

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: P507859

Luminaire Tested: **UFLD-S-CA1-20-750-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507859  
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-CA1-20-750-U-66  
Description: UTILITY FLOOD SMALL, 6x6 OPTIC  
Light Source: (1) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

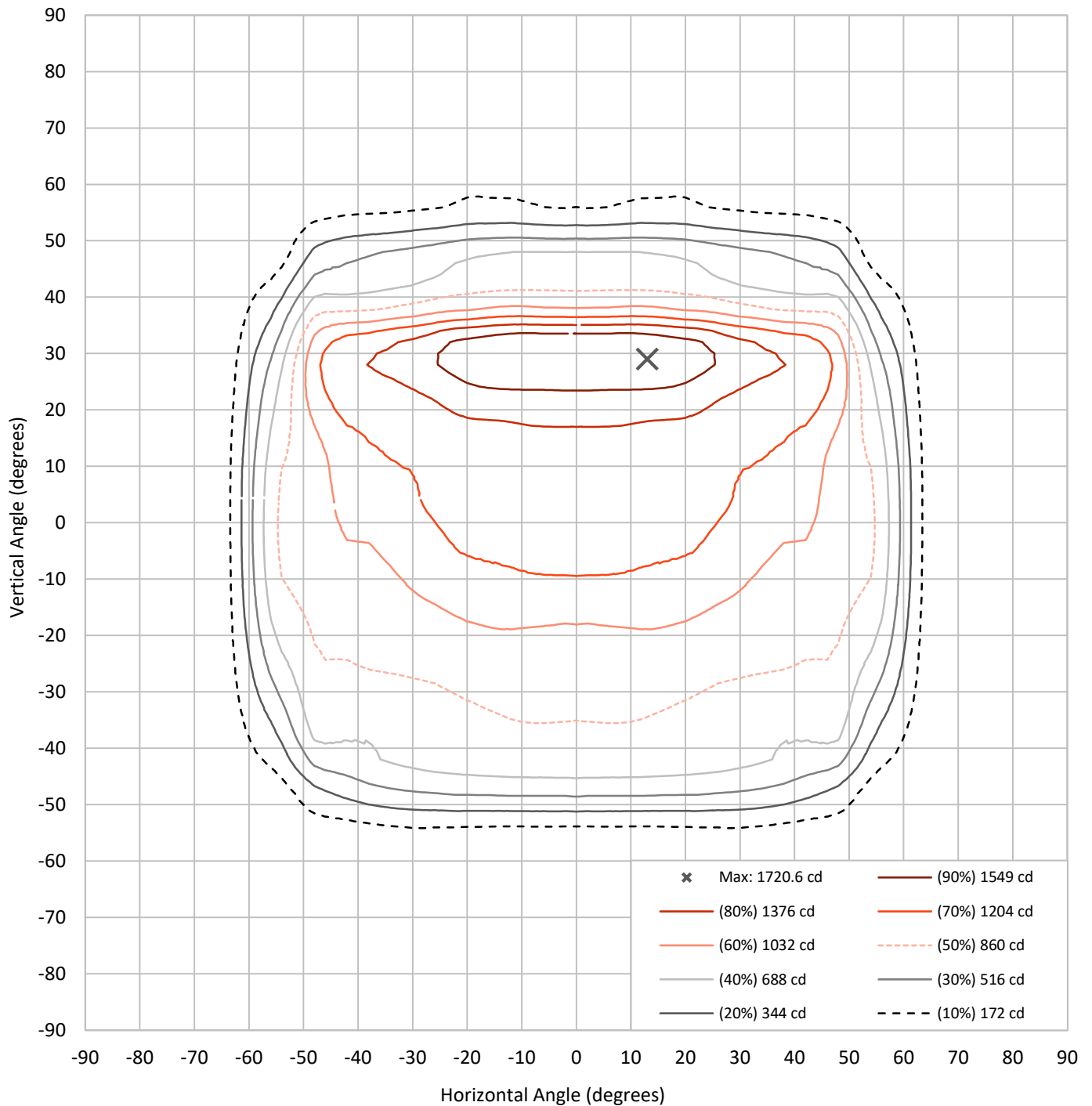
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	3131 lumens	Max Intensity:	1720.6 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	161.4 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	2287.6 lumens	Field Lumens:	3040.4 lumens
Beam Efficiency:	73.1%	Field Efficiency:	97.1%
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:	24 FT		



