

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: STREETWORKS

Report Number: P415359

Luminaire Tested: **LXF.LXT-PA1-50-722-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-722-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4399 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

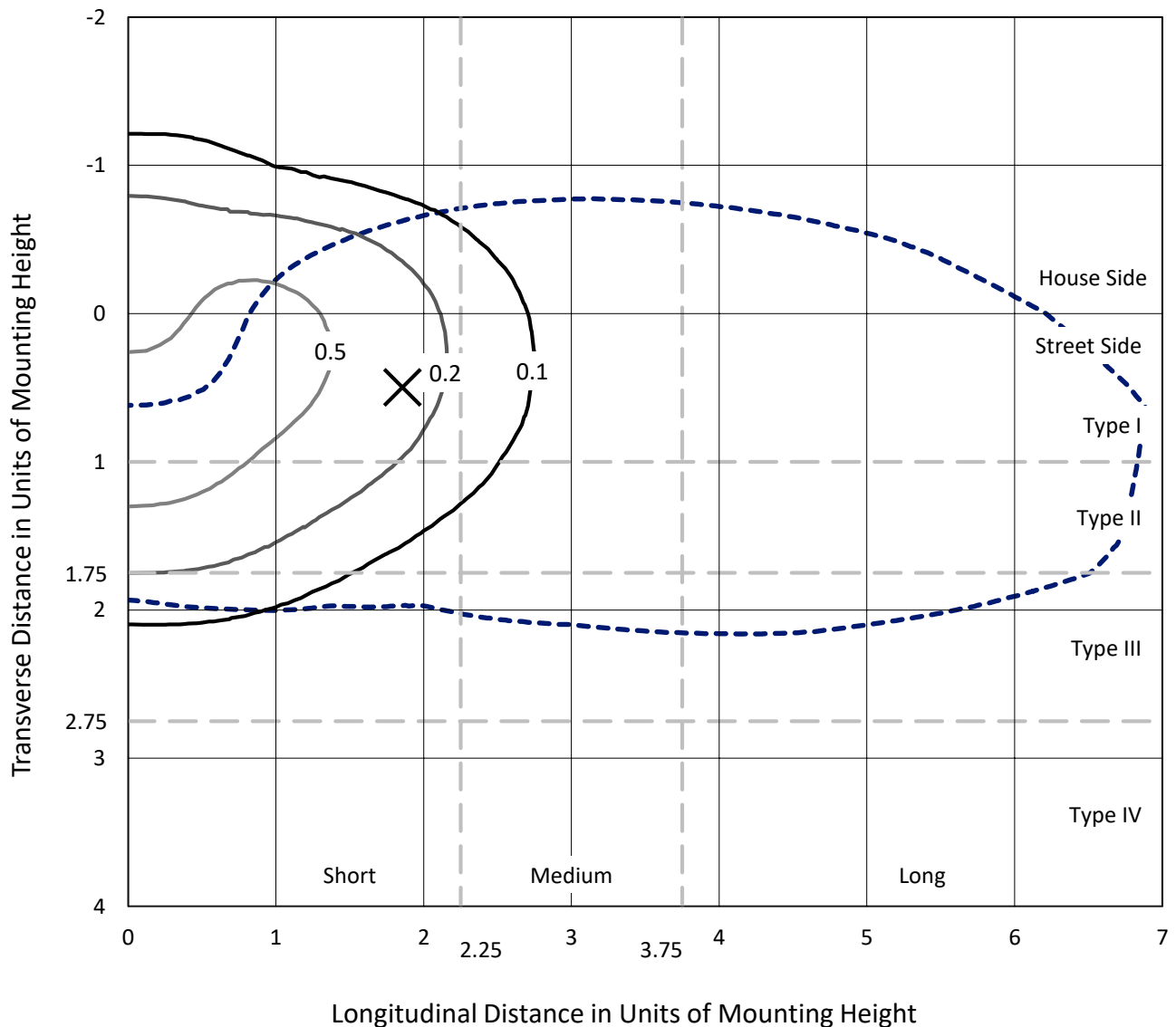
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

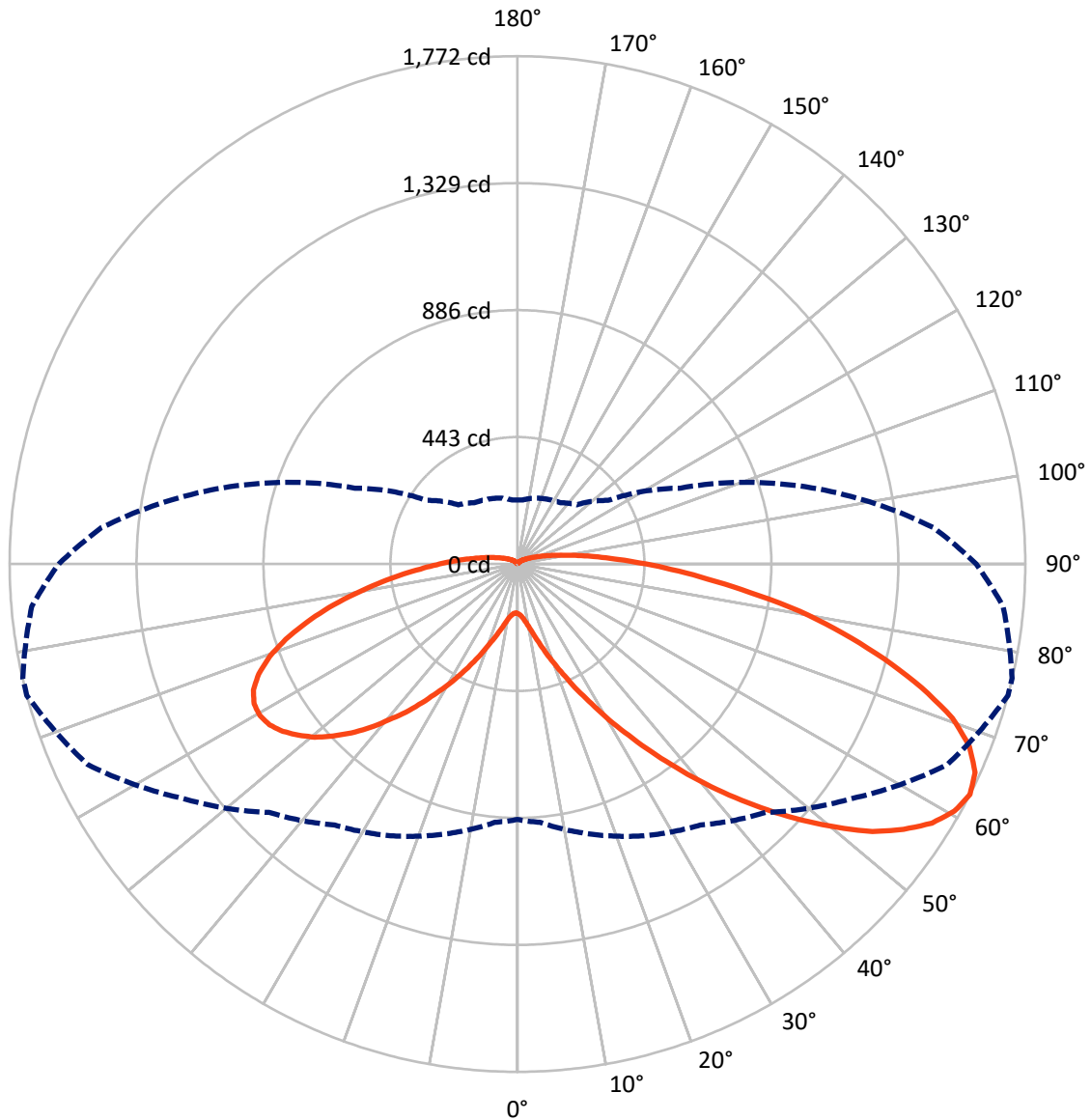


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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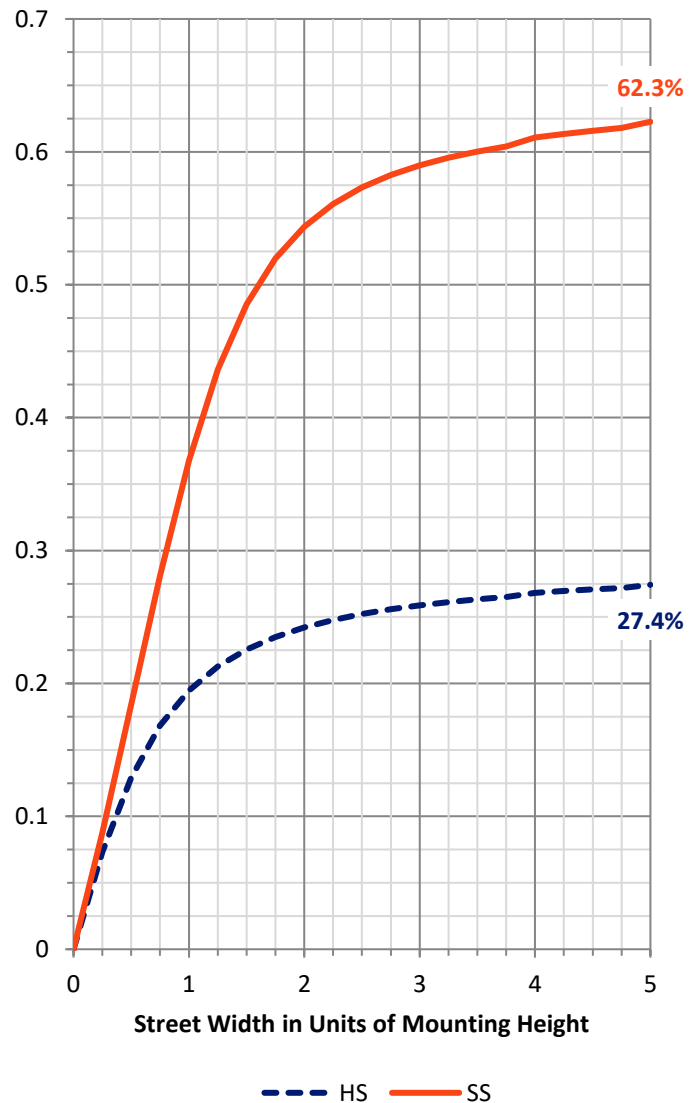
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1258.0	133.8	1391.8
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	2823.6	183.6	3007.2
	% Fixture	64.2	4.2	68.4
Total	Lumens	4081.6	317.4	4399.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.4
10°-20°	76.5	1.7
20°-30°	198.1	4.5
30°-40°	405.3	9.2
40°-50°	672.2	15.3
50°-60°	872.0	19.8
60°-70°	858.8	19.5
70°-80°	631.1	14.3
80°-90°	349.3	7.9
90°-100°	165.0	3.7
100°-110°	78.8	1.8
110°-120°	40.2	0.9
120°-130°	20.8	0.5
130°-140°	9.5	0.2
140°-150°	2.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4081.6	92.8
0°-180°	4399.0	100.0



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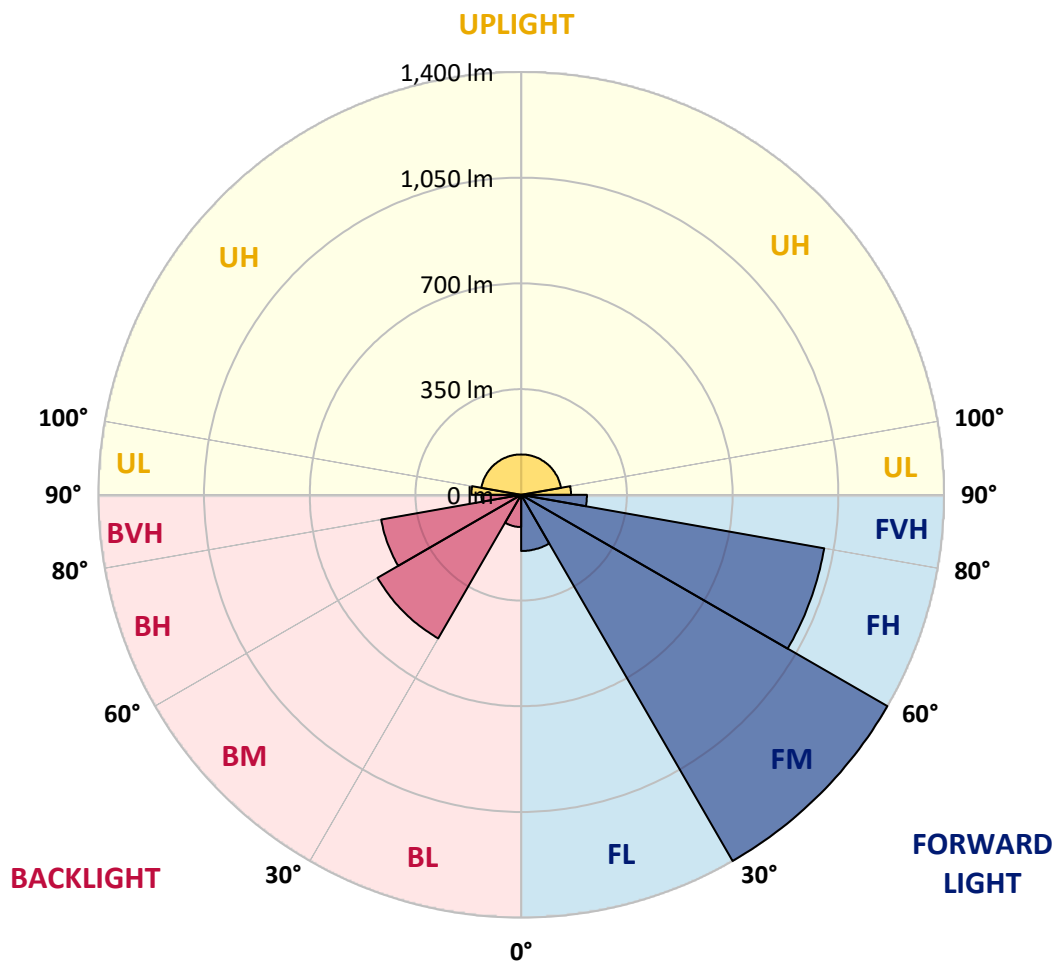
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.1	4.2			
FM	(30°-60°)	1400.4	31.8			
FH	(60°-80°)	1019.4	23.2			G1/1800
FVH	(80°-90°)	217.7	4.9			G2/225
