

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: P415012

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4120 lumens  
Efficiency: N/A  
Efficacy: 103.0 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): 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

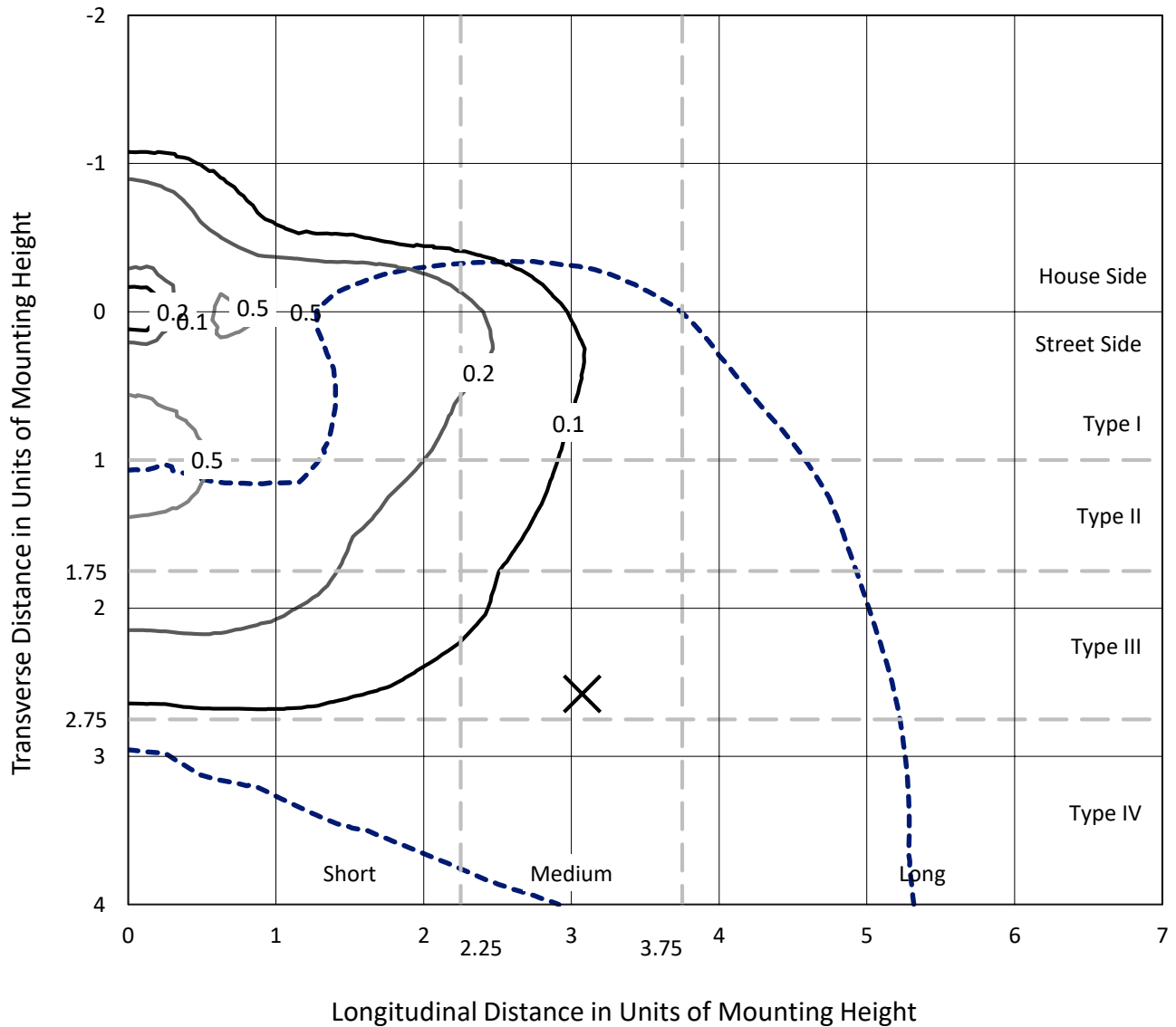


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

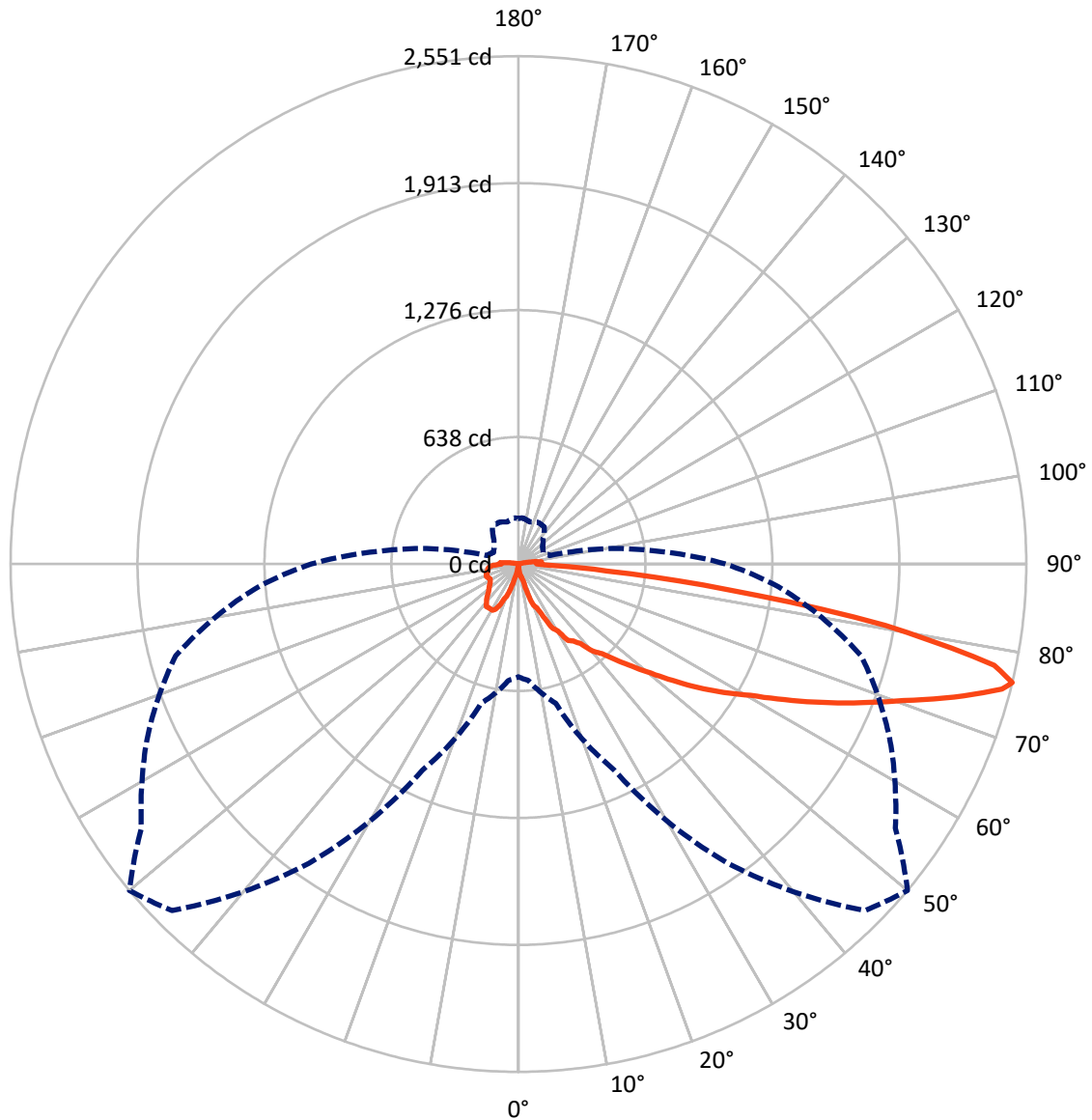


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	899.2	50.7	949.8
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	3129.5	40.7	3170.1
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	4028.6	91.3	4120.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	34.4	0.8
20°-30°	134.4	3.3
30°-40°	289.3	7.0
40°-50°	471.3	11.4
50°-60°	758.8	18.4
60°-70°	1105.2	26.8
70°-80°	986.0	23.9
80°-90°	247.0	6.0
90°-100°	72.3	1.8
100°-110°	10.7	0.3
110°-120°	3.1	0.1
120°-130°	2.1	0.1
130°-140°	1.4	0.0
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4028.6	97.8
0°-180°	4120.0	100.0



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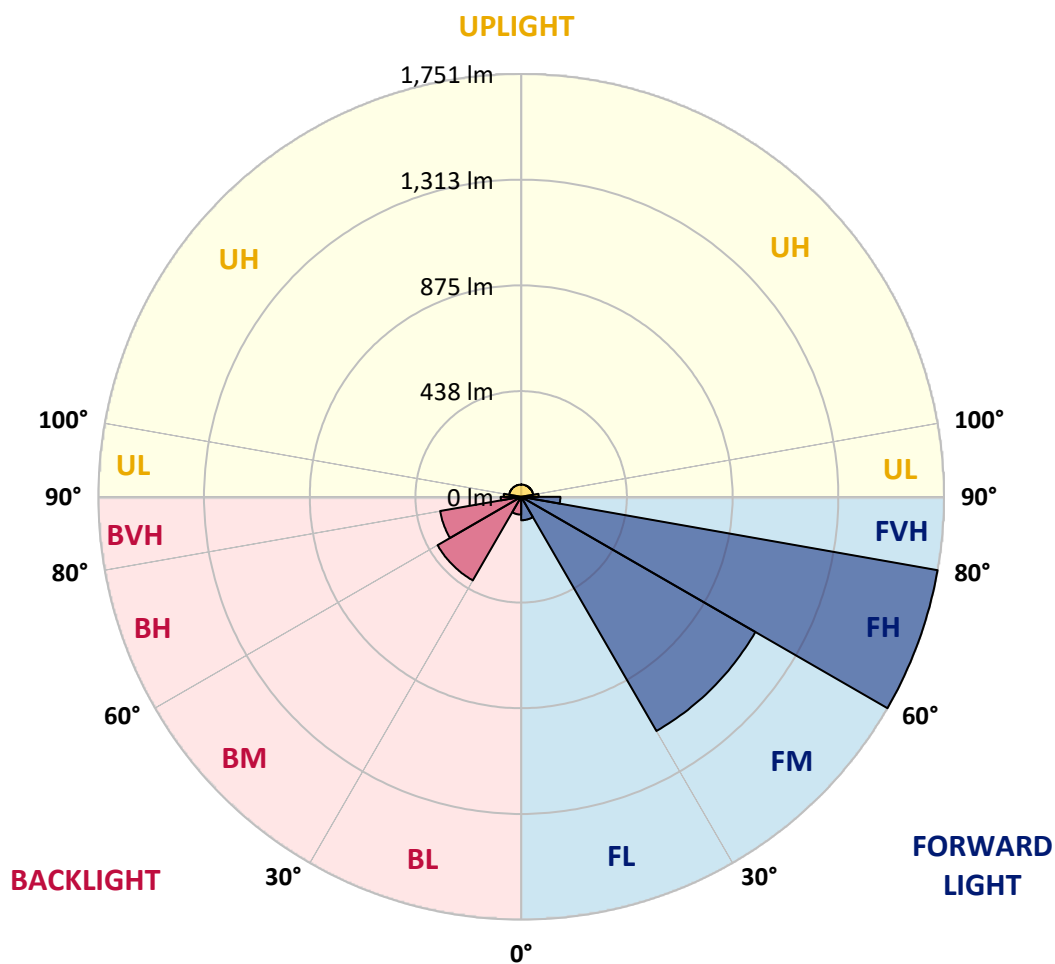
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.1	2.4			
FM (30°-60°)	1119.6	27.2			
FH (60°-80°)	1750.6	42.5			G1/1800
FVH (80°-90°)	162.2	3.9			G2/225
BL (0°-30°)	73.9	1.8	B0/110		
BM (30°-60°)	399.8	9.7	B1/1000		
BH (60°-80°)	340.6	8.3	B1/500		G1/500
BVH (80°-90°)	84.8	2.1			G1/100
UL (90°-100°)	72.3	1.8		U3/500	
