

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: P695072

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4203.1 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

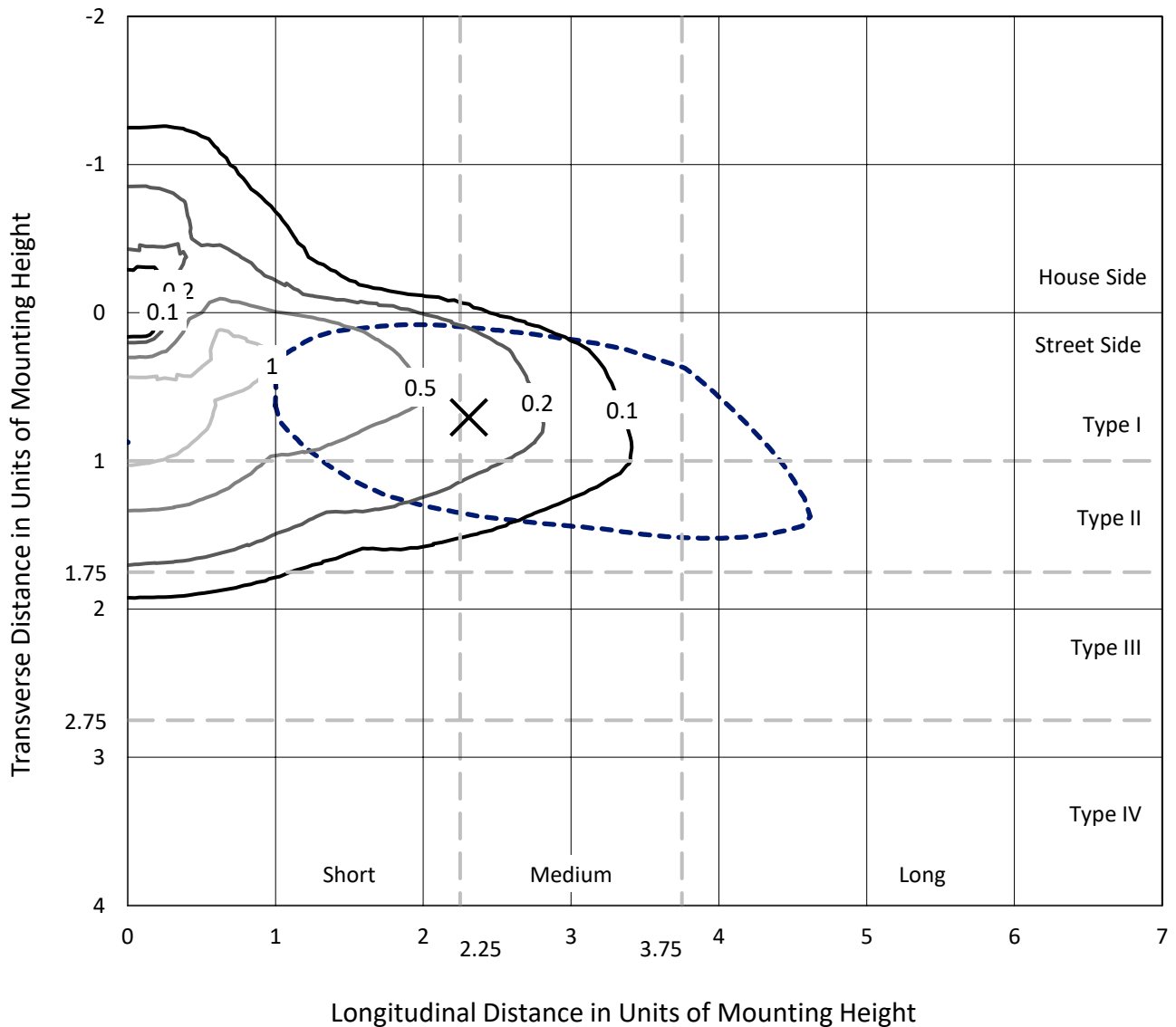
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

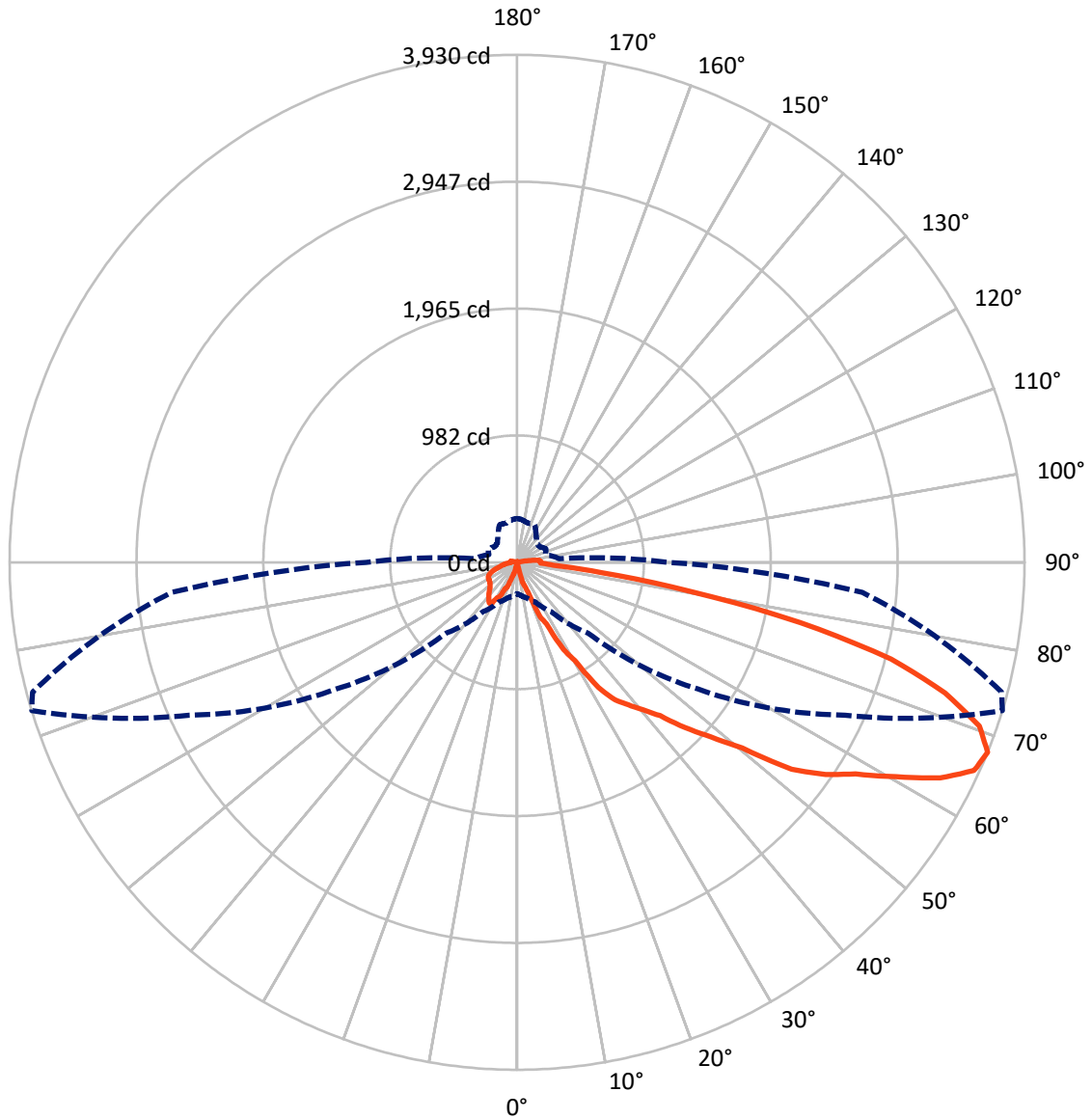
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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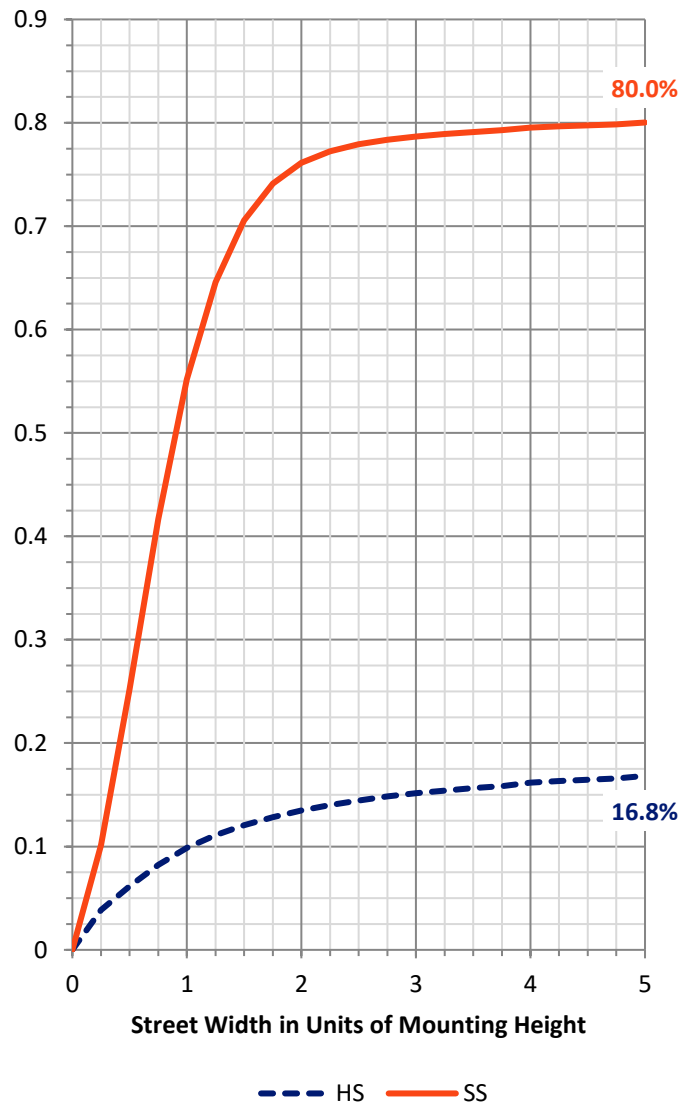
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	743.0	31.7	774.6
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	3389.5	38.9	3428.4
	% Fixture	80.6	0.9	81.6
Total	Lumens	4132.5	70.6	4203.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	34.0	0.8
20°-30°	210.4	5.0
30°-40°	529.2	12.6
40°-50°	764.2	18.2
50°-60°	934.6	22.2
60°-70°	921.5	21.9
70°-80°	579.7	13.8
80°-90°	158.5	3.8
90°-100°	46.1	1.1
100°-110°	9.9	0.2
110°-120°	5.1	0.1
120°-130°	4.2	0.1
130°-140°	3.0	0.1
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4132.5	98.3
0°-180°	4203.1	100.0

Coefficient of Utilization

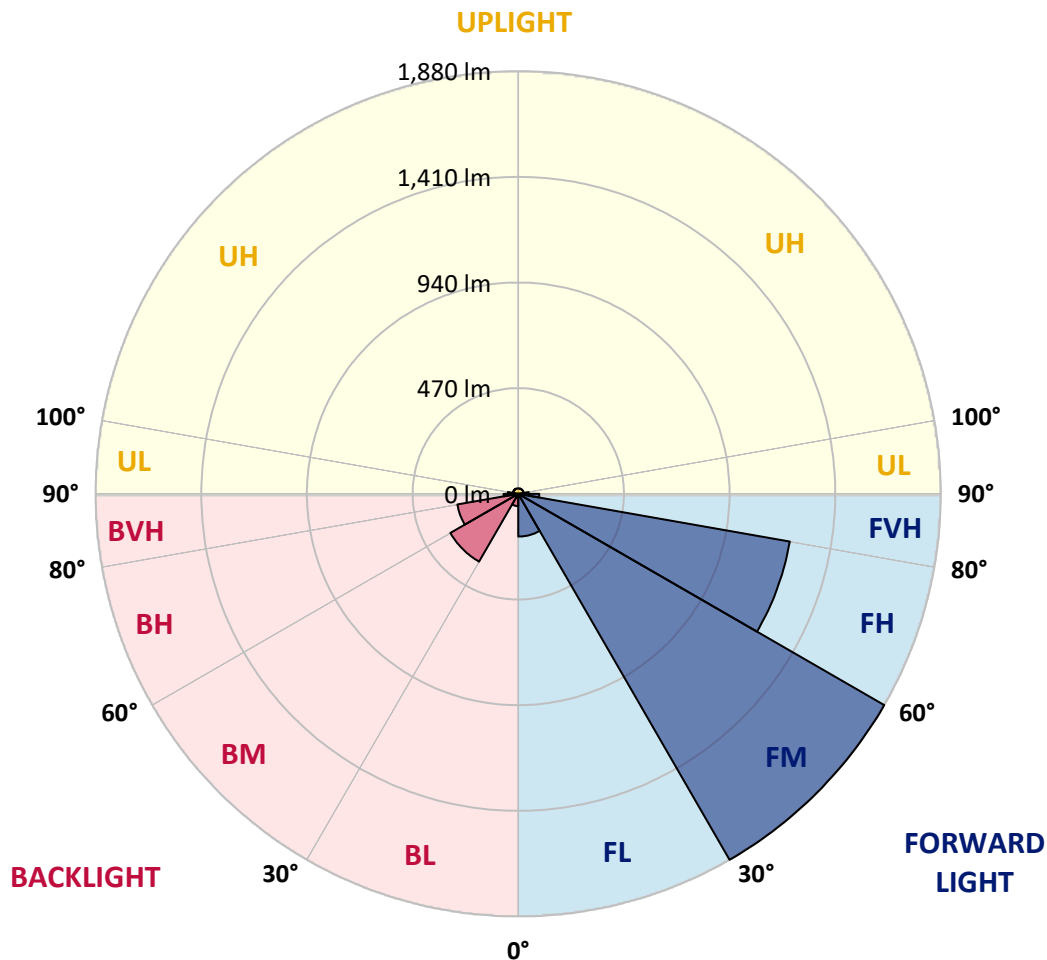


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.2	4.5			
FM (30°-60°)	1879.6	44.7			
FH (60°-80°)	1226.3	29.2			G1/1800
FVH (80°-90°)	93.4	2.2			G1/100
BL (0°-30°)	54.5	1.3	B0/110		
