

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: P416001

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6874 lumens
Efficiency: N/A
Efficacy: 107.4 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: B2 - U3 - G4

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

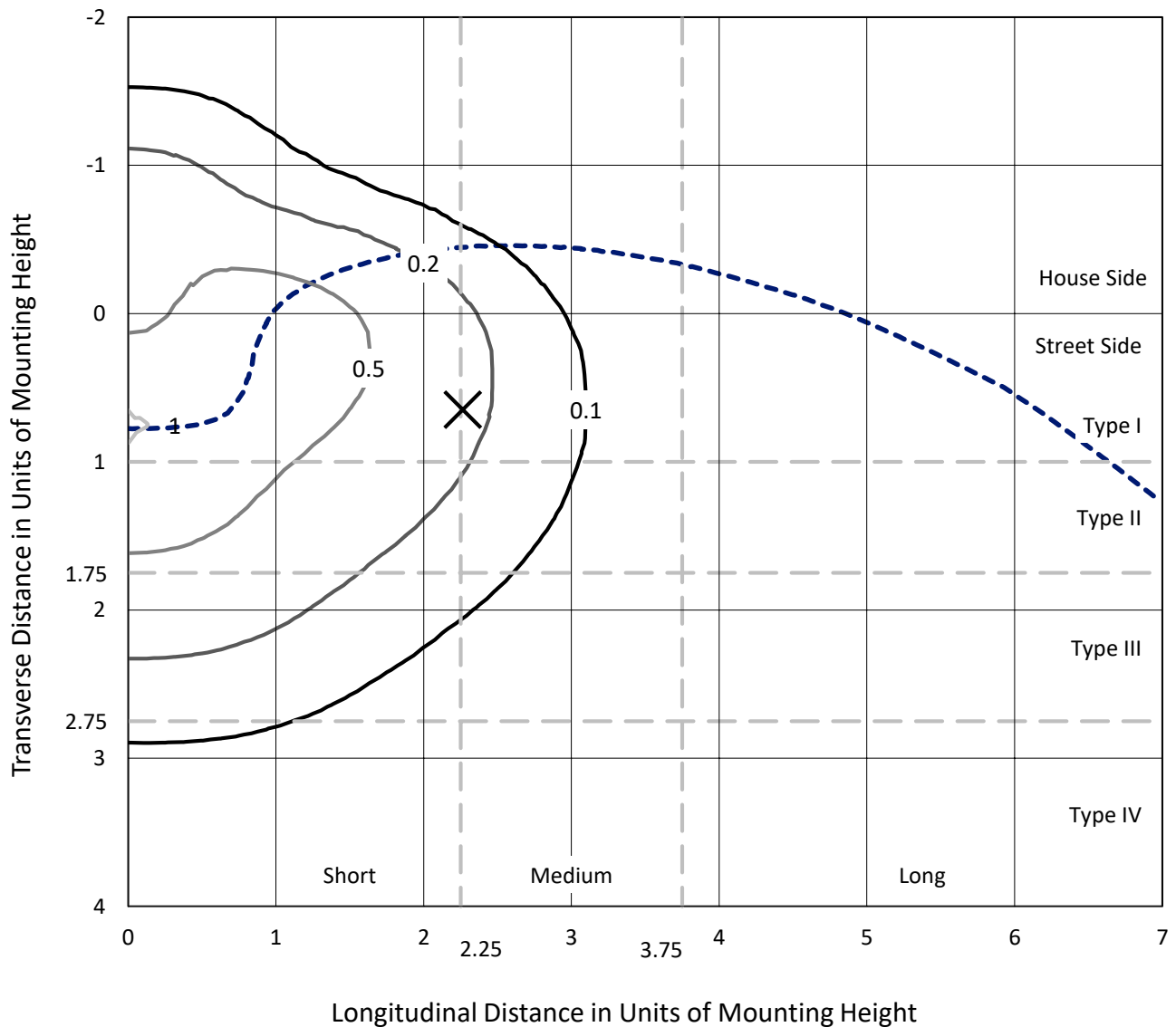


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

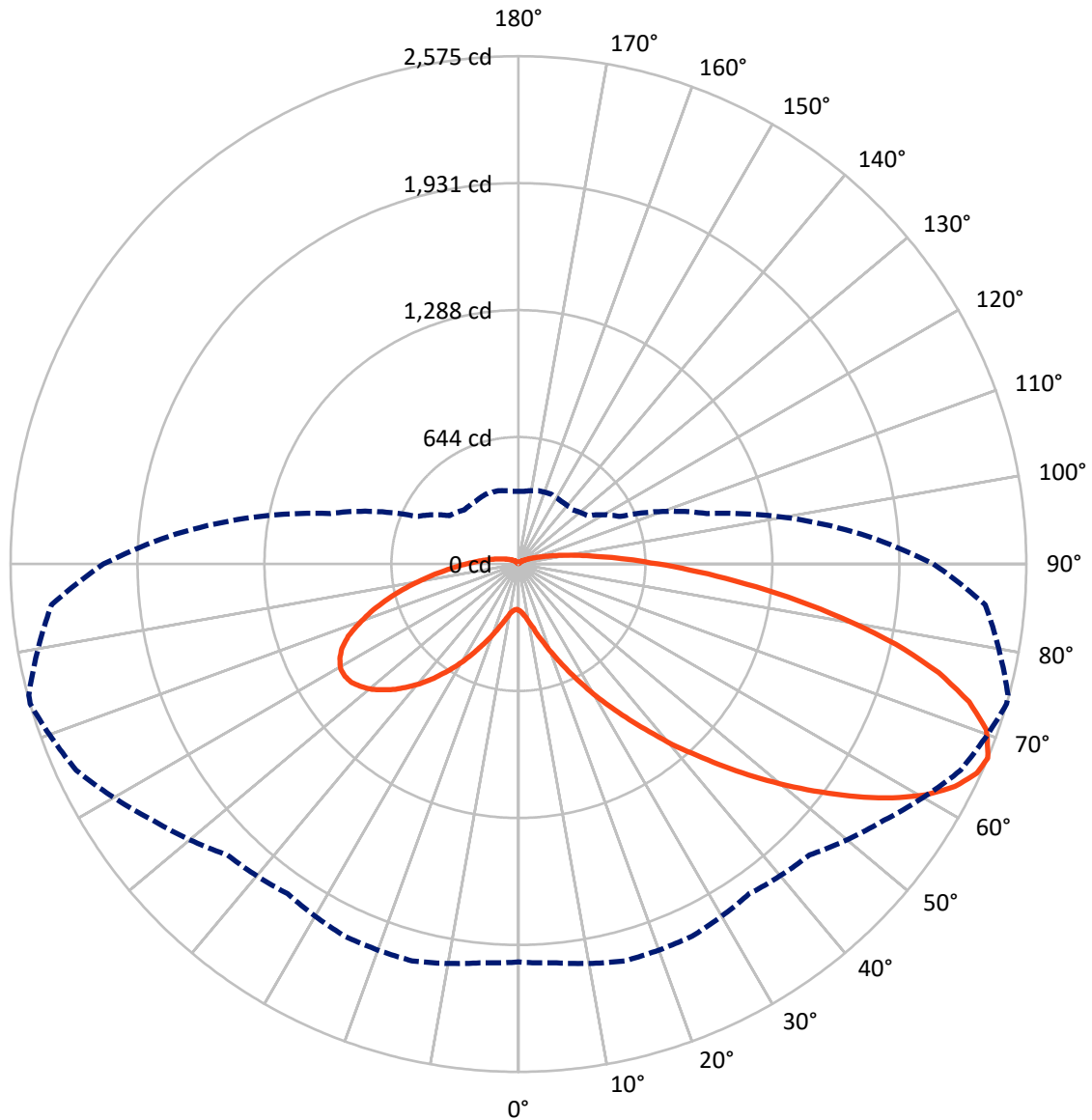


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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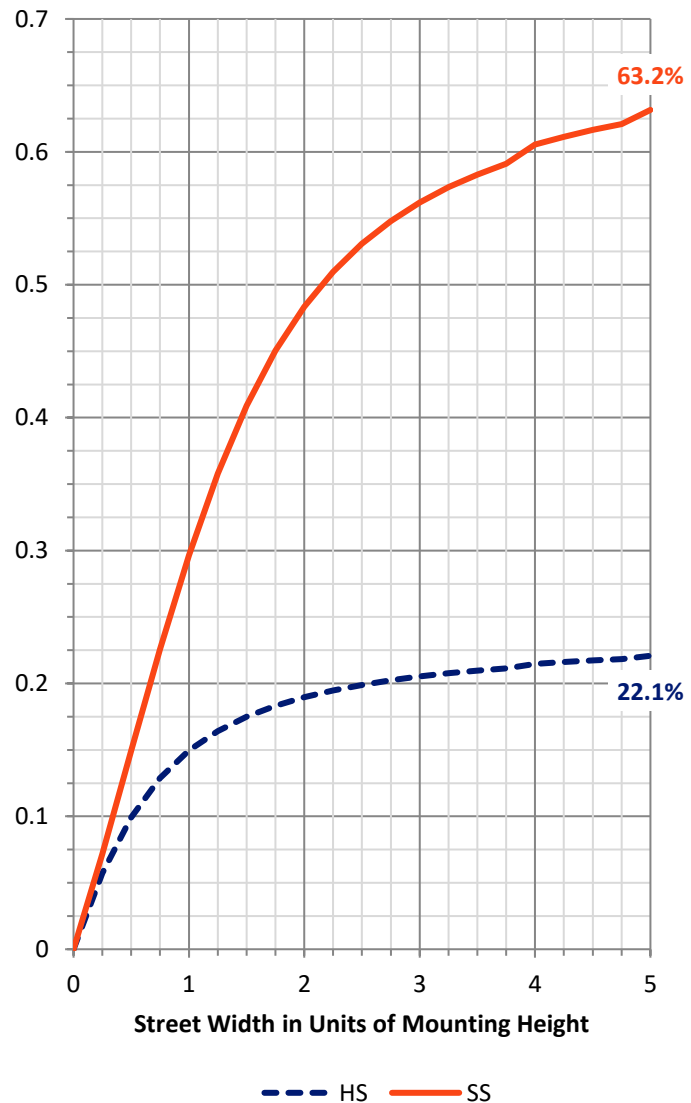
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1602.9	192.7	1795.6
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4638.9	439.5	5078.4
	% Fixture	67.5	6.4	73.9
Total	Lumens	6241.8	632.2	6874.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.4
10°-20°	100.2	1.5
20°-30°	248.7	3.6
30°-40°	485.8	7.1
40°-50°	803.4	11.7
50°-60°	1164.4	16.9
60°-70°	1409.3	20.5
70°-80°	1252.9	18.2
80°-90°	752.6	10.9
90°-100°	345.5	5.0
100°-110°	153.8	2.2
110°-120°	73.4	1.1
120°-130°	36.4	0.5
130°-140°	16.6	0.2
140°-150°	5.5	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6241.8	90.8
0°-180°	6874.0	100.0



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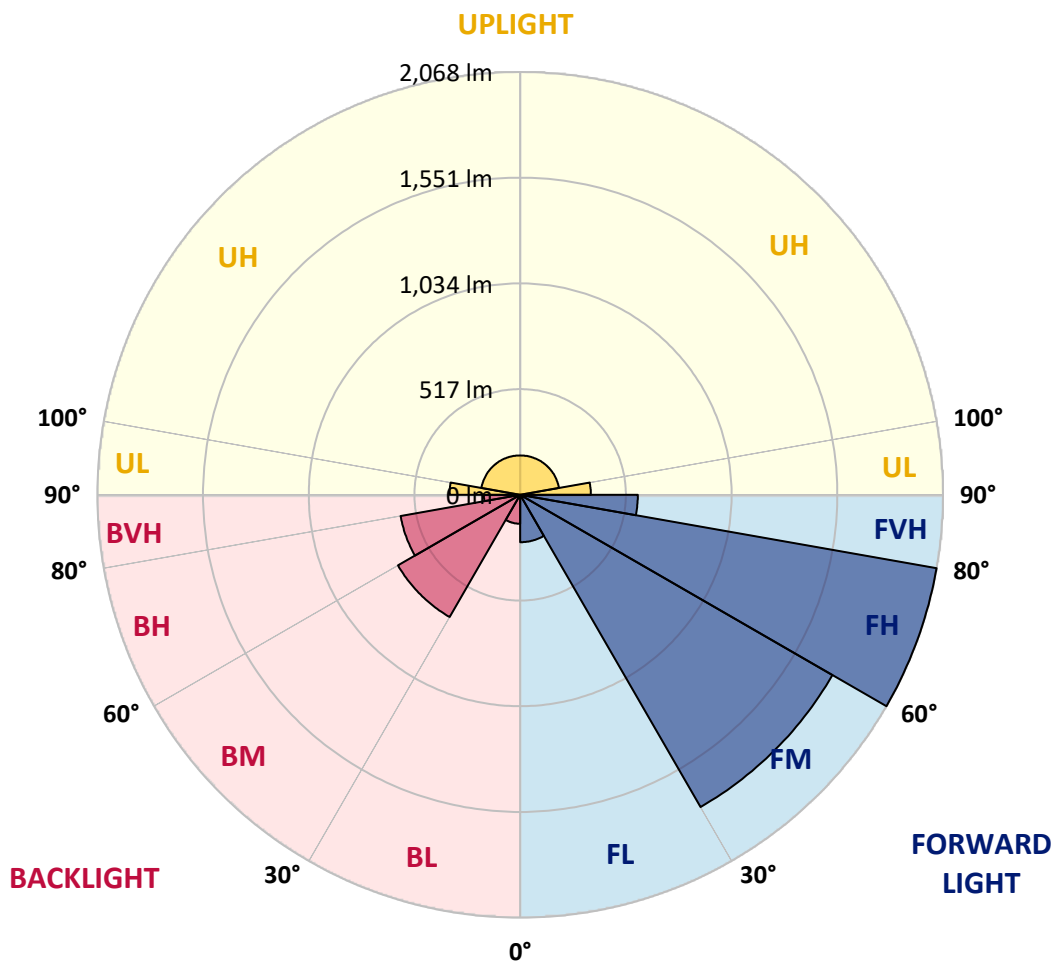
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.8	3.4			
FM	(30°-60°)	1763.6	25.7			
