

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: P416822

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-750-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8699.9 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

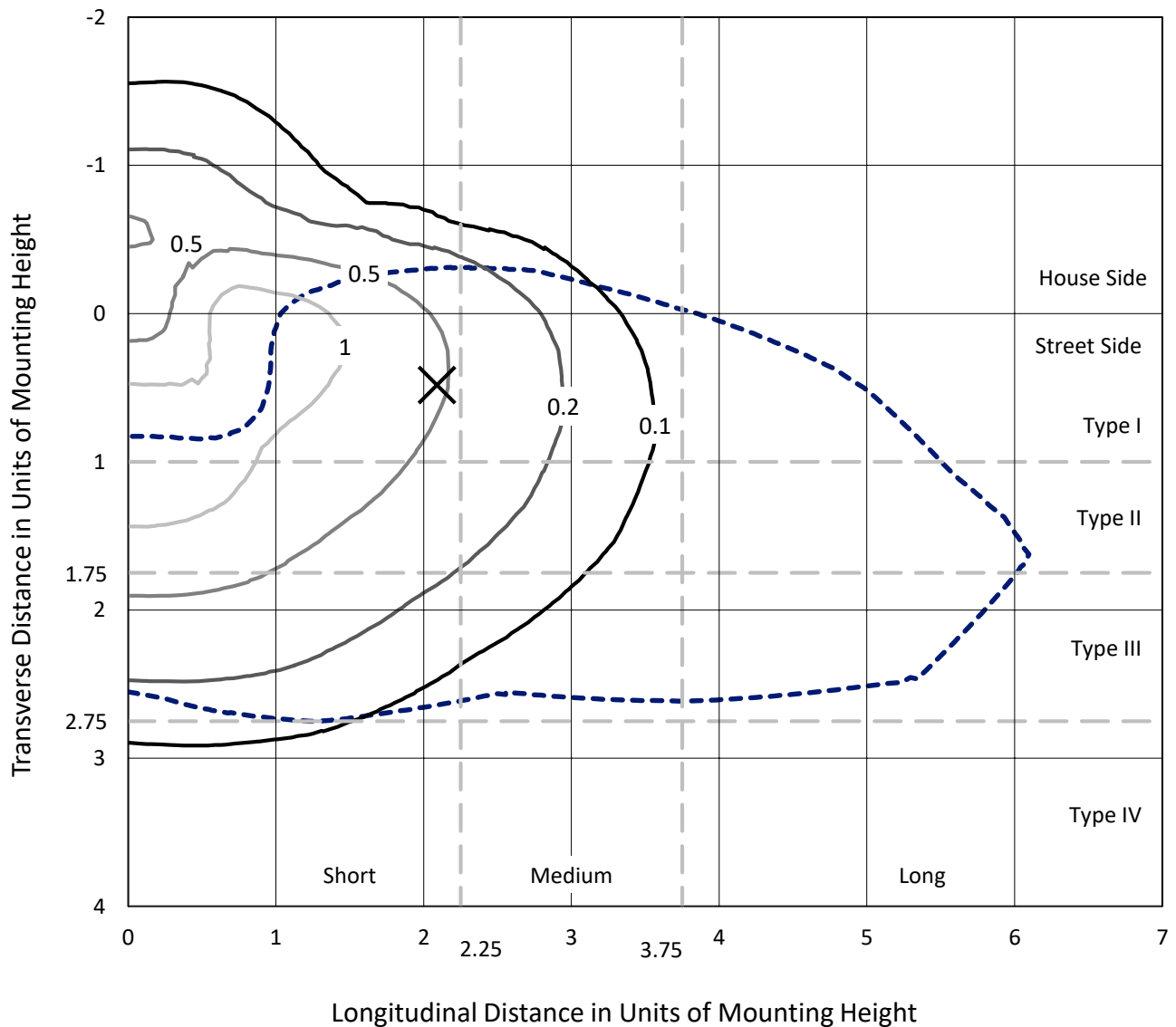
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

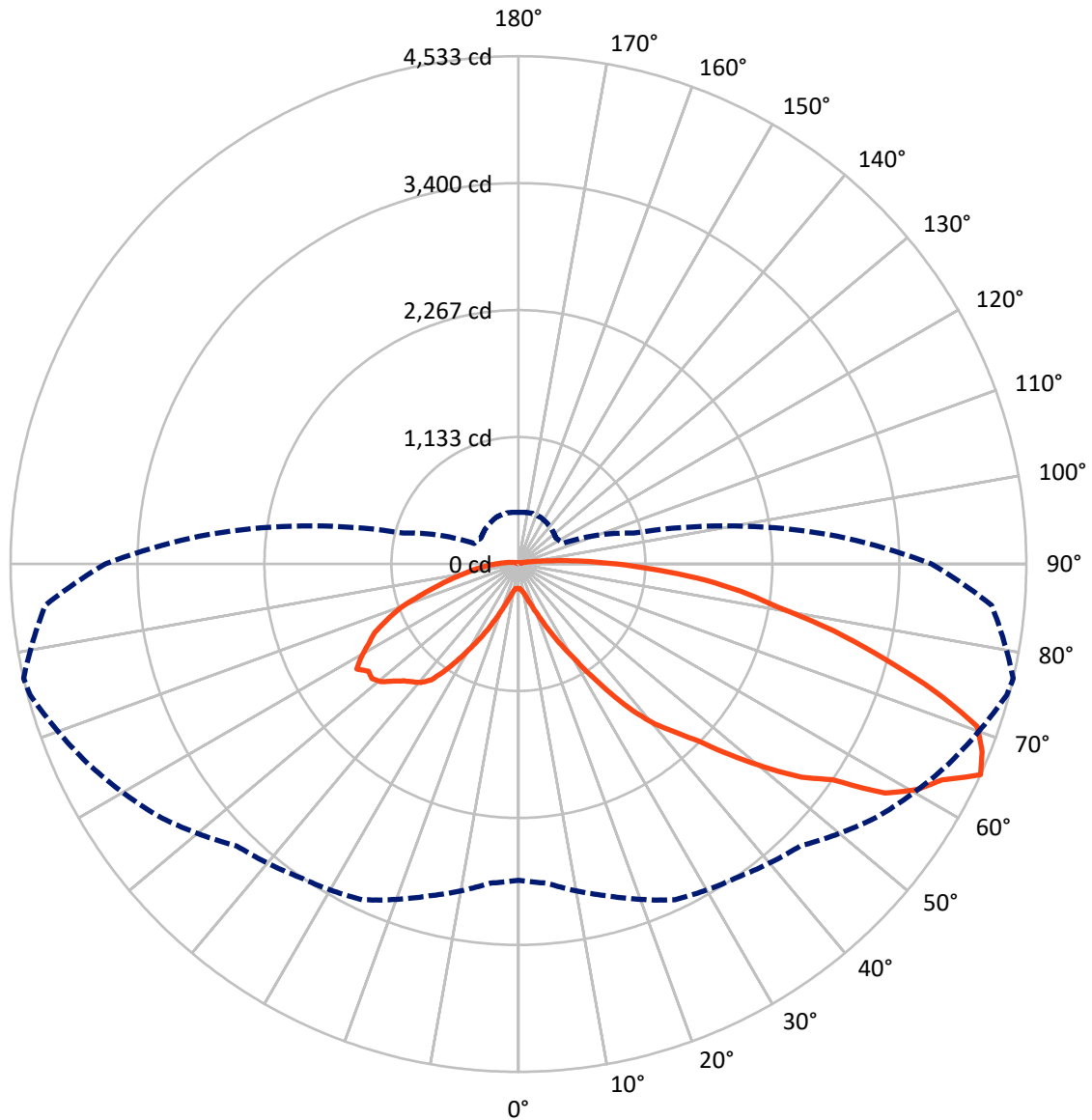


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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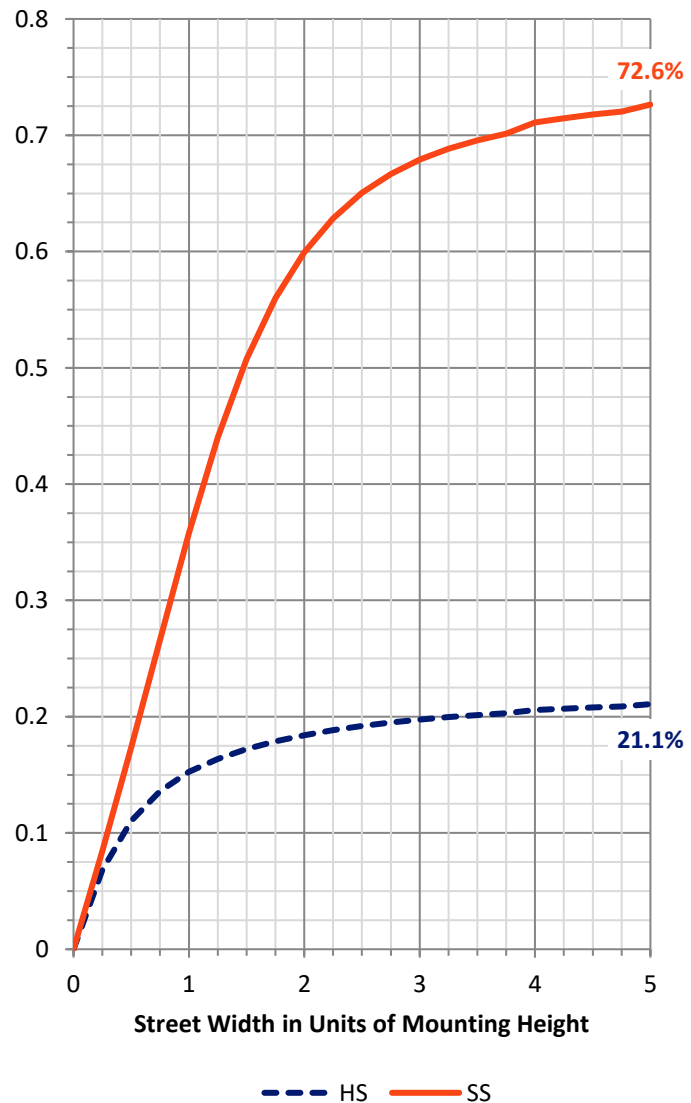
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1917.0	136.3	2053.4
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	6476.1	170.4	6646.6
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	8393.2	306.8	8699.9
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.4	0.3
10°-20°	95.3	1.1
20°-30°	279.2	3.2
30°-40°	668.4	7.7
40°-50°	1203.7	13.8
50°-60°	1830.8	21.0
60°-70°	2159.7	24.8
70°-80°	1488.3	17.1
80°-90°	645.3	7.4
90°-100°	188.4	2.2
100°-110°	59.0	0.7
110°-120°	27.6	0.3
120°-130°	16.2	0.2
130°-140°	9.9	0.1
140°-150°	4.3	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8393.2	96.5
0°-180°	8699.9	100.0



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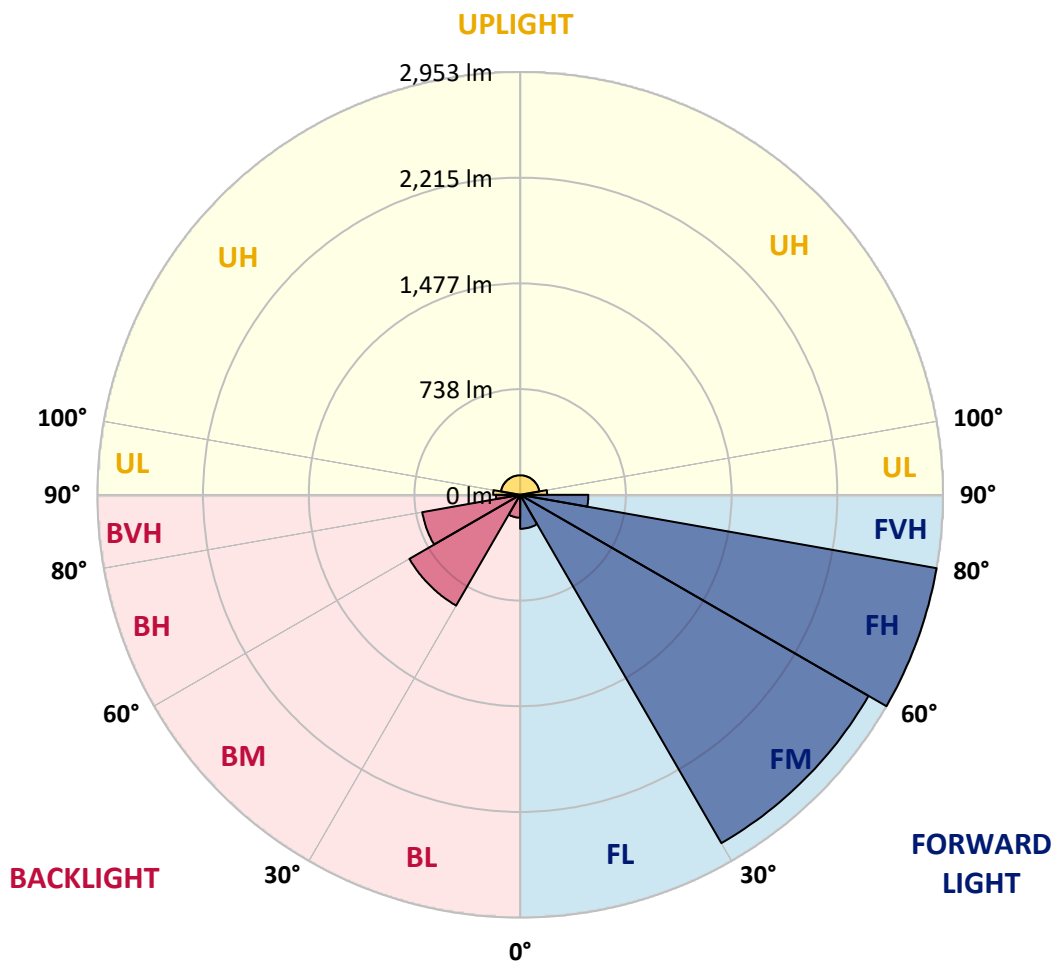
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.1	2.7			
FM	(30°-60°)	2809.5	32.3			
FH	(60°-80°)	2953.5	33.9			G2/5000
FVH	(80°-90°)	476.1	5.5			G3/500
BL	(0°-30°)	159.8	1.8	B1/500		
BM	(30°-60°)	893.5	10.3	B1/1000		
BH	(60°-80°)	694.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	169.2	1.9			G2/225
