

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: P571704

Luminaire Tested: **UFLD-S-CA1-30-730-U-66-TS2LW_NFFLD**

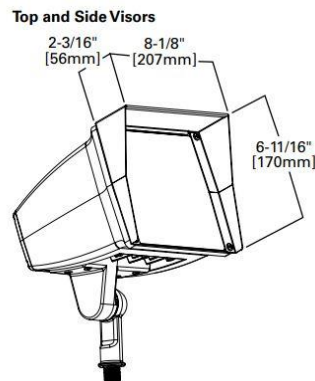
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-S-CA1-30-730-U-66-TS2LW_NFFLD
Description: FLOOD LIGHT SMALL, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

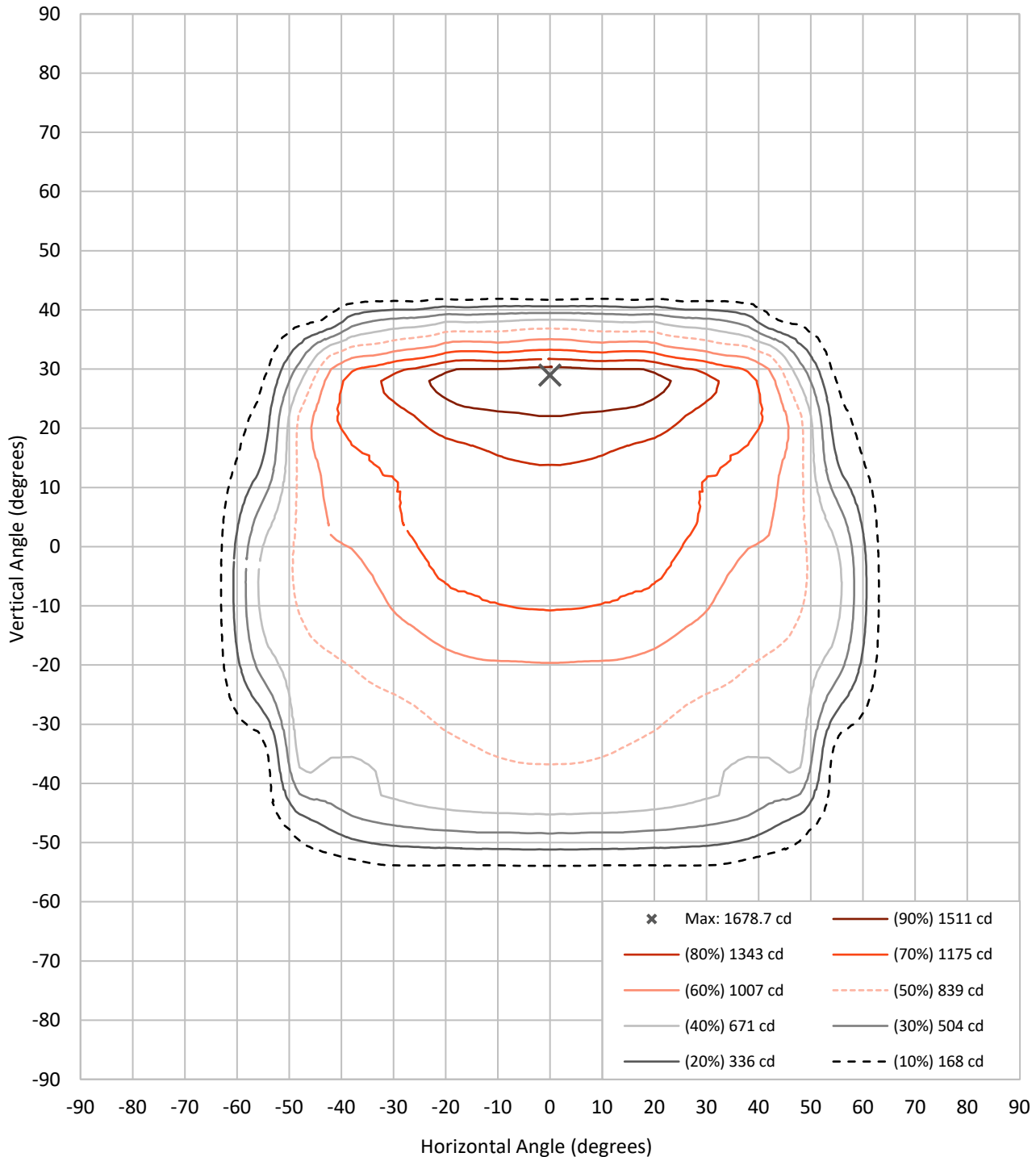
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	2617 lumens	Max Intensity:	1678.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	134.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.2°H x 73.7°V	Field Angle (10%):	108.6°H x 95.6°V
Beam Lumens:	1891 lumens	Field Lumens:	2546.3 lumens
Beam Efficiency:	72.3%	Field Efficiency:	97.3%
Input Watts (W):	19.4		
Input Voltage (V):	120		
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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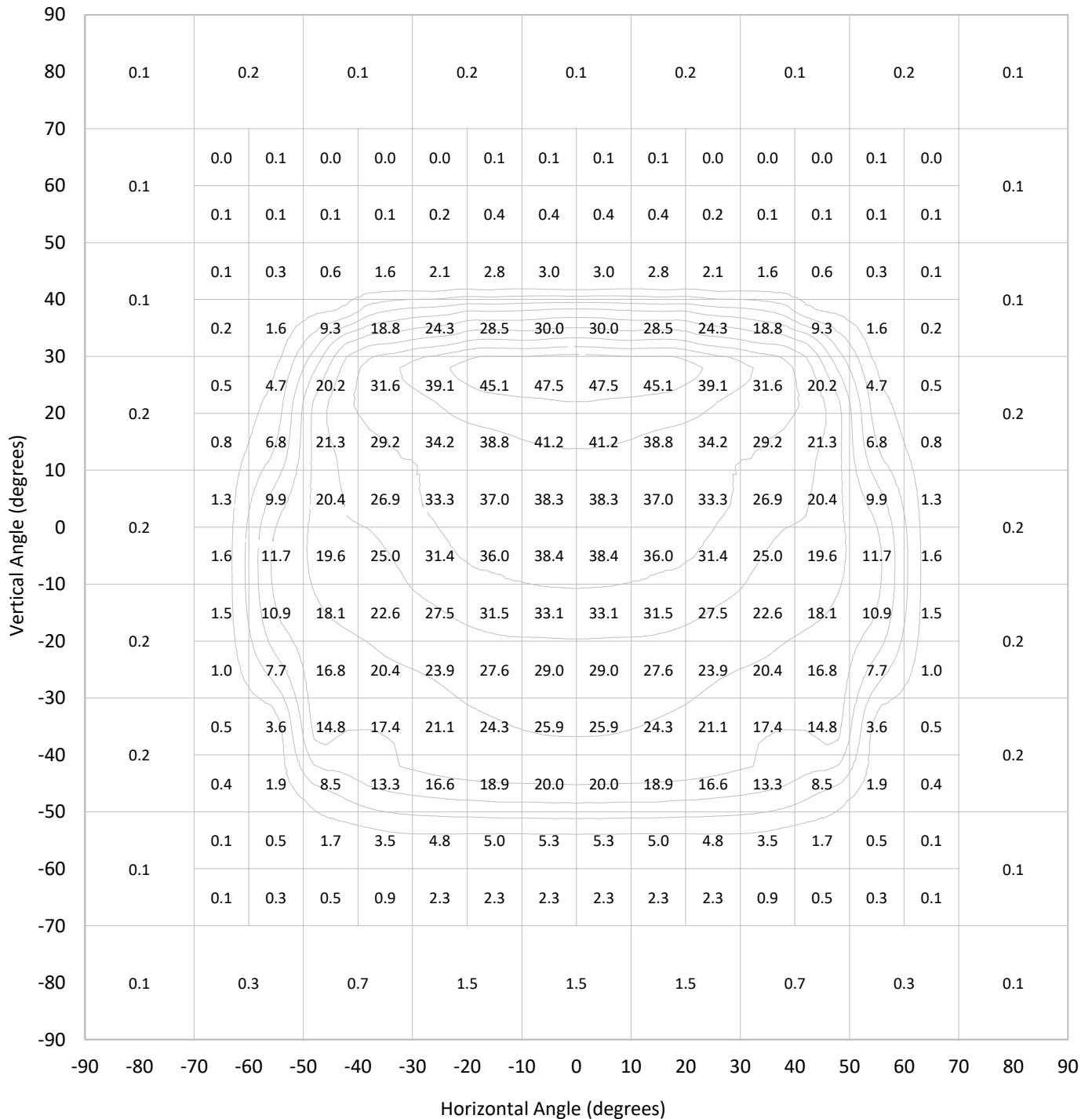
Iso-Candela Plot





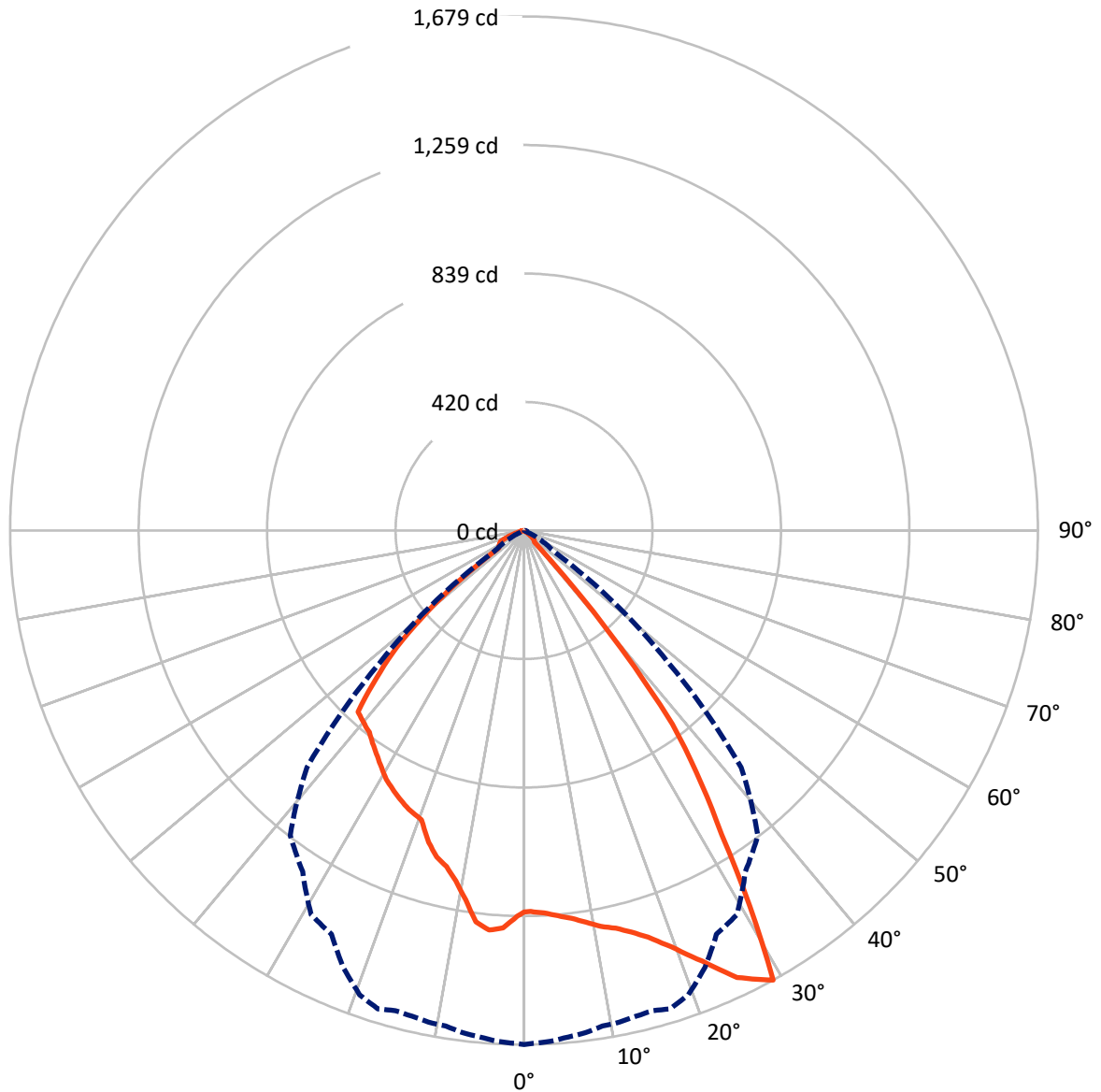
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Lumen Table



