

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: P254356

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254356
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-AF24-30-D-U-T4W-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3098.6 lumens
Efficiency: N/A
Efficacy: 100.0 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 - 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

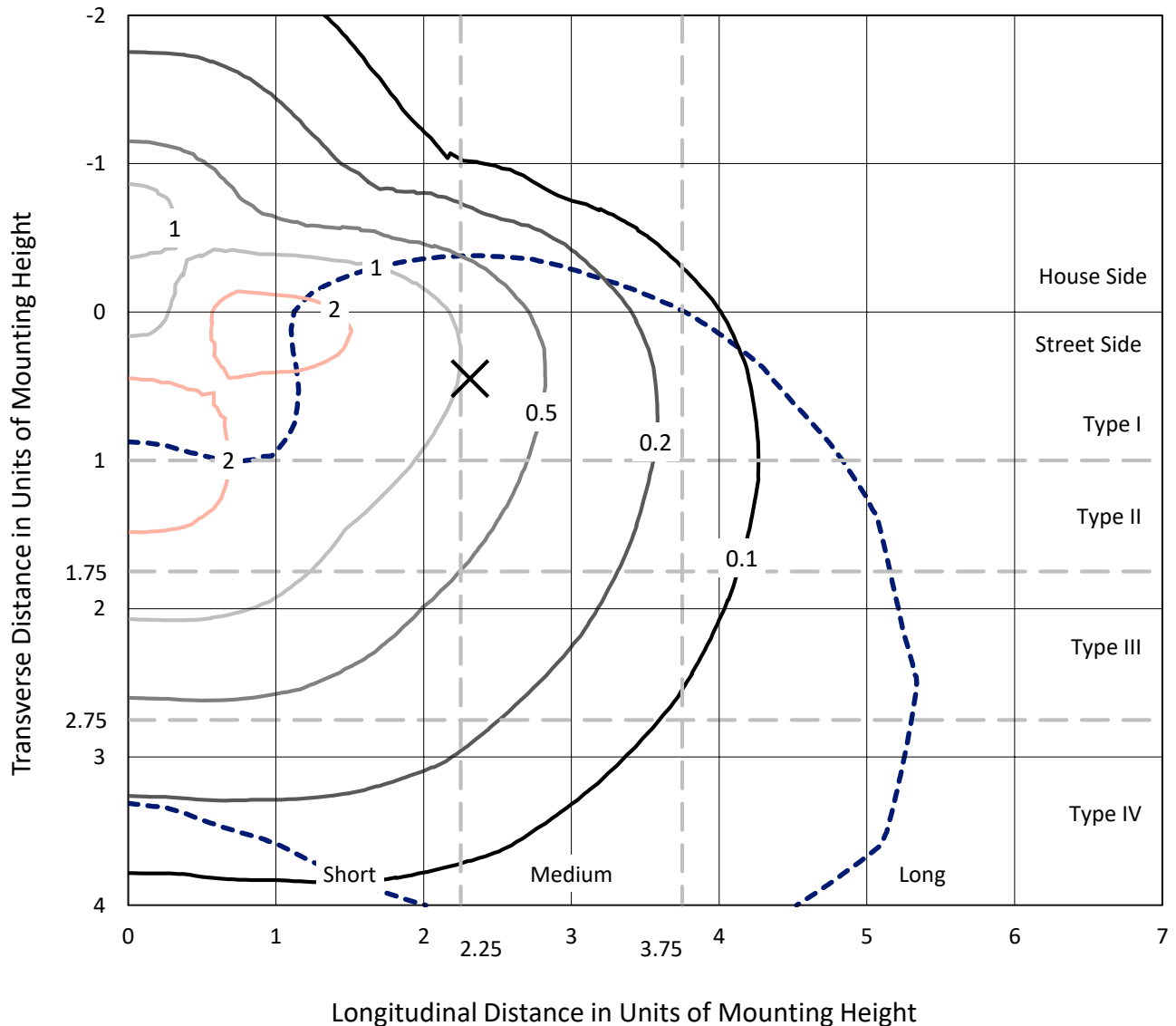


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

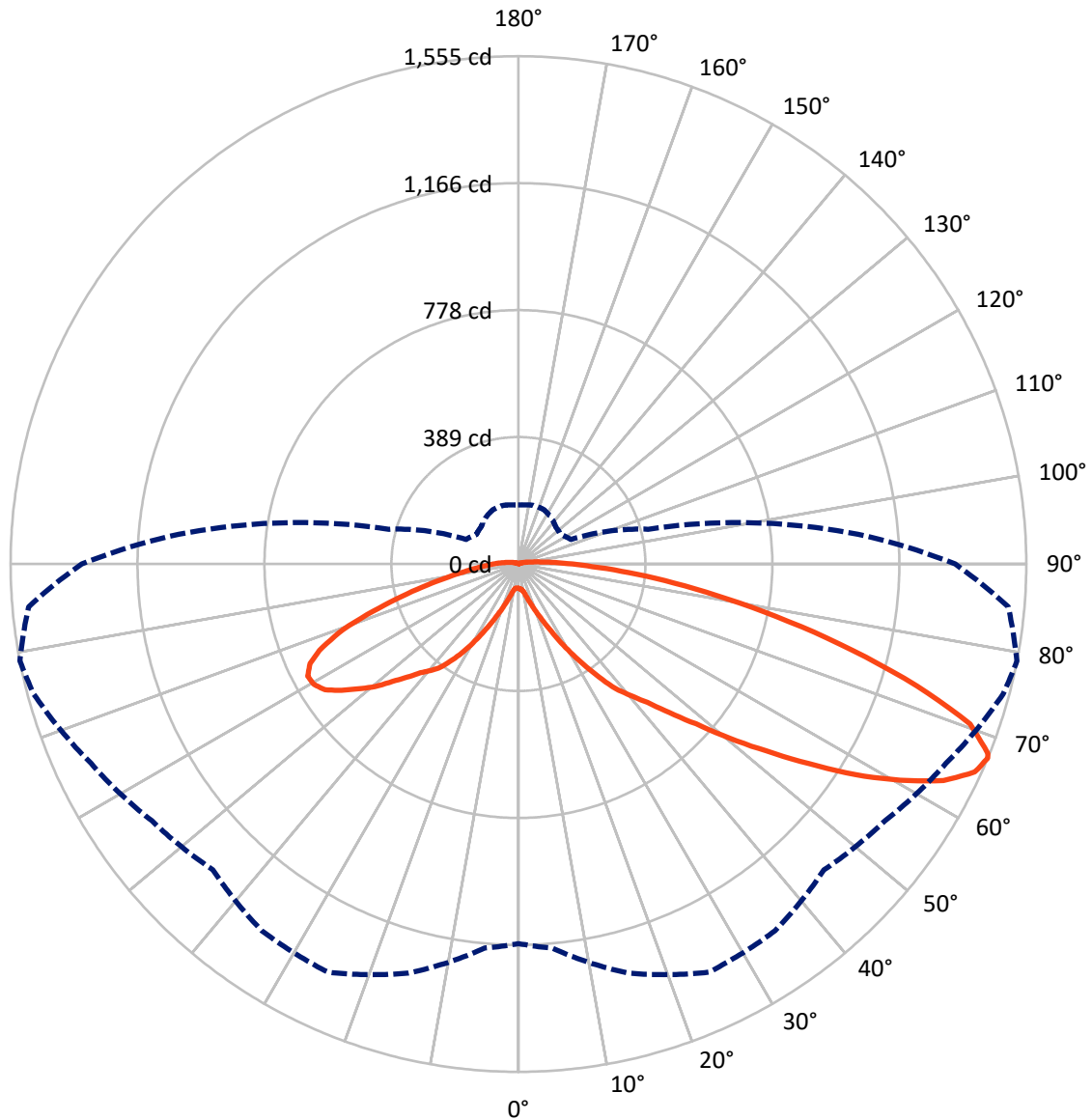


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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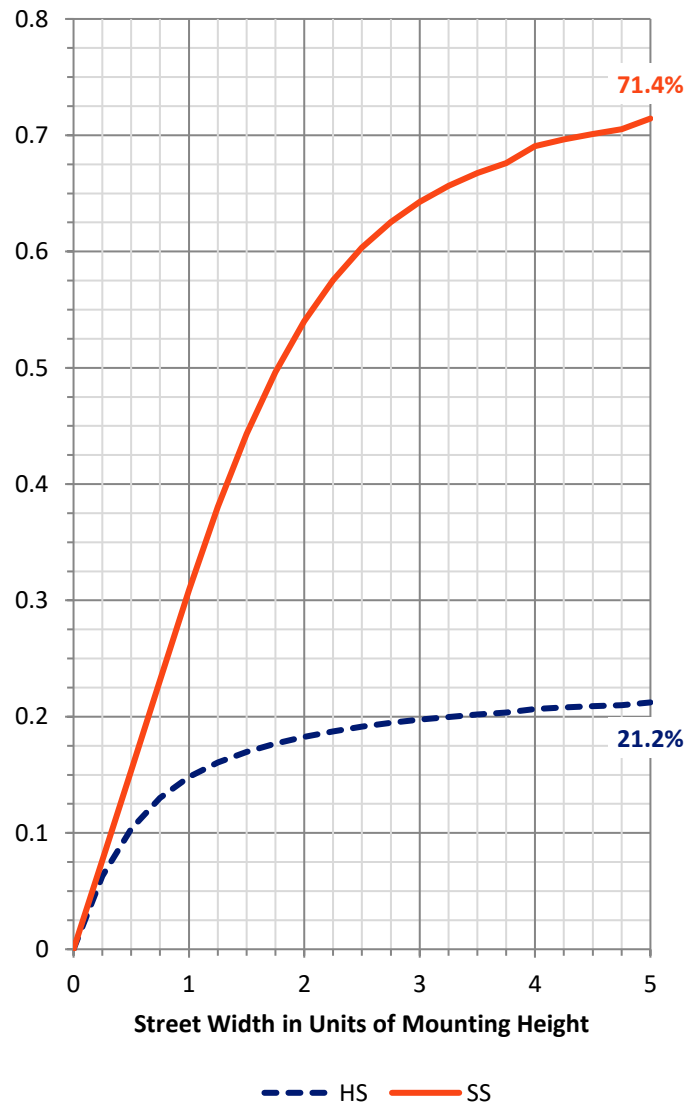
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	691.0	46.6	737.6
	% Fixture	22.3	1.5	23.8
Street Side	Lumens	2296.3	64.6	2360.9
	% Fixture	74.1	2.1	76.2
Total	Lumens	2987.3	111.3	3098.6
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.2
10°-20°	31.8	1.0
20°-30°	91.8	3.0
30°-40°	208.3	6.7
40°-50°	361.9	11.7
50°-60°	579.8	18.7
60°-70°	808.0	26.1
70°-80°	638.2	20.6
80°-90°	259.9	8.4
90°-100°	74.1	2.4
100°-110°	22.1	0.7
110°-120°	8.5	0.3
120°-130°	4.1	0.1
130°-140°	1.9	0.1
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2987.3	96.4
0°-180°	3098.6	100.0



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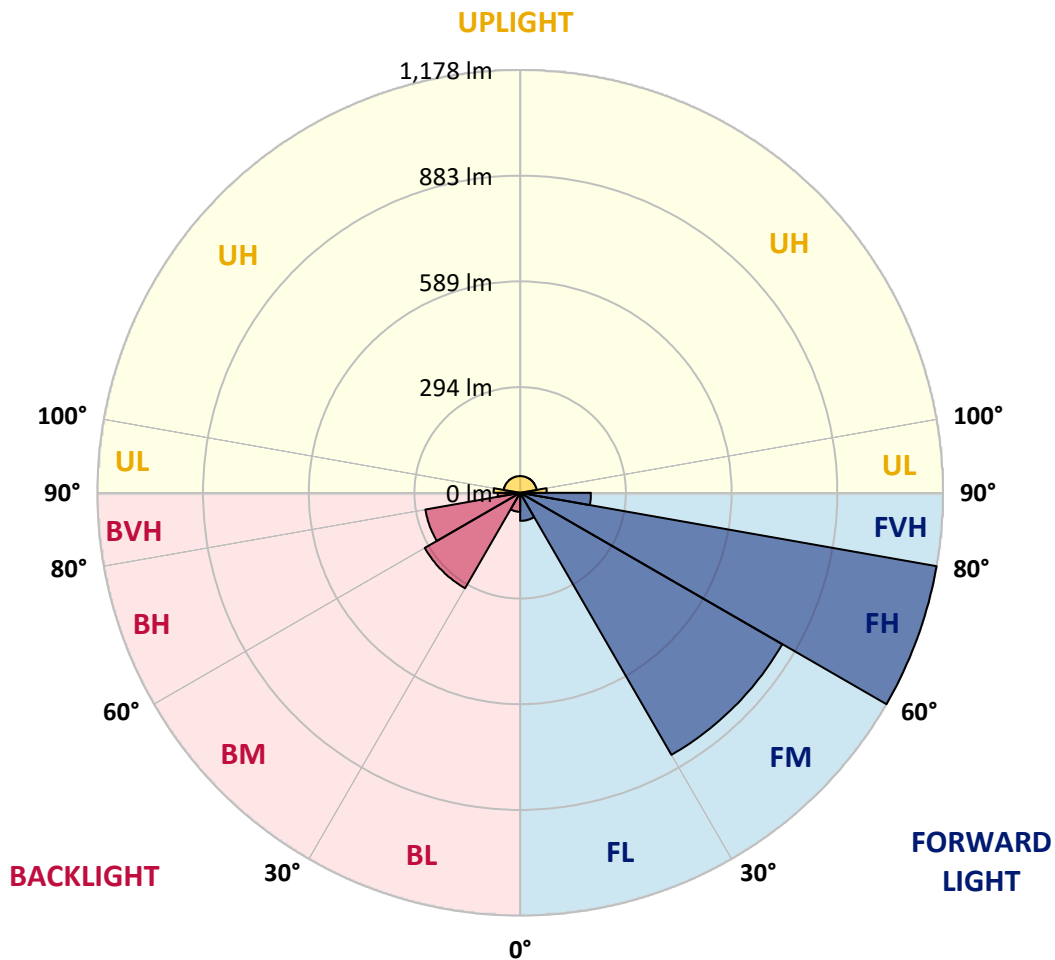
