

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: P208566

Luminaire Tested: **XTOR3B-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27501)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR3B-W
Description: CROSSTOUR 26W WALL MOUNT LED

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2710.1 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.46' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

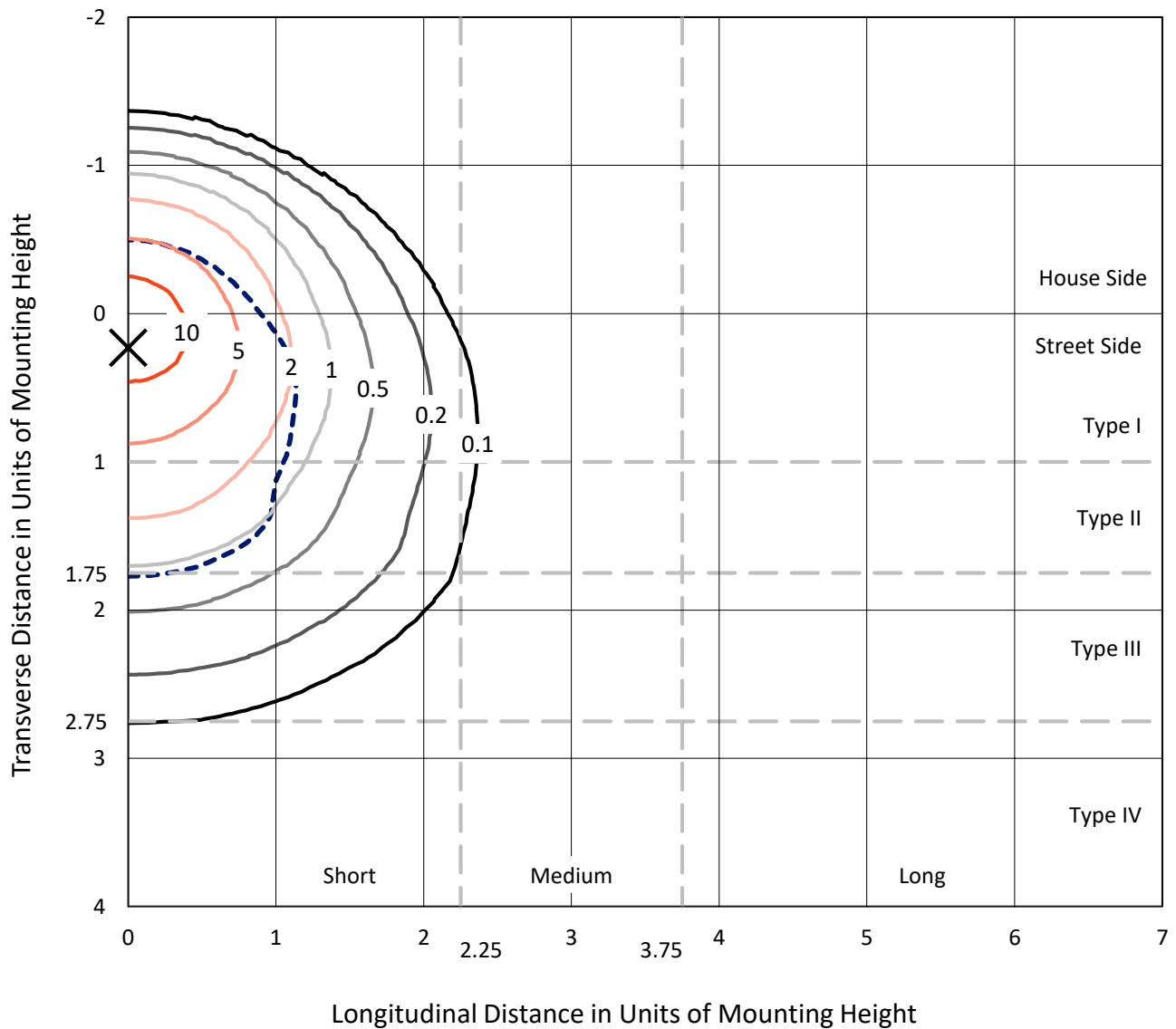
Input Watts (W): 25.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

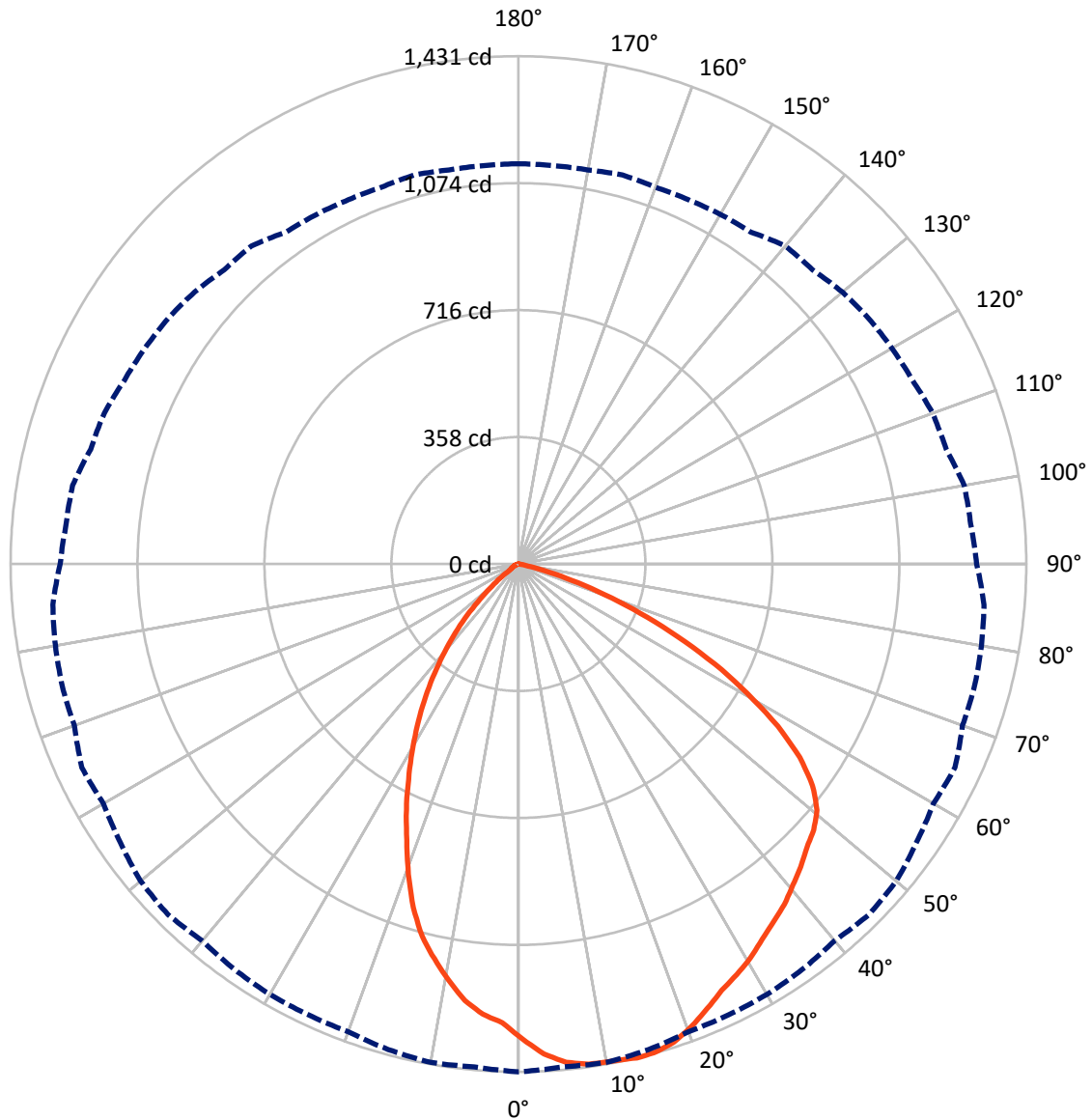
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 13-Deg Vertical

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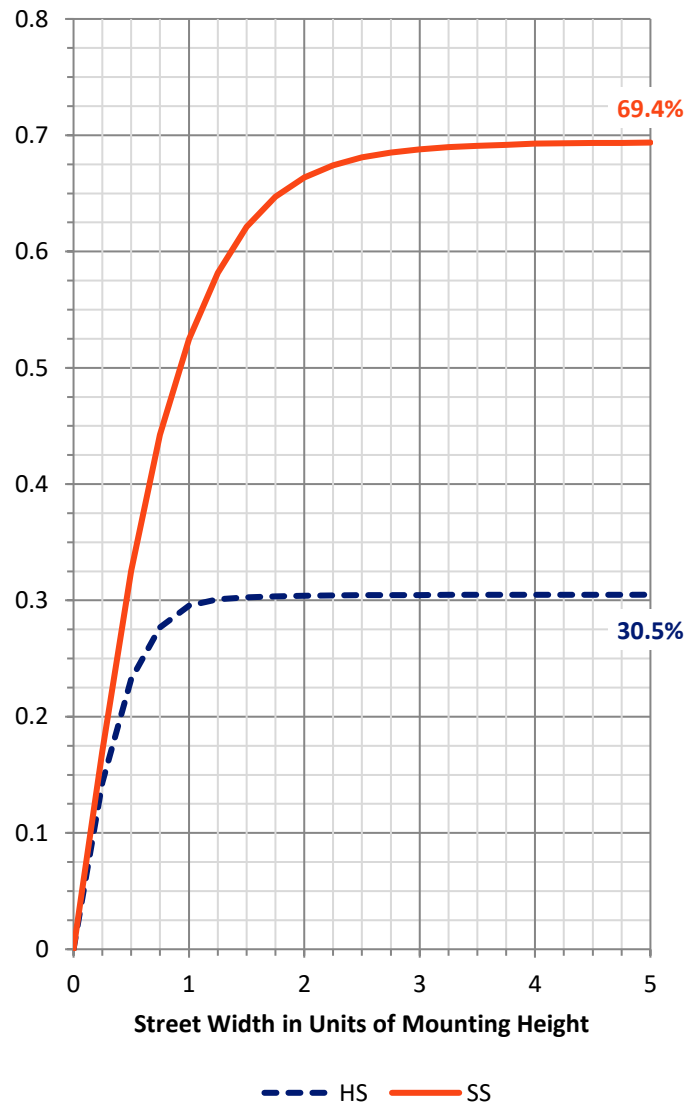
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.4	0.0	833.4
	% Fixture	30.8	0.0	30.8
Street Side	Lumens	1876.7	0.0	1876.7
	% Fixture	69.2	0.0	69.2
Total	Lumens	2710.1	0.0	2710.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	4.7
10°-20°	354.9	13.1
20°-30°	505.1	18.6
30°-40°	556.1	20.5
40°-50°	511.7	18.9
50°-60°	385.1	14.2
60°-70°	211.8	7.8
70°-80°	56.1	2.1
80°-90°	2.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2710.1	100.0
0°-180°	2710.1	100.0

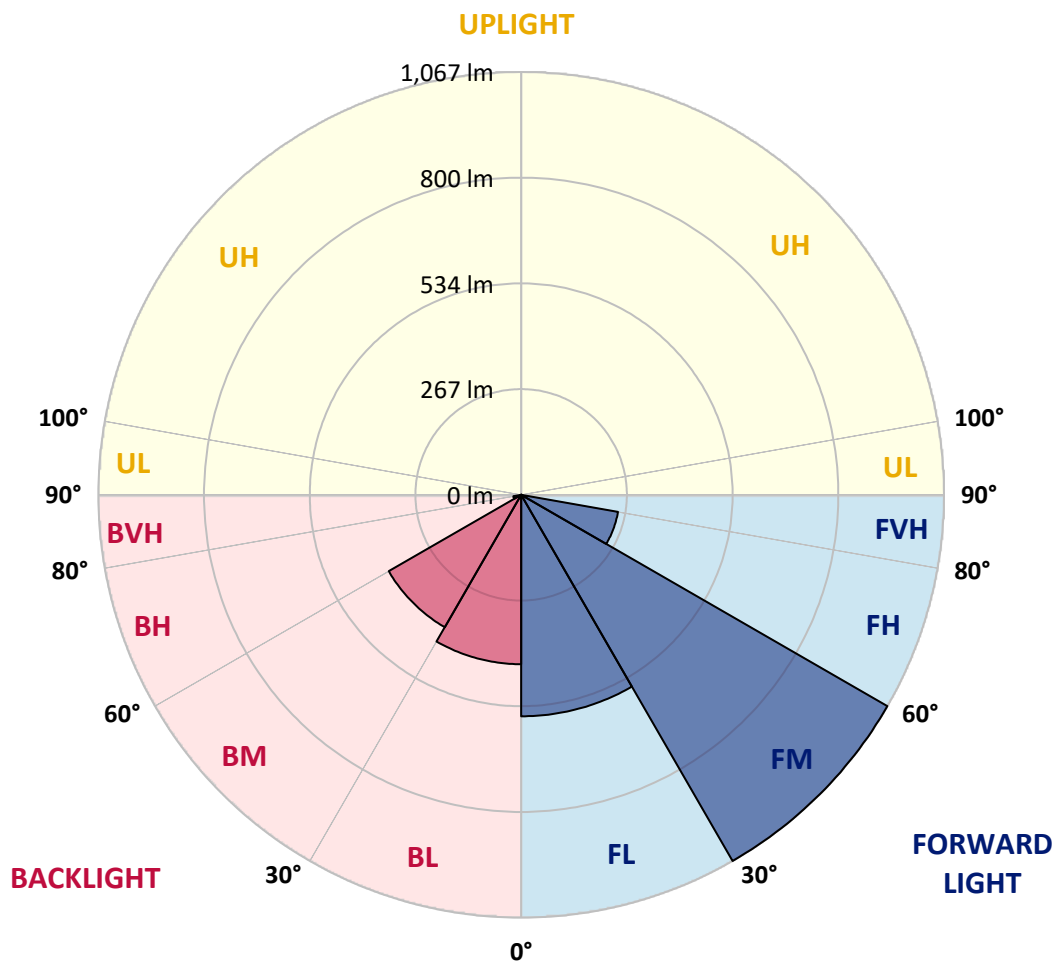


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	559.0	20.6			
FM	(30°-60°)	1067.3	39.4			
FH	(60°-80°)	248.1	9.2			G0/660
FVH	(80°-90°)	2.3	0.1			G0/10
BL	(0°-30°)	427.5	15.8	B1/500		
