

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: P255121

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3318.4 lumens
Efficiency: N/A
Efficacy: 107.0 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

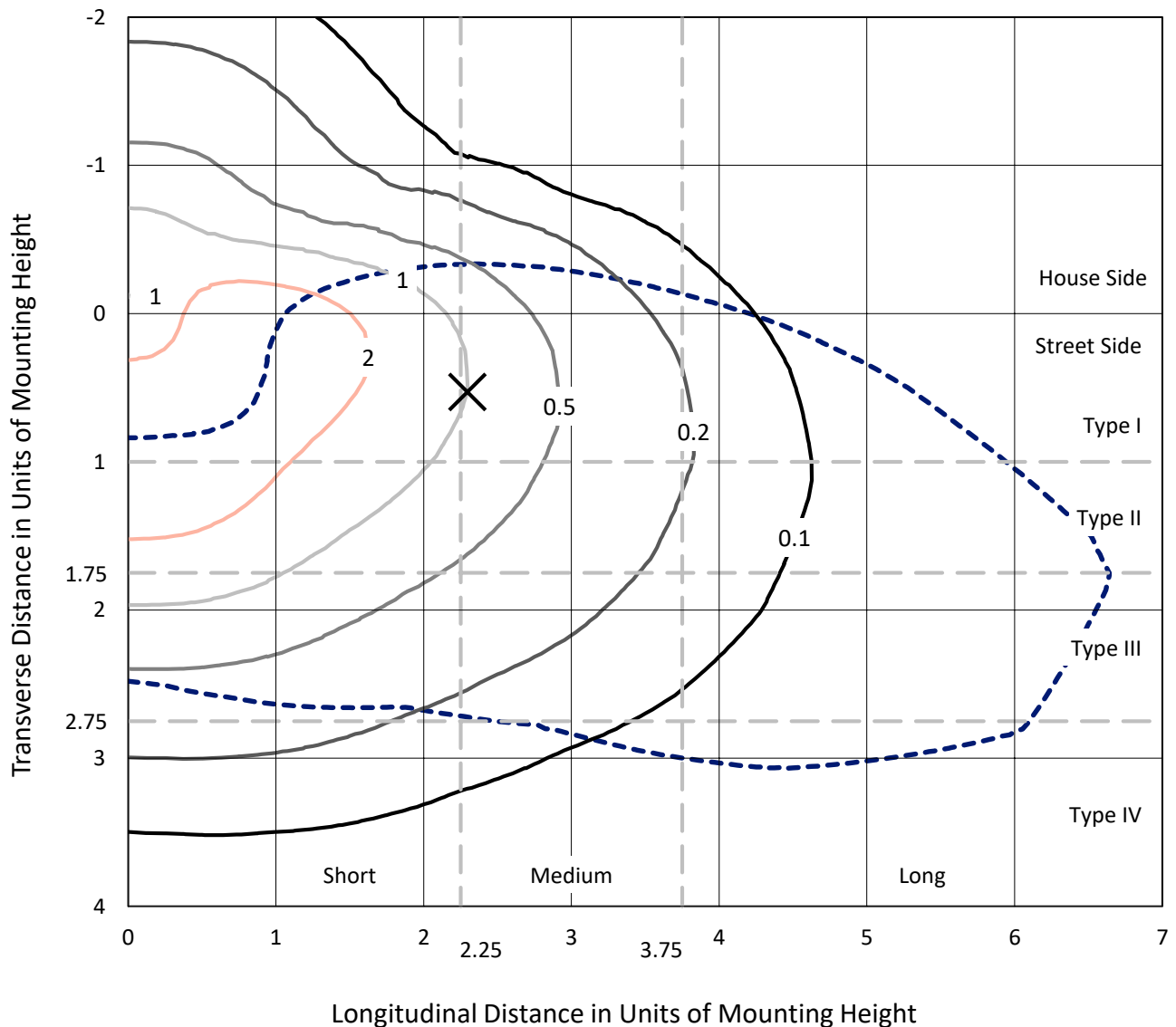
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

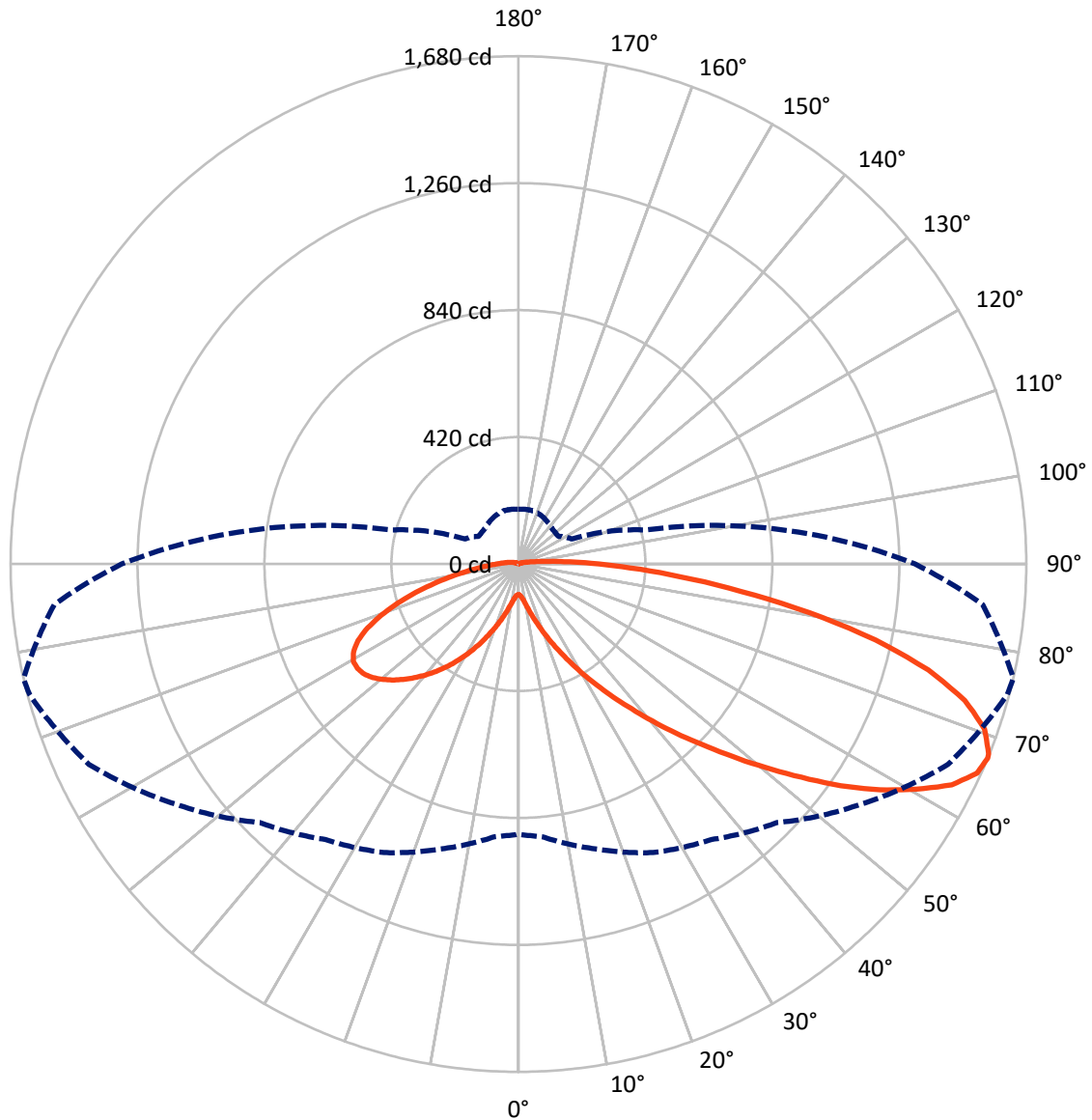


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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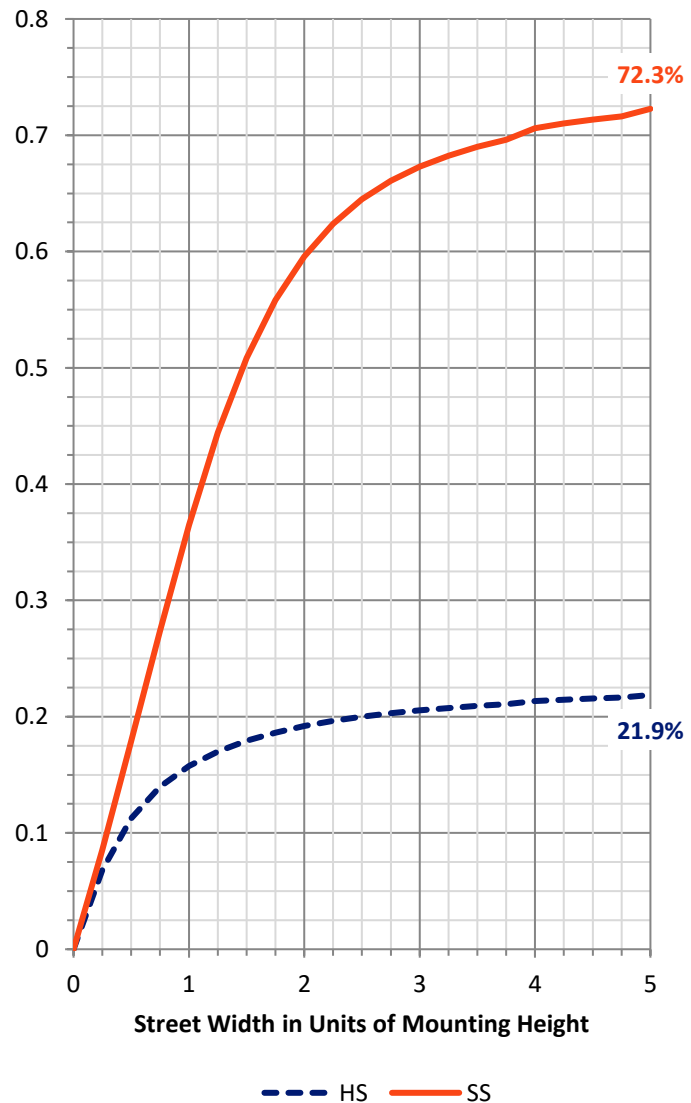
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	757.8	45.7	803.5
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	2460.4	54.5	2514.9
	% Fixture	74.1	1.6	75.8
Total	Lumens	3218.1	100.3	3318.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.3
10°-20°	49.1	1.5
20°-30°	129.1	3.9
30°-40°	263.8	8.0
40°-50°	457.3	13.8
50°-60°	678.3	20.4
60°-70°	787.2	23.7
70°-80°	594.6	17.9
80°-90°	247.8	7.5
90°-100°	65.7	2.0
100°-110°	21.3	0.6
110°-120°	8.5	0.3
120°-130°	3.2	0.1
130°-140°	1.2	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3218.1	97.0
0°-180°	3318.4	100.0



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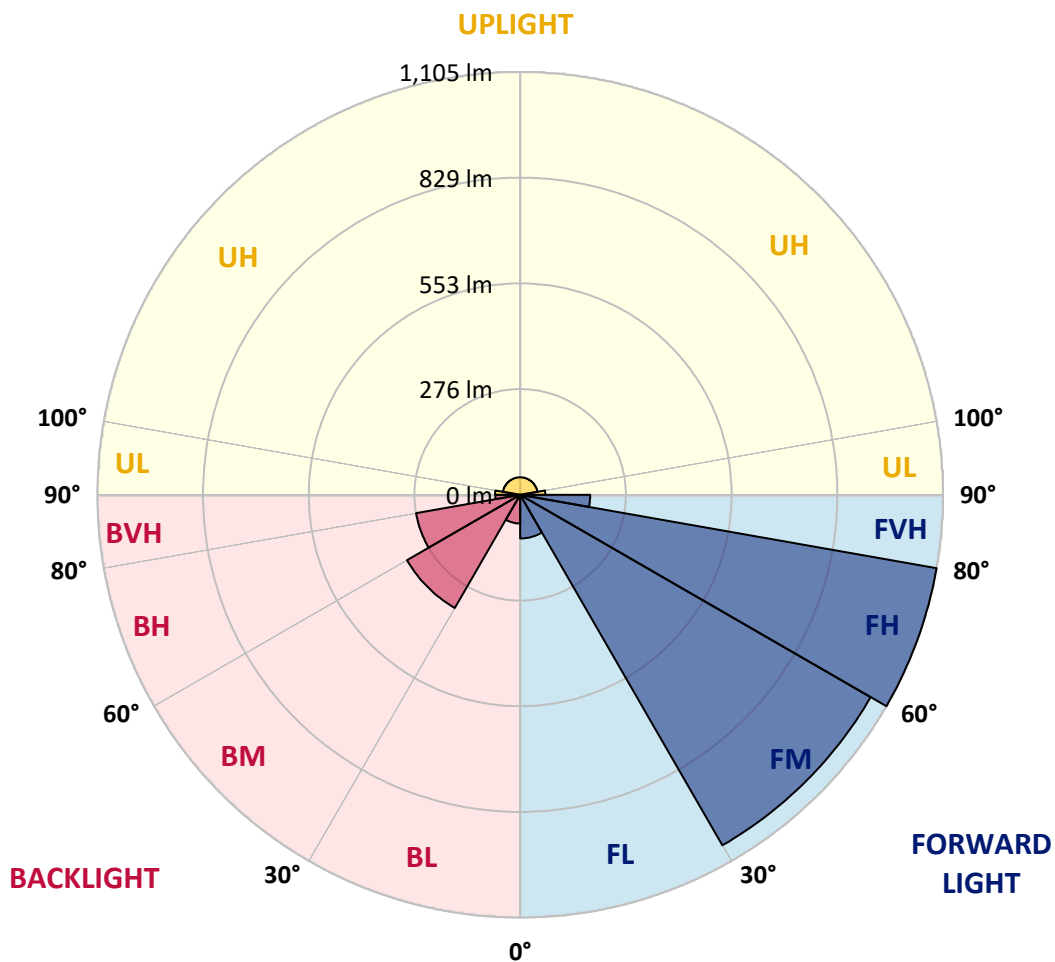
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.1	3.4			
FM (30°-60°)	1057.8	31.9			
FH (60°-80°)	1105.5	33.3			G1/1800
FVH (80°-90°)	183.0	5.5			G2/225
BL (0°-30°)	75.0	2.3	B0/110		
BM (30°-60°)	341.6	10.3	B1/1000		
