

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: P414872

Luminaire Tested: **LXF.LXT-PA1-30-830-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414872
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-PA1-30-830-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 2943 lumens
Efficiency: N/A
Efficacy: 94.9 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

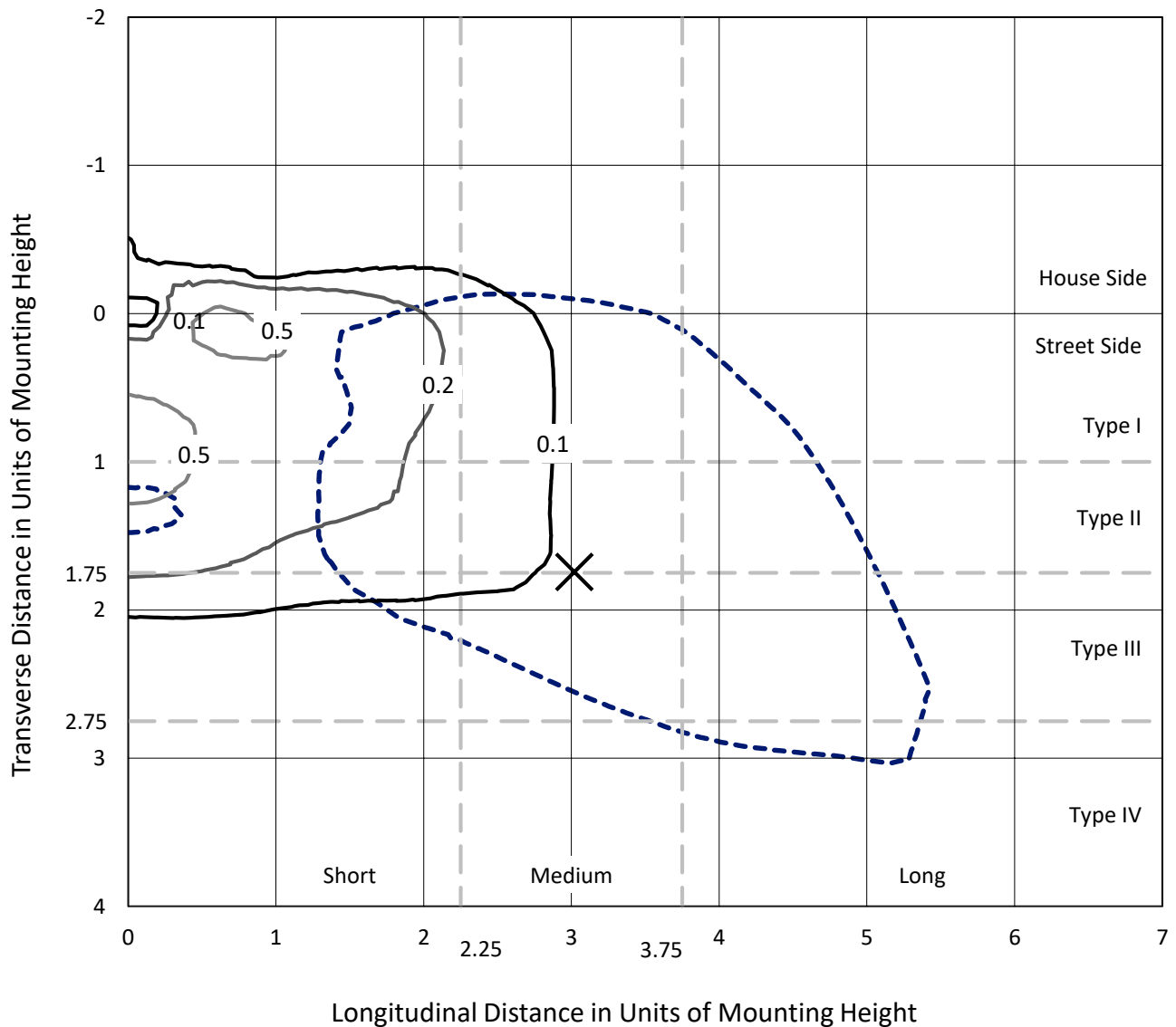
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

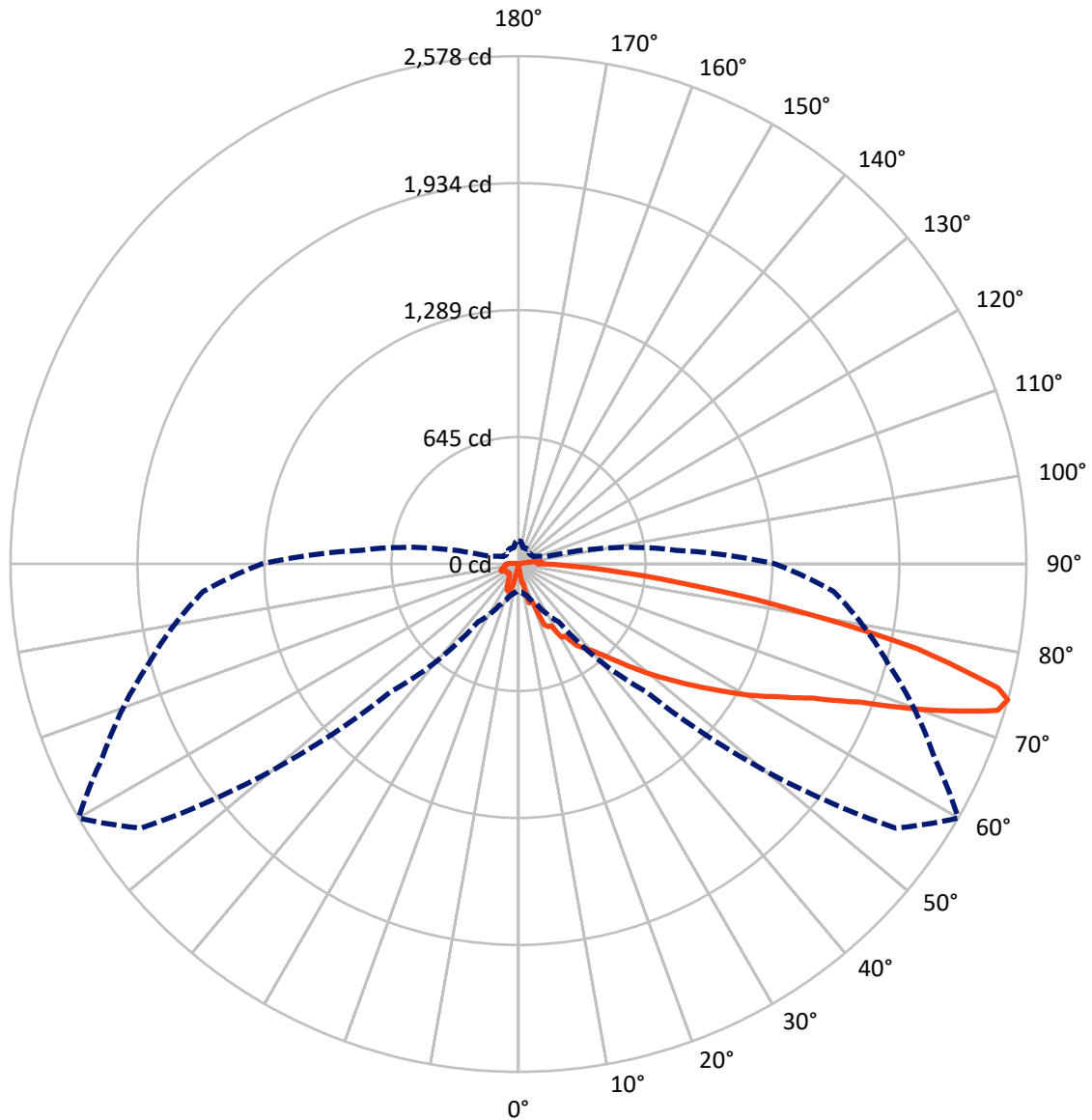


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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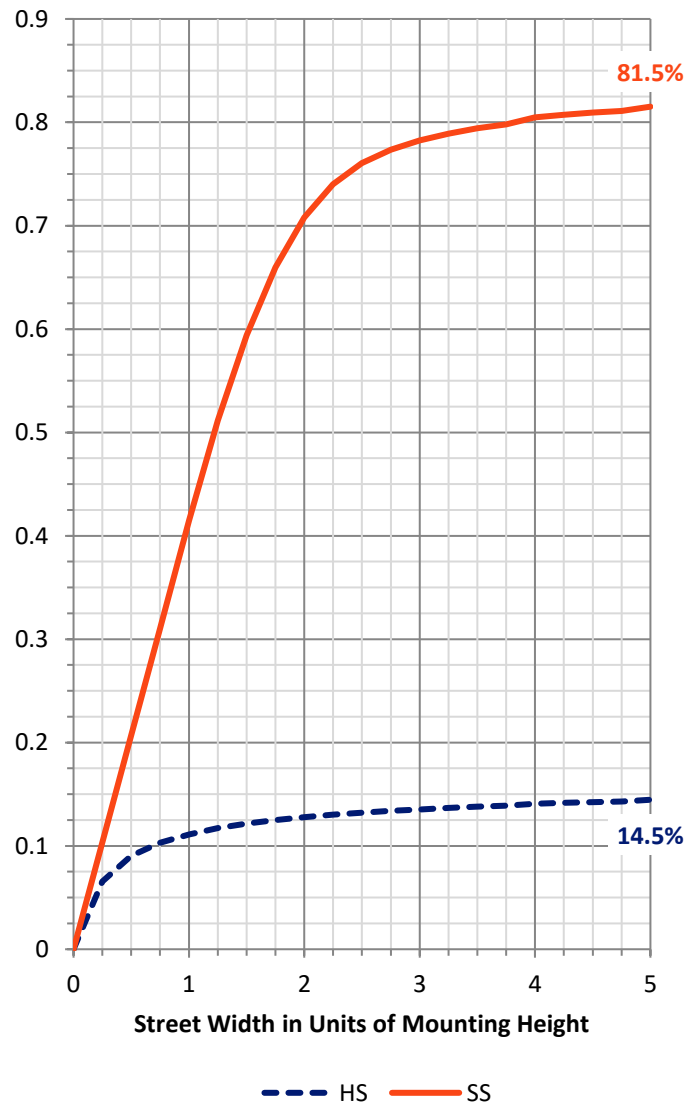
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.7	28.6	480.3
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	2432.1	30.7	2462.7
	% Fixture	82.6	1.0	83.7
Total	Lumens	2883.7	59.3	2943.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	37.6	1.3
20°-30°	113.8	3.9
30°-40°	227.8	7.7
40°-50°	390.8	13.3
50°-60°	595.7	20.2
60°-70°	734.0	24.9
70°-80°	613.6	20.9
80°-90°	167.1	5.7
90°-100°	43.2	1.5
100°-110°	7.7	0.3
110°-120°	2.9	0.1
120°-130°	2.2	0.1
130°-140°	1.5	0.1
140°-150°	1.2	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2883.7	98.0
