

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: P415037

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4415.1 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

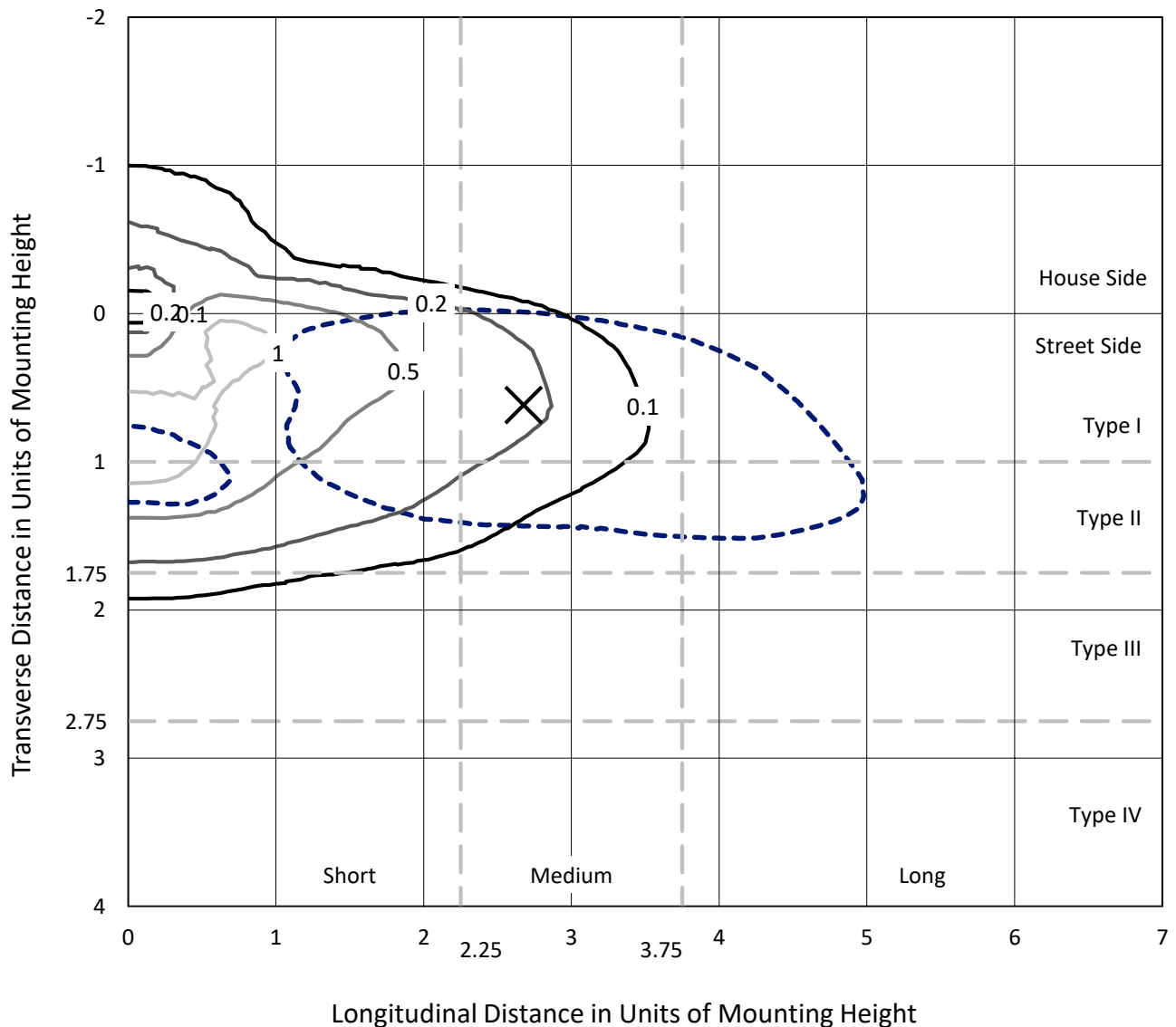
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

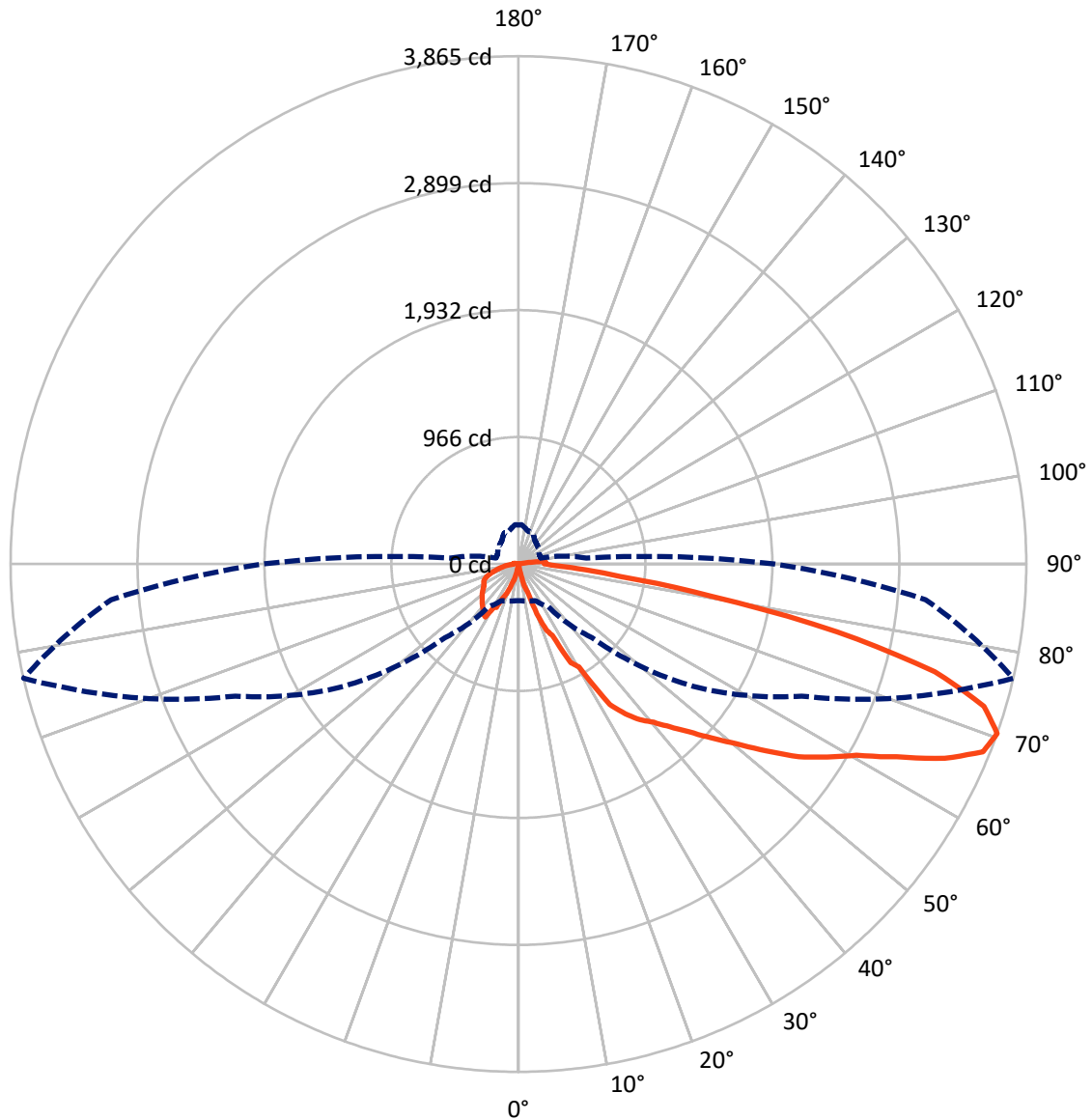


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	746.7	32.8	779.5
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	3594.7	40.8	3635.5
	% Fixture	81.4	0.9	82.3
Total	Lumens	4341.5	73.6	4415.1
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	52.5	1.2
20°-30°	208.1	4.7
30°-40°	502.5	11.4
40°-50°	812.7	18.4
50°-60°	972.0	22.0
60°-70°	950.6	21.5
70°-80°	657.1	14.9
80°-90°	182.4	4.1
90°-100°	48.0	1.1
100°-110°	9.8	0.2
110°-120°	5.2	0.1
120°-130°	4.2	0.1
130°-140°	2.9	0.1
140°-150°	2.4	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4341.5	98.3
0°-180°	4415.1	100.0



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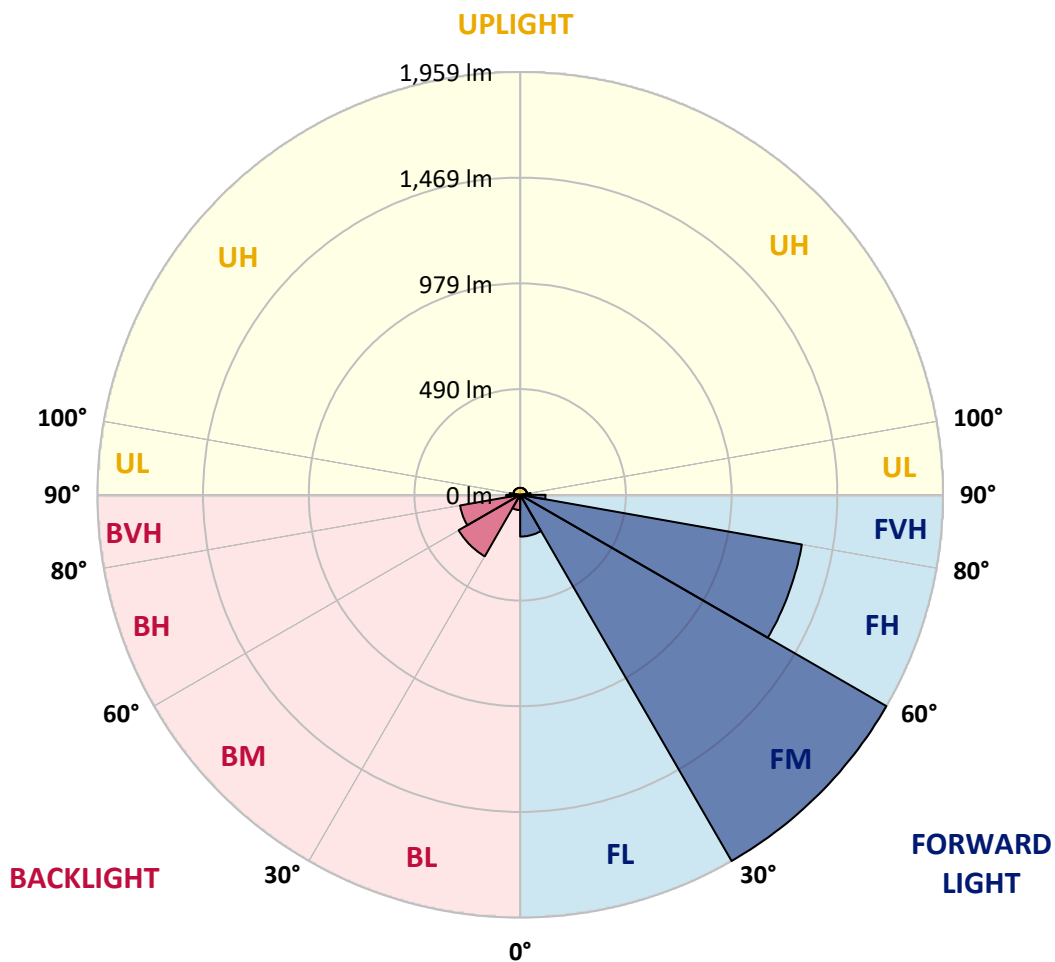
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.4	4.4			
FM	(30°-60°)	1958.8	44.4			
FH	(60°-80°)	1325.0	30.0			G1/1800
FVH	(80°-90°)	117.5	2.7			G2/225
BL	(0°-30°)	70.7	1.6	B0/110		
BM	(30°-60°)	328.5	7.4	B1/1000		
BH	(60°-80°)	282.7	6.4	B1/500		G1/500
BVH	(80°-90°)	64.9	1.5			G1/100
UL	(90°-100°)	48.0	1.1		U2/50	
UH	(100°-180°)	32.8	0.7		U2/50	

