

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: STREETWORKS

Report Number: P507857

Luminaire Tested: **UFLD-S-CA1-20-730-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-S-CA1-20-730-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

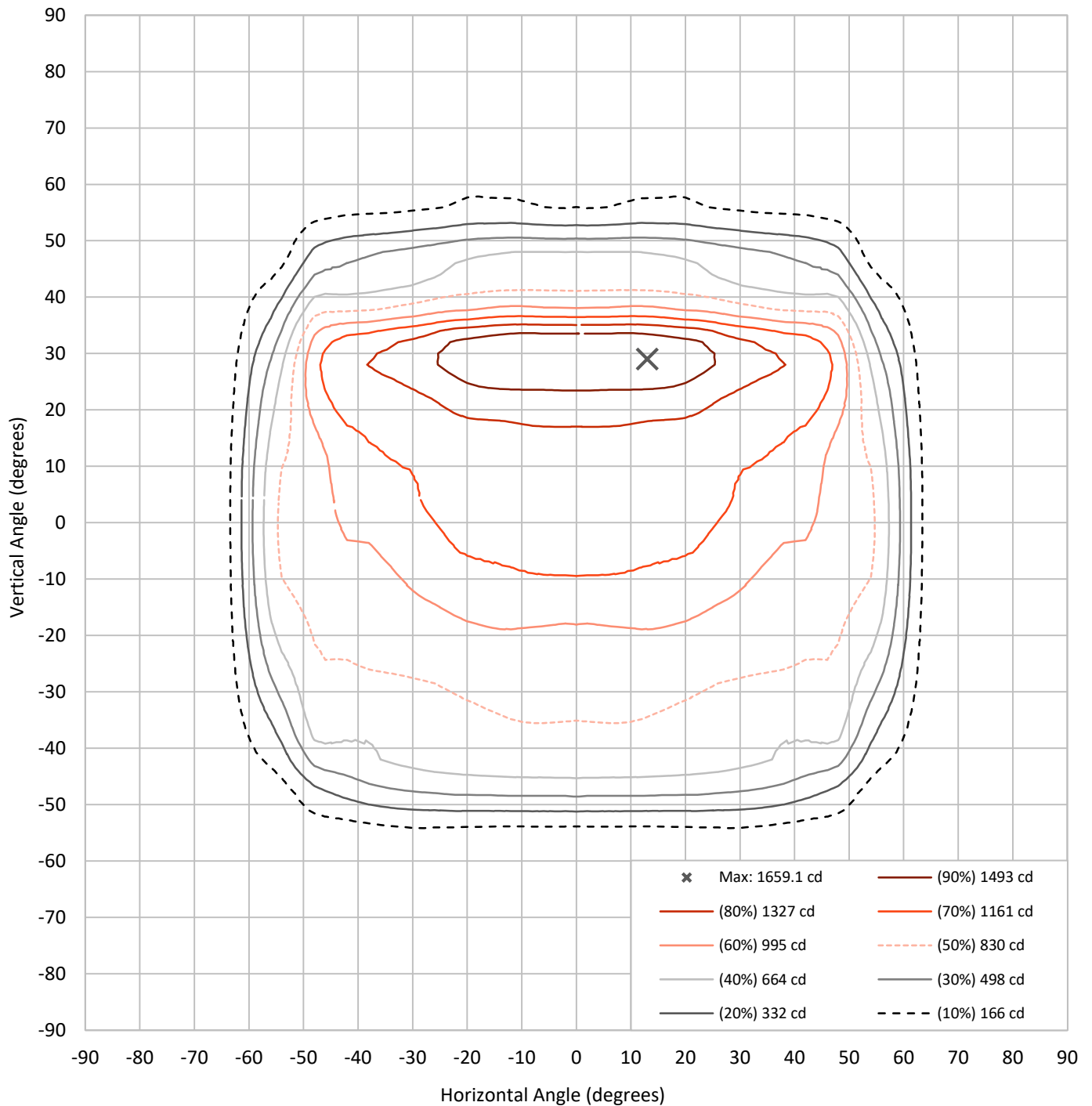
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	3019 lumens	Max Intensity:	1659.1 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	155.6 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	2201.2 lumens	Field Lumens:	2931.6 lumens
Beam Efficiency:	72.9%	Field Efficiency:	97.1%
Input Watts (W):	19.4		
Input Voltage (V):	120		
Input Current (A _{in}):	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:	24 FT		



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Iso-Candela Plot

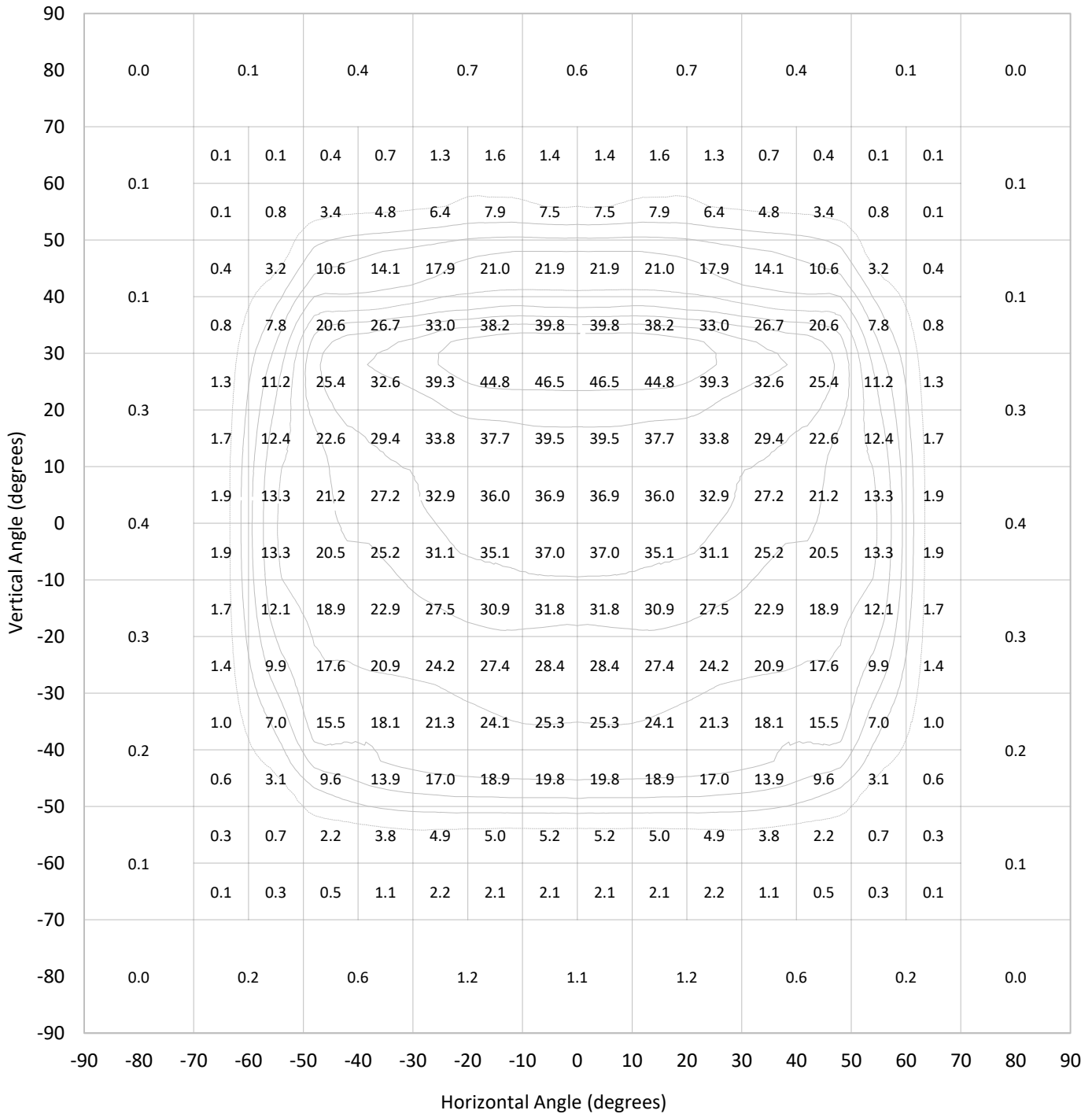




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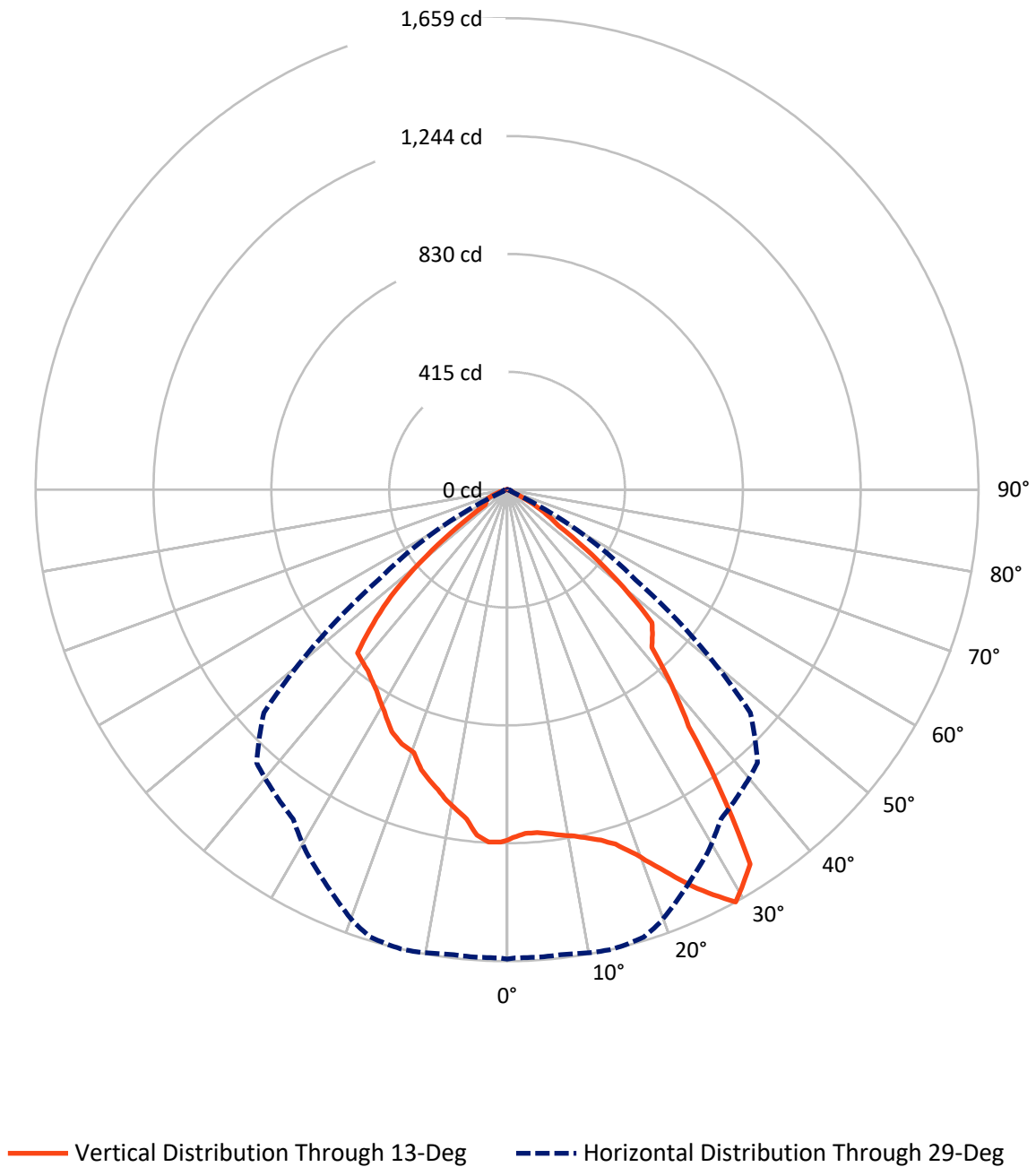
Lumen Table



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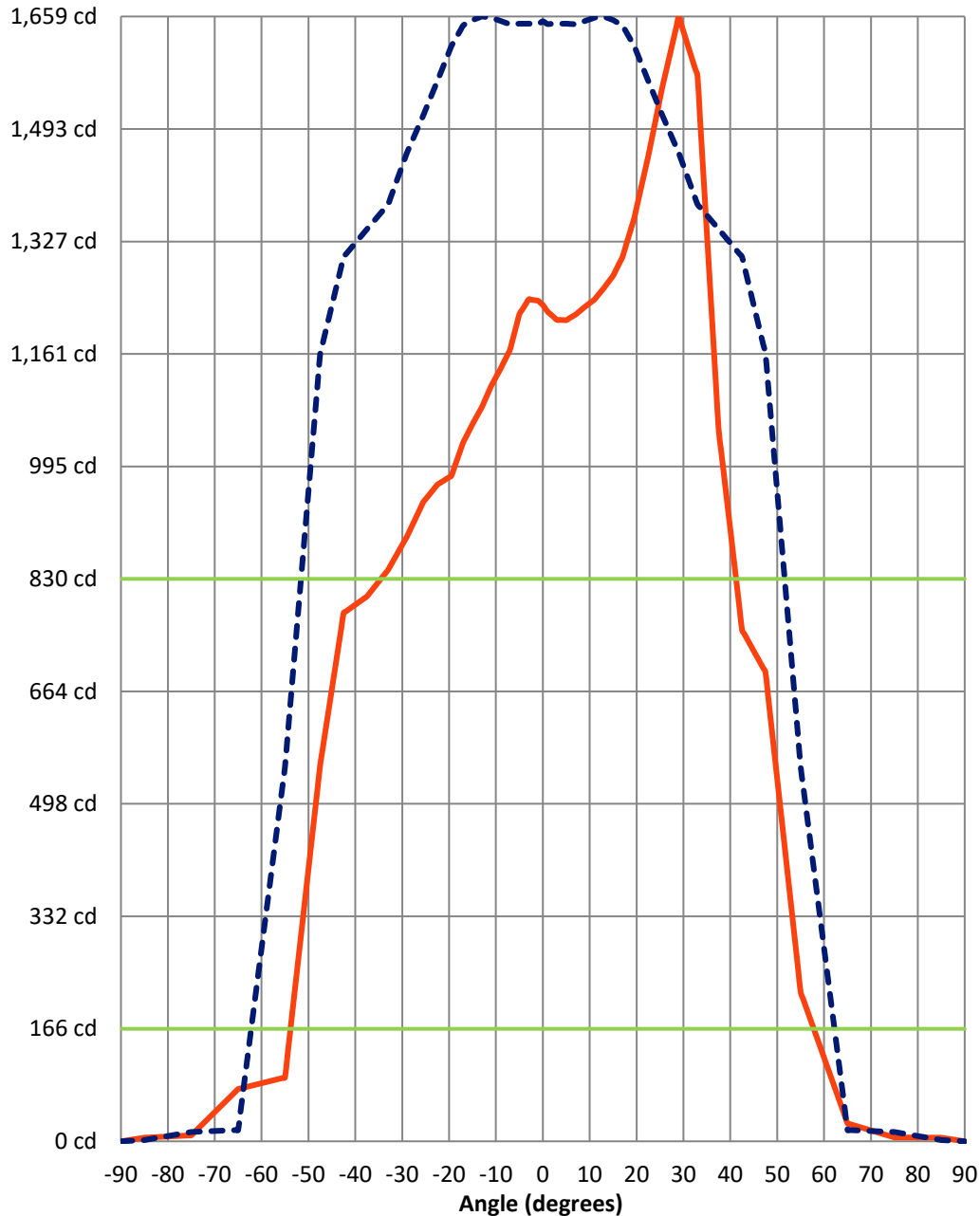
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 2201.2
