

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: P255281

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255281
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-AF24-100-D-U-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 8133.3 lumens
Efficiency: N/A
Efficacy: 84.7 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): 96
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

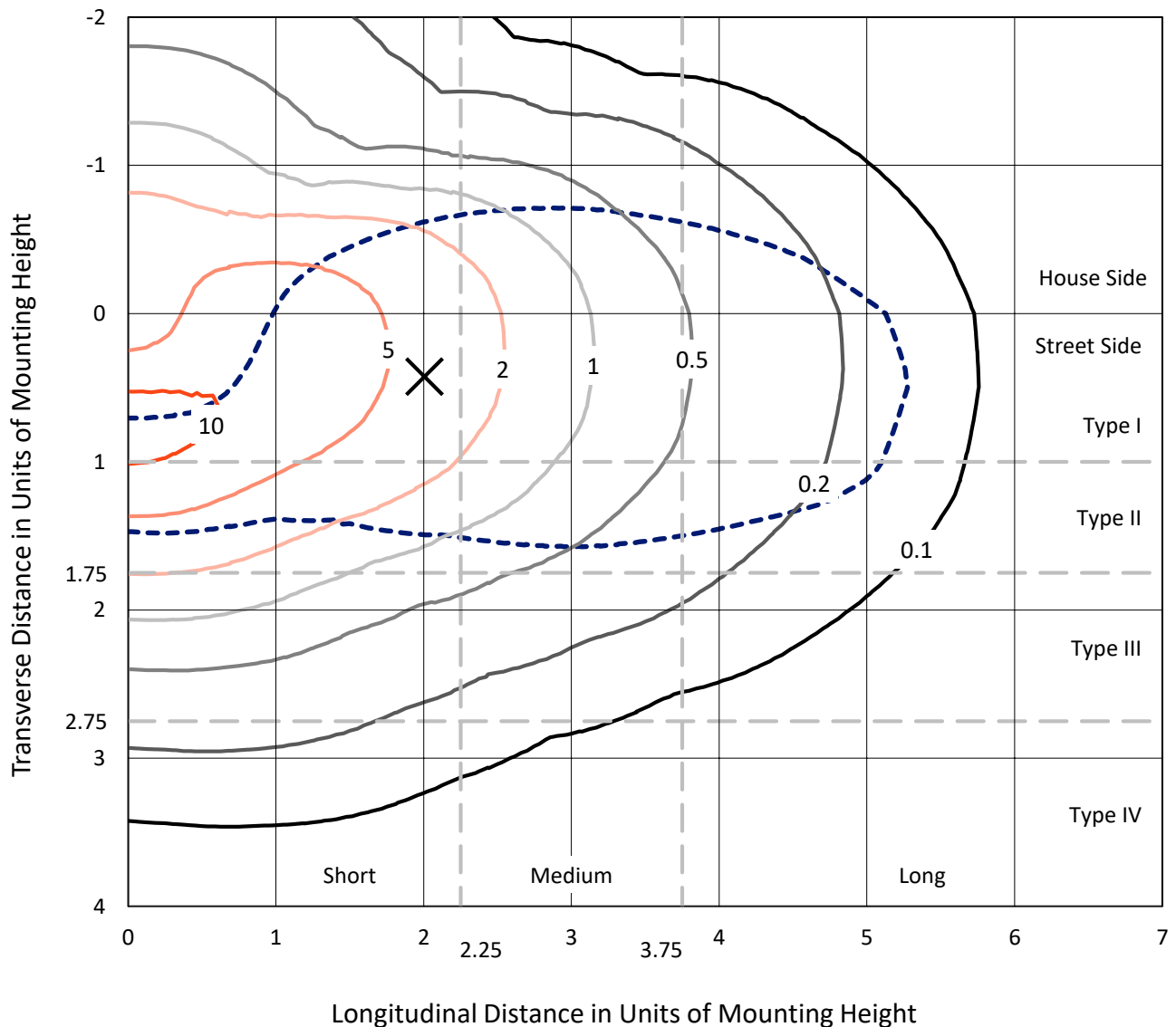


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

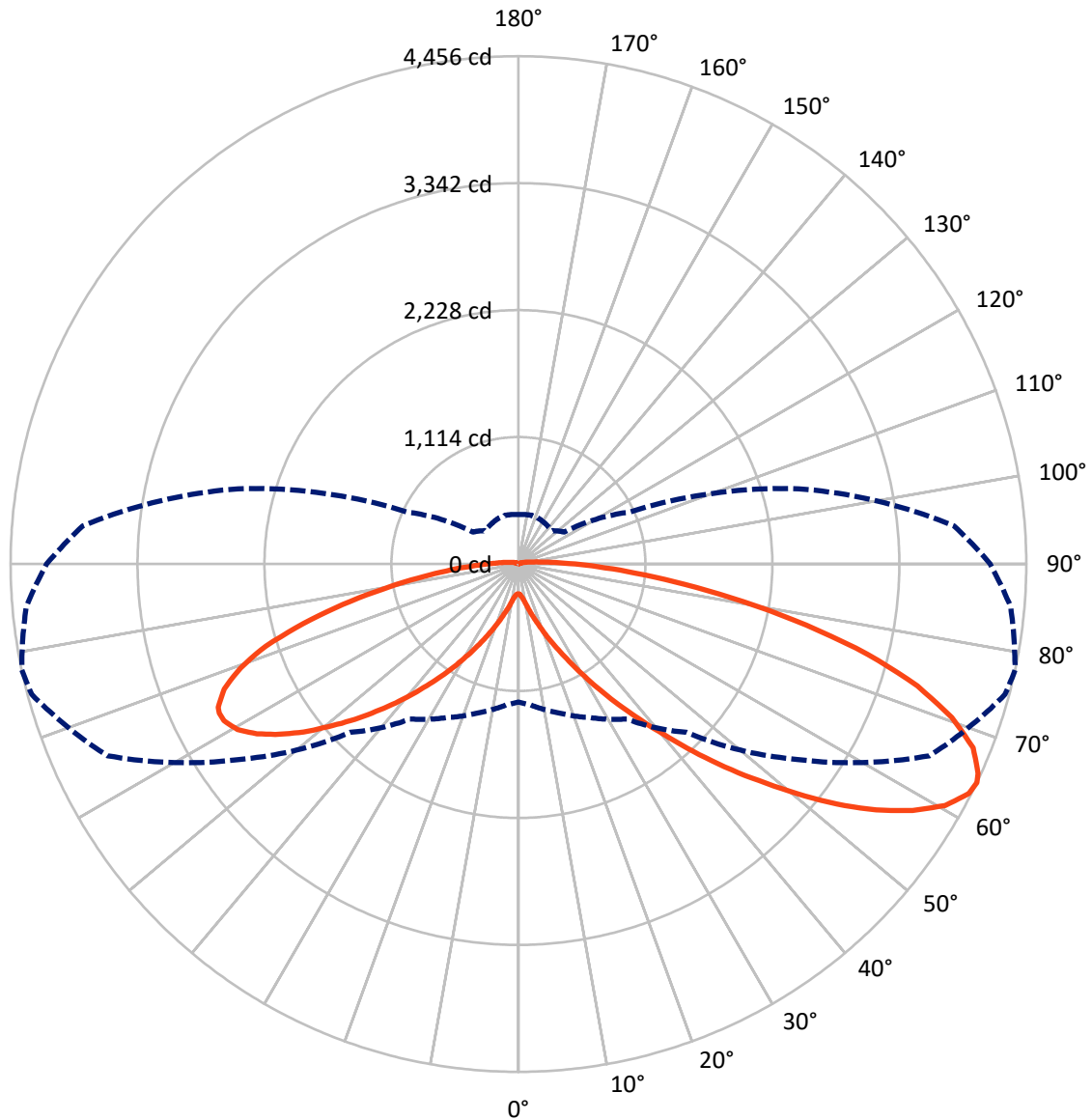


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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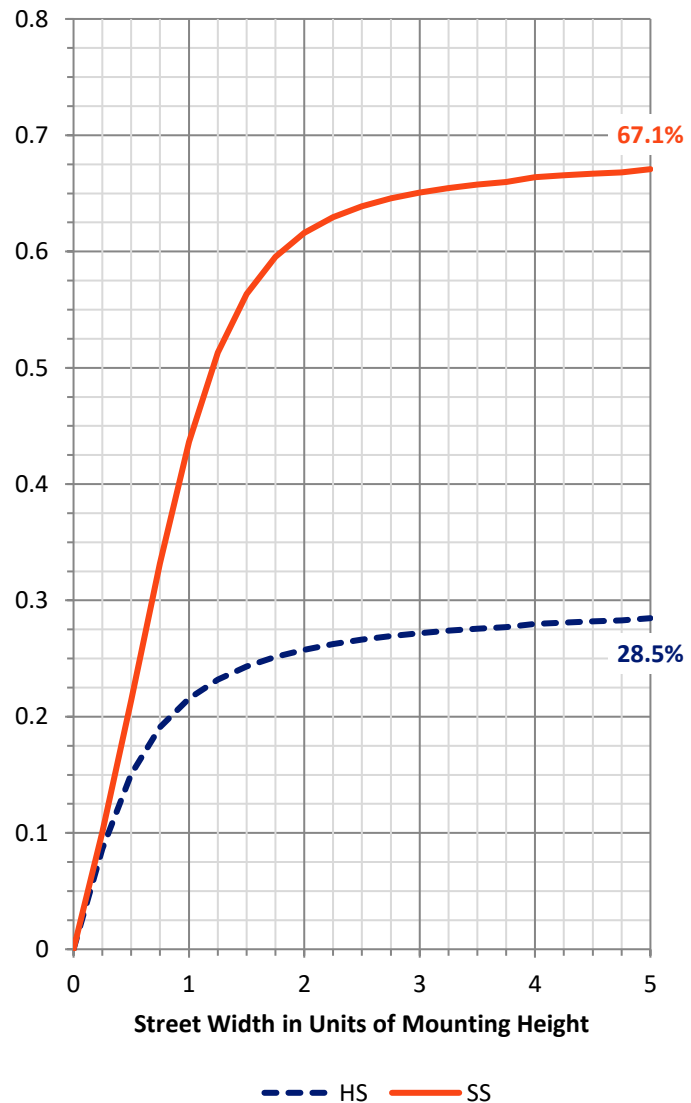
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2388.1	110.0	2498.1
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	5531.0	104.2	5635.2
	% Fixture	68.0	1.3	69.3
Total	Lumens	7919.1	214.2	8133.3
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.4
10°-20°	131.8	1.6
20°-30°	367.6	4.5
30°-40°	798.6	9.8
40°-50°	1379.2	17.0
50°-60°	1826.0	22.5
60°-70°	1781.4	21.9
70°-80°	1157.8	14.2
80°-90°	448.1	5.5
90°-100°	129.3	1.6
100°-110°	49.2	0.6
110°-120°	21.4	0.3
120°-130°	9.4	0.1
130°-140°	3.8	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7919.1	97.4
0°-180°	8133.3	100.0

Coefficient of Utilization



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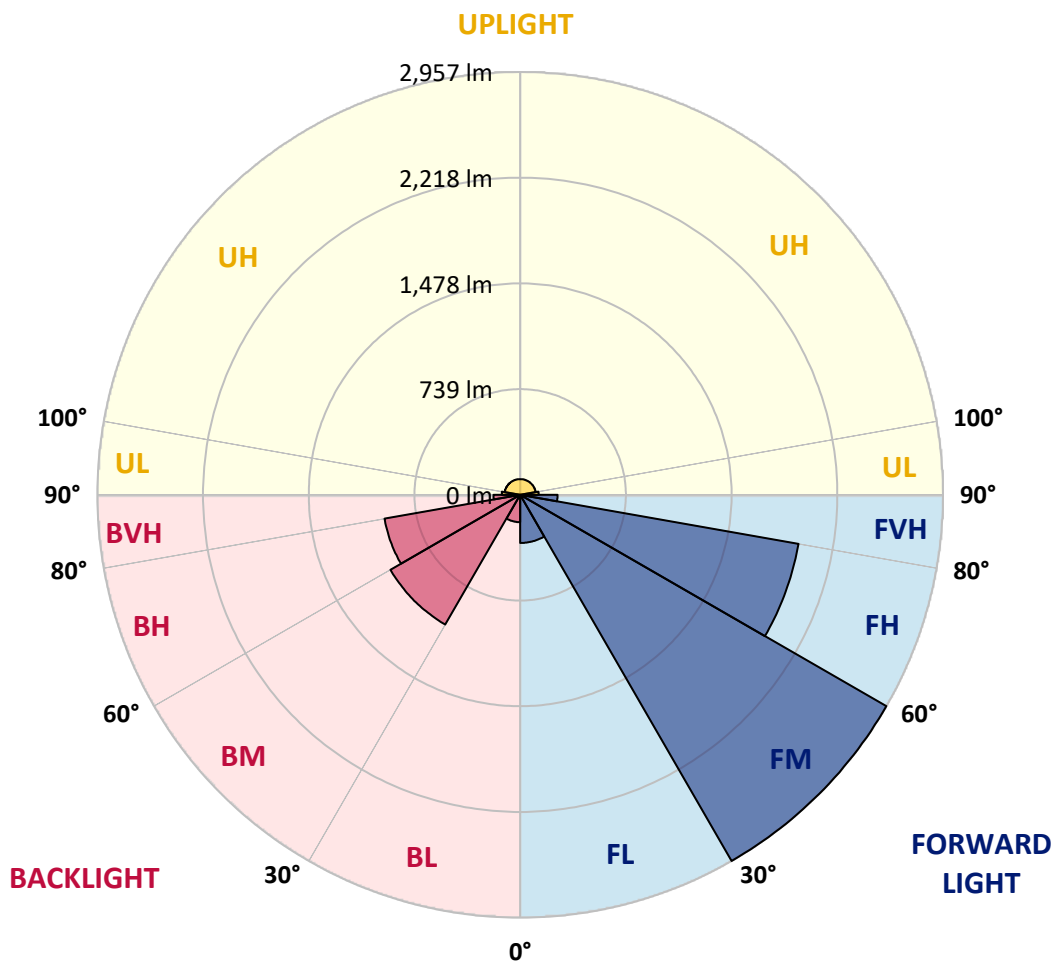
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T2U-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.7	4.1			
