

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: P254308

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-T3-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7935.5 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

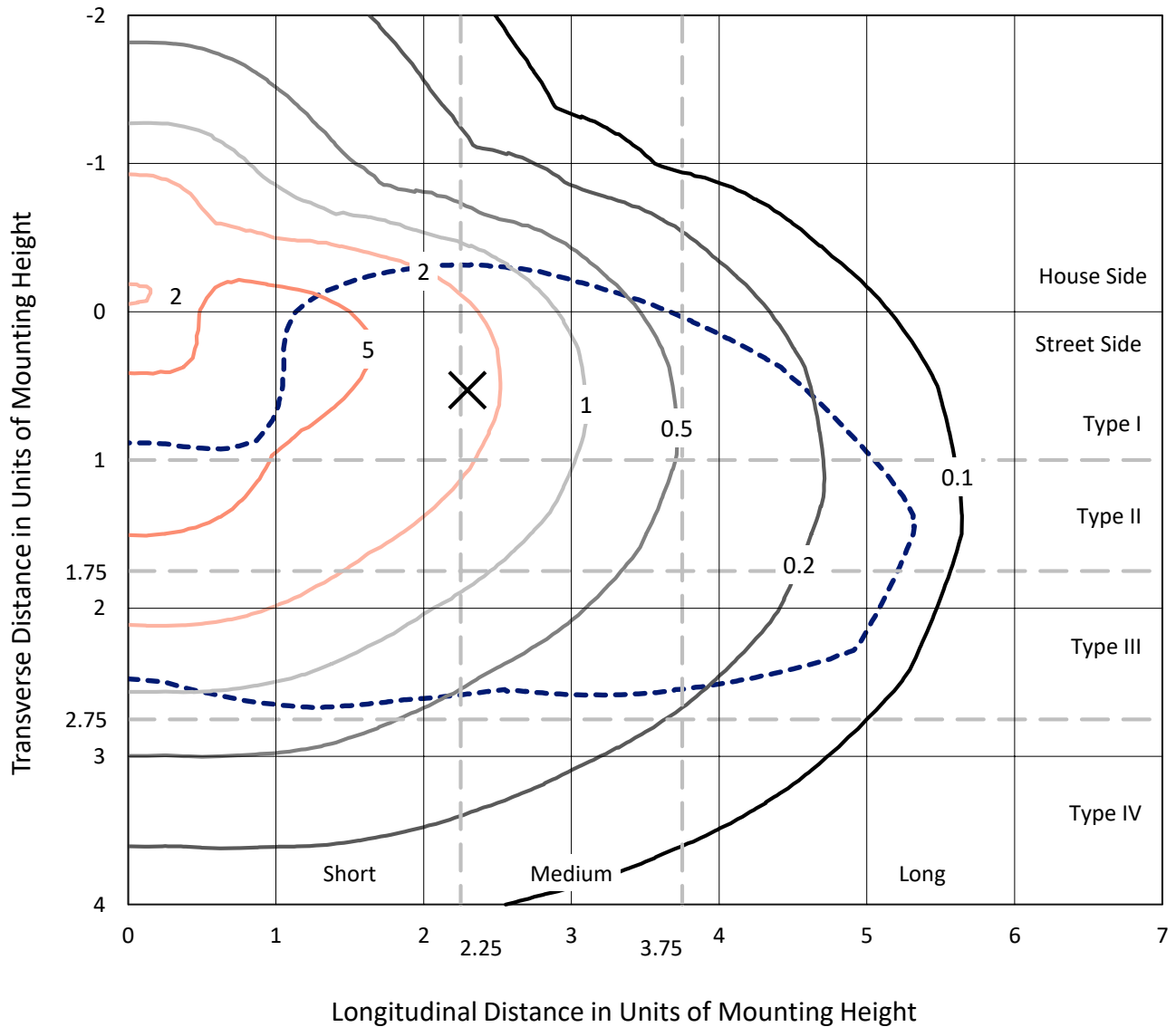
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-A-7030

Iso-Footcandle Lines of Horizontal Illumination

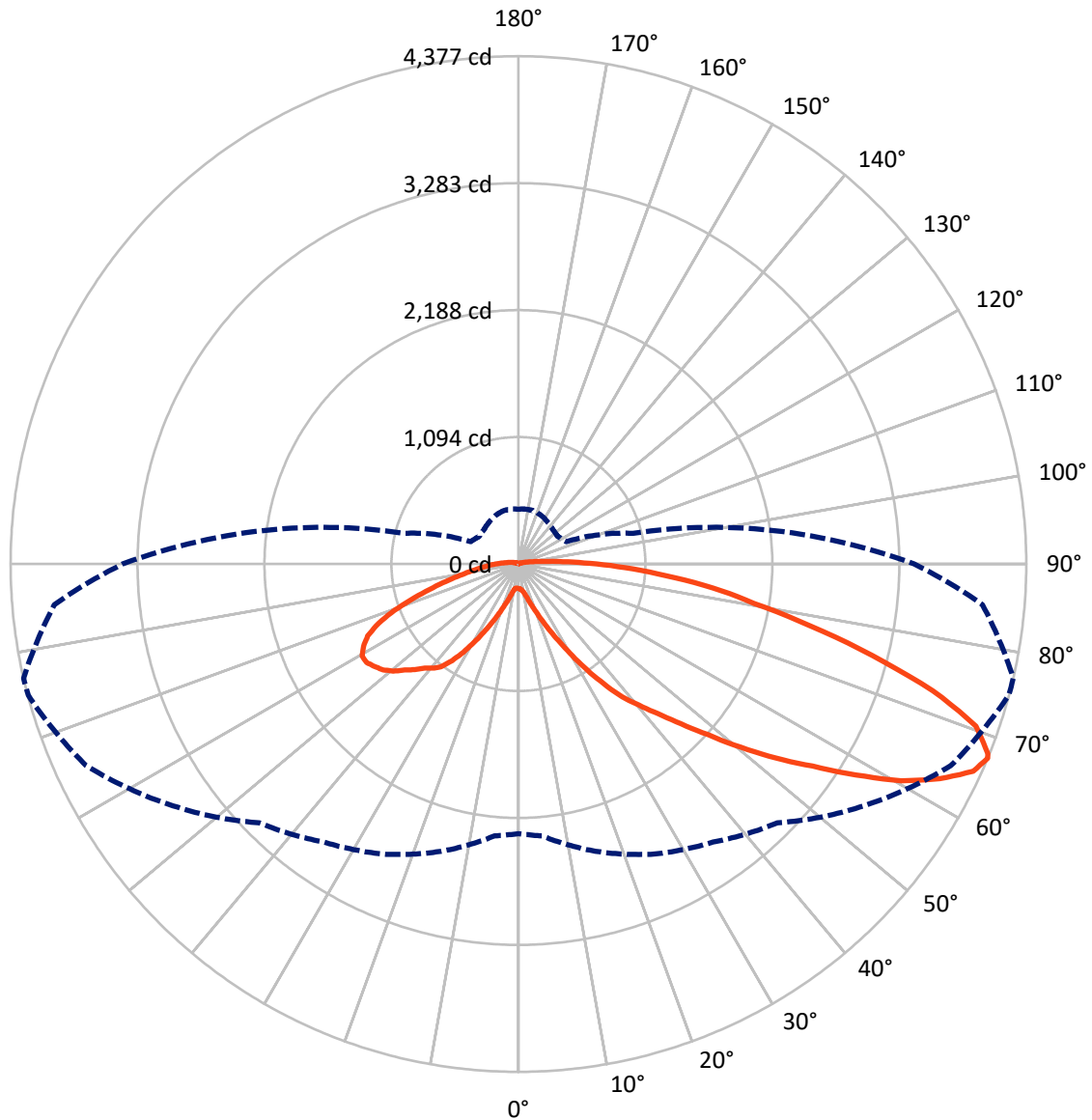
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P254308
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-A-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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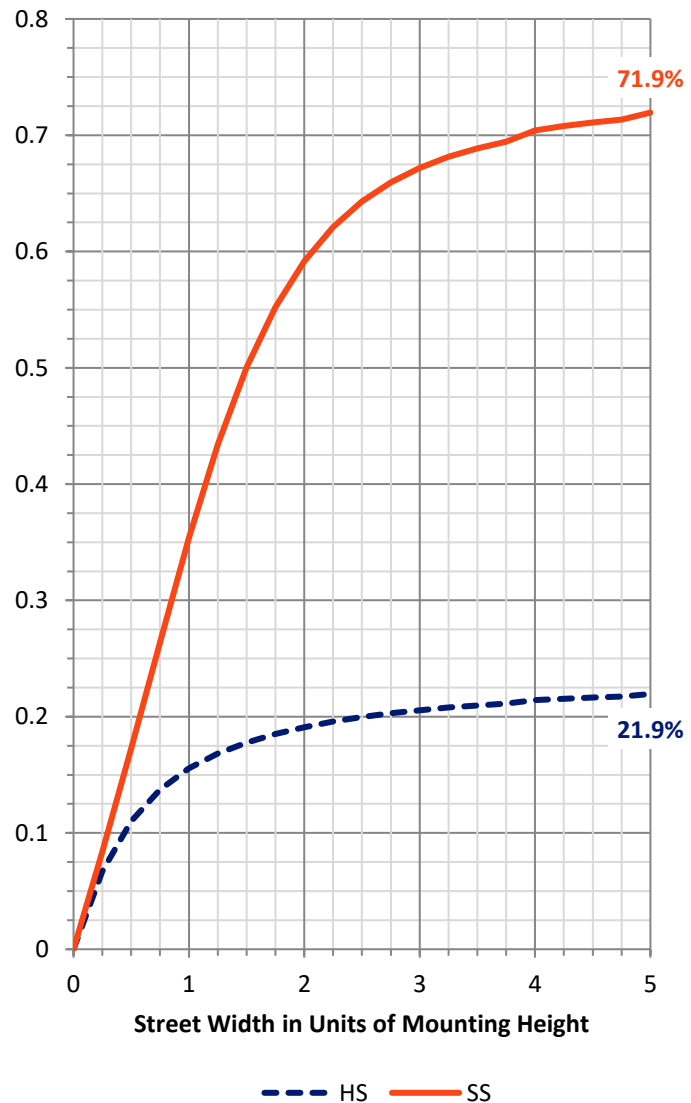
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1819.5	115.7	1935.2
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	5849.7	150.6	6000.2
	% Fixture	73.7	1.9	75.6
Total	Lumens	7669.2	266.3	7935.5
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.3
10°-20°	89.1	1.1
20°-30°	260.6	3.3
30°-40°	605.5	7.6
40°-50°	1062.2	13.4
50°-60°	1632.3	20.6
60°-70°	2018.6	25.4
70°-80°	1409.2	17.8
80°-90°	570.4	7.2
90°-100°	168.6	2.1
100°-110°	54.4	0.7
110°-120°	23.1	0.3
120°-130°	12.0	0.2
130°-140°	6.1	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7669.2	96.6
0°-180°	7935.5	100.0

Coefficient of Utilization



REPORT NUMBER: P254308

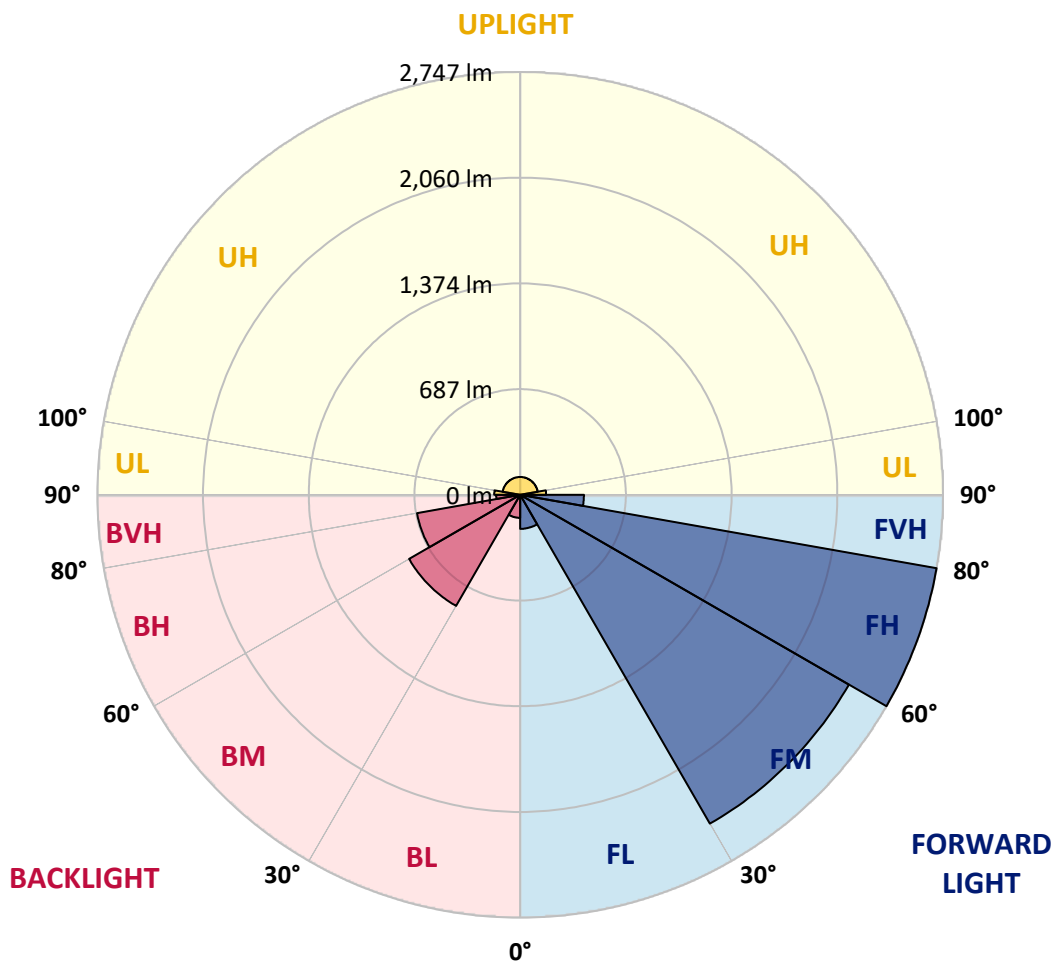
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.2	2.8			
FM	(30°-60°)	2466.7	31.1			
FH	(60°-80°)	2747.3	34.6			G2/5000
