

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: P414648

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3465 lumens
Efficiency: N/A
Efficacy: 111.8 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

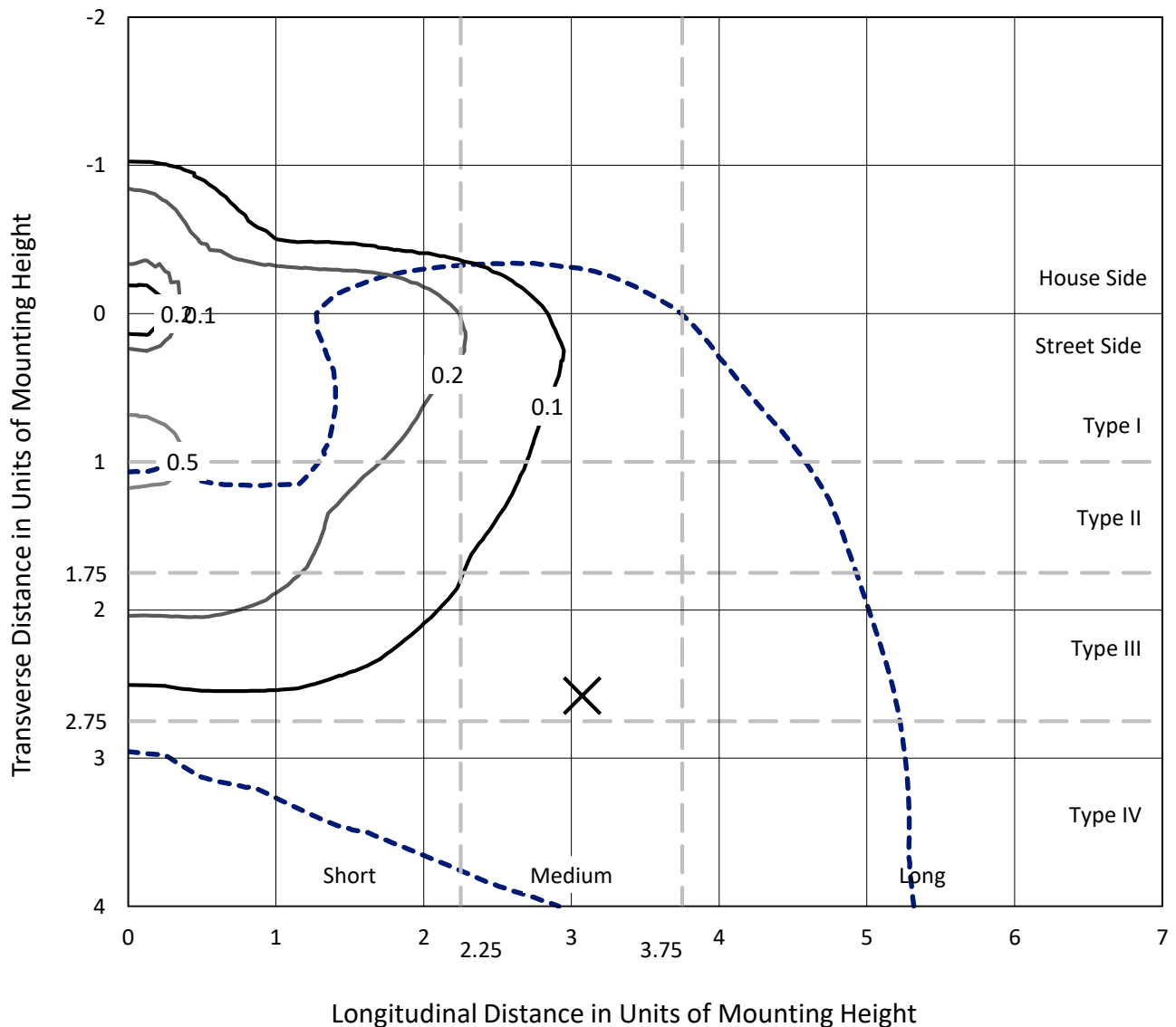
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

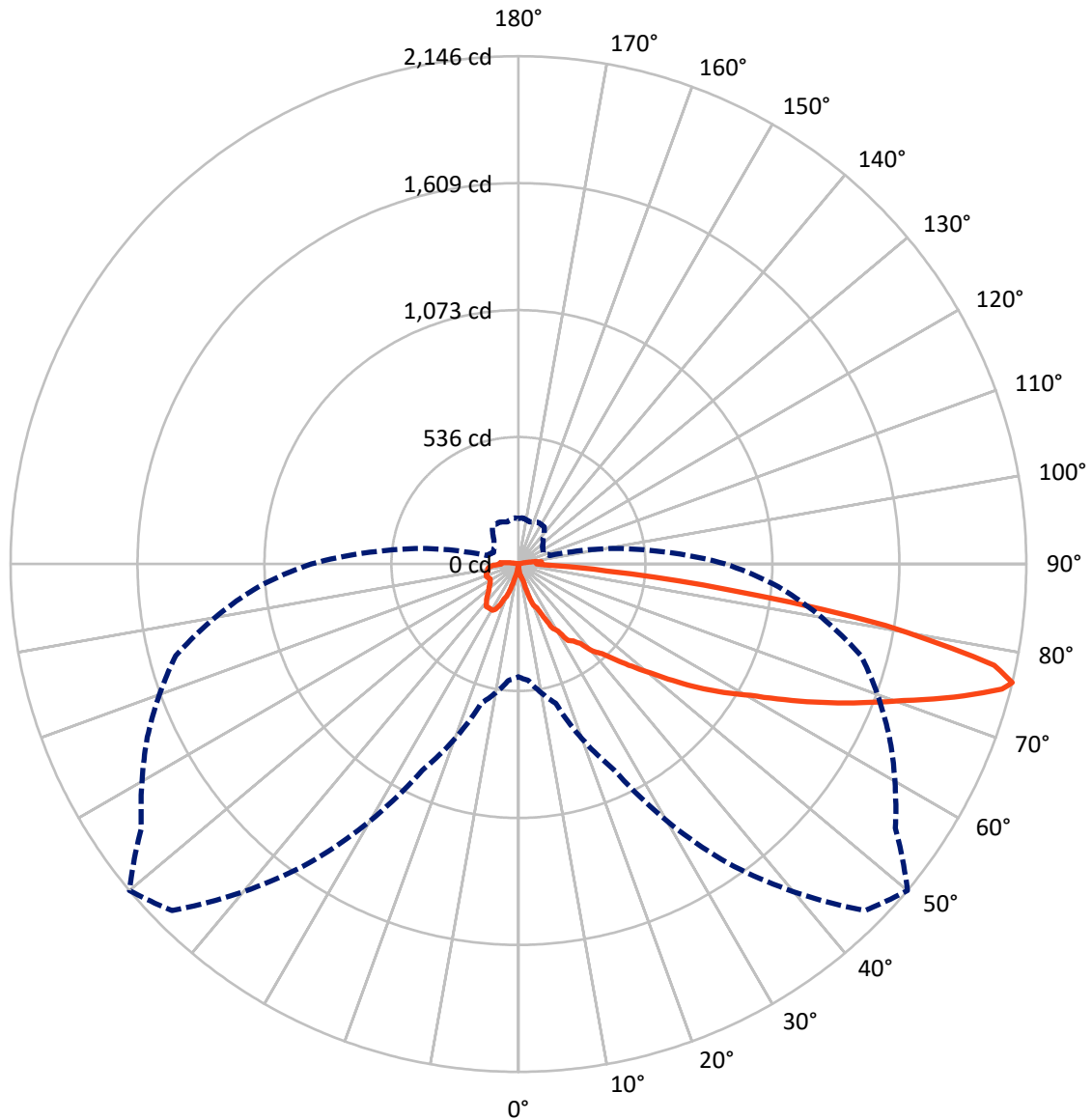


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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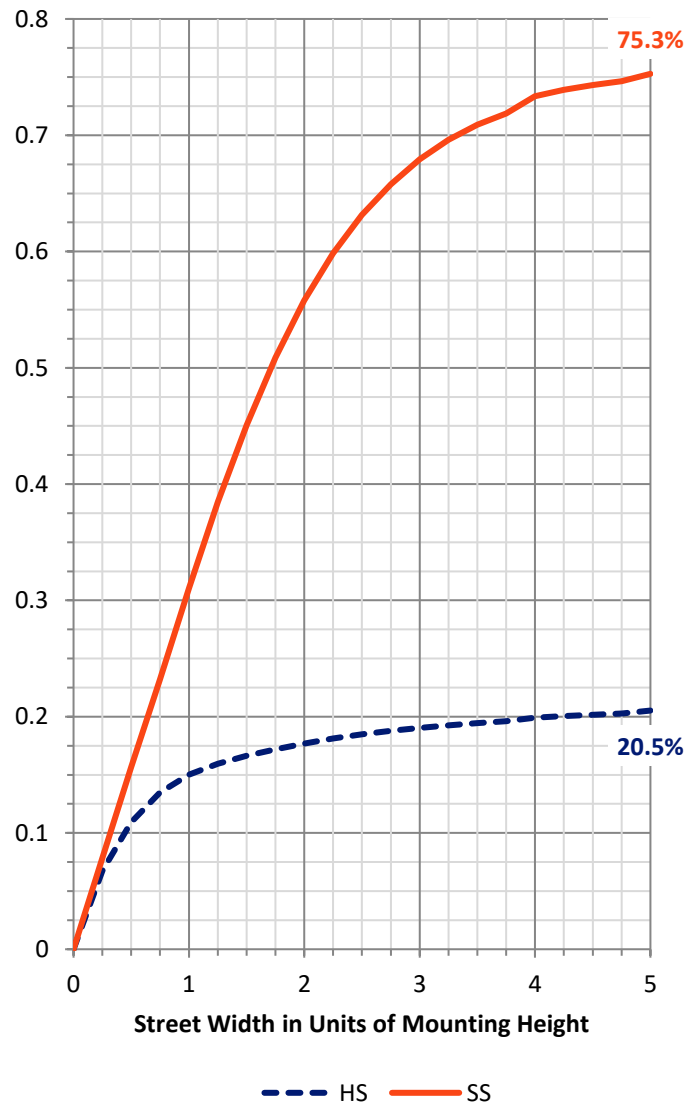
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	756.2	42.6	798.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	2631.9	34.2	2666.2
	% Fixture	76.0	1.0	76.9
Total	Lumens	3388.2	76.8	3465.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	28.9	0.8
20°-30°	113.0	3.3
30°-40°	243.3	7.0
40°-50°	396.4	11.4
50°-60°	638.1	18.4
60°-70°	929.5	26.8
70°-80°	829.3	23.9
80°-90°	207.7	6.0
90°-100°	60.8	1.8
100°-110°	9.0	0.3
110°-120°	2.6	0.1
120°-130°	1.8	0.1
130°-140°	1.2	0.0
140°-150°	1.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3388.2	97.8
0°-180°	3465.0	100.0



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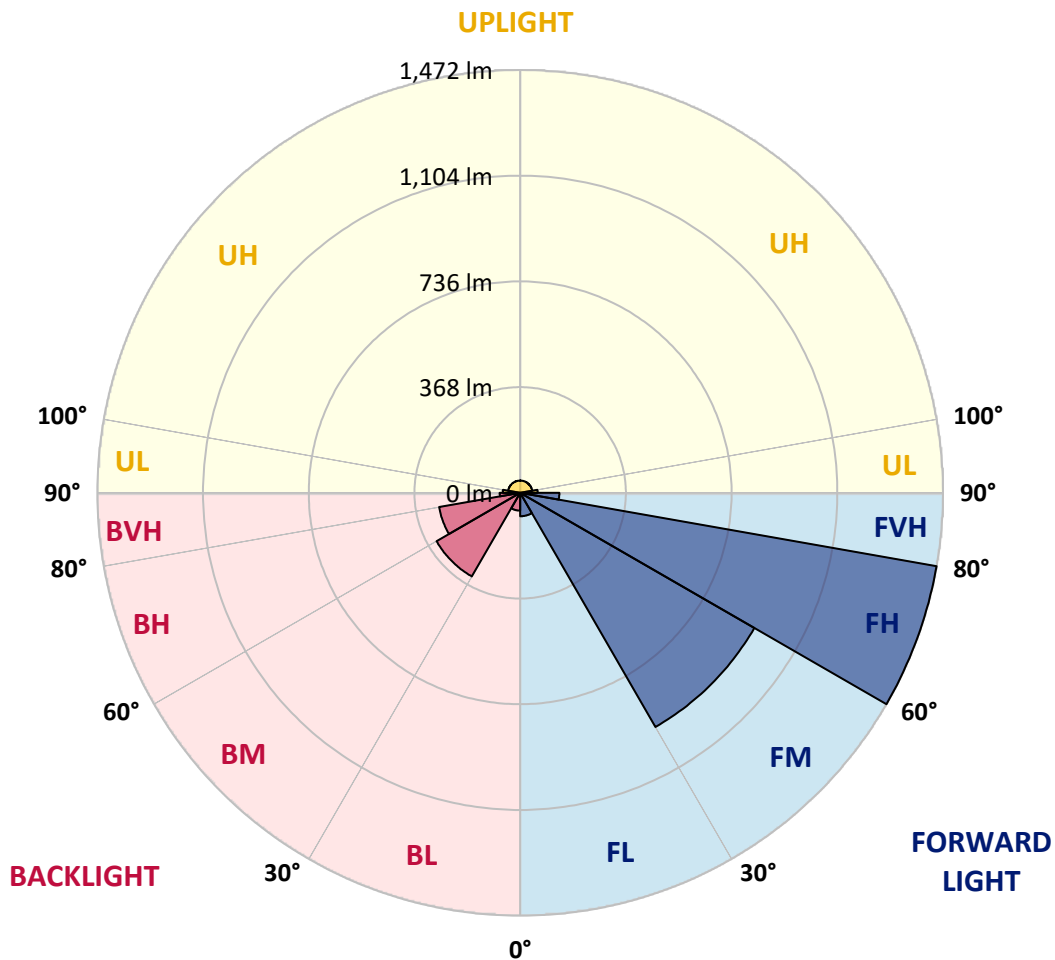
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.7	2.4			
FM	(30°-60°)	941.6	27.2			
FH	(60°-80°)	1472.3	42.5			G1/1800
FVH	(80°-90°)	136.4	3.9			G2/225
BL	(0°-30°)	62.2	1.8	B0/110		
BM	(30°-60°)	336.3	9.7	B1/1000		
