

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: P414932

Luminaire Tested: **LXF.LXT-PA1-40-722-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-722-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3400 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

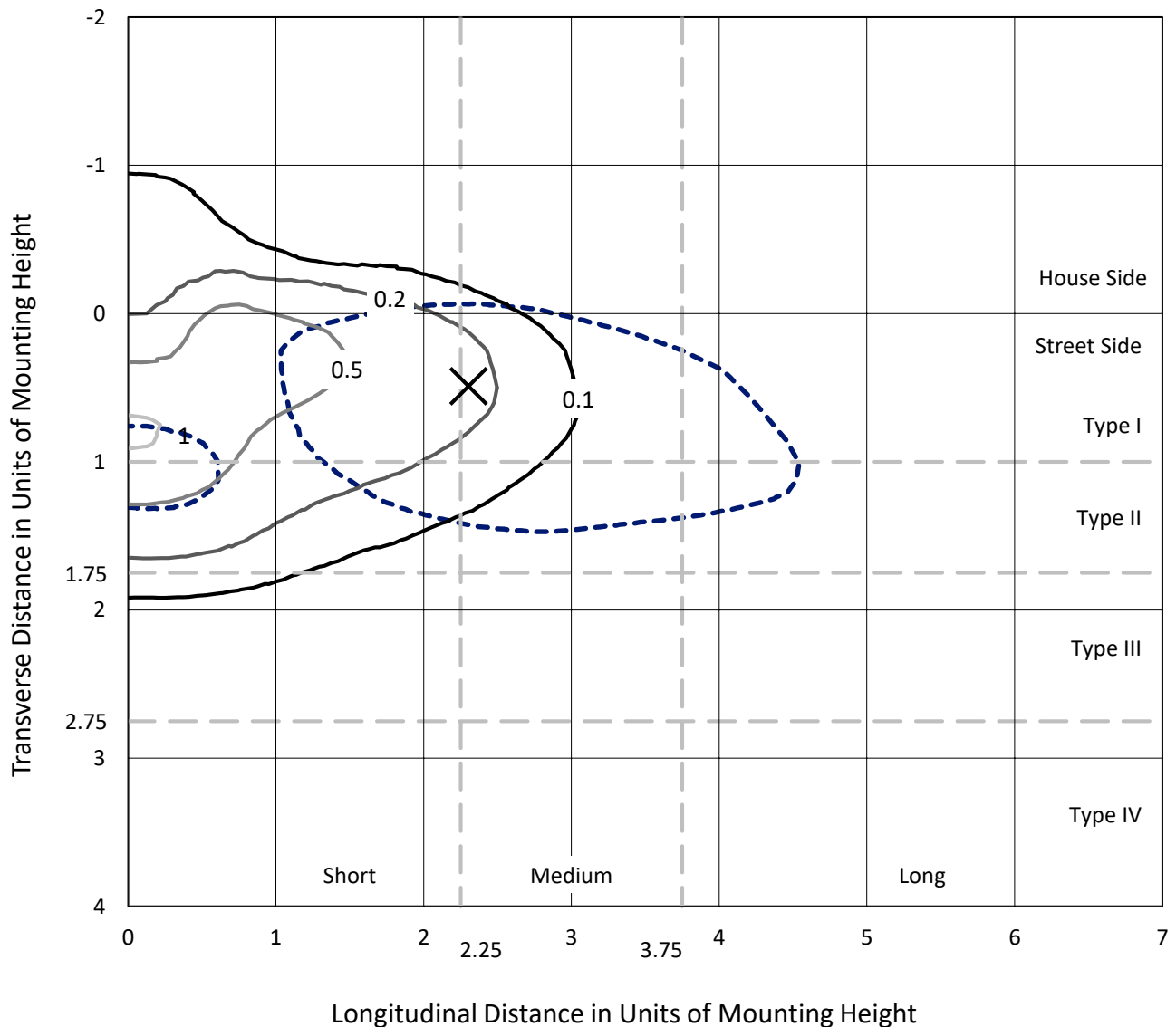
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414932
 CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

