

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: P255005

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)  
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-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4018.5 lumens  
Efficiency: N/A  
Efficacy: 100.5 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: B1 - U3 - G2

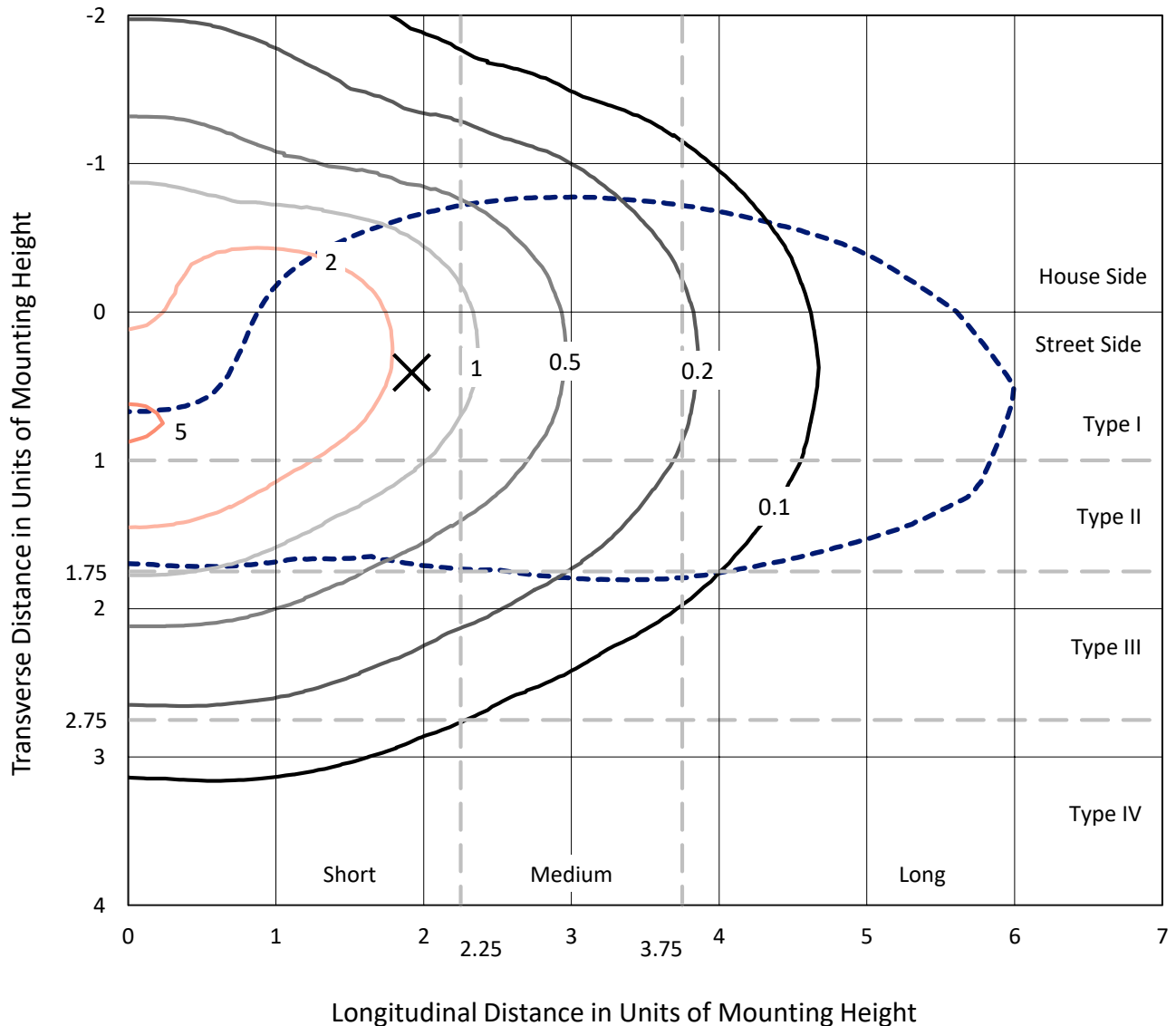
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

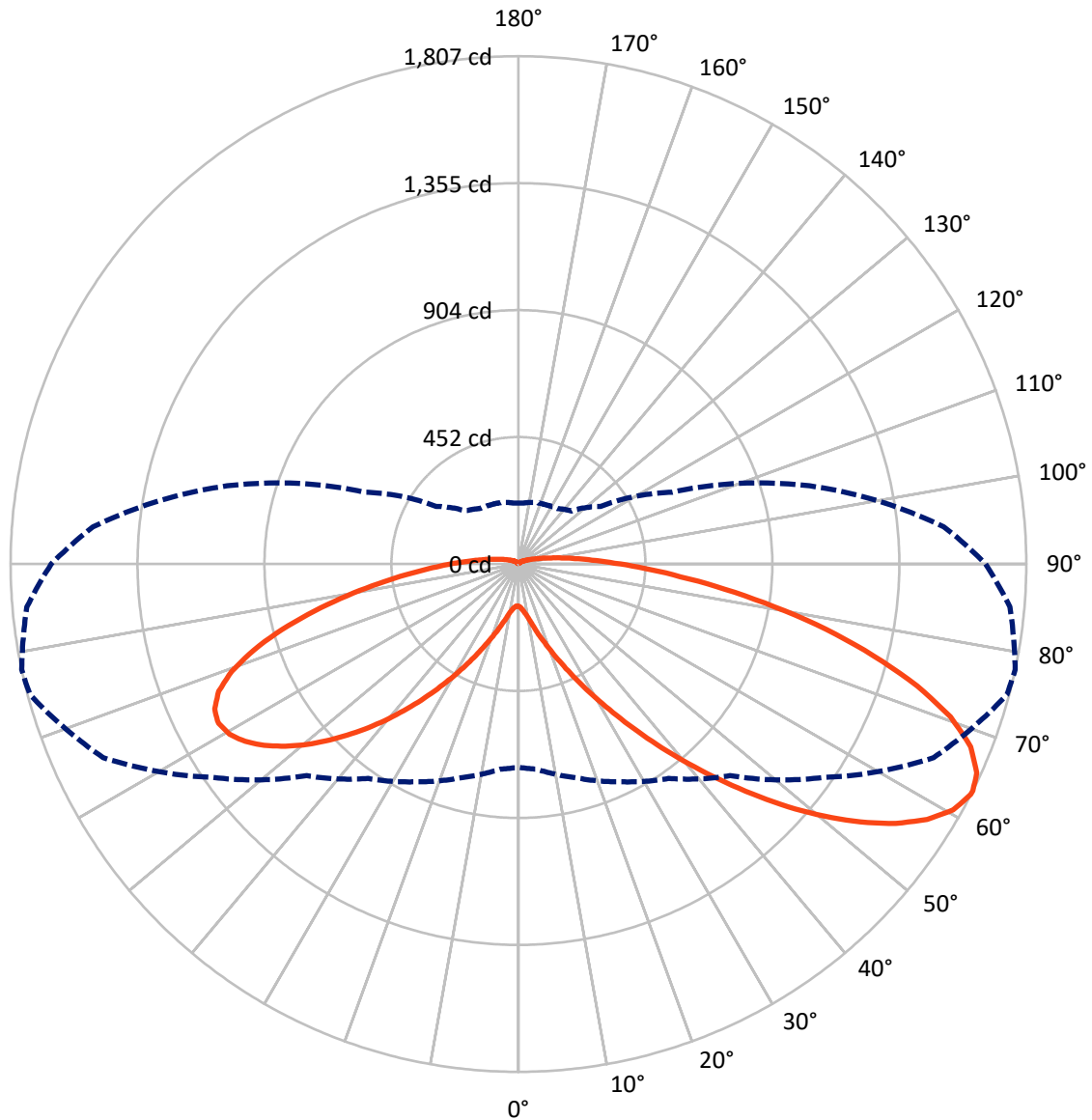


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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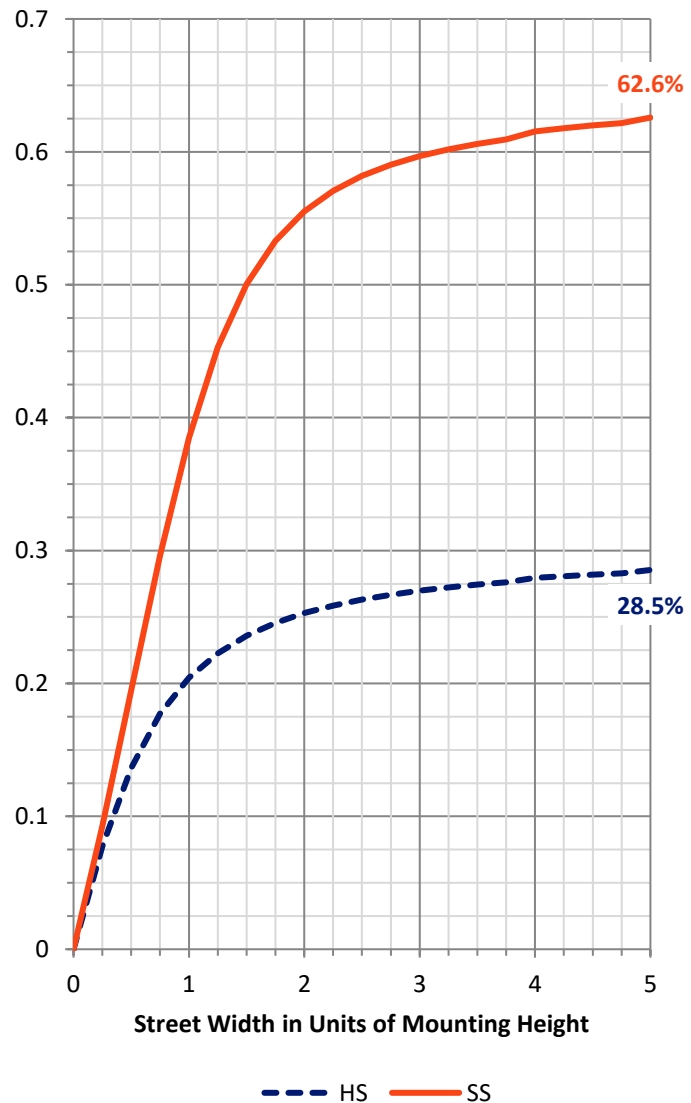
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1193.7	109.1	1302.8
	% Fixture	29.7	2.7	32.4
<b>Street Side</b>	Lumens	2580.6	135.1	2715.7
	% Fixture	64.2	3.4	67.6
<b>Total</b>	Lumens	3774.3	244.2	4018.5
	% Fixture	93.9	6.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.0	0.4
10°-20°	68.5	1.7
20°-30°	179.0	4.5
30°-40°	371.7	9.2
40°-50°	626.1	15.6
50°-60°	822.9	20.5
60°-70°	814.8	20.3
70°-80°	580.1	14.4
80°-90°	295.2	7.3
90°-100°	128.4	3.2
100°-110°	58.8	1.5
110°-120°	29.9	0.7
120°-130°	15.9	0.4
130°-140°	7.9	0.2
140°-150°	2.8	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3774.3	93.9
0°-180°	4018.5	100.0



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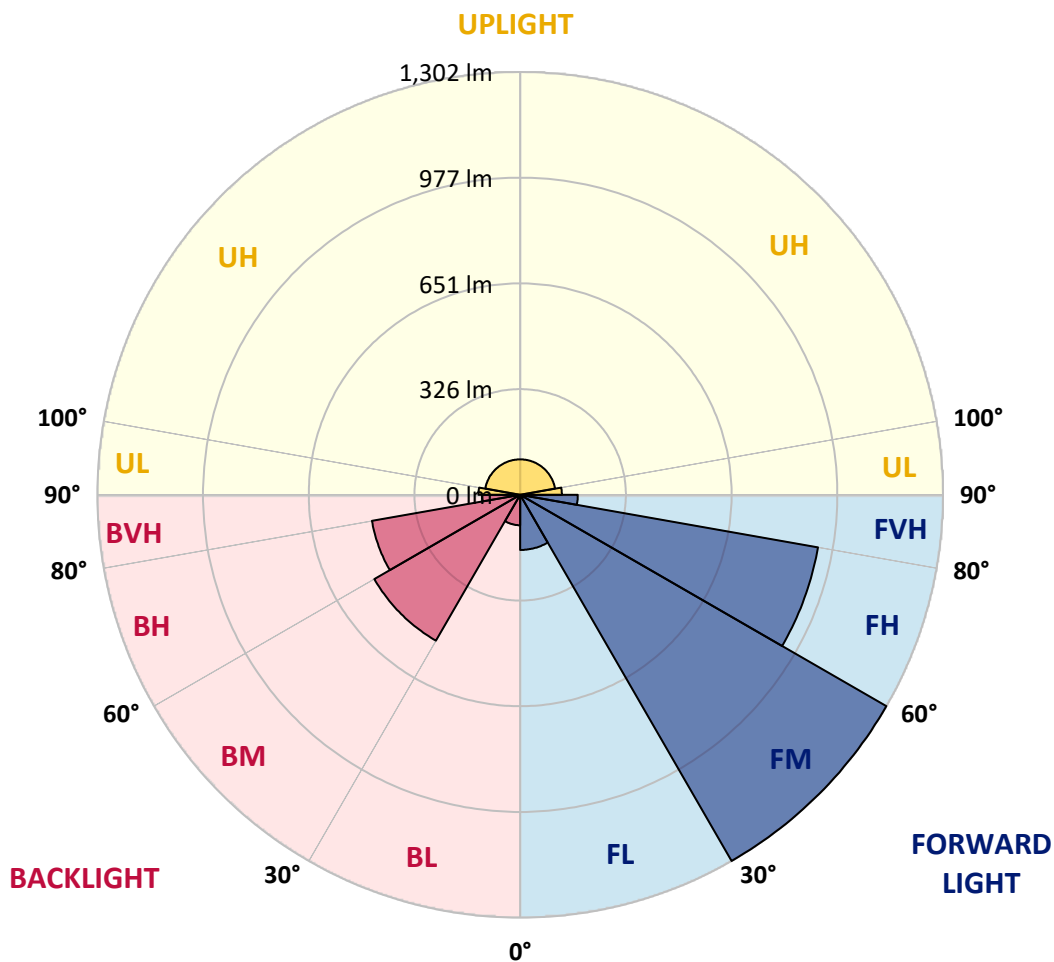
