

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: P415558

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-750-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5819 lumens
Efficiency: N/A
Efficacy: 107.8 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: B1 - U3 - G3

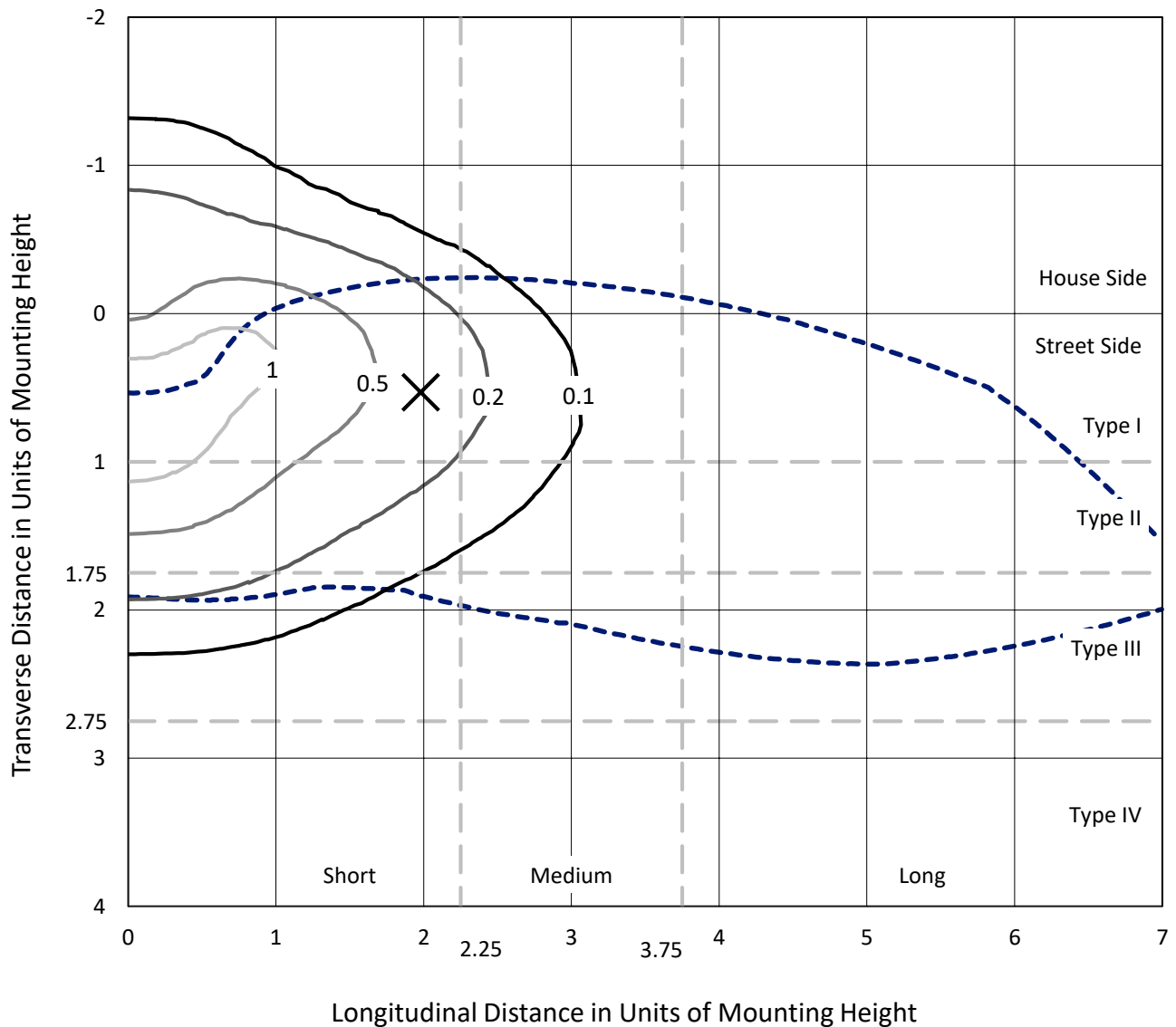
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

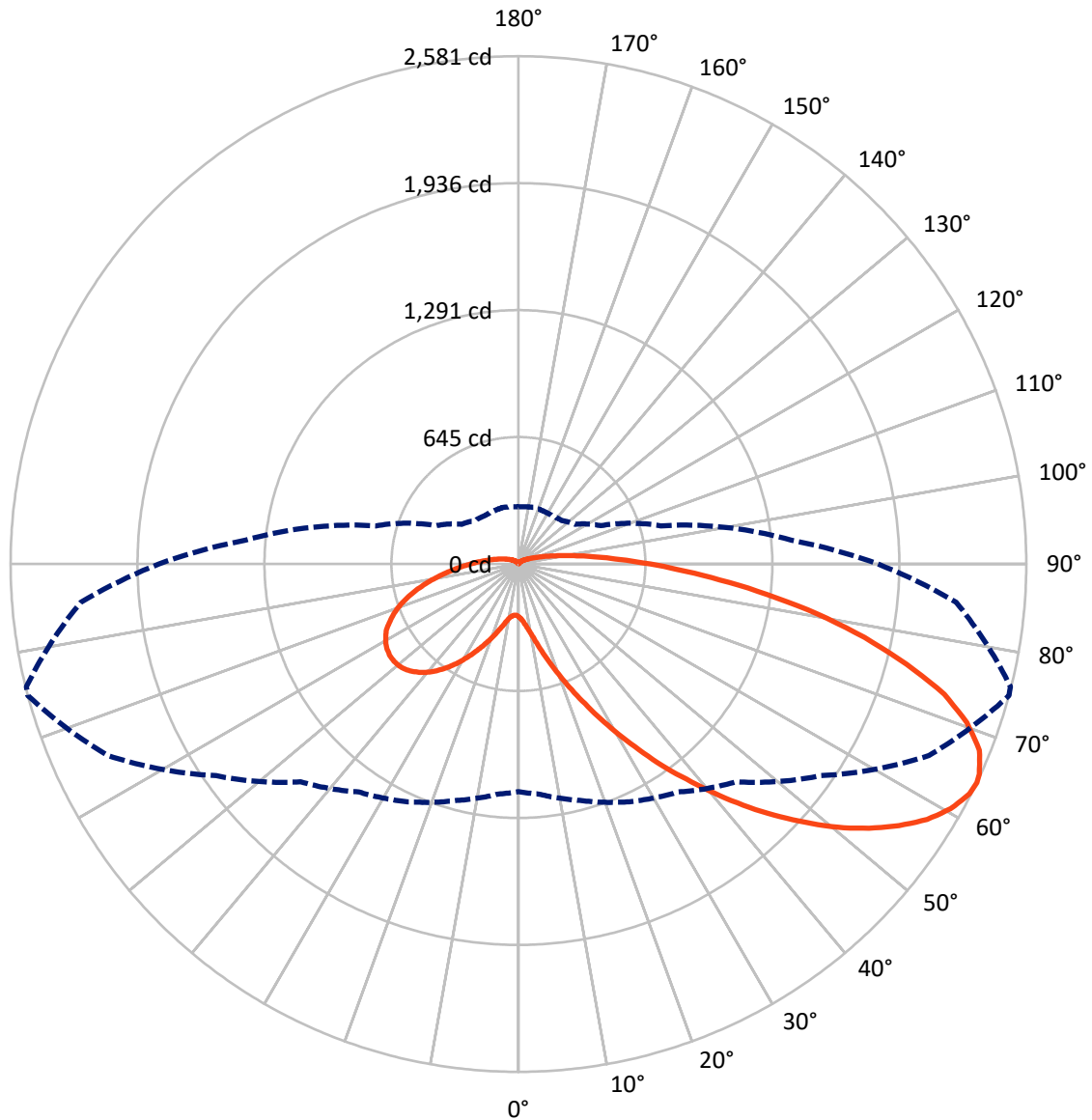


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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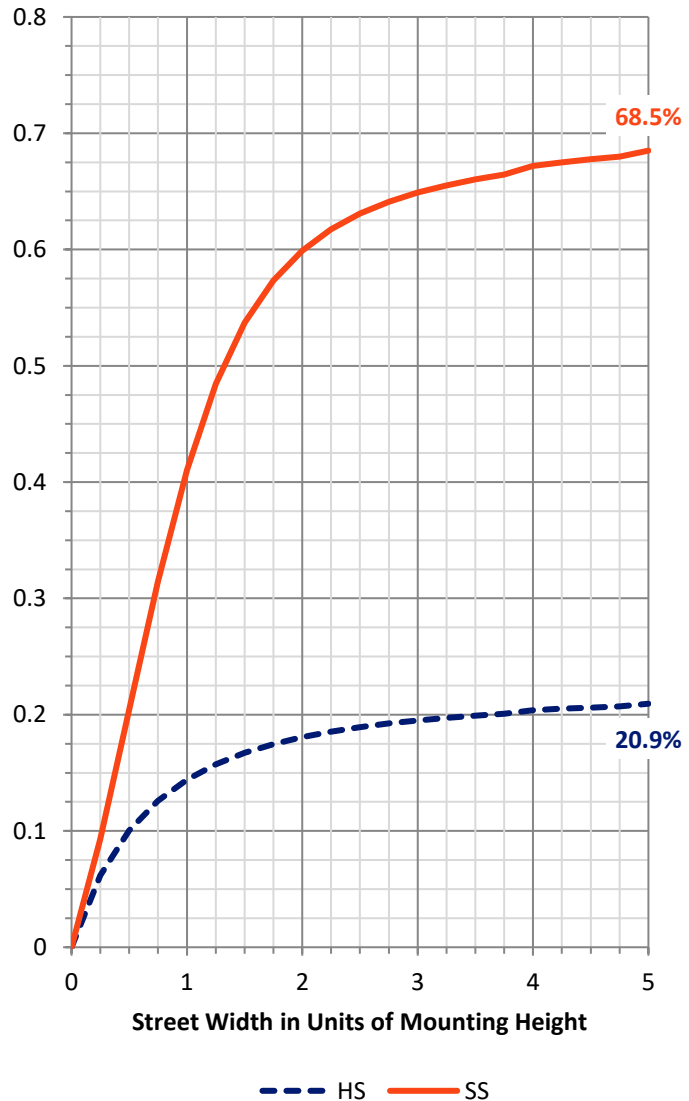
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1283.4	169.0	1452.5
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4109.4	257.2	4366.5
	% Fixture	70.6	4.4	75.0
Total	Lumens	5392.8	426.2	5819.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.5
10°-20°	117.4	2.0
20°-30°	297.1	5.1
30°-40°	581.9	10.0
40°-50°	905.3	15.6
50°-60°	1110.2	19.1
60°-70°	1079.2	18.5
70°-80°	813.9	14.0
80°-90°	459.6	7.9
90°-100°	216.8	3.7
100°-110°	104.7	1.8
110°-120°	55.0	0.9
120°-130°	29.6	0.5
130°-140°	14.5	0.2
140°-150°	5.0	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5392.8	92.7
0°-180°	5819.0	100.0

Coefficient of Utilization



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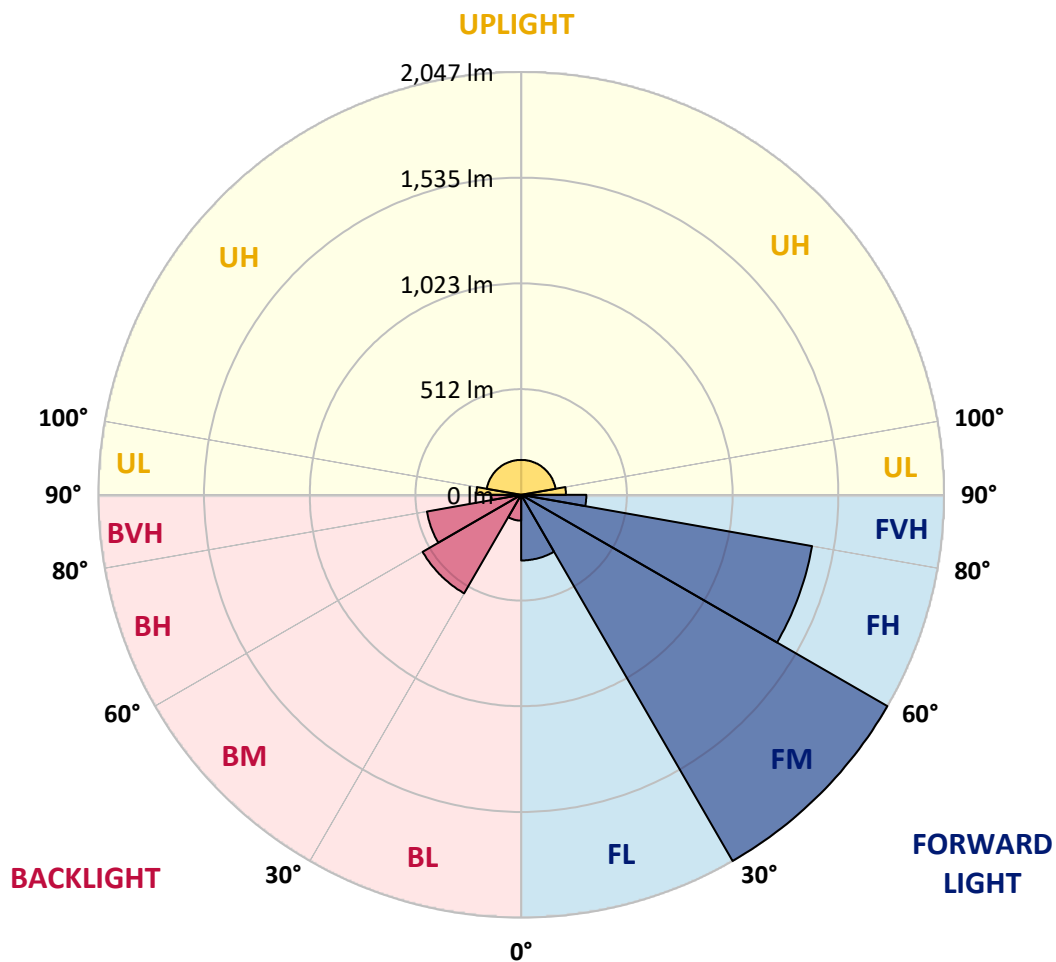
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.9	5.5			
