

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: P415314

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-830-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3785 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

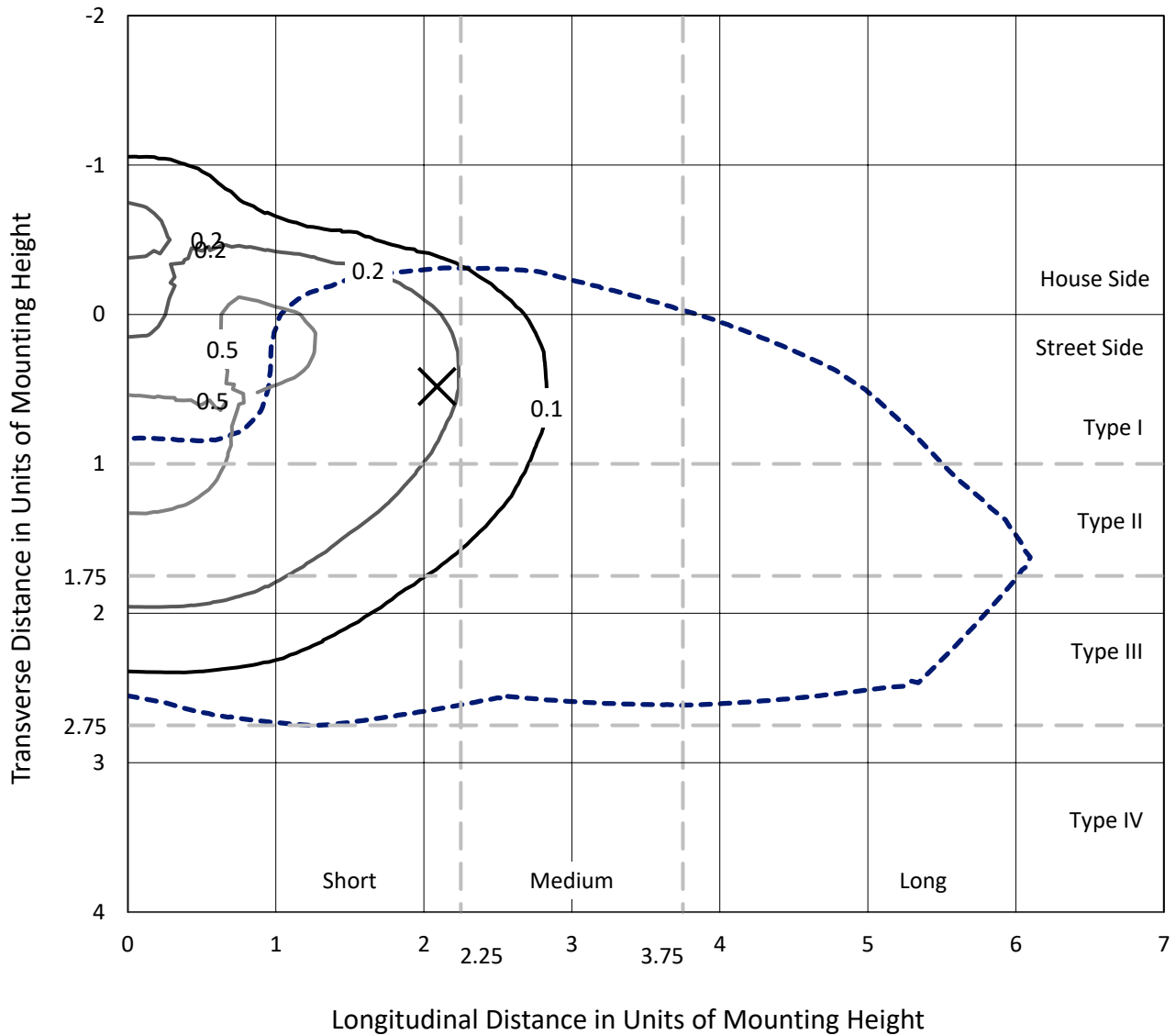
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

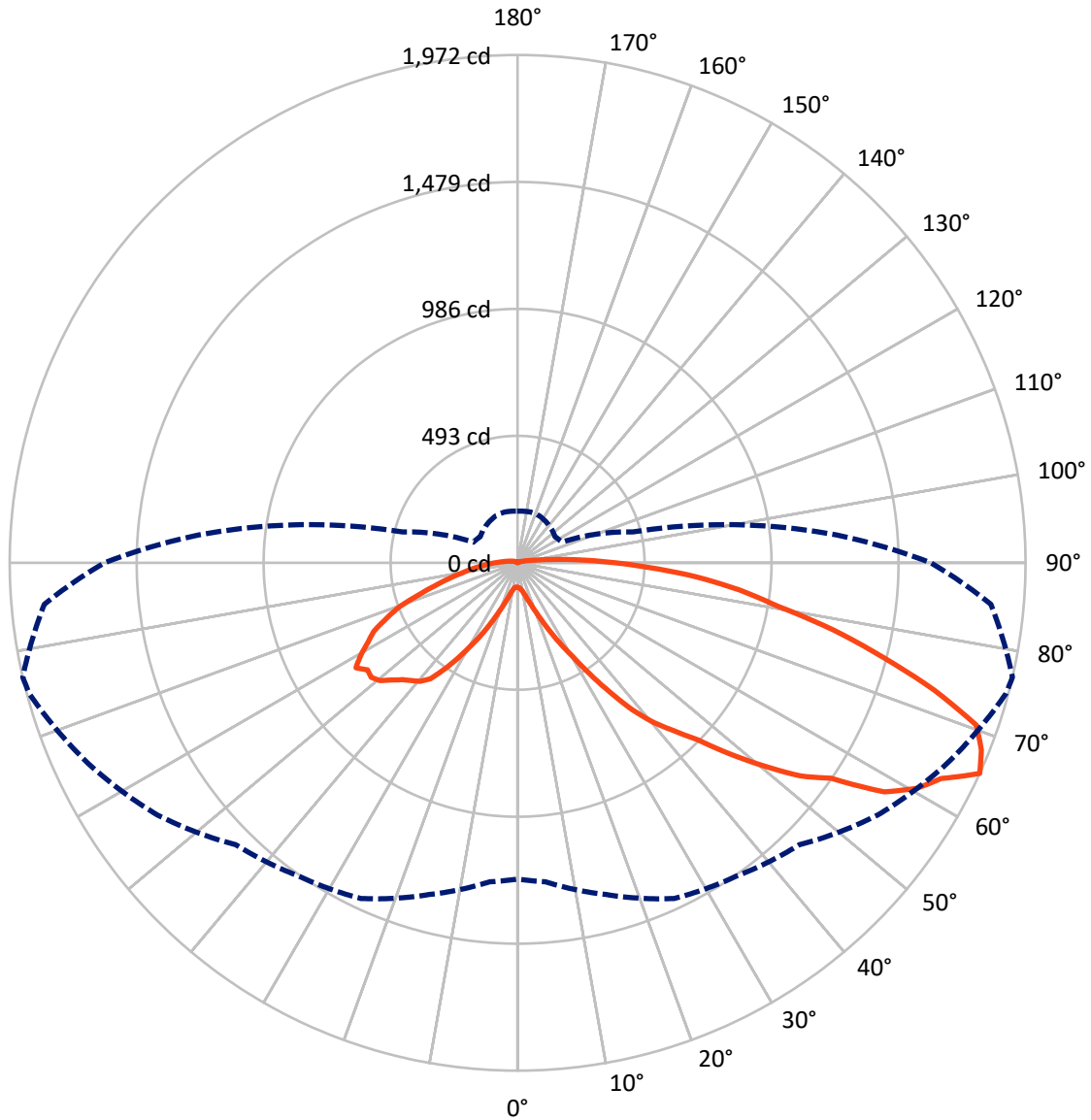
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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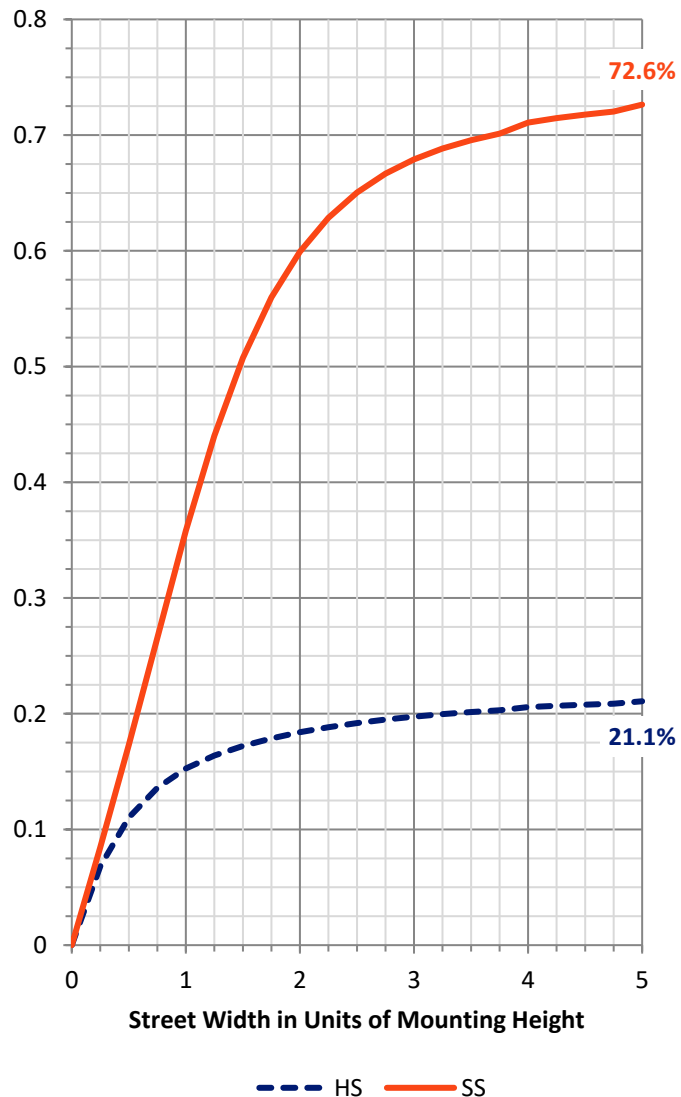
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	834.0	59.3	893.3
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2817.5	74.2	2891.6
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	3651.5	133.5	3785.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.8	0.3
10°-20°	41.4	1.1
20°-30°	121.5	3.2
30°-40°	290.8	7.7
40°-50°	523.7	13.8
50°-60°	796.5	21.0
60°-70°	939.6	24.8
70°-80°	647.5	17.1
80°-90°	280.7	7.4
90°-100°	81.9	2.2
100°-110°	25.7	0.7
110°-120°	12.0	0.3
120°-130°	7.1	0.2
130°-140°	4.3	0.1
140°-150°	1.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3651.5	96.5
0°-180°	3785.0	100.0

**Coefficient of Utilization**



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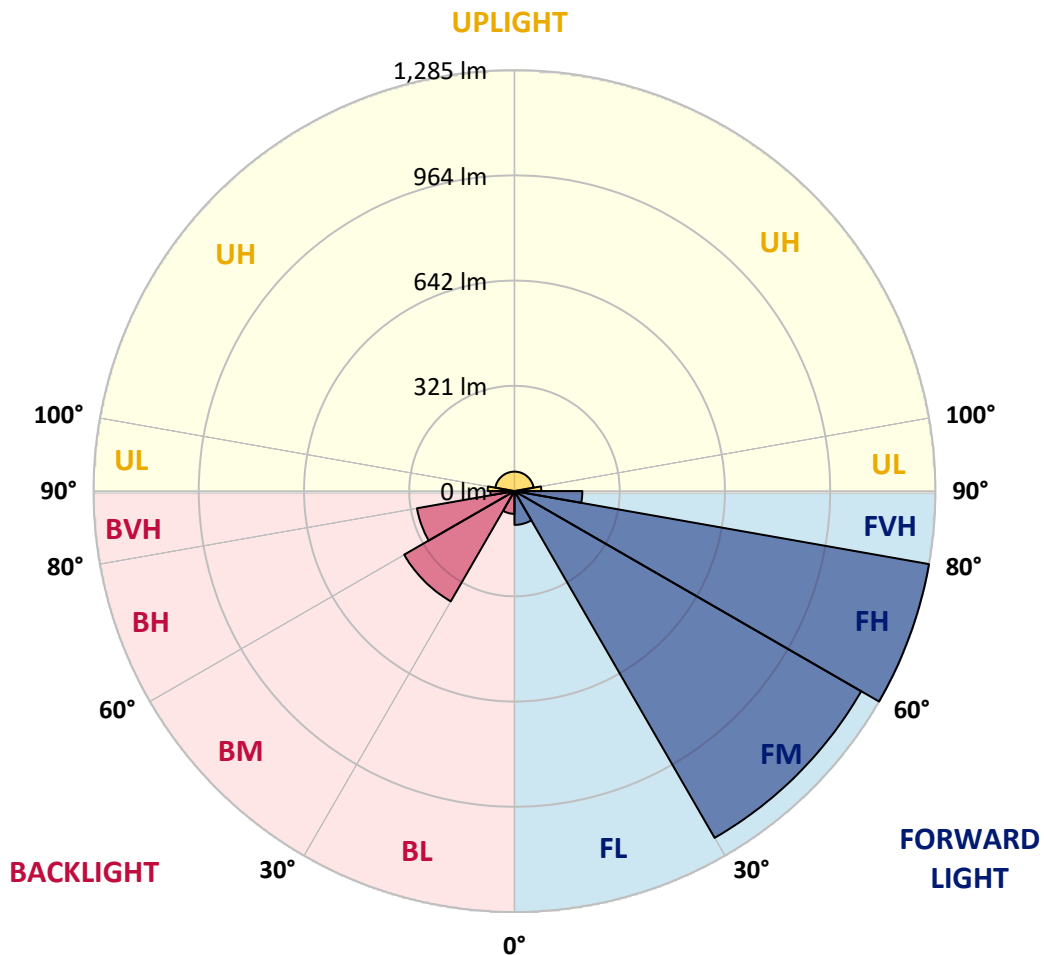
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.2	2.7			
FM (30°-60°)	1222.3	32.3			
FH (60°-80°)	1284.9	33.9			G1/1800
FVH (80°-90°)	207.1	5.5			G2/225
BL (0°-30°)	69.5	1.8	B0/110		
