

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: P417116

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417116
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-PA1-90-730-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8295 lumens
Efficiency: N/A
Efficacy: 88.2 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

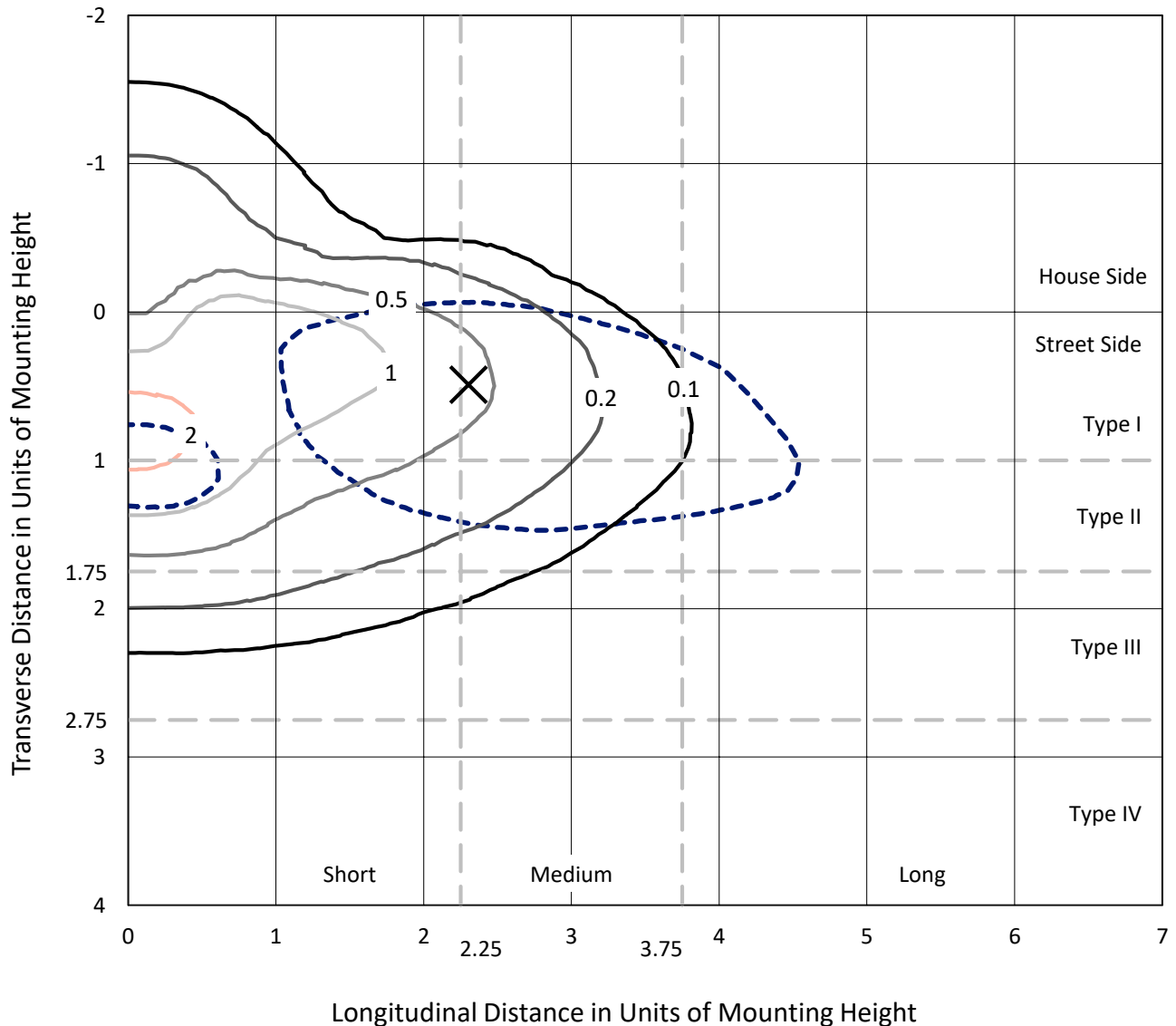
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417116
 CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

