

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: P507858

Luminaire Tested: **UFLD-S-CA1-20-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507858
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-CA1-20-740-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

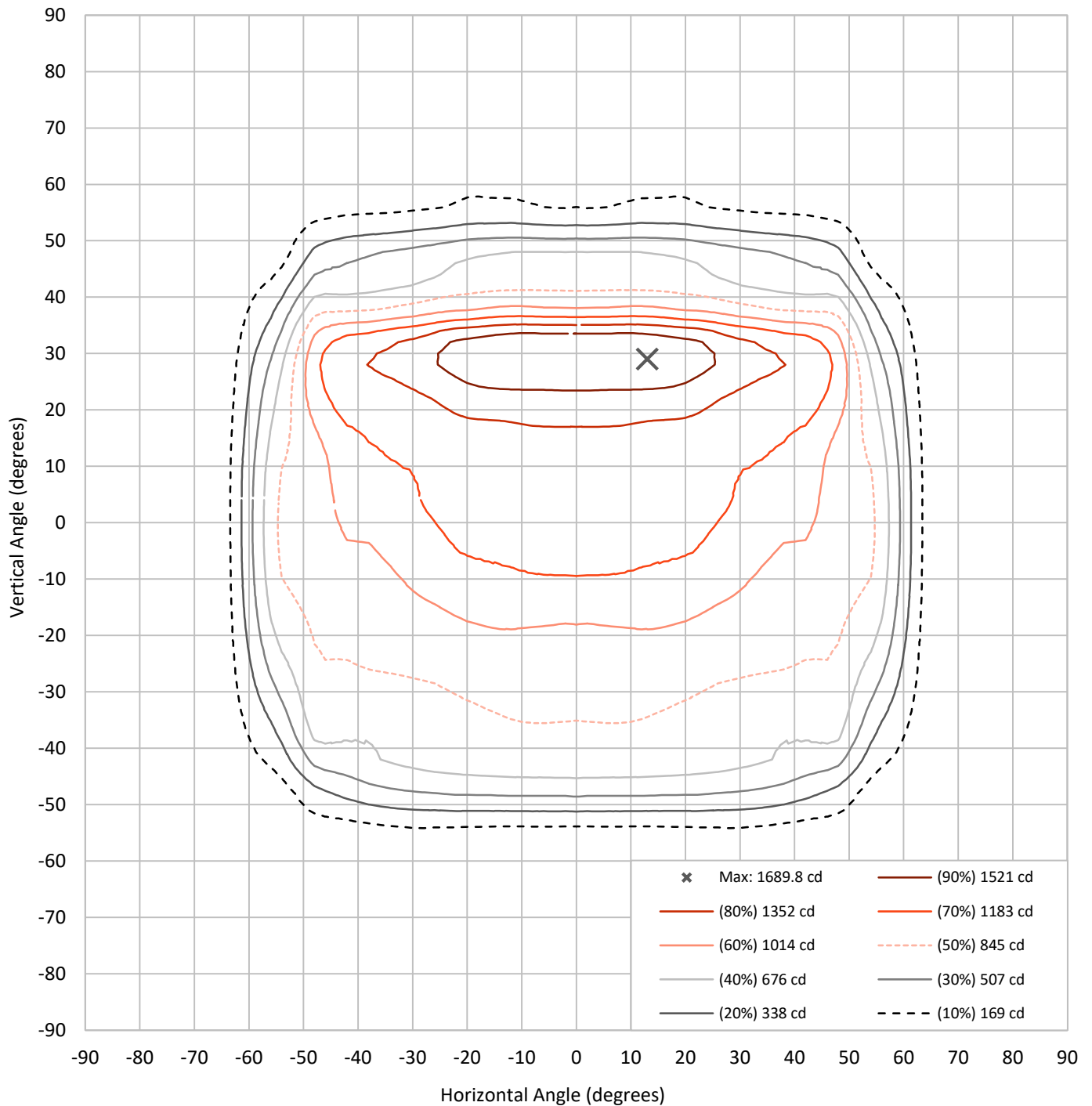
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	3075 lumens	Max Intensity:	1689.8 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	158.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	2246.7 lumens	Field Lumens:	2986 lumens
Beam Efficiency:	73.1%	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

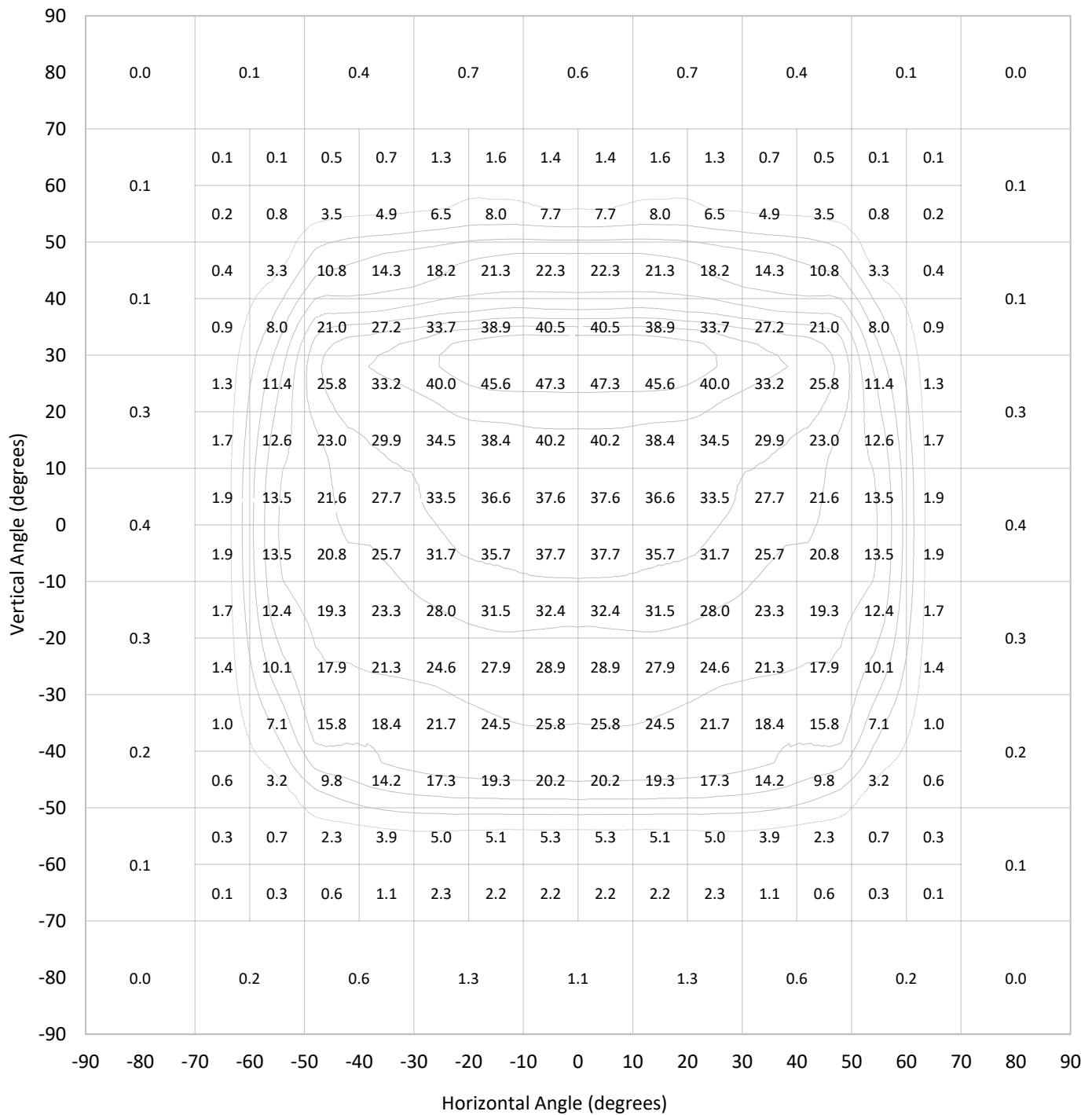




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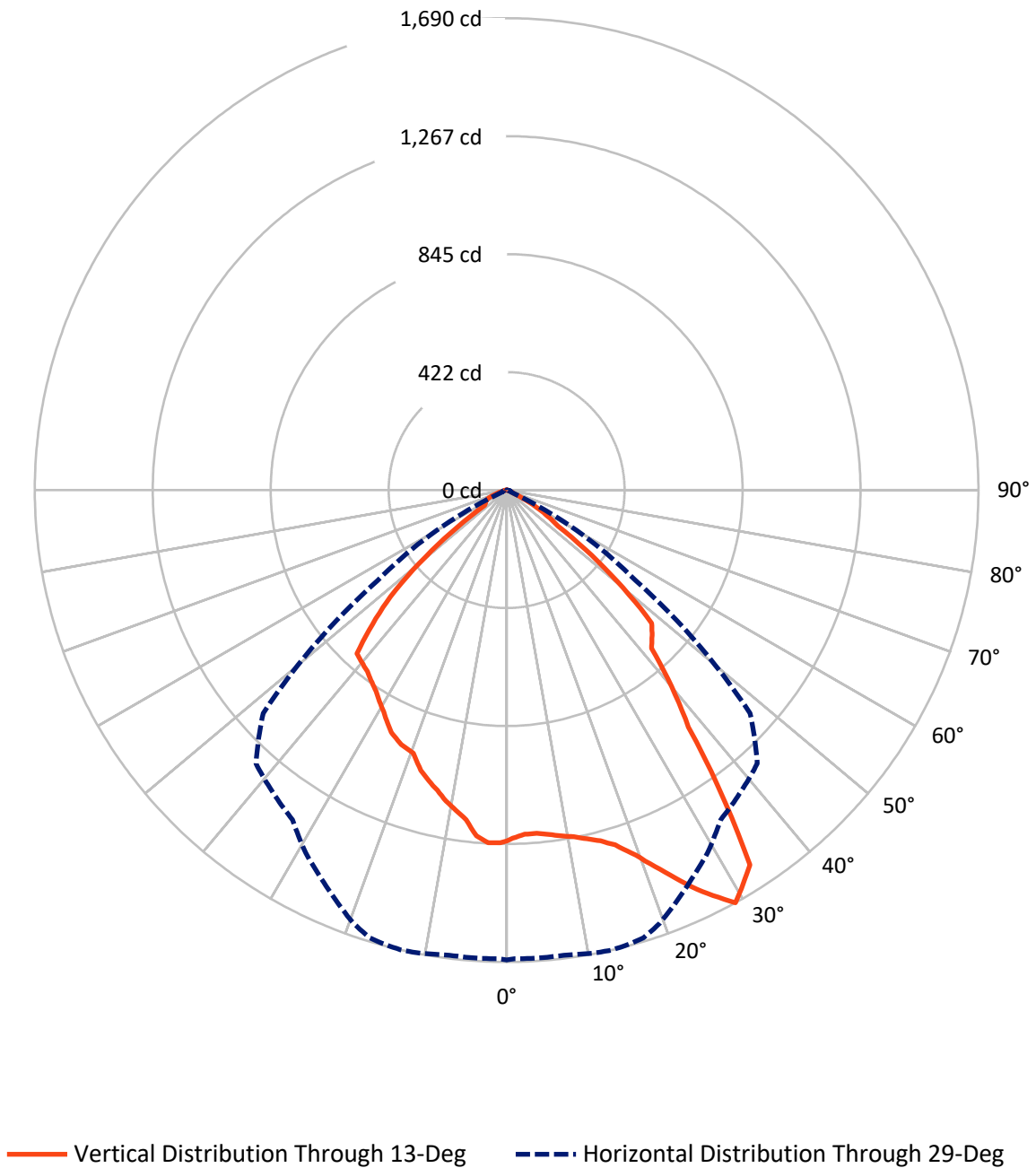
Lumen Table



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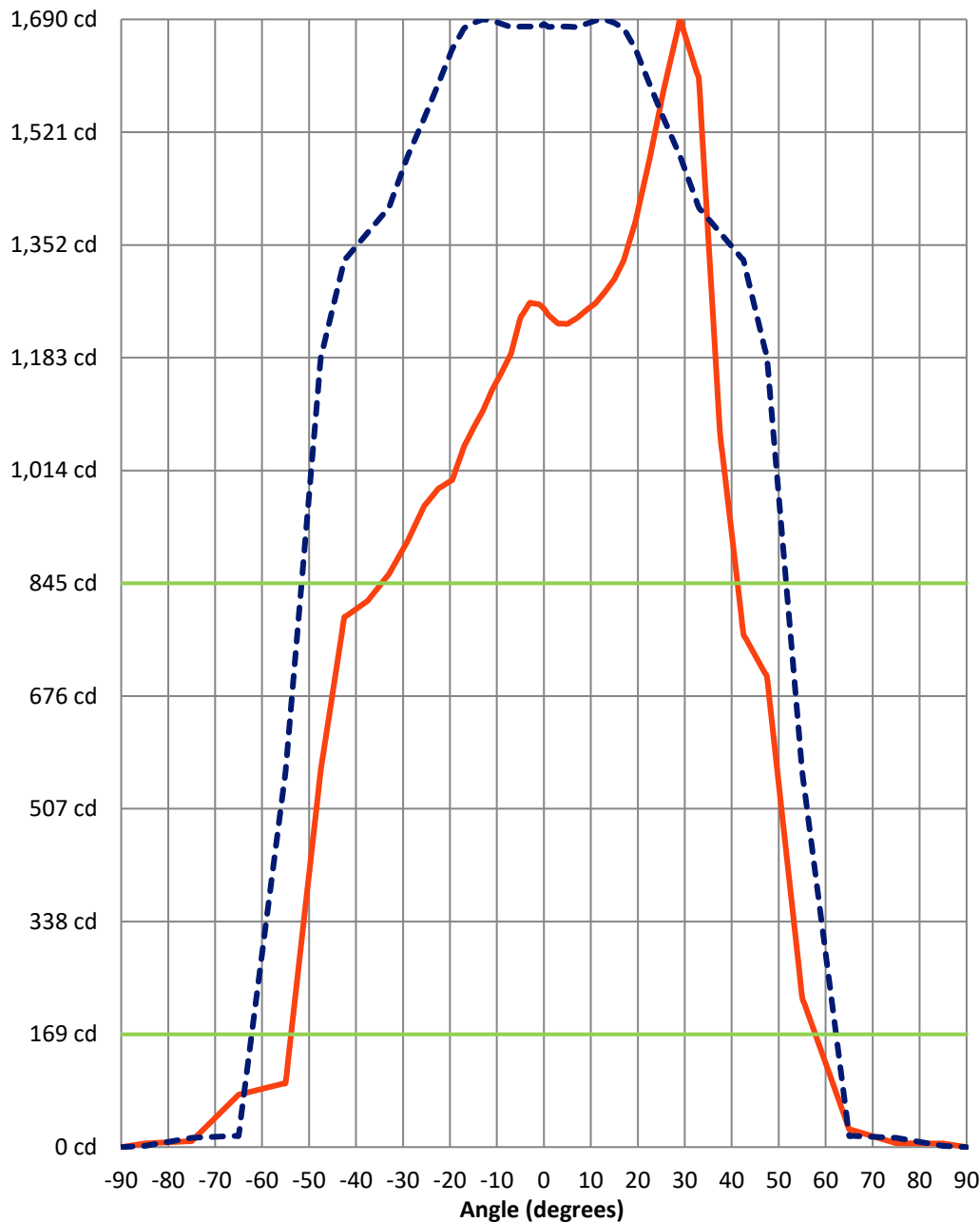
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 2246.7
 Efficiency: 73.1%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 2986
 Efficiency: 97.1%

Spill:
 Lumens: 89
 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°	34.1	34.5	34.1	31.8	28.7	26.5	25.1	26.9	33.2	44.4	52.9
