

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: P266213

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T2U-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266213
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-AF24-90-D-U-T2U-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 7214.8 lumens
Efficiency: N/A
Efficacy: 76.8 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): 94
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

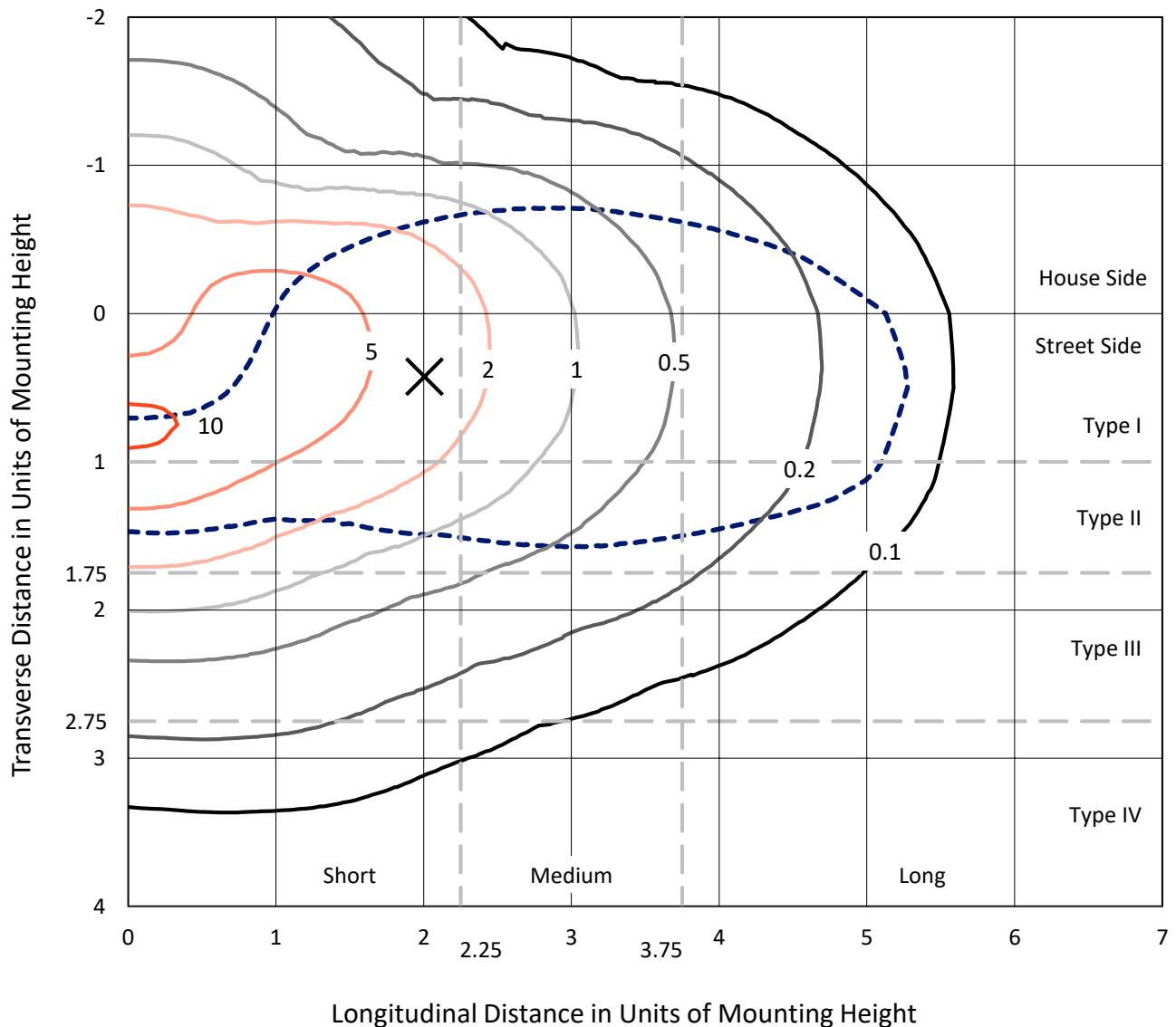


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

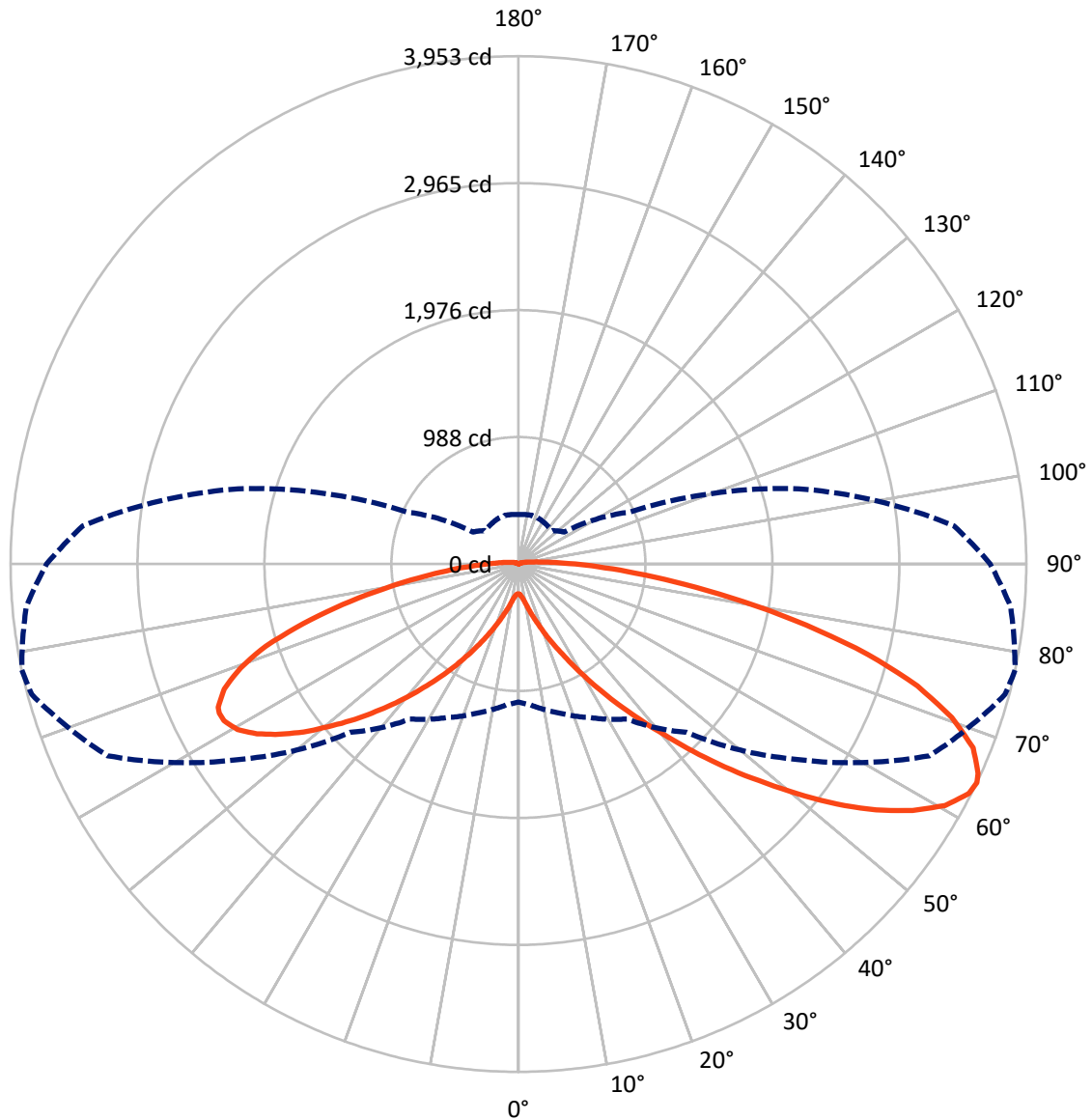


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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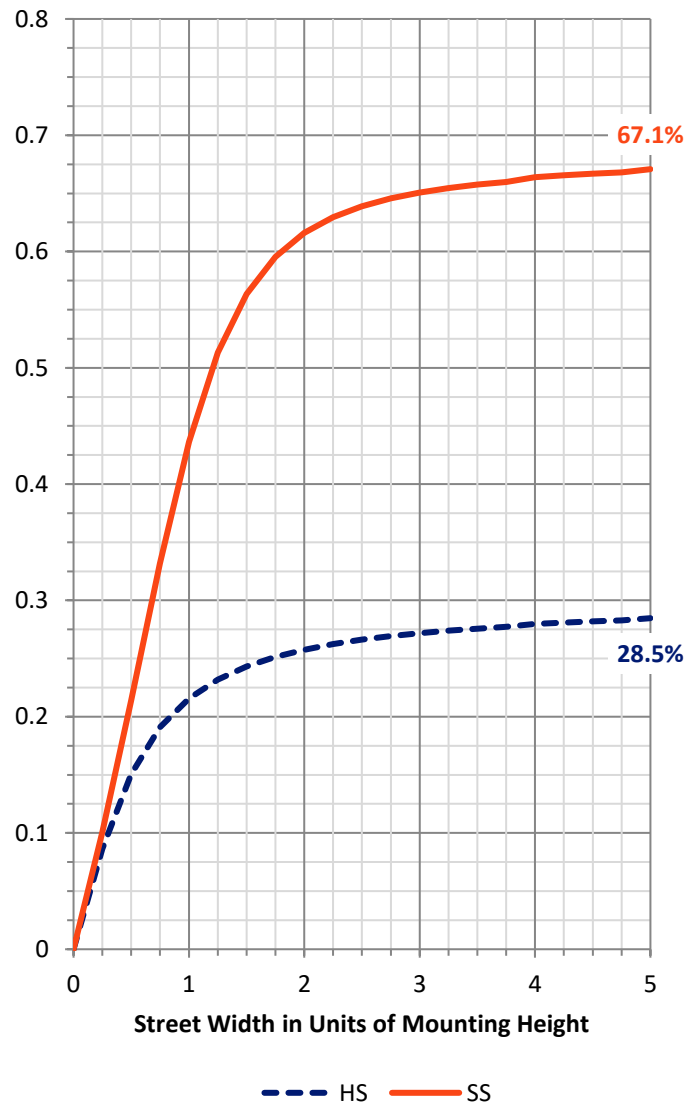
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2118.4	97.5	2215.9
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	4906.4	92.4	4998.8
	% Fixture	68.0	1.3	69.3
Total	Lumens	7024.8	190.0	7214.8
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	0.4
10°-20°	116.9	1.6
20°-30°	326.1	4.5
30°-40°	708.4	9.8
40°-50°	1223.5	17.0
50°-60°	1619.8	22.5
60°-70°	1580.3	21.9
70°-80°	1027.1	14.2
80°-90°	397.5	5.5
90°-100°	114.7	1.6
100°-110°	43.6	0.6
110°-120°	19.0	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°	7024.8	97.4
0°-180°	7214.8	100.0

Coefficient of Utilization



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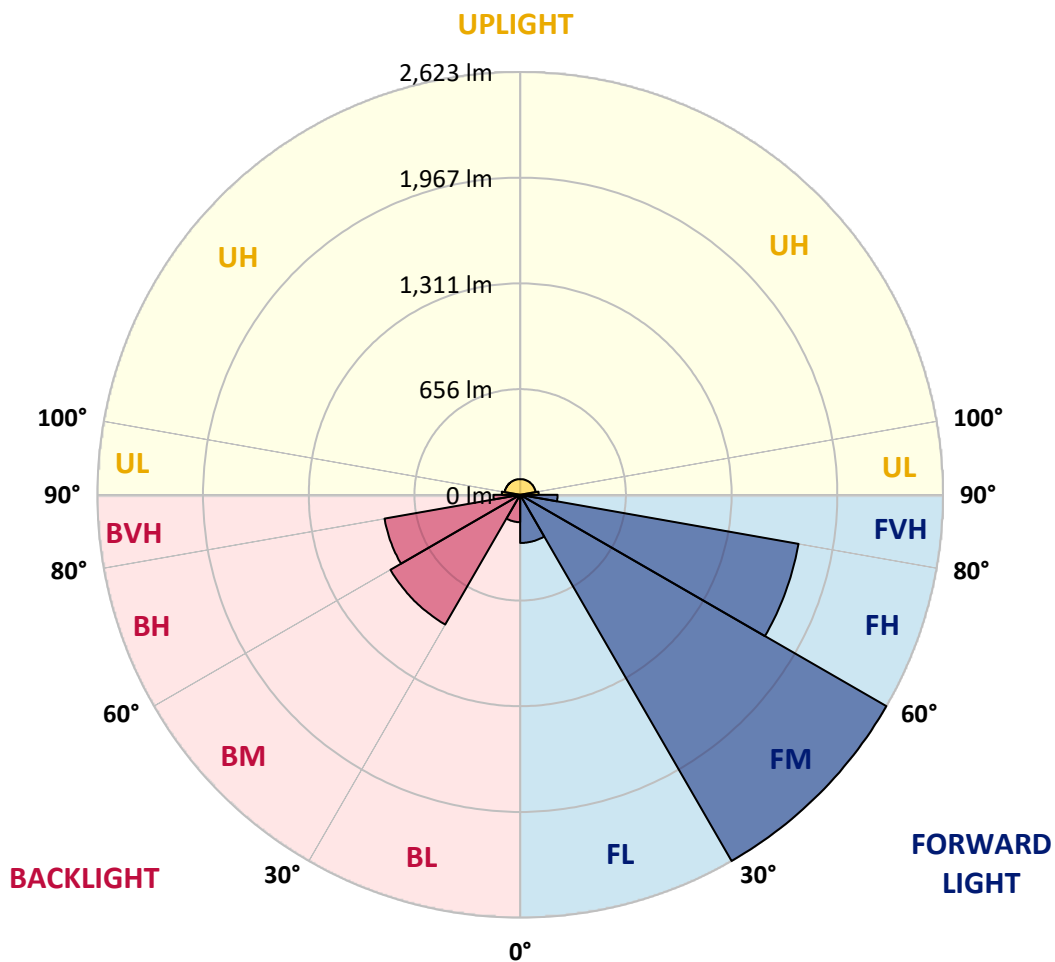
