

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: P255116

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6789.4 lumens
Efficiency: N/A
Efficacy: 91.7 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 - G3

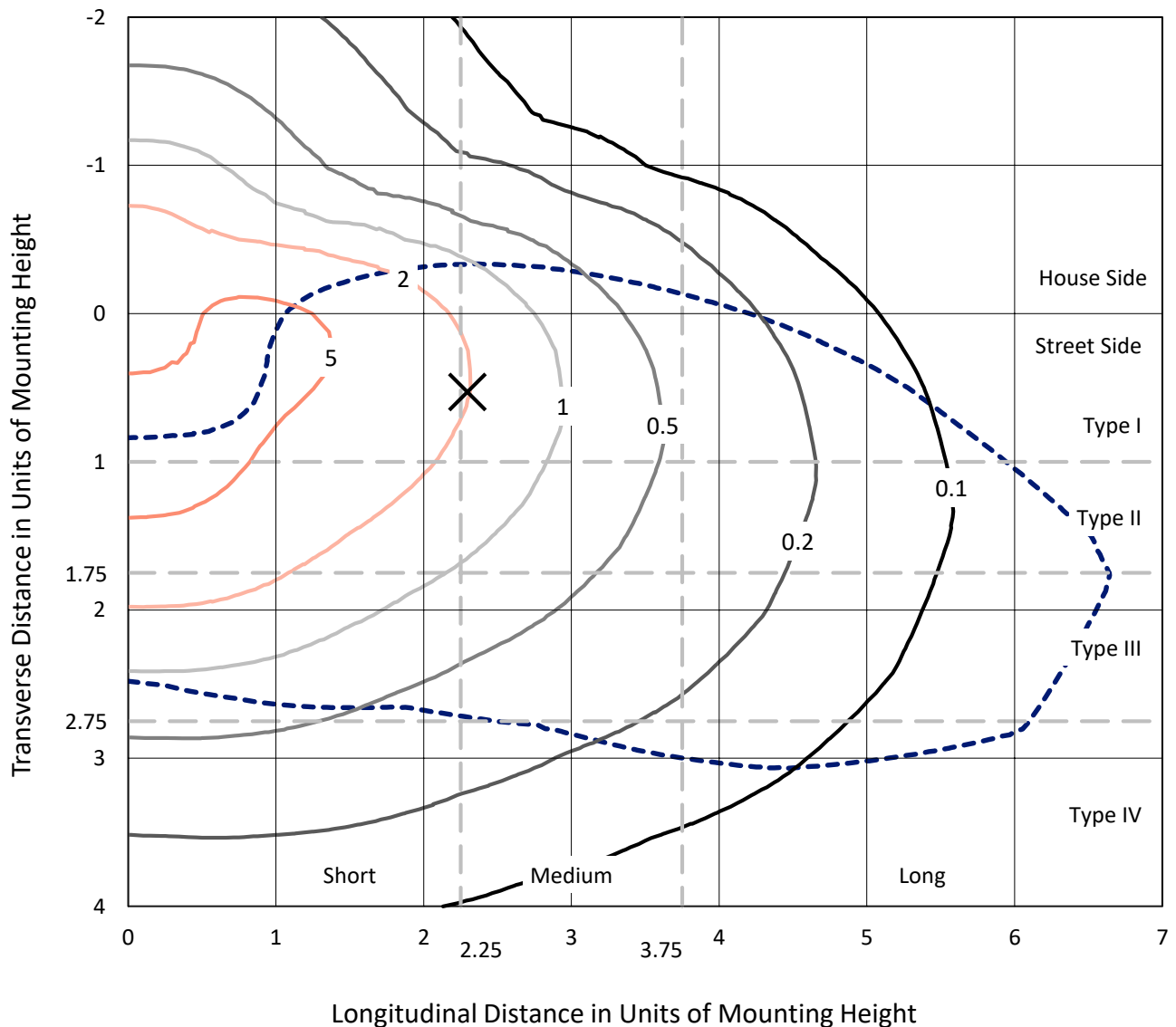
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

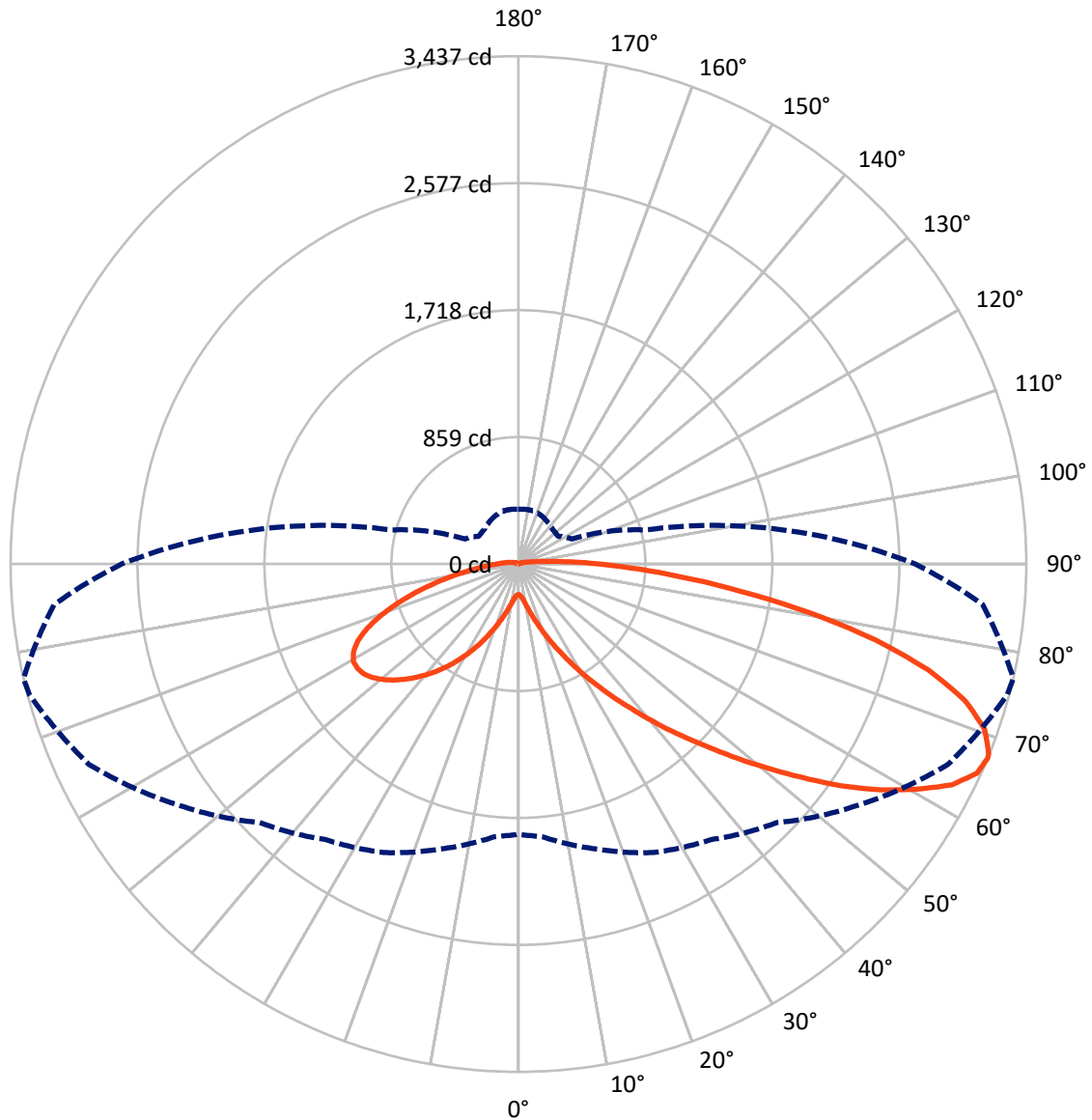
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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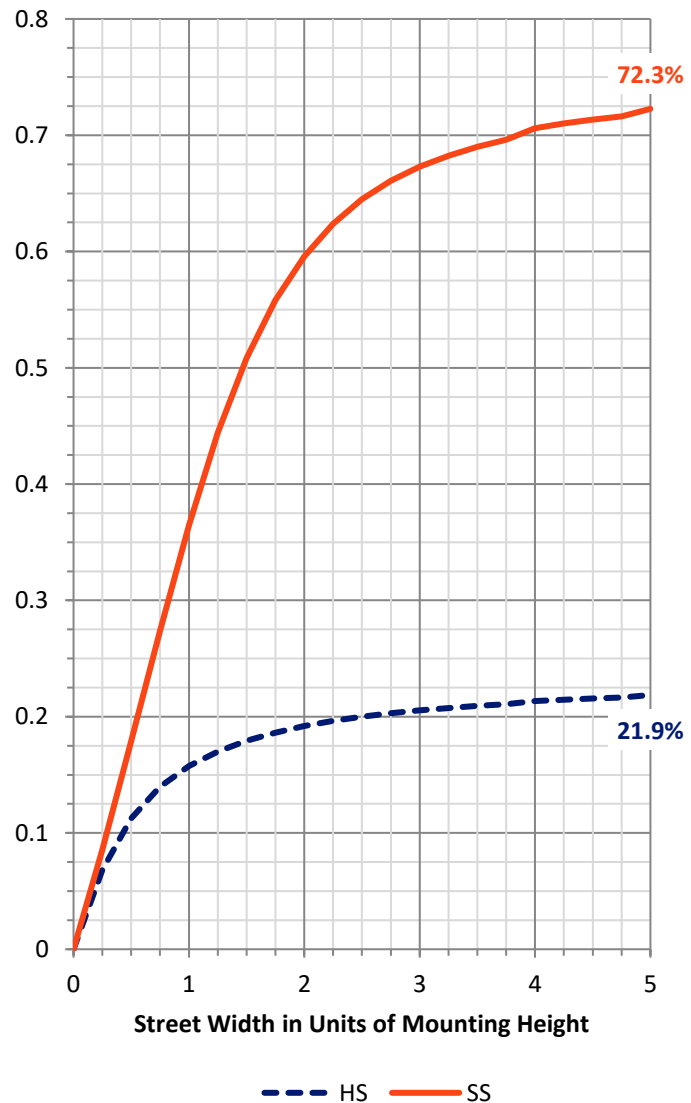
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.4	93.6	1644.0
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	5033.8	111.6	5145.5
	% Fixture	74.1	1.6	75.8
Total	Lumens	6584.2	205.3	6789.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.3
10°-20°	100.4	1.5
20°-30°	264.1	3.9
30°-40°	539.8	8.0
40°-50°	935.7	13.8
50°-60°	1387.8	20.4
60°-70°	1610.5	23.7
70°-80°	1216.5	17.9
80°-90°	507.0	7.5
90°-100°	134.4	2.0
100°-110°	43.7	0.6
110°-120°	17.3	0.3
120°-130°	6.5	0.1
130°-140°	2.5	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6584.2	97.0
0°-180°	6789.4	100.0



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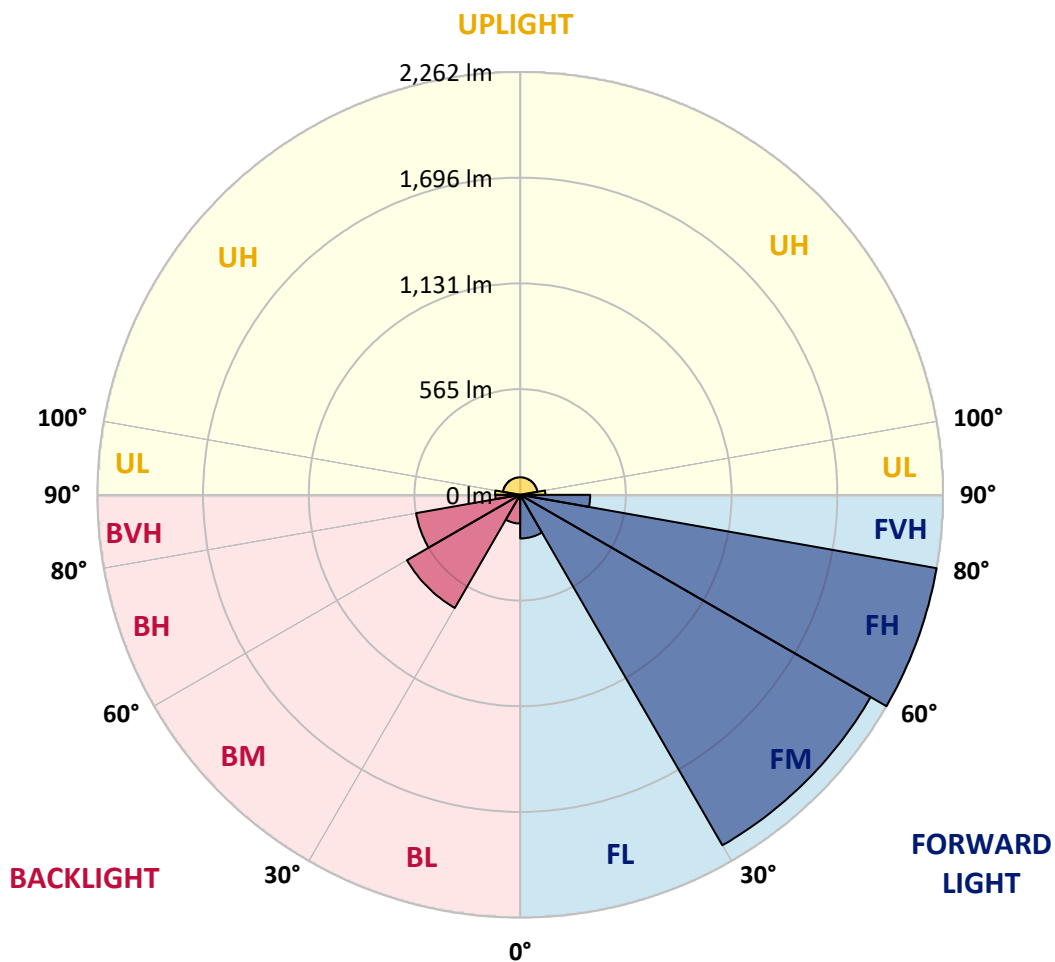
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.4	3.4			
FM (30°-60°)	2164.3	31.9			
FH (60°-80°)	2261.7	33.3			G2/5000
FVH (80°-90°)	374.4	5.5			G3/500
BL (0°-30°)	153.5	2.3	B1/500		
BM (30°-60°)	699.0	10.3	B1/1000		
