

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: P254465

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
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-T2U-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4037.1 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

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

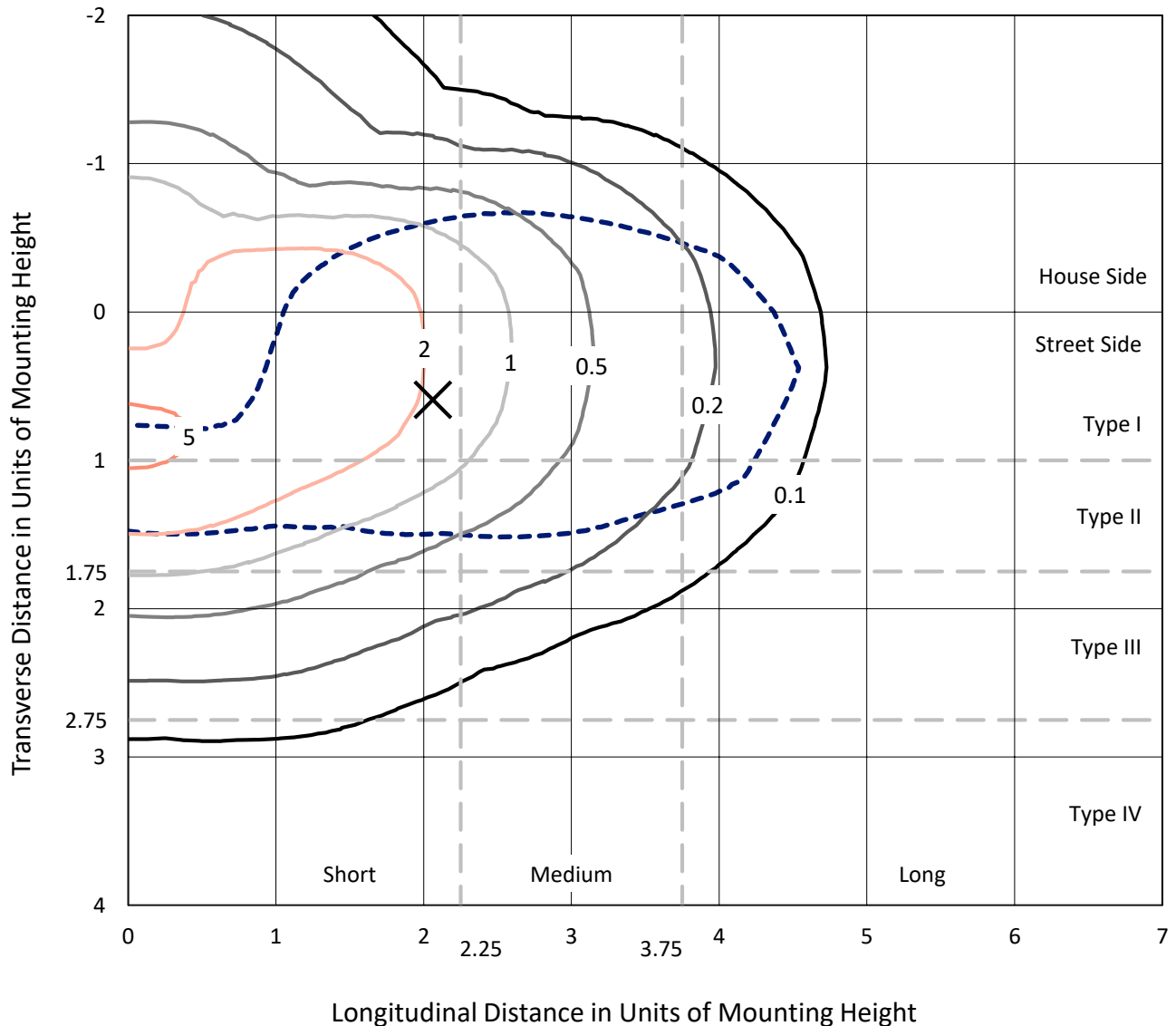


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

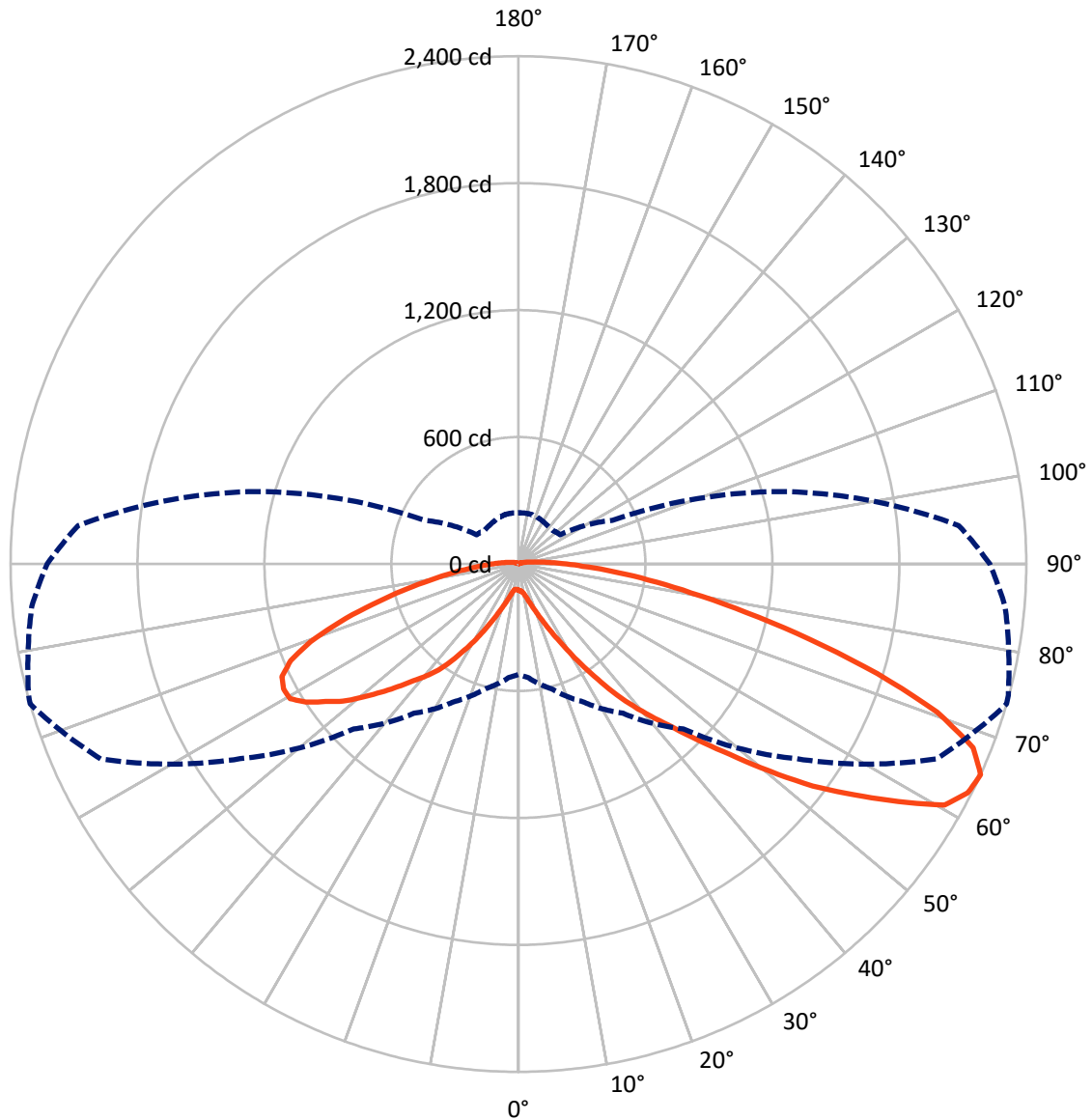


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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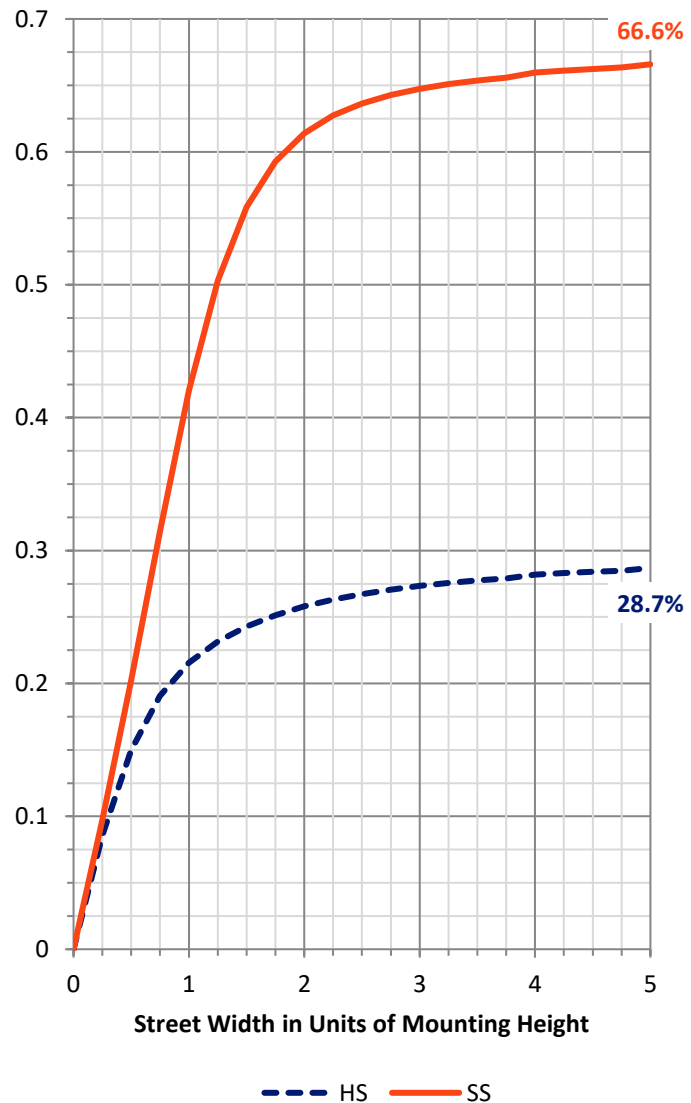
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1193.8	58.4	1252.2
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	2725.5	59.4	2784.9
	% Fixture	67.5	1.5	69.0
Total	Lumens	3919.3	117.8	4037.1
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.3
10°-20°	50.6	1.3
20°-30°	149.4	3.7
30°-40°	364.3	9.0
40°-50°	665.0	16.5
50°-60°	946.3	23.4
60°-70°	952.7	23.6
70°-80°	564.1	14.0
80°-90°	214.7	5.3
90°-100°	67.7	1.7
100°-110°	25.6	0.6
110°-120°	12.3	0.3
120°-130°	7.0	0.2
130°-140°	3.9	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3919.3	97.1
0°-180°	4037.1	100.0

Coefficient of Utilization



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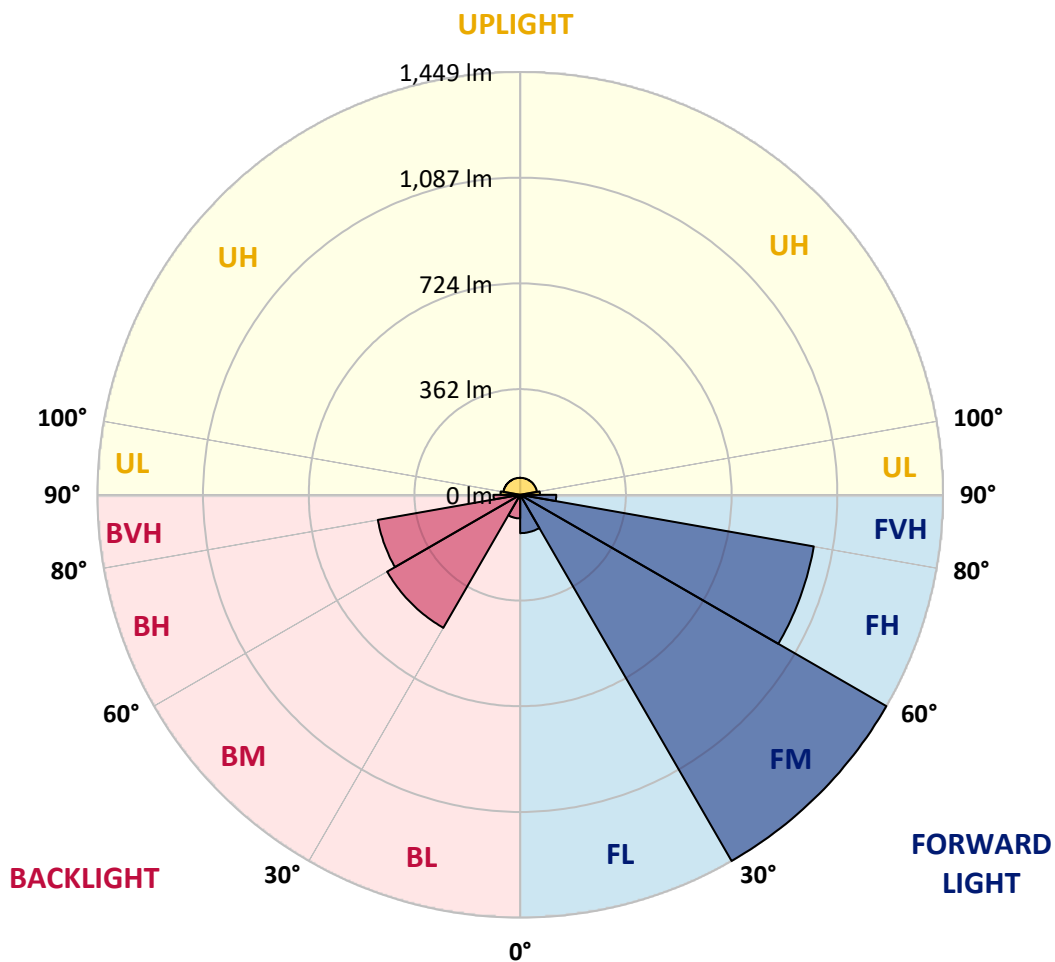
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.4	3.3			
FM (30°-60°)	1448.9	35.9			
