

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: LUMARK

Report Number: P132882

Luminaire Tested: **XTOR3A-WT-XTORFLD + VISOR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P132882  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR3A-WT-XTORFLD + VISOR  
Description: LUMARK CROSSTOUR LED WHITE 30W XTORFLD WITH VISOR  
Light Source: (1) 5000K LED  
Ballast/Driver: (1) ELECTRONIC DRIVER

**Summary**

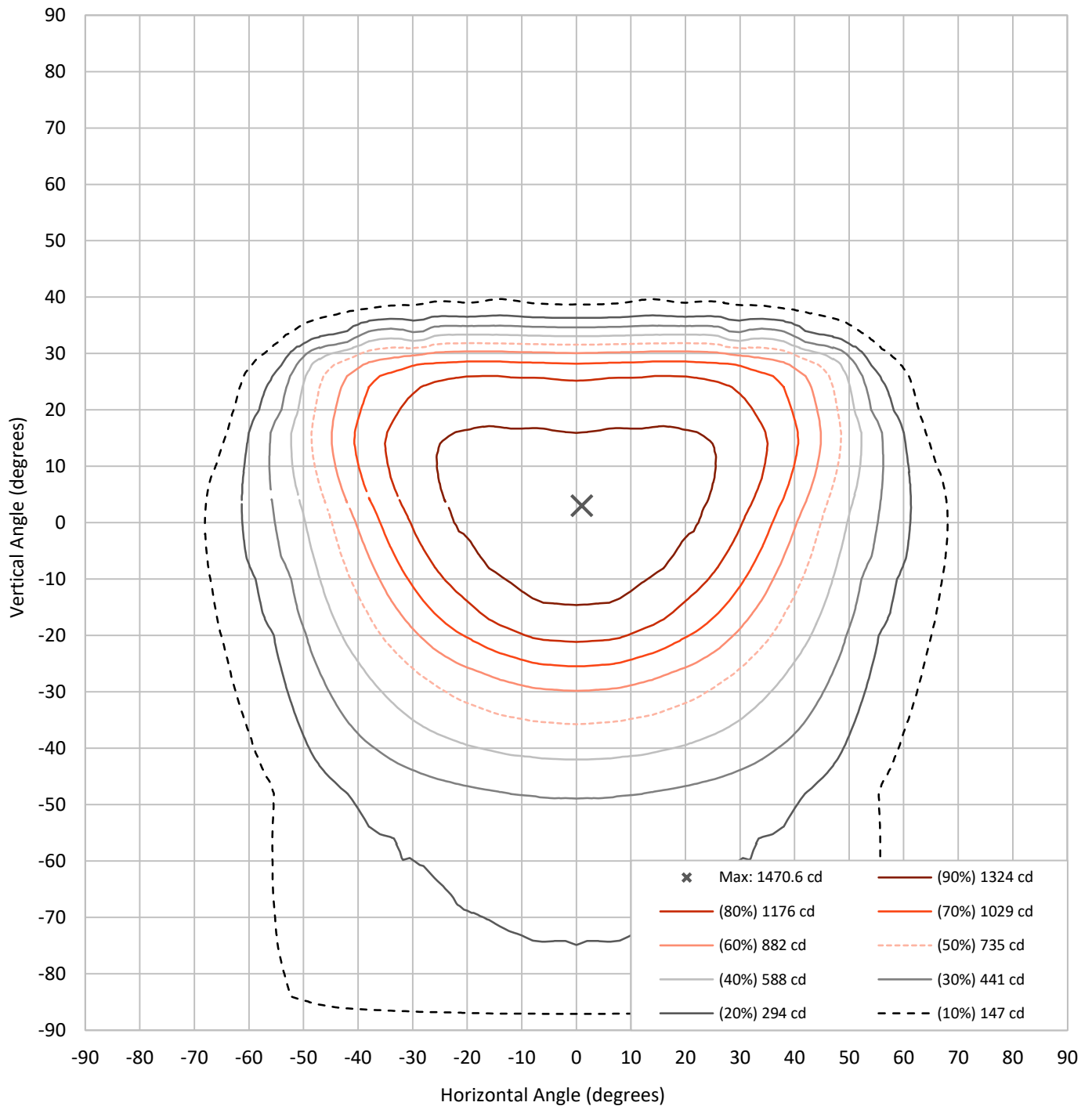
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	2599.6 lumens	Max Intensity:	1470.6 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x 3°V
Efficacy:	100.0 lumens/watt		
Luminous Opening:	(L: 0.46 ' x W: 0 ' x H: 0.15 ')		
Beam Angle (50%):	91.6°H x 67.4°V	Field Angle (10%):	135.9°H x 125.9°V
Beam Lumens:	1715.1 lumens	Field Lumens:	2521.6 lumens
Beam Efficiency:	66.0%	Field Efficiency:	97.0%
Input Watts (W):	26		
Input Voltage (V):	NR		
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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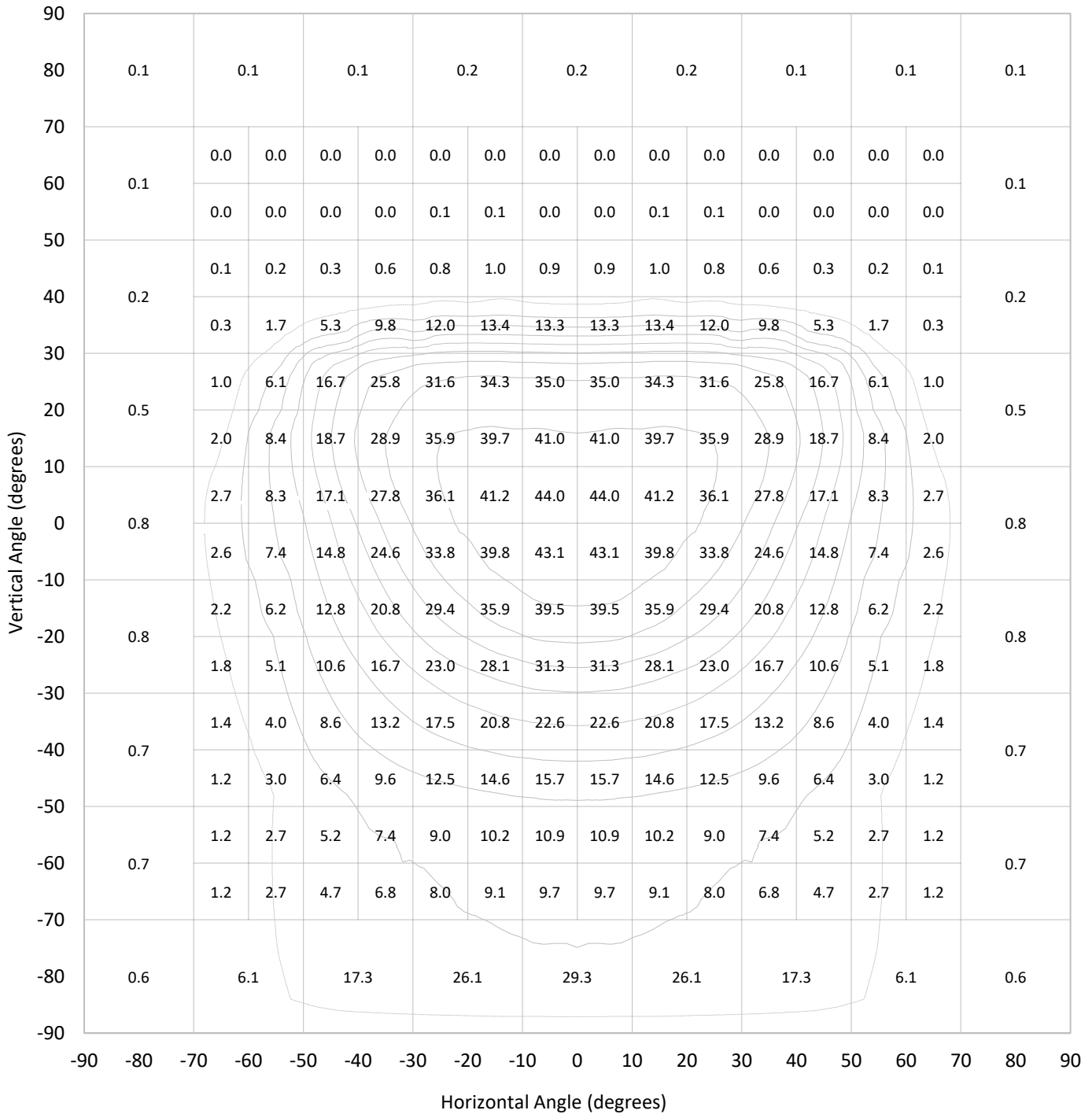
### Iso-Candela Plot





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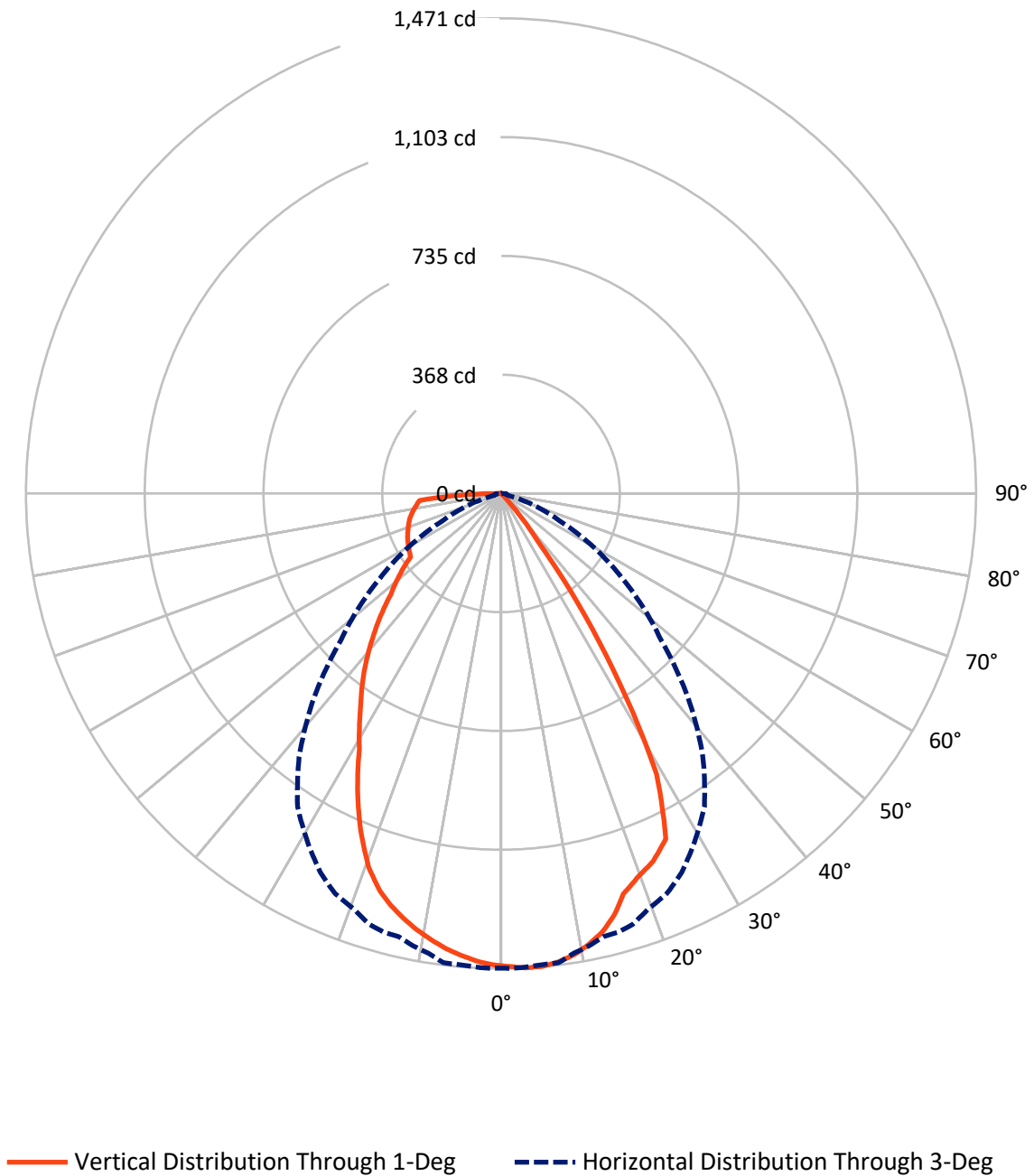
