

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: P416161

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
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-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5581 lumens  
Efficiency: N/A  
Efficacy: 87.2 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

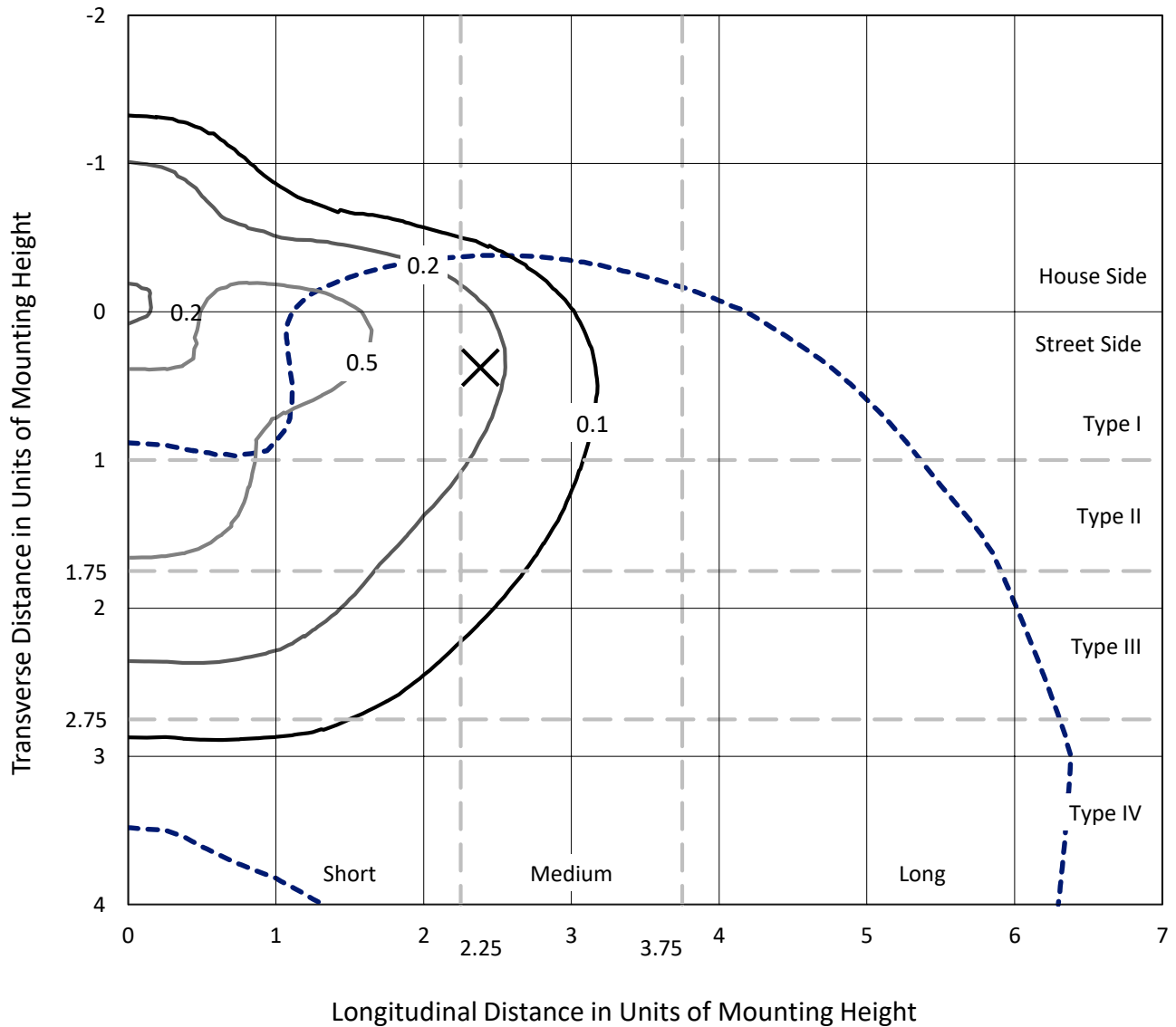


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

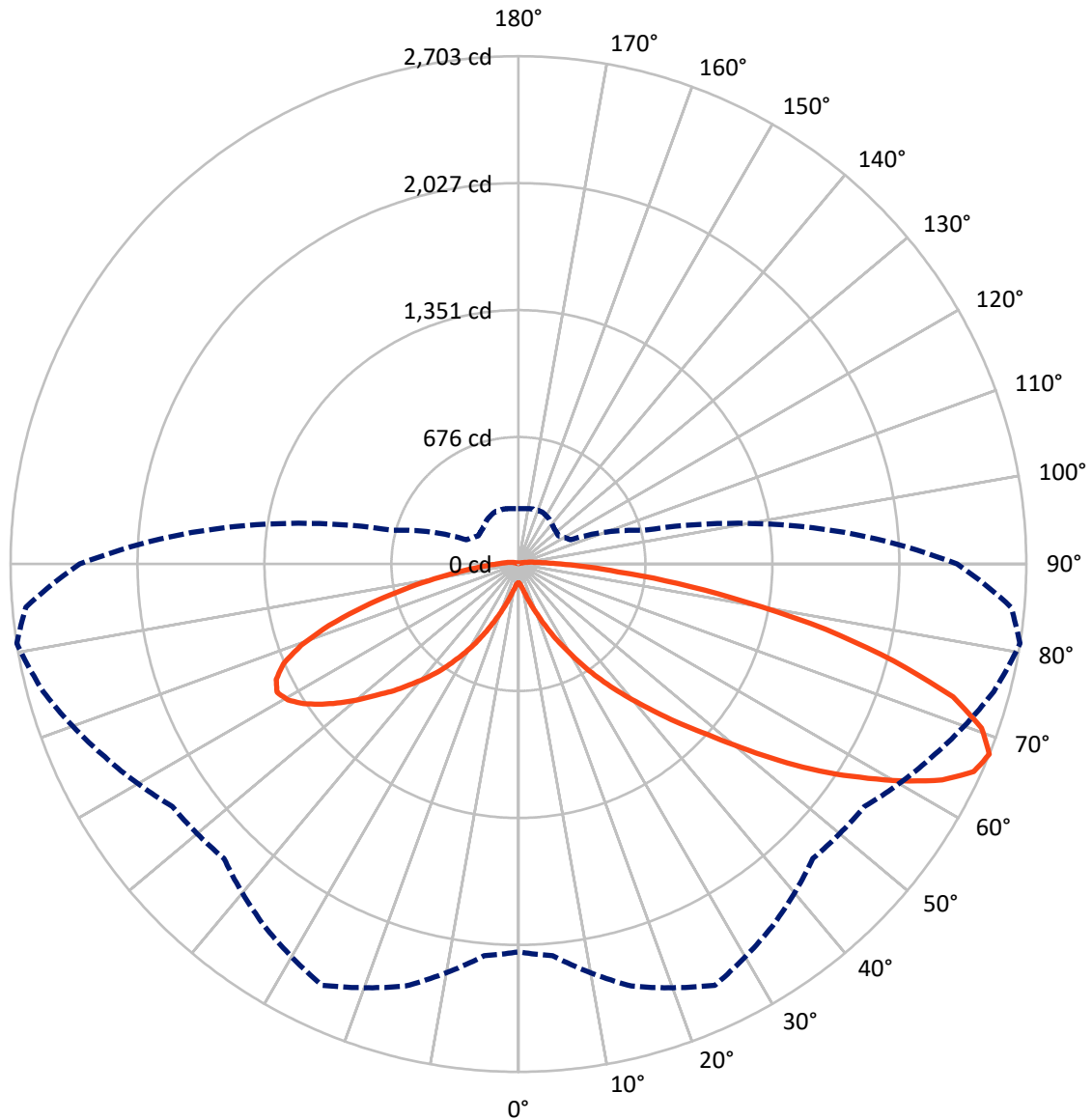


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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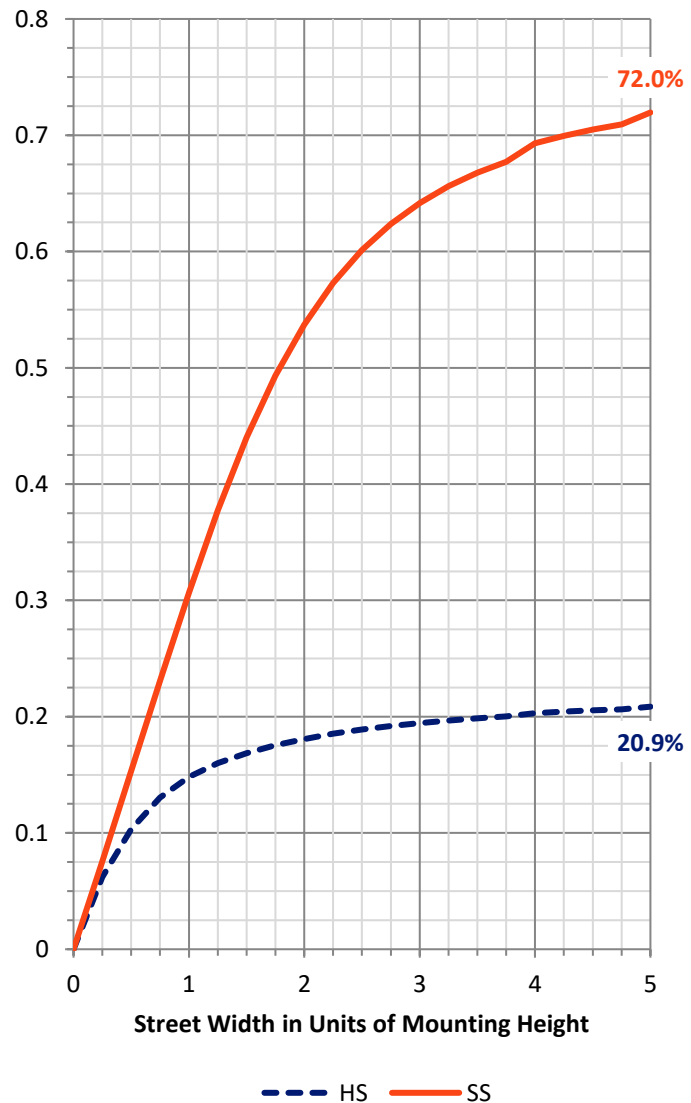
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1221.7	86.9	1308.5
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	4163.2	109.2	4272.4
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	5384.9	196.1	5581.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.5	0.2
10°-20°	57.6	1.0
20°-30°	171.9	3.1
30°-40°	373.1	6.7
40°-50°	654.2	11.7
50°-60°	1036.8	18.6
60°-70°	1399.1	25.1
70°-80°	1200.4	21.5
80°-90°	480.3	8.6
90°-100°	116.9	2.1
100°-110°	41.0	0.7
110°-120°	18.8	0.3
120°-130°	10.1	0.2
130°-140°	5.7	0.1
140°-150°	2.6	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5384.9	96.5
0°-180°	5581.0	100.0



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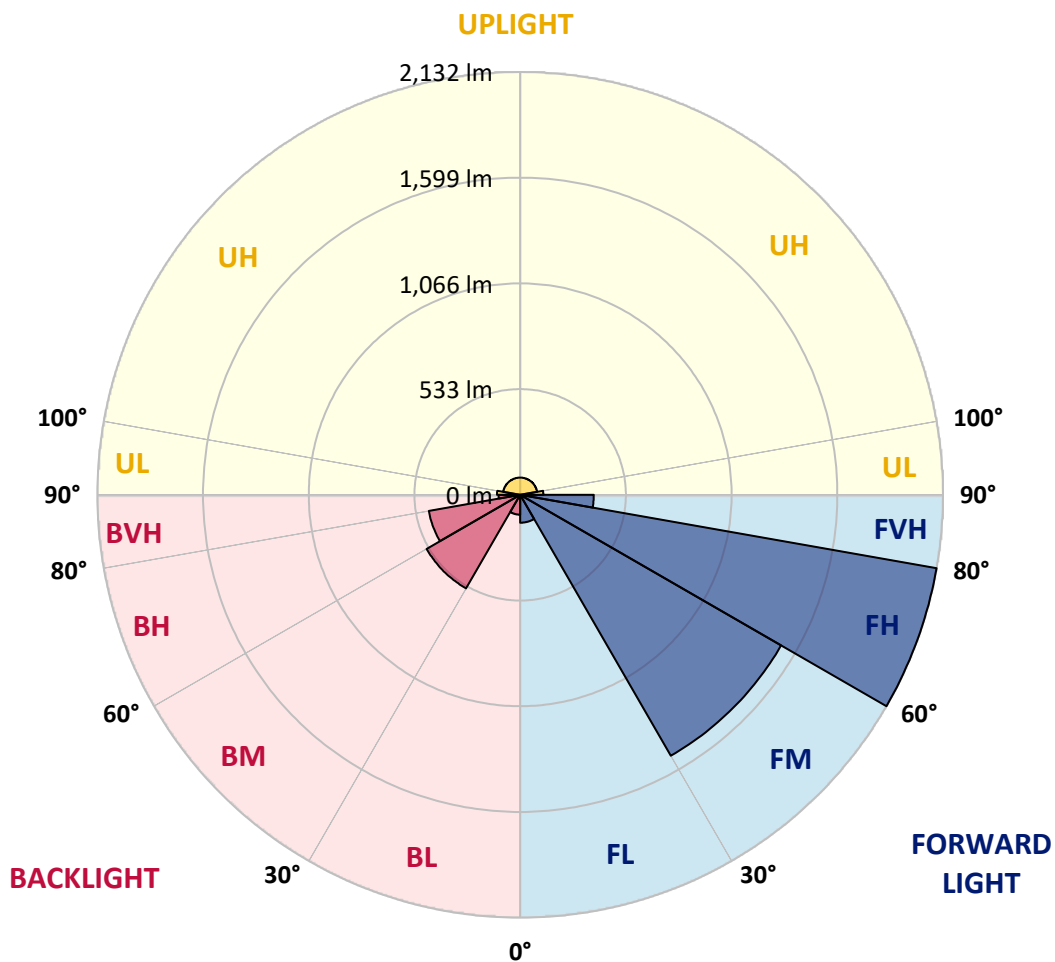
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.8	2.5			
FM	(30°-60°)	1519.1	27.2			
FH	(60°-80°)	2132.1	38.2			G2/5000
FVH	(80°-90°)	371.2	6.7			G3/500
