

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: P254474

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4269.7 lumens
Efficiency: N/A
Efficacy: 106.7 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

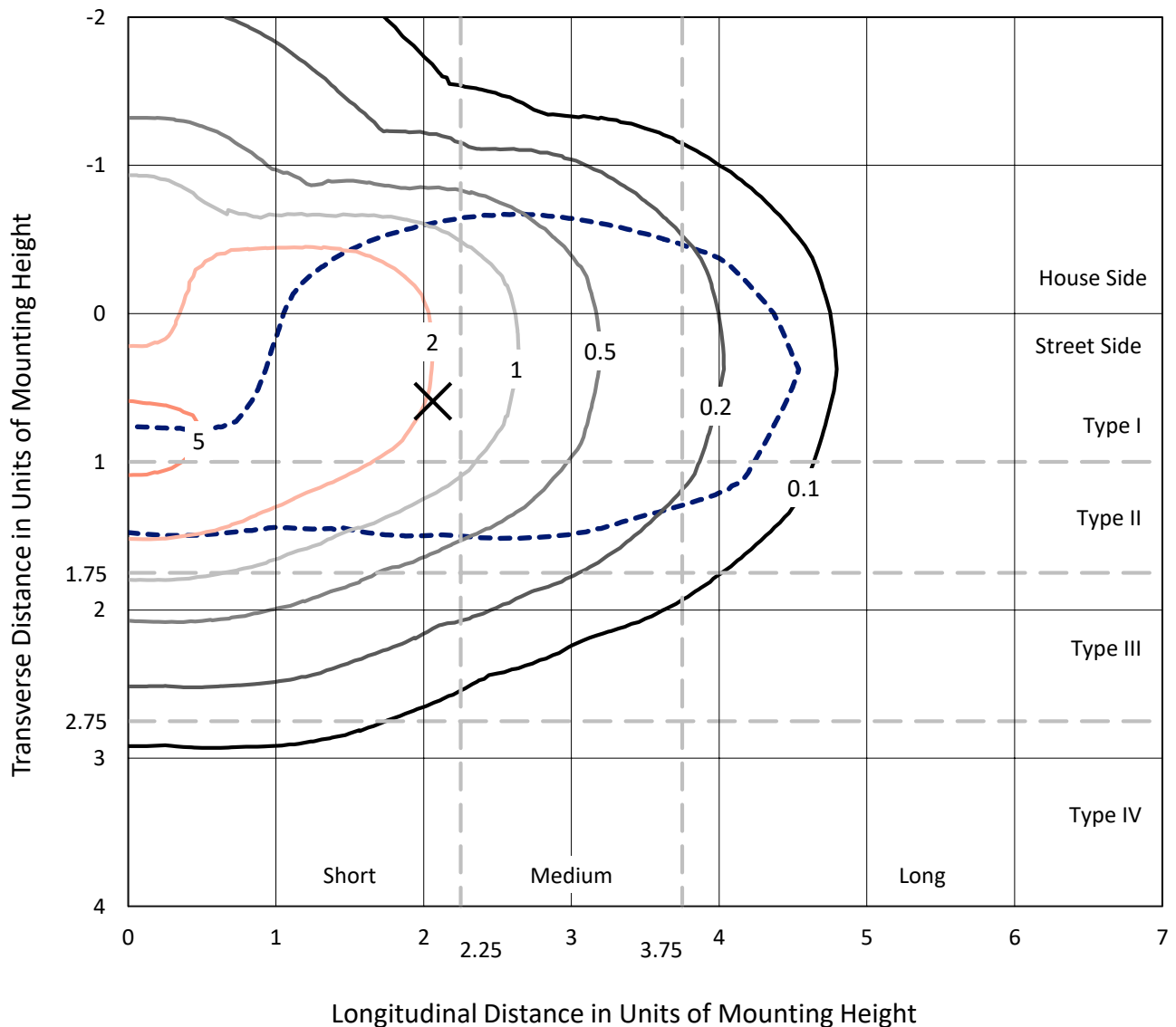
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P254474
 CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

