

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: P254906

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4207.4 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

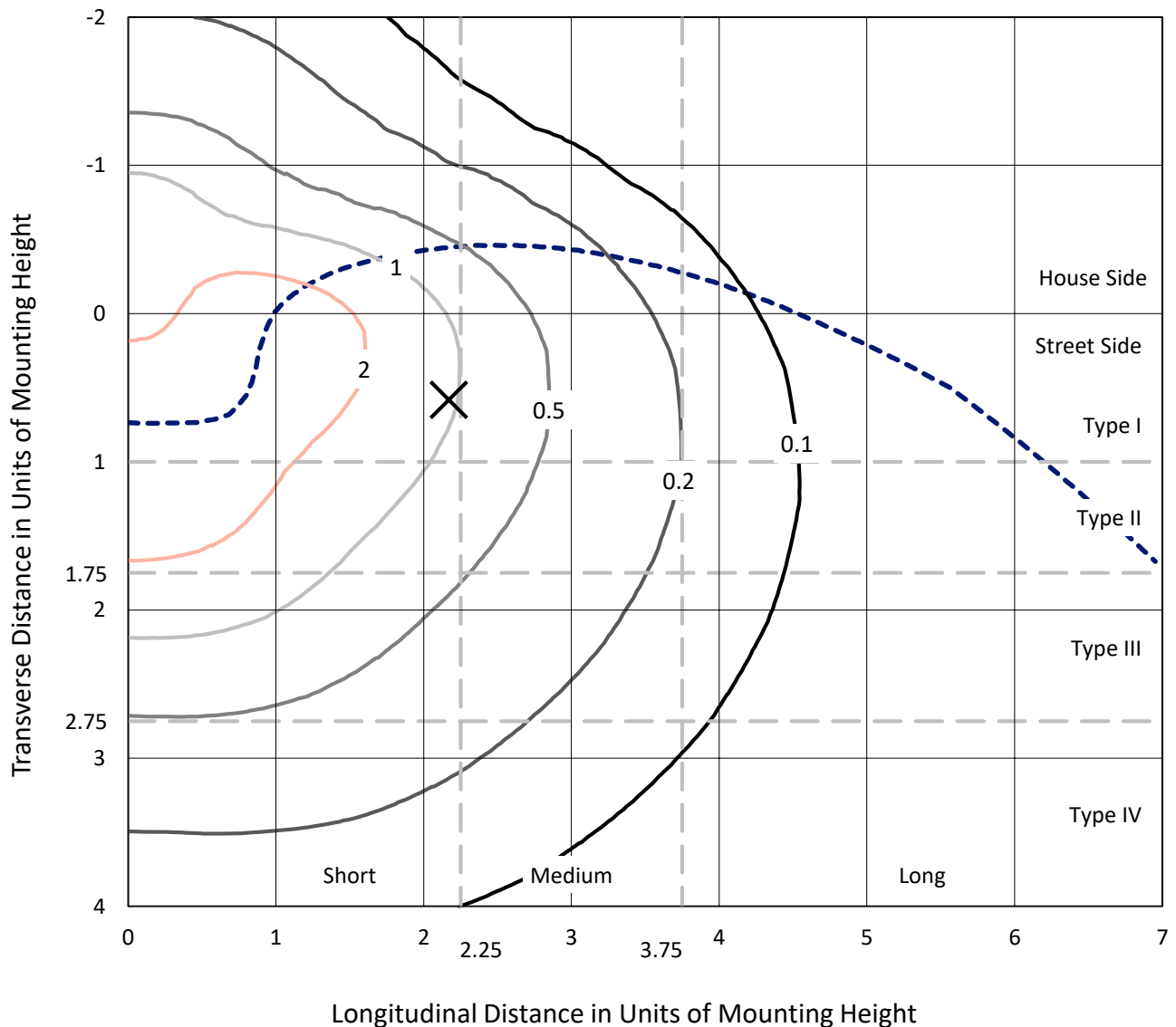
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

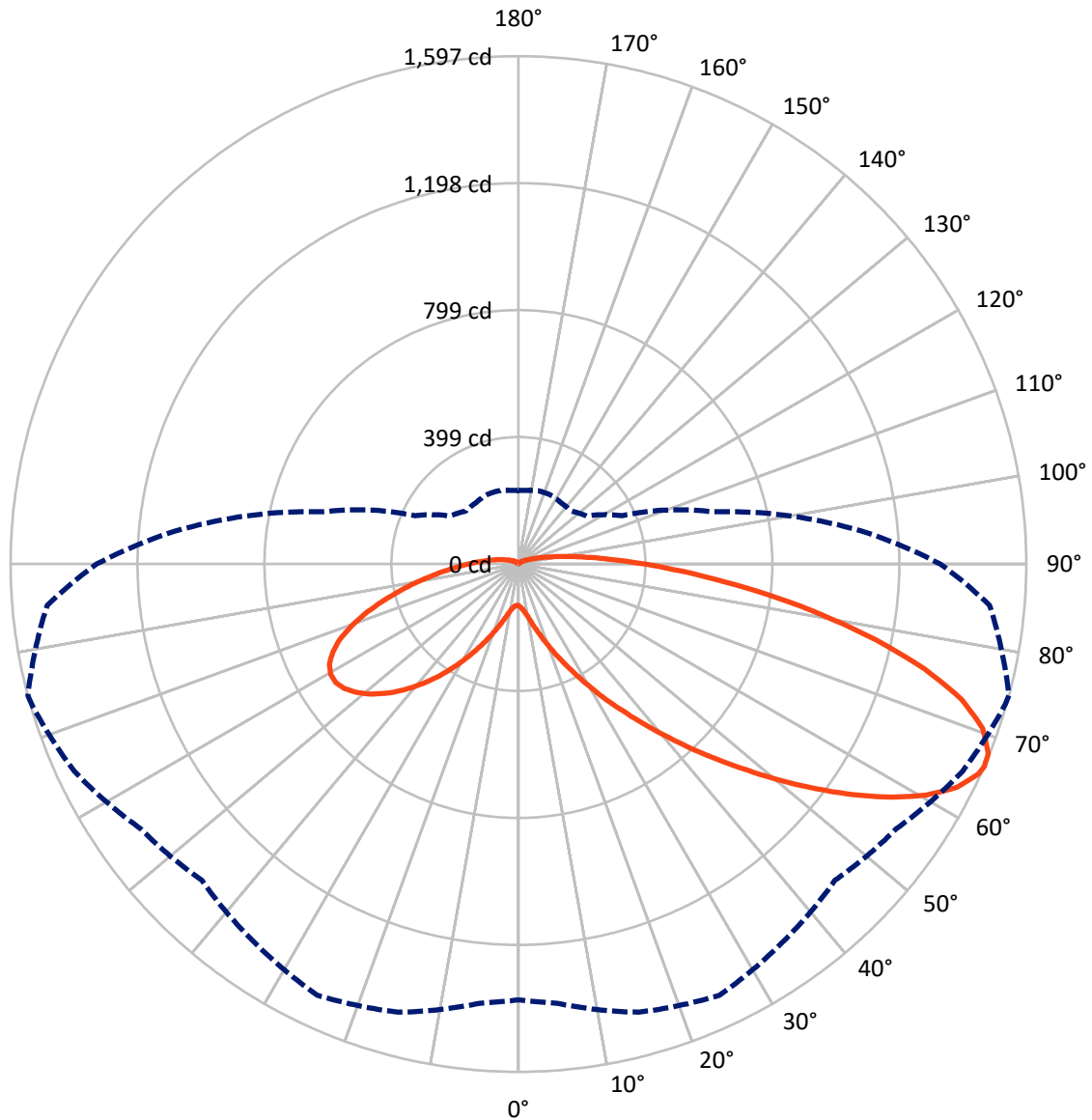
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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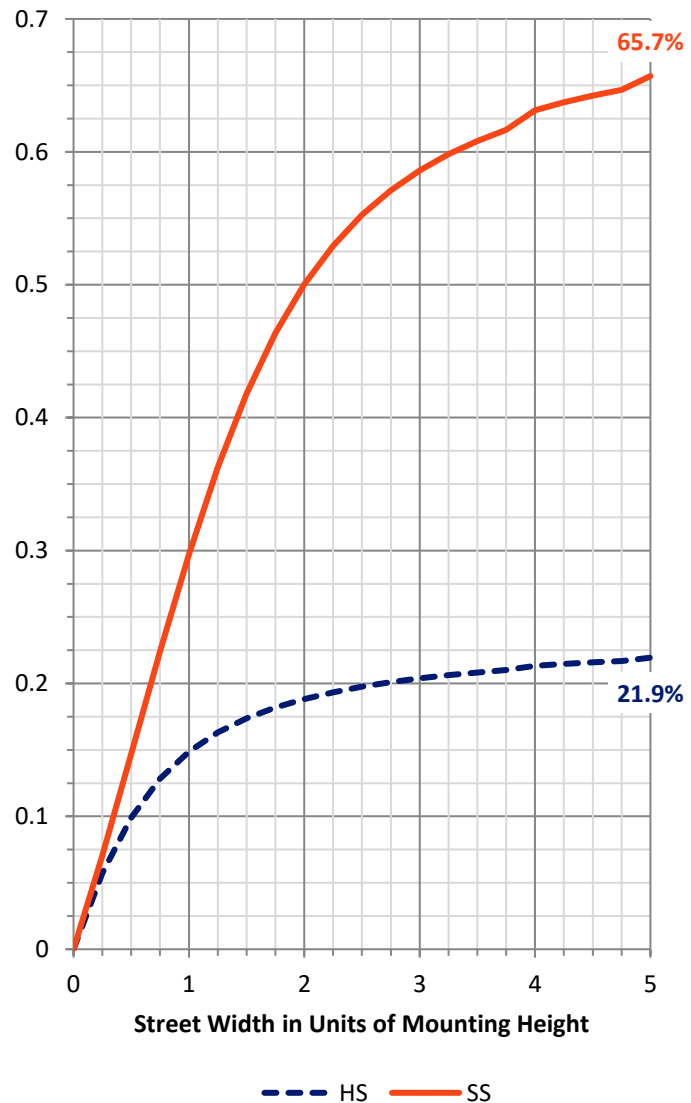
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.0	105.0	1080.0
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	2923.5	203.8	3127.3
	% Fixture	69.5	4.8	74.3
Total	Lumens	3898.5	308.9	4207.4
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.3
10°-20°	58.3	1.4
20°-30°	147.4	3.5
30°-40°	295.0	7.0
40°-50°	501.5	11.9
50°-60°	746.2	17.7
60°-70°	916.3	21.8
70°-80°	788.0	18.7
80°-90°	432.0	10.3
90°-100°	180.2	4.3
100°-110°	73.6	1.8
110°-120°	32.4	0.8
120°-130°	14.8	0.4
130°-140°	6.1	0.1
140°-150°	1.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3898.5	92.7
0°-180°	4207.4	100.0



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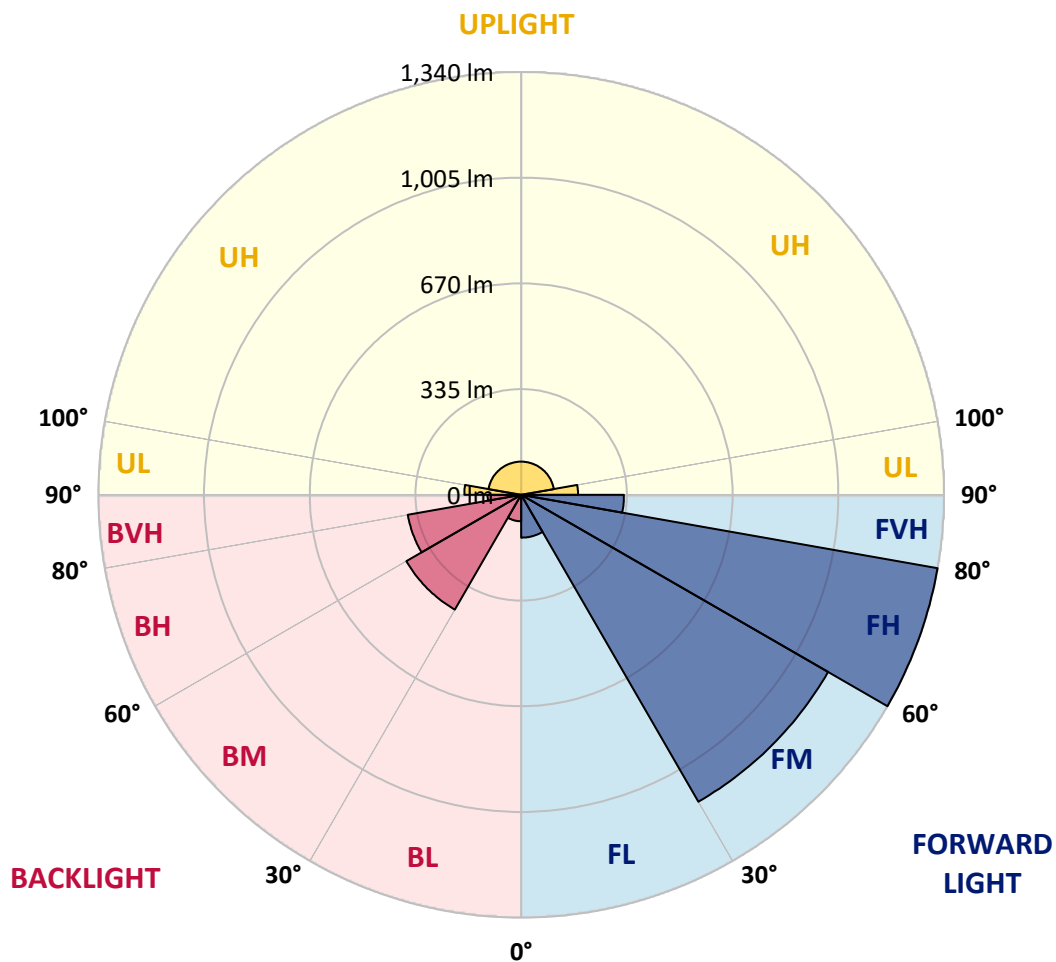
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.7	3.2			
FM (30°-60°)	1122.7	26.7			
FH (60°-80°)	1339.6	31.8			G1/1800
FVH (80°-90°)	325.5	7.7			G3/500
BL (0°-30°)	83.9	2.0	B0/110		
BM (30°-60°)	420.0	10.0	B1/1000		
BH (60°-80°)	364.6	8.7	B1/500		G1/500
