

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: P254959

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3132.3 lumens
Efficiency: N/A
Efficacy: 101.0 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

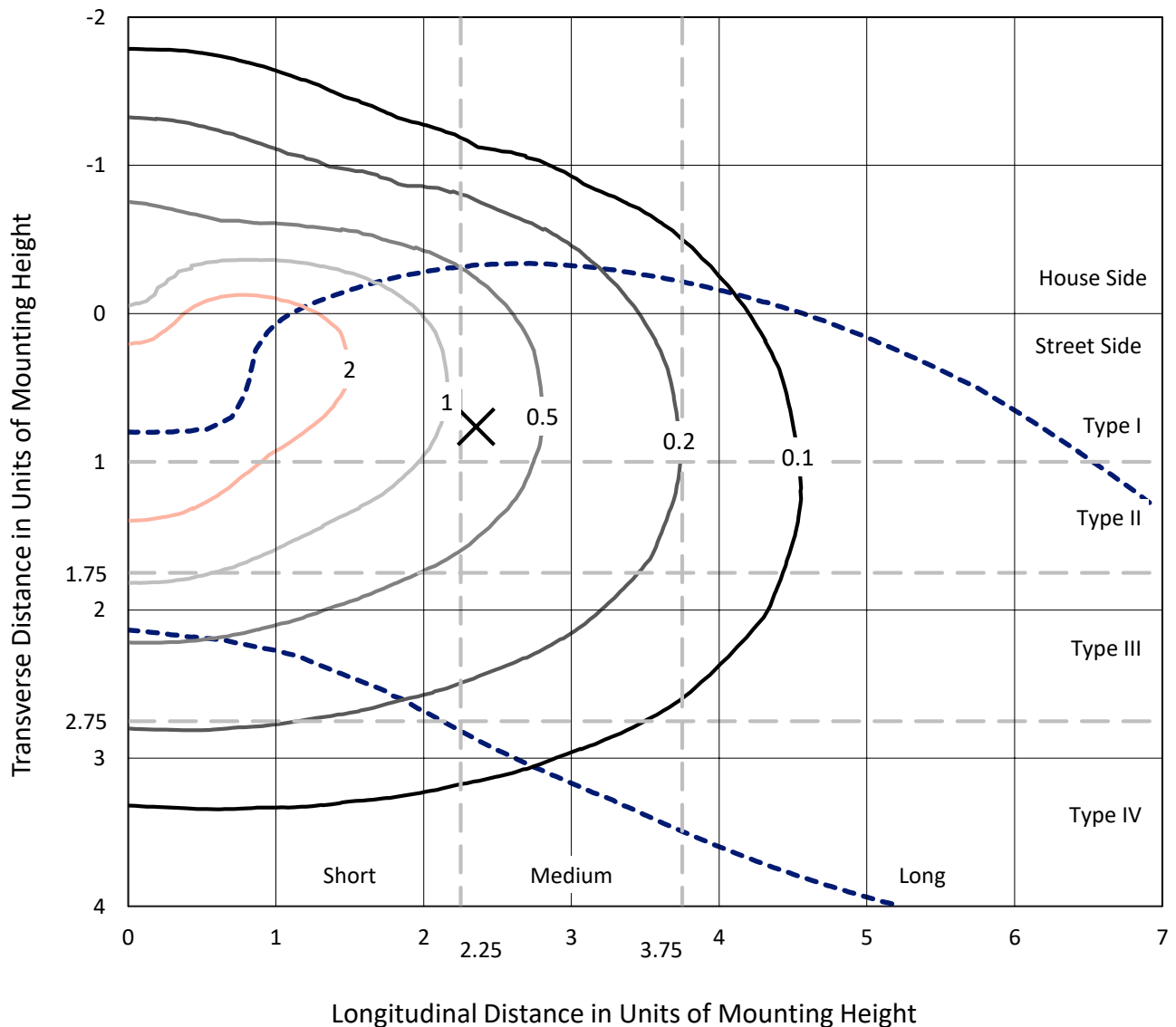
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

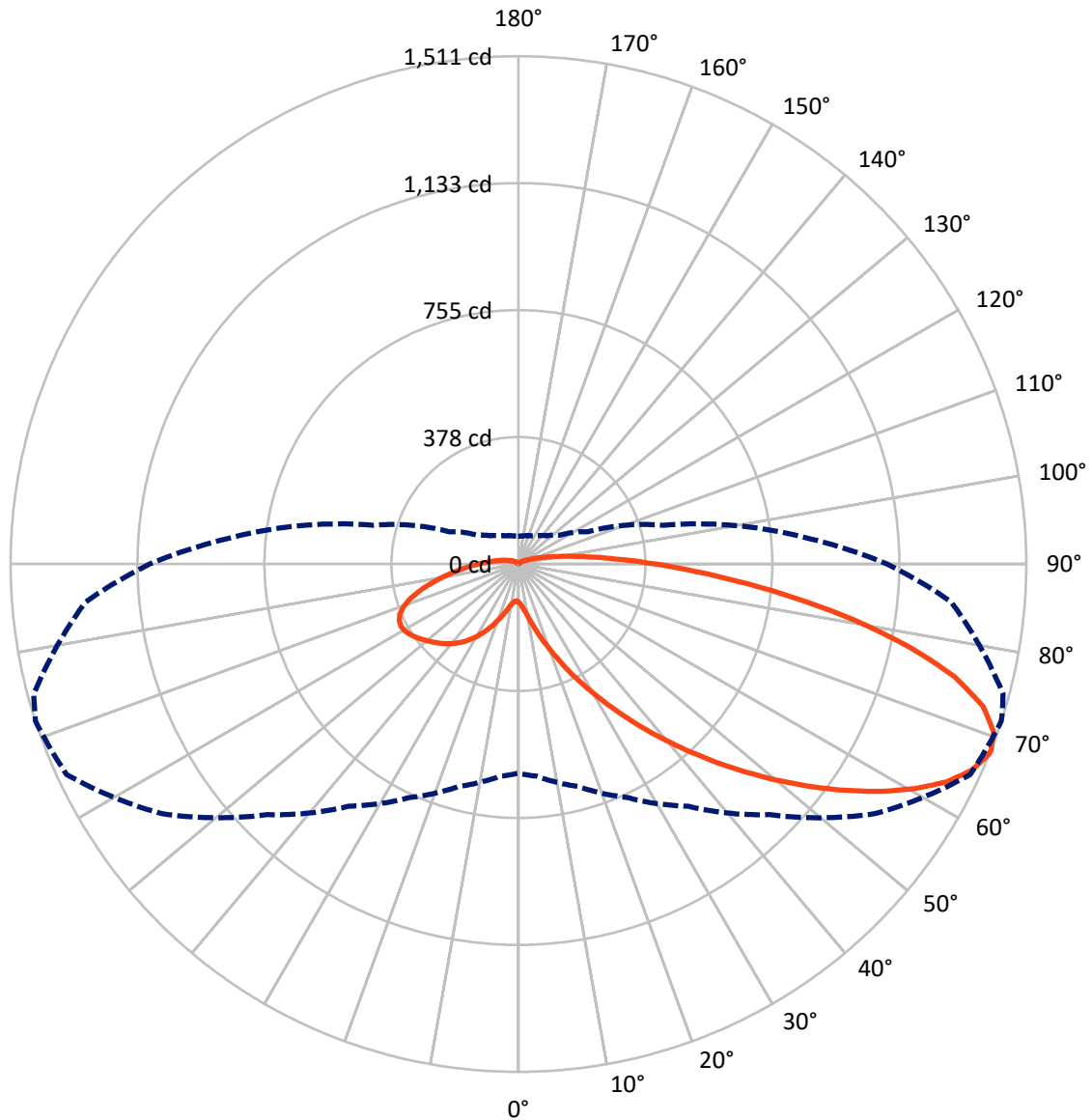


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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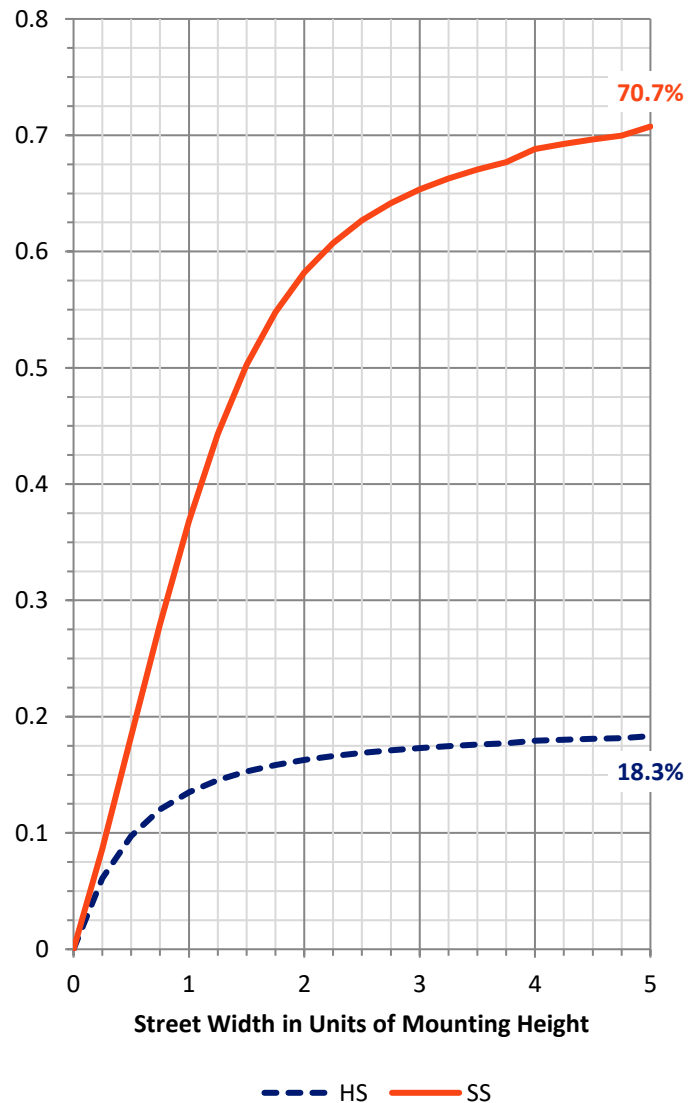
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	602.0	71.7	673.7
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	2310.8	147.8	2458.6
	% Fixture	73.8	4.7	78.5
Total	Lumens	2912.8	219.5	3132.3
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.4
10°-20°	49.7	1.6
20°-30°	123.0	3.9
30°-40°	240.6	7.7
40°-50°	401.0	12.8
50°-60°	571.2	18.2
60°-70°	661.7	21.1
70°-80°	552.6	17.6
80°-90°	300.9	9.6
90°-100°	126.3	4.0
100°-110°	52.6	1.7
110°-120°	23.7	0.8
120°-130°	11.1	0.4
130°-140°	4.6	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2912.8	93.0
0°-180°	3132.3	100.0



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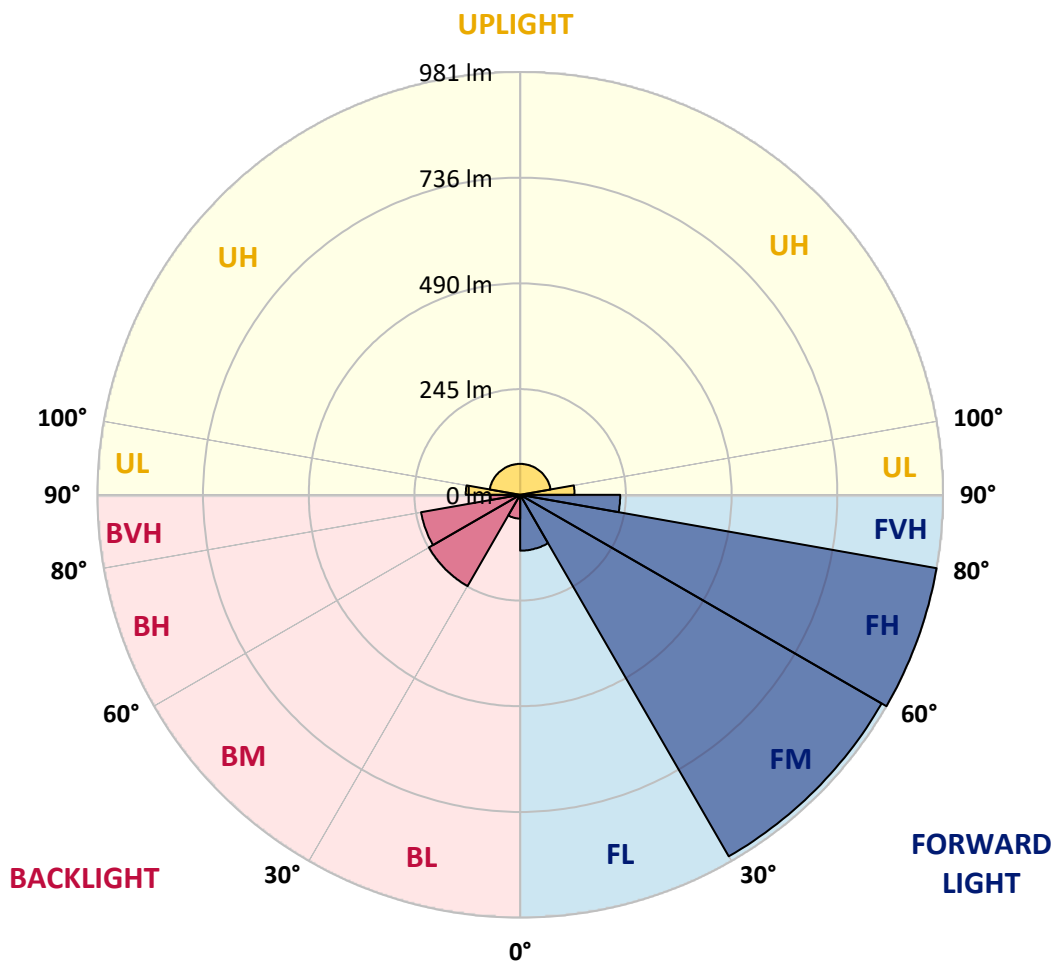
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.6	4.1			
FM	(30°-60°)	968.3	30.9			
FH	(60°-80°)	980.9	31.3			G1/1800
FVH	(80°-90°)	231.9	7.4			G3/500
BL	(0°-30°)	55.1	1.8	B0/110		
BM	(30°-60°)	244.5	7.8	B1/1000		
