

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: P414300

Luminaire Tested: **LXF.LXT-PA1-20-750-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2639.9 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

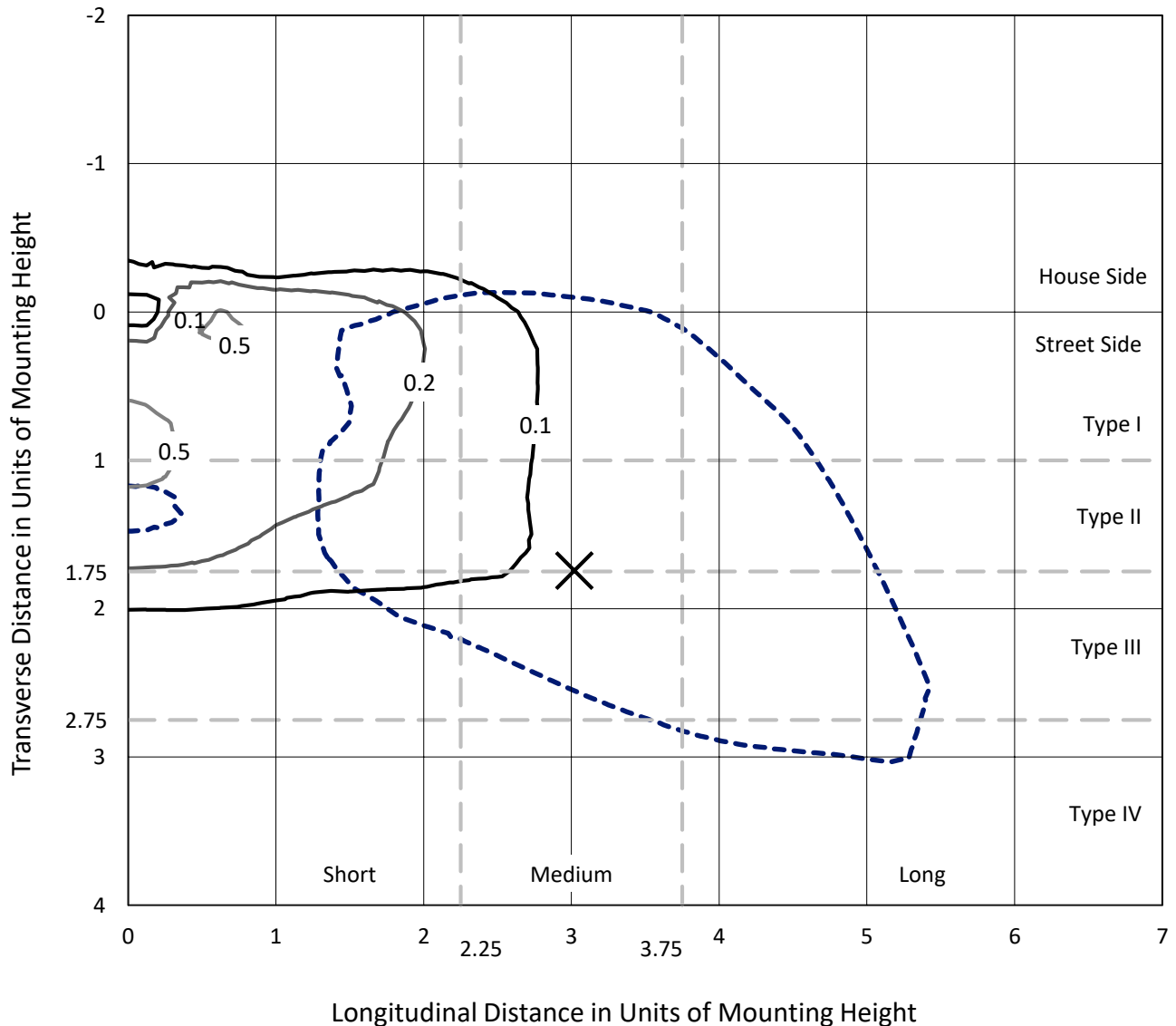
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

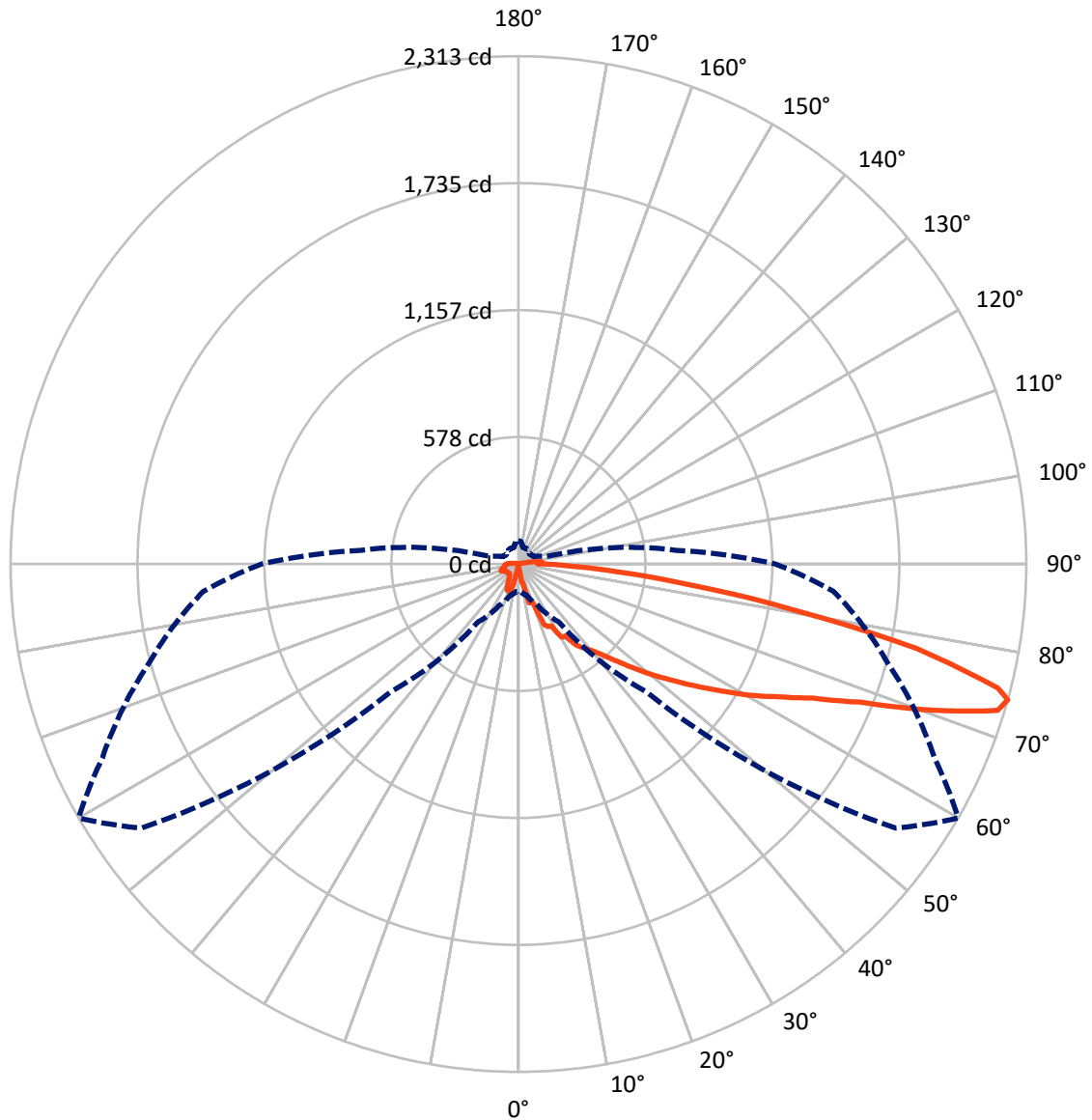
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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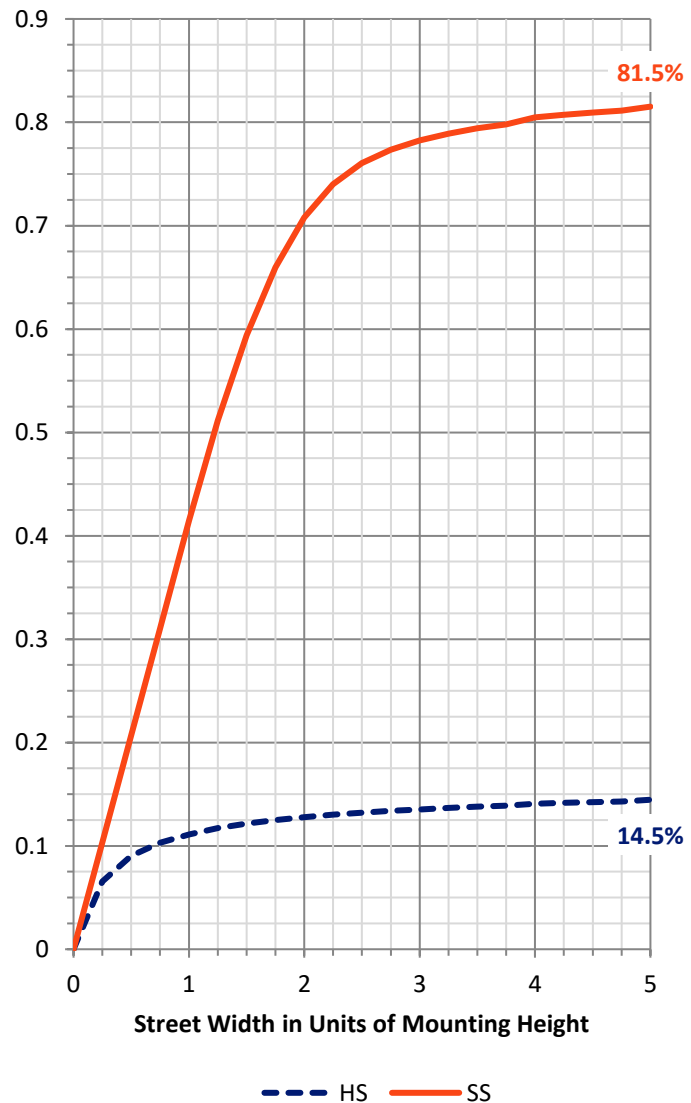
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.2	25.6	430.8
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	2181.7	27.5	2209.1
	% Fixture	82.6	1.0	83.7
Total	Lumens	2586.8	53.1	2639.9
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	33.7	1.3
20°-30°	102.1	3.9
30°-40°	204.3	7.7
40°-50°	350.6	13.3
50°-60°	534.4	20.2
60°-70°	658.4	24.9
70°-80°	550.5	20.9
80°-90°	149.9	5.7
90°-100°	38.7	1.5
100°-110°	6.9	0.3
110°-120°	2.6	0.1
120°-130°	1.9	0.1
130°-140°	1.4	0.1
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2586.8	98.0
0°-180°	2639.9	100.0



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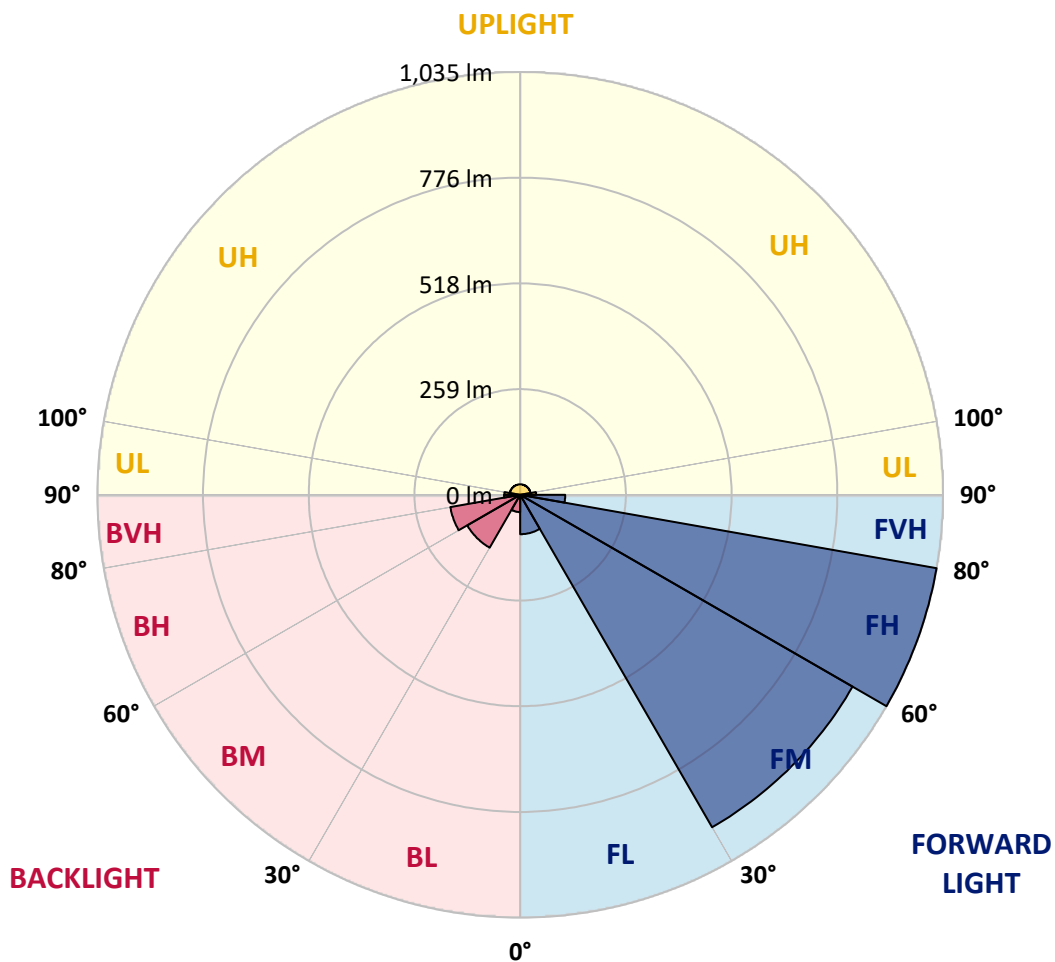
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.4	3.7			
FM	(30°-60°)	939.8	35.6			
FH	(60°-80°)	1035.3	39.2			G1/1800
FVH	(80°-90°)	110.2	4.2			G2/225
BL	(0°-30°)	42.3	1.6	B0/110		