BL	(0°-30°)	106.7	2.4	B0/110		
BM	(30°-60°)	549.1	12.5	B1/1000		
BH	(60°-80°)	470.6	10.7	B1/500		G1/500
BVH	(80°-90°)	131.6	3.0			G2/225
UL	(90°-100°)	165.0	3.7		U3/500	
UH	(100°-180°)	133.8	3.0		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8
2.5°	192.5	191.0	189.9	188.4	187.3	185.3	183.2	180.1	177.5	177.0	174.9
5°	212.8	210.2	210.2	207.6	204.0	201.4	197.2	192.0	187.9	185.3	183.2
7.5°	238.7	236.7	234.1	232.0	228.3	223.7	218.0	211.2	202.9	201.4	196.2
10°	267.8	266.8	264.7	260.5	255.9	249.6	241.8	233.5	224.2	222.6	213.8
12.5°	306.2	306.2	303.1	297.4	290.6	279.2	272.5	263.6	252.7	251.2	238.7
15°	353.4	351.3	347.2	337.3	329.5	320.2	311.9	300.5	286.0	283.4	271.9
17.5°	405.3	401.2	399.1	389.8	379.4	368.0	356.5	344.1	328.0	323.8	310.3
20°	463.4	466.0	458.3	447.9	432.3	420.9	407.9	391.8	374.2	371.1	355.0
22.5°	536.6	534.5	523.6	509.1	494.1	481.6	465.0	448.9	425.0	421.9	403.2
25°	617.6	615.5	601.5	583.3	566.2	543.9	524.7	507.6	487.8	483.2	460.8
27.5°	697.0	707.4	686.1	663.8	643.5	618.6	595.8	574.0	551.7	548.0	524.7
30°	805.4	808.0	783.1	752.5	725.0	693.9	670.0	650.3	631.1	619.1	597.9
32.5°	918.6	910.3	890.6	853.2	809.6	774.8	748.4	730.2	712.0	705.8	674.7
35°	1030.7	1030.7	1000.1	949.7	892.6	857.3	831.4	820.5	803.9	794.0	759.3
37.5°	1140.7	1139.2	1108.0	1048.8	990.2	941.9	925.3	912.9	901.5	891.6	849.0
40°	1249.2	1246.6	1209.2	1151.6	1083.1	1033.3	1019.8	1021.9	1008.4	994.9	952.3
42.5°	1336.4	1335.3	1305.7	1248.1	1166.1	1122.0	1108.5	1121.0	1114.8	1101.8	1052.0
