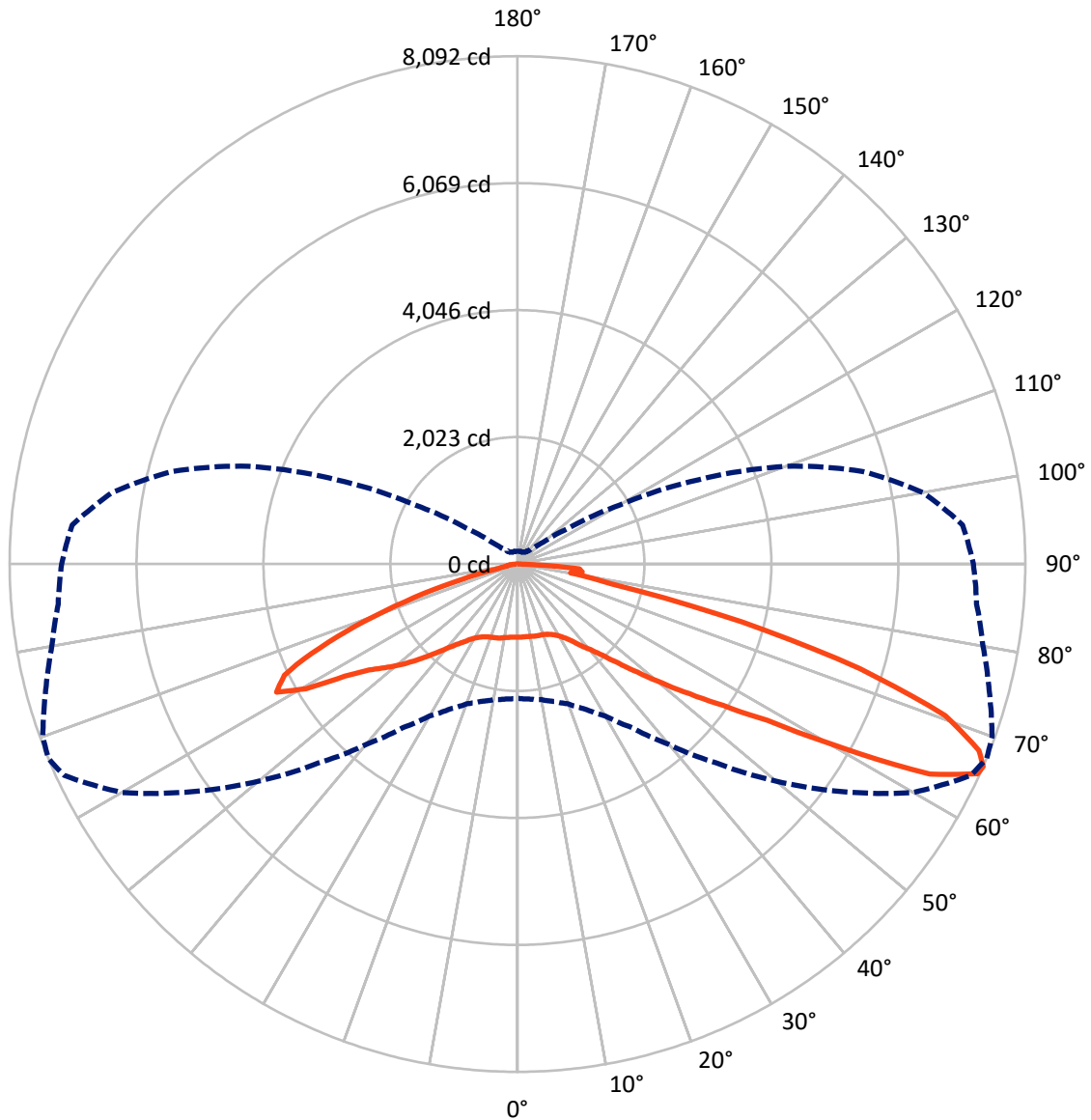


Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3734.8	0.0	3734.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	7080.4	0.0	7080.4
	% Fixture	65.5	0.0	65.5
Total	Lumens	10815.2	0.0	10815.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	1.0
10°-20°	329.4	3.0
20°-30°	566.2	5.2
30°-40°	919.4	8.5
40°-50°	1534.9	14.2
50°-60°	2416.9	22.3
60°-70°	3295.7	30.5
70°-80°	1426.7	13.2
80°-90°	214.5	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°	10815.2	100.0
0°-180°	10815.2	100.0



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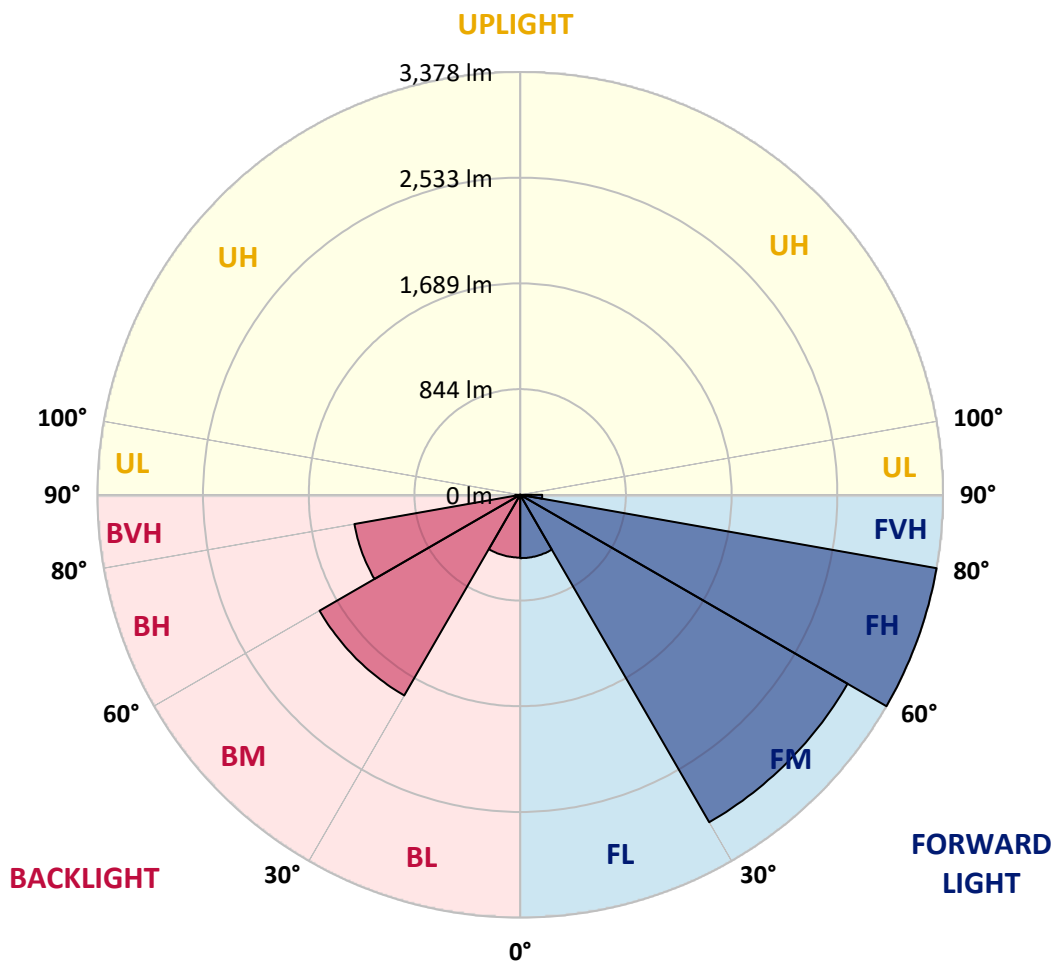
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	506.0	4.7			
FM	(30°-60°)	3020.3	27.9			
FH	(60°-80°)	3378.0	31.2			G2/5000
FVH	(80°-90°)	176.1	1.6			G2/225
BL	(0°-30°)	501.3	4.6	B2/1000		
BM	(30°-60°)	1850.8	17.1	B2/2500		
BH	(60°-80°)	1344.4	12.4	B3/2500		G3/2500
BVH	(80°-90°)	38.4	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°	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5
2.5°	1170.1	1174.8	1170.1	1171.4	1172.5	1171.4	1170.1	1170.1	1166.6	1169.0	1171.4
5°	1165.5	1169.0	1167.8	1169.0	1170.1	1169.0	1167.8	1169.0	1166.6	1167.8	1171.4
7.5°	1159.6	1158.4	1159.6	1162.0	1164.3	1164.3	1164.3	1165.5	1164.3	1164.3	1167.8
10°	1142.1	1143.3	1145.6	1149.1	1150.2	1153.8	1153.8	1157.3	1158.4	1160.8	1165.5
12.5°	1119.9	1121.0	1123.4	1125.8	1131.5	1137.4	1137.4	1145.6	1149.1	1155.0	1163.2
15°	1103.5	1104.7	1107.1	1109.4	1114.1	1119.9	1123.4	1132.8	1138.6	1149.1	1160.8
17.5°	1112.8	1111.7	1114.1	1115.2	1115.2	1119.9	1119.9	1126.9	1134.0	1143.3	1158.4
20°	1139.7	1139.7	1142.1	1142.1	1140.9	1143.3	1138.6	1138.6	1139.7	1144.5	1155.0
22.5°	1166.6	1165.5	1170.1	1172.5	1173.7	1177.2	1172.5	1171.4	1165.5	1162.0	1165.5
25°	1192.4	1191.2	1197.0	1200.6	1206.4	1209.9	1209.9	1209.9	1205.2	1199.4	1195.9
