

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: P415306

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
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-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3928 lumens  
Efficiency: N/A  
Efficacy: 98.2 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 - U2 - G1

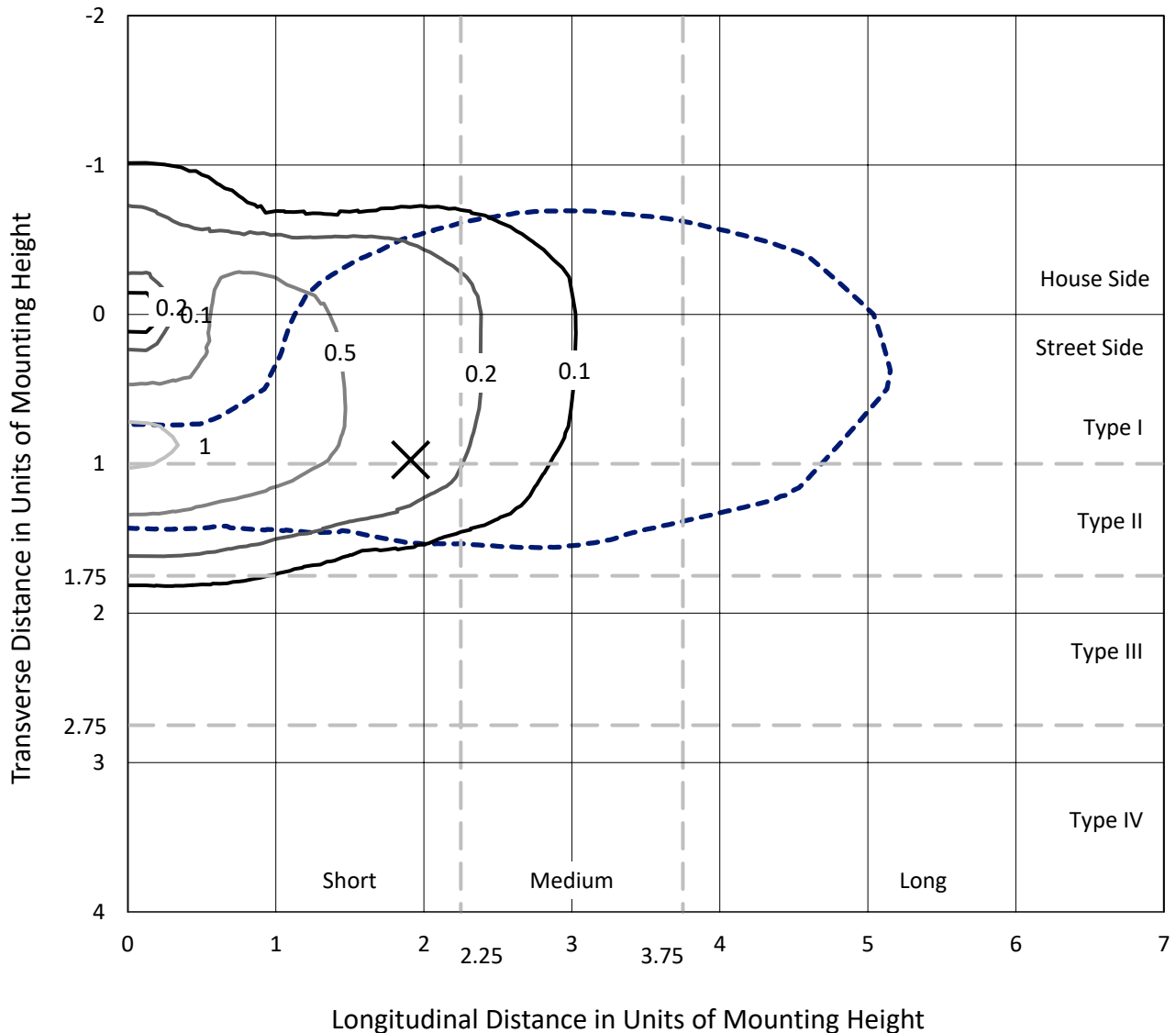
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

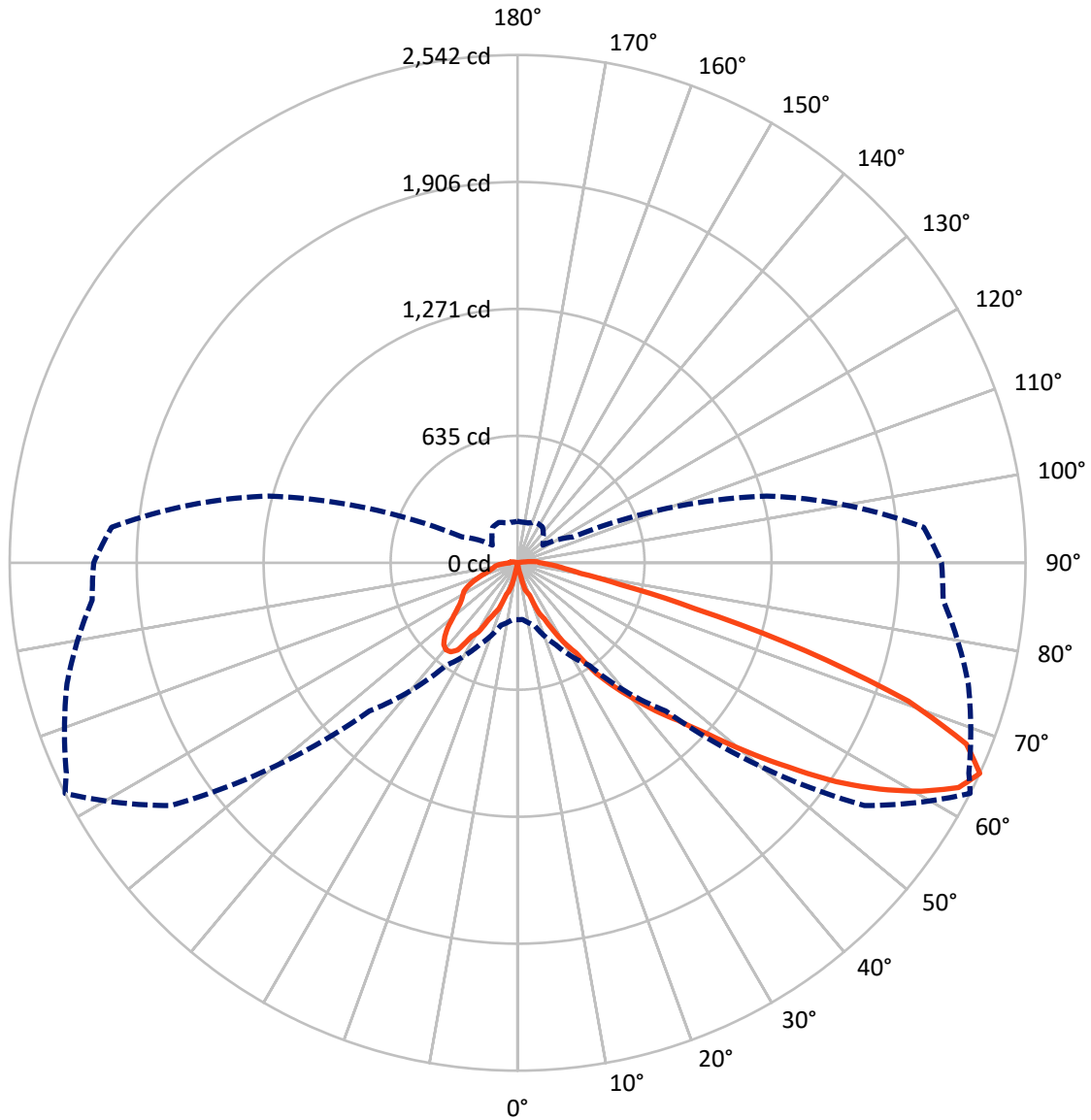
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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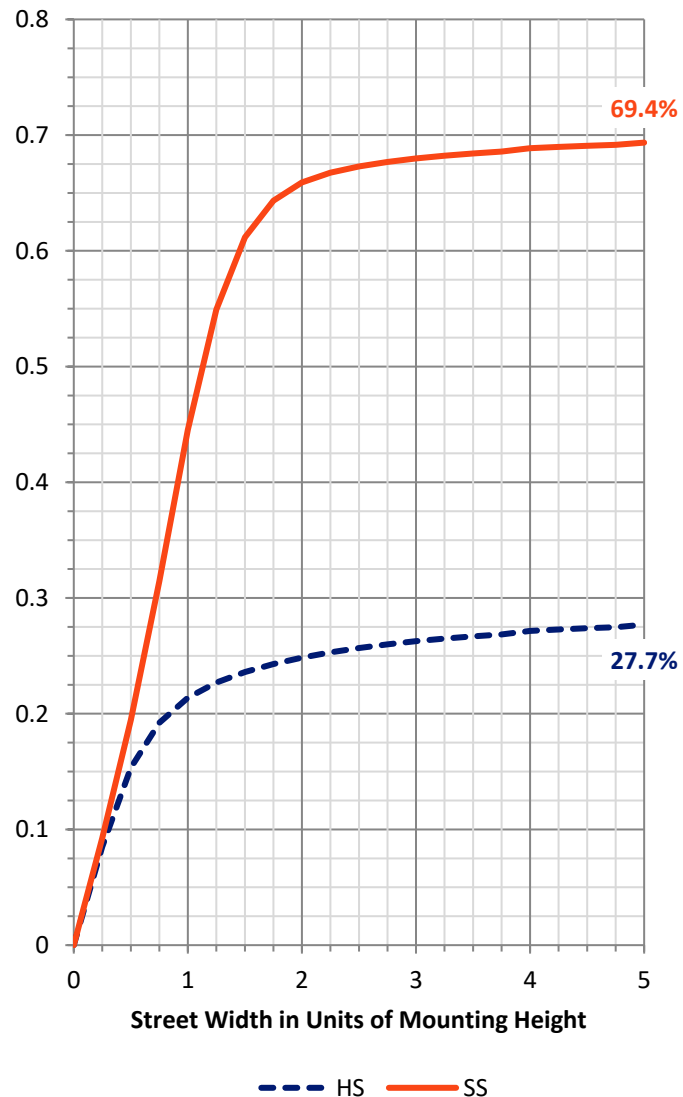
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1117.9	32.4	1150.3
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	2747.5	30.2	2777.7
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	3865.3	62.7	3928.0
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	35.3	0.9
20°-30°	144.3	3.7
30°-40°	375.0	9.5
40°-50°	713.0	18.2
50°-60°	959.8	24.4
60°-70°	909.3	23.1
70°-80°	569.8	14.5
80°-90°	156.5	4.0
90°-100°	43.8	1.1
100°-110°	8.1	0.2
110°-120°	3.9	0.1
120°-130°	2.9	0.1
130°-140°	1.9	0.0
140°-150°	1.5	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3865.3	98.4
0°-180°	3928.0	100.0

**Coefficient of Utilization**



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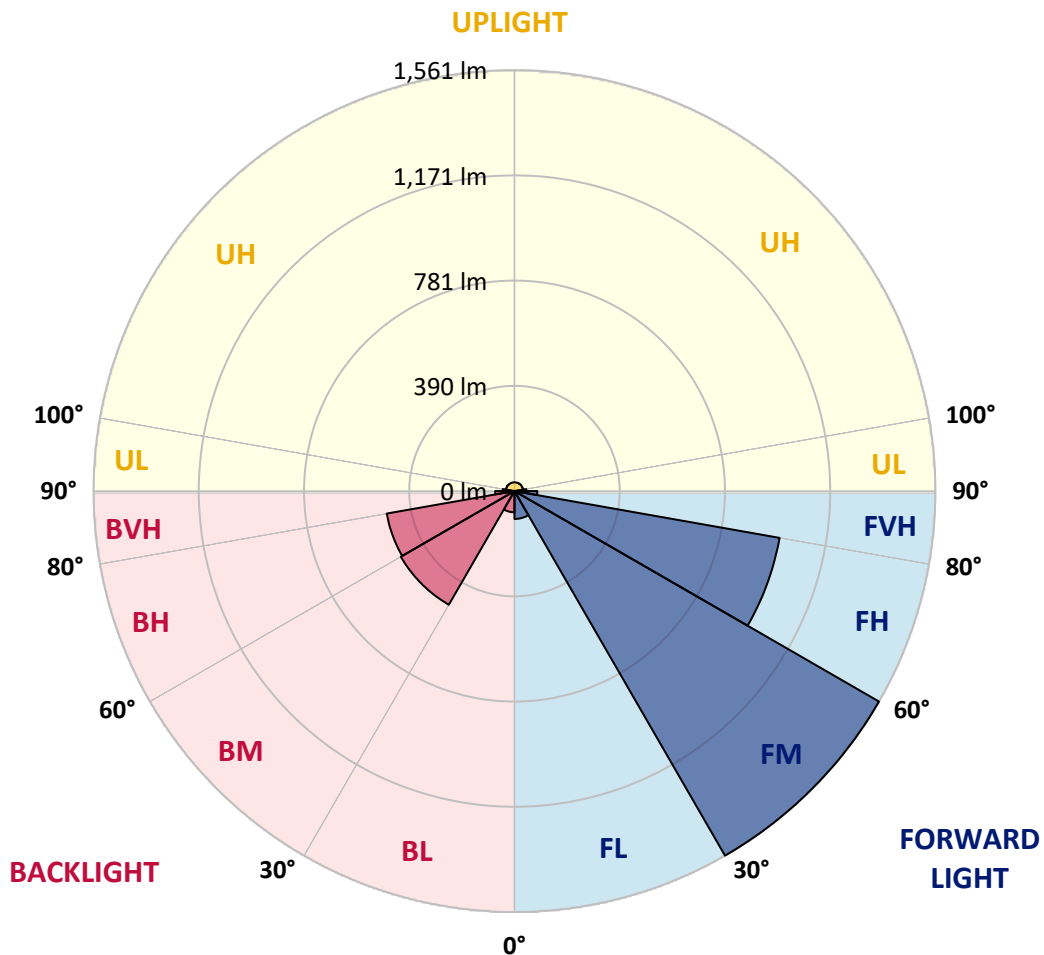
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.4	2.6			
