

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: P414629

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414629
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-PA1-30-730-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3339 lumens
Efficiency: N/A
Efficacy: 107.7 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

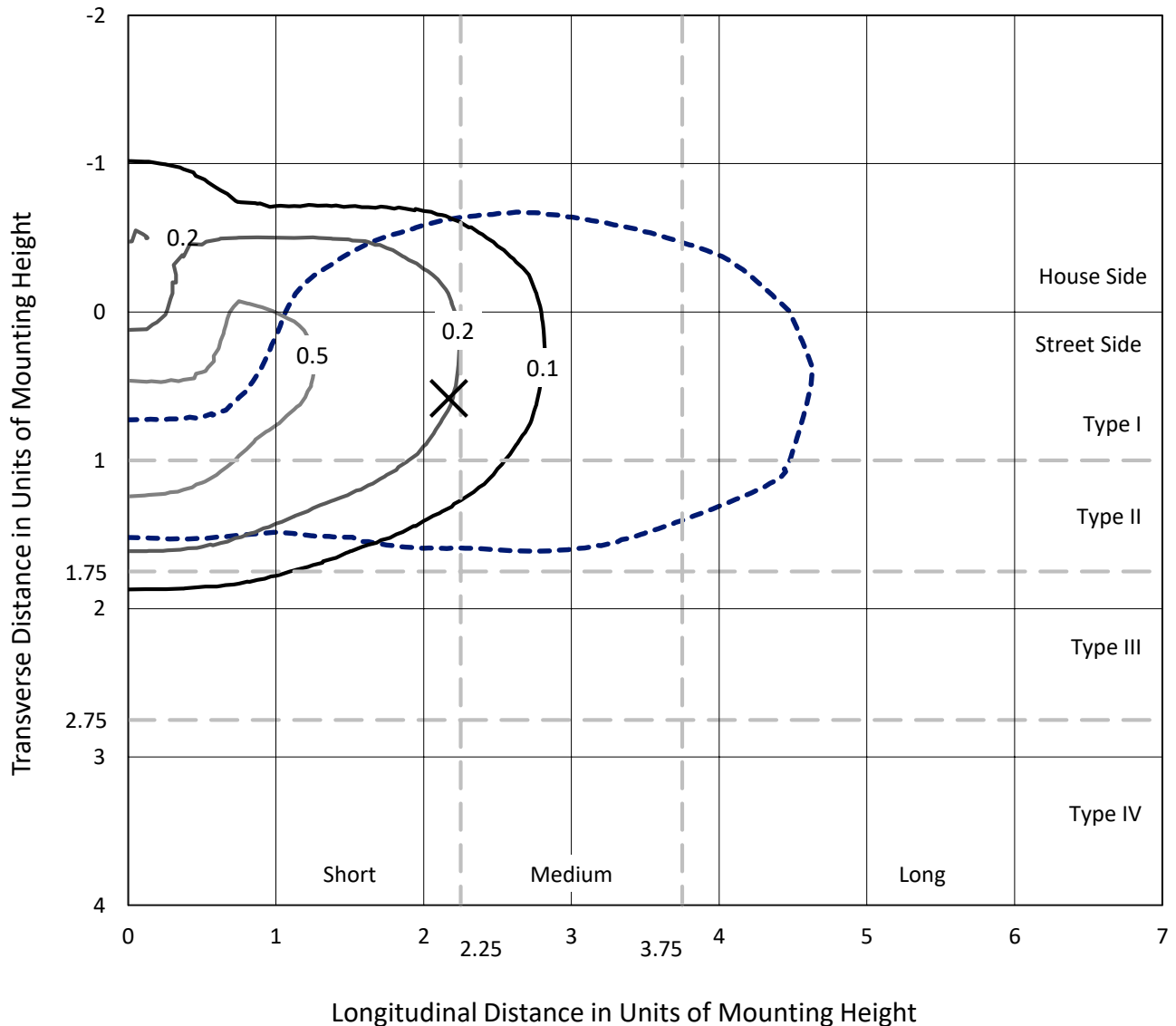
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

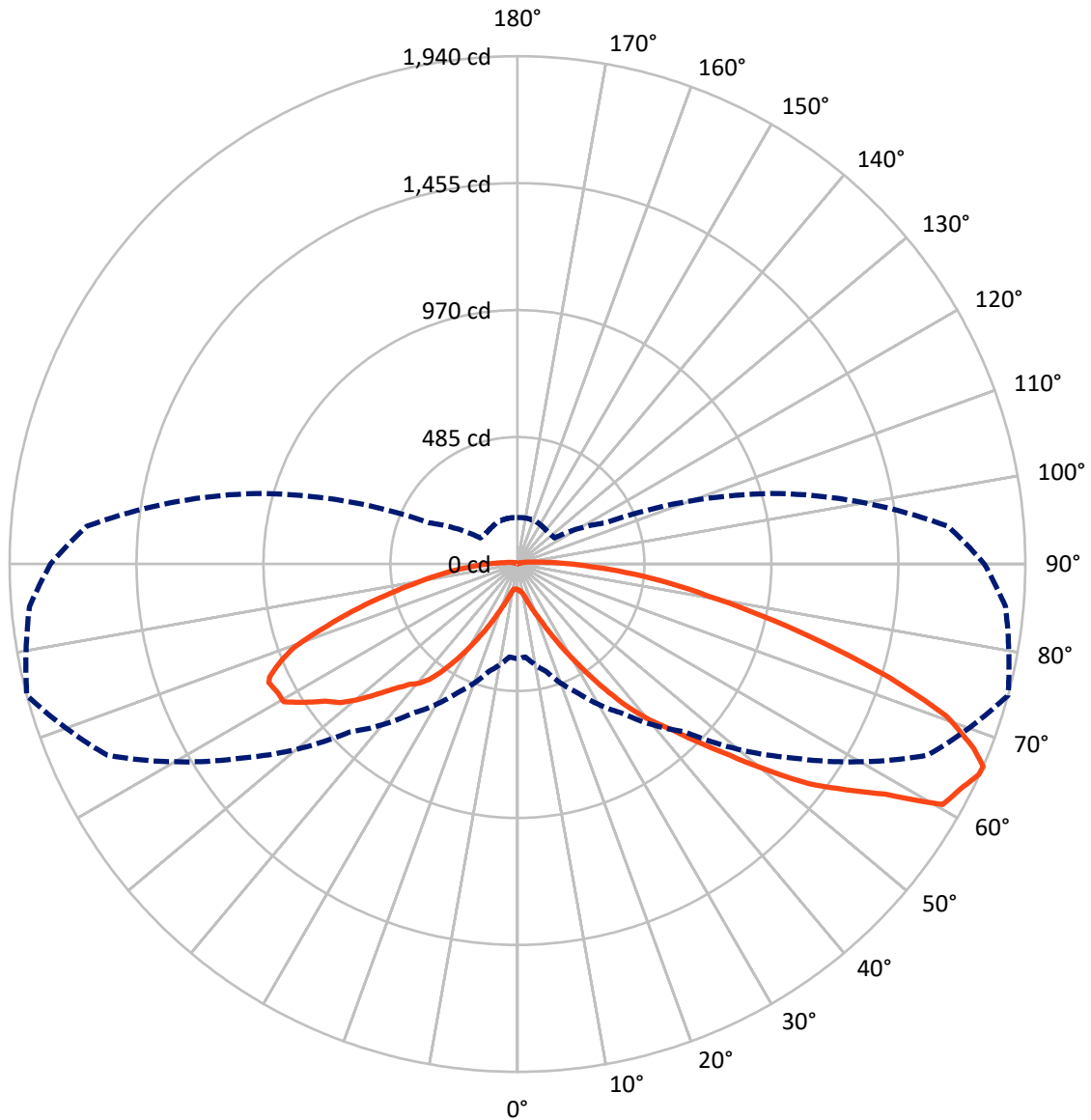
✕ Max cd
 - - - 1/2 Max cd



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	948.3	46.3	994.7
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	2298.6	45.8	2344.3
	% Fixture	68.8	1.4	70.2
Total	Lumens	3246.9	92.1	3339.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.3
10°-20°	41.9	1.3
20°-30°	127.3	3.8
30°-40°	314.8	9.4
40°-50°	568.4	17.0
50°-60°	768.0	23.0
60°-70°	771.0	23.1
70°-80°	465.6	13.9
80°-90°	180.0	5.4
90°-100°	53.5	1.6
100°-110°	19.3	0.6
110°-120°	9.3	0.3
120°-130°	5.5	0.2
130°-140°	3.3	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°	3246.9	97.2
0°-180°	3339.0	100.0



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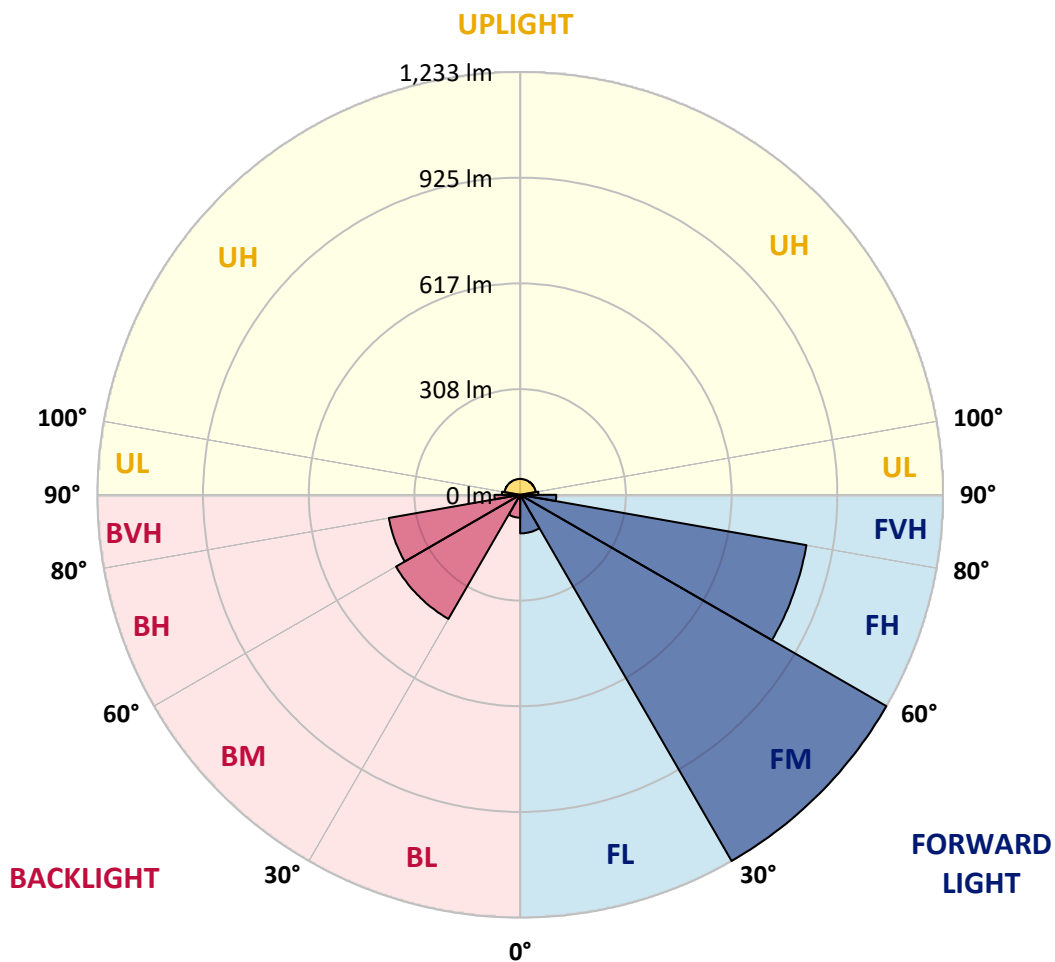
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.5	3.4			
FM	(30°-60°)	1233.1	36.9			
FH	(60°-80°)	847.8	25.4			G1/1800
FVH	(80°-90°)	105.1	3.1			G2/225
BL	(0°-30°)	66.7	2.0	B0/110		
BM	(30°-60°)	418.0	12.5	B1/1000		
