

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: P414733

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-750-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

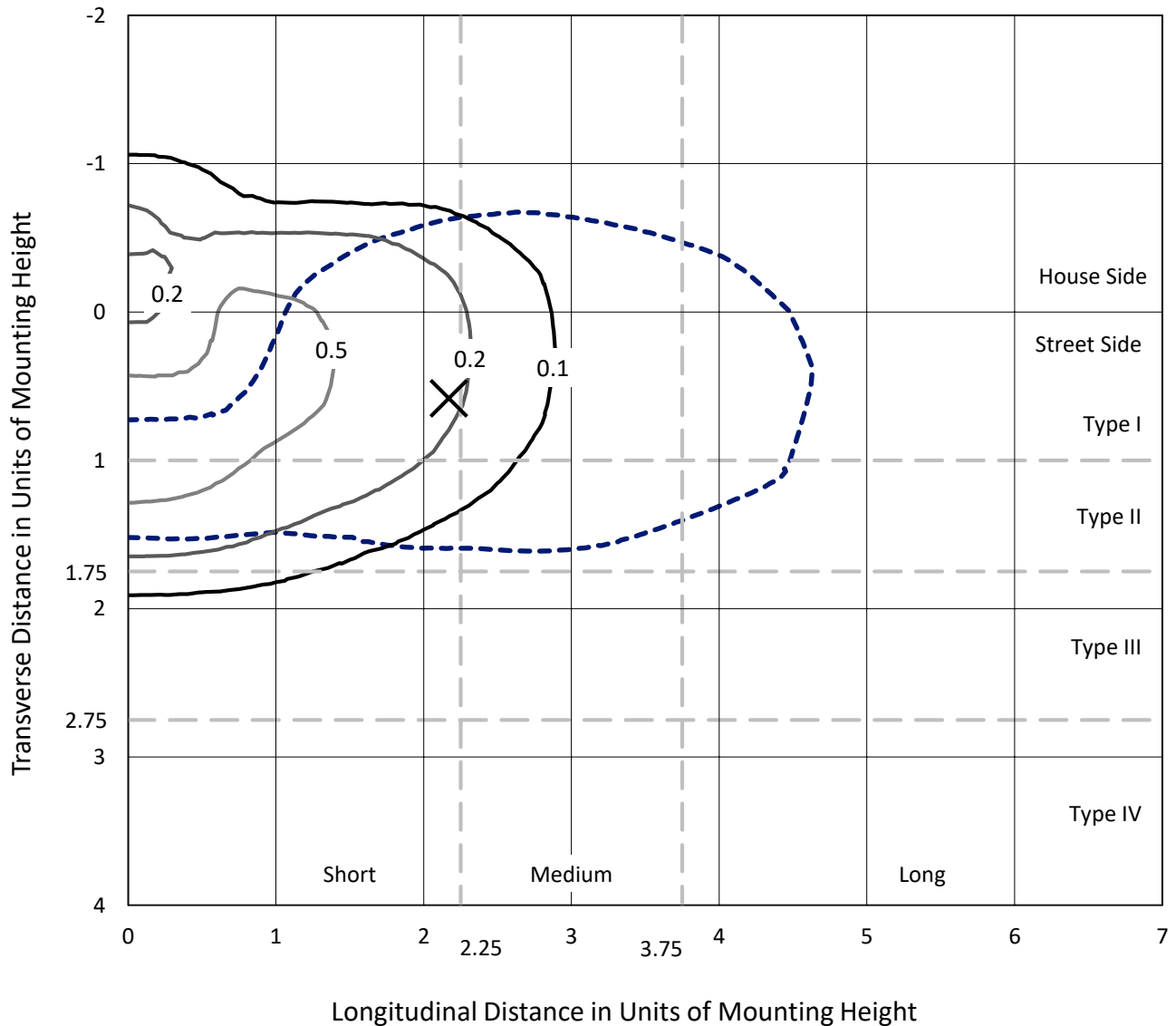
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

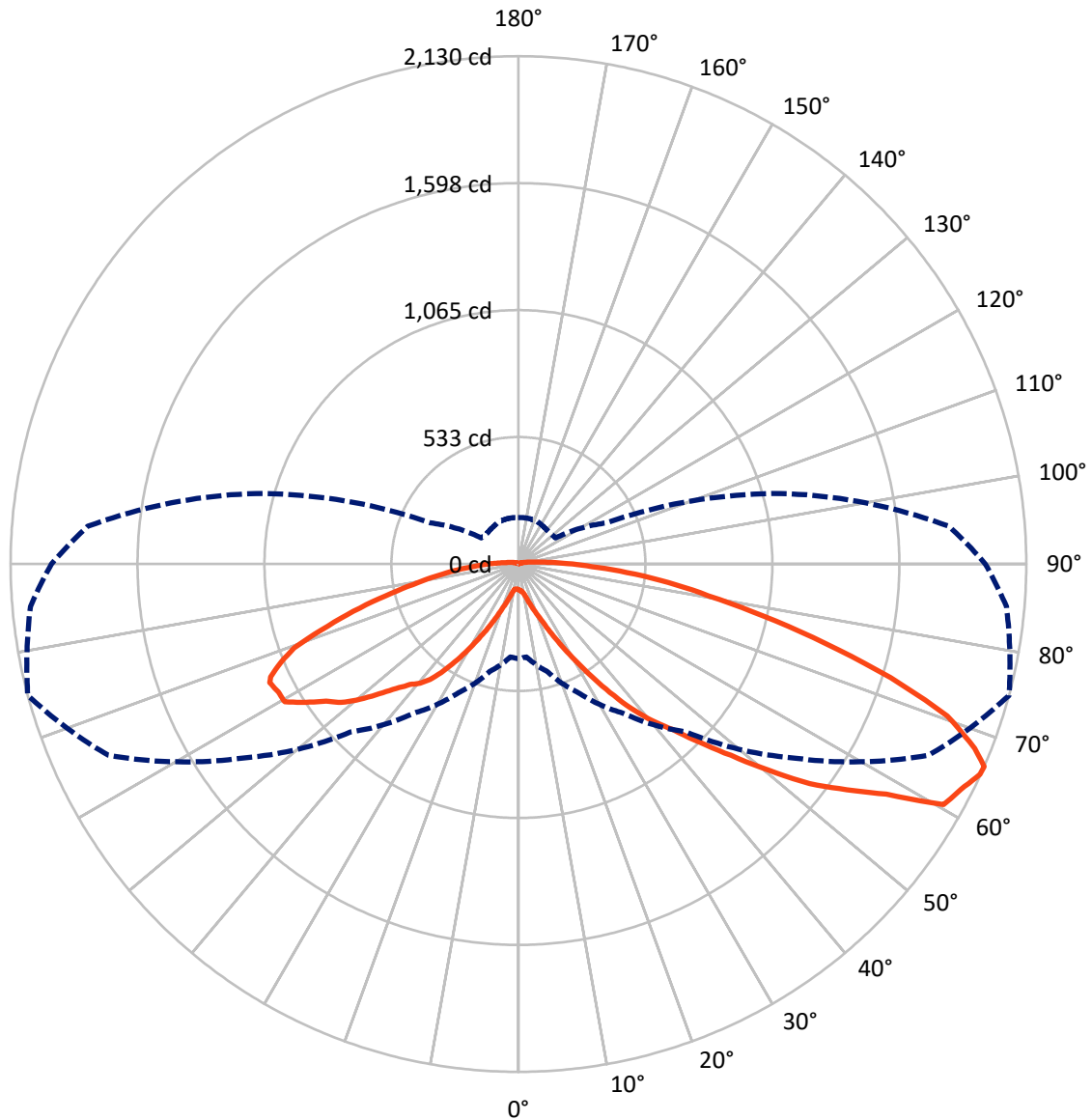
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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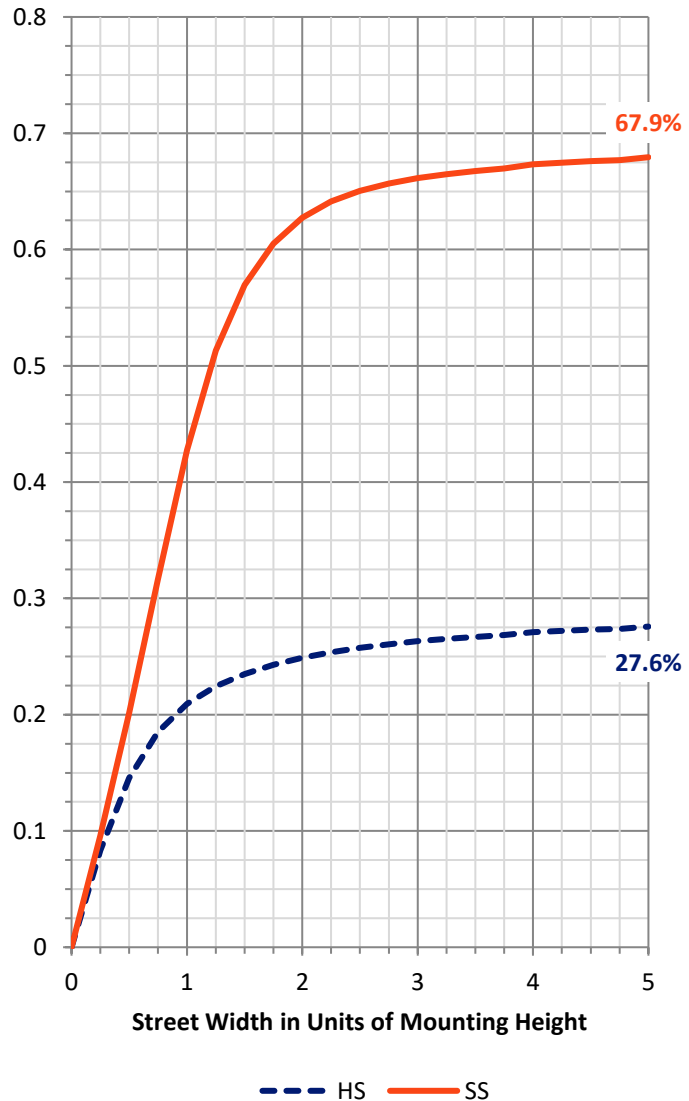
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1041.2	50.8	1092.1
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	2523.7	50.3	2573.9
	% Fixture	68.8	1.4	70.2
Total	Lumens	3564.9	101.1	3666.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.3
10°-20°	46.1	1.3
20°-30°	139.7	3.8
30°-40°	345.6	9.4
40°-50°	624.1	17.0
50°-60°	843.2	23.0
60°-70°	846.5	23.1
70°-80°	511.2	13.9
80°-90°	197.6	5.4
90°-100°	58.7	1.6
100°-110°	21.2	0.6
110°-120°	10.3	0.3
120°-130°	6.1	0.2
130°-140°	3.6	0.1
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3564.9	97.2
0°-180°	3666.0	100.0

Coefficient of Utilization



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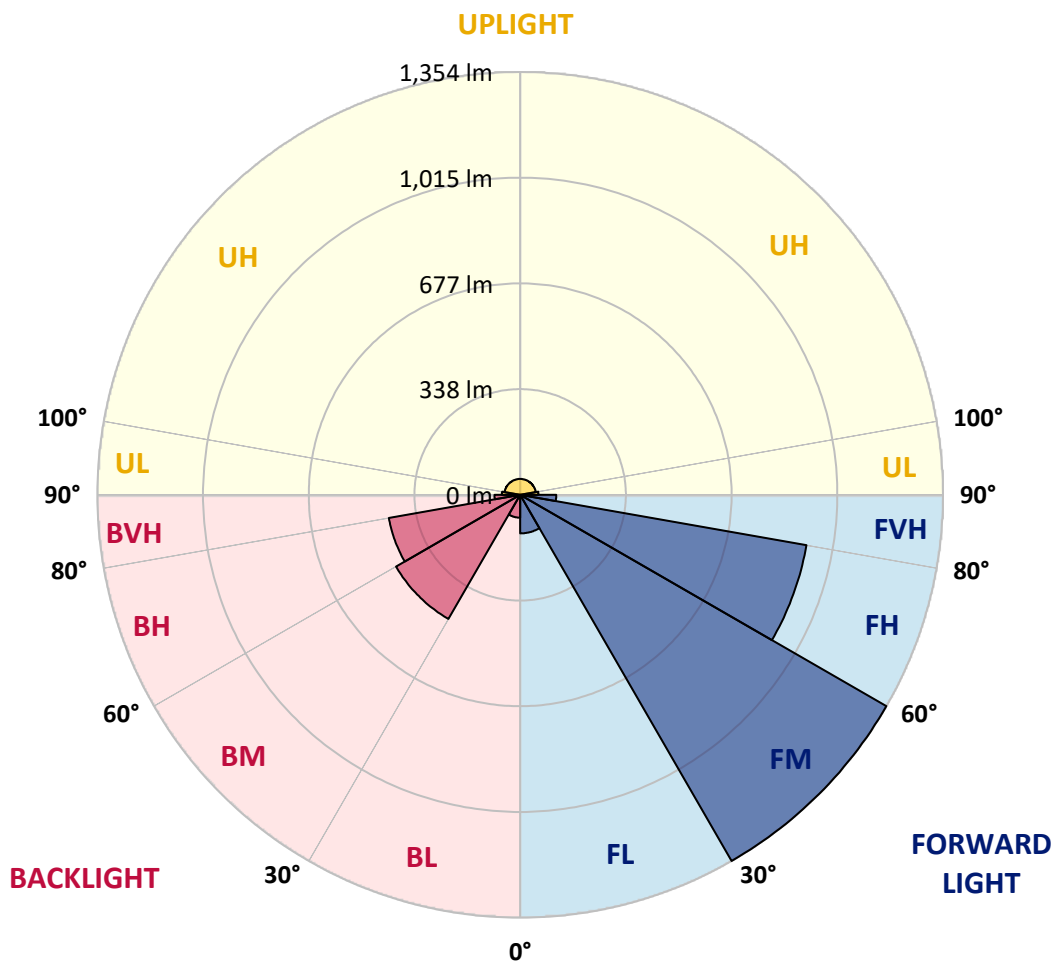
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.5	3.4			
FM (30°-60°)	1353.9	36.9			
FH (60°-80°)	930.8	25.4			G1/1800
FVH (80°-90°)	115.4	3.1			G2/225
BL (0°-30°)	73.2	2.0	B0/110		
BM (30°-60°)	459.0	12.5	B1/1000		
BH (60°-80°)	426.9	11.6	B1/500		G1/500