FM (30°-60°)	1561.0	39.7			
FH (60°-80°)	998.2	25.4			G1/1800
FVH (80°-90°)	84.9	2.2			G1/100
BL (0°-30°)	78.7	2.0	B0/110		
BM (30°-60°)	486.7	12.4	B1/1000		
BH (60°-80°)	480.9	12.2	B1/500		G1/500
BVH (80°-90°)	71.6	1.8			G1/100
UL (90°-100°)	43.8	1.1		U2/50	
UH (100°-180°)	32.4	0.8		U2/50	

**BUG Rating: B1-U2-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.2	4.8	5.2	5.2	4.8	4.4	3.9	3.5	3.0	2.2	1.7
5°	61.3	61.8	60.9	59.6	21.3	9.6	5.7	4.4	3.9	2.6	2.2
7.5°	70.5	70.0	69.6	68.7	65.7	61.8	33.5	7.8	6.1	3.5	2.2
10°	77.4	76.6	74.4	74.0	70.9	68.7	63.5	40.9	34.4	6.1	4.4
12.5°	141.0	137.9	135.3	111.8	78.3	74.0	70.9	61.8	60.5	38.7	57.9
15°	147.5	147.9	146.2	143.6	137.5	92.2	114.9	139.2	138.8	120.1	118.3
17.5°	167.5	166.2	159.7	153.1	151.0	164.0	162.7	155.3	155.3	137.5	130.1
20°	258.8	256.7	252.8	210.6	187.5	211.9	198.8	173.1	174.0	212.3	230.6
22.5°	299.7	298.9	291.0	272.3	265.4	233.6	261.9	271.0	265.8	268.9	257.5
25°	410.2	405.9	371.5	338.5	342.4	315.4	315.0	309.3	306.3	292.8	313.2
27.5°	522.0	518.6	510.7	464.2	395.5	380.2	355.9	388.5	379.8	411.1	418.1
30°	691.7	660.0	593.8	562.5	539.9	467.2	460.3	470.3	467.7	459.0	451.1
32.5°	868.3	855.3	816.6	702.2	630.4	588.6	568.2	537.3	522.9	616.5	623.0
35°	1052.8	1040.6	945.8	879.2	756.1	688.2	676.9	681.3	662.1	707.8	696.9
37.5°	1377.3	1371.2	1276.0	1069.3	940.6	807.9	792.2	787.0	757.0	790.0	790.5
40°	1585.7	1575.7	1470.4	1318.2	1110.7	1000.2	924.0	894.0	886.2	887.9	888.4