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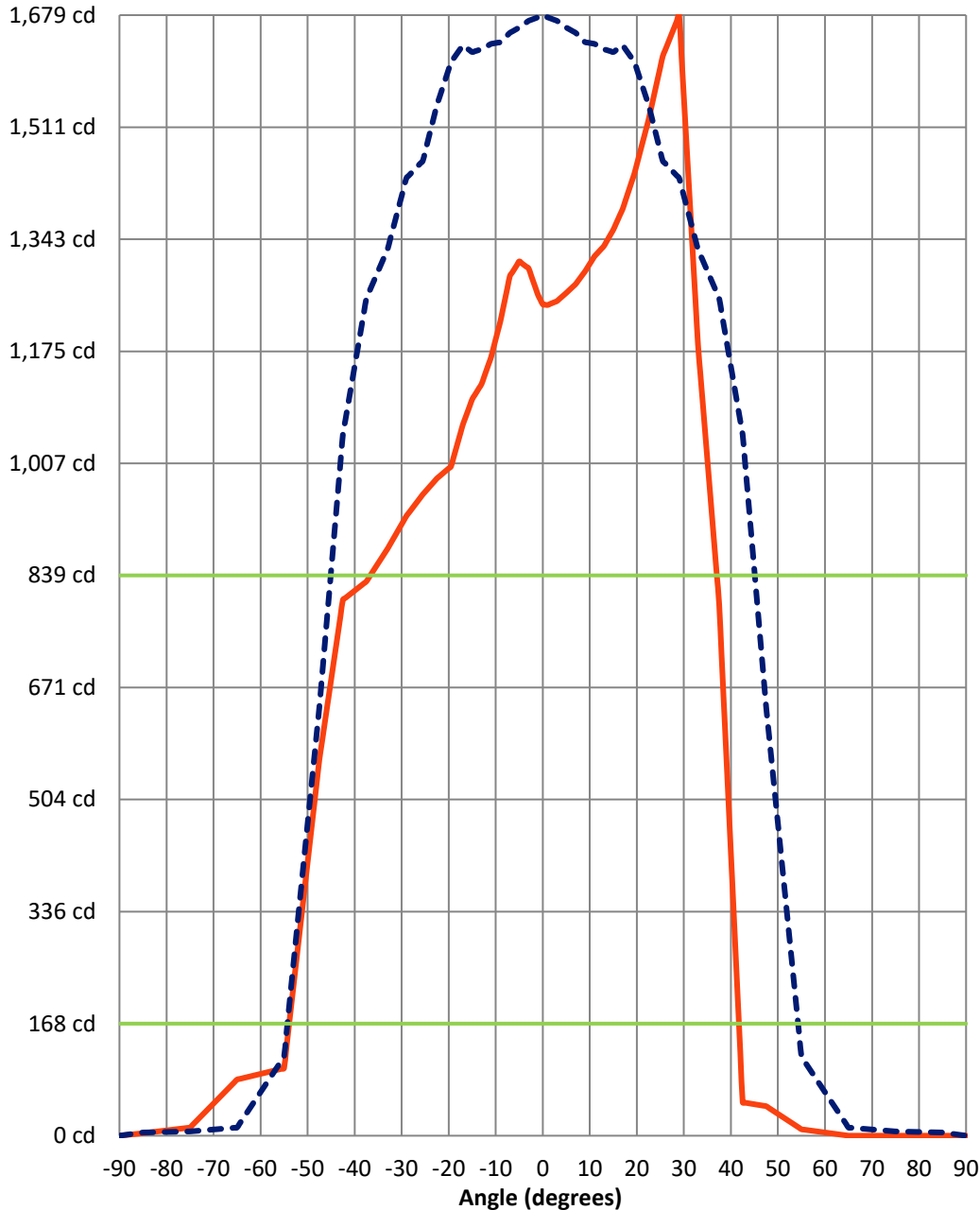
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.2°
 V Angle: 73.7°
 Lumens: 1891
 Efficiency: 72.3%

Field:
 H Angle: 108.6°
 V Angle: 95.6°
 Lumens: 2546.3
 Efficiency: 97.3%

Spill:
 Lumens: 70.7
 Efficiency: 2.7%

- Vertical Distribution through 0-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	0.5	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.5	0.5	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.1
65°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1
55°	9.6	9.6	9.6	9.6	9.6	9.6	10.1	9.6	9.0	9.0	9.0
47.5°	44.2	44.2	44.2	42.0	40.5	39.9	38.9	36.7	35.7	36.7	35.7
42.5°	50.0	51.1	58.5	69.7	79.3	86.8	86.8	79.8	62.8	52.2	84.1
37.5°	796.8	789.8	800.0	779.7	766.4	746.7	740.9	732.9	725.4	734.0	745.1
33°	1185.3	1172.5	1185.8	1158.2	1149.1	1130.5	1141.1	1164.0	1169.3	1172.5	1148.0
29°	1678.7	1675.5	1670.2	1660.1	1652.1	1638.2	1635.6	1627.6	1623.3	1633.4	1608.4
25.5°	1616.9	1618.5	1611.6	1604.7	1596.2	1598.8	1591.9	1585.0	1577.6	1562.1	1531.3