BVH (80°-90°)	82.2	2.2			G1/100
UL (90°-100°)	58.7	1.6		U3/500	
UH (100°-180°)	50.8	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	119.2	118.4	117.5	116.7	115.8	115.0	113.3	111.2	109.5	109.5	107.8
5°	130.2	129.4	128.1	126.4	124.7	123.0	119.6	116.3	112.9	112.9	109.9
7.5°	143.7	143.3	141.6	139.5	135.7	131.9	127.7	122.6	118.0	117.5	113.7
10°	161.1	160.2	157.7	154.7	150.5	145.4	139.5	133.2	126.4	126.0	121.3
12.5°	185.2	183.5	179.3	174.6	166.6	161.5	154.7	148.8	143.7	142.5	136.1
15°	216.5	214.3	209.7	201.7	191.1	181.8	178.0	171.6	166.1	164.5	158.5
17.5°	256.6	254.5	246.5	233.8	222.8	213.5	205.0	198.7	194.1	193.6	185.2
20°	311.6	306.5	293.4	275.6	261.3	249.9	238.0	230.8	226.2	224.5	219.4
22.5°	379.2	378.0	359.4	336.1	312.4	291.7	278.6	270.6	267.2	267.6	264.7
25°	465.5	461.7	443.9	410.1	374.6	348.4	330.2	325.1	324.7	321.7	320.5
27.5°	557.6	552.6	529.3	496.8	449.8	414.3	394.0	388.5	389.8	386.4	388.9
30°	670.5	668.0	634.2	586.8	536.1	489.6	468.4	463.8	466.7	471.0	468.4
32.5°	810.0	813.8	767.8	703.9	632.9	579.2	555.9	554.3	558.5	557.6	556.4
35°	980.0	986.7	922.9	845.5	747.9	684.0	654.9	652.8	661.2	660.4	661.2
37.5°	1161.8	1164.7	1112.7	990.1	876.4	788.0	763.9	761.4	769.4	764.8	760.1
40°	1305.1	1319.0	1258.2	1152.9	1004.5	914.5	885.3	871.3	864.1	859.1	825.2
42.5°	1440.8	1432.3	1389.2	1272.1	1136.0	1037.9	999.0	972.8	949.5	946.2	909.0
45°	1529.6	1519.0	1478.0	1369.8	1242.1	1160.9	1125.0	1093.3	1067.1	1055.2	1010.4