BH (60°-80°)	565.3	8.3	B2/1000		G2/1000
BVH (80°-90°)	132.6	2.0			G2/225
UL (90°-100°)	134.4	2.0		U3/500	
UH (100°-180°)	93.6	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	218.0	218.0	219.6	218.8	218.8	217.2	216.5	213.9	212.4	212.4	211.5
5°	234.3	234.3	235.0	235.9	234.3	233.4	231.0	227.8	225.3	225.3	223.7
7.5°	258.5	258.5	257.8	258.5	257.8	256.1	252.8	251.3	246.4	247.3	244.7
10°	293.4	293.4	291.8	293.4	289.3	287.7	285.2	282.9	277.2	278.8	274.8
12.5°	342.8	342.8	341.2	338.8	333.1	329.9	328.3	326.6	321.8	322.6	317.7
15°	402.0	401.2	399.6	396.3	387.5	383.4	379.3	376.8	372.8	374.4	369.7
17.5°	471.7	470.2	464.5	459.6	450.7	444.1	438.4	436.1	431.1	432.0	425.6
20°	552.0	550.3	543.0	535.7	522.8	513.8	508.2	502.5	497.6	502.5	490.3
22.5°	646.9	648.5	633.0	621.6	602.2	590.9	583.6	578.7	573.8	577.9	564.1
25°	755.4	754.6	737.6	723.0	695.4	676.0	665.4	662.2	659.7	662.9	653.3
27.5°	880.2	877.0	858.3	827.5	796.7	766.8	752.9	755.4	754.6	757.0	747.4
30°	1018.9	1017.2	991.2	947.5	907.0	866.4	853.5	852.7	860.0	864.8	845.3
32.5°	1172.1	1173.7	1138.8	1082.0	1022.0	977.5	965.3	967.0	976.7	975.8	961.3
35°	1341.3	1341.3	1304.9	1233.5	1154.1	1096.6	1082.9	1098.3	1103.9	1105.4	1083.7
37.5°	1522.1	1519.7	1485.7	1393.3	1302.5	1227.1	1202.8	1222.3	1244.1	1241.7	1219.0
40°	1715.8	1709.4	1664.8	1561.9	1451.6	1360.9	1333.3	1363.2	1394.9	1396.6	1368.9
42.5°	1900.7	1895.0	1848.7	1738.6	1606.4	1513.2	1482.4	1515.7	1561.0	1565.0	1515.7
