

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: P254357

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)
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-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4013.1 lumens
Efficiency: N/A
Efficacy: 100.3 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: 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

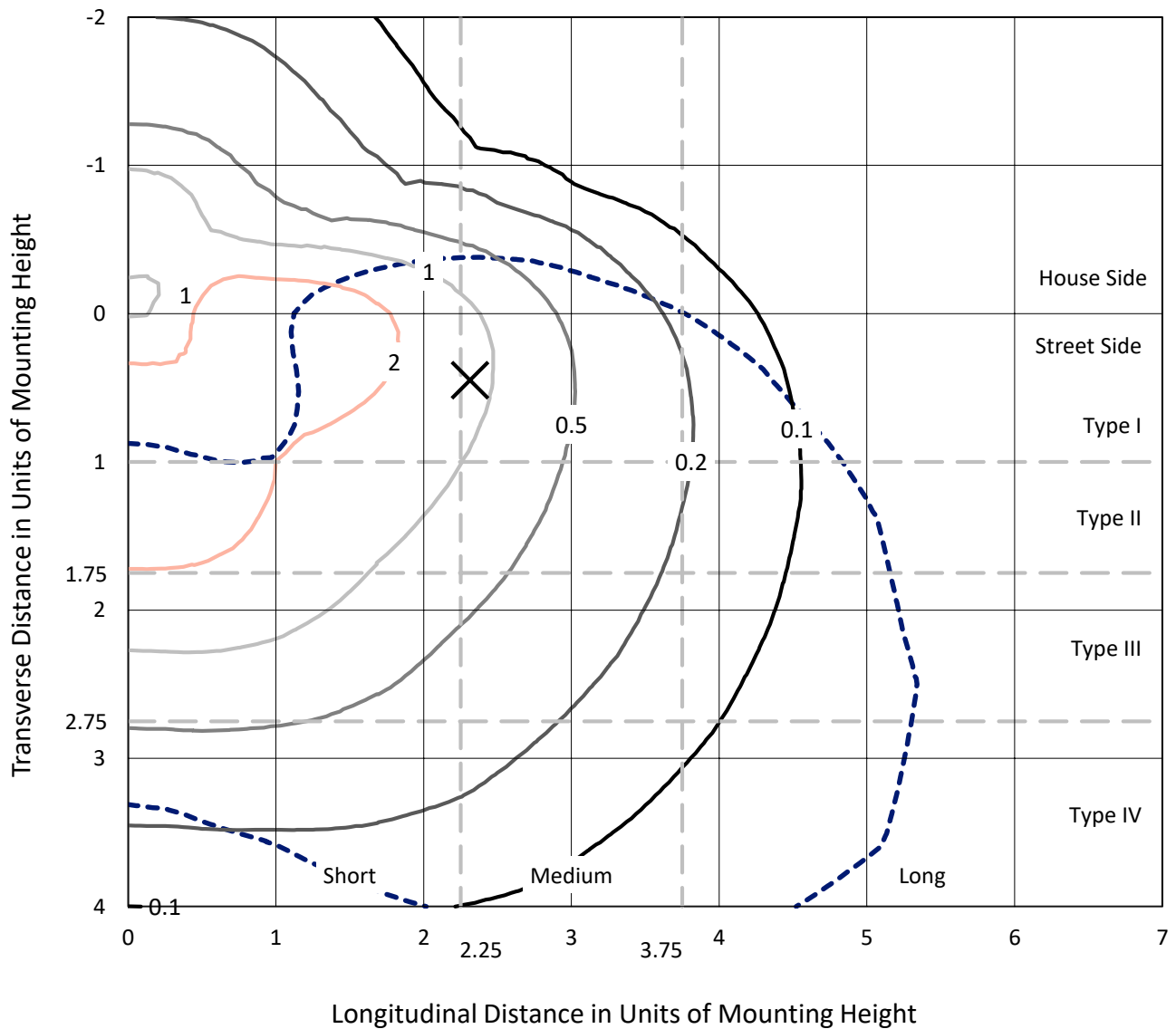


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

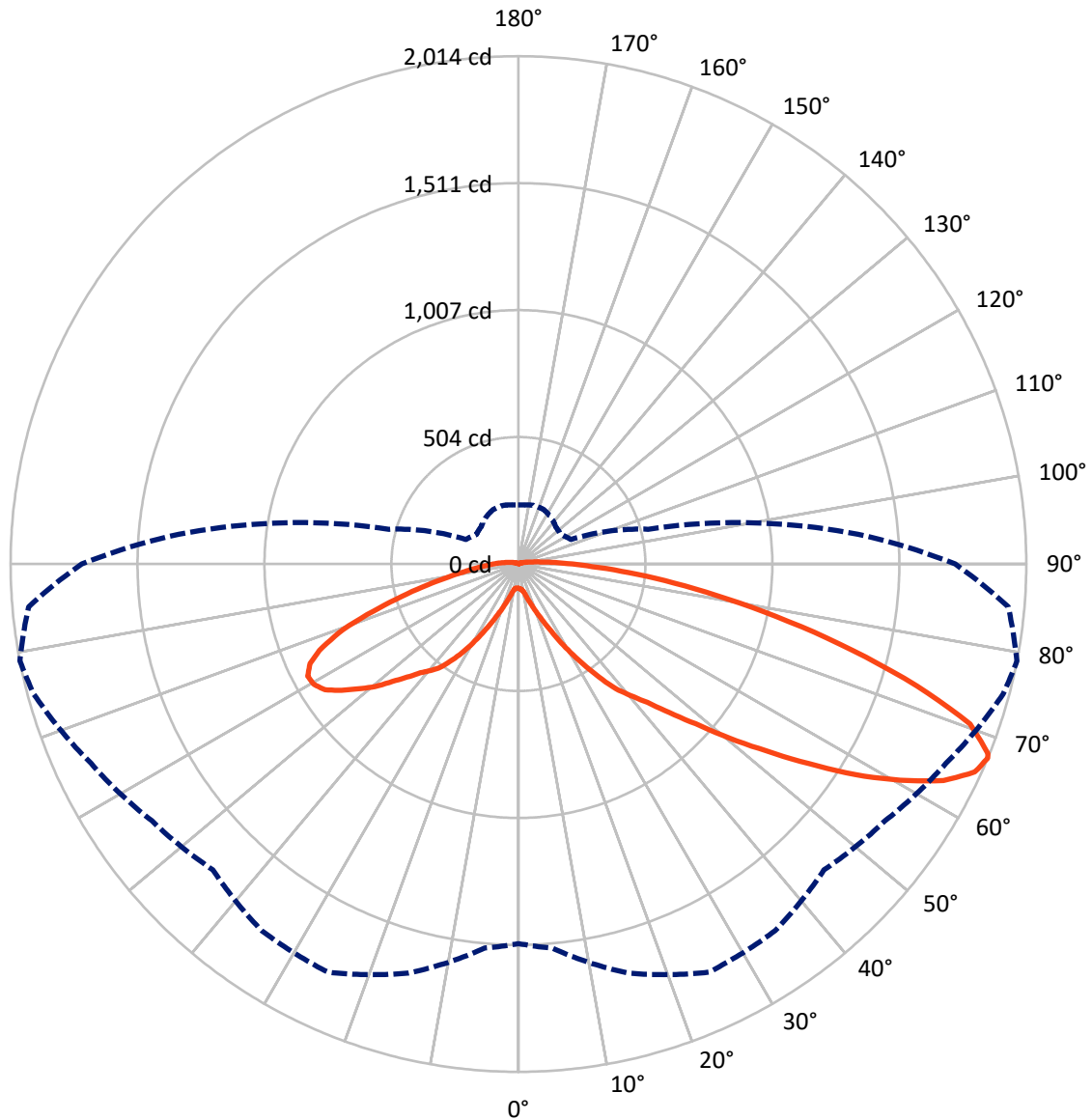


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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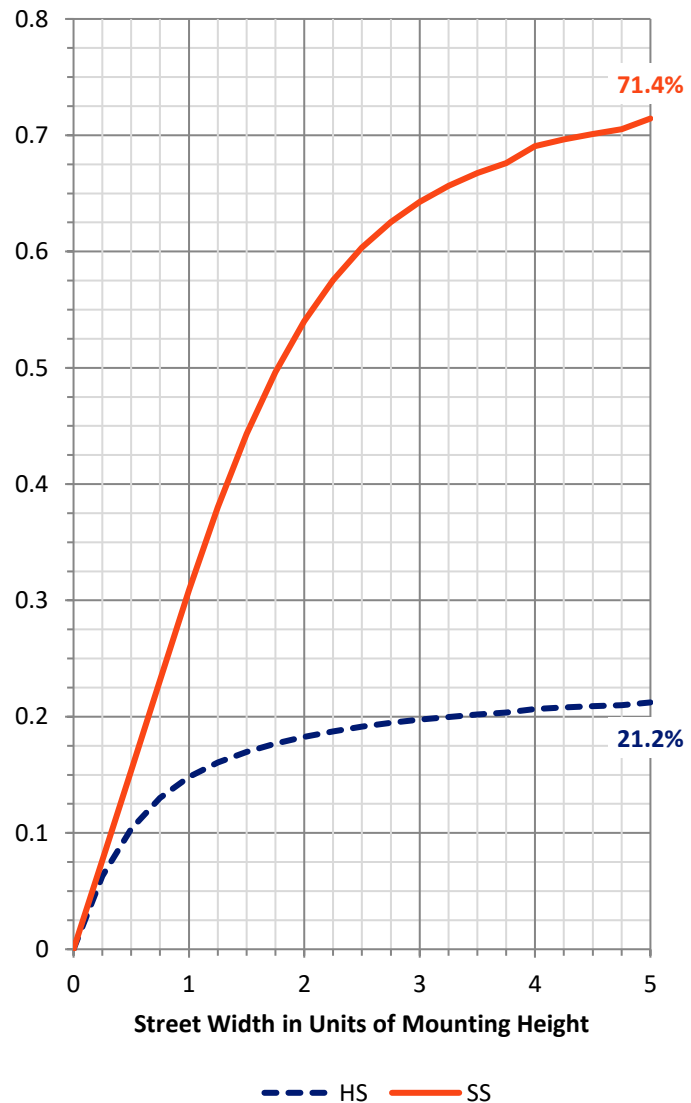
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.0	60.4	955.3
	% Fixture	22.3	1.5	23.8
Street Side	Lumens	2974.0	83.7	3057.7
	% Fixture	74.1	2.1	76.2
Total	Lumens	3869.0	144.1	4013.1
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.2
10°-20°	41.2	1.0
20°-30°	118.9	3.0
30°-40°	269.8	6.7
40°-50°	468.7	11.7
50°-60°	751.0	18.7
60°-70°	1046.4	26.1
70°-80°	826.6	20.6
80°-90°	336.7	8.4
90°-100°	96.0	2.4
100°-110°	28.6	0.7
110°-120°	11.1	0.3
120°-130°	5.3	0.1
130°-140°	2.4	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3869.0	96.4
0°-180°	4013.1	100.0



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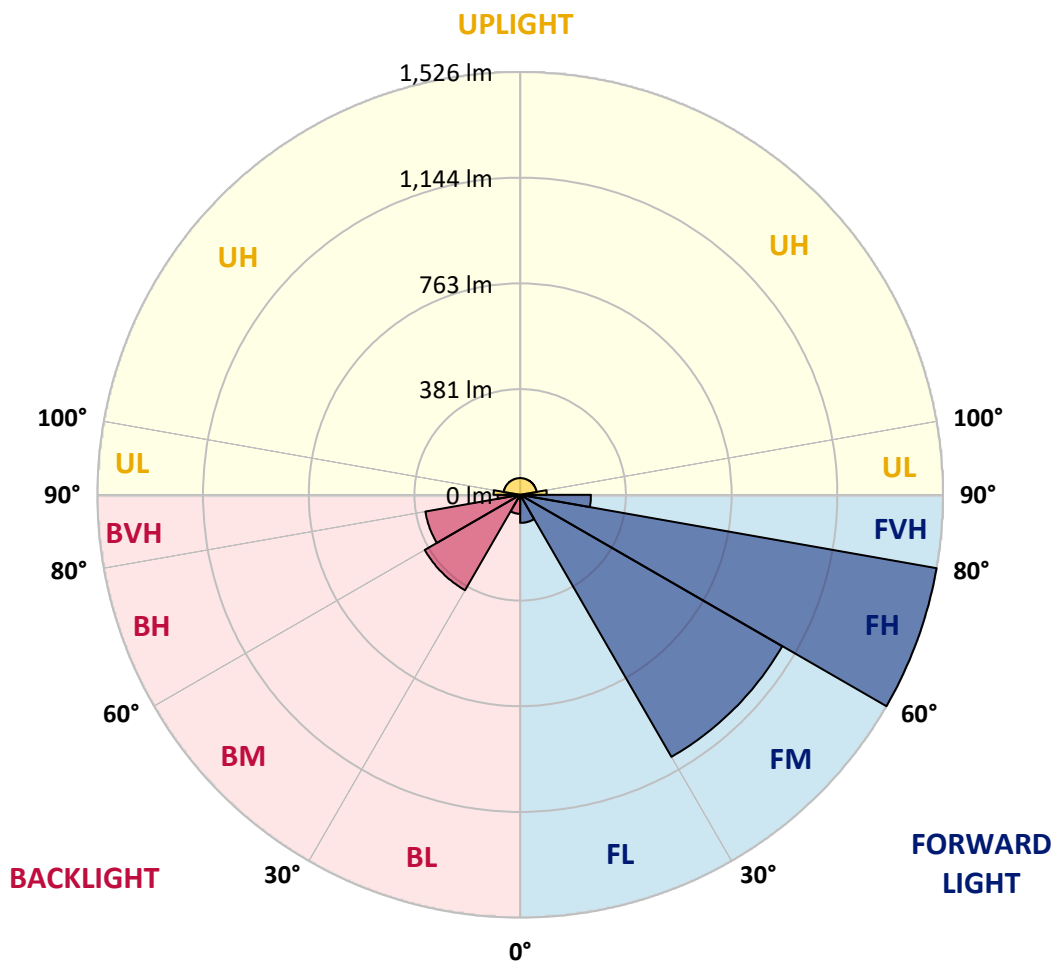
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.3	2.5			
FM (30°-60°)	1091.8	27.2			
