

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: P254419

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
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-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165 lumens
Efficiency: N/A
Efficacy: 102.1 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: B1 - U3 - G2

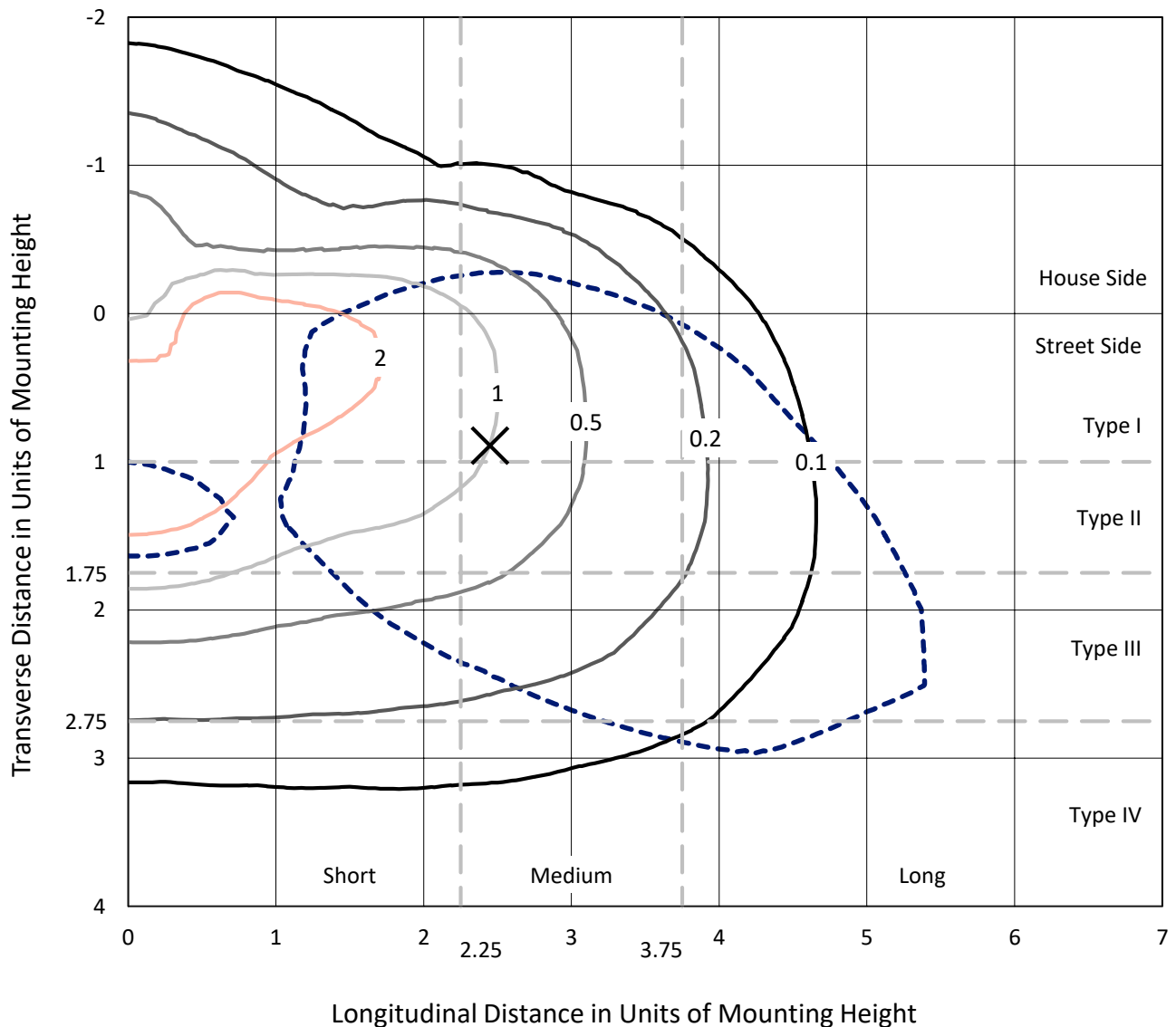
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

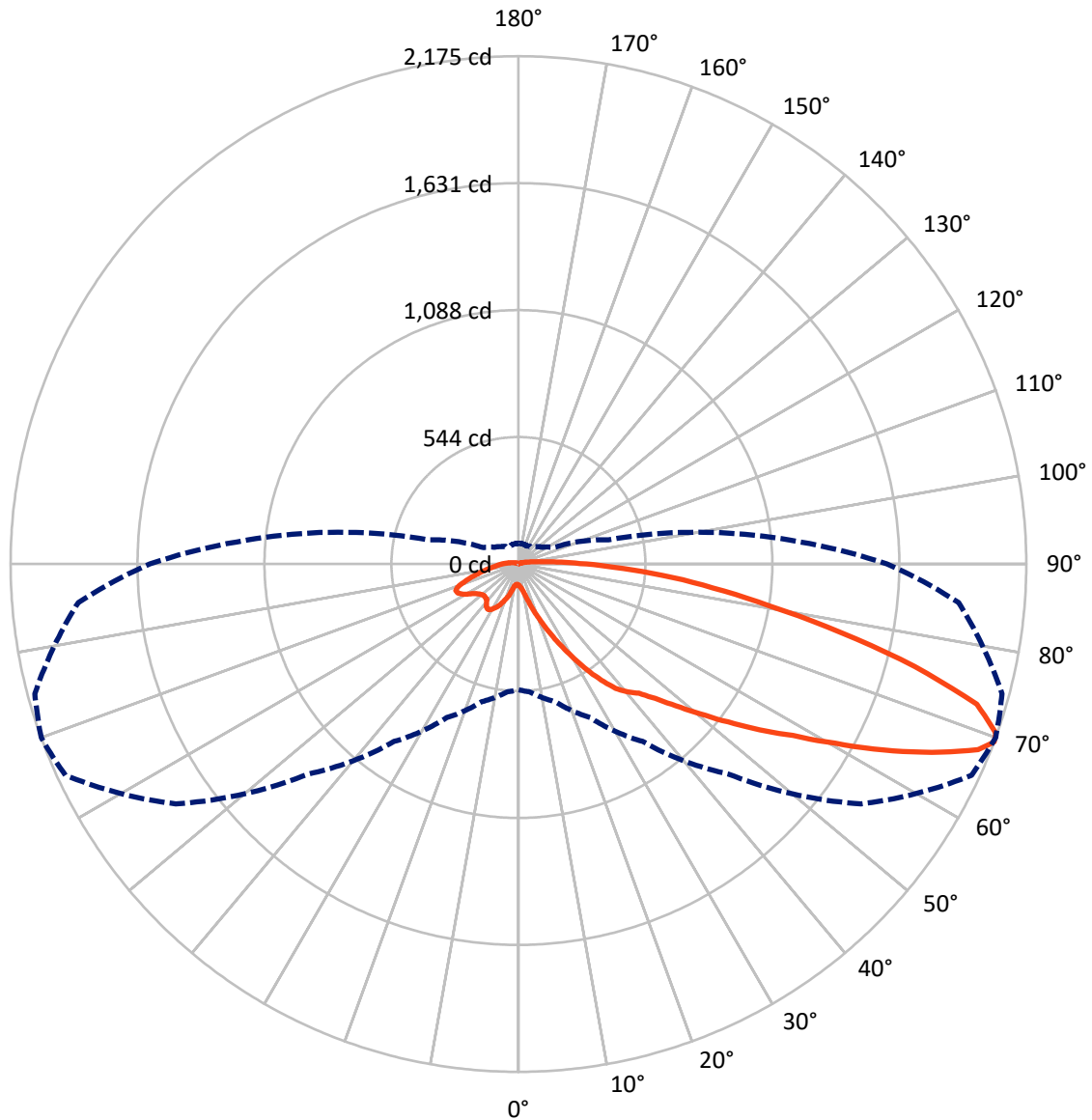


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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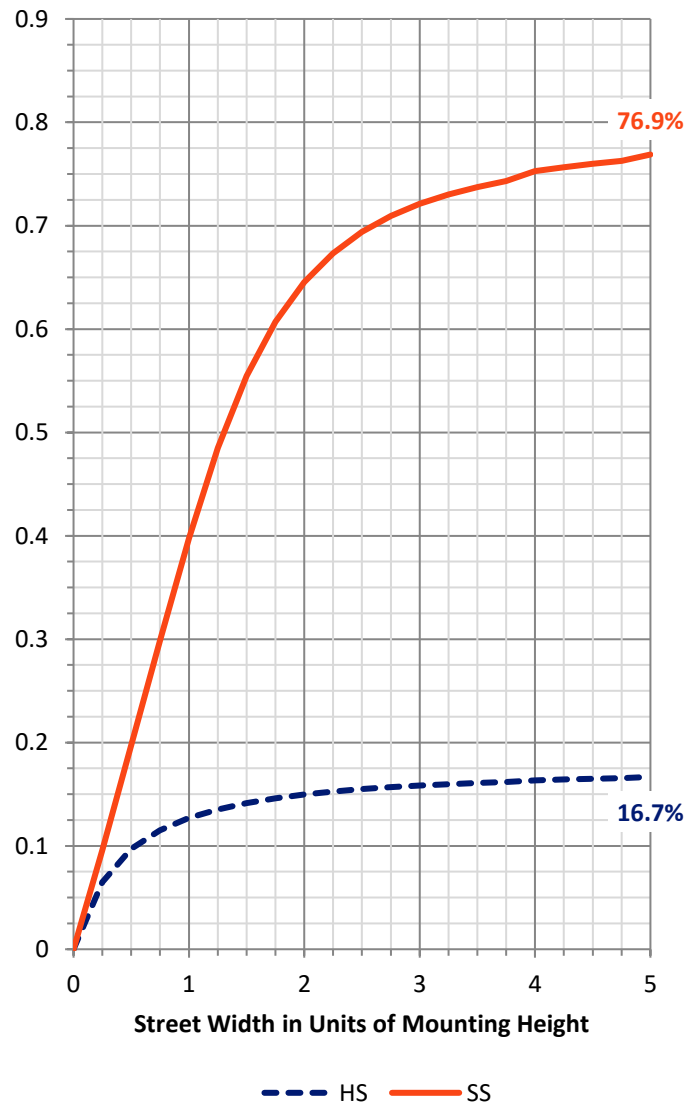
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	550.5	43.5	594.0
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	2499.4	71.6	2571.0
	% Fixture	79.0	2.3	81.2
Total	Lumens	3049.9	115.1	3165.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.3
10°-20°	40.6	1.3
20°-30°	113.0	3.6
30°-40°	238.9	7.5
40°-50°	400.7	12.7
50°-60°	604.2	19.1
60°-70°	786.2	24.8
70°-80°	614.8	19.4
80°-90°	242.2	7.7
90°-100°	71.8	2.3
100°-110°	23.5	0.7
110°-120°	10.1	0.3
120°-130°	5.5	0.2
130°-140°	2.9	0.1
140°-150°	1.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3049.9	96.4
0°-180°	3165.0	100.0

Coefficient of Utilization



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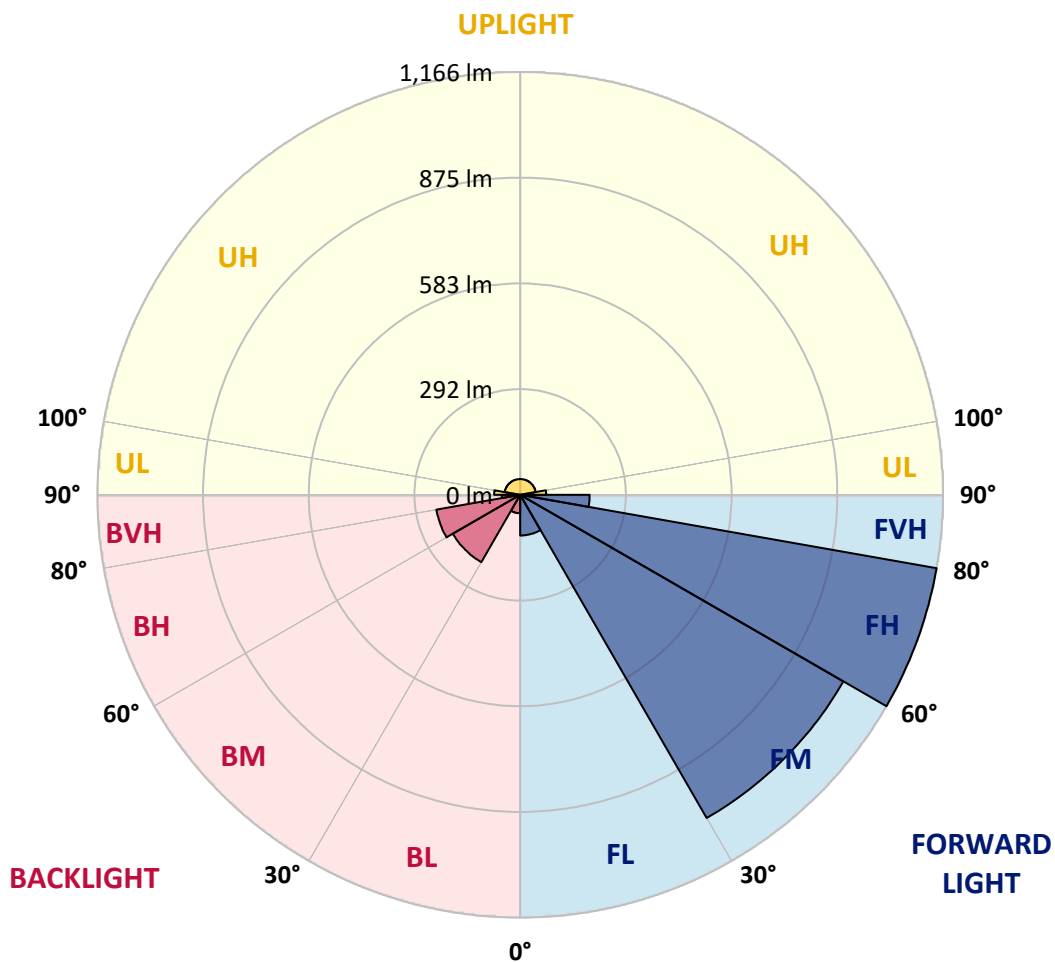
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.2	3.5			
