

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: P132881

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P132881
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR3A-XTORFLD+VISOR
Description: LUMARK CROSSTOUR LED BRONZE 30W XTORFLD WITH VISOR
Light Source: (1) 5000K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

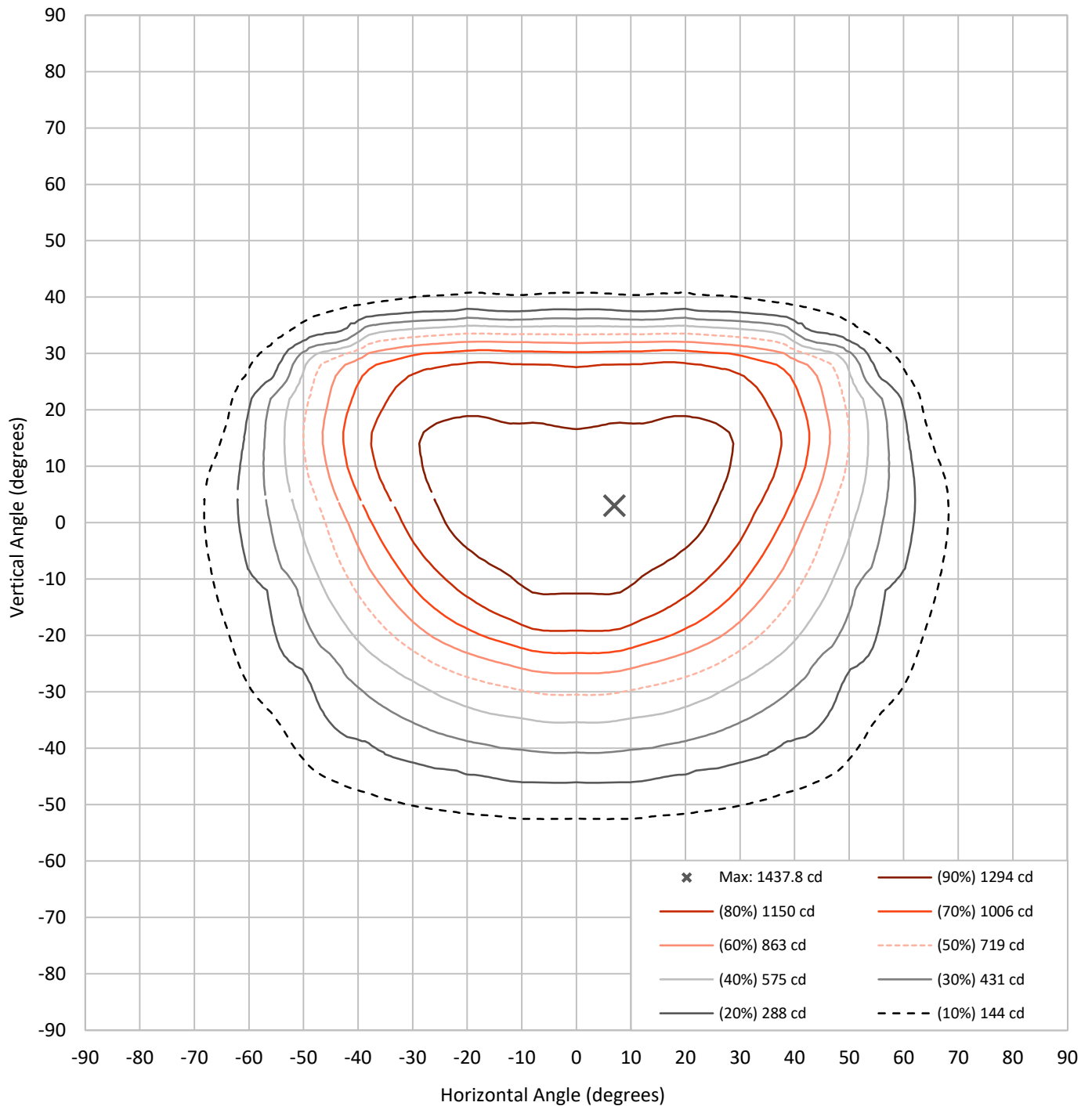
Lumens per Lamp:	N/A	NEMA Type:	7H x 5V
Luminaire Lumens:	2237.1 lumens	Max Intensity:	1437.8 candela
Efficiency:	N/A	Max Intensity Angle:	7°H x 3°V
Efficacy:	86.0 lumens/watt		
Luminous Opening:	(L: 0.5 ' x W: 0 ' x H: 0.17 ')		
Beam Angle (50%):	94.2°H x 63.7°V	Field Angle (10%):	136.5°H x 93.1°V
Beam Lumens:	1644.3 lumens	Field Lumens:	2163.1 lumens
Beam Efficiency:	73.5%	Field Efficiency:	96.7%
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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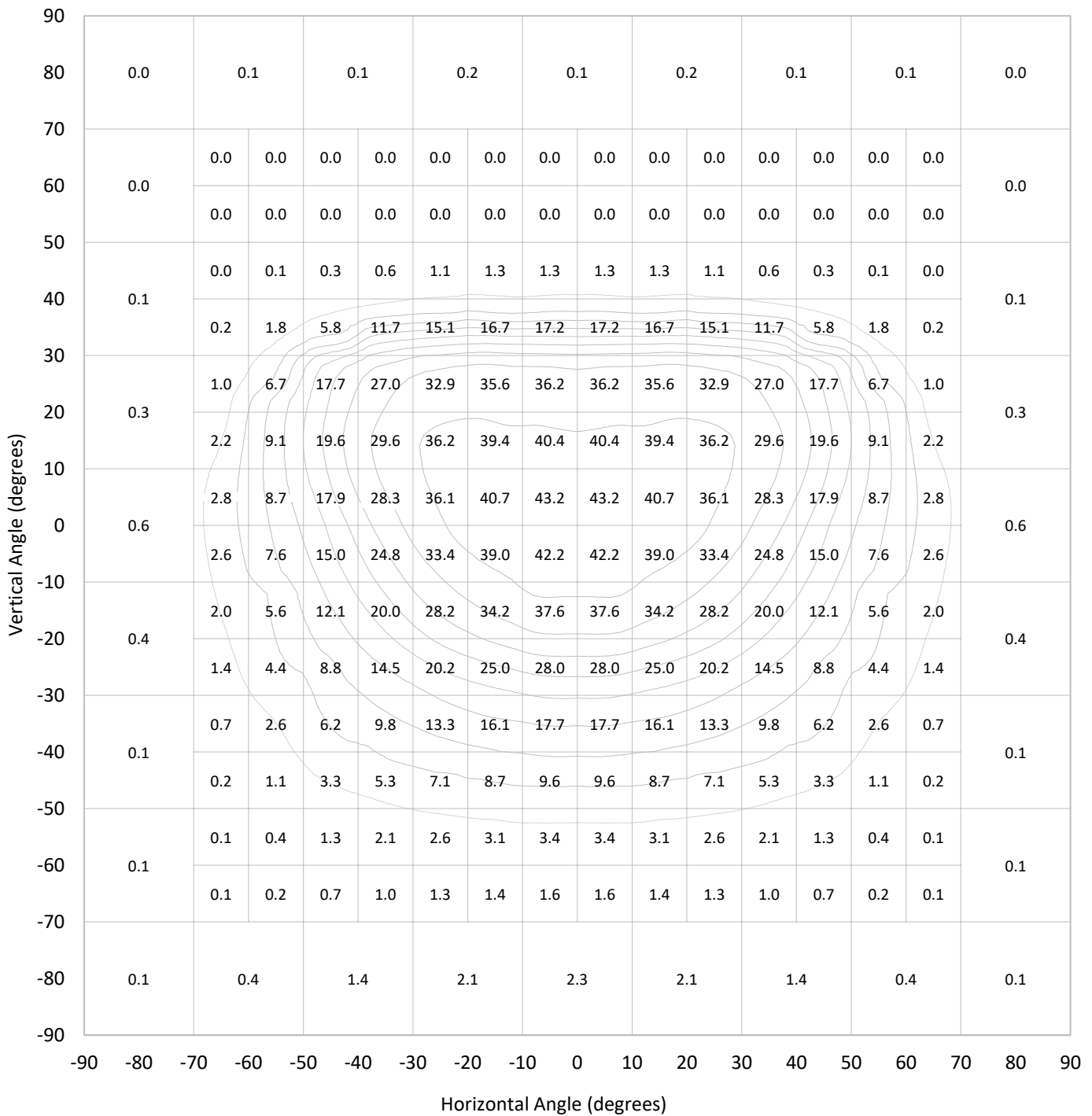
Iso-Candela Plot





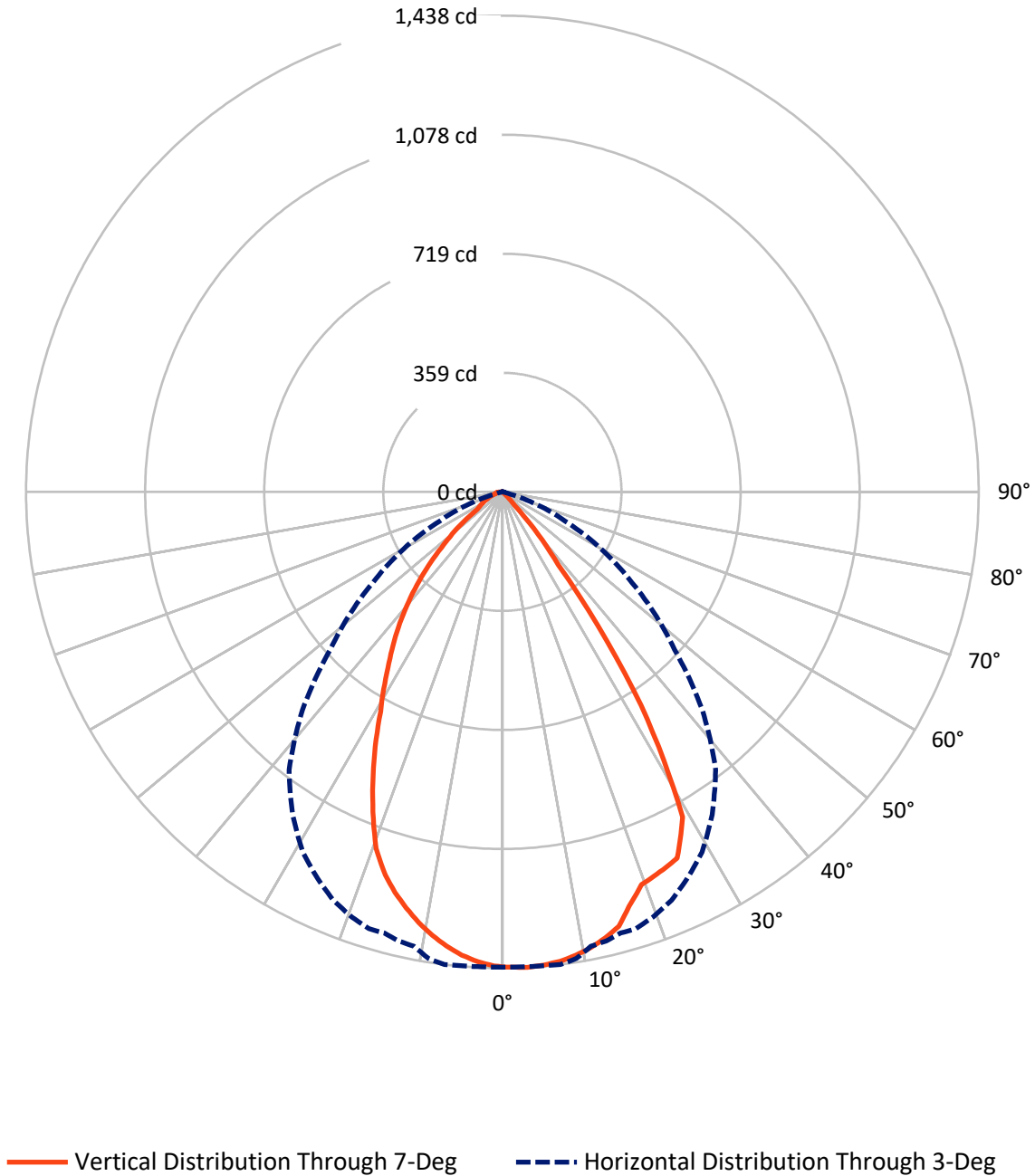
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Lumen Table



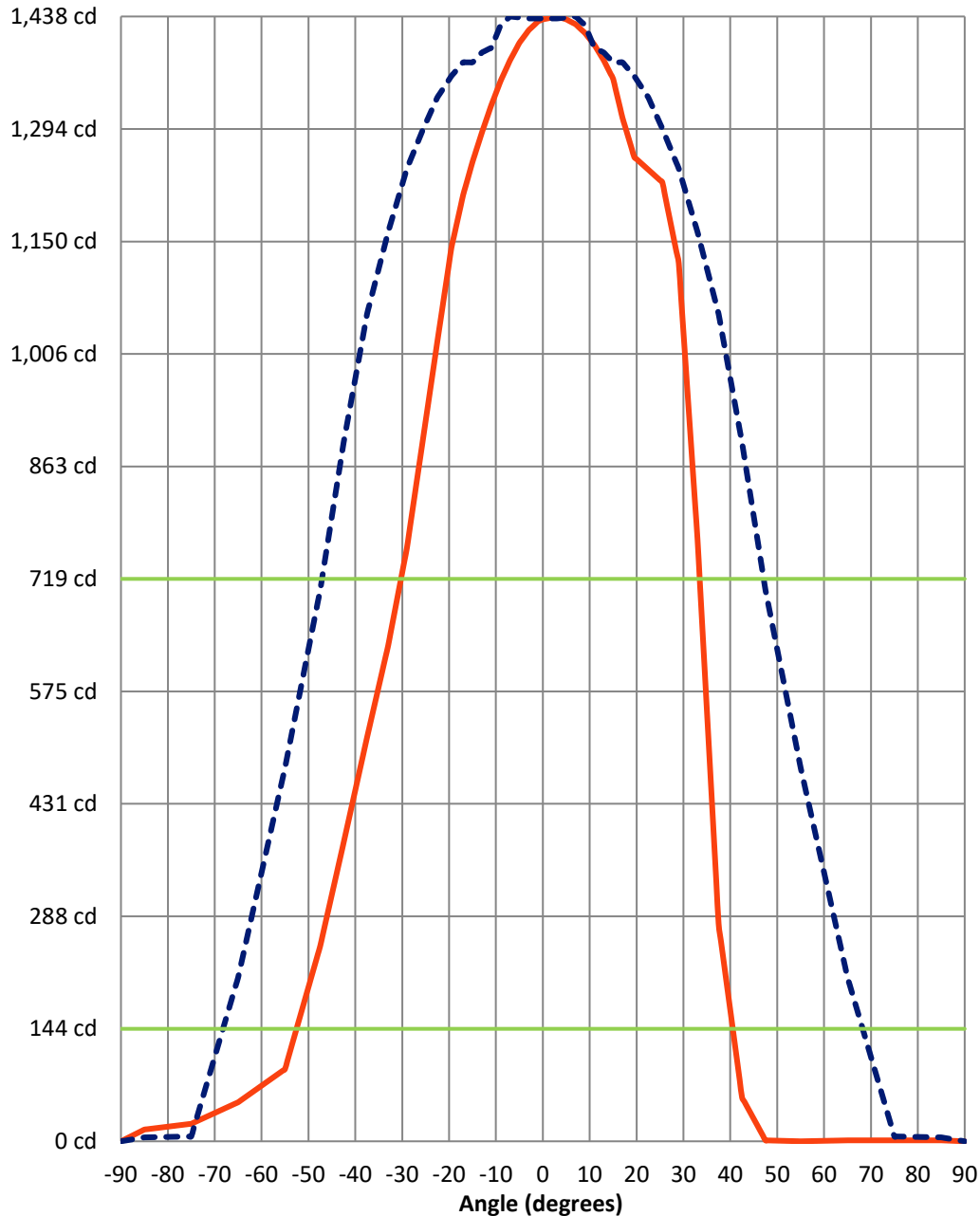
