

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: P416148

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
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-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5513 lumens  
Efficiency: N/A  
Efficacy: 86.1 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 - G3

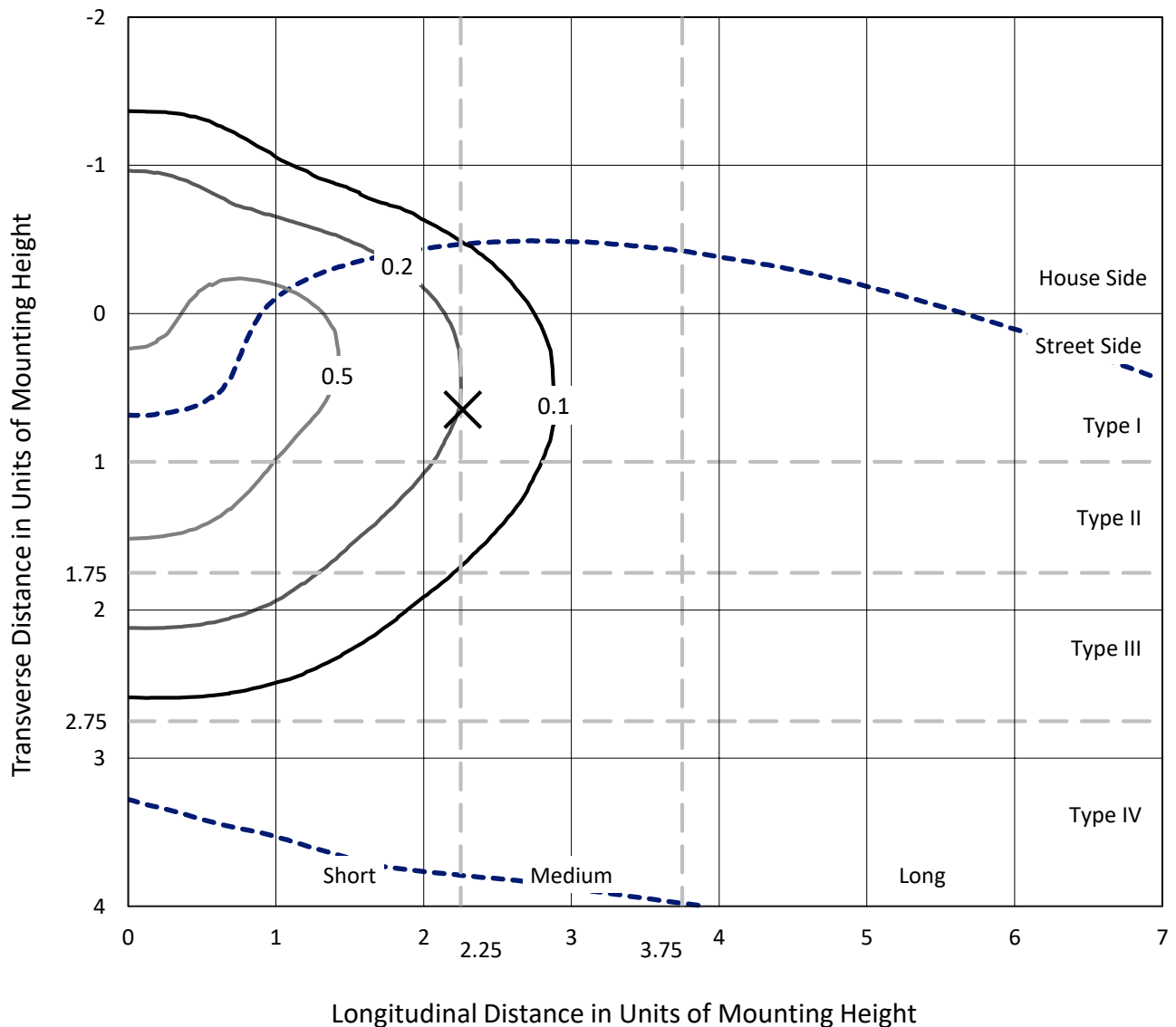
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

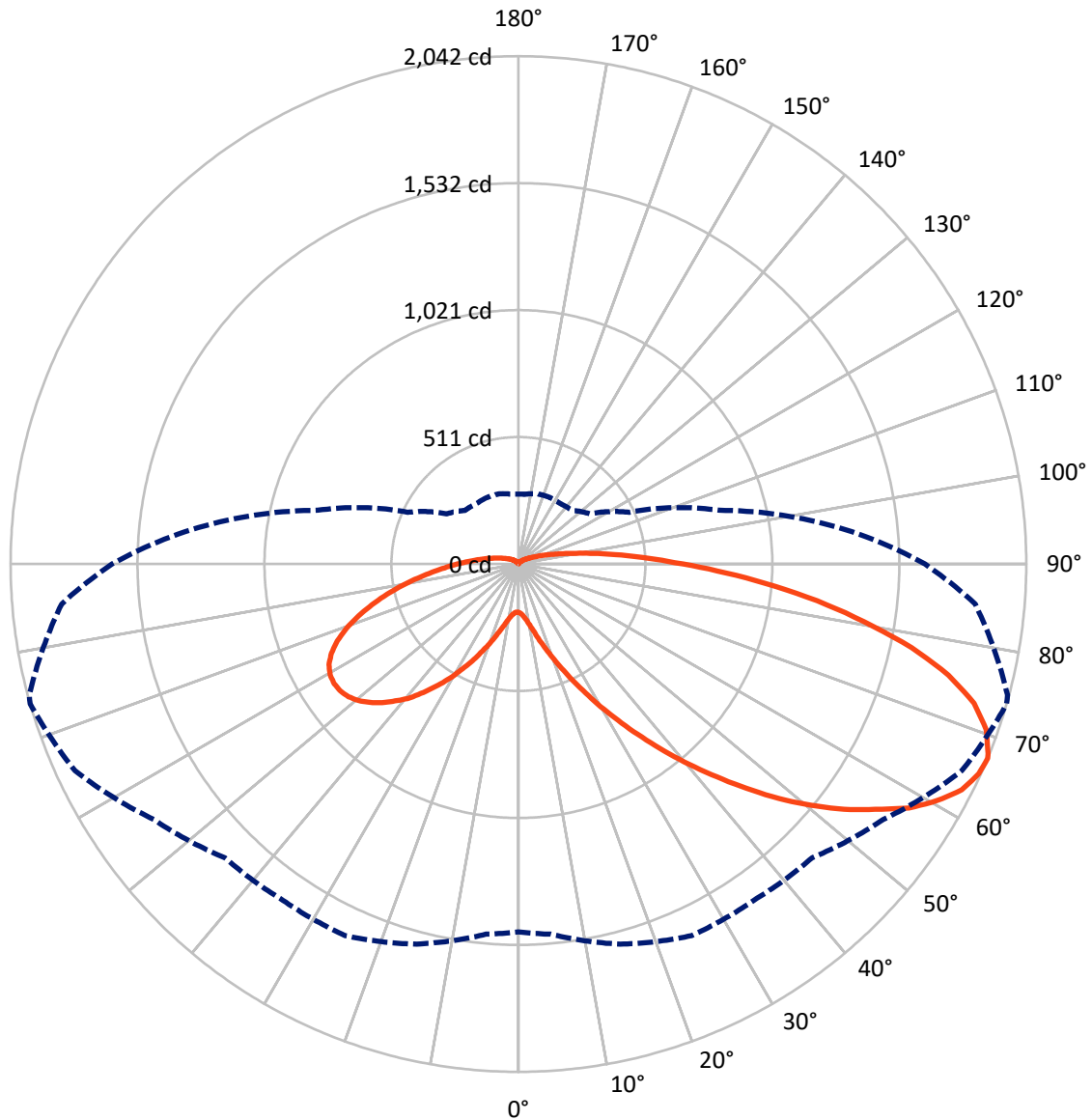
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1328.9	164.3	1493.3
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	3733.6	286.2	4019.7
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	5062.5	450.5	5513.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.5	0.4
10°-20°	84.6	1.5
20°-30°	214.1	3.9
30°-40°	429.7	7.8
40°-50°	721.3	13.1
50°-60°	1011.9	18.4
60°-70°	1131.0	20.5
70°-80°	922.7	16.7
80°-90°	526.7	9.6
90°-100°	240.7	4.4
100°-110°	110.2	2.0
110°-120°	54.3	1.0
120°-130°	27.6	0.5
130°-140°	12.8	0.2
140°-150°	4.2	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5062.5	91.8
0°-180°	5513.0	100.0

**Coefficient of Utilization**



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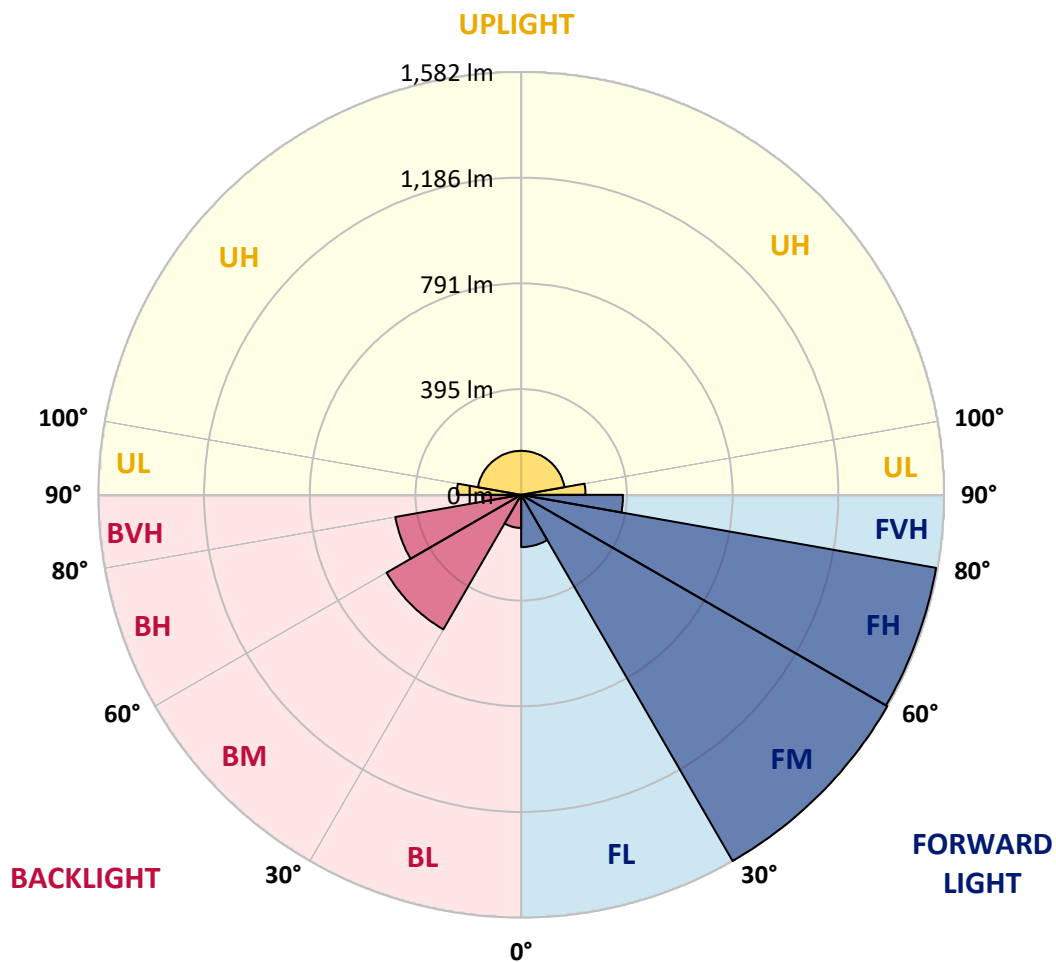
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.4	3.5			
FM	(30°-60°)	1581.5	28.7			
FH	(60°-80°)	1575.8	28.6			G1/1800
FVH	(80°-90°)	380.8	6.9			G3/500
BL	(0°-30°)	123.8	2.2	B1/500		
BM	(30°-60°)	581.4	10.5	B1/1000		
BH	(60°-80°)	477.8	8.7	B1/500		G1/500
BVH	(80°-90°)	145.9	2.6			G2/225
