

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: P416804

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8448.1 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

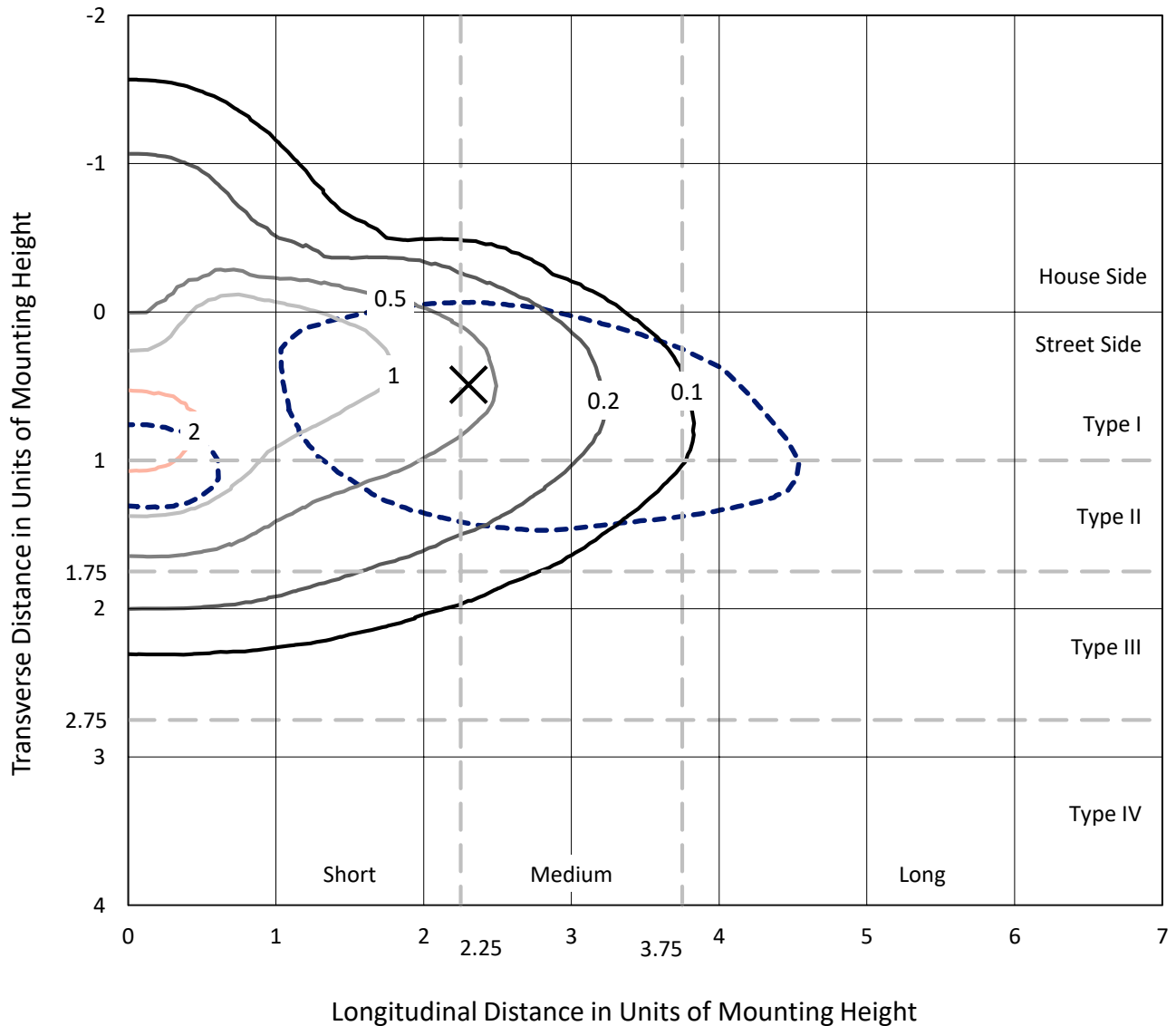
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

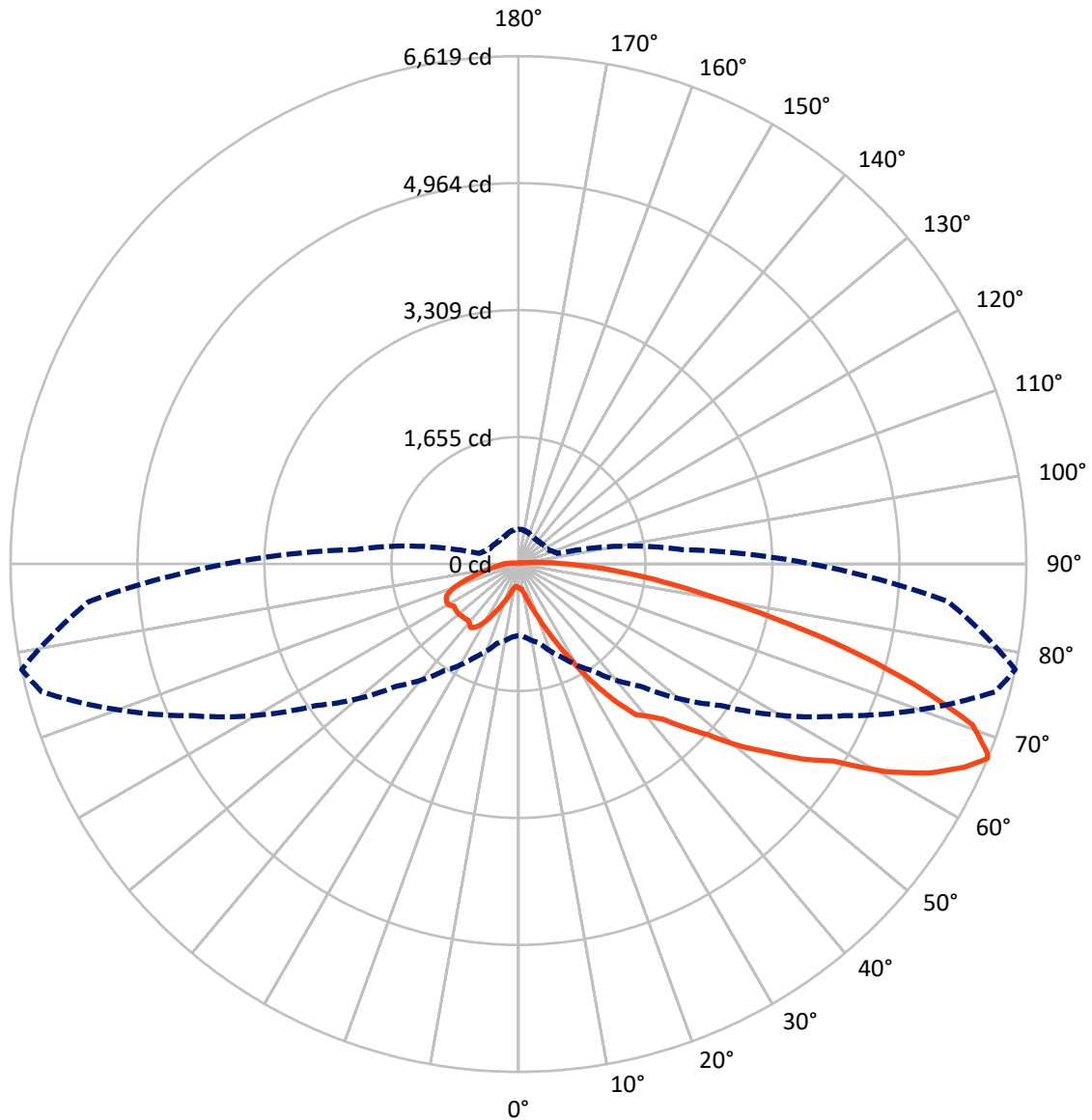
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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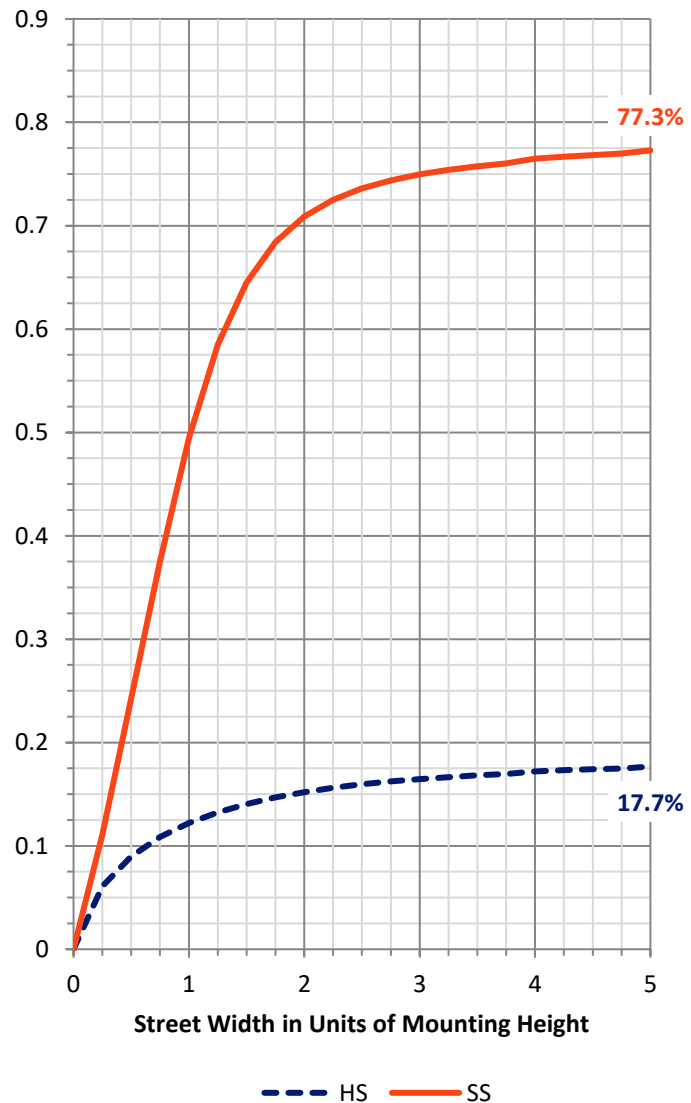
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1562.9	127.8	1690.8
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	6621.2	136.2	6757.3
	% Fixture	78.4	1.6	80.0
Total	Lumens	8184.1	264.0	8448.1
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	0.4
10°-20°	131.4	1.6
20°-30°	394.2	4.7
30°-40°	902.3	10.7
40°-50°	1441.2	17.1
50°-60°	1776.1	21.0
60°-70°	1851.2	21.9
70°-80°	1200.4	14.2
80°-90°	456.3	5.4
90°-100°	141.0	1.7
100°-110°	54.2	0.6
110°-120°	29.2	0.3
120°-130°	19.3	0.2
130°-140°	12.8	0.2
140°-150°	5.7	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8184.1	96.9
0°-180°	8448.1	100.0

Coefficient of Utilization



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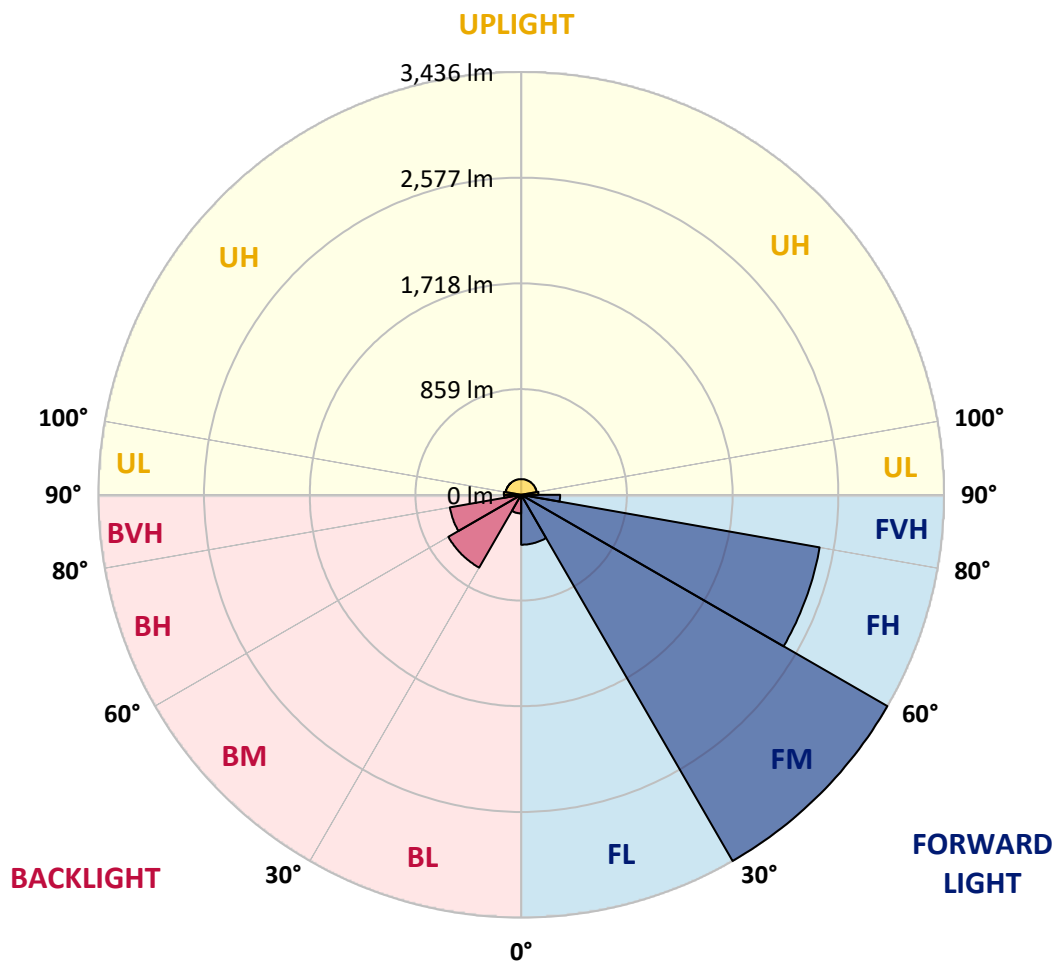
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.6	4.8			
FM	(30°-60°)	3436.2	40.7			
FH	(60°-80°)	2462.7	29.2			G2/5000