22.5°	1522.2	1525.9	1519.0	1508.9	1502.5	1500.9	1494.0	1486.0	1479.1	1473.8	1453.0
19.5°	1441.8	1443.4	1440.8	1435.5	1430.7	1424.8	1414.2	1402.5	1391.8	1389.1	1379.6
17°	1388.6	1390.2	1388.1	1383.8	1379.0	1370.5	1360.4	1347.1	1336.5	1327.9	1313.6
15°	1357.2	1358.3	1356.7	1352.4	1346.6	1340.2	1332.2	1321.6	1309.8	1297.1	1279.5
13°	1332.7	1333.8	1332.2	1327.4	1322.1	1315.7	1308.8	1299.7	1289.6	1278.4	1263.5
11°	1317.3	1317.8	1315.2	1311.4	1305.6	1299.2	1291.7	1281.6	1274.2	1267.8	1259.3
9°	1294.9	1295.5	1294.4	1291.2	1288.6	1282.2	1276.3	1268.3	1262.5	1260.3	1257.7
7°	1275.8	1276.3	1276.3	1272.6	1269.9	1265.7	1260.9	1254.5	1251.3	1252.9	1255.6
5°	1262.5	1263.5	1263.0	1259.8	1257.7	1255.0	1252.4	1248.1	1244.4	1250.2	1257.7
3°	1250.2	1250.2	1251.3	1249.7	1249.2	1249.7	1250.2	1248.6	1247.6	1255.6	1265.7
1°	1244.4	1244.4	1246.5	1247.0	1248.6	1251.8	1258.2	1262.5	1263.5	1260.9	1296.5
0°	1245.4	1245.4	1248.6	1252.9	1257.7	1264.6	1269.9	1272.6	1269.9	1260.3	1362.0
-1°	1259.3	1257.7	1259.8	1267.3	1272.6	1279.0	1280.6	1278.4	1271.0	1257.2	1274.7
-3°	1299.2	1300.3	1299.7	1300.8	1300.8	1299.2	1290.7	1275.2	1258.7	1240.1	1225.2