BM (30°-60°)	388.7	10.3	B1/1000		
BH (60°-80°)	302.2	8.0	B1/500		G1/500
BVH (80°-90°)	73.6	1.9			G1/100
UL (90°-100°)	81.9	2.2		U3/500	
UH (100°-180°)	59.3	1.6		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	102.2	101.8	101.8	102.2	101.4	100.5	99.2	97.9	96.6	96.6	95.7
5°	110.5	110.1	110.1	110.1	108.3	107.0	104.0	102.2	100.5	99.6	98.3
7.5°	121.4	120.1	120.5	120.1	117.5	114.9	111.8	108.3	106.2	105.7	103.1
10°	135.7	134.9	134.0	132.3	129.7	125.3	121.0	117.9	114.9	114.4	111.4
12.5°	156.2	155.3	153.6	149.7	144.0	138.8	134.4	131.0	129.2	128.3	125.3
15°	181.0	178.4	177.5	171.4	163.6	157.5	152.7	150.5	148.8	148.8	144.9
17.5°	210.1	210.1	205.8	197.5	187.5	180.1	175.3	171.4	172.7	172.3	170.1
20°	246.3	245.4	238.9	228.0	215.8	208.8	202.7	200.6	202.3	204.0	204.0
22.5°	298.5	296.3	286.3	269.7	251.9	240.6	236.2	235.8	242.8	244.9	247.6
25°	357.2	354.2	341.5	321.5	299.3	281.9	275.8	280.6	293.2	298.0	303.2
27.5°	428.1	426.4	407.2	379.8	353.3	330.7	323.7	338.5	355.5	357.2	367.6
30°	519.5	520.3	494.2	454.7	409.4	385.9	378.1	395.9	421.2	422.9	443.8
32.5°	625.2	625.2	586.0	538.2	479.9	446.8	439.4	468.1	507.7	513.8	533.8
35°	760.1	752.2	702.2	633.5	560.4	511.2	510.3	555.2	609.5	615.6	637.4
37.5°	881.0	885.8	834.9	745.3	646.5	590.0	597.4	654.4	723.1	724.8	748.3
40°	1012.0	1017.2	957.2	863.6	742.2	678.7	693.5	746.6	814.9	816.2	824.5
42.5°	1114.7	1128.1	1072.0	974.6	851.9	779.7	783.1	832.7	885.4	891.9	897.6
