

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: P416137

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416137  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-830-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5621 lumens  
Efficiency: N/A  
Efficacy: 87.8 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: B2 - U3 - G2

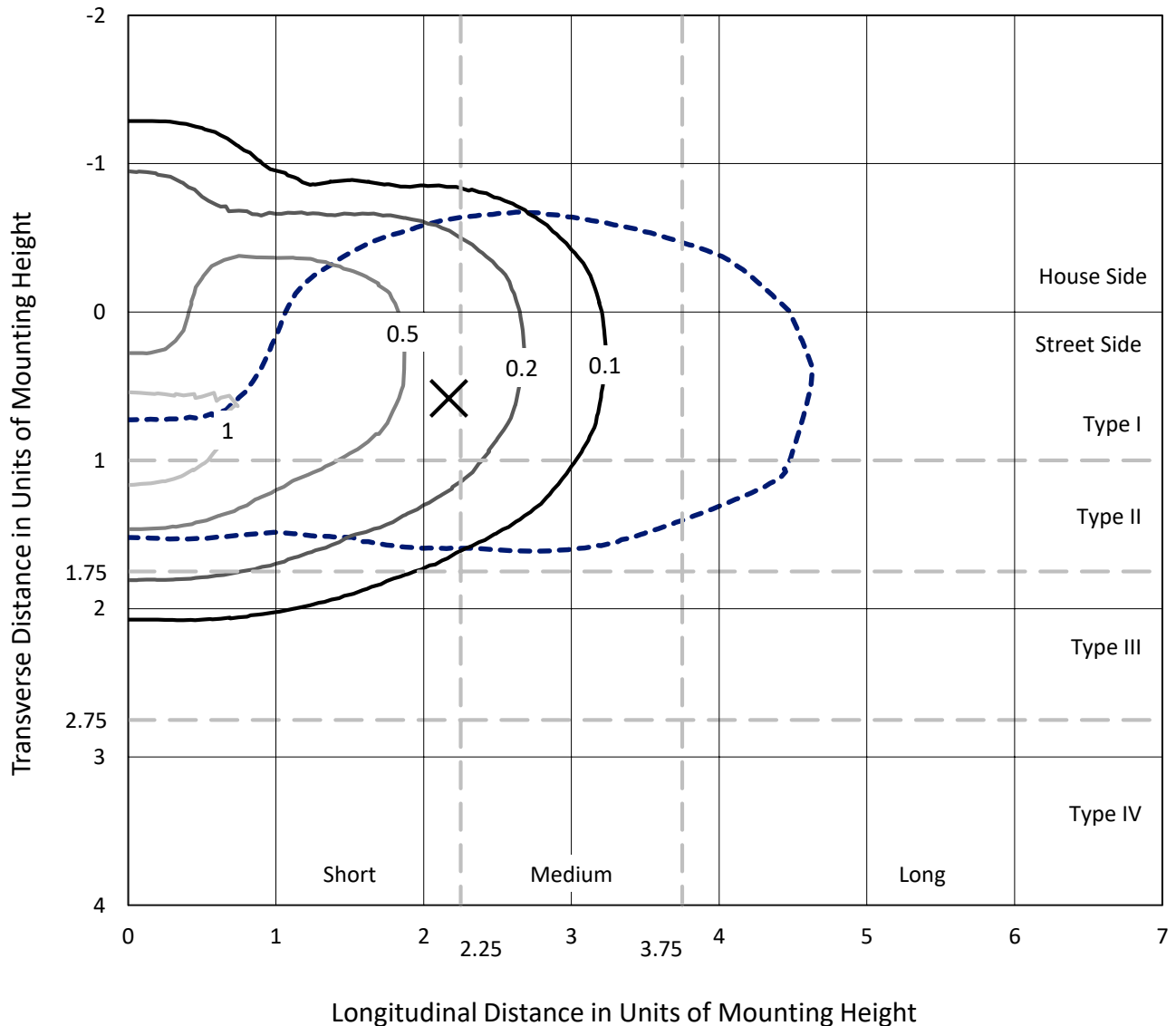
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

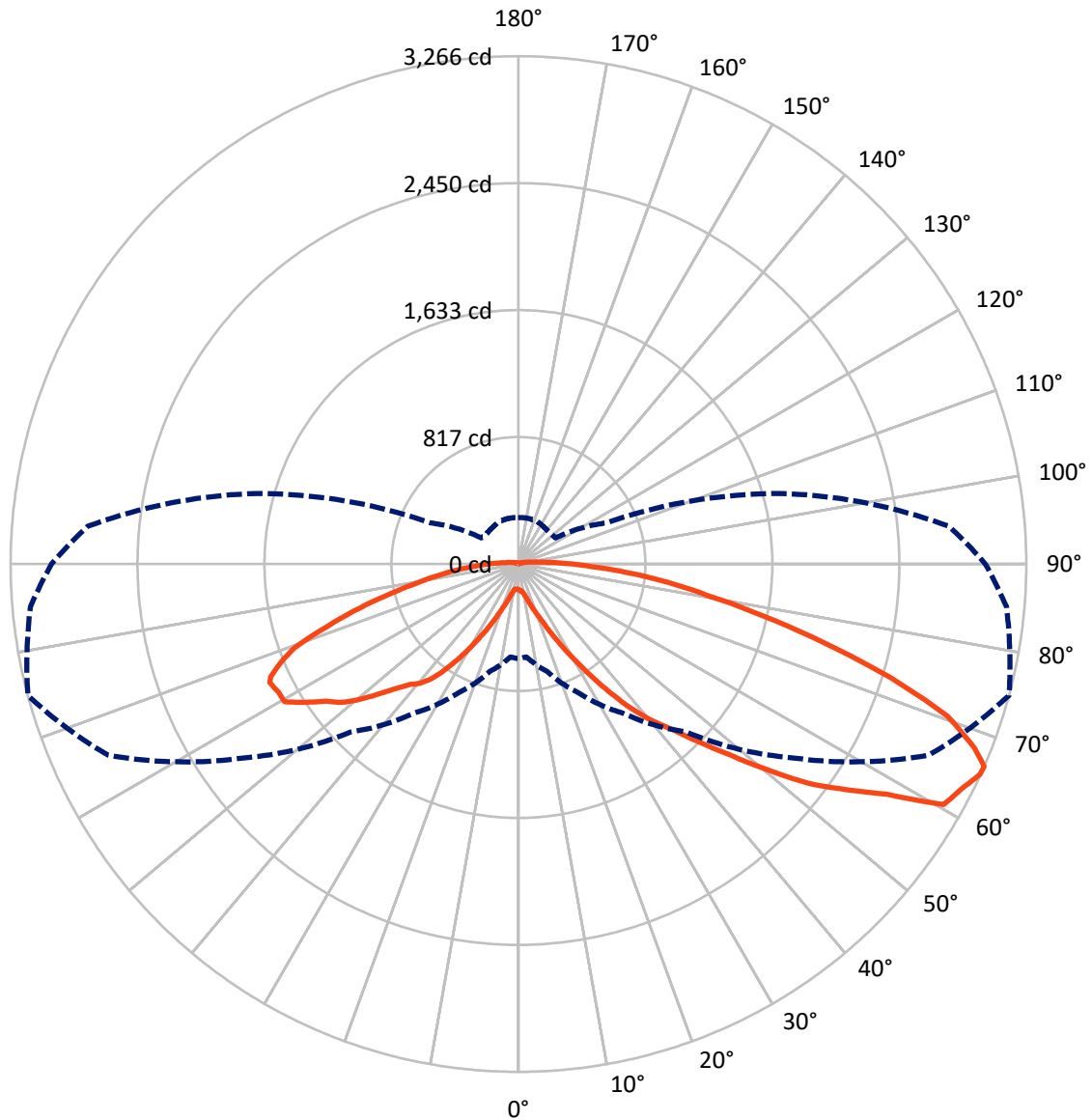
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1596.5	77.9	1674.4
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	3869.5	77.1	3946.6
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	5466.0	155.0	5621.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.7	0.3
10°-20°	70.6	1.3
20°-30°	214.2	3.8
30°-40°	529.9	9.4
40°-50°	956.9	17.0
50°-60°	1292.9	23.0
60°-70°	1297.9	23.1
70°-80°	783.9	13.9
80°-90°	303.0	5.4
90°-100°	90.0	1.6
100°-110°	32.5	0.6
110°-120°	15.7	0.3
120°-130°	9.3	0.2
130°-140°	5.5	0.1
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5466.0	97.2
0°-180°	5621.0	100.0



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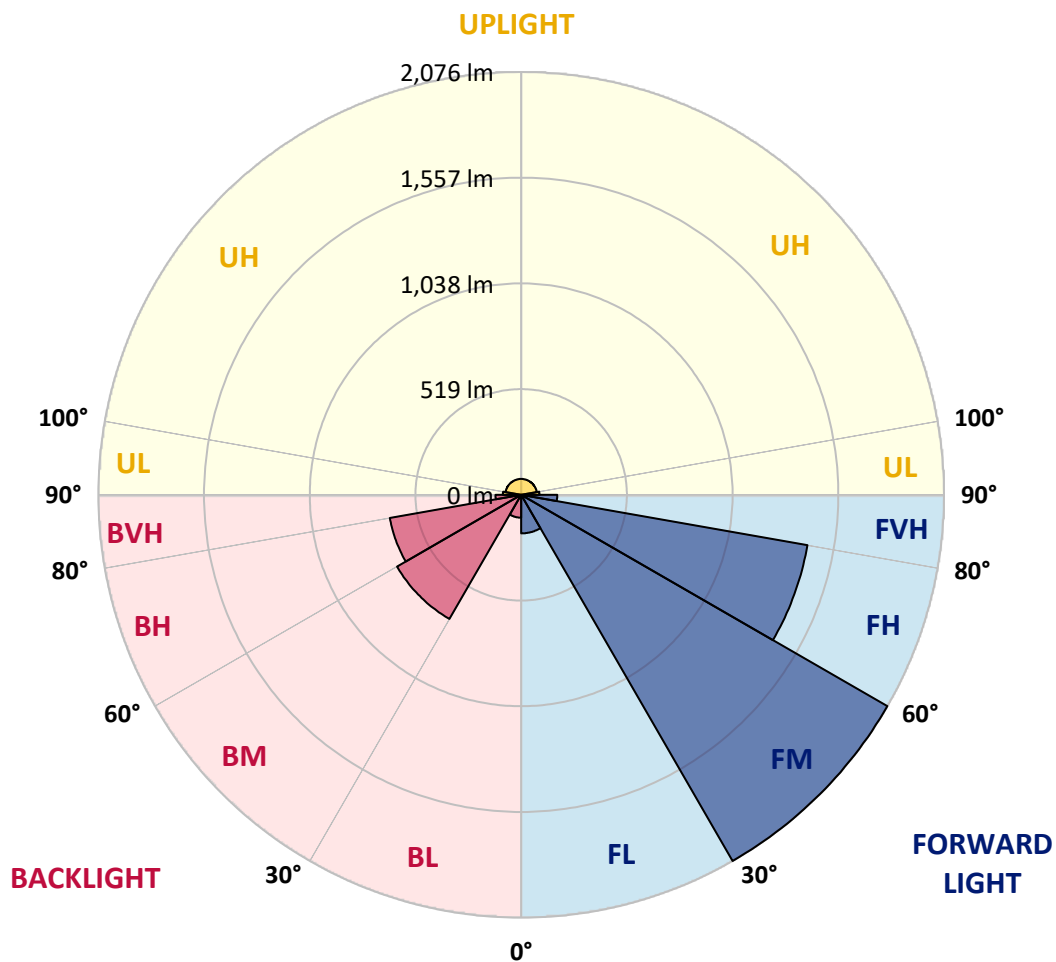
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.4	3.4			
FM (30°-60°)	2075.9	36.9			
FH (60°-80°)	1427.2	25.4			G1/1800
FVH (80°-90°)	177.0	3.1			G2/225
BL (0°-30°)	112.2	2.0	B1/500		
BM (30°-60°)	703.7	12.5	B1/1000		
BH (60°-80°)	654.5	11.6	B2/1000		G2/1000
