

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: P415155

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4730 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): 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

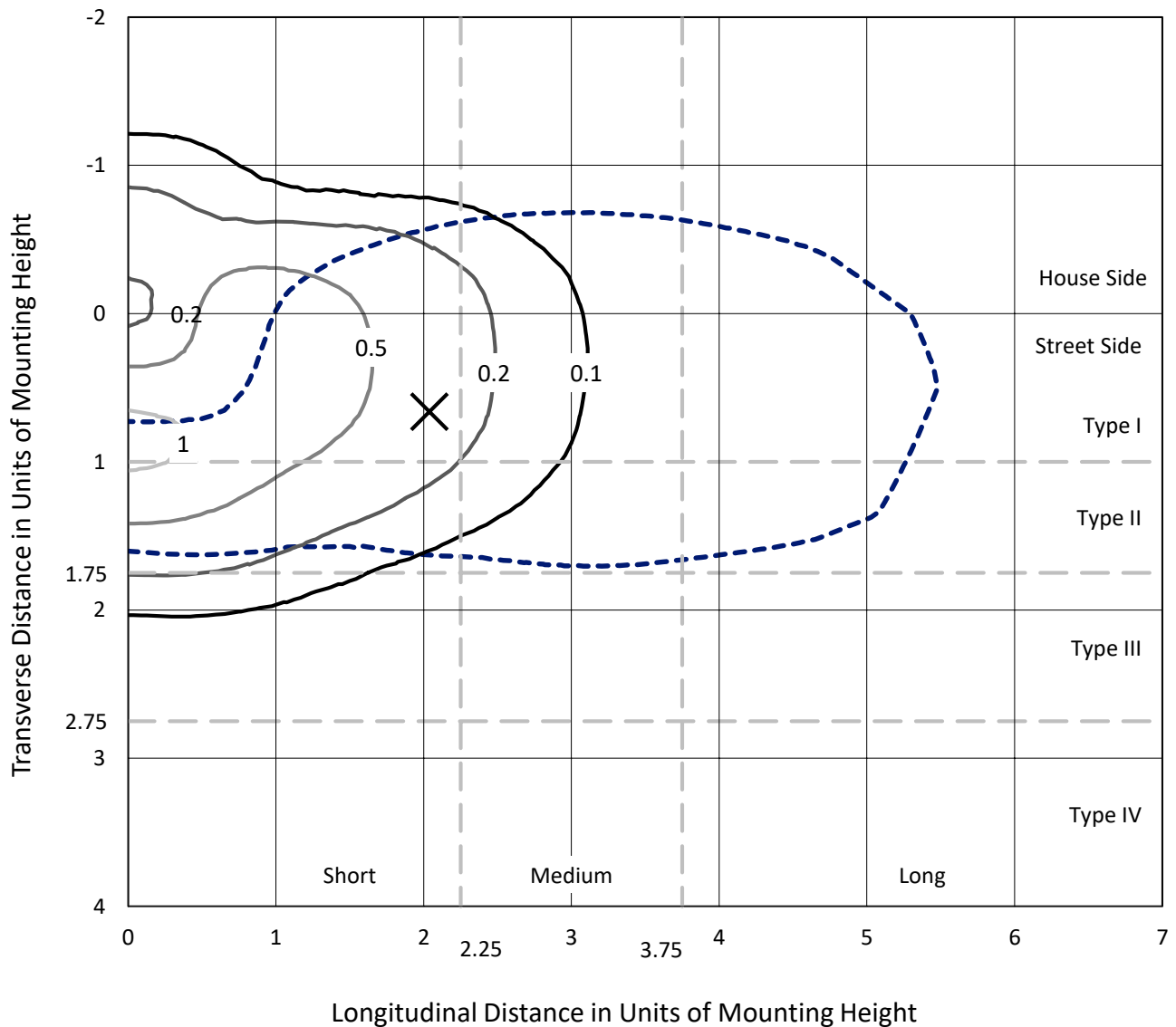


REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

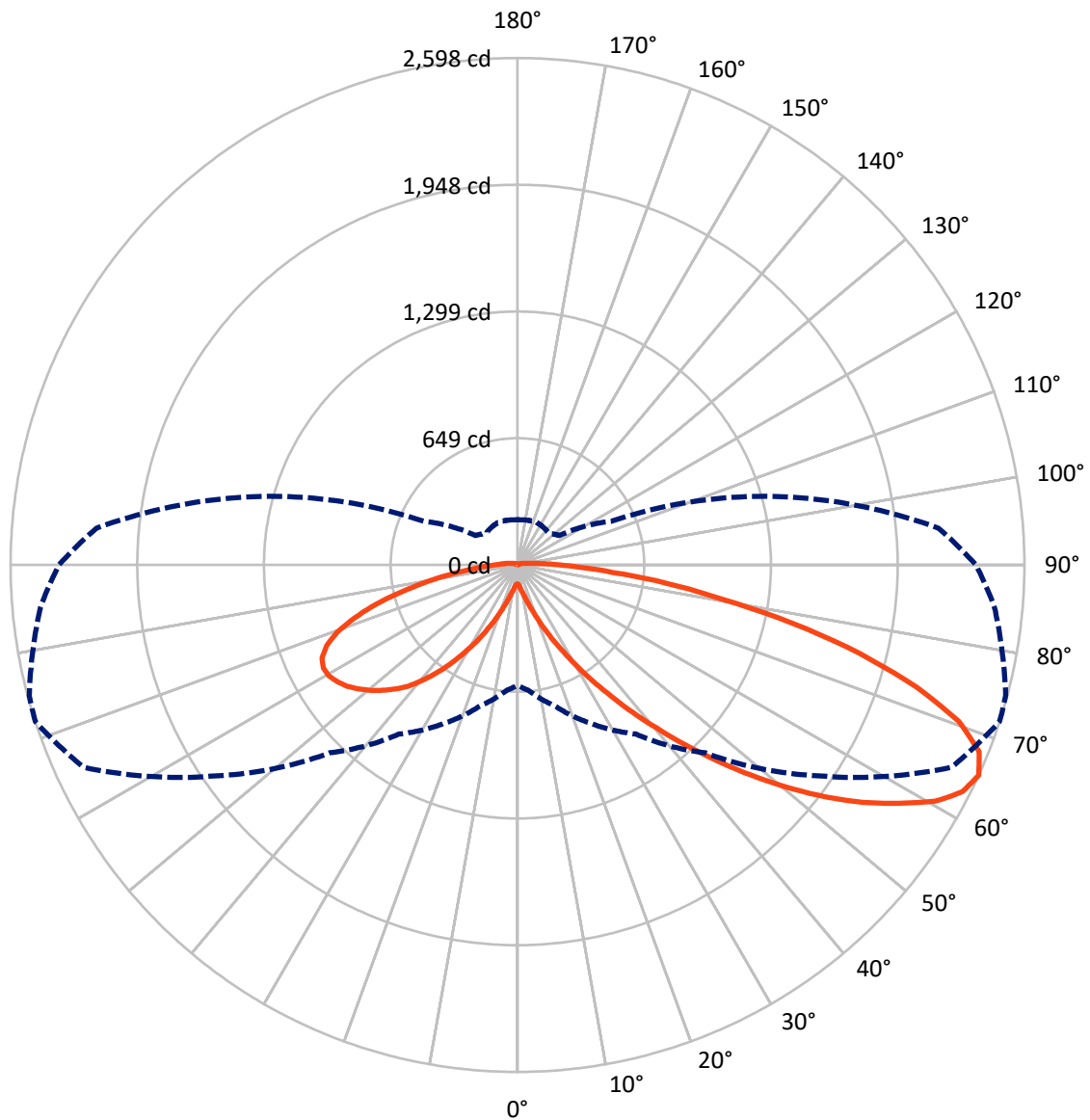


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

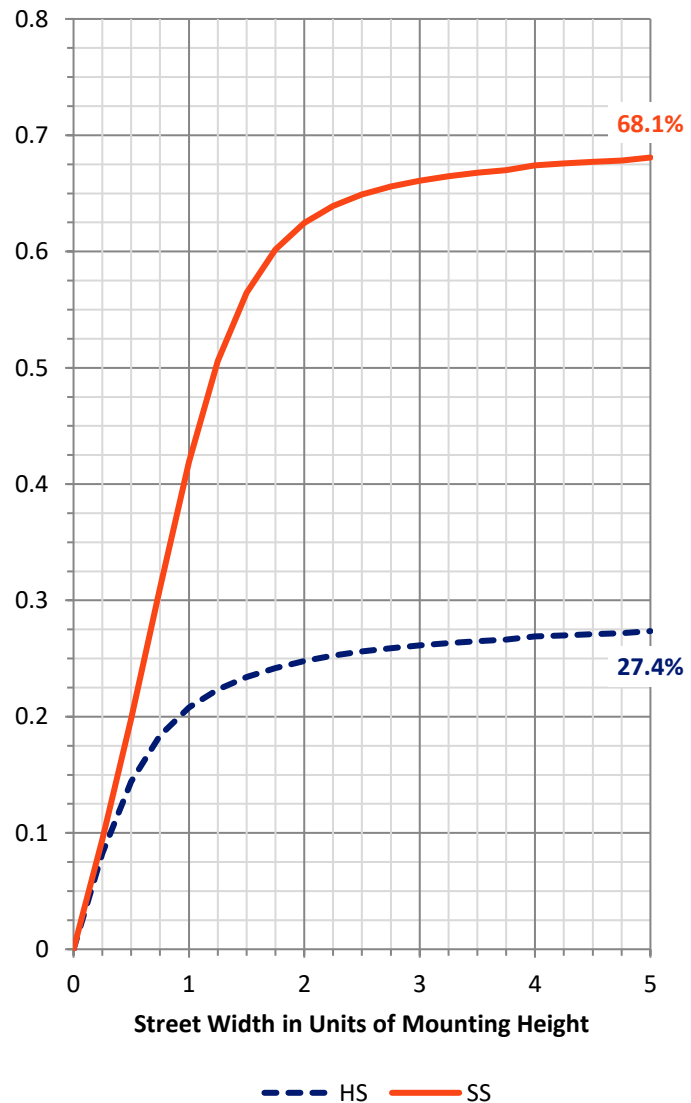
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1333.6	67.1	1400.7
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	3263.9	65.4	3329.3
	% Fixture	69.0	1.4	70.4
Total	Lumens	4597.5	132.5	4730.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.2
10°-20°	57.2	1.2
20°-30°	181.2	3.8
30°-40°	434.3	9.2
40°-50°	801.9	17.0
50°-60°	1092.7	23.1
60°-70°	1065.4	22.5
70°-80°	695.7	14.7
80°-90°	257.7	5.4
90°-100°	71.6	1.5
100°-110°	30.0	0.6
110°-120°	15.1	0.3
120°-130°	8.6	0.2
130°-140°	4.8	0.1
140°-150°	2.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4597.5	97.2
0°-180°	4730.0	100.0



