

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: P255229

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3179.3 lumens
Efficiency: N/A
Efficacy: 102.6 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

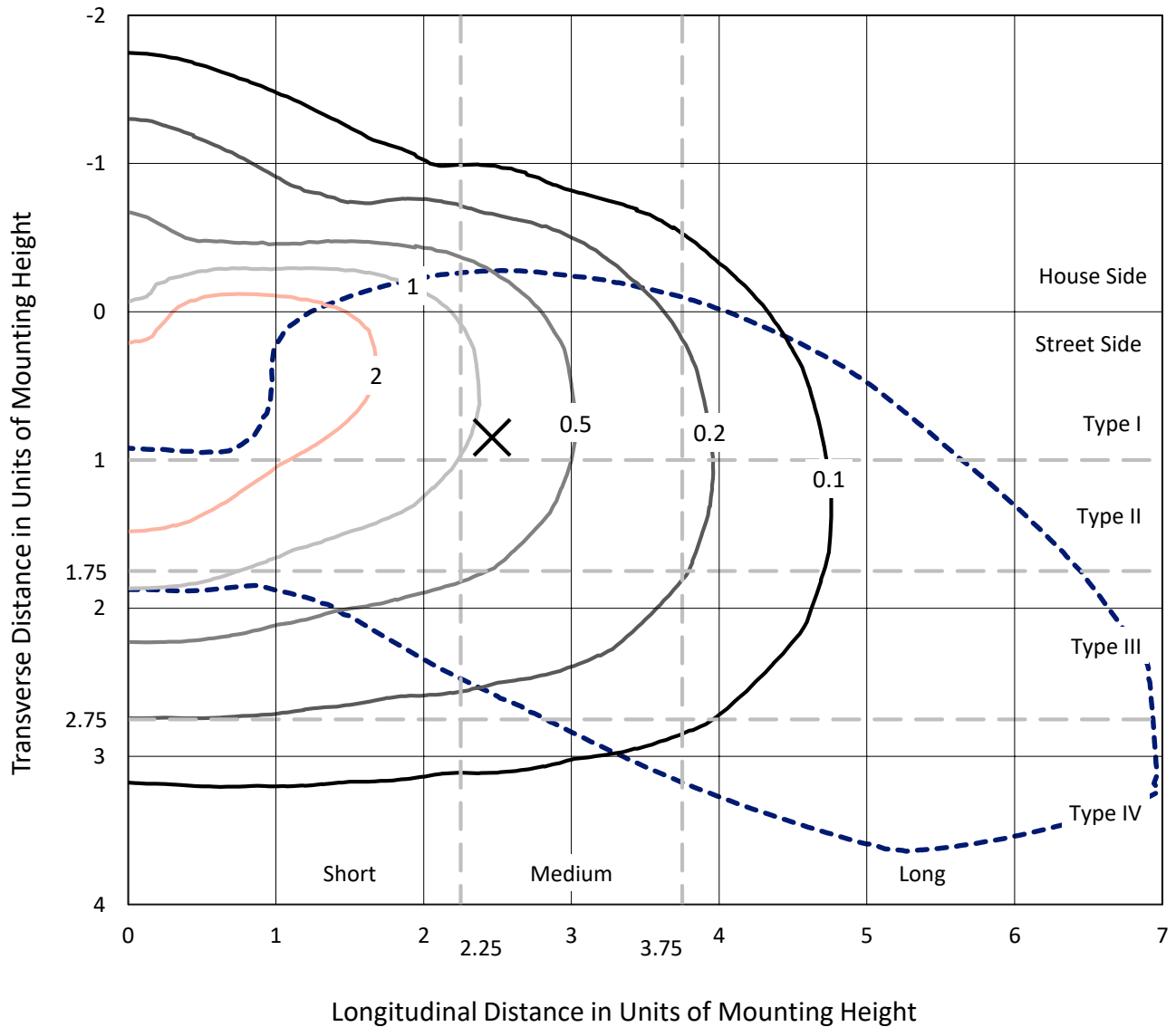
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

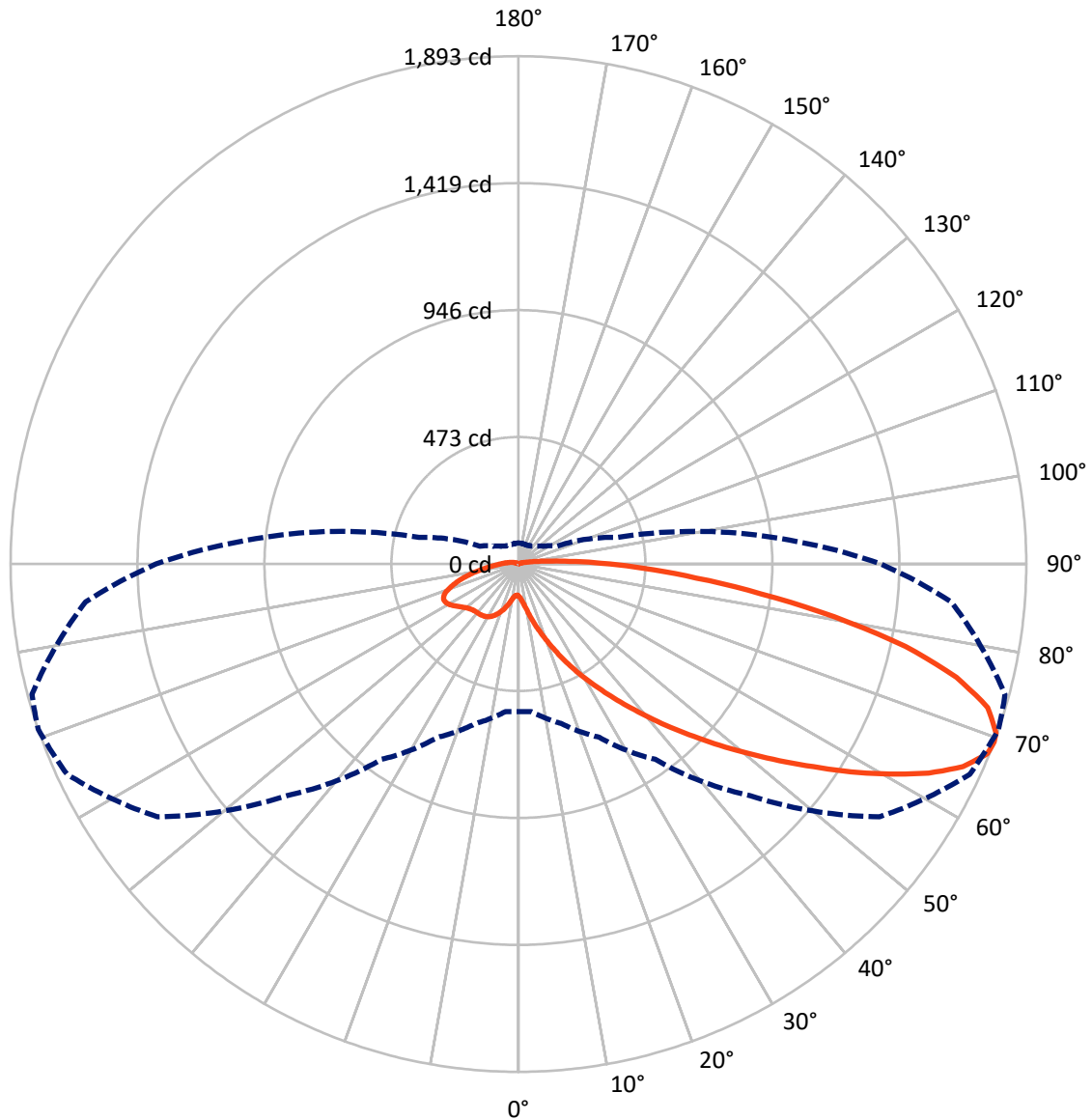
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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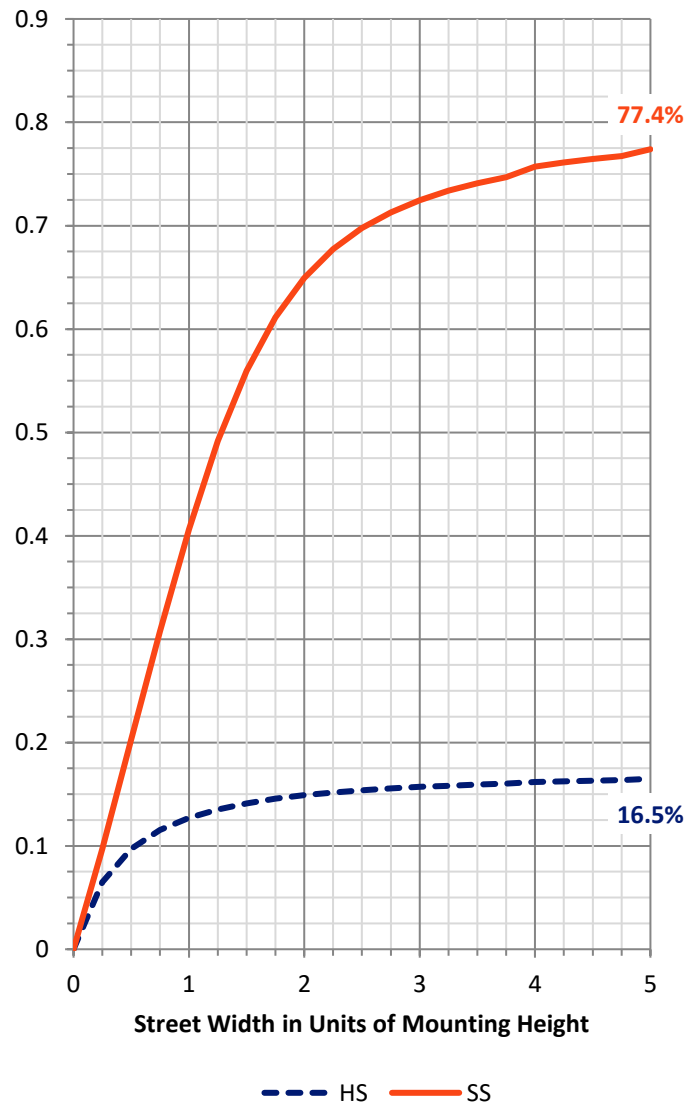
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.2	40.6	586.8
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	2529.7	62.8	2592.5
	% Fixture	79.6	2.0	81.5
Total	Lumens	3075.9	103.4	3179.3
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.4
10°-20°	51.8	1.6
20°-30°	125.1	3.9
30°-40°	243.5	7.7
40°-50°	416.7	13.1
50°-60°	621.8	19.6
60°-70°	747.7	23.5
70°-80°	598.3	18.8
80°-90°	258.6	8.1
90°-100°	69.5	2.2
100°-110°	21.3	0.7
110°-120°	8.1	0.3
120°-130°	3.0	0.1
130°-140°	1.1	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°	3075.9	96.7
0°-180°	3179.3	100.0



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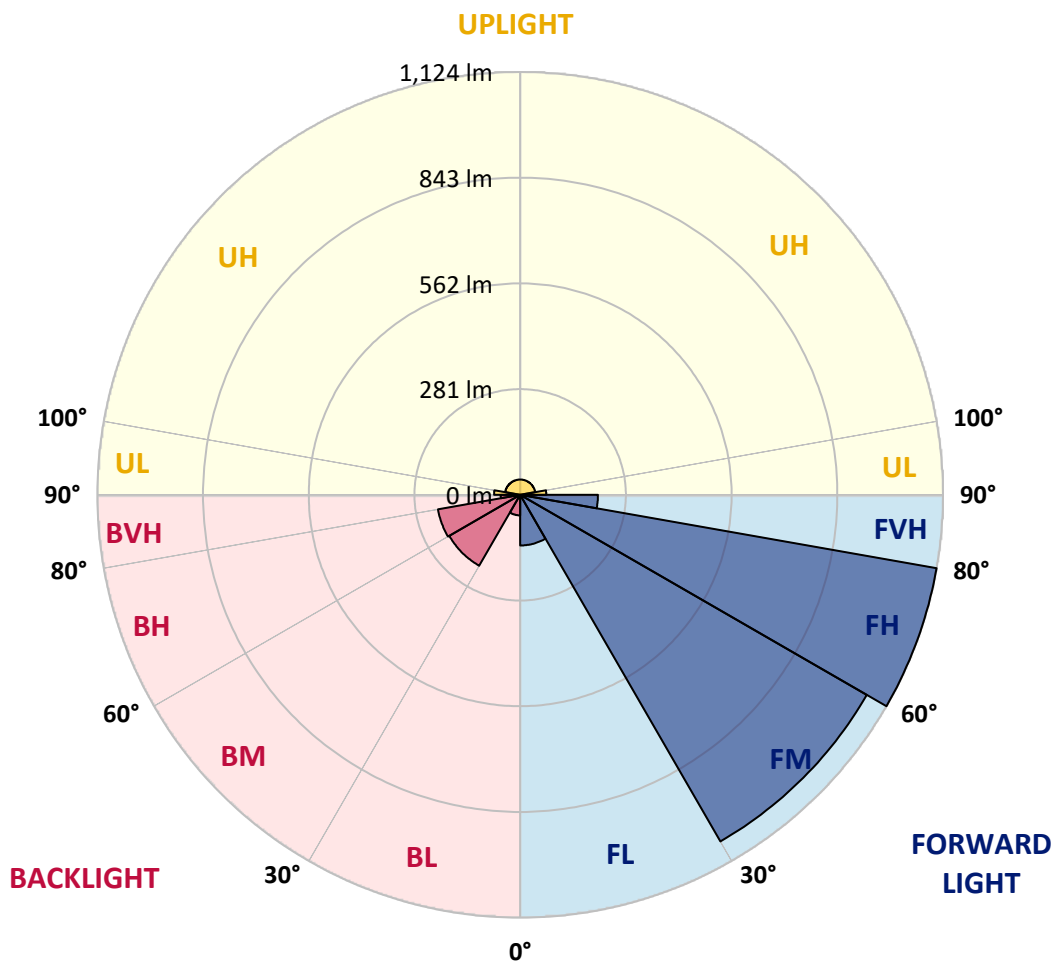
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.7	4.2			
FM (30°-60°)	1064.1	33.5			
FH (60°-80°)	1124.2	35.4			G1/1800
FVH (80°-90°)	206.8	6.5			G2/225
BL (0°-30°)	54.7	1.7	B0/110		
