

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: P414341

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2594.9 lumens
Efficiency: N/A
Efficacy: 123.6 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): 21
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

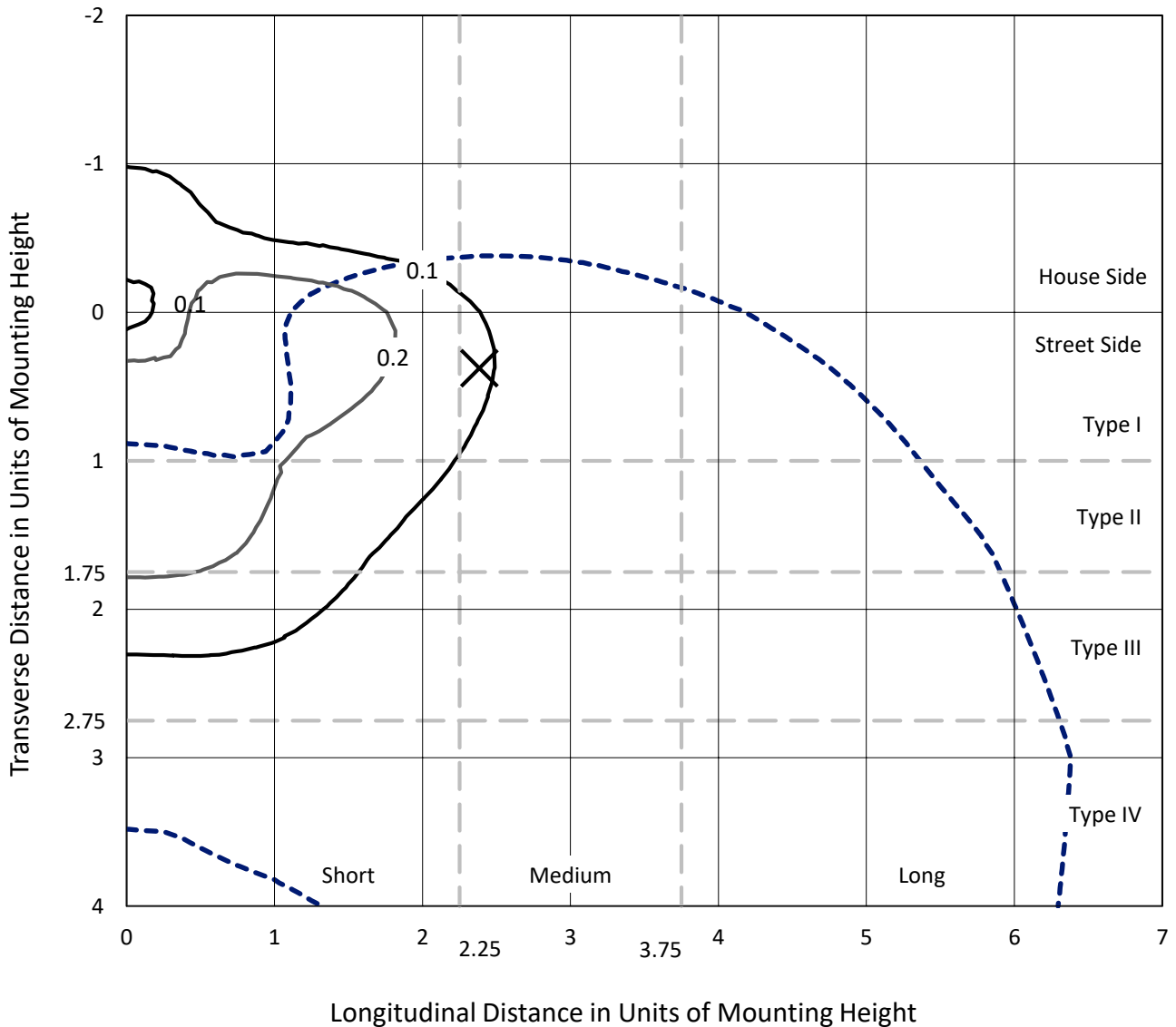


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

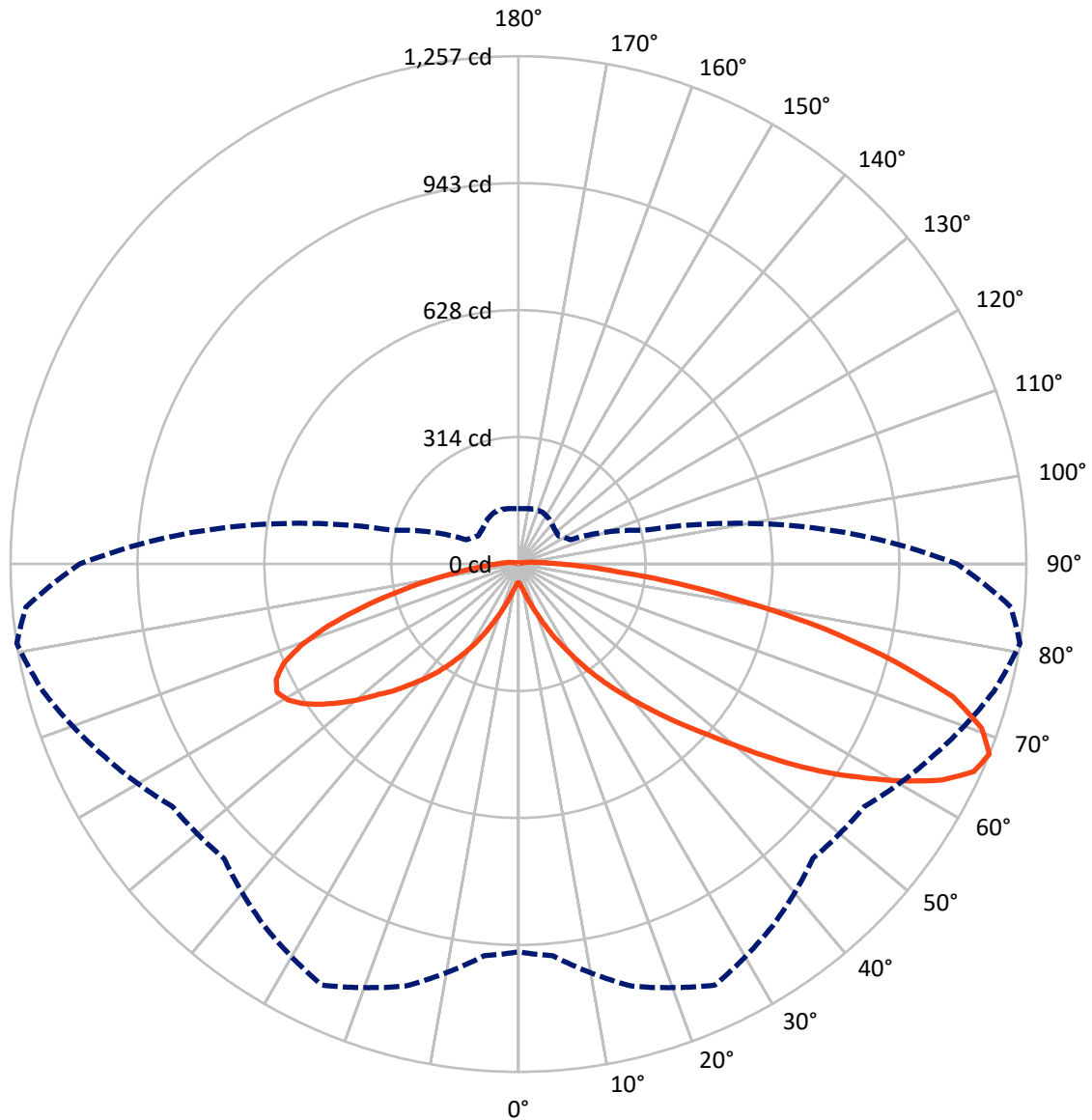


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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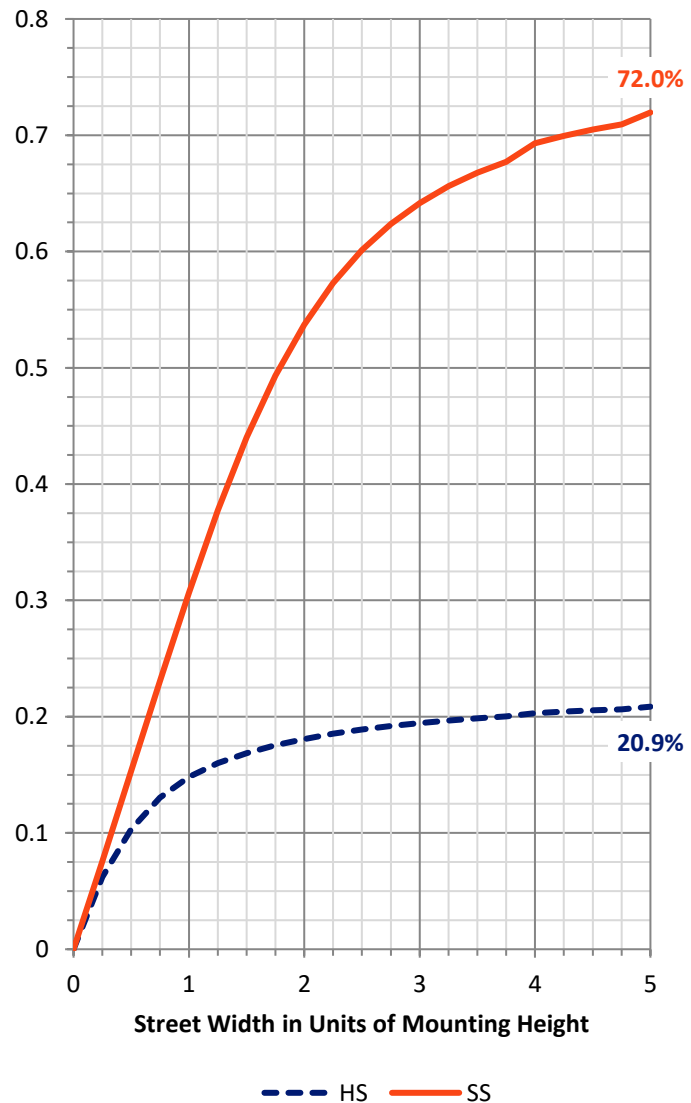
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	568.0	40.4	608.4
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	1935.8	50.8	1986.5
	% Fixture	74.6	2.0	76.6
Total	Lumens	2503.8	91.1	2594.9
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.2
10°-20°	26.8	1.0
20°-30°	79.9	3.1
30°-40°	173.5	6.7
40°-50°	304.2	11.7
50°-60°	482.1	18.6
60°-70°	650.5	25.1
70°-80°	558.2	21.5
80°-90°	223.3	8.6
90°-100°	54.3	2.1
100°-110°	19.1	0.7
110°-120°	8.7	0.3
120°-130°	4.7	0.2
130°-140°	2.6	0.1
140°-150°	1.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2503.8	96.5
0°-180°	2594.9	100.0



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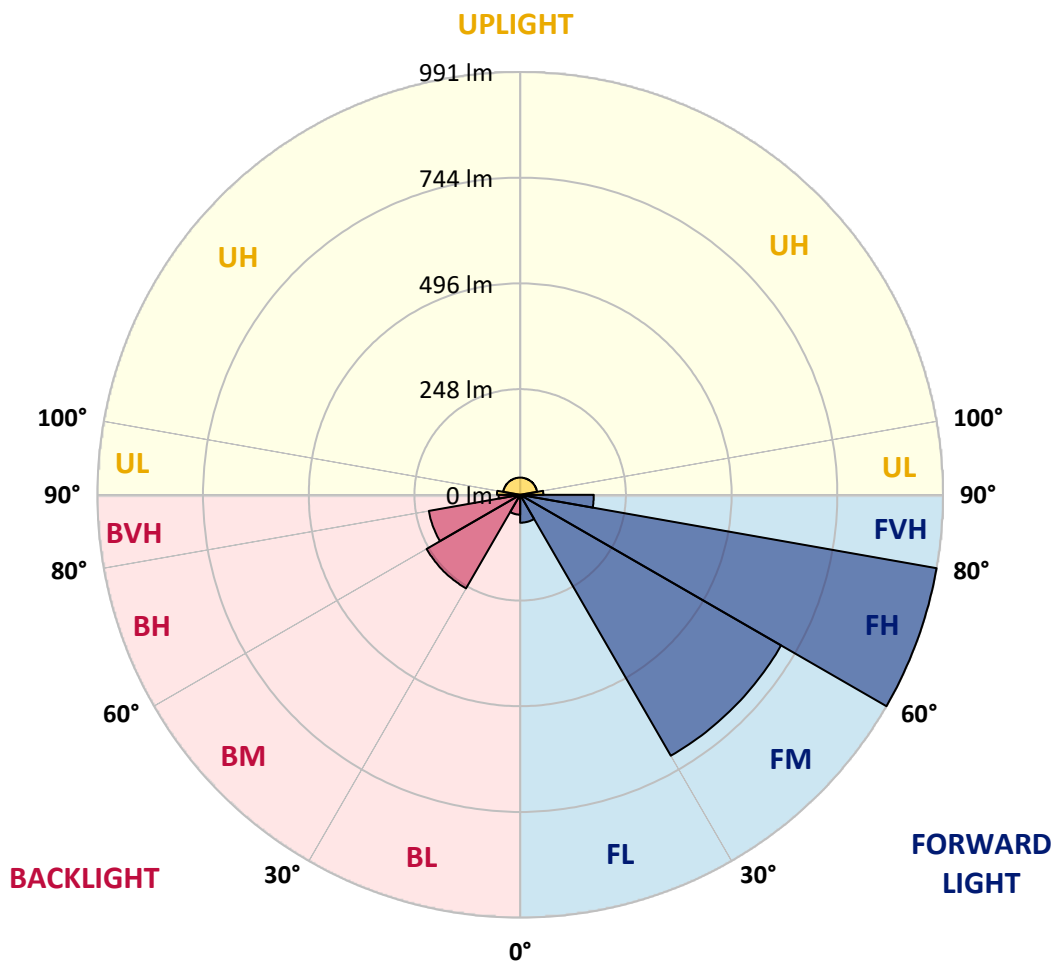
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.5	2.5			
FM	(30°-60°)	706.3	27.2			
FH	(60°-80°)	991.4	38.2			G1/1800
FVH	(80°-90°)	172.6	6.7			G2/225
BL	(0°-30°)	46.6	1.8	B0/110		