### Lumen Table



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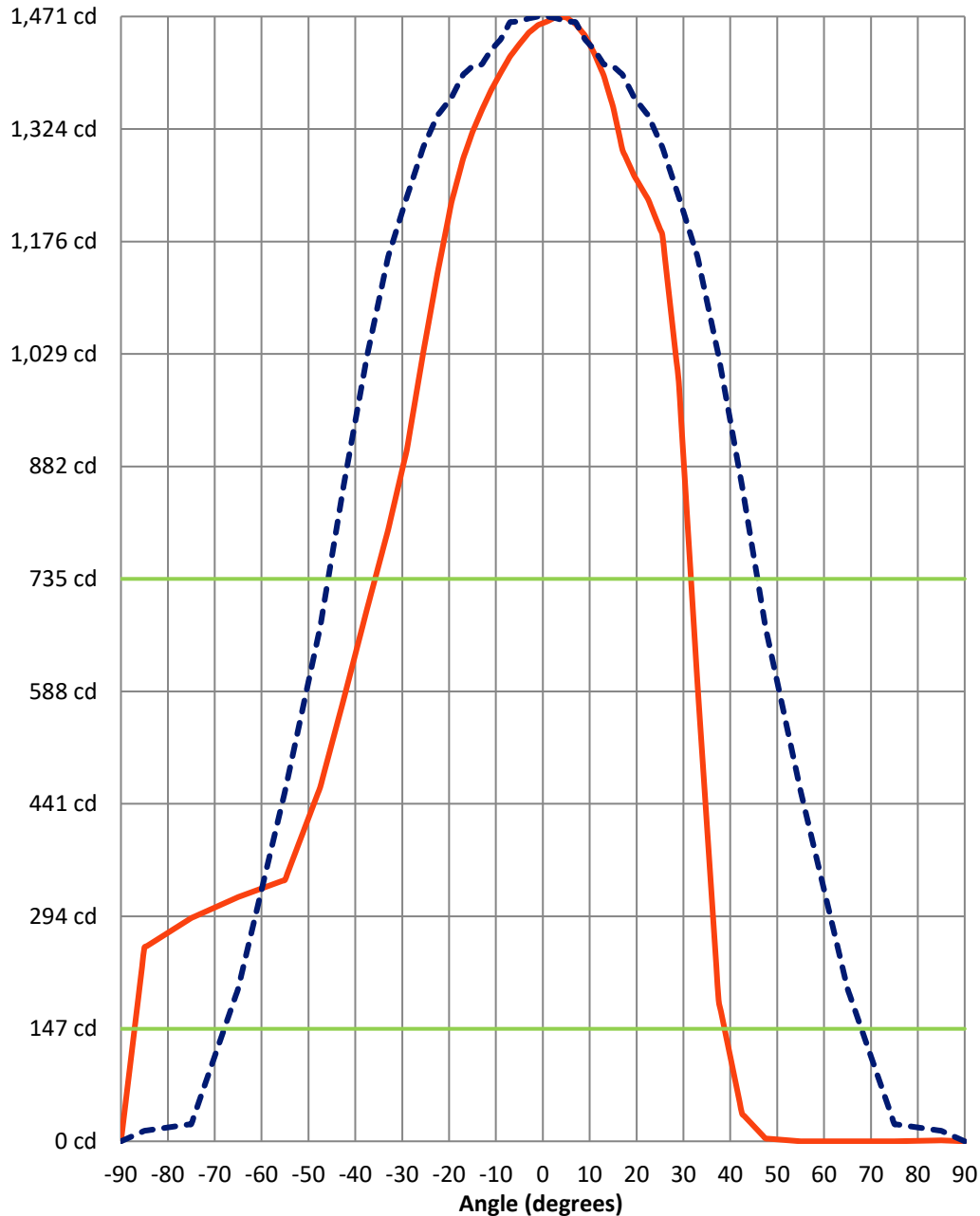
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 91.6°  
 V Angle: 67.4°  
 Lumens: 1715.1  
 Efficiency: 66.0%

**Field:**  
 H Angle: 135.9°  
 V Angle: 125.9°  
 Lumens: 2521.6  
 Efficiency: 97.0%

**Spill:**  
 Lumens: 78  
 Efficiency: 3.0%

— Vertical Distribution through 1-Deg  
 - - Horizontal Distribution through 3-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	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	0.0	0.0	1.2	1.2	1.2	1.2	2.5	2.5	1.2	1.2	1.2
65°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
55°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
47.5°	5.0	3.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
42.5°	39.9	36.2	34.9	32.4	32.4	36.2	43.7	52.4	53.6	42.4	31.2
37.5°	182.1	184.6	178.4	188.3	188.3	194.6	205.8	222.0	217.0	205.8	193.3
33°	591.2	597.5	586.2	600.0	595.0	603.7	605.0	611.2	612.4	614.9	618.7
29°	990.4	992.9	991.6	1001.6	1002.9	1009.1	1007.8	1019.1	1026.6	1021.6	1025.3