BM	(30°-60°)	385.7	14.2	B1/1000		
BH	(60°-80°)	19.8	0.7	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8
2.5°	1383.2	1376.3	1380.2	1373.3	1362.5	1360.5	1361.5	1358.5	1351.6	1367.4	1367.4
5°	1410.7	1402.9	1406.8	1397.9	1385.1	1384.1	1381.2	1377.2	1371.3	1386.1	1385.1
7.5°	1423.6	1415.7	1419.6	1409.8	1397.0	1394.0	1392.0	1387.1	1379.2	1394.0	1392.0
10°	1425.5	1418.6	1421.6	1412.7	1397.9	1395.0	1392.0	1387.1	1379.2	1392.0	1388.1
12.5°	1429.5	1421.6	1425.5	1415.7	1401.9	1400.9	1397.9	1395.0	1384.1	1396.0	1389.1
13°	1431.4	1422.6	1426.5	1416.7	1402.9	1401.9	1400.9	1395.0	1386.1	1397.0	1390.1
15°	1429.5	1421.6	1425.5	1416.7	1405.8	1405.8	1404.8	1399.9	1390.1	1399.9	1390.1
17.5°	1417.6	1407.8	1414.7	1406.8	1397.0	1396.0	1395.0	1391.0	1379.2	1390.1	1382.2
20°	1392.0	1382.2	1392.0	1385.1	1376.3	1377.2	1377.2	1373.3	1362.5	1375.3	1369.4
22.5°	1361.5	1352.6	1360.5	1359.5	1352.6	1355.6	1357.5	1355.6	1348.7	1362.5	1356.6
25°	1330.9	1325.0	1334.9	1331.9	1327.0	1332.9	1334.9	1336.9	1331.9	1345.7	1339.8
27.5°	1310.3	1304.3	1314.2	1312.2	1305.3	1308.3	1309.3	1311.2	1307.3	1321.1	1317.2
30°	1288.6	1282.7	1290.6	1290.6	1282.7	1281.7	1277.7	1276.8	1273.8	1288.6	1287.6
32.5°	1261.0	1255.1	1263.0	1261.0	1253.1	1250.2	1246.2	1240.3	1233.4	1250.2	1252.1
35°	1238.3	1228.5	1236.4	1234.4	1225.5	1218.6	1217.7	1211.7	1200.9	1210.8	1213.7
37.5°	1217.7	1209.8	1211.7	1210.8	1200.9	1195.0	1188.1	1179.2	1165.4	1170.4	1172.3