REPORT NUMBER: P507859

CATALOG NUMBER: UFLD-S-CA1-20-750-U-66

### Iso-Candela Plot

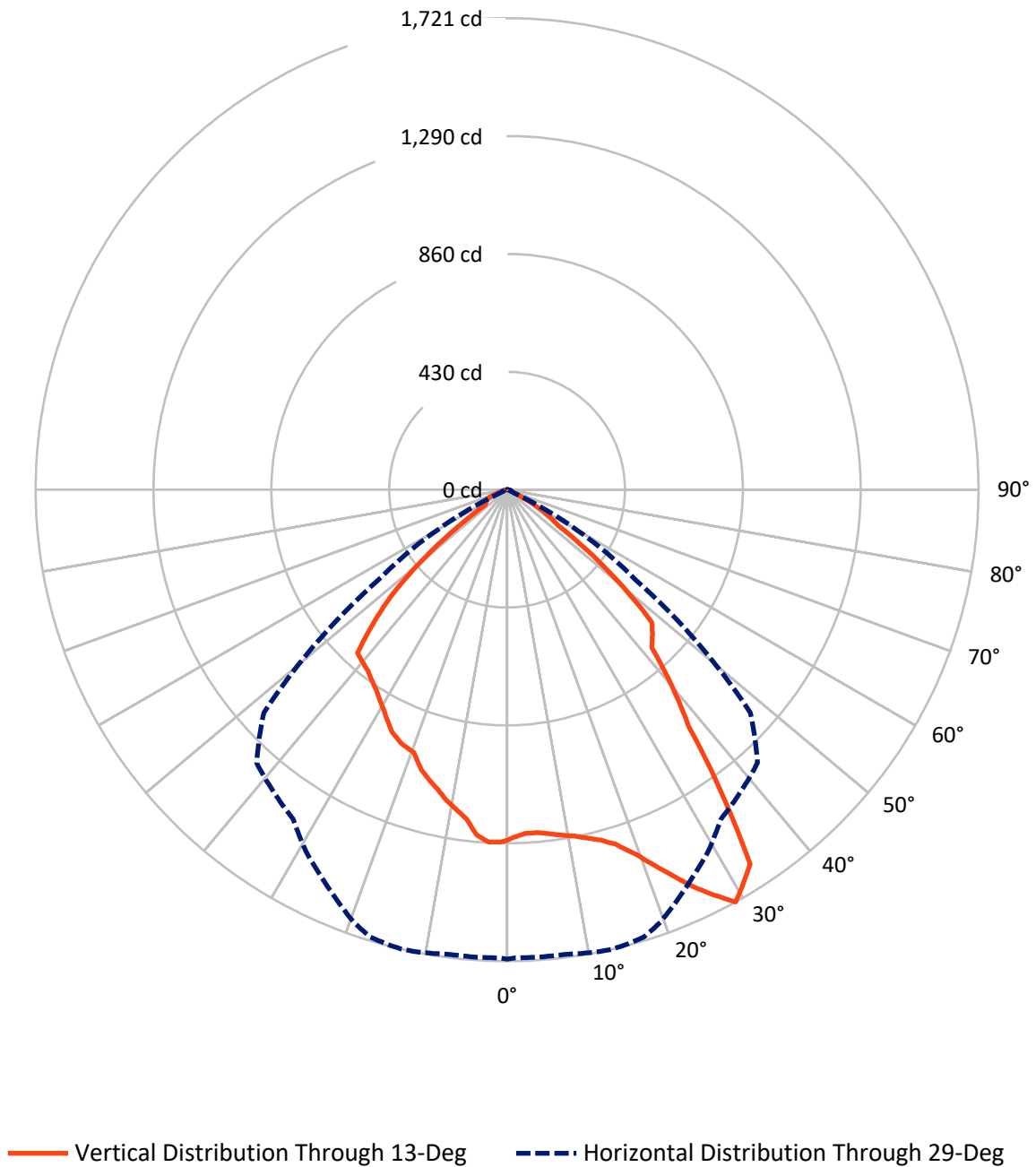




REPORT NUMBER: P507859

CATALOG NUMBER: UFLD-S-CA1-20-750-U-66

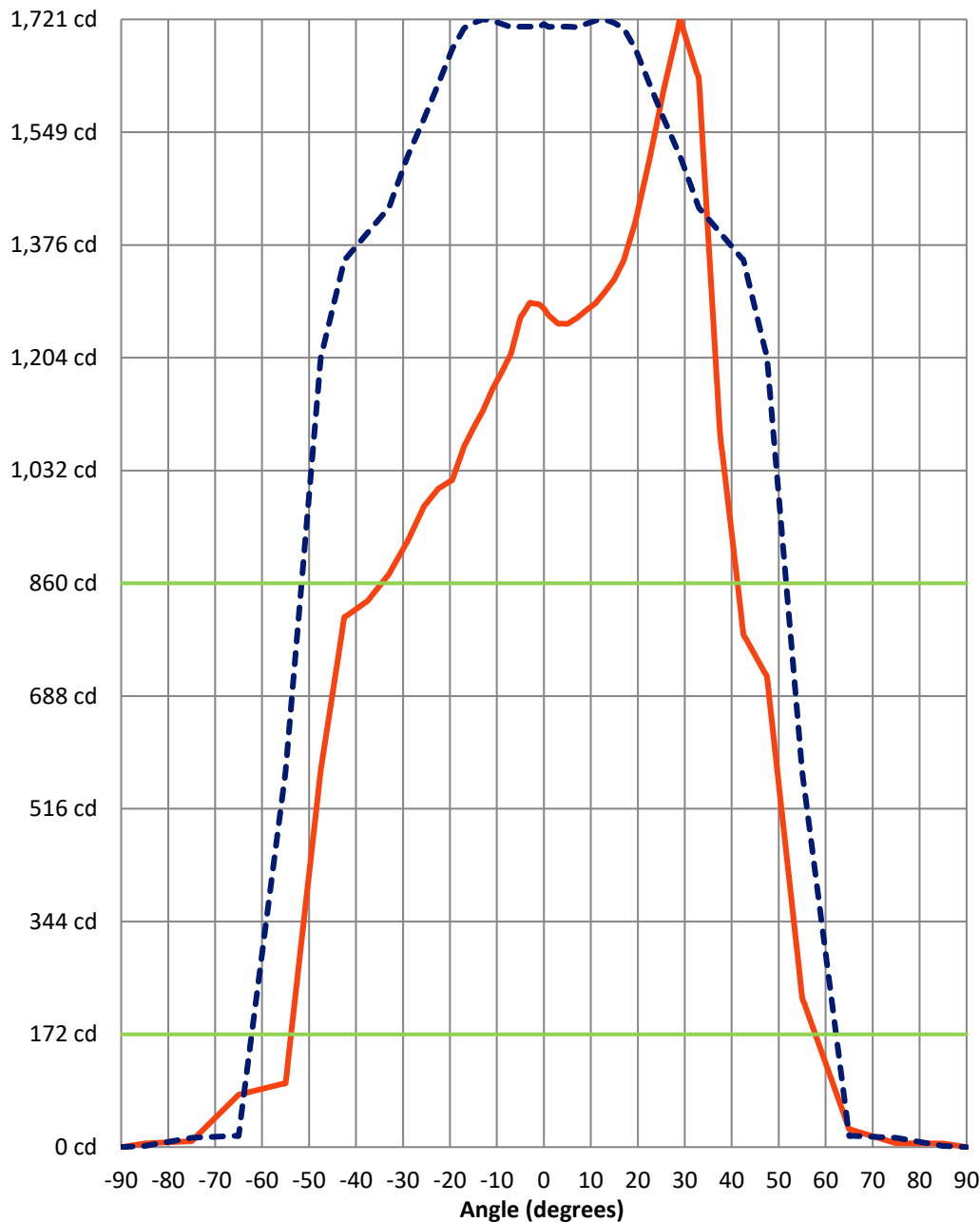
### Luminous Intensity Polar Plot



REPORT NUMBER: P507859

CATALOG NUMBER: UFLD-S-CA1-20-750-U-66

### Luminous Intensity Plot



**Beam:**  
 H Angle: 103.2°  
 V Angle: 75.8°  
 Lumens: 2287.6  
 Efficiency: 73.1%

**Field:**  
 H Angle: 124.4°  
 V Angle: 111.6°  
 Lumens: 3040.4  
 Efficiency: 97.1%

**Spill:**  
 Lumens: 90.6  
 Efficiency: 2.9%

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



REPORT NUMBER: P507859

CATALOG NUMBER: UFLD-S-CA1-20-750-U-66

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	1.4	2.7	3.7	4.6	5.0	5.5	5.5	5.0	5.0
75°	4.1	4.1	4.6	4.1	3.7	4.6	6.4	5.9	6.4	7.3	5.9
65°	34.7	35.2	34.7	32.4	29.2	26.9	25.6	27.4	33.8	45.2	53.9
55°	185.9	176.3	176.3	181.3	191.4	206.5	215.6	228.4	214.2	222.9	219.7