47.5°	1534.7	1529.6	1519.9	1438.7	1327.1	1256.5	1244.6	1227.7	1199.0	1199.4	1141.9
50°	1457.3	1449.3	1477.6	1446.7	1369.4	1332.2	1377.0	1395.6	1358.8	1355.0	1295.4
52.5°	1320.3	1316.1	1367.7	1398.1	1370.6	1385.0	1491.5	1559.2	1530.4	1515.2	1438.3
55°	1181.6	1186.7	1231.5	1280.6	1325.8	1400.2	1593.0	1727.9	1671.2	1661.1	1565.1
57.5°	992.7	1009.6	1076.4	1153.3	1224.3	1379.1	1646.3	1834.8	1820.5	1816.6	1734.6
60°	785.5	783.8	882.7	994.8	1111.5	1309.3	1649.2	1969.3	2049.2	2031.0	1915.2
62.5°	610.1	614.3	685.3	825.7	982.1	1203.2	1608.6	2029.3	2082.6	2061.9	1960.8
65°	441.8	448.6	535.2	648.5	825.2	1059.9	1493.2	1947.7	2127.8	2115.1	2058.0
66°	397.0	391.1	467.2	595.7	763.5	996.5	1420.5	1898.2	2130.3	2123.2	2055.1
67.5°	319.2	326.8	385.6	497.6	664.2	895.4	1289.0	1819.2	2064.4	2054.7	2009.0
70°	236.3	243.5	283.7	373.3	503.9	714.1	1065.8	1571.4	1908.8	1916.0	1910.9
72.5°	175.0	182.6	210.1	274.8	372.9	531.0	844.7	1324.5	1632.3	1649.2	1637.4
75°	136.1	139.1	161.9	207.2	272.7	374.2	624.9	1026.5	1328.8	1360.1	1371.0
77.5°	109.5	112.0	130.6	159.8	204.2	273.1	438.0	765.2	1051.9	1073.8	1094.6
80°	88.4	90.1	105.3	128.5	156.4	195.3	295.5	555.9	807.1	819.8	850.2
82.5°	71.0	72.3	83.3	103.2	125.1	148.4	210.1	388.1	633.7	645.6	684.0
85°	55.8	56.7	66.4	82.0	100.6	117.5	151.8	274.4	456.6	467.6	514.1
87.5°	44.0	44.8	52.4	63.8	81.2	93.0	112.0	184.8	308.2	323.8	376.7
90°	34.7	35.1	40.6	49.5	63.0	75.7	87.9	128.9	205.5	214.3	243.9
