

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: P415575

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415575
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-PA1-50-750-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA 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: 6369.9 lumens
Efficiency: N/A
Efficacy: 118.0 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 - G2

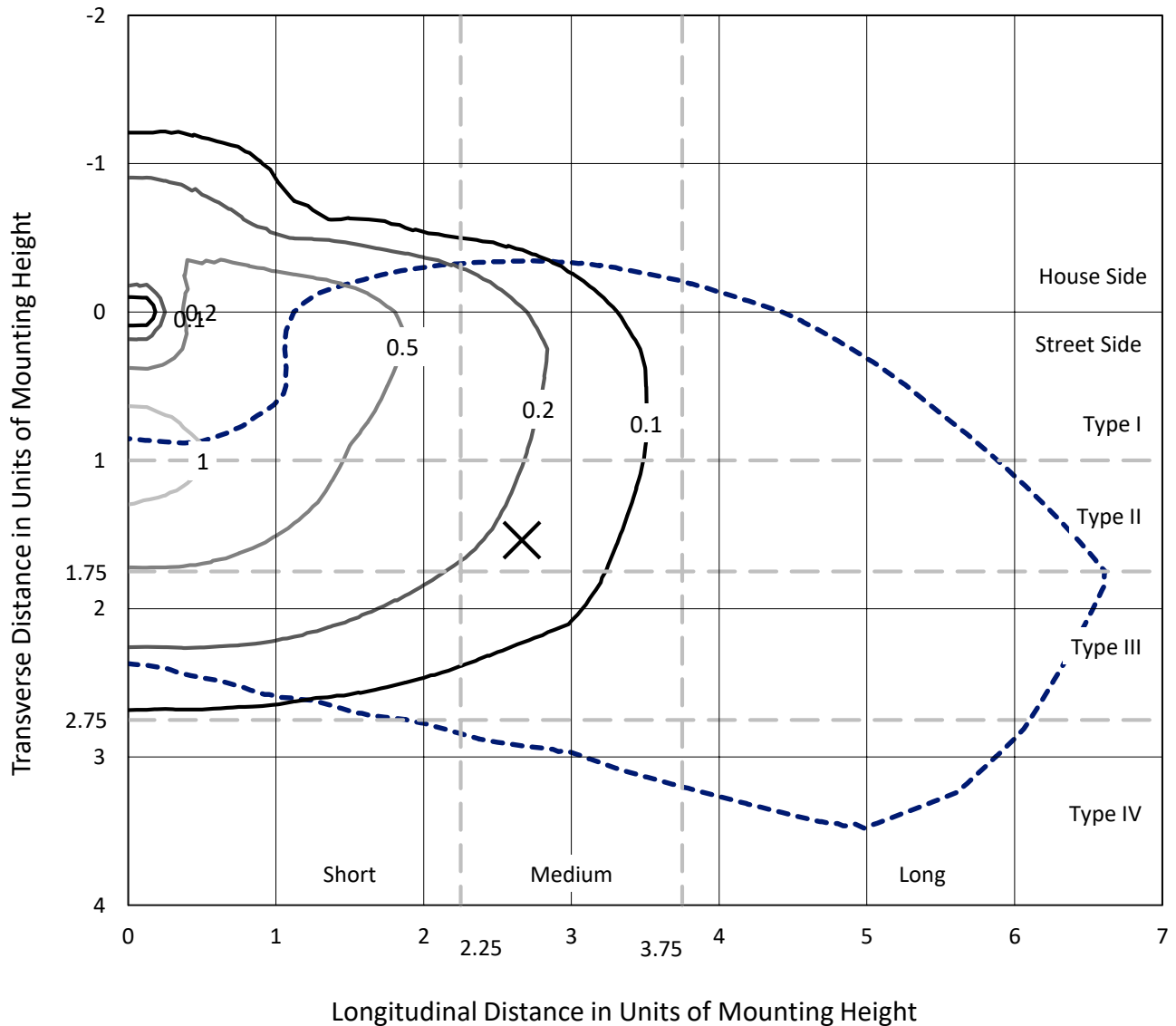
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

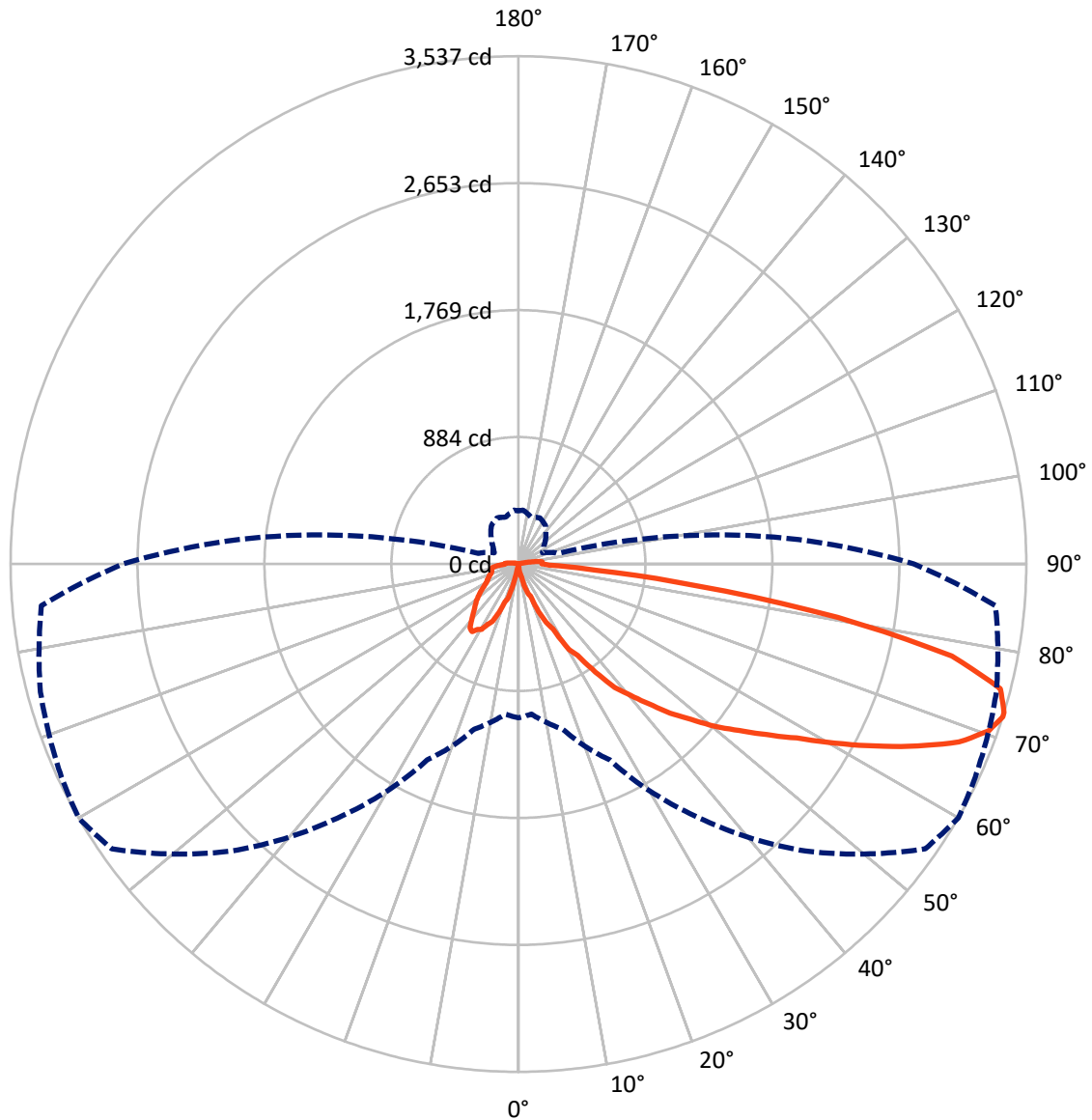
× Max cd
 - - - 1/2 Max cd



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

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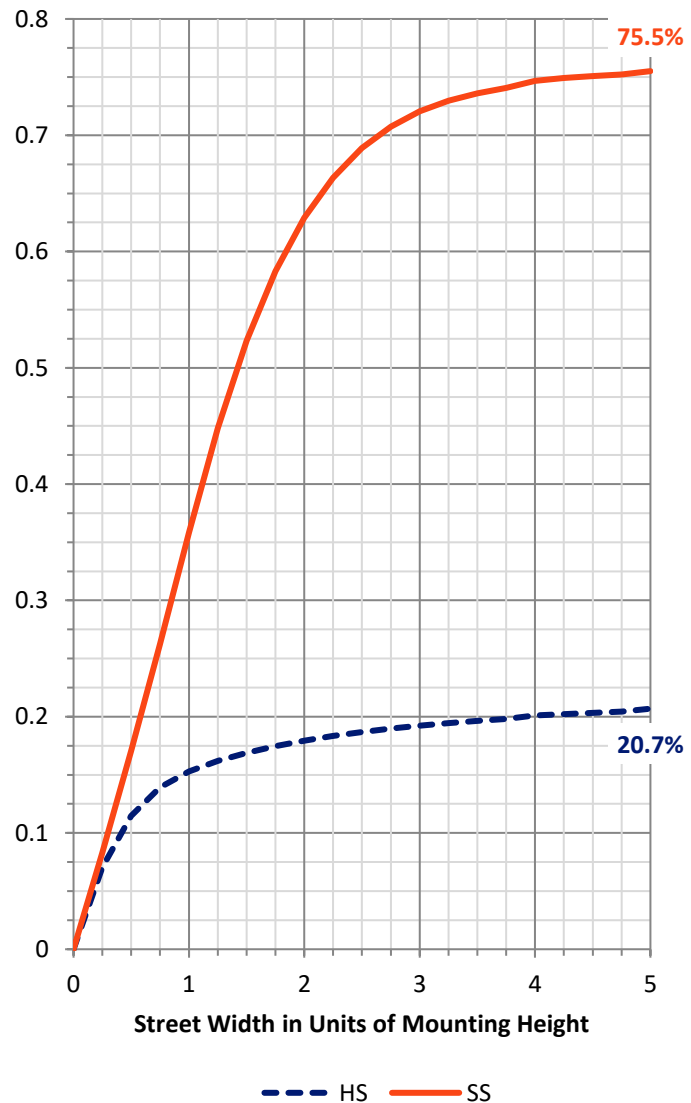
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1392.2	67.9	1460.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	4850.2	59.6	4909.8
	% Fixture	76.1	0.9	77.1
Total	Lumens	6242.4	127.5	6369.9
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	52.1	0.8
20°-30°	217.2	3.4
30°-40°	501.7	7.9
40°-50°	880.9	13.8
50°-60°	1331.5	20.9
60°-70°	1641.7	25.8
70°-80°	1267.5	19.9
80°-90°	346.3	5.4
90°-100°	94.0	1.5
100°-110°	16.3	0.3
110°-120°	6.3	0.1
120°-130°	4.5	0.1
130°-140°	3.0	0.0
140°-150°	2.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6242.4	98.0
0°-180°	6369.9	100.0