BH (60°-80°)	276.3	8.3	B1/500		G1/500
BVH (80°-90°)	64.8	2.0			G1/100
UL (90°-100°)	65.7	2.0		U3/500	
UH (100°-180°)	45.7	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°	75°	77°	85°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	106.6	106.6	107.3	107.0	107.0	106.2	105.8	104.5	103.8	103.8	103.4
5°	114.5	114.5	114.9	115.3	114.5	114.1	112.9	111.3	110.2	110.2	109.4
7.5°	126.3	126.3	125.9	126.3	125.9	125.2	123.6	122.9	120.4	120.8	119.7
10°	143.4	143.4	142.6	143.4	141.5	140.7	139.4	138.3	135.4	136.3	134.3
12.5°	167.6	167.6	166.7	165.6	162.9	161.2	160.4	159.7	157.2	157.6	155.3
15°	196.5	196.1	195.3	193.7	189.3	187.4	185.4	184.2	182.2	183.0	180.7
17.5°	230.6	229.8	227.0	224.6	220.2	217.1	214.3	213.1	210.7	211.1	208.0
20°	269.8	269.0	265.5	261.9	255.5	251.1	248.4	245.6	243.3	245.6	239.7
22.5°	316.1	316.9	309.4	303.8	294.3	288.8	285.2	282.8	280.5	282.4	275.7
25°	369.2	368.8	360.5	353.3	339.9	330.4	325.2	323.7	322.4	324.1	319.3
27.5°	430.3	428.6	419.5	404.5	389.4	374.8	368.1	369.2	368.8	370.0	365.3
30°	498.0	497.2	484.5	463.1	443.2	423.5	417.2	416.8	420.3	422.7	413.2
32.5°	572.9	573.7	556.6	528.9	499.5	477.7	471.8	472.6	477.4	477.0	469.8
35°	655.6	655.6	637.8	602.9	564.2	536.0	529.3	536.7	539.6	540.3	529.7
37.5°	744.0	742.8	726.2	681.0	636.6	599.8	587.9	597.4	608.0	606.9	595.8
40°	838.6	835.4	813.7	763.4	709.5	665.1	651.6	666.4	681.8	682.6	669.1
42.5°	928.9	926.2	903.6	849.8	785.2	739.6	724.6	740.8	763.0	765.0	740.8