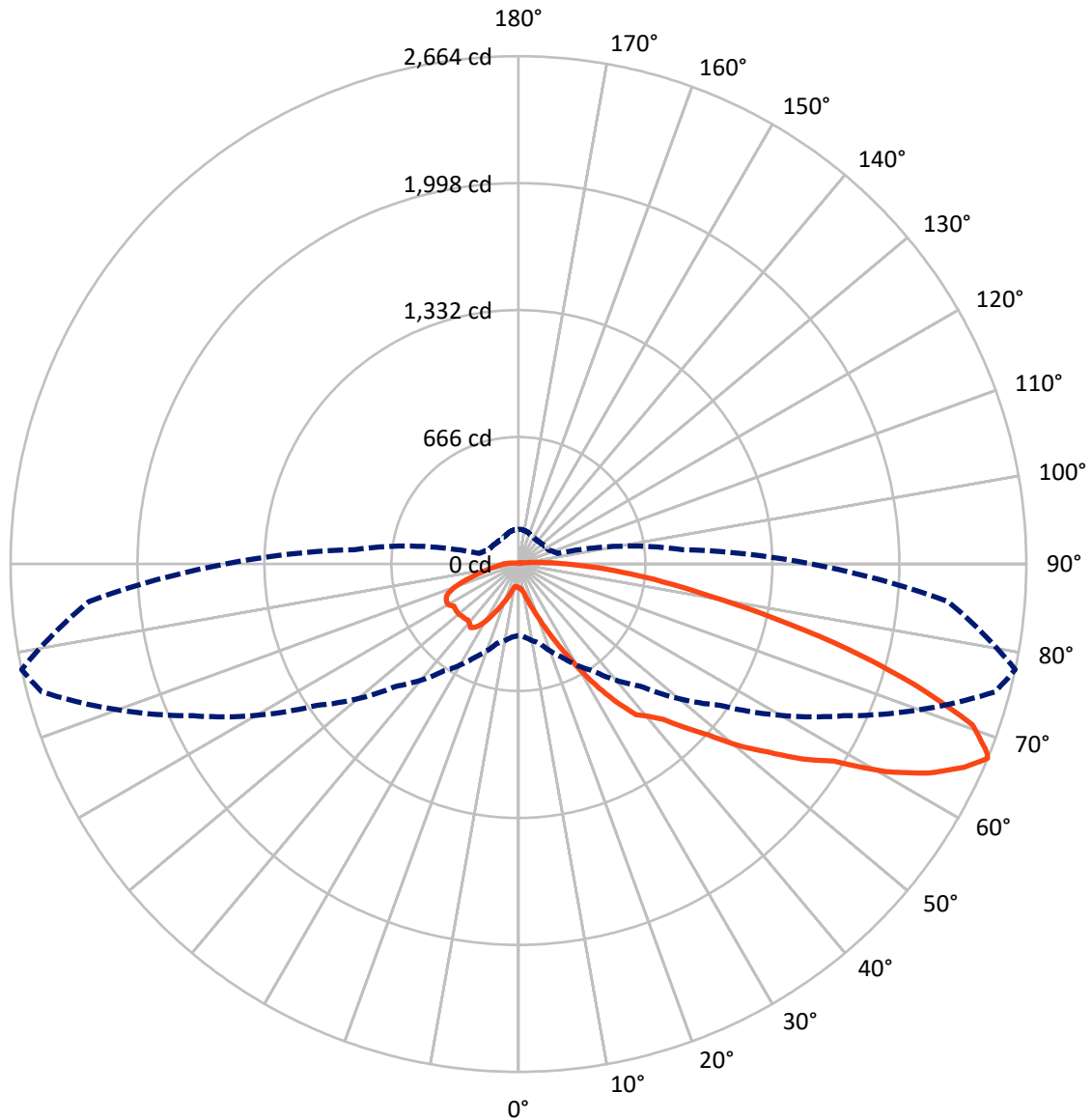
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414932
CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P414932