Coefficient of Utilization



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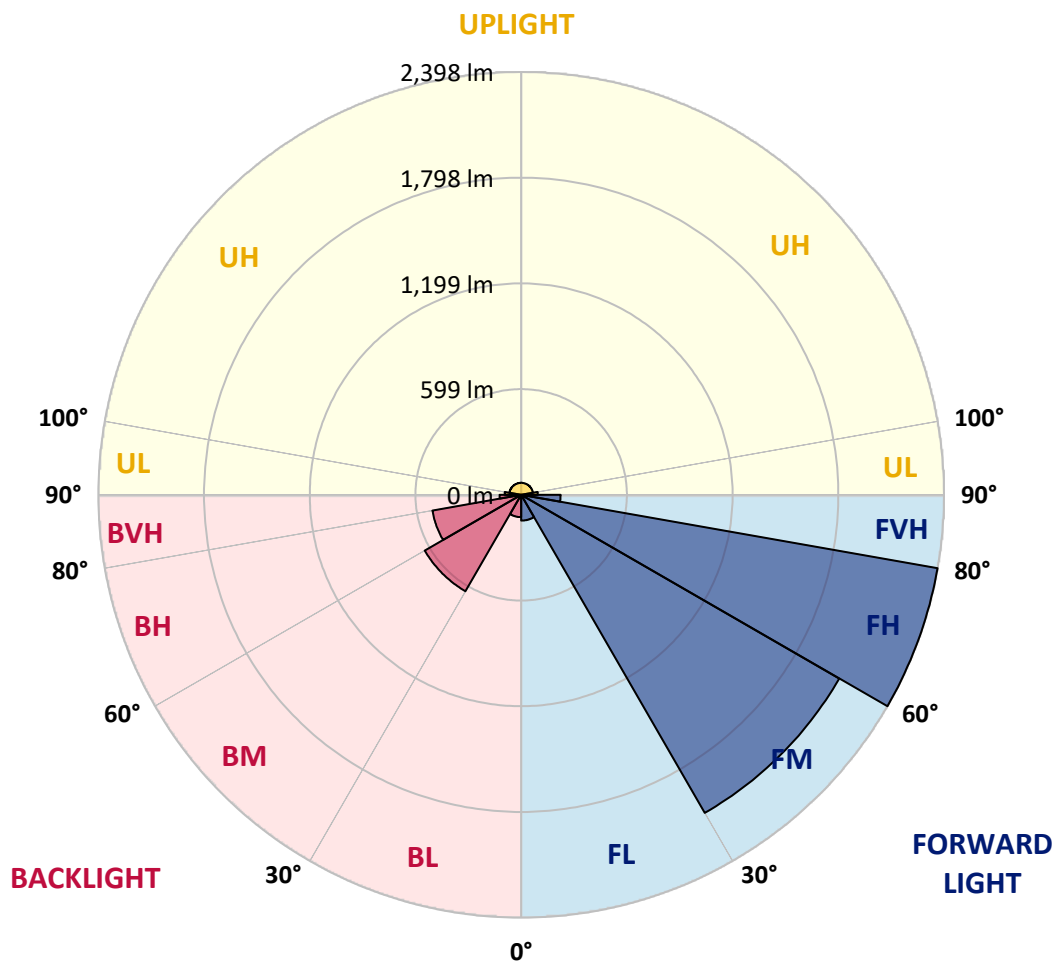
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.2	2.3			
FM	(30°-60°)	2082.7	32.7			
FH	(60°-80°)	2397.7	37.6			G2/5000
FVH	(80°-90°)	223.6	3.5			G2/225
BL	(0°-30°)	126.5	2.0	B1/500		
BM	(30°-60°)	631.4	9.9	B1/1000		
BH	(60°-80°)	511.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	122.7	1.9			G2/225
UL	(90°-100°)	94.0	1.5		U3/500	
UH	(100°-180°)	67.9	1.1		U3/500	

BUG Rating: B2-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	8.5	7.8	7.1	7.1	7.8	7.1	6.4	5.6	4.9	4.9	4.2
5°	79.1	77.0	76.3	61.4	28.2	21.9	9.9	7.8	6.4	4.9	4.2
7.5°	87.6	86.9	86.2	86.2	84.7	80.5	45.9	22.6	12.7	6.4	5.6
10°	100.3	98.9	94.6	92.5	90.4	89.0	82.6	78.4	35.3	10.6	9.2
12.5°	178.7	175.8	171.6	127.1	108.7	96.0	93.9	90.4	78.4	32.5	65.7
15°	192.1	191.4	188.5	186.4	180.8	120.0	145.5	165.9	187.8	153.2	170.9
17.5°	241.5	234.4	216.1	205.5	202.0	220.3	210.4	214.0	214.0	206.2	195.6
20°	360.8	355.9	346.7	305.8	230.2	283.9	278.2	236.6	243.6	301.5	350.2
22.5°	435.0	430.0	411.0	384.9	379.9	315.6	328.4	358.7	367.2	423.0	422.3
25°	590.3	581.2	540.2	463.2	473.1	407.4	458.3	451.2	429.3	466.1	478.8
27.5°	721.0	713.2	693.4	654.6	548.7	569.9	521.1	512.0	570.6	673.7	671.5