BH	(60°-80°)	233.4	7.5	B1/500		G1/500
BVH	(80°-90°)	68.9	2.2			G1/100
UL	(90°-100°)	126.3	4.0		U3/500	
UH	(100°-180°)	71.7	2.3		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°	72°	75°	85°
0°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
2.5°	130.3	130.3	130.7	129.5	128.4	127.2	124.4	122.0	120.0	118.9	116.5
5°	148.1	148.5	147.8	146.6	144.6	141.8	137.9	133.1	129.2	128.4	122.9
7.5°	169.2	169.2	168.4	166.4	164.0	160.1	154.1	147.8	142.2	141.1	132.7
10°	193.3	193.3	192.9	189.8	186.2	181.5	174.3	167.6	160.1	157.6	146.6
12.5°	221.9	221.5	220.2	216.4	212.0	206.0	198.0	189.8	182.6	179.8	166.4
15°	252.8	252.8	251.1	246.0	240.9	233.7	226.6	219.4	210.3	207.1	190.2
17.5°	286.8	286.4	283.3	278.5	271.4	265.9	259.1	250.7	240.9	236.9	217.1
20°	325.3	324.1	319.7	313.3	307.0	299.9	293.2	281.7	273.3	271.0	248.0
22.5°	368.9	366.8	361.3	352.6	345.0	336.3	329.2	319.3	311.8	307.4	284.8
25°	417.6	416.8	410.0	395.8	385.0	375.1	368.1	363.2	356.5	350.2	324.1
27.5°	470.7	468.6	457.6	443.3	426.7	415.5	408.9	405.3	401.3	397.7	367.2
30°	527.6	526.5	511.9	494.0	471.8	457.6	452.9	453.2	452.5	448.9	415.2
32.5°	589.5	588.7	570.5	547.9	520.2	501.1	499.9	505.8	507.1	504.7	466.7
35°	655.6	654.9	633.8	605.7	570.9	548.7	550.2	561.8	566.9	564.9	521.7
37.5°	723.0	722.2	700.4	665.9	623.2	597.8	602.5	621.5	631.5	629.9	580.4
40°	797.1	789.9	767.3	726.2	677.4	649.3	660.0	685.4	700.0	694.5	641.8
