

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: P218828

Luminaire Tested: **XTOR3B-Y**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218828
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-Y
Description: CROSSTOUR WALL MOUNT LED

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2575 lumens
Efficiency: N/A
Efficacy: 101.0 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

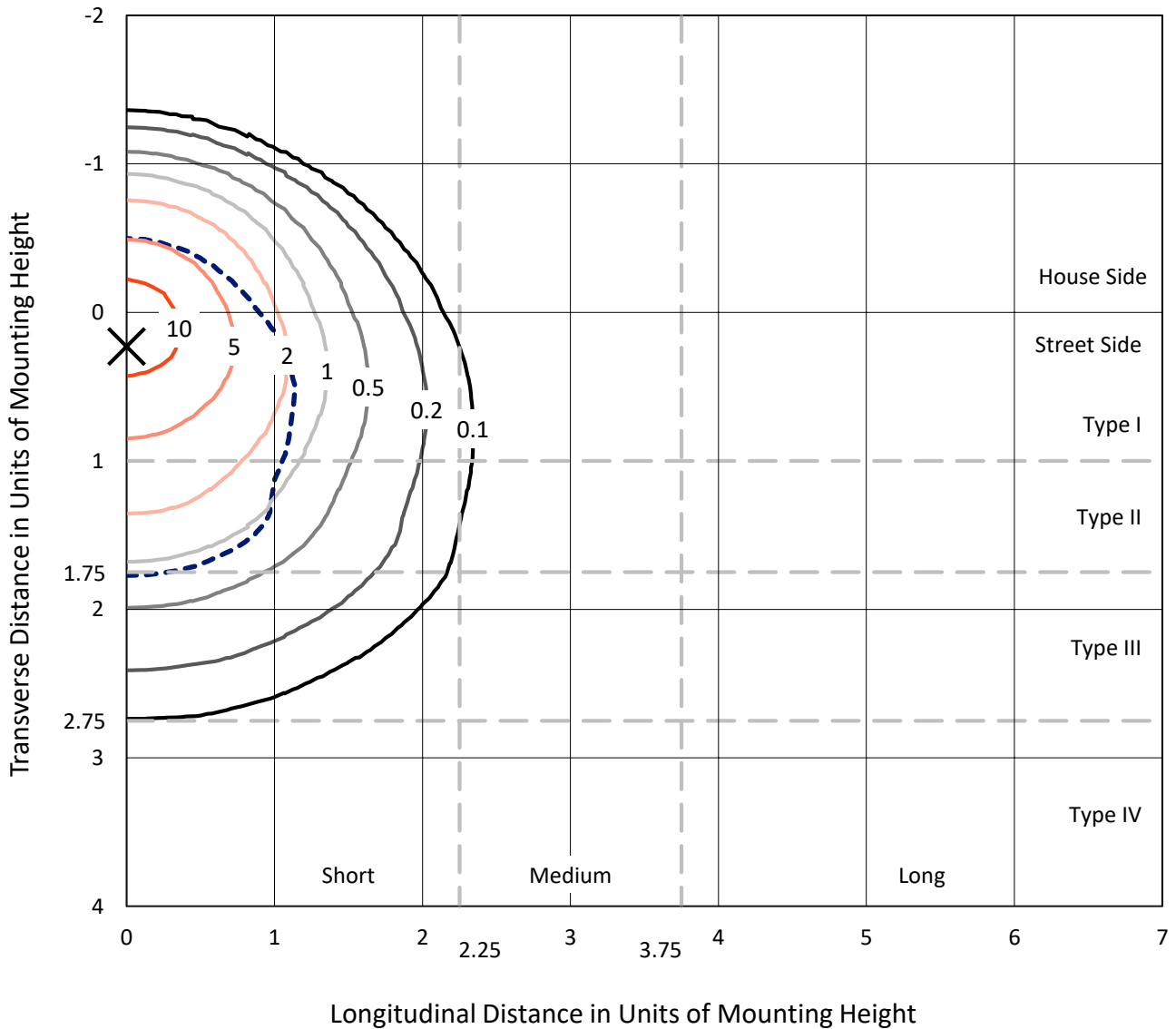
Input Watts (W): 25.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

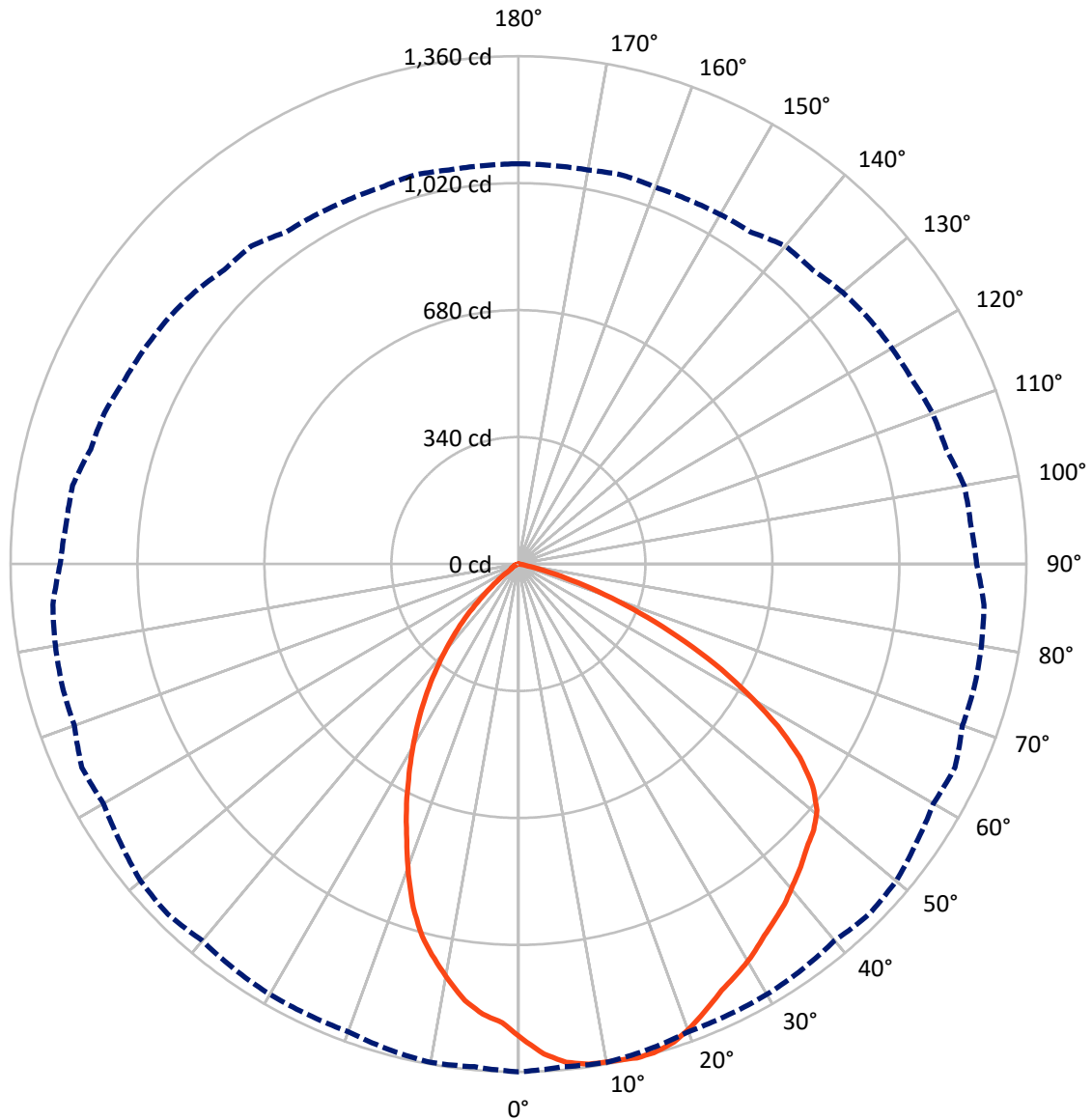
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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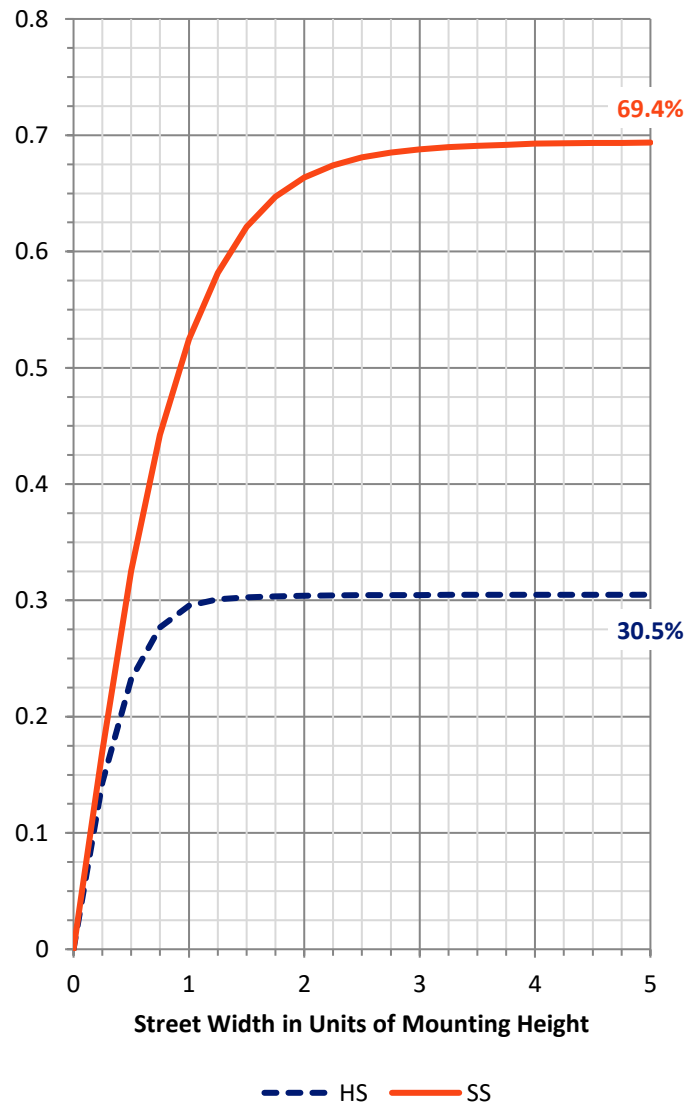
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	791.8	0.0	791.8
	% Fixture	30.8	0.0	30.8
Street Side	Lumens	1783.2	0.0	1783.2
	% Fixture	69.2	0.0	69.2
Total	Lumens	2575.0	0.0	2575.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	4.7
10°-20°	337.2	13.1
20°-30°	480.0	18.6
30°-40°	528.3	20.5
40°-50°	486.2	18.9
50°-60°	365.9	14.2
60°-70°	201.3	7.8
70°-80°	53.3	2.1
80°-90°	2.6	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°	2575.0	100.0
0°-180°	2575.0	100.0

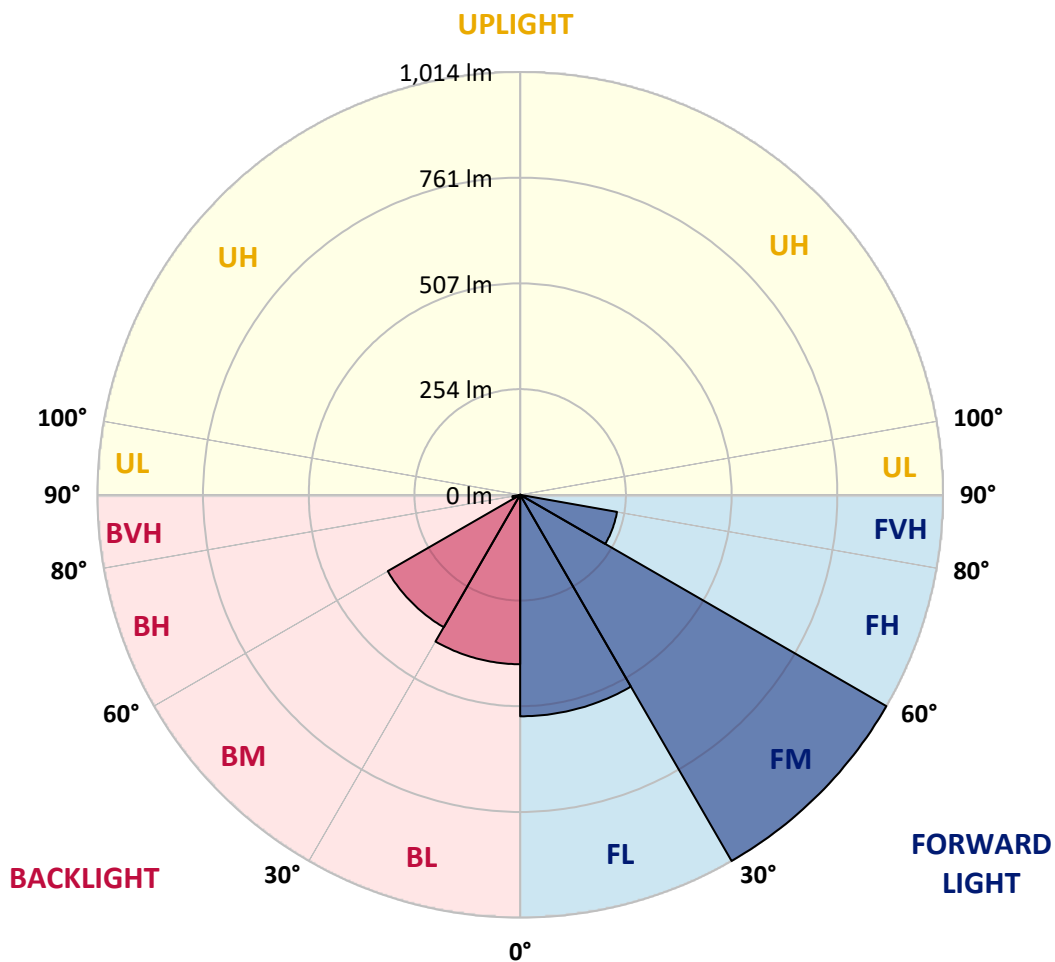


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	531.2	20.6			
FM	(30°-60°)	1014.0	39.4			
FH	(60°-80°)	235.7	9.2			G0/660
FVH	(80°-90°)	2.2	0.1			G0/10
BL	(0°-30°)	406.2	15.8	B1/500		
BM	(30°-60°)	366.4	14.2	B1/1000		
