

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: P181638

Luminaire Tested: **ICM-E03-LED-E1-T4-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181638  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E03-LED-E1-T4-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7702.9 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - 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

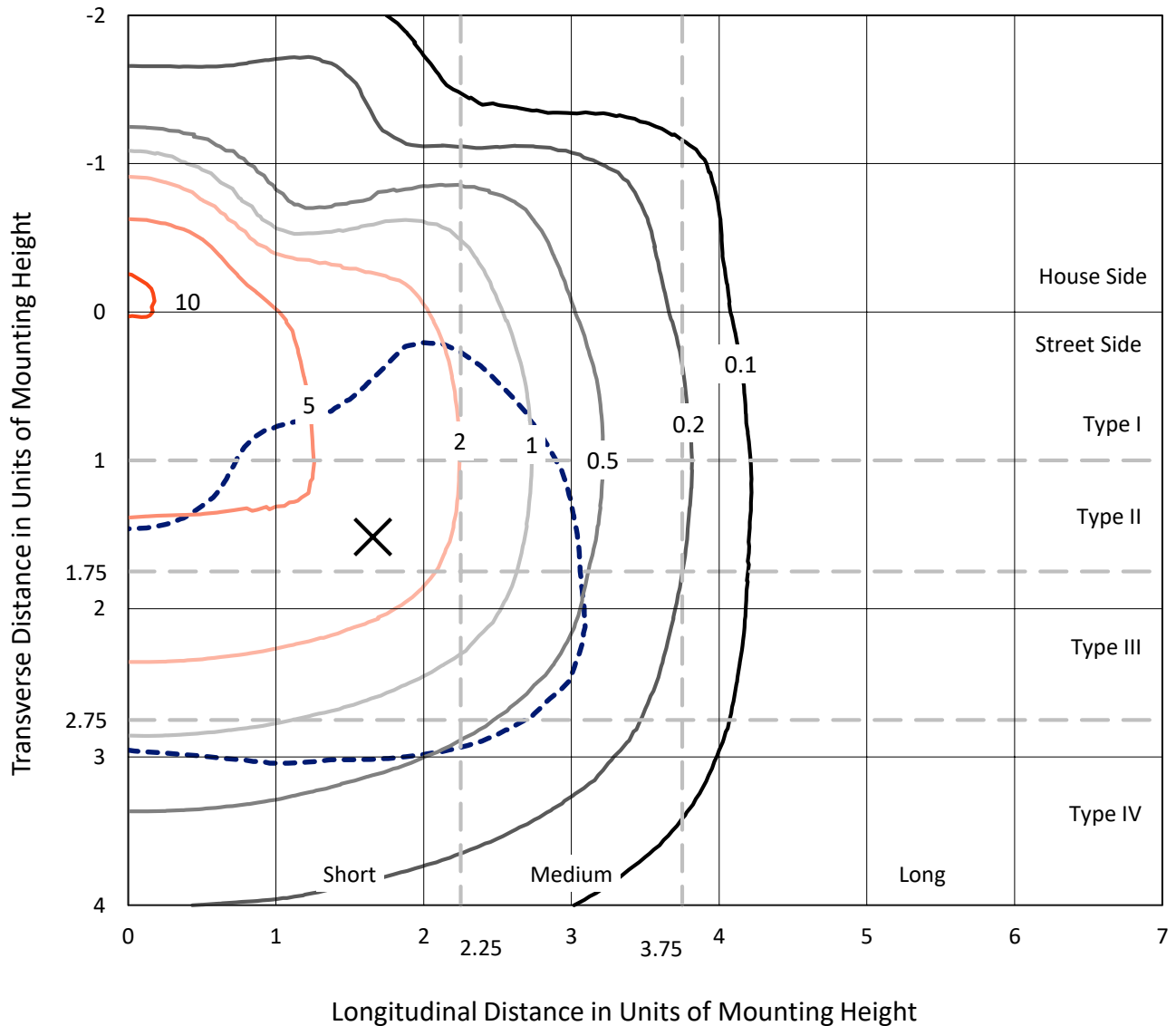


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

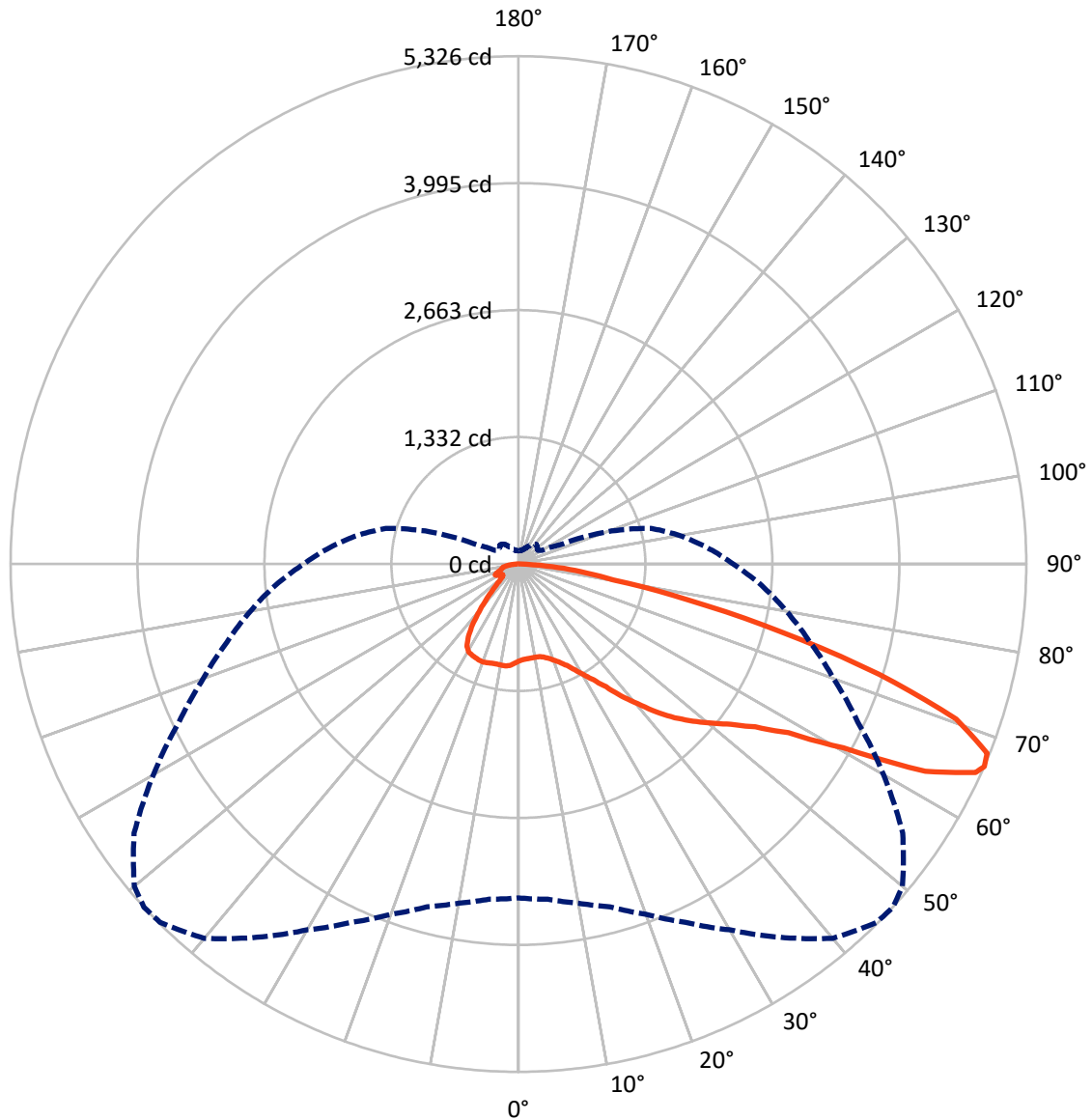


Based on 10 foot mounting height. Maximum calculated value = 10.6 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1643.6	0.0	1643.6
	% Fixture	21.3	0.0	21.3
<b>Street Side</b>	Lumens	6059.3	0.0	6059.3
	% Fixture	78.7	0.0	78.7
<b>Total</b>	Lumens	7702.9	0.0	7702.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.6	1.3
10°-20°	299.3	3.9
20°-30°	515.6	6.7
30°-40°	780.1	10.1
40°-50°	1011.1	13.1
50°-60°	1394.0	18.1
60°-70°	2165.7	28.1
70°-80°	1259.4	16.3
80°-90°	179.1	2.3
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°	7702.9	100.0
0°-180°	7702.9	100.0



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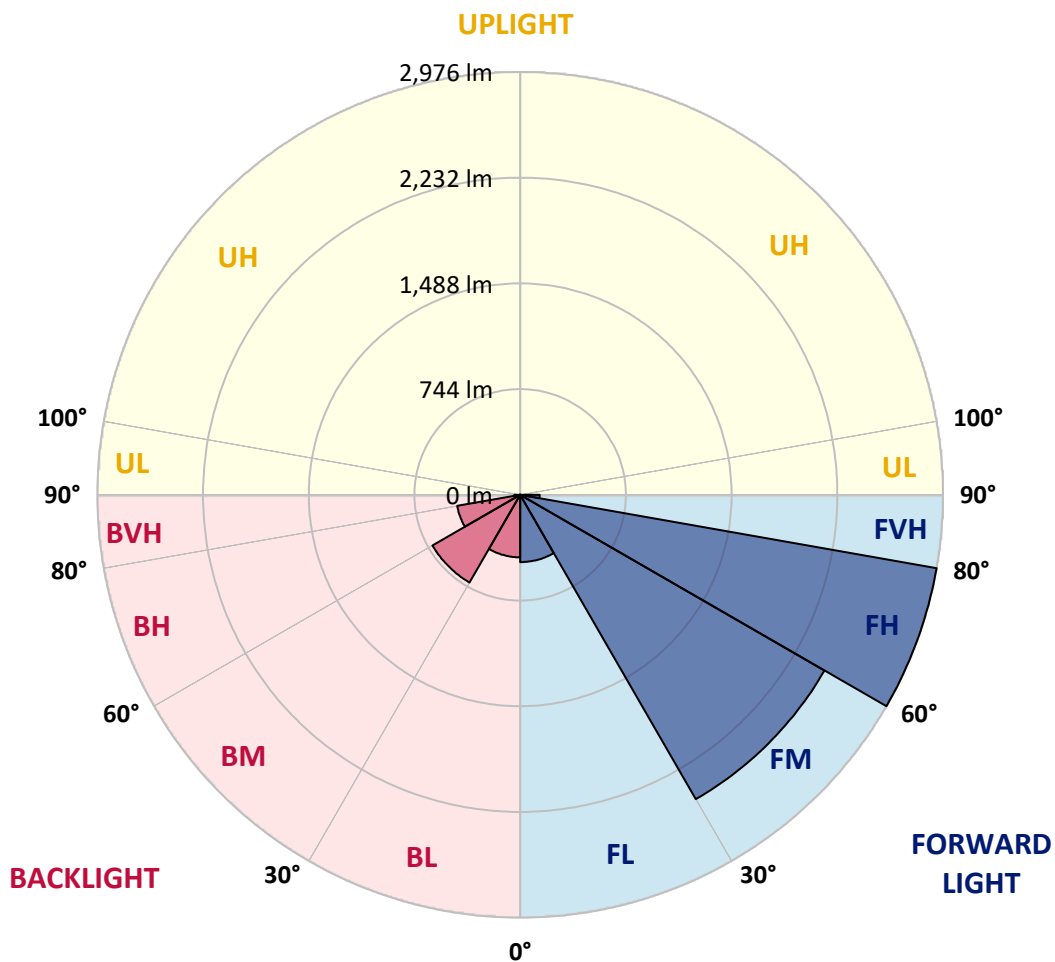
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.6	6.1			
FM (30°-60°)	2472.6	32.1			
FH (60°-80°)	2975.6	38.6			G2/5000
FVH (80°-90°)	137.4	1.8			G2/225
BL (0°-30°)	439.9	5.7	B1/500		
BM (30°-60°)	712.5	9.2	B1/1000		
BH (60°-80°)	449.5	5.8	B1/500		G1/500
BVH (80°-90°)	41.6	0.5			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4
2.5°	996.7	1000.0	997.5	998.3	998.3	999.2	999.2	1000.0	999.2	1001.7	1003.4