0°-180°	2943.0	100.0



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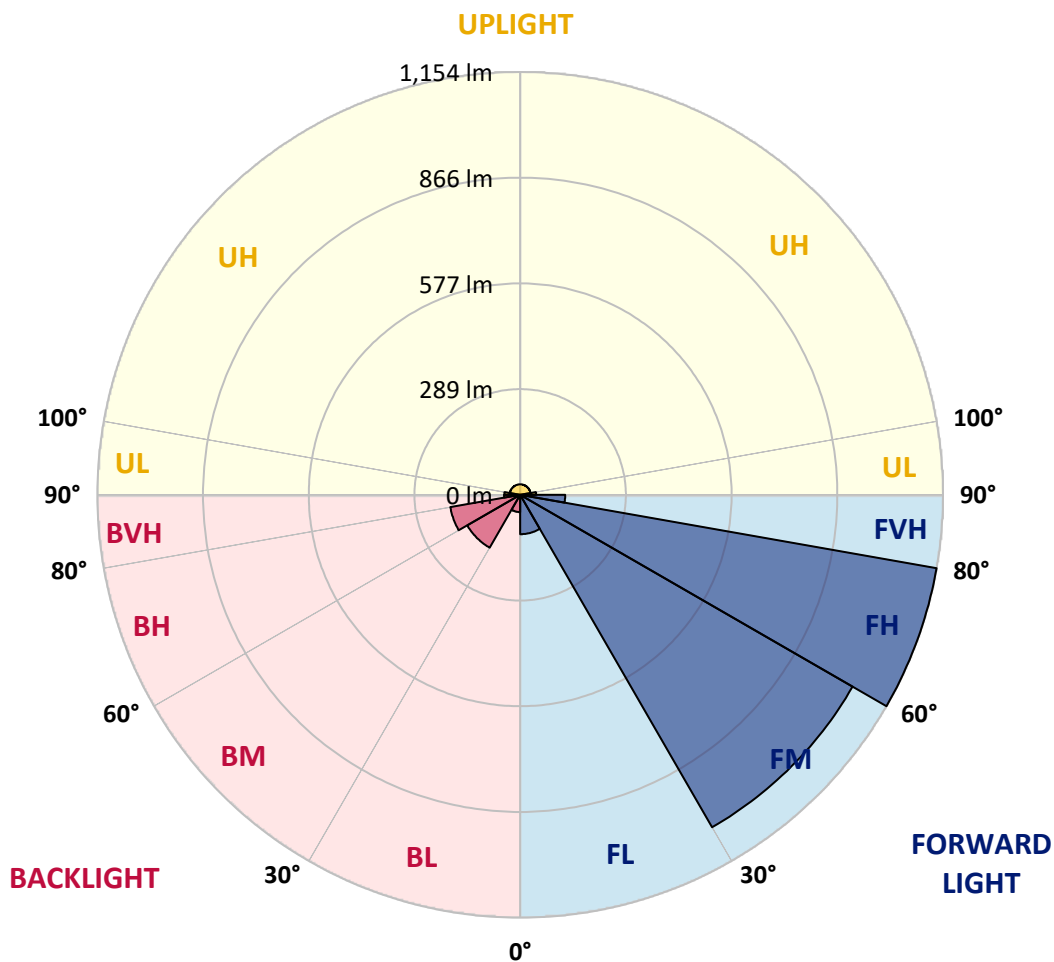
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.5	3.7			
FM	(30°-60°)	1047.7	35.6			
FH	(60°-80°)	1154.1	39.2			G1/1800
FVH	(80°-90°)	122.8	4.2			G2/225
BL	(0°-30°)	47.2	1.6	B0/110		
BM	(30°-60°)	166.6	5.7	B0/220		
BH	(60°-80°)	193.6	6.6	B1/500		G1/500
BVH	(80°-90°)	44.3	1.5			G1/100
UL	(90°-100°)	43.2	1.5		U2/50	
UH	(100°-180°)	28.6	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.7	3.4	3.0	3.4	3.7	3.4	2.7	2.4	2.0	2.0	2.0
5°	98.1	96.8	96.1	74.9	17.8	11.1	4.4	3.0	2.7	2.0	2.0
7.5°	99.4	98.1	98.4	98.1	96.4	96.4	31.2	11.4	6.4	2.4	2.4
10°	104.8	102.8	100.1	99.8	99.1	98.1	96.4	94.4	21.5	3.7	3.4
12.5°	193.5	192.5	191.2	147.5	106.8	99.4	98.4	96.1	73.9	14.1	65.2
15°	192.2	191.8	189.5	190.5	190.2	108.2	122.6	204.6	196.5	142.4	164.3
17.5°	201.6	200.6	193.5	189.1	189.5	216.0	200.6	201.9	202.6	180.1	176.0
20°	273.5	271.8	271.1	263.4	192.5	253.6	258.7	209.6	214.7	279.5	312.4
22.5°	276.8	274.5	271.8	269.8	303.7	252.6	273.5	333.9	318.8	369.9	348.7
25°	373.9	367.5	341.0	276.2	303.4	290.9	353.8	352.1	333.3	386.0	372.9
27.5°	404.8	400.5	381.0	366.2	309.4	348.4	351.7	355.4	419.3	532.5	496.2