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	629.0	51.4	680.4
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	2664.8	54.8	2719.6
	% Fixture	78.4	1.6	80.0
Total	Lumens	3293.8	106.2	3400.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.4
10°-20°	52.9	1.6
20°-30°	158.6	4.7
30°-40°	363.1	10.7
40°-50°	580.0	17.1
50°-60°	714.8	21.0
60°-70°	745.0	21.9
70°-80°	483.1	14.2
80°-90°	183.7	5.4
90°-100°	56.7	1.7
100°-110°	21.8	0.6
110°-120°	11.8	0.3
120°-130°	7.8	0.2
130°-140°	5.1	0.2
140°-150°	2.3	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3293.8	96.9
0°-180°	3400.0	100.0



REPORT NUMBER: P414932

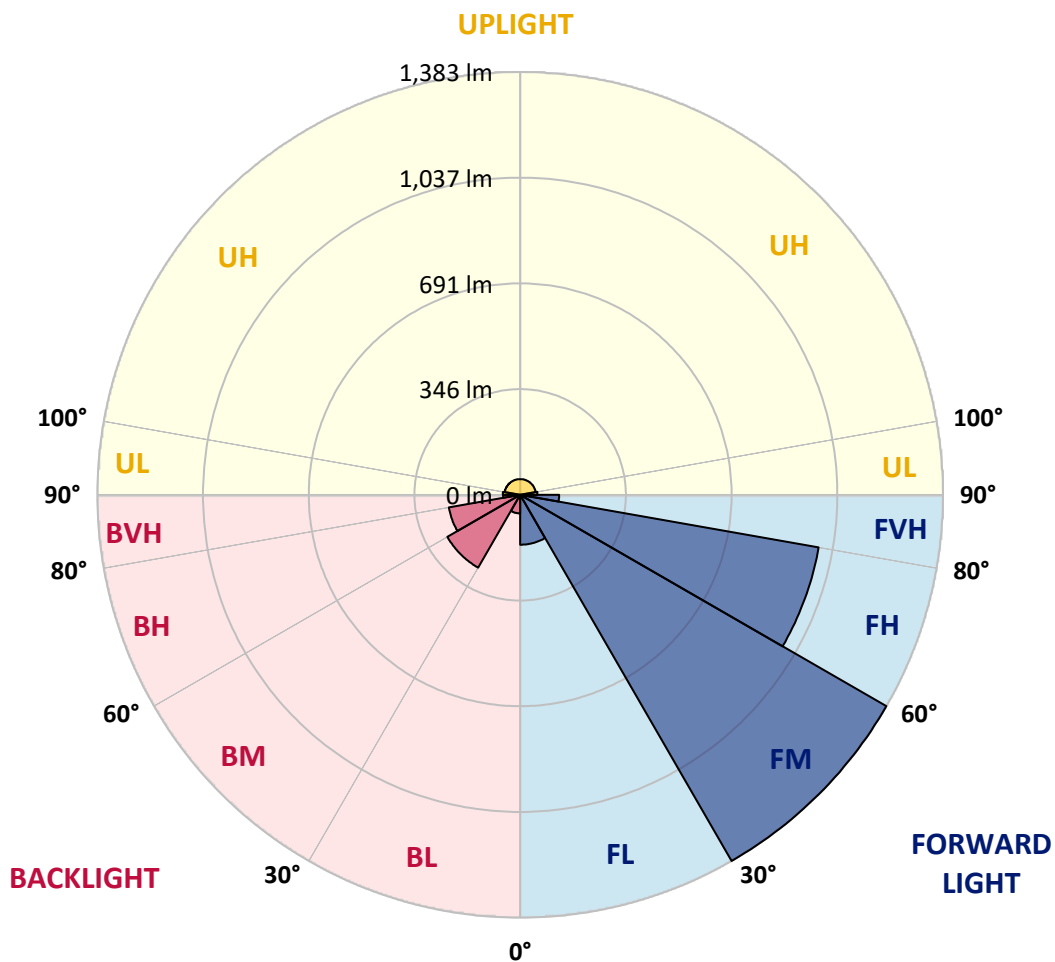
CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.2	4.8			
FM (30°-60°)	1383.0	40.7			
FH (60°-80°)	991.2	29.2			G1/1800
FVH (80°-90°)	127.4	3.7			G2/225
BL (0°-30°)	60.8	1.8	B0/110		
BM (30°-60°)	275.0	8.1	B1/1000		
BH (60°-80°)	237.0	7.0	B1/500		G1/500
BVH (80°-90°)	56.3	1.7			G1/100
UL (90°-100°)	56.7	1.7		U3/500	
UH (100°-180°)	51.4	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P414932

