

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: P416555

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-830-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6162 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

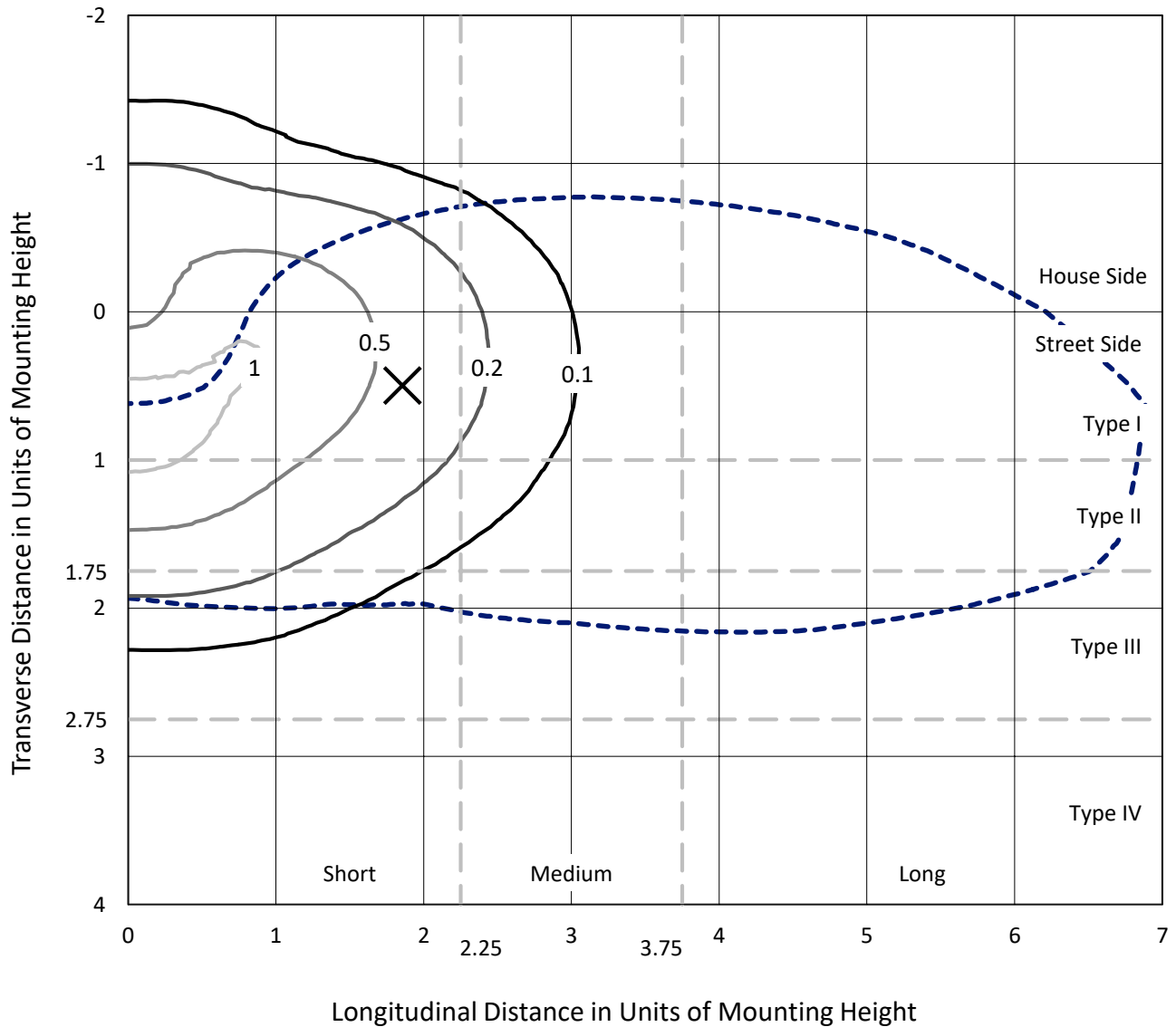
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416555  
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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

