

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: P416993

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-830-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6842 lumens  
Efficiency: N/A  
Efficacy: 82.4 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

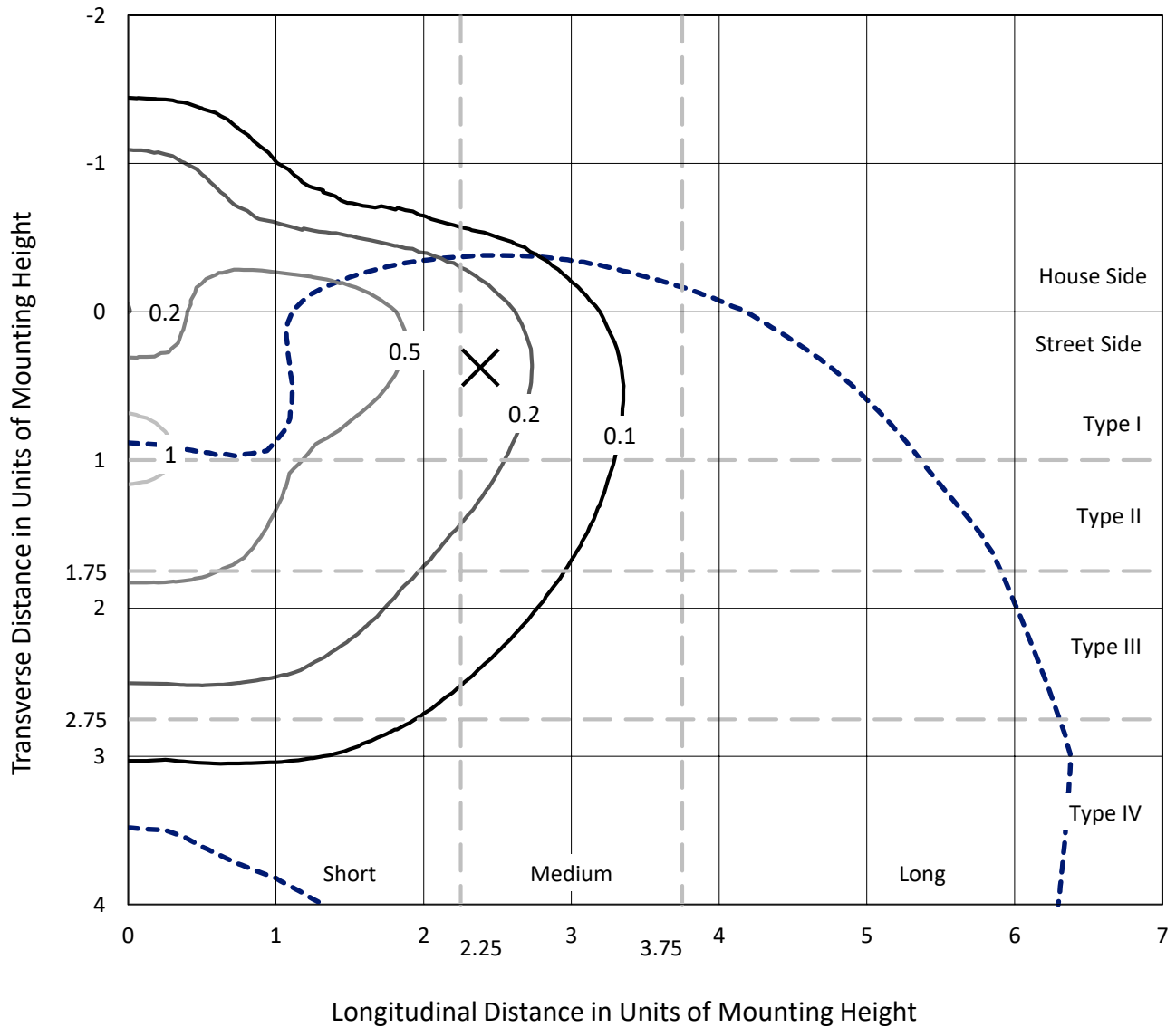


REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

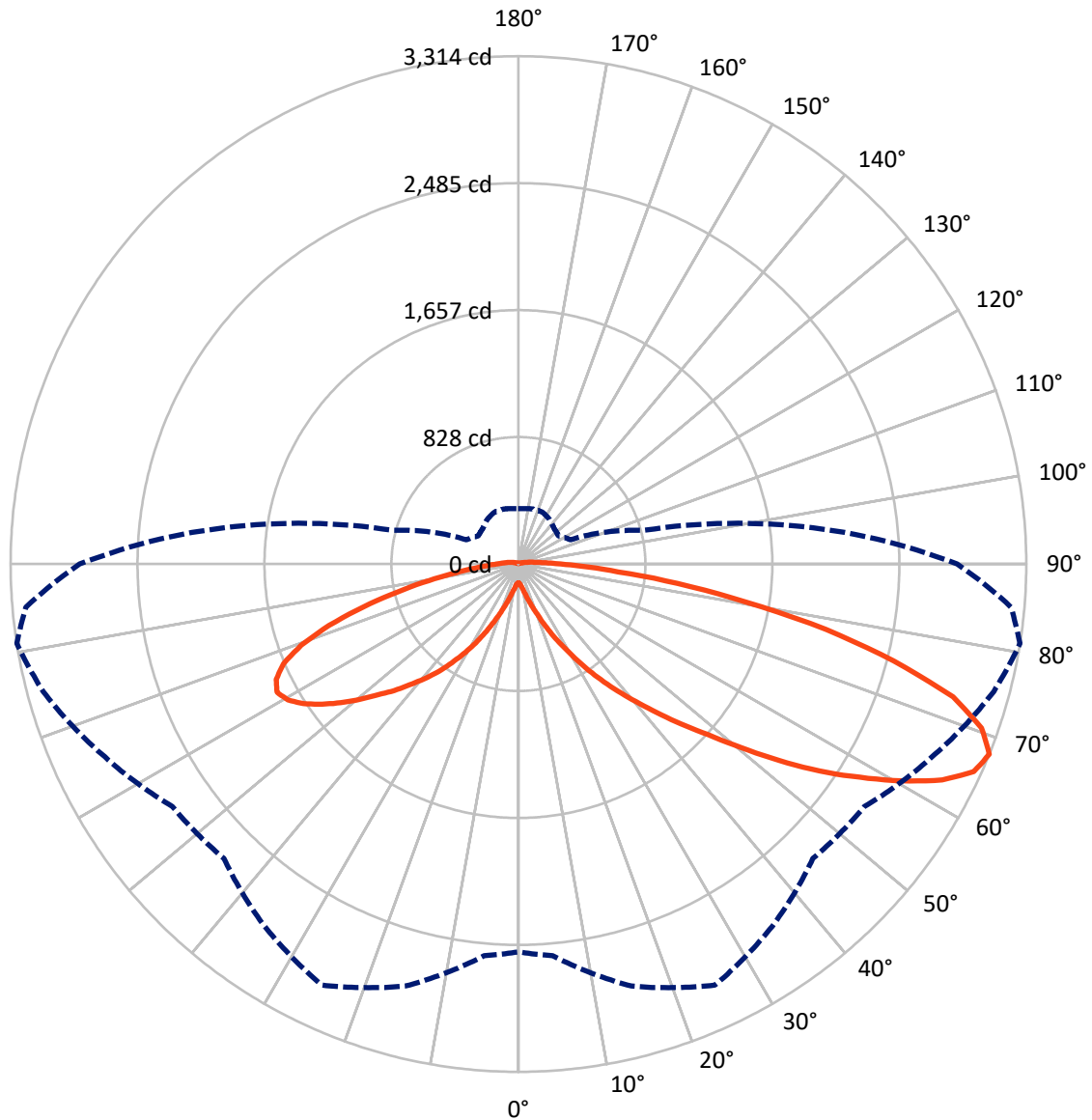


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1497.7	106.5	1604.2
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	5103.9	133.9	5237.8
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	6601.6	240.4	6842.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	70.6	1.0
20°-30°	210.7	3.1
30°-40°	457.4	6.7
40°-50°	802.0	11.7
50°-60°	1271.0	18.6
60°-70°	1715.2	25.1
70°-80°	1471.7	21.5
80°-90°	588.8	8.6
90°-100°	143.3	2.1
100°-110°	50.3	0.7
110°-120°	23.1	0.3
120°-130°	12.4	0.2
130°-140°	7.0	0.1
140°-150°	3.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6601.6	96.5
0°-180°	6842.0	100.0