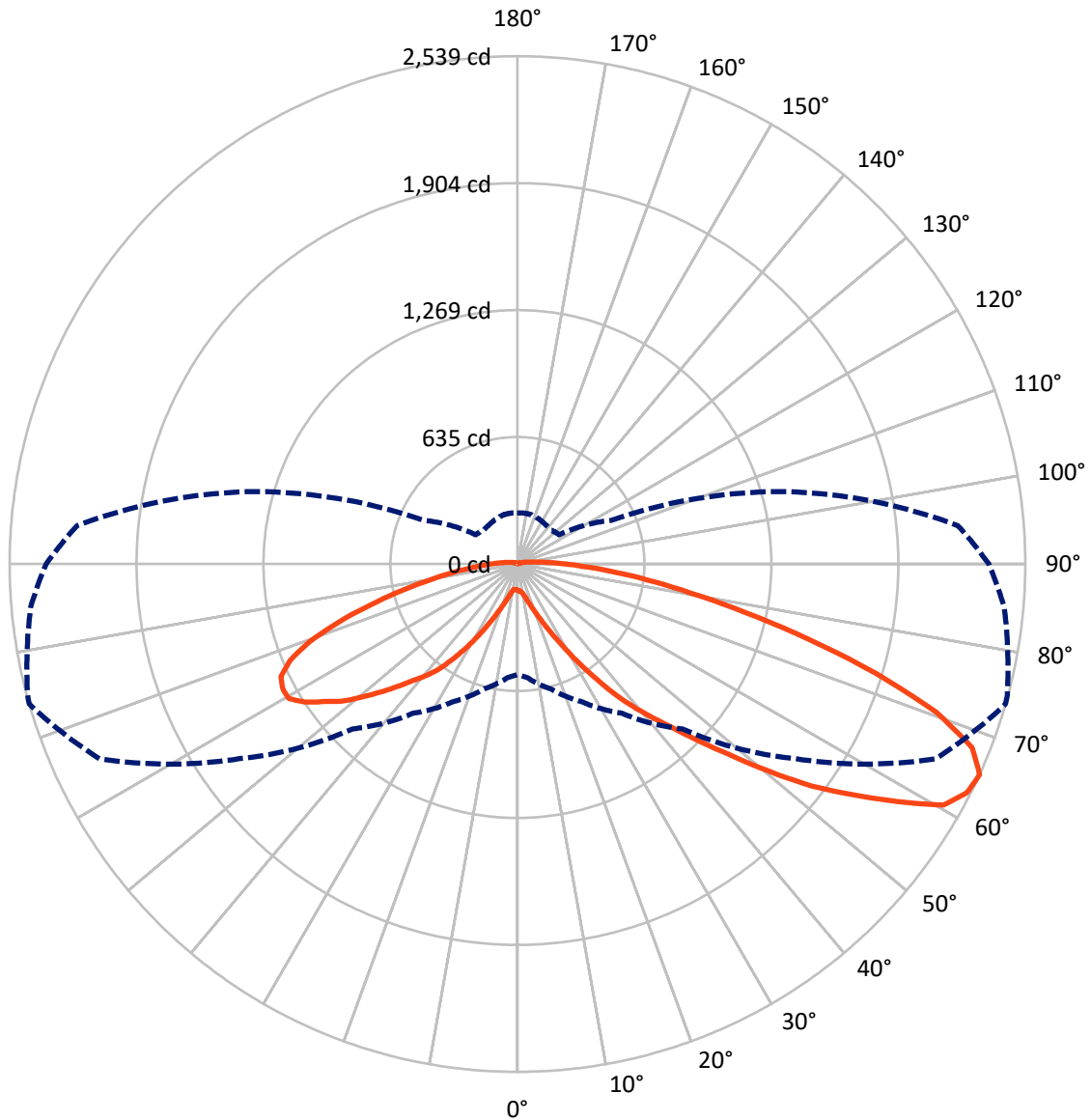
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P254474
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P254474

