

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: P416815

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
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-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8476.1 lumens
Efficiency: N/A
Efficacy: 102.1 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

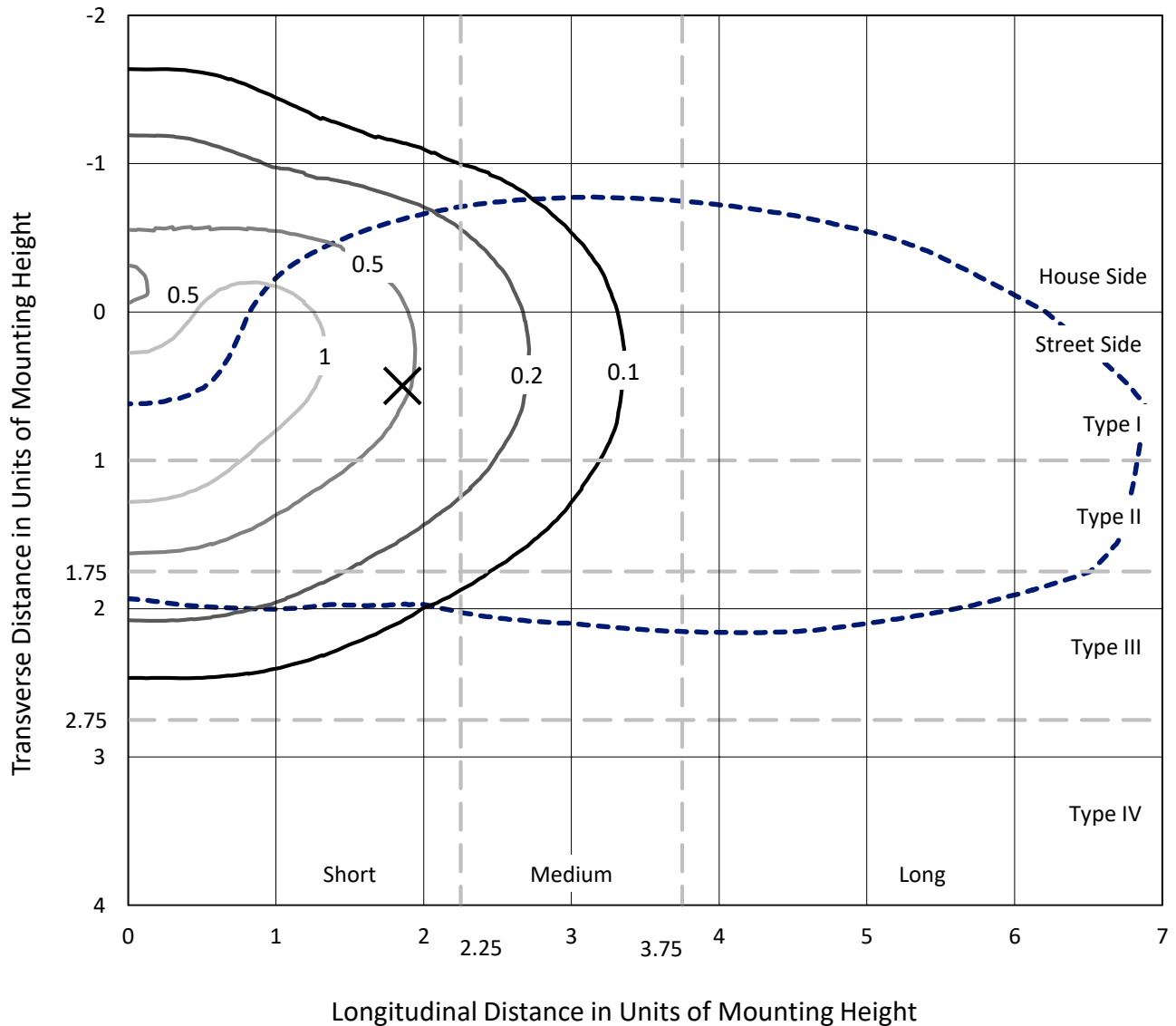
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

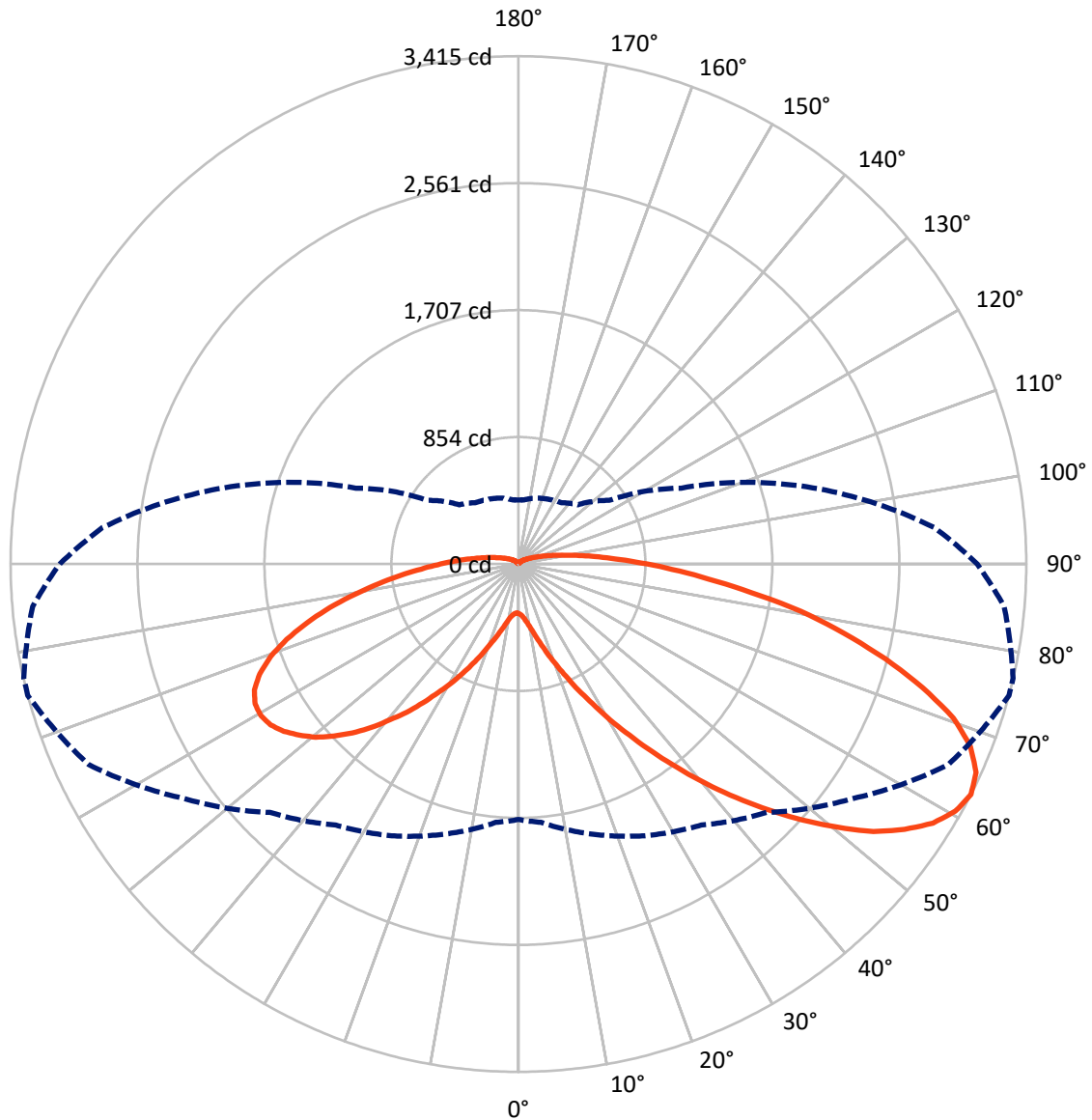


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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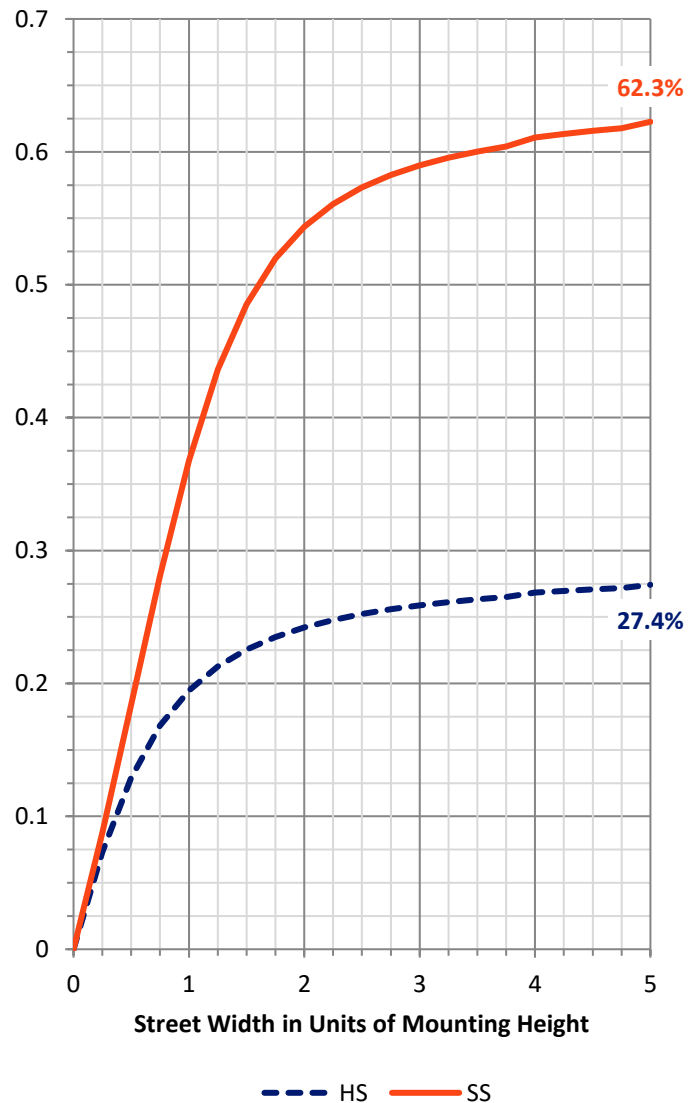
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2424.0	257.8	2681.8
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	5440.5	353.9	5794.3
	% Fixture	64.2	4.2	68.4
Total	Lumens	7864.4	611.6	8476.1
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	0.4
10°-20°	147.5	1.7
20°-30°	381.7	4.5
30°-40°	781.0	9.2
40°-50°	1295.2	15.3
50°-60°	1680.2	19.8
60°-70°	1654.8	19.5
70°-80°	1216.0	14.3
80°-90°	673.0	7.9
90°-100°	317.8	3.7
100°-110°	151.9	1.8
110°-120°	77.5	0.9
120°-130°	40.1	0.5
130°-140°	18.4	0.2
140°-150°	5.4	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7864.4	92.8
0°-180°	8476.1	100.0



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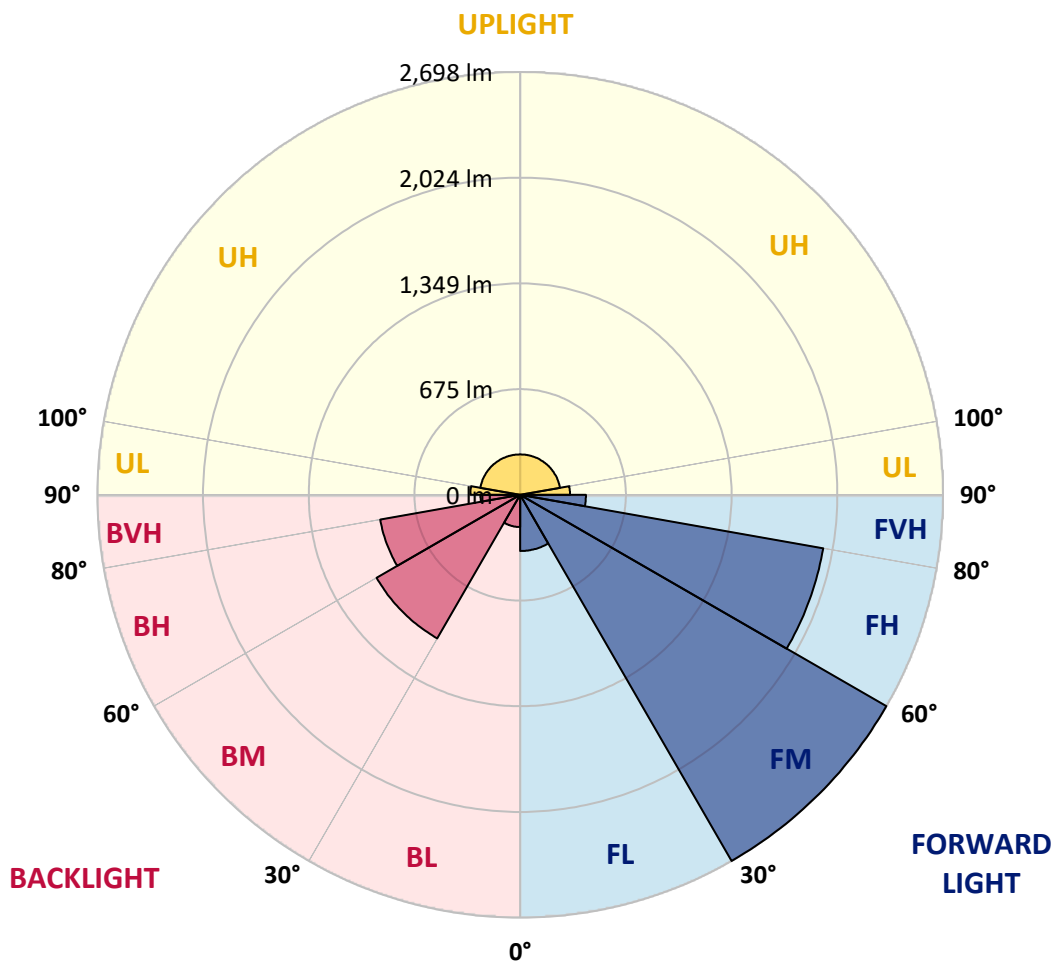
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.6	4.2			
FM	(30°-60°)	2698.3	31.8			
FH	(60°-80°)	1964.1	23.2			G2/5000
FVH	(80°-90°)	419.4	4.9			G3/500
BL	(0°-30°)	205.7	2.4	B1/500		