45°	1176.0	1186.0	1155.1	1077.2	948.5	880.6	872.3	912.8	981.5	979.8	988.1
47.5°	1272.6	1284.3	1236.9	1166.0	1057.2	973.3	962.8	1015.5	1099.9	1108.6	1100.7
50°	1372.7	1388.3	1354.0	1271.3	1159.0	1077.2	1078.5	1138.6	1236.9	1240.0	1244.7
52.5°	1442.7	1454.0	1440.5	1383.1	1263.9	1189.5	1201.2	1273.0	1369.6	1375.3	1356.1
55°	1453.6	1471.0	1481.9	1468.8	1378.7	1305.2	1335.2	1407.0	1472.3	1477.1	1462.3
57.5°	1450.1	1464.5	1487.5	1497.5	1452.3	1424.4	1463.2	1536.7	1662.4	1678.5	1671.1
60°	1446.2	1456.6	1504.5	1519.3	1493.6	1515.8	1577.6	1708.5	1777.7	1779.0	1711.6
62.5°	1337.4	1354.8	1444.9	1519.3	1512.3	1554.5	1689.8	1780.8	1835.6	1845.6	1781.2
65°	1228.2	1243.4	1333.9	1438.4	1484.5	1548.0	1707.2	1841.2	1963.1	1972.2	1844.7
67.5°	1070.3	1094.2	1193.0	1318.7	1375.3	1476.6	1661.5	1862.6	1938.3	1942.2	1796.4
70°	871.9	904.5	1015.9	1148.6	1216.5	1319.1	1559.3	1786.4	1892.1	1890.0	1716.4
72.5°	628.2	657.4	759.2	916.7	1022.9	1135.1	1372.2	1635.0	1695.0	1692.9	1460.1
75°	426.8	442.5	519.0	663.1	815.8	947.6	1182.1	1418.3	1469.2	1465.3	1250.8
77.5°	279.8	297.6	347.2	470.3	612.6	764.4	992.4	1187.3	1267.4	1253.0	1060.3
80°	171.4	181.4	222.3	317.6	464.2	616.9	820.5	1004.6	1045.9	1025.0	865.8
82.5°	107.0	114.9	144.0	209.7	333.3	476.4	673.1	845.8	891.9	868.4	712.2
85°	65.7	69.6	89.6	137.9	226.2	350.2	541.2	686.1	714.4	697.4	536.9
87.5°	47.9	48.7	61.3	93.1	152.7	250.6	398.5	516.9	537.3	506.0	376.3
90°	35.2	37.0	45.2	65.7	106.2	170.1	274.5	363.7	368.9	349.8	251.5