BH	(60°-80°)	18.8	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°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1314.2	1307.6	1311.4	1304.8	1294.5	1292.7	1293.6	1290.8	1284.2	1299.2	1299.2
5°	1340.4	1332.9	1336.7	1328.2	1316.1	1315.1	1312.3	1308.6	1303.0	1317.0	1316.1
7.5°	1352.6	1345.1	1348.8	1339.5	1327.3	1324.5	1322.6	1317.9	1310.5	1324.5	1322.6
10°	1354.5	1347.9	1350.7	1342.3	1328.2	1325.4	1322.6	1317.9	1310.5	1322.6	1318.9
12.5°	1358.2	1350.7	1354.5	1345.1	1332.0	1331.0	1328.2	1325.4	1315.1	1326.4	1319.8
13°	1360.1	1351.6	1355.4	1346.0	1332.9	1332.0	1331.0	1325.4	1317.0	1327.3	1320.8
15°	1358.2	1350.7	1354.5	1346.0	1335.7	1335.7	1334.8	1330.1	1320.8	1330.1	1320.8
17.5°	1347.0	1337.6	1344.2	1336.7	1327.3	1326.4	1325.4	1321.7	1310.5	1320.8	1313.3
20°	1322.6	1313.3	1322.6	1316.1	1307.6	1308.6	1308.6	1304.8	1294.5	1306.7	1301.1
22.5°	1293.6	1285.2	1292.7	1291.7	1285.2	1288.0	1289.9	1288.0	1281.4	1294.5	1288.9
25°	1264.6	1259.0	1268.3	1265.5	1260.8	1266.5	1268.3	1270.2	1265.5	1278.6	1273.0
27.5°	1244.9	1239.3	1248.7	1246.8	1240.3	1243.1	1244.0	1245.9	1242.1	1255.2	1251.5
30°	1224.3	1218.7	1226.2	1226.2	1218.7	1217.8	1214.0	1213.1	1210.3	1224.3	1223.4
32.5°	1198.1	1192.5	1200.0	1198.1	1190.6	1187.8	1184.1	1178.5	1171.9	1187.8	1189.7
35°	1176.6	1167.2	1174.7	1172.9	1164.4	1157.9	1156.9	1151.3	1141.0	1150.4	1153.2
37.5°	1156.9	1149.5	1151.3	1150.4	1141.0	1135.4	1128.9	1120.4	1107.3	1112.0	1113.9