FH (60°-80°)	1021.6	25.3			G1/1800
FVH (80°-90°)	123.5	3.1			G2/225
BL (0°-30°)	80.9	2.0	B0/110		
BM (30°-60°)	526.6	13.0	B1/1000		
BH (60°-80°)	495.1	12.3	B1/500		G1/500
BVH (80°-90°)	91.2	2.3			G1/100
UL (90°-100°)	67.7	1.7		U3/500	
UH (100°-180°)	58.4	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1
2.5°	132.9	132.4	132.9	132.4	132.4	131.4	130.0	128.1	126.0	125.6	124.1
5°	142.1	142.1	142.1	141.2	140.2	138.8	135.8	132.4	129.0	128.5	125.6
7.5°	154.7	155.2	154.3	152.3	150.3	146.5	143.1	138.2	133.9	133.4	129.0
10°	173.6	173.1	171.7	169.3	163.9	159.6	153.7	147.0	142.1	141.2	135.8
12.5°	199.8	199.4	196.8	190.1	182.9	174.6	168.8	162.5	157.7	157.2	152.3
15°	233.9	232.8	228.0	219.3	207.6	196.8	192.1	185.7	181.0	180.4	175.6
17.5°	275.6	274.6	267.6	255.1	239.2	227.0	221.7	214.3	209.0	209.6	202.2
20°	327.9	325.5	316.2	299.3	279.8	265.3	257.1	249.7	245.4	245.0	239.6
22.5°	395.3	391.9	375.5	355.1	330.8	311.0	300.3	292.5	289.5	290.1	285.1
25°	481.7	475.4	454.5	426.3	396.3	365.7	353.1	344.3	345.8	346.8	342.0
27.5°	584.0	581.0	549.0	515.1	470.5	431.2	419.5	410.9	413.8	416.2	412.2
30°	711.1	701.3	664.0	613.1	555.4	507.4	492.3	489.4	497.1	500.5	498.1
32.5°	857.0	848.8	797.9	733.3	649.4	592.7	575.2	583.0	595.6	599.5	596.5
35°	1030.2	1022.8	954.6	866.3	759.6	698.9	675.7	688.8	704.7	708.1	703.7
37.5°	1209.2	1205.3	1130.7	1014.7	884.2	805.7	785.8	804.7	821.6	824.6	810.0
40°	1362.5	1365.8	1291.1	1162.6	1012.3	919.1	907.5	924.5	929.4	930.8	903.1