 Efficiency: 72.9%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 2931.6
 Efficiency: 97.1%

Spill:
 Lumens: 87.4
 Efficiency: 2.9%

— Vertical Distribution through 13-Deg
 - - - Horizontal Distribution through 29-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.4	1.3	2.6	3.5	4.4	4.8	5.3	5.3	4.8	4.8
75°	4.0	4.0	4.4	4.0	3.5	4.4	6.2	5.7	6.2	7.0	5.7
65°	33.5	33.9	33.5	31.3	28.2	26.0	24.7	26.4	32.6	43.6	52.0
55°	179.3	170.0	170.0	174.8	184.5	199.1	207.9	220.2	206.6	214.9	211.8
47.5°	698.5	697.6	699.4	698.5	698.9	699.4	697.2	691.9	684.4	679.1	665.5
42.5°	753.1	754.4	756.2	758.0	759.3	758.4	756.6	754.4	747.0	739.9	731.5
37.5°	1025.3	1023.1	1033.2	1031.5	1032.8	1049.5	1046.4	1050.4	1038.1	1024.0	990.5
33°	1582.4	1582.0	1587.7	1579.8	1586.8	1589.5	1586.0	1571.0	1558.6	1535.3	1516.4
29°	1652.0	1648.0	1648.5	1648.5	1647.6	1652.5	1657.3	1659.1	1653.8	1645.8	1615.5
25.5°	1558.6	1562.6	1556.4	1556.0	1554.2	1554.7	1555.1	1555.1	1548.1	1539.3	1519.4
22.5°	1463.1	1462.6	1462.2	1459.1	1458.2	1457.8	1457.3	1453.4	1451.2	1449.9	1436.2
19.5°	1372.8	1377.2	1376.8	1376.3	1375.9	1373.2	1367.9	1361.8	1358.7	1359.1	1355.6