42.5°	1740.6	1724.5	1663.2	1523.1	1306.4	1176.8	1069.3	1011.5	1027.1	996.7	994.9
45°	1841.1	1832.4	1776.7	1659.7	1509.6	1445.2	1255.1	1124.6	1177.2	1122.8	1120.2
47.5°	1863.7	1859.8	1821.1	1762.3	1699.7	1672.7	1479.1	1279.5	1327.7	1303.8	1255.1
50°	1765.4	1768.9	1754.5	1775.8	1844.1	1875.0	1715.4	1484.8	1511.3	1454.3	1392.1
52.5°	1550.5	1550.0	1602.3	1696.7	1897.2	2020.8	1934.2	1698.4	1697.1	1594.0	1523.5
55°	1244.7	1268.1	1356.5	1503.1	1824.6	2087.8	2141.7	1933.3	1896.8	1757.1	1640.5
57.5°	948.4	978.8	1087.2	1220.3	1617.9	2040.3	2292.7	2137.4	2099.5	1904.2	1764.5
60°	641.7	653.4	790.0	944.0	1286.8	1858.1	2363.6	2321.4	2279.6	2054.3	1889.8
62.5°	427.6	438.1	516.4	703.9	922.7	1510.0	2317.9	2476.7	2421.4	2231.8	2020.8
65°	284.5	284.5	323.2	452.9	627.8	1048.4	2117.8	2541.5	2491.5	2334.4	2136.9
67.5°	209.7	213.2	225.8	291.9	427.6	627.3	1684.5	2421.9	2427.1	2346.2	2173.9
70°	190.1	192.3	203.2	220.1	305.4	373.3	1113.3	2074.7	2164.8	2257.4	2126.5
72.5°	166.2	167.1	184.5	202.7	240.6	286.3	647.3	1507.8	1697.1	2064.3	1996.0
75°	139.2	140.5	154.4	181.8	207.9	240.1	344.6	917.9	1106.3	1772.4	1823.3
77.5°	113.1	116.2	127.5	148.8	191.0	201.4	264.5	524.7	640.8	1319.9	1541.3
80°	87.0	90.1	100.1	117.0	156.2	177.9	219.7	322.8	388.5	820.5	1077.2
82.5°	59.6	61.8	71.8	84.4	111.8	148.3	181.8	238.0	257.1	449.0	594.3
85°	42.2	43.5	50.0	55.7	69.6	97.4	151.8	188.8	194.0	238.0	241.9