45°	2074.1	2073.3	2031.1	1917.6	1773.4	1665.5	1634.7	1678.5	1741.8	1741.8	1689.9
47.5°	2237.8	2228.2	2200.5	2087.1	1951.0	1823.6	1793.6	1854.4	1942.0	1944.4	1883.6
50°	2363.4	2356.9	2343.2	2240.3	2101.6	1986.6	1959.0	2049.8	2151.9	2160.8	2086.2
52.5°	2450.1	2443.7	2454.2	2373.9	2249.1	2147.1	2137.3	2249.9	2382.8	2397.4	2308.3
55°	2484.2	2486.6	2520.7	2467.9	2369.1	2288.0	2322.9	2462.2	2619.6	2647.9	2531.2
57.5°	2467.2	2474.5	2534.5	2523.2	2454.2	2401.5	2493.1	2668.2	2857.0	2883.8	2750.0
60°	2378.0	2393.5	2481.8	2511.8	2485.8	2502.8	2643.8	2876.5	3082.3	3094.5	2960.0
62.5°	2232.9	2249.9	2365.9	2443.7	2460.7	2539.3	2754.1	3051.5	3269.6	3290.7	3094.5
65°	2027.1	2051.4	2180.3	2315.6	2383.7	2527.9	2826.2	3165.0	3388.6	3410.6	3162.6
67°	1827.7	1852.1	1994.6	2154.3	2275.9	2474.5	2831.9	3207.2	3423.5	3436.5	3153.7
67.5°	1773.4	1798.5	1941.2	2108.1	2241.9	2453.4	2827.1	3211.2	3423.5	3431.8	3141.5
70°	1476.7	1510.0	1655.1	1847.1	2023.8	2307.5	2755.7	3160.1	3362.8	3347.3	2993.1
72.5°	1168.0	1198.7	1340.6	1544.1	1746.6	2087.1	2595.2	3009.4	3178.1	3159.3	2749.2
75°	872.9	898.8	1035.0	1232.8	1447.5	1797.8	2343.9	2764.6	2883.8	2864.3	2412.0
77.5°	624.9	645.9	763.5	945.1	1143.6	1482.4	2006.0	2417.7	2492.3	2469.6	2002.7
80°	429.6	454.7	538.9	701.1	871.4	1159.8	1617.8	1969.5	2021.4	1998.0	1565.0
82.5°	283.6	297.4	372.0	503.3	645.1	879.4	1236.9	1527.8	1572.4	1515.7	1160.7
