

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: P695073

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3954 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

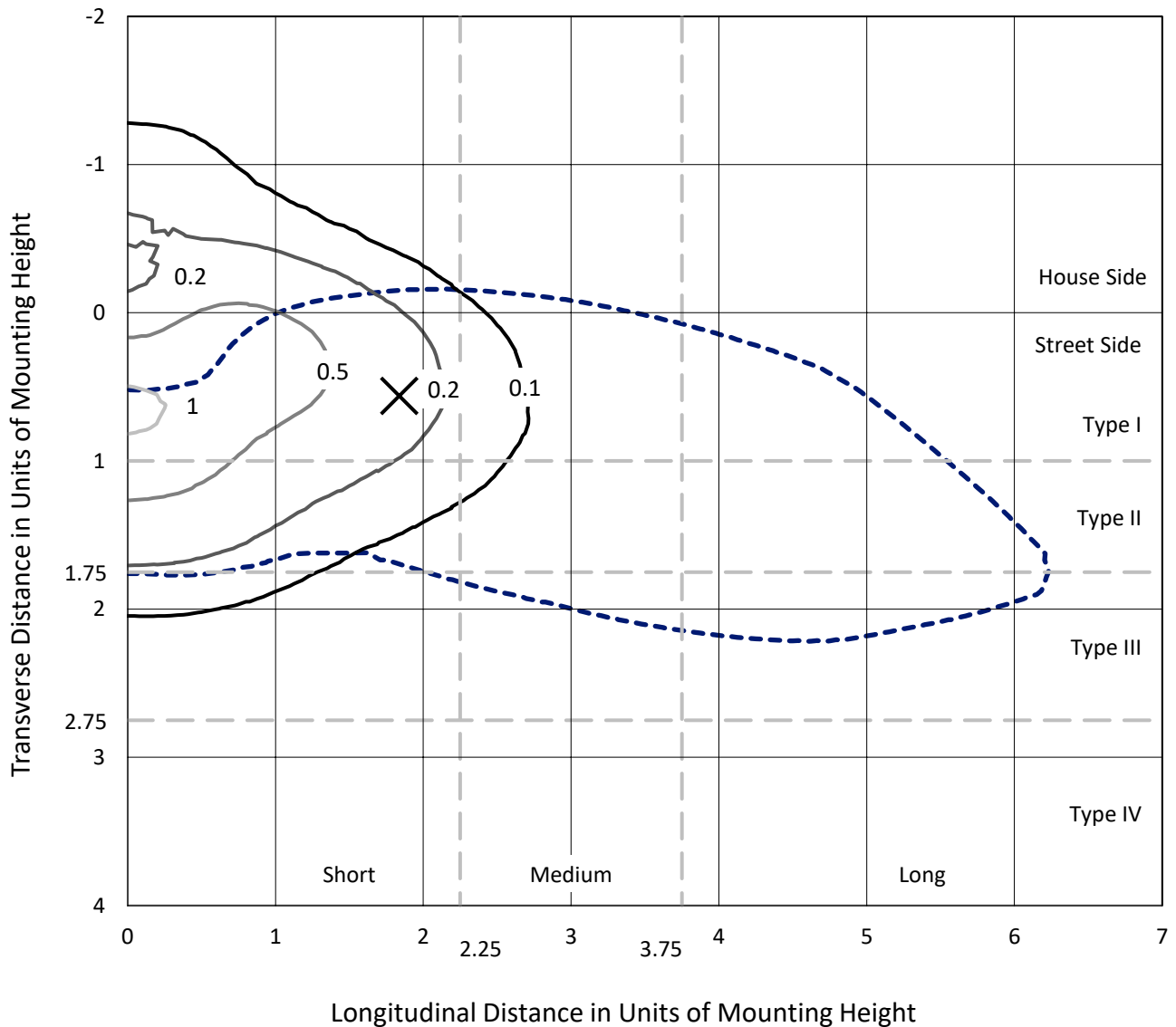
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

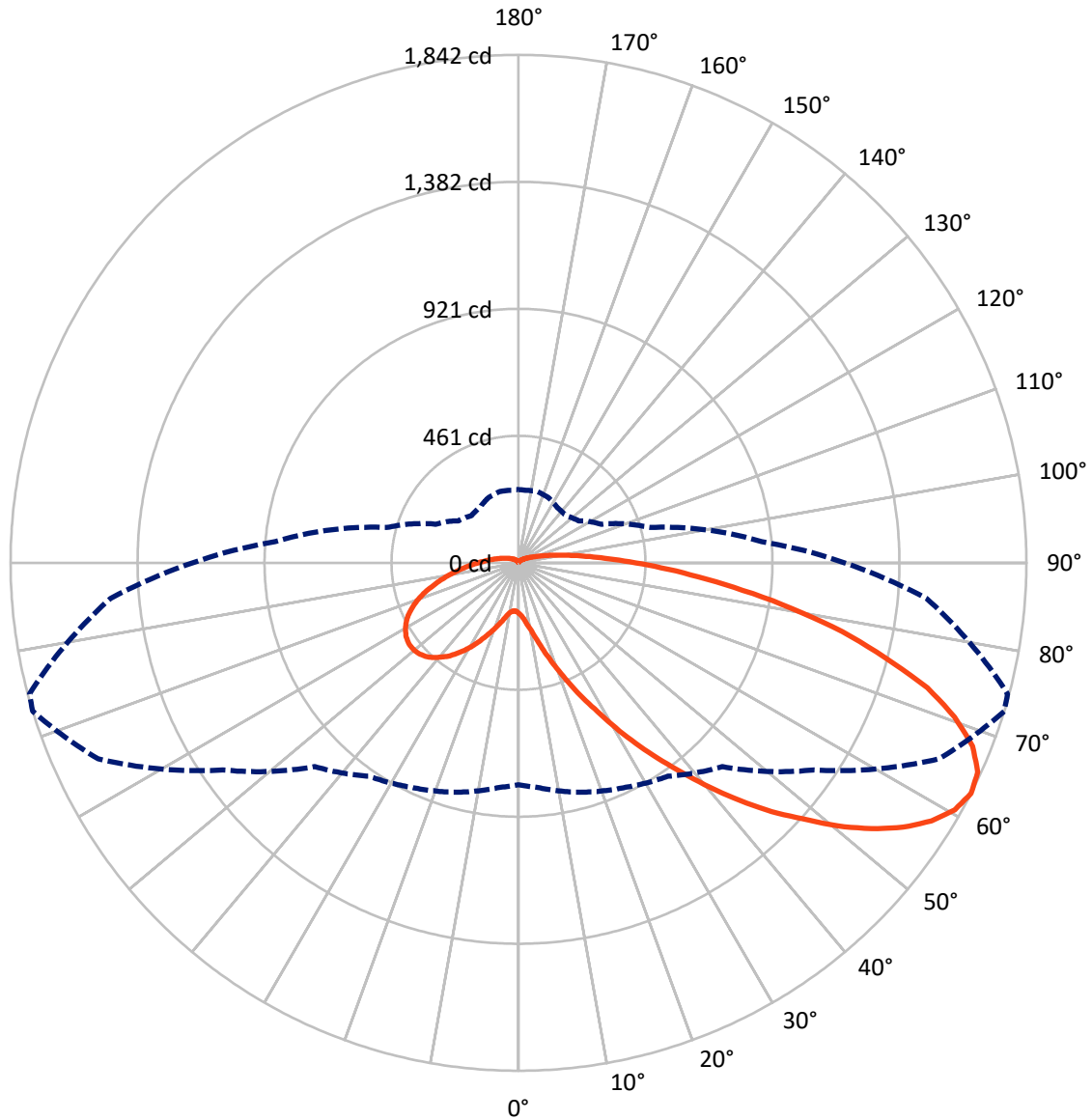
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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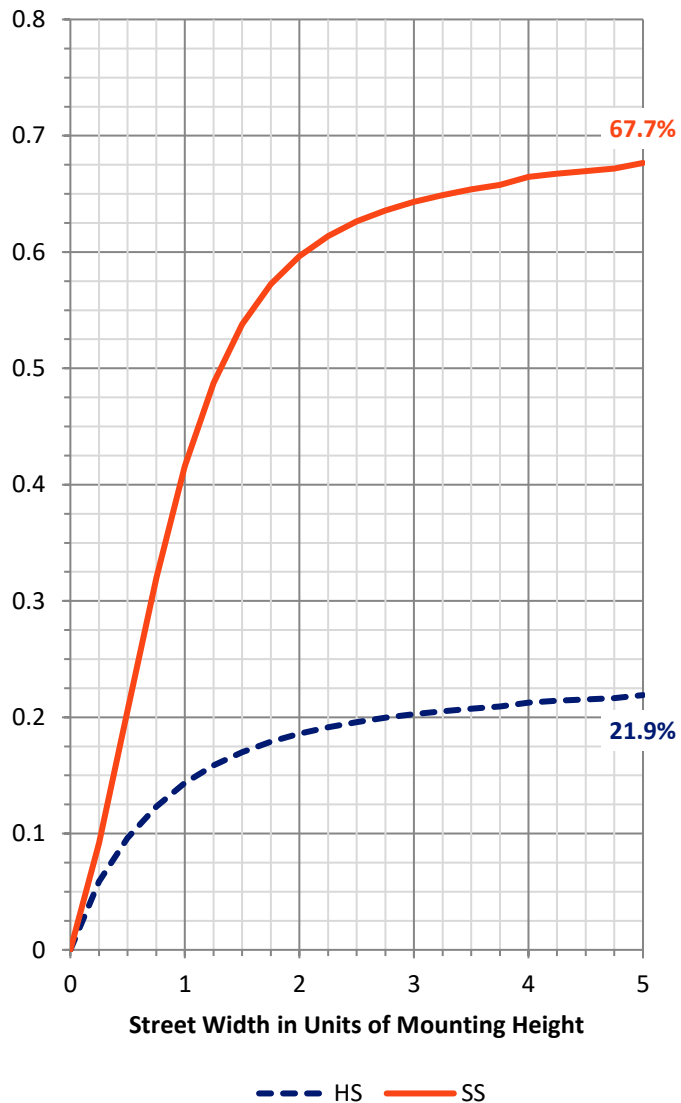
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	914.6	119.6	1034.2
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	2752.7	167.1	2919.8
	% Fixture	69.6	4.2	73.8
Total	Lumens	3667.3	286.7	3954.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	0.5
10°-20°	80.6	2.0
20°-30°	207.9	5.3
30°-40°	407.1	10.3
40°-50°	621.8	15.7
50°-60°	757.4	19.2
60°-70°	732.5	18.5
70°-80°	541.0	13.7
80°-90°	299.9	7.6
90°-100°	142.4	3.6
100°-110°	70.1	1.8
110°-120°	37.7	1.0
120°-130°	21.0	0.5
130°-140°	10.9	0.3
140°-150°	4.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3667.3	92.7
0°-180°	3954.0	100.0

Coefficient of Utilization



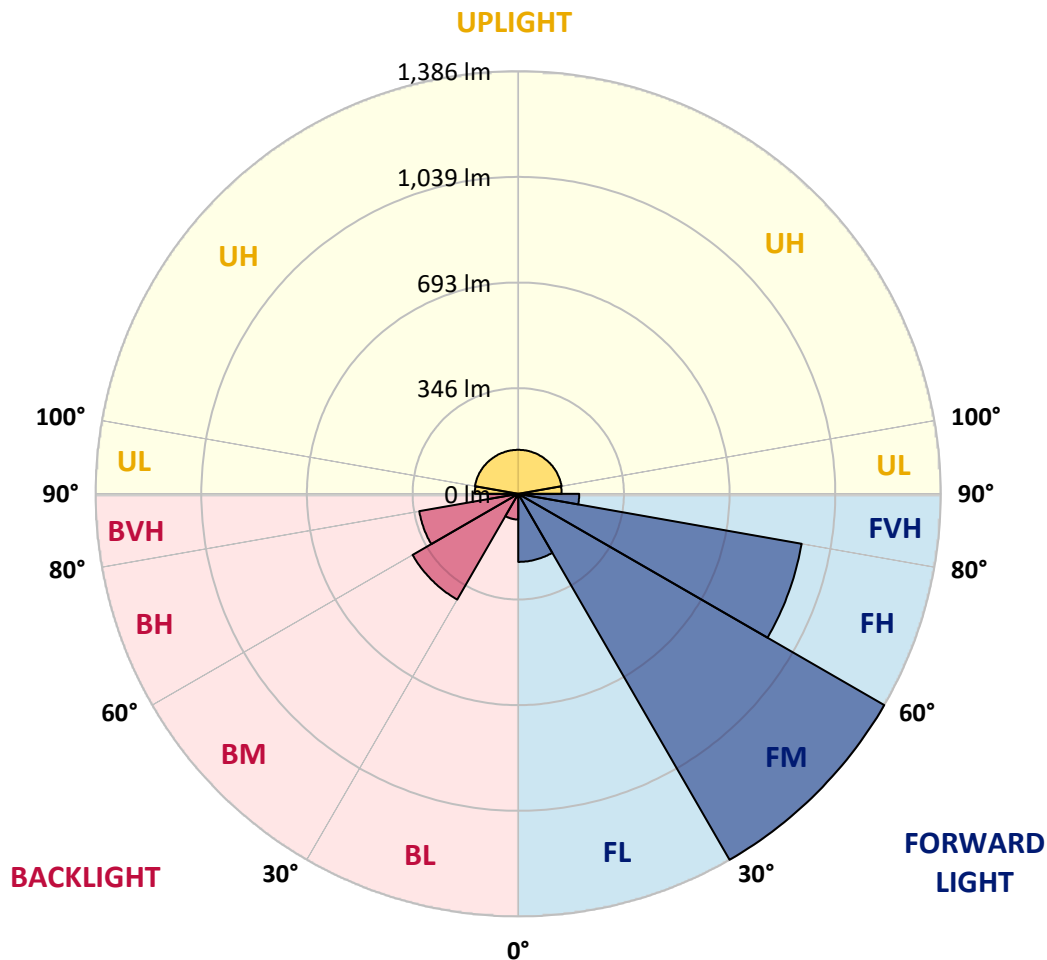
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.3	5.6			
FM (30°-60°)	1385.8	35.0			
FH (60°-80°)	943.8	23.9			G1/1800
FVH (80°-90°)	199.8	5.1			G2/225
BL (0°-30°)	84.3	2.1	B0/110		
BM (30°-60°)	400.5	10.1	B1/1000		
BH (60°-80°)	329.6	8.3	B1/500		G1/500
BVH (80°-90°)	100.1	2.5			G2/225
