

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: P416988

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7150.1 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

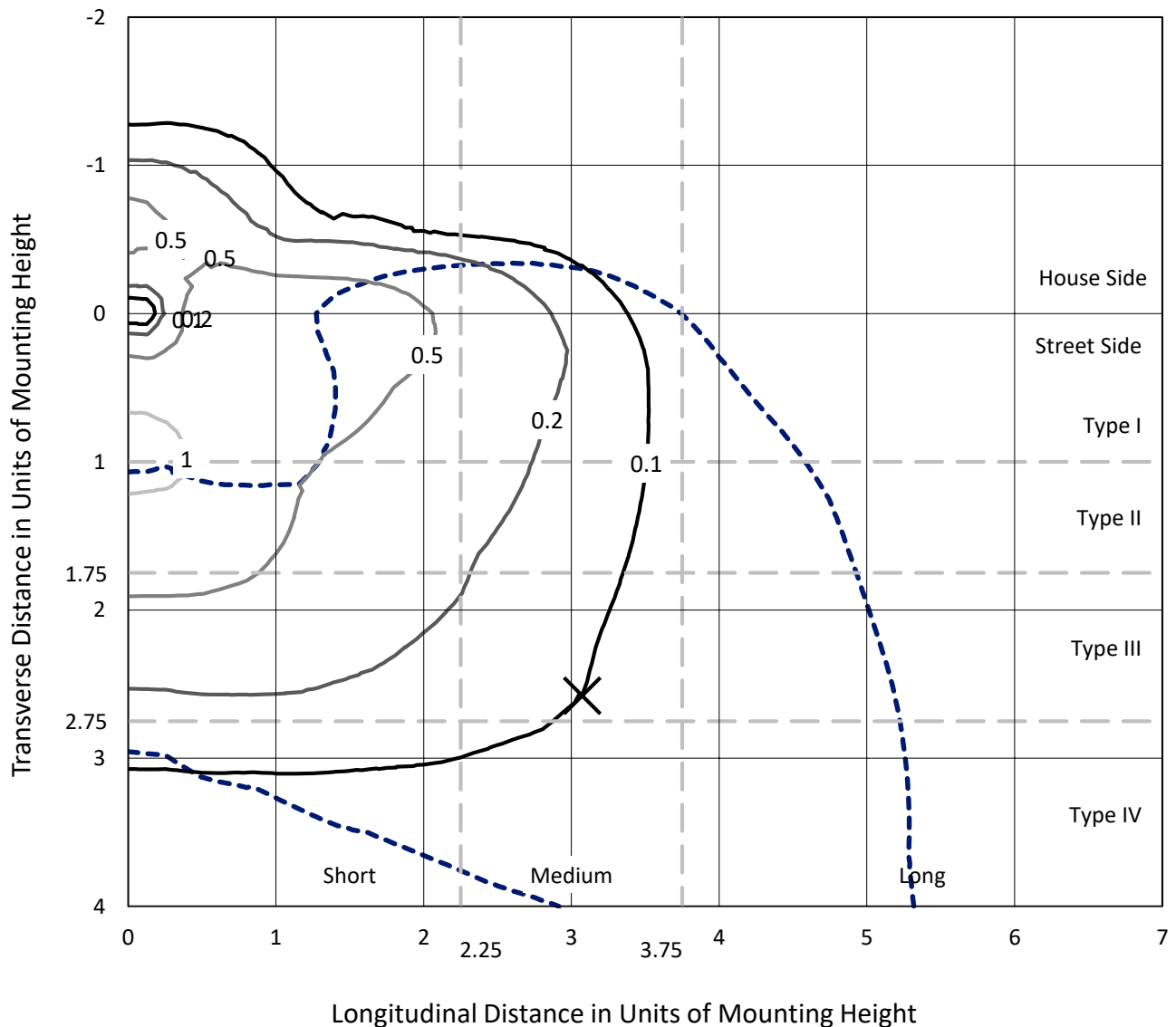


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

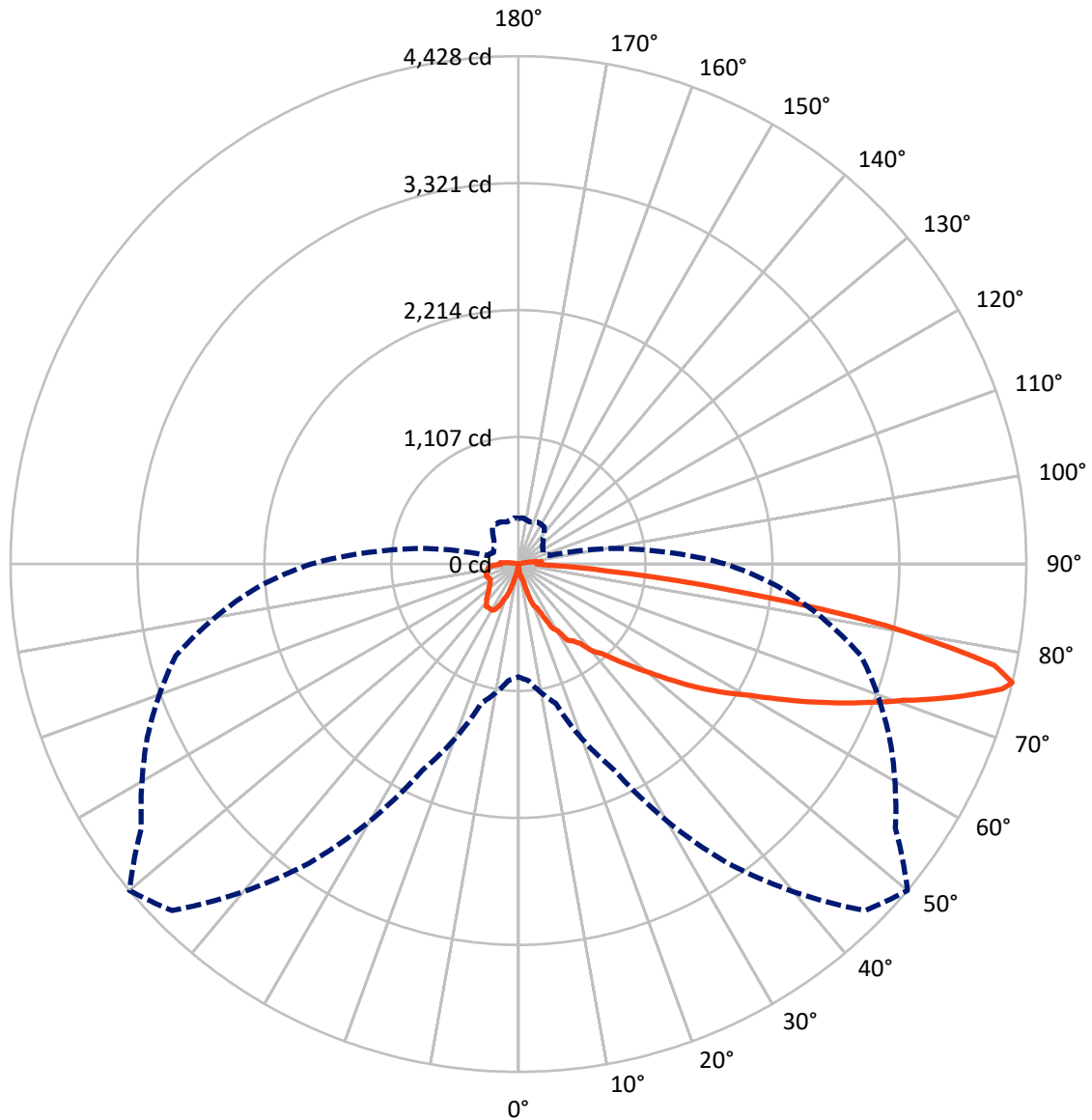


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical

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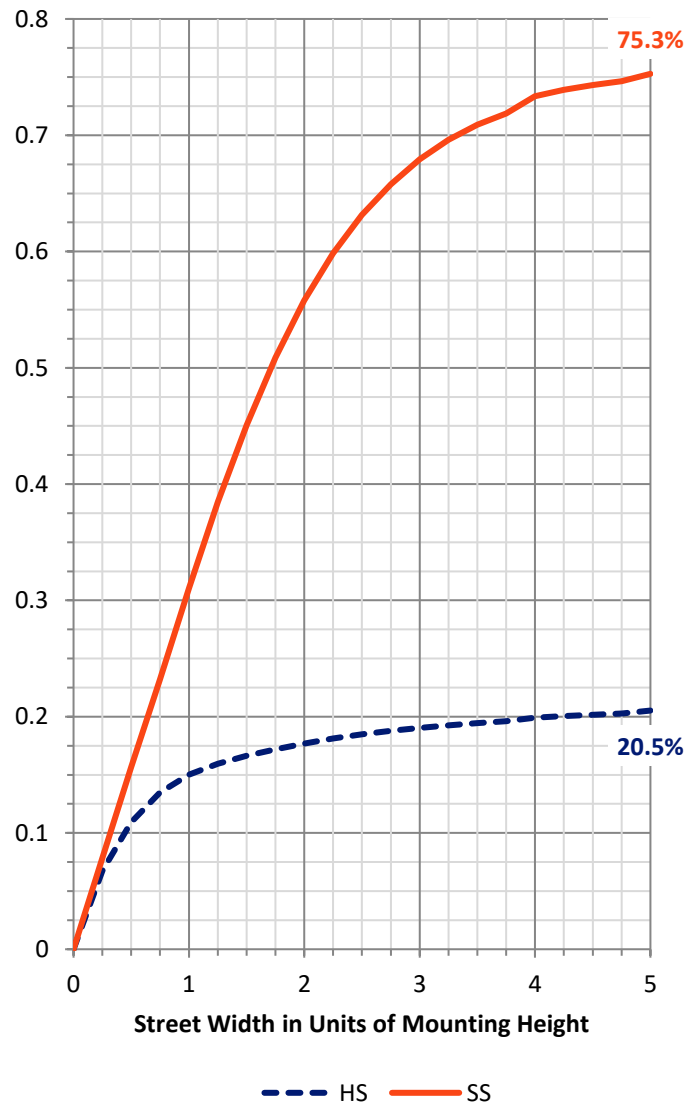
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1560.5	88.0	1648.5
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	5431.0	70.6	5501.6
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	6991.5	158.6	7150.1
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	59.7	0.8
20°-30°	233.2	3.3
30°-40°	502.0	7.0
40°-50°	817.9	11.4
50°-60°	1316.8	18.4
60°-70°	1918.1	26.8
70°-80°	1711.2	23.9
80°-90°	428.6	6.0
90°-100°	125.5	1.8
100°-110°	18.6	0.3
110°-120°	5.4	0.1
120°-130°	3.7	0.1
130°-140°	2.5	0.0
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6991.5	97.8
0°-180°	7150.1	100.0



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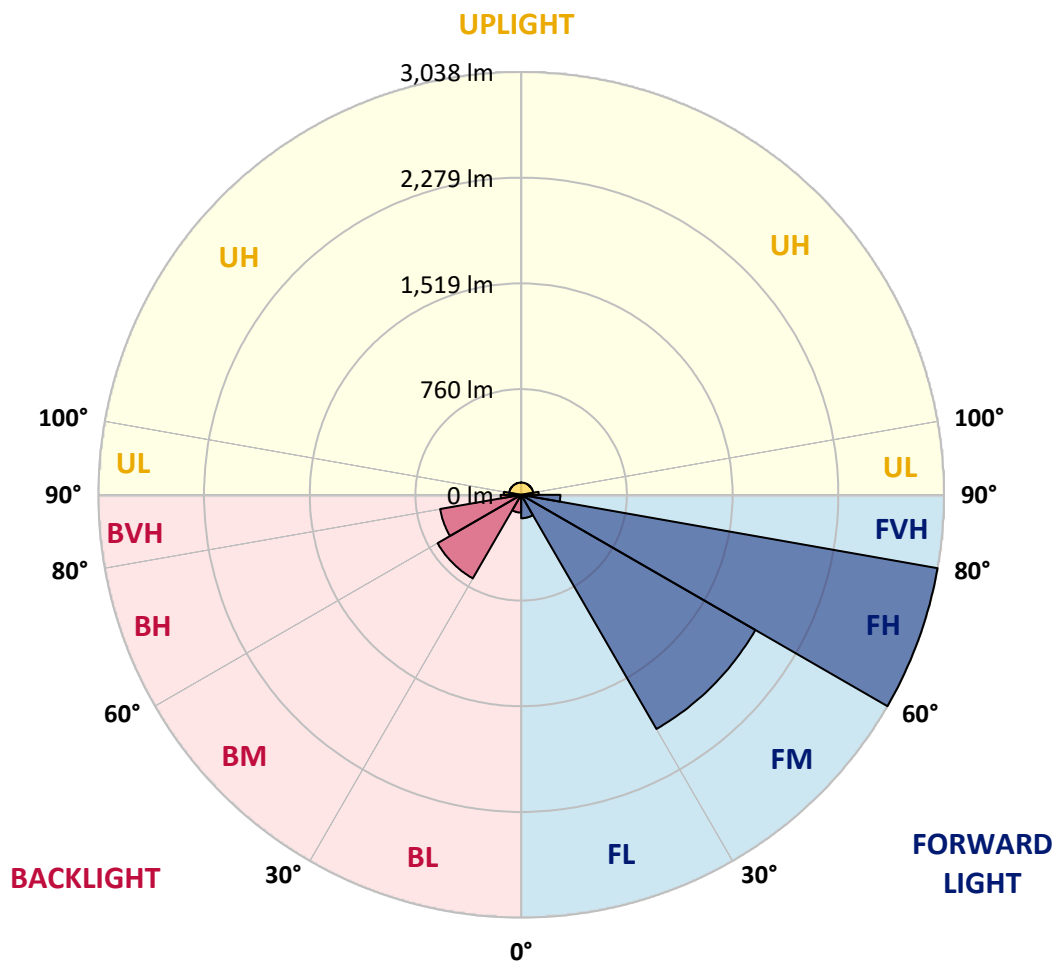
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.6	2.4			
FM (30°-60°)	1942.9	27.2			
FH (60°-80°)	3038.0	42.5			G2/5000
FVH (80°-90°)	281.4	3.9			G3/500
BL (0°-30°)	128.3	1.8	B1/500		
BM (30°-60°)	693.9	9.7	B1/1000		
BH (60°-80°)	591.2	8.3	B2/1000		G2/1000
BVH (80°-90°)	147.2	2.1			G2/225