42.5°	861.2	856.1	831.6	785.6	732.5	706.8	719.9	753.1	772.9	771.3	707.6
45°	917.9	915.5	891.4	842.2	787.6	761.8	782.8	825.6	850.2	845.8	776.8
47.5°	969.0	965.1	942.9	893.3	838.3	819.7	848.1	900.1	930.6	927.8	848.5
50°	1003.5	1001.9	982.4	935.3	885.5	869.6	916.7	980.9	1015.4	1012.2	923.0
52.5°	1019.4	1019.0	1005.9	966.3	925.9	928.2	986.4	1063.7	1101.7	1100.5	1000.3
55°	1014.2	1013.7	1009.0	982.9	957.5	976.9	1056.2	1148.1	1189.3	1188.5	1075.2
57.5°	983.7	985.2	991.5	982.0	978.6	1021.7	1123.5	1230.5	1275.6	1273.3	1148.5
60°	925.5	929.0	949.2	961.1	984.5	1053.4	1185.7	1311.7	1356.0	1352.1	1215.1
62.5°	845.4	853.8	883.8	919.8	972.6	1074.8	1241.1	1383.7	1427.7	1419.4	1261.4
65°	749.9	759.4	800.3	859.7	942.9	1078.0	1280.8	1442.8	1480.8	1470.2	1293.4
67.5°	643.7	655.6	705.1	783.2	892.5	1060.9	1295.1	1479.3	1509.4	1492.4	1296.6
68°	622.0	633.8	685.0	766.2	879.4	1054.2	1294.6	1482.5	1510.6	1492.4	1291.9
70°	537.2	549.8	605.7	695.6	827.6	1020.5	1279.2	1478.9	1499.9	1477.7	1260.2
72.5°	440.5	453.2	509.4	605.0	748.0	951.1	1224.9	1434.5	1444.4	1418.2	1183.8
75°	353.7	366.8	421.1	517.4	661.5	868.8	1135.0	1341.8	1339.9	1309.3	1068.5
77.5°	280.1	292.0	343.5	434.5	572.9	768.1	1019.4	1203.5	1190.5	1158.4	921.9
80°	220.2	231.0	277.7	361.3	487.2	662.8	881.1	1035.1	1013.3	980.5	764.1
82.5°	172.0	181.9	223.0	297.2	408.5	560.2	732.5	857.3	827.2	797.1	612.8
85°	134.3	142.2	178.7	242.4	337.6	463.1	602.5	684.6	652.8	626.8	477.7