BM (30°-60°)	348.5	8.3	B1/1000		
BH (60°-80°)	274.8	6.5	B1/500		G1/500
BVH (80°-90°)	65.1	1.5			G1/100
UL (90°-100°)	46.1	1.1		U2/50	
UH (100°-180°)	24.5	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0
5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0
7.5°	6.0	7.5	6.0	6.0	6.0	6.0	6.0	4.5	3.0	3.0	3.0
10°	25.4	23.9	16.4	14.9	9.0	7.5	6.0	4.5	4.5	4.5	4.5
12.5°	200.0	198.5	194.0	174.6	29.8	14.9	9.0	11.9	16.4	19.4	22.4
15°	229.8	232.8	228.4	223.9	216.4	71.6	31.3	173.1	161.2	155.2	119.4
17.5°	414.9	310.4	273.1	267.2	250.7	210.4	191.0	211.9	192.5	186.6	144.8
20°	570.1	567.1	556.7	537.3	301.5	383.6	367.2	249.2	252.2	267.2	285.1
22.5°	637.3	634.3	620.9	600.0	626.8	441.8	416.4	462.7	458.2	444.8	344.8
25°	1044.7	1031.3	958.2	698.5	700.0	616.4	638.8	595.5	525.4	511.9	401.5
27.5°	1132.8	1140.3	1122.4	1019.4	801.5	820.9	701.5	685.1	764.2	786.5	607.4
30°	1514.9	1550.7	1379.1	1162.7	1050.7	897.0	859.7	940.3	883.6	858.2	664.2
32.5°	1770.1	1753.7	1720.8	1450.7	1192.5	1074.6	1073.1	1037.3	1156.7	1153.7	932.8
35°	1871.6	1858.2	1825.3	1589.5	1371.6	1261.2	1167.1	1289.5	1308.9	1259.7	995.5
37.5°	1947.7	1932.8	1894.0	1640.2	1514.9	1337.3	1376.1	1382.0	1400.0	1389.5	1050.7
40°	1952.2	1943.2	1916.4	1711.9	1594.0	1397.0	1491.0	1504.4	1500.0	1526.8	1120.9
