

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: P416823

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9021 lumens  
Efficiency: N/A  
Efficacy: 108.7 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

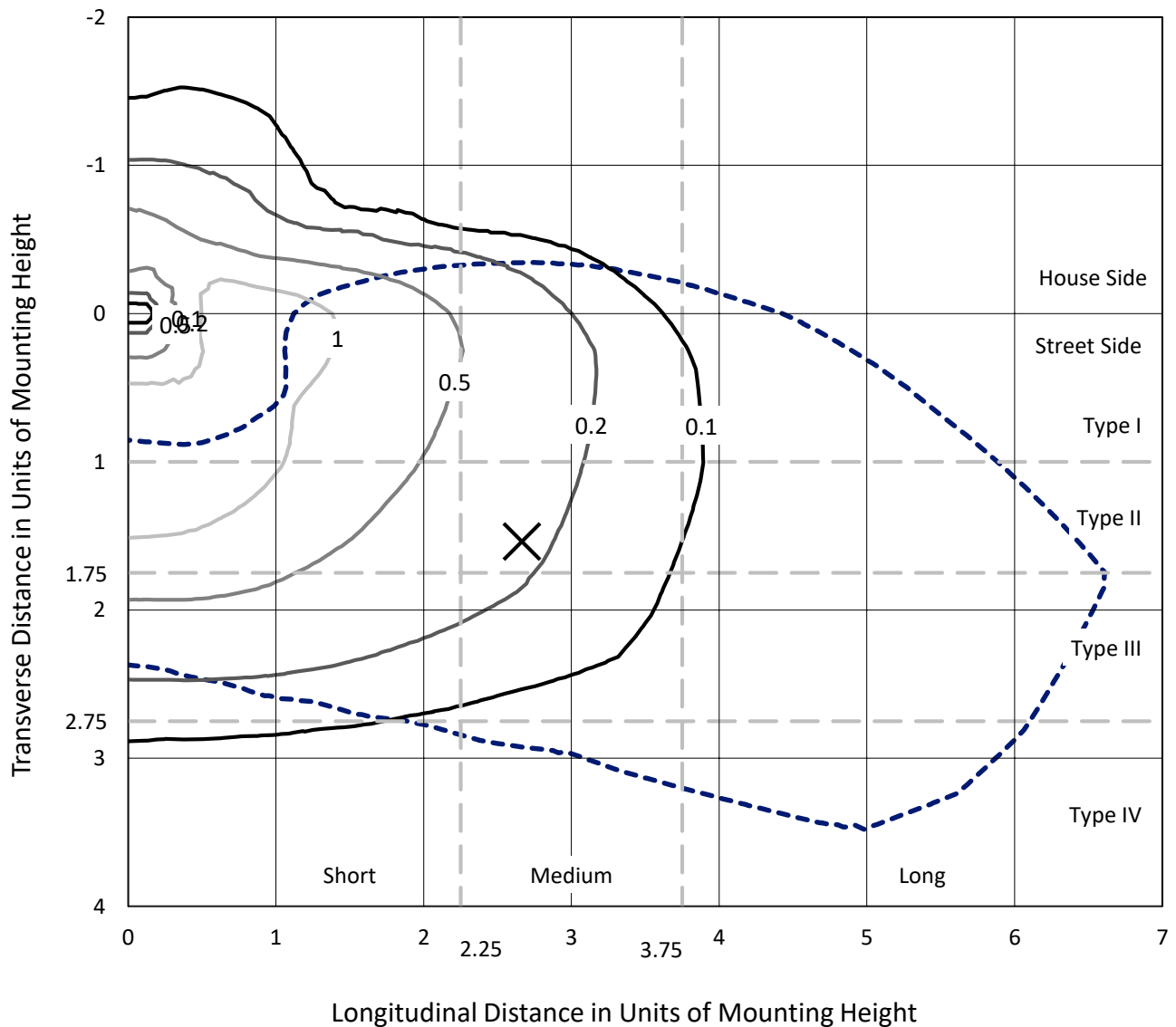
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

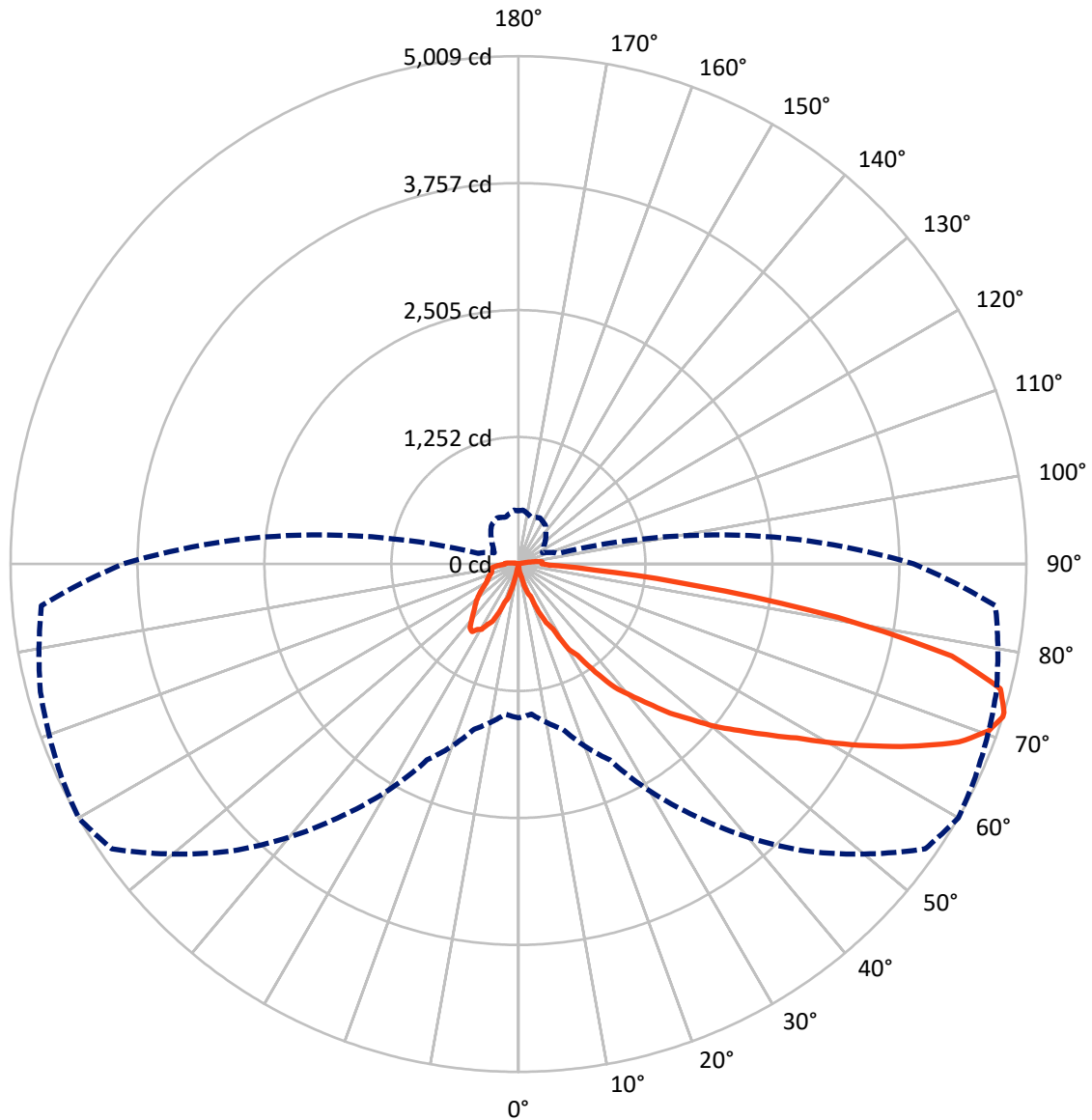
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical



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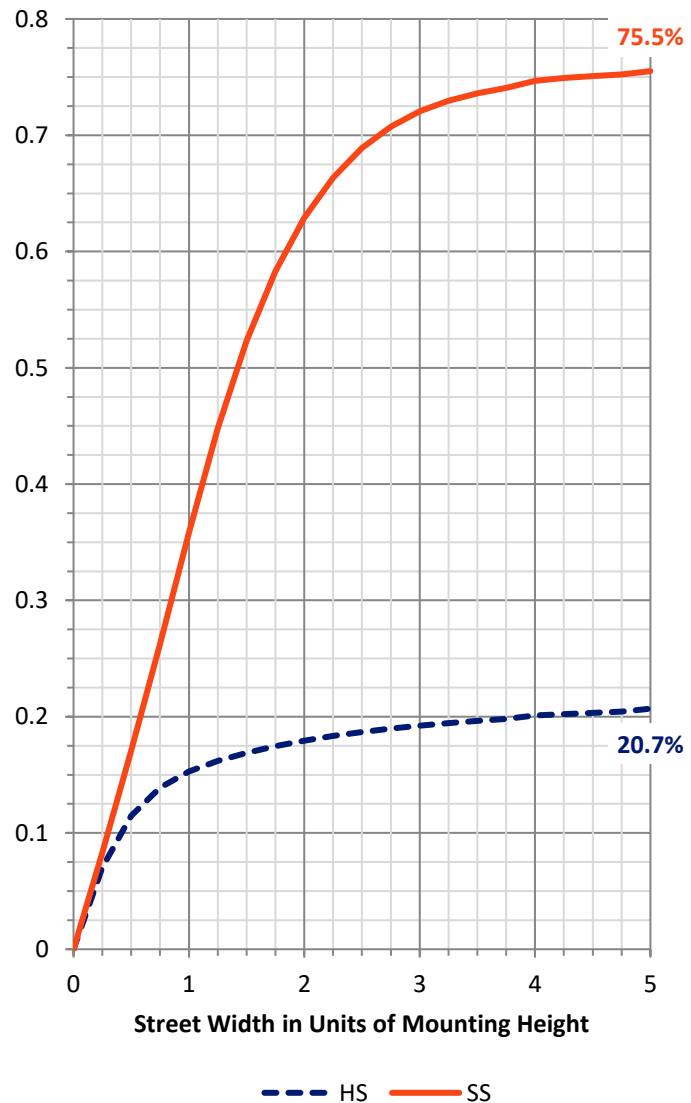
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1971.5	96.2	2067.8
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	6868.7	84.5	6953.2
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	8840.3	180.7	9021.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	73.8	0.8
20°-30°	307.6	3.4
30°-40°	710.5	7.9
40°-50°	1247.6	13.8
50°-60°	1885.6	20.9
60°-70°	2324.9	25.8
70°-80°	1795.0	19.9
80°-90°	490.4	5.4
90°-100°	133.2	1.5
100°-110°	23.1	0.3
110°-120°	8.9	0.1
120°-130°	6.4	0.1
130°-140°	4.2	0.0
140°-150°	3.4	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8840.3	98.0
0°-180°	9021.0	100.0



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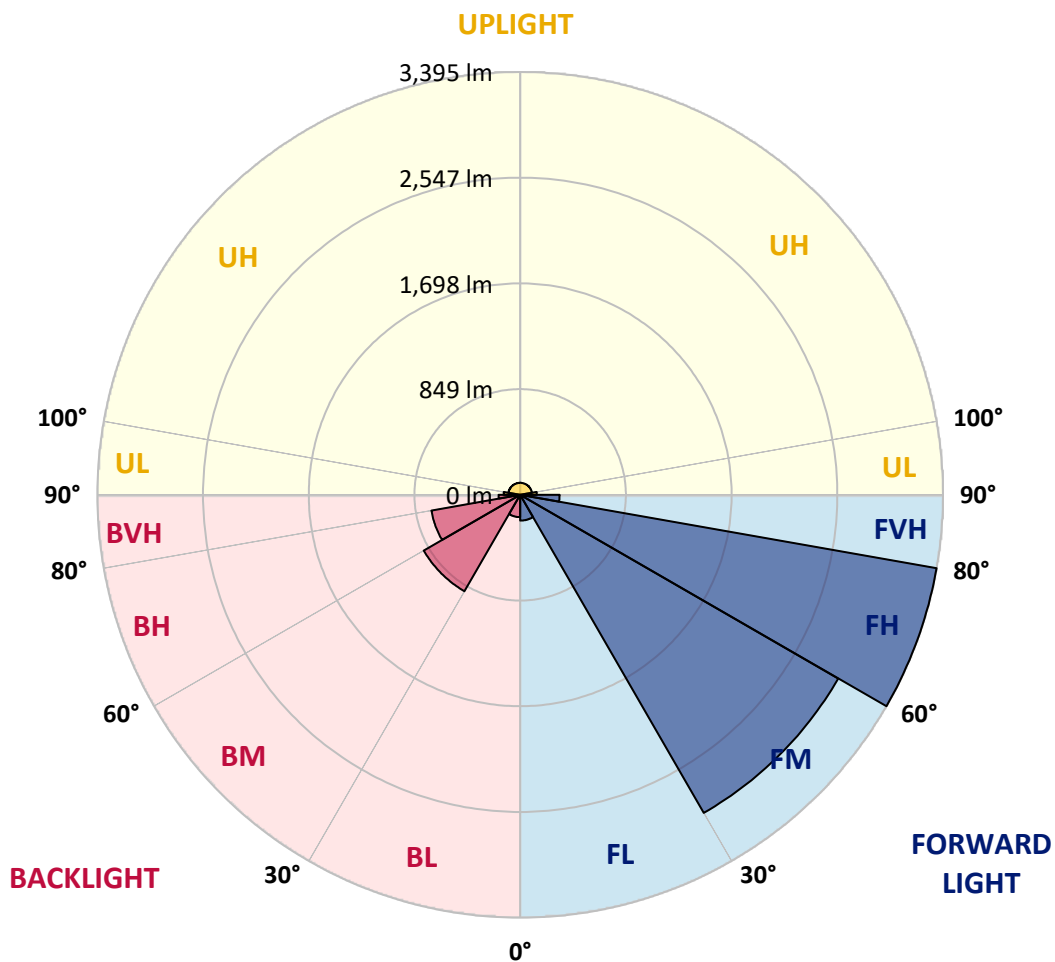
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.1	2.3			
FM	(30°-60°)	2949.5	32.7			
FH	(60°-80°)	3395.5	37.6			G2/5000
FVH	(80°-90°)	316.7	3.5			G3/500
BL	(0°-30°)	179.2	2.0	B1/500		
BM	(30°-60°)	894.2	9.9	B1/1000		
BH	(60°-80°)	724.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	173.7	1.9			G2/225