5°	978.8	980.5	979.6	981.3	983.0	986.4	985.6	989.9	990.7	993.2	997.5
7.5°	972.0	970.2	971.2	973.7	975.4	977.1	978.8	982.1	984.8	990.7	994.1
10°	978.8	978.0	978.8	980.5	980.5	981.3	979.6	983.0	984.8	989.9	993.2
12.5°	1006.8	1006.8	1005.1	1005.1	1003.4	1001.7	997.5	994.9	994.1	994.9	996.7
15°	1051.8	1050.1	1046.7	1044.2	1040.8	1034.9	1028.9	1023.8	1020.4	1015.4	1013.6
17.5°	1096.0	1093.5	1090.1	1086.7	1082.4	1076.5	1067.2	1061.2	1051.8	1045.9	1042.5
20°	1147.0	1141.9	1137.7	1133.4	1124.9	1123.2	1113.9	1103.6	1092.7	1079.1	1077.3
22.5°	1213.3	1204.8	1199.7	1197.1	1188.7	1186.1	1170.8	1156.4	1142.8	1124.9	1120.7
25°	1280.4	1271.9	1269.3	1266.0	1260.0	1256.6	1242.1	1226.1	1208.2	1183.5	1178.4
27.5°	1345.8	1346.7	1339.9	1342.4	1340.8	1334.8	1320.3	1304.2	1290.6	1261.7	1255.7
30°	1427.4	1422.2	1418.9	1424.0	1418.1	1418.9	1406.1	1397.7	1375.5	1358.5	1346.7
32.5°	1512.4	1511.5	1516.6	1520.0	1519.2	1517.4	1507.3	1498.8	1479.2	1454.6	1449.5
35°	1628.8	1633.9	1638.1	1653.4	1653.4	1664.5	1654.2	1644.0	1621.1	1591.4	1581.1
37.5°	1707.7	1709.5	1726.4	1746.8	1772.3	1796.1	1802.9	1805.5	1796.1	1774.1	1758.7
40°	1780.0	1783.4	1810.5	1842.0	1879.4	1926.2	1954.2	1966.9	1969.4	1959.3	1926.2
42.5°	1852.2	1857.3	1885.3	1931.2	1983.1	2042.5	2091.8	2123.3	2141.0	2141.0	2121.5
45°	1936.3	1943.1	1973.7	2023.8	2084.1	2158.9	2226.9	2287.2	2316.1	2317.8	2299.1
47.5°	2035.7	2041.7	2077.3	2128.3	2190.3	2266.0	2351.8	2420.6	2474.2	2477.5	2462.2
50°	2164.0	2172.5	2202.2	2248.1	2311.8	2388.3	2474.2	2570.2	2626.2	2639.8	2623.6
52.5°	2334.0	2335.6	2360.3	2402.8	2464.8	2537.9	2628.8	2733.2	2807.2	2818.2	2791.9
55°	2568.5	2565.9	2582.1	2627.9	2674.6	2731.6	2825.9	2943.1	3025.5	3042.5	3015.4