30°	865.0	822.7	769.7	757.7	679.3	646.1	658.8	689.2	711.1	721.0	745.7
32.5°	1049.3	1044.4	1004.8	848.8	824.1	738.6	799.4	757.7	774.6	917.3	1002.0
35°	1177.1	1189.9	1120.0	1026.7	909.5	907.4	882.0	923.6	1004.8	1024.6	1083.2
37.5°	1475.1	1478.7	1415.8	1149.6	1073.3	999.9	1079.0	1090.3	1112.9	1146.8	1196.2
40°	1699.7	1667.9	1590.2	1392.5	1226.6	1146.8	1203.3	1201.9	1251.3	1313.4	1344.5
42.5°	1976.5	1941.2	1802.1	1578.2	1422.9	1334.6	1340.3	1328.3	1369.2	1467.4	1486.4
45°	2208.8	2193.3	2086.0	1850.1	1639.7	1533.8	1495.6	1480.8	1501.3	1624.8	1635.4
47.5°	2428.4	2386.8	2316.9	2078.2	1954.6	1761.8	1652.4	1617.1	1623.4	1764.0	1795.0
50°	2660.8	2590.9	2504.7	2295.0	2205.3	2048.5	1832.5	1777.4	1779.5	1909.4	1962.4
52.5°	2798.5	2687.6	2631.8	2458.1	2367.7	2289.3	2021.0	1925.7	1935.6	2058.4	2138.9
55°	2713.0	2679.8	2681.2	2577.4	2510.4	2418.6	2203.9	2097.3	2108.6	2252.6	2353.6
57.5°	2569.0	2594.4	2684.1	2679.8	2642.4	2552.7	2386.1	2286.5	2351.5	2472.2	2578.9
60°	2458.1	2487.1	2632.5	2707.4	2777.3	2711.6	2574.6	2531.5	2592.3	2697.5	2825.3
62.5°	2273.1	2296.4	2496.2	2694.0	2773.7	2847.2	2754.0	2792.8	2848.6	2937.6	3092.9
65°	2020.3	2014.6	2263.2	2571.1	2750.4	2922.7	2984.9	3056.2	3107.0	3202.4	3343.6
67.5°	1721.6	1749.8	1958.9	2306.3	2659.4	2960.9	3179.1	3309.7	3341.5	3378.2	3479.9
70°	1405.9	1404.5	1587.4	1956.7	2463.7	2939.7	3363.4	3476.4	3477.1	3455.2	3485.5
