

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: P416724

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-730-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7927 lumens  
Efficiency: N/A  
Efficacy: 95.5 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: B2 - U3 - G3

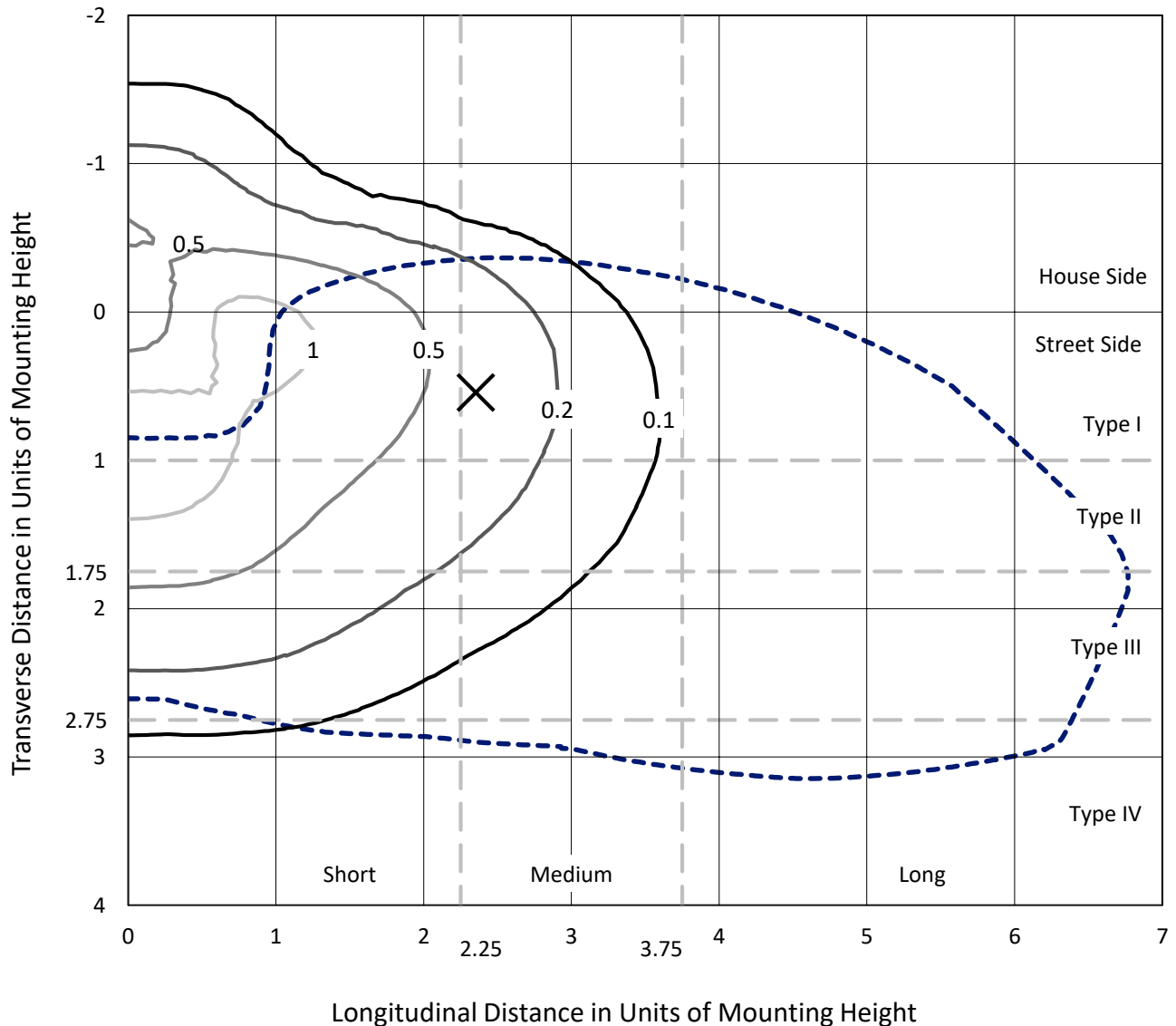
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

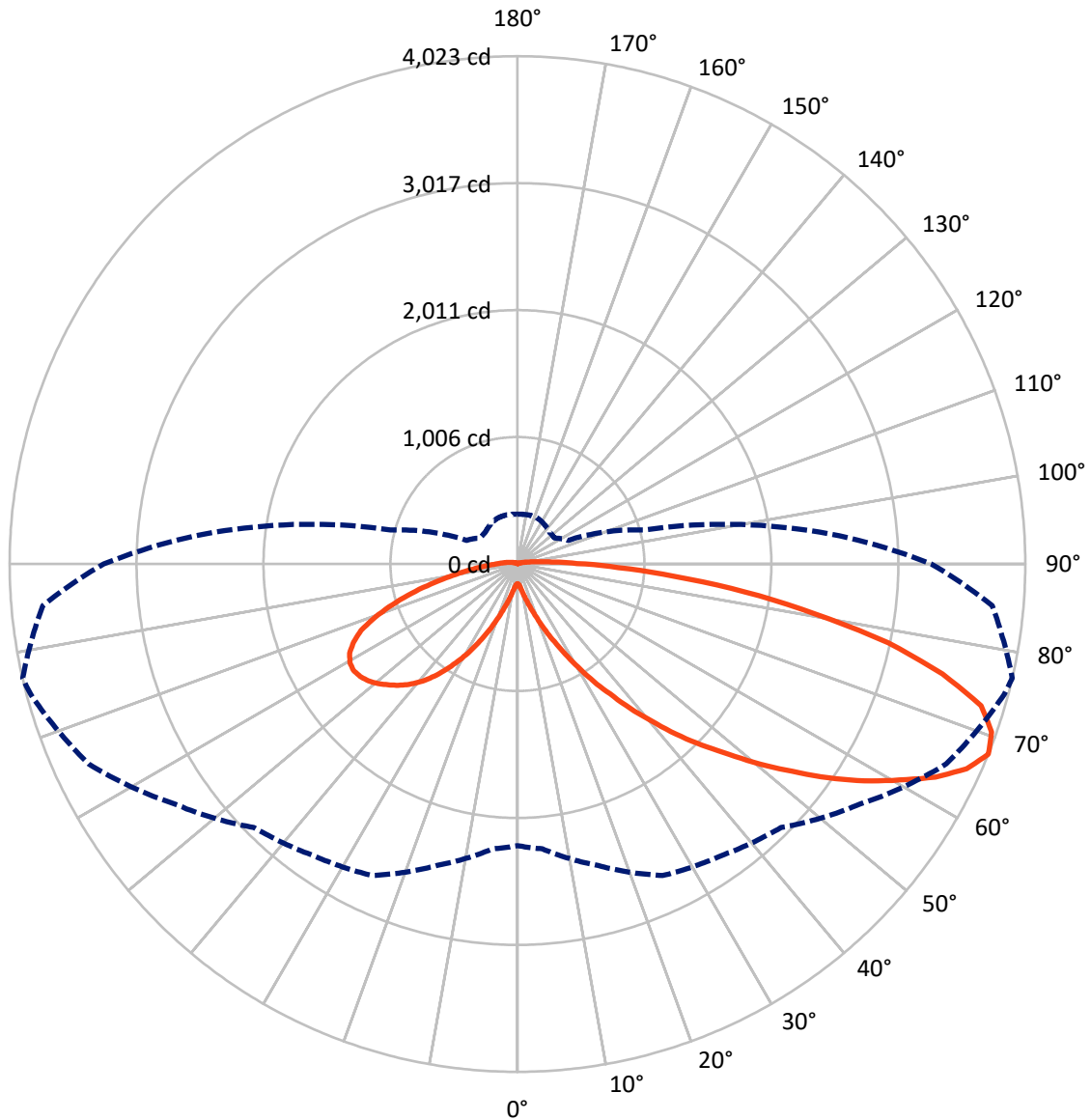
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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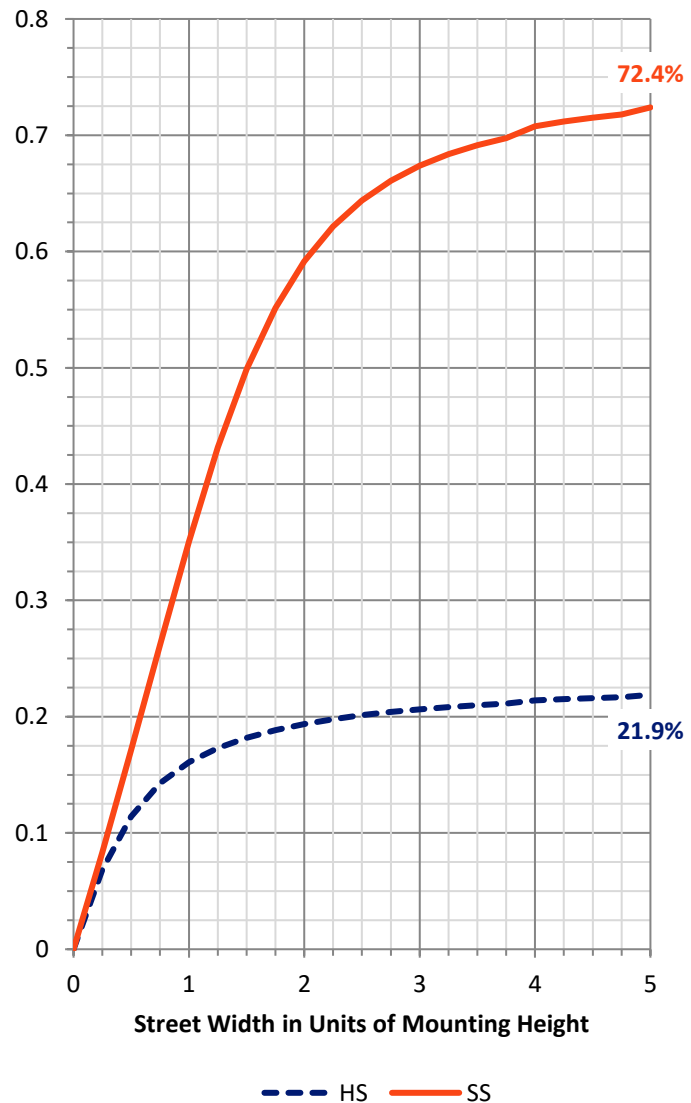
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1808.5	119.1	1927.5
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	5866.8	132.6	5999.4
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	7675.3	251.7	7927.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.1	0.2
10°-20°	92.0	1.2
20°-30°	274.7	3.5
30°-40°	608.4	7.7
40°-50°	1089.5	13.7
50°-60°	1631.7	20.6
60°-70°	1923.4	24.3
70°-80°	1468.4	18.5
80°-90°	569.2	7.2
90°-100°	145.1	1.8
100°-110°	54.9	0.7
110°-120°	25.8	0.3
120°-130°	13.8	0.2
130°-140°	7.6	0.1
140°-150°	3.4	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7675.3	96.8
0°-180°	7927.0	100.0



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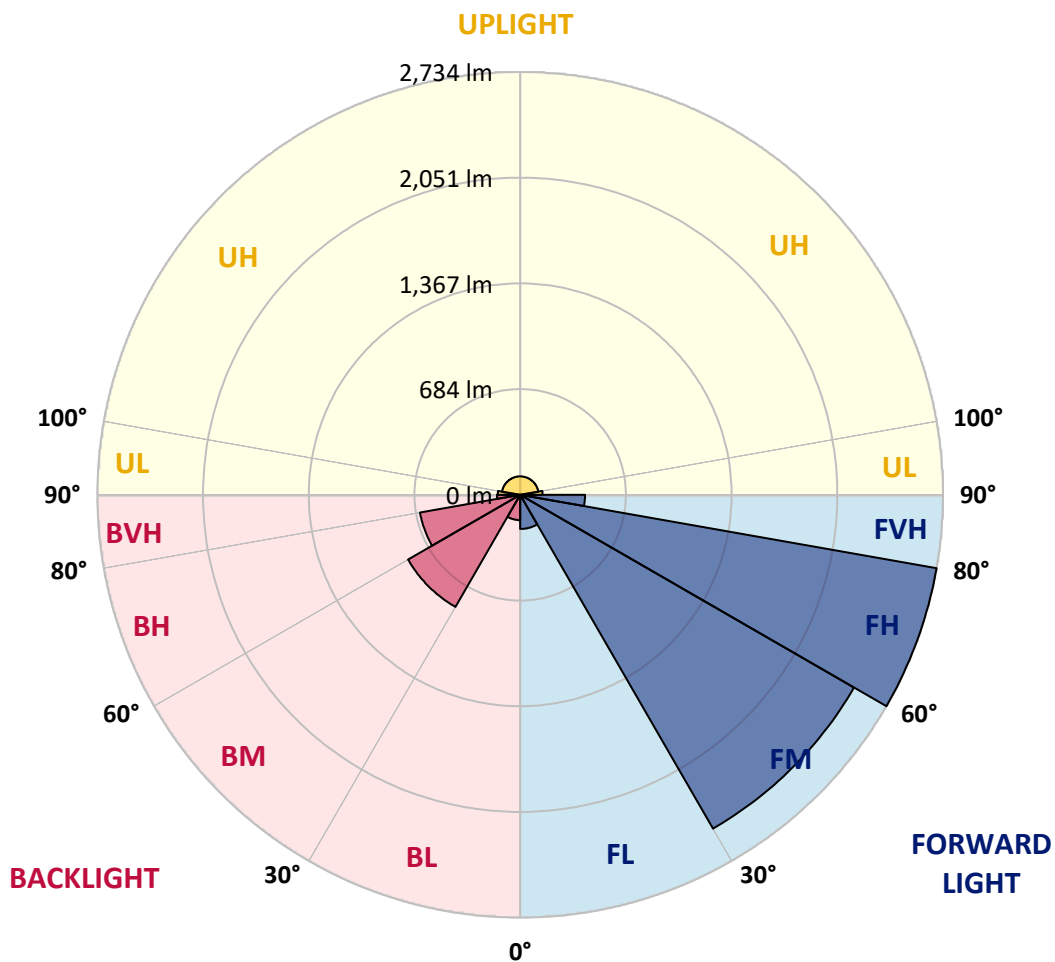
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.0	2.8			
FM	(30°-60°)	2492.4	31.4			
FH	(60°-80°)	2734.1	34.5			G2/5000
FVH	(80°-90°)	419.3	5.3			G3/500
BL	(0°-30°)	163.7	2.1	B1/500		
BM	(30°-60°)	837.1	10.6	B1/1000		
