

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: P507860

Luminaire Tested: **UFLD-S-CA1-20-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507860
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-CA1-20-760-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

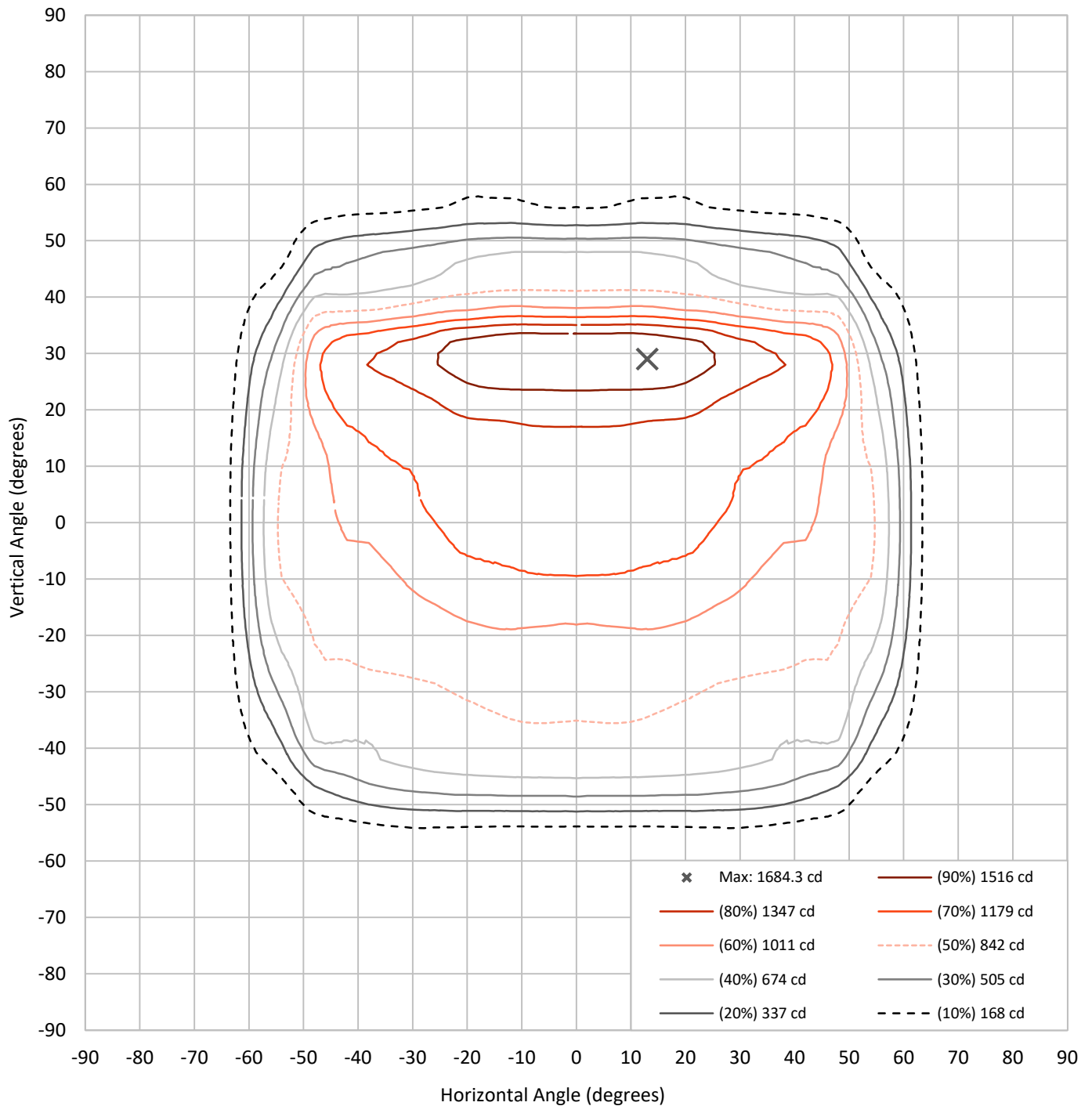
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	3065 lumens	Max Intensity:	1684.3 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	158.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	2234.7 lumens	Field Lumens:	2976.3 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

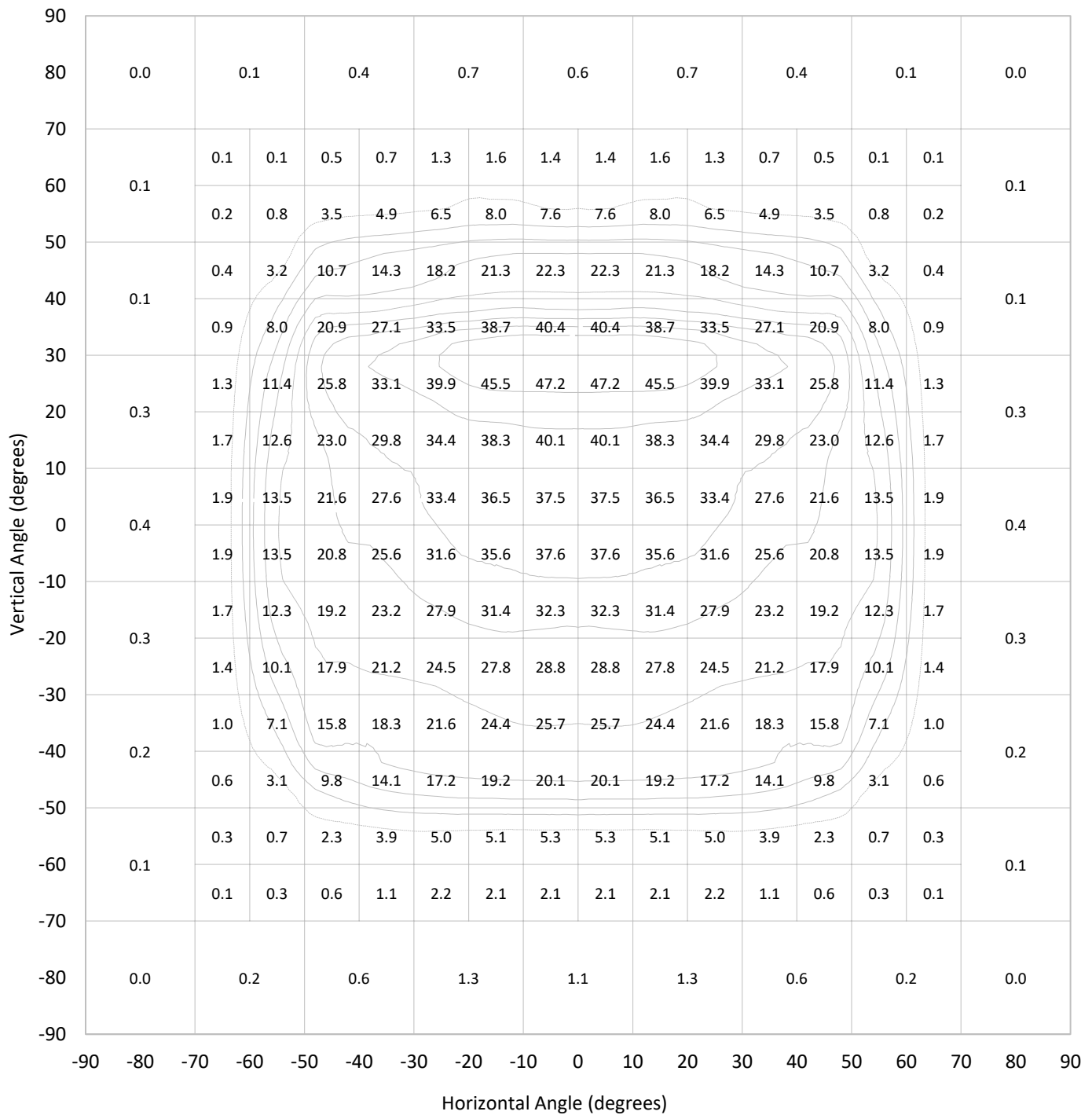




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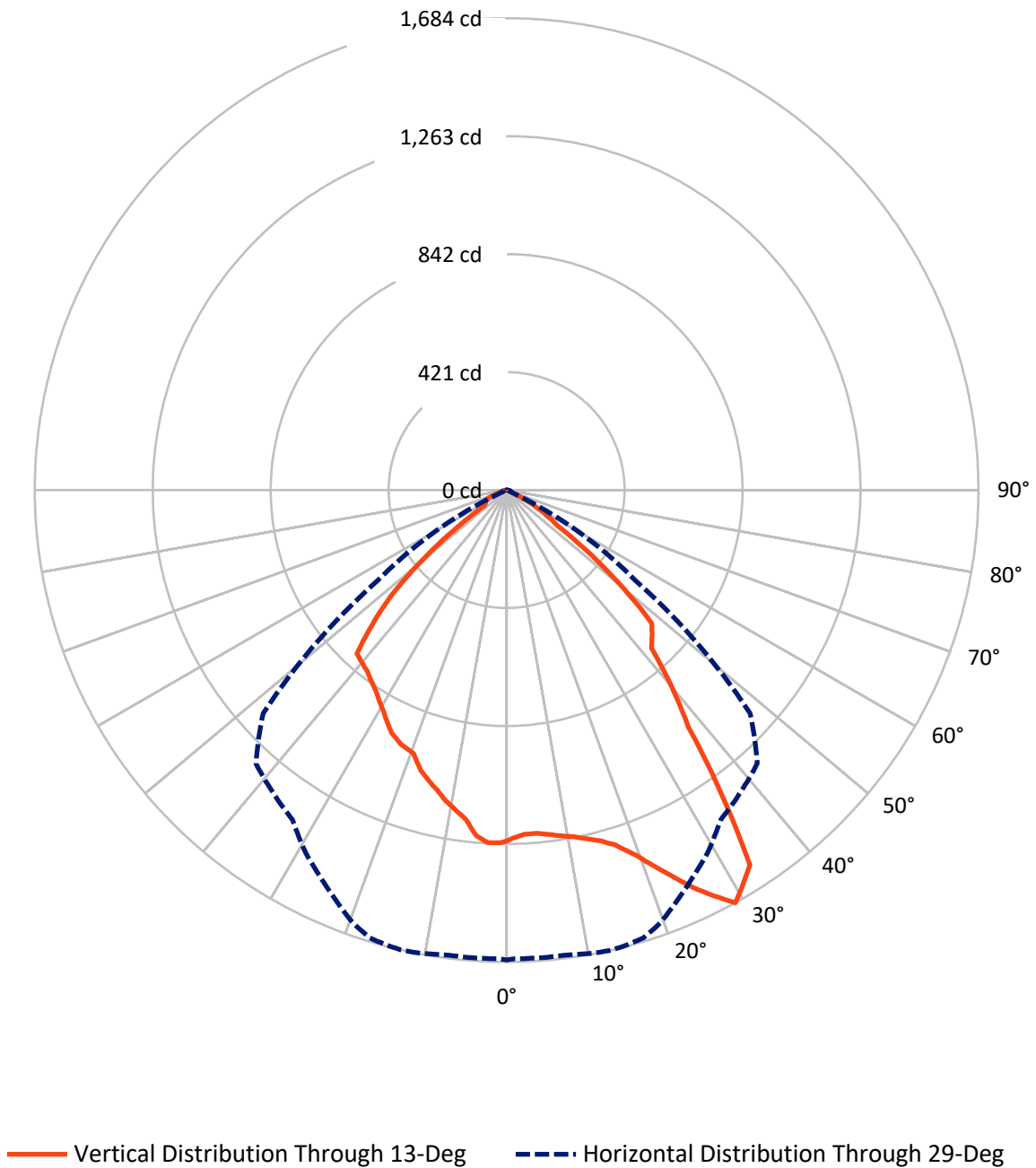
Lumen Table



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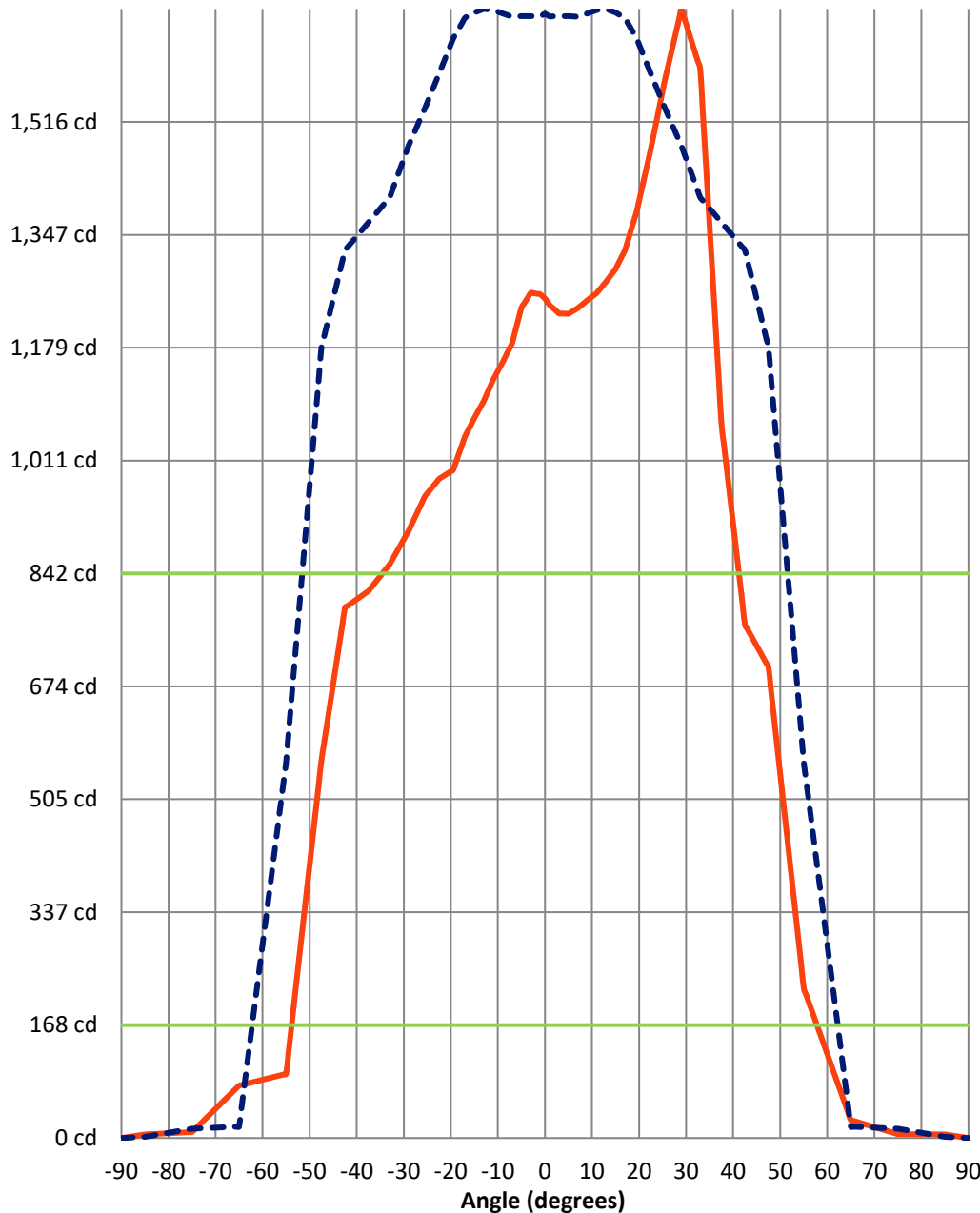
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 2234.7
 Efficiency: 72.9%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 2976.3
 Efficiency: 97.1%

Spill:
 Lumens: 88.7