87.5°	105.0	111.7	142.6	196.9	278.5	376.3	480.6	533.3	503.5	482.1	366.4
90°	82.4	87.2	114.9	159.7	224.6	303.5	377.6	409.3	382.7	366.0	279.7
92.5°	65.4	68.9	91.6	129.5	181.1	240.9	292.4	310.2	288.0	275.7	212.4
95°	52.3	55.0	74.1	105.8	147.4	190.6	225.0	234.2	216.7	207.1	161.2
97.5°	42.8	44.8	61.0	85.9	118.0	151.3	174.3	177.9	163.6	156.5	123.2
100°	35.7	36.8	50.3	71.3	95.9	120.4	135.8	136.3	124.4	118.5	93.9
102.5°	30.1	30.9	42.0	59.4	79.3	96.7	107.0	105.0	94.3	89.5	72.1
105°	25.8	26.5	35.3	49.9	66.2	78.5	84.4	81.2	72.1	68.5	55.9
107.5°	22.6	23.0	29.7	42.0	55.4	64.5	68.1	63.8	55.9	52.7	44.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	19.8	20.3	25.4	36.0	46.7	54.3	55.4	50.3	43.6	41.2	35.3
112.5°	17.4	17.8	22.2	30.5	40.0	45.5	45.9	40.4	34.5	32.5	28.5
115°	15.9	16.3	19.4	26.2	34.1	38.5	38.1	32.5	27.3	25.8	23.3
117.5°	14.6	15.0	17.4	22.6	29.4	32.5	31.7	26.5	22.2	21.0	19.8
120°	13.5	13.9	15.4	19.4	25.0	27.7	26.2	21.4	18.2	17.4	16.7
122.5°	12.7	12.7	13.9	17.1	21.4	23.3	21.8	17.8	15.0	14.2	14.2
125°	11.5	11.9	12.7	14.6	18.2	19.8	18.2	14.6	12.3	12.3	12.3
127.5°	11.0	11.0	11.5	13.1	15.4	16.7	15.0	11.9	10.3	10.3	10.7
130°	10.3	10.3	10.3	11.5	13.1	13.5	11.9	9.5	8.7	8.7	9.1
132.5°	9.5	9.5	9.5	9.9	10.7	10.7	9.5	7.9	7.6	7.6	7.9
135°	8.7	8.7	8.3	8.3	8.7	8.3	7.6	6.3	5.9	6.3	6.8
137.5°	7.6	7.6	7.6	7.2	6.8	6.3	5.1	4.7	4.7	5.1	5.5
140°	6.3	6.3	6.3	5.5	5.1	4.4	3.6	3.2	3.6	4.0	4.4