40°	1131.7	1123.2	1124.2	1123.2	1115.8	1106.4	1095.2	1084.9	1069.9	1069.9	1065.2
42.5°	1108.3	1099.8	1098.0	1094.2	1084.9	1072.7	1059.6	1044.6	1028.7	1025.9	1012.8
45°	1083.0	1071.8	1069.9	1058.7	1045.6	1031.5	1019.3	998.8	981.0	973.5	957.6
47.5°	1064.3	1054.9	1047.4	1029.6	1005.3	989.4	973.5	954.8	930.4	918.3	897.7
50°	1036.2	1032.5	1026.8	1010.0	978.2	943.5	922.0	897.7	869.6	851.8	829.3
52.5°	986.6	985.7	983.8	976.3	950.1	918.3	875.2	840.6	805.0	776.9	751.6
55°	914.5	917.3	915.4	910.8	893.0	869.6	836.8	778.8	728.2	700.2	672.1
57.5°	819.0	822.8	825.6	818.1	804.1	793.8	772.2	732.0	659.9	627.1	596.3
60°	703.9	705.8	703.9	704.8	695.5	692.7	677.7	654.3	611.2	555.1	524.2
62.5°	590.6	589.7	595.3	589.7	582.2	577.5	574.7	570.0	546.6	504.5	451.2
65°	468.0	468.0	469.0	473.6	469.9	467.1	469.0	471.8	459.6	442.7	391.3
67.5°	351.0	352.9	353.8	363.2	363.2	365.1	363.2	369.7	365.1	358.5	343.5
70°	244.3	245.2	254.6	254.6	262.1	264.0	265.8	276.1	277.1	276.1	272.4
72.5°	148.8	149.8	158.2	161.0	165.7	171.3	178.8	191.0	191.0	196.6	195.6
75°	70.2	72.1	77.7	82.4	88.0	98.3	104.8	117.0	119.8	126.4	125.4
77.5°	26.2	24.3	27.1	29.0	32.8	40.2	44.9	56.2	60.8	68.3	69.3
80°	11.2	10.3	10.3	10.3	9.4	11.2	13.1	17.8	21.5	26.2	30.0
82.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.6	7.5
85°	2.8	1.9	2.8	2.8	1.9	1.9	1.9	1.9	2.8	2.8	2.8
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1286.1	1274.9	1287.1	1270.2	1275.8	1276.8	1277.7	1259.9	1257.1	1261.8	1245.9
