

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: P414271

Luminaire Tested: **LXF.LXT-PA1-20-740-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-740-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2603.9 lumens
Efficiency: N/A
Efficacy: 124.0 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 (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

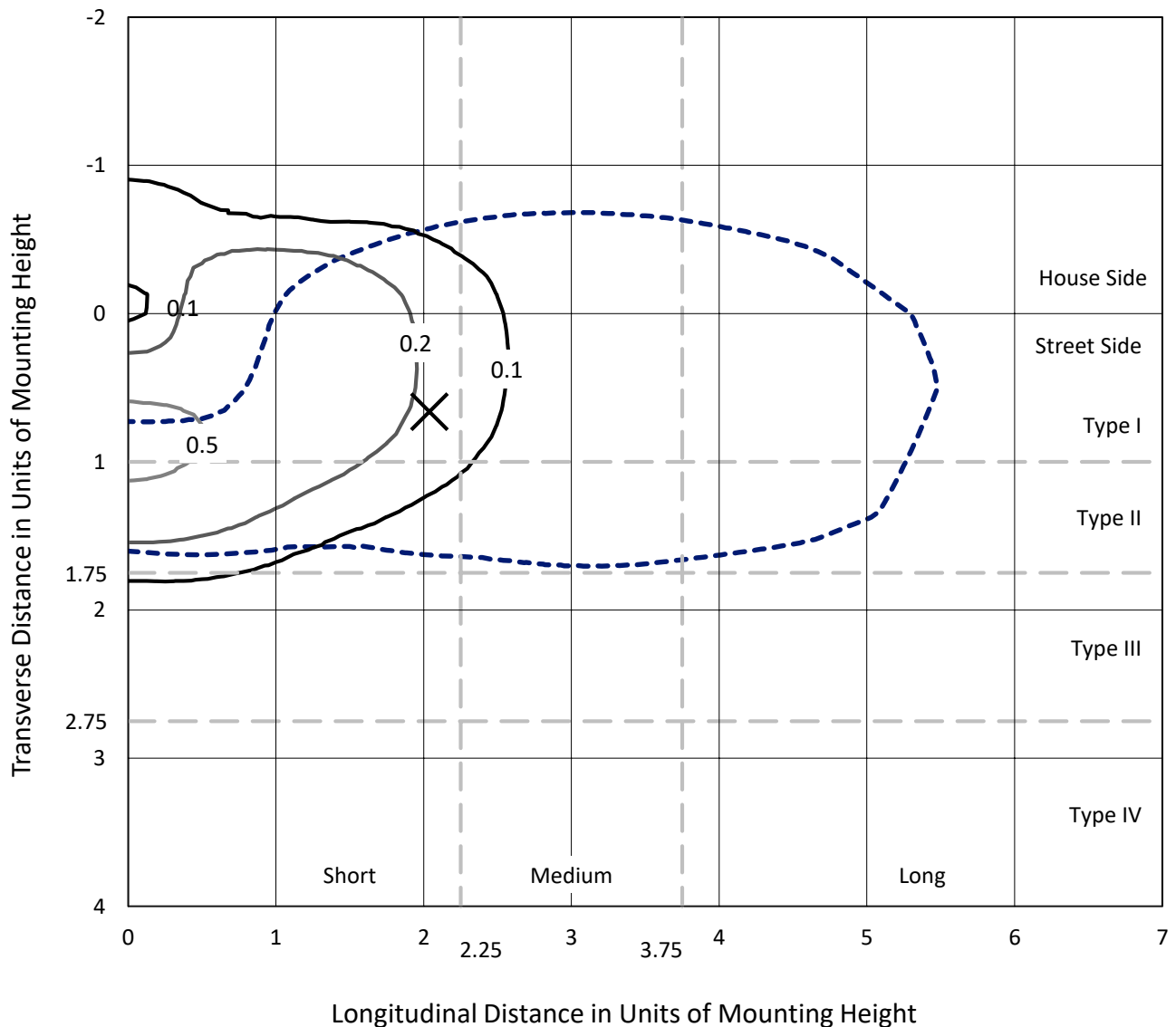


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

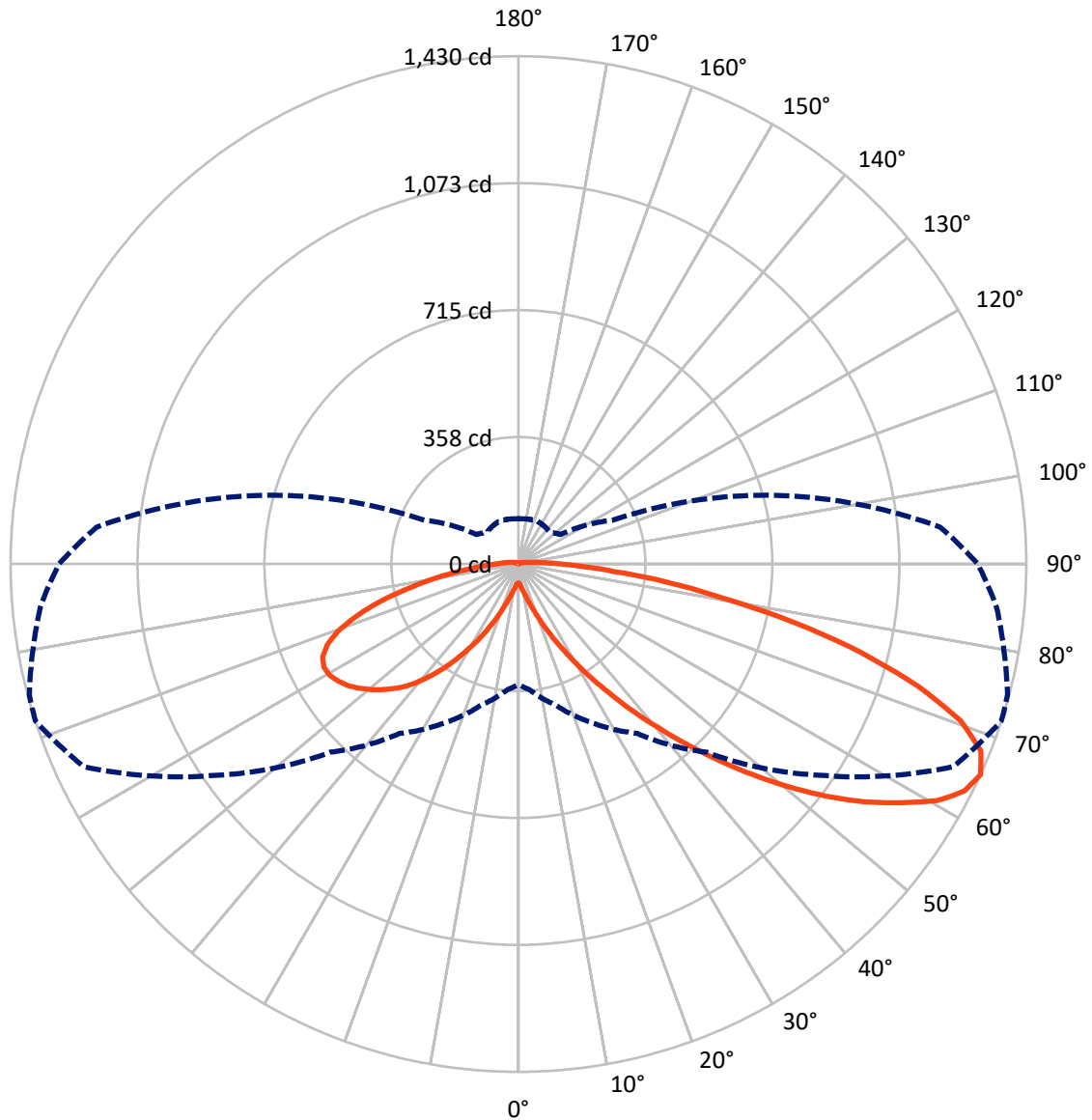


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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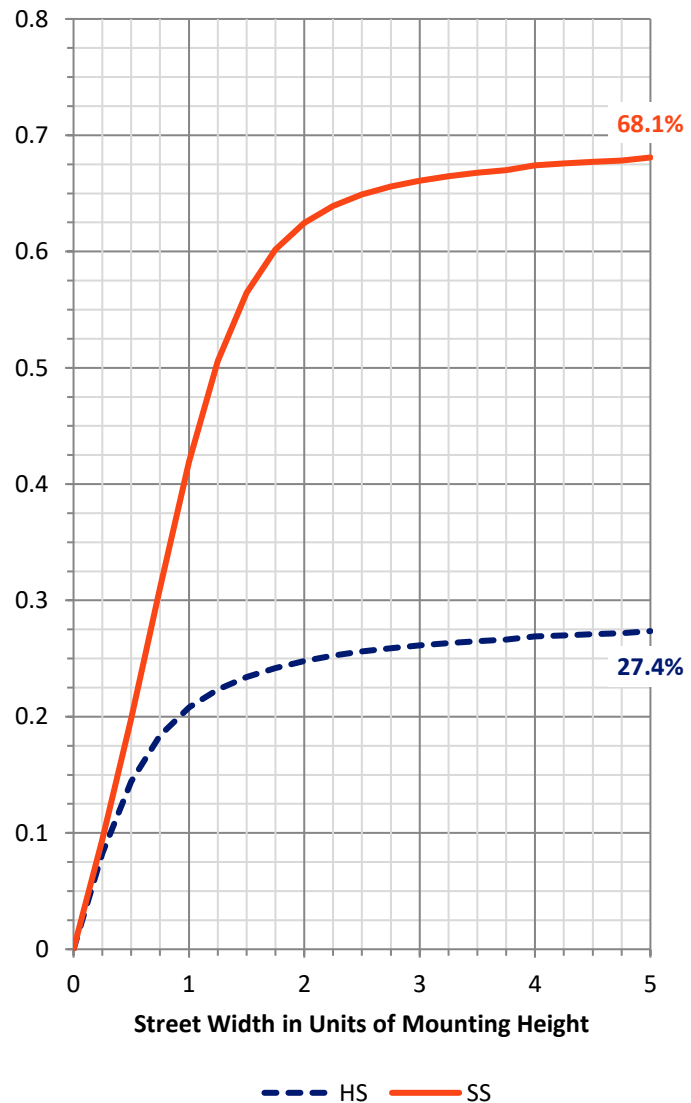
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.2	36.9	771.1
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	1796.9	36.0	1832.9
	% Fixture	69.0	1.4	70.4
Total	Lumens	2531.0	72.9	2603.9
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	31.5	1.2
20°-30°	99.8	3.8
30°-40°	239.1	9.2
40°-50°	441.5	17.0
50°-60°	601.6	23.1
60°-70°	586.5	22.5
70°-80°	383.0	14.7
80°-90°	141.9	5.4
90°-100°	39.4	1.5
100°-110°	16.5	0.6
110°-120°	8.3	0.3
120°-130°	4.7	0.2
130°-140°	2.6	0.1
140°-150°	1.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2531.0	97.2
0°-180°	2603.9	100.0



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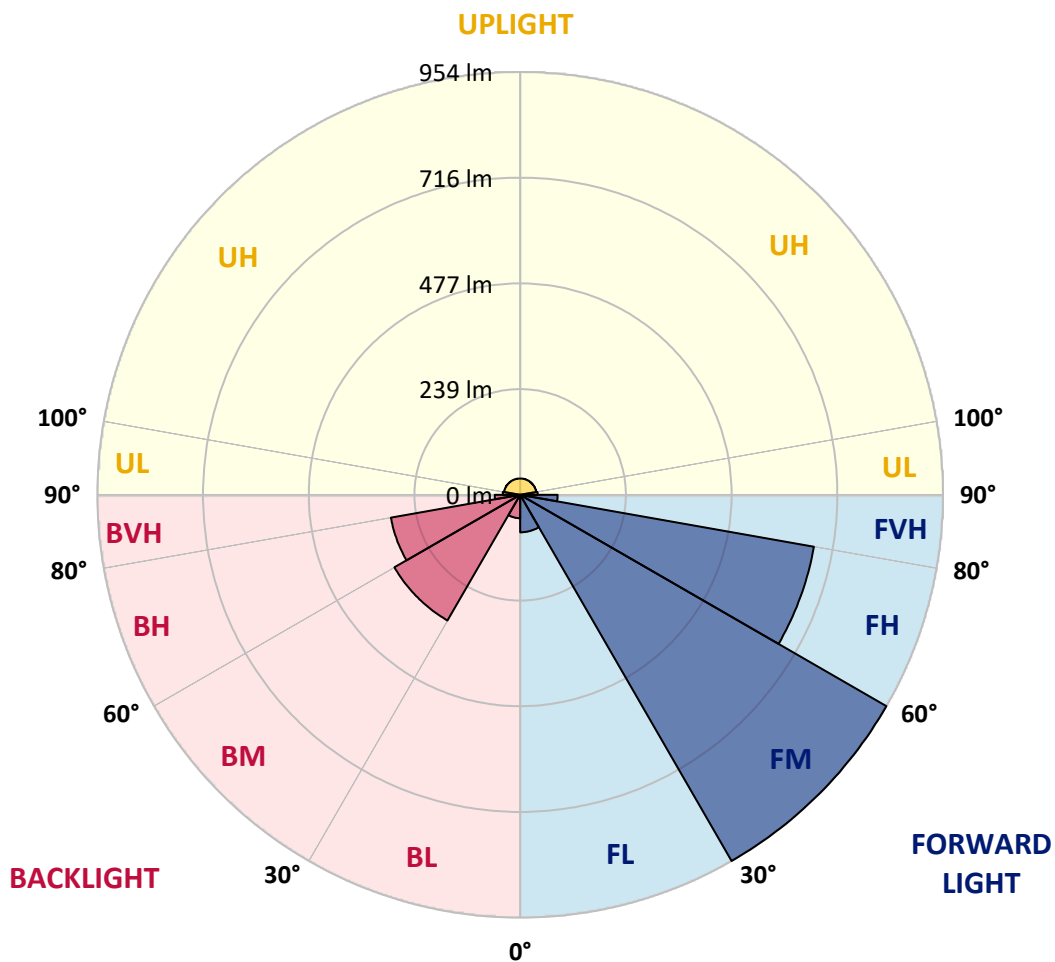
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.6	3.2			
FM (30°-60°)	954.5	36.7			