72°	1071.9	1049.3	1190.6	1505.5	2139.6	2826.0	3458.0	3537.1	3511.0	3446.0	3335.1
72.5°	920.1	940.6	1073.3	1417.9	1994.2	2769.5	3467.9	3536.4	3508.1	3436.8	3289.9
75°	466.8	437.1	512.7	759.8	1375.6	2237.8	3396.6	3467.2	3388.1	3299.1	2884.6
77.5°	182.9	187.8	217.5	328.4	669.4	1473.7	2931.9	3085.9	3035.0	2972.2	2275.2
80°	128.5	128.5	145.5	187.1	343.2	598.8	2031.6	2255.4	2333.8	2364.9	1521.7
82.5°	93.2	94.6	110.9	130.6	245.0	287.4	997.8	1253.4	1377.0	1492.8	850.9
85°	86.9	86.9	89.0	87.6	175.1	204.8	363.0	535.3	618.6	725.2	343.9
87.5°	41.0	44.5	65.7	52.3	86.2	126.4	197.7	214.7	219.6	249.3	247.2
90°	26.8	26.8	21.9	22.6	42.4	102.4	158.9	162.4	156.1	182.9	230.2
92.5°	27.5	28.2	20.5	21.2	33.2	93.9	163.1	165.9	161.0	192.1	244.3
95°	25.4	25.4	17.7	18.4	26.1	72.0	163.1	165.9	151.8	191.4	244.3
97.5°	21.2	21.9	14.1	14.8	20.5	35.3	113.0	121.5	96.7	97.4	119.3
100°	18.4	18.4	11.3	12.0	14.8	16.2	57.2	60.0	53.7	24.0	16.2
102.5°	18.4	18.4	9.9	9.9	9.9	9.2	17.7	29.7	24.7	14.1	15.5
105°	17.7	18.4	9.2	7.8	7.8	7.1	9.2	11.3	11.3	11.3	16.2
107.5°	14.1	14.8	7.1	7.1	6.4	6.4	4.9	4.9	7.1	10.6	17.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.3	11.3	5.6	6.4	4.9	5.6	4.2	4.2	6.4	7.8	13.4
112.5°	6.4	6.4	4.2	4.9	4.2	4.9	4.2	4.2	4.9	6.4	8.5
115°	5.6	5.6	3.5	3.5	3.5	3.5	3.5	3.5	4.2	5.6	9.2