FM	(30°-60°)	1029.3	32.5			
FH	(60°-80°)	1166.3	36.9			G1/1800
FVH	(80°-90°)	191.6	6.1			G2/225
BL	(0°-30°)	50.9	1.6	B0/110		
BM	(30°-60°)	214.4	6.8	B0/220		
BH	(60°-80°)	234.6	7.4	B1/500		G1/500
BVH	(80°-90°)	50.6	1.6			G1/100
UL	(90°-100°)	71.8	2.3		U3/500	
UH	(100°-180°)	43.5	1.4		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	101.0	101.0	101.4	101.0	100.6	99.0	97.4	95.4	94.6	93.9	91.9
5°	112.5	112.5	112.1	111.3	110.5	107.7	105.4	102.2	100.6	99.0	95.4
7.5°	126.3	125.9	125.5	124.0	122.3	118.9	115.3	111.3	108.9	106.9	102.2
10°	143.0	142.6	142.2	139.4	137.1	133.1	129.5	124.4	122.3	119.6	112.8
12.5°	164.4	165.5	163.2	158.9	155.7	150.1	147.7	144.1	141.8	140.6	133.5
15°	191.3	192.1	188.9	181.8	177.5	171.9	172.7	173.1	171.9	171.9	163.2
17.5°	223.8	222.2	219.8	209.5	202.7	200.4	204.0	207.6	208.4	209.5	200.4
20°	264.5	265.4	258.2	243.2	232.5	233.2	237.6	244.4	247.6	250.3	240.8
22.5°	320.4	314.0	305.8	284.4	269.8	266.6	273.3	286.3	291.5	298.6	289.5
25°	380.2	373.9	359.3	334.7	312.5	303.0	314.0	336.7	345.3	357.2	349.3
27.5°	444.0	438.8	416.6	390.6	360.4	343.8	358.4	388.9	402.8	417.9	409.2
30°	512.5	506.6	480.4	449.5	411.5	390.6	402.0	446.0	468.9	489.5	485.6
32.5°	594.1	586.2	554.1	514.9	464.9	440.1	452.3	512.1	541.0	567.5	562.0
35°	685.2	681.2	638.4	588.5	527.1	491.9	508.9	573.9	610.3	638.4	631.0
37.5°	789.7	785.0	736.3	670.1	592.1	547.8	560.5	633.3	675.7	705.4	688.8