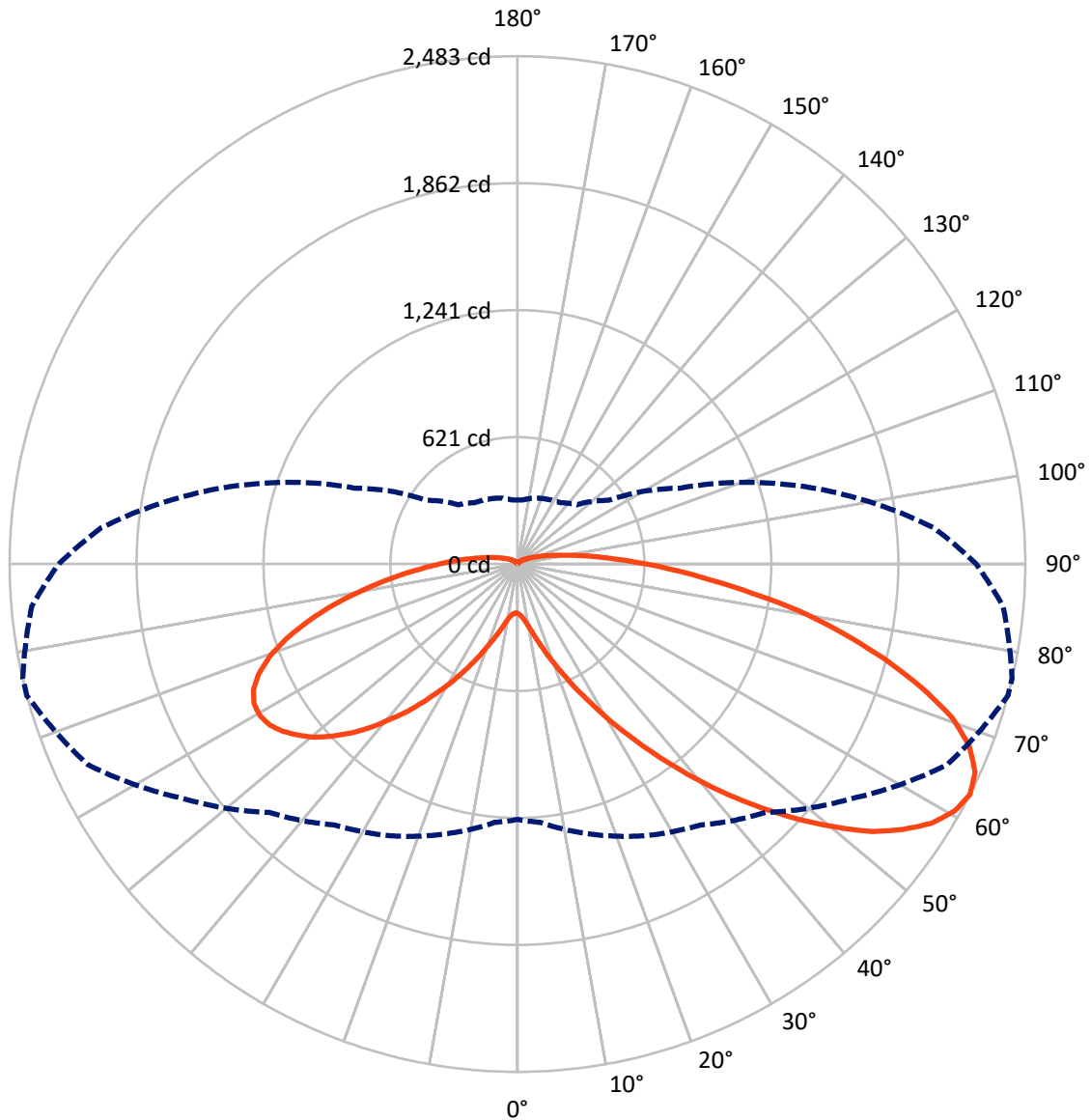


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P416555

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-FL

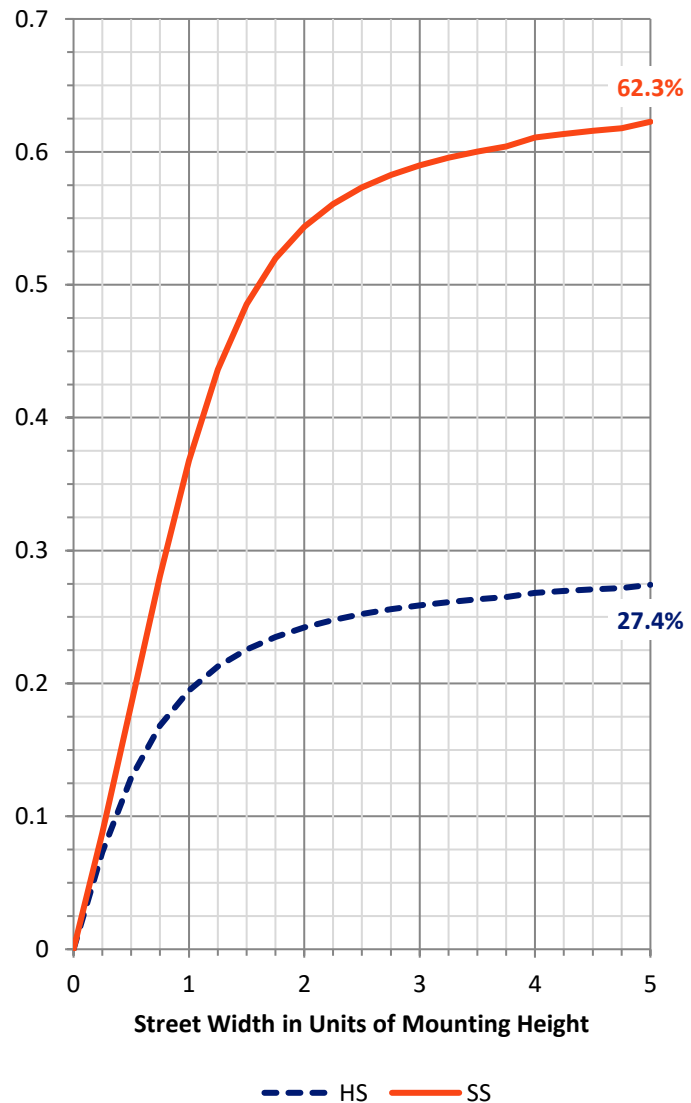
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1762.2	187.4	1949.6
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	3955.2	257.3	4212.4
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	5717.4	444.6	6162.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.5	0.4
10°-20°	107.2	1.7
20°-30°	277.5	4.5
30°-40°	567.8	9.2
40°-50°	941.6	15.3
50°-60°	1221.5	19.8
60°-70°	1203.0	19.5
70°-80°	884.0	14.3
80°-90°	489.2	7.9
90°-100°	231.1	3.7
100°-110°	110.4	1.8
110°-120°	56.3	0.9
120°-130°	29.2	0.5
130°-140°	13.4	0.2
140°-150°	4.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5717.4	92.8
0°-180°	6162.0	100.0