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.6	4.1			
FM (30°-60°)	2622.8	36.4			
FH (60°-80°)	1753.2	24.3			G1/1800
FVH (80°-90°)	231.8	3.2			G3/500
BL (0°-30°)	169.7	2.4	B1/500		
BM (30°-60°)	928.9	12.9	B1/1000		
BH (60°-80°)	854.2	11.8	B2/1000		G2/1000
BVH (80°-90°)	165.7	2.3			G2/225
UL (90°-100°)	114.7	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°	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5
2.5°	251.3	250.5	250.5	251.3	248.8	247.9	245.3	242.0	239.4	238.5	236.0
5°	278.8	277.1	275.4	276.3	273.8	269.4	265.1	260.0	255.7	254.0	249.6
7.5°	311.4	313.1	309.7	307.9	304.5	300.4	292.6	286.6	280.6	277.9	273.8
10°	362.9	363.9	357.7	358.7	348.4	343.2	335.4	325.1	318.3	314.0	307.9
12.5°	433.3	432.4	425.5	423.0	410.2	400.6	388.6	376.7	369.8	364.6	354.3
15°	519.1	517.3	513.1	502.8	483.1	471.0	456.5	438.5	429.0	422.2	411.0
17.5°	620.3	621.2	612.6	598.9	572.3	555.2	533.7	509.7	496.0	486.5	474.5
20°	746.4	747.3	731.8	712.1	677.9	653.7	617.8	595.4	573.9	568.8	550.0
22.5°	896.6	895.8	872.7	846.8	800.5	764.5	725.0	689.0	664.0	657.2	636.7
25°	1067.4	1065.7	1037.4	1009.9	940.3	893.2	841.7	797.1	772.3	758.4	735.4
27.5°	1268.1	1264.8	1226.9	1187.5	1099.0	1029.5	966.9	925.0	894.1	876.0	850.2
30°	1484.4	1480.9	1435.4	1371.2	1275.9	1196.1	1113.7	1064.9	1029.5	1015.9	980.7
32.5°	1717.6	1710.8	1657.6	1579.6	1467.2	1366.0	1282.7	1226.9	1184.1	1170.3	1124.9
35°	1954.5	1945.1	1888.4	1797.5	1668.0	1557.3	1472.3	1414.0	1360.8	1342.7	1287.9