40°	1191.1	1182.2	1183.2	1182.2	1174.3	1164.5	1152.6	1141.8	1126.0	1126.0	1121.1
42.5°	1166.4	1157.6	1155.6	1151.6	1141.8	1129.0	1115.2	1099.4	1082.7	1079.7	1065.9
45°	1139.8	1128.0	1126.0	1114.2	1100.4	1085.6	1072.8	1051.2	1032.4	1024.6	1007.8
47.5°	1120.1	1110.3	1102.4	1083.7	1058.1	1041.3	1024.6	1004.9	979.2	966.4	944.8
50°	1090.6	1086.6	1080.7	1063.0	1029.5	993.0	970.4	944.8	915.2	896.5	872.8
52.5°	1038.4	1037.4	1035.4	1027.5	999.9	966.4	921.1	884.7	847.2	817.7	791.1
55°	962.5	965.5	963.5	958.6	939.8	915.2	880.7	819.7	766.5	736.9	707.3
57.5°	862.0	866.0	868.9	861.0	846.2	835.4	812.8	770.4	694.5	660.1	627.5
60°	740.8	742.8	740.8	741.8	732.0	729.0	713.3	688.6	643.3	584.2	551.7
62.5°	621.6	620.6	626.6	620.6	612.8	607.8	604.9	600.0	575.3	531.0	474.8
65°	492.6	492.6	493.6	498.5	494.5	491.6	493.6	496.5	483.7	466.0	411.8
67.5°	369.4	371.4	372.4	382.2	382.2	384.2	382.2	389.1	384.2	377.3	361.6
70°	257.1	258.1	268.0	268.0	275.8	277.8	279.8	290.6	291.6	290.6	286.7
72.5°	156.6	157.6	166.5	169.4	174.4	180.3	188.2	201.0	201.0	206.9	205.9
75°	73.9	75.9	81.8	86.7	92.6	103.4	110.3	123.1	126.1	133.0	132.0
77.5°	27.6	25.6	28.6	30.5	34.5	42.4	47.3	59.1	64.0	71.9	72.9
80°	11.8	10.8	10.8	10.8	9.9	11.8	13.8	18.7	22.7	27.6	31.5
82.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.9	7.9
85°	3.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8
2.5°	1353.6	1341.8	1354.6	1336.9	1342.8	1343.8	1344.7	1326.0	1323.1	1328.0	1311.2
5°	1369.4	1355.6	1368.4	1347.7	1352.6	1351.6	1349.7	1328.0	1323.1	1326.0	1306.3