FH	(60°-80°)	2068.2	30.1			G2/5000
FVH	(80°-90°)	575.3	8.4			G4/750
BL	(0°-30°)	141.6	2.1	B1/500		
BM	(30°-60°)	690.0	10.0	B1/1000		
BH	(60°-80°)	594.0	8.6	B2/1000		G2/1000
BVH	(80°-90°)	177.4	2.6			G2/225
UL	(90°-100°)	345.5	5.0		U3/500	
UH	(100°-180°)	192.7	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1
2.5°	258.6	256.1	256.1	254.5	253.7	251.3	249.6	243.9	241.5	241.5	237.4
5°	286.3	284.7	281.4	281.4	278.2	274.9	268.4	261.0	255.3	254.5	247.2
7.5°	320.6	316.5	316.5	312.4	307.5	301.8	292.9	283.1	274.1	273.3	261.9
10°	359.7	358.1	356.5	350.8	344.2	332.8	324.7	310.8	300.2	299.4	283.9
12.5°	407.9	405.4	400.5	394.8	383.4	375.2	360.6	345.1	331.2	332.0	314.1
15°	460.1	458.5	455.2	446.2	433.2	421.7	407.1	390.7	376.9	371.2	352.4
17.5°	519.6	516.4	512.3	502.5	487.8	476.4	456.8	441.3	423.4	424.2	397.3
20°	589.8	586.5	580.8	565.3	552.3	536.8	516.4	499.2	478.8	477.2	450.3
22.5°	659.1	660.8	646.9	630.6	618.3	600.4	580.8	558.8	540.8	539.2	508.2
25°	744.8	739.1	725.2	706.4	687.7	665.7	648.5	628.9	611.8	610.2	573.5
27.5°	834.5	829.6	810.9	787.2	761.9	737.4	722.8	702.4	689.3	686.9	649.3
30°	932.4	924.2	907.1	875.3	840.2	812.5	797.8	790.5	778.2	775.0	736.6
32.5°	1042.5	1031.9	1006.6	968.3	917.7	886.7	880.2	873.7	868.8	863.9	828.0
35°	1151.8	1148.6	1111.1	1063.7	1014.0	973.2	961.8	972.4	969.1	965.8	927.5