30°	542.2	508.3	420.6	411.5	369.2	351.4	402.1	431.0	471.7	534.8	524.8
32.5°	620.8	604.4	562.1	497.2	432.4	384.3	436.1	436.1	474.0	646.4	663.5
35°	748.2	695.1	612.4	568.4	493.2	459.9	449.5	506.3	560.4	679.0	678.0
37.5°	794.2	789.2	758.2	623.2	579.9	500.2	524.1	541.6	587.2	726.0	724.0
40°	819.4	830.5	832.8	741.5	644.0	577.8	569.4	579.2	623.2	792.2	766.6
42.5°	904.7	908.8	921.2	817.0	740.1	662.5	639.0	635.0	665.5	869.1	823.1
45°	1042.5	1044.5	1035.4	904.1	818.4	746.5	720.3	704.8	731.7	945.4	894.6
47.5°	1200.4	1205.1	1161.4	1002.5	889.6	827.5	813.3	789.5	806.6	1014.2	983.7
50°	1326.0	1324.7	1246.7	1082.1	961.5	910.4	906.1	883.9	885.9	1097.9	1079.8
52.5°	1358.6	1356.6	1290.1	1140.9	1027.0	996.8	1016.6	982.3	964.5	1184.6	1179.5
55°	1309.6	1313.2	1282.0	1165.4	1068.7	1072.7	1124.1	1094.5	1070.4	1266.5	1274.6
57.5°	1238.7	1234.3	1239.0	1174.8	1101.3	1146.9	1252.1	1215.1	1192.0	1359.3	1368.3
60°	1107.3	1101.3	1162.1	1164.8	1131.5	1230.9	1388.2	1352.2	1319.6	1457.0	1447.3
62.5°	907.4	899.7	1009.5	1102.9	1166.1	1329.4	1522.5	1483.6	1452.0	1560.8	1542.4
65°	604.0	640.7	769.3	967.9	1153.3	1471.1	1700.3	1641.8	1584.4	1667.3	1664.0
67.5°	350.4	376.6	471.0	688.4	1048.2	1592.4	1982.1	1871.3	1772.2	1787.9	1780.2