42.5°	1935.8	1917.9	1901.4	1725.3	1635.8	1443.2	1579.1	1656.7	1623.8	1662.6	1202.9
45°	1871.6	1850.7	1843.2	1725.3	1629.8	1474.6	1682.0	1799.9	1825.3	1791.0	1292.5
47.5°	1762.6	1758.2	1761.1	1685.0	1623.8	1510.4	1780.5	1908.9	2019.3	1965.6	1423.8
50°	1652.2	1659.7	1680.5	1638.8	1605.9	1531.3	1905.9	2097.0	2259.6	2186.5	1620.8
52.5°	1477.6	1488.0	1547.7	1564.1	1555.2	1529.8	2002.9	2350.7	2662.6	2561.1	1825.3
55°	1317.9	1323.8	1364.1	1423.8	1458.2	1498.5	2041.7	2462.6	2899.9	2785.0	1958.2
57.5°	1135.8	1123.8	1176.1	1262.6	1340.3	1455.2	2082.0	2550.7	3091.0	3028.3	2131.3
60°	919.4	894.0	970.1	1050.7	1168.6	1365.6	2107.4	2702.9	3371.5	3335.7	2383.5
62.5°	619.4	631.3	707.4	816.4	980.6	1214.9	2079.0	2841.7	3676.0	3655.1	2594.0
65°	389.5	406.0	455.2	549.2	716.4	1022.4	1959.6	2907.4	3887.9	3852.1	2714.8
67.5°	243.3	253.7	285.1	341.8	470.1	774.6	1711.9	2801.4	3929.7	3883.5	2685.0
70°	201.5	204.5	208.9	222.4	289.5	535.8	1361.2	2526.8	3796.9	3804.4	2561.1
72.5°	180.6	183.6	183.6	182.1	186.6	335.8	970.1	2143.2	3465.6	3465.6	2314.9
75°	165.7	167.2	162.7	161.2	158.2	208.9	592.5	1698.5	2992.4	2935.7	1934.3
77.5°	146.3	149.2	144.8	144.8	143.3	159.7	343.3	1295.5	2241.7	2146.2	1304.4
80°	125.4	125.4	125.4	125.4	126.9	126.9	214.9	889.5	1350.7	1244.7	704.5
82.5°	100.0	98.5	101.5	107.5	104.5	97.0	165.7	517.9	655.2	594.0	347.8