FM (30°-60°)	2956.7	36.4			
FH (60°-80°)	1976.3	24.3			G2/5000
FVH (80°-90°)	261.3	3.2			G3/500
BL (0°-30°)	191.3	2.4	B1/500		
BM (30°-60°)	1047.1	12.9	B2/2500		
BH (60°-80°)	962.9	11.8	B2/1000		G2/1000
BVH (80°-90°)	186.8	2.3			G2/225
UL (90°-100°)	129.3	1.6		U3/500	
UH (100°-180°)	110.0	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°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	283.4	282.4	282.4	283.4	280.5	279.4	276.7	272.7	269.9	268.9	265.9
5°	314.3	312.4	310.6	311.5	308.5	303.7	298.9	293.1	288.2	286.3	281.5
7.5°	351.0	353.0	349.2	347.2	343.4	338.4	329.9	323.1	316.3	313.3	308.5
10°	409.1	410.0	403.3	404.3	392.7	386.9	378.1	366.6	358.8	354.0	347.2
12.5°	488.5	487.6	479.7	476.8	462.3	451.7	438.1	424.6	416.9	411.1	399.5
15°	585.2	583.2	578.4	566.8	544.5	531.0	514.6	494.3	483.6	475.9	463.3
17.5°	699.3	700.3	690.6	675.1	645.1	625.8	601.6	574.4	559.1	548.4	534.9
20°	841.6	842.5	825.0	802.8	764.2	737.1	696.4	671.3	647.1	641.3	619.9
22.5°	1010.7	1009.8	983.7	954.6	902.4	861.8	817.3	776.8	748.7	740.9	717.8
25°	1203.3	1201.3	1169.4	1138.4	1060.1	1007.0	948.8	898.5	870.5	855.1	829.0
27.5°	1429.5	1425.8	1383.1	1338.7	1239.0	1160.7	1090.1	1042.7	1007.8	987.4	958.5
30°	1673.3	1669.4	1618.1	1545.6	1438.3	1348.3	1255.5	1200.3	1160.7	1145.1	1105.4
32.5°	1936.4	1928.7	1868.7	1780.7	1653.9	1539.8	1446.0	1383.1	1334.8	1319.3	1268.1
35°	2203.3	2192.8	2128.8	2026.3	1880.3	1755.5	1659.7	1594.0	1534.0	1513.7	1451.8