47.5°	724.4	723.5	725.3	724.4	724.9	725.3	723.0	717.6	709.8	704.3	690.2
42.5°	781.1	782.4	784.3	786.1	787.5	786.5	784.7	782.4	774.7	767.4	758.7
37.5°	1063.3	1061.0	1071.6	1069.7	1071.1	1088.5	1085.3	1089.4	1076.6	1062.0	1027.2
33°	1641.1	1640.7	1646.6	1638.4	1645.7	1648.4	1644.8	1629.3	1616.5	1592.3	1572.6
29°	1713.3	1709.2	1709.6	1709.6	1708.7	1713.8	1718.8	1720.6	1715.1	1706.9	1675.4
25.5°	1616.5	1620.6	1614.2	1613.7	1611.9	1612.4	1612.8	1612.8	1605.5	1596.4	1575.8
22.5°	1517.4	1516.9	1516.4	1513.2	1512.3	1511.9	1511.4	1507.3	1505.0	1503.6	1489.5
19.5°	1423.7	1428.3	1427.8	1427.4	1426.9	1424.2	1418.7	1412.3	1409.1	1409.6	1405.9
17°	1374.4	1372.1	1373.0	1372.6	1372.6	1367.1	1358.9	1352.9	1346.5	1342.9	1336.9
15°	1342.0	1342.4	1343.3	1341.5	1338.8	1336.0	1331.5	1324.1	1317.3	1310.4	1299.9
13°	1323.2	1322.8	1322.3	1319.1	1317.7	1314.1	1309.1	1305.0	1298.6	1291.7	1279.8
11°	1310.4	1309.5	1308.6	1305.9	1303.6	1299.0	1293.5	1287.6	1283.5	1280.3	1273.9
9°	1289.9	1289.4	1290.3	1288.1	1287.6	1285.3	1280.3	1276.6	1273.4	1274.4	1273.0
