

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: P181462

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181462
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-T3-8030
Description: ICON SITE MEDIUM 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: 9993.9 lumens
Efficiency: N/A
Efficacy: 75.0 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

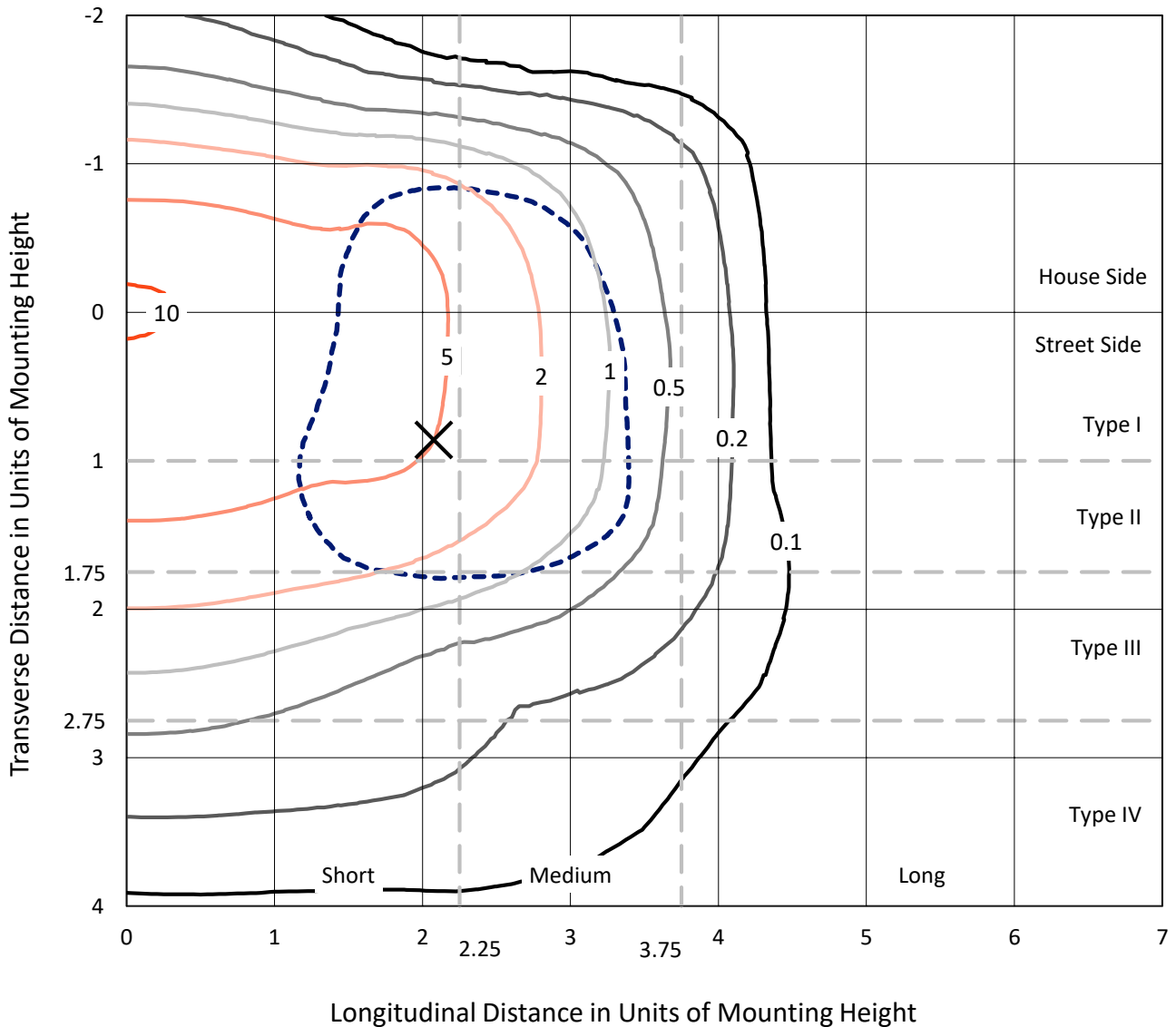


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

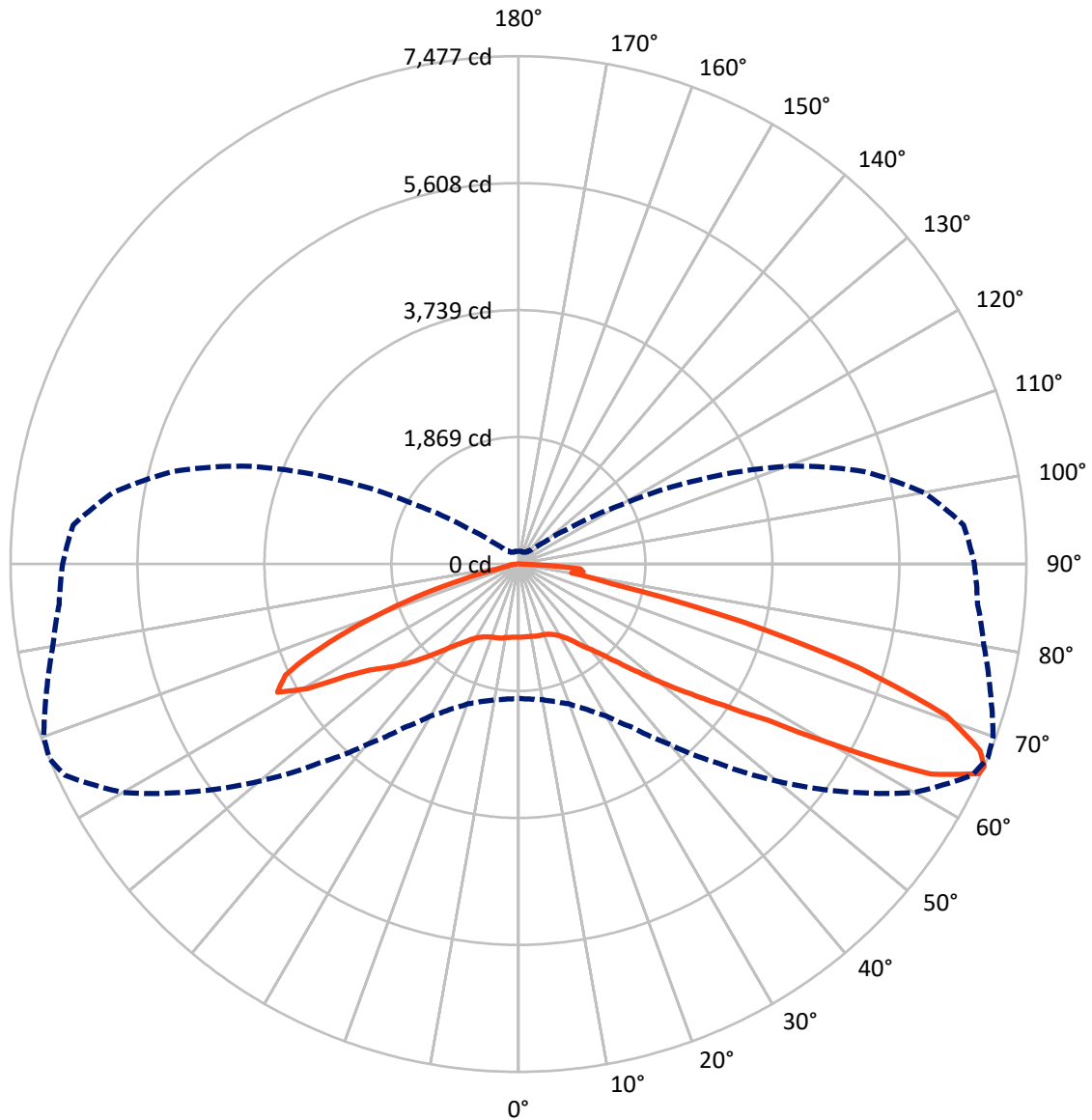


Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Short - Semi-Cutoff

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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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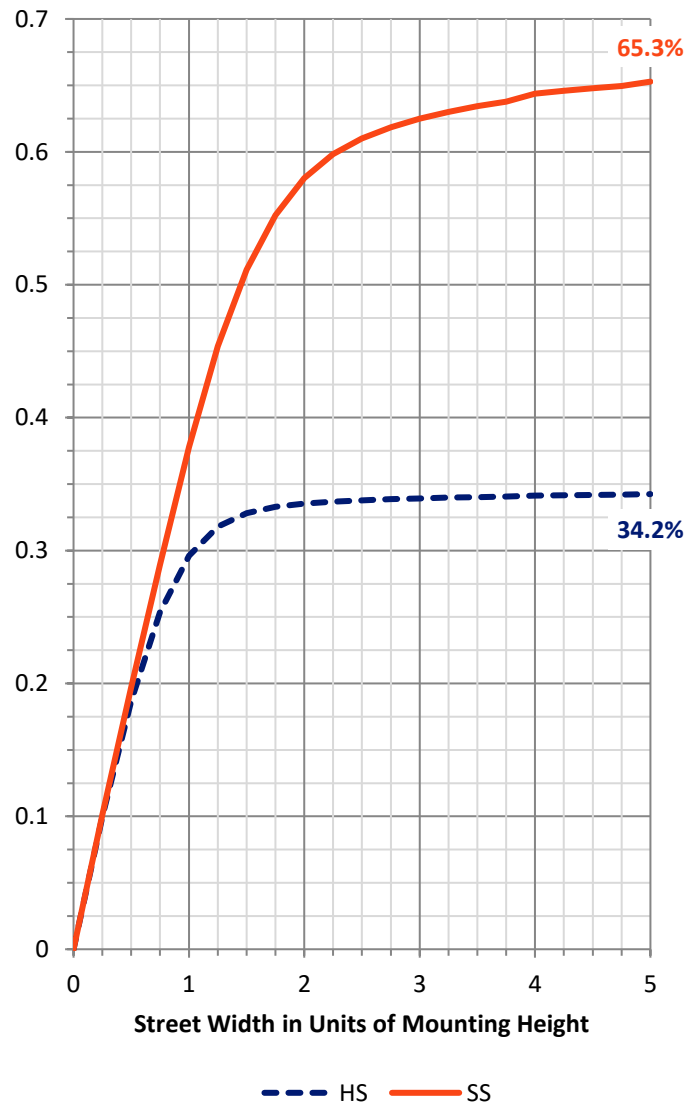
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3451.2	0.0	3451.2
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	6542.7	0.0	6542.7
	% Fixture	65.5	0.0	65.5
Total	Lumens	9993.9	0.0	9993.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	1.0
10°-20°	304.4	3.0
20°-30°	523.2	5.2
30°-40°	849.5	8.5
40°-50°	1418.3	14.2
50°-60°	2233.3	22.3
60°-70°	3045.4	30.5
70°-80°	1318.3	13.2
80°-90°	198.2	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°	9993.9	100.0
0°-180°	9993.9	100.0



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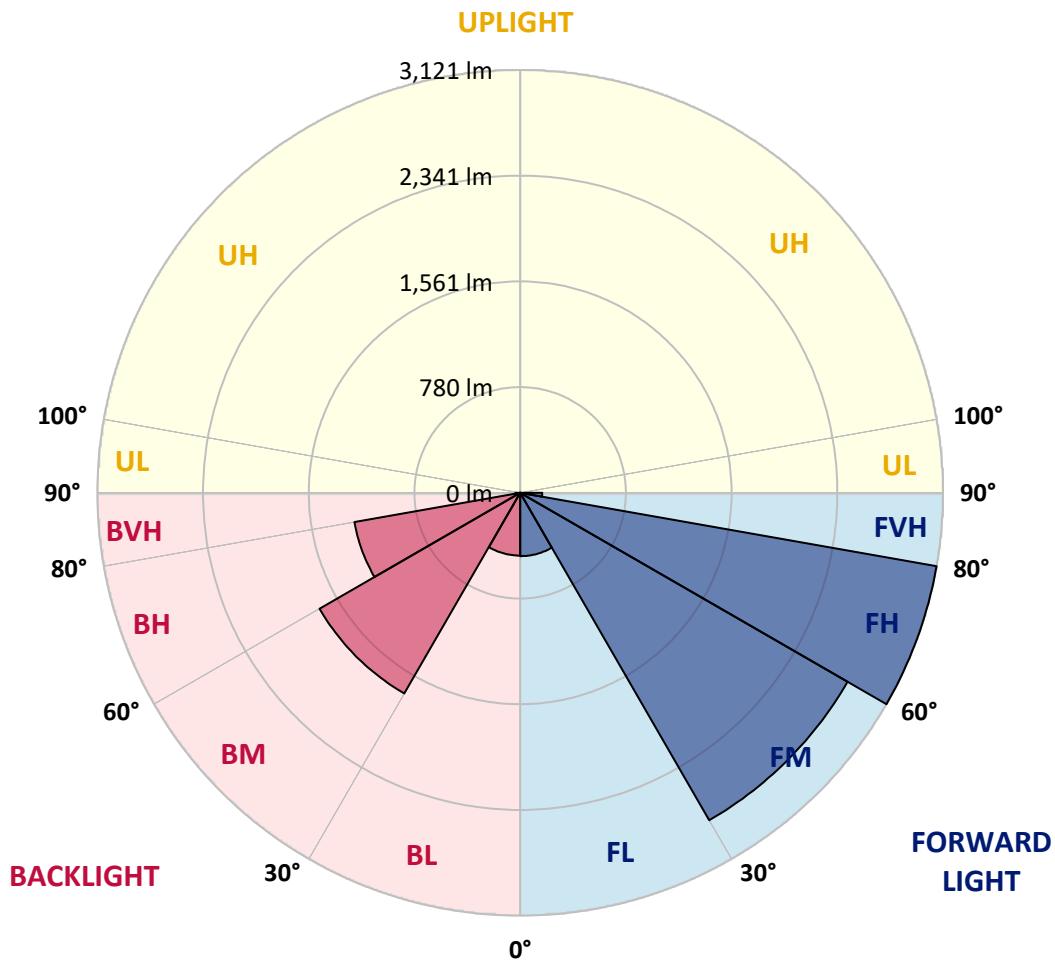
CATALOG NUMBER: ICM-F05-LED-E1-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	467.5	4.7			
FM	(30°-60°)	2791.0	27.9			