5°	1301.1	1288.0	1300.2	1280.5	1285.2	1284.2	1282.4	1261.8	1257.1	1259.9	1241.2
7.5°	1307.6	1294.5	1305.8	1286.1	1288.0	1286.1	1282.4	1258.0	1251.5	1250.5	1229.0
10°	1302.0	1288.0	1297.4	1275.8	1277.7	1273.0	1269.3	1244.0	1235.6	1233.7	1209.4
12.5°	1301.1	1283.3	1290.8	1267.4	1266.5	1260.8	1254.3	1230.0	1220.6	1215.9	1189.7
13°	1301.1	1283.3	1289.9	1265.5	1264.6	1259.0	1251.5	1227.1	1215.9	1212.2	1186.0
15°	1299.2	1281.4	1286.1	1260.8	1256.2	1249.6	1239.3	1212.2	1200.0	1192.5	1165.4
17.5°	1291.7	1274.9	1278.6	1249.6	1242.1	1231.8	1219.7	1187.8	1171.0	1161.6	1129.8
20°	1279.6	1262.7	1264.6	1233.7	1224.3	1209.4	1191.6	1158.8	1138.2	1122.3	1088.6
22.5°	1267.4	1247.7	1247.7	1214.0	1202.8	1185.0	1163.5	1127.0	1100.8	1080.2	1041.8
25°	1250.5	1230.0	1230.0	1196.3	1179.4	1159.8	1132.6	1089.6	1058.7	1032.5	990.3
27.5°	1230.9	1207.5	1207.5	1170.1	1149.5	1127.0	1094.2	1047.4	1010.9	978.2	932.3
30°	1203.7	1176.6	1172.9	1135.4	1113.0	1083.9	1047.4	995.9	952.9	914.5	867.7
32.5°	1167.2	1140.1	1134.5	1097.0	1070.8	1034.3	992.2	934.2	886.4	842.4	792.8
35°	1132.6	1108.3	1097.0	1053.0	1024.0	981.9	932.3	868.6	817.2	775.0	722.6
37.5°	1098.0	1071.8	1057.7	1009.1	973.5	926.7	865.8	801.3	746.0	704.8	658.0
40°	1049.3	1023.1	1008.1	954.8	912.6	859.3	794.7	729.2	675.8	635.6	591.6
42.5°	992.2	968.8	952.0	896.7	845.2	784.4	724.5	659.9	608.4	571.0	529.8
45°	930.4	905.2	882.7	821.8	772.2	717.0	655.2	593.4	544.8	507.3	464.3
47.5°	864.0	831.2	804.1	751.6	703.0	650.5	593.4	528.9	484.9	446.5	408.1