BM	(30°-60°)	253.4	9.8	B1/1000		
BH	(60°-80°)	217.3	8.4	B1/500		G1/500
BVH	(80°-90°)	50.7	2.0			G1/100
UL	(90°-100°)	54.3	2.1		U3/500	
UH	(100°-180°)	40.4	1.6		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°	75°	81°	85°
0°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	50.9	50.6	50.6	50.9	50.9	50.9	50.0	49.1	48.2	47.9	47.6
5°	57.9	57.3	57.3	57.3	57.0	56.1	54.9	53.6	52.4	51.8	51.2
7.5°	66.9	66.6	66.3	65.4	65.1	63.6	61.8	60.0	58.2	57.6	57.0
10°	79.3	79.0	77.5	77.2	75.6	74.1	71.4	68.7	66.3	65.4	64.5
12.5°	94.9	94.9	92.8	90.4	88.6	85.6	83.2	79.9	78.1	76.9	75.6
15°	115.4	114.2	111.5	108.8	104.0	100.4	96.7	94.9	93.7	92.2	90.4
17.5°	138.0	136.5	134.1	128.7	122.4	117.2	113.9	112.1	111.5	110.6	108.5
20°	165.2	163.4	160.0	151.6	144.7	137.7	133.8	132.9	133.5	132.0	129.9
22.5°	197.4	196.2	189.3	178.7	169.1	159.4	155.8	156.4	157.6	159.7	158.5
25°	234.2	231.2	224.5	209.5	193.5	184.1	180.5	183.2	188.7	191.7	189.3
27.5°	277.0	275.2	261.9	242.3	221.5	208.9	206.1	214.0	223.3	225.7	225.7
30°	322.2	323.4	304.1	280.9	254.7	237.2	233.9	245.0	261.0	262.5	266.4
32.5°	379.4	377.3	357.1	319.2	288.1	265.5	263.4	279.1	299.3	307.1	307.1
35°	439.4	437.3	412.6	367.7	324.6	295.4	296.9	313.4	340.9	350.8	352.3
37.5°	508.4	501.5	474.7	418.9	364.4	330.0	327.3	352.3	384.6	398.7	398.7
40°	584.4	580.5	543.1	477.1	405.1	365.9	363.8	392.7	431.9	447.6	450.6
42.5°	658.2	653.1	618.4	533.5	452.1	403.9	404.2	435.8	480.7	502.4	506.3