BH	(60°-80°)	657.6	8.3	B2/1000		G2/1000
BVH	(80°-90°)	150.0	1.9			G2/225
UL	(90°-100°)	145.1	1.8		U3/500	
UH	(100°-180°)	119.1	1.5		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7
2.5°	164.8	163.9	164.8	164.8	165.7	163.9	162.1	161.2	160.3	160.3	159.4
5°	182.1	180.3	181.2	182.1	181.2	179.4	176.7	175.8	173.9	173.9	172.1
7.5°	206.7	206.7	205.8	204.0	205.8	203.1	201.3	200.4	197.6	196.7	195.8
10°	244.1	242.2	241.3	239.5	237.7	236.8	233.1	233.1	228.6	230.4	227.7
12.5°	292.3	288.7	289.6	286.0	280.5	276.9	275.0	274.1	274.1	274.1	273.2
15°	350.6	347.9	347.0	338.8	333.3	328.8	325.1	326.0	330.6	331.5	327.9
17.5°	417.1	421.7	413.5	406.2	398.0	388.9	388.9	388.9	392.5	395.2	393.4
20°	510.0	500.9	491.8	479.9	466.3	459.0	455.3	466.3	472.7	477.2	475.4
22.5°	612.0	602.9	592.9	573.7	554.6	541.0	541.0	554.6	569.2	574.7	576.5
25°	727.6	733.1	708.5	679.4	644.8	632.9	634.8	654.8	676.6	681.2	692.1
27.5°	870.6	870.6	849.7	803.2	757.7	734.0	735.8	768.6	801.4	807.8	816.0
30°	1044.6	1038.2	1010.0	948.0	887.9	843.3	851.5	891.6	943.5	948.9	959.0
32.5°	1238.6	1237.6	1183.0	1106.5	1020.0	967.2	970.8	1029.1	1093.7	1109.2	1120.2
35°	1453.5	1458.9	1387.9	1276.8	1176.6	1105.6	1117.4	1183.9	1259.5	1263.1	1276.8
37.5°	1699.4	1696.6	1611.9	1490.8	1341.5	1265.9	1256.8	1346.9	1426.2	1449.8	1442.5
40°	1971.7	1942.5	1860.6	1710.3	1526.3	1425.2	1427.1	1520.0	1627.4	1634.7	1632.9
42.5°	2240.3	2227.6	2128.3	1925.2	1728.5	1609.2	1613.8	1703.0	1814.1	1842.3	1822.3
45°	2529.9	2498.0	2390.6	2181.1	1941.6	1812.3	1800.5	1900.6	2022.7	2044.5	2025.4
