

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: P416390

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416390
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-PA1-70-750-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA 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: 7540 lumens
Efficiency: N/A
Efficacy: 101.9 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

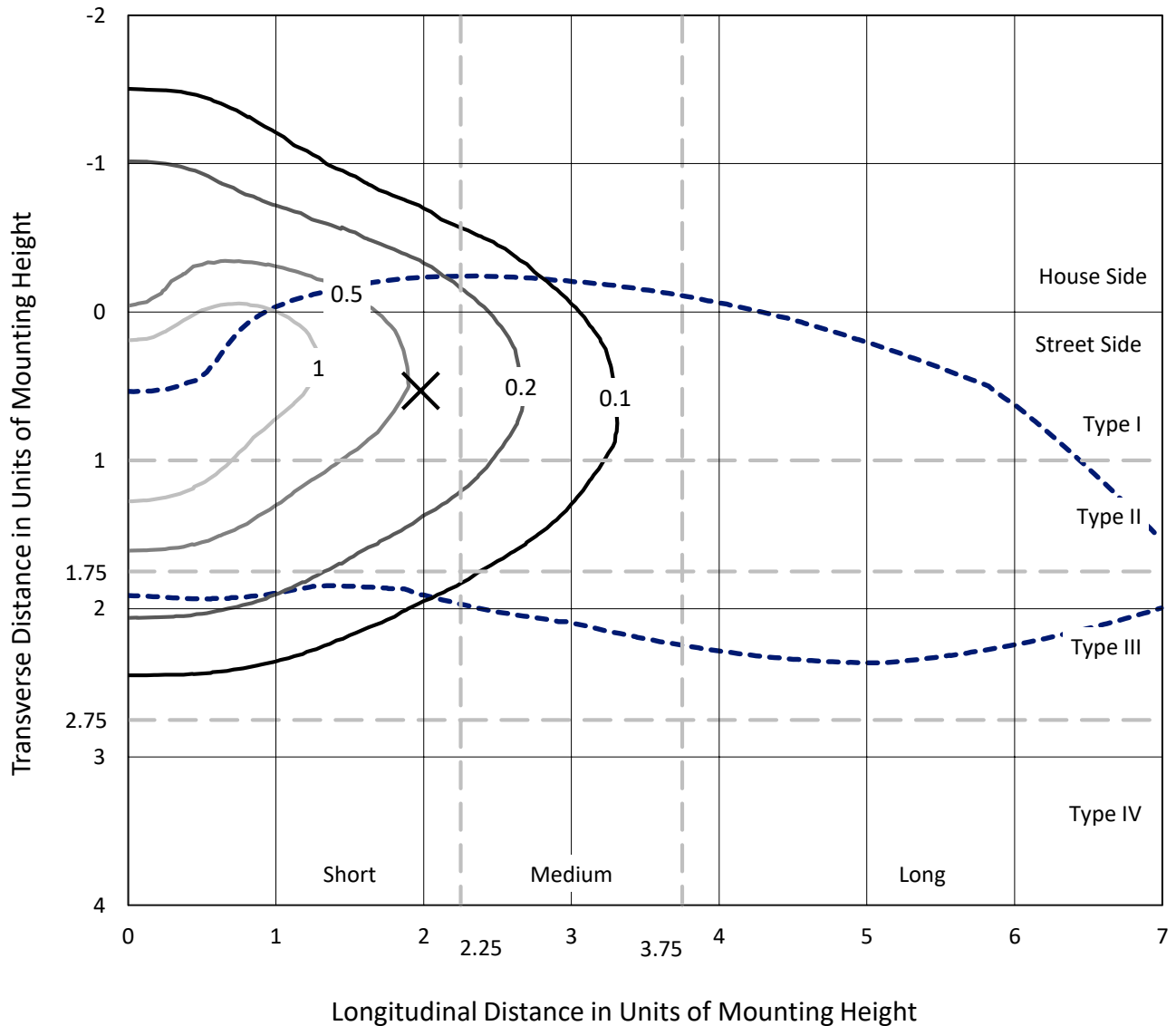
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

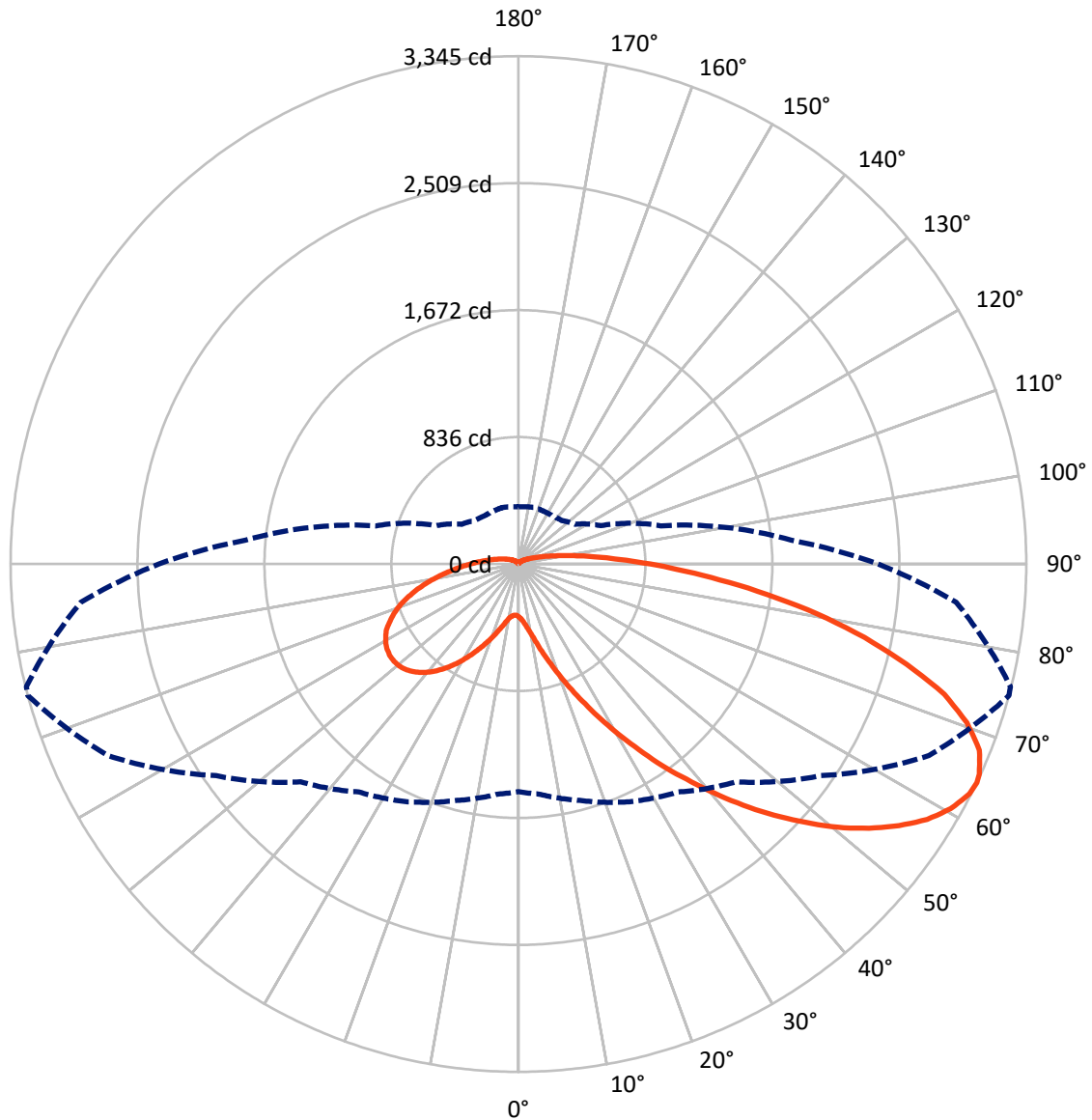
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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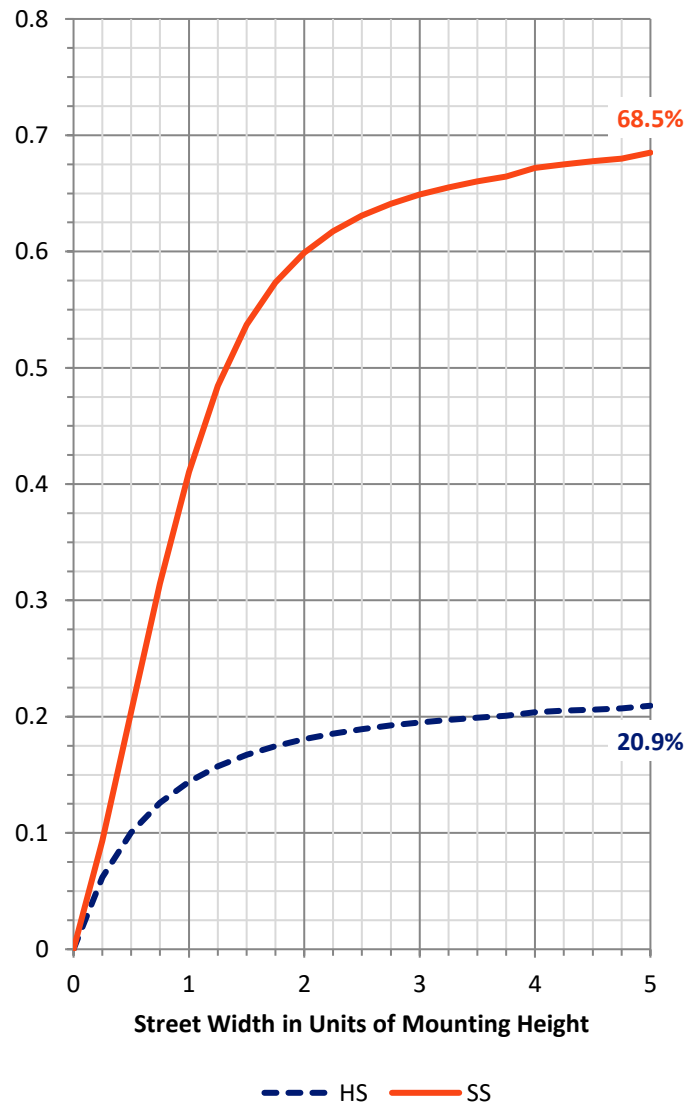
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1663.0	219.0	1882.0
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	5324.8	333.2	5658.0
	% Fixture	70.6	4.4	75.0
Total	Lumens	6987.8	552.2	7540.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	0.5
10°-20°	152.1	2.0
20°-30°	385.0	5.1
30°-40°	754.0	10.0
40°-50°	1173.0	15.6
50°-60°	1438.5	19.1
60°-70°	1398.4	18.5
70°-80°	1054.6	14.0
80°-90°	595.5	7.9
90°-100°	280.9	3.7
100°-110°	135.7	1.8
110°-120°	71.2	0.9
120°-130°	38.3	0.5
130°-140°	18.7	0.2
140°-150°	6.4	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6987.8	92.7
0°-180°	7540.0	100.0



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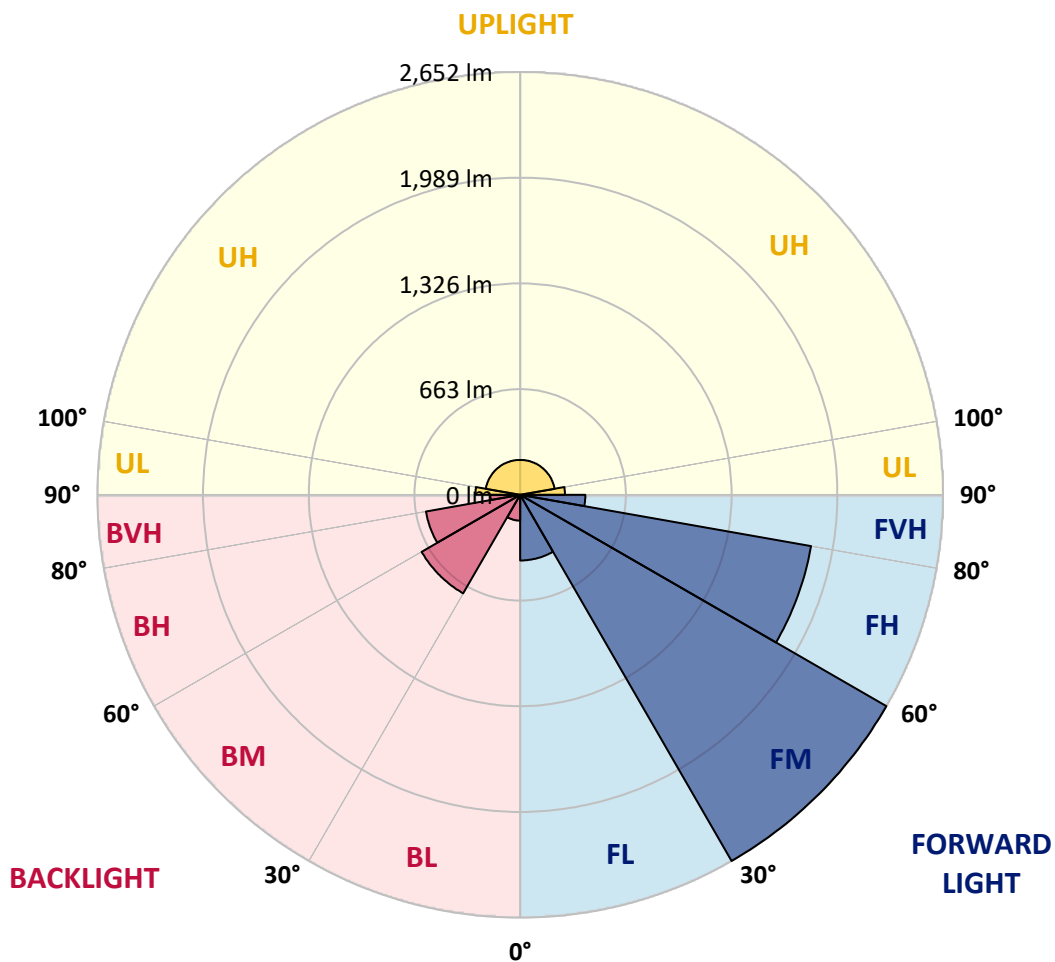