57.5°	2887.1	2884.5	2898.1	2909.1	2996.7	3051.9	3144.5	3256.7	3336.5	3385.8	3339.1
60°	3380.7	3378.2	3400.2	3464.8	3530.3	3610.9	3701.0	3835.3	3947.4	3961.9	3915.9
62.5°	3738.3	3751.1	3799.6	3875.2	4007.7	4165.8	4330.5	4507.3	4737.5	4810.6	4788.5
65°	3613.5	3639.0	3706.1	3820.8	3997.5	4215.8	4474.2	4794.4	5102.9	5275.4	5270.3
66°	3501.3	3529.4	3611.8	3722.3	3909.1	4147.9	4430.0	4779.2	5124.1	5314.5	5326.4
67.5°	3297.4	3328.9	3409.6	3540.4	3722.3	3976.3	4279.6	4659.4	5049.3	5271.1	5302.5
70°	2900.7	2936.3	2995.0	3102.9	3282.2	3509.0	3828.5	4168.3	4577.0	4831.0	4869.2
72.5°	2424.9	2456.3	2521.7	2610.1	2757.0	2899.8	3150.4	3401.0	3693.3	3983.1	3955.0
75°	1740.9	1754.5	1793.6	1889.6	1968.6	2096.9	2298.2	2503.8	2703.6	2836.1	2854.8
77.5°	904.8	940.6	995.7	1102.0	1187.8	1303.4	1434.1	1588.8	1735.0	1856.5	1823.3
80°	592.2	607.4	656.7	711.2	774.1	847.9	935.4	993.2	1011.9	1004.3	1011.9
82.5°	341.6	369.6	435.0	476.7	523.4	548.8	618.5	684.8	722.1	675.4	658.4
85°	43.3	56.1	176.7	222.6	254.9	293.1	314.3	354.3	330.5	295.6	360.3
87.5°	9.3	8.5	11.9	25.5	26.3	22.0	41.7	44.2	27.2	13.6	17.0
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4
2.5°	1005.1	1006.0	1007.6	1010.2	1011.9	1013.6	1015.4	1017.9	1019.5	1021.2	1024.7
5°	1000.8	1004.3	1007.6	1011.1	1015.4	1022.1	1026.3	1029.8	1033.1	1039.9	1042.5
7.5°	998.3	1004.3	1009.4	1015.4	1022.1	1028.1	1035.7	1039.9	1045.0	1049.3	1054.4
10°	996.7	1005.1	1010.2	1018.7	1026.3	1032.3	1040.8	1045.9	1051.8	1056.9	1059.4
12.5°	1000.0	1004.3	1009.4	1017.9	1027.2	1035.7	1045.0	1049.3	1054.4	1058.6	1059.4
15°	1014.4	1014.4	1015.4	1022.1	1031.4	1038.2	1045.9	1050.1	1052.7	1055.3	1055.3