47.5°	2764.0	2743.9	2649.2	2426.1	2170.2	2004.4	1986.2	2109.2	2248.5	2250.3	2222.1
50°	2957.9	2947.9	2873.3	2675.6	2391.5	2219.4	2200.2	2322.3	2468.0	2491.7	2450.7
52.5°	3125.5	3109.1	3071.8	2876.9	2592.8	2403.3	2400.6	2534.5	2716.6	2727.5	2688.4
55°	3179.2	3189.3	3183.8	3046.3	2790.4	2585.5	2608.2	2788.6	2951.6	2989.8	2916.1
57.5°	3171.1	3171.1	3223.0	3160.1	2922.4	2750.3	2799.5	3017.1	3229.3	3241.2	3152.8
60°	3047.2	3049.9	3174.7	3192.0	3017.1	2891.5	3007.1	3249.4	3467.0	3474.3	3391.4
62.5°	2868.7	2862.3	3045.4	3132.8	3029.0	2975.3	3155.6	3452.5	3691.1	3715.7	3590.9
65°	2590.0	2601.9	2799.5	2973.4	2967.1	3007.1	3271.2	3635.5	3873.2	3908.7	3728.4
67.5°	2230.3	2264.9	2472.5	2722.1	2818.6	2951.6	3314.0	3747.5	3991.6	4022.6	3774.8
70°	1847.8	1839.6	2064.6	2377.8	2566.3	2809.5	3266.7	3752.1	3994.3	3984.3	3675.6
72.5°	1401.6	1436.2	1638.3	1957.1	2236.7	2539.9	3112.8	3635.5	3841.3	3839.5	3413.3
75°	996.3	1017.3	1195.7	1514.5	1847.8	2224.8	2805.9	3381.4	3532.6	3478.0	3033.5
77.5°	657.5	676.6	830.6	1121.1	1429.8	1828.7	2393.3	2937.9	3058.1	3001.7	2549.0
80°	408.9	418.0	534.6	765.0	1039.1	1417.0	1938.0	2402.4	2449.8	2392.4	1962.6
82.5°	243.2	250.4	334.2	490.9	740.4	1031.8	1460.8	1841.4	1856.9	1817.8	1415.2
85°	149.4	159.4	213.1	327.9	493.6	727.6	1018.2	1279.5	1290.5	1244.9	935.3
87.5°	97.4	102.9	144.8	213.1	332.4	487.2	682.1	851.5	826.9	798.7	591.0
90°	66.5	70.1	99.3	146.6	224.9	322.4	431.7	532.8	493.6	471.7	358.8
92.5°	46.4	50.1	72.9	105.6	155.7	215.8	280.5	318.7	302.4	292.3	225.9
