

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: P416535

Luminaire Tested: **LXF.LXT-PA1-70-830-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-830-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6201 lumens  
Efficiency: N/A  
Efficacy: 83.8 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: B1 - U3 - G3

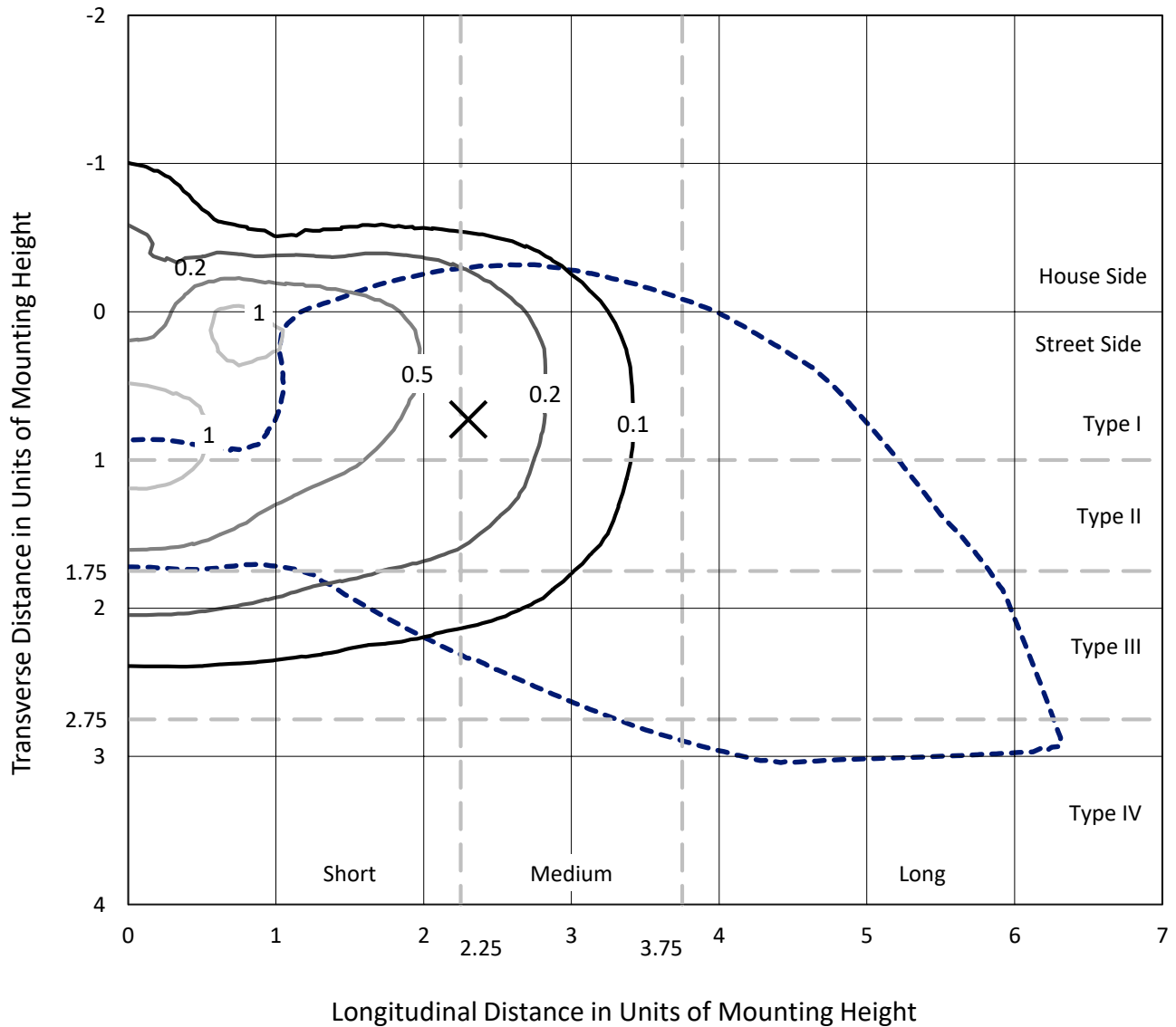
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

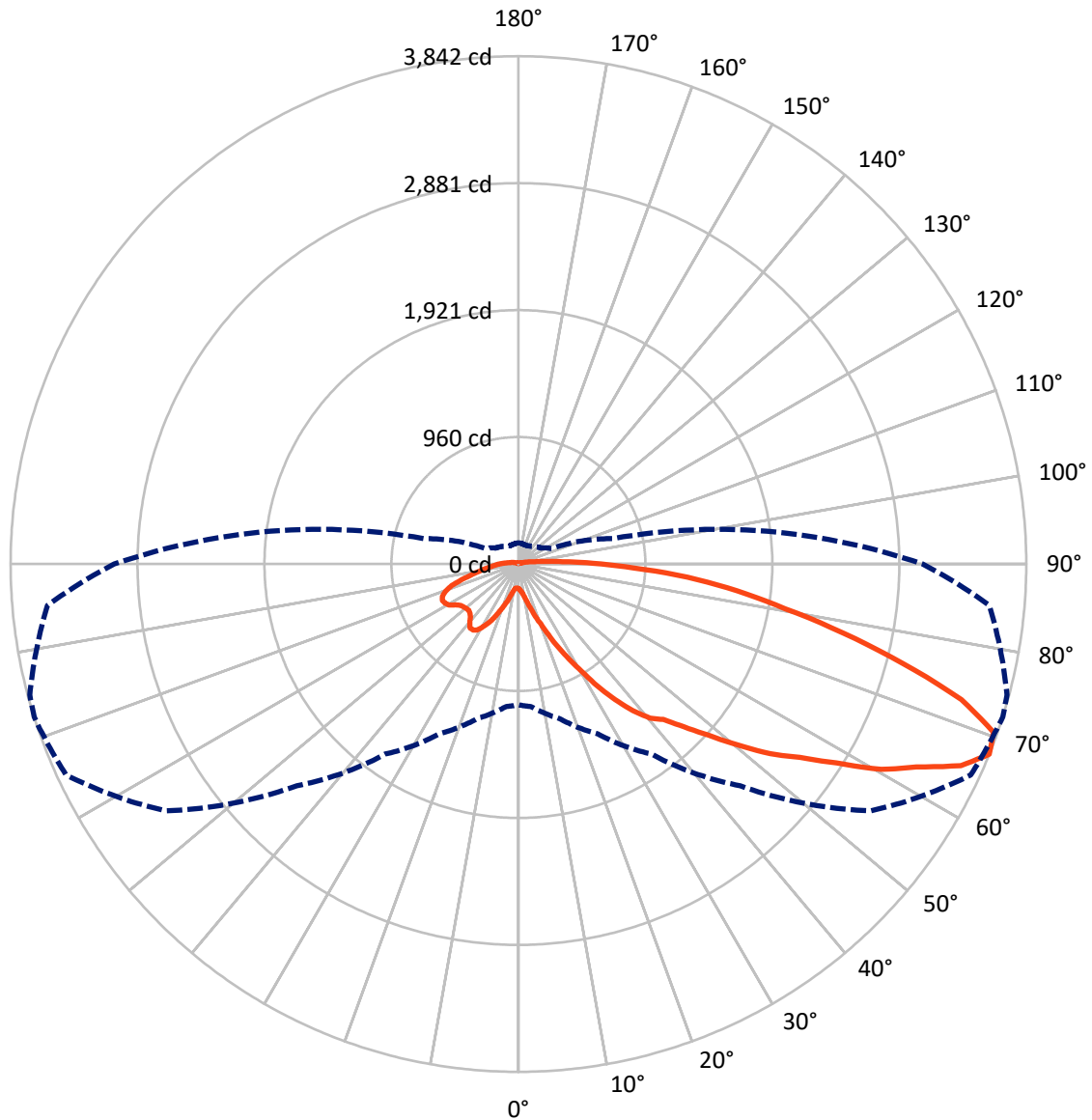
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1085.0	95.4	1180.4
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	4885.8	134.9	5020.6
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	5970.8	230.2	6201.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.4	0.3
10°-20°	83.7	1.3
20°-30°	231.9	3.7
30°-40°	498.7	8.0
40°-50°	844.0	13.6
50°-60°	1238.3	20.0
60°-70°	1476.9	23.8
70°-80°	1102.9	17.8
80°-90°	475.0	7.7
90°-100°	137.8	2.2
100°-110°	44.9	0.7
110°-120°	21.0	0.3
120°-130°	12.8	0.2
130°-140°	8.2	0.1
140°-150°	3.7	0.1
150°-160°	1.3	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-90°	5970.8	96.3
0°-180°	6201.0	100.0

**Coefficient of Utilization**



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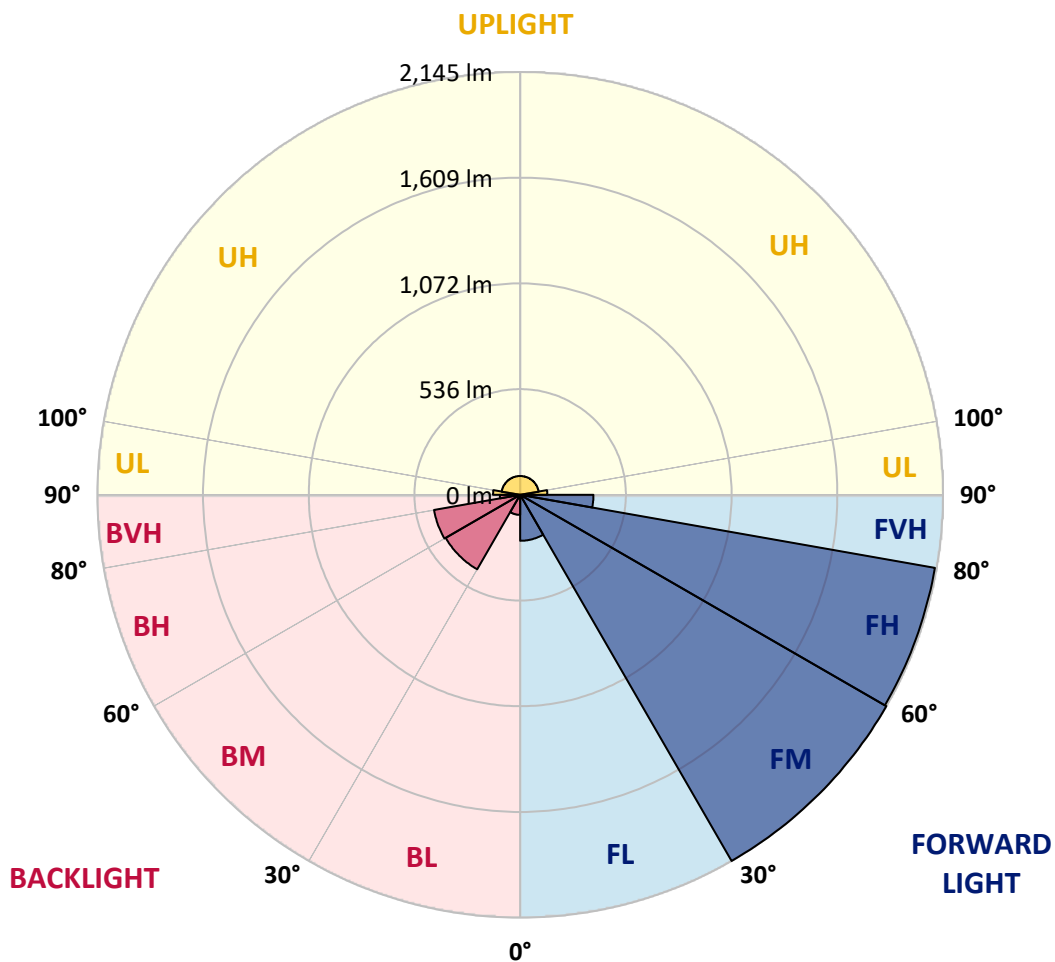
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.3	3.8			
FM	(30°-60°)	2144.7	34.6			
FH	(60°-80°)	2136.2	34.4			G2/5000
FVH	(80°-90°)	371.5	6.0			G3/500
BL	(0°-30°)	101.7	1.6	B0/110		
BM	(30°-60°)	436.3	7.0	B1/1000		
BH	(60°-80°)	443.6	7.2	B1/500		G1/500
BVH	(80°-90°)	103.4	1.7			G2/225
UL	(90°-100°)	137.8	2.2		U3/500	