UL	(90°-100°)	133.2	1.5		U3/500	
UH	(100°-180°)	96.2	1.1		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	12.0	11.0	10.0	10.0	11.0	10.0	9.0	8.0	7.0	7.0	6.0
5°	112.0	109.0	108.0	87.0	40.0	31.0	14.0	11.0	9.0	7.0	6.0
7.5°	124.0	123.0	122.0	122.0	120.0	114.0	65.0	32.0	18.0	9.0	8.0
10°	142.0	140.0	134.0	131.0	128.0	126.0	117.0	111.0	50.0	15.0	13.0
12.5°	253.0	249.0	243.0	180.0	154.0	136.0	133.0	128.0	111.0	46.0	93.0
15°	272.0	271.0	267.0	264.0	256.0	170.0	206.0	235.0	266.0	217.0	242.0
17.5°	342.0	332.0	306.0	291.0	286.0	312.0	298.0	303.0	303.0	292.0	277.0
20°	511.0	504.0	491.0	433.0	326.0	402.0	394.0	335.0	345.0	427.0	496.0
22.5°	616.0	609.0	582.0	545.0	538.0	447.0	465.0	508.0	520.0	599.0	598.0
25°	836.0	823.0	765.0	656.0	670.0	577.0	649.0	639.0	608.0	660.0	678.0
27.5°	1021.0	1010.0	982.0	927.0	777.0	807.0	738.0	725.0	808.0	954.0	951.0
30°	1225.0	1165.0	1090.0	1073.0	962.0	915.0	933.0	976.0	1007.0	1021.0	1056.0
32.5°	1486.0	1479.0	1423.0	1202.0	1167.0	1046.0	1132.0	1073.0	1097.0	1299.0	1419.0
35°	1667.0	1685.0	1586.0	1454.0	1288.0	1285.0	1249.0	1308.0	1423.0	1451.0	1534.0
37.5°	2089.1	2094.1	2005.0	1628.0	1520.0	1416.0	1528.0	1544.0	1576.0	1624.0	1694.0
40°	2407.1	2362.1	2252.1	1972.0	1737.0	1624.0	1704.0	1702.0	1772.0	1860.0	1904.0
42.5°	2799.1	2749.1	2552.1	2235.1	2015.0	1890.0	1898.0	1881.0	1939.0	2078.1	2105.1
45°	3128.1	3106.1	2954.1	2620.1	2322.1	2172.1	2118.1	2097.1	2126.1	2301.1	2316.1
47.5°	3439.1	3380.1	3281.1	2943.1	2768.1	2495.1	2340.1	2290.1	2299.1	2498.1	2542.1