17°	1325.2	1323.0	1323.9	1323.5	1323.5	1318.2	1310.2	1304.5	1298.4	1294.8	1289.1
15°	1294.0	1294.4	1295.3	1293.5	1290.9	1288.2	1283.8	1276.8	1270.2	1263.6	1253.4
13°	1275.9	1275.5	1275.0	1271.9	1270.6	1267.1	1262.2	1258.3	1252.1	1245.5	1234.1
11°	1263.6	1262.7	1261.8	1259.2	1257.0	1252.6	1247.3	1241.5	1237.6	1234.5	1228.3
9°	1243.7	1243.3	1244.2	1242.0	1241.5	1239.3	1234.5	1231.0	1227.9	1228.8	1227.4
7°	1227.9	1228.3	1228.8	1227.4	1227.4	1225.7	1222.6	1219.5	1219.5	1223.5	1226.6
5°	1215.6	1214.2	1214.2	1214.2	1214.7	1213.8	1212.9	1211.2	1212.9	1219.1	1227.9
3°	1202.3	1201.9	1204.5	1205.9	1206.7	1209.0	1211.2	1211.6	1214.7	1224.8	1236.7
1°	1196.2	1197.1	1198.4	1201.9	1205.4	1211.2	1218.2	1223.9	1226.6	1233.2	1235.8
0°	1194.0	1194.9	1197.9	1204.1	1210.7	1220.0	1226.1	1233.6	1231.9	1233.2	1232.3
-1°	1204.5	1206.7	1208.1	1218.6	1227.0	1233.6	1239.3	1239.8	1234.9	1232.3	1227.9
-3°	1248.1	1247.3	1250.4	1251.7	1257.0	1256.1	1250.4	1242.0	1228.8	1219.1	1205.9
-5°	1265.8	1264.0	1262.2	1264.0	1261.8	1251.2	1239.3	1220.0	1200.1	1184.7	1171.5