BVH (80°-90°)	126.0	2.2			G2/225
UL (90°-100°)	90.0	1.6		U3/500	
UH (100°-180°)	77.9	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9
2.5°	182.8	181.5	180.2	178.9	177.6	176.3	173.7	170.5	167.9	167.9	165.3
5°	199.7	198.4	196.4	193.8	191.2	188.6	183.4	178.3	173.1	173.1	168.5
7.5°	220.4	219.7	217.2	213.9	208.1	202.2	195.8	188.0	180.9	180.2	174.4
10°	247.0	245.7	241.8	237.3	230.8	223.0	213.9	204.2	193.8	193.2	186.0
12.5°	283.9	281.3	274.8	267.7	255.4	247.6	237.3	228.2	220.4	218.5	208.7
15°	331.9	328.7	321.5	309.2	293.0	278.7	272.9	263.2	254.8	252.2	243.1
17.5°	393.5	390.2	377.9	358.5	341.6	327.4	314.4	304.7	297.5	296.9	283.9
20°	477.7	470.0	449.9	422.6	400.6	383.1	365.0	353.9	346.8	344.2	336.4
22.5°	581.5	579.5	551.0	515.3	479.0	447.3	427.2	414.9	409.7	410.3	405.8
25°	713.7	707.9	680.6	628.8	574.3	534.1	506.3	498.5	497.8	493.3	491.4
27.5°	855.0	847.2	811.6	761.7	689.7	635.3	604.1	595.7	597.7	592.5	596.4
30°	1028.1	1024.2	972.3	899.7	821.9	750.6	718.2	711.1	715.6	722.1	718.2
32.5°	1242.0	1247.8	1177.2	1079.3	970.4	888.1	852.4	849.8	856.3	855.0	853.1
35°	1502.6	1513.0	1415.1	1296.5	1146.7	1048.8	1004.1	1000.9	1013.8	1012.5	1013.8
37.5°	1781.3	1785.9	1706.1	1518.1	1343.8	1208.3	1171.3	1167.5	1179.8	1172.6	1165.5
40°	2001.1	2022.5	1929.1	1767.7	1540.2	1402.1	1357.4	1336.0	1325.0	1317.2	1265.3
42.5°	2209.2	2196.2	2130.1	1950.5	1741.8	1591.4	1531.8	1491.6	1455.9	1450.7	1393.7
45°	2345.3	2329.1	2266.2	2100.2	1904.5	1780.0	1724.9	1676.3	1636.1	1618.0	1549.3
