

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: P417335

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417335  
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-PA1-90-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA 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: 6718 lumens  
Efficiency: N/A  
Efficacy: 71.5 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): 94  
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

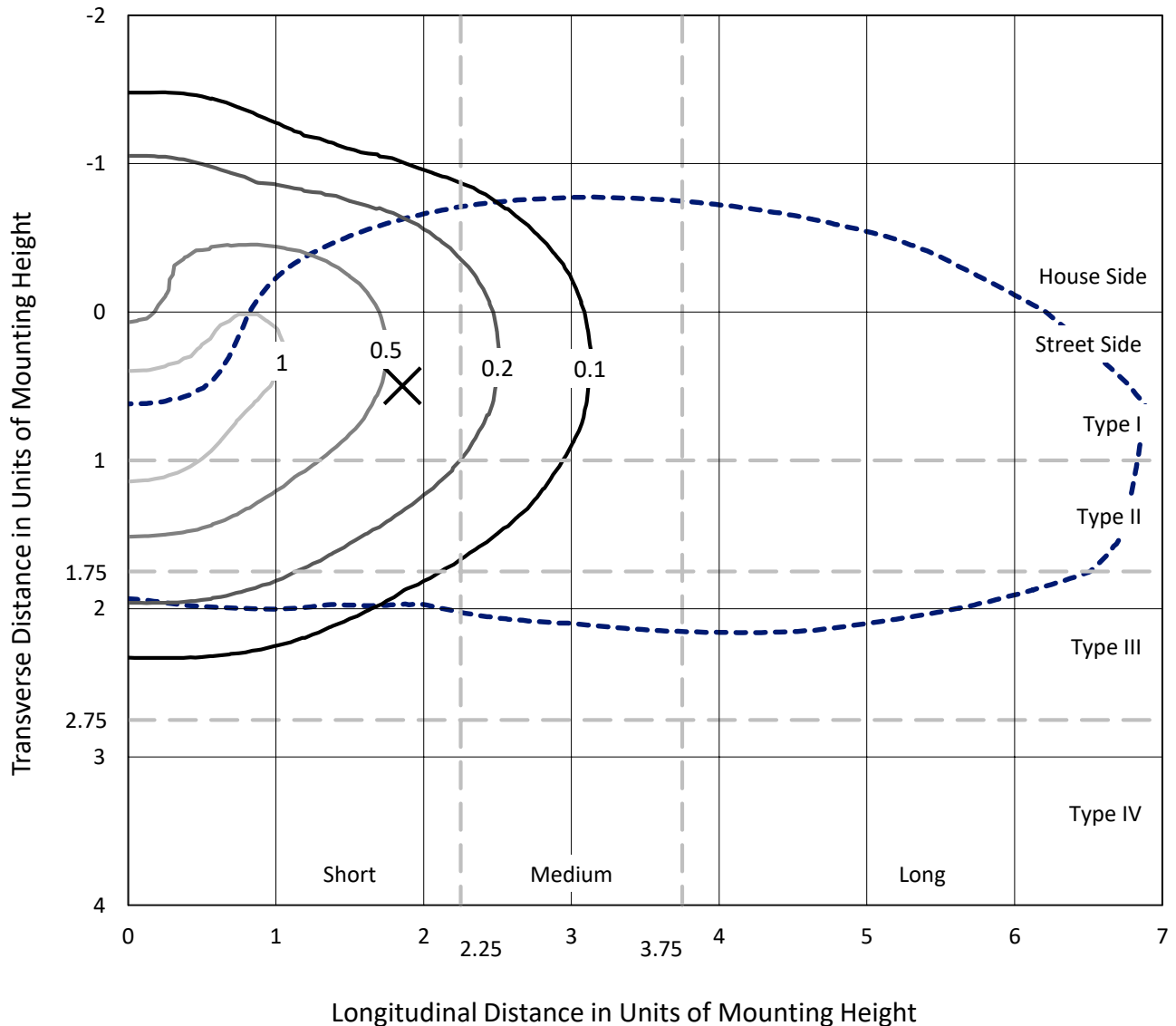


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

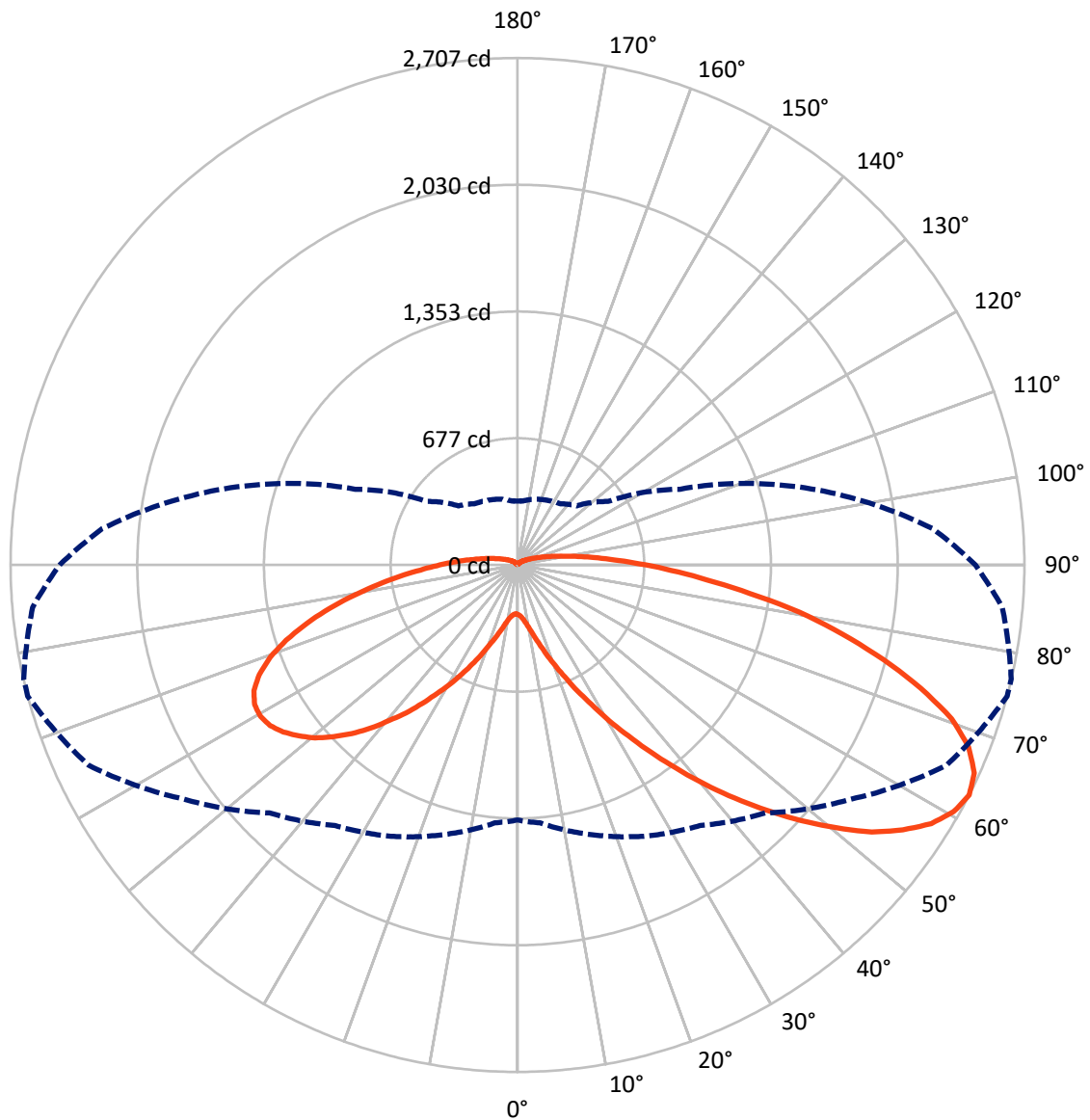


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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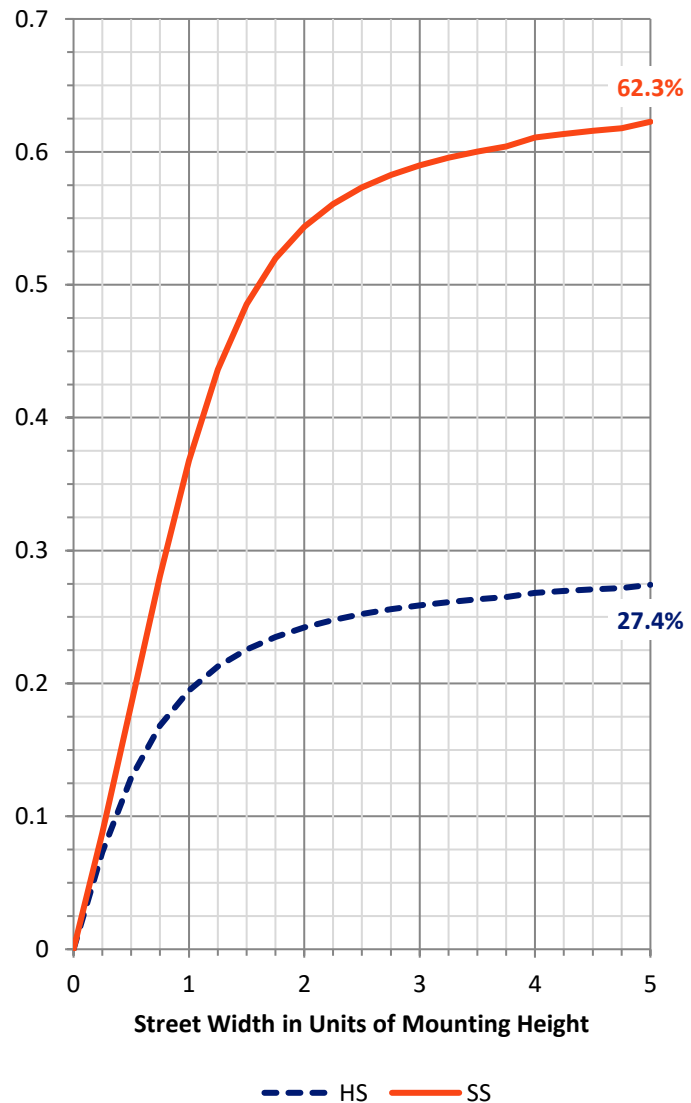
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1921.2	204.3	2125.5
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	4312.0	280.5	4592.5
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	6233.2	484.8	6718.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.8	0.4
10°-20°	116.9	1.7
20°-30°	302.5	4.5
30°-40°	619.0	9.2
40°-50°	1026.5	15.3
50°-60°	1331.7	19.8
60°-70°	1311.6	19.5
70°-80°	963.8	14.3
80°-90°	533.4	7.9
90°-100°	251.9	3.7
100°-110°	120.4	1.8
110°-120°	61.4	0.9
120°-130°	31.8	0.5
130°-140°	14.6	0.2
140°-150°	4.3	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6233.2	92.8
0°-180°	6718.0	100.0



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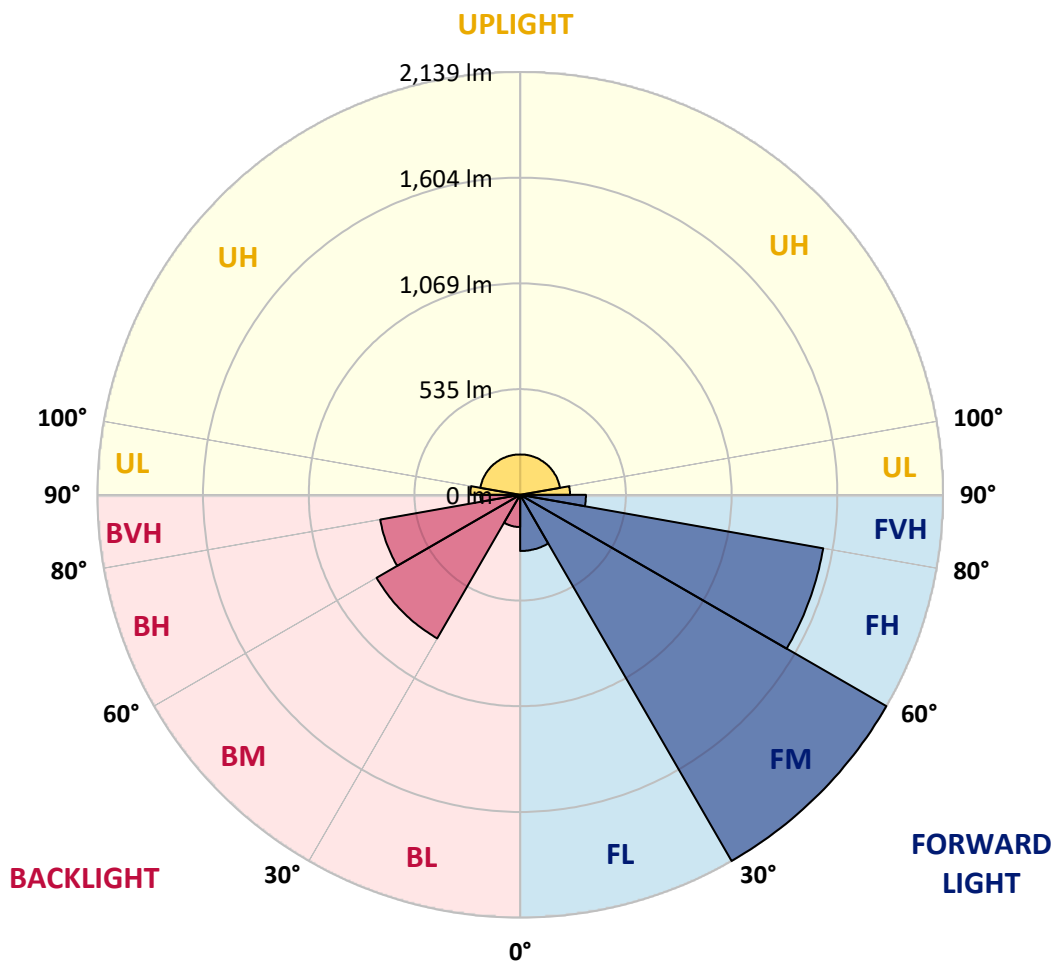
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.2	4.2			