-7°	1235.8	1237.1	1231.4	1231.4	1218.2	1206.3	1183.4	1167.6	1156.1	1151.3	1153.0
-9°	1174.6	1167.1	1167.6	1166.7	1164.0	1151.7	1144.7	1139.8	1137.2	1137.6	1139.8
-11°	1115.6	1115.1	1116.0	1112.9	1113.4	1113.8	1113.8	1114.3	1115.1	1116.0	1116.0
-13°	1081.7	1079.5	1080.8	1080.3	1081.7	1081.7	1083.0	1083.0	1084.3	1084.8	1081.7
-15°	1057.9	1057.0	1057.0	1057.9	1057.4	1056.1	1057.0	1057.9	1056.1	1053.5	1046.0
-17°	1012.1	1002.0	1011.2	1015.6	1018.7	1020.5	1022.7	1030.6	1028.4	1019.6	1010.3
-19.5°	972.4	971.6	972.4	973.3	975.5	978.6	981.3	981.7	977.3	970.2	959.2
-22.5°	956.6	956.2	957.5	959.2	961.4	964.5	967.2	968.5	965.4	957.9	945.6
-25.5°	931.9	932.4	933.7	935.0	936.8	938.5	940.7	942.9	942.1	935.0	923.6
-29°	899.3	898.9	899.8	901.1	902.9	899.3	895.8	891.8	887.4	880.8	868.1
-33°	851.3	851.3	852.2	854.0	854.4	852.2	847.8	843.0	834.6	824.5	811.3
-37.5°	804.6	806.0	808.6	809.9	811.3	810.8	809.1	803.8	795.0	786.6	776.5
-42.5°	790.6	791.0	791.4	791.4	788.8	786.1	783.1	779.1	773.4	770.7	763.7
-47.5°	564.2	551.4	559.8	551.4	554.5	555.8	554.0	554.9	545.2	546.6	541.3
-55°	95.6	96.5	97.3	99.5	99.1	96.5	93.8	94.2	98.7	103.1	101.7
