

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: P415056

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4240 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

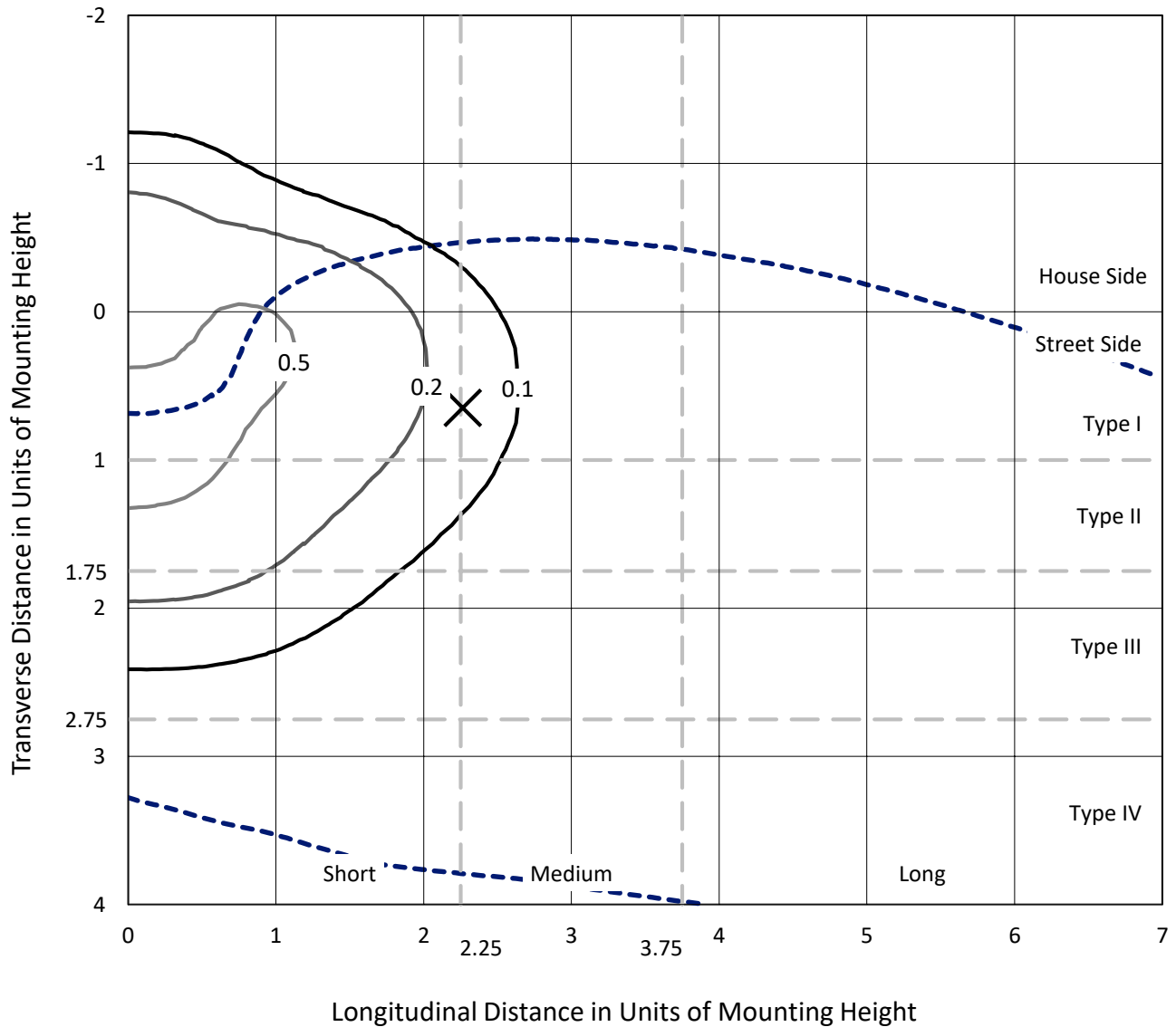
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

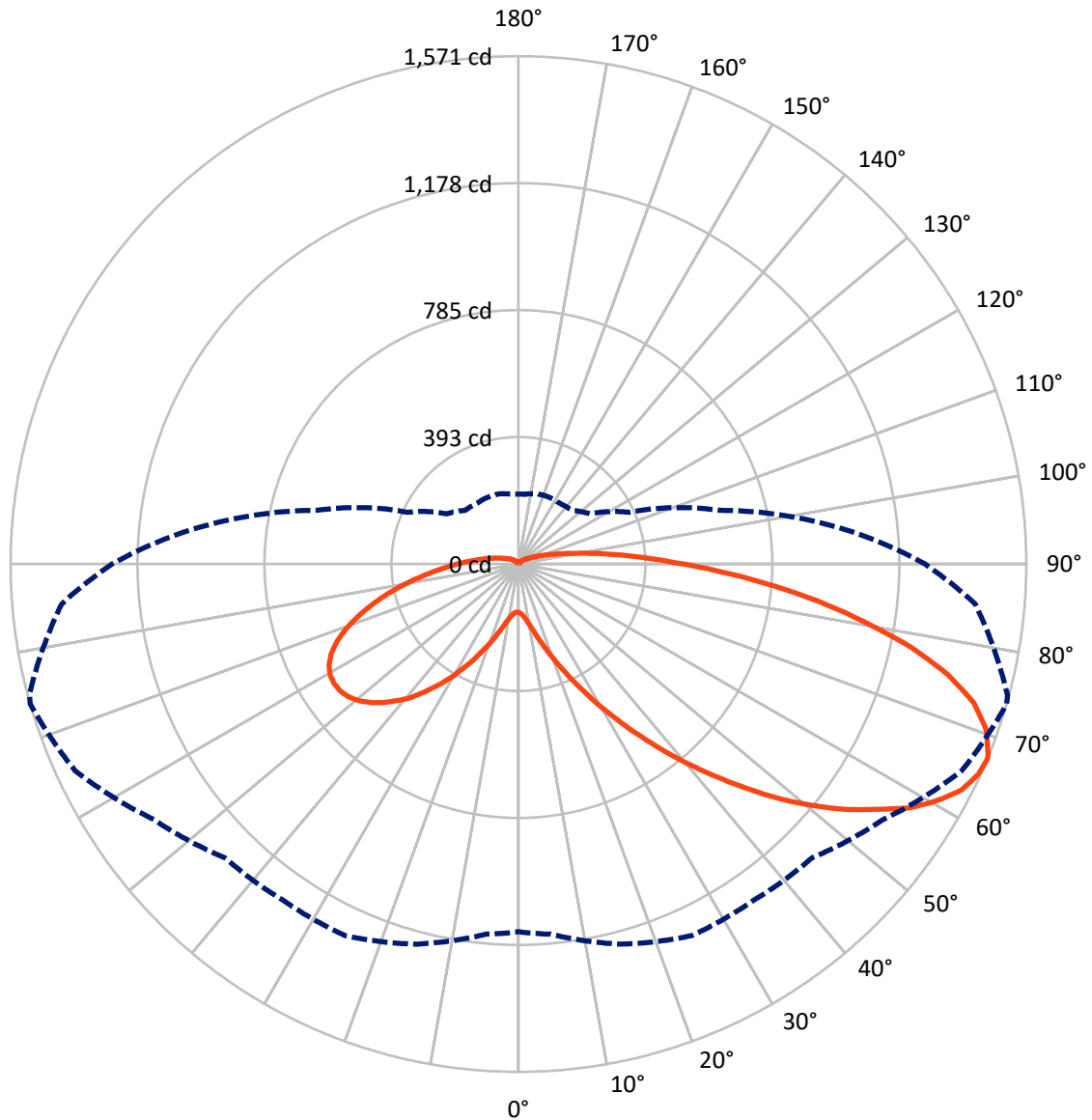
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1022.1	126.4	1148.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	2871.4	220.1	3091.5
	% Fixture	67.7	5.2	72.9
Total	Lumens	3893.5	346.5	4240.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.4
10°-20°	65.1	1.5
20°-30°	164.7	3.9
30°-40°	330.5	7.8
40°-50°	554.7	13.1
50°-60°	778.2	18.4
60°-70°	869.8	20.5
70°-80°	709.6	16.7
80°-90°	405.1	9.6
90°-100°	185.1	4.4
100°-110°	84.7	2.0
110°-120°	41.8	1.0
120°-130°	21.2	0.5
130°-140°	9.9	0.2
140°-150°	3.3	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3893.5	91.8
0°-180°	4240.0	100.0

Coefficient of Utilization



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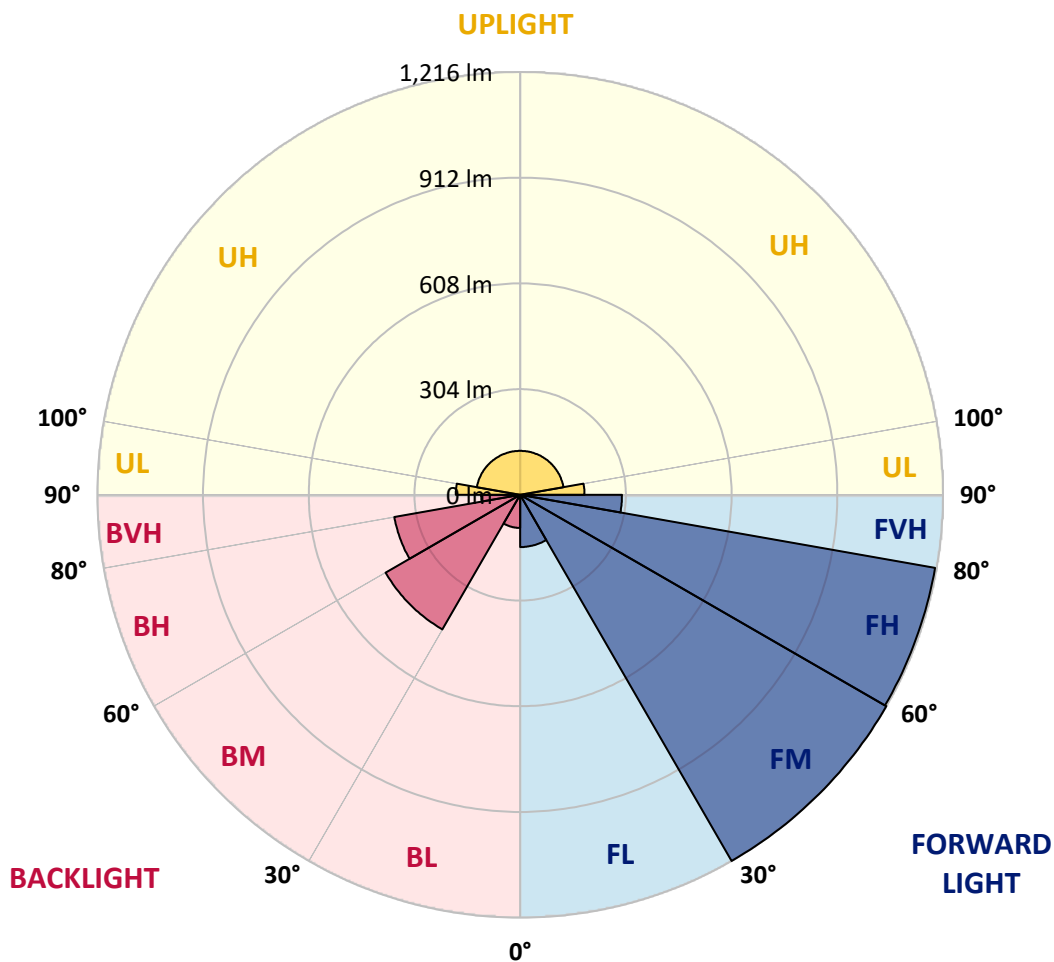
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.3	3.5			
FM	(30°-60°)	1216.3	28.7			
FH	(60°-80°)	1212.0	28.6			G1/1800
FVH	(80°-90°)	292.9	6.9			G3/500
BL	(0°-30°)	95.3	2.2	B0/110		
BM	(30°-60°)	447.1	10.5	B1/1000		
BH	(60°-80°)	367.5	8.7	B1/500		G1/500
BVH	(80°-90°)	112.2	2.6			G2/225
UL	(90°-100°)	185.1	4.4		U3/500	
UH	(100°-180°)	126.4	3.0		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