 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	2.7	3.6	4.5	4.9	5.4	5.4	4.9	4.9
75°	4.0	4.0	4.5	4.0	3.6	4.5	6.3	5.8	6.3	7.2	5.8
65°	34.0	34.4	34.0	31.7	28.6	26.4	25.0	26.8	33.1	44.3	52.8
55°	182.0	172.6	172.6	177.5	187.3	202.1	211.0	223.6	209.7	218.2	215.1
47.5°	709.1	708.3	710.0	709.1	709.6	710.0	707.8	702.4	694.8	689.5	675.6
42.5°	764.6	765.9	767.7	769.5	770.9	770.0	768.2	765.9	758.3	751.2	742.7
37.5°	1040.9	1038.7	1049.0	1047.2	1048.5	1065.5	1062.4	1066.4	1053.9	1039.6	1005.6
33°	1606.5	1606.1	1611.9	1603.9	1611.0	1613.7	1610.1	1594.9	1582.4	1558.7	1539.5
29°	1677.2	1673.2	1673.6	1673.6	1672.7	1677.6	1682.6	1684.3	1679.0	1670.9	1640.1
25.5°	1582.4	1586.4	1580.2	1579.7	1577.9	1578.4	1578.8	1578.8	1571.7	1562.7	1542.6
22.5°	1485.4	1484.9	1484.5	1481.3	1480.4	1480.0	1479.6	1475.5	1473.3	1472.0	1458.1
19.5°	1393.7	1398.2	1397.7	1397.3	1396.8	1394.2	1388.8	1382.5	1379.4	1379.8	1376.3
17°	1345.4	1343.2	1344.1	1343.6	1343.6	1338.3	1330.2	1324.4	1318.1	1314.6	1308.7
15°	1313.7	1314.1	1315.0	1313.2	1310.5	1307.9	1303.4	1296.2	1289.5	1282.8	1272.5