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.2	2.5			
FM (30°-60°)	843.0	27.2			
FH (60°-80°)	1177.9	38.0			G1/1800
FVH (80°-90°)	197.2	6.4			G2/225
BL (0°-30°)	53.0	1.7	B0/110		
BM (30°-60°)	307.0	9.9	B1/1000		
BH (60°-80°)	268.3	8.7	B1/500		G1/500
BVH (80°-90°)	62.8	2.0			G1/100
UL (90°-100°)	74.1	2.4		U3/500	
UH (100°-180°)	46.6	1.5		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°	75°	79°	85°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	79.4	79.4	79.8	79.8	79.8	79.0	77.9	76.8	76.1	75.6	75.0
5°	85.4	85.0	85.4	85.0	85.0	83.5	81.6	79.8	78.2	77.6	76.4
7.5°	94.0	94.0	93.6	92.9	92.1	89.5	86.6	84.2	82.1	80.6	79.4
10°	104.9	105.2	104.5	102.6	100.7	97.4	94.0	91.0	87.6	85.8	84.2
12.5°	121.8	121.8	120.1	116.2	111.7	107.5	103.8	100.7	99.2	97.4	95.9
15°	142.7	142.4	140.1	133.8	127.8	120.6	118.0	116.2	114.9	113.5	111.7
17.5°	167.3	167.0	162.9	154.3	145.0	139.8	135.6	133.8	134.5	133.0	131.4
20°	197.0	196.2	189.9	177.9	168.6	161.3	156.9	155.0	157.4	156.1	155.0
22.5°	234.8	232.9	224.0	206.7	195.9	184.3	180.2	179.4	184.6	184.6	184.6
25°	279.8	277.9	264.4	244.6	225.5	211.2	207.1	211.2	219.8	221.0	223.2
27.5°	331.8	329.6	313.1	285.3	259.9	240.8	237.4	245.8	259.2	264.4	266.7
30°	393.3	391.8	368.2	333.0	296.9	273.0	269.4	284.3	305.3	313.5	319.1
32.5°	465.9	464.1	429.9	388.4	338.2	308.2	305.3	328.1	359.6	367.4	378.7
35°	555.8	554.0	509.0	450.9	384.3	345.7	345.7	375.3	413.9	424.7	438.5