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 94.2°
 V Angle: 63.7°
 Lumens: 1644.3
 Efficiency: 73.5%

Field:
 H Angle: 136.5°
 V Angle: 93.1°
 Lumens: 2163.1
 Efficiency: 96.7%

Spill:
 Lumens: 74
 Efficiency: 3.3%

— Vertical Distribution through 7-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	1.2	2.5	1.2	1.2	2.5	2.5	2.5	2.5	2.5
75°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	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	0.0	1.2	1.2	1.2	1.2	1.2	1.2
47.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42.5°	63.6	67.3	62.4	58.6	56.1	56.1	56.1	66.1	72.3	67.3	58.6
37.5°	291.8	296.8	298.0	299.3	278.1	266.9	256.9	258.1	264.4	280.6	315.5
33°	760.7	768.2	765.7	768.2	769.4	778.1	773.1	775.6	783.1	783.1	780.6
29°	1113.6	1117.3	1116.1	1126.0	1122.3	1129.8	1126.0	1136.0	1149.7	1158.5	1146.0
25.5°	1204.6	1207.1	1210.8	1222.1	1225.8	1224.6	1223.3	1225.8	1233.3	1233.3	1229.5
22.5°	1222.1	1224.6	1228.3	1237.0	1242.0	1242.0	1232.0	1235.8	1249.5	1255.7	1255.7
19.5°	1244.5	1245.8	1248.2	1257.0	1258.2	1254.5	1250.7	1258.2	1268.2	1279.4	1281.9
17°	1281.9	1285.7	1286.9	1296.9	1308.1	1310.6	1301.9	1308.1	1318.1	1326.8	1328.1