UL	(90°-100°)	188.4	2.2		U3/500	
UH	(100°-180°)	136.3	1.6		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
2.5°	235.0	234.0	234.0	235.0	233.0	231.0	228.0	225.0	222.0	222.0	220.0
5°	254.0	253.0	253.0	253.0	249.0	246.0	239.0	235.0	231.0	229.0	226.0
7.5°	279.0	276.0	277.0	276.0	270.0	264.0	257.0	249.0	244.0	243.0	237.0
10°	312.0	310.0	308.0	304.0	298.0	288.0	278.0	271.0	264.0	263.0	256.0
12.5°	359.0	357.0	353.0	344.0	331.0	319.0	309.0	301.0	297.0	295.0	288.0
15°	416.0	410.0	408.0	394.0	376.0	362.0	351.0	346.0	342.0	342.0	333.0
17.5°	483.0	483.0	473.0	454.0	431.0	414.0	403.0	394.0	397.0	396.0	391.0
20°	566.0	564.0	549.0	524.0	496.0	480.0	466.0	461.0	465.0	469.0	469.0
22.5°	686.0	681.0	658.0	620.0	579.0	553.0	543.0	542.0	558.0	563.0	569.0
25°	821.0	814.0	785.0	739.0	688.0	648.0	634.0	645.0	674.0	685.0	697.0
27.5°	984.0	980.0	936.0	873.0	812.0	760.0	744.0	778.0	817.0	821.0	845.0
30°	1194.0	1196.0	1136.0	1045.0	941.0	887.0	869.0	910.0	968.0	972.0	1020.0
32.5°	1437.1	1437.1	1347.1	1237.0	1103.0	1027.0	1010.0	1076.0	1167.0	1181.0	1227.0
35°	1747.1	1729.1	1614.1	1456.1	1288.0	1175.0	1173.0	1276.0	1401.1	1415.1	1465.1
37.5°	2025.1	2036.1	1919.1	1713.1	1486.1	1356.1	1373.1	1504.1	1662.1	1666.1	1720.1
40°	2326.1	2338.1	2200.1	1985.1	1706.1	1560.1	1594.1	1716.1	1873.1	1876.1	1895.1
42.5°	2562.1	2593.1	2464.1	2240.1	1958.1	1792.1	1800.1	1914.1	2035.1	2050.1	2063.1
45°	2703.1	2726.1	2655.1	2476.1	2180.1	2024.1	2005.1	2098.1	2256.1	2252.1	2271.1
