

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: P254469

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-80-D-U-T2U-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7373.9 lumens  
Efficiency: N/A  
Efficacy: 88.8 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): 83  
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

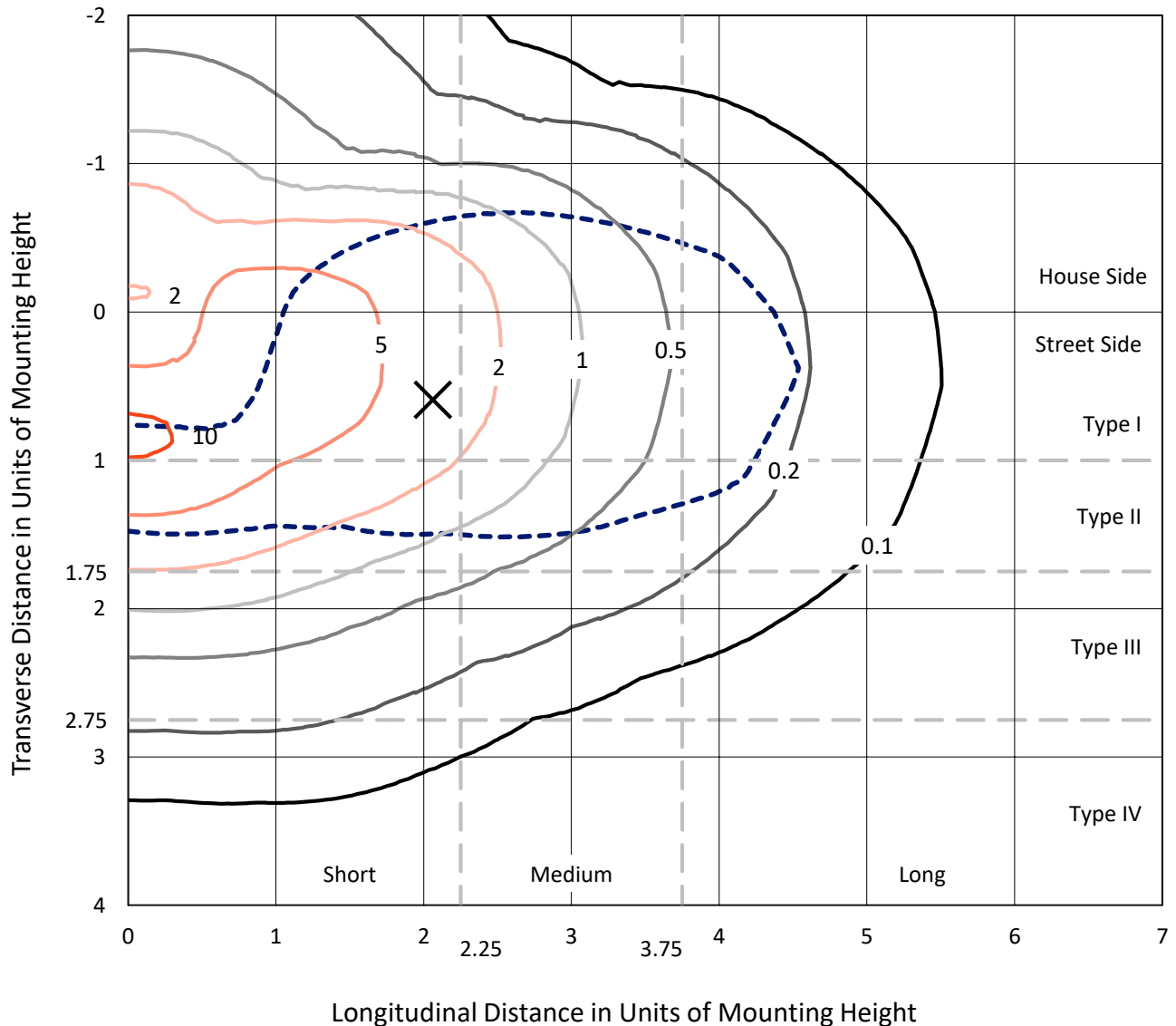


REPORT NUMBER: P254469

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-A-7030

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

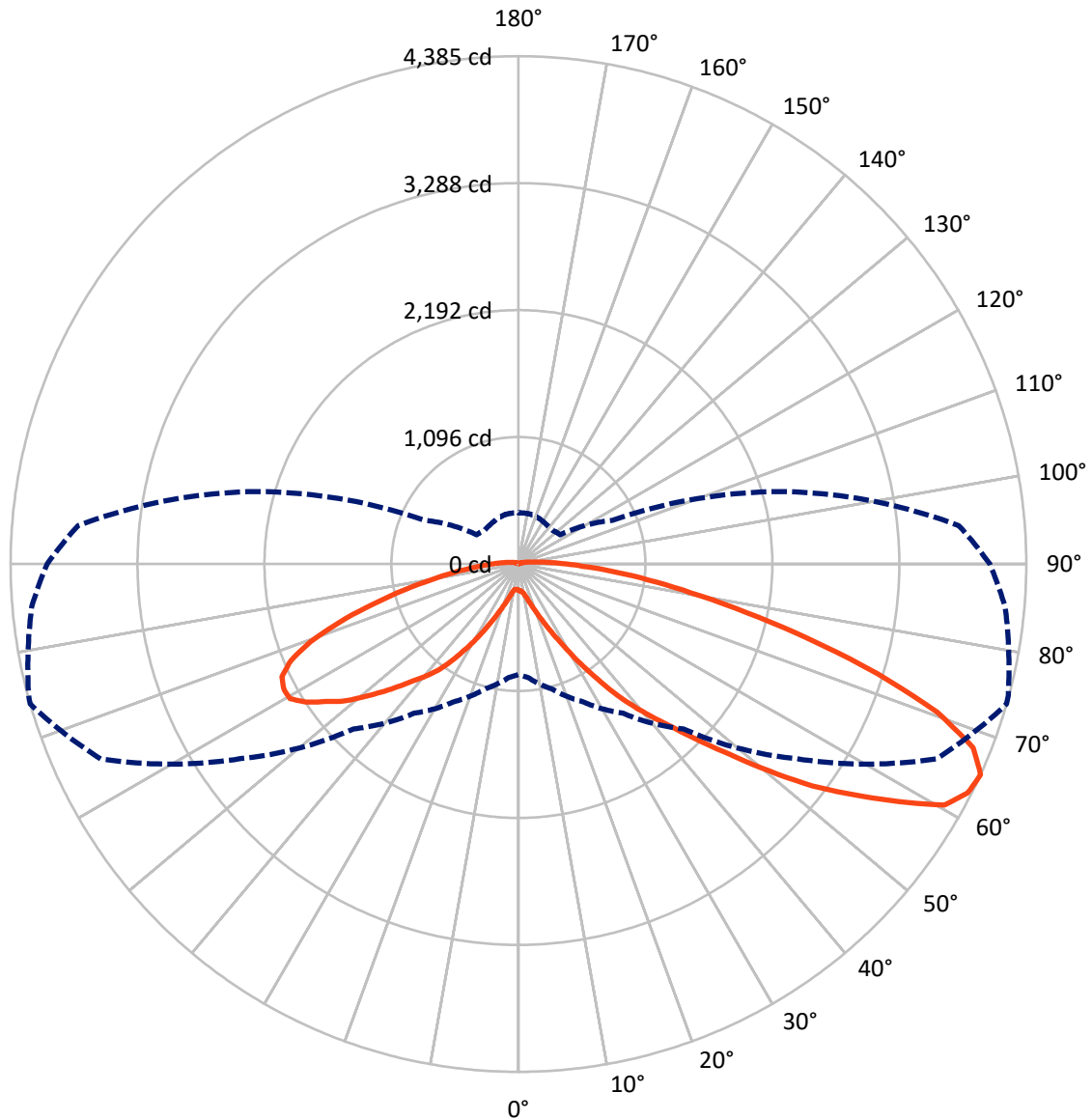


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P254469

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-A-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P254469