REPORT NUMBER: P415155

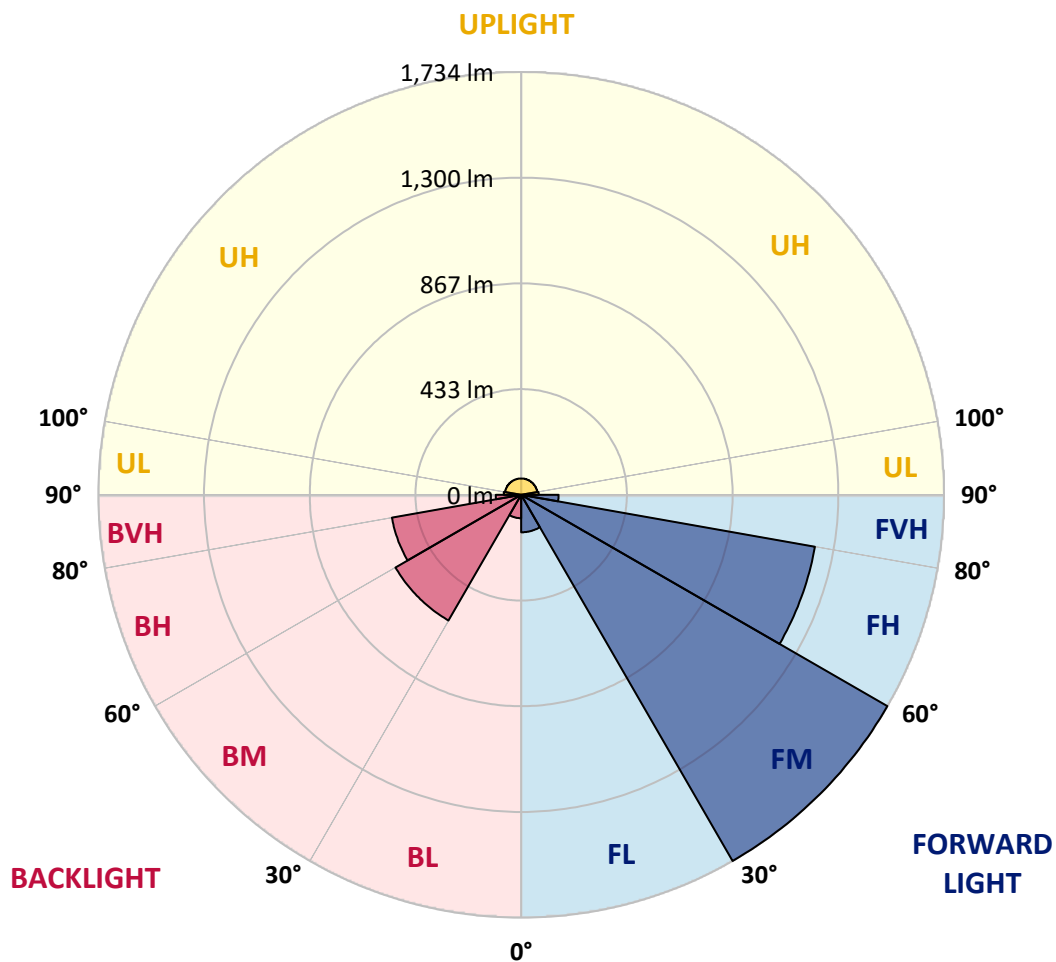
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.7	3.2			
FM (30°-60°)	1733.7	36.7			
FH (60°-80°)	1223.0	25.9			G1/1800
FVH (80°-90°)	153.4	3.2			G2/225
BL (0°-30°)	96.0	2.0	B0/110		
BM (30°-60°)	595.2	12.6	B1/1000		
BH (60°-80°)	538.1	11.4	B2/1000		G2/1000
BVH (80°-90°)	104.3	2.2			G2/225
UL (90°-100°)	71.6	1.5		U3/500	
UH (100°-180°)	67.1	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	108.9	108.4	107.3	106.8	106.8	105.7	104.6	102.9	101.8	101.3	100.2
5°	123.2	122.1	121.0	119.9	118.8	117.2	114.4	112.8	110.6	110.0	107.8
7.5°	143.4	142.3	139.1	138.0	136.3	134.1	130.8	127.6	125.4	123.7	120.4
10°	170.3	169.2	167.0	164.2	161.0	156.6	151.1	147.8	142.3	143.4	138.5
12.5°	206.9	204.2	201.5	197.1	190.5	185.6	177.9	174.6	168.6	168.6	162.6
15°	251.3	250.7	245.3	236.0	229.9	219.5	213.0	205.8	202.0	202.0	197.1
17.5°	308.8	304.9	300.6	288.0	274.3	261.7	252.9	248.0	243.6	242.5	236.0
20°	379.9	374.5	367.9	345.4	329.0	313.7	301.1	297.3	294.0	293.4	288.0
22.5°	470.3	458.8	446.7	424.8	398.5	371.7	363.0	354.2	354.7	355.8	343.3
25°	570.4	567.2	545.8	514.6	480.1	450.6	426.5	423.2	426.5	424.3	419.3
27.5°	699.1	688.1	661.3	621.4	566.6	532.1	506.4	504.2	504.8	507.5	499.3
30°	849.1	843.6	809.7	742.9	672.3	626.3	598.4	594.5	601.1	601.7	589.1
32.5°	1025.9	1015.0	963.0	888.5	792.2	733.6	701.8	700.7	707.9	709.5	699.6
35°	1204.9	1199.5	1148.0	1041.3	935.6	846.9	814.6	816.8	821.7	831.6	820.1
37.5°	1411.3	1396.6	1330.3	1217.5	1084.0	977.8	943.3	950.9	958.6	958.6	942.7
40°	1606.2	1600.8	1531.2	1389.4	1229.6	1131.0	1093.3	1097.6	1097.1	1097.6	1076.8
42.5°	1786.9	1768.3	1707.0	1556.4	1391.6	1291.4	1246.0	1253.1	1259.7	1264.6	1212.1
45°	1909.0	1893.1	1838.9	1690.5	1544.9	1450.2	1420.6	1420.6	1428.3	1426.1	1374.1