BH	(60°-80°)	286.5	8.3	B1/500		G1/500
BVH	(80°-90°)	71.3	2.1			G1/100
UL	(90°-100°)	60.8	1.8		U3/500	
UH	(100°-180°)	42.6	1.2		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	5.0	3.9	3.5	3.1	3.1	2.7	2.7	2.3	2.3	2.3	2.3
5°	48.5	47.0	43.5	40.4	13.9	11.6	9.6	7.3	2.7	2.7	2.3
7.5°	58.1	57.0	54.7	53.1	50.8	47.4	43.5	20.4	8.1	3.1	2.7
10°	76.2	70.5	65.8	62.0	59.3	53.5	52.0	48.9	13.5	5.8	4.2
12.5°	136.3	133.2	128.6	87.4	72.0	61.6	59.3	56.6	43.9	20.8	37.4
15°	150.2	147.1	142.5	136.7	128.2	75.9	71.2	88.6	113.2	85.1	89.0
17.5°	176.4	174.8	162.5	148.6	140.2	149.0	149.4	135.6	128.6	112.4	102.4
20°	244.5	243.0	236.1	200.6	158.7	188.3	187.5	180.6	144.4	166.0	178.7
22.5°	254.5	252.6	246.5	236.8	251.1	206.4	201.4	201.4	213.0	225.7	210.3
25°	335.0	333.1	286.1	249.2	269.2	245.7	246.5	272.6	235.7	247.6	236.4
27.5°	350.0	347.3	343.5	318.9	283.4	311.1	306.9	292.7	306.5	342.0	330.0
30°	408.6	378.9	366.2	352.0	334.6	329.6	327.7	353.5	363.5	361.2	364.7
32.5°	474.0	472.9	460.6	375.5	378.5	354.3	385.5	397.0	381.6	438.6	475.2
35°	569.5	530.3	506.4	449.8	393.9	409.7	398.9	410.9	463.6	469.0	504.1
37.5°	715.9	713.6	658.9	496.4	454.4	419.4	427.1	460.2	494.8	502.5	549.9
40°	836.8	825.6	791.0	618.8	494.1	453.6	484.4	477.1	513.7	540.7	586.1
42.5°	926.5	936.9	917.3	716.3	573.8	507.9	517.2	507.5	541.4	591.9	638.1
45°	1012.4	1008.2	1021.6	815.2	650.4	577.6	576.9	553.4	592.3	648.9	709.7
47.5°	1082.5	1076.3	1090.2	922.7	738.6	640.8	646.2	615.8	653.1	720.1	816.0