UL (90°-100°)	142.4	3.6		U3/500	
UH (100°-180°)	144.3	3.6		U3/500	

BUG Rating: B1-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6
2.5°	207.5	206.0	207.5	206.0	203.0	200.0	197.0	192.6	191.1	189.6	185.1
5°	241.8	243.3	241.8	235.8	232.9	226.9	220.9	212.0	204.5	203.0	194.0
7.5°	283.6	282.1	280.6	276.1	268.7	258.2	247.8	235.8	225.4	222.4	207.5
10°	332.9	328.4	329.9	319.4	310.5	297.0	283.6	265.7	247.8	244.8	225.4
12.5°	389.6	388.1	385.1	371.7	358.2	343.3	322.4	300.0	280.6	274.7	250.8
15°	458.2	452.3	449.3	434.4	416.5	397.0	371.7	344.8	320.9	316.4	282.1
17.5°	534.4	526.9	518.0	498.6	480.6	455.3	425.4	395.6	367.2	361.2	317.9
20°	613.5	610.5	600.1	576.2	549.3	522.4	489.6	453.8	417.9	410.5	361.2
22.5°	709.0	706.0	688.1	658.3	625.4	594.1	556.8	518.0	477.7	465.7	407.5
25°	813.5	804.5	783.6	746.3	709.0	665.7	628.4	586.6	543.3	528.4	461.2
27.5°	919.5	912.0	883.7	841.9	791.1	743.3	701.6	661.3	610.5	603.0	516.5
30°	1024.0	1024.0	986.7	938.9	871.7	818.0	777.7	740.4	694.1	683.6	583.6
32.5°	1128.5	1125.5	1094.1	1029.9	955.3	892.6	853.8	822.5	780.7	761.3	656.8
35°	1225.5	1224.0	1182.2	1113.5	1031.4	965.8	932.9	912.0	870.2	853.8	729.9
37.5°	1315.0	1309.1	1262.8	1192.6	1092.6	1028.4	1009.0	1007.5	965.8	944.9	807.5
40°	1376.2	1371.8	1331.5	1252.3	1149.4	1086.7	1085.2	1101.6	1071.7	1049.3	888.1
42.5°	1413.6	1407.6	1374.7	1297.1	1194.1	1135.9	1153.8	1195.6	1179.2	1153.8	970.2