FH (60°-80°)	1525.5	38.0			G1/1800
FVH (80°-90°)	255.4	6.4			G3/500
BL (0°-30°)	68.6	1.7	B0/110		
BM (30°-60°)	397.6	9.9	B1/1000		
BH (60°-80°)	347.5	8.7	B1/500		G1/500
BVH (80°-90°)	81.3	2.0			G1/100
UL (90°-100°)	96.0	2.4		U3/500	
UH (100°-180°)	60.4	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
2.5°	102.8	102.8	103.4	103.4	103.4	102.3	100.8	99.4	98.5	98.0	97.0
5°	110.6	110.2	110.6	110.2	110.2	108.1	105.8	103.4	101.4	100.4	99.0
7.5°	121.8	121.8	121.3	120.3	119.3	116.0	112.1	109.2	106.2	104.4	102.8
10°	135.8	136.3	135.4	132.9	130.4	126.0	121.8	117.9	113.5	111.1	109.2
12.5°	157.7	157.7	155.7	150.3	144.5	139.2	134.4	130.4	128.6	126.0	124.2
15°	184.8	184.3	181.4	173.1	165.4	156.2	152.9	150.3	148.9	147.0	144.5
17.5°	216.9	216.4	211.0	199.8	187.7	181.0	175.6	173.1	174.2	172.2	170.2
20°	255.1	254.1	246.0	230.4	218.3	209.1	203.2	200.8	203.8	202.2	200.8
22.5°	304.2	301.8	290.1	267.8	253.7	238.6	233.4	232.4	239.2	239.2	239.2
25°	362.4	359.9	342.4	316.8	292.0	273.5	268.2	273.5	284.7	286.2	289.1
27.5°	429.8	426.8	405.6	369.7	336.6	311.9	307.6	318.2	335.7	342.4	345.4
30°	509.3	507.4	476.8	431.2	384.7	353.7	348.7	368.2	395.3	406.0	413.3
32.5°	603.4	601.0	556.9	503.0	438.0	399.3	395.3	424.9	465.7	475.9	490.5
35°	719.9	717.4	659.3	584.0	497.6	447.8	447.8	486.1	536.0	550.1	568.0
37.5°	836.8	836.3	777.6	677.2	563.7	501.1	502.0	546.2	606.4	628.2	644.6
40°	950.8	951.7	884.8	769.8	637.4	559.7	559.3	603.9	666.5	685.4	701.5