BVH (80°-90°)	106.5	2.5			G2/225
UL (90°-100°)	180.2	4.3		U3/500	
UH (100°-180°)	105.0	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	144.6	144.6	144.1	144.1	142.6	141.1	140.0	137.5	136.0	136.0	133.9
5°	160.1	160.1	159.6	158.6	156.5	154.0	150.9	147.2	144.1	143.6	140.0
7.5°	179.0	179.0	178.0	175.9	172.9	169.3	165.2	160.1	155.5	154.5	149.2
10°	202.6	202.6	201.1	198.0	194.0	189.3	183.7	176.5	170.3	169.8	162.6
12.5°	232.4	230.9	229.9	224.7	219.1	212.9	206.2	197.5	191.4	191.4	181.6
15°	266.3	266.3	262.2	255.5	248.3	240.1	232.9	224.2	217.1	216.5	205.2
17.5°	303.7	303.2	298.6	290.4	280.6	272.4	263.2	253.5	245.2	245.2	231.9
20°	346.8	345.8	339.6	328.9	317.1	307.8	297.6	286.3	277.5	277.5	262.7
22.5°	396.1	394.0	386.4	371.4	359.7	346.3	334.5	323.3	313.9	315.0	298.1
25°	451.5	448.9	439.2	420.2	403.2	387.4	375.5	363.8	357.1	354.6	340.6
27.5°	514.0	508.9	498.2	474.0	449.9	430.5	418.2	409.4	403.2	401.2	385.3
30°	582.8	577.7	562.8	532.5	500.7	476.1	464.3	457.7	454.6	452.0	436.1
32.5°	661.3	655.7	635.2	597.2	556.2	525.4	514.0	511.0	511.0	508.9	493.1
35°	746.4	739.3	714.6	667.0	615.1	578.2	567.4	569.0	569.5	567.9	554.6
37.5°	837.3	829.6	800.4	743.4	678.7	634.6	623.9	631.1	641.3	635.7	621.9
40°	930.7	923.5	892.2	823.0	745.4	693.7	682.8	697.2	713.6	709.0	693.7
42.5°	1023.6	1020.5	980.9	907.1	816.7	755.8	748.0	770.1	792.7	789.6	772.6
45°	1124.6	1115.3	1076.9	994.3	893.2	827.6	818.9	848.5	879.3	876.3	859.4