37.5°	2182.0	2169.0	2124.4	2009.5	1878.1	1775.2	1680.0	1607.1	1548.7	1532.4	1460.4
40°	2362.2	2354.4	2313.1	2202.6	2077.2	1973.3	1900.5	1842.2	1768.4	1743.5	1666.3
42.5°	2499.4	2491.7	2459.9	2368.1	2256.5	2185.3	2124.4	2082.5	2018.9	1992.4	1883.3
45°	2570.6	2559.5	2545.6	2479.6	2403.2	2368.1	2360.3	2344.9	2283.1	2252.3	2125.3
47.5°	2554.3	2549.1	2562.0	2521.7	2491.7	2522.5	2588.6	2619.5	2548.3	2519.9	2386.1
50°	2451.4	2458.2	2490.8	2487.3	2516.5	2621.3	2787.7	2889.8	2845.1	2807.5	2661.6
52.5°	2278.9	2288.3	2346.6	2378.4	2462.4	2660.7	2942.0	3144.5	3148.9	3105.1	2940.4
55°	2052.4	2073.0	2144.2	2206.0	2341.5	2615.1	3033.0	3359.1	3423.4	3378.9	3203.7
57.5°	1783.9	1813.8	1891.9	1994.0	2151.9	2490.8	3051.1	3519.5	3655.9	3619.1	3451.7
60°	1504.1	1525.5	1622.5	1737.4	1895.3	2300.3	2976.4	3603.6	3838.6	3815.6	3679.1
62.5°	1229.5	1253.6	1353.0	1479.1	1633.7	2030.0	2798.8	3597.6	3923.6	3934.8	3813.8
64°	1074.3	1100.9	1198.7	1318.0	1472.3	1854.1	2651.3	3530.7	3921.9	3952.8	3846.5
65°	977.3	1003.9	1100.0	1218.5	1369.3	1732.3	2540.5	3466.3	3905.7	3931.4	3847.4
67.5°	763.6	785.1	876.0	997.8	1118.8	1427.8	2189.6	3212.3	3773.5	3816.4	3767.5
70°	586.9	607.4	690.6	803.1	904.4	1160.9	1808.6	2840.9	3518.8	3578.8	3555.6
72.5°	451.3	468.5	542.2	640.0	722.4	918.1	1444.8	2401.6	3149.7	3247.6	3251.9
75°	348.4	362.0	423.0	507.9	573.2	713.9	1125.7	1928.8	2679.6	2809.1	2839.2
77.5°	271.9	280.6	329.5	398.9	452.1	545.7	846.8	1484.4	2162.2	2290.9	2344.0
80°	213.6	220.5	258.3	313.1	355.2	410.2	620.3	1098.3	1657.6	1774.3	1824.9