85°	38.8	47.8	55.2	67.2	70.1	67.2	126.9	255.2	279.1	298.5	214.9
87.5°	22.4	22.4	17.9	17.9	19.4	26.9	79.1	153.7	180.6	203.0	189.5
90°	23.9	23.9	17.9	16.4	16.4	22.4	68.7	140.3	183.6	204.5	192.5
92.5°	25.4	25.4	17.9	16.4	16.4	17.9	56.7	125.4	182.1	208.9	188.1
95°	22.4	23.9	16.4	14.9	16.4	16.4	41.8	100.0	168.7	171.6	176.1
97.5°	14.9	16.4	10.4	11.9	14.9	13.4	22.4	58.2	89.5	68.7	82.1
100°	9.0	10.4	7.5	9.0	10.4	10.4	11.9	25.4	22.4	14.9	14.9
102.5°	9.0	9.0	6.0	7.5	7.5	6.0	6.0	10.4	9.0	9.0	14.9
105°	9.0	9.0	6.0	6.0	4.5	4.5	4.5	7.5	7.5	9.0	14.9
107.5°	6.0	7.5	4.5	4.5	4.5	4.5	3.0	4.5	7.5	7.5	16.4
110°	4.5	4.5	3.0	3.0	3.0	4.5	3.0	4.5	6.0	7.5	11.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.0	4.5	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0	7.5
115°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	6.0	9.0
117.5°	4.5	4.5	3.0	3.0	1.5	3.0	3.0	3.0	4.5	6.0	9.0
120°	4.5	4.5	3.0	3.0	1.5	1.5	3.0	3.0	6.0	6.0	9.0
122.5°	4.5	4.5	3.0	1.5	1.5	1.5	3.0	3.0	4.5	6.0	9.0
125°	4.5	4.5	3.0	1.5	1.5	1.5	3.0	3.0	4.5	6.0	7.5
127.5°	4.5	4.5	3.0	1.5	1.5	1.5	3.0	3.0	4.5	4.5	7.5
130°	4.5	4.5	3.0	1.5	1.5	1.5	3.0	3.0	4.5	4.5	7.5
132.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0
135°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	4.5	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0