55°	182.6	173.2	173.2	178.1	188.0	202.8	211.7	224.3	210.4	218.9	215.8
47.5°	711.5	710.6	712.4	711.5	711.9	712.4	710.1	704.7	697.1	691.7	677.8
42.5°	767.1	768.4	770.2	772.0	773.4	772.5	770.7	768.4	760.8	753.6	745.1
37.5°	1044.3	1042.1	1052.4	1050.6	1051.9	1069.0	1065.8	1069.9	1057.3	1043.0	1008.9
33°	1611.8	1611.3	1617.2	1609.1	1616.3	1619.0	1615.4	1600.1	1587.6	1563.8	1544.5
29°	1682.7	1678.6	1679.1	1679.1	1678.2	1683.1	1688.0	1689.8	1684.5	1676.4	1645.4
25.5°	1587.6	1591.6	1585.3	1584.9	1583.1	1583.5	1584.0	1584.0	1576.8	1567.8	1547.6
22.5°	1490.2	1489.8	1489.3	1486.2	1485.3	1484.8	1484.4	1480.3	1478.1	1476.8	1462.8
19.5°	1398.3	1402.7	1402.3	1401.8	1401.4	1398.7	1393.3	1387.0	1383.9	1384.3	1380.8
17°	1349.8	1347.6	1348.5	1348.0	1348.0	1342.6	1334.6	1328.7	1322.4	1318.9	1313.0
15°	1318.0	1318.4	1319.3	1317.5	1314.8	1312.1	1307.6	1300.5	1293.7	1287.0	1276.7
13°	1299.6	1299.1	1298.7	1295.5	1294.2	1290.6	1285.7	1281.6	1275.3	1268.6	1256.9
11°	1287.0	1286.1	1285.2	1282.5	1280.3	1275.8	1270.4	1264.6	1260.5	1257.4	1251.1
9°	1266.8	1266.4	1267.3	1265.0	1264.6	1262.3	1257.4	1253.8	1250.7	1251.6	1250.2
7°	1250.7	1251.1	1251.6	1250.2	1250.2	1248.4	1245.3	1242.1	1242.1	1246.2	1249.3
