

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: P27502

Luminaire Tested: **XTOR3B-W-FLD-KNC**

Test Date: 03/07/16

**Test Information**

Test Method: LM-79-08  
Report Number: P27502  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P27502)  
Test Lab: INNOVATION CENTER-P2  
Test Date: 03/07/16  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR3B-W-FLD-KNC  
Description: CROSSTOUR 26W FLOOD LED WITH BRONZE HOUSING AND VISOR  
Light Source:  
  
Ballast/Driver: (1) ERP ELECTRONIC DRIVER  
ESS030W-0620-42-CPLV

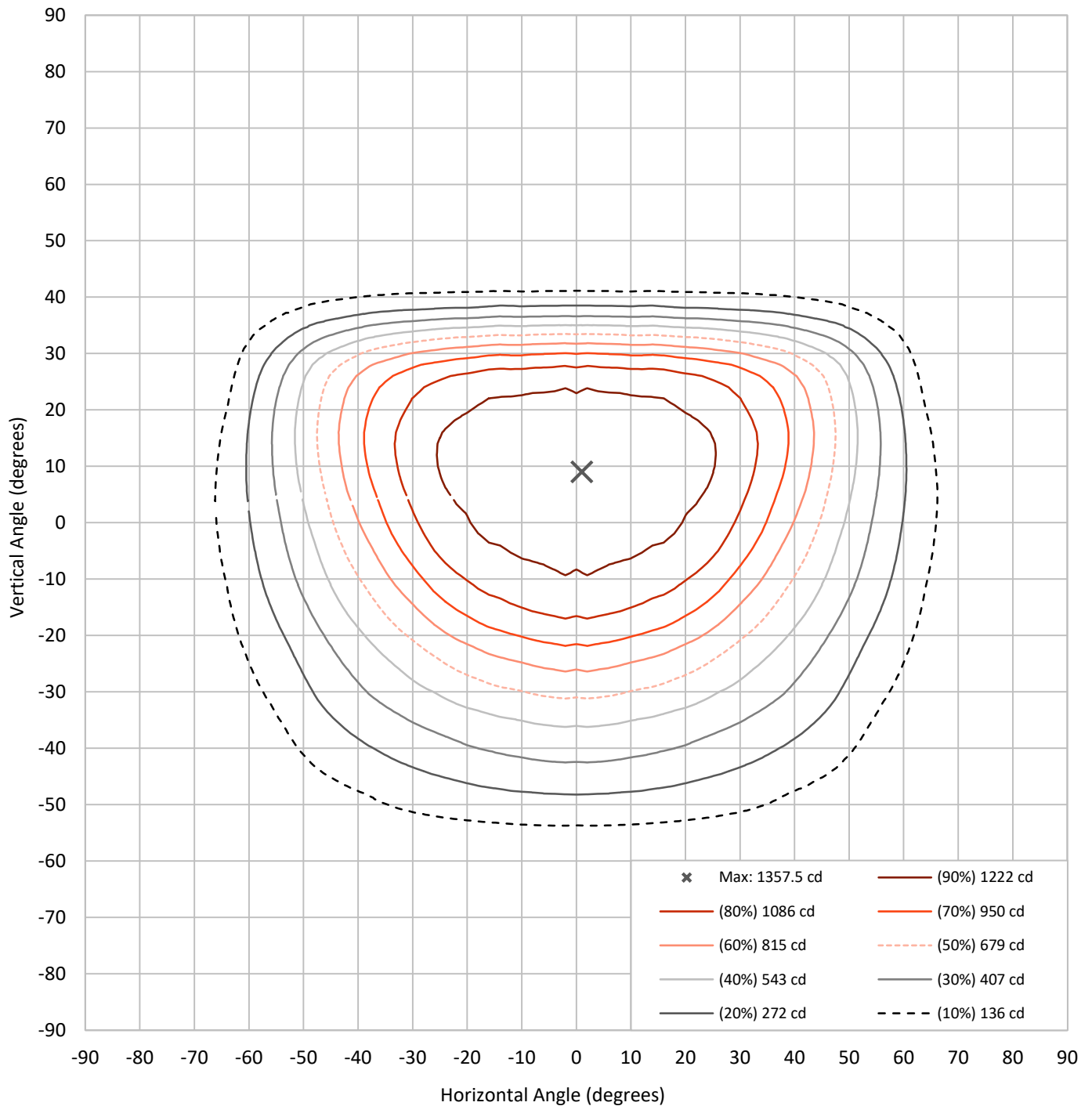
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 5V
Luminaire Lumens:	2068 lumens	Max Intensity:	1357.5 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x 9°V
Efficacy:	81.1 lumens/watt		
Luminous Opening:	(L: 0' x W: 0.5' x H: 0.17')		
Beam Angle (50%):	93.7°H x 64.8°V	Field Angle (10%):	131.9°H x 94.9°V
Beam Lumens:	1465.5 lumens	Field Lumens:	1990.6 lumens
Beam Efficiency:	70.9%	Field Efficiency:	96.3%
Input Watts (W):	25.5		
Input Voltage (V):	120.1		
Input Current (A <sub>in</sub> ):	0.215		
Voltage Rise (V):	NR		
Power Factor:	0.9928		
Total Harmonic Distortion (THDi):	10.9%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	24 HR		
Ambient Temperature (°C):	25.1		
Test Distance:	25 FT		