47.5°	1215.4	1206.7	1170.3	1082.5	970.2	898.9	893.2	933.2	972.2	968.6	951.8
50°	1291.9	1290.9	1260.1	1169.2	1051.3	973.2	972.7	1023.1	1070.7	1069.7	1048.1
52.5°	1365.2	1363.7	1335.5	1253.4	1132.3	1048.1	1052.3	1118.0	1174.9	1174.9	1146.1
55°	1421.7	1421.2	1404.7	1333.4	1212.3	1131.3	1143.0	1215.4	1280.5	1280.5	1251.9
57.5°	1461.2	1460.7	1458.6	1404.2	1289.3	1210.3	1228.8	1311.3	1382.1	1383.6	1345.7
60°	1470.4	1475.0	1495.6	1461.2	1358.1	1282.1	1307.2	1399.6	1472.4	1475.0	1423.2
62.5°	1454.0	1461.2	1502.7	1495.6	1410.3	1346.7	1378.0	1472.9	1543.2	1547.3	1476.0
65°	1399.6	1414.4	1478.1	1501.7	1443.2	1394.0	1435.5	1526.3	1584.8	1590.5	1493.0
66°	1370.3	1386.3	1459.1	1496.1	1450.3	1407.3	1450.9	1541.2	1593.6	1597.1	1487.4
67.5°	1314.9	1330.9	1417.0	1474.0	1450.3	1420.2	1463.7	1551.4	1592.0	1593.6	1467.3
70°	1195.9	1220.6	1316.9	1405.2	1420.7	1413.4	1463.2	1536.1	1554.6	1549.4	1390.9
72.5°	1065.1	1078.9	1184.7	1304.7	1356.5	1370.3	1427.3	1478.1	1465.8	1458.1	1275.9
75°	893.2	913.2	1028.7	1165.7	1244.6	1287.3	1348.2	1366.3	1335.5	1319.1	1124.6
77.5°	745.9	754.2	861.9	1002.5	1106.6	1164.6	1222.1	1227.7	1164.1	1150.2	948.6
80°	593.1	601.3	700.3	835.2	948.1	1024.6	1074.8	1060.0	979.9	966.6	784.5
82.5°	463.3	474.5	550.4	679.2	788.6	869.1	907.6	883.4	807.5	788.6	624.9
85°	355.6	361.2	432.0	542.8	639.2	712.6	744.4	717.8	636.2	621.3	491.0
87.5°	270.9	276.5	336.6	423.8	508.9	571.5	596.2	562.3	496.1	486.4	381.2