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-A-7030

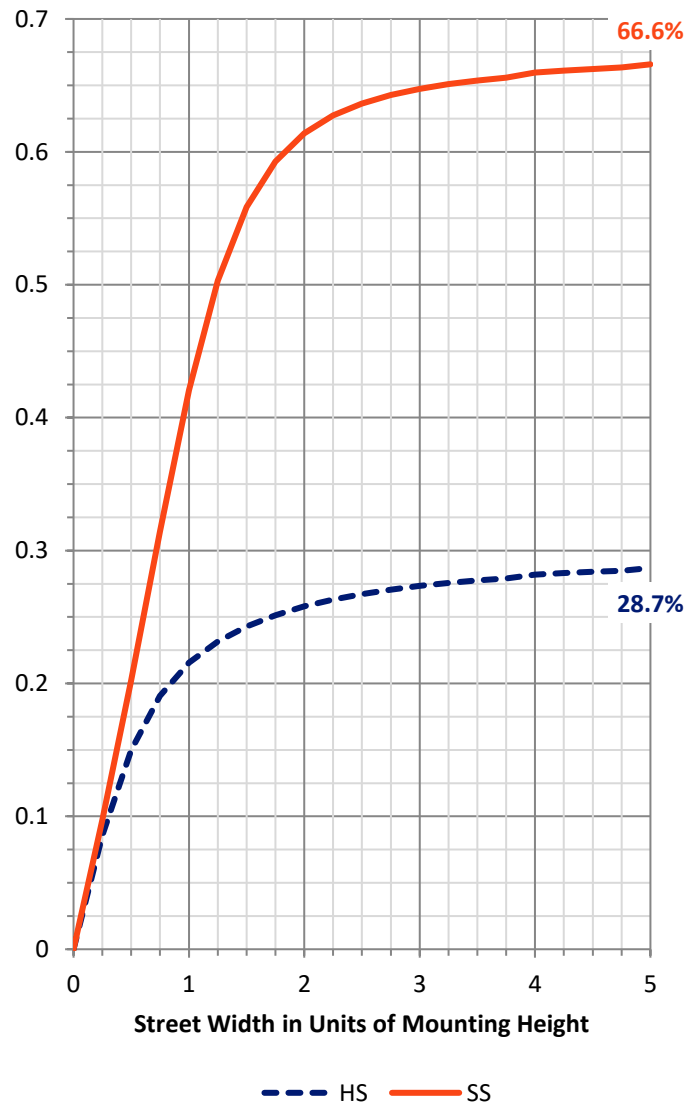
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2180.5	106.6	2287.1
	% Fixture	29.6	1.4	31.0
<b>Street Side</b>	Lumens	4978.2	108.6	5086.8
	% Fixture	67.5	1.5	69.0
<b>Total</b>	Lumens	7158.7	215.2	7373.9
	% Fixture	97.1	2.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.5	0.3
10°-20°	92.5	1.3
20°-30°	272.8	3.7
30°-40°	665.4	9.0
40°-50°	1214.7	16.5
50°-60°	1728.4	23.4
60°-70°	1740.1	23.6
70°-80°	1030.3	14.0
80°-90°	392.1	5.3
90°-100°	123.6	1.7
100°-110°	46.7	0.6
110°-120°	22.4	0.3
120°-130°	12.7	0.2
130°-140°	7.2	0.1
140°-150°	2.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7158.7	97.1
0°-180°	7373.9	100.0