UL	(90°-100°)	240.7	4.4		U3/500	
UH	(100°-180°)	164.3	3.0		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	211.3	210.0	210.0	208.7	208.1	205.5	203.6	201.0	199.7	199.0	197.1
5°	230.8	228.8	228.8	227.5	224.9	221.7	217.2	214.6	210.0	210.7	204.8
7.5°	254.1	253.5	252.2	249.6	246.3	242.4	237.9	232.1	226.9	226.9	219.8
10°	285.2	281.3	281.3	278.1	274.9	269.0	262.5	256.1	248.9	248.3	238.6
12.5°	322.8	322.2	318.3	313.8	308.6	302.7	292.4	285.9	278.7	278.1	267.7
15°	366.9	365.0	359.8	357.8	350.1	339.7	331.3	324.8	317.6	315.1	301.4
17.5°	418.8	416.2	414.2	404.5	398.0	389.6	379.9	371.4	359.1	357.8	342.9
20°	479.7	473.9	468.0	460.3	449.9	442.1	431.7	424.0	409.7	409.7	389.6
22.5°	543.9	542.6	537.4	524.4	510.2	502.4	492.7	477.1	465.4	462.2	440.2
25°	621.7	620.4	610.0	596.4	581.5	569.8	554.3	537.4	527.7	527.0	502.4
27.5°	709.8	711.8	693.6	676.1	656.0	637.2	620.4	612.0	599.0	597.0	568.5
30°	816.2	807.7	788.9	763.6	735.8	711.8	694.3	685.9	677.4	676.8	642.4
32.5°	924.4	914.7	898.5	863.5	824.6	787.6	779.2	772.1	762.3	757.2	722.8
35°	1044.3	1036.6	1013.2	967.2	915.3	875.1	857.6	858.9	854.4	851.8	810.3
37.5°	1176.6	1163.0	1131.2	1086.5	1010.0	966.5	946.4	957.5	954.9	949.7	906.3
40°	1301.0	1299.1	1265.4	1196.0	1118.9	1057.3	1043.7	1062.5	1059.2	1052.8	1004.8
42.5°	1445.0	1430.7	1393.1	1315.3	1222.0	1153.9	1139.0	1166.9	1170.7	1172.0	1107.9
45°	1568.1	1561.6	1526.0	1436.5	1328.9	1255.0	1242.7	1272.5	1285.5	1286.8	1216.1
47.5°	1688.1	1685.5	1649.2	1556.5	1433.3	1354.8	1338.6	1381.4	1408.7	1402.8	1319.2