117.5°	5.6	5.6	3.5	3.5	3.5	2.8	2.8	3.5	3.5	5.6	9.2
120°	5.6	5.6	3.5	3.5	2.8	2.8	2.8	3.5	3.5	5.6	9.2
122.5°	6.4	5.6	3.5	2.8	2.8	2.8	2.8	2.8	3.5	4.9	9.2
125°	6.4	5.6	4.2	2.8	2.8	2.8	2.8	2.8	3.5	4.9	7.8
127.5°	6.4	6.4	4.2	2.8	2.8	2.8	2.8	2.8	2.8	4.2	7.1
130°	6.4	5.6	4.2	2.8	2.8	2.8	2.8	2.8	2.8	4.2	6.4
132.5°	5.6	5.6	4.2	2.8	3.5	2.8	2.8	2.8	2.8	3.5	4.9
135°	4.9	4.9	3.5	3.5	3.5	2.8	2.8	2.8	2.8	2.8	4.2
137.5°	4.9	4.9	4.2	3.5	3.5	3.5	2.8	2.8	2.8	2.8	3.5
140°	4.9	4.9	4.2	4.2	4.2	3.5	2.8	2.8	2.8	3.5	3.5
142.5°	5.6	5.6	4.9	4.2	4.2	3.5	2.8	2.8	3.5	3.5	3.5
145°	6.4	6.4	5.6	4.9	4.2	2.8	2.8	3.5	3.5	3.5	4.2
147.5°	6.4	6.4	5.6	4.2	3.5	2.8	2.8	3.5	3.5	4.2	4.2
150°	5.6	5.6	4.9	3.5	2.8	2.1	2.8	2.8	3.5	4.2	4.2
152.5°	4.2	4.2	3.5	2.8	2.1	1.4	2.1	2.8	2.8	3.5	4.2
155°	2.8	2.8	2.1	1.4	1.4	1.4	2.1	2.1	2.1	2.8	3.5
157.5°	1.4	1.4	0.7	0.7	1.4	1.4	1.4	2.1	2.1	2.1	2.8
160°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	2.1	2.1	2.1	2.1
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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.9	4.9	4.9	5.6	6.4
5°	4.2	4.2	4.2	4.2	4.9	5.6	6.4	7.1	7.8	8.5	8.5
7.5°	4.9	4.9	4.9	5.6	6.4	7.8	17.7	62.1	84.7	92.5	90.4
10°	9.2	9.2	8.5	8.5	9.9	82.6	105.2	114.4	119.3	125.0	125.0
12.5°	73.4	84.7	30.4	16.9	81.9	115.8	124.3	130.6	134.9	140.5	140.5