BM	(30°-60°)	149.5	5.7	B0/220		
BH	(60°-80°)	173.6	6.6	B1/500		G1/500
BVH	(80°-90°)	39.7	1.5			G1/100
UL	(90°-100°)	38.7	1.5		U2/50	
UH	(100°-180°)	25.6	1.0		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.3	3.0	2.7	3.0	3.3	3.0	2.4	2.1	1.8	1.8	1.8
5°	88.0	86.8	86.2	67.2	16.0	9.9	3.9	2.7	2.4	1.8	1.8
7.5°	89.2	88.0	88.3	88.0	86.5	86.5	28.0	10.2	5.7	2.1	2.1
10°	94.0	92.2	89.8	89.5	88.9	88.0	86.5	84.7	19.3	3.3	3.0
12.5°	173.6	172.7	171.5	132.3	95.8	89.2	88.3	86.2	66.3	12.7	58.5
15°	172.4	172.1	170.0	170.9	170.6	97.0	110.0	183.5	176.3	127.8	147.4
17.5°	180.8	179.9	173.6	169.7	170.0	193.8	179.9	181.1	181.7	161.5	157.9
20°	245.3	243.8	243.2	236.3	172.7	227.5	232.1	188.1	192.6	250.7	280.3
22.5°	248.3	246.2	243.8	242.0	272.4	226.6	245.3	299.6	286.0	331.8	312.8
25°	335.4	329.7	305.9	247.7	272.1	261.0	317.3	315.8	299.0	346.3	334.5
27.5°	363.1	359.2	341.7	328.5	277.6	312.5	315.5	318.8	376.1	477.7	445.1
30°	486.4	456.0	377.3	369.2	331.2	315.2	360.7	386.7	423.1	479.8	470.7
32.5°	556.9	542.2	504.2	446.0	387.9	344.8	391.2	391.2	425.2	579.8	595.2
35°	671.1	623.5	549.4	509.9	442.4	412.6	403.2	454.2	502.7	609.1	608.2
37.5°	712.4	707.9	680.2	559.0	520.2	448.7	470.1	485.8	526.8	651.3	649.4
40°	735.0	745.0	747.1	665.1	577.7	518.3	510.8	519.6	559.0	710.6	687.7
42.5°	811.6	815.2	826.3	732.9	663.9	594.3	573.2	569.6	597.0	779.6	738.3
45°	935.1	936.9	928.8	811.0	734.1	669.6	646.1	632.3	656.4	848.0	802.5