47.5°	1952.2	1950.0	1909.5	1796.7	1663.2	1589.8	1591.4	1597.5	1609.0	1598.6	1524.1
50°	1932.0	1923.2	1916.1	1853.1	1761.2	1726.1	1759.0	1789.6	1790.7	1772.1	1677.4
52.5°	1805.0	1806.0	1842.2	1830.7	1788.5	1824.1	1924.3	1978.5	1973.6	1955.5	1841.6
55°	1611.7	1620.5	1683.4	1731.6	1757.3	1855.9	2046.9	2159.2	2148.2	2123.0	2007.5
57.5°	1354.4	1382.9	1467.2	1572.3	1664.3	1826.3	2113.7	2315.7	2304.2	2304.2	2172.8
60°	1080.7	1103.7	1227.9	1356.0	1501.1	1726.7	2120.3	2430.7	2458.6	2441.1	2290.0
62.5°	838.2	848.0	976.7	1138.2	1293.6	1559.1	2044.7	2485.4	2559.3	2544.6	2395.1
65°	617.0	644.9	748.9	896.7	1057.7	1361.5	1883.2	2453.1	2597.7	2590.0	2453.1
67.5°	458.8	471.4	558.4	695.3	854.6	1115.7	1647.8	2311.9	2551.7	2558.3	2444.4
70°	343.8	347.1	415.0	527.7	663.5	880.3	1373.6	2086.3	2398.9	2428.5	2366.1
72.5°	260.0	266.1	322.5	411.1	511.9	677.7	1085.6	1779.8	2138.4	2211.7	2188.2
75°	203.7	210.8	249.6	318.1	395.8	513.0	821.7	1417.4	1811.5	1906.2	1932.5
77.5°	161.0	168.6	201.5	254.0	308.8	395.8	603.8	1060.4	1446.9	1541.6	1618.3
80°	126.5	131.9	161.0	199.8	243.1	292.3	423.2	770.8	1062.6	1180.9	1250.9
82.5°	96.4	102.4	124.8	157.7	190.5	223.4	302.2	524.5	770.8	824.5	943.8
85°	70.1	75.5	94.2	121.0	146.7	173.0	221.2	349.8	491.1	555.1	615.3
87.5°	51.5	53.7	70.1	89.8	112.8	130.8	159.3	223.4	312.0	343.8	394.2
90°	36.1	38.3	51.5	66.2	85.4	102.4	117.2	147.8	194.3	222.8	232.1
92.5°	26.8	28.5	38.3	49.8	65.7	79.4	88.7	104.6	126.5	138.5	146.2
95°	20.3	21.9	30.1	39.4	50.9	62.4	69.5	75.5	88.1	91.4	98.0
97.5°	16.4	17.5	24.6	32.3	41.1	51.5	55.3	58.6	63.0	66.2	69.0
100°	14.2	14.8	20.8	27.4	35.0	41.6	44.9	46.5	49.3	50.4	51.5
102.5°	12.6	12.6	18.1	23.5	30.1	35.0	37.8	37.8	38.3	38.9	38.3
105°	10.9	11.5	15.9	20.8	25.7	30.1	32.3	31.2	30.7	30.1	28.5
107.5°	10.4	10.4	14.2	18.6	23.0	26.3	27.9	25.7	24.6	23.5	21.9
110°	9.3	9.9	12.6	16.4	20.3	23.0	24.1	21.9	19.7	18.6	17.0



REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.8	9.3	11.5	14.8	18.1	20.8	20.8	18.6	15.9	14.8	13.7
115°	8.8	8.8	10.4	13.1	16.4	18.6	18.6	15.9	13.1	12.0	11.5
117.5°	8.8	8.8	9.9	12.0	14.8	16.4	16.4	13.7	10.9	9.9	9.9
120°	8.2	8.2	9.3	10.9	13.7	14.8	14.2	12.0	9.3	8.8	8.8
122.5°	8.2	8.2	8.8	10.4	12.6	13.7	13.1	10.4	8.2	7.1	7.7
125°	8.8	8.2	8.8	9.9	11.5	12.0	11.5	8.8	7.1	6.6	7.1
127.5°	8.8	8.8	8.2	9.3	10.4	10.9	10.4	7.7	6.0	6.0	6.6
130°	8.8	8.8	8.2	8.8	9.3	9.9	8.8	6.6	5.5	5.5	6.0
132.5°	8.8	8.8	8.2	8.2	8.8	8.8	7.7	5.5	4.9	4.9	5.5
135°	8.8	8.8	7.7	7.7	7.7	7.7	6.6	4.9	4.4	4.4	4.9
137.5°	8.2	8.2	7.7	7.1	7.1	6.6	5.5	3.8	3.3	3.8	4.4
140°	7.7	7.7	7.1	6.0	6.0	5.5	4.4	3.3	2.7	3.3	3.3
142.5°	7.1	7.1	6.6	5.5	4.9	4.4	3.8	2.2	2.2	2.2	2.7
145°	6.6	6.6	6.0	4.4	3.8	3.3	2.7	1.6	1.6	1.6	2.2
147.5°	5.5	5.5	4.9	3.8	2.7	2.7	1.6	1.1	1.6	1.6	1.6
150°	4.4	4.4	3.8	2.7	2.2	1.6	0.5	1.1	1.1	1.1	1.6
152.5°	3.8	3.8	2.7	2.2	1.1	0.5	0.5	0.5	1.1	1.1	1.1
155°	2.7	2.7	2.2	1.1	0.5	0.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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



REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	99.1	99.1	98.5	98.0	97.4	96.9	95.8	95.3	95.3	94.7	94.7
5°	106.8	106.2	104.6	102.9	100.7	99.6	98.0	96.9	96.4	95.8	95.8
7.5°	118.8	117.7	114.4	111.7	108.9	106.8	104.0	102.4	101.8	100.2	100.7
10°	135.8	134.1	130.3	125.4	120.4	117.2	113.3	111.1	110.0	108.9	107.8
12.5°	160.4	157.1	150.5	144.0	136.9	130.3	126.5	124.8	125.9	125.4	125.9
15°	194.3	188.3	178.5	168.6	156.0	147.8	146.7	146.2	146.2	146.7	147.8
17.5°	232.7	226.1	213.5	195.4	180.7	172.4	167.5	167.0	169.7	170.3	169.7
20°	283.0	276.5	256.8	232.1	210.8	197.6	191.1	191.1	194.9	196.0	198.2
22.5°	337.2	333.4	306.6	272.6	244.2	222.8	213.5	214.6	220.1	221.7	222.8
25°	412.8	397.5	364.6	318.1	277.0	248.5	236.0	236.5	242.5	246.9	248.5
27.5°	496.0	478.5	430.3	369.5	309.9	269.9	255.7	256.2	263.3	268.8	269.9
30°	585.2	567.7	504.8	420.4	340.5	289.1	269.9	270.4	278.7	284.7	285.8
32.5°	680.5	666.3	578.1	475.2	367.3	302.2	279.2	279.7	286.9	292.3	293.4
35°	800.9	768.6	665.2	523.9	389.8	310.4	283.6	283.0	290.2	295.6	296.7
37.5°	919.7	885.2	747.8	569.4	402.9	312.6	282.5	282.5	288.0	292.3	292.9
40°	1048.9	991.4	834.9	604.9	407.9	309.3	279.2	278.7	283.0	285.2	285.8
42.5°	1188.0	1117.4	920.3	633.4	405.7	302.2	273.2	273.7	275.4	275.4	274.8
45°	1313.3	1241.6	993.6	652.0	398.0	292.9	266.1	266.6	267.2	262.8	262.8
47.5°	1460.6	1373.6	1062.6	656.4	382.7	283.6	260.6	261.7	258.9	252.9	251.8
50°	1600.2	1503.3	1132.1	654.8	366.8	273.7	255.1	256.2	251.3	243.1	241.4
52.5°	1755.7	1631.4	1197.8	646.5	347.6	265.0	251.3	252.4	246.9	237.0	235.4
55°	1909.0	1767.2	1258.0	632.3	331.2	255.7	247.4	250.2	243.1	233.2	232.7
57.5°	2055.1	1901.9	1307.9	611.5	313.7	249.1	244.7	248.0	241.4	231.6	231.0
60°	2185.4	2016.3	1347.8	591.2	294.5	242.5	242.0	246.4	240.3	232.1	231.6
62.5°	2276.9	2119.2	1365.9	563.9	279.2	235.4	238.7	243.1	238.7	232.1	232.1
65°	2349.7	2165.2	1358.8	527.7	262.8	227.7	234.3	238.7	236.0	231.6	232.1
67.5°	2336.0	2164.1	1312.2	484.5	247.4	219.5	226.6	232.7	230.5	228.8	228.3
70°	2251.7	2061.7	1223.0	437.4	231.6	209.1	217.3	223.4	222.8	222.3	222.3
72.5°	2078.1	1884.3	1089.4	383.2	215.1	198.2	205.3	210.8	211.9	211.3	209.7
75°	1851.5	1640.2	934.5	332.3	198.2	185.0	192.7	196.0	197.6	196.5	196.5
77.5°	1519.2	1367.5	742.9	280.8	180.1	170.3	175.7	178.5	180.7	177.9	176.3
80°	1207.1	1040.2	571.5	229.4	160.4	153.8	156.6	157.7	159.9	157.1	153.8
82.5°	847.5	741.3	414.4	187.2	140.7	135.2	136.9	136.3	137.4	133.6	129.2
85°	566.1	498.2	285.2	150.5	120.4	115.5	115.5	113.9	112.8	108.9	105.7
87.5°	355.3	315.3	196.0	118.8	101.3	97.4	95.3	92.0	90.9	88.1	84.3
90°	219.0	201.5	136.9	95.3	84.3	81.0	78.8	73.9	73.4	69.0	66.2
92.5°	143.4	131.4	101.3	77.2	70.6	67.3	64.6	60.2	59.7	56.4	54.7
95°	94.7	92.0	77.2	64.6	59.7	56.9	54.2	50.4	49.3	46.0	43.8
97.5°	69.5	69.5	63.5	54.7	50.9	48.2	46.5	43.2	41.1	37.8	36.7
100°	52.6	53.1	50.9	47.1	43.8	41.1	39.4	36.7	35.0	31.8	31.2
102.5°	40.5	41.6	42.2	40.0	37.8	35.6	33.9	31.8	29.6	26.3	25.7
105°	31.2	32.3	34.5	33.9	32.8	31.2	29.6	27.4	24.6	21.9	21.9
107.5°	24.1	25.2	28.5	29.0	28.5	26.8	25.7	23.5	21.4	18.6	18.6
110°	18.6	20.3	23.5	24.6	24.6	23.5	22.4	20.3	17.5	15.9	15.9