37.5°	646.0	645.7	600.4	523.0	435.2	386.9	387.7	421.7	468.1	485.0	497.7
40°	734.1	734.9	683.2	594.4	492.1	432.2	431.9	466.3	514.6	529.3	541.6
42.5°	814.3	813.9	765.2	670.5	551.3	481.3	474.5	508.3	559.5	579.4	595.9
45°	870.0	874.2	836.7	739.0	610.9	532.2	518.3	555.8	621.3	648.7	670.9
47.5°	939.4	939.7	905.3	803.4	672.0	585.1	572.3	619.5	702.6	731.2	754.3
50°	1015.8	1019.5	992.2	884.4	740.9	644.6	639.7	699.3	798.1	838.2	867.1
52.5°	1080.9	1085.4	1068.5	976.8	824.1	721.0	721.0	796.6	902.7	950.5	978.6
55°	1128.8	1136.4	1140.4	1065.6	918.0	810.4	818.8	903.8	1021.3	1078.7	1112.8
57.5°	1167.1	1177.6	1197.1	1144.6	1010.5	918.0	930.1	1021.0	1164.0	1217.7	1253.6
60°	1223.6	1235.6	1270.8	1229.2	1116.8	1033.7	1049.9	1149.1	1295.2	1343.5	1370.8
62.5°	1229.2	1243.9	1315.1	1321.1	1216.5	1146.9	1182.4	1279.9	1419.2	1461.2	1467.2
65°	1203.4	1222.5	1316.9	1371.5	1322.5	1252.8	1303.0	1392.5	1507.9	1535.6	1520.3
67°	1162.2	1180.5	1296.7	1379.1	1370.4	1323.6	1370.4	1444.3	1536.7	1555.1	1505.7
67.5°	1144.6	1162.2	1285.4	1377.5	1376.4	1336.0	1381.4	1455.5	1538.3	1550.6	1494.7
70°	1031.9	1056.2	1188.0	1329.6	1373.8	1347.2	1400.3	1451.7	1471.9	1467.5	1387.3
72.5°	833.7	856.6	1000.4	1198.6	1299.6	1286.2	1333.4	1342.8	1307.2	1276.4	1167.1
75°	611.7	621.8	754.3	967.5	1133.3	1148.8	1184.3	1163.3	1098.2	1057.3	946.0
77.5°	424.7	434.9	536.7	732.6	913.9	971.2	1006.4	975.6	907.2	844.6	723.3