FM	(30°-60°)	2046.6	35.2			
FH	(60°-80°)	1429.7	24.6			G1/1800
FVH	(80°-90°)	315.2	5.4			G3/500
BL	(0°-30°)	124.9	2.1	B1/500		
BM	(30°-60°)	550.8	9.5	B1/1000		
BH	(60°-80°)	463.4	8.0	B1/500		G1/500
BVH	(80°-90°)	144.4	2.5			G2/225
UL	(90°-100°)	216.8	3.7		U3/500	
UH	(100°-180°)	169.0	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	312.8	309.9	308.5	307.8	302.9	297.9	292.3	286.6	280.3	278.9	273.2
5°	361.5	358.0	356.5	352.3	345.2	336.8	324.8	313.5	299.4	300.1	287.4
7.5°	417.3	414.4	410.2	403.9	393.3	382.0	364.3	347.4	328.3	326.2	307.8
10°	480.8	478.7	474.5	464.6	451.2	432.1	414.4	389.0	362.2	360.8	334.0
12.5°	557.1	554.2	542.2	532.3	514.7	497.0	470.2	439.9	410.9	407.4	374.2
15°	643.2	639.0	630.5	615.0	595.9	566.9	538.7	508.3	470.2	463.9	425.0
17.5°	731.4	731.4	720.9	702.5	676.4	651.0	619.9	581.8	533.8	533.1	481.5
20°	842.3	840.9	824.6	797.8	771.7	744.9	707.4	664.4	610.7	605.8	542.9
22.5°	962.3	960.9	941.1	912.2	878.3	840.2	798.5	753.3	694.7	688.4	615.0
25°	1092.2	1091.5	1071.1	1026.6	983.5	947.5	904.4	854.3	786.5	785.1	696.9
27.5°	1250.4	1242.6	1210.8	1156.5	1102.1	1055.5	1005.4	960.2	892.4	881.8	783.7
30°	1402.9	1398.6	1355.6	1297.0	1222.1	1160.7	1109.9	1075.3	1005.4	995.5	885.4
32.5°	1560.3	1557.5	1505.3	1437.5	1345.0	1268.7	1229.2	1191.8	1124.7	1120.5	985.6
35°	1734.7	1723.4	1663.4	1570.2	1462.9	1377.5	1342.2	1325.2	1258.9	1243.3	1095.8