BH	(60°-80°)	388.8	11.6	B1/500		G1/500
BVH	(80°-90°)	74.9	2.2			G1/100
UL	(90°-100°)	53.5	1.6		U3/500	
UH	(100°-180°)	46.3	1.4		U2/50	

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°	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2.5°	108.6	107.8	107.0	106.3	105.5	104.7	103.2	101.3	99.7	99.7	98.2
5°	118.6	117.8	116.7	115.1	113.6	112.1	109.0	105.9	102.8	102.8	100.1
7.5°	130.9	130.5	129.0	127.1	123.6	120.1	116.3	111.7	107.4	107.0	103.6
10°	146.7	145.9	143.6	140.9	137.1	132.5	127.1	121.3	115.1	114.7	110.5
12.5°	168.7	167.1	163.3	159.0	151.7	147.1	140.9	135.5	130.9	129.8	124.0
15°	197.2	195.2	191.0	183.7	174.0	165.6	162.1	156.3	151.3	149.8	144.4
17.5°	233.7	231.8	224.5	212.9	202.9	194.5	186.8	181.0	176.7	176.4	168.7
20°	283.8	279.2	267.2	251.1	238.0	227.6	216.8	210.2	206.0	204.5	199.8
22.5°	345.4	344.2	327.3	306.1	284.6	265.7	253.8	246.4	243.4	243.7	241.0
25°	424.0	420.5	404.3	373.5	341.2	317.3	300.7	296.1	295.7	293.0	291.9
27.5°	507.9	503.3	482.1	452.4	409.7	377.4	358.9	353.9	355.0	351.9	354.3
30°	610.7	608.4	577.6	534.5	488.3	445.9	426.6	422.4	425.1	429.0	426.6
32.5°	737.8	741.2	699.3	641.1	576.4	527.5	506.4	504.8	508.7	507.9	506.7
35°	892.6	898.7	840.6	770.1	681.2	623.0	596.5	594.5	602.2	601.5	602.2
37.5°	1058.1	1060.8	1013.5	901.8	798.2	717.8	695.8	693.5	700.8	696.6	692.3
40°	1188.7	1201.4	1145.9	1050.1	914.9	832.9	806.3	793.6	787.1	782.4	751.6
42.5°	1312.3	1304.6	1265.3	1158.6	1034.7	945.3	909.9	886.0	864.8	861.8	827.9