45°	1013.7	1013.3	992.8	937.3	866.7	814.1	799.0	820.4	851.3	851.3	825.9
47.5°	1093.7	1089.0	1075.5	1020.1	953.5	891.3	876.7	906.4	949.2	950.3	920.7
50°	1155.2	1152.0	1145.3	1095.0	1027.2	971.0	957.5	1001.9	1051.8	1056.1	1019.7
52.5°	1197.6	1194.4	1199.5	1160.3	1099.4	1049.4	1044.6	1099.7	1164.7	1171.8	1128.2
55°	1214.2	1215.4	1232.0	1206.3	1158.0	1118.3	1135.4	1203.5	1280.3	1294.2	1237.2
57.5°	1205.9	1209.4	1238.8	1233.3	1199.5	1173.8	1218.5	1304.2	1396.4	1409.5	1344.2
60°	1162.3	1169.8	1213.0	1227.6	1215.0	1223.3	1292.3	1405.9	1506.6	1512.5	1446.8
62.5°	1091.4	1099.7	1156.3	1194.4	1202.7	1241.1	1346.1	1491.5	1598.1	1608.4	1512.5
65°	990.7	1002.7	1065.6	1131.8	1165.0	1235.6	1381.4	1547.0	1656.3	1667.0	1545.8
67°	893.3	905.2	975.0	1052.9	1112.4	1209.4	1384.2	1567.6	1673.3	1679.7	1541.4
67.5°	866.7	879.0	948.8	1030.4	1095.8	1199.1	1381.8	1569.5	1673.3	1677.3	1535.4
70°	721.8	738.1	808.9	902.9	989.2	1127.8	1346.9	1544.6	1643.7	1636.1	1463.0
72.5°	570.8	585.9	655.2	754.6	853.8	1020.1	1268.5	1470.9	1553.4	1544.2	1343.7
75°	426.7	439.4	505.8	602.5	707.6	878.7	1145.7	1351.3	1409.5	1400.0	1179.0
77.5°	305.5	315.7	373.2	461.9	558.9	724.6	980.5	1181.7	1218.1	1207.1	978.9
80°	209.9	222.3	263.4	342.7	425.9	566.9	790.7	962.6	988.0	976.5	765.0
82.5°	138.6	145.4	181.9	246.0	315.4	429.8	604.6	746.8	768.5	740.8	567.3
85°	90.3	91.9	119.7	169.2	227.4	312.2	443.2	548.7	558.5	538.0	403.7