13°	1295.3	1294.9	1294.4	1291.3	1290.0	1286.4	1281.5	1277.5	1271.2	1264.5	1252.9
11°	1282.8	1281.9	1281.0	1278.3	1276.1	1271.6	1266.3	1260.5	1256.4	1253.3	1247.0
9°	1262.7	1262.2	1263.1	1260.9	1260.5	1258.2	1253.3	1249.7	1246.6	1247.5	1246.2
7°	1246.6	1247.0	1247.5	1246.2	1246.2	1244.4	1241.2	1238.1	1238.1	1242.1	1245.3
5°	1234.1	1232.7	1232.7	1232.7	1233.2	1232.3	1231.4	1229.6	1231.4	1237.7	1246.6
3°	1220.7	1220.2	1222.9	1224.2	1225.1	1227.4	1229.6	1230.1	1233.2	1243.5	1255.5
1°	1214.4	1215.3	1216.6	1220.2	1223.8	1229.6	1236.8	1242.6	1245.3	1252.0	1254.6
0°	1212.2	1213.1	1216.2	1222.5	1229.2	1238.6	1244.8	1252.4	1250.6	1252.0	1251.1
-1°	1222.9	1225.1	1226.5	1237.2	1245.7	1252.4	1258.2	1258.7	1253.8	1251.1	1246.6
-3°	1267.2	1266.3	1269.4	1270.7	1276.1	1275.2	1269.4	1260.9	1247.5	1237.7	1224.2
-5°	1285.1	1283.3	1281.5	1283.3	1281.0	1270.3	1258.2	1238.6	1218.4	1202.8	1189.4
-7°	1254.6	1256.0	1250.2	1250.2	1236.8	1224.7	1201.4	1185.3	1173.7	1168.8	1170.6
-9°	1192.5	1184.9	1185.3	1184.4	1181.8	1169.2	1162.1	1157.2	1154.5	1154.9	1157.2