42.5°	1054.6	1054.2	991.0	868.3	714.0	623.4	614.6	658.3	724.7	750.4	771.8
45°	1126.9	1132.2	1083.7	957.1	791.1	689.3	671.4	719.9	804.8	840.2	868.8
47.5°	1216.6	1217.0	1172.5	1040.4	870.2	757.7	741.3	802.3	910.0	946.8	977.0
50°	1315.6	1320.4	1285.0	1145.2	959.6	834.8	828.5	905.6	1033.7	1085.6	1122.9
52.5°	1399.9	1405.7	1384.0	1265.1	1067.1	933.8	933.8	1031.7	1169.1	1231.2	1267.5
55°	1462.0	1471.7	1477.0	1380.1	1189.0	1049.8	1060.4	1170.5	1322.8	1397.1	1441.2
57.5°	1511.5	1525.1	1550.4	1482.4	1308.8	1189.0	1204.5	1322.4	1507.7	1577.0	1623.6
60°	1584.8	1600.3	1645.9	1592.0	1446.5	1338.9	1359.7	1488.2	1677.4	1740.0	1775.5
62.5°	1592.0	1610.9	1703.2	1710.9	1575.5	1485.4	1531.4	1657.6	1838.0	1892.4	1900.1
65°	1558.6	1583.2	1705.5	1776.3	1712.8	1622.6	1687.6	1803.6	1953.0	1988.8	1969.0
67°	1505.3	1529.0	1679.4	1786.1	1774.9	1714.3	1774.9	1870.5	1990.2	2014.0	1950.1
67.5°	1482.4	1505.3	1664.8	1784.1	1782.7	1730.3	1789.0	1885.0	1992.3	2008.3	1936.0
70°	1336.5	1367.9	1538.7	1722.0	1779.3	1744.9	1813.7	1880.3	1906.3	1900.6	1796.8
72.5°	1079.8	1109.4	1295.7	1552.2	1683.2	1665.7	1727.0	1739.1	1693.0	1653.2	1511.5
75°	792.1	805.2	977.0	1252.9	1467.9	1487.8	1533.9	1506.6	1422.2	1369.3	1225.4
77.5°	550.1	563.2	695.1	948.8	1183.6	1257.8	1303.5	1263.7	1174.9	1093.9	936.7
80°	364.3	371.1	474.4	691.3	928.4	1031.7	1071.1	1030.4	917.8	838.2	689.3