50°	1778.2	1782.7	1753.5	1665.4	1537.0	1443.7	1447.5	1500.1	1525.3	1522.1	1429.4
52.5°	1855.3	1848.8	1836.5	1752.9	1619.3	1533.8	1538.3	1601.2	1638.8	1636.8	1533.8
55°	1883.8	1881.9	1883.2	1815.1	1686.8	1607.7	1621.3	1710.1	1741.2	1737.3	1618.7
57.5°	1878.0	1876.7	1896.8	1852.1	1741.2	1666.0	1697.1	1799.5	1850.8	1845.6	1708.1
60°	1833.9	1828.1	1871.5	1855.3	1763.2	1702.3	1756.8	1878.0	1933.1	1931.8	1781.4
62.5°	1734.7	1743.8	1804.1	1819.0	1756.8	1721.1	1792.4	1938.9	2000.5	1996.0	1833.9
65°	1596.6	1619.3	1691.9	1743.8	1712.7	1704.3	1805.4	1966.2	2034.2	2033.6	1852.7
67°	1478.7	1494.2	1582.4	1648.5	1650.5	1669.9	1790.5	1966.8	2042.0	2036.2	1843.6
67.5°	1437.2	1457.9	1547.4	1627.8	1636.2	1660.2	1784.6	1965.5	2036.8	2033.6	1839.1
70°	1249.2	1273.2	1371.1	1472.2	1524.0	1575.9	1731.5	1929.2	1995.3	1988.2	1786.6
72.5°	1058.6	1092.3	1185.0	1304.9	1380.8	1466.3	1639.4	1838.4	1916.2	1901.3	1684.2
75°	875.8	898.5	988.6	1118.2	1216.8	1332.8	1513.7	1715.9	1785.9	1773.6	1553.9
77.5°	698.2	718.9	805.8	936.1	1047.6	1177.9	1366.5	1562.3	1616.7	1609.6	1388.6
80°	551.0	565.9	649.5	765.6	880.3	1019.7	1198.6	1373.6	1409.3	1414.5	1206.4
82.5°	424.0	443.4	516.0	618.4	726.7	859.6	1015.2	1170.1	1209.6	1196.7	1019.7
85°	324.1	340.3	405.2	492.0	600.3	712.4	851.2	978.2	995.7	980.8	826.5
87.5°	253.5	265.8	316.3	400.6	486.8	582.8	693.6	790.9	799.9	797.4	661.9
90°	196.4	207.4	249.6	316.3	395.4	477.8	564.6	632.7	628.2	632.0	521.8
92.5°	154.3	160.1	198.4	257.4	323.5	389.6	455.7	501.1	500.5	489.4	407.1
95°	125.1	128.4	161.4	210.7	263.8	316.3	365.6	394.8	393.5	381.8	317.6
