

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: P415047

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-730-U-T2U-FL  
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: 4226 lumens  
Efficiency: N/A  
Efficacy: 105.7 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

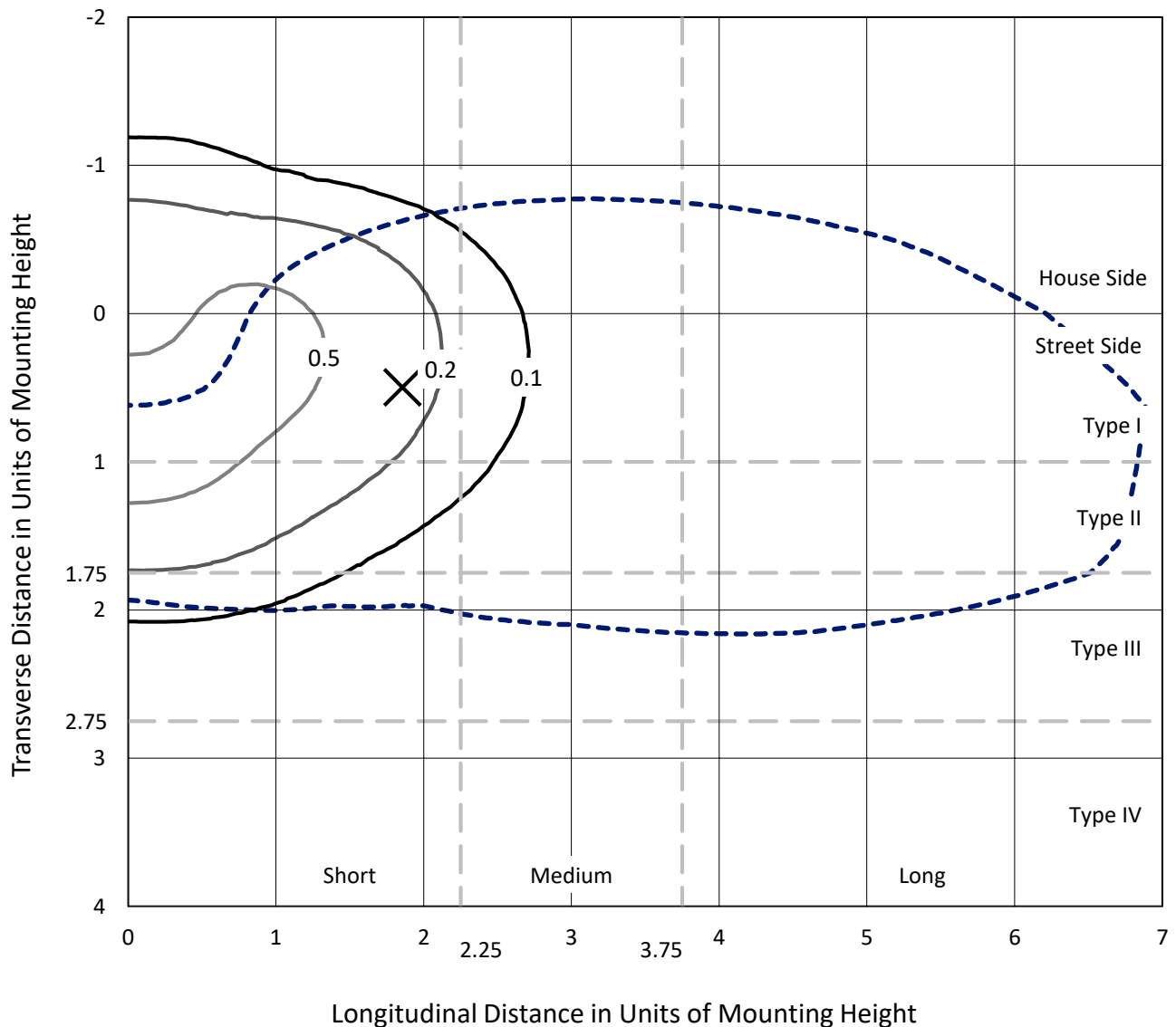


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

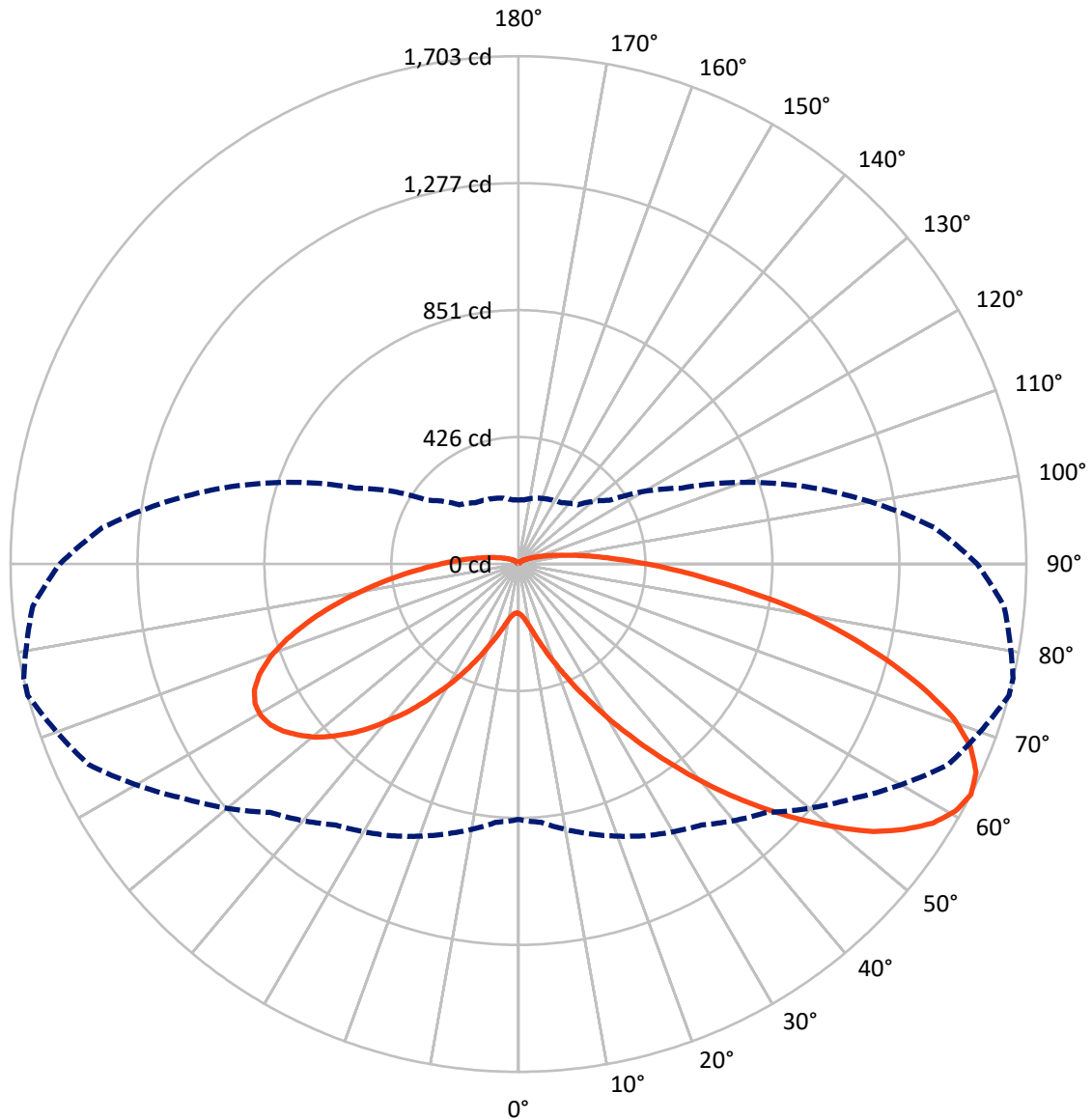


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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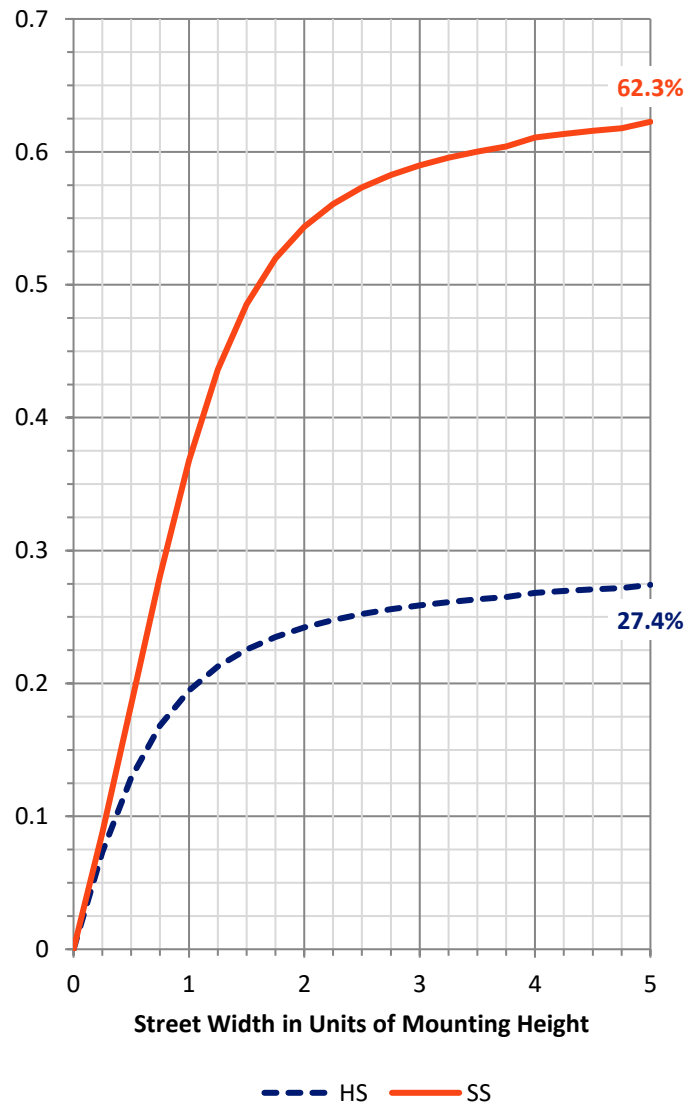
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1208.5	128.5	1337.1
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	2712.5	176.4	2889.0
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	3921.1	305.0	4226.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.5	0.4
10°-20°	73.5	1.7
20°-30°	190.3	4.5
30°-40°	389.4	9.2
40°-50°	645.8	15.3
50°-60°	837.7	19.8
60°-70°	825.1	19.5
70°-80°	606.3	14.3
80°-90°	335.5	7.9
90°-100°	158.5	3.7
100°-110°	75.7	1.8
110°-120°	38.6	0.9
120°-130°	20.0	0.5
130°-140°	9.2	0.2
140°-150°	2.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3921.1	92.8
0°-180°	4226.0	100.0



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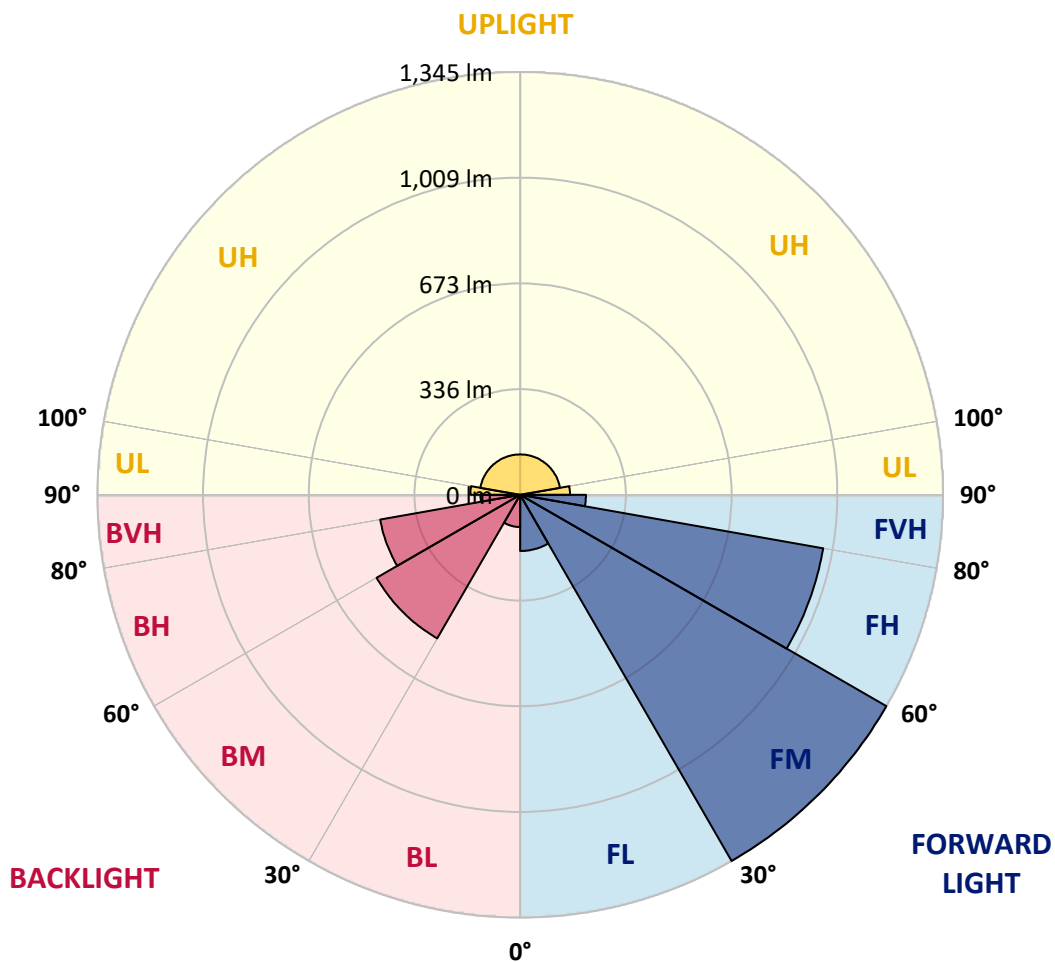
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.8	4.2			
FM	(30°-60°)	1345.3	31.8			
FH	(60°-80°)	979.3	23.2			G1/1800
FVH	(80°-90°)	209.1	4.9			G2/225