87.5°	23.9	23.5	24.4	28.3	31.8	37.8	89.6	138.3	144.9	165.8	154.0
90°	16.5	16.1	13.5	13.1	14.8	16.1	50.9	110.1	115.7	133.6	137.0
92.5°	17.4	16.5	13.1	12.2	13.9	14.8	33.9	96.1	108.3	133.6	141.0
95°	16.5	15.7	11.7	10.4	12.6	13.1	20.9	66.1	85.3	124.9	137.9
97.5°	14.4	13.5	9.6	8.7	10.4	10.4	11.7	30.5	41.8	58.3	65.7
100°	11.7	10.9	7.8	7.0	7.4	7.8	7.4	15.2	15.2	16.1	12.6
102.5°	10.4	10.0	6.5	5.7	5.2	5.2	4.8	7.4	7.8	8.7	10.9
105°	9.1	8.7	5.7	4.8	3.9	3.9	3.5	4.8	5.2	7.4	10.4
107.5°	6.5	6.5	4.8	3.9	3.5	3.5	2.6	3.9	4.4	6.5	10.9
110°	4.4	4.4	3.5	3.5	3.0	3.5	2.6	3.9	3.9	5.2	8.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	3.5	3.5	3.0	2.6	2.2	2.6	3.0	3.5	3.5	3.9	5.2
115°	3.5	3.0	2.6	2.2	1.7	2.2	2.2	3.0	3.0	3.9	5.2
117.5°	3.5	3.5	2.6	2.2	1.7	1.7	2.2	2.6	2.6	3.9	5.7
120°	3.5	3.5	2.6	2.2	1.7	1.3	1.7	2.6	2.6	3.5	5.2
122.5°	3.5	3.5	2.6	2.2	1.7	1.3	1.7	2.2	2.2	3.0	5.2
125°	3.9	3.9	3.0	2.2	1.7	1.3	1.7	1.7	1.7	3.0	4.8
127.5°	3.9	3.9	3.0	2.2	1.7	1.3	1.7	1.7	1.7	2.6	3.9
130°	3.9	3.9	3.0	2.2	1.7	1.3	1.7	1.3	1.3	2.2	3.5
132.5°	3.9	3.5	3.0	2.6	2.2	1.7	1.7	1.3	1.3	1.3	2.6
135°	3.5	3.5	3.0	2.6	2.2	1.7	1.7	1.3	1.3	1.3	1.7
137.5°	3.5	3.5	3.5	3.0	2.6	2.2	1.7	1.3	1.3	1.3	1.3
140°	3.9	3.9	3.9	3.5	2.6	2.2	1.7	1.3	1.3	1.3	1.3
142.5°	4.4	4.4	4.4	3.9	2.6	2.2	2.2	1.3	1.3	1.3	1.3
145°	4.8	4.8	4.8	3.9	2.6	2.2	2.2	1.7	1.7	1.3	1.7
147.5°	5.2	5.2	4.8	3.9	2.2	1.7	1.7	1.7	1.7	1.7	1.7
150°	4.8	4.4	4.4	3.0	1.7	0.9	1.3	1.3	1.3	1.7	1.7