85°	184.7	188.0	244.7	346.2	465.2	638.7	907.0	1122.5	1142.9	1100.7	825.9
87.5°	113.5	118.3	158.1	226.9	321.0	449.8	641.2	784.6	787.8	753.8	557.7
90°	72.9	76.2	101.3	147.5	218.0	306.4	432.0	521.1	518.8	492.0	355.8
92.5°	50.3	51.9	70.5	101.3	141.8	201.8	277.2	329.1	324.2	308.7	224.5
95°	36.5	38.1	51.9	73.8	98.9	133.0	172.6	199.4	193.7	184.0	141.1
97.5°	26.8	28.4	39.7	55.9	73.8	91.6	111.0	119.1	117.6	112.6	94.1
100°	20.2	21.9	30.8	43.8	57.6	68.1	77.8	78.6	76.2	74.6	68.1
102.5°	17.1	17.8	25.1	36.5	47.0	54.3	58.4	57.6	54.3	53.5	50.3
105°	14.6	15.4	21.9	30.8	38.9	45.4	47.0	44.6	40.5	39.7	38.1
107.5°	13.0	13.0	18.7	26.8	34.1	38.1	38.9	34.9	29.9	29.2	28.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	11.4	11.4	16.2	22.7	29.2	32.4	32.4	27.6	21.1	20.2	21.1
112.5°	9.8	10.5	13.7	19.4	25.1	27.6	26.8	21.9	15.4	14.6	15.4
115°	9.0	9.0	12.1	17.1	21.1	23.5	21.9	16.2	11.4	10.5	11.4
117.5°	8.0	8.0	10.5	14.6	17.8	19.4	17.8	13.0	8.0	8.0	9.0
120°	7.3	7.3	9.0	12.1	15.4	16.2	13.7	9.8	6.4	6.4	7.3
122.5°	6.4	6.4	8.0	10.5	13.0	13.0	11.4	7.3	4.9	4.9	5.7
125°	5.7	6.4	7.3	9.0	10.5	10.5	9.0	5.7	4.1	4.9	5.7
127.5°	5.7	5.7	6.4	7.3	9.0	9.0	7.3	4.1	4.1	4.1	4.9
130°	4.9	4.9	5.7	6.4	7.3	7.3	5.7	3.3	4.1	4.1	4.9
132.5°	4.9	4.9	4.9	5.7	5.7	5.7	4.1	3.3	3.3	4.1	4.1
135°	4.1	4.1	4.1	4.9	4.9	4.1	2.4	2.4	3.3	3.3	4.1
137.5°	3.3	3.3	4.1	3.3	3.3	3.3	2.4	2.4	3.3	3.3	3.3
140°	3.3	3.3	3.3	2.4	2.4	1.6	1.6	2.4	2.4	3.3	3.3
142.5°	1.6	2.4	2.4	1.6	1.6	0.8	1.6	1.6	2.4	2.4	2.4