25.5°	1183.7	1185.0	1186.2	1194.9	1196.2	1197.4	1194.9	1198.7	1204.9	1201.2	1201.2
22.5°	1228.6	1231.1	1232.4	1237.4	1241.1	1242.3	1237.4	1242.3	1251.1	1249.8	1246.1
19.5°	1261.1	1262.3	1262.3	1268.5	1272.3	1268.5	1263.5	1268.5	1278.5	1278.5	1273.5
17°	1293.5	1296.0	1298.5	1306.0	1314.7	1313.4	1312.2	1315.9	1325.9	1323.4	1314.7
15°	1349.6	1352.1	1354.6	1362.1	1370.8	1365.8	1364.6	1363.3	1370.8	1367.1	1352.1
13°	1392.0	1393.3	1393.3	1398.3	1407.0	1400.8	1394.5	1390.8	1398.3	1393.3	1372.1
11°	1419.5	1422.0	1424.5	1423.2	1428.2	1417.0	1410.7	1403.2	1408.2	1402.0	1380.8
9°	1444.4	1445.7	1443.2	1443.2	1445.7	1429.4	1420.7	1410.7	1412.0	1405.7	1383.3
7°	1459.4	1460.6	1456.9	1455.6	1455.6	1436.9	1424.5	1412.0	1413.2	1404.5	1378.3
5°	1466.9	1469.4	1465.6	1463.1	1461.9	1441.9	1428.2	1412.0	1412.0	1402.0	1372.1
3°	1469.4	1470.6	1468.1	1464.4	1463.1	1440.7	1426.9	1408.2	1405.7	1394.5	1364.6
1°	1463.1	1464.4	1460.6	1458.1	1458.1	1434.4	1419.5	1400.8	1397.0	1380.8	1352.1
0°	1460.6	1461.9	1458.1	1456.9	1454.4	1433.2	1417.0	1398.3	1392.0	1377.1	1378.3
-1°	1458.1	1459.4	1456.9	1455.6	1453.1	1430.7	1415.7	1395.8	1389.5	1373.3	1349.6