BM (30°-60°)	217.8	6.9	B0/220		
BH (60°-80°)	221.8	7.0	B1/500		G1/500
BVH (80°-90°)	51.9	1.6			G1/100
UL (90°-100°)	69.5	2.2		U3/500	
UH (100°-180°)	40.6	1.3		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°	71°	75°	85°
0°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	135.1	135.1	134.7	135.1	133.1	132.4	129.9	127.6	126.0	125.6	122.0
5°	151.0	151.0	150.6	150.6	148.1	146.6	143.4	139.4	137.5	135.8	129.9
7.5°	169.2	168.8	168.4	168.8	166.7	163.3	160.4	155.3	153.3	150.2	142.6
10°	191.4	190.6	191.0	189.8	186.6	185.1	182.2	176.7	174.3	172.0	163.3
12.5°	218.3	218.3	217.5	215.1	212.0	211.1	210.0	206.8	203.7	200.5	188.2
15°	248.4	247.6	246.4	243.3	240.5	238.9	240.5	238.4	236.1	232.1	217.9
17.5°	282.8	281.3	279.3	275.4	271.0	271.8	273.3	271.8	268.6	267.4	250.4
20°	320.9	320.5	316.5	309.7	305.9	303.5	307.8	309.7	307.0	305.9	286.4
22.5°	366.0	363.2	358.1	349.8	342.7	338.7	343.5	350.6	349.8	348.2	327.7
25°	418.8	414.4	409.3	394.6	382.7	375.9	382.7	392.6	396.6	395.0	370.8
27.5°	477.8	471.8	463.5	446.5	427.1	413.6	423.1	436.2	446.1	446.8	417.6
30°	542.0	536.8	525.7	500.7	473.4	456.7	464.3	484.2	498.0	498.8	466.7
32.5°	615.2	609.7	587.5	561.0	525.7	502.8	510.2	536.0	552.6	558.2	520.2
35°	694.1	688.1	669.5	627.9	582.4	552.6	561.0	593.1	613.3	621.5	577.3
37.5°	778.1	768.1	746.8	700.4	649.0	610.9	614.9	652.4	680.3	690.9	641.0