145°	0.8	0.8	1.6	0.8	0.8	0.8	0.8	1.6	1.6	2.4	2.4
147.5°	0.0	0.8	0.8	0.8	0.0	0.0	0.8	0.8	1.6	1.6	1.6
150°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	210.8	209.9	207.5	205.9	205.1	204.2	203.4	202.6	202.6	202.6	202.6
5°	222.2	221.2	217.2	213.9	211.5	209.1	207.5	205.9	205.1	204.2	203.4
7.5°	242.3	240.0	235.0	229.3	223.7	218.8	215.6	213.9	211.5	210.8	209.9
10°	272.4	269.9	261.0	251.3	242.3	235.0	229.3	226.1	224.5	222.9	222.9
12.5°	313.7	312.1	296.6	284.5	267.4	256.1	249.6	247.3	246.4	244.7	245.7
15°	363.1	359.9	339.6	321.0	298.3	284.5	274.8	270.8	269.1	266.7	267.4
17.5°	419.9	409.2	385.8	357.4	329.9	312.8	299.9	292.6	290.2	288.6	289.3
20°	482.3	471.7	436.1	395.5	362.3	340.5	322.6	313.7	310.4	310.4	310.4
22.5°	554.4	540.7	491.1	436.8	393.2	362.3	342.0	333.1	329.9	329.9	330.7
25°	637.1	614.4	551.1	480.6	422.3	381.0	359.9	350.1	347.7	347.7	348.5
27.5°	727.0	696.2	612.7	520.3	443.4	393.9	371.3	363.1	361.5	361.5	362.3
30°	825.1	784.6	676.0	556.0	459.6	402.0	377.7	371.3	370.4	371.3	371.3
32.5°	928.8	882.6	738.4	585.9	470.2	406.1	381.8	377.7	376.8	378.5	376.8
35°	1041.5	979.9	800.8	610.3	476.6	406.9	383.4	381.0	381.0	380.1	379.3
37.5°	1163.1	1081.2	858.3	628.1	476.6	405.3	382.5	381.8	381.8	380.1	378.5
40°	1302.5	1191.5	911.8	638.7	471.7	400.4	381.0	381.0	380.1	376.8	375.3
42.5°	1437.9	1305.7	962.9	640.3	463.6	393.9	378.5	380.1	378.5	372.0	370.4