REPORT NUMBER: P416993

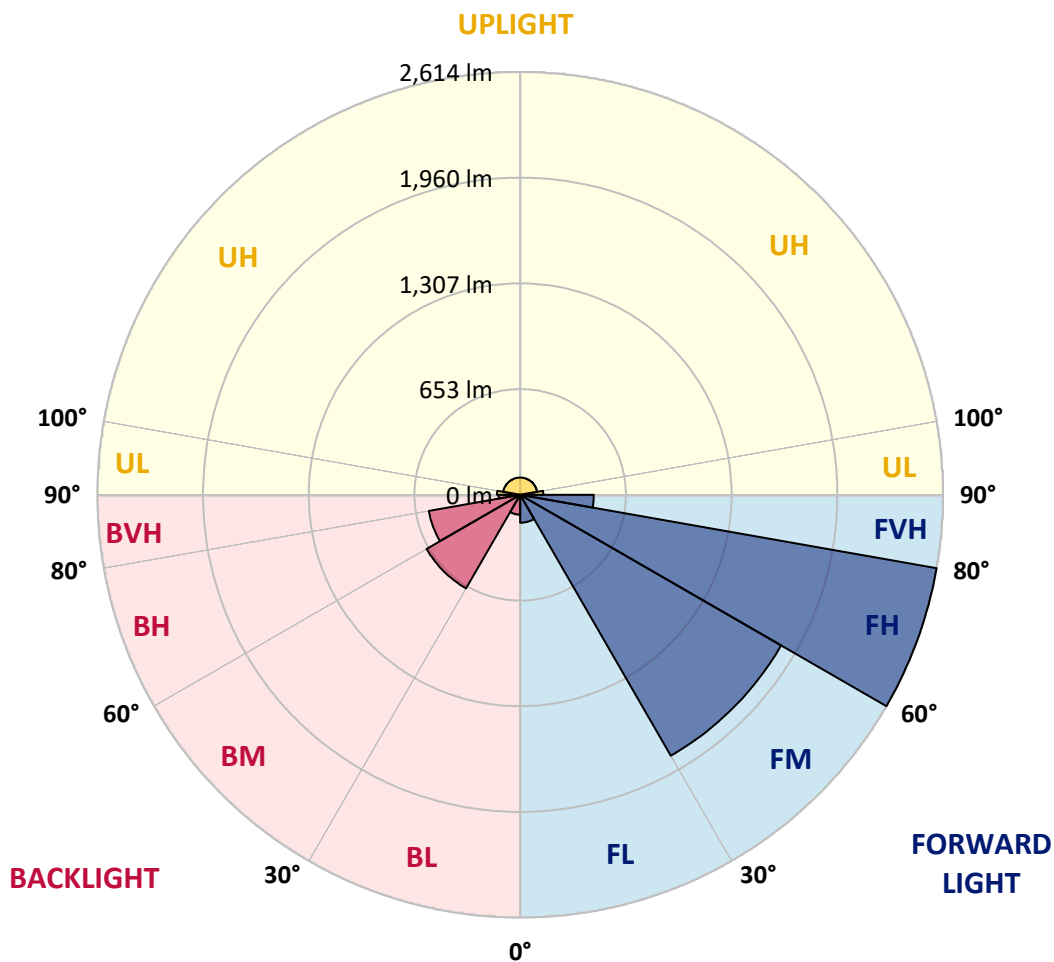
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.6	2.5			
FM	(30°-60°)	1862.3	27.2			
FH	(60°-80°)	2613.8	38.2			G2/5000
FVH	(80°-90°)	455.1	6.7			G3/500
BL	(0°-30°)	122.9	1.8	B1/500		
BM	(30°-60°)	668.1	9.8	B1/1000		
BH	(60°-80°)	573.0	8.4	B2/1000		G2/1000
BVH	(80°-90°)	133.7	2.0			G2/225
UL	(90°-100°)	143.3	2.1		U3/500	
UH	(100°-180°)	106.5	1.6		U3/500	