42.5°	1487.1	1489.1	1424.0	1294.0	1132.6	1037.5	1031.2	1039.9	1041.4	1041.4	1009.3
45°	1520.2	1530.7	1493.5	1394.4	1246.9	1152.4	1152.4	1172.4	1182.0	1184.9	1143.7
47.5°	1535.1	1542.8	1521.6	1450.3	1339.2	1263.5	1288.7	1334.8	1344.6	1349.9	1297.0
50°	1521.6	1532.3	1528.3	1482.3	1402.3	1365.4	1439.1	1519.6	1537.6	1542.8	1478.4
52.5°	1414.8	1436.2	1468.2	1476.4	1440.6	1450.3	1591.4	1727.2	1743.2	1746.2	1650.6
55°	1260.7	1285.9	1340.2	1397.9	1432.3	1506.4	1739.3	1928.0	1924.2	1926.0	1816.4
57.5°	1066.6	1091.3	1164.6	1255.7	1355.7	1519.1	1828.1	2091.0	2117.7	2123.0	2019.2
60°	888.1	898.3	976.9	1080.1	1212.6	1455.2	1828.1	2226.8	2313.6	2303.4	2162.8
62.5°	682.5	703.3	785.2	897.8	1041.9	1298.4	1761.7	2270.0	2383.5	2369.4	2237.5
65°	522.4	539.4	611.7	717.9	861.4	1102.0	1604.0	2179.2	2400.4	2397.0	2309.3
67.5°	407.4	409.8	471.9	562.6	681.4	889.1	1346.0	2003.2	2318.5	2317.9	2265.6
70°	308.0	310.4	360.9	444.8	526.3	680.0	1074.9	1716.6	2100.7	2094.4	2118.6
72.5°	235.2	238.1	277.9	344.8	404.5	507.8	819.2	1380.4	1773.9	1783.0	1818.8
75°	181.9	184.7	215.8	267.6	310.0	372.5	591.7	1039.4	1422.1	1437.2	1512.3
77.5°	140.2	143.1	167.8	207.1	238.1	273.0	412.2	762.5	1100.0	1119.5	1203.4
80°	107.7	110.6	132.4	160.5	185.7	207.1	290.5	546.2	827.9	849.8	947.3
82.5°	83.5	86.4	104.8	127.7	148.9	163.5	211.5	389.0	617.5	635.4	736.7
85°	64.5	66.9	82.5	100.4	120.7	133.9	162.0	275.6	443.4	458.4	538.4