FVH	(80°-90°)	414.4	5.2			G3/500
BL	(0°-30°)	149.7	1.9	B1/500		
BM	(30°-60°)	833.4	10.5	B1/1000		
BH	(60°-80°)	680.5	8.6	B2/1000		G2/1000
BVH	(80°-90°)	156.0	2.0			G2/225
UL	(90°-100°)	168.6	2.1		U3/500	
UH	(100°-180°)	115.7	1.5		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





REPORT NUMBER: P254308

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-A-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1
2.5°	224.5	225.4	225.4	225.4	224.5	222.6	219.7	217.8	214.9	213.9	212.1
5°	241.7	241.7	241.7	240.7	238.8	235.0	231.2	226.3	220.7	219.7	215.9
7.5°	260.8	261.6	260.8	258.8	254.1	250.3	244.5	237.8	231.2	229.2	224.5
10°	288.5	288.5	286.6	282.8	276.1	268.4	261.6	254.1	247.4	245.5	239.8
12.5°	330.5	330.5	326.6	316.2	305.7	295.1	287.6	281.8	277.9	275.2	271.3
15°	384.0	384.9	379.2	363.0	349.6	333.3	326.6	325.7	324.7	321.9	318.1
17.5°	448.9	448.9	439.4	417.5	400.2	384.9	378.2	378.2	378.2	378.2	376.4
20°	526.3	527.2	514.8	483.4	465.2	447.1	440.4	441.3	445.1	446.1	446.1
22.5°	625.6	629.5	610.4	567.4	545.4	518.7	513.9	518.7	529.2	532.1	536.8
25°	761.3	755.5	730.7	674.3	641.9	609.4	601.8	615.1	635.3	641.0	651.4
27.5°	903.6	904.5	869.2	800.5	746.0	706.9	703.1	729.8	758.5	766.1	783.3
30°	1085.2	1087.0	1033.5	948.5	867.3	817.7	817.7	861.6	905.5	918.0	945.6
32.5°	1302.9	1301.0	1221.7	1119.5	1006.9	945.6	947.6	1011.5	1074.6	1089.0	1114.8
35°	1556.1	1553.1	1448.1	1313.4	1163.4	1084.2	1092.8	1174.0	1255.2	1268.5	1309.6
37.5°	1814.9	1817.7	1701.2	1530.2	1336.4	1232.2	1248.5	1345.0	1444.3	1453.8	1486.3