REPORT NUMBER: P416555

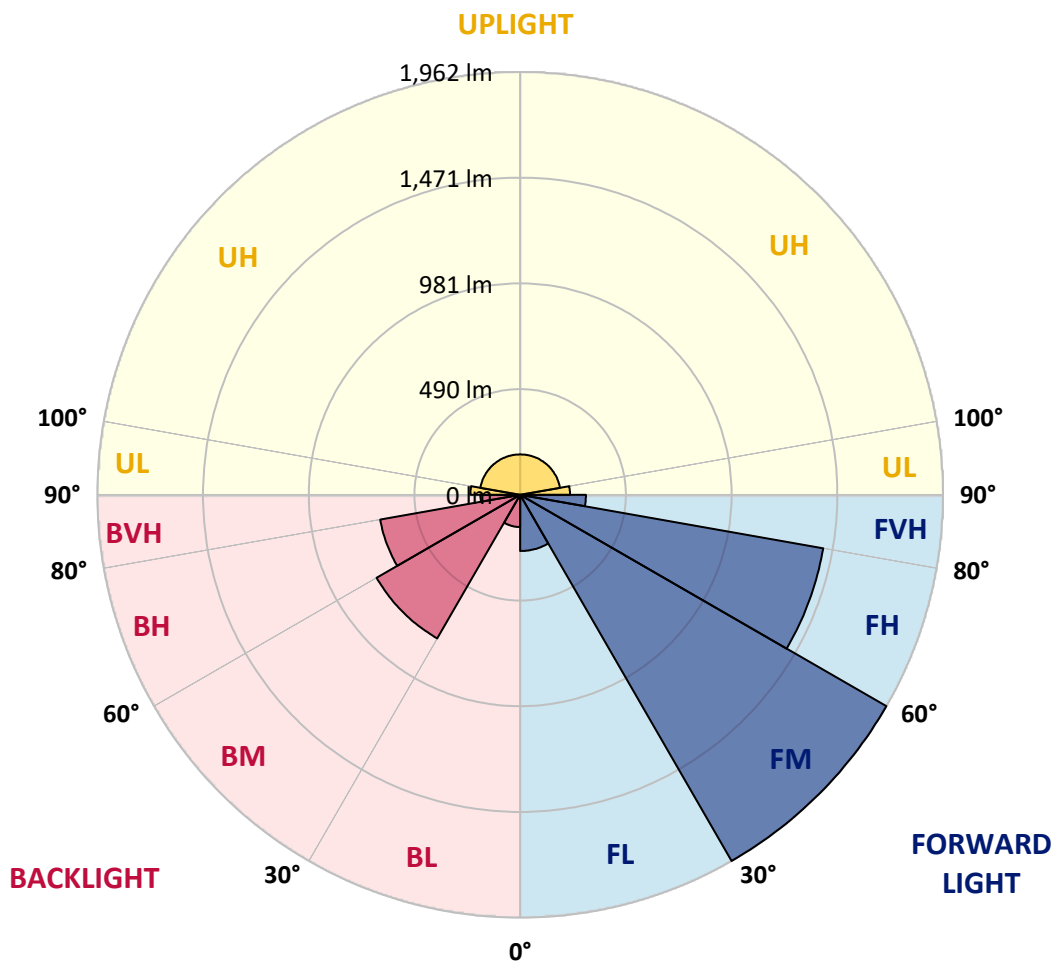
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.7	4.2			
FM	(30°-60°)	1961.7	31.8			
FH	(60°-80°)	1427.9	23.2			G1/1800
FVH	(80°-90°)	304.9	4.9			G3/500
BL	(0°-30°)	149.5	2.4	B1/500		
BM	(30°-60°)	769.2	12.5	B1/1000		
BH	(60°-80°)	659.2	10.7	B2/1000		G2/1000
BVH	(80°-90°)	184.3	3.0			G2/225
UL	(90°-100°)	231.1	3.7		U3/500	
UH	(100°-180°)	187.4	3.0		U3/500	