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

Type IV Medium





REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	134.3	133.5	133.5	134.3	134.3	134.3	131.9	129.5	127.1	126.3	125.6
5°	152.6	151.0	151.0	151.0	150.2	147.8	144.6	141.4	138.3	136.7	135.1
7.5°	176.4	175.6	174.8	172.4	171.6	167.7	162.9	158.1	153.4	151.8	150.2
10°	209.0	208.2	204.2	203.4	199.5	195.5	188.3	181.2	174.8	172.4	170.1
12.5°	250.3	250.3	244.7	238.4	233.6	225.7	219.3	210.6	205.8	202.6	199.5
15°	304.3	301.2	294.0	286.9	274.1	264.6	255.1	250.3	247.1	243.2	238.4
17.5°	363.9	360.0	353.6	339.3	322.6	309.1	300.4	295.6	294.0	291.6	286.1
20°	435.5	430.7	422.0	399.7	381.4	363.1	352.8	350.4	352.0	348.0	342.5
22.5°	520.5	517.3	499.0	471.2	445.8	420.4	410.8	412.4	415.6	421.2	418.0
25°	617.4	609.5	592.0	552.3	510.2	485.5	476.0	483.1	497.4	505.4	499.0
27.5°	730.3	725.5	690.5	638.9	584.1	550.7	543.5	564.2	588.8	595.2	595.2
30°	849.5	852.6	801.8	740.6	671.5	625.4	616.6	646.0	688.2	692.1	702.5
32.5°	1000.4	994.9	941.6	841.5	759.7	700.1	694.5	735.8	789.1	809.7	809.7
35°	1158.6	1153.0	1087.9	969.5	855.8	778.7	782.7	826.4	898.7	925.0	928.9
37.5°	1340.5	1322.3	1251.5	1104.5	960.7	870.1	863.0	928.9	1014.0	1051.3	1051.3
40°	1540.8	1530.5	1431.9	1257.9	1068.0	964.7	959.1	1035.4	1138.7	1180.0	1188.0
42.5°	1735.5	1722.0	1630.6	1406.5	1192.0	1064.8	1065.6	1149.0	1267.4	1324.7	1335.0
45°	1941.3	1928.6	1828.5	1589.3	1326.2	1188.8	1179.2	1283.3	1424.8	1488.3	1500.3
47.5°	2124.1	2115.3	2028.7	1771.2	1493.1	1321.5	1308.8	1428.8	1592.4	1663.2	1698.9
50°	2322.7	2311.6	2230.5	1965.1	1659.2	1462.9	1462.1	1590.9	1795.9	1881.7	1911.1
52.5°	2484.0	2471.3	2414.9	2159.8	1823.7	1628.2	1614.7	1772.8	2006.5	2129.6	2143.9
55°	2632.6	2627.9	2608.8	2368.8	2023.9	1790.3	1799.1	1986.6	2246.4	2385.5	2406.9
57.5°	2739.9	2746.3	2755.0	2578.6	2220.2	1971.5	1987.4	2201.1	2495.9	2625.5	2654.9
60°	2813.0	2835.3	2893.3	2761.4	2420.5	2169.4	2196.4	2413.3	2735.9	2874.2	2898.0
62.5°	2818.6	2842.4	2977.5	2932.2	2612.8	2372.0	2403.0	2631.8	2950.5	3103.8	3106.2
65°	2712.9	2745.5	2961.6	3024.4	2782.0	2565.9	2593.7	2826.5	3130.1	3265.9	3216.7
67.5°	2530.9	2565.1	2851.1	3032.3	2886.9	2716.9	2756.6	2977.5	3211.1	3313.6	3226.2
70°	2267.1	2300.5	2601.6	2912.3	2906.0	2805.9	2858.3	3039.5	3196.0	3206.3	3083.2
72.5°	1920.6	1917.5	2242.5	2650.1	2800.3	2798.7	2882.1	2992.6	3023.6	2965.6	2782.8
75°	1470.9	1512.2	1808.6	2271.1	2559.5	2672.4	2756.6	2798.7	2709.7	2530.1	2332.3
77.5°	1053.7	1087.9	1357.2	1790.3	2201.9	2410.1	2503.1	2483.2	2262.3	2051.7	1824.5
80°	697.7	717.6	942.4	1336.6	1775.2	2016.8	2128.8	2052.5	1772.0	1502.7	1306.4
82.5°	418.8	451.4	592.8	939.3	1316.7	1594.0	1662.4	1535.2	1265.1	1045.7	901.9
85°	253.5	260.6	368.7	600.7	919.4	1146.7	1211.8	1075.1	832.0	653.2	541.9
87.5°	142.2	155.0	228.1	391.0	618.2	796.2	819.3	708.0	522.1	405.3	339.3
90°	83.4	92.2	139.9	242.4	394.1	514.9	521.3	428.3	309.1	244.0	216.9
92.5°	53.2	59.6	93.0	155.7	253.5	334.5	325.8	264.6	197.9	162.9	140.7
95°	38.1	41.3	65.2	107.3	170.1	210.6	207.4	166.1	132.7	113.6	103.3
97.5°	28.6	31.8	50.9	78.7	114.4	141.4	138.3	110.5	92.2	83.4	79.5
100°	23.8	25.4	41.3	62.0	85.0	101.7	100.1	81.8	69.1	62.8	61.2
102.5°	20.7	22.2	34.2	50.1	67.5	78.7	75.5	63.6	52.4	46.9	45.3
105°	18.3	19.1	29.4	42.9	55.6	62.0	61.2	50.9	40.5	35.0	34.2
107.5°	16.7	17.5	25.4	36.6	46.9	52.4	50.9	41.3	31.0	27.0	26.2
110°	15.1	15.9	22.2	31.8	39.7	44.5	42.1	34.2	24.6	20.7	20.7



REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	14.3	14.3	19.9	27.0	34.2	38.1	35.8	27.8	19.1	16.7	17.5
115°	13.5	13.5	17.5	23.8	30.2	33.4	30.2	23.0	15.9	14.3	14.3
117.5°	12.7	12.7	15.9	21.5	27.0	29.4	26.2	19.9	13.5	11.9	12.7
120°	11.9	12.7	15.1	19.1	23.8	25.4	23.0	16.7	11.1	11.1	11.9
122.5°	11.9	11.9	14.3	17.5	21.5	22.2	19.9	14.3	10.3	10.3	10.3
125°	11.9	11.9	13.5	15.9	19.1	19.9	16.7	11.9	9.5	9.5	9.5
127.5°	11.9	11.9	12.7	15.1	16.7	17.5	15.1	11.1	8.7	8.7	9.5
130°	11.1	11.9	11.9	13.5	15.1	15.1	12.7	9.5	7.9	7.9	8.7
132.5°	11.1	11.1	11.9	12.7	13.5	13.5	11.1	8.7	7.2	7.9	7.9
135°	11.1	11.1	11.1	11.9	12.7	11.9	9.5	7.2	6.4	7.2	7.2
137.5°	10.3	10.3	10.3	11.1	11.1	10.3	8.7	6.4	6.4	6.4	6.4
140°	9.5	9.5	9.5	9.5	10.3	9.5	7.2	5.6	5.6	5.6	5.6
142.5°	8.7	8.7	8.7	8.7	8.7	7.9	6.4	4.8	4.8	4.8	4.8
145°	7.9	7.9	7.9	7.9	7.2	6.4	4.8	4.0	4.0	4.8	4.8
147.5°	6.4	6.4	6.4	6.4	6.4	5.6	4.0	3.2	4.0	4.0	4.0
150°	5.6	5.6	5.6	5.6	4.8	4.8	3.2	3.2	3.2	4.0	4.0
152.5°	4.0	4.0	4.0	4.8	4.0	3.2	2.4	2.4	3.2	3.2	3.2
155°	3.2	3.2	3.2	3.2	3.2	2.4	1.6	2.4	3.2	3.2	3.2
157.5°	1.6	2.4	2.4	2.4	2.4	2.4	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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





REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	125.6	124.8	124.0	123.2	122.4	122.4	121.6	120.8	120.0	119.2	119.2
5°	134.3	132.7	130.3	128.7	127.1	127.1	125.6	124.8	123.2	122.4	122.4
7.5°	147.8	147.0	142.2	139.9	137.5	136.7	135.1	133.5	131.9	131.9	131.9
10°	167.7	165.3	161.3	155.0	152.6	151.0	148.6	147.0	147.0	147.8	147.8
12.5°	197.9	191.5	185.9	177.2	172.4	169.3	167.7	168.5	172.4	174.0	172.4
15°	232.8	231.2	217.7	205.0	195.5	189.1	193.1	197.9	203.4	205.0	207.4
17.5°	281.3	275.7	257.5	239.2	221.7	218.5	223.3	231.2	237.6	242.4	246.3
20°	339.3	329.8	307.5	275.7	255.9	251.1	254.3	265.4	277.3	286.9	287.7
22.5°	412.4	398.1	358.4	318.6	289.2	281.3	285.3	302.8	320.2	332.2	331.4
25°	491.9	474.4	421.2	363.9	323.4	309.1	316.3	339.3	363.9	378.2	379.8
27.5°	580.9	563.4	489.5	407.6	354.4	333.0	344.9	371.1	404.5	422.0	425.1
30°	685.8	661.9	557.8	454.5	383.0	355.2	366.3	400.5	437.0	461.7	464.9
32.5°	794.6	757.3	626.2	492.7	402.9	369.5	382.2	422.0	464.1	491.1	495.9
35°	907.5	861.4	695.3	525.3	417.2	378.2	391.0	435.5	480.0	509.4	513.3
37.5°	1034.6	973.4	758.1	549.9	425.1	380.6	393.3	437.8	483.1	511.7	515.7
40°	1162.5	1080.7	810.5	565.0	425.9	378.2	388.6	431.5	474.4	499.0	503.0
42.5°	1300.0	1193.5	863.0	569.0	422.0	371.9	380.6	418.8	455.3	474.4	476.8
45°	1454.2	1323.9	907.5	565.8	410.8	362.4	368.7	401.3	429.9	438.6	442.6
47.5°	1617.1	1452.6	941.6	556.2	399.7	352.0	356.0	383.0	401.3	402.1	402.9
50°	1815.7	1609.1	983.8	542.7	384.6	342.5	344.9	366.3	375.1	371.1	369.5
52.5°	2033.5	1776.8	1010.8	521.3	371.1	333.7	336.1	352.8	356.0	347.3	348.0
55°	2270.3	1933.3	1033.8	500.6	356.8	328.2	333.0	346.5	346.5	335.3	334.5
57.5°	2491.2	2093.1	1044.1	474.4	344.9	324.2	332.2	345.7	344.1	333.7	333.0
60°	2704.9	2223.4	1031.4	449.0	336.9	322.6	336.9	351.2	349.6	340.9	340.1
62.5°	2852.7	2305.2	999.6	423.5	329.8	325.0	342.5	359.2	359.2	349.6	349.6
65°	2916.3	2295.7	934.5	398.1	324.2	326.6	350.4	367.9	366.3	358.4	356.8
67.5°	2863.1	2209.1	847.1	373.5	319.4	328.2	354.4	372.7	371.1	362.4	360.8
70°	2692.2	2027.1	741.4	351.2	313.1	325.8	356.0	371.9	369.5	361.6	358.4
72.5°	2352.1	1744.2	630.9	329.8	303.6	320.2	351.2	365.5	363.1	356.8	352.8
75°	1937.3	1406.5	521.3	305.9	291.6	309.9	340.9	353.6	350.4	344.9	340.9
77.5°	1481.2	1062.4	430.7	283.7	277.3	296.4	326.6	336.1	333.0	328.2	325.8
80°	1048.1	756.5	346.5	259.1	256.7	275.7	301.2	311.5	309.9	305.1	301.2
82.5°	689.7	503.0	276.5	231.2	232.8	252.7	271.8	277.3	276.5	272.6	267.8
85°	425.1	331.4	217.7	199.5	206.6	222.5	238.4	239.2	236.8	236.0	228.9
87.5°	271.0	226.5	170.8	169.3	179.6	193.1	200.2	197.1	198.7	198.7	193.1
90°	176.4	158.9	136.7	141.4	152.6	162.9	166.1	157.3	162.1	159.7	157.3
92.5°	127.9	118.4	111.2	117.6	128.7	138.3	136.7	127.1	129.5	129.5	128.7
95°	96.9	92.2	93.0	99.3	108.1	114.4	111.2	103.3	104.1	102.5	100.1
97.5°	76.3	75.5	78.7	83.4	91.4	95.4	92.2	85.0	84.2	81.8	81.1
100°	60.4	61.2	66.0	71.5	76.3	79.5	77.1	69.9	66.7	62.8	62.0
102.5°	46.9	48.5	54.8	59.6	64.4	66.7	64.4	58.8	53.2	49.3	48.5
105°	36.6	38.1	45.3	50.1	54.0	55.6	54.0	47.7	42.1	37.3	37.3
107.5°	28.6	30.2	37.3	42.9	45.3	46.9	44.5	39.7	33.4	29.4	29.4
110°	23.0	24.6	31.0	35.8	38.1	39.7	37.3	31.8	27.0	23.8	23.8