87.5°	55.4	57.8	77.2	110.9	156.9	219.8	313.3	383.5	385.0	368.5	272.5
90°	35.7	37.2	49.5	72.1	106.6	149.8	211.1	254.7	253.5	240.5	173.9
92.5°	24.6	25.4	34.5	49.5	69.4	98.6	135.4	160.8	158.5	150.9	109.8
95°	17.8	18.6	25.4	36.0	48.3	65.0	84.4	97.5	94.7	89.9	68.9
97.5°	13.1	13.9	19.4	27.3	36.0	44.8	54.3	58.2	57.5	55.0	45.9
100°	9.9	10.7	15.0	21.4	28.1	33.2	38.1	38.5	37.2	36.4	33.2
102.5°	8.3	8.7	12.3	17.8	23.0	26.5	28.5	28.1	26.5	26.2	24.6
105°	7.2	7.6	10.7	15.0	19.0	22.2	23.0	21.8	19.8	19.4	18.6
107.5°	6.3	6.3	9.1	13.1	16.7	18.6	19.0	17.1	14.6	14.2	13.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	5.5	5.5	7.9	11.0	14.2	15.9	15.9	13.5	10.3	9.9	10.3
112.5°	4.7	5.1	6.8	9.5	12.3	13.5	13.1	10.7	7.6	7.2	7.6
115°	4.4	4.4	5.9	8.3	10.3	11.5	10.7	7.9	5.5	5.1	5.5
117.5°	4.0	4.0	5.1	7.2	8.7	9.5	8.7	6.3	4.0	4.0	4.4
120°	3.6	3.6	4.4	5.9	7.6	7.9	6.8	4.7	3.2	3.2	3.6
122.5°	3.2	3.2	4.0	5.1	6.3	6.3	5.5	3.6	2.4	2.4	2.8
125°	2.8	3.2	3.6	4.4	5.1	5.1	4.4	2.8	1.9	2.4	2.8
127.5°	2.8	2.8	3.2	3.6	4.4	4.4	3.6	1.9	1.9	1.9	2.4
130°	2.4	2.4	2.8	3.2	3.6	3.6	2.8	1.5	1.9	1.9	2.4
132.5°	2.4	2.4	2.4	2.8	2.8	2.8	1.9	1.5	1.5	1.9	1.9
135°	1.9	1.9	1.9	2.4	2.4	1.9	1.2	1.2	1.5	1.5	1.9
137.5°	1.5	1.5	1.9	1.5	1.5	1.5	1.2	1.2	1.5	1.5	1.5
140°	1.5	1.5	1.5	1.2	1.2	0.8	0.8	1.2	1.2	1.5	1.5
142.5°	0.8	1.2	1.2	0.8	0.8	0.4	0.8	0.8	1.2	1.2	1.2
145°	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.8	0.8	1.2	1.2
