

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: P255287

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T2U-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7208.7 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

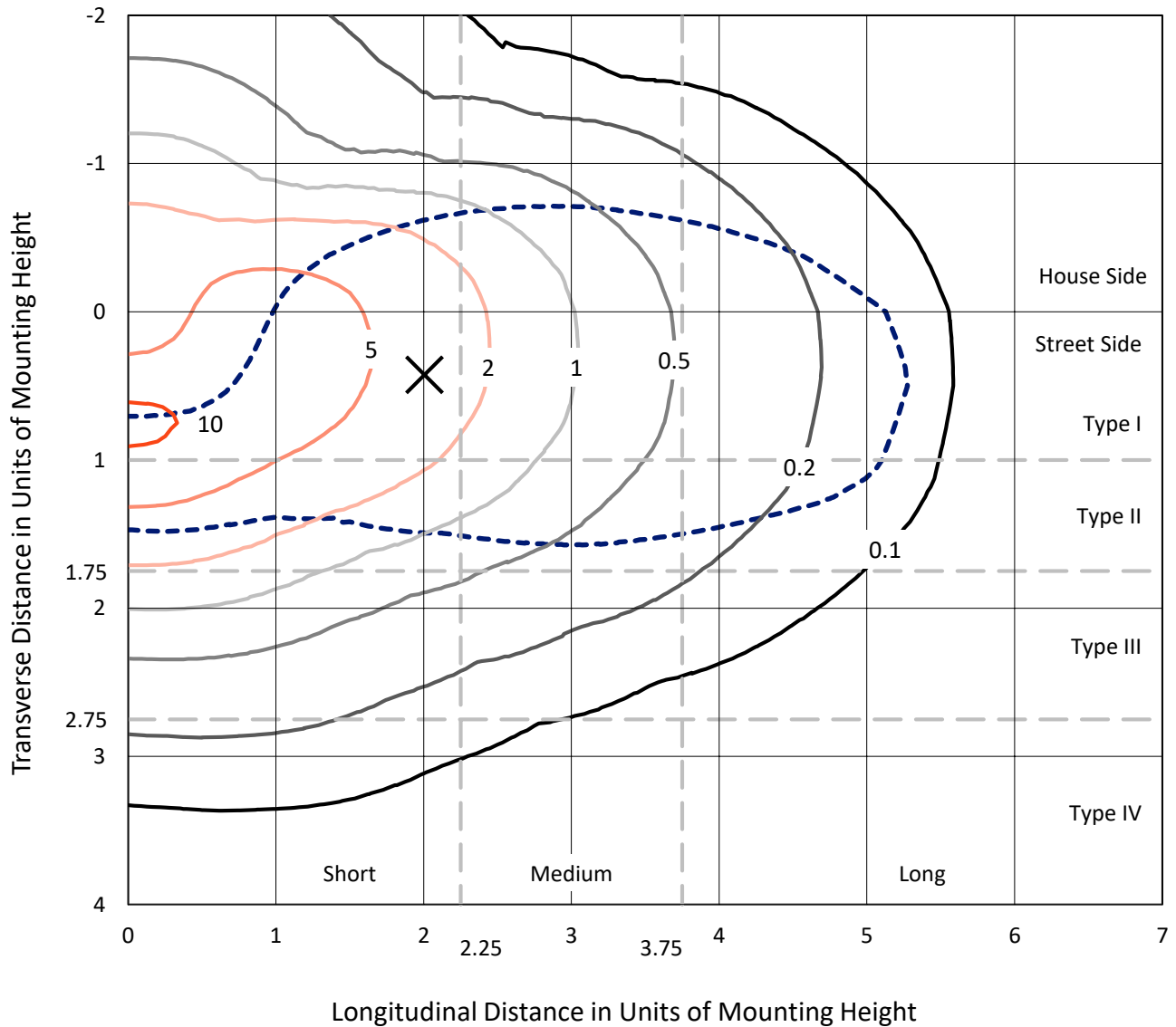
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

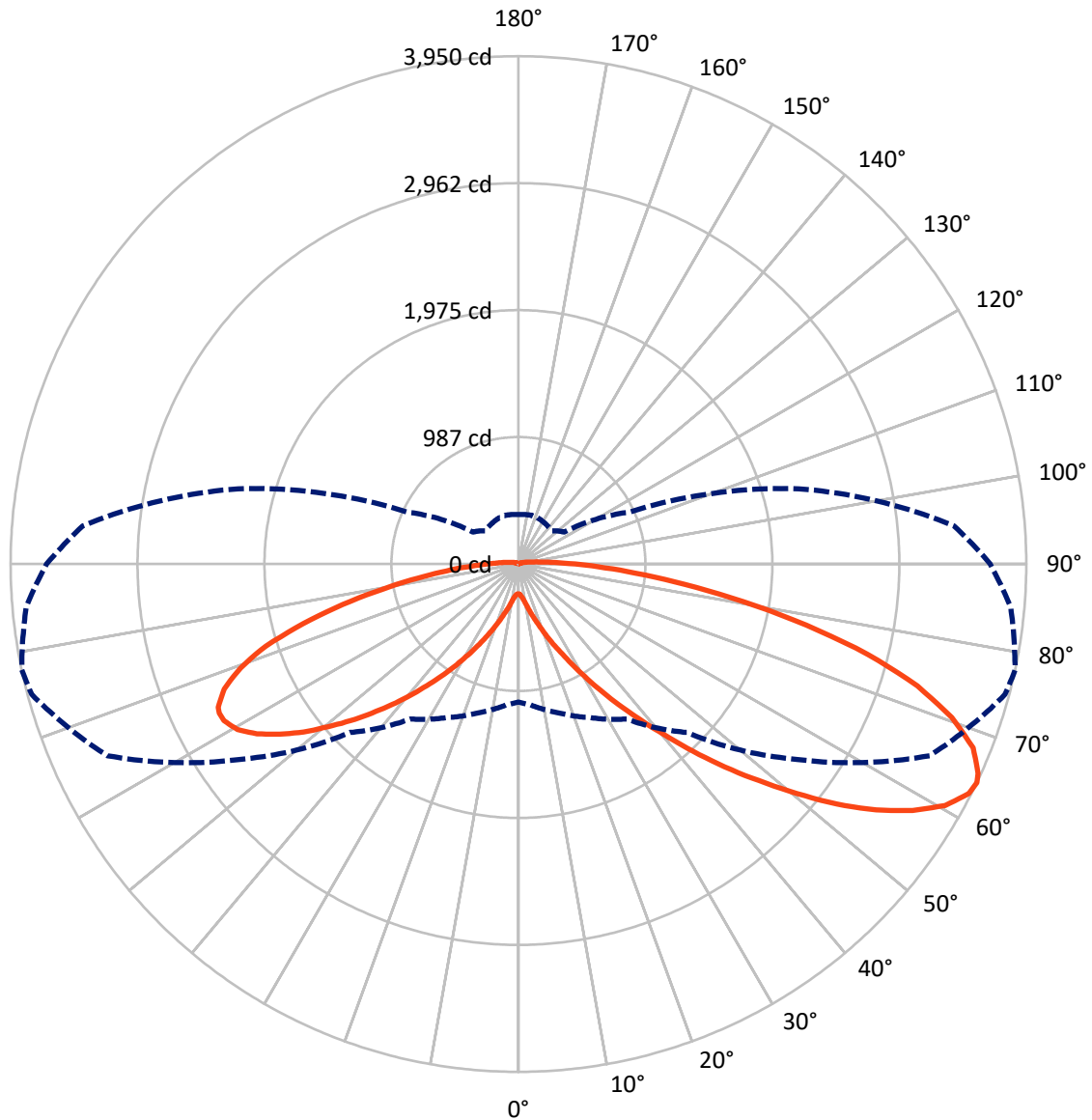
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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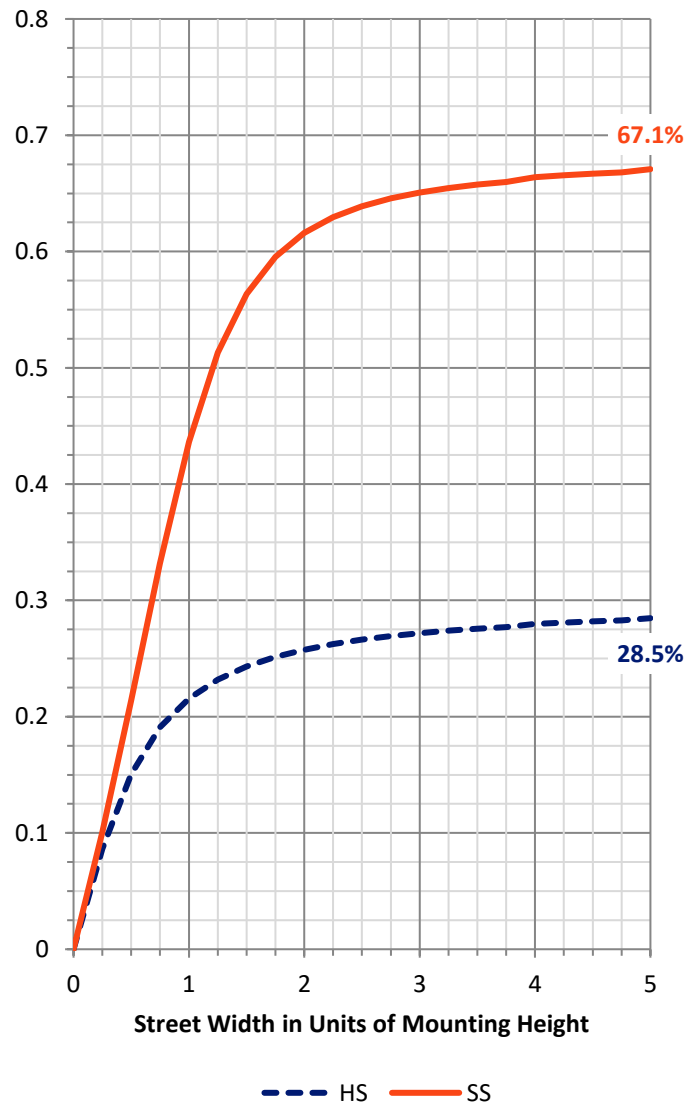
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2116.6	97.5	2214.1
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	4902.2	92.4	4994.6
	% Fixture	68.0	1.3	69.3
Total	Lumens	7018.9	189.9	7208.7
	% Fixture	97.4	2.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	0.4
10°-20°	116.8	1.6
20°-30°	325.8	4.5
30°-40°	707.8	9.8
40°-50°	1222.4	17.0
50°-60°	1618.5	22.5
60°-70°	1578.9	21.9
70°-80°	1026.2	14.2
80°-90°	397.1	5.5
90°-100°	114.6	1.6
100°-110°	43.6	0.6
110°-120°	18.9	0.3
120°-130°	8.3	0.1
130°-140°	3.4	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7018.9	97.4
0°-180°	7208.7	100.0



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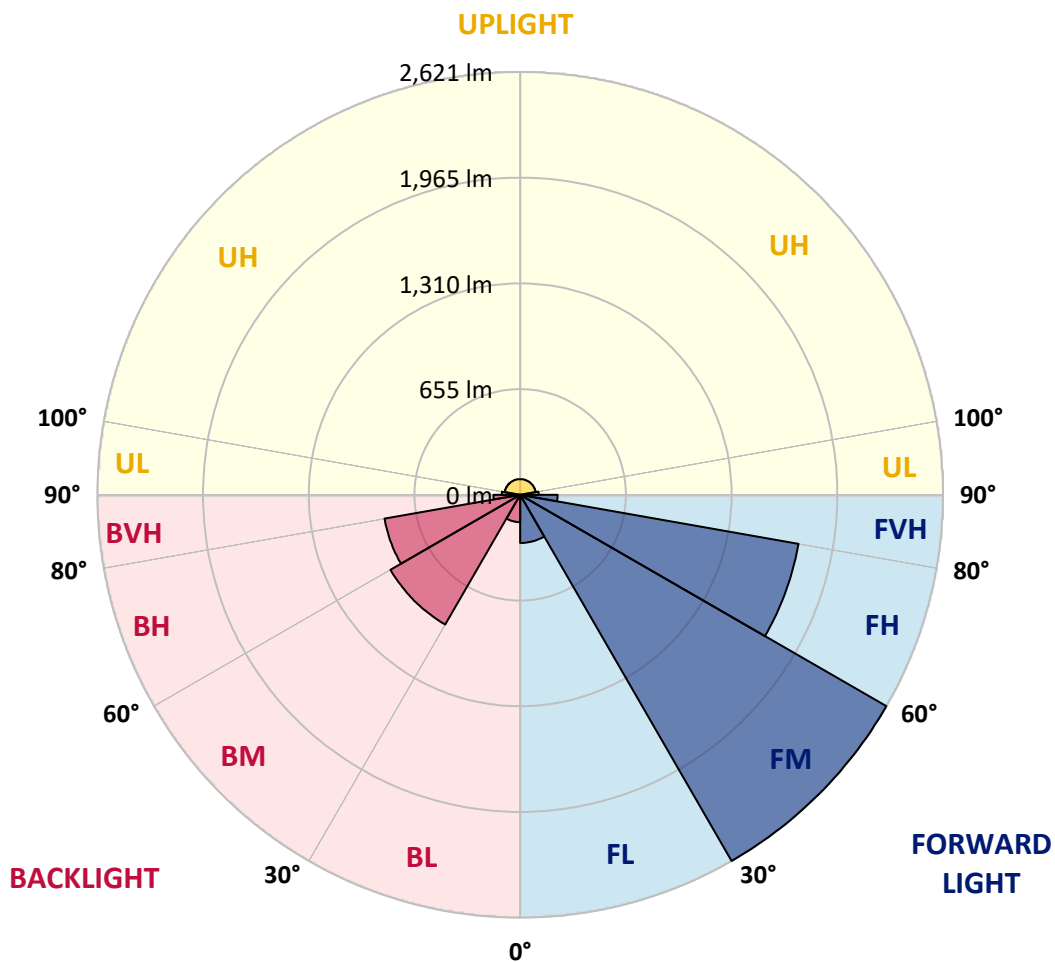
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.4	4.1			
FM (30°-60°)	2620.6	36.4			
FH (60°-80°)	1751.7	24.3			G1/1800
FVH (80°-90°)	231.6	3.2			G3/500
BL (0°-30°)	169.5	2.4	B1/500		
BM (30°-60°)	928.1	12.9	B1/1000		