37.5°	1877.3	1868.9	1814.5	1700.8	1574.5	1482.7	1455.8	1444.5	1387.4	1381.0	1215.1
40°	2015.0	2008.7	1942.3	1819.4	1675.4	1583.6	1556.8	1575.9	1530.0	1520.1	1335.1
42.5°	2114.6	2106.1	2044.7	1914.1	1763.0	1666.2	1665.5	1709.3	1676.1	1665.5	1459.4
45°	2173.9	2165.4	2114.6	1988.9	1831.4	1738.2	1754.5	1831.4	1821.6	1808.9	1573.0
47.5°	2179.5	2174.6	2137.9	2021.4	1873.1	1794.7	1841.3	1951.5	1962.1	1950.1	1694.5
50°	2128.0	2132.9	2109.6	2017.1	1887.9	1831.4	1911.9	2065.1	2104.0	2089.9	1815.2
52.5°	2030.5	2024.9	2034.8	1969.1	1872.4	1844.2	1959.9	2160.5	2231.8	2217.6	1926.8
55°	1868.2	1872.4	1907.0	1882.3	1823.7	1829.3	1988.9	2236.0	2347.6	2336.3	2027.7
57.5°	1697.3	1687.4	1749.5	1753.8	1737.5	1789.8	1992.4	2293.2	2449.9	2437.9	2114.6
60°	1473.5	1497.5	1553.3	1601.3	1629.5	1724.1	1969.1	2322.8	2524.8	2521.2	2184.5
62.5°	1280.0	1285.0	1360.5	1433.2	1501.0	1631.6	1917.6	2322.1	2573.5	2569.2	2226.1
64°	1157.2	1173.4	1244.7	1333.0	1414.2	1565.3	1875.2	2302.4	2581.3	2577.7	2233.2
65°	1090.1	1088.0	1173.4	1262.4	1349.9	1515.1	1832.2	2281.2	2574.2	2574.2	2230.4
67.5°	905.8	912.9	987.7	1090.1	1198.1	1382.4	1722.0	2205.6	2527.6	2532.5	2189.4
70°	747.0	757.6	839.5	930.5	1049.9	1249.0	1585.7	2069.4	2418.2	2425.2	2101.2
72.5°	616.4	628.4	688.4	780.2	912.2	1108.5	1431.8	1898.5	2263.5	2266.4	1953.6
