

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: P414611

Luminaire Tested: **LXF.LXT-PA1-30-730-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-730-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3284 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

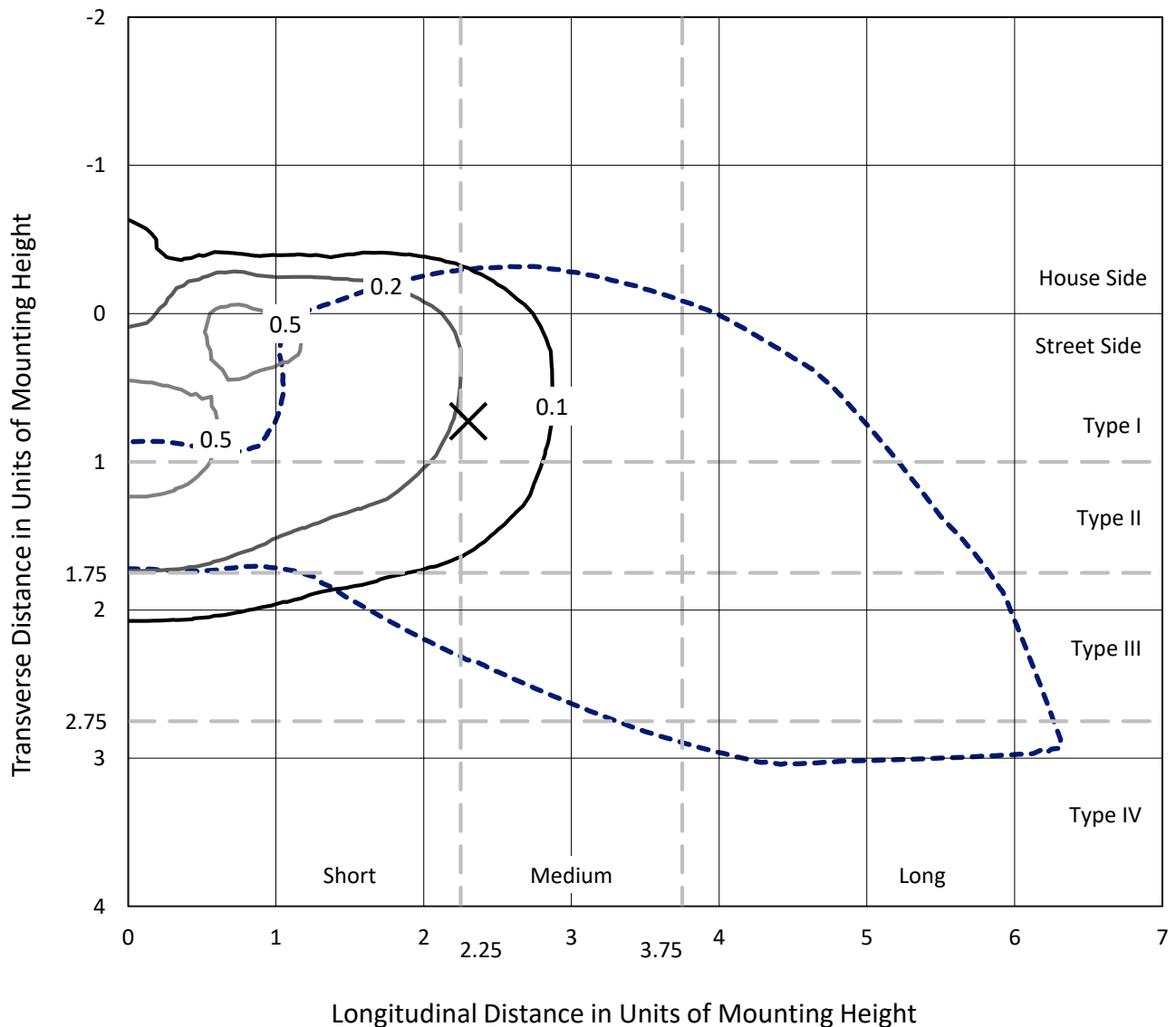
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

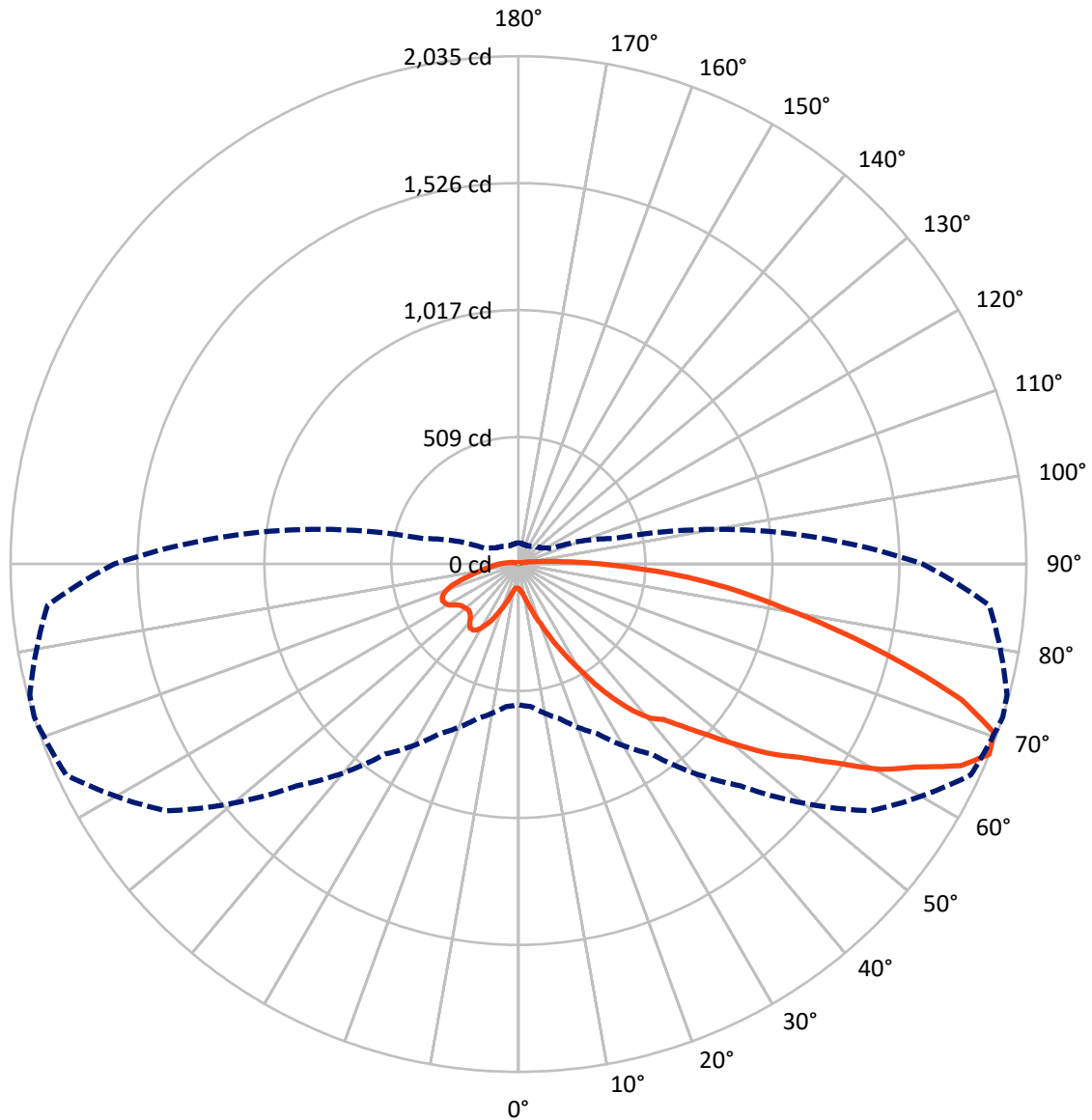
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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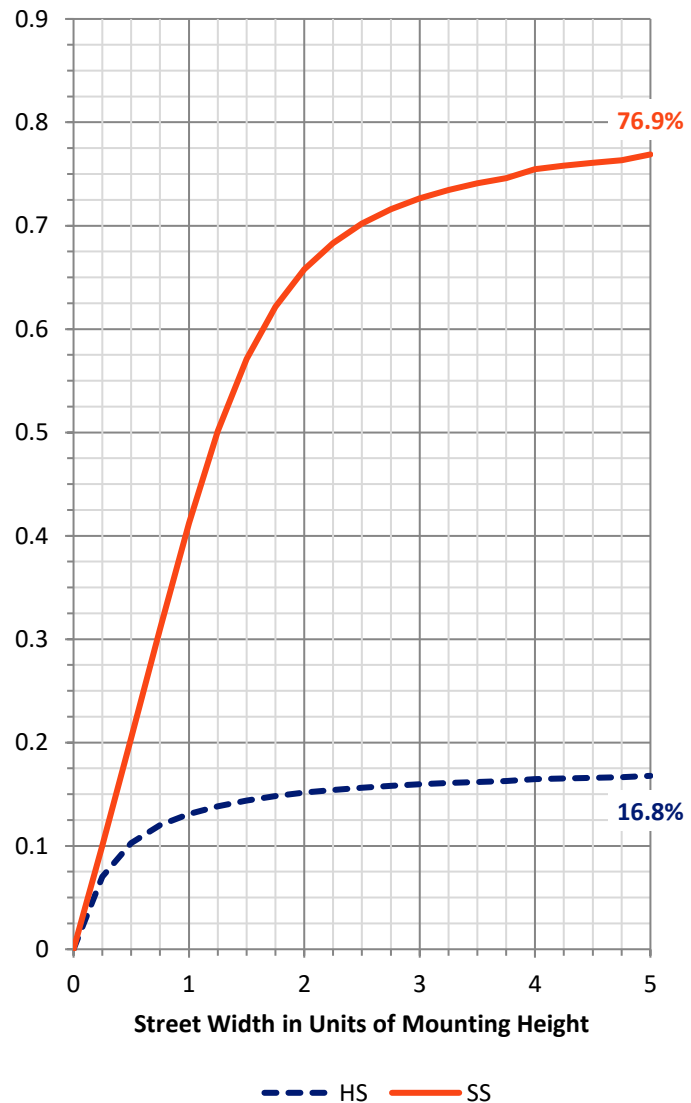
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	574.6	50.5	625.1
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	2587.5	71.4	2658.9
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	3162.1	122.0	3284.0
	% Fixture	96.3	3.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.3	0.3
10°-20°	44.3	1.3
20°-30°	122.8	3.7
30°-40°	264.1	8.0
40°-50°	447.0	13.6
50°-60°	655.8	20.0
60°-70°	782.1	23.8
70°-80°	584.1	17.8
80°-90°	251.5	7.7
90°-100°	73.0	2.2
100°-110°	23.8	0.7
110°-120°	11.1	0.3
120°-130°	6.8	0.2
130°-140°	4.4	0.1
140°-150°	1.9	0.1
150°-160°	0.7	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3162.1	96.3
0°-180°	3284.0	100.0



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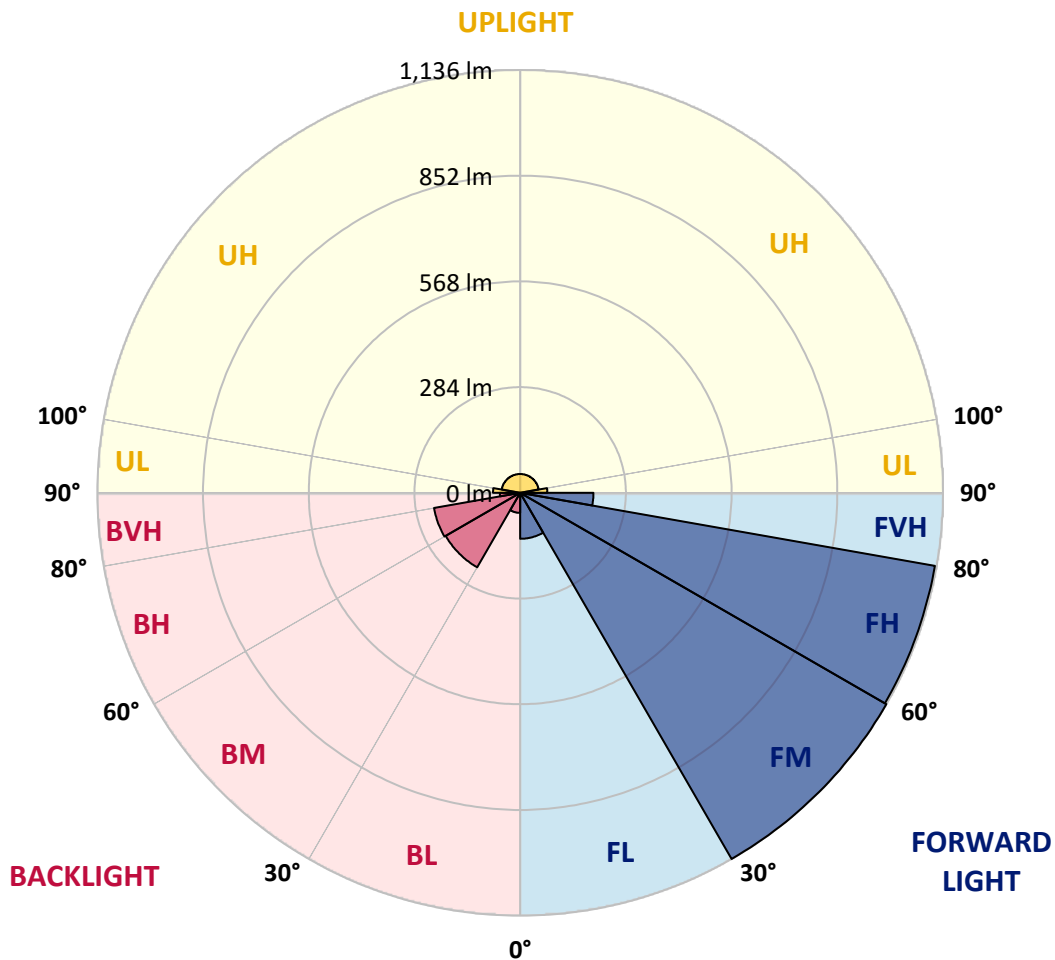
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.6	3.8			
FM	(30°-60°)	1135.8	34.6			
FH	(60°-80°)	1131.3	34.4			G1/1800
FVH	(80°-90°)	196.8	6.0			G2/225
BL	(0°-30°)	53.8	1.6	B0/110		
BM	(30°-60°)	231.1	7.0	B1/1000		