REPORT NUMBER: P254469

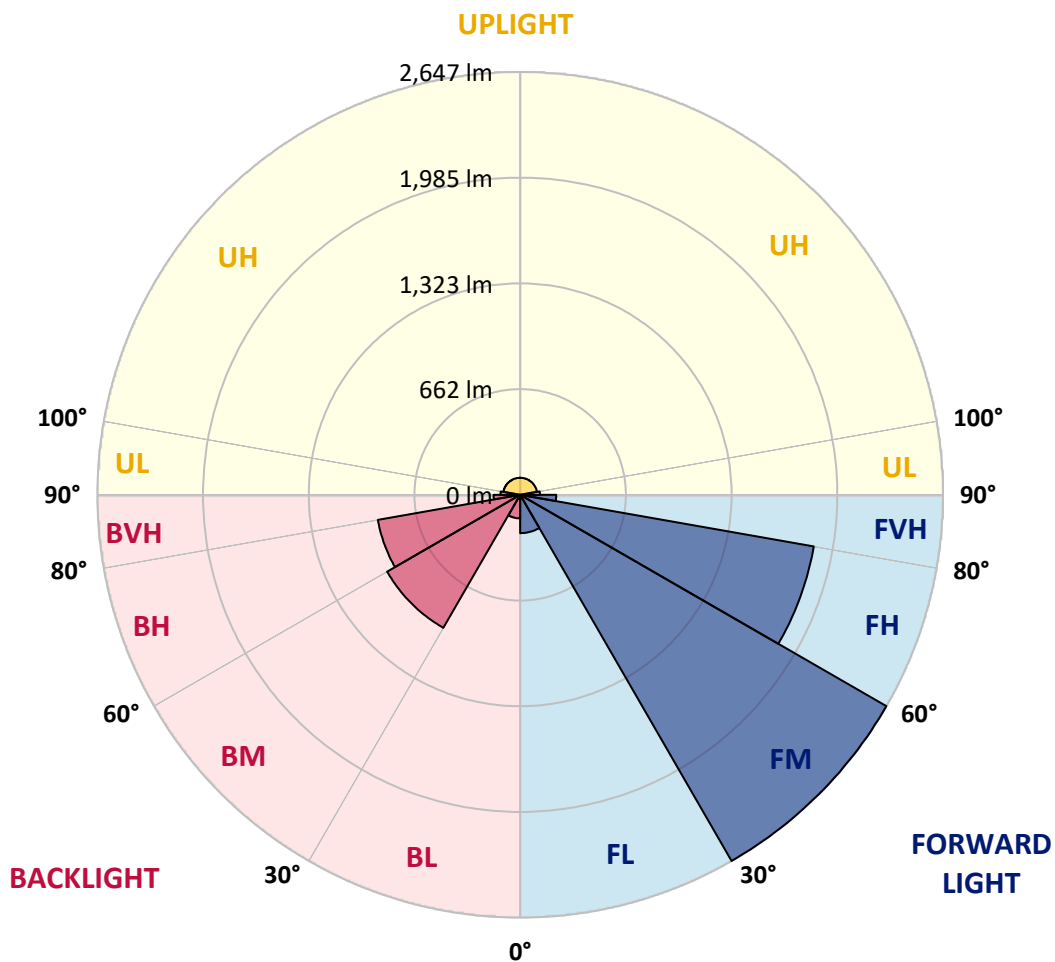
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.1	3.3			
FM	(30°-60°)	2646.5	35.9			
FH	(60°-80°)	1866.1	25.3			G2/5000
FVH	(80°-90°)	225.6	3.1			G3/500
BL	(0°-30°)	147.7	2.0	B1/500		
BM	(30°-60°)	961.9	13.0	B1/1000		
BH	(60°-80°)	904.3	12.3	B2/1000		G2/1000
BVH	(80°-90°)	166.5	2.3			G2/225
UL	(90°-100°)	123.6	1.7		U3/500	
UH	(100°-180°)	106.6	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°	74°	75°	85°
0°	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8
2.5°	242.8	241.9	242.8	241.9	241.9	240.1	237.4	234.0	230.3	229.5	226.8
5°	259.6	259.6	259.6	257.9	256.0	253.4	248.0	241.9	235.7	234.8	229.5
7.5°	282.7	283.5	281.8	278.2	274.7	267.5	261.3	252.5	244.5	243.6	235.7
10°	317.2	316.3	313.6	309.2	299.5	291.5	280.8	268.4	259.6	257.9	248.0
12.5°	365.0	364.2	359.7	347.3	334.0	318.9	308.3	296.7	287.9	287.1	278.2
15°	426.9	425.2	416.4	400.4	379.1	359.7	350.8	339.4	330.4	329.5	320.6
17.5°	503.2	501.4	489.1	466.0	436.7	414.6	405.0	391.5	381.9	382.7	369.4
20°	598.8	594.5	577.7	546.7	511.3	484.6	469.6	456.2	448.3	447.4	437.7
22.5°	721.9	715.8	685.7	648.5	604.2	567.9	548.4	534.2	529.0	529.8	520.9
25°	879.7	868.2	830.2	778.7	723.9	668.0	644.9	629.0	631.6	633.4	624.5
27.5°	1066.7	1061.4	1002.9	940.8	859.4	787.5	766.4	750.4	755.7	760.1	753.1
30°	1298.8	1281.1	1212.9	1119.8	1014.4	926.6	899.2	893.8	908.1	914.3	909.8
32.5°	1565.4	1550.4	1457.3	1339.5	1186.2	1082.6	1050.7	1064.8	1087.9	1095.0	1089.7
35°	1881.7	1868.5	1743.6	1582.3	1387.4	1276.5	1234.1	1258.0	1287.3	1293.4	1285.4
37.5°	2208.5	2201.6	2065.1	1853.4	1615.1	1471.5	1435.2	1469.7	1500.7	1506.0	1479.5
40°	2488.6	2494.8	2358.4	2123.6	1848.8	1678.9	1657.6	1688.6	1697.5	1700.1	1649.6
42.5°	2716.3	2719.8	2601.1	2363.6	2068.6	1895.0	1883.5	1899.5	1902.1	1902.1	1843.6
45°	2776.5	2796.0	2727.7	2547.1	2277.7	2105.0	2105.0	2141.3	2159.0	2164.3	2089.0
47.5°	2803.9	2818.2	2779.1	2648.9	2446.1	2307.9	2353.9	2438.1	2455.8	2465.6	2369.0