REPORT NUMBER: P416993

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.3	20.7	25.4	30.2	32.6	33.4	31.0	27.0	21.5	19.9	19.9
115°	15.9	17.5	21.5	25.4	27.8	27.8	26.2	22.2	17.5	16.7	16.7
117.5°	13.5	15.1	18.3	22.2	23.8	23.8	22.2	18.3	15.1	14.3	14.3
120°	12.7	13.5	15.9	19.1	20.7	20.7	19.1	15.9	12.7	12.7	12.7
122.5°	11.1	11.9	14.3	16.7	18.3	18.3	16.7	13.5	11.1	11.9	11.9
125°	10.3	11.1	12.7	14.3	15.9	15.9	14.3	11.9	10.3	10.3	10.3
127.5°	9.5	10.3	11.1	12.7	13.5	13.5	12.7	10.3	9.5	9.5	9.5
130°	8.7	9.5	10.3	11.1	11.9	11.9	10.3	8.7	8.7	8.7	8.7
132.5°	8.7	8.7	8.7	9.5	10.3	10.3	9.5	7.9	7.9	7.9	7.9
135°	7.9	7.9	7.9	7.9	8.7	8.7	7.9	7.2	7.2	7.2	7.2
137.5°	7.2	7.2	7.2	7.2	7.9	7.9	7.2	6.4	6.4	6.4	6.4
140°	6.4	6.4	6.4	5.6	6.4	6.4	5.6	5.6	5.6	5.6	5.6
142.5°	4.8	5.6	4.8	4.8	4.8	4.8	4.8	4.0	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.0	4.0	4.0	4.0	3.2	4.0	4.0	4.0
147.5°	4.0	4.0	4.0	3.2	2.4	3.2	2.4	3.2	3.2	3.2	3.2
150°	4.0	4.0	3.2	3.2	2.4	1.6	1.6	2.4	2.4	2.4	2.4
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
155°	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.4	2.4	2.4	1.6	0.8	0.8	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)