152.5°	3.5	3.5	3.0	2.2	1.3	0.4	0.9	0.9	1.3	1.3	1.3
155°	2.2	2.2	1.7	1.3	0.9	0.4	0.4	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	1.7	1.7	2.2	2.6	2.6	3.0	3.0	3.0	3.0	3.0	3.0
5°	1.7	1.7	2.2	2.6	3.0	3.5	3.9	3.9	3.9	4.4	4.4
7.5°	2.2	2.2	2.2	3.0	3.5	4.8	13.1	39.2	60.5	62.2	63.1
10°	4.4	4.4	4.4	4.4	9.6	55.7	69.2	72.2	74.0	75.3	75.3
12.5°	58.3	57.9	20.9	10.4	47.9	72.2	76.6	78.7	80.5	81.8	82.2
15°	118.3	118.8	118.8	120.1	87.0	78.7	83.1	122.7	145.3	149.7	151.4
17.5°	129.6	129.6	129.2	144.0	161.8	127.9	142.7	155.7	160.1	162.3	163.1
20°	236.7	236.2	190.5	165.3	171.0	212.3	159.7	165.8	169.2	201.9	202.7
22.5°	261.0	259.7	254.1	255.4	201.4	229.7	218.8	212.3	232.7	231.9	232.7
25°	320.6	289.3	277.1	274.5	291.9	238.8	253.6	219.7	224.9	224.0	224.9
27.5°	419.8	408.5	380.2	321.5	311.1	295.0	254.1	230.6	259.3	265.8	266.7
30°	450.3	435.9	405.9	408.5	346.7	300.2	247.5	255.4	245.4	244.5	242.8
32.5°	617.3	598.6	553.4	445.5	386.3	281.9	248.8	232.3	237.5	254.9	255.8
35°	687.8	666.5	634.7	568.6	374.6	276.7	227.5	226.7	230.1	230.6	229.7
37.5°	767.8	740.0	710.0	599.1	391.1	250.6	212.3	212.7	220.6	235.8	234.1
40°	860.9	830.1	781.3	616.9	351.1	234.9	202.3	208.8	217.1	213.6	210.6
42.5°	965.8	915.3	838.8	613.4	305.4	216.7	199.7	204.0	202.7	196.2	194.5
45°	1074.1	1020.6	894.9	584.3	264.1	204.9	194.9	196.2	191.0	182.7	181.0
47.5°	1199.0	1128.5	926.6	541.6	231.0	204.0	193.6	189.2	179.2	171.8	171.4
50°	1324.7	1247.7	976.2	484.6	206.2	200.6	196.6	187.5	175.3	167.9	167.1