15°	177.2	180.1	185.0	166.7	161.0	131.3	137.0	185.7	244.3	259.9	261.3
17.5°	199.1	202.7	206.2	244.3	259.9	201.3	231.6	260.6	266.2	271.9	271.9
20°	379.9	385.6	312.8	280.3	274.0	341.1	262.0	269.0	278.9	329.1	334.0
22.5°	430.8	434.3	406.7	424.4	310.7	356.6	344.6	344.6	385.6	388.4	389.1
25°	483.0	502.8	450.5	436.4	442.0	360.8	406.7	367.2	372.8	377.1	377.8
27.5°	704.7	701.9	659.5	499.2	443.5	437.1	394.7	362.3	423.7	439.9	440.6
30°	749.2	742.2	704.0	584.7	460.4	432.9	372.1	418.7	407.4	409.6	410.3
32.5°	1030.3	1019.0	910.9	591.8	480.9	399.7	403.9	389.8	391.2	435.0	436.4
35°	1100.9	1085.3	933.5	684.3	458.3	405.3	373.6	391.2	398.3	396.1	396.1
37.5°	1195.5	1165.8	926.5	643.3	476.6	379.2	357.3	369.3	365.1	391.9	390.5
40°	1298.6	1256.9	930.0	596.7	432.2	355.9	342.5	353.1	350.2	342.5	336.8
42.5°	1429.9	1357.9	929.3	557.9	391.2	348.1	323.4	322.7	310.7	298.0	293.8
45°	1564.1	1464.6	932.1	513.4	360.1	341.8	312.8	295.9	285.3	271.9	268.3
47.5°	1711.0	1578.2	940.6	478.1	336.1	322.7	299.4	278.9	271.2	254.2	252.8
50°	1884.7	1697.6	943.4	449.8	307.9	305.8	289.5	266.9	254.9	238.0	236.6
52.5°	2071.8	1824.0	948.4	408.2	286.0	299.4	295.2	264.1	259.2	237.3	235.9
55°	2249.1	1944.0	946.9	358.0	276.1	293.8	295.2	282.5	274.7	238.7	235.9
57.5°	2462.3	2074.0	925.8	311.4	260.6	285.3	309.3	298.7	290.2	260.6	254.9
60°	2653.0	2208.1	862.9	275.4	247.2	276.1	321.3	310.7	286.7	267.6	262.0