**BUG Rating: B2-U3-G3**

Type III Short





REPORT NUMBER: P416555

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1
2.5°	269.7	267.5	266.1	263.9	262.4	259.5	256.6	252.3	248.6	247.9	245.0
5°	298.1	294.4	294.4	290.8	285.7	282.1	276.2	269.0	263.2	259.5	256.6
7.5°	334.4	331.5	327.9	325.0	319.9	313.3	305.3	295.9	284.2	282.1	274.8
10°	375.1	373.7	370.8	364.9	358.4	349.7	338.8	327.1	314.0	311.9	299.5
12.5°	428.9	428.9	424.5	416.6	407.1	391.1	381.7	369.3	354.0	351.9	334.4
15°	495.1	492.2	486.3	472.5	461.6	448.5	436.9	420.9	400.6	396.9	380.9
17.5°	567.8	561.9	559.0	546.0	531.4	515.4	499.4	482.0	459.4	453.6	434.7
20°	649.2	652.8	641.9	627.4	605.6	589.6	571.4	548.9	524.1	519.8	497.2
22.5°	751.7	748.8	733.5	713.2	692.1	674.6	651.4	628.8	595.4	591.0	564.9
25°	865.1	862.2	842.6	817.1	793.1	761.9	735.0	711.0	683.3	676.8	645.5
27.5°	976.3	990.9	961.0	929.8	901.4	866.5	834.6	804.0	772.8	767.7	735.0
30°	1128.3	1131.9	1097.0	1054.1	1015.6	972.0	938.5	910.9	884.0	867.3	837.5
32.5°	1286.7	1275.1	1247.5	1195.1	1134.1	1085.4	1048.3	1022.8	997.4	988.7	945.1
35°	1443.8	1443.8	1400.9	1330.3	1250.4	1200.9	1164.6	1149.3	1126.1	1112.3	1063.6
37.5°	1597.9	1595.7	1552.1	1469.2	1387.1	1319.4	1296.2	1278.7	1262.7	1248.9	1189.3
40°	1749.8	1746.2	1693.8	1613.1	1517.2	1447.4	1428.5	1431.4	1412.5	1393.6	1334.0
42.5°	1871.9	1870.5	1829.0	1748.4	1633.5	1571.7	1552.8	1570.2	1561.5	1543.3	1473.6
45°	1969.4	1962.8	1930.1	1847.9	1744.0	1678.6	1683.7	1725.8	1715.6	1706.9	1620.4
47.5°	2010.1	2009.3	1991.2	1919.9	1824.0	1778.2	1807.2	1866.1	1869.8	1862.5	1765.8
50°	1999.2	2002.1	2000.6	1957.0	1878.5	1855.2	1911.2	2011.5	2023.1	2015.9	1916.3
52.5°	1935.2	1936.6	1960.6	1941.7	1897.4	1903.9	2003.5	2132.2	2172.9	2153.3	2049.3
55°	1800.0	1818.1	1865.4	1876.3	1870.5	1914.8	2058.8	2228.2	2289.9	2283.4	2164.9
57.5°	1660.4	1651.7	1719.3	1771.6	1802.1	1885.8	2076.9	2296.5	2389.5	2380.8	2268.1
60°	1456.8	1469.9	1552.8	1627.7	1692.4	1816.0	2060.2	2332.8	2454.2	2449.1	2343.7
62.5°	1248.9	1267.8	1366.0	1465.6	1557.9	1717.1	1997.7	2319.0	2482.6	2481.9	2383.7
65°	1053.4	1073.7	1163.9	1284.5	1402.3	1583.3	1888.7	2260.1	2458.6	2460.1	2376.5
67.5°	879.6	890.5	985.0	1118.1	1232.9	1426.3	1748.4	2143.8	2383.0	2391.0	2318.3
70°	724.8	732.8	824.4	942.9	1075.9	1251.1	1578.2	1994.8	2256.5	2259.4	2213.6
72.5°	594.7	601.9	689.9	795.3	918.2	1097.7	1403.0	1791.2	2066.0	2095.1	2052.2
75°	475.4	490.0	565.6	668.1	777.9	937.8	1217.7	1572.4	1852.3	1877.0	1870.5
77.5°	387.5	407.1	467.4	555.4	656.5	795.3	1032.3	1356.5	1626.2	1646.6	1651.7
80°	312.6	327.1	387.5	465.3	551.0	671.7	862.9	1145.7	1398.7	1400.9	1398.7
82.5°	253.7	264.6	318.4	388.9	464.5	564.9	723.3	956.0	1147.2	1170.4	1174.8
85°	206.5	214.5	261.0	324.2	388.2	473.3	596.8	780.8	932.0	956.0	948.0
87.5°	165.7	176.7	213.7	267.5	327.1	394.7	496.5	631.7	752.4	762.6	761.1
90°	135.9	139.6	176.7	222.5	276.2	327.9	405.6	508.9	599.0	617.2	604.8
92.5°	109.8	115.6	146.8	188.3	230.4	275.5	336.6	418.0	474.0	484.9	479.1
95°	92.3	95.2	123.6	157.8	194.1	234.8	277.7	333.7	375.1	378.7	380.2
97.5°	77.1	80.0	103.2	134.5	165.7	198.5	231.2	272.6	300.2	299.5	297.3
100°	66.2	67.6	88.7	117.0	144.7	168.7	194.1	219.5	236.3	241.4	233.4
102.5°	57.4	58.2	76.3	101.0	124.3	145.4	164.3	182.5	189.0	189.7	186.1
105°	50.9	51.6	66.9	87.2	108.3	124.3	138.9	149.8	152.7	152.7	148.3
107.5°	45.1	45.8	57.4	77.1	96.0	109.0	119.2	125.0	123.6	122.9	119.9
110°	41.4	41.4	50.9	68.3	83.6	95.2	103.2	104.0	100.3	100.3	97.4