45°	1393.1	1383.5	1346.2	1247.6	1131.3	1057.4	1024.6	995.8	971.9	961.1	920.3
47.5°	1397.8	1393.1	1384.3	1310.4	1208.7	1144.4	1133.6	1118.2	1092.0	1092.4	1040.0
50°	1327.3	1320.0	1345.8	1317.7	1247.2	1213.3	1254.1	1271.1	1237.6	1234.1	1179.8
52.5°	1202.5	1198.7	1245.7	1273.4	1248.4	1261.5	1358.5	1420.1	1393.9	1380.1	1310.0
55°	1076.2	1080.9	1121.7	1166.3	1207.5	1275.3	1450.9	1573.7	1522.1	1512.9	1425.5
57.5°	904.1	919.5	980.4	1050.4	1115.1	1256.1	1499.4	1671.2	1658.1	1654.6	1579.9
60°	715.4	713.9	804.0	906.0	1012.3	1192.5	1502.1	1793.6	1866.4	1849.8	1744.3
62.5°	555.6	559.5	624.2	752.0	894.5	1095.9	1465.2	1848.3	1896.8	1877.9	1785.9
65°	402.4	408.5	487.5	590.7	751.6	965.3	1360.0	1774.0	1938.0	1926.5	1874.5
66°	361.6	356.2	425.5	542.5	695.4	907.6	1293.8	1728.9	1940.3	1933.8	1871.8
67.5°	290.7	297.7	351.2	453.2	604.9	815.6	1174.0	1656.9	1880.2	1871.4	1829.8
70°	215.2	221.8	258.4	340.0	459.0	650.4	970.7	1431.3	1738.5	1745.1	1740.5
72.5°	159.4	166.3	191.4	250.3	339.6	483.6	769.4	1206.4	1486.7	1502.1	1491.3
75°	124.0	126.7	147.5	188.7	248.4	340.8	569.1	934.9	1210.2	1238.7	1248.8
77.5°	99.7	102.0	119.0	145.6	186.0	248.7	398.9	697.0	958.0	978.1	996.9
80°	80.5	82.0	95.9	117.1	142.5	177.9	269.2	506.4	735.1	746.6	774.4
82.5°	64.7	65.8	75.9	94.0	114.0	135.2	191.4	353.5	577.2	588.0	623.0
85°	50.8	51.6	60.5	74.7	91.6	107.0	138.2	249.9	415.9	425.9	468.2