27.5°	1232.1	1232.1	1238.0	1241.5	1246.1	1253.1	1256.7	1256.7	1257.9	1249.7	1243.8
30°	1298.7	1299.9	1301.1	1305.8	1310.4	1312.8	1317.5	1320.9	1324.5	1319.8	1310.4
32.5°	1378.2	1371.3	1371.3	1378.2	1384.1	1391.1	1393.4	1398.1	1405.1	1401.6	1400.5
35°	1472.9	1470.6	1468.3	1470.6	1477.6	1485.8	1495.2	1503.4	1498.6	1505.7	1502.1
37.5°	1613.2	1615.5	1616.8	1616.8	1615.5	1617.9	1622.5	1630.7	1628.4	1630.7	1635.5
40°	1844.7	1836.5	1828.3	1829.5	1817.8	1820.1	1801.4	1809.6	1810.8	1802.6	1806.1
42.5°	2076.1	2080.8	2084.3	2093.7	2085.5	2080.8	2063.3	2063.3	2053.9	2045.7	2043.4
45°	2326.2	2335.6	2336.9	2355.5	2348.5	2363.7	2376.6	2373.0	2357.9	2356.7	2340.3
47.5°	2526.2	2541.4	2557.8	2579.9	2597.5	2631.4	2671.2	2691.0	2702.7	2712.0	2693.3
50°	2675.8	2682.8	2724.9	2760.0	2798.5	2854.7	2909.6	2980.9	3038.2	3065.1	3090.8
52.5°	2756.5	2774.0	2819.6	2874.5	2942.3	3026.5	3115.4	3228.8	3326.9	3392.4	3450.8
55°	2774.0	2791.6	2843.0	2913.1	3005.5	3118.9	3246.3	3400.6	3547.9	3674.2	3796.9
57.5°	2724.9	2744.8	2799.7	2880.4	2989.1	3127.1	3287.2	3489.4	3692.9	3897.4	4078.6
60°	2634.9	2659.5	2709.7	2789.2	2909.6	3065.1	3256.8	3510.4	3795.7	4109.0	4456.2
62.5°	2486.4	2512.2	2558.9	2646.6	2770.5	2942.3	3164.5	3480.1	3883.4	4376.7	4992.8
65°	2247.9	2259.6	2316.9	2405.8	2515.6	2705.0	2949.3	3330.4	3855.4	4541.5	5390.2
66°	2140.4	2160.3	2195.4	2266.7	2371.9	2549.6	2795.1	3182.0	3749.0	4484.2	5379.7
67.5°	1972.1	1987.3	2010.6	2058.6	2122.9	2253.8	2486.4	2852.3	3423.9	4194.4	5156.4
70°	1594.5	1601.5	1633.0	1649.4	1671.6	1714.9	1799.1	2009.5	2454.9	3178.4	4161.6
72.5°	1087.2	1107.1	1140.9	1187.7	1248.5	1306.9	1346.7	1373.6	1469.4	1896.1	2772.9
75°	797.2	818.3	861.6	923.5	1029.9	1151.4	1277.7	1336.2	1296.4	1241.5	1544.2
77.5°	462.9	491.0	527.3	586.8	685.0	846.3	1062.6	1254.3	1384.1	1392.3	1322.1
80°	195.3	198.7	220.9	251.4	312.1	425.5	593.9	869.8	1157.3	1351.4	1396.9