UL (90°-100°)	125.5	1.8		U3/500	
UH (100°-180°)	88.0	1.2		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	10.3	7.9	7.2	6.4	6.4	5.6	5.6	4.8	4.8	4.8	4.8
5°	100.1	96.9	89.8	83.4	28.6	23.8	19.9	15.1	5.6	5.6	4.8
7.5°	120.0	117.6	112.8	109.7	104.9	97.7	89.8	42.1	16.7	6.4	5.6
10°	157.3	145.4	135.9	127.9	122.4	110.5	107.3	100.9	27.8	11.9	8.7
12.5°	281.3	274.9	265.4	180.4	148.6	127.1	122.4	116.8	90.6	42.9	77.1
15°	309.9	303.5	294.0	282.1	264.6	156.5	147.0	182.8	233.6	175.6	183.6
17.5°	363.9	360.8	335.3	306.7	289.2	307.5	308.3	279.7	265.4	232.0	211.4
20°	504.6	501.4	487.1	414.0	327.4	388.6	387.0	372.7	298.0	342.5	368.7
22.5°	525.2	521.3	508.6	488.7	518.1	425.9	415.6	415.6	439.4	465.6	433.9
25°	691.3	687.3	590.4	514.1	555.4	507.0	508.6	562.6	486.3	510.9	487.9
27.5°	722.3	716.7	708.8	657.9	584.8	642.1	633.3	603.9	632.5	705.6	681.0
30°	843.1	781.9	755.7	726.3	690.5	680.2	676.2	729.5	750.1	745.4	752.5
32.5°	978.2	975.8	950.4	774.8	781.1	731.1	795.4	819.3	787.5	905.1	980.6
35°	1175.2	1094.2	1044.9	928.1	812.9	845.5	823.2	847.9	956.7	967.8	1040.2
37.5°	1477.2	1472.4	1359.6	1024.3	937.7	865.3	881.2	949.6	1021.1	1037.0	1134.7
40°	1726.7	1703.7	1632.2	1277.0	1019.5	936.1	999.6	984.5	1060.0	1115.6	1209.4
42.5°	1911.9	1933.3	1892.8	1478.0	1184.0	1048.1	1067.2	1047.3	1117.2	1221.3	1316.7
45°	2089.1	2080.3	2108.1	1682.2	1342.1	1191.9	1190.3	1141.9	1222.1	1338.9	1464.5
47.5°	2233.7	2221.0	2249.6	1903.9	1524.1	1322.2	1333.4	1270.6	1347.7	1485.9	1683.8
