

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: P695071

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4037 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

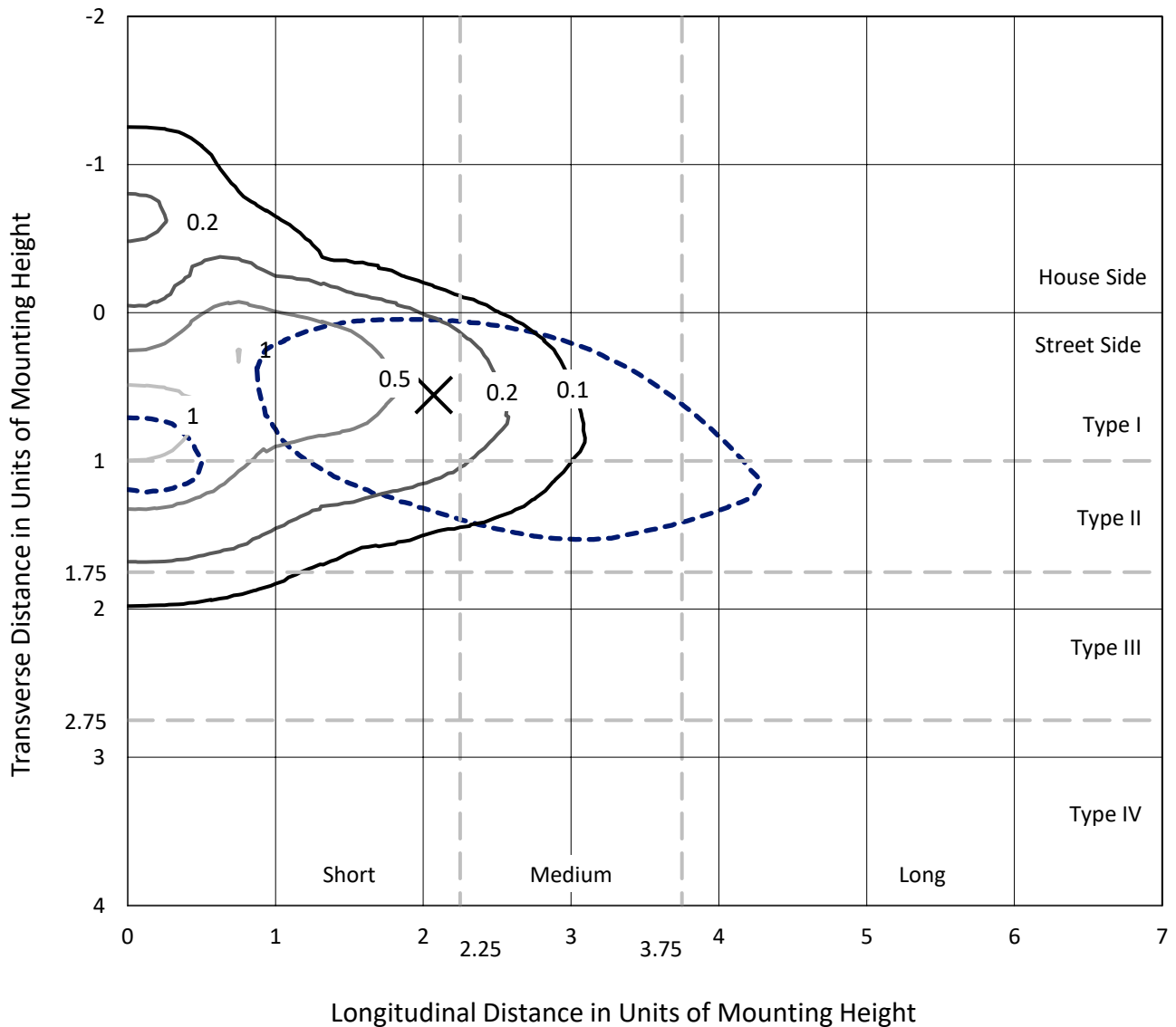
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

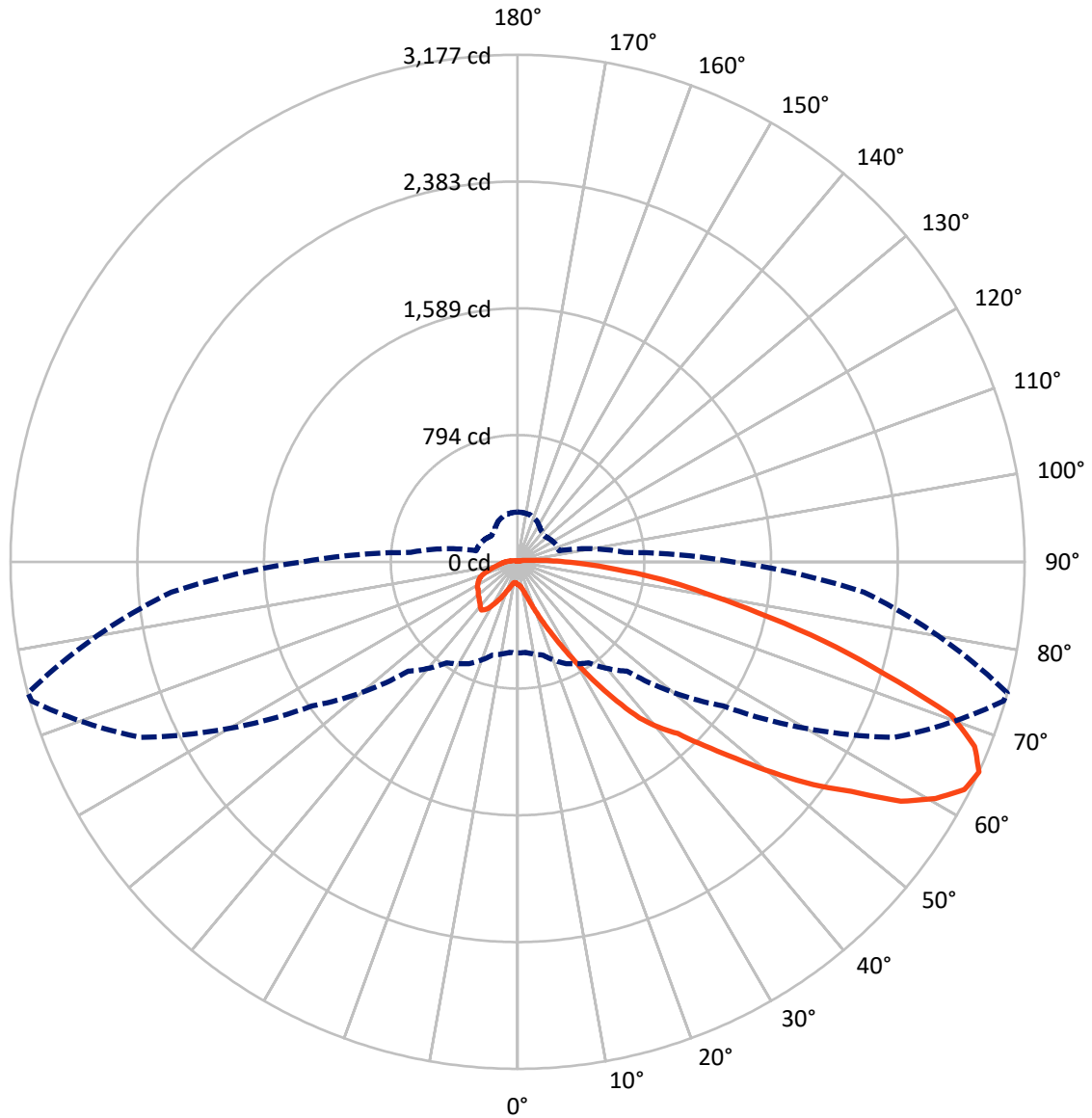
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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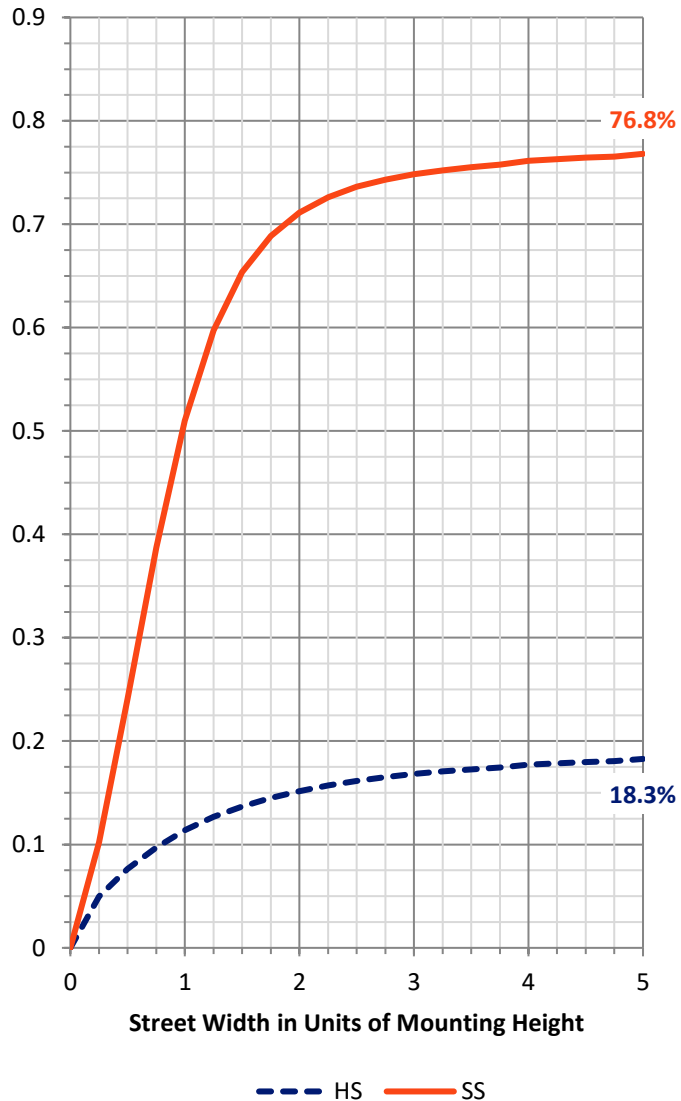
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	772.9	61.4	834.3
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	3141.1	61.6	3202.7
	% Fixture	77.8	1.5	79.3
Total	Lumens	3914.0	123.0	4037.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.4
10°-20°	61.6	1.5
20°-30°	192.4	4.8
30°-40°	457.4	11.3
40°-50°	708.1	17.5
50°-60°	883.5	21.9
60°-70°	864.5	21.4
70°-80°	525.8	13.0
80°-90°	206.5	5.1
90°-100°	64.4	1.6
100°-110°	25.8	0.6
110°-120°	14.2	0.4
120°-130°	9.3	0.2
130°-140°	6.3	0.2
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3914.0	97.0
0°-180°	4037.0	100.0

Coefficient of Utilization

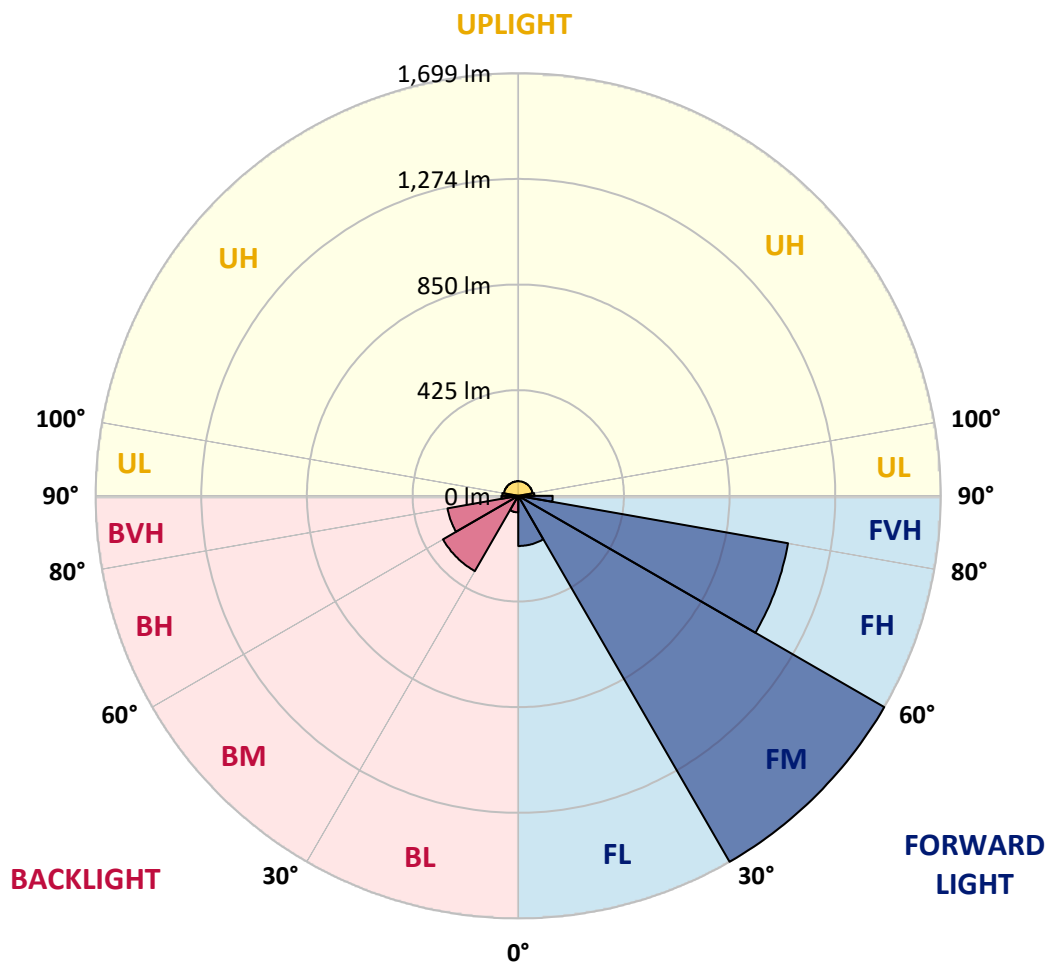


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.8	5.0			
FM (30°-60°)	1699.3	42.1			
FH (60°-80°)	1101.5	27.3			G1/1800
FVH (80°-90°)	138.6	3.4			G2/225
BL (0°-30°)	66.5	1.6	B0/110		
BM (30°-60°)	349.7	8.7	B1/1000		
BH (60°-80°)	288.8	7.2	B1/500		G1/500
