

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: P414213

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414213
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-PA1-20-730-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA 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: 2380 lumens
Efficiency: N/A
Efficacy: 113.3 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 - U2 - G1

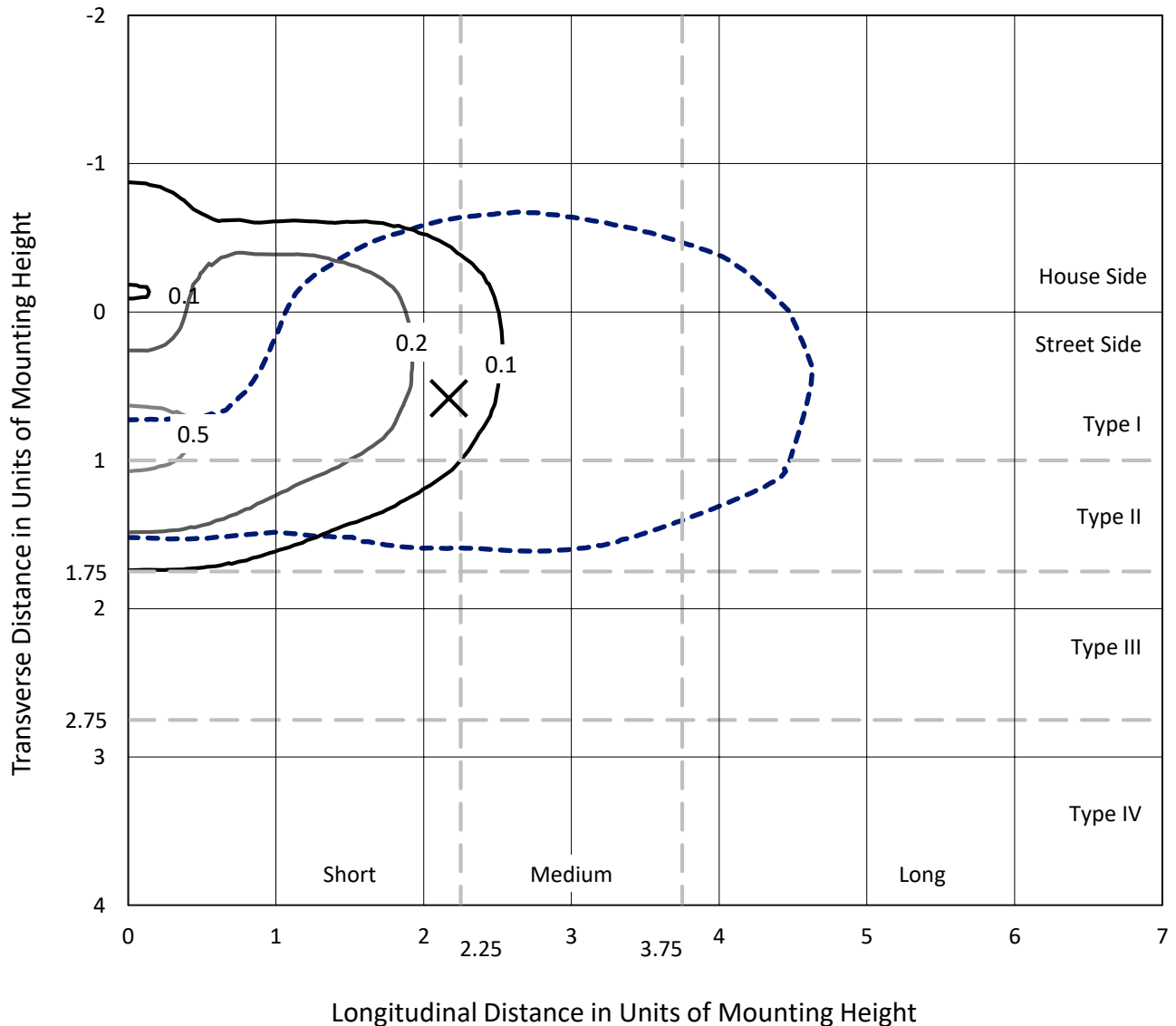
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

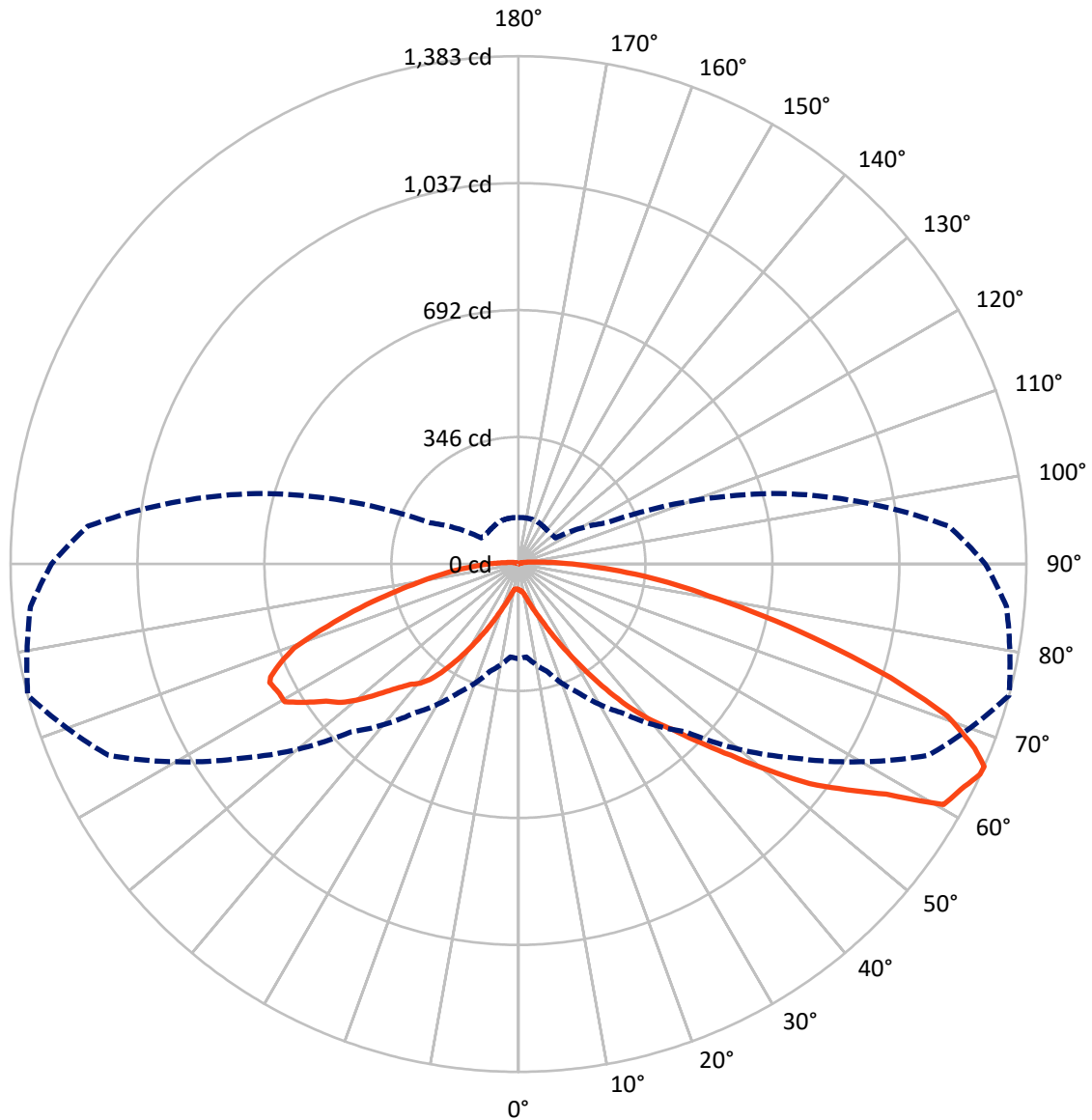
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	676.0	33.0	709.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	1638.4	32.6	1671.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	2314.4	65.6	2380.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.3
10°-20°	29.9	1.3
20°-30°	90.7	3.8
30°-40°	224.4	9.4
40°-50°	405.1	17.0
50°-60°	547.4	23.0
60°-70°	549.5	23.1
70°-80°	331.9	13.9
80°-90°	128.3	5.4
90°-100°	38.1	1.6
100°-110°	13.8	0.6
110°-120°	6.7	0.3
120°-130°	3.9	0.2
130°-140°	2.3	0.1
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2314.4	97.2
0°-180°	2380.0	100.0



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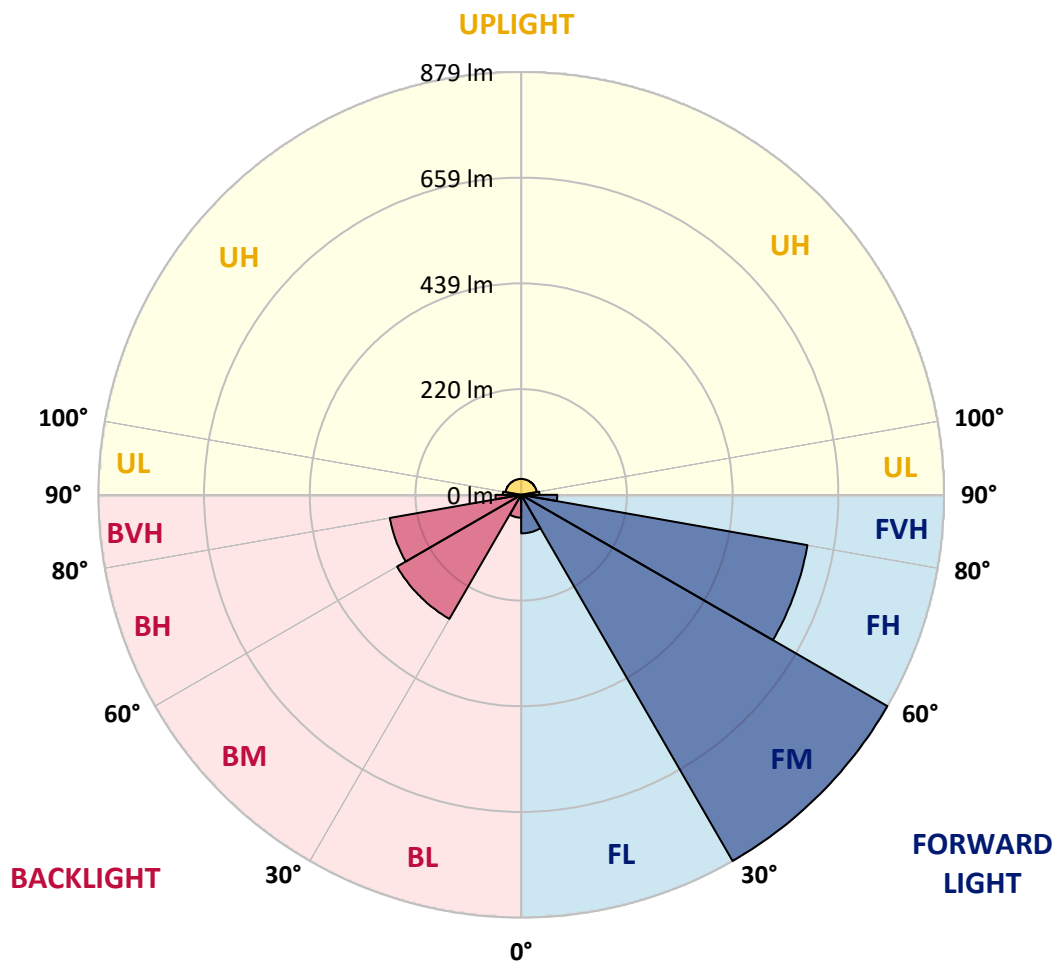
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.2	3.4			
FM (30°-60°)	879.0	36.9			
FH (60°-80°)	604.3	25.4			G0/660
FVH (80°-90°)	74.9	3.1			G1/100