2.5°	162.5	161.5	161.5	160.5	160.0	158.0	156.5	154.6	153.6	153.1	151.6
5°	177.5	176.0	176.0	175.0	173.0	170.5	167.0	165.0	161.5	162.0	157.5
7.5°	195.4	194.9	193.9	191.9	189.5	186.5	183.0	178.5	174.5	174.5	169.0
10°	219.4	216.4	216.4	213.9	211.4	206.9	201.9	196.9	191.4	191.0	183.5
12.5°	248.3	247.8	244.8	241.3	237.3	232.8	224.9	219.9	214.4	213.9	205.9
15°	282.2	280.7	276.7	275.2	269.2	261.2	254.8	249.8	244.3	242.3	231.8
17.5°	322.1	320.1	318.6	311.1	306.1	299.6	292.2	285.7	276.2	275.2	263.7
20°	368.9	364.5	360.0	354.0	346.0	340.0	332.0	326.1	315.1	315.1	299.6
22.5°	418.3	417.3	413.3	403.3	392.4	386.4	378.9	366.9	358.0	355.5	338.5
25°	478.1	477.1	469.2	458.7	447.2	438.2	426.3	413.3	405.8	405.3	386.4
27.5°	545.9	547.4	533.5	520.0	504.5	490.1	477.1	470.6	460.7	459.2	437.2
30°	627.7	621.2	606.8	587.3	565.9	547.4	534.0	527.5	521.0	520.5	494.1
32.5°	711.0	703.5	691.0	664.1	634.2	605.8	599.3	593.8	586.3	582.3	555.9
35°	803.2	797.2	779.3	743.9	704.0	673.1	659.6	660.6	657.1	655.1	623.2
37.5°	904.9	894.4	870.0	835.6	776.8	743.4	727.9	736.4	734.4	730.4	697.0
40°	1000.6	999.1	973.2	919.9	860.5	813.2	802.7	817.1	814.7	809.7	772.8
42.5°	1111.3	1100.3	1071.4	1011.6	939.8	887.4	876.0	897.4	900.4	901.4	852.0
45°	1206.0	1201.0	1173.6	1104.8	1022.1	965.2	955.8	978.7	988.7	989.7	935.3
47.5°	1298.3	1296.3	1268.4	1197.1	1102.3	1042.0	1029.5	1062.4	1083.4	1078.9	1014.6
50°	1367.6	1371.1	1348.6	1280.8	1182.1	1110.3	1113.3	1153.7	1173.1	1170.6	1099.3
52.5°	1426.9	1421.9	1412.4	1348.1	1245.4	1179.6	1183.1	1231.5	1260.4	1258.9	1179.6