50°	2779.1	2798.6	2791.6	2707.5	2561.2	2493.9	2628.6	2775.6	2808.4	2818.2	2700.4
52.5°	2584.2	2623.2	2681.7	2696.7	2631.2	2648.9	2906.8	3154.8	3184.1	3189.4	3014.8
55°	2302.5	2348.6	2447.9	2553.3	2616.1	2751.7	3176.9	3521.5	3514.5	3518.0	3317.7
57.5°	1948.2	1993.3	2127.1	2293.7	2476.2	2774.7	3339.1	3819.2	3868.0	3877.7	3688.1
60°	1622.2	1640.7	1784.3	1973.0	2214.8	2657.7	3339.1	4067.2	4225.9	4207.2	3950.4
62.5°	1246.5	1284.6	1434.3	1639.9	1903.0	2371.6	3217.6	4146.2	4353.4	4327.8	4086.8
65°	954.2	985.2	1117.1	1311.2	1573.5	2012.8	2929.8	3980.5	4384.5	4378.2	4218.0
67.5°	744.2	748.7	862.0	1027.7	1244.7	1623.9	2458.5	3658.9	4234.8	4233.8	4138.2
70°	562.5	566.9	659.2	812.4	961.3	1242.1	1963.2	3135.3	3836.9	3825.3	3869.8
72.5°	429.7	435.0	507.6	629.9	738.8	927.6	1496.3	2521.3	3239.9	3256.7	3322.2
75°	332.2	337.5	394.2	489.1	566.1	680.3	1080.8	1898.5	2597.5	2625.0	2762.3
77.5°	256.0	261.3	306.6	378.2	435.0	498.8	753.1	1392.7	2009.3	2044.7	2198.0
80°	196.6	202.0	241.9	293.3	339.4	378.2	530.7	997.5	1512.2	1552.1	1730.2
82.5°	152.4	157.7	191.3	233.0	271.9	298.6	386.2	710.5	1127.8	1160.6	1345.7
85°	117.8	122.3	150.6	183.3	220.6	244.5	295.9	503.2	809.7	837.3	983.4
87.5°	91.2	94.8	117.8	144.4	178.9	202.9	235.7	365.9	555.5	576.8	674.2
90°	69.1	72.6	91.2	111.7	141.7	167.5	188.7	263.1	381.9	394.2	443.8
92.5°	50.5	53.2	68.2	83.2	108.0	132.9	150.6	194.9	259.6	265.8	287.1
95°	38.1	39.9	50.5	62.1	81.5	102.8	116.9	143.5	174.5	178.1	185.2
97.5°	30.1	31.0	39.0	47.8	63.0	79.8	90.3	105.4	123.1	124.9	128.5
100°	25.6	26.6	32.8	39.9	50.5	63.8	71.8	81.5	91.2	92.1	94.8
102.5°	22.2	23.1	27.5	32.8	42.5	53.2	58.5	64.7	70.0	69.1	71.8
105°	19.4	19.4	23.9	28.3	36.3	44.2	47.8	51.4	53.2	53.2	54.9
107.5°	16.8	17.7	20.3	24.8	31.9	38.1	39.9	40.8	40.8	40.8	42.5
110°	15.1	15.1	17.7	21.3	27.5	32.8	33.7	32.8	31.9	31.9	33.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	13.3	13.3	15.1	19.4	24.8	29.3	29.3	27.5	24.8	24.8	26.6
115°	11.5	12.4	13.3	17.7	23.1	26.6	25.6	23.1	20.3	20.3	22.2
117.5°	10.6	10.6	12.4	16.0	21.3	23.9	23.1	19.4	16.8	16.8	18.6