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

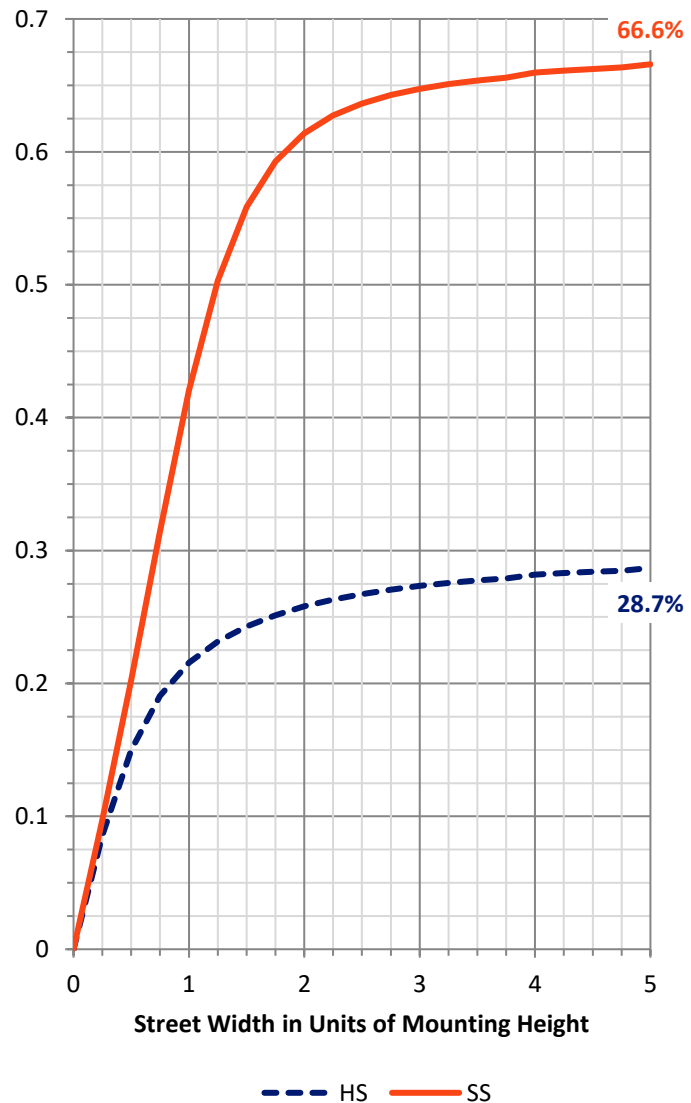
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1262.6	61.7	1324.3
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	2882.6	62.8	2945.4
	% Fixture	67.5	1.5	69.0
Total	Lumens	4145.2	124.5	4269.7
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.3
10°-20°	53.5	1.3
20°-30°	158.0	3.7
30°-40°	385.3	9.0
40°-50°	703.3	16.5
50°-60°	1000.8	23.4
60°-70°	1007.6	23.6
70°-80°	596.6	14.0
80°-90°	227.0	5.3
90°-100°	71.6	1.7
100°-110°	27.1	0.6
110°-120°	12.9	0.3
120°-130°	7.3	0.2
130°-140°	4.1	0.1
140°-150°	1.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4145.2	97.1
0°-180°	4269.7	100.0