7°	1273.4	1273.9	1274.4	1273.0	1273.0	1271.2	1268.0	1264.8	1264.8	1268.9	1272.1
5°	1260.7	1259.3	1259.3	1259.3	1259.7	1258.8	1257.9	1256.1	1257.9	1264.3	1273.4
3°	1247.0	1246.5	1249.2	1250.6	1251.5	1253.8	1256.1	1256.5	1259.7	1270.2	1282.6
1°	1240.6	1241.5	1242.8	1246.5	1250.1	1256.1	1263.4	1269.3	1272.1	1278.9	1281.7
0°	1238.3	1239.2	1242.4	1248.8	1255.6	1265.2	1271.6	1279.4	1277.6	1278.9	1278.0
-1°	1249.2	1251.5	1252.9	1263.9	1272.5	1279.4	1285.3	1285.8	1280.8	1278.0	1273.4
-3°	1294.5	1293.5	1296.7	1298.1	1303.6	1302.7	1296.7	1288.1	1274.4	1264.3	1250.6
-5°	1312.7	1310.9	1309.1	1310.9	1308.6	1297.7	1285.3	1265.2	1244.7	1228.7	1215.0
-7°	1281.7	1283.0	1277.1	1277.1	1263.4	1251.1	1227.3	1210.9	1199.0	1194.0	1195.8
-9°	1218.2	1210.4	1210.9	1210.0	1207.2	1194.4	1187.1	1182.1	1179.3	1179.8	1182.1
-11°	1157.0	1156.5	1157.4	1154.2	1154.7	1155.1	1155.1	1155.6	1156.5	1157.4	1157.4
-13°	1121.8	1119.5	1120.9	1120.4	1121.8	1121.8	1123.2	1123.2	1124.5	1125.0	1121.8
