

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: P695074

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4026 lumens
Efficiency: N/A
Efficacy: 100.1 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

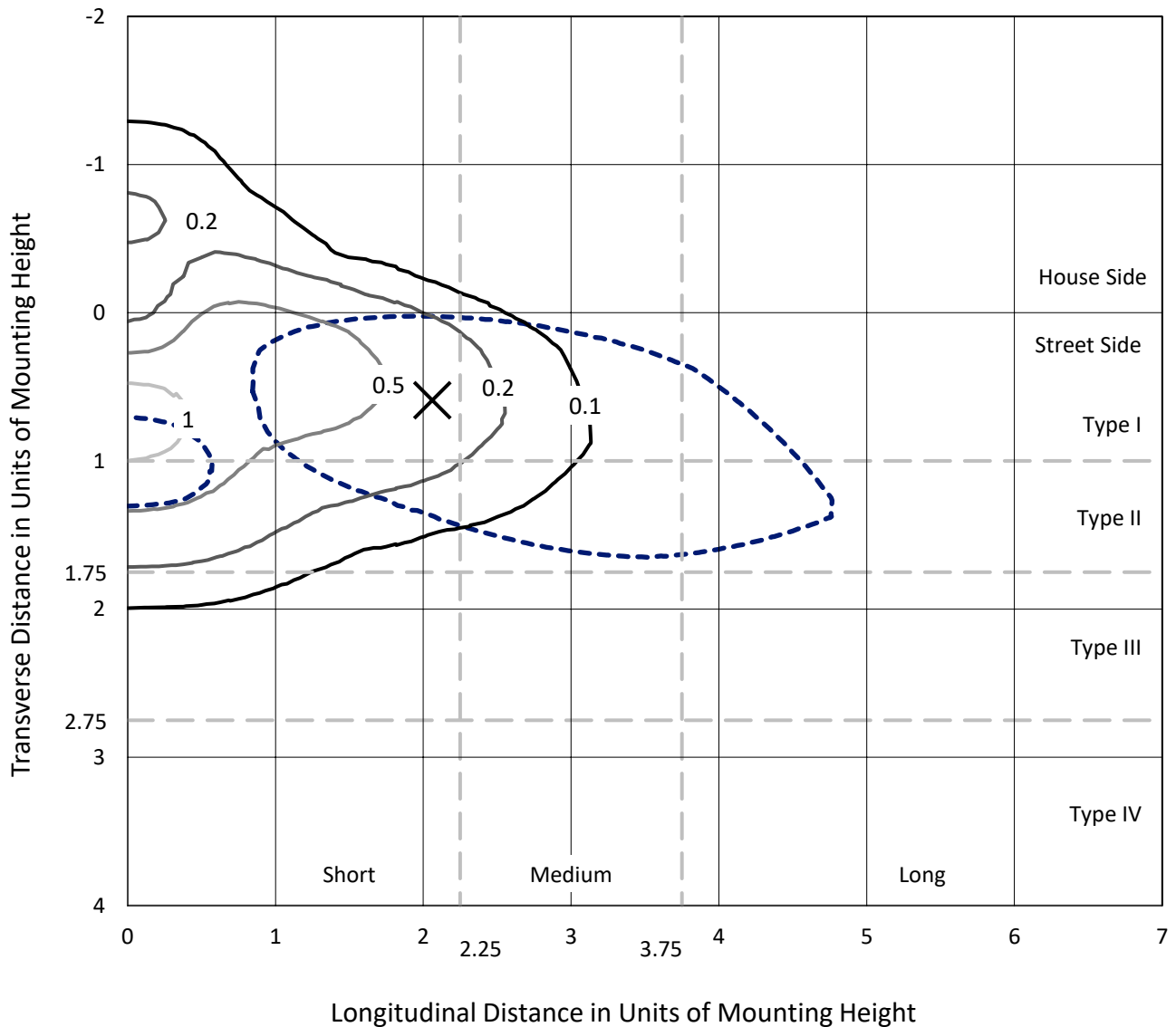
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

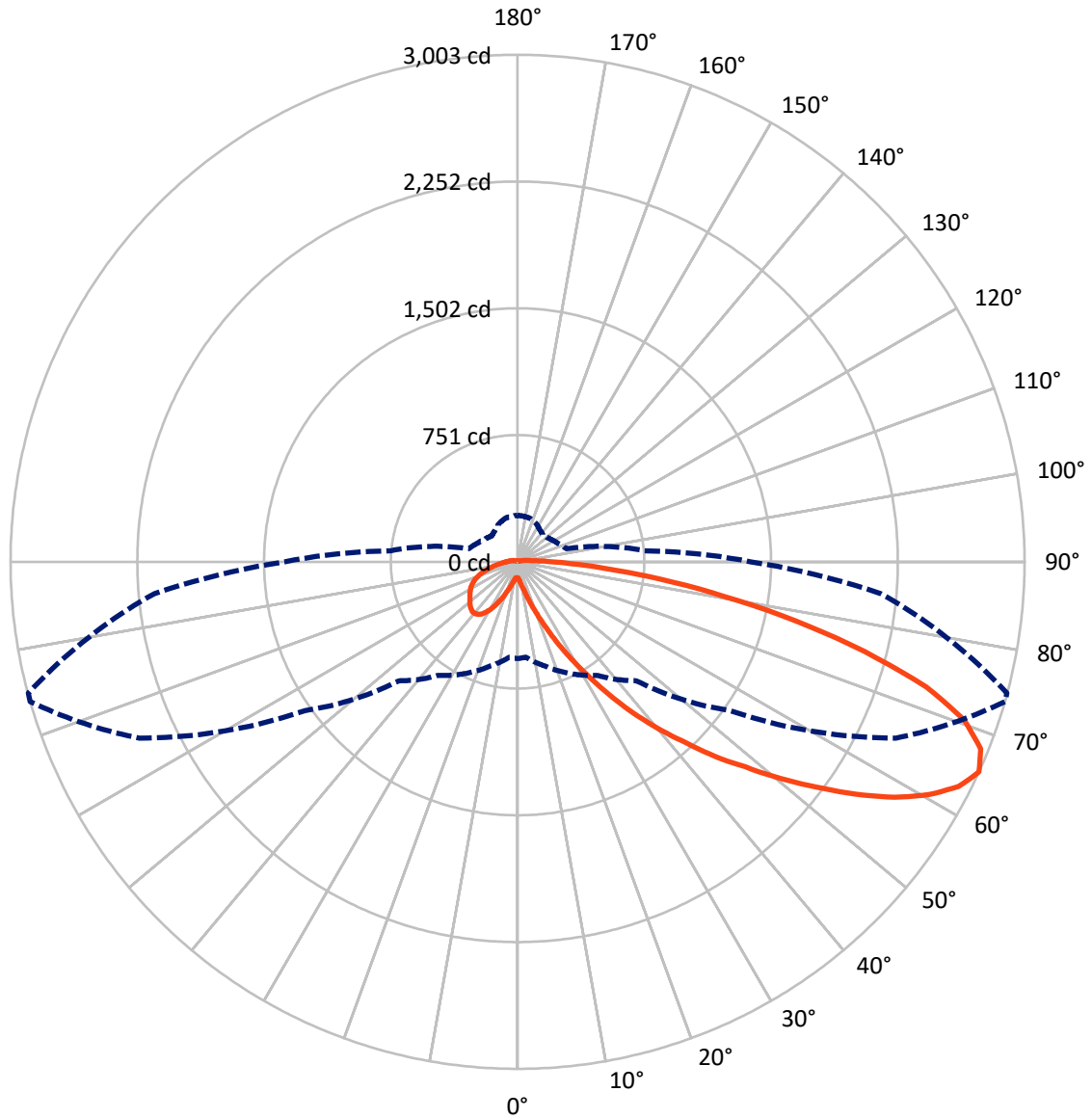
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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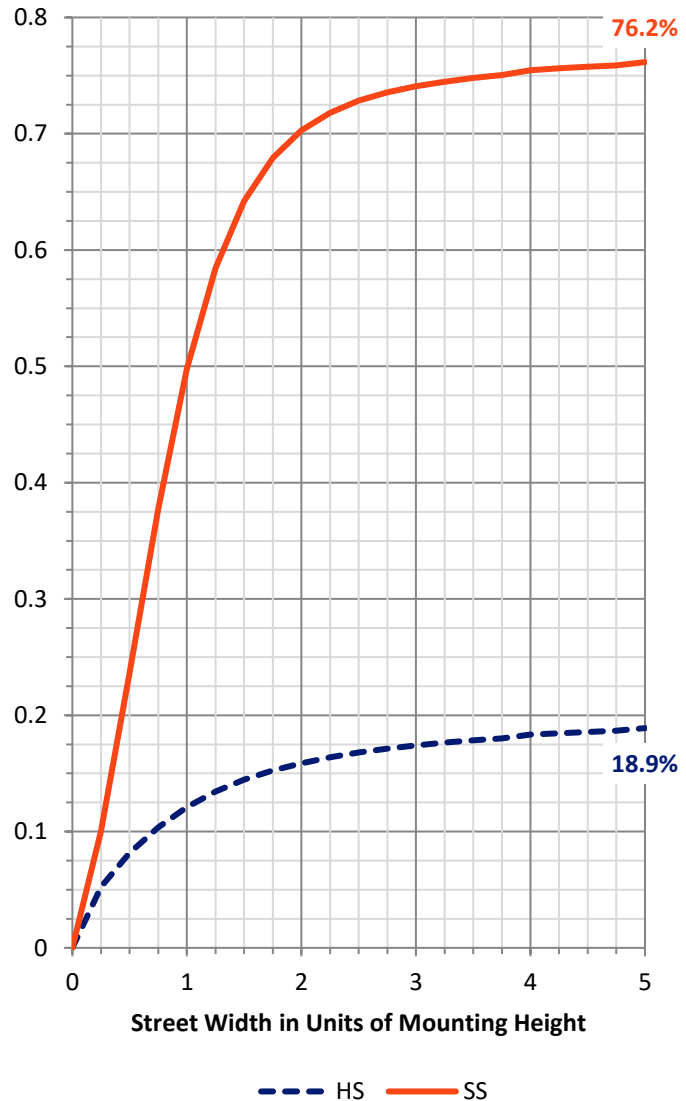
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	798.8	65.2	864.0
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	3103.7	58.3	3162.0
	% Fixture	77.1	1.4	78.5
Total	Lumens	3902.5	123.5	4026.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.3
10°-20°	58.0	1.4
20°-30°	193.0	4.8
30°-40°	442.2	11.0
40°-50°	707.8	17.6
50°-60°	878.5	21.8
60°-70°	852.6	21.2
70°-80°	556.1	13.8
80°-90°	203.3	5.1
90°-100°	60.7	1.5
100°-110°	28.1	0.7
110°-120°	15.5	0.4
120°-130°	9.7	0.2
130°-140°	6.1	0.2
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3902.5	96.9
0°-180°	4026.0	100.0

Coefficient of Utilization

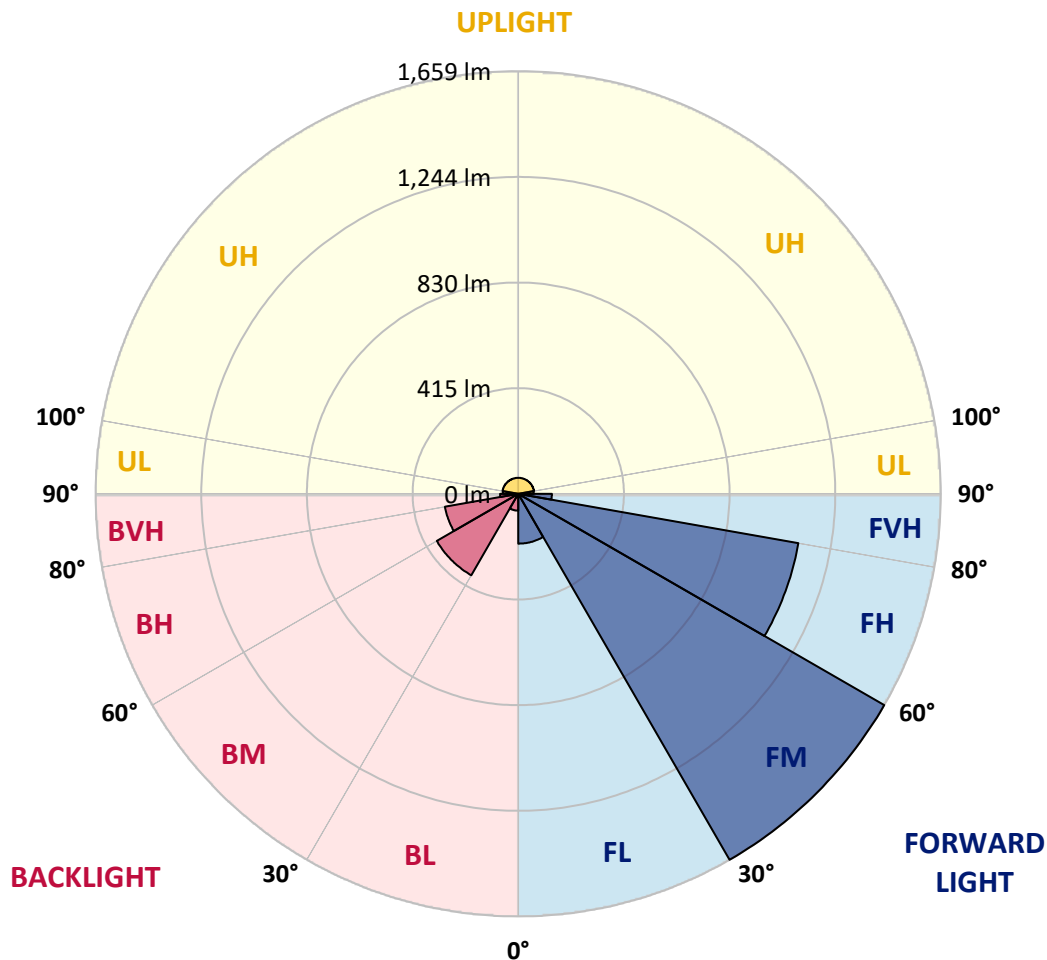


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.7	4.9			
FM (30°-60°)	1659.3	41.2			
FH (60°-80°)	1116.7	27.7			G1/1800