15°	1329.3	1330.5	1335.5	1346.8	1358.0	1361.7	1351.7	1354.2	1358.0	1364.2	1359.2
13°	1351.7	1354.2	1359.2	1370.5	1381.7	1381.7	1371.7	1374.2	1372.9	1376.7	1368.0
11°	1377.9	1379.2	1381.7	1391.7	1401.6	1400.4	1384.2	1385.4	1382.9	1386.7	1374.2
9°	1400.4	1402.9	1402.9	1410.4	1416.6	1414.1	1394.1	1392.9	1386.7	1391.7	1377.9
7°	1419.1	1420.3	1420.3	1422.8	1427.8	1420.3	1397.9	1395.4	1387.9	1389.2	1376.7
5°	1431.6	1431.6	1431.6	1432.8	1434.1	1425.3	1399.1	1384.2	1384.2	1384.2	1370.5
3°	1435.3	1435.3	1435.3	1436.5	1437.8	1426.6	1397.9	1391.7	1379.2	1379.2	1361.7
1°	1431.6	1431.6	1432.8	1434.1	1435.3	1422.8	1392.9	1382.9	1370.5	1369.2	1366.7
0°	1429.1	1430.3	1431.6	1432.8	1434.1	1421.6	1390.4	1380.4	1366.7	1364.2	1375.4
-1°	1426.6	1426.6	1427.8	1430.3	1431.6	1419.1	1397.9	1376.7	1360.5	1358.0	1344.3
-3°	1412.9	1414.1	1415.3	1419.1	1420.3	1409.1	1375.4	1363.0	1345.5	1341.8	1321.8
-5°	1395.4	1395.4	1397.9	1401.6	1404.1	1390.4	1359.2	1344.3	1325.6	1318.1	1294.4
-7°	1374.2	1374.2	1376.7	1379.2	1381.7	1369.2	1338.0	1323.1	1304.4	1293.1	1264.5