50°	1160.6	1148.7	1158.0	1012.8	853.7	732.0	724.7	701.2	722.4	813.7	945.8
52.5°	1254.6	1246.1	1229.6	1102.5	972.3	826.0	816.8	794.0	817.2	930.0	1089.4
55°	1338.9	1329.3	1315.8	1226.1	1070.9	921.5	921.9	899.2	944.2	1057.1	1256.1
57.5°	1426.7	1422.1	1429.1	1364.4	1211.9	1021.2	1023.6	1009.7	1090.6	1187.6	1432.9
60°	1499.5	1492.6	1531.1	1505.7	1337.0	1135.2	1126.0	1141.0	1240.0	1323.9	1612.0
62.5°	1527.2	1531.9	1604.7	1635.8	1458.3	1258.1	1261.5	1282.0	1378.2	1487.2	1784.5
65°	1397.1	1413.3	1616.6	1658.6	1593.5	1394.4	1411.0	1407.5	1519.9	1607.3	1930.0
67.5°	1255.8	1274.2	1495.3	1664.3	1698.2	1554.6	1563.1	1528.8	1642.0	1682.4	2038.6
70°	1155.6	1169.9	1351.7	1631.6	1762.5	1721.7	1725.6	1662.0	1730.6	1770.6	2034.8
72.5°	982.4	997.4	1165.3	1508.0	1802.6	1924.3	1924.3	1784.1	1802.2	1768.7	1796.8
75°	663.9	669.7	807.1	1170.7	1699.0	2089.5	2109.5	1917.3	1777.6	1606.6	1340.1
76°	476.7	494.4	609.6	961.2	1543.0	2070.6	2145.7	1944.3	1729.4	1499.1	1102.9
77.5°	252.6	268.8	359.7	615.4	1251.5	1925.4	2055.2	1861.5	1576.9	1287.0	815.6
80°	99.0	97.8	123.6	219.1	633.9	1464.5	1572.7	1372.1	1066.7	745.5	387.4
82.5°	54.3	59.7	78.6	115.9	275.0	807.9	888.4	724.0	544.5	343.9	226.4
85°	34.7	35.4	46.2	71.6	169.8	340.4	373.9	310.0	254.9	211.0	161.0
87.5°	20.8	21.6	24.3	33.1	83.9	100.1	109.4	128.6	146.3	145.2	139.0
90°	14.2	14.2	11.9	13.1	39.3	80.1	77.0	82.0	74.7	94.7	134.0
92.5°	13.9	13.9	11.6	11.9	33.5	89.0	89.3	89.0	78.9	96.7	140.9