UH	(100°-180°)	95.4	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	203.6	205.0	206.5	205.7	205.0	202.8	199.2	195.6	191.9	191.9	189.0
5°	232.6	231.9	231.2	231.9	228.3	223.2	217.4	210.8	205.7	204.3	197.0
7.5°	266.1	264.6	266.1	261.7	256.6	250.1	241.4	232.6	223.9	222.5	210.8
10°	306.1	304.6	303.9	300.3	290.8	281.4	272.6	258.8	252.3	250.1	234.8
12.5°	356.2	355.5	351.2	343.9	331.5	322.1	309.7	302.4	295.9	290.8	275.5
15°	413.7	415.1	410.0	394.8	379.5	365.0	359.2	353.3	348.2	346.1	333.0
17.5°	494.4	491.5	479.8	456.6	431.9	420.2	415.1	411.5	416.6	415.1	394.8
20°	594.0	586.7	568.5	528.6	498.0	479.1	474.8	481.3	484.2	491.5	477.7
22.5°	711.0	701.6	671.0	626.0	581.6	546.0	541.6	561.3	579.4	581.6	575.8
25°	825.2	816.5	789.6	730.7	671.0	623.8	613.6	657.2	693.6	700.1	708.1
27.5°	942.2	937.9	898.6	834.6	769.2	709.6	708.1	755.4	812.1	827.4	841.2
30°	1075.3	1085.5	1036.0	955.3	873.2	804.1	800.5	870.3	940.1	972.8	996.0
32.5°	1262.9	1254.1	1192.3	1102.2	980.0	899.3	904.4	985.9	1103.6	1131.3	1161.8
35°	1478.1	1481.0	1396.6	1256.3	1112.4	1012.8	1009.1	1122.5	1259.2	1282.5	1333.4
37.5°	1654.7	1669.3	1606.7	1445.3	1260.7	1132.0	1137.1	1264.3	1408.3	1454.8	1499.1
40°	1844.5	1857.6	1784.9	1627.8	1422.1	1263.6	1270.9	1394.4	1531.9	1569.7	1580.6
42.5°	2051.7	2064.8	1976.8	1790.7	1558.0	1422.1	1393.7	1488.2	1608.2	1655.5	1664.9
45°	2245.8	2268.3	2179.6	1960.8	1710.0	1564.6	1521.7	1598.0	1755.1	1798.7	1808.9
47.5°	2305.4	2332.3	2293.8	2114.9	1855.4	1687.4	1659.1	1765.2	1934.6	1999.3	1986.2
50°	2362.9	2387.6	2364.3	2205.8	1976.1	1829.9	1836.5	1960.1	2152.0	2234.9	2224.7
52.5°	2371.6	2397.0	2373.0	2261.8	2079.3	1973.9	2046.6	2192.7	2383.2	2443.6	2429.0