95°	36.4	38.2	55.6	82.0	115.7	153.0	185.8	197.6	187.6	180.3	152.1
97.5°	29.1	31.0	46.4	66.5	90.2	113.8	129.3	133.0	122.9	119.3	105.6
100°	24.6	26.4	39.2	55.6	73.8	90.2	96.5	95.6	87.4	85.6	76.5
102.5°	21.9	22.8	34.6	48.3	62.8	72.9	76.5	71.9	63.7	62.8	57.4
105°	19.1	20.9	30.1	41.9	53.7	61.9	61.9	56.5	47.4	46.4	43.7
107.5°	18.2	18.2	26.4	36.4	46.4	51.9	51.9	45.5	37.3	35.5	33.7
110°	16.4	17.3	23.7	31.9	40.1	44.6	43.7	36.4	28.2	27.3	26.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.5	15.5	20.9	28.2	34.6	38.2	36.4	30.1	22.8	21.9	20.9
115°	14.6	14.6	19.1	25.5	31.0	33.7	31.0	24.6	18.2	17.3	18.2
117.5°	13.7	14.6	17.3	22.8	27.3	29.1	26.4	20.9	15.5	14.6	15.5
120°	13.7	13.7	16.4	20.0	23.7	25.5	22.8	17.3	12.7	12.7	13.7
122.5°	13.7	13.7	15.5	18.2	20.9	21.9	19.1	14.6	11.8	11.8	12.7
125°	12.7	12.7	14.6	16.4	19.1	19.1	17.3	12.7	10.0	10.0	11.8
127.5°	12.7	12.7	13.7	15.5	17.3	17.3	14.6	10.9	9.1	10.0	10.9
130°	11.8	11.8	12.7	13.7	15.5	14.6	12.7	10.0	8.2	9.1	10.0
132.5°	11.8	11.8	11.8	12.7	13.7	12.7	10.9	8.2	8.2	8.2	9.1
135°	10.9	10.9	11.8	11.8	11.8	10.9	9.1	7.3	7.3	7.3	8.2
137.5°	10.9	10.9	10.9	10.9	10.9	10.0	8.2	6.4	6.4	6.4	7.3
140°	10.0	10.0	10.0	9.1	9.1	8.2	6.4	5.5	5.5	5.5	6.4
142.5°	9.1	9.1	9.1	8.2	8.2	6.4	5.5	4.6	4.6	5.5	5.5
145°	8.2	8.2	8.2	7.3	6.4	5.5	3.6	3.6	4.6	4.6	5.5
147.5°	6.4	6.4	6.4	6.4	4.6	4.6	2.7	3.6	3.6	4.6	4.6
150°	5.5	5.5	5.5	5.5	3.6	2.7	1.8	2.7	3.6	3.6	3.6
152.5°	4.6	4.6	4.6	4.6	2.7	1.8	1.8	2.7	2.7	2.7	3.6
155°	2.7	2.7	3.6	2.7	1.8	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