FH (60°-80°)	673.3	25.9			G1/1800
FVH (80°-90°)	84.5	3.2			G1/100
BL (0°-30°)	52.9	2.0	B0/110		
BM (30°-60°)	327.7	12.6	B1/1000		
BH (60°-80°)	296.2	11.4	B1/500		G1/500
BVH (80°-90°)	57.4	2.2			G1/100
UL (90°-100°)	39.4	1.5		U2/50	
UH (100°-180°)	36.9	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°	72°	75°	85°
0°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
2.5°	60.0	59.7	59.1	58.8	58.8	58.2	57.6	56.7	56.1	55.8	55.2
5°	67.8	67.2	66.6	66.0	65.4	64.5	63.0	62.1	60.9	60.6	59.4
7.5°	79.0	78.4	76.6	75.9	75.0	73.8	72.0	70.2	69.0	68.1	66.3
10°	93.7	93.1	91.9	90.4	88.6	86.2	83.2	81.4	78.4	79.0	76.3
12.5°	113.9	112.4	110.9	108.5	104.9	102.2	98.0	96.1	92.8	92.8	89.5
15°	138.3	138.0	135.0	129.9	126.6	120.9	117.2	113.3	111.2	111.2	108.5
17.5°	170.0	167.9	165.5	158.5	151.0	144.1	139.2	136.5	134.1	133.5	129.9
20°	209.2	206.1	202.5	190.2	181.1	172.7	165.8	163.7	161.8	161.5	158.5
22.5°	258.9	252.6	245.9	233.9	219.4	204.6	199.8	195.0	195.3	195.9	189.0
25°	314.0	312.2	300.5	283.3	264.3	248.0	234.8	233.0	234.8	233.6	230.9
27.5°	384.9	378.8	364.1	342.1	311.9	292.9	278.8	277.6	277.9	279.4	274.9
30°	467.5	464.4	445.8	409.0	370.1	344.8	329.4	327.3	330.9	331.2	324.3
32.5°	564.8	558.8	530.1	489.2	436.1	403.9	386.4	385.8	389.7	390.6	385.2
35°	663.4	660.3	632.0	573.2	515.1	466.2	448.5	449.7	452.4	457.8	451.5
37.5°	777.0	768.8	732.4	670.3	596.7	538.3	519.3	523.5	527.7	527.7	519.0
40°	884.3	881.3	843.0	764.9	676.9	622.7	601.9	604.3	604.0	604.3	592.8