REPORT NUMBER: P27502  
CATALOG NUMBER: XTOR3B-W-FLD-KNC

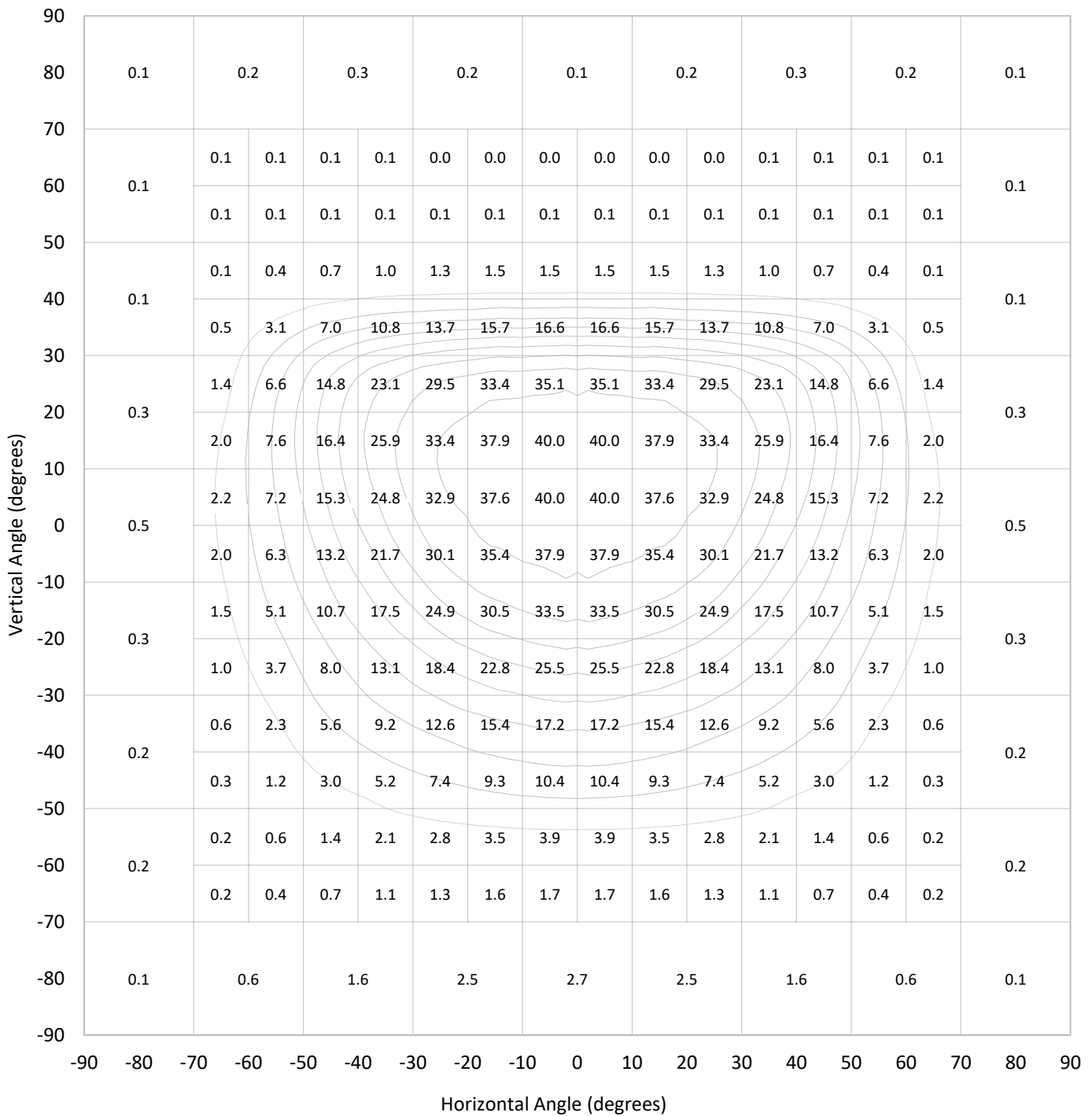