55°	2386.1	2402.8	2381.0	2255.3	2154.2	2127.3	2264.7	2431.2	2582.4	2654.4	2630.4
57.5°	2184.0	2190.5	2269.8	2236.3	2170.2	2297.4	2510.4	2660.9	2839.1	2946.7	2934.3
60°	1893.2	1907.0	2005.2	2082.2	2159.3	2418.8	2751.8	2979.4	3153.9	3224.4	3157.5
62.5°	1654.0	1669.3	1772.5	1871.4	2066.9	2472.6	3004.1	3264.4	3379.2	3443.2	3364.0
65°	1332.6	1344.3	1470.1	1664.2	1916.5	2451.5	3193.1	3561.0	3676.6	3702.0	3548.6
67.5°	1065.1	1082.5	1210.5	1417.7	1755.1	2371.6	3254.9	3774.7	3841.6	3826.4	3575.5
70°	792.5	801.2	957.5	1220.7	1563.8	2197.1	3196.0	3822.7	3812.6	3792.9	3449.0
72.5°	546.0	544.5	691.4	948.0	1364.6	1997.9	2921.9	3551.5	3503.6	3452.7	3017.2
75°	352.6	372.2	463.8	689.2	1103.6	1710.0	2567.1	3084.1	3002.6	2921.9	2485.7
77.5°	237.7	251.6	325.7	493.7	843.4	1438.1	2209.4	2648.6	2512.6	2439.2	2006.6
80°	163.6	169.4	226.1	362.8	627.4	1140.7	1809.6	2192.0	2043.7	1956.4	1557.3
82.5°	114.9	119.2	157.8	267.5	472.6	852.1	1444.6	1823.4	1667.8	1604.6	1209.8
85°	82.9	85.8	113.4	199.2	359.2	639.8	1099.3	1418.4	1283.2	1234.5	864.4
87.5°	61.8	64.7	85.8	147.6	276.3	486.4	820.1	1015.7	870.3	807.0	546.0
90°	45.8	48.7	66.2	110.5	215.9	366.4	594.0	694.3	564.9	511.8	348.2
92.5°	34.2	36.4	49.4	80.7	165.0	280.6	418.8	439.1	334.4	304.6	219.6
95°	25.4	26.9	37.1	58.9	117.8	204.3	274.1	256.6	197.0	178.8	138.9
97.5°	21.1	21.8	29.1	45.1	82.9	143.2	175.9	157.8	127.2	118.5	96.0
100°	17.4	18.2	23.3	34.2	60.3	98.1	116.3	102.5	88.7	85.1	74.9
102.5°	15.3	16.0	19.6	28.4	45.1	70.5	80.7	73.4	65.4	62.5	58.2
105°	13.8	13.8	17.4	24.0	37.1	53.1	58.9	53.8	48.7	47.3	46.5