7.5°	1376.3	1362.5	1374.3	1353.6	1355.6	1353.6	1349.7	1324.1	1317.2	1316.2	1293.5
10°	1370.4	1355.6	1365.4	1342.8	1344.7	1339.8	1335.9	1309.3	1300.4	1298.4	1272.8
12.5°	1369.4	1350.7	1358.5	1333.9	1332.9	1327.0	1320.1	1294.5	1284.6	1279.7	1252.1
13°	1369.4	1350.7	1357.5	1331.9	1330.9	1325.0	1317.2	1291.5	1279.7	1275.8	1248.2
15°	1367.4	1348.7	1353.6	1327.0	1322.1	1315.2	1304.3	1275.8	1263.0	1255.1	1226.5
17.5°	1359.5	1341.8	1345.7	1315.2	1307.3	1296.5	1283.7	1250.2	1232.4	1222.6	1189.1
20°	1346.7	1329.0	1330.9	1298.4	1288.6	1272.8	1254.1	1219.6	1198.0	1181.2	1145.7
22.5°	1333.9	1313.2	1313.2	1277.7	1265.9	1247.2	1224.6	1186.1	1158.5	1136.9	1096.5
25°	1316.2	1294.5	1294.5	1259.0	1241.3	1220.6	1192.0	1146.7	1114.2	1086.6	1042.3
27.5°	1295.5	1270.9	1270.9	1231.4	1209.8	1186.1	1151.6	1102.4	1064.0	1029.5	981.2
30°	1266.9	1238.3	1234.4	1195.0	1171.4	1140.8	1102.4	1048.2	1002.9	962.5	913.2
32.5°	1228.5	1199.9	1194.0	1154.6	1127.0	1088.6	1044.3	983.2	932.9	886.6	834.4
35°	1192.0	1166.4	1154.6	1108.3	1077.8	1033.4	981.2	914.2	860.0	815.7	760.5
37.5°	1155.6	1128.0	1113.2	1062.0	1024.6	975.3	911.3	843.3	785.2	741.8	692.6
40°	1104.4	1076.8	1061.0	1004.9	960.5	904.4	836.4	767.4	711.3	668.9	622.6
42.5°	1044.3	1019.6	1001.9	943.8	889.6	825.6	762.5	694.5	640.4	600.9	557.6
45°	979.2	952.6	929.0	865.0	812.8	754.6	689.6	624.6	573.4	534.0	488.6
47.5°	909.3	874.8	846.2	791.1	739.9	684.7	624.6	556.6	510.3	469.9	429.5