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.9	4.2			
FM (30°-60°)	1302.1	32.4			
FH (60°-80°)	931.3	23.2			G1/1800
FVH (80°-90°)	177.3	4.4			G2/225
BL (0°-30°)	93.6	2.3	B0/110		
BM (30°-60°)	518.6	12.9	B1/1000		
BH (60°-80°)	463.6	11.5	B1/500		G1/500
BVH (80°-90°)	117.9	2.9			G2/225
UL (90°-100°)	128.4	3.2		U3/500	
UH (100°-180°)	109.1	2.7		U3/500	

**BUG Rating: B1-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3
2.5°	166.8	167.3	167.3	166.4	165.4	163.5	161.6	159.1	155.7	155.2	152.9
5°	186.8	187.3	186.8	184.8	182.9	179.5	175.6	171.2	165.4	165.0	160.6
7.5°	211.0	211.5	211.0	207.6	204.2	199.4	194.1	187.7	179.5	178.1	172.2
10°	241.1	242.1	240.6	237.7	231.8	224.6	217.9	208.5	199.8	196.4	189.2
12.5°	279.4	279.4	276.5	272.2	264.9	255.6	246.9	235.8	226.0	221.2	213.5
15°	322.1	322.7	318.7	313.3	305.6	291.6	281.9	270.2	258.1	253.7	242.5
17.5°	371.2	372.1	367.2	359.5	348.7	334.8	322.7	308.9	295.0	287.7	276.0
20°	428.4	428.4	423.1	412.9	399.3	383.7	368.2	352.7	337.2	328.5	316.3
22.5°	493.5	493.5	487.1	473.5	454.1	437.1	420.1	402.6	385.6	376.5	360.9
25°	568.5	571.4	559.3	542.4	520.5	496.8	479.7	459.4	441.0	430.8	413.8
27.5°	653.5	654.9	639.9	614.7	586.5	561.8	542.9	524.5	504.0	493.5	473.0
30°	744.7	741.8	728.2	698.0	661.2	631.2	612.2	595.3	572.0	563.7	541.4