50°	2395.0	2370.4	2389.4	2089.9	1761.7	1510.6	1495.5	1447.0	1490.7	1679.0	1951.6
52.5°	2588.9	2571.4	2537.2	2275.0	2006.4	1704.5	1685.4	1638.5	1686.2	1919.0	2248.0
55°	2762.9	2743.0	2715.2	2530.1	2209.8	1901.5	1902.3	1855.4	1948.4	2181.2	2592.1
57.5°	2944.1	2934.5	2948.8	2815.3	2500.7	2107.3	2112.1	2083.5	2250.4	2450.6	2956.8
60°	3094.3	3080.0	3159.4	3107.0	2758.9	2342.5	2323.5	2354.5	2558.7	2731.9	3326.3
62.5°	3151.5	3161.0	3311.2	3375.6	3009.2	2596.0	2603.2	2645.3	2843.9	3068.8	3682.3
65°	2882.9	2916.3	3335.8	3422.4	3288.1	2877.3	2911.5	2904.3	3136.4	3316.7	3982.6
67.5°	2591.3	2629.4	3085.5	3434.4	3504.3	3207.9	3225.4	3154.6	3388.3	3471.7	4206.7
70°	2384.7	2414.1	2789.1	3366.8	3637.0	3552.8	3560.7	3429.6	3571.0	3653.7	4198.8
72.5°	2027.1	2058.1	2404.5	3111.7	3719.6	3970.7	3970.7	3681.5	3718.8	3649.7	3707.7
75°	1369.9	1381.8	1665.5	2415.6	3505.9	4311.6	4352.9	3956.4	3668.0	3315.2	2765.3
76°	983.7	1020.3	1257.9	1983.4	3184.0	4272.7	4427.6	4012.0	3568.6	3093.5	2275.8
77.5°	521.3	554.6	742.2	1269.8	2582.5	3973.1	4240.9	3841.2	3254.0	2655.6	1683.0
80°	204.2	201.8	255.1	452.1	1307.9	3021.9	3245.2	2831.2	2201.1	1538.4	799.4
82.5°	112.0	123.2	162.1	239.2	567.4	1667.1	1833.2	1493.9	1123.6	709.6	467.2
85°	71.5	73.1	95.4	147.8	350.4	702.4	771.6	639.7	526.0	435.5	332.2
87.5°	42.9	44.5	50.1	68.3	173.2	206.6	225.7	265.4	302.0	299.6	286.9
90°	29.4	29.4	24.6	27.0	81.1	165.3	158.9	169.3	154.2	195.5	276.5
92.5°	28.6	28.6	23.8	24.6	69.1	183.6	184.4	183.6	162.9	199.4	290.8