17.5°	1040.8	1034.9	1030.6	1031.4	1037.4	1041.7	1045.9	1045.9	1044.2	1043.4	1041.7
20°	1071.4	1063.7	1055.3	1049.3	1047.6	1044.2	1041.7	1033.1	1026.3	1020.4	1016.2
22.5°	1115.5	1103.6	1091.8	1080.8	1070.5	1057.8	1043.4	1026.3	1010.2	999.2	992.4
25°	1170.0	1160.6	1146.1	1129.1	1116.4	1092.7	1074.0	1049.3	1028.9	1014.4	1002.6
27.5°	1247.3	1236.2	1222.6	1207.4	1188.7	1162.3	1139.4	1110.4	1085.9	1064.6	1049.3
30°	1343.3	1328.8	1318.6	1299.9	1287.2	1257.5	1234.5	1198.8	1151.3	1117.3	1096.0
32.5°	1441.9	1425.7	1417.2	1402.7	1388.3	1370.4	1335.6	1280.4	1219.3	1164.0	1127.4
35°	1573.5	1556.6	1541.2	1528.5	1507.3	1474.1	1443.5	1377.2	1293.1	1215.8	1154.6
37.5°	1739.2	1711.2	1672.9	1640.7	1603.3	1555.6	1508.9	1440.9	1344.9	1244.8	1163.2
40°	1915.9	1866.6	1812.3	1751.9	1687.4	1618.5	1565.0	1496.2	1388.3	1269.3	1157.2
42.5°	2100.3	2022.2	1946.5	1861.6	1771.5	1690.0	1620.3	1544.7	1420.6	1276.2	1133.4
45°	2283.0	2195.5	2080.8	1969.4	1855.6	1754.5	1676.3	1591.4	1450.3	1278.7	1102.0
47.5°	2434.2	2344.1	2213.3	2074.0	1938.9	1824.2	1732.4	1640.7	1490.2	1296.6	1094.3
50°	2594.0	2484.3	2339.1	2174.2	2021.3	1892.9	1795.3	1700.1	1546.3	1342.4	1119.0
52.5°	2768.1	2642.3	2472.4	2288.1	2120.7	1977.1	1870.9	1773.2	1617.7	1407.0	1165.7
55°	2980.5	2826.7	2642.3	2434.2	2254.9	2096.0	1978.8	1863.3	1702.7	1483.5	1224.3
57.5°	3305.0	3116.5	2909.1	2672.1	2473.3	2285.5	2145.3	2011.9	1834.3	1597.3	1304.2
60°	3892.2	3690.8	3421.5	3134.3	2900.7	2681.4	2475.8	2310.2	2091.8	1821.6	1480.9
62.5°	4733.3	4465.7	4106.3	3704.4	3398.5	3082.4	2850.5	2604.1	2333.1	2041.7	1689.0
65°	5200.6	4876.0	4395.2	3928.7	3535.4	3192.1	2897.2	2611.7	2311.0	2032.3	1737.5
66°	5258.4	4920.2	4420.7	3929.5	3516.7	3164.0	2853.9	2558.2	2250.7	1984.8	1717.1