32.5°	842.7	840.7	823.3	782.0	742.2	705.9	685.5	674.7	651.5	642.3	618.5
35°	945.9	942.6	921.7	878.6	826.2	786.3	768.0	762.6	741.4	732.0	703.4
37.5°	1054.2	1046.3	1020.3	965.5	911.1	868.8	860.6	852.9	838.8	829.1	795.1
40°	1140.5	1137.2	1110.9	1053.7	995.1	959.7	954.3	959.7	945.9	934.8	895.5
42.5°	1210.4	1208.0	1187.1	1130.9	1072.2	1039.6	1045.4	1062.9	1058.5	1047.4	1003.8
45°	1258.8	1256.5	1241.4	1192.9	1139.0	1115.3	1141.5	1173.6	1176.4	1167.2	1115.7
47.5°	1275.9	1274.4	1266.2	1230.8	1189.5	1183.8	1235.6	1286.1	1298.2	1290.5	1232.2
50°	1254.1	1255.1	1257.9	1242.0	1216.7	1233.2	1309.8	1393.3	1419.5	1410.7	1348.7
52.5°	1197.8	1201.2	1215.3	1220.5	1216.7	1258.8	1372.0	1490.3	1535.0	1525.3	1461.3
55°	1111.3	1116.3	1141.0	1168.6	1188.5	1256.9	1410.7	1572.2	1636.3	1629.5	1563.1
57.5°	997.9	1007.6	1041.1	1090.1	1130.4	1226.9	1421.9	1628.6	1719.3	1714.4	1650.0
60°	872.2	880.5	926.6	990.7	1048.9	1168.2	1397.7	1652.9	1775.6	1777.0	1715.9
62.5°	747.6	756.8	811.1	877.6	951.8	1083.8	1339.9	1638.3	1798.9	1806.2	1753.3
63°	723.3	732.6	786.8	854.9	931.4	1064.8	1324.4	1630.0	1798.9	1807.0	1755.7
65°	629.3	638.0	691.8	762.6	843.6	982.4	1249.2	1581.5	1779.4	1792.1	1751.8
67.5°	519.5	528.9	583.1	653.0	731.1	866.0	1130.9	1481.5	1712.9	1735.8	1710.0
70°	426.8	436.6	486.1	552.1	624.9	747.6	995.5	1347.1	1606.2	1631.0	1621.3