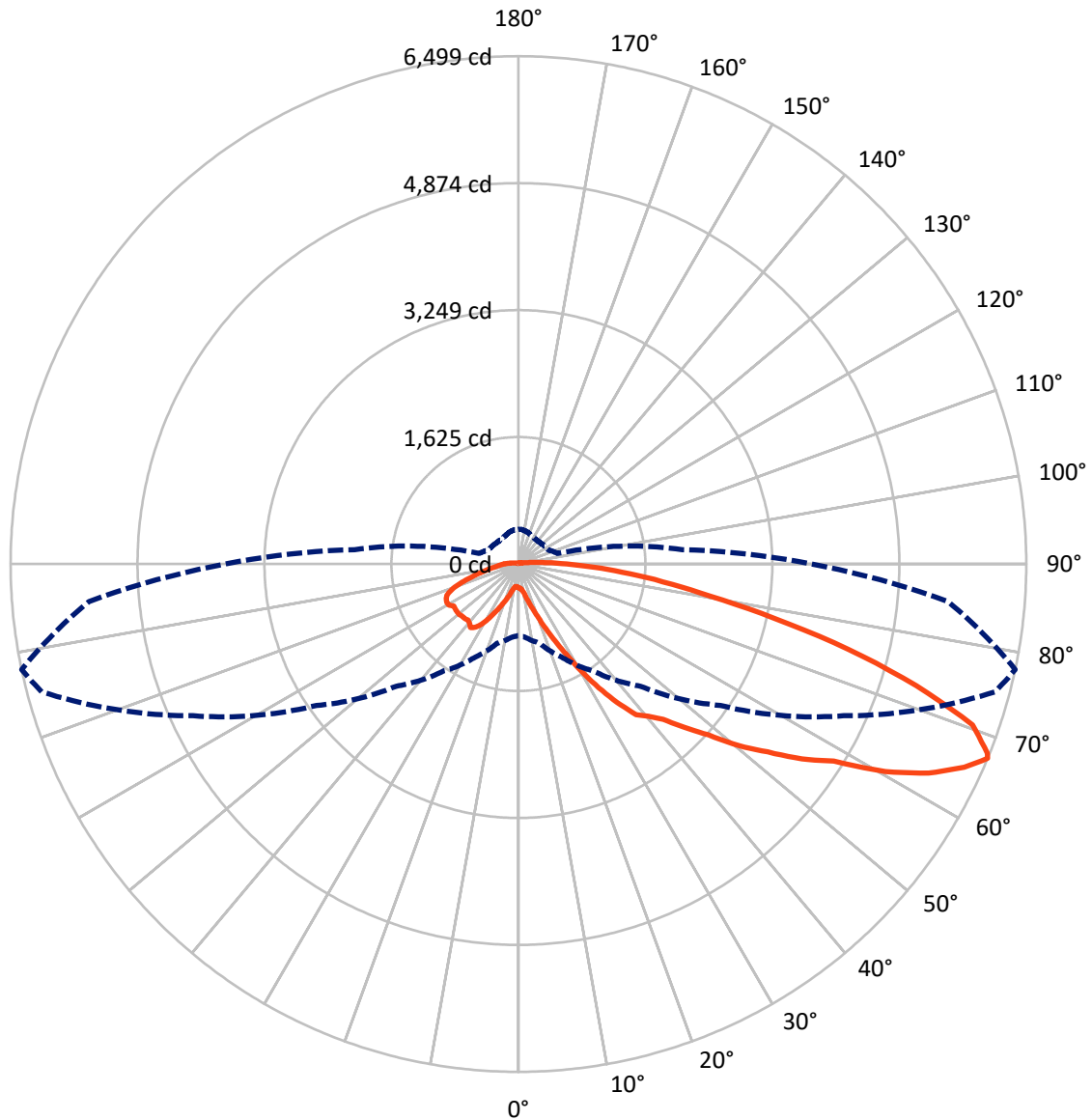
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P417116
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

