

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: P414314

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-750-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2544.9 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - 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

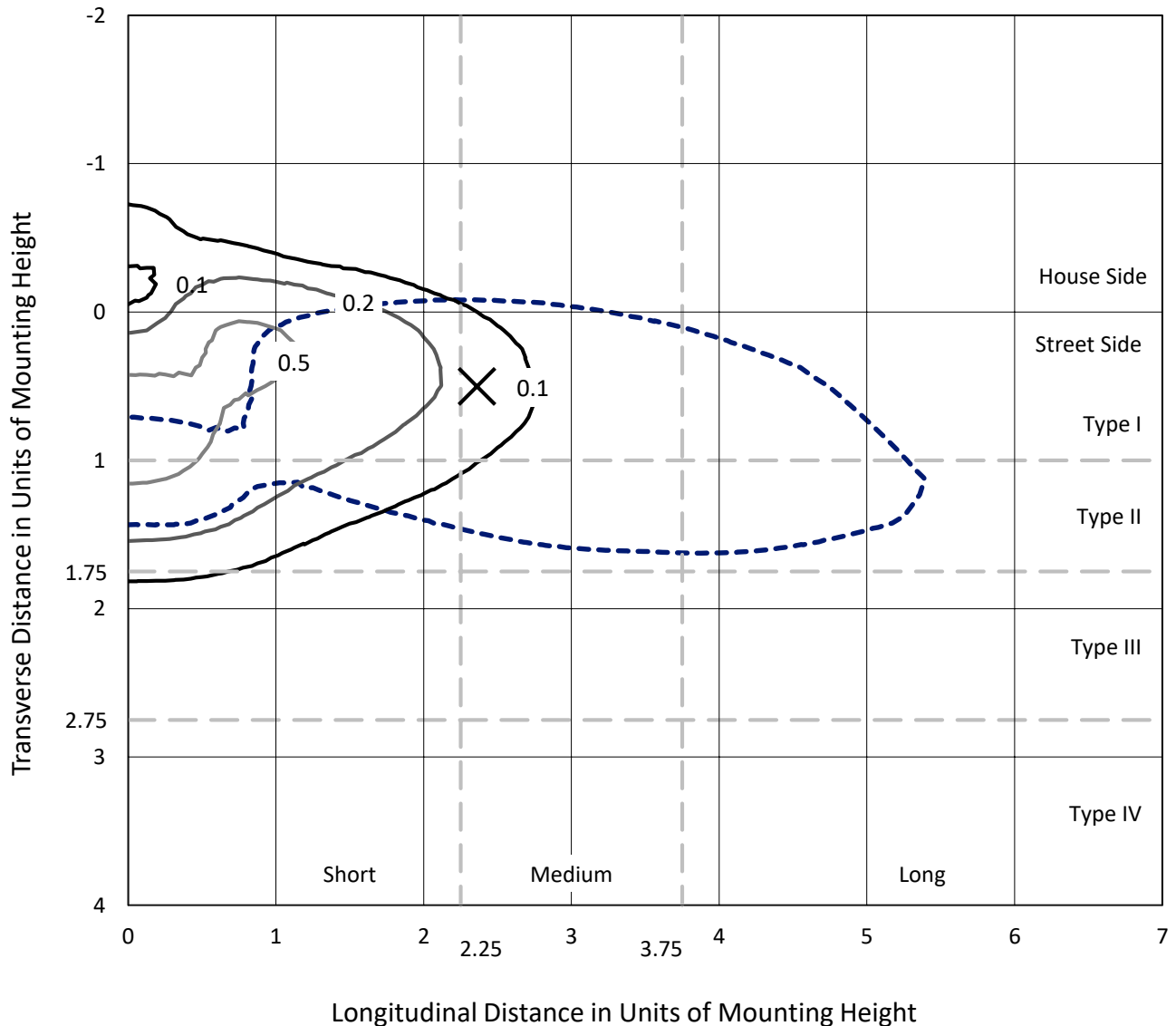


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

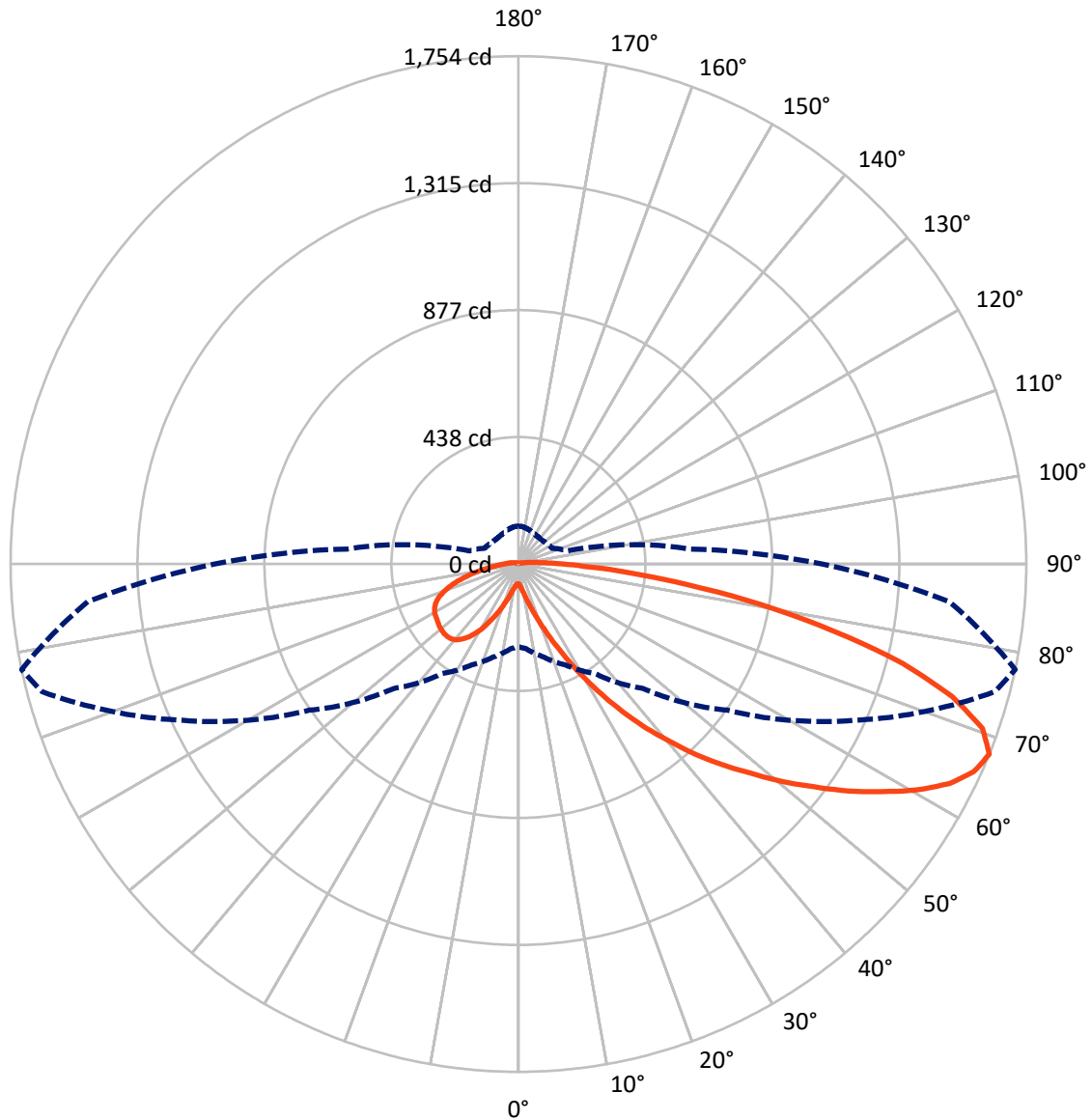


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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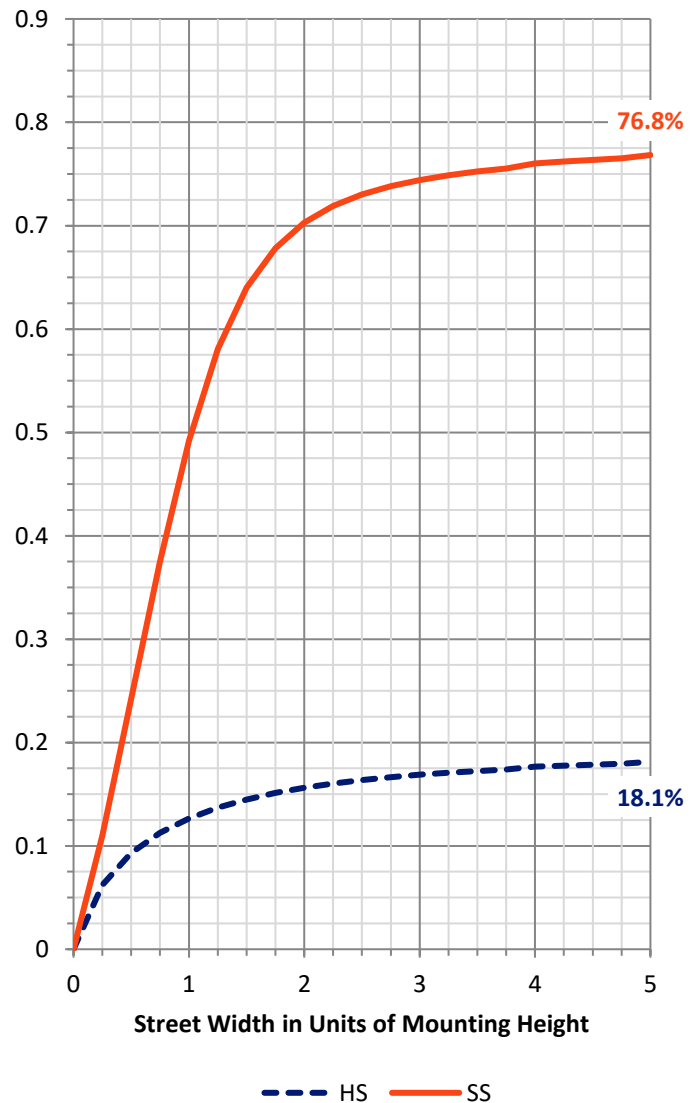
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.6	39.2	522.8
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	1982.4	39.8	2022.1
	% Fixture	77.9	1.6	79.5
Total	Lumens	2465.9	79.0	2544.9
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.3
10°-20°	39.5	1.6
20°-30°	120.5	4.7
30°-40°	269.5	10.6
40°-50°	444.1	17.5
50°-60°	546.6	21.5
60°-70°	530.1	20.8
70°-80°	367.1	14.4
80°-90°	140.5	5.5
90°-100°	40.3	1.6
100°-110°	17.5	0.7
110°-120°	9.4	0.4
120°-130°	5.8	0.2
130°-140°	3.6	0.1
140°-150°	1.8	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2465.9	96.9
0°-180°	2544.9	100.0

Coefficient of Utilization



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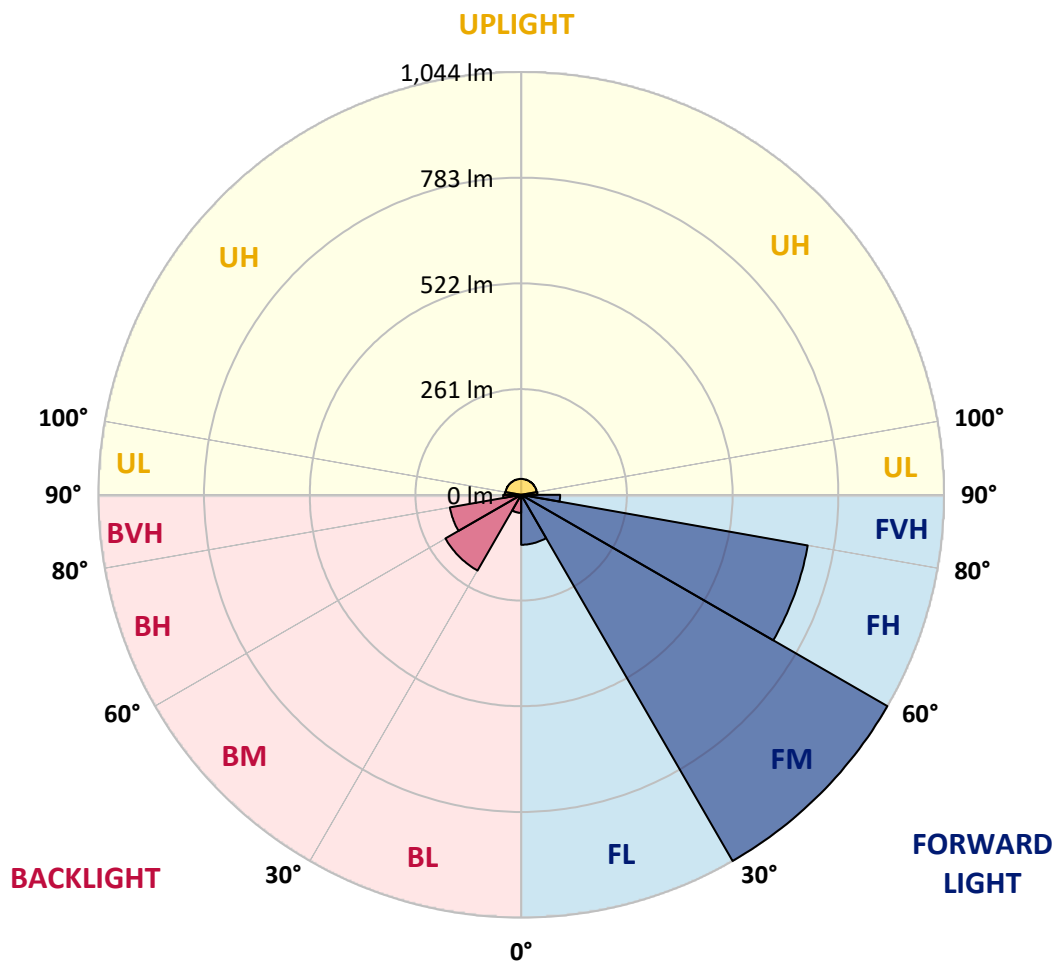
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.4	4.8			
FM	(30°-60°)	1044.2	41.0			
FH	(60°-80°)	718.6	28.2			G1/1800