80°	281.3	286.5	366.3	533.7	716.8	796.6	827.0	795.5	708.6	647.3	532.2
82.5°	171.5	181.7	239.4	374.2	554.3	652.5	674.5	638.2	544.2	480.5	383.5
85°	103.0	108.2	153.2	252.8	407.9	517.7	538.6	491.4	396.3	338.9	257.0
87.5°	63.7	65.9	96.2	163.7	286.2	386.6	408.9	353.2	267.4	225.8	171.9
90°	41.2	43.0	63.3	107.8	189.1	275.4	285.3	240.5	177.9	150.6	116.5
92.5°	27.8	29.2	43.0	71.6	124.3	180.5	188.0	158.8	117.6	100.4	79.4
95°	19.4	20.6	30.4	48.7	80.9	111.2	119.1	103.0	76.8	66.3	54.6
97.5°	15.0	15.8	22.8	35.2	54.6	71.9	75.0	67.0	52.0	45.7	39.7
100°	12.0	12.8	18.0	26.6	39.4	49.0	51.0	46.1	36.7	33.0	29.2
102.5°	10.5	10.5	14.6	21.0	29.6	36.4	36.7	33.0	27.0	24.4	22.5
105°	9.0	9.0	12.0	16.8	23.6	28.1	28.1	24.4	19.8	18.0	17.3
107.5°	7.5	7.8	10.2	13.4	18.7	22.5	21.8	18.0	14.2	13.1	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	6.3	6.8	8.6	11.3	15.4	18.3	17.3	13.8	10.5	9.8	9.8
112.5°	5.6	6.0	7.1	9.8	13.1	15.4	13.8	10.5	7.8	7.5	7.8
115°	5.3	5.3	6.3	8.6	11.3	12.8	11.6	8.6	6.3	6.0	6.3
117.5°	4.5	4.9	5.6	7.5	10.2	10.8	9.8	6.8	4.9	4.9	5.6
120°	4.5	4.5	5.3	6.8	9.0	9.8	8.2	5.6	4.2	4.2	4.9
122.5°	4.2	4.2	4.9	6.3	7.8	8.6	7.1	4.9	3.8	3.8	4.2
125°	4.2	4.2	4.9	6.0	7.1	7.1	6.0	4.2	3.4	3.4	3.8
127.5°	4.5	4.5	4.9	5.6	6.3	6.3	5.3	3.8	2.9	2.9	3.4
130°	4.5	4.5	4.5	5.3	5.6	5.3	4.5	3.4	2.9	2.9	3.4
132.5°	4.5	4.5	4.5	4.5	4.9	4.5	3.8	2.6	2.6	2.6	2.9
135°	4.2	4.2	3.8	4.2	4.2	3.4	2.6	1.8	2.3	2.3	2.6