62.5°	2876.1	2323.9	775.4	249.3	242.2	278.9	325.5	318.5	288.8	282.5	280.3
65°	3027.3	2367.7	642.6	228.1	241.5	278.9	324.1	325.5	304.3	310.7	310.0
67.5°	3045.6	2311.2	487.2	211.8	233.0	278.9	322.0	339.7	318.5	344.6	346.0
70°	2957.3	2170.0	355.2	195.6	223.8	275.4	322.7	348.8	329.1	370.0	367.2
72°	2754.0	1956.0	287.4	185.0	216.1	269.7	327.7	353.8	338.2	376.4	370.0
72.5°	2701.0	1890.4	274.7	183.6	214.7	269.0	329.1	355.2	339.0	382.7	375.0
75°	2260.4	1505.5	235.9	173.0	216.8	265.5	336.1	354.5	343.2	387.0	388.4
77.5°	1712.4	1014.7	209.0	163.8	216.1	259.2	334.0	348.8	336.8	372.1	379.9
80°	1059.9	590.3	185.7	163.1	214.7	256.3	324.8	334.0	319.2	347.4	349.5
82.5°	579.7	345.3	161.0	160.3	208.3	248.6	307.2	317.1	302.9	334.0	312.1
85°	296.6	234.4	120.8	131.3	182.2	233.7	286.7	286.0	271.9	283.2	267.6
87.5°	228.8	184.3	78.4	94.6	149.0	192.8	235.9	233.7	215.4	216.8	210.4
90°	210.4	164.5	51.5	67.1	124.3	138.4	163.8	157.5	144.8	147.6	145.5
92.5°	211.8	162.4	49.4	71.3	119.3	124.3	150.4	142.6	129.9	131.3	127.1
95°	206.9	156.1	49.4	62.8	98.9	88.3	108.0	105.2	94.6	89.7	87.6
97.5°	98.9	77.7	45.9	46.6	55.8	48.0	65.7	70.6	56.5	45.2	45.2
100°	16.9	26.1	40.3	47.3	40.3	30.4	41.7	48.0	32.5	14.8	16.2
102.5°	16.9	16.2	31.1	40.3	29.0	16.2	24.0	31.8	20.5	11.3	12.0