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°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7
2.5°	158.5	159.4	158.5	157.6	157.6	156.6	156.6	156.6	156.6	155.7	155.7
5°	173.0	172.1	171.2	169.4	167.6	165.7	165.7	164.8	163.9	163.0	163.0
7.5°	193.1	193.1	191.2	188.5	185.8	184.0	182.1	181.2	178.5	178.5	177.6
10°	224.0	224.0	218.6	215.8	211.3	206.7	204.9	202.2	200.4	199.4	198.5
12.5°	268.7	265.9	260.5	251.4	242.2	235.0	230.4	228.6	229.5	229.5	230.4
15°	326.0	320.6	312.4	295.1	278.7	267.7	265.0	265.0	265.9	265.9	266.8
17.5°	394.3	386.1	367.9	346.1	322.4	307.8	301.4	301.4	303.3	306.0	308.7
20°	477.2	469.9	441.7	403.4	367.9	348.8	337.9	337.0	340.6	348.8	347.0
22.5°	571.0	562.8	520.9	465.4	416.2	385.2	373.4	377.0	386.1	391.6	391.6
25°	683.9	670.3	607.4	526.4	463.5	419.8	404.4	409.8	423.5	429.8	432.6
27.5°	805.1	786.8	703.1	592.9	500.9	448.1	431.7	439.0	455.3	465.4	468.1
30°	948.9	917.1	803.2	654.8	534.6	468.1	450.8	464.5	482.7	494.5	497.2
32.5°	1100.1	1050.9	889.8	707.6	559.2	481.8	464.5	480.8	500.9	514.5	515.5
35°	1251.3	1194.8	985.4	750.4	571.9	488.1	469.9	489.0	510.9	521.8	524.6
37.5°	1415.2	1336.9	1068.2	777.7	577.4	487.2	469.9	489.0	510.0	519.1	520.9
40°	1572.8	1476.2	1142.0	794.1	575.6	479.9	463.5	483.6	501.8	508.2	507.3
42.5°	1749.5	1611.0	1201.2	795.0	562.8	469.0	455.3	472.7	485.4	484.5	485.4
45°	1917.9	1754.0	1244.9	788.7	545.5	455.3	444.4	459.9	464.5	459.9	459.0
47.5°	2102.8	1896.1	1279.5	772.3	524.6	442.6	432.6	444.4	445.3	435.3	433.5
50°	2298.6	2038.1	1311.4	742.2	500.0	428.0	421.7	431.7	429.8	413.5	410.7