70°	217.4	225.4	266.4	397.1	738.8	1552.4	2294.6	2223.0	2013.0	1922.3	1798.4
72.5°	168.6	174.0	197.5	259.4	449.2	1200.7	2443.1	2543.5	2256.3	1957.6	1709.0
74°	138.1	141.4	166.0	232.1	360.5	915.5	2337.6	2578.4	2330.9	1940.5	1606.2
75°	109.2	112.5	140.1	222.7	342.7	730.4	2181.4	2513.6	2333.2	1913.9	1482.2
77.5°	66.9	69.2	75.6	153.9	311.4	417.3	1609.6	2069.1	2067.8	1589.4	1063.0
80°	53.1	53.8	56.4	81.0	253.6	378.3	1019.3	1428.1	1417.7	954.1	544.6
82.5°	36.6	39.3	44.7	52.4	135.1	370.6	642.7	887.3	765.3	363.2	227.8
85°	24.5	26.5	33.9	39.0	72.2	394.4	461.3	499.2	376.6	179.7	150.2
87.5°	10.1	10.4	15.5	18.8	29.2	189.1	310.4	247.3	173.4	113.9	122.3
90°	5.4	5.4	4.0	4.4	10.8	40.7	101.5	98.4	81.6	93.7	114.9
92.5°	6.0	6.0	4.0	4.4	10.4	31.9	109.9	112.2	93.7	99.8	123.0
95°	6.7	6.7	4.0	4.0	10.1	21.8	105.5	118.6	96.4	104.8	124.0
97.5°	7.4	7.7	3.7	3.7	8.1	16.5	66.2	81.0	62.8	54.4	59.5
100°	7.7	7.7	3.4	3.4	5.4	11.8	30.6	39.0	30.2	14.1	9.7
102.5°	7.7	8.1	3.4	3.0	3.7	7.4	9.7	14.1	11.1	8.4	9.1
105°	7.4	8.1	3.4	3.0	3.0	4.0	5.0	5.7	6.0	6.0	9.4
107.5°	5.7	6.4	2.7	3.0	2.7	2.7	2.0	2.4	3.0	5.4	9.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.0	4.0	2.0	2.7	2.4	2.7	1.7	2.0	2.7	4.0	7.7
112.5°	2.0	1.7	1.3	2.0	2.0	2.4	1.7	1.7	2.4	3.4	5.4