-15°	1097.1	1096.2	1096.2	1097.1	1096.7	1095.3	1096.2	1097.1	1095.3	1092.6	1084.8
-17°	1049.6	1039.1	1048.7	1053.3	1056.5	1058.3	1060.6	1068.8	1066.5	1057.4	1047.8
-19.5°	1008.5	1007.6	1008.5	1009.4	1011.7	1014.9	1017.7	1018.1	1013.5	1006.2	994.8
-22.5°	992.1	991.6	993.0	994.8	997.1	1000.3	1003.0	1004.4	1001.2	993.4	980.7
-25.5°	966.5	967.0	968.3	969.7	971.5	973.4	975.6	977.9	977.0	969.7	957.8
-29°	932.7	932.2	933.2	934.5	936.4	932.7	929.0	924.9	920.4	913.5	900.3
-33°	882.9	882.9	883.8	885.7	886.1	883.8	879.3	874.2	865.6	855.1	841.3
-37.5°	834.5	835.9	838.6	840.0	841.3	840.9	839.1	833.6	824.4	815.8	805.3
-42.5°	819.9	820.3	820.8	820.8	818.1	815.3	812.1	808.0	802.1	799.3	792.0
-47.5°	585.1	571.9	580.5	571.9	575.1	576.4	574.6	575.5	565.5	566.8	561.4
-55°	99.1	100.0	100.9	103.2	102.8	100.0	97.3	97.7	102.3	106.9	105.5
-65°	79.0	79.0	78.6	78.1	77.6	78.1	78.6	79.9	80.4	81.8	83.6
-75°	7.8	7.8	7.3	6.4	5.5	8.2	9.1	9.1	9.1	9.6	10.0
-85°	0.5	0.9	1.8	3.2	4.1	5.0	5.5	5.5	5.5	5.5	5.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P507859