FVH (80°-90°)	132.0	3.3			G2/225
BL (0°-30°)	66.2	1.6	B0/110		
BM (30°-60°)	369.3	9.2	B1/1000		
BH (60°-80°)	292.1	7.3	B1/500		G1/500
BVH (80°-90°)	71.3	1.8			G1/100
UL (90°-100°)	60.7	1.5		U3/500	
UH (100°-180°)	62.8	1.6		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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	109.0	110.4	110.4	109.0	107.5	107.5	104.5	101.5	100.0	100.0	98.5
5°	132.8	134.3	134.3	131.3	126.9	125.4	119.4	114.9	110.4	110.4	104.5
7.5°	167.2	168.7	165.7	162.7	156.7	150.7	143.3	134.3	125.4	123.9	116.4
10°	207.5	211.9	209.0	201.5	192.5	185.1	173.1	158.2	149.3	146.3	132.8
12.5°	270.1	267.2	259.7	252.2	241.8	226.9	210.4	192.5	174.6	176.1	158.2
15°	334.3	340.3	329.8	316.4	295.5	279.1	256.7	237.3	217.9	214.9	191.0
17.5°	428.4	426.9	414.9	388.1	356.7	340.3	316.4	292.5	270.1	262.7	231.3
20°	538.8	537.3	513.4	479.1	449.2	416.4	383.6	358.2	331.3	325.4	285.1
22.5°	670.1	664.2	638.8	589.5	538.8	498.5	464.2	444.8	409.0	403.0	347.8
25°	822.4	808.9	780.6	714.9	637.3	591.0	559.7	537.3	503.0	495.5	423.9
27.5°	991.0	982.1	929.8	843.3	750.7	679.1	656.7	641.8	613.4	604.5	509.0
30°	1149.2	1152.2	1095.5	986.6	868.6	782.1	765.7	767.2	729.8	722.4	608.9
32.5°	1337.3	1325.4	1252.2	1126.9	979.1	889.5	874.6	895.5	864.2	858.2	717.9