50°	830.5	791.1	764.5	710.3	665.0	615.7	553.7	488.6	440.4	405.9	365.5
52.5°	746.7	710.3	685.7	641.3	597.0	545.8	484.7	421.6	381.3	342.8	306.4
55°	664.0	630.5	610.8	566.5	525.1	471.9	416.7	358.6	320.2	285.7	249.2
57.5°	589.1	556.6	533.0	495.5	451.2	404.9	353.7	297.5	261.1	226.6	193.1
60°	513.3	479.8	460.1	422.6	383.2	336.9	285.7	240.4	204.9	173.4	139.9
62.5°	440.4	409.8	384.2	352.7	315.3	270.9	228.6	187.2	156.6	124.1	93.6
65°	371.4	336.9	315.3	284.7	250.2	211.8	175.4	136.9	109.4	80.8	55.2
67.5°	299.5	272.9	249.2	218.7	187.2	156.6	127.1	91.6	66.0	44.3	26.6
70°	248.3	212.8	185.2	160.6	131.0	106.4	82.8	54.2	34.5	19.7	12.8
72.5°	193.1	154.7	133.0	109.4	85.7	66.0	45.3	25.6	14.8	10.8	9.9
75°	125.1	112.3	88.7	68.0	49.3	34.5	20.7	10.8	8.9	8.9	7.9
77.5°	69.9	65.0	51.2	36.5	23.6	13.8	8.9	6.9	6.9	5.9	4.9
80°	30.5	29.6	23.6	15.8	8.9	6.9	6.9	4.9	3.9	3.9	3.0
82.5°	6.9	5.9	4.9	5.9	5.9	4.9	3.9	3.0	3.0	2.0	1.0
85°	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8	1338.8
2.5°	1318.1	1313.2	1319.1	1319.1	1320.1	1308.3	1315.2	1294.5	1295.5	1294.5	1294.5
5°	1311.2	1303.4	1306.3	1305.3	1304.3	1291.5	1296.5	1274.8	1274.8	1272.8	1271.8
7.5°	1295.5	1285.6	1285.6	1281.7	1278.7	1263.0	1266.9	1243.3	1244.3	1240.3	1239.3
10°	1271.8	1258.0	1253.1	1247.2	1239.3	1221.6	1224.6	1198.9	1198.9	1193.0	1191.1
12.5°	1248.2	1231.4	1221.6	1211.7	1199.9	1180.2	1179.2	1151.6	1146.7	1142.8	1139.8
13°	1242.3	1225.5	1215.7	1205.8	1192.0	1172.3	1170.4	1141.8	1137.9	1132.9	1130.0