47.5°	1076.8	1081.0	1041.8	899.3	798.0	742.3	729.6	708.2	723.6	909.8	882.4
50°	1189.5	1188.3	1118.4	970.7	862.5	816.7	812.8	792.9	794.7	984.9	968.6
52.5°	1218.7	1216.9	1157.2	1023.4	921.3	894.2	911.9	881.2	865.2	1062.6	1058.1
55°	1174.7	1178.0	1150.0	1045.4	958.6	962.3	1008.4	981.8	960.2	1136.1	1143.4
57.5°	1111.1	1107.2	1111.4	1053.9	987.9	1028.9	1123.2	1090.0	1069.2	1219.3	1227.5
60°	993.3	987.9	1042.4	1044.8	1015.0	1104.2	1245.2	1213.0	1183.8	1307.0	1298.3
62.5°	814.0	807.1	905.6	989.4	1046.0	1192.5	1365.8	1330.8	1302.5	1400.1	1383.6
65°	541.9	574.7	690.1	868.2	1034.6	1319.7	1525.2	1472.8	1421.2	1495.7	1492.7
67.5°	314.3	337.8	422.5	617.5	940.3	1428.5	1778.1	1678.6	1589.7	1603.9	1596.9
70°	195.0	202.2	239.0	356.2	662.7	1392.6	2058.3	1994.1	1805.8	1724.4	1613.2
72.5°	151.3	156.1	177.2	232.7	402.9	1077.1	2191.5	2281.6	2024.0	1756.1	1533.0
74°	123.9	126.9	148.9	208.2	323.4	821.2	2096.9	2313.0	2090.9	1740.7	1440.8
75°	97.9	101.0	125.7	199.8	307.4	655.2	1956.8	2254.8	2093.0	1716.9	1329.6
77.5°	60.0	62.1	67.8	138.0	279.4	374.3	1443.8	1856.1	1854.9	1425.8	953.5
80°	47.6	48.2	50.6	72.6	227.5	339.3	914.3	1281.1	1271.8	855.9	488.5
82.5°	32.8	35.3	40.1	47.0	121.1	332.4	576.5	795.9	686.5	325.8	204.3
85°	22.0	23.8	30.4	35.0	64.8	353.8	413.8	447.8	337.8	161.2	134.7
87.5°	9.0	9.3	13.9	16.9	26.2	169.7	278.5	221.8	155.5	102.2	109.7