92.5°	26.5	27.4	33.9	46.6	73.1	116.2	183.2	243.6	238.9	225.4	156.2
95°	19.1	19.6	24.4	33.1	51.3	77.9	116.6	152.7	137.5	131.8	94.8
97.5°	15.7	16.1	19.6	25.7	37.9	54.8	75.3	90.9	80.9	77.4	60.9
100°	13.5	13.5	16.5	21.3	29.6	40.9	50.0	57.0	52.2	50.5	43.1
102.5°	12.2	12.2	14.4	17.8	24.4	32.2	37.0	39.2	36.5	35.2	31.8
105°	10.9	10.9	12.6	15.2	20.4	26.1	28.3	28.7	26.1	25.7	24.4
107.5°	10.0	10.0	11.3	13.5	17.4	21.8	22.6	21.3	20.0	19.1	19.1
110°	8.7	9.1	10.0	11.7	15.2	18.3	18.3	16.5	14.8	14.8	15.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	8.3	8.3	9.1	10.9	13.5	15.7	14.8	13.1	11.7	11.7	12.6
115°	7.4	7.4	8.3	10.0	12.2	13.5	12.6	10.9	9.6	10.0	10.9
117.5°	7.0	7.0	7.8	9.1	10.9	11.7	10.9	9.1	8.3	8.7	10.0
120°	7.0	7.0	7.8	8.7	10.0	10.4	9.6	7.8	7.4	7.4	8.7
122.5°	7.0	7.0	7.4	8.7	9.6	9.6	8.3	7.0	6.5	6.5	7.8
125°	7.0	7.0	7.8	8.7	8.7	8.7	7.4	6.1	5.7	6.1	7.0
127.5°	7.4	7.4	7.8	8.3	8.3	7.8	6.5	5.7	5.2	5.7	6.5
130°	7.4	7.4	7.8	8.3	7.8	7.0	6.1	5.2	5.2	5.2	6.5
132.5°	7.4	7.4	7.8	7.8	7.4	6.1	5.2	4.4	4.8	5.2	6.1
135°	7.0	7.0	7.0	7.0	6.5	5.7	4.4	3.9	4.4	4.8	5.7
137.5°	6.5	6.5	6.5	6.5	5.7	4.8	3.5	3.0	3.9	3.9	4.8
140°	5.7	5.7	6.1	5.7	5.2	3.9	3.0	2.2	3.0	3.0	3.9
142.5°	5.2	5.2	5.2	5.2	4.4	3.5	2.2	2.2	2.6	2.6	3.0
145°	4.4	4.4	4.8	4.4	3.5	2.6	1.7	1.7	2.2	2.2	2.6
147.5°	3.5	3.9	3.9	3.5	3.0	2.2	1.3	1.3	1.7	1.7	2.2
150°	3.0	3.0	3.0	3.0	2.2	1.3	0.9	1.3	1.7	1.7	1.7
152.5°	2.2	2.2	2.6	2.6	1.7	0.9	0.9	1.3	1.3	1.3	1.7
155°	1.7	1.7	2.2	1.7	1.3	0.4	0.9	0.9	1.3	1.3	1.3