BL	(0°-30°)	100.2	1.8	B0/110		
BM	(30°-60°)	545.0	9.8	B1/1000		
BH	(60°-80°)	467.4	8.4	B1/500		G1/500
BVH	(80°-90°)	109.1	2.0			G2/225
UL	(90°-100°)	116.9	2.1		U3/500	
UH	(100°-180°)	86.9	1.6		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°	75°	81°	85°
0°	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5
2.5°	109.5	108.9	108.9	109.5	109.5	109.5	107.6	105.7	103.7	103.1	102.4
5°	124.5	123.2	123.2	123.2	122.5	120.6	118.0	115.4	112.8	111.5	110.2
7.5°	143.9	143.2	142.6	140.7	140.0	136.8	132.9	129.0	125.1	123.8	122.5
10°	170.5	169.8	166.6	165.9	162.7	159.5	153.6	147.8	142.6	140.7	138.7
12.5°	204.2	204.2	199.6	194.5	190.6	184.1	178.9	171.8	167.9	165.3	162.7
15°	248.3	245.7	239.8	234.0	223.6	215.8	208.1	204.2	201.6	198.3	194.5
17.5°	296.9	293.6	288.4	276.8	263.2	252.1	245.0	241.1	239.8	237.9	233.3
20°	355.2	351.3	344.2	326.0	311.1	296.2	287.8	285.8	287.1	283.9	279.4
22.5°	424.6	422.0	407.1	384.4	363.6	342.9	335.1	336.4	339.0	343.5	340.9
25°	503.6	497.2	482.9	450.5	416.1	396.0	388.3	394.1	405.8	412.2	407.1
27.5°	595.7	591.8	563.3	521.1	476.4	449.2	443.4	460.2	480.3	485.5	485.5
30°	692.9	695.5	654.0	604.1	547.7	510.1	503.0	527.0	561.3	564.6	573.0
32.5°	816.1	811.5	768.1	686.4	619.7	571.0	566.5	600.2	643.6	660.5	660.5
35°	945.0	940.5	887.4	790.8	698.1	635.2	638.5	674.1	733.1	754.5	757.7
37.5°	1093.5	1078.6	1020.9	901.0	783.7	709.8	703.9	757.7	827.1	857.5	857.5
40°	1256.8	1248.4	1168.0	1026.1	871.2	786.9	782.4	844.6	928.8	962.5	969.0
42.5°	1415.6	1404.6	1330.1	1147.3	972.3	868.6	869.2	937.3	1033.8	1080.5	1088.9