67.5°	5234.6	4888.8	4373.9	3855.7	3435.9	3056.9	2736.7	2430.0	2123.3	1875.2	1649.1
70°	4844.6	4516.7	4011.1	3509.0	3110.5	2736.7	2430.8	2129.2	1847.9	1635.5	1469.0
72.5°	4023.0	3742.6	3303.4	2909.1	2596.5	2288.1	2028.9	1740.9	1503.0	1345.8	1247.3
75°	2904.0	2734.2	2334.0	2107.9	1833.5	1628.8	1377.2	1206.5	1035.7	959.3	942.2
77.5°	1834.3	1605.8	1351.7	1113.0	915.1	758.7	590.5	501.3	418.0	409.5	494.5
80°	928.7	836.0	644.0	513.2	431.6	349.2	276.1	209.0	146.1	175.9	210.7
82.5°	608.4	507.3	397.6	327.1	284.7	236.2	183.5	127.4	93.5	105.4	144.5
85°	328.8	280.4	226.0	178.4	144.5	129.1	86.7	61.2	60.3	64.6	82.4
87.5°	23.8	23.8	18.7	17.0	20.4	17.0	15.3	15.3	14.4	15.3	20.4
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4	1015.4
2.5°	1026.3	1028.9	1029.8	1034.0	1036.6	1038.2	1039.9	1039.9	1040.8	1043.4	1044.2
5°	1045.9	1050.1	1055.3	1058.6	1060.4	1065.4	1067.2	1067.2	1068.8	1072.2	1074.8
7.5°	1057.8	1063.7	1068.8	1070.5	1074.0	1075.6	1078.1	1079.9	1079.9	1083.3	1084.9
10°	1062.1	1065.4	1070.5	1070.5	1074.0	1074.0	1076.5	1077.3	1077.3	1080.8	1083.3
12.5°	1062.1	1063.7	1068.0	1068.0	1070.5	1071.4	1074.8	1077.3	1078.1	1082.4	1085.9
15°	1056.9	1058.6	1062.1	1062.9	1068.8	1072.2	1079.9	1084.9	1084.9	1089.2	1090.9
17.5°	1042.5	1046.7	1053.6	1060.4	1071.4	1079.1	1088.4	1092.7	1089.2	1086.7	1084.1
20°	1018.7	1026.3	1042.5	1059.4	1079.1	1089.2	1094.3	1090.1	1078.1	1066.3	1058.6
22.5°	994.9	1010.2	1037.4	1062.9	1084.9	1091.8	1089.2	1074.0	1054.4	1039.9	1029.8
25°	1006.0	1023.8	1050.1	1073.1	1087.5	1085.9	1075.6	1054.4	1033.1	1014.4	997.5
27.5°	1051.8	1071.4	1085.9	1093.5	1091.8	1079.9	1063.7	1039.9	1014.4	989.9	966.1