BVH (80°-90°)	67.9	1.7			G1/100
UL (90°-100°)	64.4	1.6		U3/500	
UH (100°-180°)	58.6	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	156.7	158.2	156.7	155.2	153.7	152.2	149.2	147.7	144.8	144.8	141.8
5°	182.1	182.1	182.1	177.6	174.6	171.6	164.2	158.2	152.2	150.7	146.2
7.5°	213.4	210.4	208.9	204.4	198.5	192.5	182.1	171.6	162.7	161.2	152.2
10°	250.7	249.2	247.7	241.8	231.3	220.9	205.9	192.5	177.6	176.1	161.2
12.5°	301.5	300.0	294.0	286.5	271.6	255.2	237.3	220.9	201.5	200.0	179.1
15°	356.7	358.2	353.7	338.8	323.8	301.5	280.6	261.2	240.3	234.3	207.4
17.5°	440.2	438.7	428.3	402.9	385.0	361.1	334.3	308.9	283.5	279.1	244.7
20°	531.3	534.3	519.3	483.5	455.2	426.8	404.4	367.1	341.7	338.8	291.0
22.5°	647.7	655.1	623.8	588.0	540.2	507.4	485.0	449.2	413.4	413.4	352.2
25°	799.9	802.9	761.1	702.9	643.2	592.5	573.1	550.7	508.9	502.9	431.3
27.5°	956.6	965.5	916.3	840.2	750.6	689.5	677.5	665.6	614.8	613.3	513.4
30°	1199.8	1195.4	1111.8	1002.8	873.0	792.4	785.0	798.4	750.6	744.7	620.8
32.5°	1420.7	1413.2	1323.7	1180.4	1002.8	907.3	895.4	940.2	907.3	905.8	743.2
35°	1602.8	1592.3	1511.7	1350.6	1143.1	1013.3	1020.8	1095.4	1079.0	1071.5	855.1
37.5°	1687.8	1705.7	1637.1	1480.4	1264.0	1122.2	1156.6	1267.0	1252.1	1241.6	977.5
40°	1746.0	1769.9	1698.3	1550.5	1347.6	1219.2	1274.4	1408.8	1377.4	1364.0	1029.7
42.5°	1766.9	1786.3	1738.6	1590.8	1398.3	1292.4	1365.5	1513.2	1493.8	1471.4	1104.3