147.5°	0.0	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.8	0.8	0.8
150°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	103.0	102.6	101.4	100.7	100.2	99.8	99.4	99.0	99.0	99.0	99.0
5°	108.5	108.1	106.2	104.5	103.4	102.2	101.4	100.7	100.2	99.8	99.4
7.5°	118.5	117.2	114.9	112.1	109.4	107.0	105.4	104.5	103.4	103.0	102.6
10°	133.1	132.0	127.6	122.9	118.5	114.9	112.1	110.5	109.8	108.9	108.9
12.5°	153.3	152.5	145.0	139.0	130.7	125.2	122.0	120.8	120.4	119.7	120.0
15°	177.5	175.8	166.0	156.9	145.8	139.0	134.3	132.3	131.6	130.3	130.7
17.5°	205.2	200.1	188.5	174.7	161.2	152.9	146.6	143.0	141.8	141.1	141.5
20°	235.7	230.6	213.1	193.3	177.1	166.4	157.6	153.3	151.7	151.7	151.7
22.5°	271.0	264.2	240.1	213.5	192.1	177.1	167.2	162.9	161.2	161.2	161.6
25°	311.4	300.2	269.3	234.9	206.4	186.2	175.8	171.1	169.9	169.9	170.3
27.5°	355.4	340.3	299.5	254.3	216.7	192.5	181.5	177.5	176.7	176.7	177.1
30°	403.2	383.5	330.4	271.8	224.6	196.5	184.6	181.5	181.1	181.5	181.5
32.5°	454.0	431.4	360.9	286.4	229.8	198.5	186.6	184.6	184.2	185.1	184.2
35°	509.0	478.9	391.4	298.3	232.9	198.9	187.4	186.2	186.2	185.8	185.4
37.5°	568.5	528.5	419.5	307.0	232.9	198.0	187.0	186.6	186.6	185.8	185.1
40°	636.6	582.4	445.7	312.2	230.6	195.7	186.2	186.2	185.8	184.2	183.4
42.5°	702.8	638.2	470.7	312.9	226.6	192.5	185.1	185.8	185.1	181.9	181.1
45°	776.4	698.8	492.9	311.8	221.1	189.3	183.8	185.4	183.8	179.8	179.0