-65°	76.2	76.2	75.8	75.3	74.9	75.3	75.8	77.1	77.5	78.8	80.6
-75°	7.5	7.5	7.0	6.2	5.3	7.9	8.8	8.8	8.8	9.2	9.7
-85°	0.4	0.9	1.8	3.1	4.0	4.8	5.3	5.3	5.3	5.3	5.3
-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):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.4	4.4	4.0	3.5	2.6	1.8	1.3	0.9	0.4	0.4	0.9
75°	5.3	5.3	6.2	8.4	8.4	4.8	3.1	1.8	1.8	0.9	1.3
65°	43.6	25.1	15.4	11.5	8.4	7.5	5.7	4.8	5.7	1.8	1.3
55°	189.8	170.4	162.1	146.2	142.3	136.5	114.9	18.1	11.0	3.1	1.3
47.5°	639.9	608.7	573.4	540.0	508.7	469.0	399.9	54.2	14.1	4.0	1.8
42.5°	711.7	676.0	649.2	619.2	581.4	556.7	572.5	201.3	13.7	5.7	1.8
37.5°	982.1	956.2	906.4	875.1	829.8	815.7	817.9	335.2	11.9	8.4	1.8
33°	1491.7	1418.2	1347.7	1303.6	1232.3	1198.8	1058.8	449.2	13.7	11.0	1.8
29°	1563.9	1513.3	1457.8	1382.0	1345.5	1304.5	1161.4	552.7	16.7	13.7	1.8
25.5°	1479.8	1434.4	1383.8	1332.7	1305.4	1264.0	1147.3	617.5	20.3	16.3	2.2
22.5°	1397.9	1350.8	1306.3	1271.9	1253.4	1236.7	1117.3	664.2	24.2	18.1	2.2
19.5°	1328.7	1286.9	1248.1	1219.5	1215.6	1204.1	1054.4	701.1	28.6	19.8	2.2