87.5°	49.9	51.9	64.5	79.1	98.0	111.1	129.0	200.3	304.1	315.8	369.1
90°	37.8	39.8	49.9	61.0	77.6	91.7	103.4	144.0	209.0	215.8	243.0
92.5°	27.7	29.1	37.3	45.6	59.2	72.7	82.5	106.7	142.1	145.6	157.2
95°	20.9	21.9	27.7	34.0	44.6	56.3	64.0	78.5	95.6	97.5	101.4
97.5°	16.5	16.9	21.3	26.2	34.4	43.7	49.5	57.7	67.4	68.4	70.4
100°	14.1	14.5	17.9	21.9	27.7	35.0	39.4	44.6	49.9	50.5	51.9
102.5°	12.1	12.6	15.1	17.9	23.3	29.1	32.0	35.4	38.4	37.8	39.4
105°	10.7	10.7	13.1	15.6	19.8	24.2	26.2	28.1	29.1	29.1	30.0
107.5°	9.2	9.8	11.2	13.5	17.5	20.9	21.9	22.3	22.3	22.3	23.3
110°	8.2	8.2	9.8	11.7	15.1	17.9	18.5	17.9	17.5	17.5	18.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.3	7.3	8.2	10.7	13.5	16.0	16.0	15.1	13.5	13.5	14.5
115°	6.3	6.8	7.3	9.8	12.6	14.5	14.1	12.6	11.2	11.2	12.1
117.5°	5.8	5.8	6.8	8.7	11.7	13.1	12.6	10.7	9.2	9.2	10.2
120°	5.8	5.8	6.3	8.2	10.7	12.1	11.2	9.2	7.7	7.7	9.2
122.5°	5.8	5.8	6.3	7.7	9.8	10.7	10.2	8.2	6.8	6.8	7.7
125°	6.3	6.3	6.3	7.7	9.2	10.2	9.2	7.7	6.3	6.3	6.8
127.5°	6.8	6.8	6.8	7.7	8.7	9.2	8.2	6.8	5.8	5.8	6.3
130°	7.3	7.3	6.8	7.3	8.2	8.2	7.7	6.3	5.4	5.4	6.3
132.5°	7.3	7.3	6.8	6.8	7.3	7.3	6.8	5.4	4.8	4.8	5.8
135°	6.8	6.8	6.3	6.3	6.3	6.3	5.4	4.4	4.4	4.4	4.8
137.5°	6.3	6.3	5.8	5.8	5.8	5.4	4.4	3.4	3.4	3.4	4.4
140°	5.4	5.4	5.4	4.8	4.8	4.4	3.4	2.9	2.9	2.9	3.4
142.5°	4.8	4.4	4.4	4.0	4.0	3.4	2.4	1.9	1.9	1.9	2.4
145°	4.0	4.0	3.4	2.9	2.9	2.4	1.4	1.0	1.4	1.4	1.9
147.5°	2.9	2.9	2.4	2.4	1.9	1.4	0.4	1.0	1.0	1.0	1.4