47.5°	2925.1	2952.1	2843.1	2680.1	2430.1	2237.1	2213.1	2334.1	2528.1	2548.1	2530.1
50°	3155.1	3191.1	3112.1	2922.1	2664.1	2476.1	2479.1	2617.1	2843.1	2850.1	2861.1
52.5°	3316.1	3342.1	3311.1	3179.1	2905.1	2734.1	2761.1	2926.1	3148.1	3161.1	3117.1
55°	3341.1	3381.1	3406.1	3376.1	3169.1	3000.1	3069.1	3234.1	3384.1	3395.1	3361.1
57.5°	3333.1	3366.1	3419.1	3442.1	3338.1	3274.1	3363.1	3532.1	3821.1	3858.1	3841.1
60°	3324.1	3348.1	3458.1	3492.1	3433.1	3484.1	3626.1	3927.1	4086.2	4089.2	3934.1
62.5°	3074.1	3114.1	3321.1	3492.1	3476.1	3573.1	3884.1	4093.2	4219.2	4242.2	4094.2
65°	2823.1	2858.1	3066.1	3306.1	3412.1	3558.1	3924.1	4232.2	4512.2	4533.2	4240.2
67.5°	2460.1	2515.1	2742.1	3031.1	3161.1	3394.1	3819.1	4281.2	4455.2	4464.2	4129.2
70°	2004.1	2079.1	2335.1	2640.1	2796.1	3032.1	3584.1	4106.2	4349.2	4344.2	3945.2
72.5°	1444.1	1511.1	1745.1	2107.1	2351.1	2609.1	3154.1	3758.1	3896.1	3891.1	3356.1
75°	981.0	1017.0	1193.0	1524.1	1875.1	2178.1	2717.1	3260.1	3377.1	3368.1	2875.1
77.5°	643.0	684.0	798.0	1081.0	1408.1	1757.1	2281.1	2729.1	2913.1	2880.1	2437.1
80°	394.0	417.0	511.0	730.0	1067.0	1418.1	1886.1	2309.1	2404.1	2356.1	1990.1
82.5°	246.0	264.0	331.0	482.0	766.0	1095.0	1547.1	1944.1	2050.1	1996.1	1637.1
85°	151.0	160.0	206.0	317.0	520.0	805.0	1244.0	1577.1	1642.1	1603.1	1234.0
87.5°	110.0	112.0	141.0	214.0	351.0	576.0	916.0	1188.0	1235.0	1163.0	865.0
90°	81.0	85.0	104.0	151.0	244.0	391.0	631.0	836.0	848.0	804.0	578.0
92.5°	61.0	63.0	78.0	107.0	168.0	267.0	421.0	560.0	549.0	518.0	359.0
95°	44.0	45.0	56.0	76.0	118.0	179.0	268.0	351.0	316.0	303.0	218.0