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.9	5.5			
FM	(30°-60°)	2651.8	35.2			
FH	(60°-80°)	1852.6	24.6			G2/5000
FVH	(80°-90°)	408.4	5.4			G3/500
BL	(0°-30°)	161.8	2.1	B1/500		
BM	(30°-60°)	713.7	9.5	B1/1000		
BH	(60°-80°)	600.4	8.0	B2/1000		G2/1000
BVH	(80°-90°)	187.1	2.5			G2/225
UL	(90°-100°)	280.9	3.7		U3/500	
UH	(100°-180°)	219.0	2.9		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°	76°	85°
0°	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6
2.5°	405.3	401.6	399.8	398.9	392.5	386.1	378.7	371.4	363.2	361.4	354.0
5°	468.4	463.8	462.0	456.5	447.4	436.4	420.8	406.2	387.9	388.8	372.3
7.5°	540.7	537.0	531.5	523.3	509.6	494.9	472.1	450.1	425.4	422.7	398.9
10°	623.0	620.3	614.8	602.0	584.6	559.9	537.0	504.1	469.3	467.5	432.7
12.5°	721.8	718.2	702.6	689.8	666.9	644.1	609.3	569.9	532.4	527.9	484.9
15°	833.4	827.9	817.0	796.8	772.1	734.6	698.0	658.7	609.3	601.1	550.7
17.5°	947.8	947.8	934.1	910.3	876.4	843.5	803.2	753.8	691.6	690.7	623.9
20°	1091.4	1089.6	1068.5	1033.8	999.9	965.2	916.7	860.9	791.3	784.9	703.5
22.5°	1246.9	1245.1	1219.5	1182.0	1138.1	1088.7	1034.7	976.1	900.2	892.0	796.8
25°	1415.3	1414.3	1387.8	1330.2	1274.4	1227.7	1171.9	1107.0	1019.1	1017.3	903.0
27.5°	1620.2	1610.1	1569.0	1498.5	1428.1	1367.7	1302.7	1244.2	1156.4	1142.6	1015.5
30°	1817.8	1812.3	1756.5	1680.6	1583.6	1504.0	1438.1	1393.3	1302.7	1289.9	1147.2
