

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: P254635

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3337.9 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G1

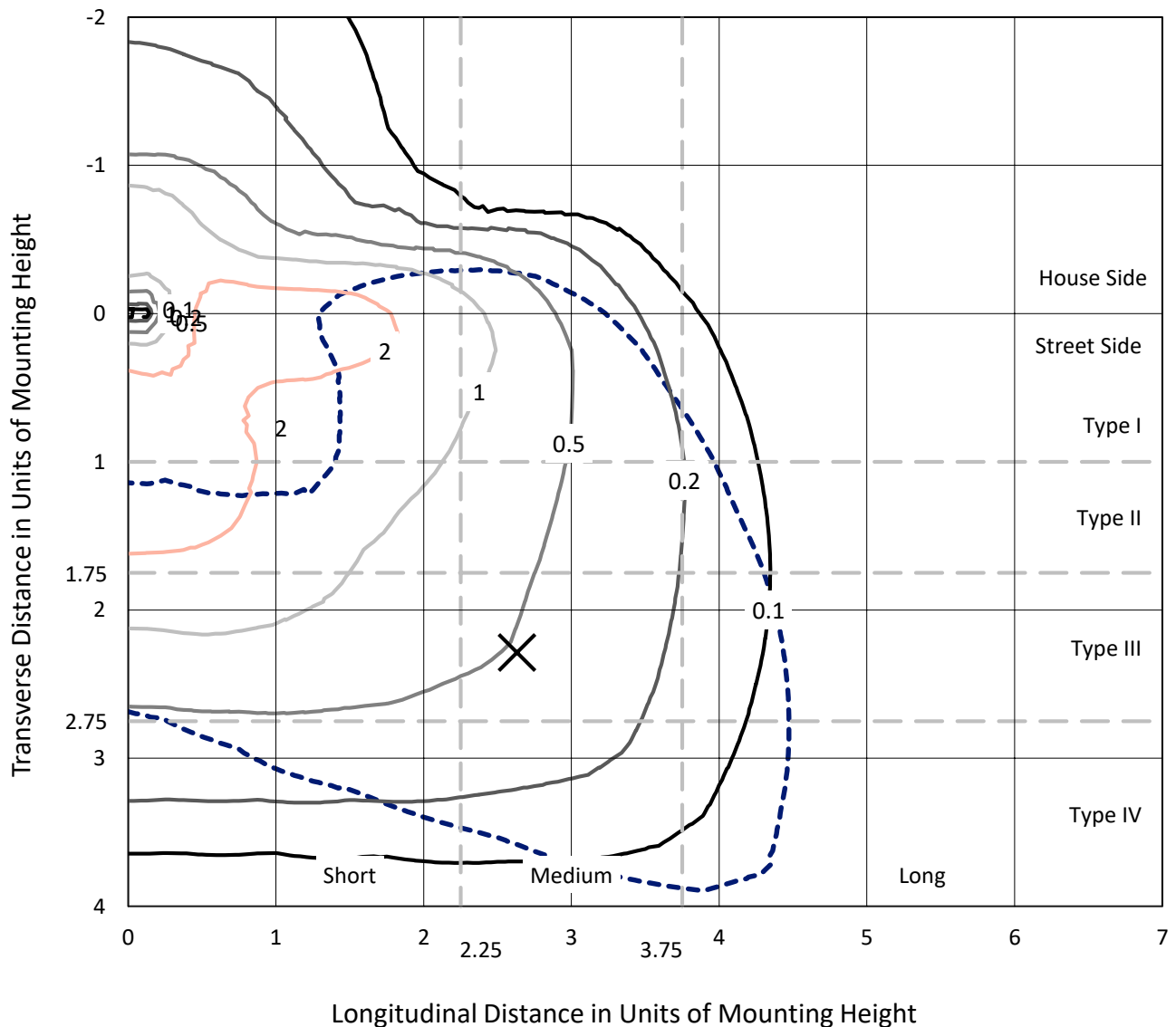
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

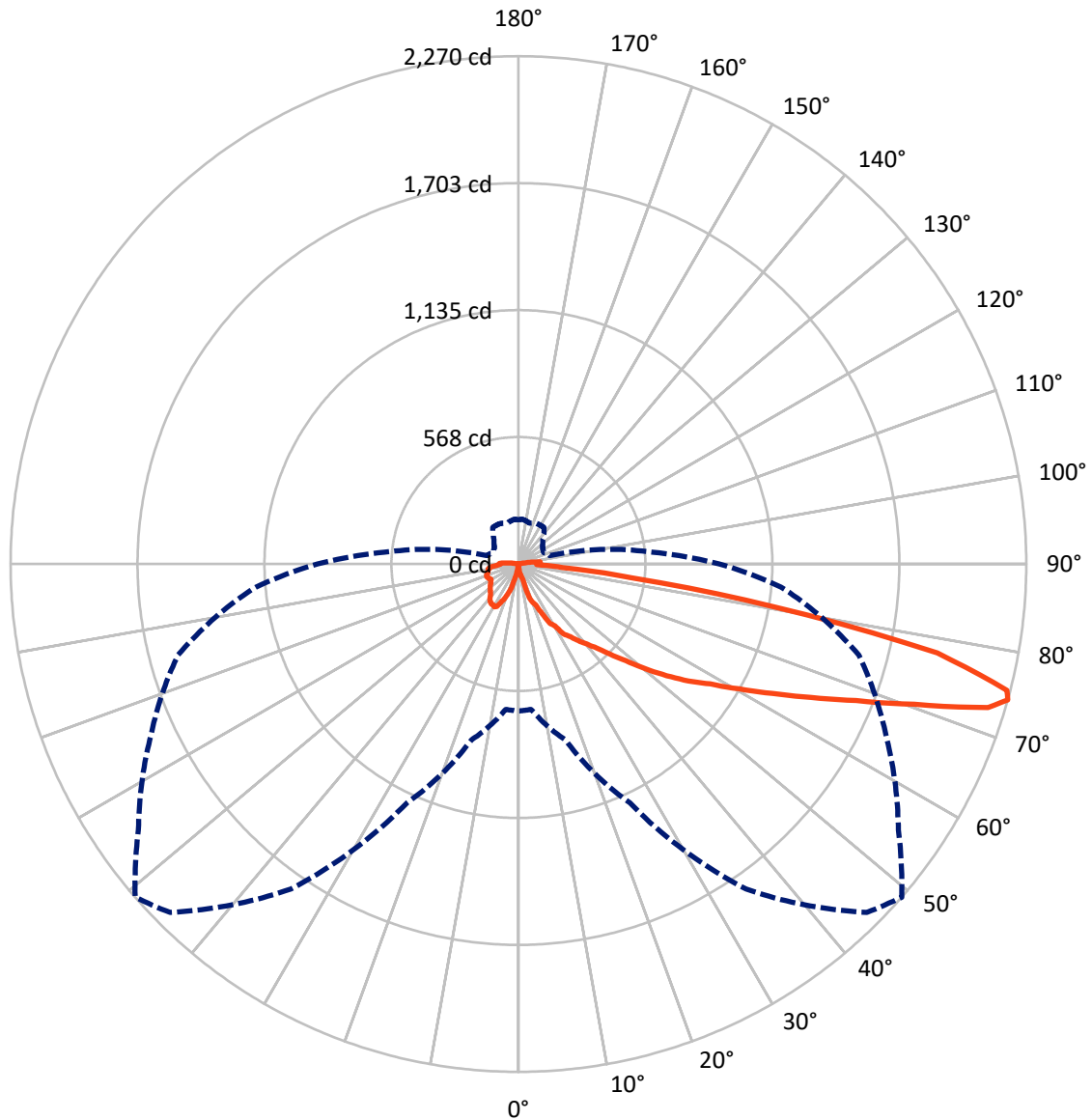
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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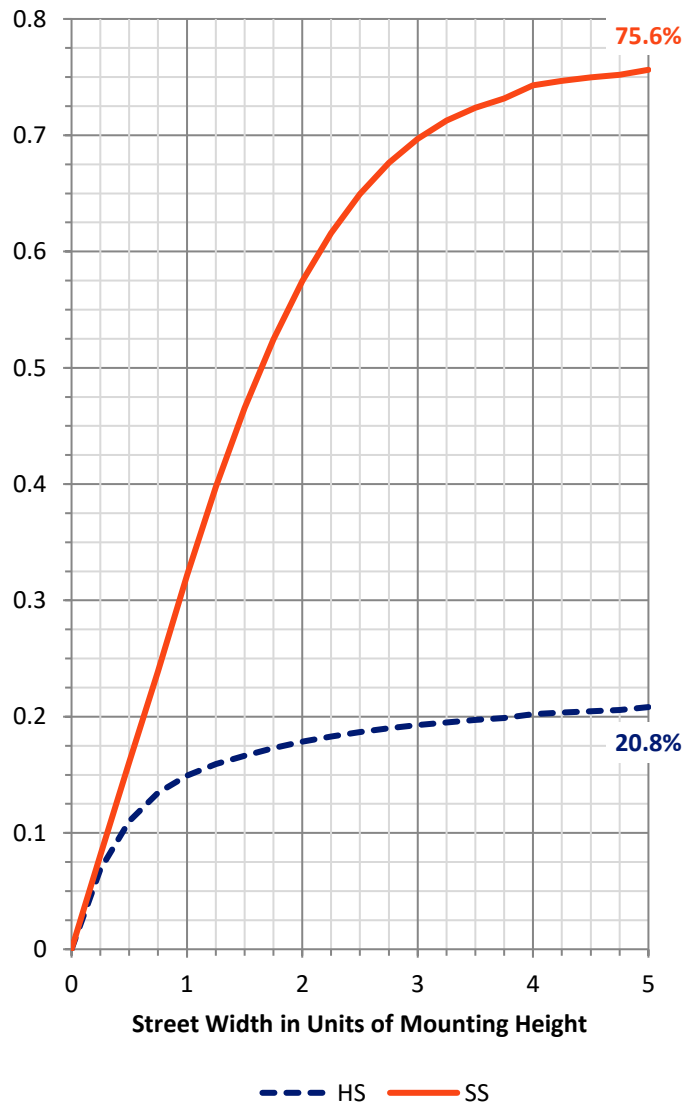
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	736.1	31.6	767.7
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	2543.6	26.5	2570.1
	% Fixture	76.2	0.8	77.0
Total	Lumens	3279.8	58.1	3337.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	30.0	0.9
20°-30°	113.9	3.4
30°-40°	242.1	7.3
40°-50°	398.0	11.9
50°-60°	641.8	19.2
60°-70°	927.4	27.8
70°-80°	761.4	22.8
80°-90°	163.3	4.9
90°-100°	52.6	1.6
100°-110°	4.2	0.1
110°-120°	0.6	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3279.8	98.3
0°-180°	3337.9	100.0

Coefficient of Utilization



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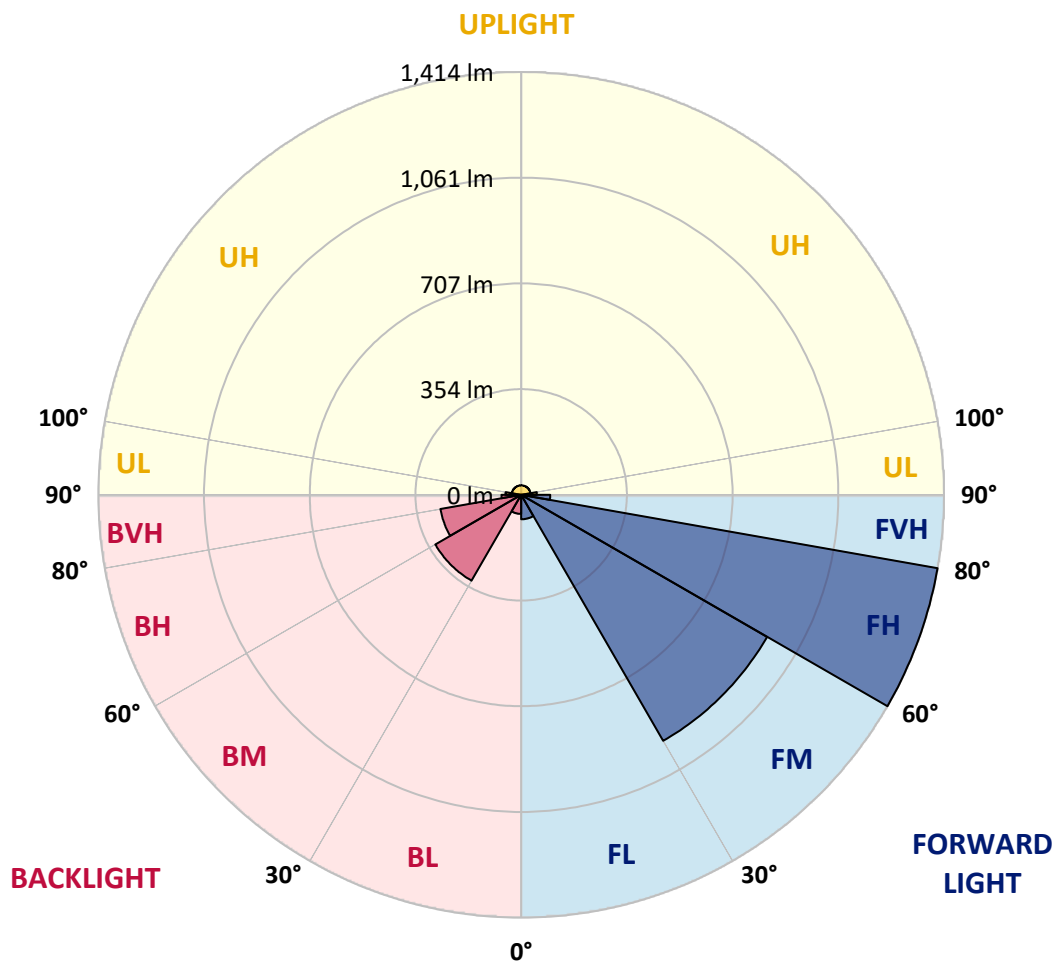
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.8	2.5			
FM (30°-60°)	950.2	28.5			
FH (60°-80°)	1414.5	42.4			G1/1800
FVH (80°-90°)	97.2	2.9			G1/100
BL (0°-30°)	64.0	1.9	B0/110		
BM (30°-60°)	331.7	9.9	B1/1000		
BH (60°-80°)	274.3	8.2	B1/500		G1/500
BVH (80°-90°)	66.1	2.0			G1/100
UL (90°-100°)	52.6	1.6		U3/500	
UH (100°-180°)	31.6	0.9		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	2.8	2.4	1.9	1.5	1.5	1.2	1.2	1.2	1.5	1.5	1.5