Luminous Intensity Polar Plot



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



REPORT NUMBER: P417116

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1534.6	125.5	1660.1
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	6501.2	133.7	6634.9
	% Fixture	78.4	1.6	80.0
Total	Lumens	8035.8	259.2	8295.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.4
10°-20°	129.0	1.6
20°-30°	387.1	4.7
30°-40°	885.9	10.7
40°-50°	1415.0	17.1
50°-60°	1743.9	21.0
60°-70°	1817.7	21.9
70°-80°	1178.6	14.2
80°-90°	448.1	5.4
90°-100°	138.4	1.7
100°-110°	53.2	0.6
110°-120°	28.7	0.3
120°-130°	19.0	0.2
130°-140°	12.5	0.2
140°-150°	5.6	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8035.8	96.9
0°-180°	8295.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417116

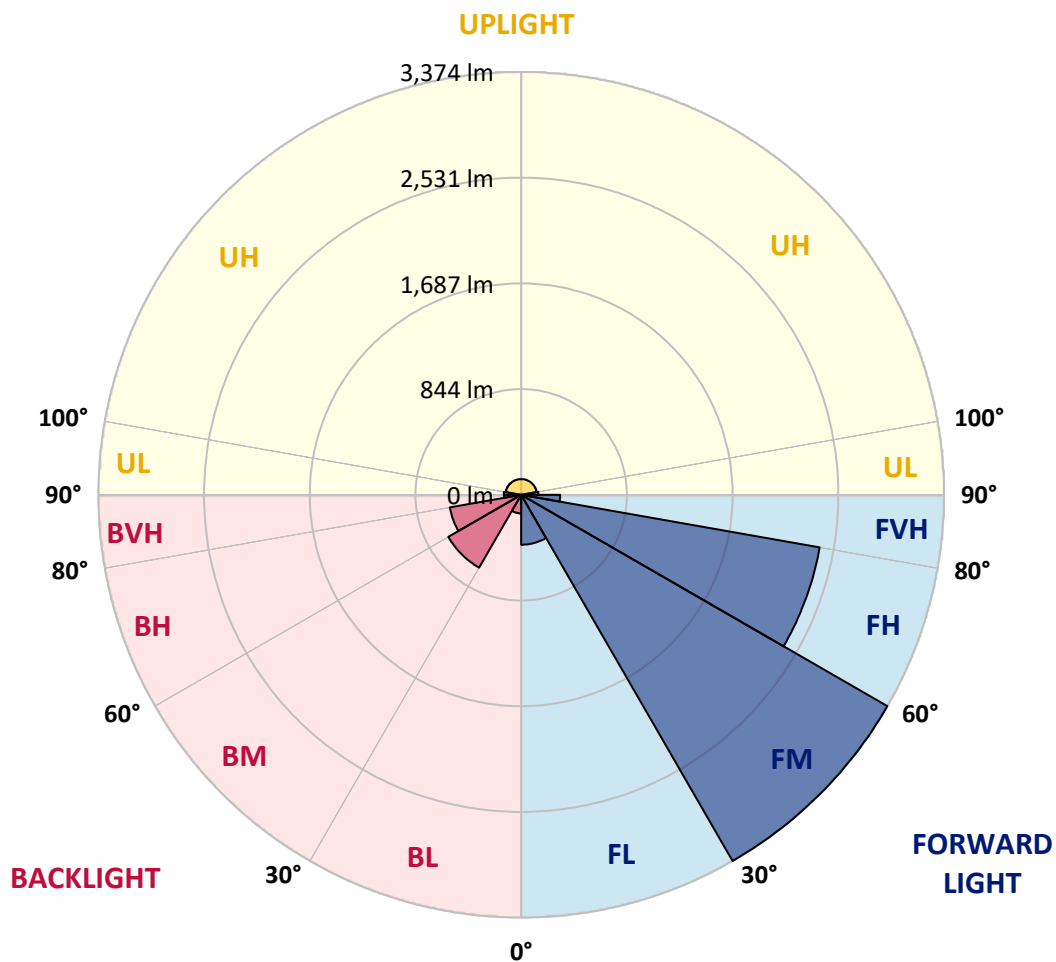
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.3	4.8			
FM (30°-60°)	3374.0	40.7			
FH (60°-80°)	2418.1	29.2			G2/5000
FVH (80°-90°)	310.8	3.7			G3/500
BL (0°-30°)	148.2	1.8	B1/500		
BM (30°-60°)	670.9	8.1	B1/1000		
BH (60°-80°)	578.1	7.0	B2/1000		G2/1000
BVH (80°-90°)	137.2	1.7			G2/225
UL (90°-100°)	138.4	1.7		U3/500	
UH (100°-180°)	125.5	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