REPORT NUMBER: P416555

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	37.8	37.8	45.1	60.3	74.2	84.3	89.4	88.0	82.9	81.4	81.4
115°	34.9	34.9	40.0	53.1	66.2	74.2	77.8	74.2	68.3	67.6	66.9
117.5°	32.7	32.7	36.3	47.3	58.2	65.4	67.6	64.0	57.4	56.7	56.7
120°	30.5	30.5	33.4	41.4	51.6	57.4	58.9	54.5	48.0	48.0	48.7
122.5°	29.1	29.1	30.5	37.1	45.8	50.9	50.9	46.5	40.7	40.7	41.4
125°	27.6	27.6	28.4	32.7	40.0	44.3	43.6	38.5	34.9	34.9	35.6
127.5°	26.2	26.2	26.2	29.1	34.9	38.5	37.8	32.7	29.8	29.8	31.3
130°	24.7	24.7	24.0	25.4	29.8	32.7	31.3	27.6	25.4	25.4	26.9
132.5°	23.3	23.3	21.8	22.5	25.4	26.9	25.4	22.5	21.8	21.8	22.5
135°	21.8	21.1	20.4	19.6	21.1	21.8	20.4	18.2	18.2	18.2	19.6
137.5°	19.6	19.6	18.2	16.7	16.7	16.7	16.0	13.8	14.5	15.3	16.0
140°	18.2	18.2	16.7	14.5	13.1	13.1	11.6	10.9	11.6	12.4	13.1
142.5°	16.0	16.0	14.5	12.4	10.2	8.7	8.0	7.3	8.7	9.5	9.5
145°	13.8	13.8	12.4	9.5	7.3	5.1	4.4	5.1	5.8	6.5	7.3
147.5°	11.6	10.9	9.5	7.3	3.6	2.2	1.5	2.9	3.6	3.6	4.4
150°	8.7	8.7	7.3	5.1	2.2	0.0	0.7	1.5	2.2	2.2	2.9
152.5°	6.5	5.8	5.1	2.9	0.0	0.0	0.0	0.0	0.7	1.5	1.5
155°	3.6	3.6	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	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°	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1
2.5°	243.5	241.4	238.4	236.3	234.1	231.2	229.7	227.5	227.5	227.5	229.0
5°	252.3	249.3	242.8	237.0	231.2	226.8	222.5	219.5	218.1	216.6	217.4
7.5°	268.3	264.6	254.4	244.3	236.3	228.3	222.5	217.4	215.2	214.5	214.5
10°	293.0	286.4	271.2	257.3	245.7	234.8	226.8	220.3	217.4	215.2	215.2
12.5°	326.4	317.0	298.8	279.9	262.4	247.9	236.3	231.2	229.0	227.5	228.3
15°	370.8	360.6	333.0	308.2	285.7	266.1	255.2	250.1	247.2	245.7	245.0
17.5°	422.4	407.8	374.4	342.4	314.0	292.2	278.4	270.4	265.3	262.4	263.2
20°	479.1	460.2	417.3	382.4	346.0	324.2	303.1	290.1	283.5	282.1	282.8
22.5°	543.0	523.4	474.0	423.1	385.3	352.6	327.1	310.4	302.4	301.7	301.7
25°	618.6	592.5	534.3	470.3	421.6	380.2	350.4	330.0	321.3	318.4	318.4
27.5°	704.4	669.5	597.6	524.1	457.3	404.9	370.0	346.8	337.3	335.1	335.1
30°	798.9	762.6	671.0	575.0	491.4	426.7	387.5	362.8	350.4	347.5	348.2
32.5°	902.9	855.6	740.1	629.6	521.2	444.2	399.1	374.4	360.6	356.9	356.9