### Iso-Candela Plot





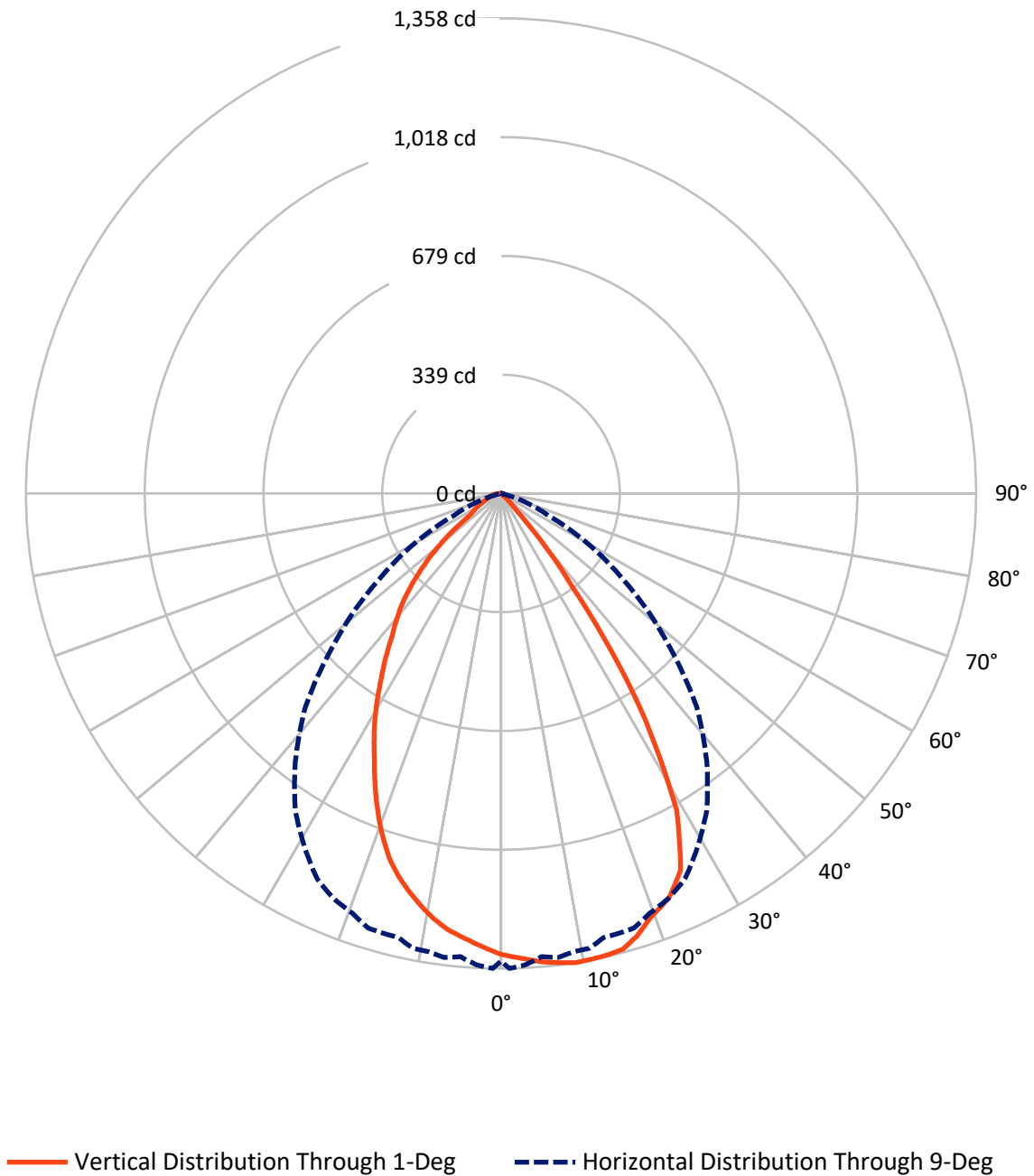
REPORT NUMBER: P27502  
 CATALOG NUMBER: XTOR3B-W-FLD-KNC