82.5°	222.2	235.2	310.0	484.6	718.0	845.0	873.6	826.5	704.8	622.3	496.7
85°	133.4	140.2	198.5	327.4	528.3	670.5	697.5	636.4	513.2	439.0	332.8
87.5°	82.5	85.3	124.7	212.0	370.6	500.6	529.7	457.5	346.4	292.5	222.7
90°	53.3	55.8	82.0	139.8	245.0	356.5	369.7	311.4	230.4	195.0	150.9
92.5°	35.9	37.8	55.8	92.7	161.0	233.9	243.5	205.6	152.3	130.0	102.8
95°	25.2	26.7	39.4	63.1	104.8	144.1	154.3	133.4	99.4	85.9	70.8
97.5°	19.4	20.3	29.6	45.6	70.8	93.1	97.0	86.9	67.4	59.2	51.5
100°	15.6	16.5	23.3	34.4	51.0	63.6	66.0	59.6	47.5	42.7	37.8
102.5°	13.5	13.5	18.9	27.2	38.4	47.1	47.5	42.7	35.0	31.5	29.1
105°	11.7	11.7	15.6	21.9	30.6	36.4	36.4	31.5	25.6	23.3	22.3
107.5°	9.8	10.2	13.1	17.5	24.2	29.1	28.2	23.3	18.5	16.9	16.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	8.2	8.7	11.2	14.5	19.8	23.8	22.3	17.9	13.5	12.6	12.6
112.5°	7.3	7.7	9.2	12.6	16.9	19.8	17.9	13.5	10.2	9.8	10.2
115°	6.8	6.8	8.2	11.2	14.5	16.5	15.1	11.2	8.2	7.7	8.2
117.5°	5.8	6.3	7.3	9.8	13.1	14.1	12.6	8.7	6.3	6.3	7.3
120°	5.8	5.8	6.8	8.7	11.7	12.6	10.7	7.3	5.4	5.4	6.3
122.5°	5.4	5.4	6.3	8.2	10.2	11.2	9.2	6.3	4.8	4.8	5.4
125°	5.4	5.4	6.3	7.7	9.2	9.2	7.7	5.4	4.4	4.4	4.8
127.5°	5.8	5.8	6.3	7.3	8.2	8.2	6.8	4.8	4.0	4.0	4.4
130°	5.8	5.8	5.8	6.8	7.3	6.8	5.8	4.4	4.0	4.0	4.4
132.5°	5.8	5.8	5.8	5.8	6.3	5.8	4.8	3.4	3.4	3.4	4.0
135°	5.4	5.4	4.8	5.4	5.4	4.4	3.4	2.4	2.9	2.9	3.4
137.5°	4.4	4.4	4.4	4.4	4.0	3.4	2.4	1.9	2.4	2.9	2.9
140°	4.0	4.0	3.4	3.4	2.9	2.4	1.4	1.9	2.4	2.4	2.4