5°	44.4	44.0	40.0	38.1	15.4	9.5	8.3	5.1	1.9	1.5	1.5
7.5°	52.7	51.9	50.7	53.1	49.5	43.2	39.6	23.0	6.3	1.9	1.5
10°	69.8	68.9	63.0	61.4	55.9	51.1	48.3	45.1	19.0	4.0	2.8
12.5°	132.0	127.6	124.0	105.0	70.9	57.5	57.1	53.5	44.8	40.4	49.1
15°	148.9	145.0	139.0	137.9	125.9	76.1	69.8	96.3	114.1	85.5	87.6
17.5°	168.8	170.7	162.9	146.2	135.8	145.4	160.0	141.4	125.2	104.1	105.8
20°	237.7	236.1	229.8	210.7	172.4	187.4	182.2	179.0	146.2	192.5	187.0
22.5°	246.8	246.4	243.3	231.7	247.6	199.7	198.0	220.7	217.5	221.5	213.5
25°	323.7	326.8	316.5	248.4	260.6	255.1	246.0	268.2	243.3	245.2	273.3
27.5°	339.1	337.5	331.9	318.1	275.7	302.3	299.8	284.4	315.7	332.8	334.7
30°	426.7	415.5	359.0	345.9	332.8	316.5	320.9	338.7	352.6	347.8	367.2
32.5°	469.0	466.3	457.2	405.6	360.1	350.6	373.6	379.9	371.9	440.5	474.1
35°	610.5	597.8	524.9	449.6	401.3	396.2	398.5	398.1	452.3	464.6	511.1
37.5°	787.6	770.9	713.4	551.5	438.1	414.8	434.5	454.8	473.4	509.0	544.7
40°	891.3	882.6	836.7	681.8	511.1	451.2	470.7	480.5	505.0	534.4	594.2
42.5°	971.0	970.2	941.2	773.7	610.5	509.0	512.6	513.8	532.0	579.5	650.5
45°	1025.2	1024.4	1029.6	860.0	705.5	574.8	575.2	560.9	574.0	635.8	728.5
47.5°	1092.5	1080.6	1092.5	951.5	787.9	652.8	645.7	612.4	639.8	713.8	837.1
50°	1159.9	1148.8	1153.6	1023.3	869.5	747.9	735.2	690.9	728.5	812.1	971.3
52.5°	1247.8	1233.6	1212.2	1098.9	980.1	846.9	829.1	793.1	828.0	935.7	1140.9
55°	1312.4	1302.1	1295.0	1206.3	1058.1	934.9	922.6	881.8	976.1	1073.9	1322.0