40°	860.1	856.1	827.2	772.9	710.7	669.5	673.1	717.1	751.9	764.2	709.1
42.5°	944.1	935.0	907.6	844.7	776.1	731.3	740.0	789.5	832.4	845.8	780.4
45°	1024.1	1016.2	981.3	914.3	843.0	798.3	810.6	872.0	916.4	934.2	861.6
47.5°	1096.6	1086.3	1051.0	978.6	908.8	868.8	884.6	957.5	1009.4	1030.0	952.8
50°	1148.9	1140.6	1104.5	1033.6	969.0	942.9	972.2	1050.7	1109.3	1137.0	1051.8
52.5°	1171.9	1167.9	1133.4	1069.6	1021.3	1016.5	1070.4	1150.8	1217.4	1247.5	1157.6
55°	1163.5	1157.6	1138.1	1087.1	1061.3	1088.2	1173.4	1265.4	1333.5	1365.9	1271.3
57.5°	1116.3	1112.5	1110.8	1078.8	1084.7	1156.8	1275.2	1393.7	1460.7	1486.8	1385.0
60°	1036.4	1034.0	1050.3	1048.6	1090.7	1212.7	1382.6	1529.6	1589.1	1619.1	1496.3
62.5°	917.1	922.7	959.9	992.0	1071.2	1249.9	1480.8	1653.6	1715.8	1737.6	1582.7
65°	777.6	787.6	837.5	902.9	1026.4	1265.4	1569.6	1761.3	1820.8	1828.7	1637.7
67.5°	622.8	638.6	698.1	788.8	949.6	1251.1	1625.5	1833.8	1885.3	1875.5	1642.4
69°	549.8	551.9	614.9	712.3	888.6	1220.6	1642.4	1855.2	1892.5	1877.0	1619.1
70°	496.4	499.6	561.8	662.4	843.4	1190.9	1642.1	1860.3	1888.5	1864.3	1596.5
72.5°	367.6	379.5	441.3	545.1	727.3	1088.2	1589.1	1831.9	1829.1	1785.6	1475.7
75°	267.0	276.9	336.3	438.9	612.4	953.2	1458.6	1713.9	1686.4	1630.6	1291.1
77.5°	190.6	193.3	246.0	345.0	505.5	797.9	1259.4	1503.0	1474.5	1390.9	1057.3
80°	128.8	131.1	174.3	261.1	406.8	655.6	1036.8	1232.0	1194.0	1103.4	802.6