157.5°	0.9	0.9	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.9	1.3
160°	0.4	0.4	1.3	1.3	0.9	0.4	0.4	0.4	0.9	0.9	0.9
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2.5°	95.3	94.4	94.0	93.1	92.2	91.4	91.4	91.4	90.9	90.5	90.9
5°	97.0	96.6	94.4	92.7	90.9	90.1	89.2	88.8	88.8	87.9	87.9
7.5°	101.8	100.1	97.0	94.0	92.2	90.5	89.2	88.8	88.3	87.4	87.4
10°	109.2	107.0	103.5	98.8	95.7	92.7	91.4	91.4	90.9	90.5	90.5
12.5°	123.1	120.5	114.4	107.9	101.8	97.5	96.6	97.9	100.5	100.9	100.9
15°	143.6	140.5	132.7	122.3	112.7	106.6	107.5	110.9	114.4	115.7	115.7
17.5°	168.8	165.3	154.0	138.8	126.2	120.5	120.1	124.9	129.7	132.3	132.3
20°	202.7	197.1	182.3	160.5	143.1	136.6	134.0	138.4	145.7	148.8	147.9
22.5°	244.9	238.4	217.5	184.5	162.7	151.0	147.5	152.3	161.4	165.3	164.9
25°	300.6	294.1	260.2	214.5	181.9	163.6	161.4	168.4	181.9	189.7	188.8
27.5°	365.5	354.6	309.3	248.0	200.6	174.0	174.5	186.2	200.1	208.8	208.0
30°	434.6	420.7	358.9	280.2	218.0	185.8	184.9	198.8	213.2	222.3	222.3
32.5°	526.0	505.6	416.4	311.1	231.5	194.9	191.9	207.5	222.3	231.9	231.5
35°	623.9	596.5	476.4	343.7	242.8	199.7	196.2	212.3	227.5	238.9	238.9
37.5°	736.1	689.6	532.5	366.3	250.6	202.3	197.5	215.8	234.5	246.3	245.4
40°	795.3	743.1	559.5	376.3	251.9	202.7	199.7	218.8	234.5	238.9	236.7
42.5°	861.4	794.0	570.8	364.2	247.1	201.9	201.0	215.8	222.8	221.5	220.1
45°	945.0	854.1	581.7	348.9	235.8	200.6	198.8	207.5	208.0	202.7	201.0