150°	1.9	1.9	1.9	1.4	1.0	0.4	0.4	0.4	0.4	1.0	1.0
152.5°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.4	0.4	0.4	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
157.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1	124.1
2.5°	123.3	122.7	121.8	119.8	119.3	118.3	116.9	116.4	115.5	116.0	115.5
5°	124.1	123.3	119.8	117.9	115.5	113.9	112.5	111.6	110.6	110.2	109.6
7.5°	126.6	125.1	121.3	117.4	113.9	111.6	109.6	108.1	107.2	106.7	106.2
10°	132.9	131.0	125.1	119.8	114.5	111.1	108.6	107.2	106.2	106.2	106.2
12.5°	148.4	146.0	137.2	128.1	119.3	113.9	111.1	113.0	115.5	117.9	119.3
15°	170.8	167.8	157.2	144.0	131.0	123.3	123.7	127.7	130.4	133.4	133.9
17.5°	198.9	195.0	181.4	163.9	146.5	140.2	138.2	142.1	147.0	149.9	151.4
20°	233.9	228.9	211.5	187.3	169.8	160.5	156.1	157.7	163.1	167.8	168.3
22.5°	278.4	269.7	249.3	215.8	194.1	180.0	173.6	173.6	181.0	187.3	188.2
25°	335.2	326.9	294.5	252.2	220.1	198.9	191.6	193.1	202.7	211.0	212.0
27.5°	405.1	393.4	350.7	295.4	247.4	215.3	207.6	211.5	221.1	229.9	230.9
30°	488.4	470.1	415.6	342.0	274.0	231.8	219.7	224.5	233.3	242.5	242.5
32.5°	583.0	561.1	488.9	391.4	299.3	243.5	226.5	232.8	241.6	250.7	250.3
35°	685.4	660.2	565.1	441.4	322.1	251.8	229.9	237.2	247.4	258.5	258.5
37.5°	789.2	763.4	641.7	485.9	338.0	252.7	230.9	241.6	255.1	265.3	264.3
40°	874.5	839.5	703.7	518.0	344.8	250.3	232.2	243.9	254.1	258.5	257.6
42.5°	976.9	932.2	765.4	534.5	340.5	246.0	232.8	241.0	246.0	246.0	243.9