87.5°	40.0	40.8	47.7	58.1	73.9	84.7	102.0	168.3	280.7	295.0	343.1
90°	31.6	32.0	37.0	45.1	57.4	68.9	80.1	117.4	187.1	195.2	222.2
92.5°	23.9	24.3	28.1	34.3	44.7	54.7	61.2	81.2	119.8	123.2	142.5
95°	17.7	18.1	21.2	25.0	33.5	42.7	47.4	57.0	75.5	80.1	85.1
97.5°	13.9	14.2	16.2	18.5	24.6	33.5	37.7	42.0	51.6	53.1	57.0
100°	11.9	11.9	13.1	14.6	18.5	26.2	29.6	33.1	38.9	38.9	41.2
102.5°	10.0	10.0	10.8	11.6	15.0	20.8	23.9	26.2	29.3	29.6	31.6
105°	8.9	8.9	9.2	10.0	12.7	16.9	19.6	20.8	22.7	22.7	23.5
107.5°	7.7	7.7	8.1	8.5	11.2	14.2	15.8	16.2	16.9	16.9	18.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	7.3	7.3	7.3	7.7	9.6	12.3	13.1	12.7	13.1	13.1	14.2
112.5°	6.9	6.5	6.5	6.9	8.9	10.8	10.8	10.4	10.4	10.4	11.6
115°	6.5	6.5	6.2	6.5	8.1	9.2	9.2	8.5	8.5	8.5	9.6
117.5°	6.5	6.5	6.2	6.2	7.3	8.5	8.1	7.3	6.9	7.3	8.5
120°	6.5	6.5	5.8	5.8	6.9	7.3	7.3	6.2	6.2	6.2	7.3
122.5°	6.5	6.5	5.8	5.8	6.5	6.9	6.5	5.4	5.4	5.4	6.5
125°	6.9	6.5	5.8	5.8	6.2	6.2	5.8	5.0	4.6	4.6	5.8
127.5°	6.9	6.9	6.2	5.8	5.8	5.8	5.4	4.6	4.2	4.2	5.4
130°	7.7	7.3	6.5	5.8	5.4	5.0	4.6	4.2	4.2	4.2	5.0
132.5°	7.7	7.7	6.5	5.4	5.0	4.6	4.2	3.5	3.9	3.9	4.6
135°	7.3	6.9	5.8	5.0	4.6	3.9	3.5	3.1	3.5	3.5	4.2
137.5°	6.5	6.2	5.4	4.2	3.9	3.1	2.7	2.3	2.7	2.7	3.5
140°	5.4	5.4	4.2	3.5	3.1	2.7	2.3	1.5	1.9	2.3	2.7
142.5°	4.6	4.2	3.5	2.7	2.3	1.9	1.5	1.2	1.5	1.5	1.9
145°	3.9	3.5	2.7	1.9	1.5	1.2	0.8	0.8	0.8	0.8	1.2
147.5°	3.1	2.7	1.9	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.8