92.5°	26.2	26.6	30.9	37.6	49.0	60.0	67.2	89.2	131.5	135.3	156.4
95°	19.4	19.9	23.3	27.5	36.8	46.9	52.0	62.6	82.9	87.9	93.4
97.5°	15.2	15.6	17.8	20.3	27.1	36.8	41.4	46.1	56.7	58.3	62.6
100°	13.1	13.1	14.4	16.1	20.3	28.7	32.6	36.4	42.7	42.7	45.2
102.5°	11.0	11.0	11.8	12.7	16.5	22.8	26.2	28.7	32.1	32.6	34.7
105°	9.7	9.7	10.1	11.0	14.0	18.6	21.6	22.8	24.9	24.9	25.8
107.5°	8.5	8.5	8.9	9.3	12.3	15.6	17.3	17.8	18.6	18.6	19.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	8.0	8.0	8.0	8.5	10.6	13.5	14.4	14.0	14.4	14.4	15.6
112.5°	7.6	7.2	7.2	7.6	9.7	11.8	11.8	11.4	11.4	11.4	12.7
115°	7.2	7.2	6.8	7.2	8.9	10.1	10.1	9.3	9.3	9.3	10.6
117.5°	7.2	7.2	6.8	6.8	8.0	9.3	8.9	8.0	7.6	8.0	9.3
120°	7.2	7.2	6.3	6.3	7.6	8.0	8.0	6.8	6.8	6.8	8.0
122.5°	7.2	7.2	6.3	6.3	7.2	7.6	7.2	5.9	5.9	5.9	7.2
125°	7.6	7.2	6.3	6.3	6.8	6.8	6.3	5.5	5.1	5.1	6.3
127.5°	7.6	7.6	6.8	6.3	6.3	6.3	5.9	5.1	4.7	4.7	5.9
130°	8.5	8.0	7.2	6.3	5.9	5.5	5.1	4.7	4.7	4.7	5.5
132.5°	8.5	8.5	7.2	5.9	5.5	5.1	4.7	3.8	4.2	4.2	5.1
135°	8.0	7.6	6.3	5.5	5.1	4.2	3.8	3.4	3.8	3.8	4.7
137.5°	7.2	6.8	5.9	4.7	4.2	3.4	3.0	2.5	3.0	3.0	3.8
140°	5.9	5.9	4.7	3.8	3.4	3.0	2.5	1.7	2.1	2.5	3.0
142.5°	5.1	4.7	3.8	3.0	2.5	2.1	1.7	1.3	1.7	1.7	2.1
145°	4.2	3.8	3.0	2.1	1.7	1.3	0.8	0.8	0.8	0.8	1.3
147.5°	3.4	3.0	2.1	1.3	0.8	0.8	0.4	0.4	0.8	0.8	0.8
150°	2.5	2.5	1.7	0.8	0.4	0.4	0.0	0.4	0.4	0.4	0.4