BUG Rating: B1-U2-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	5.5	5.0	5.0	5.5	6.5	6.0	4.5	3.5	3.0	3.0	3.0
5°	108.2	104.7	102.2	72.3	16.0	9.5	6.0	4.5	3.5	3.5	3.0
7.5°	129.1	127.2	126.2	122.7	118.7	110.7	19.9	6.5	4.0	4.0	3.5
10°	146.1	144.6	142.6	140.6	135.1	129.6	118.7	16.5	6.5	6.5	5.5
12.5°	297.7	293.2	289.2	205.4	152.6	146.6	136.1	93.2	70.8	68.3	82.3
15°	305.7	305.7	305.7	308.2	303.7	163.6	222.9	279.2	184.5	178.5	184.5
17.5°	325.6	322.6	317.6	319.1	325.1	361.0	332.6	310.6	245.8	218.4	212.4
20°	487.2	484.7	486.2	450.8	346.6	454.8	451.8	350.0	399.4	404.9	394.4
22.5°	520.1	519.6	518.1	516.1	592.4	482.7	519.6	550.5	558.0	547.0	453.8
25°	738.0	732.5	666.2	561.5	634.8	580.9	693.1	610.3	621.3	601.9	574.9
27.5°	843.2	831.7	820.3	788.8	681.6	776.4	737.5	804.8	902.0	850.2	731.5
30°	1112.5	1118.9	933.4	923.0	843.2	823.2	903.0	945.9	946.9	909.0	821.2
32.5°	1369.7	1352.3	1308.9	1122.4	1004.2	922.0	1047.1	1007.2	1239.1	1275.0	1113.4
35°	1622.1	1588.1	1461.0	1334.3	1171.8	1136.4	1121.9	1261.0	1348.8	1400.2	1204.7
37.5°	1981.6	1957.1	1835.5	1504.4	1350.8	1223.1	1315.4	1342.3	1481.9	1503.9	1329.4
40°	2113.7	2097.3	1996.0	1736.2	1490.9	1365.3	1402.2	1440.1	1614.1	1583.7	1423.1
42.5°	2208.4	2202.5	2121.7	1857.4	1673.4	1506.4	1502.4	1521.8	1749.7	1693.9	1516.8
45°	2281.2	2272.8	2224.9	1935.2	1759.7	1593.6	1610.6	1622.6	1868.9	1820.0	1624.0
47.5°	2267.3	2270.8	2277.3	2031.9	1811.0	1678.9	1721.3	1709.3	1966.1	1977.6	1744.2