BL (0°-30°)	47.5	2.0	B0/110		
BM (30°-60°)	298.0	12.5	B1/1000		
BH (60°-80°)	277.1	11.6	B1/500		G1/500
BVH (80°-90°)	53.4	2.2			G1/100
UL (90°-100°)	38.1	1.6		U2/50	
UH (100°-180°)	33.0	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2.5°	77.4	76.9	76.3	75.8	75.2	74.7	73.6	72.2	71.1	71.1	70.0
5°	84.5	84.0	83.2	82.1	81.0	79.9	77.7	75.5	73.3	73.3	71.4
7.5°	93.3	93.0	91.9	90.6	88.1	85.6	82.9	79.6	76.6	76.3	73.8
10°	104.6	104.0	102.4	100.5	97.7	94.4	90.6	86.5	82.1	81.8	78.8
12.5°	120.2	119.1	116.4	113.4	108.1	104.8	100.5	96.6	93.3	92.5	88.4
15°	140.5	139.2	136.1	130.9	124.1	118.0	115.6	111.4	107.9	106.8	102.9
17.5°	166.6	165.2	160.0	151.8	144.6	138.6	133.1	129.0	126.0	125.7	120.2
20°	202.3	199.0	190.5	179.0	169.6	162.2	154.5	149.9	146.8	145.7	142.4
22.5°	246.2	245.4	233.3	218.2	202.8	189.4	180.9	175.7	173.5	173.7	171.8
25°	302.2	299.7	288.2	266.2	243.2	226.2	214.4	211.1	210.8	208.9	208.0
27.5°	362.0	358.7	343.6	322.5	292.0	269.0	255.8	252.2	253.1	250.9	252.5
30°	435.3	433.7	411.7	381.0	348.0	317.8	304.1	301.1	303.0	305.8	304.1
32.5°	525.9	528.3	498.4	457.0	410.9	376.0	360.9	359.8	362.6	362.0	361.2
35°	636.2	640.6	599.2	548.9	485.5	444.1	425.1	423.8	429.3	428.7	429.3
37.5°	754.2	756.2	722.4	642.8	569.0	511.6	496.0	494.3	499.5	496.5	493.5
40°	847.3	856.3	816.8	748.5	652.1	593.7	574.7	565.7	561.0	557.7	535.8
42.5°	935.4	929.9	901.9	825.9	737.5	673.8	648.6	631.5	616.5	614.3	590.1