REPORT NUMBER: P417116

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4
2.5°	341.7	340.7	339.7	337.8	333.8	329.9	324.0	316.2	310.3	309.3	303.4
5°	384.9	381.9	381.9	377.0	369.2	361.3	349.5	335.8	325.0	319.1	310.3
7.5°	437.9	432.0	434.0	426.1	415.3	401.6	382.9	364.3	343.6	337.8	325.0
10°	501.7	497.8	493.9	484.0	471.3	449.7	432.0	404.5	377.0	369.2	349.5
12.5°	579.3	580.3	568.5	557.7	536.1	514.5	492.9	466.4	435.9	427.1	401.6
15°	688.3	687.3	674.5	650.0	623.5	599.9	582.2	553.8	524.3	514.5	476.2
17.5°	815.9	813.0	803.1	759.9	733.4	714.8	689.2	671.6	629.4	618.6	571.4
20°	1002.5	984.8	962.2	904.3	865.0	841.4	820.8	798.2	753.1	734.4	678.4
22.5°	1209.6	1218.5	1177.2	1087.9	1022.1	978.9	957.3	945.5	911.1	898.4	813.9
25°	1466.9	1466.9	1402.1	1303.9	1218.5	1137.9	1133.0	1146.8	1100.6	1091.8	1002.5
27.5°	1737.8	1748.6	1663.2	1558.2	1428.6	1334.3	1329.4	1341.2	1337.3	1311.7	1184.1
30°	2047.1	2037.3	1941.1	1813.5	1641.6	1530.7	1516.9	1602.4	1609.2	1591.6	1452.1
32.5°	2407.5	2399.6	2278.8	2081.5	1869.4	1741.8	1750.6	1871.4	1918.5	1888.1	1725.1
35°	2845.4	2855.2	2665.7	2387.8	2108.0	1960.7	1970.5	2121.7	2210.1	2172.8	1989.2
37.5°	3295.0	3298.0	3124.2	2748.2	2364.3	2155.1	2178.7	2363.3	2477.2	2446.7	2194.4
40°	3579.8	3609.2	3442.3	3084.9	2634.3	2349.5	2369.2	2551.8	2618.6	2561.6	2265.1
42.5°	3829.2	3851.7	3681.9	3298.0	2839.5	2523.3	2516.4	2654.9	2751.1	2715.8	2410.4
45°	3951.9	3996.1	3842.9	3446.2	2983.8	2658.8	2605.8	2813.0	3027.0	2982.8	2646.0
47.5°	3862.5	3916.5	3851.7	3523.8	3048.6	2744.2	2756.0	3040.7	3317.6	3268.5	2903.3
50°	3570.9	3635.7	3657.3	3465.9	3065.3	2786.4	2912.1	3295.0	3666.2	3656.4	3219.4
52.5°	3219.4	3253.8	3348.1	3291.1	3003.4	2835.5	3081.0	3541.5	4025.5	3995.1	3481.6
55°	2894.5	2939.6	3017.2	2983.8	2850.3	2841.4	3214.5	3816.4	4407.5	4403.5	3811.5
57.5°	2446.7	2509.6	2672.6	2691.2	2651.9	2805.1	3311.7	4032.4	4745.2	4759.0	4142.4
60°	1878.3	1931.3	2178.7	2376.0	2410.4	2719.7	3360.8	4270.0	5322.5	5394.2	4720.7
62.5°	1522.8	1532.6	1720.2	1966.6	2200.3	2563.6	3368.7	4570.4	5827.2	5892.0	5067.3
65°	1139.9	1137.9	1310.8	1591.6	1916.5	2381.0	3344.1	4664.7	6101.1	6267.1	5398.1
67°	916.1	937.7	1048.6	1315.7	1671.1	2210.1	3153.7	4595.0	6316.1	6498.8	5518.9
67.5°	880.7	891.5	992.6	1245.0	1615.1	2159.1	3097.7	4577.3	6315.2	6470.3	5482.6
70°	703.0	717.7	791.4	958.3	1292.1	1824.3	2704.0	4166.9	5941.1	6166.9	5149.7
72.5°	543.0	554.7	606.8	733.4	983.8	1468.8	2236.6	3585.7	5144.8	5323.5	4366.2
75°	413.4	417.3	466.4	552.8	751.1	1120.3	1727.0	2823.8	4230.7	4366.2	3548.4
77.5°	320.1	328.9	366.2	424.2	557.7	843.4	1300.0	2199.3	3365.7	3345.1	2698.1
80°	249.4	257.2	284.7	325.0	418.3	619.5	951.4	1625.9	2458.5	2483.1	1975.5
82.5°	200.3	206.2	224.8	254.3	322.0	471.3	695.1	1215.5	1869.4	1860.6	1448.2
85°	160.0	164.0	177.7	203.2	248.4	357.4	513.5	903.3	1319.6	1330.4	988.7
87.5°	124.7	129.6	145.3	161.0	196.4	272.0	379.0	626.4	877.8	886.6	679.4
90°	97.2	100.1	113.9	130.6	159.1	206.2	273.9	429.1	565.5	554.7	436.9
92.5°	71.7	74.6	87.4	103.1	123.7	159.1	197.3	274.9	330.9	337.8	273.0
95°	51.1	54.0	64.8	76.6	94.3	120.8	140.4	174.8	203.2	197.3	174.8
97.5°	39.3	40.3	48.1	56.9	71.7	93.3	104.1	120.8	133.5	130.6	121.7
100°	31.4	32.4	38.3	43.2	56.0	73.6	83.5	92.3	100.1	97.2	93.3
102.5°	26.5	27.5	31.4	35.3	46.1	61.9	67.7	73.6	76.6	76.6	74.6
105°	22.6	23.6	26.5	30.4	39.3	51.1	55.0	57.9	60.9	59.9	59.9
107.5°	20.6	20.6	23.6	26.5	34.4	43.2	45.2	46.1	47.1	47.1	49.1