45°	1405.9	1401.2	1377.9	1319.2	1245.0	1198.3	1201.9	1232.0	1224.8	1218.6	1156.8
47.5°	1435.0	1434.4	1421.5	1370.6	1302.1	1269.4	1290.2	1332.2	1334.8	1329.6	1260.6
50°	1427.2	1429.3	1428.2	1397.1	1341.0	1324.4	1364.4	1436.0	1444.3	1439.1	1368.0
52.5°	1381.5	1382.5	1399.7	1386.2	1354.5	1359.2	1430.3	1522.2	1551.2	1537.2	1463.0
55°	1285.0	1298.0	1331.7	1339.5	1335.3	1367.0	1469.7	1590.7	1634.8	1630.1	1545.5
57.5°	1185.3	1179.1	1227.4	1264.7	1286.5	1346.2	1482.7	1639.4	1705.9	1699.6	1619.2
60°	1040.0	1049.4	1108.5	1162.0	1208.2	1296.4	1470.8	1665.4	1752.1	1748.4	1673.2
62.5°	891.6	905.1	975.2	1046.3	1112.2	1225.8	1426.1	1655.5	1772.3	1771.8	1701.7
65°	752.0	766.5	830.9	917.0	1001.1	1130.3	1348.3	1613.5	1755.2	1756.2	1696.5
67.5°	628.0	635.7	703.2	798.2	880.2	1018.2	1248.1	1530.5	1701.2	1706.9	1655.0
70°	517.4	523.1	588.5	673.1	768.1	893.2	1126.7	1424.1	1610.9	1613.0	1580.3
72.5°	424.5	429.7	492.5	567.8	655.5	783.7	1001.6	1278.8	1474.9	1495.7	1465.1
75°	339.4	349.8	403.8	476.9	555.3	669.5	869.3	1122.5	1322.3	1340.0	1335.3
77.5°	276.6	290.6	333.7	396.5	468.6	567.8	736.9	968.4	1160.9	1175.5	1179.1
80°	223.2	233.5	276.6	332.1	393.4	479.5	616.0	817.9	998.5	1000.1	998.5
82.5°	181.1	188.9	227.3	277.7	331.6	403.2	516.4	682.5	818.9	835.5	838.7
85°	147.4	153.1	186.3	231.5	277.1	337.9	426.1	557.4	665.3	682.5	676.7
87.5°	118.3	126.1	152.6	191.0	233.5	281.8	354.5	451.0	537.1	544.4	543.4