97.5°	101.1	103.1	131.6	173.1	217.8	258.7	294.3	315.1	304.7	300.1	248.9
100°	83.0	84.3	108.9	144.6	181.5	216.5	241.8	250.2	236.0	233.4	195.8
102.5°	70.7	71.3	92.1	122.5	151.7	178.3	197.1	201.0	184.1	185.4	154.3
105°	60.3	60.9	77.1	104.4	129.0	149.1	162.7	160.8	147.2	145.2	123.2
107.5°	52.5	53.2	66.1	89.5	110.9	127.7	134.8	130.3	118.0	115.4	99.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	46.0	46.7	57.0	76.5	95.3	109.6	113.4	106.3	95.3	92.7	81.7
112.5°	41.5	41.5	49.9	66.1	83.0	94.6	95.9	88.8	76.5	75.2	68.1
115°	37.6	37.6	44.1	57.0	72.0	81.0	81.0	72.6	62.9	62.2	57.0
117.5°	34.4	34.4	38.9	49.9	62.2	70.0	68.7	60.9	52.5	51.9	49.3
120°	31.8	31.8	35.0	43.4	53.8	59.6	58.3	50.6	44.1	43.4	42.1
122.5°	29.2	29.8	31.8	38.2	46.7	51.2	49.9	43.4	37.6	37.0	37.0
125°	27.2	27.2	28.5	33.1	40.2	44.1	42.1	35.7	31.8	31.8	31.8
127.5°	25.3	25.3	25.9	29.2	34.4	37.0	35.0	29.8	27.9	27.2	27.9
130°	23.3	23.3	24.0	25.3	29.2	30.5	28.5	25.3	23.3	23.3	24.0
132.5°	21.4	21.4	21.4	22.0	24.0	25.3	23.3	20.7	20.1	20.1	20.7
135°	19.4	20.1	19.4	19.4	20.1	20.1	18.2	16.9	16.9	17.5	18.2
137.5°	17.5	17.5	16.9	16.2	16.2	15.6	14.3	13.6	14.3	14.3	14.9
140°	15.6	15.6	14.9	13.6	12.3	11.7	11.0	10.4	11.7	11.7	12.3
142.5°	13.6	13.6	12.3	11.0	9.1	7.8	7.1	7.8	9.1	9.1	9.7
145°	11.0	11.0	10.4	9.1	6.5	5.2	4.5	5.8	6.5	6.5	7.1
147.5°	9.1	8.4	7.8	6.5	4.5	3.2	2.6	3.9	4.5	4.5	5.2
150°	6.5	6.5	5.8	4.5	2.6	1.3	1.3	1.9	2.6	2.6	3.2
152.5°	4.5	4.5	3.9	2.6	1.3	0.0	0.6	1.3	1.3	1.3	1.9
155°	2.6	2.6	2.6	1.9	0.6	0.0	0.0	0.6	0.6	0.6	1.3
