

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: P255118

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8001 lumens
Efficiency: N/A
Efficacy: 85.1 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 - G3

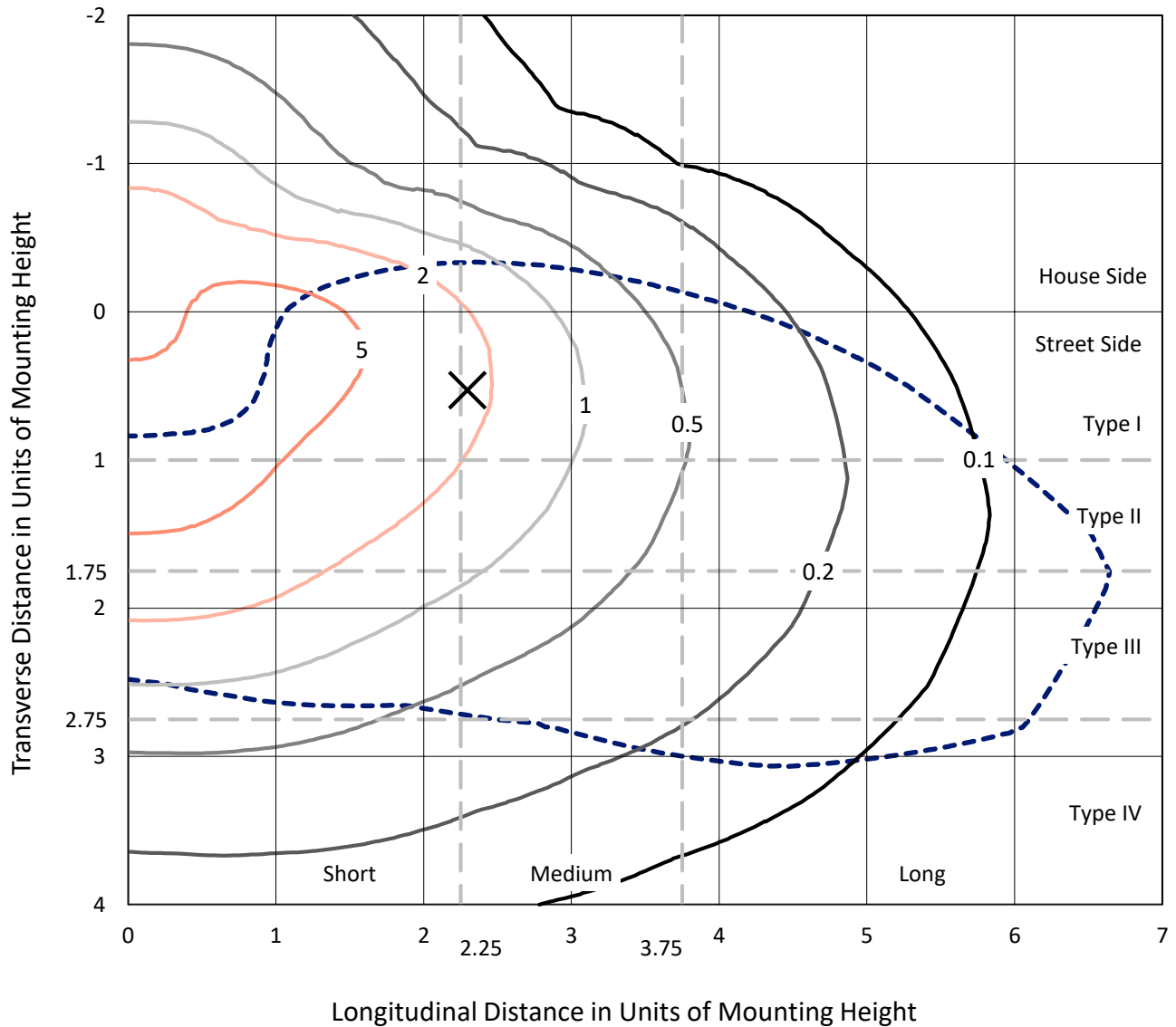
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

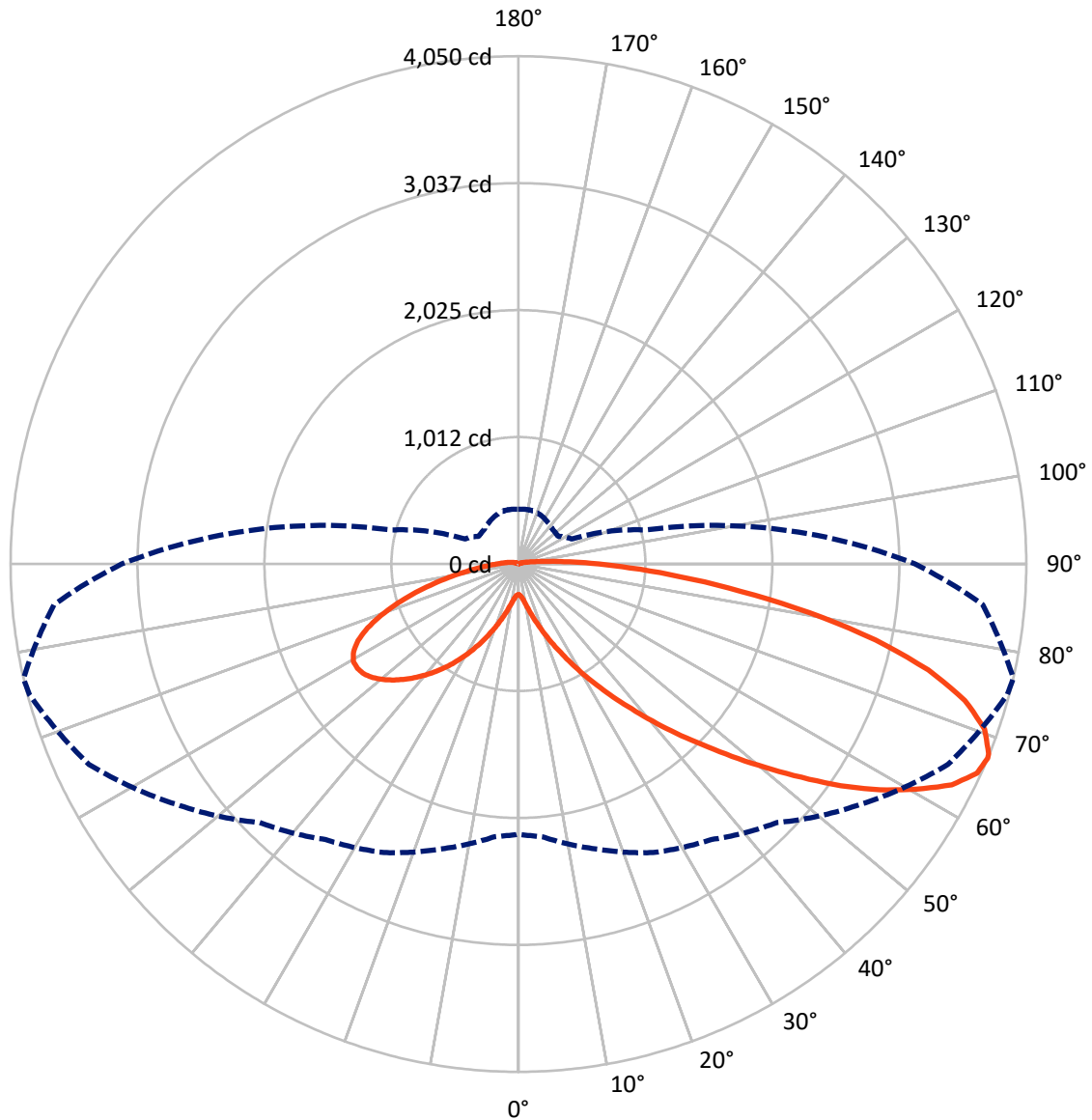


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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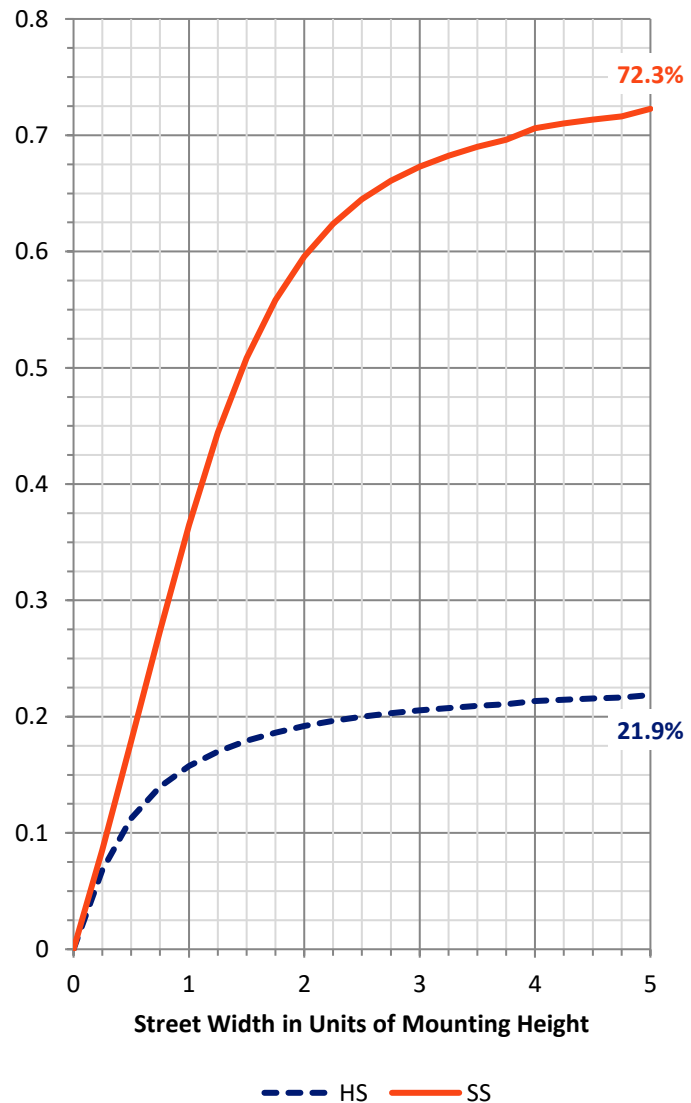
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1827.0	110.3	1937.3
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	5932.2	131.5	6063.7
	% Fixture	74.1	1.6	75.8
Total	Lumens	7759.2	241.8	8001.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	0.3
10°-20°	118.4	1.5
20°-30°	311.2	3.9
30°-40°	636.1	8.0
40°-50°	1102.7	13.8
50°-60°	1635.5	20.4
60°-70°	1897.9	23.7
70°-80°	1433.6	17.9
80°-90°	597.5	7.5
90°-100°	158.4	2.0
100°-110°	51.5	0.6
110°-120°	20.4	0.3
120°-130°	7.7	0.1
130°-140°	2.9	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7759.2	97.0
0°-180°	8001.0	100.0



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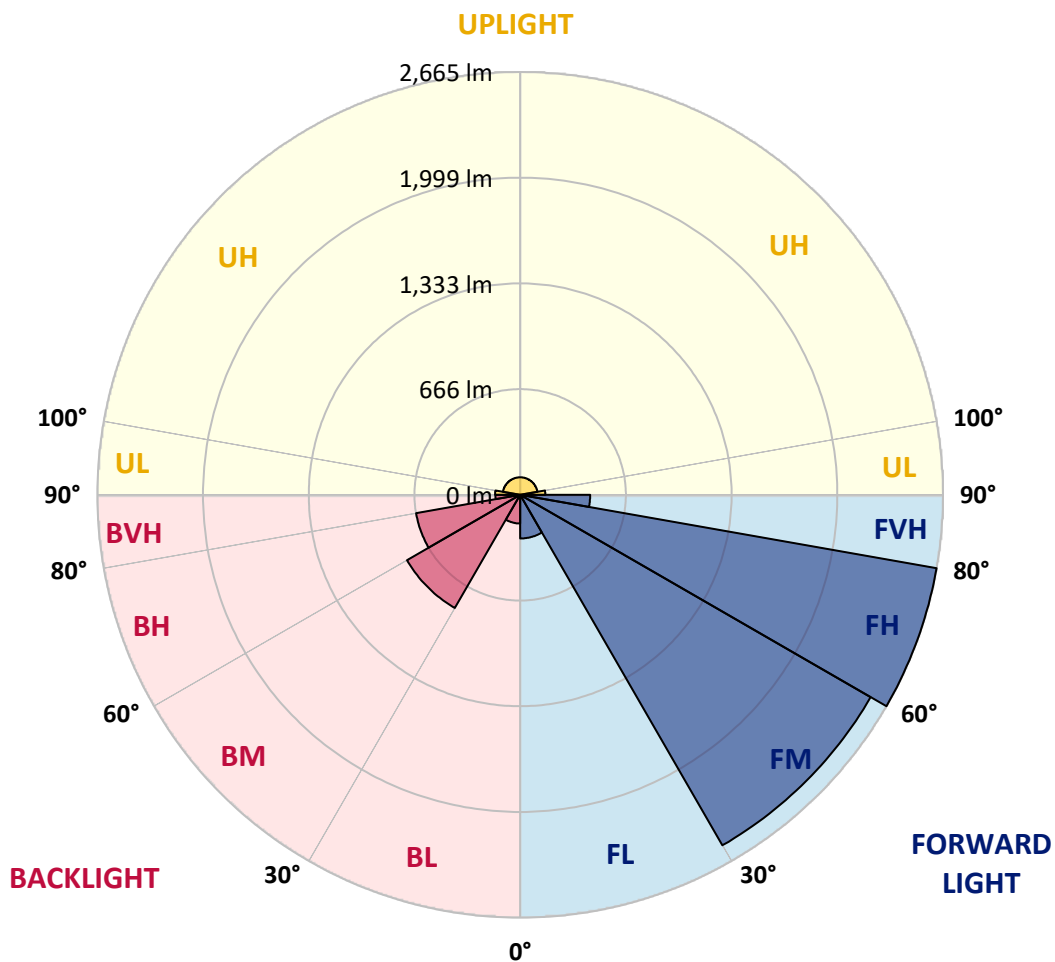
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.0	3.4			
FM (30°-60°)	2550.6	31.9			
FH (60°-80°)	2665.4	33.3			G2/5000
FVH (80°-90°)	441.3	5.5			G3/500
BL (0°-30°)	180.9	2.3	B1/500		
BM (30°-60°)	823.7	10.3	B1/1000		