90°	97.0	99.6	126.1	158.8	197.2	234.1	289.6	363.3	427.6	440.6	431.8
92.5°	78.4	82.5	104.8	134.4	164.5	196.7	240.3	298.4	338.4	346.2	342.0
95°	65.9	68.0	88.2	112.6	138.6	167.6	198.2	238.2	267.8	270.4	271.4
97.5°	55.0	57.1	73.7	96.0	118.3	141.7	165.0	194.6	214.3	213.8	212.3
100°	47.2	48.3	63.3	83.6	103.3	120.4	138.6	156.7	168.7	172.3	166.6
102.5°	41.0	41.5	54.5	72.1	88.7	103.8	117.3	130.3	134.9	135.5	132.9
105°	36.3	36.8	47.7	62.3	77.3	88.7	99.1	106.9	109.0	109.0	105.9
107.5°	32.2	32.7	41.0	55.0	68.5	77.8	85.1	89.3	88.2	87.7	85.6
110°	29.6	29.6	36.3	48.8	59.7	68.0	73.7	74.2	71.6	71.6	69.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	27.0	27.0	32.2	43.1	52.9	60.2	63.8	62.8	59.2	58.1	58.1
115°	24.9	24.9	28.5	37.9	47.2	52.9	55.5	52.9	48.8	48.3	47.7
117.5°	23.4	23.4	25.9	33.7	41.5	46.7	48.3	45.7	41.0	40.5	40.5
120°	21.8	21.8	23.9	29.6	36.8	41.0	42.0	38.9	34.3	34.3	34.8
122.5°	20.8	20.8	21.8	26.5	32.7	36.3	36.3	33.2	29.1	29.1	29.6
125°	19.7	19.7	20.2	23.4	28.5	31.7	31.1	27.5	24.9	24.9	25.4
127.5°	18.7	18.7	18.7	20.8	24.9	27.5	27.0	23.4	21.3	21.3	22.3
130°	17.6	17.6	17.1	18.2	21.3	23.4	22.3	19.7	18.2	18.2	19.2
132.5°	16.6	16.6	15.6	16.1	18.2	19.2	18.2	16.1	15.6	15.6	16.1
135°	15.6	15.1	14.5	14.0	15.1	15.6	14.5	13.0	13.0	13.0	14.0
137.5°	14.0	14.0	13.0	11.9	11.9	11.9	11.4	9.9	10.4	10.9	11.4
140°	13.0	13.0	11.9	10.4	9.3	9.3	8.3	7.8	8.3	8.8	9.3
142.5°	11.4	11.4	10.4	8.8	7.3	6.2	5.7	5.2	6.2	6.7	6.7
145°	9.9	9.9	8.8	6.7	5.2	3.6	3.1	3.6	4.2	4.7	5.2
