

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: P415250

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3398 lumens
Efficiency: N/A
Efficacy: 84.9 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

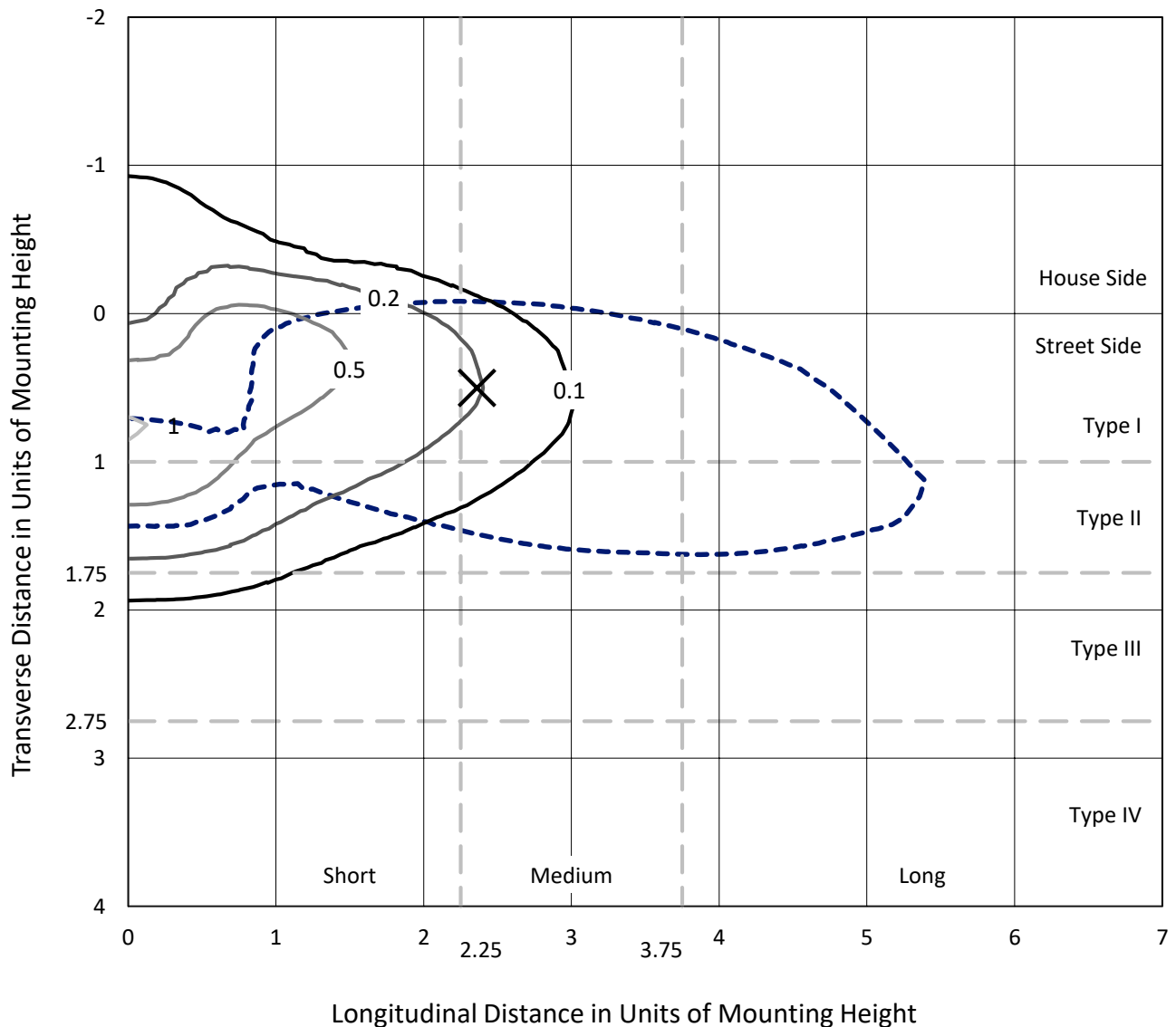


REPORT NUMBER: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

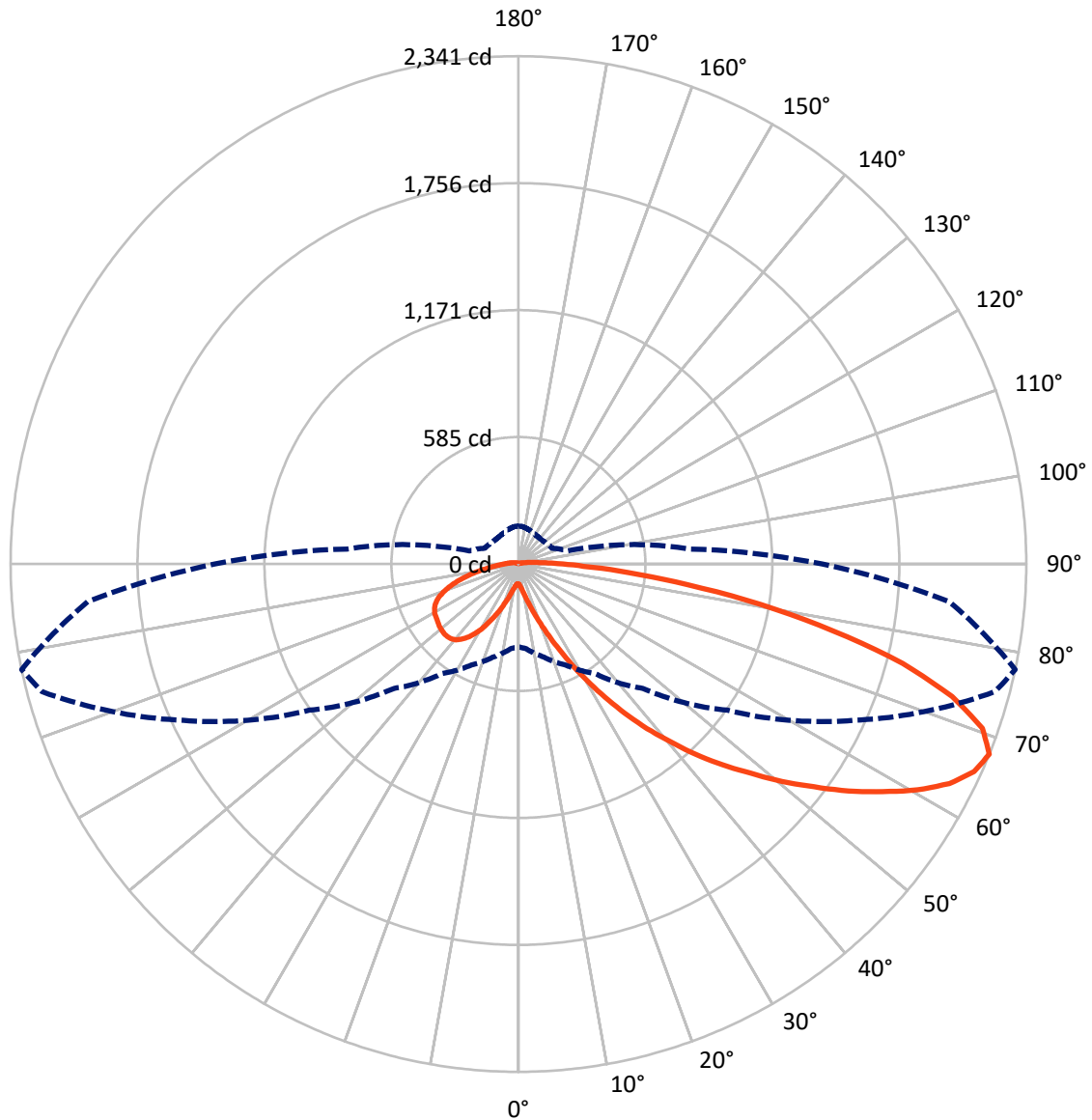


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

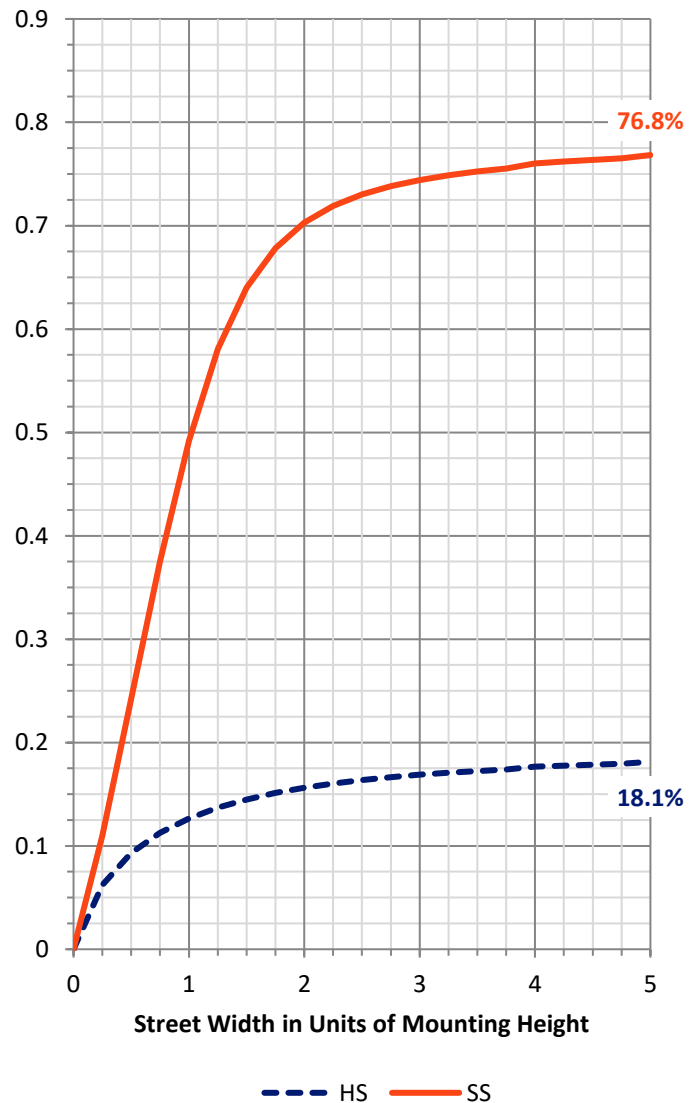
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	645.7	52.4	698.1
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	2646.8	53.1	2699.9
	% Fixture	77.9	1.6	79.5
Total	Lumens	3292.4	105.5	3398.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.3
10°-20°	52.8	1.6
20°-30°	160.9	4.7
30°-40°	359.9	10.6
40°-50°	593.0	17.5
50°-60°	729.8	21.5
60°-70°	707.8	20.8
70°-80°	490.2	14.4
80°-90°	187.7	5.5
90°-100°	53.8	1.6
100°-110°	23.3	0.7
110°-120°	12.6	0.4
120°-130°	7.8	0.2
130°-140°	4.8	0.1
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°	3292.4	96.9
0°-180°	3398.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415250

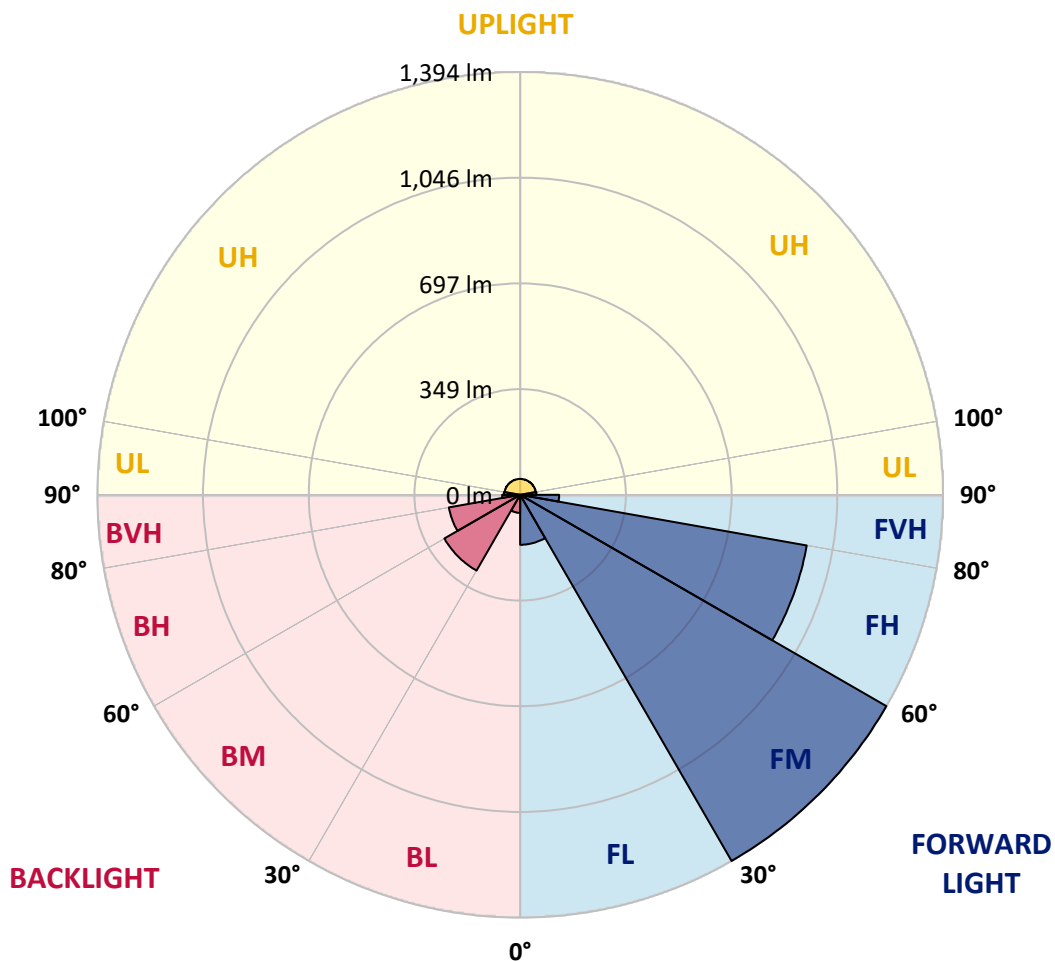
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.7	4.8			
FM (30°-60°)	1394.2	41.0			
FH (60°-80°)	959.4	28.2			G1/1800
FVH (80°-90°)	128.4	3.8			G2/225
BL (0°-30°)	59.5	1.7	B0/110		
BM (30°-60°)	288.4	8.5	B1/1000		
BH (60°-80°)	238.6	7.0	B1/500		G1/500
BVH (80°-90°)	59.2	1.7			G1/100