82.5°	165.6	171.5	201.6	246.2	278.8	314.9	443.7	782.6	1206.3	1302.5	1343.7
85°	126.1	130.4	156.1	189.6	216.2	242.0	309.7	534.5	839.9	912.9	941.2
87.5°	93.6	96.9	118.3	145.9	165.6	185.3	225.7	353.6	564.6	616.9	637.4
90°	67.8	70.3	87.6	110.8	127.9	142.4	163.9	234.3	362.9	398.0	413.6
92.5°	48.1	50.7	64.4	83.3	99.5	111.5	126.1	163.0	232.5	251.3	263.5
95°	35.2	36.9	47.3	62.6	77.3	88.4	100.4	118.3	153.6	163.9	168.2
97.5°	26.6	27.5	36.0	48.1	60.9	70.3	79.0	90.1	108.1	113.2	115.8
100°	20.7	21.5	28.2	38.5	48.9	57.5	63.5	70.3	79.8	83.3	84.9
102.5°	17.2	18.1	23.1	31.7	40.3	47.3	52.3	56.7	60.9	62.6	65.1
105°	15.5	15.5	20.7	27.5	34.3	40.3	44.6	46.4	47.3	48.1	48.9
107.5°	12.8	13.7	18.1	24.1	30.1	35.2	37.8	37.8	36.0	36.0	36.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	11.9	11.9	15.5	20.7	26.6	30.1	31.7	30.1	26.6	26.6	27.5
112.5°	10.3	11.1	13.7	18.1	23.1	26.6	26.6	24.1	19.8	19.8	20.7
115°	9.4	9.4	11.9	16.3	19.8	22.3	22.3	19.8	14.6	14.6	15.5
117.5°	8.5	8.5	10.3	13.7	17.2	19.8	18.9	15.5	11.1	11.1	12.8
120°	8.5	8.5	9.4	11.9	14.6	16.3	15.5	11.9	8.5	8.5	10.3
122.5°	7.7	7.7	8.5	10.3	12.8	13.7	12.8	9.4	6.8	7.7	8.5
125°	7.7	7.7	7.7	9.4	11.1	11.9	11.1	7.7	6.0	6.0	6.8
127.5°	6.8	6.8	6.8	7.7	9.4	10.3	8.5	6.0	5.1	5.1	6.0
130°	6.8	6.8	6.0	6.8	8.5	8.5	6.8	4.3	3.5	4.3	5.1
132.5°	6.0	6.0	6.0	6.0	6.8	6.8	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	2.5	2.5	2.5	3.5
137.5°	5.1	5.1	5.1	4.3	4.3	4.3	3.5	1.6	1.6	2.5	2.5