55°	1448.8	1447.3	1448.3	1396.0	1297.3	1236.4	1246.9	1315.2	1339.1	1336.2	1244.9
57.5°	1444.3	1443.3	1458.8	1424.4	1339.1	1281.3	1305.2	1384.0	1423.4	1419.4	1313.7
60°	1410.4	1406.0	1439.4	1426.9	1356.1	1309.2	1351.1	1444.3	1486.7	1485.7	1370.1
62.5°	1334.2	1341.1	1387.5	1399.0	1351.1	1323.7	1378.5	1491.2	1538.6	1535.1	1410.4
65°	1228.0	1245.4	1301.3	1341.1	1317.2	1310.7	1388.5	1512.1	1564.5	1564.0	1424.9
67°	1137.2	1149.2	1217.0	1267.9	1269.3	1284.3	1377.0	1512.6	1570.5	1566.0	1417.9
67.5°	1105.3	1121.3	1190.1	1251.9	1258.4	1276.8	1372.6	1511.7	1566.5	1564.0	1414.4
70°	960.7	979.2	1054.5	1132.2	1172.1	1212.0	1331.7	1483.7	1534.6	1529.1	1374.0
72.5°	814.2	840.1	911.4	1003.6	1061.9	1127.8	1260.9	1413.9	1473.8	1462.3	1295.3
75°	673.6	691.0	760.3	860.0	935.8	1025.1	1164.2	1319.7	1373.5	1364.1	1195.1
77.5°	537.0	552.9	619.7	719.9	805.7	905.9	1051.0	1201.5	1243.4	1237.9	1067.9
80°	423.8	435.2	499.6	588.8	677.1	784.2	921.8	1056.5	1083.9	1087.9	927.8
82.5°	326.1	341.0	396.9	475.6	558.9	661.1	780.8	899.9	930.3	920.4	784.2
85°	249.3	261.7	311.6	378.4	461.7	547.9	654.6	752.3	765.8	754.3	635.7
87.5°	194.9	204.4	243.3	308.1	374.4	448.2	533.5	608.2	615.2	613.2	509.0
90°	151.1	159.5	191.9	243.3	304.1	367.4	434.3	486.6	483.1	486.1	401.3
92.5°	118.7	123.1	152.6	197.9	248.8	299.6	350.5	385.4	384.9	376.4	313.1
95°	96.2	98.7	124.1	162.0	202.9	243.3	281.2	303.6	302.6	293.7	244.3
97.5°	77.8	79.3	101.2	133.1	167.5	198.9	226.3	242.3	234.3	230.8	191.4