45°	1753.5	1777.4	1740.1	1608.7	1423.7	1337.1	1432.6	1646.0	1661.0	1643.1	1210.3
47.5°	1701.3	1728.1	1714.7	1608.7	1431.1	1359.5	1513.2	1814.7	1849.0	1840.0	1326.7
50°	1561.0	1590.8	1614.7	1577.4	1423.7	1367.0	1602.8	1981.8	2083.3	2077.3	1487.9
52.5°	1447.6	1471.4	1480.4	1478.9	1395.3	1377.4	1687.8	2199.7	2328.0	2319.1	1632.6
55°	1295.3	1310.3	1353.5	1343.1	1301.3	1362.5	1752.0	2359.4	2548.9	2538.5	1798.3
57.5°	1032.7	1058.1	1138.6	1223.7	1184.9	1313.3	1780.3	2504.1	2844.4	2830.9	1989.3
60°	879.0	886.4	932.7	1013.3	1067.0	1214.8	1769.9	2653.4	3022.0	3010.0	2075.8
62.5°	716.3	720.8	779.0	847.6	923.8	1105.8	1708.7	2662.3	3136.9	3142.8	2160.9
65°	571.6	570.1	604.4	702.9	773.0	970.0	1575.9	2602.6	3166.7	3177.2	2177.3
67.5°	435.8	449.2	494.0	544.7	640.2	813.3	1386.4	2445.9	3086.1	3089.1	2110.2
70°	300.0	305.9	347.7	428.3	499.9	674.5	1177.4	2204.2	2883.2	2883.2	1919.1
72.5°	216.4	223.8	244.7	297.0	386.5	528.3	973.0	1892.3	2429.5	2405.6	1607.2
75°	161.2	162.7	182.1	213.4	273.1	411.9	756.6	1487.9	1972.9	1980.3	1320.7
77.5°	125.4	126.8	135.8	158.2	200.0	300.0	562.6	1147.6	1537.1	1540.1	1019.3
80°	104.5	106.0	110.4	122.4	149.2	214.9	413.4	864.1	1187.9	1189.4	793.9
82.5°	86.6	88.0	92.5	100.0	116.4	159.7	297.0	661.1	899.9	911.8	595.4
85°	73.1	74.6	77.6	83.6	95.5	123.9	214.9	474.6	634.2	629.8	411.9
87.5°	59.7	59.7	64.2	68.6	77.6	100.0	158.2	325.3	429.8	425.3	286.5