90°	4.8	4.8	3.6	3.9	9.6	36.5	91.0	88.3	73.2	84.1	103.1
92.5°	5.4	5.4	3.6	3.9	9.3	28.6	98.5	100.7	84.1	89.5	110.3
95°	6.0	6.0	3.6	3.6	9.0	19.6	94.6	106.4	86.5	94.0	111.2
97.5°	6.6	6.9	3.3	3.3	7.2	14.8	59.4	72.6	56.4	48.8	53.3
100°	6.9	6.9	3.0	3.0	4.8	10.5	27.4	35.0	27.1	12.7	8.7
102.5°	6.9	7.2	3.0	2.7	3.3	6.6	8.7	12.7	9.9	7.5	8.1
105°	6.6	7.2	3.0	2.7	2.7	3.6	4.5	5.1	5.4	5.4	8.4
107.5°	5.1	5.7	2.4	2.7	2.4	2.4	1.8	2.1	2.7	4.8	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.6	3.6	1.8	2.4	2.1	2.4	1.5	1.8	2.4	3.6	6.9
112.5°	1.8	1.5	1.2	1.8	1.8	2.1	1.5	1.5	2.1	3.0	4.8
115°	1.2	1.5	0.9	1.2	1.5	1.5	1.2	1.5	1.8	3.0	5.1
117.5°	1.2	1.2	0.9	1.2	1.5	1.2	1.2	1.5	1.8	3.0	5.1
120°	1.5	1.2	0.9	1.2	1.2	0.9	1.2	1.5	1.5	3.0	5.1
122.5°	1.5	1.5	1.2	1.2	1.2	0.9	1.2	1.2	1.5	3.0	4.8
125°	1.8	1.5	1.2	1.2	1.2	0.9	1.2	1.2	1.5	2.7	4.5
127.5°	1.8	1.8	1.2	1.2	1.5	0.9	1.2	1.2	1.5	2.4	4.2
130°	1.8	1.8	1.5	1.2	1.5	1.2	1.2	1.2	1.5	2.1	3.6
132.5°	1.8	1.8	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.8	3.0
135°	2.1	1.8	1.5	1.5	1.8	1.2	1.2	1.2	1.2	1.5	2.1
137.5°	2.1	2.1	1.8	1.8	2.1	1.5	1.2	1.5	1.5	1.5	1.8
140°	2.4	2.4	2.4	2.1	2.1	1.5	1.5	1.5	1.5	1.8	1.8
142.5°	3.0	2.7	2.7	2.4	2.1	1.5	1.5	1.5	1.8	1.8	1.8
145°	3.3	3.3	3.0	2.7	2.1	1.5	1.5	1.8	1.8	2.1	2.1
147.5°	3.3	3.3	3.0	2.4	1.8	1.2	1.5	1.8	1.8	2.1	2.4
150°	3.3	3.0	2.7	2.1	1.5	0.9	1.2	1.5	1.8	2.1	2.4
152.5°	2.4	2.4	2.1	1.5	1.2	0.6	0.9	1.2	1.5	1.8	2.1