100°	63.8	64.8	83.8	111.2	139.6	166.5	186.0	192.4	181.5	179.5	150.6
102.5°	54.3	54.8	70.8	94.2	116.7	137.1	151.6	154.6	141.6	142.6	118.7
105°	46.4	46.9	59.3	80.3	99.2	114.7	125.1	123.6	113.2	111.7	94.7
107.5°	40.4	40.9	50.9	68.8	85.3	98.2	103.7	100.2	90.7	88.7	76.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	35.4	35.9	43.9	58.8	73.3	84.3	87.2	81.8	73.3	71.3	62.8
112.5°	31.9	31.9	38.4	50.9	63.8	72.8	73.8	68.3	58.8	57.8	52.3
115°	28.9	28.9	33.9	43.9	55.3	62.3	62.3	55.8	48.4	47.9	43.9
117.5°	26.4	26.4	29.9	38.4	47.9	53.8	52.8	46.9	40.4	39.9	37.9
120°	24.4	24.4	26.9	33.4	41.4	45.9	44.9	38.9	33.9	33.4	32.4
122.5°	22.4	22.9	24.4	29.4	35.9	39.4	38.4	33.4	28.9	28.4	28.4
125°	20.9	20.9	21.9	25.4	30.9	33.9	32.4	27.4	24.4	24.4	24.4
127.5°	19.4	19.4	19.9	22.4	26.4	28.4	26.9	22.9	21.4	20.9	21.4
130°	17.9	17.9	18.4	19.4	22.4	23.4	21.9	19.4	17.9	17.9	18.4
132.5°	16.5	16.5	16.5	17.0	18.4	19.4	17.9	16.0	15.5	15.5	16.0
135°	15.0	15.5	15.0	15.0	15.5	15.5	14.0	13.0	13.0	13.5	14.0
137.5°	13.5	13.5	13.0	12.5	12.5	12.0	11.0	10.5	11.0	11.0	11.5
140°	12.0	12.0	11.5	10.5	9.5	9.0	8.5	8.0	9.0	9.0	9.5
142.5°	10.5	10.5	9.5	8.5	7.0	6.0	5.5	6.0	7.0	7.0	7.5
145°	8.5	8.5	8.0	7.0	5.0	4.0	3.5	4.5	5.0	5.0	5.5
147.5°	7.0	6.5	6.0	5.0	3.5	2.5	2.0	3.0	3.5	3.5	4.0
150°	5.0	5.0	4.5	3.5	2.0	1.0	1.0	1.5	2.0	2.0	2.5
152.5°	3.5	3.5	3.0	2.0	1.0	0.0	0.5	1.0	1.0	1.0	1.5
155°	2.0	2.0	2.0	1.5	0.5	0.0	0.0	0.5	0.5	0.5	1.0