BH (60°-80°)	666.2	8.3	B2/1000		G2/1000
BVH (80°-90°)	156.2	2.0			G2/225
UL (90°-100°)	158.4	2.0		U3/500	
UH (100°-180°)	110.3	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5
2.5°	257.0	257.0	258.8	257.9	257.9	256.0	255.0	252.2	250.2	250.2	249.3
5°	276.0	276.0	277.0	277.9	276.0	275.2	272.2	268.4	265.5	265.5	263.7
7.5°	304.8	304.8	303.7	304.8	303.7	301.8	298.1	296.1	290.4	291.2	288.5
10°	345.8	345.8	343.8	345.8	341.0	339.0	336.2	333.3	326.6	328.6	323.9
12.5°	404.0	404.0	402.1	399.3	392.6	388.8	386.9	384.9	379.2	380.1	374.4
15°	473.7	472.8	470.9	467.1	456.6	451.8	447.0	444.1	439.3	441.3	435.5
17.5°	555.9	554.0	547.3	541.6	531.1	523.5	516.7	513.8	508.2	509.1	501.5
20°	650.4	648.6	639.9	631.4	616.1	605.6	598.8	592.1	586.5	592.1	577.9
22.5°	762.2	764.2	746.0	732.6	709.6	696.3	687.7	682.0	676.2	681.0	664.8
25°	890.3	889.3	869.1	852.0	819.6	796.6	784.2	780.3	777.5	781.3	769.8
27.5°	1037.3	1033.5	1011.5	975.2	938.9	903.6	887.3	890.3	889.3	892.1	880.6
30°	1200.6	1198.7	1168.2	1116.5	1068.8	1021.0	1005.7	1004.8	1013.4	1019.2	996.2
32.5°	1381.1	1383.1	1342.0	1275.2	1204.5	1151.9	1137.6	1139.5	1150.9	1150.0	1132.8
35°	1580.8	1580.8	1537.9	1453.7	1360.2	1292.3	1276.0	1294.2	1301.0	1302.8	1277.0
37.5°	1793.8	1790.9	1750.8	1641.9	1535.0	1446.1	1417.4	1440.4	1466.1	1463.3	1436.5
40°	2022.1	2014.4	1961.9	1840.6	1710.7	1603.7	1571.2	1606.5	1643.8	1645.8	1613.2
42.5°	2239.9	2233.2	2178.7	2048.8	1893.1	1783.2	1746.9	1786.2	1839.6	1844.4	1786.2