42.5°	983.7	973.5	939.7	856.8	766.1	711.0	686.0	689.9	693.5	696.2	667.3
45°	1050.9	1042.2	1012.4	930.7	850.5	798.4	782.1	782.1	786.3	785.1	756.5
47.5°	1074.8	1073.5	1051.2	989.2	915.6	875.2	876.1	879.5	885.8	880.1	839.1
50°	1063.6	1058.8	1054.9	1020.2	969.6	950.3	968.4	985.2	985.8	975.6	923.5
52.5°	993.7	994.3	1014.2	1007.8	984.6	1004.2	1059.4	1089.2	1086.5	1076.6	1013.9
55°	887.3	892.1	926.8	953.3	967.5	1021.7	1126.9	1188.7	1182.6	1168.8	1105.2
57.5°	745.6	761.3	807.7	865.6	916.2	1005.4	1163.7	1274.9	1268.5	1268.5	1196.2
60°	594.9	607.6	676.0	746.5	826.4	950.6	1167.3	1338.2	1353.5	1343.9	1260.7
62.5°	461.4	466.9	537.7	626.6	712.2	858.4	1125.7	1368.3	1409.0	1400.9	1318.6
65°	339.7	355.0	412.3	493.7	582.3	749.6	1036.8	1350.5	1430.1	1425.9	1350.5
67.5°	252.6	259.5	307.4	382.8	470.5	614.2	907.2	1272.8	1404.8	1408.4	1345.7
70°	189.3	191.1	228.5	290.5	365.3	484.6	756.2	1148.6	1320.7	1337.0	1302.6
72.5°	143.2	146.5	177.5	226.3	281.8	373.1	597.7	979.8	1177.2	1217.6	1204.7
75°	112.1	116.0	137.4	175.1	217.9	282.4	452.4	780.3	997.3	1049.4	1063.9
77.5°	88.6	92.8	110.9	139.8	170.0	217.9	332.4	583.8	796.6	848.7	890.9
80°	69.6	72.6	88.6	110.0	133.8	160.9	233.0	424.4	585.0	650.1	688.7
82.5°	53.0	56.4	68.7	86.8	104.9	123.0	166.4	288.7	424.4	453.9	519.6
85°	38.6	41.6	51.8	66.6	80.8	95.2	121.8	192.6	270.3	305.6	338.8
87.5°	28.3	29.5	38.6	49.4	62.1	72.0	87.7	123.0	171.8	189.3	217.0