137.5°	3.4	3.4	3.4	3.4	2.9	2.6	1.8	1.5	1.8	2.3	2.3
140°	2.9	2.9	2.6	2.6	2.3	1.8	1.1	1.5	1.8	1.8	1.8
142.5°	2.3	2.3	2.3	1.8	1.5	1.1	0.8	1.1	1.5	1.5	1.8
145°	1.5	1.5	1.5	1.1	0.8	0.3	0.8	0.8	1.1	1.5	1.5
147.5°	0.8	0.8	0.8	0.3	0.3	0.3	0.3	0.8	1.1	1.1	1.1
150°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.8	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	74.6	74.2	72.9	72.3	71.6	71.1	70.8	70.8	70.4	70.0	70.0
5°	75.6	75.0	72.9	71.6	70.4	69.7	69.0	68.5	67.7	67.4	67.4
7.5°	77.9	76.8	74.6	71.9	70.0	69.0	68.2	67.4	66.6	66.6	66.6
10°	82.4	80.9	77.6	74.2	71.1	69.7	69.0	68.2	68.2	67.7	67.7
12.5°	93.6	91.3	85.8	79.8	74.6	72.3	71.6	73.4	75.6	76.1	77.1
15°	109.0	106.7	99.7	91.0	82.4	77.6	80.2	83.5	87.3	90.2	90.2
17.5°	128.1	125.4	115.7	103.8	93.3	90.2	91.0	95.9	101.2	103.8	104.2
20°	151.7	147.9	134.5	118.0	106.4	101.8	103.0	107.8	115.4	119.1	119.8
22.5°	181.3	175.7	157.7	134.5	120.1	114.2	115.4	121.4	131.4	136.7	138.5
25°	218.7	211.6	184.3	154.3	134.1	125.1	128.5	137.8	150.6	158.4	158.1
27.5°	261.7	250.5	216.5	175.0	147.9	135.6	140.8	153.9	169.3	178.3	179.4
30°	313.5	299.0	251.8	196.6	159.9	145.0	151.7	168.2	185.4	197.4	198.6
32.5°	370.8	353.6	287.7	218.4	169.7	152.1	159.5	180.2	200.1	214.2	214.5
35°	429.6	407.5	321.8	237.1	177.9	157.7	165.5	189.1	212.4	228.9	230.0
37.5°	485.7	460.0	353.2	249.4	183.1	160.7	169.0	196.6	222.9	240.5	241.6
40°	528.2	496.2	372.7	253.6	184.3	162.1	171.9	199.6	222.9	236.3	237.1