45°	1422.5	1418.0	1391.2	1319.5	1224.0	1176.2	1215.0	1289.7	1286.7	1262.8	1050.8
47.5°	1400.1	1400.1	1382.2	1322.5	1235.9	1203.1	1274.7	1380.7	1386.7	1374.7	1135.9
50°	1356.8	1353.8	1349.4	1301.6	1231.4	1218.0	1321.0	1473.3	1500.1	1482.2	1224.0
52.5°	1283.7	1282.2	1286.7	1259.8	1209.1	1216.5	1353.8	1552.4	1601.6	1585.2	1298.6
55°	1186.7	1183.7	1203.1	1195.6	1165.8	1198.6	1370.3	1616.6	1692.7	1677.8	1371.8
57.5°	1070.2	1064.3	1101.6	1115.0	1106.1	1164.3	1370.3	1661.3	1765.8	1752.4	1428.5
60°	935.9	940.4	979.2	1016.5	1027.0	1112.0	1347.9	1683.7	1818.1	1809.1	1465.8
62.5°	804.5	818.0	861.3	900.1	944.9	1044.9	1309.1	1682.2	1842.0	1836.0	1485.2
65°	679.2	694.1	737.4	791.1	846.3	965.8	1249.4	1646.4	1830.0	1827.0	1476.2
67.5°	562.7	573.2	618.0	680.7	746.3	877.7	1165.8	1579.2	1776.3	1777.8	1434.5
70°	462.7	468.7	516.5	579.2	646.3	779.2	1065.8	1473.3	1677.8	1682.2	1355.3
72.5°	380.6	391.1	426.9	485.1	556.8	689.6	959.8	1344.9	1550.9	1549.4	1249.4
75°	310.5	316.4	353.8	406.0	468.7	594.1	844.8	1191.1	1371.8	1383.7	1112.0
77.5°	250.8	255.2	292.6	338.8	400.0	510.5	726.9	1031.4	1200.1	1197.1	967.2
80°	203.0	209.0	240.3	282.1	337.3	434.4	615.0	864.3	1006.1	1009.0	804.5
82.5°	162.7	168.7	197.0	234.3	288.1	364.2	516.5	723.9	819.5	819.5	664.2
85°	129.9	135.8	162.7	195.5	238.8	309.0	423.9	579.2	653.8	658.3	537.4
87.5°	106.0	109.0	132.8	164.2	201.5	259.7	349.3	458.2	518.0	512.0	422.4
90°	85.1	88.1	109.0	135.8	170.2	217.9	285.1	370.2	401.5	400.0	329.9