Coefficient of Utilization



REPORT NUMBER: P254474

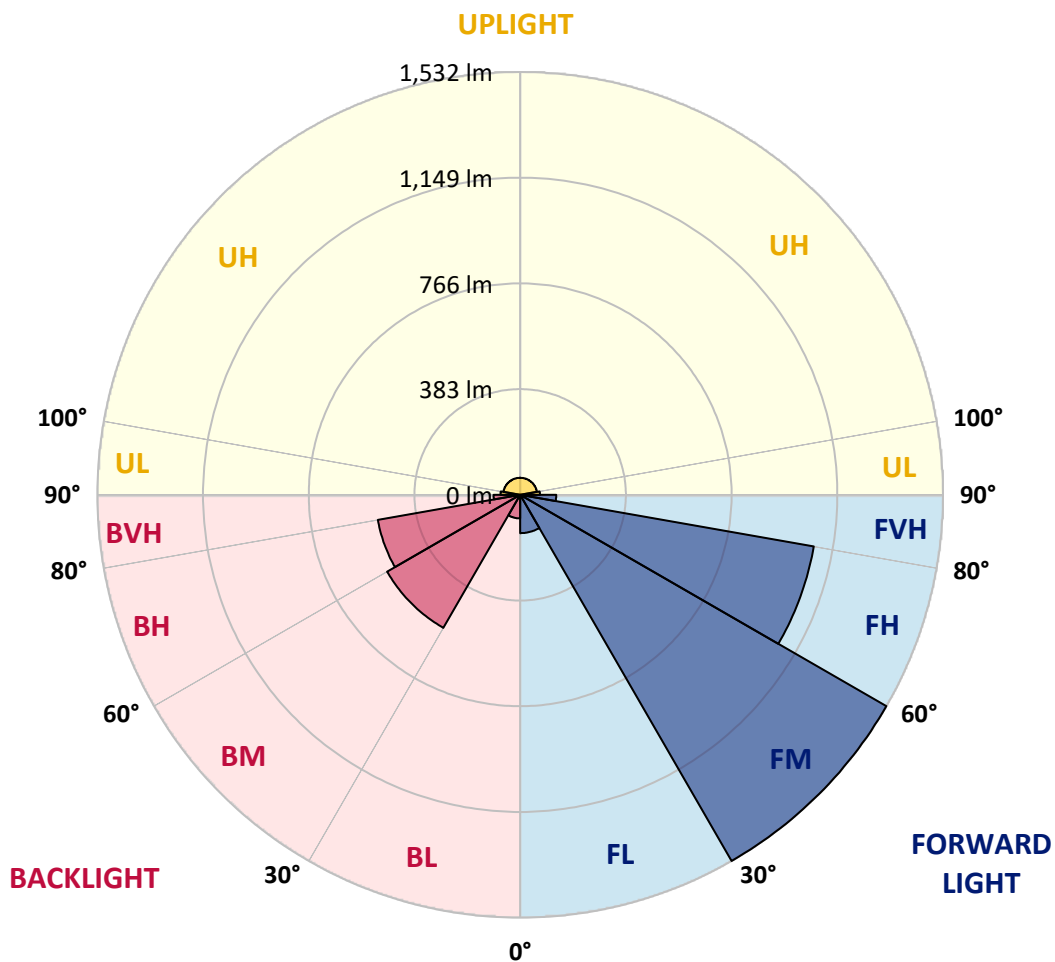
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.0	3.3			
FM (30°-60°)	1532.4	35.9			
FH (60°-80°)	1080.5	25.3			G1/1800
FVH (80°-90°)	130.6	3.1			G2/225
BL (0°-30°)	85.5	2.0	B0/110		
BM (30°-60°)	557.0	13.0	B1/1000		
BH (60°-80°)	523.6	12.3	B2/1000		G2/1000
BVH (80°-90°)	96.4	2.3			G1/100
UL (90°-100°)	71.6	1.7		U3/500	
UH (100°-180°)	61.7	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P254474