FVH	(80°-90°)	316.6	3.7			G3/500
BL	(0°-30°)	151.0	1.8	B1/500		
BM	(30°-60°)	683.3	8.1	B1/1000		
BH	(60°-80°)	588.8	7.0	B2/1000		G2/1000
BVH	(80°-90°)	139.8	1.7			G2/225
UL	(90°-100°)	141.0	1.7		U3/500	
UH	(100°-180°)	127.8	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0
2.5°	348.0	347.0	346.0	344.0	340.0	336.0	330.0	322.0	316.0	315.0	309.0
5°	392.0	389.0	389.0	384.0	376.0	368.0	356.0	342.0	331.0	325.0	316.0
7.5°	446.0	440.0	442.0	434.0	423.0	409.0	390.0	371.0	350.0	344.0	331.0
10°	511.0	507.0	503.0	493.0	480.0	458.0	440.0	412.0	384.0	376.0	356.0
12.5°	590.0	591.0	579.0	568.0	546.0	524.0	502.0	475.0	444.0	435.0	409.0
15°	701.0	700.0	687.0	662.0	635.0	611.0	593.0	564.0	534.0	524.0	485.0
17.5°	831.0	828.0	818.0	774.0	747.0	728.0	702.0	684.0	641.0	630.0	582.0
20°	1020.9	1002.9	979.9	920.9	881.0	857.0	836.0	813.0	767.0	748.0	691.0
22.5°	1231.9	1240.9	1198.9	1107.9	1040.9	996.9	974.9	962.9	927.9	915.0	829.0
25°	1493.9	1493.9	1427.9	1327.9	1240.9	1158.9	1153.9	1167.9	1120.9	1111.9	1020.9
27.5°	1769.9	1780.9	1693.9	1586.9	1454.9	1358.9	1353.9	1365.9	1361.9	1335.9	1205.9
30°	2084.9	2074.9	1976.9	1846.9	1671.9	1558.9	1544.9	1631.9	1638.9	1620.9	1478.9
32.5°	2451.9	2443.9	2320.9	2119.9	1903.9	1773.9	1782.9	1905.9	1953.9	1922.9	1756.9
35°	2897.8	2907.8	2714.9	2431.9	2146.9	1996.9	2006.9	2160.9	2250.9	2212.9	2025.9