37.5°	2459.7	2445.1	2394.9	2265.3	2117.2	2001.2	1893.8	1811.6	1745.9	1727.5	1646.2
40°	2662.7	2654.0	2607.6	2482.8	2341.7	2224.6	2142.3	2076.6	1993.4	1965.3	1878.3
42.5°	2817.5	2808.8	2773.0	2669.5	2543.8	2463.5	2394.9	2347.4	2275.9	2246.0	2123.0
45°	2897.8	2885.2	2869.8	2795.3	2709.2	2669.5	2660.8	2643.4	2573.8	2538.9	2395.8
47.5°	2879.4	2873.6	2888.2	2842.7	2808.8	2843.6	2918.1	2953.0	2872.7	2840.7	2689.9
50°	2763.3	2771.2	2807.9	2804.0	2836.9	2954.9	3142.6	3257.6	3207.3	3164.8	3000.4
52.5°	2568.9	2579.6	2645.3	2681.1	2776.0	2999.3	3316.6	3544.9	3549.8	3500.3	3314.7
55°	2313.6	2336.8	2417.2	2486.7	2639.6	2948.2	3419.2	3786.7	3859.2	3808.9	3611.6
57.5°	2010.8	2044.7	2132.7	2247.8	2425.8	2807.9	3439.5	3967.5	4121.4	4079.7	3891.2
60°	1695.6	1719.7	1829.0	1958.6	2136.6	2593.2	3355.3	4062.4	4327.3	4301.2	4147.5
62.5°	1386.1	1413.2	1525.3	1667.6	1841.6	2288.4	3155.1	4055.6	4423.2	4435.7	4299.4
64°	1210.9	1240.9	1351.2	1485.7	1659.7	2090.1	2988.7	3980.1	4421.1	4456.0	4336.1
65°	1101.7	1131.6	1240.0	1373.5	1543.8	1952.8	2863.9	3907.5	4402.8	4431.8	4337.0
67.5°	860.9	885.0	987.4	1125.0	1261.3	1609.5	2468.3	3621.3	4253.9	4302.2	4247.1
70°	661.6	684.8	778.6	905.3	1019.5	1308.6	2038.9	3202.5	3966.5	4034.3	4008.1
72.5°	508.7	528.0	611.3	721.5	814.4	1034.9	1628.8	2707.2	3550.7	3661.0	3665.7
75°	392.7	408.2	476.8	572.6	646.2	804.7	1269.0	2174.4	3020.7	3166.7	3200.5
77.5°	306.6	316.3	371.4	449.7	509.7	615.1	954.6	1673.3	2437.3	2582.5	2642.4