FM	(30°-60°)	2138.7	31.8			
FH	(60°-80°)	1556.7	23.2			G1/1800
FVH	(80°-90°)	332.4	4.9			G3/500
BL	(0°-30°)	163.0	2.4	B1/500		
BM	(30°-60°)	838.6	12.5	B1/1000		
BH	(60°-80°)	718.6	10.7	B2/1000		G2/1000
BVH	(80°-90°)	200.9	3.0			G2/225
UL	(90°-100°)	251.9	3.7		U3/500	
UH	(100°-180°)	204.3	3.0		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9
2.5°	294.0	291.7	290.1	287.7	286.1	282.9	279.8	275.0	271.1	270.3	267.1
5°	324.9	321.0	321.0	317.0	311.5	307.5	301.2	293.2	286.9	282.9	279.8
7.5°	364.6	361.4	357.4	354.3	348.7	341.6	332.9	322.6	309.9	307.5	299.6
10°	409.0	407.4	404.2	397.9	390.7	381.2	369.3	356.7	342.4	340.0	326.5
12.5°	467.6	467.6	462.9	454.1	443.8	426.4	416.1	402.6	386.0	383.6	364.6
15°	539.7	536.6	530.2	515.2	503.3	489.0	476.3	458.9	436.7	432.7	415.3
17.5°	619.0	612.6	609.5	595.2	579.4	561.9	544.5	525.5	500.9	494.6	474.0
20°	707.8	711.7	699.8	684.0	660.2	642.8	623.0	598.4	571.4	566.7	542.1
22.5°	819.5	816.3	799.7	777.5	754.5	735.5	710.1	685.6	649.1	644.4	615.8
25°	943.1	940.0	918.6	890.8	864.7	830.6	801.3	775.1	745.0	737.9	703.8
27.5°	1064.4	1080.3	1047.8	1013.7	982.8	944.7	909.9	876.6	842.5	836.9	801.3
30°	1230.1	1234.0	1196.0	1149.2	1107.2	1059.7	1023.2	993.1	963.8	945.5	913.0
32.5°	1402.8	1390.2	1360.0	1303.0	1236.4	1183.3	1142.9	1115.1	1087.4	1077.9	1030.3
35°	1574.0	1574.0	1527.3	1450.4	1363.2	1309.3	1269.7	1253.0	1227.7	1212.6	1159.5
37.5°	1742.0	1739.7	1692.1	1601.8	1512.2	1438.5	1413.1	1394.1	1376.7	1361.6	1296.6
40°	1907.7	1903.7	1846.7	1758.7	1654.1	1578.0	1557.4	1560.6	1539.9	1519.3	1454.3