35°	1486.6	1495.5	1417.9	1262.7	1091.0	988.1	994.0	1028.3	1010.4	1001.5	814.9
37.5°	1629.8	1622.4	1531.3	1377.6	1188.0	1080.6	1103.0	1179.1	1161.2	1150.7	929.8
40°	1725.4	1716.4	1637.3	1471.6	1276.1	1165.7	1208.9	1322.4	1314.9	1310.4	1028.3
42.5°	1770.1	1758.2	1694.0	1537.3	1340.3	1232.8	1317.9	1468.6	1467.2	1462.7	1141.8
45°	1759.7	1752.2	1703.0	1576.1	1382.1	1295.5	1414.9	1620.9	1647.7	1626.9	1246.3
47.5°	1713.4	1706.0	1671.6	1576.1	1404.5	1334.3	1501.5	1780.6	1814.9	1795.5	1362.7
50°	1620.9	1617.9	1608.9	1538.8	1401.5	1365.7	1585.1	1925.4	2017.9	1998.5	1495.5
52.5°	1491.0	1489.5	1504.5	1471.6	1373.1	1370.1	1650.7	2092.5	2216.4	2195.5	1625.4
55°	1338.8	1338.8	1364.2	1367.2	1317.9	1353.7	1701.5	2226.8	2429.8	2400.0	1767.1
57.5°	1144.8	1150.7	1207.5	1244.8	1226.9	1306.0	1719.4	2355.2	2631.3	2611.9	1913.4
60°	952.2	955.2	1020.9	1083.6	1114.9	1238.8	1703.0	2443.3	2800.0	2792.5	2031.3
62.5°	750.7	753.7	822.4	913.4	974.6	1128.3	1641.8	2483.6	2931.3	2926.8	2117.9
65°	573.1	567.2	640.3	729.8	820.9	997.0	1535.8	2471.6	3003.0	3000.0	2159.7
67.5°	411.9	423.9	479.1	565.7	658.2	856.7	1389.5	2355.2	2958.2	2961.2	2114.9
70°	298.5	317.9	356.7	422.4	517.9	704.5	1213.4	2161.2	2805.9	2823.9	1988.0
72.5°	229.8	231.3	262.7	314.9	391.0	558.2	1004.5	1897.0	2529.8	2535.8	1768.6