45°	1583.5	1573.1	1491.5	1296.4	1081.8	969.7	961.9	1046.8	1162.2	1214.0	1223.8
47.5°	1732.6	1725.5	1654.8	1444.8	1217.9	1077.9	1067.6	1165.4	1299.0	1356.6	1385.8
50°	1894.6	1885.6	1819.4	1603.0	1353.4	1193.3	1192.7	1297.7	1464.9	1534.9	1558.9
52.5°	2026.2	2015.8	1969.8	1761.8	1487.6	1328.1	1317.1	1446.1	1636.7	1737.1	1748.8
55°	2147.4	2143.5	2128.0	1932.2	1650.9	1460.4	1467.5	1620.5	1832.4	1945.8	1963.3
57.5°	2234.9	2240.1	2247.2	2103.3	1811.0	1608.1	1621.1	1795.5	2035.9	2141.6	2165.6
60°	2294.6	2312.7	2360.0	2252.4	1974.4	1769.5	1791.6	1968.5	2231.7	2344.5	2363.9
62.5°	2299.1	2318.5	2428.7	2391.8	2131.2	1934.8	1960.1	2146.8	2406.7	2531.8	2533.7
65°	2212.9	2239.5	2415.8	2467.0	2269.3	2093.0	2115.7	2305.6	2553.2	2664.0	2623.8
67.5°	2064.5	2092.3	2325.7	2473.5	2354.8	2216.1	2248.5	2428.7	2619.3	2702.9	2631.6
70°	1849.3	1876.5	2122.1	2375.6	2370.4	2288.7	2331.5	2479.3	2607.0	2615.4	2514.9
72.5°	1566.7	1564.1	1829.2	2161.7	2284.2	2282.9	2351.0	2441.0	2466.3	2419.0	2269.9
75°	1199.8	1233.5	1475.3	1852.5	2087.8	2179.8	2248.5	2282.9	2210.3	2063.8	1902.4
77.5°	859.5	887.4	1107.1	1460.4	1796.1	1965.9	2041.8	2025.6	1845.4	1673.6	1488.2
80°	569.1	585.3	768.7	1090.2	1448.0	1645.1	1736.5	1674.3	1445.4	1225.7	1065.6
82.5°	341.6	368.2	483.5	766.1	1074.0	1300.3	1356.0	1252.3	1031.9	853.0	735.7
85°	206.8	212.6	300.8	490.0	749.9	935.3	988.5	877.0	678.6	532.8	442.1
87.5°	116.0	126.4	186.0	318.9	504.3	649.5	668.3	577.5	425.9	330.6	276.8
90°	68.1	75.2	114.1	197.7	321.5	420.0	425.2	349.4	252.1	199.0	177.0