42.5°	2040.8	2039.3	1994.1	1906.1	1780.9	1713.5	1692.9	1711.9	1702.4	1682.6	1606.5
45°	2147.0	2139.9	2104.2	2014.7	1901.4	1830.0	1835.6	1881.5	1870.4	1860.9	1766.6
47.5°	2191.4	2190.6	2170.8	2093.2	1988.5	1938.6	1970.3	2034.5	2038.5	2030.5	1925.1
50°	2179.5	2182.7	2181.1	2133.6	2048.0	2022.6	2083.6	2193.0	2205.7	2197.8	2089.2
52.5°	2109.8	2111.4	2137.5	2116.9	2068.6	2075.7	2184.3	2324.6	2369.0	2347.6	2234.2
55°	1962.4	1982.2	2033.7	2045.6	2039.3	2087.6	2244.5	2429.2	2496.6	2489.4	2360.2
57.5°	1810.2	1800.7	1874.4	1931.5	1964.8	2055.9	2264.3	2503.7	2605.1	2595.6	2472.8
60°	1588.3	1602.6	1692.9	1774.5	1845.1	1979.8	2246.1	2543.3	2675.7	2670.1	2555.2
62.5°	1361.6	1382.2	1489.2	1597.8	1698.5	1872.0	2178.0	2528.3	2706.6	2705.8	2598.8
65°	1148.4	1170.6	1268.9	1400.5	1528.8	1726.2	2059.1	2464.1	2680.4	2682.0	2590.9
67.5°	959.0	970.9	1073.9	1219.0	1344.2	1555.0	1906.1	2337.3	2598.0	2606.7	2527.5
70°	790.2	798.9	898.8	1028.0	1173.0	1364.0	1720.6	2174.8	2460.1	2463.3	2413.3
72.5°	648.3	656.2	752.1	867.1	1001.0	1196.8	1529.6	1952.9	2252.5	2284.2	2237.4
75°	518.3	534.2	616.6	728.4	848.0	1022.4	1327.5	1714.3	2019.4	2046.4	2039.3
77.5°	422.4	443.8	509.6	605.5	715.7	867.1	1125.4	1478.9	1773.0	1795.1	1800.7
80°	340.8	356.7	422.4	507.2	600.8	732.3	940.8	1249.1	1524.9	1527.3	1524.9
82.5°	276.6	288.5	347.1	424.0	506.4	615.8	788.6	1042.2	1250.7	1276.0	1280.8
85°	225.1	233.8	284.5	353.5	423.2	516.0	650.7	851.2	1016.1	1042.2	1033.5
87.5°	180.7	192.6	233.0	291.7	356.7	430.4	541.3	688.7	820.3	831.4	829.8