FH	(60°-80°)	3121.4	31.2			G2/5000
FVH	(80°-90°)	162.8	1.6			G2/225
BL	(0°-30°)	463.3	4.6	B1/500		
BM	(30°-60°)	1710.2	17.1	B2/2500		
BH	(60°-80°)	1242.3	12.4	B3/2500		G3/2500
BVH	(80°-90°)	35.5	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°	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9
2.5°	1081.3	1085.6	1081.3	1082.3	1083.4	1082.3	1081.3	1081.3	1078.1	1080.2	1082.3
5°	1076.9	1080.2	1079.2	1080.2	1081.3	1080.2	1079.2	1080.2	1078.1	1079.2	1082.3
7.5°	1071.5	1070.5	1071.5	1073.8	1075.9	1075.9	1075.9	1076.9	1075.9	1075.9	1079.2
10°	1055.4	1056.5	1058.6	1061.9	1062.9	1066.1	1066.1	1069.4	1070.5	1072.7	1076.9
12.5°	1034.9	1035.9	1038.1	1040.3	1045.7	1051.1	1051.1	1058.6	1061.9	1067.3	1074.8
15°	1019.7	1020.8	1023.0	1025.1	1029.4	1034.9	1038.1	1046.7	1052.1	1061.9	1072.7
17.5°	1028.4	1027.3	1029.4	1030.5	1030.5	1034.9	1034.9	1041.3	1047.8	1056.5	1070.5
20°	1053.2	1053.2	1055.4	1055.4	1054.3	1056.5	1052.1	1052.1	1053.2	1057.5	1067.3
22.5°	1078.1	1076.9	1081.3	1083.4	1084.6	1087.8	1083.4	1082.3	1076.9	1073.8	1076.9
25°	1101.9	1100.8	1106.1	1109.4	1114.8	1118.1	1118.1	1118.1	1113.7	1108.3	1105.0
27.5°	1138.5	1138.5	1143.9	1147.2	1151.5	1158.0	1161.2	1161.2	1162.3	1154.8	1149.3
30°	1200.1	1201.2	1202.2	1206.6	1210.9	1213.1	1217.4	1220.7	1223.9	1219.5	1210.9
32.5°	1273.6	1267.1	1267.1	1273.6	1279.0	1285.5	1287.6	1291.9	1298.4	1295.2	1294.1
35°	1361.0	1358.9	1356.8	1358.9	1365.4	1372.9	1381.6	1389.1	1384.8	1391.4	1388.1
37.5°	1490.7	1492.8	1494.0	1494.0	1492.8	1495.0	1499.4	1506.9	1504.8	1506.9	1511.3