BH (60°-80°)	853.5	11.8	B2/1000		G2/1000
BVH (80°-90°)	165.5	2.3			G2/225
UL (90°-100°)	114.6	1.6		U3/500	
UH (100°-180°)	97.5	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3
2.5°	251.1	250.3	250.3	251.1	248.6	247.8	245.2	241.7	239.2	238.3	235.8
5°	278.7	276.9	275.2	276.0	273.4	269.1	264.9	259.7	255.4	253.8	249.5
7.5°	311.2	312.9	309.4	307.8	304.3	300.0	292.4	286.3	280.3	277.7	273.4
10°	362.6	363.5	357.5	358.3	348.0	342.9	335.2	324.9	318.0	313.7	307.8
12.5°	432.9	432.1	425.2	422.7	409.8	400.4	388.3	376.3	369.5	364.4	354.0
15°	518.6	516.9	512.6	502.4	482.6	470.7	456.0	438.0	428.6	421.8	410.6
17.5°	619.8	620.6	612.1	598.4	571.8	554.6	533.3	509.2	495.5	486.1	474.0
20°	745.8	746.7	731.3	711.6	677.3	653.3	617.2	594.9	573.6	568.4	549.5
22.5°	895.9	895.0	871.9	846.1	799.8	763.8	724.4	688.3	663.5	656.6	636.1
25°	1066.4	1064.7	1036.5	1009.0	939.6	892.4	841.0	796.4	771.5	757.8	734.7
27.5°	1267.0	1263.7	1225.9	1186.5	1098.1	1028.8	966.2	924.1	893.2	875.2	849.6
30°	1483.1	1479.7	1434.2	1369.9	1274.8	1195.0	1112.8	1063.9	1028.8	1015.0	979.9
32.5°	1716.3	1709.5	1656.3	1578.2	1466.0	1364.8	1281.7	1225.9	1183.0	1169.3	1123.9
35°	1952.9	1943.4	1886.8	1796.0	1666.6	1555.9	1471.1	1412.8	1359.6	1341.6	1286.8
37.5°	2180.0	2167.2	2122.6	2007.7	1876.6	1773.7	1678.6	1605.7	1547.4	1531.1	1459.0
40°	2360.0	2352.4	2311.3	2200.7	2075.5	1971.7	1898.9	1840.6	1766.8	1742.0	1664.9
42.5°	2497.2	2489.6	2457.8	2366.1	2254.7	2183.5	2122.6	2080.6	2017.2	1990.6	1881.7