152.5°	2.1	2.1	1.3	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	1.3	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	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°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	107.4	106.5	105.7	104.8	104.0	103.6	102.3	101.5	101.5	101.5	101.0
5°	108.7	107.0	104.8	103.2	101.0	99.4	98.1	96.8	96.0	96.0	96.0
7.5°	111.6	109.9	106.1	102.7	99.8	97.2	95.5	94.3	93.9	93.4	93.4
10°	118.4	115.4	110.3	105.3	101.0	97.7	96.0	95.1	94.7	94.7	94.7
12.5°	133.6	129.4	121.8	113.3	106.1	101.0	99.4	99.4	101.9	103.2	103.2
15°	153.9	150.1	141.2	129.4	118.0	109.5	108.2	111.2	114.6	116.3	115.8
17.5°	181.8	176.7	164.9	149.2	134.0	125.6	121.8	124.7	128.9	131.1	131.1
20°	214.8	209.7	193.6	172.5	153.9	144.6	138.7	138.7	144.2	145.9	146.7
22.5°	260.0	252.4	229.6	200.4	176.3	161.9	154.7	153.5	159.8	162.8	161.9
25°	310.7	304.8	278.2	234.6	203.4	180.1	170.4	170.4	178.4	185.2	185.6
27.5°	381.8	367.0	329.8	276.5	229.6	197.0	186.4	188.6	197.0	203.8	203.8
30°	456.2	445.6	391.1	320.9	254.9	212.7	197.4	200.8	208.4	216.0	216.0
32.5°	546.2	528.5	461.2	364.9	278.2	222.8	203.4	208.0	216.9	224.5	224.5
35°	634.2	619.8	531.8	410.9	298.5	227.0	205.9	211.4	221.5	230.8	231.7
37.5°	736.5	705.2	600.8	452.4	313.3	227.9	205.0	214.8	228.3	238.9	239.3
40°	797.8	760.1	647.3	483.2	320.0	224.9	205.0	217.3	228.7	232.5	232.1
42.5°	870.5	823.1	679.8	487.0	311.6	219.0	204.6	214.3	219.4	219.4	219.0
45°	968.1	914.9	731.4	489.1	294.2	211.8	201.2	207.6	206.3	202.5	201.2
47.5°	1087.8	1023.1	796.9	496.8	277.3	204.6	197.4	199.1	193.2	184.8	184.3