40°	1704.6	1697.0	1689.5	1690.5	1679.7	1681.9	1664.6	1672.2	1673.2	1665.7	1668.9
42.5°	1918.4	1922.8	1926.1	1934.7	1927.1	1922.8	1906.6	1906.6	1898.0	1890.3	1888.2
45°	2149.6	2158.2	2159.4	2176.7	2170.2	2184.2	2196.1	2192.9	2178.8	2177.7	2162.6
47.5°	2334.3	2348.4	2363.5	2384.0	2400.2	2431.5	2468.3	2486.6	2497.5	2506.1	2488.9
50°	2472.6	2479.1	2518.0	2550.4	2586.1	2637.9	2688.7	2754.5	2807.5	2832.3	2856.1
52.5°	2547.2	2563.4	2605.5	2656.3	2718.9	2796.7	2878.8	2983.6	3074.3	3134.8	3188.8
55°	2563.4	2579.6	2627.1	2691.9	2777.2	2882.1	2999.7	3142.3	3278.4	3395.1	3508.6
57.5°	2518.0	2536.4	2587.1	2661.7	2762.2	2889.6	3037.6	3224.5	3412.4	3601.4	3768.9
60°	2434.8	2457.5	2503.9	2577.4	2688.7	2832.3	3009.5	3243.9	3507.5	3797.0	4117.8
62.5°	2297.6	2321.4	2364.6	2445.6	2560.1	2718.9	2924.1	3215.8	3588.5	4044.3	4613.6
65°	2077.2	2088.0	2140.9	2223.1	2324.7	2499.6	2725.4	3077.5	3562.5	4196.7	4980.9
66°	1977.9	1996.2	2028.7	2094.5	2191.7	2355.9	2582.8	2940.4	3464.3	4143.7	4971.2
67.5°	1822.3	1836.4	1858.0	1902.2	1961.7	2082.6	2297.6	2635.7	3163.9	3875.8	4764.9
70°	1473.4	1479.9	1509.0	1524.2	1544.8	1584.7	1662.4	1856.8	2268.5	2937.1	3845.6
72.5°	1004.6	1023.0	1054.3	1097.5	1153.7	1207.7	1244.4	1269.2	1357.9	1752.1	2562.2
75°	736.7	756.2	796.1	853.4	951.6	1064.0	1180.7	1234.7	1198.0	1147.2	1427.0
77.5°	427.7	453.7	487.2	542.2	633.0	782.1	982.0	1159.1	1279.0	1286.5	1221.7
80°	180.4	183.6	204.2	232.3	288.4	393.2	548.7	803.7	1069.4	1248.8	1290.9