115°	1.3	1.7	1.0	1.3	1.7	1.7	1.3	1.7	2.0	3.4	5.7
117.5°	1.3	1.3	1.0	1.3	1.7	1.3	1.3	1.7	2.0	3.4	5.7
120°	1.7	1.3	1.0	1.3	1.3	1.0	1.3	1.7	1.7	3.4	5.7
122.5°	1.7	1.7	1.3	1.3	1.3	1.0	1.3	1.3	1.7	3.4	5.4
125°	2.0	1.7	1.3	1.3	1.3	1.0	1.3	1.3	1.7	3.0	5.0
127.5°	2.0	2.0	1.3	1.3	1.7	1.0	1.3	1.3	1.7	2.7	4.7
130°	2.0	2.0	1.7	1.3	1.7	1.3	1.3	1.3	1.7	2.4	4.0
132.5°	2.0	2.0	1.7	1.7	1.7	1.3	1.3	1.3	1.3	2.0	3.4
135°	2.4	2.0	1.7	1.7	2.0	1.3	1.3	1.3	1.3	1.7	2.4
137.5°	2.4	2.4	2.0	2.0	2.4	1.7	1.3	1.7	1.7	1.7	2.0
140°	2.7	2.7	2.7	2.4	2.4	1.7	1.7	1.7	1.7	2.0	2.0
142.5°	3.4	3.0	3.0	2.7	2.4	1.7	1.7	1.7	2.0	2.0	2.0
145°	3.7	3.7	3.4	3.0	2.4	1.7	1.7	2.0	2.0	2.4	2.4
147.5°	3.7	3.7	3.4	2.7	2.0	1.3	1.7	2.0	2.0	2.4	2.7
150°	3.7	3.4	3.0	2.4	1.7	1.0	1.3	1.7	2.0	2.4	2.7
152.5°	2.7	2.7	2.4	1.7	1.3	0.7	1.0	1.3	1.7	2.0	2.4
155°	1.7	1.7	1.3	1.0	1.0	0.7	1.0	1.3	1.3	1.7	2.0
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.3	1.3
160°	0.3	0.3	0.7	0.3	0.7	0.7	0.7	1.0	1.0	1.0	1.0
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	1.7	1.7	1.0	1.3	1.3	1.7	2.0	2.4
5°	2.0	2.4	2.0	1.7	1.7	1.3	1.7	1.7	1.7	2.4	2.4
7.5°	2.4	2.4	2.0	2.0	1.7	1.3	2.4	72.6	83.3	86.0	86.7
10°	3.0	3.0	2.7	2.4	2.0	78.3	86.3	86.3	85.7	86.3	86.3