37.5°	1266.9	1272.6	1231.8	1169.8	1101.3	1058.0	1049.9	1069.5	1078.4	1078.4	1032.7
40°	1402.3	1397.4	1356.6	1280.7	1200.8	1150.2	1152.7	1182.0	1204.0	1199.2	1154.3
42.5°	1536.9	1526.3	1472.4	1398.2	1297.0	1246.5	1246.5	1291.3	1324.8	1325.6	1278.3
45°	1669.0	1657.6	1607.0	1510.0	1399.8	1345.2	1356.6	1411.2	1465.9	1458.6	1412.1
47.5°	1789.8	1784.9	1732.7	1629.1	1505.1	1448.0	1470.8	1552.4	1611.9	1611.9	1560.5
50°	1908.0	1901.5	1852.6	1735.9	1611.1	1554.8	1589.1	1688.6	1764.5	1768.5	1709.0
52.5°	2010.0	2005.9	1960.3	1844.4	1715.5	1658.4	1709.8	1834.6	1921.9	1930.9	1868.1
55°	2083.4	2085.9	2050.8	1940.7	1810.2	1762.8	1833.0	1979.8	2083.4	2085.1	2017.4
57.5°	2137.3	2140.5	2116.9	2021.4	1893.4	1857.5	1952.1	2120.1	2237.6	2244.9	2156.0
60°	2160.1	2165.8	2158.5	2078.5	1967.6	1944.8	2059.0	2245.8	2376.3	2378.7	2271.9
62.5°	2147.9	2153.6	2168.3	2111.2	2021.4	2020.6	2162.6	2355.1	2484.8	2488.0	2360.0
65°	2092.4	2101.4	2138.1	2111.2	2041.0	2067.9	2231.1	2439.1	2555.7	2559.8	2394.2
67°	2018.2	2029.6	2083.4	2082.6	2041.0	2086.7	2264.5	2474.2	2575.3	2570.4	2376.3
67.5°	2001.0	2012.5	2066.3	2074.5	2035.3	2089.1	2268.6	2478.3	2568.0	2567.2	2364.9
70°	1855.8	1876.2	1954.5	1993.7	1992.9	2069.6	2267.0	2456.2	2518.2	2510.1	2269.4
72.5°	1688.6	1713.9	1809.3	1884.4	1908.9	2008.4	2207.4	2368.9	2389.3	2379.5	2090.8
75°	1516.5	1530.3	1629.9	1736.7	1798.7	1904.8	2095.7	2230.3	2201.7	2178.1	1867.3