140°	4.3	4.3	4.3	3.5	3.5	2.5	1.6	0.9	1.6	1.6	2.5
142.5°	3.5	3.5	3.5	2.5	2.5	1.6	0.9	0.9	0.9	1.6	1.6
145°	2.5	2.5	2.5	1.6	1.6	0.9	0.9	0.9	0.9	0.9	1.6
147.5°	1.6	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5	232.5
2.5°	235.0	234.3	231.7	230.0	228.2	226.6	226.6	224.8	223.9	223.0	223.0
5°	248.8	245.3	241.0	237.7	233.4	229.1	225.7	223.0	221.3	220.5	219.6
7.5°	269.4	265.1	257.5	251.3	243.7	237.7	232.5	227.5	225.7	223.9	223.9
10°	303.7	296.0	284.9	273.8	263.5	253.1	247.2	240.2	238.5	236.9	236.9
12.5°	349.3	341.4	323.5	307.9	291.7	277.9	268.6	262.6	260.9	258.3	259.2
15°	403.2	389.5	369.8	347.5	327.0	307.9	296.9	287.5	283.1	280.6	281.3
17.5°	464.2	448.8	420.4	391.2	364.6	344.1	325.1	311.4	304.5	302.0	302.0
20°	534.5	517.3	481.3	441.8	407.6	378.4	354.3	333.8	325.1	321.8	321.8
22.5°	617.8	596.4	546.6	496.0	453.0	410.2	378.4	353.6	343.2	339.7	339.7
25°	713.9	685.5	622.0	559.5	495.1	437.6	397.3	370.7	358.7	354.3	354.3
27.5°	814.3	787.6	705.3	625.5	537.0	459.9	411.9	382.7	368.9	366.4	365.5
30°	941.2	903.4	797.1	688.1	573.2	475.4	417.8	389.5	375.9	373.2	373.2
32.5°	1074.3	1029.5	900.9	753.3	600.5	482.2	418.7	392.1	380.2	377.5	376.7
35°	1230.4	1172.8	1009.1	820.2	625.5	484.7	417.8	393.8	384.4	380.9	380.2
37.5°	1400.3	1327.3	1123.2	882.0	638.3	480.5	415.2	393.0	386.1	381.8	380.9
40°	1583.9	1499.8	1253.6	931.8	640.0	471.9	410.2	393.8	387.0	381.8	380.2
42.5°	1789.0	1687.6	1379.6	977.3	634.9	461.5	406.8	393.8	387.8	381.8	380.2