UL (90°-100°)	53.8	1.6		U3/500	
UH (100°-180°)	52.4	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2.5°	110.3	109.5	109.5	109.1	107.5	105.8	103.4	100.6	98.2	96.6	95.0
5°	134.0	131.2	132.0	129.6	126.8	123.6	119.1	113.1	107.5	106.2	101.8
7.5°	162.6	159.0	160.2	157.4	152.1	145.3	139.2	130.4	121.9	119.1	112.7
10°	198.8	195.2	193.2	189.1	183.1	174.3	165.0	153.3	141.7	137.6	129.6
12.5°	241.9	239.1	236.2	230.6	220.9	209.7	198.0	185.1	169.8	164.6	152.1
15°	295.4	293.0	286.9	279.3	265.2	252.7	235.0	223.4	204.4	198.0	182.7
17.5°	355.4	350.5	344.5	333.2	317.1	301.4	286.5	266.8	246.3	241.1	222.1
20°	429.4	427.8	416.1	397.2	379.5	358.2	343.7	324.4	301.4	294.2	269.2
22.5°	517.1	513.9	500.2	471.7	445.1	417.7	406.1	385.9	369.4	359.4	326.8
25°	622.6	616.5	594.0	559.8	522.0	489.4	470.1	462.8	449.9	434.6	394.8
27.5°	734.9	735.3	704.3	653.6	600.9	561.8	546.9	549.7	534.0	525.6	476.9
30°	873.7	863.6	823.0	760.6	689.4	639.1	630.2	644.3	639.9	623.4	565.8
32.5°	1012.6	1008.9	958.6	873.3	779.9	724.8	718.4	749.0	747.7	731.2	658.0
35°	1151.0	1147.0	1084.6	985.2	874.5	811.3	805.7	845.9	860.4	843.9	761.8
37.5°	1290.2	1281.0	1218.2	1097.5	964.3	890.6	893.0	943.7	977.5	962.6	862.0
40°	1413.0	1411.4	1338.1	1200.9	1050.8	971.1	987.2	1054.0	1095.5	1074.9	963.9
42.5°	1507.2	1500.3	1435.5	1286.6	1128.5	1046.4	1074.1	1162.7	1215.8	1201.7	1064.1
45°	1550.6	1546.6	1494.7	1351.4	1188.8	1111.6	1155.4	1263.3	1335.7	1320.4	1167.1