50°	1230.7	1154.6	873.9	504.8	262.5	198.7	194.1	192.4	186.4	179.3	178.4
52.5°	1364.7	1273.0	943.6	510.3	250.3	194.9	191.5	191.1	185.2	175.9	175.0
55°	1486.0	1376.1	990.6	499.7	239.3	193.2	191.5	191.9	184.3	175.0	173.8
57.5°	1661.5	1541.0	1065.0	484.1	226.2	192.8	192.8	193.2	183.9	175.0	173.8
60°	1814.1	1680.1	1138.1	482.8	213.5	192.4	193.2	192.8	186.0	180.5	179.3
62.5°	1866.5	1738.9	1141.5	452.4	205.5	190.2	191.5	193.6	192.4	189.8	188.6
65°	1965.5	1825.9	1155.9	418.1	194.1	186.4	189.4	194.9	195.7	194.1	192.8
66°	1958.3	1813.7	1141.9	407.6	190.2	184.3	188.1	194.1	195.7	195.3	194.5
67.5°	1922.8	1782.0	1095.8	377.5	184.8	180.5	186.0	191.9	195.7	197.0	196.2
70°	1826.8	1686.4	1004.1	332.3	174.2	171.6	179.3	186.9	193.2	195.3	194.9
72.5°	1556.6	1423.0	840.0	283.7	159.4	159.0	167.8	177.1	184.8	186.9	186.0
75°	1306.8	1175.3	690.0	233.8	144.2	144.6	153.0	161.9	167.8	167.8	168.3
77.5°	1047.6	936.4	546.6	194.1	128.5	128.5	134.4	141.6	145.4	143.7	141.2
80°	805.8	732.2	427.0	162.3	112.9	112.0	115.0	120.5	123.4	119.6	116.7
82.5°	650.6	587.2	337.8	135.3	97.7	96.8	98.1	101.9	103.6	99.4	98.1
85°	493.8	436.7	254.1	111.2	84.6	82.4	84.6	85.4	87.5	83.7	81.2
87.5°	349.2	309.5	184.3	92.6	72.3	71.0	70.6	71.4	72.7	70.2	68.9
90°	234.6	205.9	133.2	77.4	61.7	59.6	58.8	58.8	59.6	55.4	54.1
92.5°	150.5	133.2	92.6	61.7	51.6	49.0	47.4	47.8	47.4	43.1	42.3
95°	93.9	85.0	66.8	48.6	41.4	39.3	37.6	37.2	36.8	33.8	33.0
97.5°	61.3	58.3	49.9	38.5	33.0	31.3	30.4	30.0	30.0	27.9	26.6