92.5°	70.2	71.6	91.1	116.4	144.8	183.6	234.3	288.1	312.0	310.5	261.2
95°	58.2	59.7	77.6	98.5	123.9	155.2	191.1	231.4	246.3	243.3	204.5
97.5°	49.3	49.3	65.7	85.1	107.5	131.4	159.7	185.1	192.6	191.1	164.2
100°	41.8	41.8	55.2	74.6	94.0	113.4	132.8	147.8	150.8	152.3	129.9
102.5°	35.8	37.3	49.3	65.7	80.6	97.0	110.5	120.9	120.9	119.4	103.0
105°	32.8	32.8	41.8	56.7	71.6	83.6	94.0	100.0	97.0	94.0	82.1
107.5°	28.4	28.4	37.3	50.8	62.7	73.1	80.6	82.1	77.6	76.1	68.7
110°	25.4	26.9	32.8	44.8	56.7	64.2	68.7	68.7	64.2	62.7	56.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	23.9	23.9	29.9	40.3	49.3	56.7	59.7	58.2	53.7	52.2	47.8
115°	22.4	22.4	26.9	35.8	44.8	50.8	52.2	49.3	44.8	43.3	40.3
117.5°	20.9	20.9	23.9	31.3	40.3	44.8	46.3	41.8	37.3	37.3	35.8
120°	19.4	19.4	22.4	28.4	35.8	40.3	40.3	35.8	32.8	31.3	31.3
122.5°	19.4	19.4	20.9	25.4	31.3	34.3	35.8	31.3	28.4	26.9	26.9
125°	17.9	17.9	19.4	22.4	28.4	31.3	29.9	26.9	23.9	23.9	23.9
127.5°	17.9	17.9	17.9	20.9	23.9	26.9	26.9	23.9	20.9	20.9	22.4
130°	16.4	16.4	16.4	17.9	20.9	23.9	22.4	19.4	17.9	17.9	19.4
132.5°	16.4	16.4	16.4	16.4	17.9	20.9	19.4	16.4	16.4	16.4	16.4
135°	14.9	14.9	14.9	14.9	16.4	16.4	16.4	14.9	13.4	14.9	14.9
137.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	11.9	11.9	11.9	13.4
140°	11.9	11.9	11.9	11.9	10.4	10.4	10.4	9.0	10.4	10.4	11.9
142.5°	11.9	11.9	10.4	10.4	9.0	9.0	7.5	7.5	9.0	9.0	9.0
145°	10.4	10.4	9.0	7.5	6.0	6.0	6.0	6.0	6.0	7.5	7.5