-5°	1309.8	1313.0	1309.8	1306.1	1302.9	1289.1	1273.1	1250.8	1221.0	1203.4	1188.5
-7°	1287.5	1282.7	1280.0	1272.1	1261.4	1240.1	1219.9	1197.0	1180.5	1175.7	1172.0
-9°	1220.4	1216.7	1215.1	1211.4	1204.5	1189.6	1181.0	1172.0	1166.1	1166.1	1161.9
-11°	1166.1	1164.0	1162.9	1159.2	1158.2	1151.2	1150.2	1147.0	1142.2	1142.2	1134.7
-13°	1126.2	1126.2	1126.2	1124.6	1120.9	1118.2	1117.7	1115.0	1109.2	1107.1	1095.9
-15°	1103.3	1103.9	1101.7	1099.6	1094.8	1091.6	1088.4	1084.2	1076.7	1070.9	1056.5
-17°	1065.0	1062.4	1064.5	1060.2	1060.2	1057.0	1056.0	1053.8	1046.4	1037.9	1020.3
-19.5°	1002.7	1003.3	1002.2	999.0	997.4	996.9	996.4	993.2	985.2	976.1	962.3
-22.5°	984.6	984.1	982.5	980.4	978.8	977.2	977.7	976.1	968.7	959.6	945.8
-25.5°	960.7	960.2	958.6	955.9	952.7	949.5	950.6	948.5	942.6	935.1	923.4
-29°	928.2	926.6	925.0	922.9	917.6	909.6	903.7	899.0	892.6	886.7	873.4
-33°	879.3	878.7	878.7	876.6	871.8	865.4	858.5	851.6	842.5	833.5	818.1
-37.5°	830.3	830.3	830.3	829.2	827.1	823.9	820.2	813.8	804.7	794.1	779.7
-42.5°	802.6	802.1	802.6	800.0	796.8	792.5	789.3	783.5	776.5	771.2	762.7