5°	1238.1	1236.8	1236.8	1236.8	1237.2	1236.3	1235.4	1233.6	1235.4	1241.7	1250.7
3°	1224.6	1224.2	1226.9	1228.2	1229.1	1231.4	1233.6	1234.1	1237.2	1247.5	1259.6
1°	1218.4	1219.3	1220.6	1224.2	1227.8	1233.6	1240.8	1246.6	1249.3	1256.0	1258.7
0°	1216.1	1217.0	1220.2	1226.4	1233.2	1242.6	1248.9	1256.5	1254.7	1256.0	1255.2
-1°	1226.9	1229.1	1230.5	1241.2	1249.8	1256.5	1262.3	1262.8	1257.8	1255.2	1250.7
-3°	1271.3	1270.4	1273.5	1274.9	1280.3	1279.4	1273.5	1265.0	1251.6	1241.7	1228.2
-5°	1289.2	1287.5	1285.7	1287.5	1285.2	1274.4	1262.3	1242.6	1222.4	1206.7	1193.2
-7°	1258.7	1260.1	1254.3	1254.3	1240.8	1228.7	1205.4	1189.2	1177.5	1172.6	1174.4
-9°	1196.4	1188.8	1189.2	1188.3	1185.6	1173.1	1165.9	1160.9	1158.3	1158.7	1160.9
-11°	1136.3	1135.8	1136.7	1133.6	1134.0	1134.5	1134.5	1134.9	1135.8	1136.7	1136.7
-13°	1101.7	1099.5	1100.8	1100.4	1101.7	1101.7	1103.1	1103.1	1104.4	1104.9	1101.7
-15°	1077.5	1076.6	1076.6	1077.5	1077.1	1075.7	1076.6	1077.5	1075.7	1073.0	1065.4
-17°	1030.9	1020.5	1030.0	1034.4	1037.6	1039.4	1041.6	1049.7	1047.5	1038.5	1029.1
-19.5°	990.5	989.6	990.5	991.4	993.6	996.8	999.5	999.9	995.4	988.2	977.0