95°	12.3	12.7	10.0	10.4	24.6	83.2	97.8	94.7	79.7	97.4	140.6
97.5°	10.4	10.8	7.7	8.9	16.6	56.2	72.8	74.3	49.7	49.3	63.5
100°	7.7	8.1	5.4	6.9	10.0	25.8	38.9	36.6	24.6	13.5	8.9
102.5°	7.3	7.7	4.6	5.4	6.2	8.9	14.2	10.8	9.2	7.7	7.7
105°	8.1	8.1	4.2	3.9	3.9	4.2	3.5	5.0	5.4	5.8	8.1
107.5°	6.9	7.3	3.1	3.1	2.7	2.7	2.3	2.3	3.1	5.0	8.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	5.4	5.4	2.7	2.7	1.9	2.3	2.3	1.9	2.7	3.9	6.9
112.5°	3.1	3.5	1.5	2.3	1.5	1.9	1.9	1.5	2.3	2.7	3.9
115°	3.1	3.1	1.5	1.2	1.2	1.2	1.5	1.5	1.9	2.7	4.2
117.5°	3.1	3.1	1.5	1.2	0.8	1.2	1.2	1.2	1.9	2.7	4.2
120°	3.1	3.1	1.5	0.8	0.8	0.8	0.8	1.2	1.9	2.7	4.2
122.5°	3.5	3.1	1.5	0.8	0.8	0.8	0.8	1.2	1.9	2.7	3.9
125°	3.5	3.1	1.5	0.8	0.8	0.8	0.8	1.2	1.5	2.3	3.5
127.5°	3.5	3.1	1.5	0.8	0.8	0.8	0.8	1.2	1.5	2.3	3.1
130°	3.1	3.1	1.5	0.8	0.8	0.8	0.8	1.2	1.5	2.3	3.1
132.5°	3.1	2.7	1.5	0.8	0.8	0.8	0.8	1.2	1.5	1.9	2.7
135°	2.7	2.3	1.5	0.8	1.2	0.8	1.2	1.2	1.5	1.9	2.3
137.5°	2.3	2.3	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.9	1.9
140°	2.7	2.3	1.5	1.5	1.2	1.2	1.2	1.2	1.5	1.9	1.9
142.5°	3.1	2.7	1.9	1.5	1.5	1.2	1.2	1.5	1.5	1.9	1.9
145°	3.1	3.1	2.3	1.9	1.2	1.2	1.2	1.5	1.9	1.9	2.3
147.5°	3.5	3.1	2.3	1.9	1.2	0.8	1.2	1.2	1.9	2.3	2.3
150°	3.1	3.1	1.9	1.5	0.8	0.4	0.8	1.2	1.9	2.3	2.3
152.5°	2.3	2.3	1.5	0.8	0.4	0.4	0.8	1.2	1.5	1.9	2.3
155°	1.5	1.5	0.8	0.4	0.0	0.4	0.4	0.8	1.2	1.5	1.9
157.5°	0.8	0.8	0.4	0.0	0.0	0.4	0.4	0.8	1.2	1.5	1.5