FVH	(80°-90°)	96.2	3.8			G1/100
BL	(0°-30°)	44.5	1.8	B0/110		
BM	(30°-60°)	216.0	8.5	B0/220		
BH	(60°-80°)	178.7	7.0	B1/500		G1/500
BVH	(80°-90°)	44.4	1.7			G1/100
UL	(90°-100°)	40.3	1.6		U2/50	
UH	(100°-180°)	39.2	1.5		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	82.6	82.0	82.0	81.7	80.5	79.3	77.5	75.4	73.5	72.3	71.1
5°	100.4	98.3	98.9	97.1	94.9	92.5	89.2	84.7	80.5	79.6	76.3
7.5°	121.8	119.1	120.0	117.9	113.9	108.8	104.3	97.7	91.3	89.2	84.4
10°	148.9	146.2	144.7	141.7	137.1	130.5	123.6	114.8	106.1	103.1	97.1
12.5°	181.2	179.0	176.9	172.7	165.5	157.0	148.3	138.7	127.2	123.3	113.9
15°	221.2	219.4	214.9	209.2	198.6	189.3	176.0	167.3	153.1	148.3	136.8
17.5°	266.2	262.5	258.0	249.6	237.5	225.8	214.6	199.8	184.5	180.6	166.4
20°	321.6	320.4	311.7	297.5	284.2	268.3	257.4	242.9	225.8	220.3	201.6
22.5°	387.3	384.9	374.7	353.3	333.4	312.9	304.1	289.1	276.7	269.2	244.8
25°	466.3	461.8	444.9	419.3	390.9	366.5	352.1	346.6	337.0	325.5	295.7
27.5°	550.4	550.7	527.5	489.5	450.0	420.8	409.6	411.7	400.0	393.7	357.2
30°	654.4	646.8	616.4	569.7	516.3	478.7	472.0	482.6	479.3	466.9	423.8
32.5°	758.4	755.7	718.0	654.1	584.2	542.9	538.0	560.9	560.0	547.7	492.8
35°	862.1	859.0	812.3	737.9	655.0	607.7	603.4	633.6	644.4	632.1	570.6
37.5°	966.4	959.4	912.4	822.0	722.2	667.0	668.8	706.8	732.1	721.0	645.6
40°	1058.3	1057.1	1002.2	899.4	787.0	727.3	739.4	789.4	820.5	805.1	721.9