BH	(60°-80°)	234.9	7.2	B1/500		G1/500
BVH	(80°-90°)	54.8	1.7			G1/100
UL	(90°-100°)	73.0	2.2		U3/500	
UH	(100°-180°)	50.5	1.5		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2.5°	107.8	108.6	109.3	109.0	108.6	107.4	105.5	103.6	101.6	101.6	100.1
5°	123.2	122.8	122.4	122.8	120.9	118.2	115.1	111.7	109.0	108.2	104.3
7.5°	140.9	140.2	140.9	138.6	135.9	132.5	127.8	123.2	118.6	117.8	111.7
10°	162.1	161.3	160.9	159.0	154.0	149.0	144.4	137.1	133.6	132.5	124.4
12.5°	188.7	188.3	186.0	182.1	175.6	170.6	164.0	160.2	156.7	154.0	145.9
15°	219.1	219.9	217.2	209.1	201.0	193.3	190.2	187.1	184.4	183.3	176.3
17.5°	261.8	260.3	254.1	241.8	228.7	222.5	219.9	217.9	220.6	219.9	209.1
20°	314.6	310.7	301.1	279.9	263.7	253.7	251.4	254.9	256.4	260.3	253.0
22.5°	376.6	371.6	355.4	331.5	308.0	289.2	286.8	297.2	306.9	308.0	304.9
25°	437.0	432.4	418.1	387.0	355.4	330.4	325.0	348.1	367.3	370.8	375.0
27.5°	499.0	496.7	475.9	442.0	407.4	375.8	375.0	400.0	430.1	438.2	445.5
30°	569.5	574.8	548.7	505.9	462.4	425.8	423.9	460.9	497.8	515.2	527.5
32.5°	668.8	664.2	631.4	583.7	519.0	476.3	479.0	522.1	584.5	599.1	615.3
35°	782.8	784.3	739.6	665.3	589.1	536.3	534.4	594.5	666.9	679.2	706.1
37.5°	876.3	884.0	850.9	765.4	667.6	599.5	602.2	669.6	745.8	770.4	793.9
40°	976.8	983.8	945.2	862.1	753.1	669.2	673.0	738.5	811.3	831.3	837.1
42.5°	1086.6	1093.5	1046.9	948.3	825.1	753.1	738.1	788.2	851.7	876.7	881.7
45°	1189.4	1201.3	1154.3	1038.4	905.6	828.6	805.9	846.3	929.5	952.6	958.0
47.5°	1220.9	1235.2	1214.8	1120.1	982.6	893.7	878.6	934.9	1024.6	1058.8	1051.9