82.5°	83.2	87.6	121.6	191.7	318.5	528.9	818.9	954.3	910.7	829.6	590.2
85°	58.2	59.4	84.4	138.6	239.3	409.3	622.0	710.3	665.1	598.2	412.0
87.5°	38.9	40.0	59.4	100.7	174.3	299.5	452.0	503.9	465.1	411.2	274.6
90°	24.6	26.5	41.2	71.7	125.6	209.2	312.6	337.6	309.7	265.9	170.3
92.5°	17.4	18.2	28.9	51.5	89.1	143.4	204.0	213.9	190.2	161.2	103.0
95°	11.9	12.7	21.0	36.8	64.1	96.7	129.9	130.3	111.3	95.0	65.4
97.5°	8.7	9.5	15.9	27.3	45.9	66.2	82.8	78.5	66.9	58.2	45.5
100°	7.2	7.6	12.7	21.0	33.2	46.7	54.3	49.1	43.2	38.9	33.2
102.5°	5.9	6.3	10.7	17.1	25.0	33.2	36.8	32.8	29.4	26.9	25.0
105°	5.1	5.5	9.1	14.2	20.3	24.6	26.2	23.3	21.4	19.8	18.6
107.5°	4.7	5.1	7.9	12.3	16.7	19.8	20.6	17.8	15.9	14.2	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	4.4	4.7	7.2	10.7	14.2	16.7	16.3	13.9	11.5	9.9	9.9
112.5°	4.0	4.4	6.3	9.5	12.3	13.9	13.5	10.3	8.3	7.2	7.2
115°	3.6	4.0	5.5	8.3	10.7	11.5	10.7	7.9	5.9	4.7	5.5
117.5°	3.2	3.6	4.7	7.2	9.1	9.5	8.3	5.9	4.4	3.6	4.0
120°	3.2	3.2	4.4	5.9	7.6	7.9	6.8	4.4	3.2	2.8	3.2
122.5°	2.8	3.2	4.0	5.1	6.3	6.3	5.1	3.2	2.4	2.4	2.8
125°	2.8	2.8	3.2	4.4	5.1	5.1	4.0	2.4	1.9	2.4	2.8
127.5°	2.4	2.8	3.2	4.0	4.4	4.4	3.2	1.9	1.9	1.9	2.4
130°	2.4	2.4	2.8	3.2	3.6	3.2	2.4	1.5	1.5	1.9	2.4
132.5°	2.4	2.4	2.4	2.8	3.2	2.4	1.5	1.5	1.5	1.5	2.4
135°	1.9	1.9	1.9	2.4	2.4	1.5	1.2	1.2	1.5	1.5	1.9
137.5°	1.5	1.5	1.5	1.5	1.5	1.2	0.8	1.2	1.2	1.5	1.9
140°	1.2	1.2	1.2	1.2	1.2	0.4	0.8	0.8	1.2	1.2	1.5