45°	736.3	731.5	693.5	602.8	503.0	450.9	447.3	486.7	540.4	564.5	569.0
47.5°	805.6	802.3	769.4	671.8	566.3	501.2	496.4	541.9	604.0	630.8	644.4
50°	880.9	876.7	846.0	745.3	629.3	554.8	554.5	603.4	681.1	713.7	724.8
52.5°	942.1	937.3	915.9	819.2	691.7	617.5	612.4	672.4	761.0	807.7	813.1
55°	998.5	996.7	989.4	898.4	767.6	679.0	682.3	753.5	852.0	904.8	912.9
57.5°	1039.2	1041.6	1044.9	978.0	842.1	747.7	753.8	834.8	946.6	995.8	1006.9
60°	1066.9	1075.3	1097.3	1047.3	918.0	822.8	833.0	915.3	1037.7	1090.1	1099.2
62.5°	1069.0	1078.1	1129.3	1112.1	991.0	899.6	911.4	998.2	1119.0	1177.2	1178.1
65°	1028.9	1041.3	1123.3	1147.1	1055.1	973.2	983.7	1072.0	1187.2	1238.7	1220.0
67.5°	959.9	972.9	1081.4	1150.1	1094.9	1030.4	1045.5	1129.3	1217.9	1256.8	1223.6
70°	859.9	872.5	986.7	1104.6	1102.2	1064.2	1084.1	1152.8	1212.2	1216.1	1169.4
72.5°	728.4	727.2	850.5	1005.1	1062.1	1061.5	1093.1	1135.0	1146.8	1124.8	1055.4
75°	557.9	573.5	686.0	861.4	970.8	1013.6	1045.5	1061.5	1027.7	959.6	884.6
77.5°	399.6	412.6	514.8	679.0	835.1	914.1	949.4	941.8	858.0	778.2	692.0
80°	264.6	272.2	357.4	506.9	673.3	764.9	807.4	778.5	672.1	569.9	495.5
82.5°	158.8	171.2	224.8	356.2	499.4	604.6	630.5	582.3	479.8	396.6	342.1
85°	96.1	98.9	139.8	227.8	348.7	434.9	459.6	407.8	315.5	247.7	205.5
87.5°	53.9	58.8	86.5	148.3	234.5	302.0	310.7	268.5	198.0	153.7	128.7
90°	31.6	35.0	53.0	91.9	149.5	195.3	197.7	162.4	117.2	92.5	82.3
92.5°	20.2	22.6	35.3	59.1	96.1	126.9	123.6	100.4	75.0	61.8	53.3