52.5°	2489.9	2182.0	1331.4	705.8	475.4	415.3	412.5	422.6	417.1	398.0	394.3
55°	2693.8	2315.0	1335.1	669.4	451.7	404.4	404.4	415.3	408.9	388.9	386.1
57.5°	2893.3	2454.3	1321.4	622.0	428.9	392.5	398.0	410.7	406.2	386.1	384.3
60°	3080.0	2559.1	1284.1	577.4	408.0	384.3	393.4	408.0	404.4	388.0	386.1
62.5°	3224.8	2628.3	1224.9	533.7	389.8	376.1	388.9	403.4	404.4	390.7	391.6
65°	3292.2	2628.3	1139.3	490.0	373.4	367.9	384.3	400.7	402.5	394.3	394.3
67.5°	3277.6	2560.9	1042.7	444.4	357.9	357.9	377.9	395.2	398.9	395.2	395.2
70°	3123.7	2378.7	910.7	408.0	342.4	346.1	367.9	386.1	391.6	392.5	391.6
72.5°	2873.3	2104.6	774.1	369.7	326.0	334.2	355.2	373.4	380.7	382.5	381.6
75°	2486.2	1786.8	640.2	337.9	308.7	318.7	340.6	356.1	364.3	367.9	366.1
77.5°	1998.1	1418.0	524.6	306.0	288.7	299.6	320.6	333.3	343.3	347.9	344.2
80°	1522.7	1055.5	417.1	274.1	264.1	275.9	294.2	307.8	316.9	318.7	316.0
82.5°	1081.0	748.6	334.2	244.1	237.7	247.7	264.1	273.2	284.1	283.2	277.8
85°	708.5	508.2	262.3	212.2	209.5	215.8	228.6	234.0	245.0	245.0	238.6
87.5°	460.8	337.0	206.7	178.5	181.2	186.7	193.1	197.6	202.2	203.1	197.6
90°	294.2	230.4	164.8	152.1	154.8	159.4	159.4	158.5	165.7	167.6	163.0
92.5°	193.1	163.9	136.6	129.3	131.1	132.1	132.1	128.4	134.8	135.7	132.1
95°	135.7	122.9	112.9	111.1	111.1	111.1	109.3	104.7	110.2	110.2	108.4
97.5°	102.0	95.6	94.7	94.7	94.7	93.8	91.1	89.2	91.1	91.1	90.2
100°	76.5	75.6	78.3	80.1	81.1	80.1	78.3	75.6	75.6	71.9	72.9
102.5°	58.3	60.1	65.6	68.3	68.3	68.3	67.4	63.7	61.9	58.3	57.4