45°	2444.2	2443.2	2393.7	2259.9	2089.9	1962.9	1926.6	1978.1	2052.7	2052.7	1991.5
47.5°	2637.2	2625.7	2593.3	2459.5	2299.1	2149.1	2113.7	2185.4	2288.6	2291.3	2219.8
50°	2785.2	2777.6	2761.3	2640.0	2476.7	2341.1	2308.6	2415.6	2535.9	2546.4	2458.6
52.5°	2887.4	2879.7	2892.2	2797.7	2650.5	2530.2	2518.8	2651.5	2808.2	2825.3	2720.2
55°	2927.5	2930.5	2970.5	2908.5	2791.9	2696.4	2737.5	2901.7	3087.0	3120.5	2983.0
57.5°	2907.5	2916.1	2986.7	2973.4	2892.2	2830.2	2938.1	3144.4	3367.0	3398.4	3240.8
60°	2802.4	2820.5	2924.7	2960.1	2929.5	2949.6	3115.7	3389.9	3632.5	3646.7	3488.2
62.5°	2631.4	2651.5	2788.1	2879.7	2899.8	2992.5	3245.6	3596.2	3853.1	3877.9	3646.7
65°	2388.9	2417.5	2569.3	2728.9	2809.0	2979.2	3330.7	3729.9	3993.5	4019.3	3727.1
67°	2153.8	2182.6	2350.6	2538.7	2682.1	2916.1	3337.4	3779.5	4034.6	4049.8	3716.5
67.5°	2089.9	2119.5	2287.6	2484.3	2642.0	2891.2	3331.6	3784.3	4034.6	4044.1	3702.1
70°	1740.3	1779.4	1950.4	2176.8	2385.0	2719.4	3247.5	3724.1	3963.0	3944.8	3527.3
72.5°	1376.3	1412.7	1579.8	1819.6	2058.3	2459.5	3058.3	3546.4	3745.2	3723.2	3239.9
75°	1028.6	1059.3	1219.8	1452.8	1705.9	2118.5	2762.3	3258.0	3398.4	3375.4	2842.5
77.5°	736.4	761.2	899.7	1113.7	1347.7	1746.9	2364.1	2849.3	2937.1	2910.3	2360.2
80°	506.2	535.8	635.2	826.2	1026.8	1366.9	1906.5	2321.0	2382.2	2354.4	1844.4
82.5°	334.4	350.5	438.4	593.2	760.3	1036.4	1457.5	1800.5	1853.0	1786.2	1367.8
85°	217.8	221.6	288.5	407.9	548.3	752.7	1068.8	1322.9	1346.7	1297.1	973.3