97.5°	36.0	37.0	45.0	59.0	87.0	126.0	173.0	209.0	186.0	178.0	140.0
100°	31.0	31.0	38.0	49.0	68.0	94.0	115.0	131.0	120.0	116.0	99.0
102.5°	28.0	28.0	33.0	41.0	56.0	74.0	85.0	90.0	84.0	81.0	73.0
105°	25.0	25.0	29.0	35.0	47.0	60.0	65.0	66.0	60.0	59.0	56.0
107.5°	23.0	23.0	26.0	31.0	40.0	50.0	52.0	49.0	46.0	44.0	44.0
110°	20.0	21.0	23.0	27.0	35.0	42.0	42.0	38.0	34.0	34.0	35.0



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CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	19.0	19.0	21.0	25.0	31.0	36.0	34.0	30.0	27.0	27.0	29.0
115°	17.0	17.0	19.0	23.0	28.0	31.0	29.0	25.0	22.0	23.0	25.0
117.5°	16.0	16.0	18.0	21.0	25.0	27.0	25.0	21.0	19.0	20.0	23.0
120°	16.0	16.0	18.0	20.0	23.0	24.0	22.0	18.0	17.0	17.0	20.0
122.5°	16.0	16.0	17.0	20.0	22.0	22.0	19.0	16.0	15.0	15.0	18.0
125°	16.0	16.0	18.0	20.0	20.0	20.0	17.0	14.0	13.0	14.0	16.0
127.5°	17.0	17.0	18.0	19.0	19.0	18.0	15.0	13.0	12.0	13.0	15.0
130°	17.0	17.0	18.0	19.0	18.0	16.0	14.0	12.0	12.0	12.0	15.0
132.5°	17.0	17.0	18.0	18.0	17.0	14.0	12.0	10.0	11.0	12.0	14.0
135°	16.0	16.0	16.0	16.0	15.0	13.0	10.0	9.0	10.0	11.0	13.0
137.5°	15.0	15.0	15.0	15.0	13.0	11.0	8.0	7.0	9.0	9.0	11.0
140°	13.0	13.0	14.0	13.0	12.0	9.0	7.0	5.0	7.0	7.0	9.0
142.5°	12.0	12.0	12.0	12.0	10.0	8.0	5.0	5.0	6.0	6.0	7.0
145°	10.0	10.0	11.0	10.0	8.0	6.0	4.0	4.0	5.0	5.0	6.0
147.5°	8.0	9.0	9.0	8.0	7.0	5.0	3.0	3.0	4.0	4.0	5.0
150°	7.0	7.0	7.0	7.0	5.0	3.0	2.0	3.0	4.0	4.0	4.0
152.5°	5.0	5.0	6.0	6.0	4.0	2.0	2.0	3.0	3.0	3.0	4.0
155°	4.0	4.0	5.0	4.0	3.0	1.0	2.0	2.0	3.0	3.0	3.0