BL	(0°-30°)	102.5	2.4	B0/110		
BM	(30°-60°)	527.5	12.5	B1/1000		
BH	(60°-80°)	452.1	10.7	B1/500		G1/500
BVH	(80°-90°)	126.4	3.0			G2/225
UL	(90°-100°)	158.5	3.7		U3/500	
UH	(100°-180°)	128.5	3.0		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°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	185.0	183.5	182.5	181.0	180.0	178.0	176.0	173.0	170.5	170.0	168.0
5°	204.4	201.9	201.9	199.4	195.9	193.4	189.5	184.5	180.5	178.0	176.0
7.5°	229.3	227.3	224.9	222.9	219.4	214.9	209.4	202.9	194.9	193.4	188.5
10°	257.3	256.3	254.3	250.3	245.8	239.8	232.3	224.4	215.4	213.9	205.4
12.5°	294.2	294.2	291.2	285.7	279.2	268.2	261.7	253.3	242.8	241.3	229.3
15°	339.5	337.5	333.5	324.1	316.6	307.6	299.6	288.7	274.7	272.2	261.2
17.5°	389.4	385.4	383.4	374.4	364.5	353.5	342.5	330.5	315.1	311.1	298.1
20°	445.2	447.7	440.2	430.3	415.3	404.3	391.9	376.4	359.5	356.5	341.0
22.5°	515.5	513.5	503.1	489.1	474.6	462.7	446.7	431.3	408.3	405.3	387.4
25°	593.3	591.3	577.8	560.4	543.9	522.5	504.0	487.6	468.7	464.2	442.7
27.5°	669.6	679.5	659.1	637.7	618.2	594.3	572.4	551.4	530.0	526.5	504.0
30°	773.8	776.3	752.3	722.9	696.5	666.6	643.6	624.7	606.3	594.8	574.3
32.5°	882.5	874.5	855.5	819.6	777.8	744.4	718.9	701.5	684.0	678.0	648.1
35°	990.2	990.2	960.7	912.4	857.5	823.6	798.7	788.2	772.3	762.8	729.4
37.5°	1095.8	1094.4	1064.4	1007.6	951.3	904.9	888.9	877.0	866.0	856.5	815.7
40°	1200.0	1197.6	1161.7	1106.3	1040.5	992.6	979.7	981.7	968.7	955.7	914.9