45°	2568.4	2557.3	2543.6	2477.5	2401.3	2366.1	2358.4	2343.0	2281.2	2250.4	2123.4
47.5°	2552.2	2546.9	2559.8	2519.5	2489.6	2520.3	2586.4	2617.2	2546.1	2517.8	2384.1
50°	2449.3	2456.1	2488.6	2485.3	2514.4	2619.0	2785.3	2887.3	2842.8	2805.0	2659.3
52.5°	2276.9	2286.4	2344.6	2376.4	2460.4	2658.4	2939.6	3141.9	3146.2	3102.5	2937.9
55°	2050.6	2071.2	2142.4	2204.0	2339.5	2613.0	3030.5	3356.2	3420.5	3375.9	3201.1
57.5°	1782.3	1812.3	1890.3	1992.3	2150.0	2488.6	3048.5	3516.6	3652.9	3616.0	3448.8
60°	1502.8	1524.2	1621.1	1735.9	1893.7	2298.4	2973.9	3600.6	3835.5	3812.3	3676.0
62.5°	1228.5	1252.5	1351.9	1478.0	1632.2	2028.3	2796.4	3594.5	3920.4	3931.5	3810.6
64°	1073.3	1099.9	1197.6	1316.7	1471.1	1852.6	2649.0	3527.6	3918.6	3949.5	3843.1
65°	976.4	1003.0	1099.1	1217.3	1368.2	1730.8	2538.4	3463.4	3902.4	3928.0	3844.0
67.5°	763.0	784.4	875.2	997.0	1117.9	1426.5	2187.8	3209.6	3770.3	3813.2	3764.3
70°	586.4	606.9	690.1	802.4	903.6	1159.9	1807.1	2838.5	3515.7	3575.7	3552.5
72.5°	450.9	468.1	541.8	639.5	721.8	917.3	1443.7	2399.5	3147.1	3244.8	3249.1
75°	348.0	361.8	422.7	507.5	572.6	713.3	1124.7	1927.1	2677.3	2806.8	2836.7
77.5°	271.8	280.3	329.2	398.6	451.7	545.2	846.1	1483.1	2160.4	2289.0	2342.0
80°	213.5	220.3	258.1	312.9	354.9	409.8	619.8	1097.3	1656.3	1772.9	1823.4
82.5°	165.4	171.4	201.4	246.0	278.7	314.7	443.2	781.8	1205.3	1301.3	1342.5
85°	126.0	130.3	156.0	189.5	216.0	241.7	309.4	534.1	839.2	912.2	940.4