157.5°	2.0	2.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0
160°	1.0	1.0	3.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0
2.5°	219.0	217.0	216.0	214.0	212.0	210.0	210.0	210.0	209.0	208.0	209.0
5°	223.0	222.0	217.0	213.0	209.0	207.0	205.0	204.0	204.0	202.0	202.0
7.5°	234.0	230.0	223.0	216.0	212.0	208.0	205.0	204.0	203.0	201.0	201.0
10°	251.0	246.0	238.0	227.0	220.0	213.0	210.0	210.0	209.0	208.0	208.0
12.5°	283.0	277.0	263.0	248.0	234.0	224.0	222.0	225.0	231.0	232.0	232.0
15°	330.0	323.0	305.0	281.0	259.0	245.0	247.0	255.0	263.0	266.0	266.0
17.5°	388.0	380.0	354.0	319.0	290.0	277.0	276.0	287.0	298.0	304.0	304.0
20°	466.0	453.0	419.0	369.0	329.0	314.0	308.0	318.0	335.0	342.0	340.0
22.5°	563.0	548.0	500.0	424.0	374.0	347.0	339.0	350.0	371.0	380.0	379.0
25°	691.0	676.0	598.0	493.0	418.0	376.0	371.0	387.0	418.0	436.0	434.0
27.5°	840.0	815.0	711.0	570.0	461.0	400.0	401.0	428.0	460.0	480.0	478.0
30°	999.0	967.0	825.0	644.0	501.0	427.0	425.0	457.0	490.0	511.0	511.0
32.5°	1209.0	1162.0	957.0	715.0	532.0	448.0	441.0	477.0	511.0	533.0	532.0
35°	1434.1	1371.1	1095.0	790.0	558.0	459.0	451.0	488.0	523.0	549.0	549.0
37.5°	1692.1	1585.1	1224.0	842.0	576.0	465.0	454.0	496.0	539.0	566.0	564.0
40°	1828.1	1708.1	1286.0	865.0	579.0	466.0	459.0	503.0	539.0	549.0	544.0
42.5°	1980.1	1825.1	1312.0	837.0	568.0	464.0	462.0	496.0	512.0	509.0	506.0
45°	2172.1	1963.1	1337.1	802.0	542.0	461.0	457.0	477.0	478.0	466.0	462.0
47.5°	2417.1	2153.1	1378.1	760.0	516.0	454.0	449.0	458.0	441.0	419.0	412.0