42.5°	1283.8	1282.8	1254.4	1199.0	1120.3	1077.9	1064.9	1076.9	1070.9	1058.5	1010.6
45°	1350.6	1346.1	1323.7	1267.4	1196.1	1151.2	1154.7	1183.6	1176.6	1170.6	1111.3
47.5°	1378.5	1378.0	1365.6	1316.7	1250.9	1219.5	1239.4	1279.8	1282.3	1277.3	1211.0
50°	1371.1	1373.0	1372.1	1342.1	1288.3	1272.3	1310.7	1379.5	1387.5	1382.5	1314.2
52.5°	1327.2	1328.2	1344.6	1331.7	1301.3	1305.7	1374.0	1462.3	1490.2	1476.8	1405.5
55°	1234.4	1246.9	1279.3	1286.8	1282.8	1313.2	1411.9	1528.1	1570.5	1566.0	1484.7
57.5°	1138.7	1132.7	1179.1	1215.0	1235.9	1293.3	1424.4	1575.0	1638.8	1632.8	1555.5
60°	999.1	1008.1	1064.9	1116.3	1160.7	1245.4	1412.9	1599.9	1683.2	1679.7	1607.4
62.5°	856.5	869.5	936.8	1005.1	1068.4	1177.6	1370.1	1590.4	1702.6	1702.1	1634.8
65°	722.4	736.4	798.2	881.0	961.7	1085.9	1295.3	1550.0	1686.1	1687.1	1629.8
67.5°	603.3	610.7	675.6	766.8	845.6	978.2	1199.0	1470.3	1634.3	1639.8	1589.9
70°	497.1	502.6	565.4	646.6	737.9	858.0	1082.4	1368.1	1547.5	1549.5	1518.1
72.5°	407.8	412.8	473.1	545.4	629.7	752.8	962.2	1228.5	1416.9	1436.9	1407.4
75°	326.1	336.0	387.9	458.2	533.5	643.1	835.1	1078.4	1270.3	1287.3	1282.8
77.5°	265.7	279.2	320.6	380.9	450.2	545.4	708.0	930.3	1115.3	1129.3	1132.7
80°	214.4	224.4	265.7	319.1	377.9	460.7	591.8	785.7	959.2	960.7	959.2
82.5°	174.0	181.5	218.4	266.7	318.6	387.4	496.1	655.6	786.7	802.7	805.7
85°	141.6	147.1	179.0	222.4	266.2	324.6	409.3	535.5	639.2	655.6	650.1
87.5°	113.7	121.2	146.6	183.5	224.4	270.7	340.5	433.3	516.0	523.0	522.0