42.5°	1128.8	1123.7	1075.2	963.6	845.2	783.7	804.5	870.8	910.6	900.0	797.0
45°	1161.4	1158.4	1119.5	1012.2	890.4	832.5	865.4	946.2	1000.4	989.0	874.1
47.5°	1152.6	1149.9	1128.8	1036.0	920.2	874.4	919.0	1019.4	1094.8	1079.4	951.0
50°	1100.2	1102.9	1096.3	1029.0	930.8	901.2	970.0	1092.6	1187.0	1179.8	1025.1
52.5°	1004.3	1012.2	1022.7	992.9	921.1	913.3	1006.7	1156.2	1278.6	1278.3	1107.4
55°	879.8	885.3	922.0	916.6	884.4	913.0	1033.9	1218.9	1381.7	1383.2	1192.4
57.5°	747.8	745.1	793.9	822.3	830.7	889.8	1047.1	1274.4	1472.7	1483.3	1282.2
60°	603.4	613.4	659.2	717.1	748.7	844.0	1042.6	1313.6	1560.4	1583.7	1363.9
62.5°	490.4	485.9	536.2	599.2	663.4	778.3	1009.8	1332.0	1643.9	1669.9	1439.3
65°	370.4	379.8	425.3	481.1	557.3	695.4	956.7	1322.3	1695.5	1728.6	1486.6
67.5°	285.7	293.0	331.9	384.3	462.1	607.4	880.1	1277.4	1703.3	1753.7	1493.2
70°	220.9	226.7	254.1	298.7	372.9	510.3	772.5	1191.8	1660.5	1699.7	1432.3
72.5°	176.0	178.4	197.7	233.9	294.5	416.3	655.6	1057.4	1531.2	1566.2	1307.6
75°	138.4	142.0	157.6	184.8	230.0	332.8	535.9	893.4	1334.4	1370.6	1135.4
77.5°	110.0	113.6	125.4	144.4	178.4	256.5	418.7	727.9	1089.3	1111.6	904.6
80°	87.4	89.2	99.2	113.3	138.7	197.7	315.3	552.5	825.0	848.2	672.2
82.5°	66.3	67.8	77.8	90.1	108.2	149.8	227.9	388.5	581.1	587.5	456.3
85°	47.6	50.3	58.5	68.7	82.9	111.5	163.4	263.7	370.7	380.4	289.1
87.5°	33.8	35.0	43.1	52.7	63.3	82.6	113.6	173.6	228.2	225.5	175.4
90°	22.9	23.8	31.0	38.9	48.2	61.8	79.3	109.1	140.2	135.6	110.0