75°	179.1	183.6	204.5	241.8	300.0	432.8	814.9	1570.1	2120.9	2155.2	1500.0
77.5°	146.3	147.8	164.2	186.6	229.8	326.9	608.9	1238.8	1686.6	1689.5	1170.1
80°	114.9	120.9	134.3	149.3	179.1	244.8	447.8	907.5	1240.3	1220.9	828.4
82.5°	88.1	92.5	103.0	119.4	135.8	183.6	320.9	640.3	852.2	837.3	567.2
85°	65.7	68.7	79.1	92.5	107.5	140.3	223.9	413.4	528.4	511.9	344.8
87.5°	46.3	47.8	56.7	68.7	82.1	106.0	155.2	253.7	317.9	311.9	213.4
90°	31.3	32.8	40.3	50.7	64.2	82.1	111.9	158.2	185.1	185.1	135.8
92.5°	22.4	23.9	29.9	38.8	50.7	65.7	82.1	103.0	113.4	111.9	92.5
95°	17.9	17.9	23.9	31.3	41.8	53.7	62.7	70.1	76.1	76.1	70.1
97.5°	14.9	14.9	20.9	26.9	35.8	44.8	50.7	52.2	55.2	55.2	52.2
100°	13.4	13.4	17.9	23.9	29.9	37.3	41.8	40.3	41.8	43.3	40.3
102.5°	11.9	11.9	16.4	20.9	26.9	32.8	34.3	32.8	32.8	32.8	31.3
105°	10.4	10.4	14.9	19.4	23.9	28.4	29.9	26.9	25.4	25.4	25.4
107.5°	9.0	9.0	13.4	16.4	20.9	25.4	25.4	23.9	20.9	20.9	19.4
110°	9.0	9.0	11.9	14.9	19.4	22.4	22.4	19.4	16.4	16.4	16.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.5	7.5	10.4	14.9	17.9	19.4	19.4	16.4	14.9	13.4	13.4
115°	7.5	7.5	10.4	13.4	16.4	17.9	17.9	14.9	11.9	11.9	11.9
117.5°	7.5	7.5	9.0	11.9	14.9	16.4	14.9	13.4	10.4	10.4	10.4
120°	7.5	7.5	9.0	10.4	13.4	14.9	14.9	11.9	9.0	9.0	10.4