157.5°	1.0	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	1.0	0.5	0.5	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°	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
2.5°	150.6	149.6	148.6	147.1	146.1	145.1	144.1	143.6	143.6	143.1	143.6
5°	156.1	154.6	151.6	149.1	146.1	144.1	142.1	141.1	140.1	139.6	139.6
7.5°	166.0	164.0	159.0	154.6	150.1	146.6	144.1	141.6	140.6	140.1	140.1
10°	180.5	177.5	170.0	163.5	157.0	152.6	148.1	145.6	144.1	143.1	143.1
12.5°	200.9	195.9	186.5	175.5	167.0	161.0	155.6	153.1	152.6	152.6	152.6
15°	228.3	221.4	206.9	193.9	181.5	171.0	167.0	167.0	166.5	166.0	166.5
17.5°	256.8	248.8	230.8	214.4	198.9	188.5	182.0	180.5	180.0	179.5	180.0
20°	290.7	280.7	259.8	237.3	217.9	207.9	198.9	194.9	194.4	194.9	193.9
22.5°	329.1	318.1	287.2	260.3	238.8	224.9	214.4	208.9	209.9	209.9	209.4
25°	375.4	358.5	322.1	285.7	259.8	240.3	228.3	222.9	223.4	224.4	225.4
27.5°	422.3	402.8	356.5	312.1	278.2	255.8	241.8	235.8	235.3	238.3	237.8
30°	477.1	452.2	394.4	339.0	295.2	266.7	252.3	247.3	246.8	249.3	249.8
32.5°	536.0	505.0	433.8	365.9	310.1	276.2	259.8	256.3	255.3	257.8	258.3
35°	600.3	560.9	472.1	389.4	322.6	282.7	265.7	261.7	260.3	262.7	263.7
37.5°	662.6	616.7	511.5	410.3	332.5	286.7	268.2	265.2	263.2	264.7	265.2
40°	728.4	679.5	551.4	429.3	338.5	288.7	269.2	266.2	264.2	264.2	264.2
42.5°	800.7	737.4	583.8	442.7	342.0	288.2	268.2	264.7	262.2	260.3	260.3
45°	875.0	799.7	617.2	453.7	342.5	285.7	265.7	262.7	258.8	254.8	254.3
47.5°	947.3	856.0	646.6	459.7	341.0	282.2	262.2	258.3	254.8	248.8	248.8
50°	1017.6	912.4	671.1	462.7	336.5	278.2	258.8	254.8	250.3	242.3	241.3