150°	2.3	2.3	1.5	0.8	0.4	0.4	0.0	0.4	0.4	0.4	0.4
152.5°	1.9	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	1.2	1.2	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°	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2.5°	97.8	97.0	96.3	95.5	94.7	94.3	93.2	92.4	92.4	92.4	92.0
5°	99.0	97.4	95.5	94.0	92.0	90.5	89.3	88.2	87.4	87.4	87.4
7.5°	101.7	100.1	96.7	93.6	90.9	88.6	87.0	85.9	85.5	85.1	85.1
10°	107.8	105.1	100.5	95.9	92.0	88.9	87.4	86.6	86.3	86.3	86.3
12.5°	121.7	117.8	110.9	103.2	96.7	92.0	90.5	90.5	92.8	94.0	94.0
15°	140.2	136.7	128.6	117.8	107.4	99.7	98.6	101.3	104.4	105.9	105.5
17.5°	165.6	161.0	150.2	135.9	122.1	114.4	110.9	113.6	117.4	119.4	119.4
20°	195.6	191.0	176.4	157.1	140.2	131.7	126.3	126.3	131.3	132.8	133.6
22.5°	236.8	229.9	209.1	182.5	160.6	147.5	140.9	139.8	145.6	148.2	147.5
25°	283.0	277.6	253.4	213.7	185.2	164.0	155.2	155.2	162.5	168.7	169.0
27.5°	347.7	334.2	300.3	251.8	209.1	179.4	169.8	171.7	179.4	185.6	185.6
30°	415.5	405.9	356.2	292.3	232.2	193.7	179.8	182.9	189.8	196.8	196.8
32.5°	497.5	481.3	420.1	332.3	253.4	202.9	185.2	189.4	197.5	204.5	204.5
35°	577.6	564.5	484.4	374.3	271.9	206.8	187.5	192.5	201.8	210.2	211.0
37.5°	670.8	642.3	547.2	412.0	285.3	207.5	186.8	195.6	207.9	217.6	217.9
40°	726.6	692.3	589.5	440.1	291.5	204.9	186.8	197.9	208.3	211.8	211.4
42.5°	792.8	749.7	619.2	443.6	283.8	199.5	186.4	195.2	199.8	199.8	199.5
45°	881.8	833.3	666.2	445.5	268.0	192.9	183.3	189.1	187.9	184.4	183.3