-47.5°	563.1	554.6	559.4	560.4	550.3	553.0	551.9	552.5	548.7	538.6	529.6
-55°	101.1	101.1	102.2	103.8	102.7	100.1	96.9	96.9	100.6	102.2	100.1
-65°	84.1	84.1	84.1	83.6	83.6	83.0	83.0	83.0	83.0	83.0	85.7
-75°	12.2	11.7	12.2	12.2	11.2	11.7	13.3	13.3	13.3	13.3	13.3
-85°	3.7	3.7	3.7	5.3	5.9	6.4	6.4	6.9	6.9	6.4	6.4
-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°	2.1	2.1	2.1	1.6	1.6	2.1	2.1	2.7	3.7	4.3	4.3
75°	1.1	1.1	1.1	1.1	1.6	2.1	2.1	2.7	3.7	4.3	4.8
65°	1.1	1.1	1.1	1.1	1.1	1.6	2.1	3.2	3.7	4.3	4.8
55°	8.0	5.9	4.3	4.8	5.9	4.3	3.2	3.7	4.3	4.8	4.8
47.5°	28.7	17.6	11.2	10.1	11.2	8.5	6.9	6.9	9.0	4.8	4.8
42.5°	81.4	30.9	56.4	61.7	53.2	17.0	24.0	18.6	10.6	5.3	4.8
37.5°	680.7	647.7	630.2	582.8	499.2	208.6	152.8	25.5	11.2	5.3	4.8
33°	1071.4	1044.3	1010.2	941.5	933.0	792.5	432.2	52.7	11.2	5.9	4.8
29°	1544.0	1460.5	1434.4	1327.9	1254.5	1050.1	641.9	118.2	12.2	6.4	4.8
25.5°	1488.7	1437.6	1380.6	1322.6	1261.4	1109.2	786.1	171.9	13.8	6.4	4.8
22.5°	1408.3	1357.2	1308.8	1266.2	1231.1	1147.0	899.5	213.4	16.0	6.4	4.8
19.5°	1343.9	1299.2	1255.0	1214.0	1197.5	1149.6	937.3	246.4	19.2	6.4	4.8