90°	148.2	152.2	192.6	242.5	301.2	357.4	442.2	554.8	653.1	672.9	659.4
92.5°	119.7	126.0	160.1	205.3	251.2	300.4	367.0	455.7	516.7	528.6	522.3
95°	100.7	103.8	134.7	172.0	211.6	256.0	302.8	363.8	409.0	412.9	414.5
97.5°	84.0	87.2	112.5	146.6	180.7	216.4	252.0	297.2	327.3	326.5	324.2
100°	72.1	73.7	96.7	127.6	157.7	183.9	211.6	239.4	257.6	263.1	254.4
102.5°	62.6	63.4	83.2	110.2	135.5	158.5	179.1	198.9	206.1	206.9	202.9
105°	55.5	56.3	72.9	95.1	118.1	135.5	151.4	163.3	166.4	166.4	161.7
107.5°	49.1	49.9	62.6	84.0	104.6	118.9	130.0	136.3	134.7	133.9	130.8
110°	45.2	45.2	55.5	74.5	91.1	103.8	112.5	113.3	109.4	109.4	106.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	41.2	41.2	49.1	65.8	80.8	91.9	97.5	95.9	90.4	88.8	88.8
115°	38.0	38.0	43.6	57.9	72.1	80.8	84.8	80.8	74.5	73.7	72.9
117.5°	35.7	35.7	39.6	51.5	63.4	71.3	73.7	69.7	62.6	61.8	61.8
120°	33.3	33.3	36.5	45.2	56.3	62.6	64.2	59.4	52.3	52.3	53.1
122.5°	31.7	31.7	33.3	40.4	49.9	55.5	55.5	50.7	44.4	44.4	45.2
125°	30.1	30.1	30.9	35.7	43.6	48.3	47.6	42.0	38.0	38.0	38.8
127.5°	28.5	28.5	28.5	31.7	38.0	42.0	41.2	35.7	32.5	32.5	34.1
130°	26.9	26.9	26.2	27.7	32.5	35.7	34.1	30.1	27.7	27.7	29.3
132.5°	25.4	25.4	23.8	24.6	27.7	29.3	27.7	24.6	23.8	23.8	24.6
135°	23.8	23.0	22.2	21.4	23.0	23.8	22.2	19.8	19.8	19.8	21.4
137.5°	21.4	21.4	19.8	18.2	18.2	18.2	17.4	15.1	15.9	16.6	17.4
140°	19.8	19.8	18.2	15.9	14.3	14.3	12.7	11.9	12.7	13.5	14.3
142.5°	17.4	17.4	15.9	13.5	11.1	9.5	8.7	7.9	9.5	10.3	10.3
145°	15.1	15.1	13.5	10.3	7.9	5.5	4.8	5.5	6.3	7.1	7.9