37.5°	3355.8	3358.8	3181.8	2798.8	2407.9	2194.9	2218.9	2406.9	2522.9	2491.9	2234.9
40°	3645.8	3675.8	3505.8	3141.8	2682.9	2392.9	2412.9	2598.9	2666.9	2608.9	2306.9
42.5°	3899.8	3922.8	3749.8	3358.8	2891.8	2569.9	2562.9	2703.9	2801.8	2765.8	2454.9
45°	4024.8	4069.8	3913.8	3509.8	3038.8	2707.9	2653.9	2864.8	3082.8	3037.8	2694.9
47.5°	3933.8	3988.8	3922.8	3588.8	3104.8	2794.8	2806.8	3096.8	3378.8	3328.8	2956.8
50°	3636.8	3702.8	3724.8	3529.8	3121.8	2837.8	2965.8	3355.8	3733.8	3723.8	3278.8
52.5°	3278.8	3313.8	3409.8	3351.8	3058.8	2887.8	3137.8	3606.8	4099.8	4068.8	3545.8
55°	2947.8	2993.8	3072.8	3038.8	2902.8	2893.8	3273.8	3886.8	4488.8	4484.8	3881.8
57.5°	2491.9	2555.9	2721.9	2740.9	2700.9	2856.8	3372.8	4106.8	4832.7	4846.7	4218.8
60°	1912.9	1966.9	2218.9	2419.9	2454.9	2769.8	3422.8	4348.8	5420.7	5493.7	4807.7
62.5°	1550.9	1560.9	1751.9	2002.9	2240.9	2610.9	3430.8	4654.7	5934.7	6000.7	5160.7
65°	1160.9	1158.9	1334.9	1620.9	1951.9	2424.9	3405.8	4750.7	6213.7	6382.7	5497.7
67°	932.9	954.9	1067.9	1339.9	1701.9	2250.9	3211.8	4679.7	6432.6	6618.6	5620.7
67.5°	897.0	908.0	1010.9	1267.9	1644.9	2198.9	3154.8	4661.7	6431.6	6589.6	5583.7
70°	716.0	731.0	806.0	975.9	1315.9	1857.9	2753.8	4243.8	6050.7	6280.7	5244.7
72.5°	553.0	565.0	618.0	747.0	1001.9	1495.9	2277.9	3651.8	5239.7	5421.7	4446.8