BM	(30°-60°)	1058.1	12.5	B2/2500		
BH	(60°-80°)	906.7	10.7	B2/1000		G2/1000
BVH	(80°-90°)	253.5	3.0			G3/500
UL	(90°-100°)	317.8	3.7		U3/500	
UH	(100°-180°)	257.8	3.0		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°	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0
2.5°	371.0	368.0	366.0	363.0	361.0	357.0	353.0	347.0	342.0	341.0	337.0
5°	410.0	405.0	405.0	400.0	393.0	388.0	380.0	370.0	362.0	357.0	353.0
7.5°	460.0	456.0	451.0	447.0	440.0	431.0	420.0	407.0	391.0	388.0	378.0
10°	516.0	514.0	510.0	502.0	493.0	481.0	466.0	450.0	432.0	429.0	412.0
12.5°	590.0	590.0	584.0	573.0	560.0	538.0	525.0	508.0	487.0	484.0	460.0
15°	681.0	677.0	669.0	650.0	635.0	617.0	601.0	579.0	551.0	546.0	524.0
17.5°	781.0	773.0	769.0	751.0	731.0	709.0	687.0	663.0	632.0	624.0	598.0
20°	893.0	898.0	883.0	863.0	833.0	811.0	786.0	755.0	721.0	715.0	684.0
22.5°	1034.0	1030.0	1009.0	981.0	952.0	928.0	896.0	865.0	819.0	813.0	777.0
25°	1190.0	1186.0	1159.0	1124.0	1091.0	1048.0	1011.0	978.0	940.0	931.0	888.0
27.5°	1342.9	1362.9	1321.9	1279.0	1240.0	1192.0	1148.0	1106.0	1063.0	1056.0	1011.0
30°	1551.9	1556.9	1508.9	1449.9	1396.9	1336.9	1291.0	1253.0	1216.0	1193.0	1152.0
32.5°	1769.9	1753.9	1715.9	1643.9	1559.9	1492.9	1441.9	1406.9	1371.9	1359.9	1300.0
35°	1985.9	1985.9	1926.9	1829.9	1719.9	1651.9	1601.9	1580.9	1548.9	1529.9	1462.9
37.5°	2197.9	2194.9	2134.9	2020.9	1907.9	1814.9	1782.9	1758.9	1736.9	1717.9	1635.9
40°	2406.9	2401.9	2329.9	2218.9	2086.9	1990.9	1964.9	1968.9	1942.9	1916.9	1834.9