50°	2160.1	2167.1	2214.9	2070.8	1840.5	1748.7	1817.0	1806.1	2101.7	2149.6	1882.8
52.5°	1841.5	1852.9	2030.4	2010.5	1866.4	1803.6	1915.3	1917.7	2260.3	2362.0	2059.9
55°	1348.3	1391.7	1607.6	1810.5	1838.0	1821.0	1981.1	2059.4	2442.8	2589.4	2217.9
57.5°	1084.5	1075.6	1224.6	1520.3	1697.3	1799.6	2050.4	2185.5	2609.3	2771.9	2376.0
60°	841.7	844.7	954.9	1166.8	1451.0	1746.7	2121.2	2299.2	2814.3	2955.4	2569.5
62.5°	626.8	632.8	712.5	839.2	1169.8	1599.1	2143.1	2441.3	3099.0	3232.6	2803.3
65°	455.3	465.2	508.6	586.4	845.2	1377.7	2076.3	2547.5	3414.6	3566.7	3053.1
67.5°	342.1	347.5	373.0	420.3	603.8	1093.5	1911.3	2541.0	3573.2	3812.6	3160.3
70°	278.2	280.7	290.2	307.2	396.4	792.8	1621.6	2377.5	3607.1	3864.9	3110.5
72.5°	236.4	235.4	235.9	238.3	273.7	542.0	1252.6	2071.3	3477.5	3705.8	2885.6
75°	201.9	200.5	200.5	198.0	211.4	380.5	862.6	1671.9	3132.9	3274.5	2430.8
77.5°	172.0	169.5	169.0	164.1	170.0	283.2	571.4	1245.1	2478.7	2481.2	1723.3
80°	146.6	142.1	140.1	136.6	143.6	215.9	373.0	812.3	1516.3	1491.9	956.4
82.5°	108.2	108.2	111.2	112.2	123.7	160.1	263.3	483.2	827.7	783.4	554.5
85°	62.3	67.8	80.3	81.8	94.7	106.2	198.0	286.2	463.2	446.8	284.2
87.5°	22.9	21.9	33.4	35.4	39.9	39.9	107.7	157.1	242.8	252.8	223.9
90°	18.9	18.9	13.0	12.0	15.5	25.9	72.8	110.2	182.5	196.0	211.4
92.5°	19.9	19.9	13.0	11.5	14.5	22.9	61.3	104.2	191.5	209.9	218.4