75°	421.0	425.0	475.0	563.0	765.0	1140.9	1758.9	2875.8	4308.8	4446.8	3613.8
77.5°	326.0	335.0	373.0	432.0	568.0	859.0	1323.9	2239.9	3427.8	3406.8	2747.8
80°	254.0	262.0	290.0	331.0	426.0	631.0	968.9	1655.9	2503.9	2528.9	2011.9
82.5°	204.0	210.0	229.0	259.0	328.0	480.0	708.0	1237.9	1903.9	1894.9	1474.9
85°	163.0	167.0	181.0	207.0	253.0	364.0	523.0	919.9	1343.9	1354.9	1006.9
87.5°	127.0	132.0	148.0	164.0	200.0	277.0	386.0	638.0	894.0	903.0	692.0
90°	99.0	102.0	116.0	133.0	162.0	210.0	279.0	437.0	576.0	565.0	445.0
92.5°	73.0	76.0	89.0	105.0	126.0	162.0	201.0	280.0	337.0	344.0	278.0
95°	52.0	55.0	66.0	78.0	96.0	123.0	143.0	178.0	207.0	201.0	178.0
97.5°	40.0	41.0	49.0	58.0	73.0	95.0	106.0	123.0	136.0	133.0	124.0
100°	32.0	33.0	39.0	44.0	57.0	75.0	85.0	94.0	102.0	99.0	95.0
102.5°	27.0	28.0	32.0	36.0	47.0	63.0	69.0	75.0	78.0	78.0	76.0
105°	23.0	24.0	27.0	31.0	40.0	52.0	56.0	59.0	62.0	61.0	61.0
107.5°	21.0	21.0	24.0	27.0	35.0	44.0	46.0	47.0	48.0	48.0	50.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	19.0	20.0	22.0	24.0	31.0	39.0	39.0	38.0	38.0	38.0	41.0
112.5°	18.0	19.0	20.0	23.0	29.0	34.0	33.0	31.0	31.0	32.0	35.0
115°	18.0	18.0	19.0	22.0	27.0	31.0	29.0	26.0	26.0	27.0	30.0
117.5°	18.0	18.0	20.0	22.0	26.0	28.0	26.0	23.0	22.0	23.0	26.0
120°	19.0	19.0	20.0	22.0	24.0	26.0	24.0	21.0	20.0	21.0	24.0