47.5°	1051.6	936.7	599.5	330.7	224.5	197.5	195.3	199.3	191.9	182.3	179.3
50°	1166.0	1032.4	621.7	315.0	214.1	193.6	191.4	190.1	182.7	173.2	171.4
52.5°	1265.6	1097.3	627.8	298.5	207.1	191.0	188.4	187.1	180.1	169.2	167.1
55°	1354.8	1152.5	606.5	273.7	201.4	189.3	188.4	188.4	181.0	169.7	167.5
57.5°	1531.0	1284.8	614.3	248.4	194.0	188.8	190.1	190.6	183.6	172.7	170.5
60°	1536.2	1259.5	568.6	230.6	187.5	188.8	191.9	192.7	188.0	180.6	179.3
62.5°	1586.3	1260.4	507.3	207.5	183.2	188.0	193.2	196.2	196.7	192.3	191.4
65°	1604.6	1242.1	462.9	189.3	177.1	185.8	193.6	201.0	203.6	201.4	200.6
67.5°	1534.5	1158.2	402.4	177.1	171.0	182.3	193.2	202.3	208.0	209.3	209.3
70°	1442.3	1063.8	348.5	165.3	164.5	177.5	190.1	202.3	210.1	213.6	213.6
72.5°	1208.2	873.6	287.6	153.1	155.8	170.1	183.6	198.4	207.1	210.1	208.8
75°	1010.7	719.2	236.7	142.7	147.1	161.0	174.5	188.8	194.9	196.7	195.3
77.5°	854.9	598.2	194.5	133.1	136.6	149.2	161.4	171.4	175.3	174.5	172.3
80°	689.2	466.8	159.7	121.4	124.9	134.9	143.6	151.4	155.3	153.1	151.8
82.5°	548.6	371.1	136.2	110.9	112.2	120.5	126.6	132.7	139.2	137.5	134.0
85°	405.9	273.2	115.7	99.6	99.6	105.7	108.8	114.4	123.6	123.1	121.8
87.5°	277.6	194.5	98.3	88.3	87.9	91.4	93.1	99.2	110.9	111.4	110.1
90°	182.7	133.1	82.2	76.6	75.7	78.3	79.6	84.8	94.4	95.3	93.5
92.5°	118.8	92.2	67.4	64.8	64.4	66.6	66.1	69.6	76.1	75.7	74.4
95°	76.1	64.4	54.8	53.5	52.2	54.8	53.9	54.8	58.3	57.4	57.4
97.5°	52.6	49.2	45.2	43.1	42.2	44.8	43.9	43.9	45.7	43.9	43.1