40°	887.2	882.4	834.1	756.5	659.8	606.4	617.0	682.0	720.5	744.6	714.1
42.5°	991.3	982.2	928.3	838.8	731.9	668.6	666.1	719.2	756.1	787.4	755.7
45°	1083.2	1080.8	1023.1	920.5	804.4	729.6	714.1	773.1	821.4	863.4	830.9
47.5°	1141.1	1137.9	1095.5	993.3	867.8	789.0	777.9	850.0	906.5	952.2	914.5
50°	1171.9	1170.8	1140.7	1048.7	931.1	854.3	862.2	943.8	1007.6	1064.6	1024.2
52.5°	1185.4	1185.4	1162.1	1088.4	987.4	929.1	958.8	1052.3	1124.0	1185.4	1131.6
55°	1183.9	1184.3	1160.0	1097.8	1032.2	1007.6	1069.0	1180.7	1253.1	1319.3	1256.3
57.5°	1133.9	1137.1	1131.9	1091.6	1056.3	1087.2	1195.7	1318.5	1386.6	1449.2	1378.7
60°	1013.9	1022.2	1040.4	1048.4	1061.8	1162.8	1327.6	1474.2	1558.5	1635.0	1577.1
62.5°	897.8	905.0	930.4	964.8	1046.8	1220.3	1474.2	1687.7	1755.0	1828.2	1720.9
65°	756.9	767.9	817.4	882.8	1010.4	1260.7	1635.7	1887.7	1945.4	1980.7	1847.7
67.5°	615.1	625.3	684.8	789.0	962.8	1284.0	1755.0	2065.8	2122.9	2126.4	1928.8
69°	538.3	549.7	610.7	725.6	927.6	1271.3	1791.4	2141.1	2175.2	2144.3	1892.4
70°	497.1	497.1	564.8	682.0	896.7	1248.0	1797.3	2146.7	2168.9	2123.2	1854.0
72.5°	360.4	364.4	435.3	571.9	798.1	1153.7	1697.9	2040.1	2052.8	1930.4	1597.3
75°	247.1	251.1	313.6	444.4	670.5	1004.0	1497.9	1764.5	1753.3	1618.7	1291.6
77.5°	171.1	173.9	221.4	324.0	530.3	830.9	1248.4	1442.5	1415.2	1289.2	966.4
80°	120.0	122.8	159.2	240.8	402.4	653.9	989.7	1130.0	1090.4	978.2	709.7
82.5°	84.4	86.7	116.8	182.2	304.9	508.9	780.6	878.8	839.6	740.2	507.4