142.5°	0.8	0.8	0.8	1.2	0.8	0.4	0.4	0.8	1.2	1.2	1.5
145°	0.4	0.4	0.8	0.8	0.4	0.0	0.4	0.8	0.8	1.2	1.2
147.5°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.8	0.8	1.2
150°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.4	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	0.8
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°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	120.8	119.7	116.8	114.1	111.3	109.4	107.7	107.4	106.2	105.0	105.4
5°	127.2	124.4	119.7	113.6	108.1	103.4	99.8	96.7	94.7	92.3	92.7
7.5°	138.6	134.3	126.0	116.1	107.0	99.4	92.3	88.4	85.2	83.6	83.2
10°	156.1	150.2	136.3	122.0	108.1	97.1	88.4	83.2	80.0	78.1	78.1
12.5°	180.7	172.0	152.1	131.6	112.5	97.5	87.2	82.0	78.9	77.6	77.6
15°	207.6	196.1	169.6	141.5	116.8	98.6	87.6	82.0	79.3	78.1	77.6
17.5°	237.7	222.3	186.6	149.8	120.4	101.1	88.0	82.0	79.3	78.5	78.1
20°	270.2	250.7	204.0	157.6	123.2	101.4	87.6	81.6	79.6	79.3	79.3
22.5°	306.7	281.3	220.7	164.4	124.8	100.2	86.3	81.2	80.0	80.4	80.4
25°	344.6	312.9	236.5	168.4	123.2	97.5	85.2	81.2	80.8	82.0	82.0
27.5°	385.0	344.6	250.4	171.1	120.0	93.5	83.2	81.2	81.6	83.2	83.2
30°	427.5	377.2	262.3	170.7	116.1	90.3	82.0	80.8	82.4	84.8	84.8
32.5°	472.2	410.8	272.2	168.4	111.3	88.0	80.8	81.2	83.6	86.3	86.7
35°	518.2	442.5	280.1	163.6	107.0	85.9	80.8	82.0	84.8	88.0	88.4
37.5°	569.3	478.1	287.2	159.3	103.8	85.2	81.2	82.4	85.6	89.1	89.9