57.5°	1362.7	1366.7	1388.5	1337.8	1204.6	1031.5	1011.7	994.7	1115.9	1237.6	1516.0
60°	1415.8	1408.3	1461.8	1460.2	1328.6	1128.6	1132.6	1130.2	1258.5	1393.7	1741.5
62.5°	1412.6	1418.6	1514.9	1546.9	1435.2	1258.1	1273.6	1269.3	1404.7	1549.0	1908.6
65°	1284.7	1302.1	1511.7	1585.0	1567.2	1411.5	1437.2	1433.7	1573.9	1681.2	2014.4
67.5°	1200.7	1222.8	1420.6	1615.9	1692.3	1608.0	1628.5	1615.4	1694.7	1754.9	2014.8
70°	1112.8	1128.2	1304.1	1628.1	1827.4	1864.2	1877.3	1796.5	1795.3	1796.9	1849.6
72.5°	905.6	907.6	1066.8	1439.6	1886.0	2142.0	2194.6	2017.2	1847.6	1718.0	1485.9
74°	657.2	652.0	814.5	1177.7	1773.5	2202.5	2270.2	2073.4	1812.8	1575.4	1177.7
75°	474.1	487.6	608.0	952.7	1600.4	2185.9	2255.2	2061.9	1740.7	1430.9	957.9
77.5°	150.9	156.1	198.0	401.3	980.1	1791.4	1914.1	1732.7	1325.4	904.0	495.2
80°	80.8	84.4	105.8	157.6	411.2	1039.8	1159.1	1006.6	736.0	454.4	271.0
82.5°	48.3	50.7	69.4	95.0	213.1	431.8	511.1	418.7	358.5	261.5	189.3
85°	31.3	32.1	40.4	58.6	138.3	169.9	199.3	205.2	204.4	183.4	152.1
87.5°	17.4	17.8	19.0	25.0	63.4	89.1	81.2	99.4	118.9	118.0	134.7
90°	12.3	12.3	10.3	11.0	34.9	89.5	81.6	87.6	78.9	92.7	139.0
92.5°	11.5	11.9	9.5	9.9	27.7	88.0	98.2	97.9	80.8	97.1	139.8
95°	9.5	10.3	7.6	8.3	17.4	75.3	97.5	97.1	71.3	76.8	99.4
97.5°	7.6	7.9	5.1	6.3	10.3	38.5	58.6	55.9	37.6	32.5	38.9
100°	4.7	5.1	2.8	4.4	6.3	12.7	21.0	22.2	17.4	7.9	4.7
102.5°	4.7	5.1	1.9	2.8	2.8	3.6	4.7	4.0	5.5	2.8	4.0
105°	4.7	5.1	1.5	1.2	0.8	1.2	0.8	1.2	1.9	2.4	4.7
107.5°	3.6	4.0	0.8	0.8	0.4	0.8	0.8	0.8	1.2	1.9	4.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	2.4	2.4	0.4	0.4	0.0	0.8	0.8	0.8	1.2	1.5	2.4