142.5°	5.1	5.1	5.1	4.4	3.6	2.8	1.9	1.9	2.4	2.8	3.2
145°	4.0	4.0	4.0	3.2	2.4	1.5	1.2	1.5	1.9	1.9	2.4
147.5°	2.8	2.8	2.8	1.9	1.2	0.4	0.4	1.2	1.5	1.5	1.9
150°	1.5	1.5	1.5	0.8	0.4	0.0	0.0	0.8	1.2	1.2	1.5
152.5°	0.4	0.4	0.8	0.4	0.0	0.0	0.0	0.4	0.8	0.8	1.2
155°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
2.5°	114.9	113.6	110.9	108.1	105.8	103.8	102.2	101.4	100.7	100.2	99.4
5°	120.0	117.2	111.7	106.6	101.8	97.9	93.9	91.6	89.9	88.7	88.4
7.5°	128.8	124.4	116.1	108.1	100.7	93.5	88.7	85.6	82.8	81.2	80.8
10°	141.5	135.8	123.6	112.1	101.8	92.7	85.9	81.2	78.1	76.4	76.4
12.5°	159.7	151.3	135.1	119.3	105.0	93.5	85.2	80.8	78.5	77.2	77.2
15°	182.2	171.1	150.2	129.5	111.3	97.1	88.7	84.0	81.6	80.4	80.4
17.5°	207.1	192.9	166.7	140.7	117.6	103.4	92.7	87.2	84.4	83.2	83.2
20°	235.7	219.4	184.6	151.7	126.0	109.4	97.1	89.9	87.2	86.3	85.9
22.5°	268.2	247.2	204.0	163.3	134.3	114.1	100.7	92.3	89.9	89.1	89.1
25°	304.2	278.9	225.0	175.5	141.1	117.6	103.4	95.0	92.3	91.9	91.6
27.5°	342.3	312.6	246.0	187.4	146.2	119.7	105.0	97.5	94.3	94.3	93.9
30°	386.7	347.8	266.2	197.3	149.4	120.4	105.4	98.6	95.9	96.3	96.7
32.5°	431.1	385.0	286.4	206.0	151.7	120.8	105.4	99.0	96.3	97.5	97.5
35°	478.1	423.5	305.9	213.2	152.9	120.4	105.4	99.8	96.7	97.9	98.2
37.5°	527.6	462.7	324.5	218.7	153.7	120.0	105.4	99.8	97.1	98.2	98.2
40°	578.4	502.0	342.3	222.6	153.7	119.7	105.0	99.8	97.9	97.9	98.2