47.5°	862.0	764.1	512.2	307.0	213.9	185.8	182.2	184.2	183.4	178.7	177.9
50°	950.0	829.5	527.6	300.2	206.8	182.6	181.1	183.8	183.0	177.9	177.1
52.5°	1041.9	897.3	538.8	289.6	199.3	179.4	179.8	183.4	183.4	178.3	177.5
55°	1133.0	958.7	543.9	276.1	191.3	176.7	178.7	183.4	184.6	179.4	178.7
57.5°	1217.0	1008.2	541.1	260.6	183.8	173.5	177.9	183.0	185.4	180.7	179.8
60°	1287.1	1051.8	529.3	244.1	177.5	170.7	176.7	183.0	185.8	182.2	181.5
62.5°	1329.8	1067.2	505.1	226.2	171.1	167.6	174.7	182.2	185.4	182.6	181.9
65°	1338.2	1055.4	470.7	209.2	165.2	164.0	171.5	179.8	184.2	182.6	181.5
67°	1312.0	1020.1	434.5	195.7	160.1	160.4	168.8	177.5	182.6	182.2	180.7
67.5°	1300.6	1007.0	425.4	192.1	159.3	159.3	168.0	176.7	182.2	181.9	180.7
70°	1223.8	928.5	373.2	175.5	152.9	154.1	162.9	172.7	178.7	179.0	178.3
72.5°	1101.3	818.9	320.5	159.7	145.8	147.4	156.1	166.0	172.7	173.5	172.4
75°	940.1	689.7	268.2	145.4	137.9	139.0	147.7	157.2	164.4	165.6	164.4
77.5°	777.2	551.9	219.1	132.0	128.4	130.3	137.9	146.6	153.3	154.1	153.3
80°	594.6	418.7	174.7	119.3	118.0	120.0	126.3	133.9	139.8	140.7	139.8
82.5°	436.6	307.0	138.3	106.6	106.2	108.1	113.3	120.4	125.2	125.6	124.4
85°	311.4	216.7	110.2	92.7	93.5	94.3	99.0	104.5	108.5	108.9	106.6
87.5°	208.8	147.7	85.9	79.6	80.4	80.4	83.2	88.0	90.7	90.3	88.4
90°	136.3	100.7	69.4	67.7	68.1	68.1	69.4	72.5	74.9	73.7	72.5
92.5°	88.0	70.5	57.1	57.8	57.8	57.1	57.5	59.8	61.0	59.8	59.0