80°	240.8	248.6	291.1	353.0	400.4	462.3	699.3	1238.0	1868.7	2000.2	2057.3
82.5°	186.8	193.5	227.3	277.6	314.3	355.0	500.1	882.2	1360.0	1468.2	1514.7
85°	142.1	147.1	176.0	213.7	243.7	272.7	349.2	602.6	947.0	1029.1	1061.0
87.5°	105.4	109.3	133.6	164.4	186.8	208.9	254.3	398.5	636.4	695.4	718.6
90°	76.4	79.3	98.7	124.8	144.1	160.6	184.7	264.1	409.1	448.8	466.2
92.5°	54.2	57.1	72.5	93.9	112.2	125.7	142.1	183.8	262.1	283.4	296.9
95°	39.7	41.6	53.2	70.6	87.1	99.7	113.2	133.6	173.1	184.7	189.6
97.5°	29.9	30.9	40.7	54.2	68.8	79.3	88.9	101.6	121.9	127.8	130.6
100°	23.2	24.1	31.9	43.4	55.1	64.8	71.6	79.3	89.9	93.9	95.7
102.5°	19.3	20.3	26.1	35.8	45.5	53.2	59.0	63.8	68.8	70.6	73.5
105°	17.4	17.4	23.2	30.9	38.7	45.5	50.3	52.2	53.2	54.2	55.1
107.5°	14.5	15.6	20.3	27.1	33.9	39.7	42.6	42.6	40.7	40.7	41.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	13.5	13.5	17.4	23.2	29.9	33.9	35.8	33.9	29.9	29.9	30.9
112.5°	11.6	12.6	15.6	20.3	26.1	29.9	29.9	27.1	22.3	22.3	23.2
115°	10.6	10.6	13.5	18.3	22.3	25.1	25.1	22.3	16.4	16.4	17.4
117.5°	9.8	9.8	11.6	15.6	19.3	22.3	21.3	17.4	12.6	12.6	14.5
120°	9.8	9.8	10.6	13.5	16.4	18.3	17.4	13.5	9.8	9.8	11.6
122.5°	8.7	8.7	9.8	11.6	14.5	15.6	14.5	10.6	7.7	8.7	9.8
125°	8.7	8.7	8.7	10.6	12.6	13.5	12.6	8.7	6.8	6.8	7.7
127.5°	7.7	7.7	7.7	8.7	10.6	11.6	9.8	6.8	5.8	5.8	6.8
130°	7.7	7.7	6.8	7.7	9.8	9.8	7.7	4.8	3.9	4.8	5.8
132.5°	6.8	6.8	6.8	6.8	7.7	7.7	6.8	3.9	3.9	3.9	4.8
135°	6.8	6.8	5.8	5.8	6.8	6.8	4.8	2.9	2.9	2.9	3.9
137.5°	5.8	5.8	5.8	4.8	4.8	4.8	3.9	1.9	1.9	2.9	2.9