45°	1588.6	1429.7	1008.3	637.8	452.3	387.5	376.1	379.3	376.1	367.9	366.3
47.5°	1763.7	1563.5	1048.1	628.1	437.7	380.1	372.8	376.8	375.3	365.6	364.0
50°	1943.6	1697.3	1079.6	614.4	423.1	373.6	370.4	376.1	374.4	364.0	362.3
52.5°	2131.6	1835.8	1102.3	592.5	407.6	367.1	367.9	375.3	375.3	364.7	363.1
55°	2318.1	1961.4	1112.8	564.9	391.4	361.5	365.6	375.3	377.7	367.1	365.6
57.5°	2489.9	2062.7	1107.2	533.3	376.1	355.0	364.0	374.4	379.3	369.7	367.9
60°	2633.3	2151.9	1082.9	499.4	363.1	349.3	361.5	374.4	380.1	372.8	371.3
62.5°	2720.9	2183.5	1033.4	462.8	350.1	342.8	357.4	372.8	379.3	373.6	372.0
65°	2737.9	2159.2	962.9	428.0	337.9	335.5	350.9	367.9	376.8	373.6	371.3
67°	2684.4	2087.1	889.2	400.4	327.4	328.3	345.3	363.1	373.6	372.8	369.7
67.5°	2660.9	2060.3	870.5	393.2	325.8	325.8	343.6	361.5	372.8	372.0	369.7
70°	2503.6	1899.8	763.5	359.0	312.8	315.3	333.1	353.4	365.6	366.3	364.7
72.5°	2253.3	1675.3	655.7	326.6	298.3	301.5	319.4	339.6	353.4	355.0	352.6
75°	1923.3	1411.1	548.7	297.4	282.1	284.5	302.3	321.8	336.4	338.8	336.4
77.5°	1590.2	1129.0	448.2	269.9	262.6	266.7	282.1	299.9	313.7	315.3	313.7
80°	1216.6	856.7	357.4	243.9	241.6	245.7	258.5	273.9	286.2	287.7	286.2
82.5°	893.2	628.1	282.9	218.0	217.2	221.2	231.8	246.4	256.1	257.0	254.5
85°	637.1	443.4	225.3	189.7	191.3	193.0	202.6	213.9	222.2	222.9	218.0
87.5°	427.1	302.3	175.9	162.9	164.6	164.6	170.2	180.0	185.6	184.7	180.8
90°	278.8	205.9	141.8	138.6	139.5	139.5	141.8	148.4	153.2	150.8	148.4