85°	60.3	61.8	84.8	138.6	233.6	379.4	592.5	658.7	618.7	526.7	337.1
87.5°	43.6	45.1	62.6	104.5	181.0	295.0	438.0	466.2	410.3	333.5	213.1
90°	32.8	34.1	47.2	78.5	141.0	216.7	313.6	303.8	263.0	210.3	142.2
92.5°	24.6	25.4	36.0	59.4	108.1	168.3	217.8	198.0	164.0	133.1	97.1
95°	18.2	19.0	27.3	44.8	80.0	120.8	142.2	122.3	102.2	84.4	66.2
97.5°	13.9	14.6	21.4	34.1	57.8	85.1	91.9	78.1	67.7	57.8	47.2
100°	11.0	11.5	16.7	26.2	41.6	58.2	63.3	54.2	47.6	42.4	35.6
102.5°	8.7	9.5	13.5	20.6	31.7	43.2	45.9	39.6	35.3	31.7	28.1
105°	7.6	7.9	11.0	16.7	25.0	32.4	34.9	29.7	26.2	23.7	21.8
107.5°	6.8	6.8	9.5	13.9	20.2	25.8	26.9	22.2	19.4	17.8	16.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	5.9	5.9	8.3	11.9	17.0	21.4	21.0	16.7	14.6	13.1	13.1
112.5°	5.5	5.5	7.2	10.7	14.6	17.8	16.7	13.1	11.5	9.9	10.7
115°	5.1	5.1	6.8	9.5	13.1	15.0	13.9	10.3	8.7	7.9	8.7
117.5°	5.1	5.1	6.3	8.7	11.9	13.1	11.9	8.7	7.2	6.8	7.6
120°	5.1	5.1	6.3	8.3	10.7	11.5	9.9	7.2	6.3	5.5	6.8
122.5°	5.1	5.1	5.9	7.9	9.9	10.3	8.7	6.3	5.1	5.1	5.9
125°	5.5	5.5	6.3	7.9	9.1	9.1	7.6	5.5	4.7	4.7	5.9
127.5°	5.9	5.9	6.3	7.6	8.3	7.9	6.8	5.1	4.7	4.7	5.5
130°	6.3	6.3	6.8	7.2	7.6	6.8	5.5	4.7	4.4	4.7	5.5
132.5°	6.3	6.3	6.3	6.8	6.8	5.9	4.7	4.0	4.0	4.4	5.1
135°	5.9	5.9	5.9	5.9	5.9	4.7	4.0	3.6	3.6	4.0	4.7
137.5°	5.1	5.1	4.7	4.7	4.7	4.0	3.2	2.8	2.8	3.2	4.0
140°	4.0	4.0	4.0	4.0	4.0	3.2	2.4	1.9	2.4	2.8	3.2