147.5°	12.7	11.9	10.3	7.9	4.0	2.4	1.6	3.2	4.0	4.0	4.8
150°	9.5	9.5	7.9	5.5	2.4	0.0	0.8	1.6	2.4	2.4	3.2
152.5°	7.1	6.3	5.5	3.2	0.0	0.0	0.0	0.0	0.8	1.6	1.6
155°	4.0	4.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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°	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9
2.5°	265.5	263.1	260.0	257.6	255.2	252.0	250.4	248.1	248.1	248.1	249.7
5°	275.0	271.8	264.7	258.4	252.0	247.3	242.5	239.4	237.8	236.2	237.0
7.5°	292.5	288.5	277.4	266.3	257.6	248.9	242.5	237.0	234.6	233.8	233.8
10°	319.4	312.3	295.6	280.6	267.9	256.0	247.3	240.1	237.0	234.6	234.6
12.5°	355.9	345.6	325.7	305.1	286.1	270.3	257.6	252.0	249.7	248.1	248.9
15°	404.2	393.1	363.0	336.0	311.5	290.1	278.2	272.6	269.5	267.9	267.1
17.5°	460.5	444.6	408.2	373.3	342.4	318.6	303.6	294.8	289.3	286.1	286.9
20°	522.3	501.7	454.9	416.9	377.3	353.5	330.5	316.2	309.1	307.5	308.3
22.5°	592.0	570.6	516.7	461.3	420.1	384.4	356.7	338.4	329.7	328.9	328.9
25°	674.5	645.9	582.5	512.8	459.7	414.5	382.0	359.8	350.3	347.1	347.1
27.5°	768.0	729.9	651.5	571.4	498.5	441.5	403.4	378.1	367.7	365.4	365.4
30°	871.0	831.4	731.5	626.9	535.8	465.2	422.4	395.5	382.0	378.8	379.6
32.5°	984.4	932.8	806.8	686.4	568.3	484.3	435.1	408.2	393.1	389.1	389.1
35°	1107.2	1047.0	896.4	744.2	599.2	499.3	444.6	416.9	400.2	396.3	395.5
37.5°	1245.1	1169.8	989.1	797.3	623.7	508.8	451.0	422.4	404.2	398.7	397.9
40°	1389.4	1303.0	1074.7	845.7	644.4	514.4	452.6	424.8	405.8	397.1	396.3
42.5°	1524.1	1429.0	1172.2	890.0	657.0	516.7	451.8	424.0	404.2	392.3	391.5