122.5°	20.0	20.0	20.0	22.0	23.0	24.0	22.0	19.0	18.0	19.0	22.0
125°	21.0	21.0	21.0	22.0	23.0	22.0	20.0	18.0	18.0	18.0	21.0
127.5°	23.0	23.0	23.0	23.0	22.0	21.0	19.0	17.0	18.0	18.0	20.0
130°	25.0	25.0	24.0	23.0	22.0	20.0	18.0	16.0	17.0	18.0	20.0
132.5°	26.0	25.0	24.0	22.0	21.0	18.0	16.0	15.0	16.0	17.0	19.0
135°	24.0	24.0	22.0	20.0	19.0	16.0	14.0	14.0	15.0	16.0	17.0
137.5°	21.0	21.0	20.0	18.0	17.0	15.0	13.0	12.0	14.0	15.0	16.0
140°	18.0	18.0	17.0	15.0	14.0	13.0	11.0	10.0	12.0	13.0	14.0
142.5°	15.0	15.0	14.0	12.0	12.0	11.0	9.0	9.0	11.0	11.0	12.0
145°	12.0	12.0	12.0	10.0	10.0	9.0	7.0	8.0	9.0	10.0	10.0
147.5°	10.0	10.0	10.0	8.0	8.0	7.0	5.0	6.0	7.0	8.0	8.0
150°	8.0	8.0	8.0	7.0	6.0	5.0	4.0	5.0	5.0	6.0	6.0
152.5°	6.0	6.0	6.0	5.0	5.0	3.0	3.0	4.0	4.0	5.0	5.0
155°	4.0	4.0	5.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0
2.5°	306.0	304.0	299.0	294.0	289.0	285.0	280.0	279.0	279.0	277.0	277.0
5°	310.0	304.0	292.0	282.0	271.0	262.0	255.0	252.0	249.0	247.0	245.0
7.5°	319.0	309.0	289.0	273.0	257.0	243.0	233.0	228.0	225.0	222.0	223.0
10°	340.0	325.0	296.0	270.0	246.0	227.0	215.0	209.0	207.0	204.0	204.0
12.5°	385.0	365.0	323.0	279.0	242.0	216.0	202.0	200.0	202.0	205.0	205.0
15°	456.0	426.0	365.0	304.0	251.0	214.0	206.0	212.0	219.0	223.0	223.0
17.5°	543.0	502.0	415.0	333.0	264.0	232.0	222.0	230.0	239.0	245.0	245.0