95°	18.9	19.4	11.5	10.5	13.5	19.4	45.9	89.3	184.0	201.4	213.4
97.5°	16.5	17.0	9.5	9.0	12.0	14.0	24.9	44.4	91.7	95.2	98.7
100°	13.5	13.5	7.0	7.5	9.5	9.5	13.0	23.4	22.4	18.4	16.0
102.5°	11.5	12.5	6.5	6.0	7.0	6.0	6.0	9.0	13.5	11.5	15.5
105°	9.5	10.5	5.5	5.0	5.5	5.0	4.0	6.5	10.0	11.5	16.5
107.5°	6.5	7.0	4.0	4.5	4.5	4.5	3.0	5.0	9.5	11.0	17.0
110°	4.5	4.5	3.0	4.0	4.0	4.5	3.0	5.0	7.5	8.5	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.0	3.0	2.5	3.0	3.5	3.5	3.0	4.5	6.5	7.0	9.5
115°	2.5	2.5	2.0	2.5	3.0	3.0	2.5	4.0	6.5	7.5	10.0
117.5°	3.0	2.5	2.0	2.5	3.0	2.5	2.5	3.5	6.5	7.5	10.0
120°	3.0	3.0	2.5	2.5	2.5	2.5	2.5	3.5	6.5	7.5	10.0
122.5°	3.5	3.0	2.5	2.5	2.5	2.5	2.5	3.0	6.0	7.0	9.5
125°	3.5	3.5	2.5	2.5	3.0	2.5	2.5	3.0	6.0	6.5	9.0
127.5°	4.0	3.5	3.0	2.5	3.0	2.5	2.5	3.0	5.5	6.0	8.0
130°	4.0	4.0	3.0	2.5	3.0	2.5	2.5	2.5	4.5	5.0	7.0
132.5°	4.0	4.0	3.5	3.0	3.5	3.0	2.5	2.5	3.5	4.0	5.5
135°	4.5	4.0	4.0	3.5	4.0	3.5	2.5	2.5	2.5	3.0	4.0
137.5°	4.5	4.5	4.5	4.0	4.5	3.5	2.5	2.5	2.5	2.5	3.0
140°	5.5	5.5	5.0	4.5	5.0	4.0	3.0	2.5	2.5	2.5	3.0
142.5°	6.5	6.5	6.0	5.5	5.0	4.0	3.5	3.0	3.0	3.0	3.0
145°	7.5	7.0	7.0	6.0	5.0	4.0	3.5	3.5	3.5	3.5	3.5
147.5°	7.5	7.5	7.0	5.5	4.5	3.0	3.0	4.0	4.0	4.0	4.0
150°	7.0	7.0	6.0	5.0	3.5	2.5	2.5	3.5	4.0	4.0	4.0
152.5°	5.5	5.0	4.5	3.0	2.5	1.5	2.0	2.5	3.0	3.0	3.5
155°	3.5	3.0	2.5	2.0	2.0	1.5	1.5	2.0	2.0	2.0	2.5