32.5°	2021.8	2018.1	1950.4	1862.6	1742.8	1644.0	1592.7	1544.3	1457.3	1451.9	1277.1
35°	2247.8	2233.1	2155.4	2034.6	1895.6	1784.9	1739.1	1717.2	1631.2	1611.0	1419.8
37.5°	2432.6	2421.6	2351.1	2203.9	2040.1	1921.2	1886.4	1871.8	1797.7	1789.4	1574.4
40°	2611.0	2602.7	2516.7	2357.6	2170.9	2052.0	2017.2	2041.9	1982.5	1969.7	1730.0
42.5°	2740.0	2729.0	2649.4	2480.1	2284.4	2159.0	2158.1	2214.8	2171.8	2158.1	1891.0
45°	2816.8	2805.8	2740.0	2577.1	2373.1	2252.3	2273.4	2373.1	2360.3	2343.8	2038.3
47.5°	2824.1	2817.7	2770.1	2619.2	2427.1	2325.5	2385.9	2528.6	2542.4	2526.8	2195.6
50°	2757.3	2763.7	2733.6	2613.7	2446.3	2373.1	2477.4	2675.9	2726.2	2707.9	2352.1
52.5°	2631.1	2623.8	2636.6	2551.5	2426.2	2389.6	2539.6	2799.4	2891.8	2873.5	2496.6
55°	2420.7	2426.2	2471.0	2439.0	2363.0	2370.4	2577.1	2897.3	3041.9	3027.2	2627.4
57.5°	2199.3	2186.5	2267.0	2272.5	2251.4	2319.1	2581.7	2971.4	3174.5	3159.0	2740.0
60°	1909.3	1940.4	2012.7	2074.9	2111.5	2234.0	2551.5	3009.8	3271.5	3266.9	2830.5
62.5°	1658.6	1665.0	1762.9	1857.1	1945.0	2114.2	2484.7	3008.9	3334.6	3329.1	2884.5
64°	1499.4	1520.5	1612.9	1727.2	1832.4	2028.2	2429.8	2983.3	3344.7	3340.1	2893.7
65°	1412.5	1409.8	1520.5	1635.7	1749.2	1963.3	2374.0	2955.9	3335.5	3335.5	2890.0
67.5°	1173.7	1182.9	1279.9	1412.5	1552.5	1791.3	2231.3	2858.0	3275.1	3281.5	2836.9
70°	967.9	981.6	1087.7	1205.8	1360.4	1618.4	2054.7	2681.4	3133.3	3142.5	2722.6