REPORT NUMBER: P417116

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	18.7	19.6	21.6	23.6	30.4	38.3	38.3	37.3	37.3	37.3	40.3
112.5°	17.7	18.7	19.6	22.6	28.5	33.4	32.4	30.4	30.4	31.4	34.4
115°	17.7	17.7	18.7	21.6	26.5	30.4	28.5	25.5	25.5	26.5	29.5
117.5°	17.7	17.7	19.6	21.6	25.5	27.5	25.5	22.6	21.6	22.6	25.5
120°	18.7	18.7	19.6	21.6	23.6	25.5	23.6	20.6	19.6	20.6	23.6
122.5°	19.6	19.6	19.6	21.6	22.6	23.6	21.6	18.7	17.7	18.7	21.6
125°	20.6	20.6	20.6	21.6	22.6	21.6	19.6	17.7	17.7	17.7	20.6
127.5°	22.6	22.6	22.6	22.6	21.6	20.6	18.7	16.7	17.7	17.7	19.6
130°	24.5	24.5	23.6	22.6	21.6	19.6	17.7	15.7	16.7	17.7	19.6
132.5°	25.5	24.5	23.6	21.6	20.6	17.7	15.7	14.7	15.7	16.7	18.7
135°	23.6	23.6	21.6	19.6	18.7	15.7	13.7	13.7	14.7	15.7	16.7
137.5°	20.6	20.6	19.6	17.7	16.7	14.7	12.8	11.8	13.7	14.7	15.7
140°	17.7	17.7	16.7	14.7	13.7	12.8	10.8	9.8	11.8	12.8	13.7
142.5°	14.7	14.7	13.7	11.8	11.8	10.8	8.8	8.8	10.8	10.8	11.8
145°	11.8	11.8	11.8	9.8	9.8	8.8	6.9	7.9	8.8	9.8	9.8
147.5°	9.8	9.8	9.8	7.9	7.9	6.9	4.9	5.9	6.9	7.9	7.9
150°	7.9	7.9	7.9	6.9	5.9	4.9	3.9	4.9	4.9	5.9	5.9
152.5°	5.9	5.9	5.9	4.9	4.9	2.9	2.9	3.9	3.9	4.9	4.9
155°	3.9	3.9	4.9	3.9	2.9	2.0	2.9	2.9	3.9	3.9	3.9
157.5°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
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