47.5°	990.8	931.8	725.8	452.4	252.6	186.4	179.8	181.4	176.0	168.3	167.9
50°	1120.9	1051.6	795.9	459.8	239.1	181.0	176.7	175.2	169.8	163.3	162.5
52.5°	1243.0	1159.4	859.5	464.8	228.0	177.5	174.4	174.0	168.7	160.2	159.4
55°	1353.5	1253.4	902.2	455.1	217.9	176.0	174.4	174.8	167.9	159.4	158.3
57.5°	1513.3	1403.5	970.0	440.9	206.0	175.6	175.6	176.0	167.5	159.4	158.3
60°	1652.3	1530.2	1036.6	439.7	194.5	175.2	176.0	175.6	169.4	164.4	163.3
62.5°	1700.0	1583.8	1039.7	412.0	187.1	173.3	174.4	176.4	175.2	172.9	171.7
65°	1790.1	1663.1	1052.8	380.8	176.7	169.8	172.5	177.5	178.3	176.7	175.6
66°	1783.6	1651.9	1040.0	371.2	173.3	167.9	171.4	176.7	178.3	177.9	177.1
67.5°	1751.3	1623.0	998.1	343.9	168.3	164.4	169.4	174.8	178.3	179.4	178.7
70°	1663.8	1536.0	914.5	302.7	158.6	156.3	163.3	170.2	176.0	177.9	177.5
72.5°	1417.8	1296.1	765.1	258.4	145.2	144.8	152.9	161.3	168.3	170.2	169.4
75°	1190.2	1070.5	628.4	212.9	131.3	131.7	139.4	147.5	152.9	152.9	153.3
77.5°	954.2	852.9	497.9	176.7	117.1	117.1	122.4	129.0	132.5	130.9	128.6
80°	733.9	666.9	388.9	147.9	102.8	102.0	104.7	109.7	112.4	109.0	106.3
82.5°	592.6	534.8	307.7	123.2	88.9	88.2	89.3	92.8	94.3	90.5	89.3
85°	449.8	397.8	231.4	101.3	77.0	75.1	77.0	77.8	79.7	76.2	73.9
87.5°	318.1	281.9	167.9	84.3	65.8	64.7	64.3	65.1	66.2	63.9	62.8
90°	213.7	187.5	121.3	70.5	56.2	54.3	53.5	53.5	54.3	50.4	49.3
92.5°	137.1	121.3	84.3	56.2	47.0	44.7	43.1	43.5	43.1	39.3	38.5