45°	1100.6	1049.7	842.1	552.0	329.3	241.0	230.4	235.2	235.2	231.4	228.5
47.5°	1250.5	1181.5	923.0	567.5	318.2	236.6	228.0	229.9	224.5	218.7	216.8
50°	1425.1	1341.6	1012.3	578.6	307.6	233.3	227.0	226.0	222.2	216.4	214.3
52.5°	1586.1	1492.5	1104.9	587.4	296.3	231.8	227.0	227.0	223.1	214.9	212.9
55°	1744.7	1644.8	1179.1	582.6	284.2	232.2	228.9	229.9	224.5	216.4	214.3
57.5°	1944.5	1836.8	1267.4	573.8	271.6	233.3	230.9	231.8	227.0	219.3	217.3
60°	2083.2	1963.9	1330.4	560.2	259.9	233.3	231.8	233.3	231.8	228.0	226.5
62.5°	2165.7	2032.8	1337.3	529.2	251.3	231.4	230.9	235.8	239.2	237.6	236.2
65°	2227.8	2089.0	1322.2	488.9	241.0	226.0	228.5	236.2	242.0	242.5	242.0
67.5°	2179.7	2036.7	1249.5	441.9	228.9	219.3	224.1	232.8	241.6	244.4	243.9
70°	2032.3	1891.6	1124.3	384.1	214.9	208.5	215.3	227.0	236.2	239.6	238.6
72.5°	1729.1	1603.5	952.0	328.9	198.5	194.5	201.8	215.3	223.1	225.1	223.7
75°	1431.3	1320.7	764.4	271.2	180.4	177.0	183.8	194.5	199.8	199.8	197.4
77.5°	1144.2	1041.4	601.9	225.1	162.0	158.1	164.4	170.8	171.7	168.3	165.8
80°	898.7	801.8	455.9	186.3	143.1	139.2	141.2	145.0	146.5	140.2	136.8
82.5°	697.0	610.2	342.4	154.3	124.7	119.8	121.3	123.3	123.7	116.0	112.0
85°	502.5	437.0	251.3	130.0	107.2	102.8	102.3	102.8	103.4	96.4	93.1
87.5°	344.8	299.3	183.8	109.2	92.7	88.3	87.3	86.9	86.9	79.5	76.2
90°	227.0	200.8	136.8	92.1	78.5	74.2	72.2	71.8	70.8	63.1	60.1
92.5°	147.5	134.8	101.4	75.7	65.0	61.0	58.7	57.3	55.8	48.5	45.6