45°	993.0	986.2	959.5	889.3	806.4	753.7	730.4	709.8	692.8	685.1	656.0
47.5°	996.3	993.0	986.7	934.0	861.6	815.7	808.0	797.1	778.4	778.7	741.3
50°	946.1	940.9	959.3	939.2	889.0	864.8	893.9	906.0	882.1	879.7	841.0
52.5°	857.2	854.4	887.9	907.7	889.8	899.2	968.3	1012.2	993.6	983.7	933.7
55°	767.1	770.4	799.5	831.4	860.7	909.0	1034.2	1121.7	1085.0	1078.4	1016.1
57.5°	644.4	655.4	698.8	748.7	794.9	895.3	1068.8	1191.2	1181.9	1179.4	1126.1
60°	510.0	508.9	573.1	645.8	721.6	850.0	1070.7	1278.5	1330.3	1318.5	1243.3
62.5°	396.1	398.8	444.9	536.0	637.6	781.1	1044.3	1317.4	1352.0	1338.6	1273.0
65°	286.8	291.2	347.5	421.0	535.8	688.1	969.4	1264.5	1381.4	1373.2	1336.1
66°	257.7	253.9	303.3	386.7	495.7	646.9	922.2	1232.4	1383.0	1378.4	1334.2
67.5°	207.2	212.2	250.3	323.0	431.2	581.3	836.8	1181.0	1340.2	1333.9	1304.3
70°	153.4	158.1	184.2	242.4	327.2	463.6	691.9	1020.2	1239.2	1243.9	1240.6
72.5°	113.6	118.6	136.4	178.4	242.1	344.7	548.4	859.9	1059.7	1070.7	1063.0
75°	88.4	90.3	105.1	134.5	177.0	242.9	405.7	666.4	862.6	883.0	890.1
77.5°	71.1	72.7	84.8	103.7	132.6	177.3	284.3	496.8	682.9	697.1	710.6
80°	57.4	58.5	68.3	83.4	101.6	126.8	191.9	360.9	524.0	532.2	552.0
82.5°	46.1	46.9	54.1	67.0	81.2	96.3	136.4	252.0	411.4	419.1	444.1
85°	36.2	36.8	43.1	53.2	65.3	76.3	98.5	178.1	296.4	303.6	333.8
87.5°	28.5	29.1	34.0	41.4	52.7	60.4	72.7	119.9	200.1	210.2	244.5
