

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: P255010

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T2U-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)  
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-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7912.5 lumens  
Efficiency: N/A  
Efficacy: 84.2 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

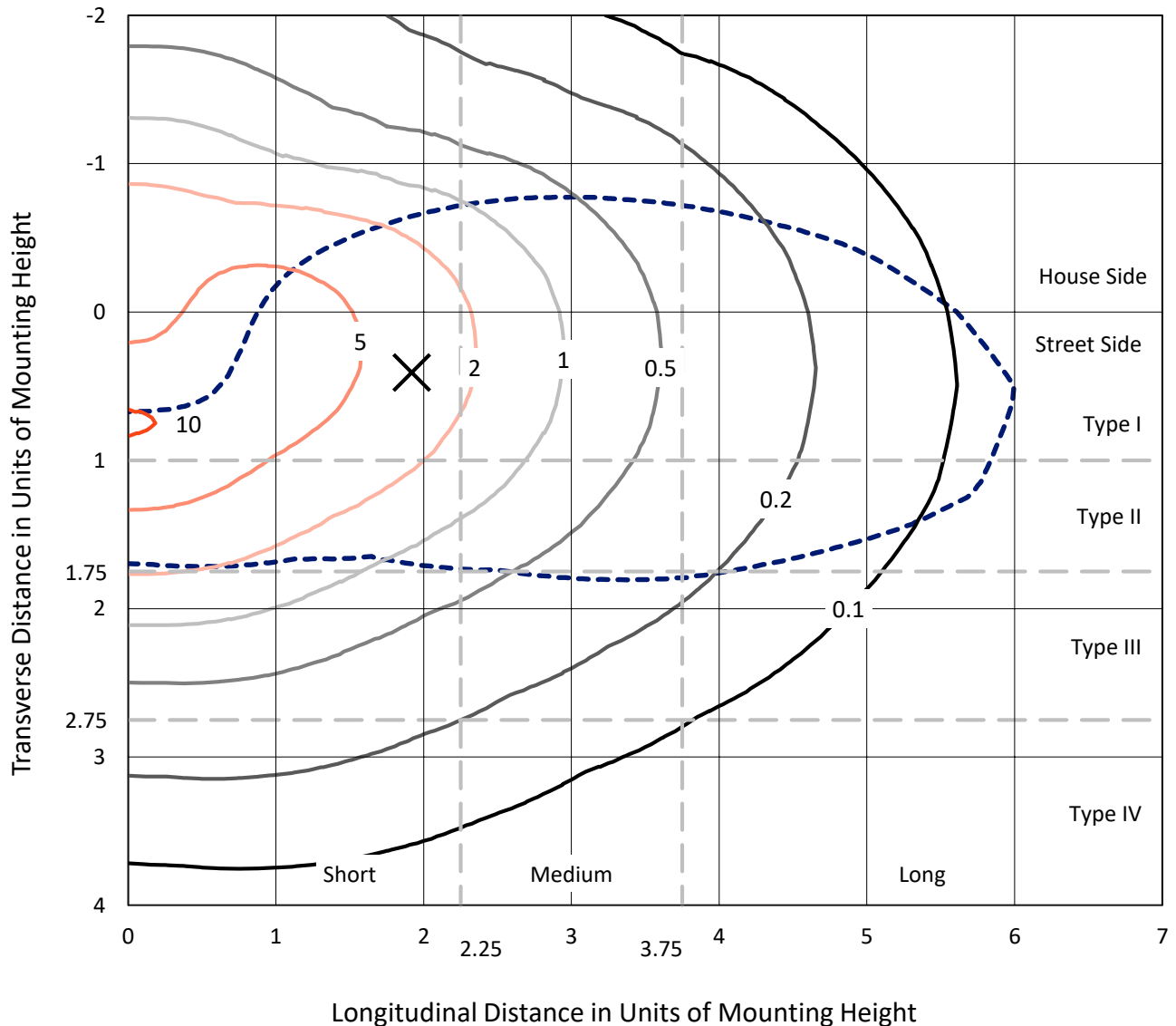


REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

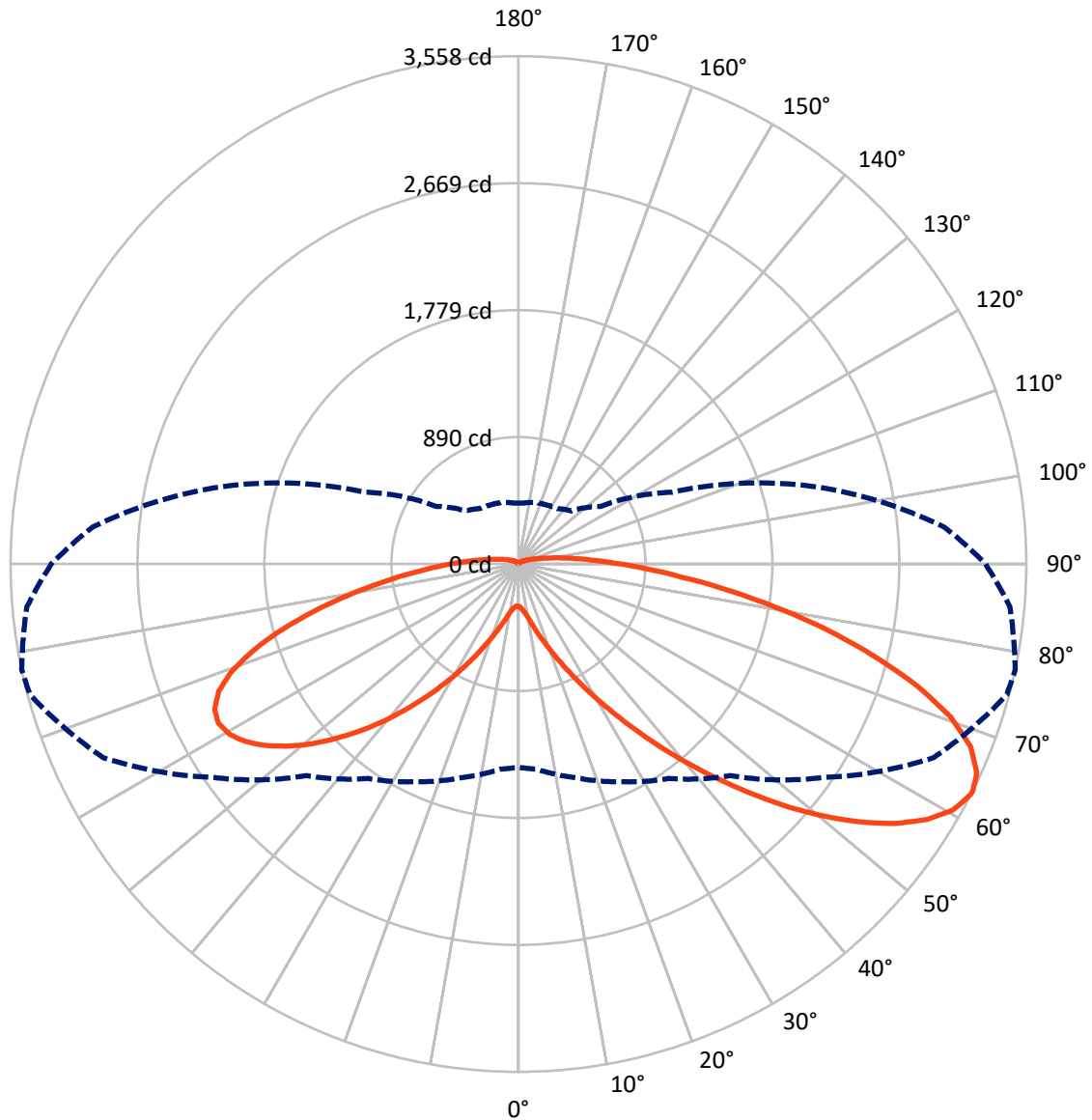


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical



REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

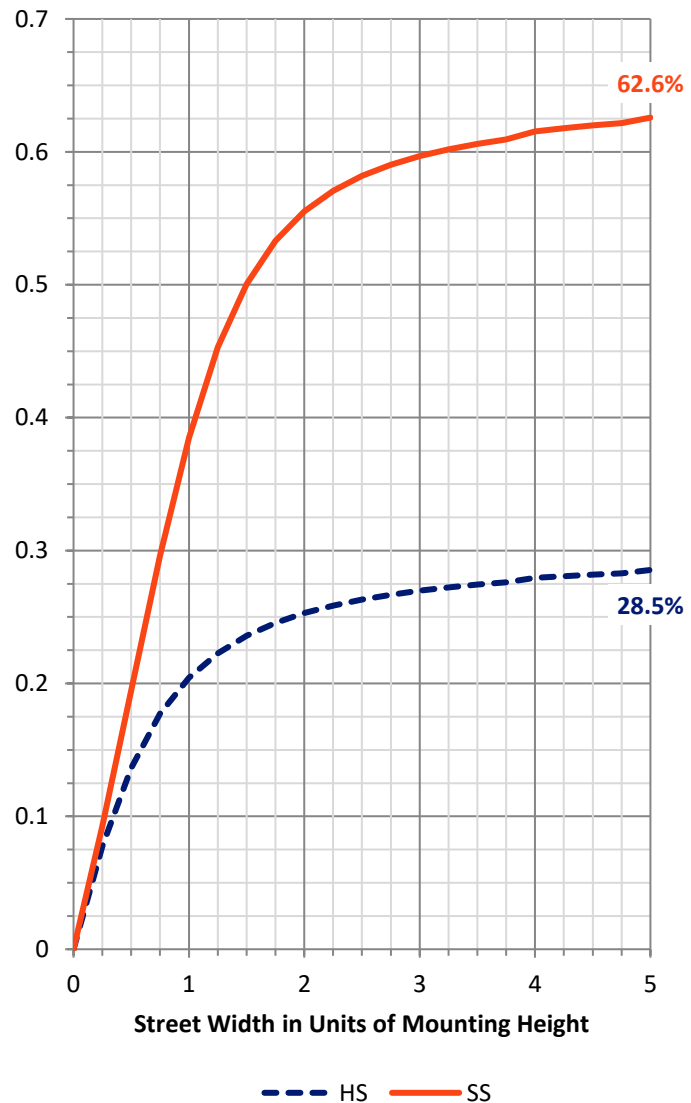
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2350.4	214.8	2565.3
	% Fixture	29.7	2.7	32.4
<b>Street Side</b>	Lumens	5081.2	266.1	5347.3
	% Fixture	64.2	3.4	67.6
<b>Total</b>	Lumens	7431.6	480.9	7912.5
	% Fixture	93.9	6.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.5	0.4
10°-20°	134.8	1.7
20°-30°	352.5	4.5
30°-40°	731.9	9.2
40°-50°	1232.8	15.6
50°-60°	1620.3	20.5
60°-70°	1604.4	20.3
70°-80°	1142.2	14.4
80°-90°	581.3	7.3
90°-100°	252.9	3.2
100°-110°	115.7	1.5
110°-120°	58.8	0.7
120°-130°	31.3	0.4
130°-140°	15.6	0.2
140°-150°	5.6	0.1
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7431.6	93.9
0°-180°	7912.5	100.0