45°	1673.1	1556.6	1261.8	930.5	665.0	515.2	448.6	420.1	401.0	386.0	384.4
47.5°	1829.2	1695.3	1344.2	959.8	668.1	510.4	444.6	416.9	395.5	378.8	377.3
50°	1970.3	1814.2	1421.1	982.8	666.5	503.3	438.3	412.1	390.7	371.7	370.1
52.5°	2108.2	1938.6	1481.3	995.5	658.6	495.4	432.7	406.6	385.2	365.4	363.0
55°	2233.4	2036.9	1535.2	1001.0	648.3	485.0	424.8	401.8	380.4	359.0	356.7
57.5°	2330.1	2129.6	1574.8	993.9	632.5	473.2	416.9	394.7	374.9	353.5	351.1
60°	2401.5	2190.6	1593.0	980.4	614.2	459.7	407.4	387.6	369.3	348.7	346.3
62.5°	2444.3	2224.7	1589.1	956.6	591.3	446.2	398.7	380.4	363.8	343.2	341.6
65°	2437.1	2211.2	1559.0	918.6	566.7	428.8	385.2	370.9	355.9	336.8	334.5
67.5°	2379.3	2156.6	1497.9	871.0	538.9	411.3	372.5	358.2	345.6	328.9	324.2
70°	2276.2	2055.9	1410.0	811.6	507.2	391.5	357.4	344.0	332.9	317.0	312.3
72.5°	2102.7	1909.3	1298.2	749.8	473.2	368.5	337.6	326.5	314.6	302.0	296.4
75°	1904.5	1725.4	1166.6	676.8	436.7	345.6	317.0	305.9	294.8	281.4	276.6
77.5°	1688.9	1517.0	1030.3	612.6	399.5	319.4	294.0	284.5	273.4	259.2	253.6
80°	1431.4	1294.3	885.3	538.9	362.2	294.0	270.3	260.0	248.1	234.6	229.1
82.5°	1199.1	1077.9	751.3	472.4	324.9	267.9	247.3	232.2	221.1	207.7	198.1
85°	980.4	895.6	630.1	405.8	290.1	240.9	220.3	207.7	195.0	179.1	172.8
87.5°	788.6	716.5	517.5	350.3	256.0	214.8	195.8	183.1	168.8	152.2	146.6
90°	623.7	579.4	430.4	301.2	226.7	192.6	173.6	160.1	144.2	129.2	126.0
92.5°	494.6	463.6	355.9	256.0	199.7	170.4	153.0	139.5	123.6	108.6	103.8