122.5°	7.5	7.5	9.0	10.4	11.9	13.4	13.4	10.4	9.0	9.0	9.0
125°	7.5	7.5	9.0	10.4	11.9	13.4	11.9	10.4	7.5	7.5	9.0
127.5°	7.5	7.5	9.0	9.0	10.4	11.9	10.4	9.0	7.5	7.5	9.0
130°	7.5	7.5	9.0	9.0	10.4	10.4	10.4	7.5	7.5	7.5	7.5
132.5°	9.0	9.0	9.0	9.0	9.0	10.4	9.0	7.5	6.0	6.0	7.5
135°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.5	6.0	6.0	7.5
137.5°	7.5	9.0	7.5	7.5	7.5	9.0	7.5	6.0	6.0	6.0	6.0
140°	7.5	7.5	7.5	7.5	7.5	7.5	6.0	4.5	6.0	6.0	6.0
142.5°	7.5	7.5	7.5	6.0	6.0	6.0	6.0	4.5	4.5	4.5	6.0
145°	6.0	6.0	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5
147.5°	6.0	6.0	6.0	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5
150°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	97.0	95.5	94.0	92.5	89.6	88.1	88.1	86.6	86.6	86.6	86.6
5°	101.5	100.0	95.5	91.0	86.6	83.6	80.6	80.6	79.1	77.6	77.6
7.5°	111.9	107.5	100.0	92.5	88.1	82.1	79.1	76.1	74.6	74.6	74.6
10°	126.9	120.9	109.0	98.5	91.0	83.6	79.1	76.1	74.6	73.1	73.1
12.5°	147.8	140.3	122.4	109.0	95.5	88.1	82.1	79.1	77.6	77.6	77.6
15°	177.6	165.7	143.3	120.9	106.0	92.5	89.6	89.6	91.0	91.0	91.0
17.5°	216.4	198.5	164.2	135.8	116.4	104.5	100.0	101.5	104.5	104.5	104.5
20°	258.2	237.3	191.0	155.2	129.8	119.4	113.4	116.4	120.9	123.9	123.9
22.5°	316.4	286.6	223.9	176.1	146.3	132.8	129.8	132.8	140.3	143.3	143.3