UH (100°-180°)	50.7	1.2		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	6.0	4.6	4.1	3.7	3.7	3.2	3.2	2.7	2.7	2.7	2.7
5°	57.7	55.9	51.7	48.1	16.5	13.7	11.4	8.7	3.2	3.2	2.7
7.5°	69.1	67.8	65.0	63.2	60.4	56.3	51.7	24.3	9.6	3.7	3.2
10°	90.7	83.8	78.3	73.7	70.5	63.6	61.8	58.2	16.0	6.9	5.0
12.5°	162.1	158.4	152.9	103.9	85.6	73.3	70.5	67.3	52.2	24.7	44.4
15°	178.6	174.9	169.4	162.5	152.5	90.2	84.7	105.3	134.6	101.2	105.8
17.5°	209.7	207.9	193.2	176.7	166.7	177.2	177.7	161.2	152.9	133.7	121.8
20°	290.8	288.9	280.7	238.6	188.6	223.9	223.0	214.7	171.7	197.3	212.5
22.5°	302.7	300.4	293.0	281.6	298.5	245.4	239.5	239.5	253.2	268.3	250.0
25°	398.4	396.1	340.2	296.2	320.1	292.1	293.0	324.2	280.2	294.4	281.1
27.5°	416.2	413.0	408.4	379.1	337.0	370.0	364.9	348.0	364.5	406.6	392.4
30°	485.8	450.6	435.4	418.5	397.9	391.9	389.7	420.3	432.2	429.5	433.6
32.5°	563.6	562.3	547.6	446.4	450.1	421.2	458.3	472.1	453.8	521.5	565.0
35°	677.2	630.5	602.1	534.8	468.4	487.2	474.4	488.6	551.3	557.7	599.4
37.5°	851.2	848.5	783.4	590.2	540.3	498.6	507.8	547.2	588.4	597.5	653.9
40°	995.0	981.7	940.5	735.8	587.5	539.4	576.0	567.3	610.8	642.9	696.9
42.5°	1101.7	1114.0	1090.7	851.7	682.2	603.9	614.9	603.5	643.8	703.8	758.7
45°	1203.8	1198.7	1214.8	969.3	773.4	686.8	685.9	658.0	704.2	771.5	843.9
47.5°	1287.1	1279.8	1296.3	1097.1	878.2	761.9	768.3	732.1	776.6	856.2	970.2
50°	1380.0	1365.9	1376.8	1204.2	1015.1	870.4	861.7	833.8	859.0	967.5	1124.6