75°	501.3	514.7	575.4	655.2	769.6	957.4	1263.8	1712.8	2038.3	2052.4	1763.0
77.5°	408.1	422.2	478.0	550.0	658.7	819.0	1097.2	1498.2	1799.0	1807.4	1544.8
80°	329.7	344.5	394.0	461.7	556.4	697.6	941.1	1278.6	1540.6	1540.6	1320.3
82.5°	267.6	280.3	324.8	383.4	469.5	588.8	790.8	1062.6	1273.7	1274.4	1090.8
85°	216.0	223.8	267.6	319.1	390.4	493.5	653.8	864.9	1027.3	1012.4	879.0
87.5°	173.7	180.7	217.5	267.6	324.1	411.6	536.6	703.9	807.7	812.6	701.8
90°	139.8	144.0	177.9	220.3	272.5	340.3	436.3	559.9	635.4	629.1	550.0
92.5°	113.7	118.6	147.6	185.7	229.5	285.9	359.4	443.4	492.1	493.5	430.0
95°	93.2	96.0	122.8	156.7	196.3	239.3	293.0	353.0	386.2	382.0	334.7
97.5°	77.7	79.1	103.8	134.1	166.6	201.9	244.3	281.0	299.4	296.5	261.9
100°	65.7	67.1	88.3	116.5	144.0	172.3	201.9	226.6	233.0	229.5	206.2
102.5°	57.2	57.9	75.5	101.0	124.3	147.6	168.0	183.6	182.9	182.9	163.1
105°	50.1	50.8	65.7	88.3	109.4	127.8	141.9	149.7	146.9	145.4	130.6
107.5°	45.2	45.9	57.9	77.7	96.7	110.8	121.4	123.6	117.9	116.5	105.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	40.9	40.9	50.8	68.5	85.4	96.7	103.8	103.8	95.3	94.6	87.5
112.5°	37.4	38.1	45.9	60.7	75.5	85.4	89.7	86.1	78.4	77.7	74.1
115°	34.6	35.3	40.9	54.4	67.1	75.5	77.7	72.7	65.0	64.2	61.4
117.5°	32.5	33.2	37.4	48.0	60.0	66.4	67.1	62.1	54.4	53.7	53.0
120°	31.1	31.1	34.6	43.1	53.0	58.6	57.9	53.0	46.6	45.9	45.9
122.5°	29.7	29.7	31.8	38.1	46.6	51.5	50.8	45.2	39.5	39.5	39.5