120°	10.6	10.6	11.5	15.1	19.4	22.2	20.3	16.8	14.2	14.2	16.8
122.5°	10.6	10.6	11.5	14.2	17.7	19.4	18.6	15.1	12.4	12.4	14.2
125°	11.5	11.5	11.5	14.2	16.8	18.6	16.8	14.2	11.5	11.5	12.4
127.5°	12.4	12.4	12.4	14.2	16.0	16.8	15.1	12.4	10.6	10.6	11.5
130°	13.3	13.3	12.4	13.3	15.1	15.1	14.2	11.5	9.8	9.8	11.5
132.5°	13.3	13.3	12.4	12.4	13.3	13.3	12.4	9.8	8.8	8.8	10.6
135°	12.4	12.4	11.5	11.5	11.5	11.5	9.8	7.9	7.9	7.9	8.8
137.5°	11.5	11.5	10.6	10.6	10.6	9.8	7.9	6.2	6.2	6.2	7.9
140°	9.8	9.8	9.8	8.8	8.8	7.9	6.2	5.4	5.4	5.4	6.2
142.5°	8.8	7.9	7.9	7.1	7.1	6.2	4.5	3.5	3.5	3.5	4.5
145°	7.1	7.1	6.2	5.4	5.4	4.5	2.6	1.7	2.6	2.6	3.5
147.5°	5.4	5.4	4.5	4.5	3.5	2.6	0.9	1.7	1.7	1.7	2.6
150°	3.5	3.5	3.5	2.6	1.7	0.9	0.9	0.9	0.9	1.7	1.7
152.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.9	0.9	0.9	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8
2.5°	225.1	224.1	222.4	218.8	218.0	216.2	213.5	212.6	210.9	211.8	210.9
5°	226.8	225.1	218.8	215.2	210.9	208.1	205.5	203.8	202.0	201.1	200.3
7.5°	231.2	228.6	221.5	214.3	208.1	203.8	200.3	197.5	195.8	194.9	194.1
10°	242.8	239.2	228.6	218.8	209.1	202.9	198.5	195.8	194.1	194.1	194.1
12.5°	271.1	266.7	250.7	234.0	218.0	208.1	202.9	206.4	210.9	215.2	218.0
15°	311.8	306.6	287.1	263.1	239.2	225.1	225.9	233.0	238.3	243.6	244.5
17.5°	363.2	356.1	331.4	299.5	267.5	256.0	252.5	259.6	268.4	273.8	276.4
20°	426.9	418.1	386.2	342.0	310.1	293.3	285.2	287.9	297.6	306.6	307.4
22.5°	508.5	492.5	455.4	394.2	354.3	328.7	317.2	317.2	330.4	342.0	343.7
25°	612.2	597.1	537.8	460.6	402.2	363.2	349.9	352.6	370.3	385.3	387.1
27.5°	739.8	718.5	640.5	539.5	451.8	393.4	379.1	386.2	403.9	419.9	421.7
30°	892.1	858.4	759.3	624.5	500.5	423.5	401.3	410.2	426.1	442.9	442.9
32.5°	1064.8	1025.1	892.9	715.0	546.7	444.6	413.8	425.2	441.2	458.1	457.1
35°	1251.8	1205.7	1032.1	806.3	588.3	459.8	419.9	433.2	451.8	472.2	472.2
37.5°	1441.4	1394.4	1172.2	887.7	617.6	461.6	421.7	441.2	466.0	484.6	482.8
40°	1597.4	1533.6	1285.4	946.1	629.9	457.1	424.4	445.7	464.3	472.2	470.5