50°	1251.3	1264.4	1252.1	1168.2	1046.5	969.1	972.6	1038.0	1139.7	1183.6	1178.2
52.5°	1256.0	1269.4	1256.7	1197.8	1101.2	1045.4	1083.9	1161.3	1262.1	1294.1	1286.4
55°	1263.7	1272.5	1261.0	1194.4	1140.8	1126.6	1199.4	1287.5	1367.6	1405.7	1393.0
57.5°	1156.6	1160.1	1202.1	1184.4	1149.3	1216.7	1329.5	1409.2	1503.5	1560.5	1554.0
60°	1002.6	1009.9	1061.9	1102.7	1143.5	1281.0	1457.3	1577.9	1670.3	1707.6	1672.2
62.5°	875.9	884.0	938.7	991.1	1094.6	1309.5	1590.9	1728.8	1789.6	1823.5	1781.5
65°	705.8	711.9	778.5	881.3	1014.9	1298.3	1691.1	1885.9	1947.1	1960.6	1879.3
67.5°	564.1	573.3	641.1	750.8	929.5	1256.0	1723.8	1999.1	2034.5	2026.4	1893.6
70°	419.7	424.3	507.1	646.5	828.2	1163.6	1692.6	2024.5	2019.1	2008.7	1826.6
72.5°	289.2	288.4	366.2	502.1	722.7	1058.1	1547.4	1880.9	1855.5	1828.5	1597.9
75°	186.7	197.1	245.6	365.0	584.5	905.6	1359.5	1633.3	1590.2	1547.4	1316.4
77.5°	125.9	133.2	172.5	261.4	446.6	761.6	1170.1	1402.7	1330.7	1291.8	1062.7
80°	86.6	89.7	119.7	192.1	332.3	604.1	958.3	1160.9	1082.3	1036.1	824.7
82.5°	60.8	63.1	83.6	141.7	250.3	451.3	765.1	965.7	883.3	849.8	640.7
85°	43.9	45.4	60.1	105.5	190.2	338.8	582.2	751.2	679.6	653.8	457.8
87.5°	32.7	34.3	45.4	78.2	146.3	257.6	434.3	537.9	460.9	427.4	289.2
90°	24.3	25.8	35.0	58.5	114.4	194.1	314.6	367.7	299.2	271.1	184.4
92.5°	18.1	19.3	26.2	42.7	87.4	148.6	221.8	232.6	177.1	161.3	116.3
95°	13.5	14.2	19.6	31.2	62.4	108.2	145.2	135.9	104.3	94.7	73.5
97.5°	11.2	11.6	15.4	23.9	43.9	75.9	93.2	83.6	67.4	62.8	50.8
100°	9.2	9.6	12.3	18.1	32.0	52.0	61.6	54.3	47.0	45.0	39.7