155°	1.5	1.5	1.2	0.9	0.9	0.6	0.9	1.2	1.2	1.5	1.8
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	1.2	1.2
160°	0.3	0.3	0.6	0.3	0.6	0.6	0.6	0.9	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.5	1.5	0.9	1.2	1.2	1.5	1.8	2.1
5°	1.8	2.1	1.8	1.5	1.5	1.2	1.5	1.5	1.5	2.1	2.1
7.5°	2.1	2.1	1.8	1.8	1.5	1.2	2.1	65.1	74.7	77.1	77.8
10°	2.7	2.7	2.4	2.1	1.8	70.2	77.5	77.5	76.8	77.5	77.5
12.5°	60.0	64.5	10.2	5.1	57.9	72.9	71.1	69.9	68.7	67.5	66.9
15°	145.9	141.3	129.6	97.3	89.8	66.9	61.5	85.3	91.0	92.5	92.2
17.5°	154.0	146.8	129.0	135.3	118.7	85.6	77.1	76.5	73.2	73.2	73.5
20°	289.6	273.0	176.0	132.0	103.1	103.7	66.0	58.8	61.5	65.4	67.8
22.5°	297.4	275.7	205.8	171.8	92.8	83.8	64.5	57.0	76.8	84.7	85.3
25°	317.3	282.7	208.5	144.7	104.9	68.7	64.2	59.4	70.5	77.8	77.1
27.5°	429.7	381.2	264.9	133.2	82.9	64.8	60.6	57.0	70.2	82.0	81.7
30°	429.1	375.8	244.7	122.7	68.4	60.3	55.1	62.1	65.4	69.9	70.2
32.5°	557.2	477.7	267.6	101.9	60.6	52.1	54.5	56.7	59.4	70.8	73.2
35°	559.9	467.1	232.4	93.4	55.8	49.7	51.2	56.1	61.8	69.0	69.6
37.5°	570.8	461.7	192.9	77.1	57.3	50.3	53.3	58.8	57.3	67.2	68.4
40°	590.7	463.2	162.1	69.0	56.4	50.3	55.8	56.7	57.0	62.1	62.7
42.5°	621.4	471.3	136.2	65.4	55.5	54.5	53.9	54.2	52.1	62.4	63.6
45°	665.1	488.2	116.3	64.2	55.5	63.6	56.4	54.2	49.7	71.7	76.8
47.5°	729.6	521.4	104.6	64.5	55.8	60.9	55.8	52.7	51.8	83.8	87.4