50°	3768.1	3669.1	3547.1	3250.1	3123.1	2901.1	2595.1	2517.1	2520.1	2704.1	2779.1
52.5°	3963.1	3806.1	3727.1	3481.1	3353.1	3242.1	2862.1	2727.1	2741.1	2915.1	3029.1
55°	3842.1	3795.1	3797.1	3650.1	3555.1	3425.1	3121.1	2970.1	2986.1	3190.1	3333.1
57.5°	3638.1	3674.1	3801.1	3795.1	3742.1	3615.1	3379.1	3238.1	3330.1	3501.1	3652.1
60°	3481.1	3522.1	3728.1	3834.1	3933.1	3840.1	3646.1	3585.1	3671.1	3820.1	4001.1
62.5°	3219.1	3252.1	3535.1	3815.1	3928.1	4032.1	3900.1	3955.1	4034.1	4160.1	4380.1
65°	2861.1	2853.1	3205.1	3641.1	3895.1	4139.1	4227.1	4328.1	4400.1	4535.1	4735.1
67.5°	2438.1	2478.1	2774.1	3266.1	3766.1	4193.1	4502.1	4687.1	4732.1	4784.1	4928.1
70°	1991.0	1989.0	2248.1	2771.1	3489.1	4163.1	4763.1	4923.1	4924.1	4893.1	4936.1
72°	1518.0	1486.0	1686.0	2132.1	3030.1	4002.1	4897.1	5009.1	4972.1	4880.1	4723.1
72.5°	1303.0	1332.0	1520.0	2008.0	2824.1	3922.1	4911.1	5008.1	4968.1	4867.1	4659.1
75°	661.0	619.0	726.0	1076.0	1948.0	3169.1	4810.1	4910.1	4798.1	4672.1	4085.1
77.5°	259.0	266.0	308.0	465.0	948.0	2087.1	4152.1	4370.1	4298.1	4209.1	3222.1
80°	182.0	182.0	206.0	265.0	486.0	848.0	2877.1	3194.1	3305.1	3349.1	2155.1
82.5°	132.0	134.0	157.0	185.0	347.0	407.0	1413.0	1775.0	1950.0	2114.1	1205.0
85°	123.0	123.0	126.0	124.0	248.0	290.0	514.0	758.0	876.0	1027.0	487.0
87.5°	58.0	63.0	93.0	74.0	122.0	179.0	280.0	304.0	311.0	353.0	350.0
90°	38.0	38.0	31.0	32.0	60.0	145.0	225.0	230.0	221.0	259.0	326.0
92.5°	39.0	40.0	29.0	30.0	47.0	133.0	231.0	235.0	228.0	272.0	346.0
95°	36.0	36.0	25.0	26.0	37.0	102.0	231.0	235.0	215.0	271.0	346.0