REPORT NUMBER: P417116

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4
2.5°	300.4	298.5	293.6	288.7	283.8	279.8	274.9	273.9	273.9	272.0	272.0
5°	304.4	298.5	286.7	276.9	266.1	257.2	250.4	247.4	244.5	242.5	240.5
7.5°	313.2	303.4	283.8	268.0	252.3	238.6	228.8	223.9	220.9	218.0	218.9
10°	333.8	319.1	290.6	265.1	241.5	222.9	211.1	205.2	203.2	200.3	200.3
12.5°	378.0	358.4	317.1	273.9	237.6	212.1	198.3	196.4	198.3	201.3	201.3
15°	447.7	418.3	358.4	298.5	246.4	210.1	202.3	208.1	215.0	218.9	218.9
17.5°	533.1	492.9	407.5	327.0	259.2	227.8	218.0	225.8	234.7	240.5	240.5
20°	627.4	573.4	457.5	351.5	277.9	252.3	241.5	248.4	260.2	269.0	268.0
22.5°	750.1	671.6	515.5	373.1	300.4	274.9	268.0	276.9	294.6	306.3	307.3
25°	902.3	794.3	583.2	401.6	321.1	294.6	296.5	312.2	335.8	348.6	348.6
27.5°	1064.3	927.8	641.1	430.0	342.7	315.2	325.0	346.6	372.1	386.8	388.8
30°	1278.3	1099.7	713.8	458.5	361.3	335.8	347.6	373.1	391.8	400.6	401.6
32.5°	1496.3	1262.6	771.7	488.0	379.0	350.5	361.3	385.9	402.6	412.4	411.4
35°	1693.7	1394.2	806.1	501.7	394.7	361.3	366.2	392.7	402.6	408.4	407.5
37.5°	1844.9	1488.5	818.9	504.7	400.6	366.2	368.2	390.8	404.5	415.3	413.4
40°	1870.4	1475.7	770.7	487.0	399.6	366.2	370.2	395.7	410.4	415.3	414.3
42.5°	1964.7	1511.0	729.5	455.6	387.8	365.2	374.1	397.6	404.5	401.6	398.6
45°	2128.6	1585.7	717.7	439.9	373.1	362.3	376.0	392.7	391.8	385.9	383.9
47.5°	2290.6	1657.3	692.2	433.0	369.2	361.3	375.1	386.8	389.8	383.9	381.9
50°	2496.8	1752.6	671.6	423.2	370.2	361.3	373.1	386.8	388.8	379.0	378.0
52.5°	2681.4	1818.4	641.1	414.3	371.1	364.3	373.1	386.8	387.8	378.0	376.0
55°	2873.8	1888.1	609.7	405.5	374.1	367.2	376.0	387.8	388.8	381.9	380.0
57.5°	3066.3	1948.9	574.4	398.6	377.0	373.1	378.0	388.8	396.7	394.7	394.7
60°	3459.0	2123.7	568.5	399.6	380.0	378.0	380.0	393.7	408.4	403.5	404.5
62.5°	3614.1	2161.0	557.7	412.4	388.8	381.9	382.9	397.6	413.4	420.2	419.2
65°	3755.5	2164.0	536.1	421.2	399.6	384.9	384.9	398.6	425.1	440.8	440.8
67°	3747.7	2105.1	520.4	422.2	404.5	387.8	383.9	398.6	426.1	443.8	444.8
67.5°	3702.5	2066.8	514.5	422.2	405.5	387.8	382.9	397.6	426.1	444.8	444.8
70°	3430.5	1865.5	476.2	411.4	402.6	382.9	377.0	387.8	420.2	445.8	445.8
72.5°	2841.4	1535.6	422.2	384.9	383.9	370.2	361.3	373.1	404.5	431.0	430.0
75°	2296.5	1227.3	368.2	345.6	355.4	345.6	338.7	347.6	378.0	404.5	402.6
77.5°	1716.2	921.9	318.1	308.3	322.0	315.2	309.3	318.1	347.6	373.1	369.2
80°	1268.5	710.8	276.9	273.0	282.8	280.8	278.8	282.8	308.3	325.0	322.0
82.5°	933.7	541.0	238.6	235.6	247.4	247.4	247.4	250.4	269.0	274.9	272.0
85°	663.7	407.5	210.1	202.3	212.1	217.0	219.9	220.9	230.7	231.7	224.8
87.5°	467.4	321.1	188.5	171.8	176.7	187.5	192.4	191.5	195.4	192.4	185.6
90°	326.0	252.3	170.8	146.3	146.3	157.1	164.9	164.0	164.9	157.1	150.2
92.5°	229.7	190.5	144.3	120.8	118.8	129.6	136.5	135.5	135.5	127.6	120.8
95°	154.1	140.4	114.9	97.2	94.3	103.1	110.0	108.0	108.0	100.1	97.2
97.5°	113.9	107.0	94.3	82.5	76.6	81.5	86.4	86.4	87.4	82.5	79.5
100°	89.3	86.4	80.5	70.7	64.8	65.8	68.7	68.7	72.7	68.7	66.8
102.5°	74.6	72.7	67.7	60.9	56.0	55.0	56.9	57.9	62.8	59.9	58.9
105°	61.9	60.9	57.9	52.0	48.1	48.1	48.1	49.1	54.0	52.0	52.0
107.5°	50.1	50.1	50.1	45.2	42.2	42.2	41.2	42.2	46.1	46.1	46.1