105°	18.4	16.9	14.8	27.5	16.9	8.5	9.2	16.2	11.3	11.3	11.3
107.5°	19.8	18.4	10.6	10.6	8.5	7.8	7.1	6.4	7.8	11.3	12.0



REPORT NUMBER: P415575

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.8	14.8	9.9	8.5	7.8	7.8	5.6	5.6	7.8	12.0	12.0
112.5°	10.6	10.6	8.5	7.1	6.4	7.8	5.6	5.6	7.1	12.0	12.7
115°	10.6	10.6	7.8	6.4	5.6	6.4	5.6	4.9	7.1	12.0	12.7
117.5°	10.6	10.6	7.8	5.6	4.9	4.9	4.2	4.9	7.1	12.0	12.7
120°	10.6	10.6	7.8	5.6	4.9	4.2	4.2	4.2	7.1	12.0	12.7
122.5°	9.9	9.9	7.1	4.9	4.2	3.5	3.5	4.2	6.4	11.3	12.0
125°	9.2	9.2	6.4	4.9	4.2	3.5	3.5	3.5	6.4	10.6	11.3
127.5°	8.5	8.5	6.4	4.2	3.5	3.5	3.5	3.5	5.6	9.9	10.6
130°	7.1	7.1	5.6	4.2	3.5	2.8	3.5	3.5	5.6	9.2	9.2
132.5°	5.6	5.6	4.2	3.5	3.5	2.8	2.8	3.5	4.9	7.8	8.5
135°	4.2	4.2	4.2	3.5	3.5	2.8	2.8	2.8	4.2	6.4	7.1
137.5°	3.5	4.2	3.5	3.5	3.5	2.8	2.8	2.8	4.2	5.6	5.6
140°	3.5	3.5	3.5	3.5	3.5	2.8	2.8	2.8	4.2	4.9	5.6
142.5°	3.5	4.2	3.5	3.5	3.5	2.8	2.8	3.5	4.2	5.6	5.6
145°	4.2	4.2	4.2	3.5	3.5	2.1	2.1	3.5	4.2	5.6	5.6
147.5°	4.2	4.2	4.2	3.5	2.8	2.1	2.1	2.8	4.2	5.6	5.6
150°	4.2	4.2	4.2	3.5	2.8	1.4	1.4	2.8	3.5	4.9	5.6
152.5°	4.2	4.2	3.5	3.5	2.1	1.4	0.7	2.1	2.8	4.2	4.2
155°	3.5	3.5	3.5	2.8	2.1	0.7	0.0	0.7	2.1	3.5	3.5
157.5°	2.8	2.8	2.8	2.1	1.4	0.7	0.0	0.7	0.7	2.1	2.1
160°	2.1	2.1	2.1	2.1	1.4	0.7	0.0	0.0	0.7	1.4	1.4
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

(END OF REPORT)