82.5°	41.0	50.8	64.8	76.7	94.0	129.6	192.3	319.7	578.0	906.3	1181.8
85°	15.2	15.2	20.6	30.2	34.6	38.9	50.8	81.0	138.2	254.9	531.4
87.5°	0.0	1.1	2.1	2.1	4.3	5.4	8.7	11.9	10.8	9.8	32.4
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9
2.5°	1080.2	1079.2	1076.9	1076.9	1076.9	1076.9	1074.8	1075.9	1073.8	1074.8	1074.8
5°	1079.2	1079.2	1078.1	1075.9	1076.9	1076.9	1078.1	1075.9	1075.9	1076.9	1075.9
7.5°	1079.2	1078.1	1078.1	1078.1	1079.2	1078.1	1079.2	1079.2	1079.2	1080.2	1080.2
10°	1079.2	1079.2	1081.3	1082.3	1082.3	1083.4	1086.7	1086.7	1087.8	1088.8	1091.0
12.5°	1080.2	1084.6	1087.8	1091.0	1092.1	1094.2	1099.6	1099.6	1101.9	1105.0	1106.1
15°	1081.3	1087.8	1094.2	1096.4	1098.6	1102.9	1108.3	1110.4	1113.7	1116.9	1119.1
17.5°	1080.2	1088.8	1096.4	1099.6	1102.9	1108.3	1114.8	1116.9	1121.3	1125.6	1129.9
20°	1079.2	1091.0	1102.9	1107.3	1111.5	1119.1	1127.7	1133.1	1137.5	1143.9	1148.3
22.5°	1085.6	1099.6	1115.8	1122.3	1129.9	1139.6	1151.5	1158.0	1163.4	1169.9	1173.1
25°	1106.1	1116.9	1136.4	1147.2	1156.9	1173.1	1189.3	1196.8	1203.4	1208.8	1209.9
27.5°	1140.8	1143.9	1167.7	1181.8	1195.8	1221.7	1241.1	1246.6	1258.4	1262.8	1261.7
30°	1196.8	1191.4	1210.9	1232.6	1253.0	1288.7	1312.5	1326.5	1337.3	1337.3	1328.7
32.5°	1277.9	1269.2	1274.6	1299.5	1323.3	1375.1	1403.2	1421.6	1429.1	1427.0	1408.6
35°	1383.7	1378.3	1375.1	1394.5	1432.4	1492.8	1529.6	1539.3	1551.2	1549.0	1525.3
37.5°	1509.0	1504.8	1504.8	1527.5	1564.2	1653.8	1693.8	1700.3	1699.2	1681.9	1637.6