95°	25.4	26.2	20.7	21.5	50.9	171.6	201.8	195.5	164.5	201.0	290.0
97.5°	21.5	22.2	15.9	18.3	34.2	116.0	150.2	153.4	102.5	101.7	131.1
100°	15.9	16.7	11.1	14.3	20.7	53.2	80.3	75.5	50.9	27.8	18.3
102.5°	15.1	15.9	9.5	11.1	12.7	18.3	29.4	22.2	19.1	15.9	15.9
105°	16.7	16.7	8.7	7.9	7.9	8.7	7.2	10.3	11.1	11.9	16.7
107.5°	14.3	15.1	6.4	6.4	5.6	5.6	4.8	4.8	6.4	10.3	18.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	11.1	11.1	5.6	5.6	4.0	4.8	4.8	4.0	5.6	7.9	14.3
112.5°	6.4	7.2	3.2	4.8	3.2	4.0	4.0	3.2	4.8	5.6	7.9
115°	6.4	6.4	3.2	2.4	2.4	2.4	3.2	3.2	4.0	5.6	8.7
117.5°	6.4	6.4	3.2	2.4	1.6	2.4	2.4	2.4	4.0	5.6	8.7
120°	6.4	6.4	3.2	1.6	1.6	1.6	1.6	2.4	4.0	5.6	8.7
122.5°	7.2	6.4	3.2	1.6	1.6	1.6	1.6	2.4	4.0	5.6	7.9
125°	7.2	6.4	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	7.2
127.5°	7.2	6.4	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	6.4
130°	6.4	6.4	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	6.4
132.5°	6.4	5.6	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.0	5.6
135°	5.6	4.8	3.2	1.6	2.4	1.6	2.4	2.4	3.2	4.0	4.8
137.5°	4.8	4.8	3.2	2.4	2.4	2.4	2.4	2.4	3.2	4.0	4.0
140°	5.6	4.8	3.2	3.2	2.4	2.4	2.4	2.4	3.2	4.0	4.0
142.5°	6.4	5.6	4.0	3.2	3.2	2.4	2.4	3.2	3.2	4.0	4.0
145°	6.4	6.4	4.8	4.0	2.4	2.4	2.4	3.2	4.0	4.0	4.8
147.5°	7.2	6.4	4.8	4.0	2.4	1.6	2.4	2.4	4.0	4.8	4.8
150°	6.4	6.4	4.0	3.2	1.6	0.8	1.6	2.4	4.0	4.8	4.8
152.5°	4.8	4.8	3.2	1.6	0.8	0.8	1.6	2.4	3.2	4.0	4.8
155°	3.2	3.2	1.6	0.8	0.0	0.8	0.8	1.6	2.4	3.2	4.0