50°	2680.1	2373.1	1429.1	724.0	492.0	445.0	440.0	437.0	420.0	398.0	394.0
52.5°	2909.1	2522.1	1443.1	686.0	476.0	439.0	433.0	430.0	414.0	389.0	384.0
55°	3114.1	2649.1	1394.1	629.0	463.0	435.0	433.0	433.0	416.0	390.0	385.0
57.5°	3519.1	2953.1	1412.1	571.0	446.0	434.0	437.0	438.0	422.0	397.0	392.0
60°	3531.1	2895.1	1307.0	530.0	431.0	434.0	441.0	443.0	432.0	415.0	412.0
62.5°	3646.1	2897.1	1166.0	477.0	421.0	432.0	444.0	451.0	452.0	442.0	440.0
65°	3688.1	2855.1	1064.0	435.0	407.0	427.0	445.0	462.0	468.0	463.0	461.0
67.5°	3527.1	2662.1	925.0	407.0	393.0	419.0	444.0	465.0	478.0	481.0	481.0
70°	3315.1	2445.1	801.0	380.0	378.0	408.0	437.0	465.0	483.0	491.0	491.0
72.5°	2777.1	2008.1	661.0	352.0	358.0	391.0	422.0	456.0	476.0	483.0	480.0
75°	2323.1	1653.1	544.0	328.0	338.0	370.0	401.0	434.0	448.0	452.0	449.0
77.5°	1965.1	1375.1	447.0	306.0	314.0	343.0	371.0	394.0	403.0	401.0	396.0
80°	1584.1	1073.0	367.0	279.0	287.0	310.0	330.0	348.0	357.0	352.0	349.0
82.5°	1261.0	853.0	313.0	255.0	258.0	277.0	291.0	305.0	320.0	316.0	308.0
85°	933.0	628.0	266.0	229.0	229.0	243.0	250.0	263.0	284.0	283.0	280.0
87.5°	638.0	447.0	226.0	203.0	202.0	210.0	214.0	228.0	255.0	256.0	253.0
90°	420.0	306.0	189.0	176.0	174.0	180.0	183.0	195.0	217.0	219.0	215.0
92.5°	273.0	212.0	155.0	149.0	148.0	153.0	152.0	160.0	175.0	174.0	171.0
95°	175.0	148.0	126.0	123.0	120.0	126.0	124.0	126.0	134.0	132.0	132.0
97.5°	121.0	113.0	104.0	99.0	97.0	103.0	101.0	101.0	105.0	101.0	99.0
100°	93.0	90.0	86.0	82.0	78.0	83.0	83.0	83.0	86.0	80.0	78.0