12.5°	66.9	71.9	11.4	5.7	64.5	81.3	79.3	77.9	76.6	75.3	74.6
15°	162.6	157.6	144.5	108.5	100.1	74.6	68.5	95.1	101.5	103.1	102.8
17.5°	171.7	163.6	143.8	150.8	132.4	95.4	86.0	85.3	81.6	81.6	82.0
20°	322.9	304.4	196.2	147.1	114.9	115.6	73.6	65.5	68.5	72.9	75.6
22.5°	331.6	307.4	229.5	191.5	103.5	93.4	71.9	63.5	85.7	94.4	95.1
25°	353.8	315.1	232.5	161.3	116.9	76.6	71.6	66.2	78.6	86.7	86.0
27.5°	479.1	425.0	295.3	148.5	92.4	72.2	67.5	63.5	78.3	91.4	91.0
30°	478.4	418.9	272.8	136.7	76.3	67.2	61.5	69.2	72.9	77.9	78.3
32.5°	621.2	532.5	298.3	113.6	67.5	58.1	60.8	63.2	66.2	78.9	81.6
35°	624.2	520.7	259.0	104.1	62.2	55.4	57.1	62.5	68.9	76.9	77.6
37.5°	636.3	514.7	215.0	86.0	63.8	56.1	59.5	65.5	63.8	74.9	76.3
40°	658.5	516.4	180.7	76.9	62.8	56.1	62.2	63.2	63.5	69.2	69.9
42.5°	692.7	525.4	151.9	72.9	61.8	60.8	60.1	60.5	58.1	69.5	70.9
45°	741.5	544.2	129.7	71.6	61.8	70.9	62.8	60.5	55.4	80.0	85.7
47.5°	813.3	581.2	116.6	71.9	62.2	67.9	62.2	58.8	57.8	93.4	97.4
50°	894.6	623.5	107.8	73.2	62.2	66.9	61.1	60.5	64.2	94.7	95.7
52.5°	982.0	680.0	104.8	74.6	66.9	67.9	69.5	69.2	61.8	75.9	75.9
55°	1070.7	738.4	105.8	76.3	70.6	69.5	74.2	65.5	53.1	56.4	55.8
57.5°	1154.3	806.6	112.9	75.3	68.2	68.9	74.9	61.5	53.1	56.4	57.8