140°	4.8	4.8	4.8	3.9	3.9	2.9	1.9	1.0	1.9	1.9	2.9
142.5°	3.9	3.9	3.9	2.9	2.9	1.9	1.0	1.0	1.0	1.9	1.9
145°	2.9	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.9
147.5°	1.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	265.1	264.1	261.1	259.2	257.3	255.3	255.3	253.4	252.5	251.6	251.6
5°	280.5	276.7	271.8	267.9	263.1	258.3	254.3	251.6	249.5	248.6	247.6
7.5°	303.7	298.9	290.2	283.4	274.7	267.9	262.1	256.3	254.3	252.5	252.5
10°	342.4	333.7	321.1	308.5	296.9	285.3	278.6	270.9	268.9	266.9	266.9
12.5°	393.7	384.9	364.6	347.2	328.9	313.3	302.7	296.0	294.0	291.1	292.0
15°	454.6	439.1	416.9	391.7	368.5	347.2	334.7	324.1	319.1	316.3	317.3
17.5°	523.3	505.9	473.9	441.1	411.1	387.9	366.6	351.0	343.4	340.5	340.5
20°	602.6	583.2	542.6	498.1	459.4	426.5	399.5	376.3	366.6	362.7	362.7
22.5°	696.4	672.3	616.1	559.1	510.7	462.3	426.5	398.5	386.9	383.1	383.1
25°	804.7	772.8	701.2	630.7	558.1	493.3	447.9	417.8	404.3	399.5	399.5
27.5°	917.9	888.0	795.1	705.2	605.6	518.4	464.3	431.3	415.9	413.0	412.0
30°	1061.0	1018.6	898.5	775.7	646.2	535.8	471.0	439.1	423.6	420.7	420.7
32.5°	1210.9	1160.7	1015.6	849.3	677.1	543.6	472.0	442.1	428.6	425.6	424.6
35°	1387.0	1322.1	1137.5	924.7	705.2	546.6	471.0	443.9	433.3	429.5	428.6
37.5°	1578.5	1496.3	1266.1	994.3	719.6	541.6	468.1	442.9	435.3	430.4	429.5
40°	1785.6	1690.7	1413.2	1050.4	721.5	532.0	462.3	443.9	436.2	430.4	428.6
42.5°	2016.7	1902.5	1555.3	1101.7	715.7	520.4	458.5	443.9	437.1	430.4	428.6