-3°	1449.4	1449.4	1446.9	1445.7	1445.7	1423.2	1405.7	1385.8	1379.5	1360.8	1322.2
-5°	1433.2	1434.4	1433.2	1430.7	1429.4	1409.5	1392.0	1372.1	1364.6	1344.6	1306.0
-7°	1415.7	1418.2	1414.5	1413.2	1412.0	1392.0	1374.6	1353.4	1345.9	1324.7	1283.5
-9°	1395.8	1397.0	1393.3	1393.3	1390.8	1370.8	1354.6	1332.1	1324.7	1302.2	1259.8
-11°	1373.3	1374.6	1369.6	1369.6	1365.8	1347.1	1330.9	1309.7	1299.7	1274.8	1232.4
-13°	1348.4	1348.4	1344.6	1343.4	1339.6	1320.9	1303.5	1283.5	1271.0	1244.8	1201.2
-15°	1318.4	1319.7	1313.4	1313.4	1309.7	1291.0	1273.5	1252.3	1238.6	1208.7	1163.8
-17°	1284.7	1284.7	1279.8	1278.5	1274.8	1257.3	1236.1	1214.9	1197.4	1166.3	1121.3
-19.5°	1227.4	1227.4	1222.4	1219.9	1213.7	1196.2	1173.7	1152.5	1132.6	1100.1	1060.2
-22.5°	1133.8	1133.8	1126.3	1125.1	1118.9	1102.6	1080.2	1061.5	1041.5	1010.3	976.7
-25.5°	1027.8	1031.5	1022.8	1019.1	1012.8	999.1	975.4	960.4	936.7	914.3	891.8
-29°	901.8	904.3	898.1	894.3	890.6	881.9	864.4	856.9	841.9	819.5	803.3
-33°	798.3	799.5	794.5	789.6	788.3	780.8	768.4	764.6	752.1	734.7	718.5
-37.5°	694.8	696.0	691.0	688.5	686.0	678.5	672.3	668.6	654.8	643.6	631.1
-42.5°	576.3	577.5	575.0	573.8	571.3	562.5	562.5	556.3	543.8	538.8	528.9