47.5°	2353.1	2345.3	2330.4	2205.9	2034.8	1926.5	1908.4	1882.4	1838.4	1839.0	1750.9
50°	2234.4	2222.1	2265.5	2218.2	2099.6	2042.6	2111.3	2139.8	2083.4	2077.6	1986.2
52.5°	2024.4	2017.9	2097.0	2143.7	2101.5	2123.6	2286.9	2390.7	2346.6	2323.2	2205.3
55°	1811.8	1819.6	1888.3	1963.5	2032.8	2146.9	2442.5	2649.3	2562.4	2546.9	2399.7
57.5°	1522.0	1548.0	1650.4	1768.4	1877.3	2114.5	2524.2	2813.3	2791.3	2785.4	2659.7
60°	1204.4	1201.8	1353.5	1525.3	1704.2	2007.6	2528.7	3019.4	3141.9	3114.1	2936.5
62.5°	935.4	941.9	1050.8	1266.0	1505.8	1844.8	2466.5	3111.5	3193.2	3161.4	3006.5
65°	677.4	687.8	820.7	994.4	1265.3	1625.1	2289.5	2986.4	3262.5	3243.1	3155.6
66°	608.7	599.6	716.3	913.3	1170.7	1527.9	2178.0	2910.5	3266.4	3255.4	3151.0
67.5°	489.4	501.1	591.2	763.0	1018.4	1372.9	1976.4	2789.3	3165.3	3150.4	3080.4
70°	362.4	373.4	435.0	572.4	772.7	1094.9	1634.2	2409.5	2926.7	2937.8	2930.0
72.5°	268.4	280.0	322.2	421.3	571.7	814.2	1295.2	2030.9	2502.8	2528.7	2510.6
75°	208.7	213.3	248.3	317.6	418.1	573.7	958.1	1573.9	2037.4	2085.3	2102.2
77.5°	167.9	171.8	200.3	245.0	313.1	418.8	671.6	1173.3	1612.8	1646.5	1678.3
80°	135.5	138.1	161.4	197.1	239.8	299.5	453.1	852.4	1237.5	1256.9	1303.6
82.5°	108.9	110.8	127.7	158.2	191.9	227.5	322.2	595.1	971.7	989.8	1048.8
85°	85.6	86.9	101.8	125.8	154.3	180.2	232.7	420.7	700.1	716.9	788.2
87.5°	67.4	68.7	80.4	97.9	124.5	142.6	171.8	283.3	472.6	496.5	577.6