47.5°	1539.0	1535.3	1507.2	1383.2	1228.7	1167.5	1227.1	1361.1	1461.7	1441.2	1269.7
50°	1468.9	1472.5	1463.7	1373.9	1242.8	1203.3	1295.1	1458.9	1584.8	1575.2	1368.7
52.5°	1340.9	1351.4	1365.5	1325.7	1229.9	1219.4	1344.2	1543.8	1707.2	1706.8	1478.6
55°	1174.7	1182.0	1231.1	1223.8	1180.8	1219.0	1380.4	1627.5	1844.8	1846.8	1592.1
57.5°	998.5	994.8	1060.0	1097.9	1109.1	1188.0	1398.1	1701.5	1966.3	1980.4	1712.0
60°	805.7	819.0	880.1	957.4	999.7	1126.8	1392.1	1753.9	2083.5	2114.4	1821.1
62.5°	654.8	648.7	716.0	800.1	885.8	1039.1	1348.2	1778.4	2194.9	2229.5	1921.7
65°	494.6	507.1	567.9	642.3	744.1	928.4	1277.4	1765.5	2263.8	2308.0	1984.9
67.5°	381.5	391.2	443.1	513.1	616.9	810.9	1175.1	1705.6	2274.2	2341.4	1993.7
70°	295.0	302.6	339.3	398.8	497.8	681.3	1031.5	1591.3	2217.1	2269.4	1912.4
72.5°	235.0	238.2	264.0	312.3	393.2	555.8	875.3	1411.8	2044.4	2091.1	1745.8
75°	184.7	189.6	210.5	246.7	307.1	444.3	715.5	1192.8	1781.6	1829.9	1516.0
77.5°	146.9	151.7	167.4	192.8	238.2	342.5	559.0	971.9	1454.4	1484.2	1207.7
80°	116.7	119.1	132.4	151.3	185.1	264.0	421.0	737.7	1101.5	1132.5	897.5
82.5°	88.5	90.6	103.8	120.3	144.5	200.0	304.2	518.8	775.9	784.4	609.3
85°	63.6	67.2	78.1	91.8	110.7	148.9	218.1	352.1	495.0	507.9	385.9
87.5°	45.1	46.7	57.5	70.4	84.5	110.3	151.7	231.8	304.7	301.0	234.2
90°	30.6	31.8	41.5	51.9	64.4	82.5	105.8	145.7	187.1	181.1	146.9
92.5°	20.5	22.5	30.6	39.4	50.3	63.6	75.3	95.4	115.9	110.3	93.4