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	140.6	140.0	140.6	140.0	140.0	139.0	137.5	135.4	133.4	132.9	131.3
5°	150.3	150.3	150.3	149.2	148.2	146.7	143.6	140.0	136.5	136.0	132.9
7.5°	163.7	164.2	163.2	161.1	159.1	154.9	151.3	146.2	141.6	141.1	136.5
10°	183.6	183.1	181.6	179.0	173.4	168.8	162.6	155.4	150.3	149.2	143.6
12.5°	211.3	210.8	208.3	201.1	193.4	184.6	178.5	171.9	166.7	166.2	161.1
15°	247.2	246.2	241.1	231.9	219.5	208.3	203.2	196.5	191.4	190.9	185.7
17.5°	291.3	290.3	283.2	269.9	252.9	240.1	234.5	226.8	221.1	221.6	213.9
20°	346.8	344.2	334.5	316.5	296.0	280.6	271.9	264.2	259.5	259.0	253.4
22.5°	418.1	414.5	397.0	375.5	349.8	328.8	317.5	309.3	306.3	306.8	301.7
25°	509.4	502.7	480.7	450.9	419.1	386.8	373.5	364.3	365.8	366.8	361.6
27.5°	617.7	614.6	580.7	544.8	497.6	456.0	443.8	434.5	437.6	440.2	436.1
30°	752.1	741.7	702.3	648.4	587.4	536.5	520.7	517.6	525.8	529.4	526.8
32.5°	906.4	897.7	843.8	775.6	686.9	626.9	608.5	616.6	629.9	634.0	631.0
35°	1089.5	1081.9	1009.6	916.2	803.3	739.2	714.6	728.4	745.3	749.0	744.3
37.5°	1278.9	1274.8	1195.7	1073.2	935.2	852.1	831.0	851.1	869.0	872.1	856.7
40°	1441.0	1444.6	1365.5	1229.6	1070.6	972.1	959.8	977.7	982.9	984.4	955.2
42.5°	1572.8	1574.8	1506.1	1368.6	1197.9	1097.3	1090.6	1099.9	1101.4	1101.4	1067.6
45°	1607.7	1619.0	1579.5	1474.9	1318.9	1218.8	1218.8	1239.9	1250.1	1253.2	1209.6
47.5°	1623.6	1631.8	1609.2	1533.8	1416.4	1336.4	1363.0	1411.8	1422.0	1427.6	1371.8
50°	1609.2	1620.6	1616.5	1567.7	1483.1	1444.1	1522.0	1607.2	1626.2	1631.8	1563.6
52.5°	1496.4	1519.0	1552.8	1561.5	1523.6	1533.8	1683.2	1826.8	1843.7	1846.7	1745.7
55°	1333.2	1359.9	1417.4	1478.5	1514.9	1593.3	1839.6	2039.2	2035.1	2037.1	1921.1
57.5°	1128.1	1154.2	1231.7	1328.1	1433.8	1606.6	1933.5	2211.5	2239.8	2245.4	2135.6
60°	939.3	950.0	1033.2	1142.4	1282.5	1538.9	1933.5	2355.1	2447.0	2436.2	2287.4
62.5°	721.8	743.8	830.5	949.5	1101.9	1373.3	1863.2	2400.8	2520.9	2505.9	2366.4
65°	552.5	570.4	646.9	759.2	911.0	1165.6	1696.5	2304.8	2538.8	2535.2	2442.3
67.5°	430.9	433.5	499.1	595.1	720.8	940.3	1423.5	2118.6	2452.1	2451.6	2396.2
70°	325.7	328.3	381.7	470.5	556.6	719.2	1136.8	1815.4	2221.7	2215.1	2240.8
72.5°	248.8	251.9	293.9	364.8	427.8	537.0	866.4	1460.0	1876.0	1885.7	1923.7
75°	192.4	195.5	228.3	283.2	327.8	393.9	625.8	1099.4	1504.0	1520.0	1599.5
77.5°	148.2	151.3	177.5	219.0	251.9	288.8	436.1	806.4	1163.5	1184.0	1272.8
80°	113.9	116.9	140.0	169.8	196.5	219.0	307.3	577.7	875.6	898.8	1001.9
82.5°	88.3	91.3	110.8	134.9	157.5	172.9	223.6	411.4	653.1	672.0	779.2
85°	68.2	70.8	87.3	106.2	127.8	141.6	171.3	291.3	468.9	484.8	569.4
87.5°	52.9	54.9	68.2	83.6	103.6	117.4	136.5	211.9	321.6	334.0	390.4
90°	40.0	42.0	52.9	64.7	82.0	97.0	109.3	152.3	221.1	228.3	257.0
92.5°	29.3	30.8	39.5	48.2	62.6	76.9	87.3	112.8	150.3	153.9	166.2
95°	22.1	23.1	29.3	35.9	47.2	59.5	67.7	83.1	101.1	103.1	107.2
97.5°	17.5	18.0	22.6	27.7	36.4	46.1	52.4	61.1	71.3	72.3	74.4
100°	14.8	15.3	19.0	23.1	29.3	36.9	41.5	47.2	52.9	53.4	54.9
102.5°	12.8	13.3	15.9	19.0	24.7	30.8	33.9	37.4	40.5	40.0	41.5
105°	11.3	11.3	13.8	16.4	21.1	25.7	27.7	29.8	30.8	30.8	31.8
107.5°	9.7	10.2	11.8	14.3	18.5	22.1	23.1	23.6	23.6	23.6	24.7
110°	8.7	8.7	10.2	12.3	15.9	19.0	19.5	19.0	18.5	18.5	19.5