42.5°	2574.9	2572.9	2515.9	2404.9	2246.9	2161.9	2135.9	2159.9	2147.9	2122.9	2026.9
45°	2708.9	2699.9	2654.9	2541.9	2398.9	2308.9	2315.9	2373.9	2359.9	2347.9	2228.9
47.5°	2764.9	2763.9	2738.9	2640.9	2508.9	2445.9	2485.9	2566.9	2571.9	2561.9	2428.9
50°	2749.9	2753.9	2751.9	2691.9	2583.9	2551.9	2628.9	2766.9	2782.9	2772.9	2635.9
52.5°	2661.9	2663.9	2696.9	2670.9	2609.9	2618.9	2755.9	2932.9	2988.9	2961.9	2818.9
55°	2475.9	2500.9	2565.9	2580.9	2572.9	2633.9	2831.9	3064.9	3149.9	3140.9	2977.9
57.5°	2283.9	2271.9	2364.9	2436.9	2478.9	2593.9	2856.9	3158.9	3286.9	3274.9	3119.9
60°	2003.9	2021.9	2135.9	2238.9	2327.9	2497.9	2833.9	3208.9	3375.9	3368.9	3223.9
62.5°	1717.9	1743.9	1878.9	2015.9	2142.9	2361.9	2747.9	3189.9	3414.9	3413.9	3278.9
65°	1448.9	1476.9	1600.9	1766.9	1928.9	2177.9	2597.9	3108.9	3381.9	3383.9	3268.9
67.5°	1210.0	1225.0	1354.9	1537.9	1695.9	1961.9	2404.9	2948.9	3277.9	3288.9	3188.9
70°	997.0	1008.0	1134.0	1297.0	1479.9	1720.9	2170.9	2743.9	3103.9	3107.9	3044.9
72.5°	818.0	828.0	949.0	1094.0	1263.0	1509.9	1929.9	2463.9	2841.9	2881.9	2822.9
75°	654.0	674.0	778.0	919.0	1070.0	1290.0	1674.9	2162.9	2547.9	2581.9	2572.9
77.5°	533.0	560.0	643.0	764.0	903.0	1094.0	1419.9	1865.9	2236.9	2264.9	2271.9
80°	430.0	450.0	533.0	640.0	758.0	924.0	1187.0	1575.9	1923.9	1926.9	1923.9
82.5°	349.0	364.0	438.0	535.0	639.0	777.0	995.0	1314.9	1577.9	1609.9	1615.9
85°	284.0	295.0	359.0	446.0	534.0	651.0	821.0	1074.0	1282.0	1314.9	1304.0
87.5°	228.0	243.0	294.0	368.0	450.0	543.0	683.0	869.0	1035.0	1049.0	1047.0