92.5°	15.4	16.9	22.9	29.5	37.7	47.6	56.4	71.4	86.8	82.6	69.9
95°	11.5	12.1	17.5	23.5	30.1	36.5	41.9	48.8	55.5	54.3	48.2
97.5°	9.0	9.6	14.2	19.3	24.4	29.5	32.6	35.0	38.6	38.3	34.7
100°	7.8	8.1	12.1	16.6	21.1	24.7	26.5	27.1	28.3	27.7	26.5
102.5°	6.6	7.2	10.5	14.5	18.4	21.1	22.3	21.7	21.4	20.8	19.6
105°	6.0	6.3	9.3	13.0	16.3	18.4	18.7	17.8	16.3	16.0	15.4
107.5°	5.7	6.0	8.4	11.8	14.5	16.3	16.0	14.8	13.0	12.4	12.1
110°	5.4	5.7	7.8	10.5	13.3	14.5	14.2	12.4	10.2	9.6	9.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	5.4	5.4	7.2	9.6	12.1	13.0	12.4	10.5	8.4	8.1	8.4
115°	5.1	5.4	6.9	9.0	10.9	11.8	10.9	9.0	7.2	6.9	7.2
117.5°	5.1	5.4	6.6	8.4	10.2	10.5	9.6	7.8	6.0	6.0	6.6
120°	5.1	5.4	6.3	7.8	9.3	9.6	8.7	6.9	5.4	5.4	6.0
122.5°	5.4	5.4	6.0	7.5	8.7	9.0	7.8	6.0	5.1	5.1	5.7
125°	5.4	5.4	6.0	6.9	8.1	8.1	7.2	5.4	4.5	4.5	5.4
127.5°	5.4	5.4	6.0	6.6	7.5	7.5	6.6	5.1	4.2	4.2	5.1
130°	5.4	5.7	5.7	6.3	6.9	6.9	6.0	4.5	4.2	4.2	4.8
132.5°	5.7	5.7	5.7	6.0	6.6	6.3	5.1	4.2	3.9	3.9	4.5
135°	5.4	5.4	5.4	5.7	6.0	5.7	4.5	3.6	3.6	3.9	4.2
137.5°	5.4	5.4	5.4	5.1	5.4	5.1	4.2	3.3	3.3	3.6	3.9
140°	4.8	5.1	4.8	4.8	4.8	4.5	3.6	2.7	3.0	3.3	3.3
142.5°	4.5	4.5	4.5	4.2	4.2	3.9	3.0	2.4	2.7	2.7	3.0
145°	4.2	4.2	3.9	3.6	3.6	3.0	2.4	2.1	2.4	2.4	2.7
147.5°	3.6	3.6	3.6	3.0	2.7	2.4	1.5	1.5	1.8	2.1	2.1
150°	3.0	3.0	3.0	2.7	2.1	1.8	1.2	1.5	1.5	1.5	1.8
152.5°	2.4	2.4	2.4	2.1	1.8	1.2	0.9	1.2	1.2	1.2	1.5