157.5°	1.5	1.5	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.5	0.5	0.5	0.5	1.5	1.5	1.5	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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.5	4.0	4.0	4.0
5°	3.0	3.0	3.0	3.5	3.5	3.0	3.5	4.5	5.0	5.0	5.0
7.5°	3.5	3.0	3.5	4.0	4.0	4.0	17.5	50.4	55.8	56.8	57.8
10°	5.0	5.0	5.0	5.5	6.0	52.4	61.8	64.8	66.8	68.3	68.8
12.5°	75.8	66.3	41.4	11.0	52.9	64.8	68.3	73.3	75.8	78.8	77.8
15°	170.0	150.6	113.2	96.7	94.7	72.3	75.8	126.2	140.1	142.6	142.1
17.5°	192.5	165.5	126.2	134.6	140.1	108.7	127.7	141.1	143.6	146.1	145.6
20°	358.0	285.2	171.0	148.1	146.6	183.5	136.1	140.6	145.6	171.5	174.5
22.5°	397.4	328.1	223.9	216.9	177.0	186.5	177.5	180.0	195.5	195.5	194.5
25°	497.6	396.9	252.8	221.4	224.9	185.5	208.4	180.0	183.0	183.0	183.5
27.5°	647.2	510.1	335.6	246.8	222.4	224.4	198.0	182.5	208.9	211.9	213.4
30°	692.6	529.5	332.1	275.7	232.4	217.9	185.0	204.4	197.0	197.0	195.5
32.5°	967.8	722.5	413.4	269.8	238.3	202.4	204.9	192.5	189.0	204.4	204.4
35°	1022.2	744.0	398.9	303.7	228.9	210.9	195.0	198.0	191.5	190.5	189.0
37.5°	1084.5	758.9	366.5	285.2	241.8	202.4	201.4	194.0	185.5	197.5	199.5
40°	1143.9	773.4	340.6	263.3	223.4	201.4	197.5	193.5	175.5	175.5	175.0
42.5°	1210.7	782.9	317.1	245.8	205.4	201.9	191.0	178.5	166.5	170.0	169.0
45°	1280.0	788.8	293.2	226.4	189.5	208.9	191.5	186.0	176.5	178.0	176.5
47.5°	1365.3	798.8	272.3	207.4	179.5	191.5	181.0	178.5	184.0	179.0	182.0