45°	2017.1	1893.5	1511.8	1012.5	621.2	449.6	403.2	393.8	388.6	380.9	380.2
47.5°	2260.9	2114.2	1647.4	1039.9	604.0	437.6	401.5	395.6	391.2	381.8	380.9
50°	2515.7	2346.6	1778.6	1057.9	583.4	426.4	399.8	395.6	393.0	382.7	381.8
52.5°	2790.2	2592.9	1921.0	1067.4	559.5	415.2	398.0	397.3	394.6	385.3	383.5
55°	3046.0	2829.8	2048.0	1067.4	534.5	405.0	396.4	398.0	397.3	387.8	386.1
57.5°	3284.5	3047.6	2159.5	1054.5	507.9	394.6	393.0	397.3	398.0	389.5	387.8
60°	3490.4	3238.1	2238.5	1033.9	480.5	384.4	388.6	395.6	398.0	390.5	388.6
62.5°	3629.3	3370.3	2265.2	990.1	451.3	373.2	380.9	390.5	395.6	388.6	387.0
64°	3672.4	3403.7	2259.1	957.6	433.3	366.4	375.9	387.0	392.1	387.0	385.3
65°	3684.3	3408.9	2237.7	930.0	422.2	361.2	371.4	383.5	389.5	384.4	382.7
67.5°	3612.3	3319.6	2132.1	848.5	395.6	347.5	359.5	371.4	379.3	376.7	375.0
70°	3428.7	3130.9	1957.9	759.3	368.0	331.1	343.2	356.1	365.5	363.9	362.9
72.5°	3125.7	2833.2	1738.3	654.7	340.6	313.1	321.8	336.3	345.8	344.9	343.2
75°	2725.0	2441.1	1436.3	559.5	310.6	290.1	298.5	311.4	320.9	319.2	319.2
77.5°	2256.5	1984.5	1153.2	462.4	283.1	265.1	272.8	283.1	291.7	289.2	288.3
80°	1758.1	1527.3	881.1	376.7	254.0	238.5	243.7	251.3	259.2	255.7	254.8
82.5°	1292.1	1117.1	649.6	302.0	224.8	208.4	212.8	219.6	223.9	220.5	219.6
85°	906.1	780.7	470.3	240.2	193.0	179.3	180.2	183.7	187.0	181.8	181.1
87.5°	610.8	523.4	326.1	190.5	163.0	151.1	150.1	151.9	154.5	149.3	146.8
90°	400.6	341.4	223.0	154.5	136.5	126.1	124.4	124.4	125.3	119.3	117.6