90°	206.7	210.8	258.6	333.5	399.2	451.0	467.9	441.2	382.2	373.5	293.5
92.5°	158.6	162.1	199.1	258.6	312.4	356.6	363.8	338.6	293.0	285.3	225.8
95°	121.6	125.7	155.5	202.1	244.2	277.5	282.6	261.2	224.7	218.6	173.9
97.5°	95.4	97.0	122.1	160.1	194.5	217.6	219.6	203.2	171.9	167.8	133.9
100°	76.4	77.4	97.0	126.7	155.0	171.9	172.9	156.0	131.9	128.8	102.6
102.5°	62.1	63.1	77.9	102.1	123.2	137.0	136.5	123.2	102.1	98.0	80.0
105°	51.4	51.9	63.6	83.1	100.0	109.3	108.7	96.0	78.5	75.9	62.6
107.5°	43.1	43.6	52.4	67.7	82.0	89.8	88.3	75.4	61.1	59.5	49.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	36.4	36.9	43.6	56.5	69.3	74.4	72.3	60.0	48.2	46.1	40.0
112.5°	31.8	31.8	36.9	47.2	58.0	62.6	59.5	48.7	38.0	36.9	32.8
115°	27.7	28.2	31.8	40.0	49.2	52.4	49.2	39.0	30.8	29.8	27.2
117.5°	24.7	24.7	27.7	33.9	41.5	43.6	40.5	31.8	25.2	24.7	23.1
120°	22.1	22.1	24.1	28.7	34.9	36.9	33.9	26.2	20.6	20.0	19.5
122.5°	20.0	20.0	21.1	24.7	29.8	30.8	27.7	21.6	17.5	17.0	17.0
125°	18.0	18.0	18.5	21.1	25.2	26.2	23.1	17.5	14.8	14.3	14.3
127.5°	16.4	16.4	16.4	18.5	20.6	21.6	19.0	14.3	12.3	12.3	12.8
130°	14.8	14.8	14.8	15.3	17.0	17.5	15.3	11.8	10.7	10.7	10.7
132.5°	13.3	13.3	12.8	13.3	13.8	13.8	11.8	9.7	9.2	9.2	9.7
135°	11.8	11.8	11.3	11.3	11.3	10.7	9.2	7.7	7.7	7.7	8.2
137.5°	10.2	10.2	9.7	9.2	8.7	7.7	6.6	6.1	6.1	6.1	6.6
140°	8.7	8.7	8.2	7.2	6.1	5.6	4.6	4.6	5.1	5.1	5.1
142.5°	6.6	6.6	6.1	5.6	4.6	3.6	3.1	3.1	3.6	3.6	4.1
145°	5.1	5.1	4.6	3.6	2.6	2.0	1.5	2.0	2.6	2.6	3.1