72.5°	798.7	814.2	892.0	1010.9	1182.0	1436.3	1855.3	2460.0	2933.0	2936.7	2531.4
75°	649.5	666.9	745.6	849.0	997.2	1240.5	1637.6	2219.4	2641.2	2659.5	2284.4
77.5°	528.8	547.1	619.3	712.7	853.5	1061.2	1421.7	1941.3	2331.0	2342.0	2001.7
80°	427.2	446.4	510.5	598.3	720.9	903.9	1219.5	1656.8	1996.2	1996.2	1710.8
82.5°	346.7	363.2	420.8	496.8	608.4	763.0	1024.6	1376.8	1650.4	1651.3	1413.4
85°	279.9	290.0	346.7	413.5	505.9	639.5	847.1	1120.7	1331.1	1311.9	1139.0
87.5°	225.1	234.2	281.8	346.7	419.9	533.4	695.3	912.1	1046.6	1053.0	909.4
90°	181.1	186.6	230.5	285.4	353.1	441.0	565.4	725.5	823.4	815.1	712.7
92.5°	147.3	153.7	191.2	240.6	297.3	370.5	465.7	574.5	637.6	639.5	557.1
95°	120.8	124.4	159.2	203.1	254.3	310.1	379.7	457.4	500.4	494.9	433.6
97.5°	100.6	102.5	134.5	173.8	215.9	261.6	316.5	364.1	387.9	384.2	339.4
100°	85.1	86.9	114.4	150.9	186.6	223.2	261.6	293.7	301.9	297.3	267.1
102.5°	74.1	75.0	97.9	130.8	161.0	191.2	217.7	237.9	236.9	236.9	211.3
105°	65.0	65.9	85.1	114.4	141.8	165.6	183.9	193.9	190.3	188.5	169.2
107.5°	58.6	59.5	75.0	100.6	125.3	143.6	157.4	160.1	152.8	150.9	137.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	53.1	53.1	65.9	88.7	110.7	125.3	134.5	134.5	123.5	122.6	113.4
112.5°	48.5	49.4	59.5	78.7	97.9	110.7	116.2	111.6	101.5	100.6	96.1
115°	44.8	45.7	53.1	70.4	86.9	97.9	100.6	94.2	84.2	83.3	79.6
117.5°	42.1	43.0	48.5	62.2	77.8	86.0	86.9	80.5	70.4	69.5	68.6