25°	383.6	338.8	258.2	198.5	164.2	149.3	146.3	150.7	159.7	167.2	167.2
27.5°	453.7	397.0	295.5	220.9	180.6	162.7	161.2	168.7	180.6	188.1	189.6
30°	534.3	456.7	329.8	243.3	197.0	176.1	176.1	188.1	201.5	211.9	213.4
32.5°	613.4	519.4	359.7	262.7	211.9	188.1	189.6	204.5	222.4	231.3	234.3
35°	694.0	573.1	386.6	279.1	222.4	198.5	201.5	220.9	238.8	249.3	249.3
37.5°	771.6	622.4	400.0	288.1	231.3	206.0	211.9	234.3	252.2	261.2	262.7
40°	846.3	659.7	409.0	294.0	237.3	213.4	219.4	243.3	262.7	271.6	271.6
42.5°	911.9	691.0	410.4	295.5	241.8	217.9	226.9	250.7	268.7	274.6	276.1
45°	979.1	717.9	403.0	292.5	244.8	222.4	229.8	255.2	271.6	276.1	277.6
47.5°	1040.3	740.3	394.0	289.5	246.3	223.9	232.8	258.2	273.1	274.6	276.1
50°	1111.9	758.2	380.6	285.1	247.8	225.4	234.3	258.2	273.1	273.1	273.1
52.5°	1180.6	773.1	367.2	280.6	247.8	225.4	234.3	259.7	273.1	271.6	271.6
55°	1255.2	786.6	353.7	277.6	246.3	225.4	234.3	259.7	271.6	270.1	271.6
57.5°	1313.4	792.5	343.3	274.6	246.3	223.9	232.8	258.2	270.1	270.1	270.1
60°	1364.2	791.0	329.8	271.6	244.8	222.4	232.8	256.7	270.1	270.1	270.1
62.5°	1394.0	777.6	316.4	268.7	241.8	219.4	231.3	256.7	270.1	271.6	271.6
65°	1382.1	753.7	298.5	261.2	235.8	216.4	229.8	253.7	268.7	273.1	274.6
67.5°	1331.3	700.0	279.1	250.7	229.8	213.4	228.4	250.7	265.7	273.1	273.1