155°	1.5	1.5	1.5	1.5	1.2	0.6	0.9	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6
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°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	70.2	69.3	67.8	66.3	64.8	63.3	62.1	61.8	60.9	60.9	60.6
5°	74.5	72.9	69.0	66.0	62.7	60.0	57.9	57.0	56.1	55.5	55.5
7.5°	82.0	78.7	72.9	67.8	63.3	59.4	56.7	55.2	54.0	53.4	53.4
10°	92.2	88.0	79.3	71.7	65.1	60.3	57.3	55.5	54.6	54.0	53.7
12.5°	107.3	101.3	88.6	77.8	69.3	63.3	59.4	58.2	58.5	58.5	58.5
15°	127.8	119.1	101.9	87.1	75.1	67.2	64.5	64.5	65.4	65.7	65.1
17.5°	154.3	142.6	118.5	96.5	82.3	74.1	71.1	71.1	72.6	73.5	73.5
20°	186.9	170.0	135.9	108.8	90.7	82.0	78.4	78.7	80.5	81.7	81.7
22.5°	224.3	204.4	158.2	121.5	100.1	88.9	85.0	85.3	88.3	89.8	90.4
25°	272.8	242.0	180.6	134.4	108.8	95.5	91.6	91.9	95.9	98.0	98.0
27.5°	324.0	283.9	203.2	147.1	116.3	101.6	97.7	98.6	102.8	104.6	105.2
30°	378.6	328.5	225.8	157.9	122.4	106.1	102.2	104.0	107.9	110.6	110.9
32.5°	439.2	372.3	243.8	166.7	127.5	110.0	106.1	108.8	112.1	115.1	115.4
35°	502.5	415.7	259.8	172.7	130.8	113.3	109.1	111.8	115.1	117.9	117.6
37.5°	559.1	451.2	270.4	175.1	132.6	115.1	111.2	113.9	117.0	119.1	119.1
40°	614.9	488.3	275.5	173.3	132.6	116.0	112.1	115.1	117.9	119.1	119.1
42.5°	667.9	515.7	274.6	169.7	132.0	116.3	112.7	115.4	117.9	118.5	118.5
45°	713.8	541.0	269.2	163.7	129.9	116.0	113.0	115.4	117.3	117.3	117.6
47.5°	768.0	560.9	261.3	157.3	127.5	115.4	112.4	115.1	116.6	116.6	116.3