87.5°	93.4	96.9	118.3	145.8	165.4	185.2	225.5	353.2	564.1	616.4	637.0
90°	67.7	70.3	87.5	110.6	127.8	142.3	163.8	234.1	362.6	397.8	413.2
92.5°	48.0	50.5	64.3	83.2	99.4	111.4	126.0	162.9	232.3	251.1	263.2
95°	35.2	36.8	47.2	62.6	77.1	88.3	100.4	118.3	153.4	163.8	168.1
97.5°	26.6	27.4	36.0	48.0	60.9	70.3	78.9	90.0	108.0	113.1	115.7
100°	20.6	21.5	28.3	38.6	48.9	57.4	63.4	70.3	79.7	83.2	84.9
102.5°	17.2	18.0	23.1	31.7	40.3	47.2	52.3	56.6	60.9	62.6	65.2
105°	15.4	15.4	20.6	27.4	34.3	40.3	44.6	46.3	47.2	48.0	48.9
107.5°	12.9	13.7	18.0	24.0	30.0	35.2	37.7	37.7	36.0	36.0	36.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	12.0	12.0	15.4	20.6	26.6	30.0	31.7	30.0	26.6	26.6	27.4
112.5°	10.3	11.2	13.7	18.0	23.1	26.6	26.6	24.0	19.7	19.7	20.6
115°	9.4	9.4	12.0	16.3	19.7	22.3	22.3	19.7	14.5	14.5	15.4
117.5°	8.6	8.6	10.3	13.7	17.2	19.7	18.8	15.4	11.2	11.2	12.9
120°	8.6	8.6	9.4	12.0	14.5	16.3	15.4	12.0	8.6	8.6	10.3
122.5°	7.7	7.7	8.6	10.3	12.9	13.7	12.9	9.4	6.9	7.7	8.6
125°	7.7	7.7	7.7	9.4	11.2	12.0	11.2	7.7	6.0	6.0	6.9
127.5°	6.9	6.9	6.9	7.7	9.4	10.3	8.6	6.0	5.1	5.1	6.0
130°	6.9	6.9	6.0	6.9	8.6	8.6	6.9	4.3	3.5	4.3	5.1
132.5°	6.0	6.0	6.0	6.0	6.9	6.9	6.0	3.5	3.5	3.5	4.3
135°	6.0	6.0	5.1	5.1	6.0	6.0	4.3	2.6	2.6	2.6	3.5
137.5°	5.1	5.1	5.1	4.3	4.3	4.3	3.5	1.7	1.7	2.6	2.6
140°	4.3	4.3	4.3	3.5	3.5	2.6	1.7	0.8	1.7	1.7	2.6
142.5°	3.5	3.5	3.5	2.6	2.6	1.7	0.8	0.8	0.8	1.7	1.7
145°	2.6	2.6	2.6	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7