-11°	1132.6	1132.1	1133.0	1129.9	1130.3	1130.8	1130.8	1131.2	1132.1	1133.0	1133.0
-13°	1098.2	1095.9	1097.3	1096.8	1098.2	1098.2	1099.5	1099.5	1100.8	1101.3	1098.2
-15°	1074.0	1073.1	1073.1	1074.0	1073.6	1072.2	1073.1	1074.0	1072.2	1069.5	1061.9
-17°	1027.5	1017.2	1026.6	1031.1	1034.2	1036.0	1038.2	1046.3	1044.0	1035.1	1025.7
-19.5°	987.3	986.4	987.3	988.2	990.4	993.5	996.2	996.7	992.2	985.0	973.8
-22.5°	971.2	970.7	972.1	973.8	976.1	979.2	981.9	983.2	980.1	972.5	960.0
-25.5°	946.1	946.6	947.9	949.3	951.0	952.8	955.1	957.3	956.4	949.3	937.6
-29°	913.0	912.6	913.5	914.8	916.6	913.0	909.5	905.4	901.0	894.3	881.3
-33°	864.3	864.3	865.2	867.0	867.4	865.2	860.7	855.8	847.3	837.0	823.6
-37.5°	816.9	818.2	820.9	822.3	823.6	823.2	821.4	816.0	807.1	798.6	788.3
-42.5°	802.6	803.0	803.5	803.5	800.8	798.1	795.0	791.0	785.2	782.5	775.3
-47.5°	572.8	559.8	568.3	559.8	562.9	564.3	562.5	563.4	553.5	554.9	549.5
-55°	97.0	97.9	98.8	101.1	100.6	97.9	95.2	95.7	100.2	104.6	103.3
-65°	77.4	77.4	76.9	76.5	76.0	76.5	76.9	78.2	78.7	80.0	81.8