45°	2273.9	2134.7	1704.2	1141.3	700.3	506.9	454.6	443.9	438.1	429.5	428.6
47.5°	2548.6	2383.3	1857.1	1172.3	680.9	493.3	452.7	445.9	441.1	430.4	429.5
50°	2836.0	2645.3	2005.0	1192.6	657.7	480.7	450.7	445.9	442.9	431.3	430.4
52.5°	3145.3	2922.9	2165.6	1203.3	630.7	468.1	448.8	447.9	444.9	434.3	432.3
55°	3433.7	3190.0	2308.7	1203.3	602.6	456.4	446.9	448.8	447.9	437.1	435.3
57.5°	3702.6	3435.5	2434.6	1188.7	572.6	444.9	442.9	447.9	448.8	439.1	437.1
60°	3934.7	3650.4	2523.5	1165.5	541.6	433.3	438.1	445.9	448.8	440.1	438.1
62.5°	4091.3	3799.3	2553.5	1116.2	508.7	420.7	429.5	440.1	445.9	438.1	436.2
64°	4139.8	3836.9	2546.8	1079.4	488.5	413.0	423.6	436.2	442.1	436.2	434.3
65°	4153.3	3842.7	2522.5	1048.5	475.9	407.2	418.8	432.3	439.1	433.3	431.3
67.5°	4072.0	3742.2	2403.6	956.6	445.9	391.7	405.3	418.8	427.5	424.6	422.8
70°	3865.0	3529.4	2207.2	856.0	414.9	373.3	386.9	401.4	412.0	410.0	409.1
72.5°	3523.6	3193.7	1959.6	737.9	383.9	353.0	362.7	379.1	389.8	388.9	386.9
75°	3072.0	2751.8	1619.1	630.7	350.1	326.9	336.6	351.0	361.7	359.8	359.8
77.5°	2543.8	2237.2	1299.9	521.3	319.1	298.9	307.6	319.1	328.9	325.9	324.9
80°	1981.9	1721.7	993.3	424.6	286.3	268.9	274.7	283.4	292.0	288.2	287.3
82.5°	1456.7	1259.3	732.1	340.5	253.4	235.0	239.9	247.6	252.5	248.6	247.6
85°	1021.3	880.2	530.0	270.9	217.7	202.1	203.1	206.9	210.9	205.1	204.1
87.5°	688.7	590.0	367.5	214.7	183.8	170.2	169.3	171.2	174.0	168.3	165.4
90°	451.7	384.9	251.6	174.0	153.8	142.1	140.3	140.3	141.2	134.5	132.5