90°	93.2	95.7	121.2	152.6	189.5	224.9	278.2	349.0	410.8	423.3	414.8
92.5°	75.3	79.3	100.7	129.1	158.0	189.0	230.8	286.7	325.1	332.5	328.6
95°	63.3	65.3	84.8	108.2	133.1	161.0	190.5	228.8	257.3	259.8	260.7
97.5°	52.8	54.8	70.8	92.2	113.7	136.1	158.5	187.0	205.9	205.4	203.9
100°	45.4	46.4	60.8	80.3	99.2	115.7	133.1	150.6	162.0	165.5	160.0
102.5°	39.4	39.9	52.3	69.3	85.3	99.7	112.7	125.1	129.6	130.1	127.6
105°	34.9	35.4	45.9	59.8	74.3	85.3	95.2	102.7	104.7	104.7	101.7
107.5°	30.9	31.4	39.4	52.8	65.8	74.8	81.8	85.8	84.8	84.3	82.3
110°	28.4	28.4	34.9	46.9	57.3	65.3	70.8	71.3	68.8	68.8	66.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	25.9	25.9	30.9	41.4	50.9	57.8	61.3	60.3	56.8	55.8	55.8
115°	23.9	23.9	27.4	36.4	45.4	50.9	53.3	50.9	46.9	46.4	45.9
117.5°	22.4	22.4	24.9	32.4	39.9	44.9	46.4	43.9	39.4	38.9	38.9
120°	20.9	20.9	22.9	28.4	35.4	39.4	40.4	37.4	32.9	32.9	33.4
122.5°	19.9	19.9	20.9	25.4	31.4	34.9	34.9	31.9	27.9	27.9	28.4
125°	18.9	18.9	19.4	22.4	27.4	30.4	29.9	26.4	23.9	23.9	24.4
127.5°	17.9	17.9	17.9	19.9	23.9	26.4	25.9	22.4	20.4	20.4	21.4
130°	17.0	17.0	16.5	17.4	20.4	22.4	21.4	18.9	17.4	17.4	18.4
132.5°	16.0	16.0	15.0	15.5	17.4	18.4	17.4	15.5	15.0	15.0	15.5
135°	15.0	14.5	14.0	13.5	14.5	15.0	14.0	12.5	12.5	12.5	13.5
137.5°	13.5	13.5	12.5	11.5	11.5	11.5	11.0	9.5	10.0	10.5	11.0
140°	12.5	12.5	11.5	10.0	9.0	9.0	8.0	7.5	8.0	8.5	9.0
142.5°	11.0	11.0	10.0	8.5	7.0	6.0	5.5	5.0	6.0	6.5	6.5