87.5°	133.8	139.5	186.3	267.4	378.2	530.1	755.5	924.6	928.3	888.3	657.2
90°	86.0	89.8	119.4	173.8	257.0	361.1	509.1	614.1	611.3	579.7	419.3
92.5°	59.2	61.0	83.1	119.4	167.1	237.8	326.6	387.8	382.1	364.0	264.6
95°	42.9	44.9	61.0	87.0	116.6	156.7	203.4	235.0	228.3	216.8	166.2
97.5°	31.4	33.5	46.8	65.9	87.0	107.9	130.9	140.4	138.5	132.8	110.8
100°	23.9	25.7	36.3	51.6	67.8	80.2	91.7	92.7	89.8	87.9	80.2
102.5°	20.1	21.0	29.6	42.9	55.4	64.0	68.8	67.8	64.0	63.1	59.2
105°	17.2	18.1	25.7	36.3	45.9	53.5	55.4	52.6	47.7	46.8	44.9
107.5°	15.3	15.3	22.0	31.4	40.1	44.9	45.9	41.1	35.3	34.4	33.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	13.3	13.3	19.1	26.8	34.4	38.2	38.2	32.4	24.8	23.9	24.8
112.5°	11.5	12.4	16.3	23.0	29.6	32.4	31.4	25.7	18.1	17.2	18.1
115°	10.5	10.5	14.3	20.1	24.8	27.8	25.7	19.1	13.3	12.4	13.3
117.5°	9.5	9.5	12.4	17.2	21.0	23.0	21.0	15.3	9.5	9.5	10.5
120°	8.6	8.6	10.5	14.3	18.1	19.1	16.3	11.5	7.6	7.6	8.6
122.5°	7.6	7.6	9.5	12.4	15.3	15.3	13.3	8.6	5.7	5.7	6.7
125°	6.7	7.6	8.6	10.5	12.4	12.4	10.5	6.7	4.8	5.7	6.7
127.5°	6.7	6.7	7.6	8.6	10.5	10.5	8.6	4.8	4.8	4.8	5.7
130°	5.7	5.7	6.7	7.6	8.6	8.6	6.7	3.9	4.8	4.8	5.7
132.5°	5.7	5.7	5.7	6.7	6.7	6.7	4.8	3.9	3.9	4.8	4.8
135°	4.8	4.8	4.8	5.7	5.7	4.8	2.8	2.8	3.9	3.9	4.8
137.5°	3.9	3.9	4.8	3.9	3.9	3.9	2.8	2.8	3.9	3.9	3.9
140°	3.9	3.9	3.9	2.8	2.8	1.8	1.8	2.8	2.8	3.9	3.9
142.5°	1.8	2.8	2.8	1.8	1.8	1.0	1.8	1.8	2.8	2.8	2.8