90°	187.0	192.0	243.0	306.0	380.0	451.0	558.0	700.0	824.0	849.0	832.0
92.5°	151.0	159.0	202.0	259.0	317.0	379.0	463.0	575.0	652.0	667.0	659.0
95°	127.0	131.0	170.0	217.0	267.0	323.0	382.0	459.0	516.0	521.0	523.0
97.5°	106.0	110.0	142.0	185.0	228.0	273.0	318.0	375.0	413.0	412.0	409.0
100°	91.0	93.0	122.0	161.0	199.0	232.0	267.0	302.0	325.0	332.0	321.0
102.5°	79.0	80.0	105.0	139.0	171.0	200.0	226.0	251.0	260.0	261.0	256.0
105°	70.0	71.0	92.0	120.0	149.0	171.0	191.0	206.0	210.0	210.0	204.0
107.5°	62.0	63.0	79.0	106.0	132.0	150.0	164.0	172.0	170.0	169.0	165.0
110°	57.0	57.0	70.0	94.0	115.0	131.0	142.0	143.0	138.0	138.0	134.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	52.0	52.0	62.0	83.0	102.0	116.0	123.0	121.0	114.0	112.0	112.0
115°	48.0	48.0	55.0	73.0	91.0	102.0	107.0	102.0	94.0	93.0	92.0
117.5°	45.0	45.0	50.0	65.0	80.0	90.0	93.0	88.0	79.0	78.0	78.0
120°	42.0	42.0	46.0	57.0	71.0	79.0	81.0	75.0	66.0	66.0	67.0
122.5°	40.0	40.0	42.0	51.0	63.0	70.0	70.0	64.0	56.0	56.0	57.0
125°	38.0	38.0	39.0	45.0	55.0	61.0	60.0	53.0	48.0	48.0	49.0
127.5°	36.0	36.0	36.0	40.0	48.0	53.0	52.0	45.0	41.0	41.0	43.0
130°	34.0	34.0	33.0	35.0	41.0	45.0	43.0	38.0	35.0	35.0	37.0
132.5°	32.0	32.0	30.0	31.0	35.0	37.0	35.0	31.0	30.0	30.0	31.0
135°	30.0	29.0	28.0	27.0	29.0	30.0	28.0	25.0	25.0	25.0	27.0
137.5°	27.0	27.0	25.0	23.0	23.0	23.0	22.0	19.0	20.0	21.0	22.0
140°	25.0	25.0	23.0	20.0	18.0	18.0	16.0	15.0	16.0	17.0	18.0
142.5°	22.0	22.0	20.0	17.0	14.0	12.0	11.0	10.0	12.0	13.0	13.0