15°	1218.6	1199.9	1187.1	1176.3	1160.5	1137.9	1132.9	1104.4	1099.4	1092.5	1087.6
17.5°	1177.3	1155.6	1139.8	1127.0	1107.3	1084.7	1076.8	1044.3	1038.4	1027.5	1020.6
20°	1131.0	1104.4	1087.6	1066.9	1045.3	1017.7	1006.8	970.4	961.5	947.7	939.8
22.5°	1073.8	1048.2	1024.6	999.9	974.3	942.8	926.0	887.6	875.8	862.0	851.2
25°	1017.7	983.2	954.6	926.0	897.5	863.0	845.3	808.8	796.0	784.2	773.3
27.5°	947.7	912.3	879.7	850.2	817.7	788.1	771.4	739.9	724.1	710.3	700.4
30°	871.9	835.4	801.9	774.3	741.8	715.2	698.5	668.9	654.1	637.4	628.5
32.5°	798.0	758.6	727.0	699.5	671.9	643.3	626.6	598.0	581.2	567.5	554.6
35°	725.1	689.6	659.1	631.5	603.9	576.3	558.6	530.0	514.3	498.5	485.7
37.5°	657.1	623.6	593.1	566.5	536.9	510.3	492.6	465.0	451.2	435.4	420.7
40°	590.1	557.6	527.1	500.5	470.9	445.3	426.6	399.0	382.2	369.4	354.7
42.5°	525.1	490.6	461.1	433.5	405.9	380.3	362.5	335.9	321.2	302.4	290.6
45°	458.1	425.6	396.0	369.4	342.8	315.3	297.5	272.9	259.1	243.3	230.5
47.5°	393.1	364.5	334.0	308.4	278.8	253.2	234.5	214.8	199.0	184.2	172.4
50°	333.0	303.4	273.9	244.3	217.7	195.1	175.4	153.7	142.8	129.1	118.2
52.5°	274.9	243.3	214.8	187.2	160.6	136.9	120.2	103.4	89.6	79.8	70.9
55°	215.7	187.2	158.6	132.0	108.4	88.7	70.9	58.1	48.3	42.4	40.4
57.5°	160.6	133.0	107.4	81.8	60.1	44.3	34.5	30.5	28.6	24.6	23.6
60°	111.3	85.7	62.1	41.4	27.6	23.6	23.6	22.7	21.7	21.7	21.7
62.5°	69.0	46.3	28.6	20.7	20.7	21.7	20.7	18.7	18.7	17.7	16.7