REPORT NUMBER: P255010

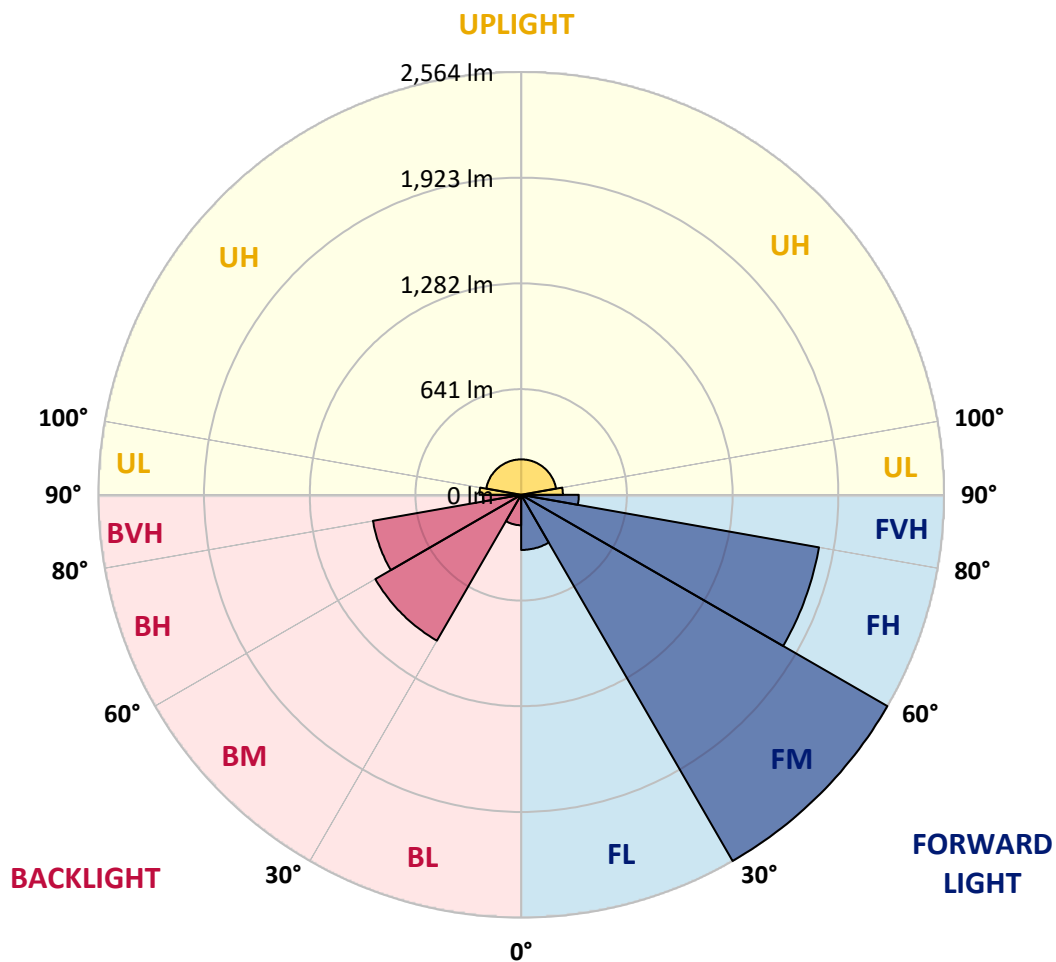
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.4	4.2			
FM (30°-60°)	2563.9	32.4			
FH (60°-80°)	1833.8	23.2			G2/5000
FVH (80°-90°)	349.1	4.4			G3/500
BL (0°-30°)	184.4	2.3	B1/500		
BM (30°-60°)	1021.0	12.9	B2/2500		
BH (60°-80°)	912.7	11.5	B2/1000		G2/1000
BVH (80°-90°)	232.2	2.9			G3/500
UL (90°-100°)	252.9	3.2		U3/500	
UH (100°-180°)	214.8	2.7		U3/500	