95°	14.5	15.7	24.7	40.7	64.5	79.9	78.7	63.0	50.3	43.1	39.2
97.5°	10.8	12.1	19.3	29.8	43.4	53.6	52.4	41.9	35.0	31.6	30.1
100°	9.0	9.6	15.7	23.5	32.2	38.6	38.0	31.0	26.2	23.8	23.2
102.5°	7.8	8.4	13.0	19.0	25.6	29.8	28.6	24.1	19.9	17.8	17.2
105°	6.9	7.2	11.2	16.3	21.1	23.5	23.2	19.3	15.4	13.3	13.0
107.5°	6.3	6.6	9.6	13.9	17.8	19.9	19.3	15.7	11.8	10.2	9.9
110°	5.7	6.0	8.4	12.1	15.1	16.9	16.0	13.0	9.3	7.8	7.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	5.4	5.4	7.5	10.2	13.0	14.5	13.6	10.5	7.2	6.3	6.6
115°	5.1	5.1	6.6	9.0	11.5	12.7	11.5	8.7	6.0	5.4	5.4
117.5°	4.8	4.8	6.0	8.1	10.2	11.2	9.9	7.5	5.1	4.5	4.8
120°	4.5	4.8	5.7	7.2	9.0	9.6	8.7	6.3	4.2	4.2	4.5
122.5°	4.5	4.5	5.4	6.6	8.1	8.4	7.5	5.4	3.9	3.9	3.9
125°	4.5	4.5	5.1	6.0	7.2	7.5	6.3	4.5	3.6	3.6	3.6
127.5°	4.5	4.5	4.8	5.7	6.3	6.6	5.7	4.2	3.3	3.3	3.6
130°	4.2	4.5	4.5	5.1	5.7	5.7	4.8	3.6	3.0	3.0	3.3
132.5°	4.2	4.2	4.5	4.8	5.1	5.1	4.2	3.3	2.7	3.0	3.0
135°	4.2	4.2	4.2	4.5	4.8	4.5	3.6	2.7	2.4	2.7	2.7
137.5°	3.9	3.9	3.9	4.2	4.2	3.9	3.3	2.4	2.4	2.4	2.4
140°	3.6	3.6	3.6	3.6	3.9	3.6	2.7	2.1	2.1	2.1	2.1
142.5°	3.3	3.3	3.3	3.3	3.3	3.0	2.4	1.8	1.8	1.8	1.8
145°	3.0	3.0	3.0	3.0	2.7	2.4	1.8	1.5	1.5	1.8	1.8
147.5°	2.4	2.4	2.4	2.4	2.4	2.1	1.5	1.2	1.5	1.5	1.5
150°	2.1	2.1	2.1	2.1	1.8	1.8	1.2	1.2	1.2	1.5	1.5
152.5°	1.5	1.5	1.5	1.8	1.5	1.2	0.9	0.9	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.9	1.2	1.2	1.2