92.5°	180.0	144.2	116.7	118.3	118.3	116.7	117.6	122.4	124.8	122.4	120.7
95°	122.4	106.2	97.2	99.7	100.5	97.2	97.2	99.7	101.3	98.2	95.6
97.5°	88.4	81.8	80.2	84.2	83.5	81.1	79.4	80.2	81.1	77.0	75.4
100°	66.4	64.8	65.7	70.5	69.7	67.3	65.7	64.8	64.0	60.0	59.2
102.5°	51.9	51.1	54.3	58.4	57.6	55.0	53.5	52.7	51.1	46.2	46.2
105°	39.7	40.5	44.6	48.6	47.8	46.2	44.6	42.9	39.7	35.6	35.6
107.5°	29.9	31.5	36.5	40.5	39.7	38.1	36.5	34.9	30.8	27.6	27.6



REPORT NUMBER: P255116

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.7	24.4	29.2	33.3	32.4	31.5	29.9	27.6	23.5	21.1	20.2
112.5°	17.1	18.7	23.5	26.8	26.8	25.9	24.4	21.9	17.8	16.2	15.4
115°	13.0	14.6	18.7	21.1	21.1	20.2	19.4	17.1	13.0	12.1	12.1
117.5°	10.5	11.4	14.6	17.1	17.1	16.2	15.4	13.0	9.8	9.8	9.8
120°	8.0	9.0	11.4	13.0	13.0	12.1	11.4	9.8	7.3	7.3	7.3
122.5°	7.3	7.3	9.0	10.5	9.8	9.8	9.0	7.3	5.7	5.7	5.7
125°	5.7	6.4	7.3	8.0	7.3	7.3	6.4	5.7	4.9	4.9	4.9
127.5°	5.7	5.7	5.7	5.7	5.7	5.7	4.9	4.1	3.3	4.1	4.1
130°	4.9	4.9	4.9	4.9	4.1	4.1	3.3	2.4	2.4	3.3	3.3
132.5°	4.9	4.9	4.9	4.1	3.3	2.4	2.4	1.6	2.4	2.4	2.4
135°	4.1	4.1	4.1	3.3	2.4	1.6	0.8	0.8	1.6	1.6	1.6
137.5°	4.1	4.1	3.3	3.3	2.4	0.8	0.0	0.8	0.8	0.8	0.8
140°	3.3	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.0
142.5°	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.0	0.0
145°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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)