147.5°	8.3	7.8	6.7	5.2	2.6	1.6	1.0	2.1	2.6	2.6	3.1
150°	6.2	6.2	5.2	3.6	1.6	0.0	0.5	1.0	1.6	1.6	2.1
152.5°	4.7	4.2	3.6	2.1	0.0	0.0	0.0	0.0	0.5	1.0	1.0
155°	2.6	2.6	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8
2.5°	173.9	172.3	170.2	168.7	167.1	165.0	164.0	162.4	162.4	162.4	163.5
5°	180.1	178.0	173.3	169.2	165.0	161.9	158.8	156.7	155.7	154.7	155.2
7.5°	191.5	188.9	181.6	174.4	168.7	163.0	158.8	155.2	153.6	153.1	153.1
10°	209.1	204.5	193.6	183.7	175.4	167.6	161.9	157.2	155.2	153.6	153.6
12.5°	233.0	226.3	213.3	199.8	187.3	177.0	168.7	165.0	163.5	162.4	163.0
15°	264.7	257.4	237.7	220.0	204.0	189.9	182.2	178.5	176.5	175.4	174.9
17.5°	301.5	291.1	267.3	244.4	224.2	208.6	198.8	193.1	189.4	187.3	187.9
20°	342.0	328.5	297.9	273.0	247.0	231.5	216.4	207.1	202.4	201.4	201.9
22.5°	387.7	373.7	338.4	302.0	275.1	251.7	233.5	221.6	215.9	215.4	215.4
25°	441.6	423.0	381.4	335.8	301.0	271.4	250.1	235.6	229.4	227.3	227.3
27.5°	502.9	478.0	426.6	374.2	326.4	289.1	264.2	247.6	240.8	239.2	239.2
30°	570.4	544.4	479.0	410.5	350.8	304.6	276.6	259.0	250.1	248.1	248.6
32.5°	644.6	610.8	528.3	449.4	372.1	317.1	284.9	267.3	257.4	254.8	254.8
35°	725.0	685.6	587.0	487.3	392.3	327.0	291.1	273.0	262.1	259.5	259.0
37.5°	815.3	766.0	647.7	522.1	408.4	333.2	295.3	276.6	264.7	261.0	260.5
40°	909.8	853.2	703.7	553.7	421.9	336.8	296.3	278.2	265.7	260.0	259.5
42.5°	998.0	935.7	767.6	582.8	430.2	338.4	295.8	277.7	264.7	256.9	256.4
45°	1095.6	1019.3	826.2	609.3	435.4	337.3	293.7	275.1	262.6	252.7	251.7