102.5°	8.1	8.5	10.4	15.0	23.9	37.3	42.7	38.9	34.7	33.1	30.8
105°	7.3	7.3	9.2	12.7	19.6	28.1	31.2	28.5	25.8	25.0	24.6
107.5°	6.5	6.5	8.1	11.2	16.2	21.9	23.5	21.2	18.9	18.5	19.6
110°	6.2	6.2	7.3	10.0	13.9	18.1	18.5	15.8	14.2	14.2	15.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	5.8	5.8	6.9	8.9	12.3	15.0	14.6	12.3	11.2	11.2	13.1
115°	5.8	5.8	6.5	8.5	10.8	12.7	11.9	10.0	9.2	9.2	11.2
117.5°	5.8	6.2	6.5	8.1	10.0	11.2	10.4	8.5	8.1	8.1	10.0
120°	6.2	6.2	6.5	8.1	9.2	9.6	8.9	7.3	6.9	7.3	9.2
122.5°	6.2	6.2	6.9	8.1	8.9	8.9	7.7	6.5	6.5	6.5	8.5
125°	6.5	6.5	6.9	8.1	8.5	8.1	6.9	6.2	6.2	6.5	7.7
127.5°	6.9	6.9	7.3	8.1	8.1	7.3	6.5	5.8	5.8	6.2	7.7
130°	7.7	7.7	7.7	8.1	7.3	6.5	5.8	5.4	5.8	6.2	7.7
132.5°	7.7	7.7	7.7	7.7	6.9	5.8	5.4	5.0	5.8	6.2	7.3
135°	6.9	6.9	6.9	6.9	6.2	5.0	4.6	4.6	5.4	5.8	6.9
137.5°	6.2	6.2	6.2	5.8	5.4	4.6	3.9	3.9	4.6	5.0	6.2
140°	5.4	5.4	5.0	5.0	4.6	3.9	3.5	3.5	3.9	4.2	5.0
142.5°	4.2	4.2	4.2	4.2	3.9	3.1	2.7	2.7	3.5	3.9	4.2
145°	3.5	3.5	3.5	3.5	3.1	2.7	2.3	2.3	2.7	3.1	3.5
147.5°	2.7	2.7	3.1	3.1	2.7	2.3	1.5	1.9	2.3	2.3	2.7
150°	2.3	2.3	2.3	2.7	1.9	1.5	1.2	1.5	1.9	1.9	2.3
152.5°	1.9	1.9	1.9	1.9	1.5	0.8	1.2	1.5	1.5	1.9	1.9
155°	1.2	1.2	1.5	1.5	1.2	0.8	1.2	1.2	1.5	1.5	1.9
157.5°	0.8	0.8	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2	1.5
160°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
162.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
165°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
167.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