52.5°	1491.8	1481.7	1462.0	1310.9	1156.1	982.2	971.2	944.1	971.6	1105.8	1295.3
55°	1592.0	1580.6	1564.6	1457.9	1273.4	1095.7	1096.2	1069.1	1122.7	1256.9	1493.6
57.5°	1696.4	1690.9	1699.2	1622.3	1440.9	1214.3	1217.0	1200.6	1296.7	1412.1	1703.8
60°	1783.0	1774.7	1820.5	1790.3	1589.8	1349.8	1338.8	1356.7	1474.4	1574.2	1916.7
62.5°	1816.0	1821.4	1908.0	1945.1	1734.0	1495.9	1500.0	1524.3	1638.8	1768.3	2121.8
65°	1661.2	1680.4	1922.2	1972.1	1894.7	1658.0	1677.7	1673.6	1807.3	1911.2	2294.9
67.5°	1493.1	1515.1	1777.9	1979.0	2019.2	1848.5	1858.5	1817.8	1952.4	2000.5	2424.0
70°	1374.1	1391.0	1607.2	1940.0	2095.7	2047.2	2051.8	1976.2	2057.7	2105.3	2419.4
72.5°	1168.1	1185.9	1385.5	1793.1	2143.3	2288.0	2288.0	2121.4	2142.9	2103.0	2136.5
75°	789.4	796.3	959.7	1392.0	2020.2	2484.5	2508.3	2279.8	2113.6	1910.3	1593.4
76°	566.9	587.9	724.8	1142.9	1834.7	2462.0	2551.3	2311.8	2056.3	1782.5	1311.4
77.5°	300.4	319.6	427.7	731.7	1488.1	2289.4	2443.7	2213.4	1875.0	1530.2	969.8
80°	117.7	116.3	147.0	260.5	753.7	1741.3	1870.0	1631.4	1268.3	886.5	460.6
82.5°	64.6	71.0	93.4	137.8	326.9	960.6	1056.3	860.8	647.4	408.9	269.2
85°	41.2	42.1	54.9	85.2	201.9	404.8	444.6	368.6	303.1	250.9	191.4
87.5°	24.7	25.6	28.8	39.4	99.8	119.0	130.0	152.9	174.0	172.6	165.3
90°	16.9	16.9	14.2	15.6	46.7	95.2	91.6	97.5	88.8	112.6	159.3
92.5°	16.5	16.5	13.7	14.2	39.8	105.8	106.2	105.8	93.9	114.9	167.6