-47.5°	464.0	462.8	462.8	462.8	459.0	452.8	454.0	446.5	440.3	434.1	425.3
-55°	343.0	341.8	343.0	343.0	341.8	343.0	338.0	334.3	333.0	330.5	325.6
-65°	320.6	319.3	320.6	319.3	319.3	315.6	315.6	313.1	310.6	306.8	303.1
-75°	294.4	291.9	291.9	291.9	293.1	290.6	288.1	286.9	283.1	280.6	280.6
-85°	253.2	253.2	253.2	252.0	250.7	249.5	249.5	249.5	248.2	244.5	240.7
-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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.7
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7
55°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0
47.5°	5.0	5.0	5.0	5.0	5.0	5.0	3.7	5.0	5.0	6.2	6.2
42.5°	43.7	32.4	32.4	26.2	21.2	15.0	11.2	8.7	7.5	10.0	6.2
37.5°	202.1	210.8	178.4	180.9	164.6	128.5	97.3	31.2	11.2	13.7	7.5
33°	617.4	612.4	465.3	567.5	536.4	315.6	265.7	104.8	16.2	17.5	8.7
29°	1010.3	1005.3	989.1	925.5	883.1	750.9	614.9	207.1	24.9	18.7	10.0
25.5°	1193.7	1181.2	1155.0	1097.7	1029.0	889.3	709.7	325.6	38.7	20.0	10.0
22.5°	1238.6	1221.1	1194.9	1143.8	1060.2	921.8	735.9	371.7	56.1	21.2	11.2
19.5°	1269.8	1253.6	1224.9	1175.0	1088.9	950.5	758.4	399.1	79.8	21.2	11.2