-9°	1349.3	1349.3	1350.5	1353.0	1355.5	1343.0	1311.8	1289.4	1276.9	1263.2	1233.3
-11°	1320.6	1319.3	1319.3	1323.1	1324.3	1311.8	1283.2	1267.0	1245.8	1233.3	1207.1
-13°	1286.9	1286.9	1288.2	1289.4	1289.4	1276.9	1249.5	1233.3	1214.6	1194.6	1161.0
-15°	1250.7	1250.7	1250.7	1252.0	1252.0	1238.3	1210.8	1194.6	1172.2	1152.2	1116.1
-17°	1209.6	1210.8	1212.1	1212.1	1209.6	1195.9	1168.4	1149.7	1127.3	1104.8	1066.2
-19.5°	1143.5	1143.5	1144.7	1144.7	1142.3	1124.8	1096.1	1076.2	1053.7	1028.8	993.9
-22.5°	1031.3	1031.3	1032.5	1031.3	1022.5	1010.1	983.9	963.9	941.5	921.5	890.4
-25.5°	910.3	911.6	911.6	910.3	900.3	887.9	865.4	845.5	826.8	809.3	783.1
-29°	766.9	770.6	768.2	766.9	758.2	748.2	732.0	715.8	704.6	692.1	672.1
-33°	637.2	637.2	641.0	639.7	633.5	621.0	614.8	606.0	601.1	588.6	569.9
-37.5°	518.8	521.2	521.2	518.8	516.3	506.3	500.0	496.3	490.1	478.8	465.1
-42.5°	384.1	385.3	387.8	385.3	381.6	375.3	369.1	369.1	361.6	337.9	342.9
-47.5°	246.9	249.4	248.2	249.4	249.4	250.6	253.1	240.7	231.9	227.0	222.0
-55°	91.0	92.3	92.3	92.3	92.3	91.0	89.8	86.0	83.5	83.5	81.1
-65°	51.1	51.1	51.1	49.9	49.9	49.9	48.6	48.6	47.4	47.4	46.1