90°	44.8	46.3	49.2	55.2	64.2	79.1	114.9	213.4	267.1	267.1	182.1
92.5°	32.8	32.8	37.3	43.3	50.7	64.2	83.6	135.8	159.7	161.2	117.9
95°	23.9	23.9	26.9	29.8	38.8	50.7	61.2	83.6	98.5	95.5	80.6
97.5°	19.4	19.4	20.9	23.9	29.8	40.3	47.8	59.7	65.7	65.7	59.7
100°	16.4	16.4	17.9	17.9	23.9	32.8	38.8	43.3	47.8	49.2	47.8
102.5°	13.4	14.9	14.9	14.9	19.4	28.4	31.3	34.3	37.3	37.3	37.3
105°	11.9	11.9	13.4	13.4	16.4	23.9	26.9	28.4	29.8	29.8	29.8
107.5°	10.4	10.4	11.9	11.9	14.9	20.9	22.4	22.4	23.9	23.9	23.9
110°	10.4	10.4	10.4	10.4	13.4	17.9	17.9	17.9	17.9	17.9	19.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.0	9.0	10.4	10.4	11.9	16.4	16.4	14.9	14.9	14.9	17.9
115°	9.0	9.0	9.0	10.4	11.9	13.4	13.4	13.4	13.4	13.4	14.9
117.5°	9.0	9.0	9.0	10.4	10.4	13.4	11.9	11.9	11.9	11.9	13.4
120°	9.0	9.0	9.0	9.0	10.4	11.9	11.9	10.4	10.4	10.4	11.9
122.5°	9.0	9.0	9.0	9.0	10.4	10.4	10.4	9.0	9.0	9.0	11.9
125°	9.0	9.0	10.4	10.4	10.4	10.4	10.4	9.0	9.0	9.0	10.4
127.5°	10.4	10.4	10.4	10.4	9.0	10.4	9.0	9.0	9.0	9.0	10.4
130°	11.9	11.9	11.9	10.4	9.0	9.0	9.0	9.0	9.0	9.0	10.4
132.5°	11.9	11.9	11.9	10.4	9.0	9.0	7.5	7.5	9.0	9.0	9.0
135°	11.9	11.9	10.4	9.0	9.0	7.5	7.5	7.5	7.5	7.5	9.0
137.5°	10.4	10.4	10.4	9.0	7.5	7.5	6.0	6.0	7.5	7.5	7.5
140°	9.0	9.0	9.0	7.5	6.0	6.0	4.5	4.5	6.0	6.0	6.0
142.5°	7.5	7.5	7.5	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0