145°	9.5	9.5	8.5	6.5	5.0	3.5	3.0	3.5	4.0	4.5	5.0
147.5°	8.0	7.5	6.5	5.0	2.5	1.5	1.0	2.0	2.5	2.5	3.0
150°	6.0	6.0	5.0	3.5	1.5	0.0	0.5	1.0	1.5	1.5	2.0
152.5°	4.5	4.0	3.5	2.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
155°	2.5	2.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	167.0	165.5	163.5	162.0	160.5	158.5	157.5	156.1	156.1	156.1	157.0
5°	173.0	171.0	166.5	162.5	158.5	155.6	152.6	150.6	149.6	148.6	149.1
7.5°	184.0	181.5	174.5	167.5	162.0	156.5	152.6	149.1	147.6	147.1	147.1
10°	200.9	196.4	186.0	176.5	168.5	161.0	155.6	151.1	149.1	147.6	147.6
12.5°	223.9	217.4	204.9	191.9	180.0	170.0	162.0	158.5	157.0	156.1	156.5
15°	254.3	247.3	228.3	211.4	195.9	182.5	175.0	171.5	169.5	168.5	168.0
17.5°	289.7	279.7	256.8	234.8	215.4	200.4	191.0	185.5	182.0	180.0	180.5
20°	328.6	315.6	286.2	262.2	237.3	222.4	207.9	198.9	194.4	193.4	193.9
22.5°	372.4	359.0	325.1	290.2	264.2	241.8	224.4	212.9	207.4	206.9	206.9
25°	424.3	406.3	366.4	322.6	289.2	260.7	240.3	226.3	220.4	218.4	218.4
27.5°	483.1	459.2	409.8	359.5	313.6	277.7	253.8	237.8	231.3	229.8	229.8
30°	547.9	523.0	460.2	394.4	337.0	292.7	265.7	248.8	240.3	238.3	238.8
32.5°	619.2	586.8	507.5	431.8	357.5	304.6	273.7	256.8	247.3	244.8	244.8
35°	696.5	658.6	563.9	468.2	376.9	314.1	279.7	262.2	251.8	249.3	248.8
37.5°	783.2	735.9	622.2	501.6	392.4	320.1	283.7	265.7	254.3	250.8	250.3
40°	874.0	819.6	676.1	532.0	405.3	323.6	284.7	267.2	255.3	249.8	249.3
42.5°	958.7	898.9	737.4	559.9	413.3	325.1	284.2	266.7	254.3	246.8	246.3