-22.5°	974.3	973.9	975.2	977.0	979.3	982.4	985.1	986.4	983.3	975.7	963.1
-25.5°	949.2	949.7	951.0	952.4	954.1	955.9	958.2	960.4	959.5	952.4	940.7
-29°	916.0	915.6	916.5	917.8	919.6	916.0	912.4	908.4	903.9	897.2	884.2
-33°	867.1	867.1	868.0	869.8	870.3	868.0	863.5	858.6	850.1	839.8	826.3
-37.5°	819.6	820.9	823.6	825.0	826.3	825.9	824.1	818.7	809.7	801.2	790.9
-42.5°	805.2	805.7	806.1	806.1	803.4	800.7	797.6	793.6	787.7	785.0	777.9
-47.5°	574.6	561.6	570.2	561.6	564.8	566.1	564.3	565.2	555.4	556.7	551.3
-55°	97.3	98.2	99.1	101.4	100.9	98.2	95.5	96.0	100.5	105.0	103.6
-65°	77.6	77.6	77.2	76.7	76.3	76.7	77.2	78.5	79.0	80.3	82.1
-75°	7.6	7.6	7.2	6.3	5.4	8.1	9.0	9.0	9.0	9.4	9.9
-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°	44.4	25.6	15.7	11.7	8.5	7.6	5.8	4.9	5.8	1.8	1.3
55°	193.3	173.6	165.1	148.9	144.9	139.1	117.1	18.4	11.2	3.1	1.3
47.5°	651.8	619.9	584.1	550.0	518.1	477.7	407.3	55.2	14.4	4.0	1.8
42.5°	724.9	688.6	661.2	630.7	592.1	567.0	583.2	205.0	13.9	5.8	1.8
37.5°	1000.4	973.9	923.2	891.3	845.1	830.8	833.0	341.4	12.1	8.5	1.8
33°	1519.4	1444.5	1372.7	1327.8	1255.2	1221.1	1078.4	457.6	13.9	11.2	1.8
29°	1592.9	1541.4	1484.8	1407.7	1370.4	1328.7	1182.9	563.0	17.0	13.9	1.8