147.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3
2.5°	234.9	234.1	231.5	229.8	228.0	226.3	226.3	224.6	223.7	222.9	222.9
5°	248.6	245.2	240.9	237.4	233.1	228.9	225.5	222.9	221.2	220.3	219.4
7.5°	269.1	264.9	257.2	251.1	243.5	237.4	232.3	227.2	225.5	223.7	223.7
10°	303.5	295.7	284.6	273.4	263.2	252.9	246.9	240.1	238.3	236.6	236.6
12.5°	348.9	341.2	323.2	307.8	291.4	277.7	268.3	262.3	260.6	258.1	258.9
15°	402.9	389.2	369.5	347.2	326.6	307.8	296.7	287.1	282.9	280.3	281.2
17.5°	463.8	448.4	420.0	390.9	364.4	343.8	324.9	311.2	304.3	301.8	301.8
20°	534.1	516.9	480.9	441.5	407.2	378.1	354.0	333.5	324.9	321.5	321.5
22.5°	617.2	595.8	546.1	495.5	452.7	409.8	378.1	353.2	342.9	339.5	339.5
25°	713.3	685.0	621.5	558.9	494.7	437.2	396.9	370.3	358.3	354.0	354.0
27.5°	813.6	787.0	704.7	624.9	536.6	459.5	411.5	382.4	368.7	366.0	365.2
30°	940.4	902.8	796.4	687.5	572.6	475.0	417.5	389.2	375.5	372.9	372.9
32.5°	1073.3	1028.8	900.1	752.7	600.1	481.8	418.4	391.8	379.8	377.2	376.3
35°	1229.4	1171.9	1008.1	819.6	624.9	484.4	417.5	393.5	384.0	380.6	379.8
37.5°	1399.1	1326.3	1122.2	881.3	637.8	480.1	414.9	392.6	385.8	381.5	380.6
40°	1582.5	1498.5	1252.5	931.0	639.5	471.5	409.8	393.5	386.7	381.5	379.8
42.5°	1787.4	1686.2	1378.5	976.4	634.4	461.2	406.3	393.5	387.5	381.5	379.8
45°	2015.4	1892.0	1510.5	1011.6	620.6	449.2	402.9	393.5	388.3	380.6	379.8
47.5°	2258.9	2112.3	1645.9	1039.0	603.5	437.2	401.2	395.2	390.9	381.5	380.6