20°	639.0	584.0	466.0	358.0	283.0	257.0	246.0	253.0	265.0	274.0	273.0
22.5°	764.0	684.0	525.0	380.0	306.0	280.0	273.0	282.0	300.0	312.0	313.0
25°	918.9	809.0	594.0	409.0	327.0	300.0	302.0	318.0	342.0	355.0	355.0
27.5°	1083.9	944.9	653.0	438.0	349.0	321.0	331.0	353.0	379.0	394.0	396.0
30°	1301.9	1119.9	727.0	467.0	368.0	342.0	354.0	380.0	399.0	408.0	409.0
32.5°	1523.9	1285.9	786.0	497.0	386.0	357.0	368.0	393.0	410.0	420.0	419.0
35°	1724.9	1419.9	821.0	511.0	402.0	368.0	373.0	400.0	410.0	416.0	415.0
37.5°	1878.9	1515.9	834.0	514.0	408.0	373.0	375.0	398.0	412.0	423.0	421.0
40°	1904.9	1502.9	785.0	496.0	407.0	373.0	377.0	403.0	418.0	423.0	422.0
42.5°	2000.9	1538.9	743.0	464.0	395.0	372.0	381.0	405.0	412.0	409.0	406.0
45°	2167.9	1614.9	731.0	448.0	380.0	369.0	383.0	400.0	399.0	393.0	391.0
47.5°	2332.9	1687.9	705.0	441.0	376.0	368.0	382.0	394.0	397.0	391.0	389.0
50°	2542.9	1784.9	684.0	431.0	377.0	368.0	380.0	394.0	396.0	386.0	385.0
52.5°	2730.9	1851.9	653.0	422.0	378.0	371.0	380.0	394.0	395.0	385.0	383.0
55°	2926.8	1922.9	621.0	413.0	381.0	374.0	383.0	395.0	396.0	389.0	387.0
57.5°	3122.8	1984.9	585.0	406.0	384.0	380.0	385.0	396.0	404.0	402.0	402.0
60°	3522.8	2162.9	579.0	407.0	387.0	385.0	387.0	401.0	416.0	411.0	412.0
62.5°	3680.8	2200.9	568.0	420.0	396.0	389.0	390.0	405.0	421.0	428.0	427.0