25.5°	1507.3	1461.1	1409.5	1357.4	1329.6	1287.5	1168.6	628.9	20.6	16.6	2.2
22.5°	1423.8	1375.8	1330.5	1295.5	1276.7	1259.6	1138.1	676.5	24.7	18.4	2.2
19.5°	1353.4	1310.8	1271.3	1242.1	1238.1	1226.4	1073.9	714.2	29.2	20.2	2.2
17°	1290.1	1257.8	1230.0	1211.2	1213.9	1174.0	1027.3	745.6	33.2	21.5	2.2
15°	1253.8	1228.7	1209.8	1204.9	1198.2	1134.0	999.5	769.3	35.9	22.9	2.2
13°	1234.1	1209.8	1199.1	1204.5	1176.6	1098.6	979.3	792.7	38.6	23.8	2.2
11°	1230.0	1203.6	1196.4	1192.3	1152.4	1082.4	965.8	814.2	41.3	24.2	2.2
9°	1235.4	1209.8	1191.9	1166.8	1130.4	1075.7	961.3	832.6	42.2	24.7	2.2
7°	1239.5	1216.1	1187.0	1142.1	1103.5	1069.0	956.8	845.6	41.3	25.1	2.7
5°	1246.6	1220.2	1183.8	1119.2	1081.1	1056.9	952.4	854.1	39.5	25.1	2.7
3°	1248.9	1213.9	1174.9	1099.5	1063.2	1050.1	952.4	861.7	38.6	24.7	2.7
1°	1239.0	1198.2	1153.3	1083.3	1047.0	1039.8	951.0	865.8	37.7	24.2	2.7
0°	1231.4	1187.0	1143.0	1074.4	1039.8	1032.7	950.1	866.7	37.2	24.7	2.7
-1°	1221.5	1175.8	1133.1	1068.5	1031.8	1026.4	949.7	868.5	37.2	23.8	2.7
-3°	1195.0	1150.6	1117.4	1054.6	1017.4	1014.3	947.9	865.3	37.2	22.9	2.7
-5°	1174.0	1139.4	1107.1	1044.3	1005.7	1001.3	945.2	859.5	37.2	22.4	2.7