95°	59.8	51.9	47.6	48.7	49.1	47.6	47.6	48.7	49.5	48.0	46.7
97.5°	43.2	40.0	39.2	41.2	40.8	39.6	38.9	39.2	39.6	37.6	36.8
100°	32.5	31.7	32.1	34.5	34.1	32.8	32.1	31.7	31.3	29.4	28.9
102.5°	25.4	25.0	26.5	28.5	28.1	26.9	26.2	25.8	25.0	22.6	22.6
105°	19.4	19.8	21.8	23.7	23.3	22.6	21.8	21.0	19.4	17.4	17.4
107.5°	14.6	15.4	17.8	19.8	19.4	18.6	17.8	17.1	15.0	13.5	13.5



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.0	11.9	14.2	16.3	15.9	15.4	14.6	13.5	11.5	10.3	9.9
112.5°	8.3	9.1	11.5	13.1	13.1	12.7	11.9	10.7	8.7	7.9	7.6
115°	6.3	7.2	9.1	10.3	10.3	9.9	9.5	8.3	6.3	5.9	5.9
117.5°	5.1	5.5	7.2	8.3	8.3	7.9	7.6	6.3	4.7	4.7	4.7
120°	4.0	4.4	5.5	6.3	6.3	5.9	5.5	4.7	3.6	3.6	3.6
122.5°	3.6	3.6	4.4	5.1	4.7	4.7	4.4	3.6	2.8	2.8	2.8
125°	2.8	3.2	3.6	4.0	3.6	3.6	3.2	2.8	2.4	2.4	2.4
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.4	1.9	1.5	1.9	1.9
130°	2.4	2.4	2.4	2.4	1.9	1.9	1.5	1.2	1.2	1.5	1.5
132.5°	2.4	2.4	2.4	1.9	1.5	1.2	1.2	0.8	1.2	1.2	1.2
135°	1.9	1.9	1.9	1.5	1.2	0.8	0.4	0.4	0.8	0.8	0.8
137.5°	1.9	1.9	1.5	1.5	1.2	0.4	0.0	0.4	0.4	0.4	0.4
140°	1.5	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.4	0.4	0.0
142.5°	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.4	0.0	0.0
145°	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.4	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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	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)