40°	2048.9	2063.3	1945.8	1754.7	1523.5	1387.9	1407.0	1499.7	1597.2	1600.9	1613.3
42.5°	2273.3	2275.4	2176.9	1973.4	1717.4	1559.9	1561.8	1650.6	1743.2	1759.5	1765.2
45°	2416.7	2436.7	2357.5	2174.0	1913.2	1735.6	1719.4	1808.2	1944.9	1963.9	1963.9
47.5°	2580.0	2601.0	2510.3	2354.5	2102.3	1912.4	1898.9	2012.7	2176.0	2196.0	2188.4
50°	2763.3	2789.2	2723.3	2554.3	2290.6	2100.5	2123.5	2256.2	2454.0	2482.6	2473.9
52.5°	2902.9	2930.6	2890.5	2771.1	2501.7	2320.2	2345.0	2530.3	2749.1	2777.7	2745.2
55°	2954.5	2992.7	3005.0	2944.0	2719.5	2553.3	2629.7	2830.3	3045.2	3075.7	3041.3
57.5°	2952.5	2991.7	3039.5	3030.9	2901.9	2793.0	2904.7	3138.8	3398.6	3429.2	3393.8
60°	2931.5	2977.5	3065.3	3076.7	3004.1	3004.1	3184.7	3506.5	3766.3	3794.1	3692.9
62.5°	2749.1	2806.5	2966.8	3082.4	3060.5	3139.8	3440.7	3811.3	4062.5	4075.9	3885.8
65°	2520.8	2574.2	2751.0	2938.2	3042.4	3187.5	3607.8	4028.1	4290.8	4306.1	4032.9
67°	2323.1	2351.7	2562.7	2758.7	2924.9	3155.1	3633.6	4111.2	4373.8	4376.8	4014.7
67.5°	2252.4	2282.0	2496.9	2706.2	2883.8	3132.1	3620.2	4118.8	4369.2	4363.4	3980.4
70°	1881.8	1898.9	2123.5	2392.8	2592.4	2884.8	3454.0	3970.8	4201.0	4183.9	3745.4
72.5°	1390.8	1405.1	1638.3	1965.8	2201.8	2523.7	3093.9	3655.6	3783.5	3736.7	3224.8
75°	963.7	975.2	1156.7	1436.6	1746.1	2086.2	2644.9	3111.1	3205.6	3147.4	2672.7
77.5°	637.1	645.7	787.1	1007.7	1292.4	1667.9	2152.1	2570.5	2647.0	2579.1	2146.4
80°	404.0	410.7	515.8	689.7	947.6	1308.6	1727.9	2091.0	2123.5	2059.4	1677.3