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	140.0	139.6	139.2	138.4	136.8	135.2	132.8	129.6	127.2	126.8	124.4
5°	157.8	156.5	156.5	154.5	151.3	148.1	143.3	137.6	133.2	130.8	127.2
7.5°	179.5	177.1	177.9	174.7	170.2	164.6	157.0	149.3	140.9	138.4	133.2
10°	205.6	204.0	202.4	198.4	193.2	184.3	177.1	165.8	154.5	151.3	143.3
12.5°	237.4	237.8	233.0	228.6	219.7	210.9	202.0	191.2	178.7	175.1	164.6
15°	282.1	281.7	276.5	266.4	255.5	245.9	238.6	227.0	214.9	210.9	195.2
17.5°	334.4	333.2	329.2	311.5	300.6	293.0	282.5	275.3	258.0	253.5	234.2
20°	410.9	403.6	394.4	370.6	354.5	344.9	336.4	327.2	308.7	301.0	278.1
22.5°	495.8	499.4	482.5	445.9	418.9	401.2	392.4	387.5	373.5	368.2	333.6
25°	601.2	601.2	574.7	534.4	499.4	466.4	464.4	470.1	451.1	447.5	410.9
27.5°	712.3	716.7	681.7	638.7	585.6	546.9	544.9	549.7	548.1	537.7	485.3
30°	839.1	835.1	795.6	743.3	672.9	627.4	621.8	656.8	659.6	652.4	595.2
32.5°	986.8	983.6	934.1	853.2	766.2	713.9	717.6	767.1	786.4	773.9	707.1
35°	1166.3	1170.3	1092.6	978.7	864.0	803.7	807.7	869.7	905.9	890.6	815.3
37.5°	1350.6	1351.8	1280.6	1126.4	969.1	883.4	893.0	968.7	1015.4	1002.9	899.5
40°	1467.3	1479.4	1411.0	1264.5	1079.7	963.0	971.1	1045.9	1073.3	1050.0	928.4
42.5°	1569.5	1578.8	1509.2	1351.8	1163.9	1034.3	1031.5	1088.2	1127.6	1113.1	988.0
45°	1619.8	1637.9	1575.2	1412.6	1223.0	1089.8	1068.1	1153.0	1240.7	1222.6	1084.6
47.5°	1583.2	1605.3	1578.8	1444.4	1249.6	1124.8	1129.6	1246.4	1359.8	1339.7	1190.0
50°	1463.7	1490.2	1499.1	1420.6	1256.4	1142.1	1193.6	1350.6	1502.7	1498.7	1319.6
52.5°	1319.6	1333.7	1372.3	1349.0	1231.1	1162.2	1262.9	1451.6	1650.0	1637.5	1427.1
55°	1186.4	1204.9	1236.7	1223.0	1168.3	1164.7	1317.6	1564.3	1806.6	1804.9	1562.3
57.5°	1002.9	1028.6	1095.4	1103.1	1087.0	1149.8	1357.4	1652.8	1945.0	1950.6	1697.9
60°	769.9	791.6	893.0	973.9	988.0	1114.8	1377.6	1750.2	2181.6	2211.0	1934.9
62.5°	624.2	628.2	705.1	806.1	901.9	1050.8	1380.8	1873.4	2388.5	2415.0	2077.0
65°	467.2	466.4	537.3	652.4	785.6	975.9	1370.7	1912.0	2500.8	2568.8	2212.6
67°	375.5	384.3	429.8	539.3	685.0	905.9	1292.6	1883.4	2588.9	2663.8	2262.1
67.5°	361.0	365.4	406.9	510.3	662.0	885.0	1269.7	1876.2	2588.5	2652.1	2247.2
70°	288.1	294.2	324.4	392.8	529.6	747.7	1108.3	1708.0	2435.2	2527.7	2110.8
72.5°	222.5	227.4	248.7	300.6	403.2	602.1	916.8	1469.7	2108.8	2182.0	1789.7
75°	169.4	171.0	191.2	226.6	307.9	459.2	707.9	1157.4	1734.1	1789.7	1454.4
77.5°	131.2	134.8	150.1	173.9	228.6	345.7	532.8	901.5	1379.6	1371.1	1105.9
80°	102.2	105.4	116.7	133.2	171.4	253.9	390.0	666.4	1007.7	1017.8	809.7
82.5°	82.1	84.5	92.2	104.2	132.0	193.2	284.9	498.2	766.2	762.6	593.6
85°	65.6	67.2	72.8	83.3	101.8	146.5	210.5	370.2	540.9	545.3	405.3
87.5°	51.1	53.1	59.6	66.0	80.5	111.5	155.3	256.8	359.8	363.4	278.5
90°	39.8	41.0	46.7	53.5	65.2	84.5	112.3	175.9	231.8	227.4	179.1
92.5°	29.4	30.6	35.8	42.3	50.7	65.2	80.9	112.7	135.6	138.4	111.9
95°	20.9	22.1	26.6	31.4	38.6	49.5	57.5	71.6	83.3	80.9	71.6
97.5°	16.1	16.5	19.7	23.3	29.4	38.2	42.7	49.5	54.7	53.5	49.9
100°	12.9	13.3	15.7	17.7	22.9	30.2	34.2	37.8	41.0	39.8	38.2
102.5°	10.9	11.3	12.9	14.5	18.9	25.4	27.8	30.2	31.4	31.4	30.6
105°	9.3	9.7	10.9	12.5	16.1	20.9	22.5	23.7	25.0	24.5	24.5
107.5°	8.5	8.5	9.7	10.9	14.1	17.7	18.5	18.9	19.3	19.3	20.1