82.5°	44.5	55.0	70.1	83.0	101.7	140.3	208.1	346.0	625.4	980.8	1278.9
85°	16.4	16.4	22.2	32.7	37.4	42.0	55.0	87.6	149.7	275.9	575.2
87.5°	0.0	1.2	2.3	2.3	4.7	5.9	9.4	12.8	11.7	10.5	35.1
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5
2.5°	1169.0	1167.8	1165.5	1165.5	1165.5	1165.5	1163.2	1164.3	1162.0	1163.2	1163.2
5°	1167.8	1167.8	1166.6	1164.3	1165.5	1165.5	1166.6	1164.3	1164.3	1165.5	1164.3
7.5°	1167.8	1166.6	1166.6	1166.6	1167.8	1166.6	1167.8	1167.8	1167.8	1169.0	1169.0
10°	1167.8	1167.8	1170.1	1171.4	1171.4	1172.5	1176.0	1176.0	1177.2	1178.3	1180.7
12.5°	1169.0	1173.7	1177.2	1180.7	1181.9	1184.2	1190.1	1190.1	1192.4	1195.9	1197.0
15°	1170.1	1177.2	1184.2	1186.5	1188.8	1193.5	1199.4	1201.7	1205.2	1208.8	1211.1
17.5°	1169.0	1178.3	1186.5	1190.1	1193.5	1199.4	1206.4	1208.8	1213.4	1218.1	1222.8
20°	1167.8	1180.7	1193.5	1198.2	1202.9	1211.1	1220.4	1226.2	1231.0	1238.0	1242.6
22.5°	1174.8	1190.1	1207.5	1214.6	1222.8	1233.3	1246.1	1253.1	1259.0	1266.1	1269.5
25°	1197.0	1208.8	1229.8	1241.5	1252.0	1269.5	1287.1	1295.3	1302.2	1308.1	1309.3
27.5°	1234.4	1238.0	1263.6	1278.9	1294.1	1322.1	1343.2	1349.0	1361.9	1366.5	1365.4
30°	1295.3	1289.4	1310.4	1333.8	1356.0	1394.6	1420.3	1435.5	1447.2	1447.2	1437.9
32.5°	1382.9	1373.6	1379.5	1406.3	1432.0	1488.1	1518.5	1538.4	1546.6	1544.2	1524.4
35°	1497.5	1491.6	1488.1	1509.1	1550.1	1615.5	1655.3	1665.8	1678.7	1676.3	1650.6
37.5°	1633.0	1628.4	1628.4	1652.9	1692.7	1789.7	1832.9	1840.0	1838.8	1820.1	1772.2
40°	1793.2	1790.9	1780.4	1794.4	1828.3	1954.5	2013.0	2022.3	2009.5	1979.1	1923.0
42.5°	2023.5	2009.5	1976.8	1984.9	2010.6	2133.4	2209.4	2235.1	2222.2	2191.8	2100.7
45°	2323.9	2308.8	2253.8	2246.8	2260.9	2368.4	2466.5	2472.4	2470.1	2431.5	2323.9
47.5°	2676.9	2653.6	2595.2	2576.5	2571.7	2671.2	2765.8	2775.2	2769.3	2712.0	2568.3
50°	3059.3	3025.3	2986.8	2973.9	2955.2	3026.5	3122.3	3123.6	3100.2	3020.7	2886.3