147.5°	7.5	7.5	7.5	6.0	4.5	3.0	3.0	4.5	4.5	4.5	6.0
150°	6.0	6.0	6.0	4.5	3.0	1.5	1.5	3.0	3.0	3.0	4.5
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°	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.6
2.5°	183.6	182.1	177.6	174.6	171.7	170.2	167.2	165.7	165.7	164.2	165.7
5°	189.6	185.1	176.1	168.7	161.2	155.2	150.8	147.8	146.3	144.8	143.3
7.5°	200.0	192.6	179.1	167.2	155.2	146.3	138.8	134.3	131.4	128.4	128.4
10°	214.9	204.5	185.1	168.7	153.7	141.8	131.4	125.4	122.4	119.4	119.4
12.5°	237.3	223.9	198.5	173.1	155.2	140.3	129.9	122.4	119.4	117.9	116.4
15°	265.7	249.3	216.4	186.6	161.2	141.8	131.4	128.4	125.4	123.9	123.9
17.5°	298.5	276.1	235.8	200.0	171.7	150.8	140.3	135.8	134.3	132.8	131.4
20°	334.4	309.0	258.2	214.9	183.6	165.7	150.8	146.3	144.8	143.3	143.3
22.5°	377.6	343.3	282.1	231.4	198.5	177.6	164.2	156.7	155.2	155.2	153.7
25°	422.4	385.1	309.0	249.3	213.5	191.1	176.1	168.7	167.2	168.7	168.7
27.5°	474.7	426.9	337.3	268.7	228.4	201.5	188.1	180.6	180.6	183.6	183.6
30°	531.4	470.2	365.7	288.1	241.8	212.0	198.5	194.0	195.5	197.0	198.5
32.5°	586.6	516.5	392.6	307.5	252.3	220.9	209.0	207.5	209.0	212.0	212.0
35°	650.8	568.7	419.4	323.9	261.2	228.4	217.9	219.4	222.4	225.4	226.9
37.5°	715.0	615.0	446.3	335.8	268.7	235.8	226.9	229.9	232.9	238.8	238.8
40°	776.2	662.7	467.2	346.3	274.7	240.3	232.9	238.8	244.8	247.8	247.8
42.5°	840.4	710.5	489.6	353.8	279.1	244.8	238.8	247.8	253.8	255.2	255.2