157.5°	0.6	0.9	0.9	0.9	0.9	0.9	0.6	0.9	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.6	0.9	0.9	0.6	0.6	0.9	0.9	0.9
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°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	47.6	47.3	47.0	46.7	46.4	46.4	46.1	45.8	45.5	45.2	45.2
5°	50.9	50.3	49.4	48.8	48.2	48.2	47.6	47.3	46.7	46.4	46.4
7.5°	56.1	55.8	53.9	53.0	52.1	51.8	51.2	50.6	50.0	50.0	50.0
10°	63.6	62.7	61.2	58.8	57.9	57.3	56.4	55.8	55.8	56.1	56.1
12.5°	75.0	72.6	70.5	67.2	65.4	64.2	63.6	63.9	65.4	66.0	65.4
15°	88.3	87.7	82.6	77.8	74.1	71.7	73.2	75.0	77.2	77.8	78.7
17.5°	106.7	104.6	97.6	90.7	84.1	82.9	84.7	87.7	90.1	91.9	93.4
20°	128.7	125.1	116.6	104.6	97.0	95.2	96.4	100.7	105.2	108.8	109.1
22.5°	156.4	151.0	135.9	120.9	109.7	106.7	108.2	114.8	121.5	126.0	125.7
25°	186.6	179.9	159.7	138.0	122.7	117.2	120.0	128.7	138.0	143.5	144.1
27.5°	220.3	213.7	185.7	154.6	134.4	126.3	130.8	140.7	153.4	160.0	161.2
30°	260.1	251.1	211.6	172.4	145.3	134.7	138.9	151.9	165.8	175.1	176.3
32.5°	301.4	287.2	237.5	186.9	152.8	140.1	145.0	160.0	176.0	186.3	188.1
35°	344.2	326.7	263.7	199.2	158.2	143.5	148.3	165.2	182.0	193.2	194.7
37.5°	392.4	369.2	287.5	208.6	161.2	144.4	149.2	166.1	183.2	194.1	195.6
40°	440.9	409.9	307.4	214.3	161.5	143.5	147.4	163.7	179.9	189.3	190.8
42.5°	493.1	452.7	327.3	215.8	160.0	141.0	144.4	158.8	172.7	179.9	180.8
45°	551.5	502.1	344.2	214.6	155.8	137.4	139.8	152.2	163.0	166.4	167.9
47.5°	613.3	550.9	357.1	211.0	151.6	133.5	135.0	145.3	152.2	152.5	152.8