97.5°	30.0	31.0	20.0	21.0	29.0	50.0	160.0	172.0	137.0	138.0	169.0
100°	26.0	26.0	16.0	17.0	21.0	23.0	81.0	85.0	76.0	34.0	23.0
102.5°	26.0	26.0	14.0	14.0	14.0	13.0	25.0	42.0	35.0	20.0	22.0
105°	25.0	26.0	13.0	11.0	11.0	10.0	13.0	16.0	16.0	16.0	23.0
107.5°	20.0	21.0	10.0	10.0	9.0	9.0	7.0	7.0	10.0	15.0	25.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	16.0	16.0	8.0	9.0	7.0	8.0	6.0	6.0	9.0	11.0	19.0
112.5°	9.0	9.0	6.0	7.0	6.0	7.0	6.0	6.0	7.0	9.0	12.0
115°	8.0	8.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0	13.0
117.5°	8.0	8.0	5.0	5.0	5.0	4.0	4.0	5.0	5.0	8.0	13.0
120°	8.0	8.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	8.0	13.0
122.5°	9.0	8.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	13.0
125°	9.0	8.0	6.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	11.0
127.5°	9.0	9.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	10.0
130°	9.0	8.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	9.0
132.5°	8.0	8.0	6.0	4.0	5.0	4.0	4.0	4.0	4.0	5.0	7.0
135°	7.0	7.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	6.0
137.5°	7.0	7.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0
140°	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	5.0	5.0
142.5°	8.0	8.0	7.0	6.0	6.0	5.0	4.0	4.0	5.0	5.0	5.0
145°	9.0	9.0	8.0	7.0	6.0	4.0	4.0	5.0	5.0	5.0	6.0
147.5°	9.0	9.0	8.0	6.0	5.0	4.0	4.0	5.0	5.0	6.0	6.0
150°	8.0	8.0	7.0	5.0	4.0	3.0	4.0	4.0	5.0	6.0	6.0
152.5°	6.0	6.0	5.0	4.0	3.0	2.0	3.0	4.0	4.0	5.0	6.0
155°	4.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	5.0