120°	40.3	40.3	44.8	55.8	68.6	75.9	75.0	68.6	60.4	59.5	59.5
122.5°	38.4	38.4	41.2	49.4	60.4	66.8	65.9	58.6	51.2	51.2	51.2
125°	36.6	36.6	38.4	44.8	54.0	58.6	56.7	50.3	43.9	43.9	45.7
127.5°	34.8	34.8	35.7	39.3	47.6	50.3	48.5	42.1	38.4	38.4	39.3
130°	32.9	32.9	32.9	35.7	41.2	43.0	41.2	35.7	32.9	32.9	34.8
132.5°	31.1	31.1	31.1	31.1	34.8	36.6	33.8	29.3	28.4	29.3	30.2
135°	29.3	29.3	28.4	27.4	29.3	30.2	27.4	24.7	24.7	24.7	26.5
137.5°	27.4	26.5	25.6	24.7	23.8	23.8	22.0	19.2	21.0	21.0	22.9
140°	24.7	23.8	22.9	21.0	19.2	18.3	16.5	15.6	17.4	17.4	18.3
142.5°	22.0	21.0	20.1	17.4	14.6	12.8	11.0	11.9	13.7	13.7	14.6
145°	18.3	18.3	16.5	13.7	11.0	9.1	7.3	8.2	10.1	10.1	11.0
147.5°	15.6	14.6	13.7	11.0	7.3	5.5	3.7	5.5	7.3	7.3	8.2
150°	11.9	11.0	10.1	7.3	4.6	1.8	1.8	3.7	4.6	4.6	5.5
152.5°	8.2	8.2	7.3	4.6	1.8	0.0	0.9	1.8	2.7	2.7	3.7
155°	5.5	4.6	3.7	2.7	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	2.7	2.7	1.8	1.8	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	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°	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6	347.6
2.5°	349.5	345.8	337.6	330.3	322.9	316.5	312.9	308.3	307.4	306.5	306.5
5°	362.3	354.0	337.6	322.0	307.4	295.5	286.3	277.2	272.6	270.8	269.9
7.5°	384.2	371.4	344.9	321.1	299.2	280.9	266.2	255.2	248.8	245.2	244.3
10°	414.4	396.1	359.5	326.6	297.3	273.5	255.2	242.4	234.2	230.5	229.6