92.5°	254.0	221.3	162.1	126.1	114.2	104.7	102.0	101.2	100.4	94.4	93.6
95°	165.6	151.9	124.4	104.7	94.4	86.6	84.1	82.4	80.7	76.4	74.6
97.5°	116.7	109.9	98.6	86.6	79.0	72.0	69.4	67.0	65.1	60.0	59.2
100°	87.6	84.9	79.8	72.0	66.0	60.0	57.5	54.8	53.2	48.1	47.3
102.5°	67.8	67.8	65.1	60.0	54.8	49.8	48.1	45.5	42.8	39.4	38.5
105°	52.3	52.3	53.2	50.7	46.4	42.8	40.3	38.5	36.0	31.7	31.7
107.5°	39.4	41.2	42.8	42.0	39.4	36.0	34.3	32.6	29.1	26.6	26.6



REPORT NUMBER: P266213

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.1	30.9	34.3	35.2	33.4	30.9	29.1	26.6	24.1	21.5	21.5
112.5°	22.3	24.1	27.5	29.1	28.2	26.6	25.0	22.3	18.9	18.1	18.1
115°	17.2	18.9	22.3	24.1	24.1	22.3	20.7	18.1	15.5	14.6	15.5
117.5°	13.7	15.5	18.1	19.8	19.8	18.1	17.2	14.6	12.8	12.8	12.8
120°	11.1	12.8	14.6	16.3	16.3	15.5	13.7	11.9	10.3	11.1	11.1
122.5°	9.4	10.3	11.9	12.8	13.7	12.8	11.1	9.4	8.5	9.4	9.4
125°	7.7	8.5	10.3	10.3	11.1	10.3	9.4	7.7	6.8	7.7	7.7
127.5°	6.8	7.7	8.5	8.5	9.4	8.5	7.7	6.0	6.0	6.8	6.8
130°	5.1	6.0	6.8	6.8	7.7	6.8	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	2.5	3.5	3.5	3.5
137.5°	3.5	3.5	4.3	4.3	3.5	3.5	2.5	1.6	2.5	3.5	3.5
140°	2.5	3.5	3.5	3.5	3.5	2.5	1.6	0.9	1.6	1.6	1.6
142.5°	2.5	2.5	3.5	3.5	2.5	1.6	0.9	0.0	0.9	0.9	0.9
145°	1.6	2.5	2.5	2.5	1.6	1.6	0.9	0.0	0.0	0.9	0.0
147.5°	1.6	1.6	2.5	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0
150°	0.9	1.6	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.9	0.9	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)