50°	1456.0	804.3	252.8	191.0	169.5	186.0	187.5	180.0	184.0	175.5	175.0
52.5°	1564.7	809.3	231.9	180.0	168.0	185.0	196.5	188.5	181.5	170.5	169.5
55°	1660.4	793.3	213.9	173.0	178.0	183.0	203.9	194.5	180.0	167.5	168.0
57.5°	1764.7	772.9	199.5	170.0	176.0	179.5	214.4	202.9	186.5	187.0	187.5
60°	1872.4	753.4	190.5	169.5	173.5	181.0	215.9	214.4	195.0	199.5	202.9
62.5°	2001.0	738.0	189.0	173.0	182.5	189.0	217.4	232.9	215.9	217.9	218.9
65°	2101.7	693.1	187.5	175.0	186.0	190.5	217.9	245.8	238.3	249.8	248.8
67.5°	2070.8	610.3	185.0	177.0	188.5	198.5	217.4	255.3	254.3	280.7	278.2
70°	1944.7	518.6	177.0	174.5	189.5	202.4	217.9	257.8	262.3	299.7	297.2
72.5°	1732.3	418.4	162.6	167.5	190.0	207.4	224.4	258.3	263.3	316.1	308.7
75°	1449.5	338.1	141.1	151.6	196.0	210.4	225.9	253.3	253.3	303.2	293.7
77.5°	1043.1	260.3	121.7	137.6	194.0	208.4	221.4	241.8	238.3	262.3	253.3
80°	607.8	192.0	103.7	135.1	182.0	204.4	208.9	213.4	197.0	202.4	197.0
82.5°	365.0	142.1	89.8	121.2	160.1	184.0	187.5	180.0	158.1	157.6	150.1
85°	218.9	97.2	65.8	93.7	126.2	153.6	157.6	136.6	116.2	128.1	114.7
87.5°	161.6	61.3	45.4	58.3	76.8	71.8	93.7	88.3	75.3	72.3	71.3
90°	145.6	46.9	37.4	47.4	51.9	44.4	47.9	47.9	38.9	38.4	36.4
92.5°	144.1	43.9	39.9	46.4	41.9	35.4	38.9	38.4	30.9	29.4	27.9
95°	134.6	39.4	39.9	41.9	36.9	28.9	31.4	29.4	21.9	20.4	18.9
97.5°	63.3	27.4	37.9	36.4	30.4	22.4	25.9	22.4	15.5	13.5	13.5