REPORT NUMBER: P254474

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.7	7.7	8.7	11.3	14.3	16.9	16.9	15.9	14.3	14.3	15.3
115°	6.6	7.2	7.7	10.2	13.3	15.3	14.8	13.3	11.8	11.8	12.8
117.5°	6.1	6.1	7.2	9.2	12.3	13.8	13.3	11.3	9.7	9.7	10.7
120°	6.1	6.1	6.6	8.7	11.3	12.8	11.8	9.7	8.2	8.2	9.7
122.5°	6.1	6.1	6.6	8.2	10.2	11.3	10.7	8.7	7.2	7.2	8.2
125°	6.6	6.6	6.6	8.2	9.7	10.7	9.7	8.2	6.6	6.6	7.2
127.5°	7.2	7.2	7.2	8.2	9.2	9.7	8.7	7.2	6.1	6.1	6.6
130°	7.7	7.7	7.2	7.7	8.7	8.7	8.2	6.6	5.6	5.6	6.6
132.5°	7.7	7.7	7.2	7.2	7.7	7.7	7.2	5.6	5.1	5.1	6.1
135°	7.2	7.2	6.6	6.6	6.6	6.6	5.6	4.6	4.6	4.6	5.1
137.5°	6.6	6.6	6.1	6.1	6.1	5.6	4.6	3.6	3.6	3.6	4.6
140°	5.6	5.6	5.6	5.1	5.1	4.6	3.6	3.1	3.1	3.1	3.6
142.5°	5.1	4.6	4.6	4.1	4.1	3.6	2.6	2.0	2.0	2.0	2.6
145°	4.1	4.1	3.6	3.1	3.1	2.6	1.5	1.0	1.5	1.5	2.0
147.5°	3.1	3.1	2.6	2.6	2.0	1.5	0.5	1.0	1.0	1.0	1.5
150°	2.0	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5	1.0	1.0
152.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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



REPORT NUMBER: P254474

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	130.3	129.8	128.8	126.7	126.2	125.2	123.7	123.2	122.1	122.7	122.1
5°	131.3	130.3	126.7	124.7	122.1	120.5	119.0	117.9	116.9	116.4	115.9
7.5°	133.9	132.4	128.3	124.2	120.5	117.9	115.9	114.4	113.3	112.8	112.3
10°	140.6	138.5	132.4	126.7	121.0	117.4	114.9	113.3	112.3	112.3	112.3
12.5°	157.0	154.4	145.2	135.4	126.2	120.5	117.4	119.5	122.1	124.7	126.2
15°	180.6	177.5	166.2	152.3	138.5	130.3	130.8	134.9	138.0	141.1	141.6
17.5°	210.3	206.2	191.9	173.4	154.9	148.2	146.2	150.3	155.4	158.6	160.1
20°	247.2	242.1	223.6	198.0	179.5	169.8	165.2	166.7	172.4	177.5	178.0
22.5°	294.4	285.2	263.7	228.3	205.2	190.3	183.6	183.6	191.4	198.0	199.1
25°	354.5	345.8	311.4	266.8	232.9	210.3	202.6	204.2	214.4	223.1	224.1
27.5°	428.3	416.0	370.9	312.4	261.7	227.8	219.5	223.6	233.9	243.2	244.2
30°	516.6	497.1	439.7	361.6	289.8	245.2	232.4	237.5	246.7	256.5	256.5
32.5°	616.6	593.5	517.1	414.0	316.5	257.5	239.6	246.2	255.4	265.3	264.7
35°	724.9	698.2	597.6	466.8	340.6	266.3	243.2	250.8	261.7	273.4	273.4
37.5°	834.6	807.4	678.7	514.0	357.5	267.3	244.2	255.4	269.9	280.6	279.6
40°	925.0	888.0	744.3	547.9	364.8	264.7	245.7	258.0	268.8	273.4	272.4
42.5°	1033.2	985.9	809.5	565.3	360.1	260.1	246.2	254.9	260.1	260.1	258.0
45°	1164.0	1110.1	890.6	583.8	348.3	254.9	243.7	248.8	248.8	244.7	241.6
47.5°	1322.5	1249.6	976.2	600.2	336.6	250.3	241.1	243.2	237.5	231.4	229.3
50°	1507.1	1418.9	1070.6	612.0	325.2	246.7	240.1	239.1	235.0	228.8	226.8
52.5°	1677.4	1578.5	1168.6	621.2	313.4	245.2	240.1	240.1	236.0	227.3	225.2
55°	1845.2	1739.5	1247.1	616.1	300.6	245.7	242.1	243.2	237.5	228.8	226.8
57.5°	2056.5	1942.7	1340.5	606.9	287.2	246.7	244.2	245.2	240.1	231.9	229.9
60°	2203.3	2077.1	1407.2	592.5	275.0	246.7	245.2	246.7	245.2	241.1	239.6
62.5°	2290.5	2149.9	1414.3	559.7	265.8	244.7	244.2	249.3	252.9	251.3	249.8
65°	2356.2	2209.5	1398.4	517.1	254.9	239.1	241.6	249.8	255.9	256.5	255.9
67.5°	2305.3	2154.0	1321.4	467.3	242.1	231.9	237.0	246.2	255.4	258.5	258.0
70°	2149.4	2000.7	1189.1	406.3	227.3	220.5	227.8	240.1	249.8	253.4	252.4
72.5°	1828.8	1696.0	1007.0	347.8	209.8	205.7	213.4	227.8	236.0	238.0	236.5
75°	1513.9	1396.8	808.4	286.7	190.9	187.2	194.5	205.7	211.3	211.3	208.8
77.5°	1210.2	1101.4	636.6	238.0	171.3	167.3	173.9	180.6	181.6	178.0	175.4
80°	950.5	847.9	482.2	197.0	151.3	147.2	149.2	153.3	154.9	148.2	144.6
82.5°	737.1	645.4	362.1	163.2	131.9	126.7	128.3	130.3	130.8	122.7	118.5
85°	531.4	462.2	265.8	137.5	113.3	108.7	108.2	108.7	109.3	102.1	98.5
87.5°	364.8	316.5	194.5	115.4	98.0	93.4	92.4	91.9	91.9	84.1	80.5
90°	240.1	212.4	144.6	97.5	83.1	78.5	76.4	75.9	74.9	66.7	63.6
92.5°	155.9	142.6	107.2	80.0	68.7	64.7	62.1	60.6	59.0	51.2	48.2
95°	102.1	96.5	81.0	64.1	55.4	51.8	49.7	47.7	45.6	39.0	36.9
97.5°	72.3	70.3	63.1	51.8	44.1	41.5	40.0	38.5	36.9	31.3	30.3
100°	54.4	53.9	50.7	42.6	35.9	34.4	32.8	31.8	30.8	26.7	25.7
102.5°	42.0	42.6	41.5	34.9	30.3	28.7	27.7	26.7	26.2	23.1	22.6
105°	32.8	33.9	33.3	29.3	25.7	24.7	23.6	22.6	22.1	20.0	20.0
107.5°	25.7	26.7	27.2	24.1	22.1	21.1	20.0	19.0	19.0	18.0	18.0
110°	20.6	21.6	22.6	20.6	19.0	18.5	17.5	16.4	15.9	15.9	15.9