45°	906.0	750.8	506.0	359.7	282.1	247.8	243.3	252.3	259.7	261.2	261.2
47.5°	964.3	788.1	518.0	361.2	282.1	249.3	246.3	256.7	264.2	264.2	264.2
50°	1025.5	825.4	525.4	362.7	283.6	250.8	247.8	259.7	267.2	265.7	267.2
52.5°	1077.7	855.3	528.4	359.7	282.1	249.3	249.3	262.7	270.2	267.2	267.2
55°	1124.0	877.7	526.9	355.3	279.1	249.3	249.3	262.7	270.2	267.2	267.2
57.5°	1158.3	891.1	520.9	349.3	276.1	247.8	249.3	262.7	270.2	267.2	267.2
60°	1179.2	892.6	509.0	341.8	271.7	244.8	246.3	261.2	268.7	265.7	265.7
62.5°	1182.2	885.2	494.1	331.4	265.7	241.8	244.8	259.7	267.2	264.2	265.7
65°	1165.8	862.8	474.7	319.4	259.7	237.3	241.8	256.7	264.2	262.7	262.7
67.5°	1124.0	824.0	447.8	304.5	250.8	231.4	237.3	250.8	261.2	258.2	258.2
70°	1056.8	770.2	419.4	288.1	238.8	223.9	229.9	244.8	253.8	252.3	252.3
72.5°	968.7	706.0	385.1	268.7	226.9	214.9	222.4	235.8	243.3	243.3	241.8
75°	862.8	634.4	347.8	247.8	213.5	204.5	213.5	223.9	229.9	228.4	226.9
77.5°	749.3	556.8	312.0	226.9	198.5	192.6	200.0	212.0	214.9	213.5	210.5
80°	634.4	477.7	276.1	204.5	182.1	177.6	185.1	194.0	197.0	192.6	191.1
82.5°	529.9	398.5	240.3	183.6	165.7	162.7	170.2	176.1	176.1	173.1	168.7
85°	428.4	335.8	210.5	162.7	149.3	147.8	153.7	156.7	155.2	150.8	146.3
87.5°	344.8	274.7	180.6	144.8	132.8	131.4	135.8	137.3	134.3	128.4	125.4
90°	279.1	225.4	155.2	128.4	117.9	117.9	119.4	119.4	114.9	107.5	104.5
92.5°	222.4	185.1	134.3	111.9	106.0	103.0	104.5	103.0	97.0	92.5	88.1