50°	789.1	751.6	726.4	674.9	631.8	585.0	526.1	464.3	418.4	385.6	347.3
52.5°	709.5	674.9	651.5	609.4	567.2	518.6	460.5	400.6	362.2	325.7	291.1
55°	630.9	599.1	580.3	538.2	498.9	448.4	395.9	340.7	304.2	271.5	236.8
57.5°	559.8	528.9	506.4	470.8	428.7	384.7	336.0	282.7	248.1	215.3	183.5
60°	487.7	455.9	437.1	401.6	364.1	320.1	271.5	228.4	194.7	164.7	132.9
62.5°	418.4	389.4	365.1	335.1	299.5	257.4	217.2	177.8	148.8	117.9	88.9
65°	352.9	320.1	299.5	270.5	237.8	201.2	166.6	130.1	103.9	76.8	52.4
67.5°	284.6	259.3	236.8	207.8	177.8	148.8	120.7	87.1	62.7	42.1	25.3
70°	235.9	202.2	176.0	152.6	124.5	101.1	78.6	51.5	32.8	18.7	12.2
72.5°	183.5	147.0	126.4	103.9	81.4	62.7	43.1	24.3	14.0	10.3	9.4
75°	118.9	106.7	84.2	64.6	46.8	32.8	19.7	10.3	8.4	8.4	7.5
77.5°	66.5	61.8	48.7	34.6	22.5	13.1	8.4	6.6	6.6	5.6	4.7
80°	29.0	28.1	22.5	15.0	8.4	6.6	6.6	4.7	3.7	3.7	2.8
82.5°	6.6	5.6	4.7	5.6	5.6	4.7	3.7	2.8	2.8	1.9	0.9
85°	2.8	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1252.4	1247.7	1253.4	1253.4	1254.3	1243.1	1249.6	1230.0	1230.9	1230.0	1230.0
5°	1245.9	1238.4	1241.2	1240.3	1239.3	1227.1	1231.8	1211.2	1211.2	1209.4	1208.4
7.5°	1230.9	1221.5	1221.5	1217.8	1215.0	1200.0	1203.7	1181.3	1182.2	1178.5	1177.5
10°	1208.4	1195.3	1190.6	1185.0	1177.5	1160.7	1163.5	1139.2	1139.2	1133.5	1131.7
12.5°	1186.0	1170.1	1160.7	1151.3	1140.1	1121.4	1120.4	1094.2	1089.6	1085.8	1083.0
13°	1180.3	1164.4	1155.1	1145.7	1132.6	1113.9	1112.0	1084.9	1081.1	1076.4	1073.6