42.5°	633.1	542.8	358.5	225.8	153.7	118.9	105.0	99.8	97.1	97.5	97.9
45°	690.9	584.7	374.0	228.2	153.3	118.9	104.5	99.4	96.7	96.3	96.7
47.5°	747.6	628.3	389.0	230.6	152.9	119.3	104.5	99.0	95.9	94.3	94.7
50°	810.2	673.5	404.5	232.1	153.3	119.3	105.0	98.6	94.7	92.7	93.1
52.5°	872.0	718.6	419.5	234.2	153.3	119.7	105.0	97.9	93.5	90.7	91.1
55°	937.3	763.4	434.2	236.1	153.7	120.0	105.4	97.1	92.3	89.1	89.5
57.5°	994.4	806.2	447.2	237.3	153.7	120.8	105.4	96.7	91.1	87.6	87.6
60°	1046.7	845.8	458.0	237.7	153.7	120.8	105.4	95.9	90.3	85.9	85.9
62.5°	1086.3	872.4	463.1	236.9	152.9	120.8	105.0	95.0	89.5	84.8	84.8
65°	1106.5	883.8	460.7	234.2	152.1	120.4	104.5	93.9	88.4	84.0	83.6
67.5°	1101.3	875.1	449.3	228.6	150.2	119.3	103.4	92.3	87.6	83.2	82.4
68°	1096.2	868.4	445.7	227.0	148.9	118.9	103.0	92.3	87.2	83.2	82.4
70°	1061.3	839.4	427.1	220.2	147.0	117.2	101.8	90.7	85.9	82.4	81.6
72.5°	987.7	776.8	395.8	208.8	142.2	114.5	99.0	88.7	84.4	81.2	80.0
75°	881.9	693.3	356.5	195.3	136.3	110.9	95.4	85.9	82.0	79.3	78.1
77.5°	761.4	595.1	313.3	179.0	129.2	106.6	91.6	82.8	79.3	76.8	74.9
80°	629.9	494.0	269.8	162.0	121.2	101.1	87.2	78.9	75.7	72.9	71.3
82.5°	505.1	400.1	228.6	145.8	111.7	93.9	82.0	74.1	70.9	68.5	66.6
85°	395.8	319.0	191.4	129.2	103.0	87.6	76.4	68.9	66.2	63.4	61.4
87.5°	306.6	250.7	160.4	113.6	93.1	80.4	70.9	63.8	60.7	57.5	55.9
90°	236.9	197.3	132.7	99.0	84.4	73.7	65.0	58.2	54.6	51.9	50.3