107.5°	12.4	12.4	15.3	21.1	30.5	41.4	44.3	40.0	35.6	34.9	37.1
110°	11.6	11.6	13.8	18.9	26.2	34.2	34.9	29.8	26.9	26.9	29.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.9	10.9	13.1	16.7	23.3	28.4	27.6	23.3	21.1	21.1	24.7
115°	10.9	10.9	12.4	16.0	20.4	24.0	22.5	18.9	17.4	17.4	21.1
117.5°	10.9	11.6	12.4	15.3	18.9	21.1	19.6	16.0	15.3	15.3	18.9
120°	11.6	11.6	12.4	15.3	17.4	18.2	16.7	13.8	13.1	13.8	17.4
122.5°	11.6	11.6	13.1	15.3	16.7	16.7	14.5	12.4	12.4	12.4	16.0
125°	12.4	12.4	13.1	15.3	16.0	15.3	13.1	11.6	11.6	12.4	14.5
127.5°	13.1	13.1	13.8	15.3	15.3	13.8	12.4	10.9	10.9	11.6	14.5
130°	14.5	14.5	14.5	15.3	13.8	12.4	10.9	10.2	10.9	11.6	14.5
132.5°	14.5	14.5	14.5	14.5	13.1	10.9	10.2	9.5	10.9	11.6	13.8
135°	13.1	13.1	13.1	13.1	11.6	9.5	8.7	8.7	10.2	10.9	13.1
137.5°	11.6	11.6	11.6	10.9	10.2	8.7	7.3	7.3	8.7	9.5	11.6
140°	10.2	10.2	9.5	9.5	8.7	7.3	6.5	6.5	7.3	8.0	9.5
142.5°	8.0	8.0	8.0	8.0	7.3	5.8	5.1	5.1	6.5	7.3	8.0
145°	6.5	6.5	6.5	6.5	5.8	5.1	4.4	4.4	5.1	5.8	6.5
147.5°	5.1	5.1	5.8	5.8	5.1	4.4	2.9	3.6	4.4	4.4	5.1
150°	4.4	4.4	4.4	5.1	3.6	2.9	2.2	2.9	3.6	3.6	4.4
152.5°	3.6	3.6	3.6	3.6	2.9	1.5	2.2	2.9	2.9	3.6	3.6
155°	2.2	2.2	2.9	2.9	2.2	1.5	2.2	2.2	2.9	2.9	3.6
157.5°	1.5	1.5	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2	2.9
160°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
162.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
165°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
167.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
170°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
172.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