30°	1095.2	1105.4	1108.8	1102.8	1089.2	1069.7	1049.3	1022.1	988.1	957.5	930.3
32.5°	1114.7	1104.6	1088.4	1072.2	1050.1	1033.1	1005.1	975.4	932.9	896.4	869.2
35°	1114.7	1074.0	1033.1	999.2	966.1	944.7	912.5	872.6	833.5	802.9	781.7
37.5°	1090.1	1011.9	944.7	889.6	847.9	825.0	776.6	740.8	707.7	697.6	683.9
40°	1045.0	929.5	832.7	760.4	707.7	673.8	625.3	600.7	587.9	582.9	580.3
42.5°	984.8	837.8	708.6	619.4	562.4	524.2	491.9	476.7	475.8	475.0	475.0
45°	920.2	739.2	587.9	481.8	431.6	397.6	382.3	376.4	381.5	380.7	381.5
47.5°	880.2	664.4	477.5	364.5	326.2	304.2	296.6	299.1	303.4	301.6	301.6
50°	875.2	626.1	403.5	283.8	254.9	243.8	242.1	242.1	244.7	243.0	242.1
52.5°	893.8	620.2	365.3	243.8	220.9	211.5	209.9	209.0	208.2	203.1	198.8
55°	926.1	633.9	354.3	233.7	209.9	199.6	197.1	195.4	192.0	185.2	177.6
57.5°	990.7	676.3	364.5	238.8	213.3	204.7	202.2	202.2	195.4	184.4	173.3
60°	1146.1	784.2	406.1	258.3	229.4	220.9	222.6	221.8	211.5	195.4	178.4
62.5°	1346.7	925.2	460.5	285.5	249.8	248.1	256.6	254.9	237.9	213.3	188.7
65°	1439.3	991.5	475.8	291.4	254.0	261.7	278.7	277.0	255.7	221.8	190.3
66°	1440.9	991.5	469.0	286.3	248.1	257.4	274.4	273.6	252.4	218.3	186.9
67.5°	1406.1	964.4	449.5	276.1	236.2	243.0	258.3	257.4	237.9	209.9	180.1
70°	1275.3	863.3	399.4	258.3	220.1	216.7	221.8	218.3	205.6	186.0	165.7
72.5°	1092.7	724.7	348.4	244.7	209.0	195.4	192.0	189.5	179.3	168.2	155.4
75°	860.7	573.5	305.9	234.5	198.8	180.9	175.1	171.6	164.8	157.2	147.0
77.5°	531.0	410.3	266.8	220.9	191.2	173.3	169.1	164.0	153.8	144.5	136.7
80°	237.0	254.0	219.2	192.8	170.8	154.6	147.8	140.2	130.0	124.0	119.8
82.5°	158.0	164.0	158.9	144.5	129.1	116.4	106.2	106.2	104.5	99.4	97.7