70°	1225.4	632.8	253.7	235.8	219.4	209.0	223.9	246.3	259.7	268.7	268.7
72.5°	1077.6	546.3	229.8	216.4	207.5	201.5	219.4	238.8	250.7	258.2	258.2
75°	895.5	453.7	201.5	194.0	192.5	191.0	210.4	228.4	235.8	241.8	241.8
77.5°	700.0	365.7	171.6	171.6	171.6	177.6	198.5	210.4	216.4	222.4	222.4
80°	511.9	279.1	144.8	146.3	150.7	162.7	180.6	189.6	192.5	198.5	195.5
82.5°	349.3	203.0	120.9	120.9	129.8	143.3	161.2	165.7	167.2	171.6	167.2
85°	229.8	146.3	100.0	100.0	109.0	122.4	135.8	138.8	138.8	141.8	137.3
87.5°	149.3	107.5	82.1	82.1	88.1	101.5	111.9	111.9	111.9	114.9	110.4
90°	106.0	82.1	68.7	67.2	71.6	82.1	89.6	88.1	88.1	89.6	86.6
92.5°	77.6	67.2	58.2	56.7	59.7	67.2	71.6	70.1	71.6	70.1	68.7
95°	61.2	55.2	50.7	49.3	50.7	55.2	58.2	56.7	56.7	55.2	53.7
97.5°	49.3	46.3	44.8	43.3	43.3	44.8	47.8	46.3	47.8	44.8	43.3
100°	40.3	38.8	38.8	38.8	37.3	38.8	40.3	40.3	40.3	37.3	37.3
102.5°	31.3	32.8	34.3	34.3	32.8	34.3	34.3	34.3	34.3	31.3	31.3
105°	25.4	26.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	26.9	26.9
107.5°	20.9	22.4	25.4	26.9	25.4	25.4	26.9	26.9	25.4	23.9	23.9
110°	17.9	19.4	20.9	22.4	22.4	22.4	23.9	23.9	22.4	20.9	19.4

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

CANDELA DISTRIBUTION (continued):

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