72.5°	351.7	360.0	408.5	463.8	528.9	638.0	856.7	1185.1	1453.4	1483.5	1489.3
75°	287.3	295.9	338.6	388.1	445.3	537.0	722.3	1013.9	1264.2	1305.9	1322.5
77.5°	234.4	242.5	280.4	323.6	372.1	447.3	598.6	844.1	1070.2	1120.7	1142.0
80°	191.1	198.9	230.0	269.3	310.6	371.2	490.5	680.1	878.1	923.7	945.9
82.5°	155.2	162.0	189.2	223.7	258.6	307.6	400.2	544.3	701.5	739.8	751.9
85°	125.2	131.0	155.2	185.3	214.9	252.7	323.6	430.3	548.7	578.7	593.9
87.5°	100.0	104.8	126.6	152.9	178.1	212.5	262.0	343.0	424.5	446.8	456.4
90°	81.1	84.9	102.8	125.2	147.9	173.1	212.5	266.8	326.4	342.5	349.3
92.5°	66.0	68.9	84.9	103.4	123.7	146.5	173.1	211.0	251.3	262.0	266.4
95°	55.2	56.3	70.4	86.4	102.8	122.3	141.7	167.8	194.1	201.4	203.2
97.5°	45.2	46.6	58.7	73.2	87.3	101.8	116.0	134.4	150.9	155.2	155.7
100°	38.8	39.4	49.5	62.6	74.8	86.4	96.5	107.7	117.5	118.9	119.8
102.5°	33.0	33.5	42.2	54.3	64.6	74.2	82.0	88.3	92.3	92.7	92.7
105°	28.6	29.1	36.4	47.1	56.3	63.6	69.8	72.3	73.2	72.7	72.7
107.5°	25.6	25.6	32.0	41.2	49.5	55.8	59.6	60.2	58.7	57.7	57.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	22.8	23.3	28.2	36.8	44.1	48.9	51.9	50.5	47.5	46.6	46.6
112.5°	20.9	21.3	24.7	32.4	38.8	43.7	45.2	42.7	38.8	37.8	38.4
115°	19.4	19.4	22.3	28.6	35.0	38.8	39.4	36.4	32.0	31.5	32.0
117.5°	17.9	17.9	19.8	25.6	31.0	34.4	34.4	31.0	27.2	26.2	26.7