157.5°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0
160°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
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°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	8.0	9.0
5°	6.0	6.0	6.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.0
7.5°	7.0	7.0	7.0	8.0	9.0	11.0	25.0	88.0	120.0	131.0	128.0
10°	13.0	13.0	12.0	12.0	14.0	117.0	149.0	162.0	169.0	177.0	177.0
12.5°	104.0	120.0	43.0	24.0	116.0	164.0	176.0	185.0	191.0	199.0	199.0
15°	251.0	255.0	262.0	236.0	228.0	186.0	194.0	263.0	346.0	368.0	370.0
17.5°	282.0	287.0	292.0	346.0	368.0	285.0	328.0	369.0	377.0	385.0	385.0
20°	538.0	546.0	443.0	397.0	388.0	483.0	371.0	381.0	395.0	466.0	473.0
22.5°	610.0	615.0	576.0	601.0	440.0	505.0	488.0	488.0	546.0	550.0	551.0
25°	684.0	712.0	638.0	618.0	626.0	511.0	576.0	520.0	528.0	534.0	535.0
27.5°	998.0	994.0	934.0	707.0	628.0	619.0	559.0	513.0	600.0	623.0	624.0
30°	1061.0	1051.0	997.0	828.0	652.0	613.0	527.0	593.0	577.0	580.0	581.0
32.5°	1459.0	1443.0	1290.0	838.0	681.0	566.0	572.0	552.0	554.0	616.0	618.0
35°	1559.0	1537.0	1322.0	969.0	649.0	574.0	529.0	554.0	564.0	561.0	561.0
37.5°	1693.0	1651.0	1312.0	911.0	675.0	537.0	506.0	523.0	517.0	555.0	553.0
40°	1839.0	1780.0	1317.0	845.0	612.0	504.0	485.0	500.0	496.0	485.0	477.0
42.5°	2025.0	1923.0	1316.0	790.0	554.0	493.0	458.0	457.0	440.0	422.0	416.0
45°	2215.1	2074.1	1320.0	727.0	510.0	484.0	443.0	419.0	404.0	385.0	380.0
47.5°	2423.1	2235.1	1332.0	677.0	476.0	457.0	424.0	395.0	384.0	360.0	358.0