95°	397.9	367.7	291.7	223.5	175.2	149.8	134.7	122.1	106.2	91.1	88.0
97.5°	317.8	294.0	239.4	187.8	153.8	133.2	119.7	106.2	90.4	76.9	75.3
100°	248.9	234.6	198.1	161.7	135.5	118.1	105.4	93.5	77.7	64.2	63.4
102.5°	198.9	191.0	164.9	139.5	118.9	104.6	94.3	81.6	67.4	54.7	53.9
105°	160.1	155.3	137.1	119.7	105.4	93.5	84.0	71.3	57.1	46.8	46.8
107.5°	130.0	126.0	114.9	102.2	92.7	84.0	73.7	62.6	49.1	40.4	40.4
110°	106.2	104.6	97.5	88.8	81.6	74.5	65.0	53.9	42.0	35.7	35.7



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	88.8	88.0	82.4	77.7	72.1	65.8	57.9	47.6	36.5	30.9	31.7
115°	73.7	73.7	70.5	67.4	63.4	58.6	50.7	40.4	30.9	27.7	27.7
117.5°	62.6	61.8	61.0	58.6	56.3	51.5	43.6	34.9	26.2	24.6	25.4
120°	53.9	53.9	52.3	51.5	49.1	44.4	38.0	29.3	22.2	22.2	22.2
122.5°	46.0	46.8	45.2	44.4	42.8	39.6	32.5	24.6	19.8	19.0	19.8
125°	40.4	40.4	39.6	38.8	37.3	33.3	27.7	20.6	16.6	17.4	17.4
127.5°	34.1	34.9	34.1	33.3	32.5	28.5	23.0	16.6	14.3	15.1	15.1
130°	30.1	30.1	29.3	28.5	26.9	23.8	19.0	13.5	12.7	13.5	13.5
132.5°	25.4	25.4	25.4	23.8	22.2	19.8	15.1	11.1	10.3	11.9	11.9
135°	21.4	21.4	21.4	19.8	18.2	15.1	11.1	8.7	8.7	10.3	10.3
137.5°	17.4	18.2	17.4	15.9	14.3	11.9	8.7	6.3	7.1	8.7	8.7
140°	14.3	14.3	13.5	12.7	10.3	7.9	5.5	4.8	6.3	7.1	7.1
142.5°	11.1	11.1	10.3	8.7	7.1	5.5	3.2	3.2	4.8	5.5	5.5
145°	7.9	7.9	7.1	5.5	4.0	2.4	0.8	1.6	3.2	4.0	4.0
147.5°	4.8	4.8	4.8	4.0	2.4	0.8	0.0	0.8	1.6	2.4	2.4
150°	3.2	3.2	3.2	2.4	1.6	0.0	0.0	0.0	0.8	1.6	1.6
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	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)