95°	14.7	15.1	11.9	12.4	29.3	98.9	116.3	112.6	94.8	115.8	167.1
97.5°	12.4	12.8	9.2	10.5	19.7	66.9	86.5	88.4	59.1	58.6	75.6
100°	9.2	9.6	6.4	8.2	11.9	30.7	46.2	43.5	29.3	16.0	10.5
102.5°	8.7	9.2	5.5	6.4	7.3	10.5	16.9	12.8	11.0	9.2	9.2
105°	9.6	9.6	5.0	4.6	4.6	5.0	4.1	6.0	6.4	6.9	9.6
107.5°	8.2	8.7	3.7	3.7	3.2	3.2	2.7	2.7	3.7	6.0	10.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	6.4	6.4	3.2	3.2	2.3	2.7	2.7	2.3	3.2	4.6	8.2
112.5°	3.7	4.1	1.8	2.7	1.8	2.3	2.3	1.8	2.7	3.2	4.6
115°	3.7	3.7	1.8	1.4	1.4	1.4	1.8	1.8	2.3	3.2	5.0
117.5°	3.7	3.7	1.8	1.4	0.9	1.4	1.4	1.4	2.3	3.2	5.0
120°	3.7	3.7	1.8	0.9	0.9	0.9	0.9	1.4	2.3	3.2	5.0
122.5°	4.1	3.7	1.8	0.9	0.9	0.9	0.9	1.4	2.3	3.2	4.6
125°	4.1	3.7	1.8	0.9	0.9	0.9	0.9	1.4	1.8	2.7	4.1
127.5°	4.1	3.7	1.8	0.9	0.9	0.9	0.9	1.4	1.8	2.7	3.7
130°	3.7	3.7	1.8	0.9	0.9	0.9	0.9	1.4	1.8	2.7	3.7
132.5°	3.7	3.2	1.8	0.9	0.9	0.9	0.9	1.4	1.8	2.3	3.2
135°	3.2	2.7	1.8	0.9	1.4	0.9	1.4	1.4	1.8	2.3	2.7
137.5°	2.7	2.7	1.8	1.4	1.4	1.4	1.4	1.4	1.8	2.3	2.3
140°	3.2	2.7	1.8	1.8	1.4	1.4	1.4	1.4	1.8	2.3	2.3
142.5°	3.7	3.2	2.3	1.8	1.8	1.4	1.4	1.8	1.8	2.3	2.3
145°	3.7	3.7	2.7	2.3	1.4	1.4	1.4	1.8	2.3	2.3	2.7
147.5°	4.1	3.7	2.7	2.3	1.4	0.9	1.4	1.4	2.3	2.7	2.7
150°	3.7	3.7	2.3	1.8	0.9	0.5	0.9	1.4	2.3	2.7	2.7
152.5°	2.7	2.7	1.8	0.9	0.5	0.5	0.9	1.4	1.8	2.3	2.7
155°	1.8	1.8	0.9	0.5	0.0	0.5	0.5	0.9	1.4	1.8	2.3
157.5°	0.9	0.9	0.5	0.0	0.0	0.5	0.5	0.9	1.4	1.8	1.8
160°	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.9	1.4	1.4