95°	15.3	16.1	23.3	31.4	40.2	48.7	55.9	65.2	74.0	72.4	64.4
97.5°	12.1	12.9	18.9	25.8	32.6	39.4	43.5	46.7	51.5	51.1	46.3
100°	10.5	10.9	16.1	22.1	28.2	33.0	35.4	36.2	37.8	37.0	35.4
102.5°	8.9	9.7	14.1	19.3	24.5	28.2	29.8	29.0	28.6	27.8	26.2
105°	8.0	8.5	12.5	17.3	21.7	24.5	25.0	23.7	21.7	21.3	20.5
107.5°	7.6	8.0	11.3	15.7	19.3	21.7	21.3	19.7	17.3	16.5	16.1
110°	7.2	7.6	10.5	14.1	17.7	19.3	18.9	16.5	13.7	12.9	13.3



REPORT NUMBER: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	7.2	7.2	9.7	12.9	16.1	17.3	16.5	14.1	11.3	10.9	11.3
115°	6.8	7.2	9.3	12.1	14.5	15.7	14.5	12.1	9.7	9.3	9.7
117.5°	6.8	7.2	8.9	11.3	13.7	14.1	12.9	10.5	8.0	8.0	8.9
120°	6.8	7.2	8.5	10.5	12.5	12.9	11.7	9.3	7.2	7.2	8.0
122.5°	7.2	7.2	8.0	10.1	11.7	12.1	10.5	8.0	6.8	6.8	7.6
125°	7.2	7.2	8.0	9.3	10.9	10.9	9.7	7.2	6.0	6.0	7.2
127.5°	7.2	7.2	8.0	8.9	10.1	10.1	8.9	6.8	5.6	5.6	6.8
130°	7.2	7.6	7.6	8.5	9.3	9.3	8.0	6.0	5.6	5.6	6.4
132.5°	7.6	7.6	7.6	8.0	8.9	8.5	6.8	5.6	5.2	5.2	6.0
135°	7.2	7.2	7.2	7.6	8.0	7.6	6.0	4.8	4.8	5.2	5.6
137.5°	7.2	7.2	7.2	6.8	7.2	6.8	5.6	4.4	4.4	4.8	5.2
140°	6.4	6.8	6.4	6.4	6.4	6.0	4.8	3.6	4.0	4.4	4.4
142.5°	6.0	6.0	6.0	5.6	5.6	5.2	4.0	3.2	3.6	3.6	4.0
145°	5.6	5.6	5.2	4.8	4.8	4.0	3.2	2.8	3.2	3.2	3.6
147.5°	4.8	4.8	4.8	4.0	3.6	3.2	2.0	2.0	2.4	2.8	2.8
150°	4.0	4.0	4.0	3.6	2.8	2.4	1.6	2.0	2.0	2.0	2.4
152.5°	3.2	3.2	3.2	2.8	2.4	1.6	1.2	1.6	1.6	1.6	2.0
155°	2.0	2.0	2.0	2.0	1.6	0.8	1.2	1.2	1.6	1.6	1.6
157.5°	1.2	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