12.5°	462.0	432.7	387.0	340.3	301.9	272.6	251.6	237.9	234.2	230.5	230.5
15°	516.0	486.7	423.6	365.9	316.5	278.1	259.8	250.7	245.2	242.4	241.5
17.5°	585.5	540.7	464.7	393.4	334.8	298.2	274.5	264.4	258.9	256.2	255.2
20°	656.9	603.8	510.5	423.6	359.5	322.0	293.7	278.1	272.6	269.9	269.0
22.5°	741.9	677.9	558.1	455.6	387.9	344.0	312.0	293.7	287.3	284.5	285.4
25°	828.8	760.2	609.3	489.4	414.4	362.3	329.3	308.3	303.7	300.1	300.1
27.5°	935.0	843.5	661.4	527.9	437.3	378.7	344.9	323.9	315.6	315.6	314.7
30°	1046.6	932.2	718.2	560.8	457.4	393.4	356.8	337.6	329.3	328.4	328.4
32.5°	1155.4	1027.4	774.0	593.7	473.0	403.4	367.8	349.5	339.4	338.5	339.4
35°	1282.6	1124.3	826.1	620.3	486.7	411.7	376.0	359.5	348.6	347.6	347.6
37.5°	1403.4	1224.1	876.4	641.3	495.8	417.2	382.4	367.8	355.9	355.0	354.0
40°	1529.6	1318.3	922.2	658.7	500.4	420.8	386.1	373.3	362.3	358.6	358.6
42.5°	1657.7	1413.4	960.6	668.8	503.2	421.7	388.8	376.9	366.9	360.4	360.4
45°	1777.5	1494.9	992.6	674.2	503.2	422.7	390.6	379.7	370.5	362.3	361.4
47.5°	1909.3	1577.2	1017.3	675.2	500.4	420.8	391.6	382.4	372.3	363.2	362.3
50°	2024.6	1655.0	1032.9	672.4	496.8	419.9	392.5	383.3	375.1	364.1	364.1
52.5°	2126.1	1717.2	1040.2	665.1	492.2	418.1	392.5	385.1	377.8	365.9	365.0
55°	2215.8	1765.6	1039.3	654.1	484.9	415.3	391.6	385.1	379.7	366.9	366.9
57.5°	2292.6	1799.5	1031.0	641.3	477.5	413.5	391.6	386.1	381.5	369.6	369.6