65°	3824.8	2203.9	546.0	429.0	407.0	392.0	392.0	406.0	433.0	449.0	449.0
67°	3816.8	2143.9	530.0	430.0	412.0	395.0	391.0	406.0	434.0	452.0	453.0
67.5°	3770.8	2104.9	524.0	430.0	413.0	395.0	390.0	405.0	434.0	453.0	453.0
70°	3493.8	1899.9	485.0	419.0	410.0	390.0	384.0	395.0	428.0	454.0	454.0
72.5°	2893.8	1563.9	430.0	392.0	391.0	377.0	368.0	380.0	412.0	439.0	438.0
75°	2338.9	1249.9	375.0	352.0	362.0	352.0	345.0	354.0	385.0	412.0	410.0
77.5°	1747.9	938.9	324.0	314.0	328.0	321.0	315.0	324.0	354.0	380.0	376.0
80°	1291.9	724.0	282.0	278.0	288.0	286.0	284.0	288.0	314.0	331.0	328.0
82.5°	950.9	551.0	243.0	240.0	252.0	252.0	252.0	255.0	274.0	280.0	277.0
85°	676.0	415.0	214.0	206.0	216.0	221.0	224.0	225.0	235.0	236.0	229.0
87.5°	476.0	327.0	192.0	175.0	180.0	191.0	196.0	195.0	199.0	196.0	189.0
90°	332.0	257.0	174.0	149.0	149.0	160.0	168.0	167.0	168.0	160.0	153.0
92.5°	234.0	194.0	147.0	123.0	121.0	132.0	139.0	138.0	138.0	130.0	123.0
95°	157.0	143.0	117.0	99.0	96.0	105.0	112.0	110.0	110.0	102.0	99.0
97.5°	116.0	109.0	96.0	84.0	78.0	83.0	88.0	88.0	89.0	84.0	81.0
100°	91.0	88.0	82.0	72.0	66.0	67.0	70.0	70.0	74.0	70.0	68.0
102.5°	76.0	74.0	69.0	62.0	57.0	56.0	58.0	59.0	64.0	61.0	60.0
105°	63.0	62.0	59.0	53.0	49.0	49.0	49.0	50.0	55.0	53.0	53.0
107.5°	51.0	51.0	51.0	46.0	43.0	43.0	42.0	43.0	47.0	47.0	47.0