40°	624.3	517.0	292.4	153.7	101.4	85.6	82.0	83.2	85.9	89.9	90.7
42.5°	683.0	556.6	297.9	149.4	99.4	85.9	83.2	83.6	86.3	90.7	91.6
45°	749.5	601.0	304.2	145.4	99.0	87.6	84.0	83.6	85.9	91.6	91.9
47.5°	825.6	656.4	313.7	142.6	99.0	88.7	84.8	83.6	85.6	91.6	92.3
50°	908.8	714.6	325.3	141.8	100.2	90.3	85.6	83.6	85.2	89.9	90.7
52.5°	997.2	780.4	340.7	142.2	101.8	91.6	86.3	83.2	84.0	87.6	88.0
55°	1095.4	850.6	358.1	144.6	104.2	93.1	86.7	82.4	82.4	84.8	84.8
57.5°	1191.6	923.4	377.2	147.4	107.4	94.7	86.7	81.6	81.2	82.8	82.8
60°	1280.8	984.5	395.8	151.0	110.2	95.4	86.3	80.8	80.0	81.2	81.6
62.5°	1355.3	1034.0	407.2	154.9	112.5	95.9	85.6	80.0	79.3	80.4	80.4
65°	1387.7	1057.7	409.6	157.6	114.9	95.4	84.4	78.9	78.5	79.3	79.6
67.5°	1382.2	1044.3	398.1	158.0	115.7	95.0	83.2	77.6	77.6	78.5	78.5
69°	1350.5	1015.4	383.5	157.2	115.7	93.9	82.0	76.8	77.2	78.1	78.1
70°	1320.4	984.5	369.2	155.3	115.3	93.1	80.8	76.1	76.8	77.6	77.6
72.5°	1204.7	883.4	331.5	148.9	112.1	90.3	78.5	73.7	75.3	76.8	76.4
75°	1037.2	749.1	287.2	139.0	107.0	86.3	75.3	70.9	73.2	75.3	74.9
77.5°	834.7	599.0	240.9	127.6	100.7	81.2	71.3	67.7	70.5	72.9	72.5
80°	635.0	459.9	195.7	114.9	92.3	75.7	66.9	63.8	67.3	69.4	68.9
82.5°	464.3	336.3	153.7	102.2	84.4	69.8	61.8	59.4	63.0	65.0	64.1
85°	322.1	235.0	118.9	88.4	75.7	63.0	56.3	54.6	57.8	59.4	58.6
87.5°	212.8	158.5	91.9	76.4	67.3	56.7	51.1	49.5	52.7	53.5	53.1