90°	19.9	21.1	28.3	36.5	47.0	56.4	64.5	81.4	107.0	122.7	127.8
92.5°	14.8	15.7	21.1	27.4	36.2	43.7	48.8	57.6	69.6	76.3	80.5
95°	11.2	12.1	16.6	21.7	28.0	34.4	38.3	41.6	48.5	50.3	53.9
97.5°	9.0	9.6	13.6	17.8	22.6	28.3	30.4	32.2	34.7	36.5	38.0
100°	7.8	8.1	11.5	15.1	19.3	22.9	24.7	25.6	27.1	27.7	28.3
102.5°	6.9	6.9	9.9	13.0	16.6	19.3	20.8	20.8	21.1	21.4	21.1
105°	6.0	6.3	8.7	11.5	14.2	16.6	17.8	17.2	16.9	16.6	15.7
107.5°	5.7	5.7	7.8	10.2	12.7	14.5	15.4	14.2	13.6	13.0	12.1
110°	5.1	5.4	6.9	9.0	11.2	12.7	13.3	12.1	10.8	10.2	9.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.8	5.1	6.3	8.1	9.9	11.5	11.5	10.2	8.7	8.1	7.5
115°	4.8	4.8	5.7	7.2	9.0	10.2	10.2	8.7	7.2	6.6	6.3
117.5°	4.8	4.8	5.4	6.6	8.1	9.0	9.0	7.5	6.0	5.4	5.4
120°	4.5	4.5	5.1	6.0	7.5	8.1	7.8	6.6	5.1	4.8	4.8
122.5°	4.5	4.5	4.8	5.7	6.9	7.5	7.2	5.7	4.5	3.9	4.2
125°	4.8	4.5	4.8	5.4	6.3	6.6	6.3	4.8	3.9	3.6	3.9
127.5°	4.8	4.8	4.5	5.1	5.7	6.0	5.7	4.2	3.3	3.3	3.6
130°	4.8	4.8	4.5	4.8	5.1	5.4	4.8	3.6	3.0	3.0	3.3
132.5°	4.8	4.8	4.5	4.5	4.8	4.8	4.2	3.0	2.7	2.7	3.0
135°	4.8	4.8	4.2	4.2	4.2	4.2	3.6	2.7	2.4	2.4	2.7
137.5°	4.5	4.5	4.2	3.9	3.9	3.6	3.0	2.1	1.8	2.1	2.4
140°	4.2	4.2	3.9	3.3	3.3	3.0	2.4	1.8	1.5	1.8	1.8
142.5°	3.9	3.9	3.6	3.0	2.7	2.4	2.1	1.2	1.2	1.2	1.5
145°	3.6	3.6	3.3	2.4	2.1	1.8	1.5	0.9	0.9	0.9	1.2
147.5°	3.0	3.0	2.7	2.1	1.5	1.5	0.9	0.6	0.9	0.9	0.9
150°	2.4	2.4	2.1	1.5	1.2	0.9	0.3	0.6	0.6	0.6	0.9
152.5°	2.1	2.1	1.5	1.2	0.6	0.3	0.3	0.3	0.6	0.6	0.6