170°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
172.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
175°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
177.5°	0.0	0.4	0.8	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2.5°	99.0	98.2	96.6	95.1	93.6	92.0	91.6	90.9	90.5	90.1	90.5
5°	102.8	100.5	97.0	93.6	90.5	87.8	85.9	83.9	82.4	81.6	81.6
7.5°	109.7	105.9	100.1	94.3	88.9	84.3	81.2	78.5	76.6	75.9	75.5
10°	120.5	115.9	107.4	98.2	90.1	83.2	78.5	75.5	73.5	72.4	72.4
12.5°	139.4	134.0	120.5	106.3	93.2	83.6	77.4	74.3	72.4	72.0	72.4
15°	169.0	160.6	140.9	120.5	100.5	84.3	76.6	75.5	76.2	76.6	76.6
17.5°	203.7	192.1	167.1	136.3	108.6	87.8	79.7	78.9	80.1	81.2	82.0
20°	242.6	227.6	191.4	151.3	114.0	92.8	82.8	81.2	83.9	86.2	85.9
22.5°	291.9	273.8	222.2	162.9	117.8	93.9	83.9	82.4	87.0	89.7	90.5
25°	356.5	330.7	258.4	175.2	120.1	92.4	83.2	83.6	90.5	95.9	97.0
27.5°	427.0	389.7	291.9	185.2	120.1	88.6	82.0	86.6	96.3	103.2	104.0
30°	504.0	452.0	321.1	192.9	116.7	84.7	80.9	88.2	97.8	105.1	105.9
32.5°	586.0	516.7	351.5	195.6	111.7	81.6	79.7	87.0	95.1	101.6	103.2
35°	658.8	574.5	363.5	191.7	104.7	79.3	77.0	83.2	91.3	99.3	99.7
37.5°	734.6	629.5	368.9	181.0	97.8	77.0	74.7	80.5	90.1	99.7	100.9
40°	767.0	643.8	353.5	165.9	91.3	75.5	73.5	80.1	90.5	100.1	101.6
42.5°	800.1	657.6	334.6	144.4	87.0	75.1	74.7	80.1	88.6	96.3	97.4
45°	856.7	688.4	326.1	129.8	84.7	76.2	75.9	78.9	85.1	92.0	94.3
47.5°	937.5	735.0	321.9	120.5	84.7	78.2	77.0	77.8	81.6	87.8	89.7
50°	1041.1	799.7	327.3	115.5	86.6	80.9	78.5	77.4	78.9	85.5	87.8