50°	816.8	580.2	250.8	150.4	125.4	114.8	112.1	114.8	116.6	116.0	116.0
52.5°	868.7	597.4	239.9	144.1	123.3	114.5	112.1	114.8	116.6	116.3	116.6
55°	916.6	614.6	226.4	138.4	122.1	114.2	112.4	115.1	117.6	117.6	117.3
57.5°	978.1	623.6	215.8	134.4	120.9	114.2	112.7	115.7	118.8	119.1	119.4
60°	1021.5	635.4	207.1	132.0	120.9	114.8	113.6	116.6	120.6	122.1	123.0
62.5°	1053.2	634.8	196.5	130.8	121.2	115.4	114.5	117.6	122.7	124.8	126.0
65°	1069.7	623.9	185.7	129.9	121.5	116.0	115.1	118.2	124.2	128.1	129.3
67.5°	1048.0	594.7	174.5	128.4	121.2	115.7	115.4	118.8	125.1	130.2	130.8
70°	995.3	545.3	161.3	125.1	120.0	114.8	114.5	117.3	124.2	130.2	130.8
72.5°	895.2	482.6	145.9	120.3	117.3	112.7	111.8	114.5	121.2	127.2	127.2
75°	761.4	409.9	130.8	113.3	111.8	109.1	108.2	109.7	115.4	121.2	121.5
77.5°	596.2	326.4	114.8	103.7	105.2	103.1	102.2	103.1	108.2	112.1	112.4
80°	453.6	248.7	99.5	92.2	95.9	95.2	94.3	94.0	97.7	100.7	99.8
82.5°	312.9	176.9	82.3	80.2	84.1	85.0	84.7	82.6	85.3	87.7	86.2
85°	202.0	125.1	68.7	67.8	71.4	72.9	72.6	71.1	71.7	74.5	71.4
87.5°	130.5	89.8	56.7	56.1	59.1	60.9	60.9	57.9	59.1	61.8	58.5
90°	81.7	63.6	47.3	47.0	49.1	50.0	48.8	47.0	47.6	49.1	47.9
92.5°	57.9	47.9	39.5	39.5	40.1	40.7	40.1	38.0	39.2	39.2	39.2
95°	42.2	38.0	34.4	33.8	33.5	33.2	32.9	31.3	32.6	32.3	31.3
97.5°	32.3	30.4	29.2	28.9	28.3	28.0	27.7	26.5	27.4	26.8	26.2
100°	25.3	25.0	25.0	25.0	24.4	23.5	23.5	23.2	23.2	22.3	22.3