60°	2344.7	1818.7	1014.6	625.8	470.2	409.9	390.6	387.0	384.2	372.3	373.3
62.5°	2369.4	1816.0	988.9	609.3	462.0	406.2	388.8	386.1	385.1	376.0	376.0
64°	2367.6	1803.2	971.6	597.4	456.5	404.4	387.9	385.1	386.1	377.8	377.8
65°	2355.7	1784.9	953.3	588.2	451.9	402.5	386.1	384.2	386.1	377.8	377.8
67.5°	2298.1	1728.1	906.6	565.4	440.0	394.3	380.6	379.7	382.4	376.9	376.0
70°	2183.7	1638.5	856.3	536.1	425.4	385.1	372.3	371.4	375.1	370.5	368.7
72.5°	2028.2	1514.1	795.0	505.9	408.0	372.3	361.4	360.4	362.3	359.5	356.8
75°	1832.4	1367.7	726.4	472.1	388.8	355.9	345.8	344.0	346.7	343.1	341.2
77.5°	1614.7	1205.8	654.1	436.4	364.1	337.6	327.5	324.8	324.8	320.2	315.6
80°	1375.0	1040.2	581.8	399.8	338.5	314.7	306.5	302.8	300.1	292.8	288.2
82.5°	1148.1	884.7	507.7	362.3	311.0	290.0	281.8	277.2	270.8	261.6	255.2
85°	934.1	736.4	440.0	322.0	283.6	263.5	257.1	248.8	240.6	230.5	222.3
87.5°	750.2	602.9	379.7	286.3	252.5	236.9	229.6	218.6	210.4	199.4	192.1
90°	595.6	494.0	324.8	251.6	225.1	211.3	204.9	193.9	182.1	170.2	163.8
92.5°	480.3	402.5	279.9	222.3	201.3	189.4	181.1	170.2	156.4	144.5	140.0
95°	381.5	325.7	238.8	196.7	178.4	167.4	159.2	149.1	134.5	120.8	117.1
97.5°	301.9	268.0	204.0	172.9	158.3	149.1	140.0	130.8	116.2	102.5	100.6
100°	242.4	217.7	174.7	152.8	140.0	131.7	124.4	114.4	100.6	86.0	86.0
102.5°	195.8	180.2	150.0	134.5	124.4	117.1	109.8	100.6	86.9	74.1	73.2
105°	160.1	149.1	129.0	118.9	110.7	105.2	97.9	87.8	75.0	63.1	62.2