155°	1.5	1.5	1.2	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
157.5°	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	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°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
2.5°	54.6	54.6	54.2	53.9	53.6	53.3	52.7	52.4	52.4	52.1	52.1
5°	58.8	58.5	57.6	56.7	55.5	54.9	53.9	53.3	53.0	52.7	52.7
7.5°	65.4	64.8	63.0	61.5	60.0	58.8	57.3	56.4	56.1	55.2	55.5
10°	74.7	73.8	71.7	69.0	66.3	64.5	62.4	61.2	60.6	60.0	59.4
12.5°	88.3	86.5	82.9	79.3	75.3	71.7	69.6	68.7	69.3	69.0	69.3
15°	107.0	103.7	98.3	92.8	85.9	81.4	80.8	80.5	80.5	80.8	81.4
17.5°	128.1	124.5	117.5	107.6	99.5	94.9	92.2	91.9	93.4	93.7	93.4
20°	155.8	152.2	141.4	127.8	116.0	108.8	105.2	105.2	107.3	107.9	109.1
22.5°	185.7	183.5	168.8	150.1	134.4	122.7	117.5	118.1	121.2	122.1	122.7
25°	227.2	218.8	200.7	175.1	152.5	136.8	129.9	130.2	133.5	135.9	136.8
27.5°	273.1	263.4	236.9	203.4	170.6	148.6	140.7	141.0	145.0	148.0	148.6
30°	322.2	312.5	277.9	231.5	187.5	159.1	148.6	148.9	153.4	156.7	157.3
32.5°	374.6	366.8	318.3	261.6	202.2	166.4	153.7	154.0	157.9	160.9	161.5
35°	440.9	423.1	366.2	288.4	214.6	170.9	156.1	155.8	159.7	162.7	163.4
37.5°	506.3	487.3	411.7	313.4	221.8	172.1	155.5	155.5	158.5	160.9	161.2
40°	577.5	545.8	459.6	333.0	224.5	170.3	153.7	153.4	155.8	157.0	157.3
42.5°	654.0	615.1	506.6	348.7	223.3	166.4	150.4	150.7	151.6	151.6	151.3
45°	723.0	683.5	547.0	359.0	219.1	161.2	146.5	146.8	147.1	144.7	144.7