REPORT NUMBER: P417116

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	42.2	42.2	43.2	39.3	37.3	37.3	36.3	37.3	41.2	42.2	42.2
112.5°	36.3	36.3	37.3	35.3	33.4	33.4	32.4	32.4	36.3	39.3	39.3
115°	31.4	32.4	32.4	31.4	30.4	29.5	28.5	29.5	33.4	36.3	36.3
117.5°	27.5	28.5	29.5	28.5	27.5	26.5	25.5	26.5	30.4	34.4	34.4
120°	24.5	25.5	26.5	26.5	25.5	24.5	22.6	24.5	27.5	31.4	32.4
122.5°	22.6	23.6	23.6	23.6	23.6	21.6	20.6	21.6	24.5	28.5	29.5
125°	21.6	21.6	22.6	22.6	21.6	19.6	18.7	19.6	21.6	24.5	25.5
127.5°	20.6	20.6	21.6	21.6	19.6	17.7	16.7	17.7	19.6	21.6	21.6
130°	20.6	20.6	20.6	19.6	18.7	16.7	14.7	15.7	17.7	19.6	19.6
132.5°	19.6	18.7	18.7	18.7	16.7	14.7	13.7	13.7	15.7	17.7	17.7
135°	17.7	17.7	16.7	16.7	15.7	12.8	11.8	11.8	13.7	15.7	15.7
137.5°	15.7	15.7	14.7	14.7	13.7	11.8	9.8	10.8	12.8	12.8	13.7
140°	13.7	13.7	12.8	12.8	11.8	9.8	7.9	8.8	10.8	10.8	11.8
142.5°	11.8	11.8	11.8	10.8	9.8	7.9	6.9	7.9	9.8	9.8	9.8
145°	9.8	9.8	9.8	8.8	7.9	5.9	4.9	6.9	8.8	7.9	7.9
147.5°	7.9	7.9	7.9	7.9	5.9	4.9	3.9	5.9	6.9	6.9	6.9
150°	5.9	5.9	5.9	5.9	4.9	2.9	2.9	4.9	5.9	5.9	5.9
152.5°	4.9	4.9	4.9	5.9	4.9	2.0	2.0	3.9	4.9	4.9	4.9
155°	3.9	3.9	4.9	4.9	3.9	2.0	1.0	2.9	3.9	3.9	3.9
157.5°	2.9	2.9	3.9	3.9	2.9	2.0	1.0	2.0	3.9	2.9	2.9
160°	2.0	2.9	2.9	2.9	2.9	2.0	0.0	2.0	2.9	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)