95°	179.1	152.3	116.4	100.0	94.0	91.1	92.5	89.6	82.1	76.1	73.1
97.5°	144.8	125.4	100.0	88.1	83.6	80.6	80.6	76.1	71.6	64.2	61.2
100°	116.4	103.0	86.6	77.6	73.1	71.6	70.2	67.2	61.2	53.7	52.2
102.5°	94.0	86.6	74.6	68.7	65.7	64.2	62.7	58.2	52.2	44.8	44.8
105°	77.6	73.1	65.7	61.2	58.2	56.7	55.2	50.8	44.8	38.8	38.8
107.5°	64.2	61.2	56.7	53.7	52.2	50.8	49.3	44.8	38.8	32.8	34.3
110°	55.2	52.2	49.3	47.8	47.8	46.3	43.3	40.3	34.3	29.9	29.9

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	46.3	44.8	43.3	43.3	41.8	40.3	38.8	34.3	29.9	26.9	26.9
115°	40.3	38.8	38.8	38.8	37.3	37.3	34.3	31.3	25.4	23.9	23.9
117.5°	34.3	34.3	34.3	34.3	34.3	32.8	31.3	26.9	22.4	20.9	20.9
120°	31.3	31.3	29.9	29.9	29.9	29.9	26.9	23.9	19.4	19.4	19.4
122.5°	26.9	26.9	26.9	26.9	26.9	25.4	23.9	20.9	17.9	17.9	17.9
125°	23.9	23.9	23.9	25.4	23.9	23.9	20.9	17.9	14.9	16.4	16.4
127.5°	22.4	22.4	22.4	20.9	20.9	20.9	17.9	14.9	13.4	14.9	14.9
130°	19.4	19.4	19.4	19.4	19.4	17.9	16.4	13.4	11.9	13.4	13.4
132.5°	17.9	17.9	17.9	16.4	16.4	14.9	13.4	11.9	10.4	11.9	11.9
135°	14.9	14.9	14.9	14.9	13.4	13.4	11.9	9.0	10.4	10.4	10.4
137.5°	13.4	13.4	13.4	11.9	11.9	10.4	9.0	7.5	9.0	9.0	9.0
140°	11.9	11.9	11.9	10.4	9.0	9.0	7.5	7.5	7.5	9.0	9.0
142.5°	9.0	9.0	9.0	9.0	7.5	6.0	6.0	6.0	7.5	7.5	7.5
145°	7.5	7.5	7.5	6.0	6.0	4.5	4.5	4.5	6.0	6.0	6.0
147.5°	6.0	6.0	6.0	4.5	4.5	3.0	3.0	4.5	6.0	6.0	6.0
150°	4.5	4.5	4.5	3.0	3.0	1.5	3.0	3.0	4.5	4.5	4.5
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)