**BUG Rating: B2-U3-G3**

Type II Short





REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1
2.5°	328.6	329.5	329.5	327.7	325.7	321.9	318.1	313.3	306.6	305.7	300.9
5°	367.7	368.8	367.7	364.0	360.1	353.5	345.8	337.2	325.7	324.7	316.2
7.5°	415.5	416.5	415.5	408.8	402.2	392.6	382.1	369.7	353.5	350.6	339.1
10°	474.7	476.7	473.7	468.0	456.6	442.3	428.9	410.7	393.6	386.9	372.6
12.5°	550.2	550.2	544.4	535.9	521.5	503.3	486.2	464.3	445.1	435.6	420.3
15°	634.2	635.3	627.5	617.1	601.8	574.0	554.9	532.1	508.2	499.6	477.6
17.5°	730.7	732.7	723.1	707.8	686.8	659.1	635.3	608.5	580.8	566.4	543.6
20°	843.5	843.5	833.0	812.9	786.1	755.5	725.1	694.5	663.9	646.7	622.8
22.5°	971.5	971.5	959.1	932.3	894.1	860.6	827.2	792.7	759.4	741.3	710.7
25°	1119.5	1125.3	1101.4	1067.9	1025.0	978.1	944.6	904.5	868.3	848.2	814.7
27.5°	1286.6	1289.6	1260.0	1210.3	1154.9	1106.1	1068.9	1032.6	992.5	971.5	931.3
30°	1466.3	1460.5	1433.8	1374.6	1302.0	1242.8	1205.4	1172.1	1126.3	1110.0	1066.1
32.5°	1659.2	1655.4	1621.0	1539.8	1461.5	1389.9	1349.7	1328.7	1282.8	1264.6	1217.9
35°	1862.7	1856.0	1814.9	1729.9	1626.8	1548.4	1512.1	1501.5	1459.6	1441.4	1385.1
37.5°	2075.7	2060.4	2008.8	1900.9	1793.9	1710.8	1694.5	1679.4	1651.6	1632.5	1565.5
40°	2245.8	2239.0	2187.5	2074.8	1959.1	1889.4	1878.9	1889.4	1862.7	1840.7	1763.3
42.5°	2383.3	2378.5	2337.4	2226.6	2111.0	2047.0	2058.5	2092.9	2084.2	2062.3	1976.4
45°	2478.8	2473.9	2444.3	2348.8	2242.9	2196.0	2247.6	2310.7	2316.4	2298.3	2196.9
47.5°	2512.2	2509.3	2493.1	2423.4	2342.2	2330.7	2432.8	2532.3	2556.1	2540.9	2426.2
50°	2469.3	2471.1	2476.9	2445.3	2395.7	2428.2	2579.1	2743.4	2795.0	2777.8	2655.5
52.5°	2358.5	2365.1	2392.8	2403.2	2395.7	2478.8	2701.3	2934.3	3022.3	3003.2	2877.2
55°	2188.4	2198.0	2246.7	2301.1	2340.3	2474.9	2777.8	3095.9	3221.9	3208.6	3077.8
57.5°	1964.9	1983.9	2049.9	2146.4	2225.6	2415.7	2799.8	3206.6	3385.3	3375.7	3248.8
60°	1717.4	1733.7	1824.4	1950.5	2065.2	2300.1	2752.0	3254.4	3496.1	3498.9	3378.7
62.5°	1471.9	1490.2	1597.2	1727.9	1874.2	2134.0	2638.3	3225.8	3541.9	3556.3	3452.1
63°	1424.2	1442.3	1549.4	1683.1	1834.0	2096.6	2607.7	3209.5	3541.9	3558.1	3457.0
65°	1238.9	1256.2	1362.1	1501.5	1661.1	1934.3	2459.7	3114.0	3503.7	3528.5	3449.4
67.5°	1023.0	1041.1	1148.2	1285.8	1439.5	1705.1	2226.6	2917.2	3372.9	3417.7	3367.2
70°	840.6	859.7	957.1	1087.0	1230.4	1471.9	1960.1	2652.6	3162.7	3211.4	3192.3
72.5°	692.4	708.8	804.2	913.2	1041.1	1256.2	1686.9	2333.6	2861.8	2921.0	2932.5
75°	565.5	582.7	666.7	764.2	877.0	1057.4	1422.3	1996.3	2489.3	2571.4	2603.8
77.5°	461.4	477.6	552.1	637.1	732.7	880.7	1178.7	1662.1	2107.2	2206.5	2248.5
80°	376.4	391.5	452.8	530.1	611.3	730.7	965.8	1339.2	1728.9	1818.7	1862.7
82.5°	305.7	319.0	372.6	440.4	509.1	605.7	788.1	1071.8	1381.2	1456.8	1480.6
85°	246.5	258.0	305.7	364.9	423.2	497.6	637.1	847.3	1080.3	1139.6	1169.2
87.5°	196.7	206.3	249.3	300.9	350.6	418.4	515.8	675.3	835.9	879.7	898.8
90°	159.5	167.1	202.4	246.5	291.4	341.0	418.4	525.3	642.9	674.3	687.8
92.5°	129.9	135.6	167.1	203.4	243.5	288.5	341.0	415.5	494.8	515.8	524.5
95°	108.9	110.8	138.5	170.0	202.4	240.7	278.9	330.5	382.1	396.4	400.2
97.5°	88.8	91.7	115.6	144.2	172.0	200.6	228.3	264.6	297.0	305.7	306.6
100°	76.4	77.3	97.5	123.3	147.1	170.0	190.1	212.1	231.2	234.1	235.9
102.5°	64.9	65.9	83.1	107.0	127.1	146.2	161.4	173.8	181.5	182.5	182.5
105°	56.4	57.4	71.7	92.7	110.8	125.1	137.5	142.4	144.2	143.2	143.2
107.5°	50.6	50.6	63.1	81.2	97.5	109.8	117.5	118.4	115.6	113.6	113.6



REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	44.9	45.9	55.4	72.5	87.0	96.4	102.1	99.3	93.6	91.7	91.7
112.5°	41.1	42.1	48.7	64.0	76.4	86.0	88.8	84.0	76.4	74.6	75.5
115°	38.2	38.2	43.9	56.4	68.8	76.4	77.3	71.7	63.1	62.1	63.1
117.5°	35.3	35.3	39.2	50.6	61.1	67.8	67.8	61.1	53.5	51.6	52.6
120°	33.5	33.5	36.3	44.9	54.4	60.2	59.2	52.6	44.9	44.9	45.9
122.5°	31.5	31.5	33.5	40.1	48.7	53.5	52.6	44.9	38.2	38.2	39.2
125°	29.6	29.6	30.6	36.3	42.9	46.8	45.9	38.2	33.5	33.5	34.4
127.5°	27.8	27.8	28.6	32.4	38.2	41.1	39.2	32.4	29.6	29.6	30.6
130°	26.8	26.8	26.8	28.6	33.5	36.3	33.5	27.8	25.7	25.7	26.8
132.5°	24.8	24.8	24.8	25.7	28.6	30.6	28.6	23.9	23.0	23.0	23.9
135°	23.9	23.9	23.0	23.0	24.8	25.7	23.0	20.1	20.1	20.1	21.0
137.5°	22.0	22.0	21.0	20.1	21.0	21.0	19.1	16.3	17.2	17.2	18.1
140°	20.1	20.1	19.1	17.2	16.3	16.3	14.3	13.3	14.3	14.3	15.3
142.5°	17.2	17.2	16.3	14.3	12.4	11.5	10.5	10.5	11.5	11.5	12.4
145°	14.3	14.3	13.3	11.5	9.5	8.6	7.6	7.6	8.6	8.6	9.5
147.5°	11.5	11.5	10.5	8.6	6.7	4.8	4.8	5.7	6.7	6.7	6.7
150°	9.5	9.5	8.6	6.7	3.9	2.8	1.8	2.8	3.9	3.9	3.9
152.5°	6.7	6.7	5.7	3.9	2.8	1.0	1.0	1.8	2.8	2.8	2.8
155°	3.9	3.9	2.8	1.8	1.0	1.0	1.0	1.0	1.8	1.8	1.8
157.5°	1.8	1.8	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	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





REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1
2.5°	299.0	297.0	292.3	287.6	283.7	280.8	278.9	276.1	275.2	274.1	274.1
5°	311.4	306.6	298.1	289.4	281.8	275.2	269.4	264.6	261.6	259.8	260.8
7.5°	331.5	323.9	311.4	298.1	285.6	276.1	267.4	261.6	257.0	254.1	254.1
10°	363.0	352.5	333.3	314.2	299.0	284.6	274.1	265.5	259.8	257.0	257.0
12.5°	407.9	394.5	367.7	341.0	320.0	300.9	287.6	278.9	277.0	274.1	274.1
15°	461.4	445.1	412.7	378.2	349.6	323.9	312.4	304.8	299.9	296.1	296.1
17.5°	524.5	503.3	462.2	420.3	384.9	358.2	339.1	328.6	322.9	320.0	320.0
20°	597.0	571.2	520.6	468.0	424.2	395.4	369.7	353.5	347.7	344.8	343.8
22.5°	681.1	649.5	588.4	522.5	470.9	432.6	402.2	378.2	371.6	368.8	366.8
25°	781.3	746.0	664.9	584.5	520.6	468.0	430.8	404.0	394.5	391.5	390.7
27.5°	894.1	851.1	751.7	653.4	567.4	499.6	455.6	428.0	415.5	411.7	412.7
30°	1020.2	969.5	847.3	723.1	613.3	528.3	475.8	446.1	432.6	428.9	428.9
32.5°	1160.6	1093.6	951.4	796.6	656.2	552.1	492.9	462.2	446.1	443.3	443.3
35°	1315.4	1245.5	1064.0	871.2	694.5	571.2	505.4	474.7	457.6	453.8	453.8
37.5°	1493.0	1401.2	1183.5	942.8	726.9	585.5	513.9	482.4	465.2	459.4	459.4
40°	1673.6	1567.6	1307.8	1010.6	754.7	594.2	518.7	486.2	470.0	462.2	461.4
42.5°	1871.3	1738.6	1434.7	1072.7	773.8	599.0	519.6	489.1	471.9	462.2	460.4
45°	2076.6	1933.4	1552.2	1126.3	788.1	599.0	518.7	488.1	471.9	459.4	457.6
47.5°	2283.9	2121.5	1674.5	1171.0	794.8	596.0	516.8	487.2	470.9	455.6	453.8
50°	2499.8	2309.7	1790.1	1206.4	793.8	590.3	512.0	484.3	467.1	450.9	448.9
52.5°	2702.3	2482.6	1896.0	1231.3	788.1	581.7	506.3	481.4	464.3	446.1	444.1
55°	2899.0	2656.4	1987.8	1244.7	775.6	571.2	500.5	477.6	461.4	441.3	440.4
57.5°	3057.6	2802.6	2059.4	1243.7	757.5	557.9	493.9	472.9	457.6	438.4	436.5
60°	3187.5	2920.1	2105.3	1229.3	735.6	544.4	486.2	467.1	453.8	434.7	431.8
62.5°	3264.0	2985.9	2116.8	1198.8	708.8	529.2	475.8	458.5	447.1	429.8	426.9
63°	3272.6	2991.7	2113.8	1191.2	703.1	525.3	473.7	457.6	446.1	428.9	426.0
65°	3269.7	2989.8	2086.2	1152.0	678.2	510.1	464.3	448.9	439.4	423.2	420.3
67.5°	3195.2	2917.2	2007.8	1087.0	641.9	490.0	448.9	436.5	426.9	412.7	409.8
70°	3033.8	2762.5	1876.1	1005.8	601.8	467.1	429.8	420.3	410.7	397.3	393.6
72.5°	2795.0	2534.2	1699.3	918.9	559.7	440.4	408.8	399.3	391.5	380.2	373.4
75°	2483.6	2244.7	1494.8	821.5	513.9	412.7	383.1	375.5	365.8	355.3	349.6
77.5°	2121.5	1914.2	1279.0	721.2	467.1	381.1	355.3	346.8	338.1	326.6	319.0
80°	1755.7	1581.8	1065.1	623.8	420.3	347.7	324.7	317.2	306.6	294.2	286.6
82.5°	1408.1	1272.4	871.2	533.9	374.4	314.2	293.3	283.7	272.3	259.8	255.0
85°	1099.4	1000.2	702.1	452.8	329.5	280.8	261.6	252.2	237.8	223.6	217.8
87.5°	848.2	775.6	563.6	381.1	288.5	248.3	229.2	217.8	204.5	190.1	185.3
90°	650.5	600.8	450.9	321.0	251.2	215.9	200.6	190.1	174.9	160.5	156.7
92.5°	498.7	465.2	361.9	270.3	214.9	189.1	175.8	164.3	149.0	134.7	131.7
95°	383.1	361.1	292.3	226.3	186.3	165.2	153.8	141.4	126.0	112.7	109.8
97.5°	297.0	281.8	235.9	191.1	161.4	144.2	134.7	122.3	107.0	94.6	92.7
100°	230.2	220.7	192.0	160.5	140.4	126.0	116.6	106.0	91.7	78.3	78.3
102.5°	179.6	173.8	157.7	137.5	122.3	111.8	103.1	91.7	77.3	66.8	65.9
105°	142.4	139.5	129.9	117.5	107.0	98.4	90.8	79.3	65.9	56.4	56.4
107.5°	113.6	112.7	107.9	100.3	93.6	87.0	80.2	68.8	56.4	48.7	48.7