105°	45.5	47.4	53.7	57.4	58.3	59.2	57.4	53.7	50.1	46.4	45.5
107.5°	35.5	38.2	43.7	48.3	50.1	50.1	49.2	45.5	41.0	36.4	36.4
110°	29.1	31.0	36.4	41.0	42.8	42.8	41.9	37.3	32.8	29.1	29.1



REPORT NUMBER: P416724

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.7	25.5	31.0	34.6	36.4	37.3	35.5	31.9	27.3	23.7	23.7
115°	20.0	21.9	26.4	29.1	31.0	31.0	30.1	26.4	22.8	20.0	20.0
117.5°	17.3	19.1	22.8	25.5	26.4	27.3	25.5	22.8	19.1	17.3	17.3
120°	15.5	16.4	20.0	21.9	22.8	22.8	21.9	19.1	16.4	15.5	15.5
122.5°	13.7	15.5	17.3	19.1	20.0	20.0	19.1	16.4	14.6	13.7	14.6
125°	12.7	13.7	15.5	17.3	17.3	17.3	16.4	14.6	12.7	12.7	12.7
127.5°	11.8	12.7	13.7	14.6	15.5	15.5	14.6	12.7	11.8	11.8	11.8
130°	10.9	11.8	12.7	12.7	13.7	13.7	12.7	10.9	10.9	10.9	10.9
132.5°	10.0	10.9	10.9	11.8	11.8	11.8	10.9	10.0	10.0	10.0	10.0
135°	9.1	9.1	10.0	10.0	10.0	10.0	9.1	9.1	9.1	9.1	9.1
137.5°	8.2	8.2	9.1	8.2	9.1	8.2	8.2	7.3	8.2	8.2	8.2
140°	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4	7.3	7.3	7.3
142.5°	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5	6.4	6.4	6.4
145°	5.5	5.5	5.5	4.6	4.6	3.6	4.6	4.6	5.5	5.5	5.5
147.5°	4.6	4.6	4.6	4.6	3.6	2.7	2.7	3.6	4.6	4.6	4.6
150°	3.6	4.6	4.6	3.6	2.7	1.8	1.8	2.7	3.6	3.6	3.6
152.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.9	1.8	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	1.8	1.8	1.8	1.8
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	0.9	0.9
160°	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.9	0.9	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)