142.5°	3.2	3.2	3.2	3.2	3.2	2.4	1.5	1.9	2.4	2.4	2.8
145°	2.8	2.4	2.4	2.4	2.4	1.5	1.2	1.5	1.9	2.4	2.4
147.5°	1.9	1.9	1.9	1.9	1.5	0.8	0.8	1.5	1.5	1.9	2.4
150°	1.2	1.2	1.2	1.2	0.8	0.4	0.8	1.2	1.5	1.5	1.9
152.5°	0.4	0.4	0.8	0.8	0.4	0.0	0.4	0.8	1.2	1.2	1.5
155°	0.0	0.0	0.4	0.8	0.0	0.0	0.4	0.8	0.8	1.2	1.2
157.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.8	0.8	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	90.7	89.9	88.3	87.2	85.5	84.4	84.4	83.2	83.2	82.8	82.3
5°	93.9	92.7	88.7	85.9	83.2	80.8	79.2	78.1	76.8	76.0	75.7
7.5°	99.8	97.1	91.5	86.7	81.9	78.5	75.3	73.2	71.7	71.3	70.5
10°	109.7	106.5	97.8	89.9	82.8	76.8	72.8	70.1	68.5	68.1	67.7
12.5°	129.1	124.4	111.7	98.6	85.1	76.0	70.9	70.5	70.9	71.7	72.1
15°	157.2	152.1	132.7	112.1	91.5	77.2	74.5	75.3	76.4	77.6	77.6
17.5°	191.7	183.0	156.8	127.2	99.4	84.4	78.1	78.8	81.2	83.2	83.2
20°	230.1	216.3	179.4	138.2	106.9	89.1	81.6	81.9	85.5	88.0	88.3
22.5°	276.8	255.8	203.2	147.3	111.3	91.1	84.0	84.4	89.9	93.9	94.2
25°	329.5	302.2	230.5	157.2	112.8	90.3	85.1	88.0	96.7	103.4	103.7
27.5°	382.2	344.5	251.5	164.0	111.7	88.0	85.9	91.9	102.6	108.9	109.7
30°	450.3	403.1	274.9	166.7	107.7	85.5	85.9	93.5	102.6	108.9	109.4
32.5°	518.0	453.9	293.9	168.7	103.4	83.6	84.8	91.5	100.2	107.3	107.7
35°	575.5	494.3	302.2	164.8	99.4	82.3	82.8	89.5	99.4	108.1	108.5
37.5°	617.9	520.4	301.4	155.3	94.6	81.2	81.6	89.1	100.2	109.7	110.9
40°	632.1	522.0	286.3	141.4	91.5	80.8	81.9	89.1	99.4	107.3	108.5