REPORT NUMBER: P414932

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	7.6	8.0	8.9	9.7	12.5	15.7	15.7	15.3	15.3	15.3	16.5
112.5°	7.2	7.6	8.0	9.3	11.7	13.7	13.3	12.5	12.5	12.9	14.1
115°	7.2	7.2	7.6	8.9	10.9	12.5	11.7	10.5	10.5	10.9	12.1
117.5°	7.2	7.2	8.0	8.9	10.5	11.3	10.5	9.3	8.9	9.3	10.5
120°	7.6	7.6	8.0	8.9	9.7	10.5	9.7	8.5	8.0	8.5	9.7
122.5°	8.0	8.0	8.0	8.9	9.3	9.7	8.9	7.6	7.2	7.6	8.9
125°	8.5	8.5	8.5	8.9	9.3	8.9	8.0	7.2	7.2	7.2	8.5
127.5°	9.3	9.3	9.3	9.3	8.9	8.5	7.6	6.8	7.2	7.2	8.0
130°	10.1	10.1	9.7	9.3	8.9	8.0	7.2	6.4	6.8	7.2	8.0
132.5°	10.5	10.1	9.7	8.9	8.5	7.2	6.4	6.0	6.4	6.8	7.6
135°	9.7	9.7	8.9	8.0	7.6	6.4	5.6	5.6	6.0	6.4	6.8
137.5°	8.5	8.5	8.0	7.2	6.8	6.0	5.2	4.8	5.6	6.0	6.4
140°	7.2	7.2	6.8	6.0	5.6	5.2	4.4	4.0	4.8	5.2	5.6
142.5°	6.0	6.0	5.6	4.8	4.8	4.4	3.6	3.6	4.4	4.4	4.8
145°	4.8	4.8	4.8	4.0	4.0	3.6	2.8	3.2	3.6	4.0	4.0
147.5°	4.0	4.0	4.0	3.2	3.2	2.8	2.0	2.4	2.8	3.2	3.2
150°	3.2	3.2	3.2	2.8	2.4	2.0	1.6	2.0	2.0	2.4	2.4
152.5°	2.4	2.4	2.4	2.0	2.0	1.2	1.2	1.6	1.6	2.0	2.0
155°	1.6	1.6	2.0	1.6	1.2	0.8	1.2	1.2	1.6	1.6	1.6
157.5°	1.2	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
160°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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