82.5°	256.0	262.7	333.3	467.1	680.1	996.3	1359.3	1685.0	1728.9	1690.7	1311.5
85°	164.3	173.8	224.5	320.0	482.4	730.7	1059.4	1340.2	1335.3	1272.4	962.9
87.5°	116.6	124.2	162.4	228.3	340.1	517.7	774.6	972.4	960.9	918.9	669.6
90°	87.0	92.7	120.4	166.2	244.5	363.0	536.8	673.5	640.0	614.1	442.3
92.5°	64.0	68.8	89.8	121.3	174.9	254.1	354.3	435.6	401.2	383.1	279.9
95°	46.8	49.7	65.9	88.8	127.1	176.7	232.0	274.1	246.5	234.1	176.7
97.5°	36.3	38.2	50.6	68.8	94.6	127.1	156.7	172.0	156.7	149.0	122.3
100°	30.6	31.5	42.1	54.4	74.6	96.4	111.8	117.5	107.9	103.1	88.8
102.5°	25.7	26.8	34.4	44.9	60.2	76.4	84.0	86.0	77.3	74.6	66.8
105°	22.0	23.0	29.6	38.2	50.6	62.1	65.9	64.0	56.4	54.4	50.6
107.5°	19.1	20.1	24.8	32.4	42.1	51.6	52.6	48.7	42.1	40.1	38.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	17.2	17.2	22.0	27.8	36.3	42.9	42.9	37.2	31.5	30.6	30.6
112.5°	15.3	15.3	19.1	23.9	31.5	36.3	35.3	29.6	23.9	23.0	23.9
115°	13.3	13.3	16.3	22.0	27.8	31.5	29.6	23.9	18.1	18.1	20.1
117.5°	12.4	12.4	15.3	20.1	24.8	27.8	24.8	19.1	15.3	15.3	16.3
120°	11.5	11.5	14.3	18.1	23.0	24.8	22.0	16.3	12.4	12.4	14.3
122.5°	11.5	11.5	13.3	17.2	21.0	22.0	19.1	14.3	10.5	11.5	12.4
125°	11.5	12.4	13.3	16.3	19.1	19.1	16.3	12.4	9.5	9.5	11.5
127.5°	12.4	12.4	13.3	15.3	17.2	17.2	14.3	10.5	9.5	9.5	10.5
130°	13.3	13.3	13.3	14.3	15.3	14.3	12.4	9.5	8.6	8.6	9.5
132.5°	13.3	13.3	13.3	13.3	13.3	12.4	10.5	8.6	7.6	8.6	9.5
135°	12.4	12.4	12.4	12.4	11.5	10.5	8.6	6.7	6.7	6.7	7.6
137.5°	11.5	10.5	10.5	10.5	9.5	8.6	6.7	4.8	5.7	5.7	6.7