160°	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.8	0.8	1.2	1.2
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	2.3	1.9	1.9	1.5	1.5	1.2	1.2	1.2	1.2	1.5	1.9
5°	2.3	2.3	1.9	1.9	1.9	1.5	1.5	2.3	2.7	3.1	3.1
7.5°	2.3	2.3	2.3	1.9	2.3	3.1	12.3	35.4	38.9	41.2	42.0
10°	4.2	3.9	3.5	3.1	5.8	39.3	48.5	52.8	54.7	56.6	56.6
12.5°	40.4	40.4	16.6	9.2	39.7	52.8	55.5	58.5	61.2	63.9	64.3
15°	87.8	86.6	83.6	76.6	66.2	59.7	62.4	92.4	108.6	115.9	114.8
17.5°	100.5	99.0	97.0	110.5	115.1	92.0	107.4	119.4	122.8	126.7	126.3
20°	186.4	184.5	143.6	128.6	125.9	154.4	122.8	125.5	131.7	167.9	169.1
22.5°	208.7	206.4	192.2	196.0	147.1	167.5	162.1	169.8	189.5	195.2	196.0
25°	244.5	235.3	218.0	204.9	208.3	174.8	201.8	189.1	196.4	203.3	204.5
27.5°	338.5	333.1	302.3	229.5	212.6	218.7	210.3	205.6	245.7	260.3	261.5
30°	364.7	359.3	320.8	265.7	224.1	224.1	211.8	256.5	258.4	266.1	268.0
32.5°	495.6	484.8	407.8	269.9	232.6	214.1	239.9	252.6	283.4	306.5	310.4
35°	526.0	516.8	420.9	308.5	224.9	223.0	226.4	266.1	288.8	302.7	305.8
37.5°	557.6	547.2	419.4	293.8	238.4	212.6	220.3	248.8	281.5	317.3	321.9
40°	600.7	588.0	421.3	275.0	223.3	201.0	206.8	238.8	261.1	283.4	287.3
42.5°	658.5	633.1	424.7	258.0	206.0	196.0	197.2	215.6	226.0	235.3	235.3
45°	736.3	695.1	425.9	240.3	188.7	184.5	186.0	194.5	198.3	192.5	189.8
47.5°	840.6	771.7	440.2	224.5	174.1	171.7	172.9	175.6	173.7	158.7	156.0
50°	962.3	861.8	447.9	210.6	163.3	162.9	161.0	161.0	154.0	137.1	135.9