52.5°	1081.9	963.7	689.5	461.7	330.1	272.7	254.3	250.8	245.3	235.8	235.8
55°	1145.2	1011.1	701.0	455.2	322.1	266.7	250.3	246.8	240.8	230.8	229.8
57.5°	1197.1	1045.0	705.5	445.2	313.1	260.3	246.3	242.8	237.3	226.3	226.3
60°	1240.9	1073.4	702.5	432.3	303.1	254.3	241.3	239.3	234.3	223.9	223.9
62.5°	1266.4	1084.9	691.0	415.8	291.7	247.8	236.8	235.8	231.3	221.4	221.4
65°	1271.8	1077.4	667.6	395.4	280.2	240.3	231.8	231.3	228.3	218.9	217.9
67°	1256.9	1058.0	641.7	377.9	270.2	234.3	227.3	227.3	224.9	216.4	215.9
67.5°	1251.4	1050.5	634.7	373.4	268.2	233.3	226.3	226.8	224.4	215.9	214.4
70°	1203.5	1000.1	591.8	348.0	254.3	224.4	219.9	220.4	218.4	211.9	210.4
72.5°	1129.3	927.8	541.4	323.6	240.3	215.4	210.9	212.9	210.9	205.9	202.9
75°	1029.0	839.6	489.1	295.6	226.3	204.4	201.4	202.4	201.9	196.9	194.4
77.5°	910.9	742.4	433.3	269.7	210.9	193.4	190.5	191.9	191.0	186.5	183.5
80°	782.7	639.7	379.4	243.8	194.9	181.0	178.0	178.5	178.0	173.5	169.5
82.5°	657.1	538.9	324.6	218.4	179.5	167.5	164.0	163.5	162.5	157.5	154.6
85°	542.4	442.7	277.2	193.9	163.5	152.6	149.6	147.6	146.1	140.6	138.6
87.5°	432.3	362.0	234.3	173.0	147.6	138.6	134.6	131.1	128.6	123.6	121.6
90°	345.0	291.7	199.9	151.6	133.1	125.1	119.7	115.2	112.2	106.7	103.7
92.5°	273.7	232.3	168.0	133.1	119.2	112.2	107.2	101.7	97.7	90.7	89.2
95°	216.9	187.0	141.6	116.7	105.7	99.7	95.2	89.2	83.8	76.8	75.3
97.5°	171.5	152.6	119.2	102.2	93.2	88.2	83.8	77.8	71.8	64.8	63.8