17°	1281.1	1246.0	1214.0	1185.8	1180.0	1117.2	932.0	275.2	24.5	6.9	4.8
15°	1246.5	1212.4	1189.6	1178.4	1166.7	1076.7	925.0	303.4	27.7	6.9	4.8
13°	1228.4	1193.8	1177.8	1181.6	1144.3	1049.0	915.5	348.1	30.9	6.9	4.8
11°	1226.3	1188.0	1177.3	1166.1	1117.7	1039.5	908.5	402.4	32.5	6.9	4.8
9°	1232.7	1198.6	1176.3	1136.3	1094.8	1036.3	903.7	465.2	33.0	7.5	5.3
7°	1238.0	1205.5	1175.2	1109.7	1071.4	1027.8	895.8	523.2	31.9	7.5	5.3
5°	1246.0	1210.8	1172.5	1089.0	1052.2	1018.2	888.8	581.7	30.3	7.5	5.3
3°	1244.4	1200.2	1162.4	1069.3	1036.3	1010.7	883.5	632.8	29.8	7.5	5.3
1°	1232.1	1181.6	1139.5	1054.4	1019.8	999.5	880.9	675.9	29.8	8.0	5.3
0°	1225.2	1170.9	1125.7	1047.4	1011.3	994.2	879.8	695.1	29.3	8.0	5.3
-1°	1213.5	1157.1	1117.2	1041.1	1003.8	986.8	877.7	709.5	29.3	8.0	5.3
-3°	1184.8	1134.7	1102.3	1027.2	991.0	974.5	876.1	728.6	29.8	8.0	5.3
-5°	1163.5	1125.2	1090.0	1015.0	981.5	961.8	871.8	738.2	30.3	8.0	5.3
-7°	1154.4	1115.6	1076.2	999.0	966.5	945.8	867.0	739.8	30.3	8.0	5.3
-9°	1141.1	1099.1	1054.9	978.8	947.9	926.1	862.2	735.0	30.9	8.5	5.3