### Lumen Table



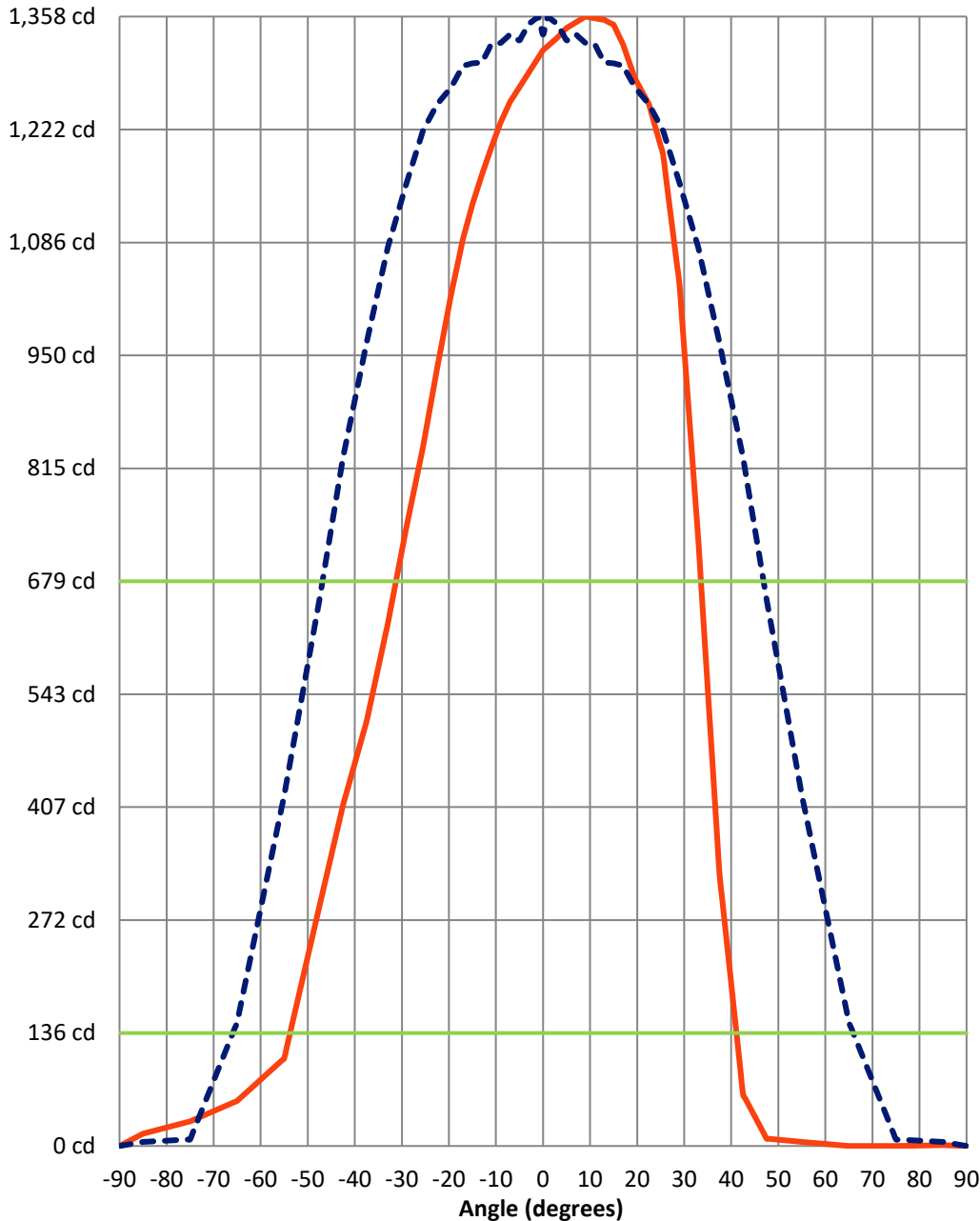
REPORT NUMBER: P27502  
CATALOG NUMBER: XTOR3B-W-FLD-KNC