95°	85.5	77.4	60.8	44.3	37.7	35.8	34.3	33.9	33.5	30.8	30.0
97.5°	55.8	53.1	45.4	35.0	30.0	28.5	27.7	27.3	27.3	25.4	24.3
100°	41.6	40.4	35.8	29.3	24.6	23.5	22.7	22.7	23.5	21.9	21.2
102.5°	32.3	32.7	29.3	24.6	20.8	20.0	19.3	19.3	20.0	19.3	18.9
105°	24.6	24.6	23.9	20.4	17.7	17.3	16.6	16.6	17.3	17.3	17.3
107.5°	19.3	20.0	19.3	16.9	15.4	15.0	14.2	14.2	15.0	15.4	15.8



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.4	16.2	15.8	14.6	13.5	13.1	12.3	11.9	12.7	13.9	13.9
112.5°	12.3	13.1	13.1	12.3	11.6	11.6	10.8	10.4	11.2	12.3	12.3
115°	10.4	11.2	11.2	10.8	10.4	10.0	9.2	8.9	9.6	10.8	11.2
117.5°	8.9	9.6	9.6	9.6	9.2	8.9	8.1	7.7	8.1	9.2	9.6
120°	8.1	8.5	8.5	8.5	8.1	8.1	7.3	6.9	7.3	8.5	8.5
122.5°	6.9	7.3	7.7	7.7	7.3	7.3	6.5	5.8	6.2	7.3	7.7
125°	6.2	6.5	6.9	6.9	6.5	6.5	5.8	5.4	5.8	6.5	6.9
127.5°	5.8	6.2	6.2	6.2	6.2	5.8	5.0	4.6	5.0	6.2	6.2
130°	5.4	5.8	5.8	5.8	5.4	5.0	4.6	4.2	4.6	5.8	5.8
132.5°	5.0	5.4	5.4	5.0	5.0	4.6	3.9	3.5	4.2	5.0	5.0
135°	4.2	4.6	4.6	4.6	4.2	3.9	3.5	3.1	3.9	4.2	4.2
137.5°	3.5	3.9	3.9	3.9	3.5	3.1	2.7	2.7	3.1	3.9	3.9
140°	2.7	3.1	3.1	3.1	2.7	2.7	2.3	1.9	2.7	3.1	3.1
142.5°	1.9	2.3	2.3	2.3	1.9	1.9	1.5	1.5	2.3	2.7	2.7
145°	1.2	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.5	1.9	1.9
147.5°	0.8	1.2	1.2	1.2	1.2	0.8	0.4	0.8	1.2	1.5	1.5
150°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.8	1.2	1.2
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)