90°	22.5	22.8	26.3	32.1	40.9	49.1	57.1	83.7	133.4	139.2	158.4
92.5°	17.0	17.3	20.0	24.4	31.8	39.0	43.6	57.9	85.4	87.8	101.6
95°	12.6	12.9	15.1	17.8	23.9	30.5	33.8	40.6	53.8	57.1	60.7
97.5°	9.9	10.2	11.5	13.2	17.6	23.9	26.9	29.9	36.8	37.9	40.6
100°	8.5	8.5	9.3	10.4	13.2	18.7	21.1	23.6	27.7	27.7	29.4
102.5°	7.1	7.1	7.7	8.2	10.7	14.8	17.0	18.7	20.9	21.1	22.5
105°	6.3	6.3	6.6	7.1	9.1	12.1	14.0	14.8	16.2	16.2	16.7
107.5°	5.5	5.5	5.8	6.0	8.0	10.2	11.3	11.5	12.1	12.1	12.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	5.2	5.2	5.2	5.5	6.9	8.8	9.3	9.1	9.3	9.3	10.2
112.5°	4.9	4.7	4.7	4.9	6.3	7.7	7.7	7.4	7.4	7.4	8.2
115°	4.7	4.7	4.4	4.7	5.8	6.6	6.6	6.0	6.0	6.0	6.9
117.5°	4.7	4.7	4.4	4.4	5.2	6.0	5.8	5.2	4.9	5.2	6.0
120°	4.7	4.7	4.1	4.1	4.9	5.2	5.2	4.4	4.4	4.4	5.2
122.5°	4.7	4.7	4.1	4.1	4.7	4.9	4.7	3.8	3.8	3.8	4.7
125°	4.9	4.7	4.1	4.1	4.4	4.4	4.1	3.6	3.3	3.3	4.1
127.5°	4.9	4.9	4.4	4.1	4.1	4.1	3.8	3.3	3.0	3.0	3.8
130°	5.5	5.2	4.7	4.1	3.8	3.6	3.3	3.0	3.0	3.0	3.6
132.5°	5.5	5.5	4.7	3.8	3.6	3.3	3.0	2.5	2.7	2.7	3.3
135°	5.2	4.9	4.1	3.6	3.3	2.7	2.5	2.2	2.5	2.5	3.0
137.5°	4.7	4.4	3.8	3.0	2.7	2.2	1.9	1.6	1.9	1.9	2.5
140°	3.8	3.8	3.0	2.5	2.2	1.9	1.6	1.1	1.4	1.6	1.9
142.5°	3.3	3.0	2.5	1.9	1.6	1.4	1.1	0.8	1.1	1.1	1.4
145°	2.7	2.5	1.9	1.4	1.1	0.8	0.5	0.5	0.5	0.5	0.8
147.5°	2.2	1.9	1.4	0.8	0.5	0.5	0.3	0.3	0.5	0.5	0.5
150°	1.6	1.6	1.1	0.5	0.3	0.3	0.0	0.3	0.3	0.3	0.3