147.5°	3.6	3.6	3.1	2.6	1.5	0.5	1.0	1.5	2.0	2.0	2.6
150°	2.0	2.0	1.5	1.0	0.0	0.0	0.5	1.0	1.5	1.5	1.5
152.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	132.9	131.9	129.8	128.3	126.2	125.2	124.2	123.2	122.7	121.6	121.6
5°	137.5	136.0	132.4	129.3	125.7	123.2	120.6	119.1	118.0	117.5	117.5
7.5°	146.2	143.6	138.0	133.4	128.3	125.2	122.1	119.1	117.5	117.0	117.0
10°	158.6	155.5	147.7	141.1	134.4	129.8	126.7	123.2	121.6	120.6	120.6
12.5°	176.5	171.3	162.1	152.4	143.6	138.0	133.9	131.3	131.3	132.4	131.9
15°	199.1	193.4	180.0	167.8	156.0	148.2	145.7	145.2	145.2	145.7	145.7
17.5°	223.7	215.9	200.6	184.7	170.8	163.2	160.1	159.1	159.1	159.6	160.6
20°	253.5	243.7	224.2	203.7	188.8	179.5	174.9	173.4	174.4	176.5	176.5
22.5°	287.9	277.0	250.9	224.7	207.2	195.5	189.9	188.3	190.4	192.9	193.4
25°	327.3	312.9	280.1	247.8	225.3	210.3	204.7	202.6	205.7	208.8	210.3
27.5°	370.9	352.5	311.9	270.9	241.1	223.2	217.1	216.5	220.7	224.7	226.3
30°	419.2	396.6	345.8	295.0	257.6	234.5	227.8	229.3	233.9	239.1	240.1
32.5°	472.5	445.8	381.2	318.6	270.4	243.2	235.5	239.1	244.7	251.4	252.5
35°	530.5	498.2	418.7	340.6	281.6	249.8	242.1	246.7	253.0	260.1	261.2
37.5°	593.6	554.1	456.1	360.2	290.4	254.0	245.7	251.4	258.6	265.3	266.3
40°	659.3	612.0	493.6	377.6	296.6	256.6	247.2	253.5	260.6	265.8	266.8
42.5°	733.7	674.6	530.0	391.5	300.1	257.1	247.2	253.0	260.1	263.7	264.2
45°	812.6	740.8	565.9	402.7	301.7	256.6	245.7	252.0	257.6	259.1	259.6