52.5°	3467.2	3455.6	3448.5	3435.6	3427.5	3489.4	3547.9	3512.9	3477.8	3394.7	3277.9
55°	3878.7	3926.6	3975.7	3980.4	3994.4	4061.0	4059.9	3964.0	3938.3	3892.8	3777.0
57.5°	4315.9	4493.6	4647.9	4695.8	4742.6	4866.5	4854.8	4760.1	4727.4	4671.3	4575.5
60°	4910.9	5390.2	5835.6	5942.0	6015.7	6164.0	6150.1	6003.9	6071.8	6067.0	5943.1
62.5°	5744.4	6541.6	7209.2	7372.8	7424.2	7440.6	7351.8	7194.0	7260.6	7335.4	6954.3
65°	6309.1	7246.6	7931.6	8057.8	8064.9	7869.6	7672.0	7486.2	7469.8	7405.5	6860.8
66°	6321.9	7281.6	7969.0	8091.8	8048.5	7782.0	7531.8	7344.8	7264.1	7122.6	6558.0
67.5°	6095.1	7063.0	7803.0	7932.8	7838.1	7460.5	7115.7	6874.8	6717.0	6487.9	5989.9
70°	5119.0	6078.7	6990.6	7232.5	7262.9	6699.5	6221.3	5938.5	5725.7	5411.3	4982.3
72.5°	3806.3	4673.6	5477.9	5709.3	5827.4	5377.3	4974.1	4758.9	4467.8	4137.0	3831.9
75°	2385.9	2998.4	3537.3	3699.8	3588.8	3240.4	2998.4	2908.5	2622.1	2424.5	2285.4
77.5°	1364.2	1555.9	1599.2	1537.2	1406.3	1076.7	765.7	567.0	492.2	544.7	600.8
80°	1331.5	1220.4	972.6	855.7	775.1	533.0	313.3	215.1	178.9	183.5	198.7
82.5°	1442.5	1547.7	1274.2	1039.3	872.1	589.2	325.0	173.0	116.9	138.0	155.4
85°	937.5	1304.6	1174.8	990.1	802.0	503.8	267.7	90.0	59.6	78.3	107.5
87.5°	94.7	104.0	88.8	120.4	90.0	42.0	21.0	12.8	11.7	14.0	21.0
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°	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5
2.5°	1164.3	1164.3	1165.5	1166.6	1167.8	1169.0	1169.0	1169.0	1169.0	1171.4	1170.1
5°	1166.6	1169.0	1171.4	1172.5	1174.8	1174.8	1178.3	1177.2	1177.2	1180.7	1181.9
7.5°	1171.4	1174.8	1179.5	1178.3	1183.0	1181.9	1184.2	1184.2	1180.7	1181.9	1179.5
10°	1181.9	1186.5	1188.8	1185.3	1186.5	1181.9	1180.7	1174.8	1167.8	1164.3	1159.6
12.5°	1199.4	1204.1	1204.1	1198.2	1191.2	1180.7	1172.5	1159.6	1149.1	1143.3	1137.4
15°	1214.6	1219.3	1218.1	1208.8	1198.2	1181.9	1170.1	1155.0	1139.7	1130.4	1124.6
17.5°	1226.2	1228.6	1225.1	1212.3	1200.6	1185.3	1173.7	1157.3	1139.7	1128.1	1117.6