17°	1266.6	1234.9	1207.6	1189.1	1191.8	1152.6	1008.6	732.0	32.6	21.1	2.2
15°	1231.0	1206.3	1187.8	1183.0	1176.4	1113.4	981.3	755.3	35.2	22.5	2.2
13°	1211.6	1187.8	1177.2	1182.5	1155.2	1078.6	961.4	778.2	37.9	23.3	2.2
11°	1207.6	1181.6	1174.6	1170.6	1131.4	1062.7	948.2	799.4	40.5	23.8	2.2
9°	1212.9	1187.8	1170.2	1145.5	1109.9	1056.1	943.8	817.4	41.4	24.2	2.2
7°	1216.9	1194.0	1165.3	1121.3	1083.4	1049.5	939.4	830.2	40.5	24.7	2.6
5°	1223.9	1197.9	1162.3	1098.8	1061.4	1037.6	935.0	838.6	38.8	24.7	2.6
3°	1226.1	1191.8	1153.5	1079.5	1043.8	1031.0	935.0	846.0	37.9	24.2	2.6
1°	1216.4	1176.4	1132.3	1063.6	1027.9	1020.9	933.7	850.0	37.0	23.8	2.6
0°	1209.0	1165.3	1122.2	1054.8	1020.9	1013.8	932.8	850.9	36.6	24.2	2.6
-1°	1199.3	1154.3	1112.5	1049.1	1013.0	1007.7	932.4	852.7	36.6	23.3	2.6
-3°	1173.3	1129.7	1097.1	1035.4	998.9	995.8	930.6	849.6	36.6	22.5	2.6
-5°	1152.6	1118.7	1087.0	1025.3	987.4	983.0	928.0	843.8	36.6	22.0	2.6
-7°	1141.1	1110.7	1074.6	1011.2	974.6	967.6	924.0	833.3	36.6	21.1	2.6
-9°	1125.7	1093.6	1055.7	991.8	955.7	947.3	918.7	821.4	36.6	20.7	2.6
-11°	1099.7	1064.9	1024.4	968.9	937.2	921.8	905.5	806.0	36.6	20.3	2.6