-75°	22.4	23.7	23.7	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
-85°	13.7	13.7	15.0	15.0	15.0	16.2	16.2	16.2	16.2	16.2	16.2
-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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CATALOG NUMBER: XTOR3A-XTORFLD+VISOR

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	2.5
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
65°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.5	2.5
55°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
47.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	2.5	2.5
42.5°	54.9	51.1	43.6	29.9	21.2	16.2	5.0	2.5	2.5	3.7	2.5
37.5°	264.4	263.1	254.4	224.5	195.8	162.1	117.2	20.0	5.0	5.0	3.7
33°	770.6	750.7	724.5	692.1	637.2	316.7	280.6	116.0	7.5	5.0	3.7
29°	1123.5	1106.1	1094.9	1028.8	971.4	828.0	682.1	229.4	16.2	6.2	3.7
25.5°	1222.1	1212.1	1184.6	1137.3	1064.9	935.3	753.2	300.5	34.9	6.2	5.0
22.5°	1249.5	1238.3	1214.6	1169.7	1094.9	965.2	778.1	467.6	58.6	7.5	5.0
19.5°	1278.2	1269.4	1245.8	1198.4	1123.5	992.6	803.1	501.3	87.3	7.5	5.0
17°	1318.1	1304.4	1275.7	1223.3	1147.2	1015.1	821.8	513.8	111.0	7.5	5.0