77.5°	1334.6	1340.3	1451.2	1571.1	1646.2	1768.5	1929.3	2027.1	1957.0	1937.4	1612.7
80°	1123.3	1146.9	1257.9	1382.7	1475.7	1586.6	1722.1	1780.8	1663.3	1645.4	1341.9
82.5°	950.4	965.0	1066.2	1188.5	1293.0	1397.4	1485.5	1501.0	1377.8	1364.8	1078.4
85°	775.8	788.8	894.9	1008.3	1106.2	1193.4	1252.2	1229.3	1101.3	1087.4	852.5
87.5°	642.0	651.8	725.2	840.2	926.7	989.5	1020.5	992.0	869.6	850.0	658.3
90°	509.0	523.7	589.8	686.9	775.0	815.8	819.0	771.7	671.4	656.7	504.1
92.5°	411.1	420.9	483.7	564.5	633.8	664.8	656.7	616.7	524.5	507.4	389.9
95°	332.8	341.0	393.2	464.2	520.4	549.0	526.2	473.1	400.5	394.0	301.0
97.5°	276.5	278.2	319.0	382.6	427.5	442.1	424.2	376.1	313.2	300.2	230.9
100°	226.0	227.6	261.9	310.0	350.8	360.6	342.6	296.1	243.1	234.9	181.1
102.5°	183.5	187.6	213.7	257.0	287.1	294.5	275.7	234.9	187.6	181.9	141.1
105°	155.8	156.6	179.5	212.1	239.0	244.7	226.0	190.9	147.7	144.4	112.6
107.5°	132.2	132.2	150.1	178.6	199.9	203.1	188.4	155.8	116.7	113.4	91.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	113.4	114.2	127.3	150.1	169.7	172.1	157.4	124.8	93.0	90.5	74.2
112.5°	98.7	100.3	109.3	127.3	144.4	146.8	132.2	102.0	75.9	72.6	62.0
115°	87.3	88.1	94.6	109.3	123.2	124.8	110.1	84.0	61.2	58.7	52.2
117.5°	77.5	78.3	83.2	95.4	106.0	106.9	92.2	69.3	51.4	48.9	45.7
120°	70.2	70.2	74.2	82.4	91.4	91.4	77.5	57.1	42.4	41.6	39.2