50°	802.5	559.3	96.7	65.7	55.8	60.0	54.8	54.2	57.6	85.0	85.9
52.5°	880.9	610.0	94.0	66.9	60.0	60.9	62.4	62.1	55.5	68.1	68.1
55°	960.5	662.4	94.9	68.4	63.3	62.4	66.6	58.8	47.6	50.6	50.0
57.5°	1035.5	723.6	101.3	67.5	61.2	61.8	67.2	55.1	47.6	50.6	51.8
60°	1116.9	789.9	118.7	65.1	60.3	60.0	66.3	58.2	47.6	58.2	58.5
62.5°	1216.0	881.2	156.7	67.5	65.1	61.8	66.6	64.2	54.5	55.8	57.0
65°	1333.2	975.5	192.9	76.8	68.7	62.1	65.7	67.5	61.8	59.7	59.4
67.5°	1419.1	998.7	194.4	89.2	73.5	65.4	66.3	73.5	67.5	68.7	68.1
70°	1397.4	935.4	168.5	94.3	76.5	68.1	68.1	76.2	71.1	81.7	82.0
72.5°	1291.4	812.2	142.2	87.4	72.6	69.0	75.6	79.0	75.6	98.2	97.0
74°	1169.6	719.4	130.8	79.6	71.1	68.7	77.8	79.0	78.1	104.9	104.0
75°	1076.2	646.4	124.5	75.0	70.2	67.8	78.4	79.3	79.0	105.8	105.5
77.5°	743.8	436.7	108.8	66.9	68.7	67.8	78.1	81.1	83.2	105.2	104.3
80°	381.5	239.0	90.7	63.3	68.1	69.6	77.1	78.4	81.7	99.5	98.5
82.5°	191.4	137.7	66.6	58.2	69.0	75.6	77.5	75.9	76.8	91.6	90.1
85°	123.3	95.2	44.3	48.8	70.2	82.0	77.1	70.8	72.0	79.9	79.3
87.5°	99.1	70.5	27.1	38.0	74.7	75.0	70.5	62.7	61.2	62.7	61.8
90°	91.6	65.4	22.9	35.9	72.3	62.7	57.6	51.2	45.8	46.1	44.3
92.5°	98.5	68.4	24.4	35.6	57.6	44.0	42.2	38.9	32.2	28.6	26.8
95°	97.0	65.7	24.7	30.1	42.2	25.0	29.8	27.4	19.9	15.1	14.2
97.5°	46.7	33.2	22.0	23.5	24.7	19.0	25.3	23.2	14.5	9.3	8.7
100°	8.7	12.4	19.6	22.3	19.6	14.8	19.9	17.8	7.8	4.8	4.5