95°	96.4	91.2	76.6	60.6	52.3	48.9	47.1	45.2	43.1	36.8	35.0
97.5°	68.4	66.4	59.6	48.9	41.7	39.4	37.8	36.4	35.0	29.6	28.6
100°	51.5	51.0	48.0	40.2	34.0	32.4	31.0	30.0	29.1	25.2	24.2
102.5°	39.8	40.2	39.4	33.0	28.6	27.2	26.2	25.2	24.7	21.9	21.3
105°	31.0	32.0	31.5	27.7	24.2	23.3	22.3	21.3	20.9	18.9	18.9
107.5°	24.2	25.2	25.6	22.8	20.9	19.8	18.9	17.9	17.9	16.9	16.9
110°	19.4	20.3	21.3	19.4	17.9	17.5	16.5	15.6	15.1	15.1	15.1



REPORT NUMBER: P254465

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.0	16.5	17.5	16.5	15.6	15.1	14.1	13.1	13.1	13.1	13.5
115°	13.1	14.1	14.5	14.1	13.5	13.5	12.1	11.2	10.7	11.7	11.7
117.5°	11.2	12.1	12.6	12.1	12.1	12.1	10.7	9.8	9.2	9.8	10.2
120°	9.8	10.2	10.7	10.7	10.7	10.7	9.8	8.2	7.7	8.7	8.7
122.5°	8.2	8.7	9.2	9.8	9.8	9.2	8.2	7.3	6.8	7.7	7.7
125°	7.3	7.7	8.2	8.7	8.7	8.2	7.3	6.3	5.8	6.8	6.8
127.5°	6.8	7.3	7.7	7.7	7.7	7.3	6.3	5.4	5.4	5.8	6.3
130°	6.8	6.8	7.3	7.3	6.8	6.3	5.4	4.4	4.4	5.4	5.4
132.5°	6.3	6.3	6.3	6.3	5.8	5.4	4.4	4.0	4.0	4.8	4.8
135°	5.4	5.4	5.4	5.4	4.8	4.4	4.0	2.9	3.4	4.0	4.0
137.5°	4.4	4.4	4.4	4.4	4.0	3.4	2.9	2.4	2.4	2.9	3.4
140°	3.4	4.0	4.0	3.4	2.9	2.9	1.9	1.4	1.9	2.4	2.4
142.5°	2.9	2.9	2.9	2.4	2.4	1.9	1.4	1.0	1.4	1.9	1.9
145°	2.4	2.4	2.4	2.4	1.9	1.0	0.4	0.4	1.0	1.0	1.0
147.5°	1.9	1.9	1.9	1.9	1.4	1.0	0.0	0.0	0.4	0.4	0.4
150°	1.4	1.4	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.4	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)