15°	1157.9	1140.1	1127.9	1117.6	1102.7	1081.1	1076.4	1049.3	1044.6	1038.1	1033.4
17.5°	1118.6	1098.0	1083.0	1070.8	1052.1	1030.6	1023.1	992.2	986.6	976.3	969.7
20°	1074.6	1049.3	1033.4	1013.7	993.1	966.9	956.6	922.0	913.6	900.5	893.0
22.5°	1020.3	995.9	973.5	950.1	925.7	895.8	879.9	843.4	832.1	819.0	808.7
25°	966.9	934.2	907.0	879.9	852.7	820.0	803.1	768.5	756.3	745.1	734.8
27.5°	900.5	866.8	835.9	807.8	776.9	748.8	732.9	703.0	688.0	674.9	665.5
30°	828.4	793.8	761.9	735.7	704.8	679.6	663.7	635.6	621.5	605.6	597.2
32.5°	758.2	720.8	690.8	664.6	638.4	611.2	595.3	568.2	552.3	539.2	527.0
35°	688.9	655.2	626.2	600.0	573.8	547.6	530.7	503.6	488.6	473.6	461.5
37.5°	624.3	592.5	563.5	538.2	510.1	484.9	468.0	441.8	428.7	413.7	399.7
40°	560.7	529.8	500.8	475.5	447.4	423.1	405.3	379.1	363.2	351.0	337.0
42.5°	498.9	466.1	438.1	411.9	385.6	361.3	344.5	319.2	305.1	287.4	276.1
45°	435.3	404.4	376.3	351.0	325.7	299.5	282.7	259.3	246.2	231.2	219.0
47.5°	373.5	346.3	317.3	293.0	264.9	240.6	222.8	204.1	189.1	175.0	163.8
50°	316.4	288.3	260.2	232.1	206.9	185.3	166.6	146.0	135.7	122.6	112.3
52.5°	261.2	231.2	204.1	177.8	152.6	130.1	114.2	98.3	85.2	75.8	67.4
55°	205.0	177.8	150.7	125.4	103.0	84.2	67.4	55.2	45.9	40.2	38.4
57.5°	152.6	126.4	102.0	77.7	57.1	42.1	32.8	29.0	27.1	23.4	22.5
60°	105.8	81.4	59.0	39.3	26.2	22.5	22.5	21.5	20.6	20.6	20.6
62.5°	65.5	44.0	27.1	19.7	19.7	20.6	19.7	17.8	17.8	16.8	15.9