20°	1243.8	1241.5	1233.3	1216.9	1204.1	1190.1	1180.7	1166.6	1146.8	1131.5	1116.4
22.5°	1269.5	1260.2	1244.9	1227.4	1214.6	1201.7	1192.4	1177.2	1157.3	1138.6	1121.0
25°	1303.4	1284.8	1263.6	1244.9	1233.3	1219.3	1208.8	1192.4	1171.4	1150.2	1129.2
27.5°	1352.6	1319.8	1292.9	1276.6	1263.6	1246.1	1233.3	1212.3	1190.1	1165.5	1142.1
30°	1407.5	1363.1	1337.3	1324.5	1310.4	1291.7	1271.8	1244.9	1219.3	1192.4	1164.3
32.5°	1478.8	1425.0	1400.5	1387.6	1368.8	1345.5	1322.1	1291.7	1255.4	1220.4	1186.5
35°	1572.3	1517.3	1491.6	1471.7	1446.1	1415.6	1381.8	1340.8	1291.7	1244.9	1201.7
37.5°	1672.8	1613.2	1588.7	1567.6	1529.0	1489.3	1441.4	1381.8	1315.1	1253.1	1199.4
40°	1800.2	1745.3	1713.8	1677.5	1631.9	1562.9	1488.1	1401.6	1316.3	1240.3	1177.2
42.5°	1961.6	1906.6	1859.8	1802.6	1723.1	1616.8	1510.3	1398.1	1295.3	1208.8	1140.9
45°	2175.5	2108.9	2028.2	1927.6	1799.1	1650.6	1511.5	1375.9	1255.4	1159.6	1087.2
47.5°	2437.3	2335.6	2203.5	2034.1	1849.3	1660.0	1492.8	1331.5	1193.5	1089.5	1008.8
50°	2748.3	2588.1	2370.7	2121.7	1875.1	1646.0	1446.1	1264.8	1105.9	994.8	899.0
52.5°	3103.6	2841.8	2521.5	2184.9	1873.9	1599.2	1366.5	1164.3	991.3	867.4	776.2
55°	3521.0	3131.7	2676.9	2231.6	1841.1	1512.7	1244.9	1022.9	849.9	735.3	651.2
57.5°	4132.4	3601.7	2948.2	2304.1	1775.7	1379.5	1080.1	853.4	701.4	592.7	521.4
60°	5249.9	4386.1	3436.9	2450.2	1675.2	1184.2	887.3	672.2	544.7	457.1	409.1
62.5°	6091.6	4992.8	3701.0	2417.5	1472.9	943.4	658.1	489.8	400.9	341.3	311.0
65°	5971.2	4804.6	3419.3	2082.0	1155.0	665.1	437.2	333.1	275.9	247.8	230.3
66°	5698.8	4559.1	3175.0	1873.9	998.3	552.9	360.0	279.4	237.3	217.4	205.8
67.5°	5182.2	4103.2	2737.8	1536.0	766.9	400.9	271.2	220.9	192.8	184.7	176.6
70°	4307.7	3272.0	1921.8	894.2	391.6	223.3	171.8	154.3	147.3	146.1	143.8
72.5°	3301.2	2315.7	1131.5	423.2	203.4	148.5	133.3	127.4	125.1	125.1	126.2