145°	19.0	19.0	17.0	13.0	10.0	7.0	6.0	7.0	8.0	9.0	10.0
147.5°	16.0	15.0	13.0	10.0	5.0	3.0	2.0	4.0	5.0	5.0	6.0
150°	12.0	12.0	10.0	7.0	3.0	0.0	1.0	2.0	3.0	3.0	4.0
152.5°	9.0	8.0	7.0	4.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
155°	5.0	5.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0
2.5°	335.0	332.0	328.0	325.0	322.0	318.0	316.0	313.0	313.0	313.0	315.0
5°	347.0	343.0	334.0	326.0	318.0	312.0	306.0	302.0	300.0	298.0	299.0
7.5°	369.0	364.0	350.0	336.0	325.0	314.0	306.0	299.0	296.0	295.0	295.0
10°	403.0	394.0	373.0	354.0	338.0	323.0	312.0	303.0	299.0	296.0	296.0
12.5°	449.0	436.0	411.0	385.0	361.0	341.0	325.0	318.0	315.0	313.0	314.0
15°	510.0	496.0	458.0	424.0	393.0	366.0	351.0	344.0	340.0	338.0	337.0
17.5°	581.0	561.0	515.0	471.0	432.0	402.0	383.0	372.0	365.0	361.0	362.0
20°	659.0	633.0	574.0	526.0	476.0	446.0	417.0	399.0	390.0	388.0	389.0
22.5°	747.0	720.0	652.0	582.0	530.0	485.0	450.0	427.0	416.0	415.0	415.0
25°	851.0	815.0	735.0	647.0	580.0	523.0	482.0	454.0	442.0	438.0	438.0
27.5°	969.0	921.0	822.0	721.0	629.0	557.0	509.0	477.0	464.0	461.0	461.0
30°	1099.0	1049.0	923.0	791.0	676.0	587.0	533.0	499.0	482.0	478.0	479.0
32.5°	1242.0	1177.0	1018.0	866.0	717.0	611.0	549.0	515.0	496.0	491.0	491.0
35°	1396.9	1320.9	1131.0	939.0	756.0	630.0	561.0	526.0	505.0	500.0	499.0
37.5°	1570.9	1475.9	1248.0	1006.0	787.0	642.0	569.0	533.0	510.0	503.0	502.0
40°	1752.9	1643.9	1355.9	1067.0	813.0	649.0	571.0	536.0	512.0	501.0	500.0
42.5°	1922.9	1802.9	1478.9	1123.0	829.0	652.0	570.0	535.0	510.0	495.0	494.0