-7°	1162.3	1131.3	1094.6	1030.0	992.7	985.5	941.1	848.7	37.2	21.5	2.7
-9°	1146.6	1113.8	1075.3	1010.2	973.4	964.9	935.8	836.6	37.2	21.1	2.7
-11°	1120.1	1084.7	1043.4	986.9	954.6	938.9	922.3	820.9	37.2	20.6	2.7
-13°	1079.3	1045.7	1011.1	962.7	934.0	917.4	907.0	800.3	36.3	20.6	2.7
-15°	1042.5	1008.0	977.0	942.5	917.8	899.9	894.9	776.5	35.9	20.6	2.7
-17°	1001.3	969.0	945.2	921.4	903.5	885.5	881.9	748.7	35.4	21.1	2.7
-19.5°	952.4	925.4	912.4	898.5	881.9	867.6	867.1	710.6	35.0	21.1	2.7
-22.5°	934.9	908.4	895.4	883.3	864.9	851.9	852.3	657.6	33.6	21.1	2.7
-25.5°	910.2	883.7	870.3	860.4	851.0	838.4	841.1	597.5	32.3	20.6	2.7
-29°	860.8	839.3	830.8	820.5	816.4	821.4	830.3	520.4	31.8	19.7	2.7
-33°	809.7	793.6	779.6	759.9	750.9	773.4	808.4	423.5	32.3	18.4	2.7
-37.5°	778.8	764.4	742.9	711.5	685.0	698.9	741.1	318.9	32.3	15.7	2.7
-42.5°	761.7	753.6	727.6	701.6	658.5	593.9	565.2	203.2	32.7	11.7	2.7
-47.5°	550.0	533.4	522.2	502.9	470.1	395.2	310.4	67.3	31.4	6.7	2.7
-55°	113.0	112.6	122.0	112.1	87.5	62.8	65.0	22.0	25.6	4.5	2.7
-65°	92.4	100.0	73.6	46.2	26.9	19.3	26.0	18.8	10.8	3.1	2.2
-75°	9.9	9.4	7.2	8.1	9.0	8.1	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)