### Luminous Intensity Polar Plot



REPORT NUMBER: P27502  
 CATALOG NUMBER: XTOR3B-W-FLD-KNC

### Luminous Intensity Plot



**Beam:**  
 H Angle: 93.7°  
 V Angle: 64.8°  
 Lumens: 1465.5  
 Efficiency: 70.9%

**Field:**  
 H Angle: 131.9°  
 V Angle: 94.9°  
 Lumens: 1990.6  
 Efficiency: 96.3%

**Spill:**  
 Lumens: 77.4  
 Efficiency: 3.7%

— Vertical Distribution through 1-Deg  
 - - - Horizontal Distribution through 9-Deg



REPORT NUMBER: P27502

CATALOG NUMBER: XTOR3B-W-FLD-KNC

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	1.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	0.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
65°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
55°	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
47.5°	8.9	8.9	8.9	8.9	8.9	7.9	8.9	7.9	7.9	7.9	7.9
42.5°	64.0	62.1	62.1	64.0	60.1	56.2	60.1	61.1	61.1	60.1	58.1
37.5°	323.1	327.1	321.1	323.1	320.2	317.2	317.2	328.0	320.2	310.3	301.4
33°	718.1	728.0	721.1	719.1	716.2	709.3	694.5	710.3	706.3	690.6	679.7
29°	1021.5	1035.3	1029.4	1019.6	1021.5	1012.7	1001.8	1011.7	1014.7	998.9	978.2
25.5°	1175.2	1192.0	1186.1	1171.3	1178.2	1168.3	1165.4	1163.4	1166.4	1150.6	1131.9
22.5°	1233.3	1252.1	1247.1	1232.4	1239.3	1229.4	1226.4	1220.5	1223.5	1210.7	1190.0
19.5°	1261.9	1283.6	1278.7	1262.9	1268.8	1257.0	1256.0	1248.1	1254.0	1246.2	1224.5
17°	1303.3	1324.0	1318.1	1301.3	1307.2	1294.4	1293.4	1282.6	1287.5	1281.6	1259.0
15°	1325.0	1347.6	1343.7	1327.9	1332.8	1320.0	1318.1	1303.3	1307.2	1303.3	1277.7
13°	1330.9	1353.5	1347.6	1331.9	1337.8	1325.9	1324.0	1306.2	1308.2	1306.2	1281.6
11°	1332.8	1355.5	1348.6	1331.9	1338.8	1325.9	1325.0	1306.2	1306.2	1305.3	1280.6
9°	1335.8	1357.5	1348.6	1328.9	1335.8	1325.9	1324.0	1302.3	1301.3	1298.4	1272.7
7°	1328.9	1350.6	1343.7	1324.0	1329.9	1318.1	1316.1	1294.4	1291.5	1289.5	1261.9
5°	1321.0	1343.7	1334.8	1315.1	1321.0	1310.2	1308.2	1285.6	1280.6	1278.7	1248.1