90°	53.2	53.8	62.2	75.8	96.6	116.0	134.8	197.7	315.0	328.7	374.0
92.5°	40.2	40.8	47.3	57.7	75.2	92.0	103.1	136.8	201.6	207.4	239.8
95°	29.8	30.5	35.7	42.1	56.4	72.0	79.7	95.9	127.1	134.8	143.3
97.5°	23.3	24.0	27.2	31.1	41.5	56.4	63.5	70.7	86.9	89.5	95.9
100°	20.1	20.1	22.0	24.6	31.1	44.1	49.9	55.7	65.5	65.5	69.4
102.5°	16.9	16.9	18.2	19.4	25.3	35.0	40.2	44.1	49.3	49.9	53.2
105°	14.9	14.9	15.6	16.9	21.4	28.5	33.1	35.0	38.2	38.2	39.5
107.5°	13.0	13.0	13.6	14.3	18.8	24.0	26.6	27.2	28.5	28.5	30.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	12.3	12.3	12.3	13.0	16.2	20.7	22.0	21.4	22.0	22.0	24.0
112.5°	11.7	11.0	11.0	11.7	14.9	18.2	18.2	17.5	17.5	17.5	19.4
115°	11.0	11.0	10.4	11.0	13.6	15.6	15.6	14.3	14.3	14.3	16.2
117.5°	11.0	11.0	10.4	10.4	12.3	14.3	13.6	12.3	11.7	12.3	14.3
120°	11.0	11.0	9.7	9.7	11.7	12.3	12.3	10.4	10.4	10.4	12.3
122.5°	11.0	11.0	9.7	9.7	11.0	11.7	11.0	9.1	9.1	9.1	11.0
125°	11.7	11.0	9.7	9.7	10.4	10.4	9.7	8.4	7.8	7.8	9.7
127.5°	11.7	11.7	10.4	9.7	9.7	9.7	9.1	7.8	7.1	7.1	9.1
130°	13.0	12.3	11.0	9.7	9.1	8.4	7.8	7.1	7.1	7.1	8.4
132.5°	13.0	13.0	11.0	9.1	8.4	7.8	7.1	5.8	6.5	6.5	7.8
135°	12.3	11.7	9.7	8.4	7.8	6.5	5.8	5.2	5.8	5.8	7.1
137.5°	11.0	10.4	9.1	7.1	6.5	5.2	4.5	3.9	4.5	4.5	5.8
140°	9.1	9.1	7.1	5.8	5.2	4.5	3.9	2.6	3.2	3.9	4.5
142.5°	7.8	7.1	5.8	4.5	3.9	3.2	2.6	1.9	2.6	2.6	3.2
145°	6.5	5.8	4.5	3.2	2.6	1.9	1.3	1.3	1.3	1.3	1.9
147.5°	5.2	4.5	3.2	1.9	1.3	1.3	0.6	0.6	1.3	1.3	1.3
150°	3.9	3.9	2.6	1.3	0.6	0.6	0.0	0.6	0.6	0.6	0.6