17°	1307.2	1286.0	1253.6	1199.9	1110.1	971.7	774.6	476.5	101.0	22.5	11.2
15°	1339.6	1313.4	1277.3	1221.1	1126.3	979.2	777.1	481.5	121.0	22.5	12.5
13°	1354.6	1324.7	1281.0	1221.1	1121.3	970.4	770.8	482.7	138.5	22.5	12.5
11°	1359.6	1325.9	1278.5	1216.1	1111.4	956.7	758.4	482.7	154.7	22.5	12.5
9°	1360.8	1324.7	1273.5	1207.4	1097.7	939.2	742.2	480.2	170.9	22.5	12.5
7°	1358.3	1319.7	1263.5	1197.4	1077.7	915.5	719.7	472.7	183.4	22.5	13.7
5°	1350.9	1310.9	1251.1	1177.5	1055.2	888.1	697.3	466.5	193.3	22.5	13.7
3°	1340.9	1299.7	1234.9	1156.3	1026.6	856.9	672.3	457.8	199.6	22.5	13.7
1°	1325.9	1279.8	1216.1	1131.3	995.4	824.5	651.1	449.0	202.1	22.5	13.7
0°	1318.4	1289.7	1207.4	1120.1	981.6	812.0	644.9	446.5	202.1	22.5	13.7
-1°	1313.4	1271.0	1199.9	1110.1	967.9	799.5	638.6	441.6	202.1	22.5	13.7
-3°	1294.7	1251.1	1177.5	1082.7	939.2	779.6	626.2	432.8	199.6	23.7	13.7
-5°	1274.8	1226.1	1151.3	1052.7	910.6	759.6	612.4	424.1	194.6	23.7	13.7
-7°	1249.8	1199.9	1123.8	1022.8	884.4	737.2	597.5	414.1	189.6	23.7	13.7
-9°	1223.6	1170.0	1091.4	991.6	855.7	716.0	583.8	368.0	183.4	23.7	13.7
-11°	1191.2	1137.6	1060.2	959.2	824.5	694.8	567.5	360.5	174.6	24.9	15.0