175°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
177.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	186.8	185.4	182.5	179.6	176.7	173.8	173.0	171.6	170.9	170.1	170.9
5°	194.1	189.8	183.2	176.7	170.9	165.8	162.1	158.5	155.6	154.1	154.1
7.5°	207.2	199.9	189.0	178.1	167.9	159.2	153.4	148.3	144.7	143.2	142.5
10°	227.6	218.8	202.8	185.4	170.1	157.0	148.3	142.5	138.9	136.7	136.7
12.5°	263.2	253.0	227.6	200.7	175.9	157.8	146.1	140.3	136.7	136.0	136.7
15°	319.2	303.2	266.1	227.6	189.8	159.2	144.7	142.5	144.0	144.7	144.7
17.5°	384.6	362.8	315.5	257.4	205.0	165.8	150.5	149.0	151.2	153.4	154.9
20°	458.0	429.7	361.3	285.7	215.2	175.2	156.3	153.4	158.5	162.9	162.1
22.5°	551.1	516.9	419.5	307.5	222.5	177.4	158.5	155.6	164.3	169.4	170.9
25°	673.2	624.5	487.8	330.8	226.8	174.5	157.0	157.8	170.9	181.0	183.2
27.5°	806.3	735.8	551.1	349.7	226.8	167.2	154.9	163.6	181.8	194.8	196.3
30°	951.7	853.5	606.3	364.2	220.3	159.9	152.7	166.5	184.7	198.5	199.9
32.5°	1106.5	975.7	663.8	369.3	210.8	154.1	150.5	164.3	179.6	191.9	194.8
35°	1244.0	1084.7	686.3	362.1	197.8	149.8	145.4	157.0	172.3	187.6	188.3
37.5°	1387.2	1188.7	696.5	341.7	184.7	145.4	141.0	151.9	170.1	188.3	190.5
40°	1448.2	1215.6	667.4	313.4	172.3	142.5	138.9	151.2	170.9	189.0	191.9
42.5°	1510.8	1241.8	631.8	272.6	164.3	141.8	141.0	151.2	167.2	181.8	183.9
45°	1617.6	1299.9	615.8	245.0	159.9	144.0	143.2	149.0	160.7	173.8	178.1
47.5°	1770.3	1387.9	607.8	227.6	159.9	147.6	145.4	146.9	154.1	165.8	169.4
50°	1965.9	1510.0	618.0	218.1	163.6	152.7	148.3	146.1	149.0	161.4	165.8
52.5°	2130.2	1627.1	630.3	216.7	169.4	159.2	152.7	146.1	148.3	162.9	167.9