75°	2023.5	1301.1	500.3	206.9	142.6	125.1	118.0	115.7	114.6	115.7	114.6
77.5°	675.6	413.9	214.0	156.7	129.8	115.7	111.1	108.7	108.7	108.7	108.7
80°	206.9	180.0	163.6	144.9	122.7	109.9	102.9	101.7	102.9	104.0	100.6
82.5°	155.4	147.3	138.0	128.6	111.1	98.2	95.8	95.8	95.8	92.4	87.6
85°	114.6	113.4	93.5	87.6	81.9	81.9	81.9	81.9	78.3	72.5	67.8
87.5°	21.0	19.9	21.0	22.2	32.7	35.1	35.1	37.4	40.9	38.6	38.6
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):

	160°	165°	170°	175°	180°
0°	1165.5	1165.5	1165.5	1165.5	1165.5
2.5°	1170.1	1169.0	1172.5	1170.1	1171.4
5°	1180.7	1179.5	1181.9	1179.5	1183.0
7.5°	1177.2	1174.8	1173.7	1174.8	1176.0
10°	1152.7	1150.2	1149.1	1147.9	1149.1
12.5°	1131.5	1126.9	1126.9	1124.6	1125.8
15°	1116.4	1112.8	1111.7	1109.4	1110.5
17.5°	1109.4	1103.5	1101.2	1098.9	1098.9
20°	1104.7	1097.7	1094.1	1091.8	1090.7
22.5°	1104.7	1094.1	1089.5	1087.2	1086.0
25°	1109.4	1096.5	1089.5	1086.0	1084.8
27.5°	1118.7	1102.3	1094.1	1089.5	1089.5
30°	1135.1	1114.1	1102.3	1096.5	1095.4
32.5°	1151.4	1123.4	1107.1	1100.0	1097.7
35°	1159.6	1123.4	1103.5	1091.8	1089.5
37.5°	1150.2	1108.2	1083.6	1066.1	1062.6
40°	1121.0	1076.7	1049.8	1033.4	1031.1
42.5°	1082.5	1039.3	1007.6	996.0	992.5
45°	1029.9	978.4	946.9	930.5	931.7
47.5°	939.9	887.3	859.2	844.0	846.3
50°	833.5	782.1	757.5	741.1	744.7
52.5°	716.6	669.9	646.4	638.2	635.9
55°	593.9	557.6	541.2	531.9	528.4
57.5°	481.6	455.9	444.2	432.6	433.7
60°	379.9	367.1	363.5	350.7	349.5
62.5°	299.3	291.1	287.5	278.2	279.4
65°	226.8	224.5	226.8	220.9	223.3
66°	204.6	205.8	205.8	202.2	204.6
67.5°	176.6	178.9	182.3	178.9	181.2
70°	146.1	148.5	150.8	150.8	150.8
72.5°	127.4	129.8	130.9	130.9	130.9
75°	116.9	118.0	119.3	116.9	116.9
77.5°	109.9	109.9	107.5	106.4	105.2
80°	99.3	98.2	94.7	92.4	92.4
82.5°	83.0	80.7	78.3	74.8	74.8
85°	63.2	60.7	58.4	53.8	51.4
87.5°	32.7	33.9	32.7	26.9	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)