REPORT NUMBER: P414932

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	123.1	122.3	120.3	118.3	116.3	114.7	112.7	112.3	112.3	111.5	111.5
5°	124.8	122.3	117.5	113.5	109.1	105.4	102.6	101.4	100.2	99.4	98.6
7.5°	128.4	124.4	116.3	109.9	103.4	97.8	93.8	91.8	90.5	89.3	89.7
10°	136.8	130.8	119.1	108.7	99.0	91.4	86.5	84.1	83.3	82.1	82.1
12.5°	154.9	146.9	130.0	112.3	97.4	86.9	81.3	80.5	81.3	82.5	82.5
15°	183.5	171.4	146.9	122.3	101.0	86.1	82.9	85.3	88.1	89.7	89.7
17.5°	218.5	202.0	167.0	134.0	106.2	93.4	89.3	92.6	96.2	98.6	98.6
20°	257.2	235.0	187.5	144.1	113.9	103.4	99.0	101.8	106.6	110.3	109.9
22.5°	307.5	275.3	211.3	152.9	123.1	112.7	109.9	113.5	120.7	125.6	126.0
25°	369.8	325.6	239.0	164.6	131.6	120.7	121.5	128.0	137.6	142.9	142.9
27.5°	436.2	380.3	262.8	176.3	140.5	129.2	133.2	142.1	152.5	158.6	159.4
30°	524.0	450.7	292.6	187.9	148.1	137.6	142.5	152.9	160.6	164.2	164.6
32.5°	613.3	517.5	316.3	200.0	155.3	143.7	148.1	158.2	165.0	169.0	168.6
35°	694.2	571.5	330.4	205.6	161.8	148.1	150.1	161.0	165.0	167.4	167.0
37.5°	756.2	610.1	335.6	206.9	164.2	150.1	150.9	160.2	165.8	170.2	169.4
40°	766.6	604.9	315.9	199.6	163.8	150.1	151.7	162.2	168.2	170.2	169.8
42.5°	805.3	619.4	299.0	186.7	159.0	149.7	153.3	163.0	165.8	164.6	163.4
45°	872.5	649.9	294.2	180.3	152.9	148.5	154.1	161.0	160.6	158.2	157.4
47.5°	938.9	679.3	283.7	177.5	151.3	148.1	153.7	158.6	159.8	157.4	156.5
50°	1023.4	718.4	275.3	173.5	151.7	148.1	152.9	158.6	159.4	155.3	154.9
52.5°	1099.1	745.3	262.8	169.8	152.1	149.3	152.9	158.6	159.0	154.9	154.1
55°	1177.9	773.9	249.9	166.2	153.3	150.5	154.1	159.0	159.4	156.5	155.7
57.5°	1256.8	798.8	235.4	163.4	154.5	152.9	154.9	159.4	162.6	161.8	161.8
60°	1417.8	870.5	233.0	163.8	155.7	154.9	155.7	161.4	167.4	165.4	165.8
62.5°	1481.4	885.8	228.6	169.0	159.4	156.5	157.0	163.0	169.4	172.2	171.8
65°	1539.3	887.0	219.7	172.6	163.8	157.8	157.8	163.4	174.3	180.7	180.7
67°	1536.1	862.8	213.3	173.0	165.8	159.0	157.4	163.4	174.7	181.9	182.3
67.5°	1517.6	847.1	210.9	173.0	166.2	159.0	157.0	163.0	174.7	182.3	182.3
70°	1406.1	764.6	195.2	168.6	165.0	157.0	154.5	159.0	172.2	182.7	182.7
72.5°	1164.7	629.4	173.0	157.8	157.4	151.7	148.1	152.9	165.8	176.7	176.3
75°	941.3	503.1	150.9	141.7	145.7	141.7	138.8	142.5	154.9	165.8	165.0
77.5°	703.5	377.9	130.4	126.4	132.0	129.2	126.8	130.4	142.5	152.9	151.3
80°	520.0	291.4	113.5	111.9	115.9	115.1	114.3	115.9	126.4	133.2	132.0
82.5°	382.7	221.7	97.8	96.6	101.4	101.4	101.4	102.6	110.3	112.7	111.5
85°	272.0	167.0	86.1	82.9	86.9	88.9	90.1	90.5	94.6	95.0	92.2
87.5°	191.6	131.6	77.3	70.4	72.4	76.9	78.9	78.5	80.1	78.9	76.1
90°	133.6	103.4	70.0	60.0	60.0	64.4	67.6	67.2	67.6	64.4	61.6
92.5°	94.2	78.1	59.2	49.5	48.7	53.1	55.9	55.5	55.5	52.3	49.5
95°	63.2	57.5	47.1	39.8	38.6	42.3	45.1	44.3	44.3	41.0	39.8
97.5°	46.7	43.9	38.6	33.8	31.4	33.4	35.4	35.4	35.8	33.8	32.6
100°	36.6	35.4	33.0	29.0	26.6	27.0	28.2	28.2	29.8	28.2	27.4
102.5°	30.6	29.8	27.8	25.0	22.9	22.5	23.3	23.7	25.8	24.5	24.1
105°	25.4	25.0	23.7	21.3	19.7	19.7	19.7	20.1	22.1	21.3	21.3
107.5°	20.5	20.5	20.5	18.5	17.3	17.3	16.9	17.3	18.9	18.9	18.9