45°	1052.5	979.2	793.7	585.3	418.3	324.1	282.2	264.2	252.3	242.8	241.8
47.5°	1150.7	1066.4	845.6	603.8	420.3	321.1	279.7	262.2	248.8	238.3	237.3
50°	1239.4	1141.2	893.9	618.2	419.3	316.6	275.7	259.3	245.8	233.8	232.8
52.5°	1326.2	1219.5	931.8	626.2	414.3	311.6	272.2	255.8	242.3	229.8	228.3
55°	1405.0	1281.3	965.7	629.7	407.8	305.1	267.2	252.8	239.3	225.9	224.4
57.5°	1465.8	1339.6	990.6	625.2	397.9	297.6	262.2	248.3	235.8	222.4	220.9
60°	1510.7	1378.0	1002.1	616.7	386.4	289.2	256.3	243.8	232.3	219.4	217.9
62.5°	1537.6	1399.5	999.6	601.8	371.9	280.7	250.8	239.3	228.8	215.9	214.9
65°	1533.1	1391.0	980.7	577.8	356.5	269.7	242.3	233.3	223.9	211.9	210.4
67.5°	1496.7	1356.6	942.3	547.9	339.0	258.8	234.3	225.4	217.4	206.9	203.9
70°	1431.9	1293.3	886.9	510.5	319.1	246.3	224.9	216.4	209.4	199.4	196.4
72.5°	1322.7	1201.0	816.6	471.6	297.6	231.8	212.4	205.4	197.9	190.0	186.5
75°	1198.1	1085.4	733.9	425.8	274.7	217.4	199.4	192.4	185.5	177.0	174.0
77.5°	1062.4	954.3	648.1	385.4	251.3	200.9	185.0	179.0	172.0	163.0	159.5
80°	900.4	814.2	556.9	339.0	227.8	185.0	170.0	163.5	156.1	147.6	144.1
82.5°	754.3	678.0	472.6	297.1	204.4	168.5	155.6	146.1	139.1	130.6	124.6
85°	616.7	563.4	396.4	255.3	182.5	151.6	138.6	130.6	122.6	112.7	108.7
87.5°	496.1	450.7	325.6	220.4	161.0	135.1	123.1	115.2	106.2	95.7	92.2
90°	392.4	364.5	270.7	189.5	142.6	121.2	109.2	100.7	90.7	81.3	79.3
92.5°	311.1	291.7	223.9	161.0	125.6	107.2	96.2	87.7	77.8	68.3	65.3