42.5°	581.3	539.3	386.9	249.4	181.3	162.1	173.0	195.9	213.8	222.9	222.9
45°	652.5	600.8	408.6	244.6	175.3	161.0	170.0	187.6	199.6	204.1	204.1
47.5°	737.5	670.1	430.7	241.3	170.8	158.4	165.5	177.5	183.9	184.3	183.5
50°	845.0	757.7	458.1	236.3	168.2	155.8	161.3	169.3	173.0	171.5	170.8
52.5°	947.6	835.7	477.6	230.3	166.6	154.7	159.2	166.0	167.0	162.6	161.3
55°	1070.0	926.9	491.0	220.6	165.2	155.4	159.2	164.8	164.0	158.1	156.9
57.5°	1192.1	1012.8	503.0	212.0	163.7	156.6	160.7	165.5	164.0	158.4	157.4
60°	1285.8	1071.7	496.2	203.0	162.1	158.4	163.4	168.2	168.2	163.7	163.4
62.5°	1359.1	1106.8	480.2	193.6	161.0	159.9	166.6	173.8	175.3	171.9	171.5
65°	1375.7	1092.6	449.0	184.6	159.5	161.0	171.2	180.2	181.3	177.9	177.5
67°	1337.2	1043.9	411.0	177.1	157.4	161.3	174.2	183.9	185.4	182.0	181.0
67.5°	1320.3	1024.8	401.1	175.3	156.6	161.3	174.5	184.3	186.2	182.8	181.7
70°	1191.0	911.2	349.1	164.8	151.7	159.5	175.3	187.0	188.0	183.9	182.4
72.5°	986.9	734.9	288.8	154.7	145.8	154.7	172.6	184.9	184.6	178.6	177.5
75°	782.4	576.1	232.6	143.1	137.4	147.2	165.5	176.5	174.2	167.0	165.5
77.5°	594.4	430.7	189.1	131.4	128.1	137.4	153.5	161.3	156.9	150.2	148.7
80°	423.6	310.1	153.9	120.6	118.0	126.2	138.5	142.7	139.8	133.3	131.4
82.5°	296.3	222.9	128.1	109.7	108.2	114.6	122.5	126.6	125.1	119.5	118.0
85°	204.9	155.8	107.8	98.9	98.2	102.6	107.5	110.2	111.2	108.2	106.4