REPORT NUMBER: P255010

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	92.7	92.7	90.8	86.0	82.2	76.4	69.7	60.2	47.7	42.1	42.1
112.5°	76.4	77.3	76.4	74.6	72.5	67.8	62.1	51.6	41.1	37.2	37.2
115°	64.0	64.9	64.9	64.9	64.0	60.2	54.4	44.9	35.3	32.4	32.4
117.5°	54.4	55.4	56.4	56.4	55.4	52.6	47.7	39.2	30.6	28.6	29.6
120°	46.8	47.7	48.7	49.7	48.7	46.8	41.1	33.5	26.8	25.7	25.7
122.5°	41.1	42.1	42.1	42.9	42.9	41.1	36.3	28.6	23.0	23.0	23.0
125°	35.3	36.3	37.2	37.2	38.2	35.3	30.6	23.9	20.1	20.1	21.0
127.5°	31.5	31.5	31.5	32.4	32.4	30.6	26.8	20.1	17.2	18.1	18.1
130°	27.8	27.8	28.6	28.6	28.6	26.8	22.0	17.2	15.3	16.3	16.3
132.5°	23.9	24.8	24.8	23.9	23.9	23.0	18.1	14.3	13.3	14.3	14.3
135°	21.0	22.0	22.0	20.1	20.1	18.1	15.3	11.5	12.4	12.4	13.3
137.5°	18.1	19.1	18.1	17.2	16.3	15.3	12.4	9.5	10.5	11.5	11.5
140°	15.3	15.3	15.3	14.3	13.3	11.5	9.5	7.6	9.5	9.5	9.5
142.5°	12.4	12.4	12.4	11.5	9.5	8.6	6.7	6.7	7.6	7.6	7.6
145°	9.5	9.5	9.5	8.6	6.7	5.7	4.8	4.8	5.7	6.7	6.7
147.5°	6.7	6.7	6.7	5.7	3.9	2.8	2.8	3.9	4.8	4.8	4.8
150°	4.8	4.8	4.8	3.9	2.8	1.8	1.8	2.8	2.8	3.9	3.9
152.5°	2.8	3.9	3.9	2.8	1.8	1.0	1.0	1.8	1.8	1.8	1.8
155°	1.8	1.8	2.8	1.8	1.8	1.0	0.0	0.0	1.0	1.0	1.0
157.5°	1.8	1.8	1.8	1.8	1.0	1.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	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)