102.5°	8.4	6.9	14.8	20.2	12.4	8.4	10.8	9.9	5.1	3.6	3.6
105°	8.7	6.9	6.9	13.9	7.5	3.9	3.3	4.8	3.6	3.6	3.9
107.5°	9.0	6.9	4.2	4.5	3.6	3.0	2.4	2.4	2.7	3.9	4.2



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CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.2	6.0	3.9	3.6	3.3	3.0	2.4	2.1	2.7	4.2	4.5
112.5°	5.1	4.8	3.6	3.0	2.7	2.7	2.1	1.8	2.7	4.5	4.8
115°	5.1	4.8	3.0	2.7	2.1	2.4	2.1	1.8	2.7	5.1	5.4
117.5°	5.4	4.5	3.0	2.4	1.8	1.8	1.8	1.8	3.0	5.1	5.4
120°	5.4	4.5	3.0	2.1	1.8	1.5	1.8	1.8	3.0	5.1	5.7
122.5°	5.1	4.5	2.7	2.1	1.8	1.5	1.5	1.5	2.7	5.1	5.4
125°	4.8	4.2	2.7	2.1	1.8	1.2	1.5	1.5	2.7	4.8	5.4
127.5°	4.5	3.9	2.7	2.1	1.5	1.2	1.5	1.5	2.7	4.5	5.1
130°	3.9	3.6	2.4	1.8	1.5	1.2	1.5	1.5	2.7	4.2	4.8
132.5°	3.3	3.0	2.1	1.8	1.5	1.2	1.5	1.2	2.1	3.9	4.2
135°	2.4	2.4	2.1	1.5	1.5	0.9	1.2	1.2	1.8	3.0	3.3
137.5°	2.1	2.1	1.8	1.5	1.5	0.9	1.2	0.9	1.5	2.4	2.7
140°	2.1	2.1	1.8	1.5	1.2	0.9	0.9	0.9	1.2	2.1	2.1
142.5°	2.1	2.1	1.8	1.5	1.2	0.9	0.9	0.9	1.2	1.8	2.1
145°	2.1	2.1	2.1	1.8	1.2	0.9	0.9	0.9	1.2	1.8	1.8
147.5°	2.4	2.4	2.1	1.5	1.2	0.6	0.6	0.9	1.2	1.8	1.8
150°	2.4	2.4	2.1	1.5	1.2	0.6	0.3	0.6	0.9	1.5	1.8
152.5°	2.1	2.1	1.8	1.5	0.9	0.6	0.3	0.6	0.9	1.5	1.5
155°	1.8	1.8	1.5	1.2	0.9	0.3	0.0	0.3	0.6	1.2	1.2
157.5°	1.2	1.5	1.2	0.9	0.6	0.3	0.0	0.3	0.3	0.9	0.9
160°	1.2	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.3	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)