122.5°	63.6	63.6	66.1	71.8	78.3	76.7	64.4	47.3	35.9	35.1	34.3
125°	57.9	57.9	59.5	62.8	66.9	64.4	53.0	39.2	31.0	30.2	30.2
127.5°	52.2	52.2	53.0	55.5	56.3	53.8	44.1	32.6	26.9	26.1	26.9
130°	47.3	47.3	47.3	47.3	47.3	45.7	35.9	26.9	22.8	22.8	23.7
132.5°	42.4	42.4	41.6	40.8	40.0	36.7	29.4	22.0	20.4	20.4	21.2
135°	37.5	37.5	36.7	35.1	32.6	28.6	22.0	17.9	17.1	17.1	17.9
137.5°	32.6	32.6	31.8	29.4	26.1	22.0	17.1	14.7	14.7	14.7	15.5
140°	27.7	27.7	26.9	24.5	20.4	16.3	13.1	11.4	12.2	12.2	13.1
142.5°	23.7	22.8	22.0	19.6	15.5	11.4	9.0	9.0	9.8	9.8	10.6
145°	18.8	17.9	17.1	14.7	11.4	8.2	6.5	6.5	7.3	7.3	8.2
147.5°	14.7	13.9	13.1	10.6	8.2	5.7	4.1	4.9	5.7	5.7	5.7
150°	9.8	9.8	9.8	8.2	4.9	3.3	2.4	3.3	3.3	3.3	4.1
152.5°	6.5	6.5	6.5	4.9	3.3	1.6	1.6	1.6	2.4	2.4	2.4
155°	4.1	4.1	4.1	3.3	1.6	0.8	0.8	0.8	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.8	0.8	0.8
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°	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1
2.5°	235.8	234.1	230.9	228.4	226.0	223.5	221.1	219.4	217.0	217.0	217.0
5°	243.9	239.8	233.3	228.4	222.7	218.6	213.7	210.5	208.0	207.2	207.2
7.5°	257.8	252.1	242.3	232.5	224.3	217.8	212.1	208.0	204.8	203.9	203.9
10°	277.4	270.0	254.5	243.1	232.5	223.5	216.2	210.5	208.0	206.4	206.4
12.5°	305.9	296.1	278.2	258.6	244.7	233.3	224.3	221.9	221.9	222.7	221.9
15°	340.2	330.4	305.9	283.1	262.7	249.6	244.7	244.7	243.9	245.5	245.5