92.5°	43.4	48.6	75.8	127.0	206.8	272.9	265.8	215.8	161.4	132.9	114.7
95°	31.1	33.7	53.2	87.5	138.7	171.8	169.2	135.5	108.2	92.7	84.3
97.5°	23.3	25.9	41.5	64.2	93.3	115.4	112.8	90.1	75.2	68.1	64.8
100°	19.4	20.7	33.7	50.6	69.4	83.0	81.7	66.8	56.4	51.2	49.9
102.5°	16.9	18.1	27.9	40.8	55.1	64.2	61.6	51.9	42.8	38.2	36.9
105°	14.9	15.6	24.0	35.0	45.4	50.6	49.9	41.5	33.1	28.5	27.9
107.5°	13.6	14.3	20.7	29.8	38.2	42.8	41.5	33.7	25.3	22.0	21.4
110°	12.3	13.0	18.1	25.9	32.4	36.3	34.4	27.9	20.1	16.9	16.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	11.7	11.7	16.2	22.0	27.9	31.1	29.2	22.7	15.6	13.6	14.3
115°	11.0	11.0	14.3	19.4	24.6	27.2	24.6	18.8	13.0	11.7	11.7
117.5°	10.4	10.4	13.0	17.5	22.0	24.0	21.4	16.2	11.0	9.7	10.4
120°	9.7	10.4	12.3	15.6	19.4	20.7	18.8	13.6	9.1	9.1	9.7
122.5°	9.7	9.7	11.7	14.3	17.5	18.1	16.2	11.7	8.4	8.4	8.4
125°	9.7	9.7	11.0	13.0	15.6	16.2	13.6	9.7	7.8	7.8	7.8
127.5°	9.7	9.7	10.4	12.3	13.6	14.3	12.3	9.1	7.1	7.1	7.8
130°	9.1	9.7	9.7	11.0	12.3	12.3	10.4	7.8	6.5	6.5	7.1
132.5°	9.1	9.1	9.7	10.4	11.0	11.0	9.1	7.1	5.8	6.5	6.5
135°	9.1	9.1	9.1	9.7	10.4	9.7	7.8	5.8	5.2	5.8	5.8
137.5°	8.4	8.4	8.4	9.1	9.1	8.4	7.1	5.2	5.2	5.2	5.2
140°	7.8	7.8	7.8	7.8	8.4	7.8	5.8	4.5	4.5	4.5	4.5
142.5°	7.1	7.1	7.1	7.1	7.1	6.5	5.2	3.9	3.9	3.9	3.9
145°	6.5	6.5	6.5	6.5	5.8	5.2	3.9	3.2	3.2	3.9	3.9
147.5°	5.2	5.2	5.2	5.2	5.2	4.5	3.2	2.6	3.2	3.2	3.2
150°	4.5	4.5	4.5	4.5	3.9	3.9	2.6	2.6	2.6	3.2	3.2
152.5°	3.2	3.2	3.2	3.9	3.2	2.6	1.9	1.9	2.6	2.6	2.6