-13°	1059.6	1026.6	992.7	945.1	917.0	900.7	890.5	785.7	35.7	20.3	2.6
-15°	1023.5	989.6	959.2	925.3	901.1	883.5	878.6	762.4	35.2	20.3	2.6
-17°	983.0	951.3	928.0	904.6	887.0	869.4	865.9	735.1	34.8	20.7	2.6
-19.5°	935.0	908.6	895.8	882.2	865.9	851.8	851.3	697.6	34.4	20.7	2.6
-22.5°	917.8	891.8	879.1	867.2	849.1	836.4	836.8	645.7	33.0	20.7	2.6
-25.5°	893.6	867.6	854.4	844.7	835.5	823.1	825.8	586.6	31.7	20.3	2.6
-29°	845.2	824.0	815.7	805.5	801.6	806.4	815.2	510.9	31.3	19.4	2.6
-33°	795.0	779.1	765.4	746.1	737.3	759.3	793.6	415.8	31.7	18.1	2.6
-37.5°	764.6	750.5	729.3	698.5	672.5	686.2	727.6	313.1	31.7	15.4	2.6
-42.5°	747.8	739.9	714.4	688.8	646.5	583.1	554.9	199.5	32.2	11.5	2.6
-47.5°	540.0	523.7	512.6	493.7	461.6	388.0	304.8	66.1	30.8	6.6	2.6
-55°	111.0	110.5	119.8	110.1	85.9	61.7	63.9	21.6	25.1	4.4	2.6
-65°	90.7	98.2	72.2	45.4	26.4	18.9	25.5	18.5	10.6	3.1	2.2
-75°	9.7	9.2	7.0	7.9	8.8	7.9	7.5	4.8	3.5	2.6	1.8
-85°	4.8	4.8	4.8	4.4	4.0	3.5	3.1	2.6	2.2	2.2	1.8
-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):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)