145°	1.0	1.0	1.8	1.0	1.0	1.0	1.0	1.8	1.8	2.8	2.8
147.5°	0.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.8	1.8	1.8
150°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5
2.5°	248.3	247.4	244.5	242.5	241.7	240.7	239.8	238.8	238.8	238.8	238.8
5°	261.6	260.8	256.0	252.2	249.3	246.4	244.5	242.5	241.7	240.7	239.8
7.5°	285.6	282.8	277.0	270.3	263.7	257.9	254.0	252.2	249.3	248.3	247.4
10°	320.9	318.1	307.6	296.1	285.6	277.0	270.3	266.5	264.6	262.7	262.7
12.5°	369.7	367.7	349.6	335.2	315.2	301.8	294.2	291.2	290.4	288.5	289.4
15°	427.9	424.0	400.2	378.2	351.5	335.2	323.9	319.0	317.1	314.2	315.2
17.5°	494.7	482.4	454.6	421.2	388.8	368.6	353.5	344.8	342.0	340.1	341.0
20°	568.3	555.9	513.8	466.1	426.9	401.2	380.1	369.7	365.8	365.8	365.8
22.5°	653.4	637.1	578.8	514.8	463.3	426.9	403.0	392.6	388.8	388.8	389.7
25°	750.7	724.0	649.5	566.4	497.6	448.9	424.0	412.7	409.7	409.7	410.7
27.5°	856.8	820.4	722.1	613.2	522.5	464.3	437.5	427.9	426.0	426.0	426.9
30°	972.3	924.6	796.6	655.2	541.6	473.7	445.1	437.5	436.5	437.5	437.5
32.5°	1094.6	1040.1	870.1	690.6	554.0	478.5	449.9	445.1	444.1	446.1	444.1
35°	1227.4	1154.8	943.7	719.3	561.6	479.5	451.8	448.9	448.9	448.0	447.0
37.5°	1370.6	1274.2	1011.5	740.2	561.6	477.6	450.8	449.9	449.9	448.0	446.1
40°	1535.0	1404.1	1074.6	752.7	555.9	471.9	448.9	448.9	448.0	444.1	442.3
42.5°	1694.4	1538.7	1134.7	754.6	546.3	464.3	446.1	448.0	446.1	438.4	436.5
45°	1872.0	1684.9	1188.2	751.7	532.9	456.6	443.1	447.0	443.1	433.6	431.7