140°	9.5	9.5	9.5	8.6	7.6	6.7	4.8	3.9	4.8	4.8	5.7
142.5°	7.6	7.6	7.6	6.7	5.7	4.8	2.8	2.8	3.9	4.8	4.8
145°	5.7	5.7	5.7	4.8	3.9	2.8	1.8	2.8	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	1.8	1.0	1.8	1.8	2.8	2.8	3.9
150°	1.8	1.8	2.8	1.8	1.0	1.0	1.0	1.8	1.8	2.8	2.8
152.5°	1.0	1.0	1.8	1.0	0.0	0.0	0.0	1.0	1.8	1.8	1.8
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1
2.5°	211.1	210.1	208.2	205.4	203.4	202.4	202.4	200.6	200.6	200.6	199.6
5°	214.9	212.1	208.2	204.5	200.6	197.8	196.7	194.8	193.0	193.0	192.0
7.5°	220.7	217.8	211.1	205.4	199.6	195.8	193.9	192.0	190.1	189.1	188.2
10°	235.9	232.0	221.6	212.1	204.5	198.7	195.8	193.9	192.0	192.0	191.1
12.5°	267.4	260.8	247.4	231.2	214.9	206.3	203.4	210.1	213.0	215.9	215.9
15°	314.2	307.6	287.6	263.7	239.8	223.6	228.3	237.8	245.5	250.3	250.3
17.5°	371.6	361.1	336.2	301.9	270.3	258.8	257.0	267.4	278.9	285.6	285.6
20°	439.4	426.9	392.6	345.8	310.4	293.3	289.4	299.0	312.4	322.9	322.9
22.5°	527.2	513.0	462.2	396.4	350.6	326.6	321.9	331.5	350.6	364.9	364.0
25°	641.9	619.0	549.2	457.6	390.7	357.3	353.5	368.8	394.5	414.5	417.5
27.5°	774.6	742.2	638.1	523.5	429.8	384.0	384.9	406.0	437.5	459.4	459.4
30°	924.7	890.3	745.0	588.4	463.3	406.9	410.7	438.4	470.0	491.8	491.8
32.5°	1098.5	1047.9	857.8	652.4	492.9	424.2	428.0	461.4	492.9	516.8	517.7
35°	1274.3	1205.4	960.0	704.9	517.7	438.4	440.4	479.5	513.9	540.7	543.6
37.5°	1434.7	1345.8	1050.7	741.3	529.2	445.1	448.0	492.9	532.9	557.9	557.9
40°	1549.3	1437.7	1094.7	749.8	532.1	447.1	455.6	501.5	532.1	543.6	538.7