40°	1657.0	1654.9	1645.1	1658.1	1689.5	1806.2	1860.1	1868.8	1856.8	1828.8	1776.9
42.5°	1869.9	1856.8	1826.6	1834.2	1858.0	1971.4	2041.6	2065.4	2053.5	2025.4	1941.1
45°	2147.5	2133.4	2082.6	2076.2	2089.1	2188.5	2279.3	2284.7	2282.5	2246.8	2147.5
47.5°	2473.7	2452.1	2398.1	2380.8	2376.5	2468.3	2555.8	2564.5	2559.0	2506.1	2373.2
50°	2826.9	2795.6	2759.9	2748.1	2730.8	2796.7	2885.2	2886.3	2864.8	2791.3	2667.1
52.5°	3203.9	3193.1	3186.6	3174.7	3167.2	3224.5	3278.4	3246.1	3213.6	3136.9	3028.9
55°	3584.1	3628.5	3673.8	3678.2	3691.1	3752.7	3751.6	3663.0	3639.3	3597.1	3490.2
57.5°	3988.1	4152.4	4294.9	4339.2	4382.4	4497.0	4486.2	4398.6	4368.4	4316.6	4227.9
60°	4538.0	4980.9	5392.4	5490.7	5558.8	5695.9	5683.0	5548.0	5610.6	5606.4	5491.8
62.5°	5308.2	6044.9	6661.7	6813.0	6860.4	6875.6	6793.4	6647.7	6709.3	6778.4	6426.2
65°	5829.9	6696.2	7329.3	7445.9	7452.4	7272.0	7089.4	6917.7	6902.6	6843.2	6339.8
66°	5841.8	6728.7	7363.9	7477.3	7437.3	7191.0	6959.9	6787.0	6712.5	6581.7	6060.0
67.5°	5632.2	6526.6	7210.5	7330.4	7242.8	6893.9	6575.3	6352.8	6206.9	5995.2	5535.0
70°	4730.3	5617.2	6459.7	6683.3	6711.4	6190.7	5748.9	5487.5	5290.9	5000.3	4603.8
72.5°	3517.2	4318.7	5061.9	5275.8	5384.9	4969.0	4596.3	4397.6	4128.6	3822.9	3541.0
75°	2204.8	2770.7	3268.8	3418.9	3316.3	2994.3	2770.7	2687.6	2422.9	2240.4	2111.8
77.5°	1260.7	1437.8	1477.8	1420.5	1299.5	994.9	707.5	523.9	454.8	503.4	555.3
80°	1230.3	1127.7	898.7	790.7	716.2	492.6	289.5	198.8	165.3	169.6	183.6
82.5°	1333.0	1430.2	1177.4	960.3	805.9	544.5	300.3	159.9	108.0	127.4	143.6