47.5°	2078.4	1842.4	1235.0	740.2	515.8	448.0	439.3	444.1	442.3	430.8	428.9
50°	2290.4	2000.1	1272.3	724.0	498.6	440.4	436.5	443.1	441.3	428.9	426.9
52.5°	2512.1	2163.5	1299.0	698.1	480.4	432.6	433.6	442.3	442.3	429.8	427.9
55°	2731.7	2311.5	1311.4	665.7	461.3	426.0	430.8	442.3	445.1	432.6	430.8
57.5°	2934.2	2430.9	1304.8	628.5	443.1	418.4	428.9	441.3	447.0	435.5	433.6
60°	3103.3	2535.9	1276.0	588.4	427.9	411.7	426.0	441.3	448.0	439.3	437.5
62.5°	3206.4	2573.2	1217.8	545.4	412.7	404.0	421.2	439.3	447.0	440.4	438.4
65°	3226.5	2544.5	1134.7	504.3	398.2	395.4	413.5	433.6	444.1	440.4	437.5
67°	3163.5	2459.5	1047.8	471.9	385.9	386.9	406.9	427.9	440.4	439.3	435.5
67.5°	3135.7	2428.0	1025.8	463.3	383.9	383.9	405.1	426.0	439.3	438.4	435.5
70°	2950.4	2238.8	899.7	423.2	368.6	371.6	392.6	416.5	430.8	431.7	429.8
72.5°	2655.3	1974.4	772.7	384.9	351.5	355.3	376.3	400.2	416.5	418.4	415.5
75°	2266.6	1662.9	646.6	350.5	332.3	335.2	356.3	379.2	396.4	399.3	396.4
77.5°	1874.1	1330.6	528.2	318.1	309.4	314.2	332.3	353.5	369.7	371.6	369.7
80°	1433.7	1009.5	421.2	287.5	284.6	289.4	304.8	322.9	337.2	339.0	337.2
82.5°	1052.6	740.2	333.3	257.0	256.0	260.8	273.1	290.4	301.8	302.7	299.9
85°	750.7	522.5	265.5	223.6	225.4	227.4	238.8	252.2	261.6	262.7	257.0
87.5°	503.3	356.3	207.3	192.0	193.9	193.9	200.6	212.1	218.7	217.8	212.9
90°	328.6	242.5	167.1	163.4	164.3	164.3	167.1	174.9	180.5	177.6	174.9