42.5°	1784.3	1702.8	1398.0	976.3	621.9	449.2	425.2	440.4	449.2	449.2	445.7
45°	2010.2	1917.2	1538.0	1008.1	601.6	440.4	420.8	429.7	429.7	422.7	417.3
47.5°	2283.9	2158.1	1685.9	1036.6	581.1	432.3	416.4	419.9	410.2	399.6	395.9
50°	2602.9	2450.4	1848.8	1056.9	561.7	426.1	414.6	412.9	405.8	395.1	391.5
52.5°	2897.0	2726.0	2018.1	1072.8	541.3	423.5	414.6	414.6	407.5	392.5	389.0
55°	3186.6	3004.2	2153.7	1063.9	519.2	424.4	418.1	419.9	410.2	395.1	391.5
57.5°	3551.7	3355.1	2314.8	1048.1	496.1	426.1	421.7	423.5	414.6	400.4	396.9
60°	3805.1	3587.1	2430.2	1023.2	474.8	426.1	423.5	426.1	423.5	416.4	413.8
62.5°	3955.6	3712.9	2442.5	966.5	458.9	422.7	421.7	430.6	436.7	434.1	431.5
65°	4069.1	3815.7	2415.0	892.9	440.4	412.9	417.3	431.5	442.1	442.9	442.1
67.5°	3981.4	3720.1	2282.1	807.1	418.1	400.4	409.2	425.2	441.2	446.6	445.7
70°	3712.1	3455.1	2053.5	701.7	392.5	381.0	393.4	414.6	431.5	437.7	435.8
72.5°	3158.3	2928.9	1739.1	600.7	362.3	355.3	368.5	393.4	407.5	411.1	408.4
75°	2614.3	2412.3	1396.3	495.3	329.5	323.4	335.8	355.3	365.0	365.0	360.5
77.5°	2089.9	1902.1	1099.4	411.1	295.9	288.8	300.4	311.8	313.6	307.4	302.9
80°	1641.6	1464.4	832.8	340.3	261.3	254.2	257.9	264.9	267.5	256.0	249.8
82.5°	1273.1	1114.5	625.5	281.8	227.7	218.8	221.5	225.1	225.9	211.8	204.7
85°	917.8	798.2	458.9	237.4	195.8	187.8	187.0	187.8	188.7	176.4	170.1
87.5°	629.9	546.7	335.8	199.3	169.3	161.2	159.5	158.5	158.5	145.4	139.1
90°	414.6	366.8	249.8	168.4	143.5	135.6	131.9	131.1	129.4	115.2	109.8
92.5°	269.4	246.3	185.2	138.2	118.8	111.7	107.2	104.6	101.8	88.6	83.2
95°	176.4	166.5	140.0	110.8	95.7	89.5	86.0	82.4	78.8	67.3	63.8
97.5°	124.9	121.4	108.9	89.5	76.2	71.8	69.1	66.4	63.8	54.1	52.2
100°	94.0	93.0	87.7	73.5	62.1	59.3	56.7	54.9	53.2	46.1	44.2
102.5°	72.6	73.5	71.8	60.2	52.2	49.6	47.8	46.1	45.3	39.9	39.0
105°	56.7	58.5	57.6	50.5	44.2	42.5	40.8	39.0	38.1	34.5	34.5
107.5°	44.2	46.1	47.0	41.6	38.1	36.3	34.5	32.8	32.8	31.0	31.0
110°	35.4	37.2	39.0	35.4	32.8	31.9	30.1	28.3	27.5	27.5	27.5