145°	6.0	6.0	6.0	4.5	4.5	4.5	3.0	3.0	4.5	4.5	4.5
147.5°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	4.5	4.5	4.5	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	141.8	140.3	137.3	135.8	132.8	131.3	129.8	128.3	129.8	128.3	128.3
5°	143.3	140.3	134.3	128.3	123.9	120.9	117.9	114.9	114.9	113.4	111.9
7.5°	146.2	141.8	131.3	123.9	114.9	108.9	104.5	101.5	100.0	98.5	98.5
10°	153.7	146.2	132.8	119.4	108.9	100.0	94.0	91.0	88.0	88.0	88.0
12.5°	168.6	159.7	138.8	119.4	104.5	94.0	86.6	83.6	83.6	83.6	83.6
15°	194.0	179.1	152.2	126.8	106.0	91.0	86.6	88.0	91.0	94.0	92.5
17.5°	225.3	207.4	170.1	137.3	111.9	98.5	95.5	100.0	104.5	107.4	108.9
20°	264.1	237.3	189.5	147.7	122.4	113.4	110.4	114.9	120.9	125.4	125.4
22.5°	314.9	279.1	214.9	162.7	137.3	128.3	125.4	129.8	137.3	141.8	141.8
25°	379.1	329.8	246.2	182.1	153.7	140.3	140.3	146.2	156.7	162.7	164.2
27.5°	450.7	383.5	274.6	205.9	171.6	153.7	155.2	167.1	179.1	188.0	188.0
30°	528.3	447.7	307.4	226.8	185.0	167.1	168.6	183.6	200.0	211.9	210.4
32.5°	620.8	514.9	341.7	247.7	198.5	177.6	182.1	204.4	223.8	238.8	237.3
35°	714.8	573.1	364.1	267.1	210.4	186.5	194.0	222.4	244.7	258.2	258.2
37.5°	788.0	620.8	377.6	277.6	220.9	194.0	203.0	234.3	258.2	270.1	268.6
40°	813.3	620.8	367.1	279.1	225.3	200.0	210.4	240.3	261.2	268.6	264.1
42.5°	852.1	632.7	352.2	270.1	226.8	204.4	213.4	240.3	253.7	255.2	252.2