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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.7	2.3	2.3	1.8	1.8	1.4	1.4	1.4	1.4	1.8	2.3
5°	2.7	2.7	2.3	2.3	2.3	1.8	1.8	2.7	3.2	3.7	3.7
7.5°	2.7	2.7	2.7	2.3	2.7	3.7	14.7	42.1	46.2	49.0	49.9
10°	5.0	4.6	4.1	3.7	6.9	46.7	57.7	62.7	65.0	67.3	67.3
12.5°	48.1	48.1	19.7	11.0	47.2	62.7	65.9	69.6	72.8	76.0	76.5
15°	104.4	103.0	99.4	91.1	78.8	71.0	74.2	109.9	129.1	137.8	136.4
17.5°	119.5	117.7	115.4	131.4	136.9	109.4	127.7	141.9	146.1	150.6	150.2
20°	221.6	219.3	170.8	152.9	149.7	183.6	146.1	149.3	156.6	199.6	201.0
22.5°	248.2	245.4	228.5	233.1	174.9	199.2	192.8	201.9	225.3	232.1	233.1
25°	290.8	279.8	259.2	243.6	247.7	207.9	239.9	224.8	233.5	241.8	243.1
27.5°	402.5	396.1	359.4	272.9	252.7	260.1	250.0	244.5	292.1	309.5	310.9
30°	433.6	427.2	381.4	315.9	266.5	266.5	251.8	304.9	307.2	316.4	318.7
32.5°	589.3	576.5	484.9	321.0	276.6	254.6	285.3	300.4	337.0	364.5	369.1
35°	625.5	614.5	500.5	366.8	267.4	265.1	269.2	316.4	343.4	359.9	363.6
37.5°	663.0	650.6	498.6	349.4	283.4	252.7	261.9	295.8	334.7	377.3	382.8
40°	714.3	699.2	500.9	326.9	265.6	239.0	245.9	283.9	310.4	337.0	341.6
42.5°	783.0	752.8	505.0	306.8	245.0	233.1	234.4	256.4	268.8	279.8	279.8
45°	875.5	826.5	506.4	285.7	224.4	219.3	221.2	231.2	235.8	228.9	225.7
47.5°	999.6	917.6	523.4	266.9	207.0	204.2	205.6	208.8	206.5	188.6	185.4
50°	1144.2	1024.7	532.5	250.5	194.1	193.7	191.4	191.4	183.2	163.0	161.6