42.5°	665.4	535.8	276.1	129.1	89.1	81.6	83.2	88.0	95.4	103.0	104.5
45°	724.8	573.5	278.9	123.2	88.7	83.6	84.0	86.7	91.9	99.0	101.0
47.5°	789.0	611.9	280.0	120.0	90.7	85.5	85.1	85.5	88.3	94.2	96.3
50°	877.7	669.7	286.3	119.6	93.9	88.0	86.3	84.8	86.7	93.9	95.9
52.5°	969.1	731.1	296.7	121.9	98.6	91.1	88.0	85.1	86.7	93.1	95.9
55°	1071.3	807.5	311.7	126.7	103.4	94.6	89.9	86.3	86.3	91.9	94.2
57.5°	1184.3	886.4	331.5	133.1	108.5	98.6	91.5	86.7	85.9	89.5	91.5
60°	1359.7	1018.7	366.3	142.2	113.6	101.8	92.7	87.2	86.3	89.1	90.3
62.5°	1476.1	1110.5	396.5	151.3	118.5	104.5	93.1	87.2	87.2	88.7	89.5
65°	1586.6	1190.9	416.6	159.6	122.8	106.2	93.1	86.7	87.2	88.3	88.3
67.5°	1623.8	1211.2	417.9	165.5	125.5	106.2	92.3	86.3	87.6	88.7	88.3
69°	1579.1	1169.1	400.0	165.9	125.5	105.0	91.5	85.5	87.6	88.7	88.3
70°	1536.7	1133.1	384.9	164.4	124.4	103.7	90.3	85.1	87.2	88.3	88.0
72.5°	1297.9	936.7	325.9	156.4	120.0	99.8	86.7	82.3	85.1	86.7	85.9
75°	1034.1	738.3	265.8	142.6	112.5	93.5	81.9	78.1	81.2	82.8	81.6
77.5°	770.7	546.6	212.7	128.7	104.1	88.0	76.8	72.5	74.9	75.7	74.5
80°	559.2	396.8	170.7	116.0	96.7	82.3	71.7	66.9	68.9	68.9	67.3
82.5°	395.3	282.0	137.8	103.4	88.7	77.6	67.3	62.2	65.0	64.5	63.0
85°	264.9	195.7	112.8	89.5	79.6	71.3	62.6	58.6	61.8	61.4	59.8
87.5°	175.4	139.8	94.6	77.6	69.7	63.3	57.1	54.2	57.4	56.7	54.6
90°	124.4	105.8	80.0	66.9	59.8	55.0	50.7	48.7	50.7	49.1	47.2