102.5°	72.0	71.0	71.0	68.0	65.0	69.0	70.0	71.0	70.0	64.0	63.0
105°	57.0	57.0	59.0	56.0	55.0	58.0	59.0	58.0	58.0	53.0	53.0
107.5°	45.0	47.0	49.0	47.0	47.0	49.0	49.0	49.0	47.0	44.0	45.0
110°	37.0	39.0	42.0	40.0	40.0	42.0	41.0	40.0	39.0	38.0	38.0



REPORT NUMBER: P416822

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.0	33.0	35.0	34.0	35.0	36.0	35.0	33.0	33.0	33.0	34.0
115°	27.0	29.0	31.0	30.0	30.0	31.0	29.0	28.0	28.0	29.0	29.0
117.5°	24.0	26.0	27.0	27.0	26.0	27.0	25.0	24.0	25.0	26.0	26.0
120°	22.0	23.0	24.0	24.0	23.0	23.0	22.0	21.0	22.0	23.0	24.0
122.5°	20.0	21.0	21.0	22.0	21.0	20.0	19.0	19.0	20.0	21.0	21.0
125°	18.0	19.0	19.0	19.0	19.0	18.0	17.0	17.0	18.0	19.0	20.0
127.5°	16.0	17.0	17.0	18.0	17.0	16.0	15.0	16.0	17.0	18.0	18.0
130°	16.0	16.0	16.0	16.0	15.0	14.0	14.0	14.0	16.0	17.0	17.0
132.5°	15.0	16.0	15.0	15.0	14.0	12.0	12.0	13.0	15.0	16.0	16.0
135°	14.0	14.0	13.0	13.0	12.0	11.0	10.0	12.0	13.0	14.0	14.0
137.5°	12.0	12.0	11.0	10.0	10.0	9.0	9.0	10.0	12.0	13.0	13.0
140°	9.0	10.0	9.0	8.0	8.0	7.0	8.0	9.0	11.0	11.0	11.0
142.5°	7.0	8.0	7.0	6.0	6.0	6.0	6.0	8.0	10.0	10.0	10.0
145°	6.0	6.0	6.0	5.0	4.0	4.0	5.0	7.0	9.0	9.0	9.0
147.5°	5.0	5.0	5.0	4.0	3.0	3.0	4.0	6.0	7.0	7.0	7.0
150°	4.0	4.0	4.0	4.0	3.0	2.0	3.0	5.0	6.0	6.0	6.0
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	2.0	4.0	5.0	5.0	5.0
155°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	3.0	2.0	1.0	0.0	1.0	3.0	4.0	3.0	3.0
160°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	3.0	2.0	2.0
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)