47.5°	1197.8	1110.1	880.2	628.5	437.5	334.2	291.1	273.0	259.0	248.1	247.0
50°	1290.2	1187.9	930.5	643.5	436.5	329.5	287.0	269.9	255.9	243.4	242.4
52.5°	1380.5	1269.4	970.0	651.8	431.3	324.4	283.4	266.2	252.2	239.2	237.7
55°	1462.5	1333.8	1005.3	655.5	424.5	317.6	278.2	263.1	249.1	235.1	233.5
57.5°	1525.8	1394.5	1031.2	650.8	414.1	309.8	273.0	258.4	245.5	231.5	229.9
60°	1572.5	1434.4	1043.1	642.0	402.2	301.0	266.8	253.8	241.8	228.3	226.8
62.5°	1600.5	1456.8	1040.5	626.4	387.2	292.2	261.0	249.1	238.2	224.7	223.7
65°	1595.8	1447.9	1020.8	601.5	371.1	280.8	252.2	242.9	233.0	220.6	219.0
67.5°	1558.0	1412.1	980.9	570.4	352.9	269.3	243.9	234.6	226.3	215.4	212.3
70°	1490.5	1346.2	923.3	531.4	332.1	256.4	234.1	225.2	218.0	207.6	204.5
72.5°	1376.8	1250.2	850.1	491.0	309.8	241.3	221.1	213.8	206.0	197.7	194.1
75°	1247.1	1129.8	763.9	443.2	286.0	226.3	207.6	200.3	193.1	184.2	181.1
77.5°	1105.9	993.3	674.7	401.2	261.6	209.1	192.5	186.3	179.0	169.7	166.1
80°	937.3	847.5	579.7	352.9	237.2	192.5	177.0	170.2	162.4	153.6	150.0
82.5°	785.2	705.8	492.0	309.3	212.8	175.4	161.9	152.1	144.8	136.0	129.7
85°	642.0	586.4	412.6	265.7	189.9	157.8	144.3	136.0	127.7	117.3	113.1
87.5°	516.4	469.2	338.9	229.4	167.6	140.6	128.2	119.9	110.5	99.6	96.0
90°	408.4	379.4	281.8	197.2	148.4	126.1	113.7	104.8	94.5	84.6	82.5
92.5°	323.8	303.6	233.0	167.6	130.8	111.6	100.2	91.3	81.0	71.1	68.0
95°	260.5	240.8	191.0	146.4	114.7	98.1	88.2	79.9	69.5	59.7	57.6