100°	15.0	23.4	32.4	32.9	24.4	17.0	18.0	14.5	10.0	8.5	8.5
102.5°	15.0	10.5	19.9	25.9	15.0	7.0	10.0	9.5	7.5	7.5	8.0
105°	15.0	10.0	10.0	17.0	9.0	4.5	4.5	6.0	6.5	8.5	9.5
107.5°	15.5	10.5	8.0	8.0	6.5	4.5	4.0	4.5	6.5	10.0	10.5
110°	13.0	9.5	7.5	7.0	6.5	4.5	3.5	4.5	6.5	11.0	12.0



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.5	8.5	6.5	6.5	5.5	4.5	3.5	4.0	7.0	12.0	13.0
115°	9.5	8.0	6.0	5.5	4.5	4.0	3.5	4.0	7.5	13.0	14.0
117.5°	10.0	8.0	5.5	5.0	4.0	3.0	3.0	4.0	7.5	13.5	14.5
120°	10.0	8.0	5.5	5.0	4.0	3.0	3.0	4.5	8.0	13.0	14.0
122.5°	9.5	8.0	5.5	5.0	4.0	2.5	3.0	4.0	7.5	12.5	13.5
125°	8.5	7.5	5.5	4.5	4.0	2.5	3.0	4.0	7.5	12.0	12.5
127.5°	8.0	7.0	5.0	4.5	3.5	2.5	3.0	4.0	7.0	11.0	11.5
130°	7.0	6.5	4.5	4.0	3.5	2.5	3.0	4.0	7.0	10.0	10.5
132.5°	5.5	5.0	4.0	3.5	3.5	2.5	3.0	3.5	5.5	8.5	9.0
135°	4.0	4.0	3.5	3.5	3.5	2.5	3.0	3.0	4.5	6.5	7.0
137.5°	3.0	3.0	3.0	3.5	3.0	2.5	2.5	3.0	4.0	5.0	5.5
140°	3.0	3.0	3.0	3.5	3.0	2.5	2.5	3.0	3.5	4.0	4.5
142.5°	3.0	3.0	3.0	3.5	3.0	2.0	2.5	3.0	3.5	4.0	4.0
145°	3.5	3.5	3.5	3.5	3.0	2.0	2.0	3.0	3.5	4.0	4.0
147.5°	4.0	4.0	3.5	3.5	3.0	1.5	1.5	3.0	3.5	4.0	4.0
150°	4.0	4.0	3.5	3.5	2.5	1.5	1.5	2.5	3.5	3.5	3.5
152.5°	3.0	3.0	3.0	3.0	2.5	1.0	1.0	2.0	3.0	3.0	3.0
155°	2.5	2.5	2.5	2.5	2.0	1.0	0.5	1.5	2.5	2.5	2.5
157.5°	1.5	2.0	2.0	2.5	2.0	1.0	0.5	1.0	2.0	2.0	2.0
160°	1.0	1.5	1.5	2.0	2.0	1.0	0.5	1.0	1.5	1.5	1.5
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)