52.5°	1304.0	1152.5	540.3	230.3	185.0	187.3	187.3	177.7	165.3	149.3	147.9
55°	1506.9	1299.9	551.7	212.9	177.2	176.7	181.8	169.9	157.1	143.3	143.3
57.5°	1708.3	1456.1	565.5	197.8	168.5	169.4	176.7	167.1	160.3	154.8	154.3
60°	1909.8	1617.2	543.5	184.1	165.3	163.5	175.4	177.7	169.4	172.6	175.8
62.5°	2098.9	1720.3	455.1	172.2	159.3	162.1	187.3	201.5	198.7	195.5	196.4
65°	2188.2	1741.3	369.1	161.6	155.2	171.7	206.5	228.0	218.9	208.3	207.4
67.5°	2203.3	1686.8	271.5	155.2	152.9	188.6	221.6	234.0	220.2	216.1	212.5
70°	2097.1	1548.5	217.0	148.4	154.8	191.4	231.2	232.6	222.5	227.1	222.5
72.5°	1783.4	1289.8	190.0	141.9	155.2	184.5	231.2	233.1	221.6	234.9	232.6
75°	1277.0	904.3	169.0	136.4	150.2	176.7	228.0	232.6	218.9	233.5	229.9
76°	1040.3	717.5	163.0	137.8	147.9	174.0	227.1	231.2	219.3	232.6	228.9
77.5°	687.3	468.9	152.9	136.9	143.8	172.6	224.8	229.4	218.9	229.9	226.2
80°	367.7	265.6	137.8	127.7	138.7	173.5	223.0	224.8	210.2	222.5	218.0
82.5°	242.2	197.8	119.0	115.8	133.7	174.9	222.1	219.3	202.8	222.5	210.2
85°	190.0	163.5	89.3	92.9	121.8	169.0	219.3	211.5	196.4	201.9	194.6
87.5°	161.2	134.6	53.6	66.4	106.7	143.8	194.6	174.9	166.2	171.7	168.5
90°	151.6	119.0	30.2	46.7	80.1	95.7	122.7	114.0	110.3	116.8	115.4
92.5°	152.9	116.3	29.8	44.4	85.6	103.0	126.8	116.8	105.8	105.8	104.4
95°	146.1	108.5	29.3	35.3	77.4	100.3	119.0	104.9	85.2	81.0	79.7
97.5°	63.6	52.7	27.5	27.0	44.4	69.1	86.5	75.1	56.3	44.0	44.0