-75°	7.6	7.6	7.2	6.3	5.4	8.0	8.9	8.9	8.9	9.4	9.8
-85°	0.4	0.9	1.8	3.1	4.0	4.9	5.4	5.4	5.4	5.4	5.4
-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):

	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°	4.5	4.5	4.0	3.6	2.7	1.8	1.3	0.9	0.4	0.4	0.9
75°	5.4	5.4	6.3	8.5	8.5	4.9	3.1	1.8	1.8	0.9	1.3
65°	44.3	25.5	15.6	11.6	8.5	7.6	5.8	4.9	5.8	1.8	1.3
55°	192.7	173.0	164.5	148.4	144.4	138.6	116.7	18.3	11.2	3.1	1.3
47.5°	649.7	617.9	582.2	548.2	516.4	476.2	406.0	55.0	14.3	4.0	1.8
42.5°	722.6	686.3	659.1	628.7	590.2	565.2	581.3	204.3	13.9	5.8	1.8
37.5°	997.1	970.7	920.2	888.4	842.4	828.1	830.3	340.3	12.1	8.5	1.8
33°	1514.4	1439.8	1368.2	1323.5	1251.1	1217.1	1074.9	456.1	13.9	11.2	1.8
29°	1587.8	1536.3	1480.0	1403.1	1366.0	1324.4	1179.1	561.1	17.0	13.9	1.8
25.5°	1502.4	1456.3	1404.9	1353.0	1325.3	1283.3	1164.8	626.9	20.6	16.5	2.2
22.5°	1419.2	1371.3	1326.2	1291.3	1272.5	1255.5	1134.4	674.3	24.6	18.3	2.2
19.5°	1349.0	1306.5	1267.2	1238.1	1234.1	1222.5	1070.4	711.8	29.1	20.1	2.2
17°	1285.9	1253.8	1226.0	1207.3	1209.9	1170.1	1023.9	743.1	33.1	21.5	2.2