52.5°	1128.1	861.7	333.8	114.7	89.7	84.3	80.9	77.4	78.5	86.2	88.9
55°	1219.4	920.6	341.1	116.7	93.6	87.0	82.4	78.2	78.9	86.2	89.3
57.5°	1351.8	1020.7	360.0	120.9	97.4	90.1	84.3	79.3	78.5	84.3	86.6
60°	1472.7	1116.2	388.1	129.0	102.0	93.2	86.2	80.1	78.2	82.0	83.6
62.5°	1545.9	1167.8	398.9	136.7	106.7	95.9	87.0	80.1	79.3	82.8	83.9
65°	1621.4	1217.1	403.1	142.8	109.3	97.4	87.0	80.9	80.9	83.2	83.6
67.5°	1618.7	1206.3	393.1	145.9	111.7	98.2	87.0	80.9	81.6	83.9	84.3
70°	1547.8	1144.3	368.1	145.5	111.3	97.0	85.5	80.5	83.6	86.2	86.6
72.5°	1339.9	983.8	327.7	140.9	107.8	93.9	83.2	79.7	84.3	88.2	88.2
75°	1099.3	801.2	270.7	132.1	103.6	90.1	79.7	77.0	82.8	88.2	88.2
77.5°	865.9	627.2	219.5	120.5	97.4	85.5	75.5	72.4	78.9	83.9	83.6
80°	672.6	475.5	176.3	109.0	90.5	80.5	70.5	67.0	72.8	76.2	75.5
82.5°	515.9	366.2	145.5	98.2	83.6	74.7	65.5	62.4	67.8	70.1	69.3
85°	352.3	262.2	119.4	86.2	74.7	67.8	60.4	58.1	64.3	67.0	66.2
87.5°	232.6	180.2	99.7	75.9	65.8	60.8	54.7	53.9	60.8	63.5	63.1
90°	153.6	125.9	84.7	65.8	57.4	53.1	49.3	49.3	55.4	57.8	56.2
92.5°	101.3	89.3	67.0	55.8	48.9	46.2	43.9	43.5	48.9	49.7	48.5
95°	68.9	62.8	52.4	46.2	41.2	39.7	37.7	38.5	42.0	41.2	40.0
97.5°	49.3	47.7	42.4	37.7	34.3	33.9	33.1	33.5	35.4	33.9	33.1
100°	39.3	38.1	35.0	31.6	29.3	28.9	28.5	28.9	30.0	28.5	27.7
102.5°	31.6	31.6	29.3	26.6	24.6	25.0	25.0	25.0	25.4	23.1	23.1
105°	25.4	25.4	24.6	22.3	21.2	21.2	21.6	21.6	21.6	20.0	20.0
107.5°	20.4	21.2	20.8	18.9	18.1	18.5	18.5	18.1	18.1	17.3	17.3
110°	16.6	17.3	17.3	16.2	15.8	16.2	15.8	15.4	15.0	15.0	15.0