47.5°	894.8	808.5	598.2	409.4	301.7	254.5	243.7	248.3	253.0	252.5	253.0
50°	986.1	879.3	628.5	413.5	299.6	252.0	241.6	245.2	248.3	245.7	246.2
52.5°	1072.3	949.6	653.2	415.0	296.0	248.8	239.6	242.6	244.2	240.6	240.6
55°	1158.0	1015.8	673.1	411.9	291.4	246.2	238.0	241.1	241.1	236.5	236.5
57.5°	1237.5	1072.3	684.5	405.8	285.8	244.2	237.0	240.1	240.1	233.9	233.9
60°	1299.0	1112.8	685.0	396.1	279.1	241.6	236.5	240.1	239.6	233.4	232.9
62.5°	1336.5	1130.8	673.1	382.2	272.4	239.1	236.0	239.6	239.6	232.9	232.4
65°	1336.5	1119.0	647.4	365.8	264.7	236.0	235.0	239.6	238.6	232.4	231.4
66°	1326.3	1106.1	633.6	358.6	262.2	235.0	234.5	239.6	238.6	232.4	230.9
67.5°	1298.0	1075.3	611.0	346.8	256.0	232.4	233.4	238.0	237.5	230.9	229.9
70°	1215.9	995.8	562.3	325.8	246.7	227.8	230.4	234.5	233.9	227.8	225.8
72.5°	1095.4	891.2	506.9	303.2	236.5	221.7	224.7	228.8	227.8	222.7	220.7
75°	953.3	772.6	446.8	279.1	224.2	213.4	217.1	220.7	219.6	214.9	211.9
77.5°	799.8	650.5	387.4	254.0	211.3	203.2	206.7	210.3	208.3	204.2	202.1
80°	649.5	532.5	330.9	228.8	196.5	191.4	195.0	196.0	194.5	190.9	188.3
82.5°	518.2	428.4	277.5	204.2	180.6	177.5	180.0	180.0	178.5	174.9	172.4
85°	406.8	341.7	233.4	179.5	164.7	162.6	164.2	162.6	160.6	157.0	155.0
87.5°	320.7	273.9	195.5	158.0	147.2	146.7	147.2	143.6	141.6	138.5	136.5
90°	250.4	214.9	163.2	137.5	131.3	130.8	129.8	126.2	121.6	118.6	117.0
92.5°	195.5	172.9	134.9	117.5	114.4	113.9	112.3	107.7	104.6	100.6	99.0