60°	1245.0	880.5	132.4	72.6	67.2	66.9	73.9	64.8	53.1	64.8	65.2
62.5°	1355.6	982.3	174.7	75.3	72.6	68.9	74.2	71.6	60.8	62.2	63.5
65°	1486.3	1087.5	215.0	85.7	76.6	69.2	73.2	75.3	68.9	66.5	66.2
67.5°	1582.0	1113.4	216.7	99.4	82.0	72.9	73.9	82.0	75.3	76.6	75.9
70°	1557.8	1042.8	187.8	105.2	85.3	75.9	75.9	85.0	79.3	91.0	91.4
72.5°	1439.6	905.4	158.6	97.4	81.0	76.9	84.3	88.0	84.3	109.5	108.2
74°	1303.8	801.9	145.8	88.7	79.3	76.6	86.7	88.0	87.0	116.9	115.9
75°	1199.7	720.6	138.7	83.7	78.3	75.6	87.3	88.4	88.0	117.9	117.6
77.5°	829.1	486.8	121.3	74.6	76.6	75.6	87.0	90.4	92.7	117.2	116.2
80°	425.3	266.4	101.1	70.6	75.9	77.6	86.0	87.3	91.0	110.9	109.9
82.5°	213.3	153.5	74.2	64.8	76.9	84.3	86.3	84.7	85.7	102.1	100.5
85°	137.4	106.2	49.4	54.4	78.3	91.4	86.0	78.9	80.3	89.0	88.4
87.5°	110.5	78.6	30.2	42.3	83.3	83.7	78.6	69.9	68.2	69.9	68.9
90°	102.1	72.9	25.5	40.0	80.6	69.9	64.2	57.1	51.1	51.4	49.4
92.5°	109.9	76.3	27.2	39.6	64.2	49.0	47.0	43.3	35.9	31.9	29.9
95°	108.2	73.2	27.5	33.6	47.0	27.9	33.3	30.6	22.2	16.8	15.8
97.5°	52.1	37.0	24.5	26.2	27.5	21.2	28.2	25.9	16.1	10.4	9.7
100°	9.7	13.8	21.8	24.9	21.8	16.5	22.2	19.8	8.7	5.4	5.0
102.5°	9.4	7.7	16.5	22.5	13.8	9.4	12.1	11.1	5.7	4.0	4.0
105°	9.7	7.7	7.7	15.5	8.4	4.4	3.7	5.4	4.0	4.0	4.4