152.5°	1.4	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	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°	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2.5°	69.7	69.2	68.6	68.1	67.5	67.2	66.4	65.9	65.9	65.9	65.6
5°	70.5	69.4	68.1	67.0	65.6	64.5	63.7	62.9	62.3	62.3	62.3
7.5°	72.5	71.4	68.9	66.7	64.8	63.1	62.0	61.2	60.9	60.7	60.7
10°	76.9	74.9	71.6	68.3	65.6	63.4	62.3	61.8	61.5	61.5	61.5
12.5°	86.7	84.0	79.0	73.6	68.9	65.6	64.5	64.5	66.1	67.0	67.0
15°	99.9	97.4	91.7	84.0	76.6	71.1	70.3	72.2	74.4	75.5	75.2
17.5°	118.0	114.7	107.0	96.9	87.0	81.5	79.0	81.0	83.7	85.1	85.1
20°	139.4	136.1	125.7	112.0	99.9	93.9	90.0	90.0	93.6	94.7	95.2
22.5°	168.8	163.9	149.0	130.1	114.5	105.1	100.5	99.6	103.7	105.7	105.1
25°	201.7	197.9	180.6	152.3	132.0	116.9	110.6	110.6	115.8	120.2	120.5
27.5°	247.8	238.2	214.1	179.5	149.0	127.9	121.0	122.4	127.9	132.3	132.3
30°	296.1	289.3	253.9	208.3	165.5	138.1	128.2	130.4	135.3	140.3	140.3
32.5°	354.6	343.1	299.4	236.9	180.6	144.6	132.0	135.0	140.8	145.7	145.7
35°	411.7	402.4	345.3	266.8	193.8	147.4	133.7	137.2	143.8	149.9	150.4
37.5°	478.1	457.8	390.0	293.7	203.4	147.9	133.1	139.4	148.2	155.1	155.3
40°	517.9	493.5	420.2	313.7	207.8	146.0	133.1	141.1	148.5	151.0	150.7
42.5°	565.1	534.4	441.3	316.2	202.3	142.2	132.8	139.2	142.4	142.4	142.2
45°	628.5	593.9	474.8	317.6	191.0	137.5	130.6	134.8	133.9	131.5	130.6
47.5°	706.2	664.2	517.4	322.5	180.0	132.8	128.2	129.3	125.4	119.9	119.7