52.5°	1447.8	1380.4	1029.7	436.8	187.5	196.6	197.9	188.4	175.3	164.4	164.0
55°	1571.4	1512.2	1087.6	398.9	174.9	196.2	202.7	191.0	177.9	161.8	161.4
57.5°	1695.4	1637.9	1143.3	373.7	169.2	190.5	205.8	199.2	184.9	171.4	172.3
60°	1842.4	1774.5	1209.0	355.9	167.1	187.5	208.4	208.8	189.2	174.0	176.2
62.5°	1986.8	1918.1	1264.7	339.3	161.4	184.5	209.7	216.2	198.8	185.8	187.9
65°	2121.3	2039.5	1290.3	307.6	154.4	181.0	217.5	222.7	206.2	204.9	207.5
67.5°	2172.6	2096.5	1265.1	268.0	150.1	181.0	225.8	231.9	214.0	221.0	228.0
70°	2123.0	2059.5	1201.6	218.4	151.4	182.3	227.1	236.2	225.4	231.0	237.1
72.5°	1969.0	1888.1	1047.1	175.8	151.4	180.5	221.4	229.3	221.0	239.7	245.8
75°	1774.5	1633.6	833.5	144.9	147.0	179.7	208.4	217.5	209.3	228.8	235.4
77.5°	1465.7	1285.1	576.4	127.9	141.0	171.8	194.9	196.6	188.4	200.1	203.2
80°	1033.7	866.2	365.0	115.7	134.9	155.3	172.7	169.7	161.4	163.6	166.2
82.5°	576.4	458.1	212.7	106.6	126.6	129.2	141.4	142.3	131.4	131.8	132.3
85°	228.8	211.9	144.0	89.6	102.2	93.1	105.7	110.1	99.6	87.4	84.8
87.5°	151.8	144.0	100.5	61.3	62.6	52.6	68.7	71.3	58.7	50.9	50.5
90°	144.4	140.1	86.6	41.3	34.8	28.7	38.3	37.0	28.3	24.8	25.2
92.5°	148.8	146.2	87.9	39.6	33.9	27.4	33.9	29.1	21.3	18.7	19.1
95°	146.6	145.3	85.7	38.7	32.2	25.2	28.7	23.5	16.5	14.8	14.8
97.5°	69.6	73.5	53.1	34.8	28.7	21.3	22.2	17.8	11.7	10.9	10.4
100°	10.4	16.5	28.7	32.2	21.3	14.8	14.4	11.7	7.4	7.0	7.0