15°	1249.7	1224.7	1205.9	1201.0	1194.3	1130.3	996.2	766.8	35.8	22.8	2.2
13°	1230.1	1205.9	1195.2	1200.5	1172.8	1095.0	976.1	790.1	38.5	23.7	2.2
11°	1226.0	1199.6	1192.5	1188.5	1148.7	1078.9	962.7	811.5	41.1	24.1	2.2
9°	1231.4	1205.9	1188.0	1163.0	1126.8	1072.2	958.2	829.9	42.0	24.6	2.2
7°	1235.4	1212.2	1183.1	1138.4	1099.9	1065.5	953.7	842.8	41.1	25.0	2.7
5°	1242.6	1216.2	1180.0	1115.6	1077.6	1053.4	949.3	851.3	39.3	25.0	2.7
3°	1244.8	1209.9	1171.0	1095.9	1059.7	1046.7	949.3	858.9	38.5	24.6	2.7
1°	1235.0	1194.3	1149.6	1079.8	1043.6	1036.4	947.9	863.0	37.6	24.1	2.7
0°	1227.4	1183.1	1139.3	1070.9	1036.4	1029.3	947.0	863.9	37.1	24.6	2.7
-1°	1217.5	1171.9	1129.5	1065.1	1028.4	1023.0	946.6	865.6	37.1	23.7	2.7
-3°	1191.2	1146.9	1113.8	1051.2	1014.1	1011.0	944.8	862.5	37.1	22.8	2.7
-5°	1170.1	1135.7	1103.5	1040.9	1002.5	998.0	942.1	856.7	37.1	22.4	2.7
-7°	1158.5	1127.7	1091.0	1026.6	989.5	982.3	938.1	846.0	37.1	21.5	2.7
-9°	1142.9	1110.2	1071.8	1006.9	970.3	961.8	932.7	833.9	37.1	21.0	2.7
-11°	1116.5	1081.2	1040.0	983.7	951.5	935.8	919.3	818.2	37.1	20.6	2.7