125°	28.2	28.2	29.7	34.6	41.7	45.2	43.8	38.8	33.9	33.9	35.3
127.5°	26.8	26.8	27.5	30.4	36.7	38.8	37.4	32.5	29.7	29.7	30.4
130°	25.4	25.4	25.4	27.5	31.8	33.2	31.8	27.5	25.4	25.4	26.8
132.5°	24.0	24.0	24.0	24.0	26.8	28.2	26.1	22.6	21.9	22.6	23.3
135°	22.6	22.6	21.9	21.2	22.6	23.3	21.2	19.1	19.1	19.1	20.5
137.5°	21.2	20.5	19.8	19.1	18.4	18.4	16.9	14.8	16.2	16.2	17.7
140°	19.1	18.4	17.7	16.2	14.8	14.1	12.7	12.0	13.4	13.4	14.1
142.5°	16.9	16.2	15.5	13.4	11.3	9.9	8.5	9.2	10.6	10.6	11.3
145°	14.1	14.1	12.7	10.6	8.5	7.1	5.6	6.4	7.8	7.8	8.5
147.5°	12.0	11.3	10.6	8.5	5.6	4.2	2.8	4.2	5.6	5.6	6.4
150°	9.2	8.5	7.8	5.6	3.5	1.4	1.4	2.8	3.5	3.5	4.2
152.5°	6.4	6.4	5.6	3.5	1.4	0.0	0.7	1.4	2.1	2.1	2.8
155°	4.2	3.5	2.8	2.1	0.7	0.0	0.0	0.7	1.4	1.4	1.4
157.5°	2.1	2.1	1.4	1.4	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	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°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	269.7	266.9	260.5	254.9	249.2	244.3	241.5	237.9	237.2	236.5	236.5
5°	279.6	273.2	260.5	248.5	237.2	228.0	221.0	213.9	210.4	209.0	208.3
7.5°	296.5	286.6	266.2	247.8	230.9	216.8	205.5	197.0	192.0	189.2	188.5
10°	319.8	305.7	277.5	252.1	229.5	211.1	197.0	187.1	180.7	177.9	177.2
12.5°	356.5	334.0	298.7	262.6	233.0	210.4	194.2	183.6	180.7	177.9	177.9
15°	398.2	375.6	326.9	282.4	244.3	214.6	200.5	193.5	189.2	187.1	186.4