35°	1015.6	960.3	822.2	682.6	549.6	458.0	407.8	382.4	367.1	363.5	362.8
37.5°	1142.1	1073.0	907.3	731.3	572.1	466.7	413.6	387.5	370.8	365.7	364.9
40°	1274.4	1195.1	985.8	775.7	591.0	471.8	415.1	389.7	372.2	364.2	363.5
42.5°	1398.0	1310.7	1075.2	816.4	602.7	474.0	414.4	388.9	370.8	359.8	359.1
45°	1534.6	1427.8	1157.3	853.5	609.9	472.5	411.5	385.3	367.8	354.0	352.6
47.5°	1677.8	1555.0	1232.9	880.4	612.8	468.2	407.8	382.4	362.8	347.5	346.0
50°	1807.2	1664.0	1303.5	901.4	611.4	461.6	402.0	378.0	358.4	340.9	339.5
52.5°	1933.7	1778.2	1358.7	913.1	604.1	454.4	396.9	372.9	353.3	335.1	333.0
55°	2048.6	1868.3	1408.1	918.2	594.7	444.9	389.7	368.6	348.9	329.3	327.1
57.5°	2137.3	1953.4	1444.5	911.6	580.1	434.0	382.4	362.0	343.9	324.2	322.0
60°	2202.7	2009.3	1461.2	899.3	563.4	421.6	373.7	355.5	338.8	319.9	317.7
62.5°	2242.0	2040.6	1457.6	877.4	542.3	409.3	365.7	348.9	333.7	314.8	313.3
65°	2235.4	2028.2	1429.9	842.6	519.8	393.3	353.3	340.2	326.4	309.0	306.8
67.5°	2182.4	1978.1	1374.0	798.9	494.3	377.3	341.7	328.6	317.0	301.7	297.3
70°	2087.8	1885.8	1293.3	744.4	465.3	359.1	327.9	315.5	305.3	290.8	286.4
72.5°	1928.6	1751.3	1190.8	687.7	434.0	338.0	309.7	299.5	288.6	277.0	271.9
75°	1746.9	1582.6	1070.1	620.8	400.6	317.0	290.8	280.6	270.4	258.1	253.7
77.5°	1549.2	1391.4	945.1	561.9	366.4	293.0	269.7	261.0	250.8	237.7	232.6
80°	1312.9	1187.1	812.0	494.3	332.2	269.7	247.9	238.4	227.5	215.2	210.1
82.5°	1099.9	988.7	689.2	433.3	298.1	245.7	226.8	213.0	202.8	190.5	181.7
85°	899.3	821.5	577.9	372.2	266.1	221.0	202.1	190.5	178.8	164.3	158.5
87.5°	723.3	657.2	474.7	321.3	234.8	197.0	179.6	167.9	154.8	139.6	134.5
90°	572.1	531.4	394.7	276.2	207.9	176.7	159.2	146.8	132.3	118.5	115.6
92.5°	453.6	425.3	326.4	234.8	183.2	156.3	140.3	127.9	113.4	99.6	95.2
95°	364.9	337.3	267.5	205.0	160.7	137.4	123.6	112.0	97.4	83.6	80.7
97.5°	291.5	269.7	219.5	172.3	141.0	122.1	109.8	97.4	82.9	70.5	69.1
100°	228.3	215.2	181.7	148.3	124.3	108.3	96.7	85.8	71.2	58.9	58.2
102.5°	182.5	175.2	151.2	127.9	109.0	96.0	86.5	74.9	61.8	50.2	49.4
105°	146.8	142.5	125.8	109.8	96.7	85.8	77.1	65.4	52.3	42.9	42.9
107.5°	119.2	115.6	105.4	93.8	85.1	77.1	67.6	57.4	45.1	37.1	37.1
110°	97.4	96.0	89.4	81.4	74.9	68.3	59.6	49.4	38.5	32.7	32.7