87.5°	137.8	114.6	91.8	86.9	87.3	90.6	94.0	96.5	100.0	99.7	97.8
90°	98.6	85.8	76.8	74.6	75.3	79.0	80.6	82.1	86.1	86.1	85.0
92.5°	70.4	65.1	62.2	61.4	63.0	65.9	66.6	67.0	70.0	70.4	68.2
95°	50.1	47.5	48.7	49.5	51.0	53.5	53.2	52.0	53.5	53.5	51.7
97.5°	37.0	36.4	38.6	39.4	40.4	42.7	41.6	39.7	40.9	39.4	38.2
100°	28.5	28.5	31.1	31.4	32.2	33.4	33.0	31.4	31.8	29.9	29.2
102.5°	22.5	22.8	24.7	25.1	25.9	27.0	26.2	25.4	24.7	22.5	22.5
105°	17.6	18.0	19.4	19.8	20.6	21.8	21.3	20.2	19.1	17.3	17.3
107.5°	13.4	14.2	15.4	15.8	16.5	17.6	17.3	15.8	14.2	13.1	13.1



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.5	11.3	12.3	12.8	13.1	14.2	13.4	12.0	10.8	10.2	10.2
112.5°	8.6	9.0	10.2	10.5	10.8	11.6	10.8	9.4	8.2	7.8	7.8
115°	7.1	7.5	8.2	8.6	9.4	9.4	8.6	7.1	6.3	6.3	6.3
117.5°	6.0	6.3	7.1	7.5	7.5	7.8	6.8	5.6	4.9	5.3	5.3
120°	5.3	5.3	6.0	6.0	6.3	6.3	5.6	4.5	3.8	4.2	4.5
122.5°	4.5	4.5	4.9	5.3	5.3	5.3	4.5	3.8	2.9	3.4	3.8
125°	3.8	4.2	4.2	4.5	4.5	4.5	3.8	2.9	2.6	2.9	2.9
127.5°	3.8	3.8	3.8	3.8	3.8	3.8	2.9	2.3	2.3	2.6	2.6
130°	3.4	3.4	3.4	3.4	2.9	2.6	2.3	1.5	1.8	2.3	2.3
132.5°	2.9	2.9	2.9	2.6	2.3	1.8	1.5	1.1	1.1	1.8	1.8
135°	2.6	2.6	2.3	1.8	1.5	1.1	0.8	0.8	0.8	1.5	1.5
137.5°	2.3	2.3	1.8	1.5	1.1	0.8	0.3	0.0	0.3	0.8	0.8
140°	2.3	2.3	1.8	1.1	0.8	0.3	0.0	0.0	0.0	0.3	0.3
142.5°	1.8	1.8	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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)