100°	45.7	44.4	39.3	32.1	27.1	25.8	24.9	24.9	25.8	24.1	23.3
102.5°	35.5	35.9	32.1	27.1	22.8	22.0	21.1	21.1	22.0	21.1	20.7
105°	27.1	27.1	26.2	22.4	19.4	19.0	18.2	18.2	19.0	19.0	19.0
107.5°	21.1	22.0	21.1	18.6	16.9	16.5	15.6	15.6	16.5	16.9	17.3



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CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.9	17.8	17.3	16.1	14.8	14.4	13.5	13.1	14.0	15.2	15.2
112.5°	13.5	14.4	14.4	13.5	12.7	12.7	11.8	11.4	12.3	13.5	13.5
115°	11.4	12.3	12.3	11.8	11.4	11.0	10.1	9.7	10.6	11.8	12.3
117.5°	9.7	10.6	10.6	10.6	10.1	9.7	8.9	8.5	8.9	10.1	10.6
120°	8.9	9.3	9.3	9.3	8.9	8.9	8.0	7.6	8.0	9.3	9.3
122.5°	7.6	8.0	8.5	8.5	8.0	8.0	7.2	6.3	6.8	8.0	8.5
125°	6.8	7.2	7.6	7.6	7.2	7.2	6.3	5.9	6.3	7.2	7.6
127.5°	6.3	6.8	6.8	6.8	6.8	6.3	5.5	5.1	5.5	6.8	6.8
130°	5.9	6.3	6.3	6.3	5.9	5.5	5.1	4.7	5.1	6.3	6.3
132.5°	5.5	5.9	5.9	5.5	5.5	5.1	4.2	3.8	4.7	5.5	5.5
135°	4.7	5.1	5.1	5.1	4.7	4.2	3.8	3.4	4.2	4.7	4.7
137.5°	3.8	4.2	4.2	4.2	3.8	3.4	3.0	3.0	3.4	4.2	4.2
140°	3.0	3.4	3.4	3.4	3.0	3.0	2.5	2.1	3.0	3.4	3.4
142.5°	2.1	2.5	2.5	2.5	2.1	2.1	1.7	1.7	2.5	3.0	3.0
145°	1.3	1.7	1.7	1.7	1.7	1.3	1.3	1.3	1.7	2.1	2.1
147.5°	0.8	1.3	1.3	1.3	1.3	0.8	0.4	0.8	1.3	1.7	1.7
150°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.8	1.3	1.3
152.5°	0.4	0.4	0.8	0.8	0.4	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.0
157.5°	0.0	0.0	0.0	0.4	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)