17.5°	383.4	369.5	340.2	310.0	286.3	274.1	269.2	267.6	269.2	271.6	270.0
20°	434.8	414.4	377.7	340.2	314.9	302.6	294.5	292.9	295.3	296.9	297.7
22.5°	488.6	466.6	420.1	372.0	345.9	329.6	320.6	318.1	322.2	326.3	327.1
25°	549.8	525.3	465.8	410.3	373.6	351.6	343.4	342.6	349.1	354.9	354.9
27.5°	624.0	591.4	515.6	451.9	404.6	375.2	366.3	367.1	376.1	381.0	382.6
30°	701.5	664.8	572.7	490.3	429.1	394.0	384.2	388.3	397.3	407.1	408.7
32.5°	788.8	745.6	628.1	528.6	451.1	408.7	398.1	406.2	416.0	427.5	429.1
35°	880.2	822.3	685.2	563.7	469.1	420.1	407.9	417.7	429.9	440.5	443.8
37.5°	983.8	915.3	747.2	592.2	482.9	426.6	413.6	425.0	438.9	449.5	450.3
40°	1089.8	1010.7	806.0	619.2	492.7	430.7	416.8	428.3	441.3	450.3	451.1
42.5°	1200.8	1107.8	860.6	641.2	497.6	430.7	415.2	426.6	438.9	443.8	444.6
45°	1330.5	1210.6	916.9	656.7	499.2	429.1	412.8	421.7	430.7	432.3	434.8
47.5°	1461.0	1312.5	965.0	668.1	498.4	425.0	408.7	416.0	421.7	420.1	422.6
50°	1598.9	1423.5	1011.5	675.4	494.3	420.9	403.0	409.5	411.1	406.2	406.2
52.5°	1731.0	1519.7	1047.4	676.3	488.6	416.0	398.9	403.8	403.0	394.0	394.8
55°	1863.2	1622.5	1077.6	668.9	480.5	411.1	394.8	398.1	395.6	385.0	383.4
57.5°	1976.6	1705.7	1090.7	658.3	471.5	406.2	392.4	395.6	390.7	378.5	377.7
60°	2072.8	1770.2	1091.5	643.6	460.9	402.2	389.9	394.0	389.9	375.2	373.6
62.5°	2132.4	1799.5	1070.3	620.8	450.3	397.3	389.9	393.2	388.3	373.6	372.8