160°	0.4	0.4	0.8	0.8	1.2	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: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2.5°	93.8	92.6	90.6	88.5	86.5	84.5	82.9	82.5	81.3	81.3	80.9
5°	99.4	97.4	92.2	88.1	83.7	80.1	77.3	76.1	74.9	74.0	74.0
7.5°	109.5	105.0	97.4	90.6	84.5	79.3	75.7	73.6	72.0	71.2	71.2
10°	123.1	117.5	105.8	95.8	86.9	80.5	76.5	74.0	72.8	72.0	71.6
12.5°	143.3	135.2	118.3	103.8	92.6	84.5	79.3	77.7	78.1	78.1	78.1
15°	170.6	159.0	136.0	116.3	100.2	89.7	86.1	86.1	87.3	87.7	86.9
17.5°	206.1	190.4	158.2	128.8	109.9	99.0	95.0	95.0	97.0	98.2	98.2
20°	249.5	227.0	181.5	145.3	121.1	109.5	104.6	105.0	107.5	109.1	109.1
22.5°	299.4	272.9	211.3	162.2	133.6	118.7	113.5	113.9	117.9	119.9	120.7
25°	364.2	323.2	241.1	179.5	145.3	127.6	122.3	122.7	128.0	130.8	130.8
27.5°	432.6	379.1	271.2	196.4	155.3	135.6	130.4	131.6	137.2	139.6	140.5
30°	505.5	438.7	301.4	210.9	163.4	141.7	136.4	138.8	144.1	147.7	148.1
32.5°	586.4	497.0	325.6	222.6	170.2	146.9	141.7	145.3	149.7	153.7	154.1
35°	670.9	555.0	346.9	230.6	174.7	151.3	145.7	149.3	153.7	157.4	157.0
37.5°	746.5	602.5	361.0	233.8	177.1	153.7	148.5	152.1	156.1	159.0	159.0
40°	821.0	652.0	367.8	231.4	177.1	154.9	149.7	153.7	157.4	159.0	159.0
42.5°	891.8	688.6	366.6	226.6	176.3	155.3	150.5	154.1	157.4	158.2	158.2
45°	953.0	722.4	359.4	218.5	173.5	154.9	150.9	154.1	156.6	156.6	157.0
47.5°	1025.4	749.0	348.9	210.1	170.2	154.1	150.1	153.7	155.7	155.7	155.3