157.5°	1.3	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	1.3	0.6	0.6	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°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	195.8	194.5	193.2	191.2	189.9	188.6	187.3	186.7	186.7	186.0	186.7
5°	202.9	201.0	197.1	193.8	189.9	187.3	184.8	183.5	182.2	181.5	181.5
7.5°	215.9	213.3	206.8	201.0	195.1	190.6	187.3	184.1	182.8	182.2	182.2
10°	234.7	230.8	221.1	212.6	204.2	198.4	192.5	189.3	187.3	186.0	186.0
12.5°	261.2	254.8	242.4	228.2	217.2	209.4	202.3	199.0	198.4	198.4	198.4
15°	296.9	287.8	269.0	252.2	236.0	222.4	217.2	217.2	216.5	215.9	216.5
17.5°	333.9	323.5	300.1	278.7	258.7	245.0	236.6	234.7	234.0	233.4	234.0
20°	377.9	365.0	337.7	308.6	283.3	270.3	258.7	253.5	252.8	253.5	252.2
22.5°	427.8	413.6	373.4	338.4	310.5	292.4	278.7	271.6	272.9	272.9	272.3
25°	488.1	466.1	418.8	371.4	337.7	312.5	296.9	289.8	290.4	291.7	293.0
27.5°	549.1	523.8	463.5	405.8	361.7	332.6	314.4	306.6	306.0	309.9	309.2
30°	620.4	588.0	512.8	440.8	383.8	346.8	328.0	321.5	320.9	324.1	324.8
32.5°	696.9	656.7	564.0	475.8	403.2	359.1	337.7	333.2	331.9	335.1	335.8
35°	780.5	729.3	613.9	506.3	419.4	367.6	345.5	340.3	338.4	341.6	342.9
37.5°	861.5	801.9	665.1	533.5	432.4	372.7	348.8	344.9	342.3	344.2	344.9
40°	947.1	883.6	717.0	558.1	440.2	375.3	350.1	346.2	343.6	343.6	343.6
42.5°	1041.1	958.8	759.1	575.6	444.7	374.7	348.8	344.2	341.0	338.4	338.4
45°	1137.7	1039.8	802.5	589.9	445.3	371.4	345.5	341.6	336.4	331.3	330.6
47.5°	1231.7	1113.0	840.8	597.7	443.4	366.9	341.0	335.8	331.3	323.5	323.5