112.5°	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	1.2	1.2	1.5
115°	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.2	1.9
117.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.9
120°	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.9
122.5°	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.9
125°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.9
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.5
130°	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.5
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
142.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	0.8
145°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	1.2
147.5°	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.8	1.2	1.2
150°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.2	1.2	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.2	1.2	0.8	0.8	0.4	0.4	0.8	1.2	1.9	2.8	2.8
7.5°	1.5	1.2	1.2	1.2	1.2	5.5	20.2	35.3	44.4	47.6	46.7
10°	2.8	2.4	2.4	2.4	11.9	38.9	51.9	53.1	57.1	57.8	57.5
12.5°	59.4	50.7	31.7	15.0	41.6	54.3	56.7	60.6	63.4	83.2	87.2
15°	88.0	86.7	84.4	89.1	96.7	62.2	76.4	102.2	115.7	120.8	122.4
17.5°	105.4	103.8	97.1	112.5	119.3	118.0	114.1	122.4	124.4	129.1	128.8
20°	191.3	187.4	167.2	132.7	124.8	156.9	128.8	129.1	160.4	179.0	177.5
22.5°	211.1	209.2	198.0	194.9	168.0	166.0	172.4	176.7	190.6	197.3	196.5
25°	274.2	271.8	220.2	202.0	204.8	175.8	205.6	192.1	198.0	215.9	213.5
27.5°	339.9	334.3	293.9	246.4	205.2	218.7	207.1	226.6	246.8	257.5	258.7