90°	135.1	106.2	72.9	65.8	59.4	50.3	45.5	44.8	47.2	47.6	46.3
92.5°	86.3	72.9	59.0	56.7	51.9	44.8	40.8	39.6	41.6	41.6	40.4
95°	59.8	54.3	48.3	48.7	45.1	39.2	35.7	35.3	36.0	35.3	34.9
97.5°	43.2	41.2	40.0	41.6	39.2	34.1	31.3	30.5	30.9	29.7	29.4
100°	32.8	32.5	33.2	34.9	33.2	29.4	26.9	26.5	26.2	24.1	24.1
102.5°	25.4	25.4	27.3	29.7	28.1	25.0	23.3	22.6	21.4	19.4	19.0
105°	19.4	19.8	22.6	24.6	23.7	21.0	19.8	18.6	17.1	15.0	15.0
107.5°	14.6	15.4	18.2	20.3	19.4	17.4	16.3	15.0	13.5	11.5	11.9



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.0	11.9	14.6	16.3	15.9	14.6	13.5	12.3	10.3	8.7	9.1
112.5°	8.3	9.1	11.5	13.1	13.1	11.9	10.7	9.5	7.6	6.8	6.8
115°	6.3	7.2	9.1	10.3	10.3	9.1	8.3	7.2	5.5	5.1	5.1
117.5°	4.7	5.5	7.2	8.3	7.9	7.2	6.3	5.5	4.4	4.0	4.0
120°	4.0	4.4	5.5	6.3	5.9	5.5	4.7	4.0	3.2	3.2	3.2
122.5°	3.2	3.6	4.4	4.7	4.4	4.0	3.6	2.8	2.4	2.4	2.4
125°	2.8	3.2	3.6	3.6	3.2	2.8	2.4	1.9	1.5	1.9	1.9
127.5°	2.8	2.8	3.2	2.8	2.4	1.9	1.5	1.2	1.2	1.5	1.5
130°	2.4	2.8	2.8	2.4	1.9	1.2	1.2	0.8	0.8	1.2	1.2
132.5°	2.4	2.4	2.4	1.9	1.5	0.8	0.4	0.4	0.8	0.8	0.8
135°	1.9	2.4	1.9	1.5	1.2	0.8	0.0	0.4	0.4	0.4	0.4
137.5°	1.9	1.9	1.9	1.5	0.8	0.4	0.0	0.0	0.4	0.0	0.0
140°	1.5	1.5	1.5	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	0.8	0.0	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	0.0	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)