50°	799.0	749.6	567.3	327.7	170.4	129.0	126.0	124.9	121.0	116.4	115.8
52.5°	886.0	826.4	612.6	331.3	162.5	126.5	124.3	124.1	120.2	114.2	113.6
55°	964.7	893.4	643.1	324.4	155.3	125.4	124.3	124.6	119.7	113.6	112.8
57.5°	1078.7	1000.4	691.4	314.3	146.8	125.2	125.2	125.4	119.4	113.6	112.8
60°	1177.7	1090.7	738.9	313.4	138.6	124.9	125.4	125.2	120.8	117.2	116.4
62.5°	1211.8	1128.9	741.1	293.7	133.4	123.5	124.3	125.7	124.9	123.2	122.4
65°	1276.0	1185.4	750.4	271.4	126.0	121.0	123.0	126.5	127.1	126.0	125.2
66°	1271.3	1177.5	741.3	264.6	123.5	119.7	122.1	126.0	127.1	126.8	126.3
67.5°	1248.3	1156.9	711.4	245.1	119.9	117.2	120.8	124.6	127.1	127.9	127.4
70°	1186.0	1094.8	651.9	215.7	113.1	111.4	116.4	121.3	125.4	126.8	126.5
72.5°	1010.6	923.9	545.4	184.2	103.5	103.2	109.0	115.0	119.9	121.3	120.8
75°	848.4	763.0	447.9	151.8	93.6	93.9	99.4	105.1	109.0	109.0	109.2
77.5°	680.1	607.9	354.9	126.0	83.4	83.4	87.3	91.9	94.4	93.3	91.7
80°	523.1	475.4	277.2	105.4	73.3	72.7	74.7	78.2	80.1	77.7	75.8
82.5°	422.4	381.2	219.3	87.8	63.4	62.9	63.7	66.1	67.2	64.5	63.7
85°	320.6	283.5	165.0	72.2	54.9	53.5	54.9	55.4	56.8	54.3	52.7
87.5°	226.7	200.9	119.7	60.1	46.9	46.1	45.8	46.4	47.2	45.6	44.7
90°	152.3	133.7	86.5	50.2	40.1	38.7	38.2	38.2	38.7	36.0	35.1
92.5°	97.7	86.5	60.1	40.1	33.5	31.8	30.7	31.0	30.7	28.0	27.4
95°	60.9	55.2	43.4	31.6	26.9	25.5	24.4	24.2	23.9	22.0	21.4