45°	907.3	652.1	341.7	264.1	223.8	205.9	213.4	235.8	252.2	256.7	253.7
47.5°	977.5	671.5	329.8	261.2	223.8	205.9	213.4	240.3	256.7	256.7	253.7
50°	1067.0	702.9	323.8	262.7	228.3	207.4	217.9	246.2	261.2	258.2	256.7
52.5°	1135.7	710.3	313.4	267.1	232.8	210.4	222.4	252.2	265.6	259.7	258.2
55°	1225.2	728.3	301.5	267.1	240.3	217.9	228.3	258.2	268.6	261.2	259.7
57.5°	1317.7	747.7	300.0	265.6	243.2	223.8	234.3	262.7	271.6	265.6	264.1
60°	1343.1	725.3	291.0	270.1	244.7	229.8	238.8	267.1	280.6	277.6	277.6
62.5°	1364.0	707.4	280.6	268.6	249.2	229.8	243.2	274.6	295.5	295.5	295.5
65°	1349.1	673.0	268.6	262.7	247.7	231.3	249.2	283.5	304.4	310.4	311.9
67.5°	1286.4	625.3	256.7	253.7	240.3	231.3	250.7	283.5	308.9	317.9	317.9
70°	1152.1	546.2	235.8	235.8	229.8	222.4	246.2	279.1	300.0	310.4	310.4
72.5°	965.5	452.2	204.4	211.9	210.4	208.9	234.3	264.1	277.6	286.5	285.0
75°	768.5	364.1	177.6	180.6	183.6	188.0	214.9	238.8	243.2	250.7	249.2
77.5°	602.9	291.0	150.7	153.7	156.7	167.1	192.5	207.4	210.4	214.9	213.4
80°	471.6	238.8	129.8	129.8	134.3	144.8	165.6	179.1	185.0	188.0	183.6
82.5°	367.1	195.5	114.9	110.4	114.9	123.9	140.3	152.2	156.7	156.7	155.2
85°	261.2	156.7	101.5	95.5	97.0	106.0	120.9	128.3	131.3	129.8	126.8
87.5°	191.0	128.3	89.5	80.6	82.1	94.0	104.5	108.9	110.4	111.9	108.9
90°	134.3	103.0	77.6	67.2	67.2	79.1	89.5	91.0	92.5	92.5	91.0
92.5°	95.5	80.6	64.2	55.2	55.2	65.7	73.1	71.6	73.1	71.6	68.6