142.5°	2.9	2.9	2.9	2.4	1.9	1.4	1.0	1.4	1.9	1.9	2.4
145°	1.9	1.9	1.9	1.4	1.0	0.4	1.0	1.0	1.4	1.9	1.9
147.5°	1.0	1.0	1.0	0.4	0.4	0.4	0.4	1.0	1.4	1.4	1.4
150°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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°	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
2.5°	96.5	96.0	94.6	93.6	92.7	92.3	91.7	91.7	91.2	90.6	90.6
5°	98.0	97.0	94.6	92.7	91.2	90.2	89.3	88.7	87.9	87.3	87.3
7.5°	100.8	99.4	96.5	93.1	90.6	89.3	88.3	87.3	86.4	86.4	86.4
10°	106.7	104.8	100.4	96.0	92.3	90.2	89.3	88.3	88.3	87.9	87.9
12.5°	121.3	118.3	111.1	103.4	96.5	93.6	92.7	95.0	98.0	98.5	100.0
15°	141.2	138.2	129.0	117.9	106.7	100.4	103.8	108.1	113.0	116.9	116.9
17.5°	165.8	162.5	149.9	134.4	120.8	116.9	117.9	124.2	131.0	134.4	134.8
20°	196.4	191.6	174.2	152.9	137.7	131.9	133.4	139.8	149.3	154.3	155.2
22.5°	234.8	227.5	204.2	174.2	155.7	147.9	149.3	157.2	170.2	177.1	179.5
25°	283.3	274.0	238.6	199.8	173.6	162.0	166.4	178.5	195.0	205.2	204.8
27.5°	339.0	324.5	280.4	226.5	191.6	175.6	182.4	199.4	219.3	230.9	232.4
30°	406.0	387.1	326.0	254.7	207.1	187.7	196.4	217.8	240.2	255.6	257.1
32.5°	480.2	457.9	372.6	282.8	219.7	197.0	206.6	233.4	259.1	277.5	277.9
35°	556.3	527.7	416.8	307.0	230.4	204.2	214.3	245.0	275.0	296.4	297.8
37.5°	629.2	595.7	457.5	323.1	237.2	208.1	218.7	254.7	288.7	311.4	312.9
40°	684.0	642.8	482.7	328.5	238.6	210.0	222.7	258.5	288.7	306.0	307.0