52.5°	1096.7	969.3	454.4	193.7	155.6	157.5	157.5	149.4	139.0	125.5	124.4
55°	1267.3	1093.3	464.0	179.1	149.0	148.6	152.9	142.9	132.1	120.5	120.5
57.5°	1436.8	1224.6	475.6	166.4	141.7	142.5	148.6	140.6	134.8	130.2	129.8
60°	1606.2	1360.1	457.1	154.8	139.0	137.5	147.5	149.4	142.5	145.2	147.9
62.5°	1765.2	1446.8	382.8	144.8	134.0	136.3	157.5	169.4	167.1	164.4	165.2
65°	1840.3	1464.5	310.4	135.9	130.5	144.4	173.7	191.8	184.1	175.2	174.4
67.5°	1853.0	1418.7	228.4	130.5	128.6	158.7	186.4	196.8	185.2	181.8	178.7
70°	1763.7	1302.4	182.5	124.8	130.2	161.0	194.5	195.6	187.2	191.0	187.2
72.5°	1499.9	1084.8	159.8	119.4	130.5	155.2	194.5	196.0	186.4	197.5	195.6
75°	1074.0	760.5	142.1	114.8	126.3	148.6	191.8	195.6	184.1	196.4	193.3
76°	874.9	603.4	137.1	115.9	124.4	146.3	191.0	194.5	184.5	195.6	192.5
77.5°	578.0	394.3	128.6	115.1	120.9	145.2	189.1	192.9	184.1	193.3	190.2
80°	309.2	223.3	115.9	107.4	116.7	145.9	187.5	189.1	176.8	187.2	183.3
82.5°	203.7	166.4	100.1	97.4	112.4	147.1	186.8	184.5	170.6	187.2	176.8
85°	159.8	137.5	75.1	78.2	102.4	142.1	184.5	177.9	165.2	169.8	163.7
87.5°	135.6	113.2	45.1	55.8	89.7	120.9	163.7	147.1	139.8	144.4	141.7
90°	127.5	100.1	25.4	39.3	67.4	80.5	103.2	95.9	92.8	98.2	97.0
92.5°	128.6	97.8	25.0	37.4	72.0	86.6	106.7	98.2	89.0	89.0	87.8
95°	122.8	91.3	24.6	29.7	65.1	84.3	100.1	88.2	71.6	68.2	67.0
97.5°	53.5	44.3	23.1	22.7	37.4	58.1	72.8	63.2	47.4	37.0	37.0