50°	2669.1	2404.1	1336.0	637.0	436.0	433.0	410.0	378.0	361.0	337.0	335.0
52.5°	2934.1	2583.1	1343.0	578.0	405.0	424.0	418.0	374.0	367.0	336.0	334.0
55°	3185.1	2753.1	1341.0	507.0	391.0	416.0	418.0	400.0	389.0	338.0	334.0
57.5°	3487.1	2937.1	1311.0	441.0	369.0	404.0	438.0	423.0	411.0	369.0	361.0
60°	3757.1	3127.1	1222.0	390.0	350.0	391.0	455.0	440.0	406.0	379.0	371.0
62.5°	4073.1	3291.1	1098.0	353.0	343.0	395.0	461.0	451.0	409.0	400.0	397.0
65°	4287.1	3353.1	910.0	323.0	342.0	395.0	459.0	461.0	431.0	440.0	439.0
67.5°	4313.1	3273.1	690.0	300.0	330.0	395.0	456.0	481.0	451.0	488.0	490.0
70°	4188.1	3073.1	503.0	277.0	317.0	390.0	457.0	494.0	466.0	524.0	520.0
72°	3900.1	2770.1	407.0	262.0	306.0	382.0	464.0	501.0	479.0	533.0	524.0
72.5°	3825.1	2677.1	389.0	260.0	304.0	381.0	466.0	503.0	480.0	542.0	531.0
75°	3201.1	2132.1	334.0	245.0	307.0	376.0	476.0	502.0	486.0	548.0	550.0
77.5°	2425.1	1437.0	296.0	232.0	306.0	367.0	473.0	494.0	477.0	527.0	538.0
80°	1501.0	836.0	263.0	231.0	304.0	363.0	460.0	473.0	452.0	492.0	495.0
82.5°	821.0	489.0	228.0	227.0	295.0	352.0	435.0	449.0	429.0	473.0	442.0
85°	420.0	332.0	171.0	186.0	258.0	331.0	406.0	405.0	385.0	401.0	379.0
87.5°	324.0	261.0	111.0	134.0	211.0	273.0	334.0	331.0	305.0	307.0	298.0
90°	298.0	233.0	73.0	95.0	176.0	196.0	232.0	223.0	205.0	209.0	206.0
92.5°	300.0	230.0	70.0	101.0	169.0	176.0	213.0	202.0	184.0	186.0	180.0
95°	293.0	221.0	70.0	89.0	140.0	125.0	153.0	149.0	134.0	127.0	124.0
97.5°	140.0	110.0	65.0	66.0	79.0	68.0	93.0	100.0	80.0	64.0	64.0