3°	1310.2	1331.9	1323.0	1302.3	1308.2	1297.4	1297.4	1274.7	1268.8	1265.9	1234.3
1°	1300.3	1322.0	1313.1	1292.5	1297.4	1287.5	1288.5	1266.8	1259.0	1257.0	1223.5
0°	1295.4	1317.1	1307.2	1285.6	1290.5	1281.6	1281.6	1259.9	1255.0	1252.1	1218.6
-1°	1287.5	1308.2	1298.4	1277.7	1281.6	1272.7	1273.7	1253.0	1248.1	1243.2	1209.7
-3°	1270.8	1290.5	1282.6	1261.9	1265.9	1256.0	1255.0	1235.3	1229.4	1225.5	1191.0
-5°	1254.0	1272.7	1266.8	1245.2	1246.2	1237.3	1235.3	1214.6	1209.7	1204.8	1169.3
-7°	1236.3	1255.0	1248.1	1227.4	1226.4	1214.6	1214.6	1193.9	1186.1	1179.2	1144.7
-9°	1214.6	1230.4	1224.5	1204.8	1204.8	1192.0	1188.0	1167.3	1158.5	1148.6	1114.1
-11°	1185.1	1199.9	1194.9	1176.2	1177.2	1161.4	1156.5	1135.8	1125.0	1115.1	1078.7
-13°	1151.6	1167.3	1162.4	1144.7	1146.7	1128.9	1122.0	1100.4	1087.6	1076.7	1038.3
-15°	1118.1	1131.9	1128.9	1111.2	1110.2	1093.5	1085.6	1062.9	1049.1	1034.4	995.0
-17°	1078.7	1090.5	1088.5	1068.8	1068.8	1049.1	1040.3	1017.6	1003.8	984.1	945.7
-19.5°	1012.7	1024.5	1020.6	1001.8	999.9	977.2	967.4	945.7	932.9	913.2	876.7
-22.5°	920.1	934.9	924.0	913.2	907.3	884.6	874.8	857.0	846.2	823.5	793.0
-25.5°	828.5	840.3	835.4	822.6	818.6	796.9	788.1	774.3	764.4	740.8	716.2
-29°	735.9	744.7	741.8	730.9	726.0	708.3	696.5	686.6	677.7	657.1	639.3
-33°	619.6	627.5	623.6	617.7	610.8	598.9	586.1	580.2	572.3	554.6	540.8
-37.5°	505.4	510.3	508.3	504.4	499.4	490.6	481.7	477.8	466.0	456.1	445.3
-42.5°	406.8	409.8	407.8	404.9	400.0	394.0	387.1	383.2	372.4	367.4	356.6
-47.5°	288.6	288.6	285.7	285.7	281.7	276.8	275.8	268.9	262.0	257.1	245.3
-55°	102.5	105.4	104.4	104.4	103.4	102.5	100.5	97.5	95.6	93.6	90.6
-65°	54.2	54.2	54.2	54.2	53.2	53.2	52.2	51.2	51.2	49.3	49.3
-75°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	28.6	28.6	28.6
-85°	14.8	14.8	15.8	16.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
-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: P27502