100°	8.9	14.2	20.0	21.9	21.9	30.8	41.2	38.9	22.7	11.9	12.3
102.5°	9.2	8.1	13.9	18.1	14.2	12.7	18.9	23.5	15.0	4.6	5.0
105°	9.6	8.5	6.9	12.7	8.1	4.2	5.8	10.8	6.9	4.6	4.6
107.5°	10.4	8.9	4.2	4.6	3.5	3.5	3.1	2.7	3.5	4.6	5.0



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.1	7.3	3.9	3.5	3.1	3.5	2.3	2.3	2.7	4.6	5.0
112.5°	4.6	4.6	3.5	2.7	2.7	3.1	1.9	1.9	2.7	5.0	5.0
115°	4.6	4.6	3.1	2.3	1.9	2.3	1.9	1.5	2.7	5.0	5.4
117.5°	4.6	4.6	3.1	2.3	1.9	1.5	1.5	1.5	2.7	5.0	5.4
120°	4.6	4.2	2.7	1.9	1.9	1.2	1.2	1.2	2.3	5.0	5.4
122.5°	4.2	4.2	2.7	1.9	1.5	1.2	1.2	1.2	2.3	4.6	5.0
125°	3.9	3.9	2.7	1.9	1.5	1.2	0.8	1.2	2.3	4.2	4.6
127.5°	3.5	3.5	2.3	1.9	1.5	1.2	0.8	1.2	2.3	4.2	4.6
130°	3.1	3.1	2.3	1.5	1.5	0.8	0.8	0.8	2.3	3.9	4.2
132.5°	2.7	2.7	1.9	1.5	1.2	0.8	0.4	0.8	1.9	3.5	3.5
135°	2.3	2.3	1.9	1.5	1.2	0.8	0.4	0.8	1.5	2.7	3.1
137.5°	1.9	1.9	1.5	1.5	1.2	0.8	0.4	0.8	1.2	2.3	2.3
140°	1.9	1.9	1.5	1.5	1.2	0.8	0.4	0.8	1.2	1.9	2.3
142.5°	1.9	1.9	1.5	1.5	1.2	0.8	0.4	0.8	1.2	1.9	2.3
145°	2.3	1.9	1.9	1.5	1.2	0.8	0.4	0.8	1.5	2.3	2.3
147.5°	2.3	2.3	1.9	1.5	1.2	0.8	0.4	0.8	1.5	2.3	2.3
150°	2.3	2.3	1.9	1.5	1.2	0.4	0.0	0.4	1.2	1.9	2.3
152.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.8	1.5	1.5
155°	1.9	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.4	0.8	0.8
157.5°	1.5	1.5	1.2	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4
160°	1.2	1.2	0.8	0.8	0.4	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)