42.5°	752.9	698.5	501.1	323.1	234.8	210.0	224.1	253.7	277.0	288.7	288.7
45°	845.0	778.0	529.3	316.8	227.0	208.5	220.2	243.0	258.5	264.4	264.4
47.5°	955.2	867.8	557.9	312.4	221.2	205.2	214.3	229.9	238.1	238.6	237.6
50°	1094.3	981.3	593.3	306.0	217.8	201.8	209.1	219.3	224.1	222.2	221.2
52.5°	1227.3	1082.2	618.5	298.3	215.9	200.4	206.2	214.9	216.4	210.6	209.1
55°	1385.9	1200.5	636.0	285.7	213.9	201.4	206.2	213.4	212.5	204.8	203.2
57.5°	1544.1	1311.6	651.5	274.6	212.0	202.7	208.1	214.3	212.5	205.2	203.8
60°	1665.3	1387.8	642.8	262.9	210.0	205.2	211.5	217.8	217.8	212.0	211.5
62.5°	1760.3	1433.5	621.9	250.7	208.5	207.1	215.9	225.1	227.0	222.7	222.2
65°	1781.7	1415.0	581.6	239.2	206.6	208.5	221.7	233.4	234.8	230.4	229.9
67°	1731.8	1352.0	532.1	229.5	203.8	209.1	225.5	238.1	240.2	235.8	234.3
67.5°	1709.9	1327.2	519.5	227.0	202.7	209.1	226.0	238.6	241.1	236.8	235.2
70°	1542.5	1180.2	452.2	213.4	196.4	206.6	227.0	242.0	243.5	238.1	236.2
72.5°	1278.3	951.7	374.0	200.4	188.7	200.4	223.7	239.6	239.2	231.4	229.9
75°	1013.4	746.0	301.2	185.3	178.0	190.6	214.3	228.5	225.5	216.4	214.3
77.5°	769.8	557.9	245.0	170.2	165.8	178.0	198.9	209.1	203.2	194.5	192.7
80°	548.6	401.6	199.4	156.2	152.9	163.5	179.5	184.8	181.0	172.7	170.2
82.5°	383.7	288.7	165.8	142.1	140.2	148.5	158.7	164.0	162.0	154.7	152.9
85°	265.4	201.8	139.8	128.1	127.1	132.9	139.2	142.6	144.1	140.2	137.7
87.5°	178.5	148.5	118.9	112.5	113.0	117.4	121.8	125.1	129.5	129.0	126.6