65°	2142.2	1784.9	1036.0	594.7	438.1	392.4	388.3	392.4	387.5	372.0	370.4
67°	2103.8	1742.4	989.5	570.2	427.5	388.3	385.0	390.7	385.0	370.4	367.9
67.5°	2090.8	1722.9	978.9	566.9	425.0	386.7	384.2	389.1	384.2	369.5	367.1
70°	1976.6	1616.0	899.0	531.1	409.5	378.5	378.5	382.6	377.7	363.8	359.7
72.5°	1800.4	1465.9	819.0	496.8	392.4	366.3	368.7	372.8	367.9	354.9	350.0
75°	1596.4	1297.0	730.1	456.8	372.8	354.0	355.7	359.7	354.9	341.0	336.9
77.5°	1369.6	1102.1	640.4	420.1	352.4	337.7	338.5	341.0	336.9	323.0	319.0
80°	1126.6	908.7	549.0	378.5	328.7	317.3	318.1	318.1	312.4	301.0	297.7
82.5°	907.9	738.3	468.2	341.8	302.6	294.5	294.5	293.7	286.3	276.5	271.6
85°	706.4	595.5	392.4	304.3	276.5	269.2	268.4	265.1	257.8	247.2	241.5
87.5°	553.9	471.5	330.4	268.4	250.4	245.5	240.6	233.3	227.6	218.6	213.7
90°	432.3	374.4	279.0	235.8	225.1	218.6	213.7	204.8	195.8	186.8	184.4
92.5°	338.5	296.1	232.5	205.6	199.0	194.1	187.6	177.8	169.7	159.1	159.9
95°	268.4	240.6	198.2	181.1	176.2	172.1	164.0	153.4	144.4	134.6	133.0
97.5°	210.5	191.7	166.4	157.4	155.8	150.9	142.8	132.2	122.4	111.8	111.8
100°	167.2	156.6	140.3	138.7	135.4	132.2	124.0	114.2	102.0	93.0	93.0
102.5°	134.6	125.6	119.9	119.9	119.1	115.8	107.7	97.9	85.7	76.7	76.7
105°	107.7	104.4	102.0	104.4	105.2	102.0	93.8	83.2	71.0	62.8	64.4
107.5°	89.7	87.3	87.3	90.5	92.2	88.9	81.6	70.2	58.7	53.0	53.0