50°	2513.5	2344.6	1777.2	1057.0	583.0	426.1	399.5	395.2	392.6	382.4	381.5
52.5°	2787.8	2590.7	1919.5	1066.4	558.9	414.9	397.8	396.9	394.3	384.9	383.2
55°	3043.4	2827.3	2046.3	1066.4	534.1	404.7	396.1	397.8	396.9	387.5	385.8
57.5°	3281.6	3045.0	2157.8	1053.6	507.5	394.3	392.6	396.9	397.8	389.2	387.5
60°	3487.4	3235.4	2236.7	1033.0	480.1	384.0	388.3	395.2	397.8	390.1	388.3
62.5°	3626.3	3367.3	2263.2	989.3	450.9	372.9	380.6	390.1	395.2	388.3	386.7
64°	3669.1	3400.8	2257.2	956.8	432.9	366.0	375.5	386.7	391.8	386.7	384.9
65°	3681.2	3405.9	2235.8	929.2	421.8	360.9	371.2	383.2	389.2	384.0	382.4
67.5°	3609.2	3316.8	2130.3	847.8	395.2	347.2	359.2	371.2	378.9	376.3	374.6
70°	3425.7	3128.2	1956.3	758.7	367.8	330.9	342.9	355.8	365.2	363.5	362.6
72.5°	3123.1	2830.7	1736.9	654.1	340.3	312.9	321.5	336.0	345.5	344.6	342.9
75°	2722.7	2438.9	1435.1	558.9	310.4	289.8	298.3	311.2	320.6	319.0	319.0
77.5°	2254.7	1982.9	1152.1	462.1	282.9	264.9	272.6	282.9	291.4	288.9	288.1
80°	1756.5	1525.9	880.5	376.3	253.8	238.3	243.5	251.1	258.9	255.4	254.6
82.5°	1291.1	1116.1	649.0	301.8	224.6	208.3	212.6	219.4	223.7	220.3	219.4
85°	905.3	780.1	469.7	240.1	192.9	179.2	180.0	183.4	186.9	181.8	180.9
87.5°	610.4	522.9	325.8	190.3	162.9	150.9	150.1	151.7	154.3	149.1	146.6
90°	400.4	341.2	222.9	154.3	136.3	126.0	124.3	124.3	125.2	119.2	117.4
92.5°	253.8	221.2	162.0	126.0	114.1	104.5	102.0	101.2	100.4	94.3	93.4