50°	1090.6	774.7	334.8	200.8	167.4	153.3	149.7	153.3	155.7	154.9	154.9
52.5°	1159.8	797.6	320.3	192.4	164.6	152.9	149.7	153.3	155.7	155.3	155.7
55°	1223.8	820.6	302.2	184.7	163.0	152.5	150.1	153.7	157.0	157.0	156.6
57.5°	1305.9	832.7	288.2	179.5	161.4	152.5	150.5	154.5	158.6	159.0	159.4
60°	1363.9	848.4	276.5	176.3	161.4	153.3	151.7	155.7	161.0	163.0	164.2
62.5°	1406.1	847.5	262.4	174.7	161.8	154.1	152.9	157.0	163.8	166.6	168.2
65°	1428.3	833.1	247.9	173.5	162.2	154.9	153.7	157.8	165.8	171.0	172.6
67.5°	1399.3	794.0	233.0	171.4	161.8	154.5	154.1	158.6	167.0	173.9	174.7
70°	1328.9	728.0	215.3	167.0	160.2	153.3	152.9	156.6	165.8	173.9	174.7
72.5°	1195.3	644.3	194.8	160.6	156.6	150.5	149.3	152.9	161.8	169.8	169.8
75°	1016.6	547.3	174.7	151.3	149.3	145.7	144.5	146.5	154.1	161.8	162.2
77.5°	796.0	435.8	153.3	138.4	140.5	137.6	136.4	137.6	144.5	149.7	150.1
80°	605.7	332.0	132.8	123.1	128.0	127.2	126.0	125.6	130.4	134.4	133.2
82.5°	417.7	236.2	109.9	107.1	112.3	113.5	113.1	110.3	113.9	117.1	115.1
85°	269.6	167.0	91.8	90.6	95.4	97.4	97.0	95.0	95.8	99.4	95.4
87.5°	174.3	119.9	75.7	74.9	78.9	81.3	81.3	77.3	78.9	82.5	78.1
90°	109.1	84.9	63.2	62.8	65.6	66.8	65.2	62.8	63.6	65.6	64.0
92.5°	77.3	64.0	52.7	52.7	53.5	54.3	53.5	50.7	52.3	52.3	52.3
95°	56.3	50.7	45.9	45.1	44.7	44.3	43.9	41.9	43.5	43.1	41.9
97.5°	43.1	40.6	39.0	38.6	37.8	37.4	37.0	35.4	36.6	35.8	35.0
100°	33.8	33.4	33.4	33.4	32.6	31.4	31.4	31.0	31.0	29.8	29.8