42.5°	1679.2	1541.7	1122.4	735.6	521.5	446.1	459.4	495.7	512.0	513.0	508.2
45°	1860.8	1682.1	1173.0	723.1	502.5	444.1	454.6	481.4	486.2	477.6	471.9
47.5°	2070.9	1835.0	1215.1	707.8	490.0	439.4	448.0	464.3	460.4	445.1	440.4
50°	2307.8	2028.8	1267.5	688.7	480.5	433.6	441.3	451.8	447.1	430.8	426.9
52.5°	2540.0	2198.9	1301.0	668.6	471.9	430.8	436.5	448.9	443.3	424.2	418.4
55°	2783.5	2371.8	1308.6	634.2	465.2	430.8	437.5	450.8	444.1	424.2	418.4
57.5°	3070.0	2558.1	1308.6	594.2	454.6	432.6	440.4	453.8	448.0	428.0	423.2
60°	3303.1	2690.8	1280.9	558.8	442.3	432.6	441.3	455.6	454.6	440.4	437.5
62.5°	3432.1	2739.5	1205.4	519.6	431.8	429.8	442.3	460.4	467.1	456.6	453.8
65°	3500.8	2723.3	1117.6	480.5	422.2	424.2	442.3	463.3	473.7	468.0	464.3
67°	3411.1	2608.7	1021.1	453.8	412.7	419.3	440.4	463.3	477.6	475.8	471.9
67.5°	3366.2	2562.7	993.3	448.9	409.8	418.4	439.4	463.3	477.6	477.6	473.7
70°	3086.2	2305.0	849.2	413.6	391.5	404.0	428.9	458.5	474.7	475.8	473.7
72.5°	2608.7	1895.1	701.1	380.2	368.8	383.1	413.6	444.1	459.4	457.6	455.6
75°	2125.3	1528.3	571.2	347.7	342.0	358.2	385.9	414.5	425.0	420.3	418.4
77.5°	1683.0	1192.1	468.0	316.2	315.2	329.5	351.5	372.6	378.2	369.7	368.8
80°	1293.3	911.2	383.1	290.4	287.6	298.1	313.3	327.7	331.5	322.9	321.0
82.5°	990.6	690.6	318.1	261.6	260.8	266.5	277.0	286.6	293.3	284.6	281.8
85°	716.4	505.4	267.4	231.2	232.0	235.0	241.7	248.3	257.9	255.0	251.2
87.5°	499.6	366.8	227.4	202.4	202.4	204.5	208.2	214.9	227.4	226.3	222.6
90°	340.1	264.6	191.1	176.7	173.8	174.9	177.6	181.5	193.0	192.0	189.1