65°	35.5	21.7	16.7	18.7	19.7	17.7	14.8	13.8	13.8	13.8	13.8
67.5°	16.7	14.8	16.7	15.8	13.8	11.8	10.8	10.8	10.8	10.8	10.8
70°	11.8	12.8	12.8	10.8	8.9	8.9	7.9	7.9	7.9	7.9	7.9
72.5°	9.9	9.9	8.9	6.9	6.9	5.9	5.9	4.9	4.9	4.9	4.9
75°	6.9	5.9	4.9	4.9	3.9	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	4.9	3.9	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
80°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P208566
 CATALOG NUMBER: XTOR3B-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1338.8	1338.8	1338.8	1338.8
2.5°	1302.4	1294.5	1294.5	1293.5
5°	1279.7	1272.8	1272.8	1272.8
7.5°	1247.2	1238.3	1238.3	1239.3
10°	1198.0	1192.0	1190.1	1190.1
12.5°	1144.8	1137.9	1136.9	1137.9
13°	1134.9	1128.0	1127.0	1128.0
15°	1090.6	1084.7	1082.7	1083.7
17.5°	1020.6	1014.7	1008.8	1012.7
20°	936.9	929.0	922.1	928.0
22.5°	848.2	842.3	838.4	839.4
25°	769.4	762.5	758.6	761.5
27.5°	696.5	689.6	685.7	681.7
30°	622.6	615.7	611.8	608.8
32.5°	547.7	540.9	535.9	536.9
35°	479.8	471.9	467.9	469.9
37.5°	414.8	407.9	401.9	401.9
40°	346.8	340.9	335.9	335.0
42.5°	283.7	278.8	274.9	274.9
45°	222.6	216.7	212.8	214.8
47.5°	164.5	160.6	156.6	156.6
50°	111.3	109.4	107.4	105.4
52.5°	68.0	66.0	64.0	65.0
55°	34.5	33.5	33.5	32.5
57.5°	24.6	23.6	23.6	23.6
60°	21.7	21.7	21.7	21.7
62.5°	17.7	17.7	17.7	17.7
65°	14.8	14.8	14.8	14.8
67.5°	10.8	11.8	11.8	11.8
70°	8.9	8.9	8.9	8.9
72.5°	5.9	5.9	5.9	5.9
75°	3.0	3.9	3.9	3.9
77.5°	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)