17.5°	451.9	417.3	358.7	303.6	258.4	230.2	211.8	204.0	199.8	197.7	197.0
20°	506.9	466.0	394.0	326.9	277.5	248.5	226.6	214.6	210.4	208.3	207.6
22.5°	572.6	523.2	430.7	351.6	299.4	265.5	240.8	226.6	221.7	219.6	220.3
25°	639.7	586.7	470.2	377.7	319.8	279.6	254.2	237.9	234.4	231.6	231.6
27.5°	721.6	651.0	510.5	407.4	337.5	292.3	266.2	249.9	243.6	243.6	242.9
30°	807.7	719.4	554.2	432.8	353.0	303.6	275.4	260.5	254.2	253.5	253.5
32.5°	891.7	792.9	597.3	458.2	365.0	311.4	283.8	269.7	261.9	261.2	261.9
35°	989.9	867.7	637.5	478.7	375.6	317.7	290.2	277.5	269.0	268.3	268.3
37.5°	1083.1	944.7	676.4	494.9	382.7	322.0	295.1	283.8	274.6	273.9	273.2
40°	1180.5	1017.4	711.7	508.3	386.2	324.8	297.9	288.1	279.6	276.8	276.8
42.5°	1279.3	1090.8	741.3	516.1	388.3	325.5	300.1	290.9	283.1	278.2	278.2
45°	1371.8	1153.7	766.0	520.3	388.3	326.2	301.5	293.0	285.9	279.6	278.9
47.5°	1473.5	1217.2	785.1	521.1	386.2	324.8	302.2	295.1	287.4	280.3	279.6
50°	1562.4	1277.2	797.1	518.9	383.4	324.1	302.9	295.8	289.5	281.0	281.0
52.5°	1640.8	1325.2	802.8	513.3	379.8	322.7	302.9	297.2	291.6	282.4	281.7
55°	1710.0	1362.6	802.1	504.8	374.2	320.5	302.2	297.2	293.0	283.1	283.1
57.5°	1769.3	1388.8	795.7	494.9	368.5	319.1	302.2	297.9	294.4	285.2	285.2
60°	1809.6	1403.6	783.0	482.9	362.9	316.3	301.5	298.7	296.5	287.4	288.1
62.5°	1828.6	1401.5	763.2	470.2	356.5	313.5	300.1	297.9	297.2	290.2	290.2