120°	16.9	16.9	18.5	22.8	27.7	30.6	30.0	26.7	22.8	22.8	23.3
122.5°	16.1	16.1	16.9	20.3	24.7	27.2	26.7	22.8	19.4	19.4	19.8
125°	15.1	15.1	15.6	18.5	21.9	23.8	23.3	19.4	16.9	16.9	17.5
127.5°	14.1	14.1	14.5	16.5	19.4	20.9	19.8	16.5	15.1	15.1	15.6
130°	13.5	13.5	13.5	14.5	16.9	18.5	16.9	14.1	13.1	13.1	13.5
132.5°	12.6	12.6	12.6	13.1	14.5	15.6	14.5	12.1	11.7	11.7	12.1
135°	12.1	12.1	11.7	11.7	12.6	13.1	11.7	10.2	10.2	10.2	10.7
137.5°	11.2	11.2	10.7	10.2	10.7	10.7	9.8	8.2	8.7	8.7	9.2
140°	10.2	10.2	9.8	8.7	8.2	8.2	7.3	6.8	7.3	7.3	7.7
142.5°	8.7	8.7	8.2	7.3	6.3	5.8	5.4	5.4	5.8	5.8	6.3
145°	7.3	7.3	6.8	5.8	4.8	4.4	4.0	4.0	4.4	4.4	4.8
147.5°	5.8	5.8	5.4	4.4	3.4	2.4	2.4	2.9	3.4	3.4	3.4
150°	4.8	4.8	4.4	3.4	1.9	1.4	1.0	1.4	1.9	1.9	1.9
152.5°	3.4	3.4	2.9	1.9	1.4	0.4	0.4	1.0	1.4	1.4	1.4
155°	1.9	1.9	1.4	1.0	0.4	0.4	0.4	0.4	1.0	1.0	1.0
157.5°	1.0	1.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3
2.5°	151.9	150.9	148.5	146.0	144.1	142.6	141.7	140.2	139.8	139.2	139.2
5°	158.1	155.7	151.4	147.0	143.1	139.8	136.8	134.4	133.0	131.9	132.4
7.5°	168.4	164.4	158.1	151.4	145.1	140.2	135.8	133.0	130.4	129.0	129.0
10°	184.3	178.9	169.4	159.6	151.9	144.5	139.2	134.8	131.9	130.4	130.4
12.5°	207.1	200.4	186.8	173.1	162.5	152.9	146.0	141.7	140.7	139.2	139.2
15°	234.4	226.0	209.6	192.1	177.5	164.4	158.7	154.7	152.3	150.3	150.3