65°	33.7	20.6	15.9	17.8	18.7	16.8	14.0	13.1	13.1	13.1	13.1
67.5°	15.9	14.0	15.9	15.0	13.1	11.2	10.3	10.3	10.3	10.3	10.3
70°	11.2	12.2	12.2	10.3	8.4	8.4	7.5	7.5	7.5	7.5	7.5
72.5°	9.4	9.4	8.4	6.6	6.6	5.6	5.6	4.7	4.7	4.7	4.7
75°	6.6	5.6	4.7	4.7	3.7	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	4.7	3.7	2.8	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9
80°	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1272.1	1272.1	1272.1	1272.1
2.5°	1237.4	1230.0	1230.0	1229.0
5°	1215.9	1209.4	1209.4	1209.4
7.5°	1185.0	1176.6	1176.6	1177.5
10°	1138.2	1132.6	1130.7	1130.7
12.5°	1087.7	1081.1	1080.2	1081.1
13°	1078.3	1071.8	1070.8	1071.8
15°	1036.2	1030.6	1028.7	1029.6
17.5°	969.7	964.1	958.5	962.2
20°	890.2	882.7	876.1	881.8
22.5°	805.9	800.3	796.6	797.5
25°	731.0	724.5	720.8	723.6
27.5°	661.8	655.2	651.5	647.7
30°	591.6	585.0	581.3	578.5
32.5°	520.4	513.9	509.2	510.1
35°	455.9	448.4	444.6	446.5
37.5°	394.1	387.5	381.9	381.9
40°	329.5	323.9	319.2	318.3
42.5°	269.6	264.9	261.2	261.2
45°	211.5	205.9	202.2	204.1
47.5°	156.3	152.6	148.8	148.8
50°	105.8	103.9	102.0	100.2
52.5°	64.6	62.7	60.8	61.8
55°	32.8	31.8	31.8	30.9
57.5°	23.4	22.5	22.5	22.5
60°	20.6	20.6	20.6	20.6
62.5°	16.8	16.8	16.8	16.8
65°	14.0	14.0	14.0	14.0
67.5°	10.3	11.2	11.2	11.2
70°	8.4	8.4	8.4	8.4
72.5°	5.6	5.6	5.6	5.6
75°	2.8	3.7	3.7	3.7
77.5°	1.9	1.9	1.9	1.9
80°	0.9	0.9	0.9	0.9
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

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