64°	1827.2	1391.6	749.8	461.0	352.3	312.1	299.4	297.2	297.9	291.6	291.6
65°	1818.0	1377.5	735.7	454.0	348.8	310.7	297.9	296.5	297.9	291.6	291.6
67.5°	1773.6	1333.7	699.7	436.3	339.6	304.3	293.7	293.0	295.1	290.9	290.2
70°	1685.3	1264.5	660.8	413.7	328.3	297.2	287.4	286.6	289.5	285.9	284.5
72.5°	1565.3	1168.5	613.5	390.4	314.9	287.4	278.9	278.2	279.6	277.5	275.4
75°	1414.2	1055.5	560.6	364.3	300.1	274.6	266.9	265.5	267.6	264.8	263.3
77.5°	1246.1	930.5	504.8	336.8	281.0	260.5	252.8	250.6	250.6	247.1	243.6
80°	1061.2	802.8	449.0	308.5	261.2	242.9	236.5	233.7	231.6	225.9	222.4
82.5°	886.1	682.7	391.8	279.6	240.1	223.8	217.5	213.9	209.0	201.9	197.0
85°	720.9	568.4	339.6	248.5	218.9	203.3	198.4	192.0	185.7	177.9	171.6
87.5°	578.9	465.3	293.0	221.0	194.9	182.9	177.2	168.7	162.4	153.9	148.3
90°	459.6	381.3	250.6	194.2	173.7	163.1	158.2	149.7	140.5	131.3	126.4
92.5°	370.7	310.7	216.0	171.6	155.3	146.1	139.8	131.3	120.7	111.6	108.0
95°	294.4	251.3	184.3	151.8	137.7	129.2	122.8	115.1	103.8	93.2	90.4
97.5°	233.0	206.9	157.4	133.4	122.1	115.1	108.0	101.0	89.7	79.1	77.7
100°	187.1	168.0	134.9	117.9	108.0	101.7	96.0	88.3	77.7	66.4	66.4
102.5°	151.1	139.1	115.8	103.8	96.0	90.4	84.7	77.7	67.1	57.2	56.5
105°	123.6	115.1	99.6	91.8	85.4	81.2	75.5	67.8	57.9	48.7	48.0
107.5°	103.1	95.3	86.1	81.2	76.3	72.0	67.8	60.0	50.1	42.4	42.4