85°	866.3	1205.5	1085.6	915.0	741.0	465.6	247.4	83.2	55.1	72.4	99.3
87.5°	87.5	96.1	82.1	111.3	83.2	38.9	19.4	11.9	10.8	12.9	19.4
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°	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9	1076.9
2.5°	1075.9	1075.9	1076.9	1078.1	1079.2	1080.2	1080.2	1080.2	1080.2	1082.3	1081.3
5°	1078.1	1080.2	1082.3	1083.4	1085.6	1085.6	1088.8	1087.8	1087.8	1091.0	1092.1
7.5°	1082.3	1085.6	1090.0	1088.8	1093.2	1092.1	1094.2	1094.2	1091.0	1092.1	1090.0
10°	1092.1	1096.4	1098.6	1095.4	1096.4	1092.1	1091.0	1085.6	1079.2	1075.9	1071.5
12.5°	1108.3	1112.7	1112.7	1107.3	1100.8	1091.0	1083.4	1071.5	1061.9	1056.5	1051.1
15°	1122.3	1126.7	1125.6	1116.9	1107.3	1092.1	1081.3	1067.3	1053.2	1044.6	1039.2
17.5°	1133.1	1135.3	1132.1	1120.2	1109.4	1095.4	1084.6	1069.4	1053.2	1042.4	1032.7
20°	1149.3	1147.2	1139.6	1124.5	1112.7	1099.6	1091.0	1078.1	1059.7	1045.7	1031.6
22.5°	1173.1	1164.5	1150.4	1134.2	1122.3	1110.4	1101.9	1087.8	1069.4	1052.1	1035.9
25°	1204.5	1187.2	1167.7	1150.4	1139.6	1126.7	1116.9	1101.9	1082.3	1062.9	1043.4
27.5°	1249.8	1219.5	1194.7	1179.6	1167.7	1151.5	1139.6	1120.2	1099.6	1076.9	1055.4
30°	1300.6	1259.5	1235.7	1223.9	1210.9	1193.7	1175.3	1150.4	1126.7	1101.9	1075.9
32.5°	1366.5	1316.8	1294.1	1282.2	1264.9	1243.4	1221.7	1193.7	1160.2	1127.7	1096.4
35°	1452.8	1402.1	1378.3	1360.0	1336.2	1308.1	1276.8	1239.0	1193.7	1150.4	1110.4
37.5°	1545.8	1490.7	1468.0	1448.6	1412.9	1376.2	1331.9	1276.8	1215.3	1158.0	1108.3