15°	1345.5	1326.8	1295.6	1238.3	1159.7	1021.3	826.8	510.0	129.7	7.5	5.0
13°	1350.5	1326.8	1293.1	1233.3	1153.5	1012.6	818.0	515.0	149.6	7.5	5.0
11°	1351.7	1325.6	1288.2	1227.0	1144.7	998.8	801.8	511.3	167.1	7.5	5.0
9°	1351.7	1321.8	1283.2	1218.3	1132.3	982.6	785.6	506.3	183.3	7.5	6.2
7°	1348.0	1315.6	1273.2	1203.4	1112.3	957.7	759.4	500.0	197.0	7.5	6.2
5°	1343.0	1305.6	1260.7	1185.9	1087.4	927.8	733.2	488.8	205.8	6.2	6.2
3°	1334.3	1294.4	1243.3	1162.2	1057.5	892.9	704.6	477.6	209.5	6.2	5.0
1°	1320.6	1280.7	1223.3	1136.0	1025.0	856.7	675.9	466.4	209.5	6.2	5.0
0°	1314.3	1273.2	1215.8	1124.8	1010.1	840.5	665.9	460.1	208.2	6.2	5.0
-1°	1306.9	1265.7	1204.6	1112.3	993.9	825.5	655.9	455.2	205.8	6.2	5.0
-3°	1286.9	1242.0	1178.4	1084.9	961.4	798.1	638.5	443.9	199.5	6.2	5.0
-5°	1258.2	1212.1	1148.5	1051.2	927.8	771.9	618.5	431.5	192.0	6.2	5.0
-7°	1228.3	1179.7	1113.6	1015.1	895.3	743.2	597.3	416.5	183.3	6.2	5.0
-9°	1193.4	1143.5	1078.7	978.9	860.4	710.8	574.9	401.5	174.6	6.2	5.0
-11°	1157.2	1108.6	1041.2	940.2	821.8	680.9	552.4	315.5	165.9	5.0	5.0
-13°	1117.3	1067.4	998.8	897.8	779.4	649.7	530.0	310.5	157.1	5.0	5.0