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CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	84.7	81.9	74.8	71.3	68.5	64.2	60.0	52.2	43.1	37.4	37.4
112.5°	72.0	69.2	65.7	63.5	60.7	57.9	53.0	45.9	37.4	33.2	33.2
115°	60.7	59.3	57.2	55.8	54.4	51.5	46.6	39.5	31.8	28.9	29.7
117.5°	53.0	52.2	50.8	50.1	48.7	45.2	40.9	34.6	27.5	26.1	26.1
120°	45.9	45.9	44.5	44.5	43.1	40.2	35.3	29.7	24.0	23.3	23.3
122.5°	40.2	40.2	39.5	39.5	38.1	35.3	31.1	25.4	20.5	20.5	21.2
125°	35.3	35.3	34.6	34.6	33.9	31.1	26.8	21.9	18.4	18.4	18.4
127.5°	31.1	31.1	31.1	30.4	28.9	26.8	22.6	18.4	16.2	16.2	16.2
130°	27.5	27.5	26.8	26.8	25.4	22.6	19.1	15.5	13.4	14.8	14.8
132.5°	24.0	24.0	24.0	22.6	21.2	19.1	15.5	12.7	12.0	12.7	12.7
135°	20.5	21.2	20.5	19.8	18.4	15.5	12.7	10.6	10.6	11.3	11.3
137.5°	17.7	17.7	17.7	16.2	14.8	12.7	9.9	8.5	9.2	9.9	9.9
140°	14.8	14.8	14.1	13.4	12.0	9.9	7.8	6.4	7.8	8.5	8.5
142.5°	12.0	12.0	11.3	10.6	8.5	7.1	4.9	4.9	6.4	7.1	7.1
145°	9.2	9.2	8.5	7.8	6.4	4.2	3.5	4.2	5.6	5.6	5.6
147.5°	6.4	6.4	6.4	4.9	3.5	2.1	1.4	2.8	4.2	4.2	4.9
150°	4.2	4.2	4.2	3.5	2.1	0.7	0.7	2.1	2.8	3.5	3.5
152.5°	2.8	2.8	2.8	2.1	1.4	0.0	0.0	1.4	2.1	2.1	2.1
155°	1.4	1.4	1.4	1.4	0.7	0.0	0.0	0.7	1.4	1.4	1.4
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.4	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	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)