102.5°	20.2	20.2	21.4	21.7	21.1	20.5	20.5	20.2	19.9	18.7	18.4
105°	16.0	16.6	18.4	18.7	18.4	17.8	17.5	17.5	16.9	15.4	15.4
107.5°	13.0	13.6	15.7	16.3	16.0	15.7	15.4	15.1	14.5	13.0	13.0
110°	10.5	11.5	13.3	14.2	13.9	13.6	13.6	13.0	12.4	11.2	11.2



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CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	9.9	11.5	12.4	12.4	12.1	11.8	11.5	10.5	9.6	9.6
115°	7.8	8.7	10.2	10.9	10.9	10.5	10.2	9.9	9.0	8.4	8.7
117.5°	7.2	7.8	9.0	9.6	9.6	9.3	9.0	8.7	8.1	7.8	7.8
120°	6.6	7.2	8.1	8.7	8.7	8.4	8.1	7.8	7.2	7.2	7.2
122.5°	6.0	6.6	7.5	7.8	7.8	7.5	7.2	6.9	6.3	6.6	6.6
125°	5.7	6.0	6.6	7.2	7.2	6.9	6.6	6.0	5.7	6.0	6.0
127.5°	5.4	5.7	6.3	6.6	6.6	6.3	5.7	5.4	5.1	5.4	5.4
130°	5.1	5.4	5.7	6.0	6.0	5.4	5.1	4.8	4.8	5.1	5.1
132.5°	4.8	5.1	5.1	5.4	5.4	5.1	4.5	4.2	4.2	4.5	4.5
135°	4.5	4.5	4.8	4.8	4.8	4.5	3.9	3.6	3.9	4.2	4.2
137.5°	3.9	4.2	4.2	4.5	4.2	3.9	3.3	3.3	3.6	3.6	3.6
140°	3.6	3.6	3.9	3.9	3.6	3.3	3.0	2.7	3.0	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	3.3	2.7	2.4	2.4	2.7	2.7	2.7
145°	2.7	2.7	3.0	2.7	2.7	2.1	1.8	2.1	2.4	2.4	2.4
147.5°	2.1	2.4	2.4	2.4	2.1	1.5	1.2	1.8	2.1	2.1	2.1
150°	1.8	1.8	1.8	1.8	1.8	1.2	0.9	1.5	1.8	1.8	1.8
152.5°	1.5	1.5	1.8	1.8	1.5	0.9	0.6	1.2	1.5	1.5	1.2
155°	1.2	1.2	1.5	1.5	1.2	0.6	0.6	0.9	1.2	1.2	0.9
157.5°	0.9	1.2	1.2	1.2	0.9	0.6	0.3	0.6	0.9	0.9	0.9
160°	0.9	0.9	0.9	1.2	0.9	0.6	0.3	0.6	0.9	0.6	0.6
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)