157.5°	1.6	1.6	0.8	0.0	0.0	0.8	0.8	1.6	2.4	3.2	3.2
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	4.8	4.0	4.0	3.2	3.2	2.4	2.4	2.4	2.4	3.2	4.0
5°	4.8	4.8	4.0	4.0	4.0	3.2	3.2	4.8	5.6	6.4	6.4
7.5°	4.8	4.8	4.8	4.0	4.8	6.4	25.4	73.1	80.3	85.0	86.6
10°	8.7	7.9	7.2	6.4	11.9	81.1	100.1	108.9	112.8	116.8	116.8
12.5°	83.4	83.4	34.2	19.1	81.8	108.9	114.4	120.8	126.3	131.9	132.7
15°	181.2	178.8	172.4	158.1	136.7	123.2	128.7	190.7	224.1	239.2	236.8
17.5°	207.4	204.2	200.2	228.1	237.6	189.9	221.7	246.3	253.5	261.4	260.6
20°	384.6	380.6	296.4	265.4	259.8	318.6	253.5	259.0	271.8	346.5	348.8
22.5°	430.7	425.9	396.5	404.5	303.5	345.7	334.5	350.4	391.0	402.9	404.5
25°	504.6	485.5	449.8	422.7	429.9	360.8	416.4	390.2	405.3	419.6	421.9
27.5°	698.5	687.3	623.8	473.6	438.6	451.3	433.9	424.3	507.0	537.2	539.5
30°	752.5	741.4	661.9	548.3	462.5	462.5	437.0	529.2	533.2	549.1	553.1
32.5°	1022.7	1000.4	841.5	557.0	480.0	441.8	495.0	521.3	584.8	632.5	640.5
35°	1085.5	1066.4	868.5	636.5	464.1	460.1	467.2	549.1	596.0	624.6	630.9
37.5°	1150.6	1129.2	865.3	606.3	491.9	438.6	454.5	513.3	580.9	654.8	664.3
40°	1239.6	1213.4	869.3	567.4	460.9	414.8	426.7	492.7	538.8	584.8	592.8
42.5°	1358.8	1306.4	876.5	532.4	425.1	404.5	406.8	445.0	466.4	485.5	485.5
45°	1519.3	1434.3	878.9	495.8	389.4	380.6	383.8	401.3	409.2	397.3	391.7
47.5°	1734.7	1592.4	908.3	463.3	359.2	354.4	356.8	362.3	358.4	327.4	321.8
50°	1985.8	1778.4	924.1	434.7	336.9	336.1	332.2	332.2	317.8	282.9	280.5