REPORT NUMBER: P254474

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.9	17.5	18.5	17.5	16.4	15.9	14.8	13.8	13.8	13.8	14.3
115°	13.8	14.8	15.3	14.8	14.3	14.3	12.8	11.8	11.3	12.3	12.3
117.5°	11.8	12.8	13.3	12.8	12.8	12.8	11.3	10.2	9.7	10.2	10.7
120°	10.2	10.7	11.3	11.3	11.3	11.3	10.2	8.7	8.2	9.2	9.2
122.5°	8.7	9.2	9.7	10.2	10.2	9.7	8.7	7.7	7.2	8.2	8.2
125°	7.7	8.2	8.7	9.2	9.2	8.7	7.7	6.6	6.1	7.2	7.2
127.5°	7.2	7.7	8.2	8.2	8.2	7.7	6.6	5.6	5.6	6.1	6.6
130°	7.2	7.2	7.7	7.7	7.2	6.6	5.6	4.6	4.6	5.6	5.6
132.5°	6.6	6.6	6.6	6.6	6.1	5.6	4.6	4.1	4.1	5.1	5.1
135°	5.6	5.6	5.6	5.6	5.1	4.6	4.1	3.1	3.6	4.1	4.1
137.5°	4.6	4.6	4.6	4.6	4.1	3.6	3.1	2.6	2.6	3.1	3.6
140°	3.6	4.1	4.1	3.6	3.1	3.1	2.0	1.5	2.0	2.6	2.6
142.5°	3.1	3.1	3.1	2.6	2.6	2.0	1.5	1.0	1.5	2.0	2.0
145°	2.6	2.6	2.6	2.6	2.0	1.0	0.5	0.5	1.0	1.0	1.0
147.5°	2.0	2.0	2.0	2.0	1.5	1.0	0.0	0.0	0.5	0.5	0.5
150°	1.5	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.5	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)