102.5°	27.0	27.0	28.6	29.0	28.2	27.4	27.4	27.0	26.6	25.0	24.5
105°	21.3	22.1	24.5	25.0	24.5	23.7	23.3	23.3	22.5	20.5	20.5
107.5°	17.3	18.1	20.9	21.7	21.3	20.9	20.5	20.1	19.3	17.3	17.3
110°	14.1	15.3	17.7	18.9	18.5	18.1	18.1	17.3	16.5	14.9	14.9



REPORT NUMBER: P415250

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.1	13.3	15.3	16.5	16.5	16.1	15.7	15.3	14.1	12.9	12.9
115°	10.5	11.7	13.7	14.5	14.5	14.1	13.7	13.3	12.1	11.3	11.7
117.5°	9.7	10.5	12.1	12.9	12.9	12.5	12.1	11.7	10.9	10.5	10.5
120°	8.9	9.7	10.9	11.7	11.7	11.3	10.9	10.5	9.7	9.7	9.7
122.5°	8.0	8.9	10.1	10.5	10.5	10.1	9.7	9.3	8.5	8.9	8.9
125°	7.6	8.0	8.9	9.7	9.7	9.3	8.9	8.0	7.6	8.0	8.0
127.5°	7.2	7.6	8.5	8.9	8.9	8.5	7.6	7.2	6.8	7.2	7.2
130°	6.8	7.2	7.6	8.0	8.0	7.2	6.8	6.4	6.4	6.8	6.8
132.5°	6.4	6.8	6.8	7.2	7.2	6.8	6.0	5.6	5.6	6.0	6.0
135°	6.0	6.0	6.4	6.4	6.4	6.0	5.2	4.8	5.2	5.6	5.6
137.5°	5.2	5.6	5.6	6.0	5.6	5.2	4.4	4.4	4.8	4.8	4.8
140°	4.8	4.8	5.2	5.2	4.8	4.4	4.0	3.6	4.0	4.4	4.4
142.5°	4.4	4.4	4.4	4.4	4.4	3.6	3.2	3.2	3.6	3.6	3.6
145°	3.6	3.6	4.0	3.6	3.6	2.8	2.4	2.8	3.2	3.2	3.2
147.5°	2.8	3.2	3.2	3.2	2.8	2.0	1.6	2.4	2.8	2.8	2.8
150°	2.4	2.4	2.4	2.4	2.4	1.6	1.2	2.0	2.4	2.4	2.4
152.5°	2.0	2.0	2.4	2.4	2.0	1.2	0.8	1.6	2.0	2.0	1.6
155°	1.6	1.6	2.0	2.0	1.6	0.8	0.8	1.2	1.6	1.6	1.2
157.5°	1.2	1.6	1.6	1.6	1.2	0.8	0.4	0.8	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.6	1.2	0.8	0.4	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)