30°	371.5	361.7	314.6	259.1	225.0	216.3	217.9	247.1	250.7	259.8	261.9
32.5°	490.8	482.5	400.9	266.2	225.4	206.7	228.9	241.6	279.7	299.5	301.1
35°	524.5	517.4	404.5	298.7	217.5	214.3	216.7	251.5	271.0	285.2	287.6
37.5°	560.9	548.6	411.2	280.5	223.8	199.7	209.6	228.5	262.3	286.8	293.2
40°	612.4	590.2	407.2	261.5	208.0	194.9	194.2	216.7	231.4	243.3	245.2
42.5°	678.2	640.2	409.6	243.7	193.7	181.5	184.6	194.9	200.1	200.8	200.8
45°	759.0	702.4	419.9	228.9	181.8	175.1	176.3	179.0	179.8	170.3	169.2
47.5°	868.0	782.4	428.6	217.5	173.1	170.7	167.2	168.8	165.6	152.9	151.3
50°	997.1	877.9	436.2	204.0	165.2	164.8	164.0	158.0	152.5	140.7	139.0
52.5°	1135.4	990.7	440.1	189.3	158.9	160.0	160.8	150.9	143.0	133.9	133.1
55°	1316.0	1122.3	449.6	175.8	151.3	153.7	158.0	148.1	140.7	134.7	138.3
57.5°	1494.2	1268.0	441.7	163.6	145.8	147.7	154.5	150.6	147.0	147.0	147.7
60°	1667.0	1394.4	392.6	153.7	140.7	143.0	157.2	164.4	164.0	171.5	173.5
62.5°	1783.0	1460.2	320.1	145.0	136.3	145.4	170.3	187.0	184.2	187.4	188.9
65°	1830.2	1456.2	244.0	138.6	133.5	155.7	185.4	201.6	191.3	184.2	182.6
67.5°	1780.2	1368.7	198.0	133.5	133.5	165.2	198.0	202.4	191.3	191.7	188.9
70°	1577.8	1164.6	170.3	128.4	135.4	163.6	204.4	201.2	191.7	198.5	194.5
72.5°	1184.1	829.9	152.9	124.8	134.7	157.2	200.8	200.8	192.9	206.0	202.0
74°	898.0	601.3	145.4	123.6	130.7	154.1	199.7	198.9	189.8	201.2	197.3
75°	707.5	459.5	140.7	122.0	128.4	152.1	197.6	196.9	188.1	200.4	197.3
77.5°	361.7	240.1	129.5	119.3	122.4	149.4	192.5	192.9	181.8	193.3	191.0