107.5°	10.1	7.7	4.7	5.0	4.0	3.4	2.7	2.7	3.0	4.4	4.7



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.1	6.7	4.4	4.0	3.7	3.4	2.7	2.4	3.0	4.7	5.0
112.5°	5.7	5.4	4.0	3.4	3.0	3.0	2.4	2.0	3.0	5.0	5.4
115°	5.7	5.4	3.4	3.0	2.4	2.7	2.4	2.0	3.0	5.7	6.0
117.5°	6.0	5.0	3.4	2.7	2.0	2.0	2.0	2.0	3.4	5.7	6.0
120°	6.0	5.0	3.4	2.4	2.0	1.7	2.0	2.0	3.4	5.7	6.4
122.5°	5.7	5.0	3.0	2.4	2.0	1.7	1.7	1.7	3.0	5.7	6.0
125°	5.4	4.7	3.0	2.4	2.0	1.3	1.7	1.7	3.0	5.4	6.0
127.5°	5.0	4.4	3.0	2.4	1.7	1.3	1.7	1.7	3.0	5.0	5.7
130°	4.4	4.0	2.7	2.0	1.7	1.3	1.7	1.7	3.0	4.7	5.4
132.5°	3.7	3.4	2.4	2.0	1.7	1.3	1.7	1.3	2.4	4.4	4.7
135°	2.7	2.7	2.4	1.7	1.7	1.0	1.3	1.3	2.0	3.4	3.7
137.5°	2.4	2.4	2.0	1.7	1.7	1.0	1.3	1.0	1.7	2.7	3.0
140°	2.4	2.4	2.0	1.7	1.3	1.0	1.0	1.0	1.3	2.4	2.4
142.5°	2.4	2.4	2.0	1.7	1.3	1.0	1.0	1.0	1.3	2.0	2.4
145°	2.4	2.4	2.4	2.0	1.3	1.0	1.0	1.0	1.3	2.0	2.0
147.5°	2.7	2.7	2.4	1.7	1.3	0.7	0.7	1.0	1.3	2.0	2.0
150°	2.7	2.7	2.4	1.7	1.3	0.7	0.3	0.7	1.0	1.7	2.0
152.5°	2.4	2.4	2.0	1.7	1.0	0.7	0.3	0.7	1.0	1.7	1.7
155°	2.0	2.0	1.7	1.3	1.0	0.3	0.0	0.3	0.7	1.3	1.3
157.5°	1.3	1.7	1.3	1.0	0.7	0.3	0.0	0.3	0.3	1.0	1.0
160°	1.3	1.3	1.3	1.0	0.7	0.3	0.0	0.0	0.3	0.7	0.7
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)