95°	250.3	231.3	183.5	140.6	110.2	94.2	84.8	76.8	66.8	57.3	55.3
97.5°	199.9	185.0	150.6	118.2	96.7	83.8	75.3	66.8	56.8	48.4	47.4
100°	156.5	147.6	124.6	101.7	85.3	74.3	66.3	58.8	48.9	40.4	39.9
102.5°	125.1	120.2	103.7	87.7	74.8	65.8	59.3	51.4	42.4	34.4	33.9
105°	100.7	97.7	86.3	75.3	66.3	58.8	52.8	44.9	35.9	29.4	29.4
107.5°	81.8	79.3	72.3	64.3	58.3	52.8	46.4	39.4	30.9	25.4	25.4
110°	66.8	65.8	61.3	55.8	51.4	46.9	40.9	33.9	26.4	22.4	22.4



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	55.8	55.3	51.9	48.9	45.4	41.4	36.4	29.9	22.9	19.4	19.9
115°	46.4	46.4	44.4	42.4	39.9	36.9	31.9	25.4	19.4	17.4	17.4
117.5°	39.4	38.9	38.4	36.9	35.4	32.4	27.4	21.9	16.5	15.5	16.0
120°	33.9	33.9	32.9	32.4	30.9	27.9	23.9	18.4	14.0	14.0	14.0
122.5°	28.9	29.4	28.4	27.9	26.9	24.9	20.4	15.5	12.5	12.0	12.5
125°	25.4	25.4	24.9	24.4	23.4	20.9	17.4	13.0	10.5	11.0	11.0
127.5°	21.4	21.9	21.4	20.9	20.4	17.9	14.5	10.5	9.0	9.5	9.5
130°	18.9	18.9	18.4	17.9	17.0	15.0	12.0	8.5	8.0	8.5	8.5
132.5°	16.0	16.0	16.0	15.0	14.0	12.5	9.5	7.0	6.5	7.5	7.5
135°	13.5	13.5	13.5	12.5	11.5	9.5	7.0	5.5	5.5	6.5	6.5
137.5°	11.0	11.5	11.0	10.0	9.0	7.5	5.5	4.0	4.5	5.5	5.5
140°	9.0	9.0	8.5	8.0	6.5	5.0	3.5	3.0	4.0	4.5	4.5
142.5°	7.0	7.0	6.5	5.5	4.5	3.5	2.0	2.0	3.0	3.5	3.5
145°	5.0	5.0	4.5	3.5	2.5	1.5	0.5	1.0	2.0	2.5	2.5
147.5°	3.0	3.0	3.0	2.5	1.5	0.5	0.0	0.5	1.0	1.5	1.5
150°	2.0	2.0	2.0	1.5	1.0	0.0	0.0	0.0	0.5	1.0	1.0
152.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)