55°	2302.5	1738.3	644.1	220.3	176.7	164.3	155.6	147.6	149.0	162.9	168.7
57.5°	2552.6	1927.4	679.8	228.3	183.9	170.1	159.2	149.8	148.3	159.2	163.6
60°	2780.9	2107.7	732.8	243.6	192.7	175.9	162.9	151.2	147.6	154.9	157.8
62.5°	2919.0	2205.1	753.2	258.1	201.4	181.0	164.3	151.2	149.8	156.3	158.5
65°	3061.5	2298.1	761.2	269.7	206.5	183.9	164.3	152.7	152.7	157.0	157.8
67.5°	3056.4	2277.8	742.3	275.5	210.8	185.4	164.3	152.7	154.1	158.5	159.2
70°	2922.7	2160.7	695.0	274.8	210.1	183.2	161.4	151.9	157.8	162.9	163.6
72.5°	2530.1	1857.6	618.7	266.1	203.6	177.4	157.0	150.5	159.2	166.5	166.5
75°	2075.7	1513.0	511.1	249.4	195.6	170.1	150.5	145.4	156.3	166.5	166.5
77.5°	1635.1	1184.3	414.4	227.6	183.9	161.4	142.5	136.7	149.0	158.5	157.8
80°	1270.1	897.9	333.0	205.7	170.9	151.9	133.0	126.5	137.4	144.0	142.5
82.5°	974.2	691.4	274.8	185.4	157.8	141.0	123.6	117.8	128.0	132.3	130.9
85°	665.2	495.1	225.4	162.9	141.0	128.0	114.1	109.8	121.4	126.5	125.0
87.5°	439.1	340.3	188.3	143.2	124.3	114.9	103.2	101.8	114.9	120.0	119.2
90°	290.1	237.7	159.9	124.3	108.3	100.3	93.1	93.1	104.7	109.1	106.1
92.5°	191.2	168.7	126.5	105.4	92.3	87.2	82.9	82.2	92.3	93.8	91.6
95°	130.1	118.5	98.9	87.2	77.8	74.9	71.2	72.7	79.2	77.8	75.6
97.5°	93.1	90.2	80.0	71.2	64.7	64.0	62.5	63.3	66.9	64.0	62.5
100°	74.2	72.0	66.2	59.6	55.3	54.5	53.8	54.5	56.7	53.8	52.3
102.5°	59.6	59.6	55.3	50.2	46.5	47.3	47.3	47.3	48.0	43.6	43.6
105°	48.0	48.0	46.5	42.2	40.0	40.0	40.7	40.7	40.7	37.8	37.8
107.5°	38.5	40.0	39.3	35.6	34.2	34.9	34.9	34.2	34.2	32.7	32.7
110°	31.3	32.7	32.7	30.5	29.8	30.5	29.8	29.1	28.4	28.4	28.4



REPORT NUMBER: P416535