95°	155.0	138.0	111.8	101.6	100.0	99.5	97.5	92.4	88.3	84.2	83.1
97.5°	121.6	109.3	93.4	87.3	86.7	86.2	83.7	77.9	73.3	69.3	68.7
100°	95.4	87.8	77.9	74.9	74.9	74.4	71.8	66.2	60.6	56.5	56.0
102.5°	75.9	70.8	65.2	64.1	64.1	63.6	61.1	56.5	49.7	45.1	45.1
105°	60.6	57.5	54.4	54.9	55.4	54.9	52.4	46.6	40.0	36.4	36.4
107.5°	48.7	46.6	45.6	46.6	47.2	47.2	44.6	38.5	32.3	29.3	29.3



REPORT NUMBER: P254906

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	39.5	38.5	38.5	39.5	40.5	40.5	37.4	32.3	26.2	23.6	23.6
112.5°	32.3	31.8	32.3	34.4	34.9	34.4	31.8	26.7	21.1	19.5	19.5
115°	27.2	27.2	27.7	29.3	30.3	29.3	26.7	21.6	17.0	15.9	15.9
117.5°	23.1	23.1	23.6	25.2	25.7	24.7	22.1	17.5	13.8	13.3	13.3
120°	19.5	19.5	20.0	21.1	21.6	20.6	18.0	14.3	11.3	10.7	11.3
122.5°	17.0	17.0	17.5	18.0	18.5	17.5	14.8	11.3	9.2	9.2	9.2
125°	14.8	14.8	14.8	15.3	15.3	14.3	12.3	9.2	7.2	7.7	7.7
127.5°	12.8	12.8	12.8	12.8	12.8	11.8	9.7	7.2	6.1	6.6	6.6
130°	11.3	11.3	10.7	10.7	10.2	9.7	7.7	5.6	5.1	5.6	5.6
132.5°	9.7	9.7	9.2	8.7	8.2	7.7	6.1	4.1	4.1	4.6	4.6
135°	8.2	8.2	7.7	7.2	6.6	5.6	4.1	3.1	3.1	3.6	3.6
137.5°	6.6	6.6	6.1	5.6	4.6	4.1	3.1	2.0	2.6	3.1	3.1
140°	5.1	5.1	4.6	4.1	3.1	2.0	1.5	1.5	1.5	2.0	2.0
142.5°	4.1	4.1	3.6	2.6	1.5	1.0	0.5	0.5	1.0	1.5	1.5
145°	3.1	3.1	2.6	2.0	1.0	0.5	0.0	0.0	0.5	0.5	0.5
147.5°	2.6	2.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.5	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)