155°	2.6	2.6	2.6	2.6	2.6	1.9	1.3	1.9	2.6	2.6	2.6
157.5°	1.3	1.9	1.9	1.9	1.9	1.9	1.3	1.9	1.9	1.9	1.9
160°	0.6	0.6	1.3	1.3	1.9	1.9	1.3	1.3	1.9	1.9	1.9
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°	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5
2.5°	102.4	101.8	101.1	100.5	99.8	99.8	99.2	98.5	97.9	97.2	97.2
5°	109.5	108.2	106.3	105.0	103.7	103.7	102.4	101.8	100.5	99.8	99.8
7.5°	120.6	119.9	116.0	114.1	112.1	111.5	110.2	108.9	107.6	107.6	107.6
10°	136.8	134.8	131.6	126.4	124.5	123.2	121.2	119.9	119.9	120.6	120.6
12.5°	161.4	156.2	151.7	144.5	140.7	138.1	136.8	137.4	140.7	142.0	140.7
15°	189.9	188.6	177.6	167.2	159.5	154.3	157.5	161.4	165.9	167.2	169.2
17.5°	229.5	224.9	210.0	195.1	180.8	178.2	182.1	188.6	193.8	197.7	200.9
20°	276.8	269.0	250.8	224.9	208.7	204.8	207.4	216.5	226.2	234.0	234.6
22.5°	336.4	324.7	292.3	259.9	235.9	229.5	232.7	247.0	261.2	270.9	270.3
25°	401.2	387.0	343.5	296.9	263.8	252.1	258.0	276.8	296.9	308.5	309.8
27.5°	473.8	459.6	399.3	332.5	289.1	271.6	281.3	302.7	329.9	344.2	346.8
30°	559.4	539.9	455.0	370.8	312.4	289.7	298.8	326.7	356.5	376.6	379.2
32.5°	648.2	617.7	510.8	401.9	328.6	301.4	311.8	344.2	378.5	400.6	404.5
35°	740.2	702.6	567.2	428.4	340.3	308.5	318.9	355.2	391.5	415.5	418.7
37.5°	843.9	794.0	618.4	448.5	346.8	310.5	320.8	357.1	394.1	417.4	420.7
40°	948.3	881.5	661.1	460.9	347.4	308.5	317.0	352.0	387.0	407.1	410.3
42.5°	1060.4	973.6	703.9	464.1	344.2	303.3	310.5	341.6	371.4	387.0	388.9
45°	1186.2	1079.9	740.2	461.5	335.1	295.6	300.8	327.3	350.7	357.8	361.0