97.5°	39.8	37.9	32.4	25.0	21.4	20.3	19.8	19.5	19.5	18.1	17.3
100°	29.6	28.8	25.5	20.9	17.6	16.7	16.2	16.2	16.7	15.6	15.1
102.5°	23.1	23.3	20.9	17.6	14.8	14.3	13.7	13.7	14.3	13.7	13.4
105°	17.6	17.6	17.0	14.5	12.6	12.4	11.8	11.8	12.4	12.4	12.4
107.5°	13.7	14.3	13.7	12.1	11.0	10.7	10.2	10.2	10.7	11.0	11.3



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.0	11.5	11.3	10.4	9.6	9.3	8.8	8.5	9.1	9.9	9.9
112.5°	8.8	9.3	9.3	8.8	8.2	8.2	7.7	7.4	8.0	8.8	8.8
115°	7.4	8.0	8.0	7.7	7.4	7.1	6.6	6.3	6.9	7.7	8.0
117.5°	6.3	6.9	6.9	6.9	6.6	6.3	5.8	5.5	5.8	6.6	6.9
120°	5.8	6.0	6.0	6.0	5.8	5.8	5.2	4.9	5.2	6.0	6.0
122.5°	4.9	5.2	5.5	5.5	5.2	5.2	4.7	4.1	4.4	5.2	5.5
125°	4.4	4.7	4.9	4.9	4.7	4.7	4.1	3.8	4.1	4.7	4.9
127.5°	4.1	4.4	4.4	4.4	4.4	4.1	3.6	3.3	3.6	4.4	4.4
130°	3.8	4.1	4.1	4.1	3.8	3.6	3.3	3.0	3.3	4.1	4.1
132.5°	3.6	3.8	3.8	3.6	3.6	3.3	2.7	2.5	3.0	3.6	3.6
135°	3.0	3.3	3.3	3.3	3.0	2.7	2.5	2.2	2.7	3.0	3.0
137.5°	2.5	2.7	2.7	2.7	2.5	2.2	1.9	1.9	2.2	2.7	2.7
140°	1.9	2.2	2.2	2.2	1.9	1.9	1.6	1.4	1.9	2.2	2.2
142.5°	1.4	1.6	1.6	1.6	1.4	1.4	1.1	1.1	1.6	1.9	1.9
145°	0.8	1.1	1.1	1.1	1.1	0.8	0.8	0.8	1.1	1.4	1.4
147.5°	0.5	0.8	0.8	0.8	0.8	0.5	0.3	0.5	0.8	1.1	1.1
150°	0.3	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.5	0.8	0.8
152.5°	0.3	0.3	0.5	0.5	0.3	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.0
157.5°	0.0	0.0	0.0	0.3	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)