107.5°	133.6	123.5	111.6	105.2	98.8	93.3	87.8	77.8	65.0	54.9	54.9



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CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	109.8	106.1	97.0	92.4	88.7	83.3	77.8	67.7	55.8	48.5	48.5
112.5°	93.3	89.7	85.1	82.3	78.7	75.0	68.6	59.5	48.5	43.0	43.0
115°	78.7	76.8	74.1	72.3	70.4	66.8	60.4	51.2	41.2	37.5	38.4
117.5°	68.6	67.7	65.9	65.0	63.1	58.6	53.1	44.8	35.7	33.8	33.8
120°	59.5	59.5	57.6	57.6	55.8	52.1	45.7	38.4	31.1	30.2	30.2
122.5°	52.1	52.1	51.2	51.2	49.4	45.7	40.3	32.9	26.5	26.5	27.4
125°	45.7	45.7	44.8	44.8	43.9	40.3	34.8	28.4	23.8	23.8	23.8
127.5°	40.3	40.3	40.3	39.3	37.5	34.8	29.3	23.8	21.0	21.0	21.0
130°	35.7	35.7	34.8	34.8	32.9	29.3	24.7	20.1	17.4	19.2	19.2
132.5°	31.1	31.1	31.1	29.3	27.4	24.7	20.1	16.5	15.6	16.5	16.5
135°	26.5	27.4	26.5	25.6	23.8	20.1	16.5	13.7	13.7	14.6	14.6
137.5°	22.9	22.9	22.9	21.0	19.2	16.5	12.8	11.0	11.9	12.8	12.8
140°	19.2	19.2	18.3	17.4	15.6	12.8	10.1	8.2	10.1	11.0	11.0
142.5°	15.6	15.6	14.6	13.7	11.0	9.1	6.4	6.4	8.2	9.1	9.1
145°	11.9	11.9	11.0	10.1	8.2	5.5	4.6	5.5	7.3	7.3	7.3
147.5°	8.2	8.2	8.2	6.4	4.6	2.7	1.8	3.7	5.5	5.5	6.4
150°	5.5	5.5	5.5	4.6	2.7	0.9	0.9	2.7	3.7	4.6	4.6
152.5°	3.7	3.7	3.7	2.7	1.8	0.0	0.0	1.8	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.8	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	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)