100°	40.5	39.2	37.4	35.7	33.9	36.1	36.1	36.1	37.4	34.8	33.9
102.5°	31.3	30.9	30.9	29.6	28.3	30.0	30.5	30.9	30.5	27.8	27.4
105°	24.8	24.8	25.7	24.4	23.9	25.2	25.7	25.2	25.2	23.1	23.1
107.5°	19.6	20.4	21.3	20.4	20.4	21.3	21.3	21.3	20.4	19.1	19.6
110°	16.1	17.0	18.3	17.4	17.4	18.3	17.8	17.4	17.0	16.5	16.5



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.9	14.4	15.2	14.8	15.2	15.7	15.2	14.4	14.4	14.4	14.8
115°	11.7	12.6	13.5	13.1	13.1	13.5	12.6	12.2	12.2	12.6	12.6
117.5°	10.4	11.3	11.7	11.7	11.3	11.7	10.9	10.4	10.9	11.3	11.3
120°	9.6	10.0	10.4	10.4	10.0	10.0	9.6	9.1	9.6	10.0	10.4
122.5°	8.7	9.1	9.1	9.6	9.1	8.7	8.3	8.3	8.7	9.1	9.1
125°	7.8	8.3	8.3	8.3	8.3	7.8	7.4	7.4	7.8	8.3	8.7
127.5°	7.0	7.4	7.4	7.8	7.4	7.0	6.5	7.0	7.4	7.8	7.8
130°	7.0	7.0	7.0	7.0	6.5	6.1	6.1	6.1	7.0	7.4	7.4
132.5°	6.5	7.0	6.5	6.5	6.1	5.2	5.2	5.7	6.5	7.0	7.0
135°	6.1	6.1	5.7	5.7	5.2	4.8	4.4	5.2	5.7	6.1	6.1
137.5°	5.2	5.2	4.8	4.4	4.4	3.9	3.9	4.4	5.2	5.7	5.7
140°	3.9	4.4	3.9	3.5	3.5	3.0	3.5	3.9	4.8	4.8	4.8
142.5°	3.0	3.5	3.0	2.6	2.6	2.6	2.6	3.5	4.4	4.4	4.4
145°	2.6	2.6	2.6	2.2	1.7	1.7	2.2	3.0	3.9	3.9	3.9
147.5°	2.2	2.2	2.2	1.7	1.3	1.3	1.7	2.6	3.0	3.0	3.0
150°	1.7	1.7	1.7	1.7	1.3	0.9	1.3	2.2	2.6	2.6	2.6
152.5°	1.7	1.7	1.7	1.3	0.9	0.4	0.9	1.7	2.2	2.2	2.2
155°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.3	0.9	0.4	0.0	0.4	1.3	1.7	1.3	1.3
160°	0.9	0.9	0.9	0.9	0.4	0.0	0.4	0.9	1.3	0.9	0.9
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)