95°	165.4	151.7	124.3	104.5	94.3	86.5	84.0	82.3	80.6	76.3	74.6
97.5°	116.6	109.8	98.6	86.5	78.9	72.0	69.5	66.9	65.2	60.0	59.1
100°	87.5	84.9	79.7	72.0	66.0	60.0	57.4	54.8	53.2	48.0	47.2
102.5°	67.7	67.7	65.2	60.0	54.8	49.7	48.0	45.4	42.9	39.4	38.6
105°	52.3	52.3	53.2	50.5	46.3	42.9	40.3	38.6	36.0	31.7	31.7
107.5°	39.4	41.1	42.9	42.0	39.4	36.0	34.3	32.5	29.2	26.6	26.6



REPORT NUMBER: P255287

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.0	30.9	34.3	35.2	33.5	30.9	29.2	26.6	24.0	21.5	21.5
112.5°	22.3	24.0	27.4	29.2	28.3	26.6	24.9	22.3	18.8	18.0	18.0
115°	17.2	18.8	22.3	24.0	24.0	22.3	20.6	18.0	15.4	14.5	15.4
117.5°	13.7	15.4	18.0	19.7	19.7	18.0	17.2	14.5	12.9	12.9	12.9
120°	11.2	12.9	14.5	16.3	16.3	15.4	13.7	12.0	10.3	11.2	11.2
122.5°	9.4	10.3	12.0	12.9	13.7	12.9	11.2	9.4	8.6	9.4	9.4
125°	7.7	8.6	10.3	10.3	11.2	10.3	9.4	7.7	6.9	7.7	7.7
127.5°	6.9	7.7	8.6	8.6	9.4	8.6	7.7	6.0	6.0	6.9	6.9
130°	5.1	6.0	6.9	6.9	7.7	6.9	6.0	5.1	5.1	6.0	6.0
132.5°	4.3	5.1	5.1	6.0	6.0	6.0	5.1	3.5	4.3	4.3	4.3
135°	4.3	4.3	5.1	4.3	4.3	4.3	3.5	2.6	3.5	3.5	3.5
137.5°	3.5	3.5	4.3	4.3	3.5	3.5	2.6	1.7	2.6	3.5	3.5
140°	2.6	3.5	3.5	3.5	3.5	2.6	1.7	0.8	1.7	1.7	1.7
142.5°	2.6	2.6	3.5	3.5	2.6	1.7	0.8	0.0	0.8	0.8	0.8
145°	1.7	2.6	2.6	2.6	1.7	1.7	0.8	0.0	0.0	0.8	0.0
147.5°	1.7	1.7	2.6	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0
150°	0.8	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.8	0.8	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)