100°	137.1	122.6	102.2	89.2	83.3	78.3	73.8	68.3	60.8	53.8	53.8
102.5°	110.2	100.7	85.8	78.3	73.3	69.3	65.3	59.8	51.9	44.4	44.4
105°	89.2	83.3	73.8	68.3	64.8	61.8	57.8	51.4	43.4	37.4	37.4
107.5°	73.3	68.8	63.3	59.3	57.3	54.3	50.9	44.4	36.9	31.4	31.4



REPORT NUMBER: P415056

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	60.8	57.8	53.8	52.3	50.9	48.4	44.4	38.4	30.9	26.9	26.9
112.5°	50.9	49.4	46.4	45.9	44.9	42.9	38.9	32.9	25.9	23.4	23.4
115°	43.4	42.4	40.4	40.4	39.4	37.9	33.9	28.4	22.4	19.9	20.4
117.5°	36.9	36.4	35.4	35.4	34.9	33.4	29.4	24.4	18.9	17.9	17.9
120°	32.4	31.9	31.4	30.9	30.9	28.9	25.4	20.4	16.5	16.0	16.0
122.5°	27.9	27.9	27.4	27.4	26.9	24.9	21.9	17.4	14.5	14.0	14.0
125°	24.4	24.4	23.9	23.9	23.4	21.9	18.9	15.0	12.5	12.5	12.5
127.5°	21.4	21.4	20.9	20.9	20.4	18.4	16.0	12.5	11.0	11.0	11.5
130°	18.9	18.9	18.4	17.9	17.4	16.0	13.0	10.5	9.5	10.0	10.0
132.5°	16.5	16.0	16.0	15.5	14.5	13.0	11.0	9.0	8.5	9.0	9.0
135°	14.0	14.0	13.5	13.0	12.0	11.0	9.0	7.5	7.5	8.0	8.0
137.5°	12.0	12.0	11.5	10.5	10.0	8.5	7.0	6.0	6.5	7.0	7.0
140°	9.5	10.0	9.5	8.5	7.5	6.5	5.5	5.0	5.5	6.0	6.5
142.5°	8.0	8.0	7.5	6.5	5.5	4.5	4.0	4.0	5.0	5.5	5.5
145°	6.0	6.0	5.5	5.0	3.5	3.0	2.5	3.5	4.0	4.5	4.5
147.5°	4.0	4.0	4.0	3.0	2.0	1.5	1.5	2.5	3.5	3.5	3.5
150°	2.5	2.5	2.5	2.0	1.0	0.5	1.0	2.0	2.5	3.0	3.0
152.5°	1.5	1.5	1.5	1.0	0.5	0.0	0.5	1.5	2.0	2.0	2.0
155°	1.0	1.0	1.0	0.5	0.5	0.0	0.5	1.0	1.5	1.5	1.5
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5	0.5
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)