47.5°	1319.0	1184.9	768.1	453.7	326.0	287.1	290.4	312.4	327.3	328.0	328.6
50°	1481.1	1312.6	802.4	442.7	313.7	279.4	281.3	298.8	305.9	302.7	301.4
52.5°	1658.7	1449.3	824.5	425.2	302.7	272.2	274.2	287.8	290.4	283.3	283.9
55°	1851.9	1577.0	843.3	408.4	291.0	267.7	271.6	282.6	282.6	273.5	272.9
57.5°	2032.0	1707.3	851.7	387.0	281.3	264.5	270.9	282.0	280.7	272.2	271.6
60°	2206.4	1813.6	841.3	366.2	274.8	263.2	274.8	286.5	285.2	278.1	277.4
62.5°	2327.0	1880.4	815.4	345.5	269.0	265.1	279.4	293.0	293.0	285.2	285.2
65°	2378.8	1872.6	762.3	324.7	264.5	266.4	285.8	300.1	298.8	292.3	291.0
67.5°	2335.4	1801.9	691.0	304.6	260.6	267.7	289.1	304.0	302.7	295.6	294.3
70°	2196.0	1653.5	604.8	286.5	255.4	265.8	290.4	303.3	301.4	294.9	292.3
72.5°	1918.6	1422.8	514.7	269.0	247.6	261.2	286.5	298.2	296.2	291.0	287.8
75°	1580.3	1147.3	425.2	249.5	237.9	252.8	278.1	288.4	285.8	281.3	278.1
77.5°	1208.2	866.6	351.3	231.4	226.2	241.8	266.4	274.2	271.6	267.7	265.8
80°	855.0	617.1	282.6	211.3	209.4	224.9	245.7	254.1	252.8	248.9	245.7
82.5°	562.6	410.3	225.6	188.6	189.9	206.1	221.7	226.2	225.6	222.3	218.4
85°	346.8	270.3	177.6	162.7	168.5	181.5	194.5	195.1	193.2	192.5	186.7
87.5°	221.0	184.7	139.4	138.1	146.5	157.5	163.3	160.7	162.0	162.0	157.5
90°	143.9	129.6	111.5	115.4	124.5	132.9	135.5	128.3	132.2	130.3	128.3
92.5°	104.4	96.6	90.7	95.9	105.0	112.8	111.5	103.7	105.7	105.7	105.0
95°	79.1	75.2	75.8	81.0	88.2	93.3	90.7	84.3	84.9	83.6	81.7
97.5°	62.2	61.6	64.2	68.1	74.5	77.8	75.2	69.4	68.7	66.8	66.1