92.5°	89.5	79.2	65.8	56.3	49.9	46.7	44.0	42.4	43.6	41.2	39.6
95°	63.3	58.2	52.7	46.3	41.6	38.8	37.2	36.4	37.2	33.7	32.4
97.5°	46.3	44.0	41.6	38.5	34.5	32.8	31.7	30.9	30.9	27.3	26.5
100°	36.0	34.9	34.1	32.1	28.9	27.7	26.9	26.5	25.8	22.6	21.8
102.5°	28.9	28.5	28.5	26.5	24.1	23.3	22.6	22.2	21.4	18.6	17.8
105°	23.0	23.0	23.3	21.8	20.2	19.4	19.0	18.2	17.4	15.4	15.4
107.5°	18.2	18.2	19.0	17.8	17.0	16.3	15.9	15.0	14.2	13.1	13.1



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.2	14.6	15.9	15.0	14.2	13.9	13.5	12.3	11.5	11.0	11.0
112.5°	11.5	12.3	13.1	12.7	11.9	11.9	11.0	10.3	9.5	9.5	9.5
115°	9.9	10.3	11.0	10.7	10.3	9.9	9.5	8.3	7.9	7.9	8.3
117.5°	8.3	8.7	9.5	9.1	8.7	8.7	7.9	7.2	6.3	7.2	7.2
120°	7.2	7.6	7.9	7.9	7.6	7.6	6.8	5.9	5.1	5.9	5.9
122.5°	6.8	6.8	7.2	6.8	6.8	6.3	5.5	4.7	4.4	5.1	5.1
125°	6.3	6.3	6.3	5.9	5.9	5.5	4.7	4.0	3.6	4.4	4.4
127.5°	5.9	5.9	5.9	5.5	4.7	4.4	4.0	3.2	2.8	3.6	3.6
130°	5.9	5.9	5.1	4.7	4.4	3.6	3.2	2.4	2.4	3.2	3.2
132.5°	5.5	5.1	4.7	4.0	3.6	2.8	2.4	1.9	1.9	2.4	2.8
135°	4.7	4.7	4.0	3.2	2.8	1.9	1.9	1.2	1.5	1.9	1.9
137.5°	4.0	4.0	3.6	2.8	1.9	1.5	1.2	0.8	1.2	1.5	1.5
140°	3.6	3.2	2.8	2.4	1.5	0.8	0.8	0.4	0.8	0.8	1.2
142.5°	3.2	3.2	2.8	1.9	1.2	0.8	0.0	0.4	0.4	0.4	0.8
145°	2.8	2.8	2.4	1.5	1.2	0.4	0.0	0.4	0.4	0.4	0.0
147.5°	2.4	2.4	1.9	1.5	0.8	0.0	0.0	0.0	0.4	0.0	0.0
150°	1.9	1.9	1.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	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)