45°	2110.9	1963.9	1591.9	1174.0	839.0	650.0	566.0	530.0	506.0	487.0	485.0
47.5°	2307.9	2138.9	1695.9	1211.0	843.0	644.0	561.0	526.0	499.0	478.0	476.0
50°	2485.9	2288.9	1792.9	1240.0	841.0	635.0	553.0	520.0	493.0	469.0	467.0
52.5°	2659.9	2445.9	1868.9	1256.0	831.0	625.0	546.0	513.0	486.0	461.0	458.0
55°	2817.9	2569.9	1936.9	1263.0	818.0	612.0	536.0	507.0	480.0	453.0	450.0
57.5°	2939.9	2686.9	1986.9	1254.0	798.0	597.0	526.0	498.0	473.0	446.0	443.0
60°	3029.9	2763.9	2009.9	1237.0	775.0	580.0	514.0	489.0	466.0	440.0	437.0
62.5°	3083.9	2806.9	2004.9	1207.0	746.0	563.0	503.0	480.0	459.0	433.0	431.0
65°	3074.9	2789.9	1966.9	1159.0	715.0	541.0	486.0	468.0	449.0	425.0	422.0
67.5°	3001.9	2720.9	1889.9	1099.0	680.0	519.0	470.0	452.0	436.0	415.0	409.0
70°	2871.9	2593.9	1778.9	1024.0	640.0	494.0	451.0	434.0	420.0	400.0	394.0
72.5°	2652.9	2408.9	1637.9	946.0	597.0	465.0	426.0	412.0	397.0	381.0	374.0
75°	2402.9	2176.9	1471.9	854.0	551.0	436.0	400.0	386.0	372.0	355.0	349.0
77.5°	2130.9	1913.9	1300.0	773.0	504.0	403.0	371.0	359.0	345.0	327.0	320.0
80°	1805.9	1632.9	1117.0	680.0	457.0	371.0	341.0	328.0	313.0	296.0	289.0
82.5°	1512.9	1359.9	948.0	596.0	410.0	338.0	312.0	293.0	279.0	262.0	250.0
85°	1237.0	1130.0	795.0	512.0	366.0	304.0	278.0	262.0	246.0	226.0	218.0
87.5°	995.0	904.0	653.0	442.0	323.0	271.0	247.0	231.0	213.0	192.0	185.0
90°	787.0	731.0	543.0	380.0	286.0	243.0	219.0	202.0	182.0	163.0	159.0
92.5°	624.0	585.0	449.0	323.0	252.0	215.0	193.0	176.0	156.0	137.0	131.0