152.5°	3.2	3.2	1.9	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9
2.5°	164.6	163.4	162.1	160.8	159.5	158.8	156.9	155.6	155.6	155.6	154.9
5°	166.6	164.0	160.8	158.2	154.9	152.3	150.4	148.4	147.1	147.1	147.1
7.5°	171.1	168.5	162.7	157.5	153.0	149.1	146.5	144.6	143.9	143.3	143.3
10°	181.5	177.0	169.2	161.4	154.9	149.7	147.1	145.9	145.2	145.2	145.2
12.5°	204.8	198.4	186.7	173.7	162.7	154.9	152.3	152.3	156.2	158.2	158.2
15°	236.0	230.1	216.5	198.4	180.9	167.9	165.9	170.5	175.7	178.3	177.6
17.5°	278.7	271.0	252.8	228.8	205.5	192.5	186.7	191.2	197.7	200.9	200.9
20°	329.3	321.5	296.9	264.5	236.0	221.7	212.6	212.6	221.0	223.6	224.9
22.5°	398.7	387.0	352.0	307.3	270.3	248.3	237.3	235.3	245.0	249.6	248.3
25°	476.4	467.4	426.5	359.8	311.8	276.1	261.2	261.2	273.6	283.9	284.6
27.5°	585.3	562.7	505.6	423.9	352.0	302.1	285.9	289.1	302.1	312.4	312.4
30°	699.4	683.2	599.6	492.0	390.9	326.1	302.7	307.9	319.6	331.2	331.2
32.5°	837.5	810.3	707.2	559.4	426.5	341.6	311.8	318.9	332.5	344.2	344.2
35°	972.3	950.3	815.5	630.1	457.6	348.1	315.7	324.1	339.7	353.9	355.2
37.5°	1129.2	1081.2	921.1	693.6	480.3	349.4	314.4	329.3	350.0	366.2	366.9
40°	1223.2	1165.5	992.4	740.9	490.7	344.9	314.4	333.2	350.7	356.5	355.9
42.5°	1334.7	1262.1	1042.3	746.8	477.7	335.8	313.7	328.7	336.4	336.4	335.8
45°	1484.4	1402.8	1121.4	750.0	451.2	324.8	308.6	318.3	316.3	310.5	308.6
47.5°	1667.9	1568.7	1221.9	761.7	425.2	313.7	302.7	305.3	296.2	283.3	282.6