92.5°	182.6	155.7	110.2	86.7	75.3	66.6	59.0	53.1	49.1	45.5	44.4
95°	141.5	123.2	91.6	75.3	66.9	59.8	53.5	47.6	43.2	39.6	38.5
97.5°	110.2	97.5	76.1	65.0	59.0	53.1	47.6	42.4	38.1	33.7	32.8
100°	85.2	77.2	63.8	56.3	51.9	46.7	42.0	37.6	32.5	28.5	28.1
102.5°	66.9	61.8	53.5	48.7	45.1	41.2	37.2	32.8	27.7	23.7	23.3
105°	53.1	49.9	44.8	41.6	39.2	36.0	32.8	28.5	23.0	19.8	19.8
107.5°	42.4	40.4	37.6	35.7	34.1	31.3	28.5	24.1	19.0	16.3	16.7



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.5	33.2	31.7	30.9	29.7	27.3	24.6	20.6	15.9	13.5	13.9
112.5°	28.1	27.7	26.9	26.5	25.8	23.7	21.0	17.1	12.7	11.5	11.5
115°	23.3	23.0	23.0	22.6	22.2	20.6	17.8	14.2	10.3	9.5	9.5
117.5°	19.8	19.8	19.4	19.4	19.0	17.4	15.0	11.9	8.3	7.9	7.9
120°	16.7	16.7	16.7	16.7	16.3	14.6	12.7	9.5	6.8	6.8	6.8
122.5°	14.2	14.6	14.2	14.2	13.9	12.7	10.3	7.6	5.5	5.5	5.9
125°	12.3	12.3	12.3	11.9	11.5	10.3	8.3	5.9	4.7	4.7	4.7
127.5°	10.7	10.7	10.7	10.3	9.5	8.7	6.8	4.7	4.0	4.0	4.0
130°	9.5	9.1	9.1	8.7	7.9	6.8	5.1	3.6	3.2	3.2	3.2
132.5°	7.9	7.9	7.6	7.2	6.3	5.1	4.0	2.4	2.4	2.8	2.8
135°	6.8	6.8	6.3	5.5	4.7	4.0	2.8	1.9	1.9	1.9	1.9
137.5°	5.5	5.5	5.1	4.4	3.6	2.4	1.5	1.2	1.2	1.5	1.5
140°	4.4	4.4	4.0	3.2	2.4	1.5	0.8	0.4	0.8	0.8	0.8
142.5°	3.2	3.2	2.8	1.9	1.2	0.8	0.0	0.4	0.4	0.4	0.4
145°	2.4	2.4	1.9	1.5	0.8	0.4	0.0	0.0	0.4	0.0	0.0
147.5°	1.9	1.9	1.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	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)