85°	101.1	102.0	98.5	89.2	83.3	75.6	71.3	72.2	75.6	74.8	74.0
87.5°	23.0	23.0	27.2	25.5	29.8	31.4	34.0	36.6	41.7	41.7	44.2
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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**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	1015.4	1015.4	1015.4	1015.4	1015.4
2.5°	1045.0	1046.7	1048.5	1045.9	1046.7
5°	1074.8	1074.0	1078.1	1075.6	1077.3
7.5°	1084.1	1084.9	1088.4	1088.4	1089.2
10°	1084.9	1086.7	1090.9	1093.5	1095.2
12.5°	1089.2	1092.7	1099.4	1101.1	1101.1
15°	1092.7	1094.3	1098.6	1100.3	1102.0
17.5°	1080.8	1077.3	1079.1	1079.9	1079.1
20°	1051.0	1047.6	1046.7	1043.4	1045.0
22.5°	1018.7	1009.4	1003.4	996.7	996.7
25°	979.6	965.2	953.3	941.4	943.9
27.5°	943.1	924.4	912.5	904.8	903.2
30°	907.4	887.9	876.8	867.4	867.4
32.5°	847.9	834.3	819.9	814.0	813.1
35°	765.5	757.0	745.1	742.6	738.3
37.5°	672.9	670.3	660.2	659.4	655.1
40°	576.1	577.8	574.3	572.7	570.1
42.5°	479.2	487.7	486.0	485.1	483.4
45°	386.6	392.6	393.4	395.9	400.2
47.5°	304.2	305.9	307.5	306.7	307.5
50°	237.9	233.7	232.8	230.2	232.8
52.5°	192.0	185.2	181.9	178.4	176.7
55°	169.1	162.2	158.9	157.2	155.4
57.5°	163.2	156.4	151.3	147.8	147.0
60°	164.8	154.6	147.8	143.6	142.7
62.5°	169.1	155.4	146.1	141.9	141.0
65°	168.2	153.8	145.3	140.2	139.3
66°	165.7	152.1	143.6	139.3	138.5
67.5°	161.4	149.5	141.9	138.5	136.7
70°	153.8	146.1	140.2	135.9	134.2
72.5°	147.0	141.0	135.9	131.7	130.9
75°	139.3	134.2	129.1	125.8	124.9
77.5°	130.0	124.9	121.5	119.0	118.1
80°	114.7	111.3	107.9	104.5	104.5
82.5°	95.2	92.7	89.2	86.7	85.8
85°	73.0	73.0	70.5	68.0	67.2
87.5°	43.3	42.5	42.5	39.9	39.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)