50°	1323.1	1186.3	872.5	601.6	437.6	361.7	336.4	331.3	325.4	315.1	313.8
52.5°	1406.7	1253.1	896.5	600.3	429.1	354.6	330.6	326.1	318.9	306.6	306.6
55°	1489.0	1314.7	911.4	591.9	418.8	346.8	325.4	320.9	313.1	300.1	298.8
57.5°	1556.5	1358.7	917.3	578.9	407.1	338.4	320.2	315.7	308.6	294.3	294.3
60°	1613.5	1395.7	913.4	562.0	394.1	330.6	313.8	311.2	304.7	291.1	291.1
62.5°	1646.6	1410.6	898.5	540.6	379.2	322.2	307.9	306.6	300.8	287.8	287.8
65°	1653.7	1400.9	868.0	514.1	364.3	312.5	301.4	300.8	296.9	284.6	283.3
67°	1634.2	1375.6	834.3	491.4	351.4	304.7	295.6	295.6	292.4	281.3	280.7
67.5°	1627.1	1365.9	825.2	485.5	348.8	303.4	294.3	295.0	291.7	280.7	278.7
70°	1564.9	1300.4	769.5	452.5	330.6	291.7	285.9	286.5	283.9	275.5	273.6
72.5°	1468.3	1206.4	704.0	420.7	312.5	280.0	274.2	276.8	274.2	267.7	263.8
75°	1338.0	1091.7	635.9	384.4	294.3	265.8	261.9	263.2	262.5	256.1	252.8
77.5°	1184.4	965.2	563.3	350.7	274.2	251.5	247.6	249.6	248.3	242.4	238.6
80°	1017.8	831.7	493.3	317.0	253.5	235.3	231.4	232.1	231.4	225.6	220.4
82.5°	854.4	700.8	422.0	283.9	233.4	217.8	213.3	212.6	211.3	204.8	201.0
85°	705.3	575.6	360.4	252.2	212.6	198.4	194.5	191.9	189.9	182.8	180.2
87.5°	562.0	470.6	304.7	224.9	191.9	180.2	175.0	170.5	167.2	160.8	158.2
90°	448.6	379.2	259.9	197.1	173.1	162.7	155.6	149.7	145.9	138.7	134.8
92.5°	355.9	302.1	218.5	173.1	154.9	145.9	139.4	132.2	127.1	118.0	116.0
95°	282.0	243.1	184.1	151.7	137.4	129.7	123.8	116.0	108.9	99.8	97.9
97.5°	223.0	198.4	154.9	132.9	121.2	114.7	108.9	101.1	93.3	84.3	83.0