REPORT NUMBER: P416804

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.0	43.0	44.0	40.0	38.0	38.0	37.0	38.0	42.0	43.0	43.0
112.5°	37.0	37.0	38.0	36.0	34.0	34.0	33.0	33.0	37.0	40.0	40.0
115°	32.0	33.0	33.0	32.0	31.0	30.0	29.0	30.0	34.0	37.0	37.0
117.5°	28.0	29.0	30.0	29.0	28.0	27.0	26.0	27.0	31.0	35.0	35.0
120°	25.0	26.0	27.0	27.0	26.0	25.0	23.0	25.0	28.0	32.0	33.0
122.5°	23.0	24.0	24.0	24.0	24.0	22.0	21.0	22.0	25.0	29.0	30.0
125°	22.0	22.0	23.0	23.0	22.0	20.0	19.0	20.0	22.0	25.0	26.0
127.5°	21.0	21.0	22.0	22.0	20.0	18.0	17.0	18.0	20.0	22.0	22.0
130°	21.0	21.0	21.0	20.0	19.0	17.0	15.0	16.0	18.0	20.0	20.0
132.5°	20.0	19.0	19.0	19.0	17.0	15.0	14.0	14.0	16.0	18.0	18.0
135°	18.0	18.0	17.0	17.0	16.0	13.0	12.0	12.0	14.0	16.0	16.0
137.5°	16.0	16.0	15.0	15.0	14.0	12.0	10.0	11.0	13.0	13.0	14.0
140°	14.0	14.0	13.0	13.0	12.0	10.0	8.0	9.0	11.0	11.0	12.0
142.5°	12.0	12.0	12.0	11.0	10.0	8.0	7.0	8.0	10.0	10.0	10.0
145°	10.0	10.0	10.0	9.0	8.0	6.0	5.0	7.0	9.0	8.0	8.0
147.5°	8.0	8.0	8.0	8.0	6.0	5.0	4.0	6.0	7.0	7.0	7.0
150°	6.0	6.0	6.0	6.0	5.0	3.0	3.0	5.0	6.0	6.0	6.0
152.5°	5.0	5.0	5.0	6.0	5.0	2.0	2.0	4.0	5.0	5.0	5.0
155°	4.0	4.0	5.0	5.0	4.0	2.0	1.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	4.0	4.0	3.0	2.0	1.0	2.0	4.0	3.0	3.0
160°	2.0	3.0	3.0	3.0	3.0	2.0	0.0	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)