17.5°	266.4	255.6	234.8	213.5	195.5	181.9	172.2	166.8	164.0	162.5	162.5
20°	303.2	290.1	264.4	237.7	215.3	200.8	187.7	179.5	176.6	175.2	174.6
22.5°	346.0	329.9	298.9	265.4	239.2	219.7	204.2	192.1	188.7	187.3	186.3
25°	396.8	378.9	337.6	296.8	264.4	237.7	218.7	205.2	200.4	198.9	198.5
27.5°	454.1	432.2	381.8	331.8	288.1	253.7	231.4	217.3	211.0	209.1	209.6
30°	518.1	492.4	430.3	367.2	311.5	268.2	241.6	226.6	219.7	217.9	217.9
32.5°	589.5	555.5	483.2	404.6	333.2	280.4	250.3	234.8	226.6	225.1	225.1
35°	668.0	632.6	540.4	442.4	352.7	290.1	256.6	241.1	232.4	230.4	230.4
37.5°	758.3	711.8	601.0	478.8	369.2	297.4	261.0	245.0	236.2	233.4	233.4
40°	849.9	796.1	664.2	513.3	383.3	301.8	263.5	246.9	238.7	234.8	234.4
42.5°	950.3	883.0	728.6	544.7	393.0	304.2	263.9	248.3	239.6	234.8	233.9
45°	1054.7	981.9	788.3	572.0	400.2	304.2	263.5	247.9	239.6	233.4	232.4
47.5°	1159.9	1077.6	850.5	594.8	403.6	302.7	262.4	247.4	239.2	231.4	230.4
50°	1269.6	1173.0	909.1	612.7	403.1	299.8	260.0	246.0	237.2	229.0	228.1
52.5°	1372.4	1260.9	963.0	625.3	400.2	295.4	257.1	244.5	235.8	226.6	225.6
55°	1472.4	1349.2	1009.5	632.1	393.9	290.1	254.2	242.5	234.4	224.1	223.7
57.5°	1552.9	1423.3	1045.9	631.6	384.7	283.3	250.9	240.2	232.4	222.7	221.7
60°	1618.9	1482.9	1069.2	624.3	373.5	276.5	246.9	237.2	230.4	220.7	219.3