47.5°	804.1	756.2	585.0	361.4	210.7	156.1	143.5	144.1	142.6	139.2	138.6
50°	881.0	827.6	623.3	360.5	201.9	150.7	140.4	141.0	138.3	133.8	132.9
52.5°	966.6	898.1	659.4	355.9	191.4	145.9	138.3	138.9	135.9	130.5	129.6
55°	1050.9	972.9	692.6	348.1	182.3	140.7	136.2	137.7	133.8	128.4	128.1
57.5°	1131.4	1047.0	720.0	336.7	172.7	137.1	134.7	136.5	132.9	127.5	127.2
60°	1203.1	1110.0	742.0	325.5	162.1	133.5	133.2	135.6	132.3	127.8	127.5
62.5°	1253.5	1166.7	752.0	310.4	153.7	129.6	131.4	133.8	131.4	127.8	127.8
65°	1293.6	1192.0	748.0	290.5	144.7	125.4	129.0	131.4	129.9	127.5	127.8
67.5°	1286.0	1191.4	722.4	266.7	136.2	120.9	124.8	128.1	126.9	126.0	125.7
70°	1239.6	1135.0	673.3	240.8	127.5	115.1	119.7	123.0	122.7	122.4	122.4
72.5°	1144.1	1037.4	599.8	211.0	118.4	109.1	113.0	116.0	116.6	116.3	115.4
75°	1019.3	903.0	514.5	182.9	109.1	101.9	106.1	107.9	108.8	108.2	108.2
77.5°	836.4	752.9	409.0	154.6	99.2	93.7	96.7	98.3	99.5	98.0	97.0
80°	664.6	572.6	314.6	126.3	88.3	84.7	86.2	86.8	88.0	86.5	84.7
82.5°	466.5	408.1	228.2	103.1	77.5	74.4	75.3	75.0	75.6	73.5	71.1
85°	311.6	274.3	157.0	82.9	66.3	63.6	63.6	62.7	62.1	60.0	58.2
87.5°	195.6	173.6	107.9	65.4	55.8	53.6	52.4	50.6	50.0	48.5	46.4
90°	120.6	110.9	75.3	52.4	46.4	44.6	43.4	40.7	40.4	38.0	36.5
92.5°	79.0	72.3	55.8	42.5	38.9	37.1	35.6	33.2	32.9	31.0	30.1
95°	52.1	50.6	42.5	35.6	32.9	31.3	29.8	27.7	27.1	25.3	24.1
97.5°	38.3	38.3	35.0	30.1	28.0	26.5	25.6	23.8	22.6	20.8	20.2