92.5°	227.4	188.2	154.7	146.2	145.2	146.2	146.2	149.0	154.7	151.9	149.0
95°	151.9	135.6	123.3	118.4	116.6	117.5	117.5	115.6	119.4	114.6	111.8
97.5°	108.9	102.1	99.3	95.5	92.7	93.6	93.6	91.7	92.7	86.0	84.0
100°	83.1	81.2	81.2	77.3	74.6	75.5	75.5	74.6	73.5	65.9	64.9
102.5°	65.9	64.9	65.9	63.1	60.2	62.1	61.1	60.2	58.2	51.6	50.6
105°	51.6	51.6	54.4	51.6	49.7	50.6	50.6	48.7	46.8	41.1	41.1
107.5°	40.1	41.1	43.9	42.1	41.1	42.1	41.1	39.2	36.3	32.4	32.4



REPORT NUMBER: P254308

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.5	33.5	36.3	35.3	34.4	35.3	33.5	31.5	28.6	26.8	26.8
112.5°	25.7	26.8	29.6	29.6	28.6	29.6	27.8	24.8	23.0	22.0	22.0
115°	21.0	23.0	24.8	24.8	24.8	24.8	23.0	20.1	18.1	18.1	18.1
117.5°	18.1	19.1	21.0	21.0	21.0	21.0	19.1	16.3	14.3	15.3	15.3
120°	15.3	16.3	18.1	18.1	18.1	18.1	16.3	13.3	11.5	12.4	12.4
122.5°	13.3	14.3	15.3	16.3	16.3	15.3	13.3	11.5	9.5	10.5	10.5
125°	12.4	13.3	13.3	14.3	13.3	13.3	11.5	9.5	8.6	9.5	9.5
127.5°	11.5	12.4	12.4	12.4	12.4	10.5	9.5	7.6	6.7	7.6	8.6
130°	10.5	11.5	11.5	10.5	9.5	8.6	7.6	6.7	5.7	6.7	7.6
132.5°	10.5	10.5	10.5	9.5	8.6	6.7	5.7	4.8	4.8	5.7	6.7
135°	8.6	8.6	8.6	7.6	5.7	4.8	3.9	3.9	3.9	4.8	4.8
137.5°	6.7	7.6	6.7	5.7	4.8	3.9	2.8	2.8	2.8	3.9	3.9
140°	5.7	5.7	5.7	4.8	3.9	1.8	1.0	1.0	1.8	1.8	2.8
142.5°	4.8	5.7	4.8	3.9	2.8	1.0	0.0	1.0	1.0	1.0	1.0
145°	4.8	4.8	3.9	2.8	1.8	1.0	0.0	0.0	1.0	0.0	0.0
147.5°	3.9	3.9	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	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)