62.5°	1657.7	1516.5	1075.0	608.8	360.0	268.8	241.6	232.8	227.0	218.3	216.9
63°	1662.1	1519.4	1073.6	605.0	357.1	266.8	240.6	232.4	226.6	217.9	216.4
65°	1660.6	1518.4	1059.5	585.1	344.3	259.1	235.8	228.1	223.1	214.9	213.5
67.5°	1622.7	1481.5	1019.7	552.1	326.0	248.9	228.1	221.7	216.9	209.6	208.1
70°	1540.8	1403.0	952.7	510.8	305.6	237.2	218.3	213.5	208.5	201.8	199.8
72.5°	1419.5	1287.1	863.0	466.6	284.3	223.7	207.6	202.7	198.9	193.1	189.7
75°	1261.3	1140.0	759.3	417.3	261.0	209.6	194.5	190.6	185.8	180.5	177.5
77.5°	1077.6	972.2	649.5	366.2	237.2	193.6	180.5	176.1	171.7	166.0	162.0
80°	891.7	803.4	541.0	316.8	213.5	176.6	165.0	161.0	155.7	149.4	145.6
82.5°	715.1	646.2	442.4	271.2	190.2	159.6	148.9	144.1	138.2	131.9	129.6
85°	558.5	507.9	356.5	230.0	167.3	142.6	133.0	128.1	120.8	113.5	110.6
87.5°	430.8	393.9	286.3	193.6	146.5	126.0	116.5	110.6	103.8	96.5	94.1
90°	330.4	305.2	229.0	163.1	127.7	109.6	101.8	96.5	88.8	81.5	79.5
92.5°	253.3	236.2	183.9	137.3	109.2	96.0	89.3	83.5	75.7	68.4	66.9
95°	194.5	183.3	148.5	114.9	94.6	83.9	78.1	71.8	64.0	57.3	55.8
97.5°	150.9	143.1	119.8	97.0	82.0	73.2	68.4	62.1	54.3	48.1	47.1
100°	116.9	112.1	97.5	81.5	71.3	64.0	59.2	53.9	46.6	39.8	39.8
102.5°	91.2	88.3	80.1	69.8	62.1	56.7	52.5	46.6	39.4	34.0	33.5
105°	72.3	70.8	66.0	59.6	54.3	49.9	46.1	40.3	33.5	28.6	28.6