-13°	1156.3	1101.4	1024.1	923.0	794.5	672.3	552.6	351.7	169.6	24.9	13.7
-15°	1117.6	1062.7	986.6	885.6	765.9	652.4	536.4	343.0	163.4	26.2	13.7
-17°	1075.2	1021.6	944.2	845.7	738.4	631.1	518.9	335.5	157.2	26.2	13.7
-19.5°	1017.8	964.2	889.3	800.8	706.0	603.7	497.7	299.4	148.4	27.4	13.7
-22.5°	938.0	890.6	820.7	744.7	663.6	570.0	470.2	289.4	137.2	28.7	13.7
-25.5°	858.2	810.8	757.1	692.3	619.9	533.9	441.6	275.7	127.2	29.9	13.7
-29°	772.1	733.4	691.0	637.4	575.0	496.4	412.9	256.9	114.8	31.2	13.7
-33°	692.3	663.6	628.7	582.5	527.6	456.5	381.7	232.0	101.0	32.4	13.7
-37.5°	608.7	587.5	560.1	520.1	471.5	410.4	343.0	203.3	87.3	33.7	12.5
-42.5°	511.4	497.7	472.7	442.8	399.1	349.3	295.6	173.4	84.8	36.2	12.5
-47.5°	415.4	401.6	382.9	358.0	325.6	293.1	252.0	147.2	87.3	36.2	12.5
-55°	321.8	314.3	305.6	294.4	293.1	254.5	219.5	150.9	91.1	38.7	12.5
-65°	296.9	290.6	281.9	293.1	254.5	235.7	203.3	150.9	88.6	38.7	12.5
-75°	283.1	263.2	256.9	247.0	233.3	213.3	189.6	145.9	83.6	38.7	12.5
-85°	234.5	229.5	223.3	214.5	203.3	188.3	169.6	132.2	74.8	36.2	11.2
-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)