92.5°	286.3	249.5	182.8	142.1	128.6	118.0	115.0	114.1	113.2	106.4	105.4
95°	186.8	171.2	140.3	118.0	106.4	97.7	94.8	92.9	90.9	86.1	84.1
97.5°	131.5	123.8	111.2	97.7	88.9	81.3	78.3	75.4	73.5	67.7	66.7
100°	98.7	95.7	89.9	81.3	74.6	67.7	64.8	62.0	60.0	54.2	53.2
102.5°	76.4	76.4	73.5	67.7	62.0	56.0	54.2	51.3	48.4	44.5	43.4
105°	59.0	59.0	60.0	57.1	52.2	48.4	45.5	43.4	40.7	35.8	35.8
107.5°	44.5	46.4	48.4	47.4	44.5	40.7	38.7	36.7	32.9	29.9	29.9



REPORT NUMBER: P255281

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.9	34.9	38.7	39.7	37.7	34.9	32.9	29.9	27.1	24.1	24.1
112.5°	25.1	27.1	30.9	32.9	31.9	29.9	28.1	25.1	21.3	20.3	20.3
115°	19.3	21.3	25.1	27.1	27.1	25.1	23.2	20.3	17.4	16.4	17.4
117.5°	15.6	17.4	20.3	22.3	22.3	20.3	19.3	16.4	14.5	14.5	14.5
120°	12.6	14.5	16.4	18.3	18.3	17.4	15.6	13.5	11.6	12.6	12.6
122.5°	10.6	11.6	13.5	14.5	15.6	14.5	12.6	10.6	9.8	10.6	10.6
125°	8.7	9.8	11.6	11.6	12.6	11.6	10.6	8.7	7.7	8.7	8.7
127.5°	7.7	8.7	9.8	9.8	10.6	9.8	8.7	6.8	6.8	7.7	7.7
130°	5.8	6.8	7.7	7.7	8.7	7.7	6.8	5.8	5.8	6.8	6.8
132.5°	4.8	5.8	5.8	6.8	6.8	6.8	5.8	3.9	4.8	4.8	4.8
135°	4.8	4.8	5.8	4.8	4.8	4.8	3.9	2.9	3.9	3.9	3.9
137.5°	3.9	3.9	4.8	4.8	3.9	3.9	2.9	1.9	2.9	3.9	3.9
140°	2.9	3.9	3.9	3.9	3.9	2.9	1.9	1.0	1.9	1.9	1.9
142.5°	2.9	2.9	3.9	3.9	2.9	1.9	1.0	0.0	1.0	1.0	1.0
145°	1.9	2.9	2.9	2.9	1.9	1.9	1.0	0.0	0.0	1.0	0.0
147.5°	1.9	1.9	2.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	1.0	1.0	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

(END OF REPORT)