REPORT NUMBER: P415155

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.3	17.0	19.7	21.4	21.4	20.8	19.2	17.0	14.8	13.7	13.7
115°	12.6	14.2	17.0	18.6	18.6	18.1	17.0	14.8	12.6	12.0	12.0
117.5°	10.9	12.0	14.2	15.9	16.4	15.9	14.8	12.6	10.9	10.9	10.9
120°	9.9	10.9	12.6	13.7	14.2	13.7	12.6	10.9	9.3	9.9	9.9
122.5°	8.8	9.3	10.9	12.6	12.6	12.6	11.5	9.3	8.2	8.8	8.8
125°	7.7	8.8	9.9	10.9	11.5	10.9	9.9	8.2	7.1	7.7	8.2
127.5°	7.1	7.7	8.8	9.9	9.9	9.9	8.8	7.1	6.6	7.1	7.1
130°	6.6	7.1	7.7	8.8	8.8	8.8	7.7	6.0	6.0	6.6	6.6
132.5°	6.0	6.6	7.1	7.7	7.7	7.7	6.6	5.5	4.9	6.0	6.0
135°	5.5	5.5	6.0	6.6	6.6	6.6	5.5	4.4	4.4	5.5	5.5
137.5°	4.4	4.9	5.5	5.5	5.5	5.5	4.4	3.8	3.8	4.4	4.4
140°	3.8	3.8	4.4	4.4	4.4	4.4	3.8	2.7	3.3	3.8	3.8
142.5°	3.3	3.3	3.8	3.8	3.8	3.3	2.7	2.2	2.7	3.3	3.3
145°	2.2	2.7	2.7	2.7	2.7	2.2	1.6	1.6	2.2	2.7	2.7
147.5°	2.2	2.2	2.2	2.2	2.2	1.6	1.1	1.1	1.6	2.2	2.2
150°	1.6	1.6	2.2	2.2	1.6	1.1	0.5	0.5	1.1	1.6	1.6
152.5°	1.1	1.1	1.6	1.6	1.1	0.5	0.0	0.0	0.5	0.5	0.5
155°	1.1	1.1	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.5	0.5	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

(END OF REPORT)