100°	28.9	29.2	28.0	25.9	24.1	22.6	21.7	20.2	19.3	17.5	17.2
102.5°	22.3	22.9	23.2	22.0	20.8	19.6	18.7	17.5	16.3	14.5	14.2
105°	17.2	17.8	19.0	18.7	18.1	17.2	16.3	15.1	13.6	12.1	12.1
107.5°	13.3	13.9	15.7	16.0	15.7	14.8	14.2	13.0	11.8	10.2	10.2
110°	10.2	11.2	13.0	13.6	13.6	13.0	12.4	11.2	9.6	8.7	8.7



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CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	9.3	10.8	11.8	11.8	11.5	10.5	9.3	8.1	7.5	7.5
115°	6.9	7.8	9.3	10.2	10.2	9.9	9.3	8.1	6.9	6.6	6.6
117.5°	6.0	6.6	7.8	8.7	9.0	8.7	8.1	6.9	6.0	6.0	6.0
120°	5.4	6.0	6.9	7.5	7.8	7.5	6.9	6.0	5.1	5.4	5.4
122.5°	4.8	5.1	6.0	6.9	6.9	6.9	6.3	5.1	4.5	4.8	4.8
125°	4.2	4.8	5.4	6.0	6.3	6.0	5.4	4.5	3.9	4.2	4.5
127.5°	3.9	4.2	4.8	5.4	5.4	5.4	4.8	3.9	3.6	3.9	3.9
130°	3.6	3.9	4.2	4.8	4.8	4.8	4.2	3.3	3.3	3.6	3.6
132.5°	3.3	3.6	3.9	4.2	4.2	4.2	3.6	3.0	2.7	3.3	3.3
135°	3.0	3.0	3.3	3.6	3.6	3.6	3.0	2.4	2.4	3.0	3.0
137.5°	2.4	2.7	3.0	3.0	3.0	3.0	2.4	2.1	2.1	2.4	2.4
140°	2.1	2.1	2.4	2.4	2.4	2.4	2.1	1.5	1.8	2.1	2.1
142.5°	1.8	1.8	2.1	2.1	2.1	1.8	1.5	1.2	1.5	1.8	1.8
145°	1.2	1.5	1.5	1.5	1.5	1.2	0.9	0.9	1.2	1.5	1.5
147.5°	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.6	0.9	1.2	1.2
150°	0.9	0.9	1.2	1.2	0.9	0.6	0.3	0.3	0.6	0.9	0.9
152.5°	0.6	0.6	0.9	0.9	0.6	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.6	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.3	0.3	0.3	0.3	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)