100°	10.5	16.9	23.8	26.1	26.1	36.6	49.0	46.2	27.0	14.2	14.7
102.5°	11.0	9.6	16.5	21.5	16.9	15.1	22.4	27.9	17.9	5.5	6.0
105°	11.4	10.1	8.2	15.1	9.6	5.0	6.9	12.8	8.2	5.5	5.5
107.5°	12.4	10.5	5.0	5.5	4.1	4.1	3.7	3.2	4.1	5.5	6.0



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.6	8.7	4.6	4.1	3.7	4.1	2.7	2.7	3.2	5.5	6.0
112.5°	5.5	5.5	4.1	3.2	3.2	3.7	2.3	2.3	3.2	6.0	6.0
115°	5.5	5.5	3.7	2.7	2.3	2.7	2.3	1.8	3.2	6.0	6.4
117.5°	5.5	5.5	3.7	2.7	2.3	1.8	1.8	1.8	3.2	6.0	6.4
120°	5.5	5.0	3.2	2.3	2.3	1.4	1.4	1.4	2.7	6.0	6.4
122.5°	5.0	5.0	3.2	2.3	1.8	1.4	1.4	1.4	2.7	5.5	6.0
125°	4.6	4.6	3.2	2.3	1.8	1.4	0.9	1.4	2.7	5.0	5.5
127.5°	4.1	4.1	2.7	2.3	1.8	1.4	0.9	1.4	2.7	5.0	5.5
130°	3.7	3.7	2.7	1.8	1.8	0.9	0.9	0.9	2.7	4.6	5.0
132.5°	3.2	3.2	2.3	1.8	1.4	0.9	0.5	0.9	2.3	4.1	4.1
135°	2.7	2.7	2.3	1.8	1.4	0.9	0.5	0.9	1.8	3.2	3.7
137.5°	2.3	2.3	1.8	1.8	1.4	0.9	0.5	0.9	1.4	2.7	2.7
140°	2.3	2.3	1.8	1.8	1.4	0.9	0.5	0.9	1.4	2.3	2.7
142.5°	2.3	2.3	1.8	1.8	1.4	0.9	0.5	0.9	1.4	2.3	2.7
145°	2.7	2.3	2.3	1.8	1.4	0.9	0.5	0.9	1.8	2.7	2.7
147.5°	2.7	2.7	2.3	1.8	1.4	0.9	0.5	0.9	1.8	2.7	2.7
150°	2.7	2.7	2.3	1.8	1.4	0.5	0.0	0.5	1.4	2.3	2.7
152.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.0	0.9	1.8	1.8
155°	2.3	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.5	0.9	0.9
157.5°	1.8	1.8	1.4	0.9	0.5	0.5	0.0	0.0	0.0	0.5	0.5
160°	1.4	1.4	0.9	0.9	0.5	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)