50°	1887.0	1770.3	1339.9	774.0	402.5	304.7	297.5	294.9	285.9	274.8	273.6
52.5°	2092.5	1951.8	1446.8	782.4	383.7	298.8	293.6	293.0	283.9	269.7	268.4
55°	2278.5	2110.0	1518.8	766.2	366.9	296.2	293.6	294.3	282.6	268.4	266.4
57.5°	2547.5	2362.8	1632.9	742.2	346.8	295.6	295.6	296.2	282.0	268.4	266.4
60°	2781.5	2576.0	1745.0	740.3	327.4	294.9	296.2	295.6	285.2	276.8	274.8
62.5°	2861.9	2666.2	1750.2	693.6	315.0	291.7	293.6	296.9	294.9	291.1	289.1
65°	3013.6	2799.7	1772.2	641.1	297.5	285.9	290.4	298.8	300.1	297.5	295.6
66°	3002.6	2780.9	1750.9	624.9	291.7	282.6	288.5	297.5	300.1	299.5	298.2
67.5°	2948.1	2732.3	1680.2	578.9	283.3	276.8	285.2	294.3	300.1	302.1	300.8
70°	2801.0	2585.8	1539.5	509.5	267.1	263.2	274.8	286.5	296.2	299.5	298.8
72.5°	2386.8	2181.9	1288.0	435.0	244.4	243.7	257.3	271.6	283.3	286.5	285.2
75°	2003.7	1802.1	1057.9	358.5	221.0	221.7	234.7	248.3	257.3	257.3	258.0
77.5°	1606.3	1435.8	838.2	297.5	197.1	197.1	206.1	217.2	223.0	220.4	216.5
80°	1235.5	1122.7	654.7	248.9	173.1	171.8	176.3	184.7	189.3	183.4	178.9
82.5°	997.6	900.4	517.9	207.4	149.7	148.4	150.4	156.2	158.8	152.3	150.4
85°	757.1	669.6	389.6	170.5	129.6	126.4	129.6	130.9	134.2	128.3	124.5
87.5°	535.4	474.5	282.6	142.0	110.8	108.9	108.3	109.6	111.5	107.6	105.7
90°	359.8	315.7	204.2	118.6	94.6	91.4	90.1	90.1	91.4	84.9	83.0
92.5°	230.8	204.2	142.0	94.6	79.1	75.2	72.6	73.2	72.6	66.1	64.8
95°	143.9	130.3	102.4	74.5	63.5	60.3	57.7	57.0	56.4	51.9	50.6