50°	688.7	610.3	373.1	205.8	145.9	129.9	130.8	138.9	142.3	140.7	140.1
52.5°	771.2	673.9	383.4	197.7	140.7	126.6	127.5	133.8	135.0	131.7	132.0
55°	861.1	733.3	392.1	189.9	135.3	124.5	126.3	131.4	131.4	127.2	126.9
57.5°	944.8	793.8	396.0	179.9	130.8	123.0	126.0	131.1	130.5	126.6	126.3
60°	1025.9	843.3	391.2	170.3	127.8	122.4	127.8	133.2	132.6	129.3	129.0
62.5°	1082.0	874.3	379.1	160.6	125.1	123.3	129.9	136.2	136.2	132.6	132.6
65°	1106.1	870.7	354.4	151.0	123.0	123.9	132.9	139.5	138.9	135.9	135.3
67.5°	1085.9	837.8	321.3	141.7	121.2	124.5	134.4	141.3	140.7	137.4	136.8
70°	1021.1	768.8	281.2	133.2	118.7	123.6	135.0	141.0	140.1	137.1	135.9
72.5°	892.1	661.5	239.3	125.1	115.1	121.5	133.2	138.6	137.7	135.3	133.8
75°	734.8	533.5	197.7	116.0	110.6	117.5	129.3	134.1	132.9	130.8	129.3
77.5°	561.8	403.0	163.4	107.6	105.2	112.4	123.9	127.5	126.3	124.5	123.6
80°	397.5	286.9	131.4	98.3	97.3	104.6	114.2	118.1	117.5	115.7	114.2
82.5°	261.6	190.8	104.9	87.7	88.3	95.8	103.1	105.2	104.9	103.4	101.6
85°	161.2	125.7	82.6	75.6	78.4	84.4	90.4	90.7	89.8	89.5	86.8
87.5°	102.8	85.9	64.8	64.2	68.1	73.2	75.9	74.7	75.3	75.3	73.2
90°	66.9	60.3	51.8	53.6	57.9	61.8	63.0	59.7	61.5	60.6	59.7
92.5°	48.5	44.9	42.2	44.6	48.8	52.4	51.8	48.2	49.1	49.1	48.8
95°	36.8	35.0	35.3	37.7	41.0	43.4	42.2	39.2	39.5	38.9	38.0
97.5°	28.9	28.6	29.8	31.6	34.7	36.2	35.0	32.2	31.9	31.0	30.7
100°	22.9	23.2	25.0	27.1	28.9	30.1	29.2	26.5	25.3	23.8	23.5