100°	178.3	159.5	132.9	116.0	108.3	101.8	95.9	88.8	79.1	70.0	70.0
102.5°	143.3	130.9	111.5	101.8	95.3	90.1	84.9	77.8	67.4	57.7	57.7
105°	116.0	108.3	95.9	88.8	84.3	80.4	75.2	66.8	56.4	48.6	48.6
107.5°	95.3	89.5	82.3	77.1	74.5	70.7	66.1	57.7	48.0	40.8	40.8



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	79.1	75.2	70.0	68.1	66.1	62.9	57.7	49.9	40.2	35.0	35.0
112.5°	66.1	64.2	60.3	59.6	58.3	55.7	50.6	42.8	33.7	30.5	30.5
115°	56.4	55.1	52.5	52.5	51.2	49.3	44.1	37.0	29.2	25.9	26.6
117.5°	48.0	47.3	46.0	46.0	45.4	43.4	38.2	31.8	24.6	23.3	23.3
120°	42.1	41.5	40.8	40.2	40.2	37.6	33.1	26.6	21.4	20.7	20.7
122.5°	36.3	36.3	35.7	35.7	35.0	32.4	28.5	22.7	18.8	18.2	18.2
125°	31.8	31.8	31.1	31.1	30.5	28.5	24.6	19.4	16.2	16.2	16.2
127.5°	27.9	27.9	27.2	27.2	26.6	24.0	20.7	16.2	14.3	14.3	14.9
130°	24.6	24.6	24.0	23.3	22.7	20.7	16.9	13.6	12.3	13.0	13.0
132.5°	21.4	20.7	20.7	20.1	18.8	16.9	14.3	11.7	11.0	11.7	11.7
135°	18.2	18.2	17.5	16.9	15.6	14.3	11.7	9.7	9.7	10.4	10.4
137.5°	15.6	15.6	14.9	13.6	13.0	11.0	9.1	7.8	8.4	9.1	9.1
140°	12.3	13.0	12.3	11.0	9.7	8.4	7.1	6.5	7.1	7.8	8.4
142.5°	10.4	10.4	9.7	8.4	7.1	5.8	5.2	5.2	6.5	7.1	7.1
145°	7.8	7.8	7.1	6.5	4.5	3.9	3.2	4.5	5.2	5.8	5.8
147.5°	5.2	5.2	5.2	3.9	2.6	1.9	1.9	3.2	4.5	4.5	4.5
150°	3.2	3.2	3.2	2.6	1.3	0.6	1.3	2.6	3.2	3.9	3.9
152.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.6	1.9	2.6	2.6	2.6
155°	1.3	1.3	1.3	0.6	0.6	0.0	0.6	1.3	1.9	1.9	1.9
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.3	0.6	0.6
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)