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CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	74.2	73.4	75.0	79.1	79.9	77.5	70.2	59.5	48.9	44.1	44.9
112.5°	62.8	62.0	65.3	69.3	70.2	67.7	60.4	50.6	40.8	37.5	37.5
115°	53.0	53.8	56.3	59.5	61.2	58.7	52.2	43.2	33.4	31.8	31.8
117.5°	45.7	46.5	48.9	53.0	53.8	50.6	44.1	35.9	28.6	27.7	27.7
120°	40.0	40.8	43.2	45.7	46.5	43.2	37.5	30.2	24.5	23.7	23.7
122.5°	35.1	36.7	38.3	40.0	40.8	37.5	32.6	25.3	20.4	20.4	21.2
125°	31.0	31.8	33.4	35.1	35.1	31.8	26.9	21.2	17.9	17.9	17.9
127.5°	27.7	27.7	28.6	30.2	30.2	27.7	22.8	17.1	15.5	15.5	16.3
130°	24.5	25.3	25.3	25.3	25.3	22.8	18.8	14.7	13.1	13.9	13.9
132.5°	21.2	22.0	22.0	22.0	21.2	18.8	15.5	12.2	11.4	12.2	12.2
135°	18.8	18.8	18.8	18.8	17.1	15.5	12.2	9.8	9.8	10.6	10.6
137.5°	16.3	16.3	16.3	15.5	13.9	12.2	9.8	8.2	8.2	9.0	9.0
140°	13.1	13.9	13.1	12.2	10.6	9.0	7.3	6.5	7.3	7.3	7.3
142.5°	10.6	10.6	10.6	9.8	8.2	6.5	5.7	4.9	5.7	5.7	6.5
145°	8.2	8.2	8.2	7.3	5.7	4.1	4.1	4.1	4.9	4.9	4.9
147.5°	5.7	5.7	5.7	4.9	3.3	2.4	2.4	2.4	3.3	3.3	3.3
150°	4.1	4.1	4.1	3.3	1.6	0.8	0.8	1.6	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	1.6	1.6	0.8	0.8
155°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	0.0	0.0
157.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0
160°	0.8	0.8	0.8	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)