-15°	1069.9	1021.3	951.5	852.9	738.2	617.3	506.3	306.8	147.1	5.0	5.0
-17°	1026.3	971.4	901.6	801.8	698.3	587.3	481.3	300.5	137.2	5.0	5.0
-19.5°	949.0	902.8	833.0	743.2	650.9	549.9	450.2	289.3	123.5	5.0	5.0
-22.5°	851.7	808.1	742.0	667.1	591.1	502.5	412.8	273.1	107.2	5.0	3.7
-25.5°	750.7	709.5	652.2	593.6	530.0	452.7	314.2	249.4	92.3	5.0	3.7
-29°	643.5	608.5	562.4	520.0	465.1	400.3	300.5	215.7	72.3	5.0	3.7
-33°	544.9	518.8	480.1	450.2	404.0	347.9	279.3	159.6	52.4	3.7	3.7
-37.5°	446.4	426.5	402.8	372.9	308.0	294.3	241.9	113.5	28.7	3.7	2.5
-42.5°	314.2	314.2	293.0	273.1	250.6	210.7	170.8	68.6	16.2	3.7	2.5
-47.5°	208.2	198.3	185.8	169.6	150.9	128.4	99.8	27.4	11.2	3.7	2.5
-55°	79.8	77.3	76.1	72.3	71.1	64.8	48.6	16.2	8.7	3.7	2.5
-65°	44.9	43.6	43.6	41.2	39.9	36.2	23.7	12.5	6.2	3.7	2.5
-75°	21.2	21.2	20.0	20.0	18.7	16.2	13.7	10.0	6.2	3.7	2.5
-85°	16.2	15.0	15.0	15.0	13.7	12.5	11.2	8.7	6.2	3.7	2.5
-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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CATALOG NUMBER: XTOR3A-XTORFLD+VISOR

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)