52.5°	2263.1	2000.1	937.7	399.7	321.0	325.0	325.0	308.3	286.9	259.0	256.7
55°	2615.1	2255.9	957.5	369.5	307.5	306.7	315.5	294.8	272.6	248.7	248.7
57.5°	2964.7	2526.9	981.4	343.3	292.4	294.0	306.7	290.0	278.1	268.6	267.8
60°	3314.4	2806.6	943.2	319.4	286.9	283.7	304.3	308.3	294.0	299.6	305.1
62.5°	3642.5	2985.4	789.9	298.8	276.5	281.3	325.0	349.6	344.9	339.3	340.9
65°	3797.5	3021.9	640.5	280.5	269.4	298.0	358.4	395.7	379.8	361.6	360.0
67.5°	3823.7	2927.4	471.2	269.4	265.4	327.4	384.6	406.1	382.2	375.1	368.7
70°	3639.4	2687.4	376.7	257.5	268.6	332.2	401.3	403.7	386.2	394.1	386.2
72.5°	3095.0	2238.4	329.8	246.3	269.4	320.2	401.3	404.5	384.6	407.6	403.7
75°	2216.2	1569.4	293.2	236.8	260.6	306.7	395.7	403.7	379.8	405.3	398.9
76°	1805.4	1245.2	282.9	239.2	256.7	302.0	394.1	401.3	380.6	403.7	397.3
77.5°	1192.7	813.7	265.4	237.6	249.5	299.6	390.2	398.1	379.8	398.9	392.5
80°	638.1	460.9	239.2	221.7	240.8	301.2	387.0	390.2	364.7	386.2	378.2
82.5°	420.4	343.3	206.6	201.0	232.0	303.5	385.4	380.6	352.0	386.2	364.7
85°	329.8	283.7	155.0	161.3	211.4	293.2	380.6	367.1	340.9	350.4	337.7
87.5°	279.7	233.6	93.0	115.2	185.1	249.5	337.7	303.5	288.4	298.0	292.4
90°	263.0	206.6	52.4	81.1	139.1	166.1	213.0	197.9	191.5	202.6	200.2
92.5°	265.4	201.8	51.7	77.1	148.6	178.8	220.1	202.6	183.6	183.6	181.2
95°	253.5	188.3	50.9	61.2	134.3	174.0	206.6	182.0	147.8	140.6	138.3
97.5°	110.5	91.4	47.7	46.9	77.1	120.0	150.2	130.3	97.7	76.3	76.3