97.5°	208.1	192.5	156.7	123.0	100.7	87.2	78.4	69.5	59.2	50.3	49.3
100°	163.0	153.6	129.7	105.9	88.7	77.3	69.0	61.2	50.9	42.0	41.5
102.5°	130.3	125.1	107.9	91.3	77.8	68.5	61.8	53.5	44.1	35.8	35.3
105°	104.8	101.7	89.8	78.4	69.0	61.2	55.0	46.7	37.4	30.6	30.6
107.5°	85.1	82.5	75.3	66.9	60.7	55.0	48.3	41.0	32.2	26.5	26.5
110°	69.5	68.5	63.8	58.1	53.5	48.8	42.6	35.3	27.5	23.4	23.4



REPORT NUMBER: P415359

CATALOG NUMBER: LXF.LXT-PA1-50-722-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	58.1	57.6	54.0	50.9	47.2	43.1	37.9	31.1	23.9	20.2	20.8
115°	48.3	48.3	46.2	44.1	41.5	38.4	33.2	26.5	20.2	18.2	18.2
117.5°	41.0	40.5	40.0	38.4	36.8	33.7	28.5	22.8	17.1	16.1	16.6
120°	35.3	35.3	34.3	33.7	32.2	29.1	24.9	19.2	14.5	14.5	14.5
122.5°	30.1	30.6	29.6	29.1	28.0	25.9	21.3	16.1	13.0	12.5	13.0
125°	26.5	26.5	25.9	25.4	24.4	21.8	18.2	13.5	10.9	11.4	11.4
127.5°	22.3	22.8	22.3	21.8	21.3	18.7	15.1	10.9	9.3	9.9	9.9
130°	19.7	19.7	19.2	18.7	17.6	15.6	12.5	8.8	8.3	8.8	8.8
132.5°	16.6	16.6	16.6	15.6	14.5	13.0	9.9	7.3	6.7	7.8	7.8
135°	14.0	14.0	14.0	13.0	11.9	9.9	7.3	5.7	5.7	6.7	6.7
137.5°	11.4	11.9	11.4	10.4	9.3	7.8	5.7	4.2	4.7	5.7	5.7
140°	9.3	9.3	8.8	8.3	6.7	5.2	3.6	3.1	4.2	4.7	4.7
142.5°	7.3	7.3	6.7	5.7	4.7	3.6	2.1	2.1	3.1	3.6	3.6
145°	5.2	5.2	4.7	3.6	2.6	1.6	0.5	1.0	2.1	2.6	2.6
147.5°	3.1	3.1	3.1	2.6	1.6	0.5	0.0	0.5	1.0	1.6	1.6
150°	2.1	2.1	2.1	1.6	1.0	0.0	0.0	0.0	0.5	1.0	1.0
152.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)