-11°	1110.3	1065.5	1021.9	957.5	927.2	901.6	850.5	726.5	30.9	8.5	5.3
-13°	1069.3	1026.2	986.2	933.5	906.4	880.9	839.3	709.5	30.9	8.5	5.3
-15°	1027.2	986.2	952.7	912.8	888.8	862.8	829.2	683.4	30.9	8.5	5.3
-17°	987.3	946.9	919.2	891.5	870.7	845.2	817.5	649.3	31.4	8.5	5.3
-19.5°	934.1	902.1	882.5	866.0	847.3	823.9	805.3	596.1	30.9	8.0	5.3
-22.5°	914.4	883.5	866.0	849.5	829.2	805.8	796.8	509.9	29.3	8.0	5.3
-25.5°	889.4	857.4	837.7	823.9	812.7	790.4	795.2	407.2	28.2	8.0	5.3
-29°	843.1	817.0	797.3	782.4	772.8	768.6	798.9	273.6	29.3	7.5	5.3
-33°	794.6	770.7	745.7	722.8	707.9	717.5	788.8	107.5	30.3	7.5	5.3
-37.5°	760.6	737.7	709.5	674.9	642.4	640.8	721.2	55.4	31.4	7.5	5.3
-42.5°	740.9	723.8	695.6	666.4	622.2	532.2	504.0	68.7	30.3	6.9	5.3
-47.5°	524.3	509.9	496.0	473.2	437.5	342.2	229.4	45.8	24.0	5.9	4.8
-55°	108.0	107.0	110.7	105.4	63.3	34.1	46.8	20.2	7.5	5.9	4.8
-65°	94.2	103.8	78.2	42.6	14.4	18.1	26.1	15.4	5.9	5.3	4.8
-75°	12.8	12.2	9.0	9.0	10.1	9.6	6.9	4.8	4.8	4.8	4.8
-85°	5.9	5.3	5.3	4.8	4.8	4.3	4.3	3.7	4.3	4.8	4.8
-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)