100°	18.3	29.4	41.3	45.3	45.3	63.6	85.0	80.3	46.9	24.6	25.4
102.5°	19.1	16.7	28.6	37.3	29.4	26.2	38.9	48.5	31.0	9.5	10.3
105°	19.9	17.5	14.3	26.2	16.7	8.7	11.9	22.2	14.3	9.5	9.5
107.5°	21.5	18.3	8.7	9.5	7.2	7.2	6.4	5.6	7.2	9.5	10.3



REPORT NUMBER: P416988

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.7	15.1	7.9	7.2	6.4	7.2	4.8	4.8	5.6	9.5	10.3
112.5°	9.5	9.5	7.2	5.6	5.6	6.4	4.0	4.0	5.6	10.3	10.3
115°	9.5	9.5	6.4	4.8	4.0	4.8	4.0	3.2	5.6	10.3	11.1
117.5°	9.5	9.5	6.4	4.8	4.0	3.2	3.2	3.2	5.6	10.3	11.1
120°	9.5	8.7	5.6	4.0	4.0	2.4	2.4	2.4	4.8	10.3	11.1
122.5°	8.7	8.7	5.6	4.0	3.2	2.4	2.4	2.4	4.8	9.5	10.3
125°	7.9	7.9	5.6	4.0	3.2	2.4	1.6	2.4	4.8	8.7	9.5
127.5°	7.2	7.2	4.8	4.0	3.2	2.4	1.6	2.4	4.8	8.7	9.5
130°	6.4	6.4	4.8	3.2	3.2	1.6	1.6	1.6	4.8	7.9	8.7
132.5°	5.6	5.6	4.0	3.2	2.4	1.6	0.8	1.6	4.0	7.2	7.2
135°	4.8	4.8	4.0	3.2	2.4	1.6	0.8	1.6	3.2	5.6	6.4
137.5°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.8	4.8
140°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.0	4.8
142.5°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.0	4.8
145°	4.8	4.0	4.0	3.2	2.4	1.6	0.8	1.6	3.2	4.8	4.8
147.5°	4.8	4.8	4.0	3.2	2.4	1.6	0.8	1.6	3.2	4.8	4.8
150°	4.8	4.8	4.0	3.2	2.4	0.8	0.0	0.8	2.4	4.0	4.8
152.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.0	1.6	3.2	3.2
155°	4.0	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
157.5°	3.2	3.2	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	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)