100°	49.3	49.9	53.8	58.3	62.2	64.8	62.9	57.0	54.4	51.2	50.6
102.5°	38.2	39.5	44.7	48.6	52.5	54.4	52.5	48.0	43.4	40.2	39.5
105°	29.8	31.1	36.9	40.8	44.1	45.4	44.1	38.9	34.4	30.5	30.5
107.5°	23.3	24.6	30.5	35.0	36.9	38.2	36.3	32.4	27.2	24.0	24.0
110°	18.8	20.1	25.3	29.2	31.1	32.4	30.5	25.9	22.0	19.4	19.4



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	16.9	20.7	24.6	26.6	27.2	25.3	22.0	17.5	16.2	16.2
115°	13.0	14.3	17.5	20.7	22.7	22.7	21.4	18.1	14.3	13.6	13.6
117.5°	11.0	12.3	14.9	18.1	19.4	19.4	18.1	14.9	12.3	11.7	11.7
120°	10.4	11.0	13.0	15.6	16.9	16.9	15.6	13.0	10.4	10.4	10.4
122.5°	9.1	9.7	11.7	13.6	14.9	14.9	13.6	11.0	9.1	9.7	9.7
125°	8.4	9.1	10.4	11.7	13.0	13.0	11.7	9.7	8.4	8.4	8.4
127.5°	7.8	8.4	9.1	10.4	11.0	11.0	10.4	8.4	7.8	7.8	7.8
130°	7.1	7.8	8.4	9.1	9.7	9.7	8.4	7.1	7.1	7.1	7.1
132.5°	7.1	7.1	7.1	7.8	8.4	8.4	7.8	6.5	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	7.1	7.1	6.5	5.8	5.8	5.8	5.8
137.5°	5.8	5.8	5.8	5.8	6.5	6.5	5.8	5.2	5.2	5.2	5.2
140°	5.2	5.2	5.2	4.5	5.2	5.2	4.5	4.5	4.5	4.5	4.5
142.5°	3.9	4.5	3.9	3.9	3.9	3.9	3.9	3.2	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.2	3.2	3.2	3.2	2.6	3.2	3.2	3.2
147.5°	3.2	3.2	3.2	2.6	1.9	2.6	1.9	2.6	2.6	2.6	2.6
150°	3.2	3.2	2.6	2.6	1.9	1.3	1.3	1.9	1.9	1.9	1.9
152.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
155°	2.6	2.6	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.6	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.3	0.6	0.6	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)