REPORT NUMBER: P414932

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.3	17.3	17.7	16.1	15.3	15.3	14.9	15.3	16.9	17.3	17.3
112.5°	14.9	14.9	15.3	14.5	13.7	13.7	13.3	13.3	14.9	16.1	16.1
115°	12.9	13.3	13.3	12.9	12.5	12.1	11.7	12.1	13.7	14.9	14.9
117.5°	11.3	11.7	12.1	11.7	11.3	10.9	10.5	10.9	12.5	14.1	14.1
120°	10.1	10.5	10.9	10.9	10.5	10.1	9.3	10.1	11.3	12.9	13.3
122.5°	9.3	9.7	9.7	9.7	9.7	8.9	8.5	8.9	10.1	11.7	12.1
125°	8.9	8.9	9.3	9.3	8.9	8.0	7.6	8.0	8.9	10.1	10.5
127.5°	8.5	8.5	8.9	8.9	8.0	7.2	6.8	7.2	8.0	8.9	8.9
130°	8.5	8.5	8.5	8.0	7.6	6.8	6.0	6.4	7.2	8.0	8.0
132.5°	8.0	7.6	7.6	7.6	6.8	6.0	5.6	5.6	6.4	7.2	7.2
135°	7.2	7.2	6.8	6.8	6.4	5.2	4.8	4.8	5.6	6.4	6.4
137.5°	6.4	6.4	6.0	6.0	5.6	4.8	4.0	4.4	5.2	5.2	5.6
140°	5.6	5.6	5.2	5.2	4.8	4.0	3.2	3.6	4.4	4.4	4.8
142.5°	4.8	4.8	4.8	4.4	4.0	3.2	2.8	3.2	4.0	4.0	4.0
145°	4.0	4.0	4.0	3.6	3.2	2.4	2.0	2.8	3.6	3.2	3.2
147.5°	3.2	3.2	3.2	3.2	2.4	2.0	1.6	2.4	2.8	2.8	2.8
150°	2.4	2.4	2.4	2.4	2.0	1.2	1.2	2.0	2.4	2.4	2.4
152.5°	2.0	2.0	2.0	2.4	2.0	0.8	0.8	1.6	2.0	2.0	2.0
155°	1.6	1.6	2.0	2.0	1.6	0.8	0.4	1.2	1.6	1.6	1.6
157.5°	1.2	1.2	1.6	1.6	1.2	0.8	0.4	0.8	1.6	1.2	1.2
160°	0.8	1.2	1.2	1.2	1.2	0.8	0.0	0.8	1.2	0.8	0.8
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)