CATALOG NUMBER: UFLD-S-CA1-20-750-U-66

**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°	4.6	4.6	4.1	3.7	2.7	1.8	1.4	0.9	0.5	0.5	0.9
75°	5.5	5.5	6.4	8.7	8.7	5.0	3.2	1.8	1.8	0.9	1.4
65°	45.2	26.0	16.0	11.9	8.7	7.8	5.9	5.0	5.9	1.8	1.4
55°	196.9	176.8	168.1	151.6	147.5	141.6	119.2	18.7	11.4	3.2	1.4
47.5°	663.7	631.2	594.7	560.0	527.6	486.4	414.7	56.2	14.6	4.1	1.8
42.5°	738.1	701.1	673.3	642.2	602.9	577.3	593.8	208.7	14.2	5.9	1.8
37.5°	1018.6	991.6	940.0	907.6	860.5	845.9	848.2	347.6	12.3	8.7	1.8
33°	1547.0	1470.8	1397.7	1352.0	1278.0	1243.3	1098.0	465.9	14.2	11.4	1.8
29°	1621.9	1569.4	1511.9	1433.3	1395.4	1352.9	1204.5	573.2	17.4	14.2	1.8
25.5°	1534.7	1487.7	1435.1	1382.2	1353.8	1310.9	1189.9	640.4	21.0	16.9	2.3
22.5°	1449.8	1400.9	1354.7	1319.1	1299.9	1282.6	1158.8	688.8	25.1	18.7	2.3
19.5°	1378.0	1334.6	1294.5	1264.8	1260.7	1248.8	1093.5	727.2	29.7	20.6	2.3
17°	1313.6	1280.8	1252.4	1233.2	1236.0	1195.3	1046.0	759.1	33.8	21.9	2.3
15°	1276.6	1251.1	1231.9	1226.9	1220.0	1154.7	1017.7	783.3	36.5	23.3	2.3
13°	1256.5	1231.9	1220.9	1226.4	1198.1	1118.6	997.1	807.1	39.3	24.2	2.3
11°	1252.4	1225.5	1218.2	1214.1	1173.4	1102.2	983.4	829.0	42.0	24.7	2.3
9°	1257.9	1231.9	1213.6	1188.0	1151.0	1095.3	978.8	847.7	42.9	25.1	2.3
7°	1262.0	1238.3	1208.6	1162.9	1123.6	1088.5	974.3	861.0	42.0	25.6	2.7
5°	1269.3	1242.4	1205.4	1139.6	1100.8	1076.1	969.7	869.7	40.2	25.6	2.7
3°	1271.6	1236.0	1196.3	1119.5	1082.5	1069.3	969.7	877.4	39.3	25.1	2.7
1°	1261.6	1220.0	1174.3	1103.1	1066.1	1058.8	968.3	881.5	38.4	24.7	2.7
0°	1253.8	1208.6	1163.8	1093.9	1058.8	1051.5	967.4	882.5	37.9	25.1	2.7
-1°	1243.8	1197.2	1153.8	1088.0	1050.5	1045.1	967.0	884.3	37.9	24.2	2.7
-3°	1216.8	1171.6	1137.8	1073.8	1035.9	1032.7	965.1	881.1	37.9	23.3	2.7
-5°	1195.3	1160.2	1127.3	1063.3	1024.1	1019.5	962.4	875.1	37.9	22.8	2.7
-7°	1183.5	1151.9	1114.5	1048.7	1010.8	1003.5	958.3	864.2	37.9	21.9	2.7
-9°	1167.5	1134.1	1094.8	1028.6	991.2	982.5	952.8	851.9	37.9	21.5	2.7
-11°	1140.5	1104.4	1062.4	1004.9	972.0	956.0	939.1	835.9	37.9	21.0	2.7
-13°	1099.0	1064.7	1029.5	980.2	951.0	934.1	923.6	814.9	37.0	21.0	2.7
-15°	1061.5	1026.3	994.8	959.6	934.5	916.3	911.2	790.6	36.5	21.0	2.7
-17°	1019.5	986.6	962.4	938.2	919.9	901.6	898.0	762.3	36.1	21.5	2.7
-19.5°	969.7	942.3	929.0	914.9	898.0	883.4	882.9	723.5	35.6	21.5	2.7
-22.5°	951.9	924.9	911.7	899.4	880.6	867.4	867.8	669.6	34.3	21.5	2.7
-25.5°	926.8	899.8	886.1	876.1	866.5	853.7	856.4	608.4	32.9	21.0	2.7
-29°	876.5	854.6	845.9	835.4	831.3	836.3	845.5	529.8	32.4	20.1	2.7
-33°	824.4	808.0	793.8	773.7	764.6	787.5	823.1	431.2	32.9	18.7	2.7
-37.5°	792.9	778.3	756.4	724.4	697.5	711.6	754.6	324.8	32.9	16.0	2.7
-42.5°	775.6	767.4	740.9	714.4	670.5	604.7	575.5	206.9	33.3	11.9	2.7
-47.5°	560.0	543.1	531.7	512.0	478.7	402.4	316.1	68.5	32.0	6.9	2.7
-55°	115.1	114.6	124.2	114.2	89.1	63.9	66.2	22.4	26.0	4.6	2.7
-65°	94.1	101.9	74.9	47.0	27.4	19.6	26.5	19.2	11.0	3.2	2.3
-75°	10.0	9.6	7.3	8.2	9.1	8.2	7.8	5.0	3.7	2.7	1.8
-85°	5.0	5.0	5.0	4.6	4.1	3.7	3.2	2.7	2.3	2.3	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)