80°	230.6	181.8	115.3	110.2	118.0	149.8	189.3	187.4	174.7	187.4	181.8
82.5°	183.8	150.2	93.5	95.4	112.5	147.4	187.4	178.3	165.6	184.6	165.6
85°	147.4	126.3	64.5	70.5	99.8	135.4	178.7	159.7	146.6	149.4	147.0
87.5°	124.4	102.2	30.5	45.9	78.1	103.8	132.7	123.6	113.6	118.5	113.3
90°	125.9	98.2	21.8	35.3	70.5	86.3	105.8	92.7	87.2	88.7	85.5
92.5°	122.4	93.9	22.2	29.4	68.9	94.7	111.7	94.7	83.6	80.4	77.6
95°	82.8	65.0	20.6	23.0	44.0	74.5	90.3	71.7	58.2	51.5	49.5
97.5°	31.7	28.5	17.8	19.0	23.0	39.6	52.3	45.9	31.3	22.6	21.4
100°	4.7	7.9	14.6	17.8	13.5	15.0	21.8	24.6	15.9	1.5	1.2
102.5°	5.1	4.4	5.9	13.5	7.9	3.2	6.8	13.5	8.7	0.8	0.8
105°	5.9	4.7	2.4	5.9	1.9	0.4	0.4	2.8	1.9	0.4	0.8
107.5°	5.1	4.4	1.5	1.2	0.4	0.4	0.0	0.0	0.0	0.4	0.8



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.8	2.8	1.5	0.8	0.4	0.4	0.0	0.0	0.0	0.8	0.8
112.5°	1.9	1.9	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.8	1.2
115°	2.4	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	1.2	1.2
117.5°	2.4	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0	1.2	1.5
120°	2.4	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0	1.2	1.2
122.5°	2.4	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.8	1.2
125°	1.9	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.8	0.8
127.5°	1.9	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8
130°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
132.5°	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	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

(END OF REPORT)