-13°	1075.8	1042.3	1007.8	959.5	930.9	914.4	904.1	797.7	36.2	20.6	2.7
-15°	1039.1	1004.7	973.8	939.4	914.8	896.9	892.0	774.0	35.8	20.6	2.7
-17°	998.0	965.8	942.1	918.4	900.5	882.6	879.1	746.3	35.3	21.0	2.7
-19.5°	949.3	922.4	909.5	895.6	879.1	864.7	864.3	708.3	34.9	21.0	2.7
-22.5°	931.8	905.4	892.5	880.4	862.1	849.1	849.5	655.5	33.5	21.0	2.7
-25.5°	907.2	880.8	867.4	857.6	848.2	835.7	838.4	595.6	32.2	20.6	2.7
-29°	858.0	836.6	828.1	817.8	813.8	818.7	827.6	518.7	31.7	19.7	2.7
-33°	807.1	791.0	777.1	757.4	748.5	770.9	805.7	422.1	32.2	18.3	2.7
-37.5°	776.2	761.9	740.4	709.1	682.8	696.6	738.7	317.9	32.2	15.6	2.7
-42.5°	759.2	751.2	725.2	699.3	656.4	592.0	563.4	202.5	32.6	11.6	2.7
-47.5°	548.2	531.6	520.5	501.2	468.6	393.9	309.4	67.1	31.3	6.7	2.7
-55°	112.7	112.2	121.6	111.8	87.2	62.6	64.8	21.9	25.5	4.5	2.7
-65°	92.1	99.7	73.3	46.1	26.8	19.2	25.9	18.8	10.7	3.1	2.2
-75°	9.8	9.4	7.2	8.0	8.9	8.0	7.6	4.9	3.6	2.7	1.8
-85°	4.9	4.9	4.9	4.5	4.0	3.6	3.1	2.7	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)