102.5°	10.9	11.7	17.8	22.2	11.7	7.8	7.8	7.0	5.7	6.5	6.5
105°	11.7	10.9	10.4	12.2	7.0	4.8	4.4	4.4	4.8	7.0	7.4
107.5°	12.6	11.7	8.3	6.5	5.2	4.4	3.5	3.0	4.4	7.4	7.8
110°	9.6	9.1	7.0	5.2	5.2	4.8	3.0	3.0	4.8	7.8	8.7



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	6.5	6.1	4.8	4.4	4.4	3.0	3.0	4.8	8.3	9.1
115°	6.1	6.1	5.2	3.9	3.5	3.5	3.0	2.6	4.8	8.7	9.1
117.5°	6.1	6.1	5.2	3.9	3.0	2.6	2.6	2.6	4.8	8.7	9.1
120°	6.1	6.1	5.2	3.5	3.0	2.6	2.6	2.6	4.8	8.3	9.1
122.5°	5.7	5.7	4.8	3.5	2.6	2.6	2.6	2.6	4.8	7.8	8.3
125°	5.2	5.2	4.4	3.0	2.6	2.2	2.6	2.6	4.4	7.0	7.4
127.5°	4.4	4.8	3.9	3.0	2.6	2.2	2.6	2.6	3.9	6.1	6.5
130°	3.9	3.9	3.5	2.6	2.2	2.2	2.6	2.6	3.9	5.7	6.1
132.5°	3.0	3.0	2.6	2.6	2.2	2.2	2.2	2.2	3.0	4.8	4.8
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.6	3.5	3.9
137.5°	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0
140°	1.3	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.6	2.6
142.5°	1.3	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.6	3.0	3.0
145°	1.7	1.7	2.2	2.2	2.2	1.7	2.2	2.2	2.6	3.0	3.0
147.5°	1.7	1.7	2.2	2.2	2.2	1.7	1.7	2.2	2.6	3.0	3.0
150°	1.7	1.7	2.2	2.2	1.7	1.3	1.7	1.7	2.2	3.0	3.0
152.5°	1.7	1.7	1.7	1.7	1.3	0.9	1.3	1.3	1.7	2.2	2.2
155°	1.3	1.3	1.3	1.3	1.3	0.9	0.9	0.9	1.3	1.3	1.7
157.5°	0.9	0.9	0.9	1.3	0.9	0.9	0.4	0.4	0.4	0.9	0.9
160°	0.4	0.4	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4
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

(END OF REPORT)