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.2	27.6	28.4	26.9	26.2	26.2	25.4	24.7	24.7	25.4	25.4
115°	22.5	24.0	24.7	23.3	23.3	23.3	21.8	21.1	21.1	22.5	22.5
117.5°	20.4	21.1	21.8	21.1	20.4	20.4	19.6	18.2	18.2	19.6	20.4
120°	18.2	18.9	19.6	18.9	18.2	17.4	16.7	16.0	16.0	18.2	18.2
122.5°	16.7	17.4	17.4	16.7	16.0	16.0	15.3	14.5	14.5	16.0	16.7
125°	16.0	16.0	16.0	15.3	14.5	13.8	13.1	13.1	13.1	14.5	14.5
127.5°	15.3	15.3	14.5	13.8	13.1	12.4	12.4	11.6	11.6	13.1	13.8
130°	15.3	15.3	13.8	13.1	12.4	10.9	10.9	10.2	10.9	12.4	12.4
132.5°	14.5	14.5	13.1	12.4	10.9	10.2	9.5	9.5	9.5	10.9	11.6
135°	13.8	13.1	11.6	10.9	9.5	8.7	8.7	8.7	8.7	10.2	10.2
137.5°	12.4	11.6	10.2	9.5	8.7	8.0	7.3	7.3	8.0	8.7	9.5
140°	10.2	10.2	8.7	8.0	7.3	6.5	6.5	6.5	7.3	8.0	8.0
142.5°	8.7	8.7	7.3	6.5	5.8	5.1	5.8	5.8	6.5	7.3	7.3
145°	7.3	6.5	6.5	5.1	5.1	4.4	4.4	5.1	5.8	6.5	6.5
147.5°	5.8	5.8	5.1	4.4	3.6	3.6	3.6	4.4	5.1	5.1	5.8
150°	5.1	5.1	4.4	4.4	2.9	2.2	2.9	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	3.6	2.9	1.5	2.2	3.6	3.6	3.6	3.6
155°	3.6	3.6	3.6	2.9	2.2	0.7	2.2	2.9	2.9	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	1.5	0.7	1.5	2.2	2.2	2.2	2.9
160°	2.2	2.2	2.2	2.2	1.5	0.7	1.5	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	2.2	1.5	1.5	1.5
165°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
167.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
170°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
172.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
175°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
177.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)