92.5°	212.1	170.0	137.5	139.5	139.5	137.5	138.5	144.2	147.1	144.2	142.4
95°	144.2	125.1	114.6	117.5	118.4	114.6	114.6	117.5	119.4	115.6	112.7
97.5°	104.2	96.4	94.5	99.3	98.4	95.5	93.6	94.5	95.5	90.6	88.8
100°	78.3	76.4	77.3	83.1	82.2	79.3	77.3	76.4	75.5	70.7	69.7
102.5°	61.0	60.2	64.0	68.8	67.8	64.9	63.1	62.1	60.2	54.4	54.4
105°	46.8	47.7	52.6	57.4	56.4	54.4	52.6	50.6	46.8	42.1	42.1
107.5°	35.3	37.2	42.9	47.7	46.8	44.9	42.9	41.1	36.3	32.4	32.4



REPORT NUMBER: P255118

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.8	28.6	34.4	39.2	38.2	37.2	35.3	32.4	27.8	24.8	23.9
112.5°	20.1	22.0	27.8	31.4	31.4	30.6	28.6	25.7	21.0	19.1	18.1
115°	15.3	17.2	22.0	24.8	24.8	23.9	23.0	20.1	15.3	14.3	14.3
117.5°	12.4	13.3	17.2	20.1	20.1	19.1	18.1	15.3	11.5	11.5	11.5
120°	9.5	10.5	13.3	15.3	15.3	14.3	13.3	11.5	8.6	8.6	8.6
122.5°	8.6	8.6	10.5	12.4	11.5	11.5	10.5	8.6	6.7	6.7	6.7
125°	6.7	7.6	8.6	9.5	8.6	8.6	7.6	6.7	5.7	5.7	5.7
127.5°	6.7	6.7	6.7	6.7	6.7	6.7	5.7	4.8	3.9	4.8	4.8
130°	5.7	5.7	5.7	5.7	4.8	4.8	3.9	2.8	2.8	3.9	3.9
132.5°	5.7	5.7	5.7	4.8	3.9	2.8	2.8	1.8	2.8	2.8	2.8
135°	4.8	4.8	4.8	3.9	2.8	1.8	1.0	1.0	1.8	1.8	1.8
137.5°	4.8	4.8	3.9	3.9	2.8	1.0	0.0	1.0	1.0	1.0	1.0
140°	3.9	3.9	3.9	2.8	1.8	1.0	0.0	0.0	1.0	1.0	0.0
142.5°	3.9	3.9	2.8	1.8	1.0	0.0	0.0	0.0	1.0	0.0	0.0
145°	2.8	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	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°	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

(END OF REPORT)