REPORT NUMBER: P254469

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-A-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.3	30.1	31.9	30.1	28.3	27.5	25.6	23.9	23.9	23.9	24.8
115°	23.9	25.6	26.6	25.6	24.8	24.8	22.2	20.3	19.4	21.3	21.3
117.5°	20.3	22.2	23.1	22.2	22.2	22.2	19.4	17.7	16.8	17.7	18.6
120°	17.7	18.6	19.4	19.4	19.4	19.4	17.7	15.1	14.2	16.0	16.0
122.5°	15.1	16.0	16.8	17.7	17.7	16.8	15.1	13.3	12.4	14.2	14.2
125°	13.3	14.2	15.1	16.0	16.0	15.1	13.3	11.5	10.6	12.4	12.4
127.5°	12.4	13.3	14.2	14.2	14.2	13.3	11.5	9.8	9.8	10.6	11.5
130°	12.4	12.4	13.3	13.3	12.4	11.5	9.8	7.9	7.9	9.8	9.8
132.5°	11.5	11.5	11.5	11.5	10.6	9.8	7.9	7.1	7.1	8.8	8.8
135°	9.8	9.8	9.8	9.8	8.8	7.9	7.1	5.4	6.2	7.1	7.1
137.5°	7.9	7.9	7.9	7.9	7.1	6.2	5.4	4.5	4.5	5.4	6.2
140°	6.2	7.1	7.1	6.2	5.4	5.4	3.5	2.6	3.5	4.5	4.5
142.5°	5.4	5.4	5.4	4.5	4.5	3.5	2.6	1.7	2.6	3.5	3.5
145°	4.5	4.5	4.5	4.5	3.5	1.7	0.9	0.9	1.7	1.7	1.7
147.5°	3.5	3.5	3.5	3.5	2.6	1.7	0.0	0.0	0.9	0.9	0.9
150°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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)