90°	127.7	111.1	99.4	96.5	97.5	102.3	104.4	106.2	111.6	111.6	110.2
92.5°	91.2	84.4	80.6	79.5	81.5	85.3	86.4	86.9	90.6	91.2	88.3
95°	65.0	61.6	63.1	64.0	66.0	69.4	68.9	67.4	69.4	69.4	66.9
97.5°	48.1	47.1	49.9	51.0	52.3	55.2	53.9	51.5	52.9	51.0	49.5
100°	36.8	36.8	40.3	40.8	41.7	43.1	42.7	40.8	41.2	38.8	37.8
102.5°	29.1	29.6	32.0	32.4	33.5	35.0	34.0	33.0	32.0	29.1	29.1
105°	22.8	23.3	25.2	25.6	26.7	28.2	27.7	26.2	24.7	22.3	22.3
107.5°	17.5	18.5	19.8	20.3	21.3	22.8	22.3	20.3	18.5	16.9	16.9



REPORT NUMBER: P254357

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	14.5	16.1	16.5	16.9	18.5	17.5	15.6	14.1	13.1	13.1
112.5°	11.2	11.7	13.1	13.5	14.1	15.1	14.1	12.1	10.7	10.2	10.2
115°	9.2	9.8	10.7	11.2	12.1	12.1	11.2	9.2	8.2	8.2	8.2
117.5°	7.7	8.2	9.2	9.8	9.8	10.2	8.7	7.3	6.3	6.8	6.8
120°	6.8	6.8	7.7	7.7	8.2	8.2	7.3	5.8	4.8	5.4	5.8
122.5°	5.8	5.8	6.3	6.8	6.8	6.8	5.8	4.8	4.0	4.4	4.8
125°	4.8	5.4	5.4	5.8	5.8	5.8	4.8	4.0	3.4	4.0	4.0
127.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.0	2.9	2.9	3.4	3.4
130°	4.4	4.4	4.4	4.4	4.0	3.4	2.9	1.9	2.4	2.9	2.9
132.5°	4.0	4.0	4.0	3.4	2.9	2.4	1.9	1.4	1.4	2.4	2.4
135°	3.4	3.4	2.9	2.4	1.9	1.4	1.0	1.0	1.0	1.9	1.9
137.5°	2.9	2.9	2.4	1.9	1.4	1.0	0.4	0.0	0.4	1.0	1.0
140°	2.9	2.9	2.4	1.4	1.0	0.4	0.0	0.0	0.0	0.4	0.4
142.5°	2.4	2.4	1.9	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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

(END OF REPORT)