40°	1663.5	1612.8	1583.6	1550.1	1508.0	1444.3	1375.1	1295.2	1216.3	1146.1	1087.8
42.5°	1812.6	1761.9	1718.6	1665.7	1592.2	1494.0	1395.6	1291.9	1196.8	1116.9	1054.3
45°	2010.2	1948.8	1874.2	1781.3	1662.4	1525.3	1396.8	1271.4	1160.2	1071.5	1004.6
47.5°	2252.3	2158.2	2036.2	1879.5	1708.9	1533.9	1379.5	1230.3	1102.9	1006.8	932.2
50°	2539.6	2391.6	2190.7	1960.6	1732.7	1520.9	1336.2	1168.8	1021.9	919.3	830.7
52.5°	2868.0	2626.0	2330.1	2018.9	1731.5	1477.8	1262.8	1075.9	916.0	801.5	717.3
55°	3253.6	2893.9	2473.7	2062.2	1701.3	1397.8	1150.4	945.2	785.3	679.4	601.7
57.5°	3818.5	3328.1	2724.3	2129.1	1640.8	1274.6	998.1	788.6	648.1	547.6	481.8
60°	4851.3	4053.0	3175.8	2264.1	1547.9	1094.2	819.9	621.1	503.4	422.3	378.0
62.5°	5629.0	4613.6	3419.9	2233.9	1361.0	871.7	608.2	452.7	370.5	315.4	287.4
65°	5517.7	4439.7	3159.6	1923.8	1067.3	614.6	404.0	307.8	254.9	229.0	212.8
66°	5266.1	4212.9	2933.9	1731.5	922.5	511.0	332.7	258.1	219.3	200.9	190.1
67.5°	4788.6	3791.6	2529.9	1419.5	708.7	370.5	250.6	204.2	178.2	170.7	163.1
70°	3980.6	3023.6	1775.9	826.3	361.9	206.3	158.8	142.6	136.1	135.1	132.8
72.5°	3050.5	2139.9	1045.7	391.1	188.0	137.2	123.2	117.8	115.6	115.6	116.7
75°	1869.9	1202.2	462.3	191.2	131.8	115.6	109.1	107.0	105.9	107.0	105.9
77.5°	624.4	382.4	197.7	144.7	119.9	107.0	102.6	100.5	100.5	100.5	100.5
80°	191.2	166.3	151.3	134.0	113.4	101.6	95.1	94.0	95.1	96.1	92.9
82.5°	143.6	136.1	127.4	118.8	102.6	90.7	88.6	88.6	88.6	85.3	81.0
85°	105.9	104.7	86.4	81.0	75.6	75.6	75.6	75.6	72.4	67.0	62.7