CATALOG NUMBER: XTOR3B-W-FLD-KNC

**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°	3.9	3.9	3.0	3.0	3.0	3.9	3.9	3.9	3.9	4.9	4.9
75°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.9	3.9	3.9	4.9
65°	1.0	1.0	1.0	2.0	2.0	2.0	3.0	3.9	3.9	3.9	4.9
55°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
47.5°	7.9	7.9	6.9	6.9	5.9	6.9	6.9	5.9	4.9	4.9	4.9
42.5°	59.1	52.2	56.2	53.2	45.3	41.4	35.5	31.5	5.9	5.9	4.9
37.5°	301.4	294.5	279.8	269.9	247.3	209.8	179.3	103.4	10.8	5.9	4.9
33°	669.9	649.2	617.7	587.1	538.8	463.0	382.2	217.7	27.6	5.9	4.9
29°	961.5	933.9	906.3	845.2	779.2	665.9	547.7	318.2	48.3	5.9	4.9
25.5°	1113.2	1086.6	1046.2	981.2	903.3	776.3	624.6	372.4	69.9	6.9	4.9
22.5°	1170.3	1142.7	1099.4	1035.3	943.7	813.7	652.1	400.9	90.6	6.9	4.9
19.5°	1203.8	1174.2	1126.0	1062.9	969.3	836.3	669.9	419.7	109.3	6.9	4.9
17°	1234.3	1203.8	1151.6	1084.6	986.1	851.1	678.7	427.5	123.1	6.9	4.9
15°	1254.0	1221.5	1164.4	1094.4	990.0	853.1	679.7	430.5	132.0	6.9	4.9
13°	1258.0	1224.5	1166.4	1094.4	987.1	848.2	674.8	429.5	138.9	6.9	4.9
11°	1259.0	1225.5	1164.4	1089.5	978.2	839.3	666.9	426.5	144.8	6.9	4.9
9°	1252.1	1220.5	1157.5	1079.7	965.4	827.5	657.1	421.6	148.8	7.9	4.9
7°	1241.2	1211.7	1146.7	1065.9	950.6	813.7	643.3	414.7	152.7	7.9	4.9
5°	1229.4	1198.9	1132.9	1050.1	929.9	794.0	627.5	406.8	152.7	7.9	4.9
3°	1216.6	1185.1	1114.1	1031.4	908.3	774.3	611.7	397.0	152.7	7.9	4.9
1°	1203.8	1171.3	1098.4	1011.7	886.6	753.6	596.0	388.1	150.7	7.9	4.9
0°	1195.9	1162.4	1086.6	999.9	874.8	742.8	587.1	383.2	148.8	7.9	4.9
-1°	1186.1	1152.6	1074.7	988.1	862.0	730.9	577.3	378.3	146.8	7.9	4.9
-3°	1163.4	1127.9	1048.1	959.5	834.4	705.3	559.5	368.4	141.9	8.9	4.9
-5°	1139.8	1097.4	1018.6	928.0	803.8	679.7	540.8	357.6	136.9	8.9	4.9
-7°	1112.2	1067.8	985.1	895.5	773.3	655.1	523.1	346.8	131.0	8.9	4.9
-9°	1078.7	1031.4	947.7	859.0	741.8	628.5	504.4	333.9	124.1	9.9	4.9
-11°	1042.2	991.0	908.3	821.6	711.2	603.9	484.7	321.1	117.2	9.9	4.9
-13°	999.9	946.7	864.9	781.2	679.7	577.3	462.0	305.4	110.3	9.9	4.9
-15°	954.6	900.4	822.6	744.7	648.2	548.7	440.3	289.6	104.4	9.9	4.9
-17°	904.3	852.1	780.2	707.3	614.7	521.1	418.7	271.9	96.5	9.9	4.9
-19.5°	838.3	789.1	723.1	657.1	574.3	484.7	388.1	250.2	87.7	9.9	4.9
-22.5°	760.5	714.2	659.0	598.0	525.1	442.3	355.6	223.6	75.9	9.9	4.9
-25.5°	687.6	644.3	598.9	542.8	478.8	404.9	327.1	199.0	64.0	9.9	4.9
-29°	613.7	571.4	536.9	485.7	433.4	364.5	293.6	171.4	52.2	9.9	4.9
-33°	517.2	484.7	458.1	418.7	376.3	316.2	255.1	139.9	38.4	9.9	4.9
-37.5°	424.6	402.9	379.3	346.8	308.3	258.1	204.9	105.4	26.6	9.9	4.9
-42.5°	333.9	319.2	294.5	267.0	230.5	187.2	146.8	72.9	21.7	8.9	4.9
-47.5°	232.5	217.7	200.0	177.3	147.8	121.2	96.5	46.3	19.7	8.9	4.9
-55°	87.7	83.7	79.8	74.9	70.9	65.0	55.2	31.5	16.7	8.9	4.9
-65°	47.3	45.3	44.3	41.4	38.4	34.5	28.6	19.7	12.8	7.9	4.9
-75°	27.6	26.6	25.6	24.6	22.7	20.7	17.7	13.8	9.9	6.9	4.9
-85°	17.7	16.7	16.7	15.8	14.8	13.8	12.8	10.8	8.9	6.9	4.9
-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: P27502

CATALOG NUMBER: XTOR3B-W-FLD-KNC

**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)