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.9	14.6	15.0	14.2	13.9	13.9	13.5	13.1	13.1	13.5	13.5
115°	11.9	12.7	13.1	12.3	12.3	12.3	11.6	11.2	11.2	11.9	11.9
117.5°	10.8	11.2	11.6	11.2	10.8	10.8	10.4	9.6	9.6	10.4	10.8
120°	9.6	10.0	10.4	10.0	9.6	9.2	8.9	8.5	8.5	9.6	9.6
122.5°	8.9	9.2	9.2	8.9	8.5	8.5	8.1	7.7	7.7	8.5	8.9
125°	8.5	8.5	8.5	8.1	7.7	7.3	6.9	6.9	6.9	7.7	7.7
127.5°	8.1	8.1	7.7	7.3	6.9	6.5	6.5	6.2	6.2	6.9	7.3
130°	8.1	8.1	7.3	6.9	6.5	5.8	5.8	5.4	5.8	6.5	6.5
132.5°	7.7	7.7	6.9	6.5	5.8	5.4	5.0	5.0	5.0	5.8	6.2
135°	7.3	6.9	6.2	5.8	5.0	4.6	4.6	4.6	4.6	5.4	5.4
137.5°	6.5	6.2	5.4	5.0	4.6	4.2	3.9	3.9	4.2	4.6	5.0
140°	5.4	5.4	4.6	4.2	3.9	3.5	3.5	3.5	3.9	4.2	4.2
142.5°	4.6	4.6	3.9	3.5	3.1	2.7	3.1	3.1	3.5	3.9	3.9
145°	3.9	3.5	3.5	2.7	2.7	2.3	2.3	2.7	3.1	3.5	3.5
147.5°	3.1	3.1	2.7	2.3	1.9	1.9	1.9	2.3	2.7	2.7	3.1
150°	2.7	2.7	2.3	2.3	1.5	1.2	1.5	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	1.9	1.5	0.8	1.2	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.5	1.2	0.4	1.2	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	0.8	0.4	0.8	1.2	1.2	1.2	1.5
160°	1.2	1.2	1.2	1.2	0.8	0.4	0.8	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	1.2	0.8	0.8	0.8
165°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
167.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
170°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
172.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
175°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
177.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)