107.5°	57.7	57.3	54.8	51.0	47.5	44.1	40.8	35.0	28.6	24.7	24.7



REPORT NUMBER: P255005

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	47.1	47.1	46.1	43.7	41.7	38.8	35.4	30.6	24.2	21.3	21.3
112.5°	38.8	39.4	38.8	37.8	36.8	34.4	31.5	26.2	20.9	18.9	18.9
115°	32.4	33.0	33.0	33.0	32.4	30.6	27.7	22.8	17.9	16.5	16.5
117.5°	27.7	28.2	28.6	28.6	28.2	26.7	24.2	19.8	15.6	14.5	15.1
120°	23.8	24.2	24.7	25.2	24.7	23.8	20.9	16.9	13.5	13.1	13.1
122.5°	20.9	21.3	21.3	21.9	21.9	20.9	18.5	14.5	11.7	11.7	11.7
125°	17.9	18.5	18.9	18.9	19.4	17.9	15.6	12.1	10.2	10.2	10.7
127.5°	16.1	16.1	16.1	16.5	16.5	15.6	13.5	10.2	8.7	9.2	9.2
130°	14.1	14.1	14.5	14.5	14.5	13.5	11.2	8.7	7.7	8.2	8.2
132.5°	12.1	12.6	12.6	12.1	12.1	11.7	9.2	7.3	6.8	7.3	7.3
135°	10.7	11.2	11.2	10.2	10.2	9.2	7.7	5.8	6.3	6.3	6.8
137.5°	9.2	9.8	9.2	8.7	8.2	7.7	6.3	4.8	5.4	5.8	5.8
140°	7.7	7.7	7.7	7.3	6.8	5.8	4.8	4.0	4.8	4.8	4.8
142.5°	6.3	6.3	6.3	5.8	4.8	4.4	3.4	3.4	4.0	4.0	4.0
145°	4.8	4.8	4.8	4.4	3.4	2.9	2.4	2.4	2.9	3.4	3.4
147.5°	3.4	3.4	3.4	2.9	1.9	1.4	1.4	1.9	2.4	2.4	2.4
150°	2.4	2.4	2.4	1.9	1.4	1.0	1.0	1.4	1.4	1.9	1.9
152.5°	1.4	1.9	1.9	1.4	1.0	0.4	0.4	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.4	1.0	1.0	0.4	0.0	0.0	0.4	0.4	0.4
157.5°	1.0	1.0	1.0	1.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	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)