95°	70.1	62.7	53.7	44.8	43.3	50.7	53.7	52.2	53.7	52.2	52.2
97.5°	55.2	50.7	44.8	37.3	34.3	38.8	40.3	40.3	43.3	40.3	40.3
100°	44.8	41.8	38.8	31.3	28.4	31.3	32.8	34.3	35.8	34.3	34.3
102.5°	37.3	35.8	32.8	28.4	25.4	26.9	28.4	29.8	31.3	31.3	29.8
105°	29.8	29.8	28.4	23.9	22.4	22.4	23.9	25.4	28.4	28.4	28.4
107.5°	23.9	25.4	23.9	20.9	19.4	19.4	20.9	22.4	23.9	25.4	25.4
110°	20.9	20.9	20.9	17.9	17.9	17.9	17.9	19.4	22.4	23.9	23.9

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 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.9	17.9	17.9	16.4	16.4	16.4	16.4	16.4	19.4	20.9	22.4
115°	16.4	16.4	16.4	14.9	14.9	14.9	14.9	14.9	17.9	19.4	19.4
117.5°	14.9	14.9	14.9	13.4	13.4	13.4	13.4	13.4	14.9	17.9	17.9
120°	13.4	13.4	13.4	11.9	11.9	11.9	11.9	11.9	13.4	16.4	16.4
122.5°	11.9	11.9	11.9	11.9	10.4	10.4	10.4	10.4	11.9	14.9	14.9
125°	10.4	11.9	10.4	10.4	10.4	10.4	9.0	10.4	11.9	13.4	13.4
127.5°	10.4	10.4	10.4	10.4	9.0	9.0	9.0	9.0	10.4	11.9	11.9
130°	10.4	10.4	10.4	9.0	9.0	7.5	7.5	9.0	9.0	10.4	10.4
132.5°	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5	9.0	9.0	9.0
135°	9.0	9.0	7.5	7.5	7.5	6.0	6.0	6.0	7.5	9.0	9.0
137.5°	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0	7.5	7.5	7.5
140°	6.0	6.0	6.0	6.0	6.0	4.5	4.5	4.5	6.0	6.0	6.0
142.5°	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
145°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)