REPORT NUMBER: P416555

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	81.4	80.7	75.6	71.2	66.2	60.3	53.1	43.6	33.4	28.4	29.1
115°	67.6	67.6	64.7	61.8	58.2	53.8	46.5	37.1	28.4	25.4	25.4
117.5°	57.4	56.7	56.0	53.8	51.6	47.3	40.0	32.0	24.0	22.5	23.3
120°	49.4	49.4	48.0	47.3	45.1	40.7	34.9	26.9	20.4	20.4	20.4
122.5°	42.2	42.9	41.4	40.7	39.3	36.3	29.8	22.5	18.2	17.4	18.2
125°	37.1	37.1	36.3	35.6	34.2	30.5	25.4	18.9	15.3	16.0	16.0
127.5°	31.3	32.0	31.3	30.5	29.8	26.2	21.1	15.3	13.1	13.8	13.8
130°	27.6	27.6	26.9	26.2	24.7	21.8	17.4	12.4	11.6	12.4	12.4
132.5°	23.3	23.3	23.3	21.8	20.4	18.2	13.8	10.2	9.5	10.9	10.9
135°	19.6	19.6	19.6	18.2	16.7	13.8	10.2	8.0	8.0	9.5	9.5
137.5°	16.0	16.7	16.0	14.5	13.1	10.9	8.0	5.8	6.5	8.0	8.0
140°	13.1	13.1	12.4	11.6	9.5	7.3	5.1	4.4	5.8	6.5	6.5
142.5°	10.2	10.2	9.5	8.0	6.5	5.1	2.9	2.9	4.4	5.1	5.1
145°	7.3	7.3	6.5	5.1	3.6	2.2	0.7	1.5	2.9	3.6	3.6
147.5°	4.4	4.4	4.4	3.6	2.2	0.7	0.0	0.7	1.5	2.2	2.2
150°	2.9	2.9	2.9	2.2	1.5	0.0	0.0	0.0	0.7	1.5	1.5
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)