87.5°	19.4	18.3	19.4	20.6	30.2	32.4	32.4	34.6	37.8	35.6	35.6
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°	1076.9	1076.9	1076.9	1076.9	1076.9
2.5°	1081.3	1080.2	1083.4	1081.3	1082.3
5°	1091.0	1090.0	1092.1	1090.0	1093.2
7.5°	1087.8	1085.6	1084.6	1085.6	1086.7
10°	1065.1	1062.9	1061.9	1060.8	1061.9
12.5°	1045.7	1041.3	1041.3	1039.2	1040.3
15°	1031.6	1028.4	1027.3	1025.1	1026.2
17.5°	1025.1	1019.7	1017.6	1015.4	1015.4
20°	1020.8	1014.3	1011.1	1008.9	1007.8
22.5°	1020.8	1011.1	1006.8	1004.6	1003.5
25°	1025.1	1013.2	1006.8	1003.5	1002.4
27.5°	1033.8	1018.6	1011.1	1006.8	1006.8
30°	1048.9	1029.4	1018.6	1013.2	1012.2
32.5°	1064.0	1038.1	1023.0	1016.5	1014.3
35°	1071.5	1038.1	1019.7	1008.9	1006.8
37.5°	1062.9	1024.0	1001.4	985.1	982.0
40°	1035.9	994.9	970.1	954.9	952.8
42.5°	1000.3	960.3	931.2	920.4	917.1
45°	951.6	904.1	875.0	859.8	860.9
47.5°	868.5	819.9	794.0	779.9	782.1
50°	770.2	722.7	700.0	684.8	688.1
52.5°	662.1	619.0	597.4	589.8	587.6
55°	548.7	515.3	500.1	491.5	488.3
57.5°	445.0	421.3	410.5	399.7	400.7
60°	351.1	339.2	335.9	324.1	323.0
62.5°	276.6	268.9	265.8	257.1	258.1
65°	209.6	207.4	209.6	204.2	206.3
66°	189.0	190.1	190.1	186.9	189.0
67.5°	163.1	165.3	168.6	165.3	167.4
70°	135.1	137.2	139.3	139.3	139.3
72.5°	117.8	119.9	121.0	121.0	121.0
75°	108.0	109.1	110.1	108.0	108.0
77.5°	101.6	101.6	99.3	98.3	97.2
80°	91.8	90.7	87.5	85.3	85.3
82.5°	76.7	74.5	72.4	69.1	69.1
85°	58.3	56.2	54.0	49.7	47.5
87.5°	30.2	31.3	30.2	24.8	21.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)