95°	502.0	464.0	368.0	282.0	221.0	189.0	170.0	154.0	134.0	115.0	111.0
97.5°	401.0	371.0	302.0	237.0	194.0	168.0	151.0	134.0	114.0	97.0	95.0
100°	314.0	296.0	250.0	204.0	171.0	149.0	133.0	118.0	98.0	81.0	80.0
102.5°	251.0	241.0	208.0	176.0	150.0	132.0	119.0	103.0	85.0	69.0	68.0
105°	202.0	196.0	173.0	151.0	133.0	118.0	106.0	90.0	72.0	59.0	59.0
107.5°	164.0	159.0	145.0	129.0	117.0	106.0	93.0	79.0	62.0	51.0	51.0
110°	134.0	132.0	123.0	112.0	103.0	94.0	82.0	68.0	53.0	45.0	45.0



REPORT NUMBER: P416815

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	112.0	111.0	104.0	98.0	91.0	83.0	73.0	60.0	46.0	39.0	40.0
115°	93.0	93.0	89.0	85.0	80.0	74.0	64.0	51.0	39.0	35.0	35.0
117.5°	79.0	78.0	77.0	74.0	71.0	65.0	55.0	44.0	33.0	31.0	32.0
120°	68.0	68.0	66.0	65.0	62.0	56.0	48.0	37.0	28.0	28.0	28.0
122.5°	58.0	59.0	57.0	56.0	54.0	50.0	41.0	31.0	25.0	24.0	25.0
125°	51.0	51.0	50.0	49.0	47.0	42.0	35.0	26.0	21.0	22.0	22.0
127.5°	43.0	44.0	43.0	42.0	41.0	36.0	29.0	21.0	18.0	19.0	19.0
130°	38.0	38.0	37.0	36.0	34.0	30.0	24.0	17.0	16.0	17.0	17.0
132.5°	32.0	32.0	32.0	30.0	28.0	25.0	19.0	14.0	13.0	15.0	15.0
135°	27.0	27.0	27.0	25.0	23.0	19.0	14.0	11.0	11.0	13.0	13.0
137.5°	22.0	23.0	22.0	20.0	18.0	15.0	11.0	8.0	9.0	11.0	11.0
140°	18.0	18.0	17.0	16.0	13.0	10.0	7.0	6.0	8.0	9.0	9.0
142.5°	14.0	14.0	13.0	11.0	9.0	7.0	4.0	4.0	6.0	7.0	7.0
145°	10.0	10.0	9.0	7.0	5.0	3.0	1.0	2.0	4.0	5.0	5.0
147.5°	6.0	6.0	6.0	5.0	3.0	1.0	0.0	1.0	2.0	3.0	3.0
150°	4.0	4.0	4.0	3.0	2.0	0.0	0.0	0.0	1.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)