97.5°	94.0	89.5	76.5	59.0	50.6	48.0	46.7	46.0	46.0	42.8	40.8
100°	70.0	68.1	60.3	49.3	41.5	39.5	38.2	38.2	39.5	36.9	35.7
102.5°	54.5	55.1	49.3	41.5	35.0	33.7	32.4	32.4	33.7	32.4	31.8
105°	41.5	41.5	40.2	34.4	29.8	29.2	27.9	27.9	29.2	29.2	29.2
107.5°	32.4	33.7	32.4	28.5	25.9	25.3	24.0	24.0	25.3	25.9	26.6



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.9	27.2	26.6	24.6	22.7	22.0	20.7	20.1	21.4	23.3	23.3
112.5°	20.7	22.0	22.0	20.7	19.4	19.4	18.2	17.5	18.8	20.7	20.7
115°	17.5	18.8	18.8	18.2	17.5	16.9	15.6	14.9	16.2	18.2	18.8
117.5°	14.9	16.2	16.2	16.2	15.6	14.9	13.6	13.0	13.6	15.6	16.2
120°	13.6	14.3	14.3	14.3	13.6	13.6	12.3	11.7	12.3	14.3	14.3
122.5°	11.7	12.3	13.0	13.0	12.3	12.3	11.0	9.7	10.4	12.3	13.0
125°	10.4	11.0	11.7	11.7	11.0	11.0	9.7	9.1	9.7	11.0	11.7
127.5°	9.7	10.4	10.4	10.4	10.4	9.7	8.4	7.8	8.4	10.4	10.4
130°	9.1	9.7	9.7	9.7	9.1	8.4	7.8	7.1	7.8	9.7	9.7
132.5°	8.4	9.1	9.1	8.4	8.4	7.8	6.5	5.8	7.1	8.4	8.4
135°	7.1	7.8	7.8	7.8	7.1	6.5	5.8	5.2	6.5	7.1	7.1
137.5°	5.8	6.5	6.5	6.5	5.8	5.2	4.5	4.5	5.2	6.5	6.5
140°	4.5	5.2	5.2	5.2	4.5	4.5	3.9	3.2	4.5	5.2	5.2
142.5°	3.2	3.9	3.9	3.9	3.2	3.2	2.6	2.6	3.9	4.5	4.5
145°	1.9	2.6	2.6	2.6	2.6	1.9	1.9	1.9	2.6	3.2	3.2
147.5°	1.3	1.9	1.9	1.9	1.9	1.3	0.6	1.3	1.9	2.6	2.6
150°	0.6	1.3	1.3	1.3	1.3	0.6	0.0	0.6	1.3	1.9	1.9
152.5°	0.6	0.6	1.3	1.3	0.6	0.6	0.0	0.0	0.6	0.6	0.6
155°	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.0
157.5°	0.0	0.0	0.0	0.6	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)