100°	24.0	37.0	57.0	67.0	57.0	43.0	59.0	68.0	46.0	21.0	23.0
102.5°	24.0	23.0	44.0	57.0	41.0	23.0	34.0	45.0	29.0	16.0	17.0
105°	26.0	24.0	21.0	39.0	24.0	12.0	13.0	23.0	16.0	16.0	16.0
107.5°	28.0	26.0	15.0	15.0	12.0	11.0	10.0	9.0	11.0	16.0	17.0



REPORT NUMBER: P416823

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.0	21.0	14.0	12.0	11.0	11.0	8.0	8.0	11.0	17.0	17.0
112.5°	15.0	15.0	12.0	10.0	9.0	11.0	8.0	8.0	10.0	17.0	18.0
115°	15.0	15.0	11.0	9.0	8.0	9.0	8.0	7.0	10.0	17.0	18.0
117.5°	15.0	15.0	11.0	8.0	7.0	7.0	6.0	7.0	10.0	17.0	18.0
120°	15.0	15.0	11.0	8.0	7.0	6.0	6.0	6.0	10.0	17.0	18.0
122.5°	14.0	14.0	10.0	7.0	6.0	5.0	5.0	6.0	9.0	16.0	17.0
125°	13.0	13.0	9.0	7.0	6.0	5.0	5.0	5.0	9.0	15.0	16.0
127.5°	12.0	12.0	9.0	6.0	5.0	5.0	5.0	5.0	8.0	14.0	15.0
130°	10.0	10.0	8.0	6.0	5.0	4.0	5.0	5.0	8.0	13.0	13.0
132.5°	8.0	8.0	6.0	5.0	5.0	4.0	4.0	5.0	7.0	11.0	12.0
135°	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	6.0	9.0	10.0
137.5°	5.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	6.0	8.0	8.0
140°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	6.0	7.0	8.0
142.5°	5.0	6.0	5.0	5.0	5.0	4.0	4.0	5.0	6.0	8.0	8.0
145°	6.0	6.0	6.0	5.0	5.0	3.0	3.0	5.0	6.0	8.0	8.0
147.5°	6.0	6.0	6.0	5.0	4.0	3.0	3.0	4.0	6.0	8.0	8.0
150°	6.0	6.0	6.0	5.0	4.0	2.0	2.0	4.0	5.0	7.0	8.0
152.5°	6.0	6.0	5.0	5.0	3.0	2.0	1.0	3.0	4.0	6.0	6.0
155°	5.0	5.0	5.0	4.0	3.0	1.0	0.0	1.0	3.0	5.0	5.0
157.5°	4.0	4.0	4.0	3.0	2.0	1.0	0.0	1.0	1.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	1.0	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)