102.5°	17.8	18.4	20.8	22.6	24.4	25.3	24.4	22.3	20.2	18.7	18.4
105°	13.9	14.5	17.2	19.0	20.5	21.1	20.5	18.1	16.0	14.2	14.2
107.5°	10.8	11.5	14.2	16.3	17.2	17.8	16.9	15.1	12.7	11.2	11.2
110°	8.7	9.3	11.8	13.6	14.5	15.1	14.2	12.1	10.2	9.0	9.0



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CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	7.8	9.6	11.5	12.4	12.7	11.8	10.2	8.1	7.5	7.5
115°	6.0	6.6	8.1	9.6	10.5	10.5	9.9	8.4	6.6	6.3	6.3
117.5°	5.1	5.7	6.9	8.4	9.0	9.0	8.4	6.9	5.7	5.4	5.4
120°	4.8	5.1	6.0	7.2	7.8	7.8	7.2	6.0	4.8	4.8	4.8
122.5°	4.2	4.5	5.4	6.3	6.9	6.9	6.3	5.1	4.2	4.5	4.5
125°	3.9	4.2	4.8	5.4	6.0	6.0	5.4	4.5	3.9	3.9	3.9
127.5°	3.6	3.9	4.2	4.8	5.1	5.1	4.8	3.9	3.6	3.6	3.6
130°	3.3	3.6	3.9	4.2	4.5	4.5	3.9	3.3	3.3	3.3	3.3
132.5°	3.3	3.3	3.3	3.6	3.9	3.9	3.6	3.0	3.0	3.0	3.0
135°	3.0	3.0	3.0	3.0	3.3	3.3	3.0	2.7	2.7	2.7	2.7
137.5°	2.7	2.7	2.7	2.7	3.0	3.0	2.7	2.4	2.4	2.4	2.4
140°	2.4	2.4	2.4	2.1	2.4	2.4	2.1	2.1	2.1	2.1	2.1
142.5°	1.8	2.1	1.8	1.8	1.8	1.8	1.8	1.5	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.5	1.5	1.5	1.5	1.2	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.2	0.9	1.2	0.9	1.2	1.2	1.2	1.2
150°	1.5	1.5	1.2	1.2	0.9	0.6	0.6	0.9	0.9	0.9	0.9
152.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
155°	1.2	1.2	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.3	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.6	0.3	0.3	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)