145°	6.0	6.0	6.0	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	6.0	6.0	6.0	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0
150°	6.0	7.5	6.0	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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0
7.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0
10°	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	1.5
12.5°	22.4	22.4	16.4	7.5	3.0	1.5	1.5	1.5	4.5	4.5	4.5
15°	109.0	98.5	88.1	77.6	20.9	3.0	3.0	13.4	50.7	71.6	74.6
17.5°	126.9	114.9	103.0	94.0	83.6	31.3	34.3	89.5	92.5	94.0	92.5
20°	244.8	217.9	141.8	107.5	92.5	97.0	85.1	95.5	103.0	106.0	106.0
22.5°	291.0	250.7	214.9	188.1	110.4	132.8	123.9	110.4	171.6	176.1	177.6
25°	337.3	285.1	231.3	200.0	192.5	137.3	146.3	168.7	182.1	185.1	183.6
27.5°	492.5	406.0	323.9	216.4	204.5	171.6	183.6	177.6	194.0	237.3	241.8
30°	529.8	422.4	329.8	262.7	214.9	201.5	189.5	231.3	250.7	250.7	252.2
32.5°	734.3	564.2	406.0	262.7	237.3	203.0	226.9	241.8	253.7	271.6	265.7
35°	768.6	570.1	401.5	304.5	237.3	213.4	234.3	249.2	304.5	310.4	308.9
37.5°	797.0	564.2	379.1	295.5	256.7	226.9	238.8	285.1	307.5	306.0	303.0
40°	828.3	555.2	356.7	289.5	255.2	228.4	255.2	286.6	300.0	292.5	285.1
42.5°	864.2	541.8	337.3	276.1	249.2	229.8	256.7	279.1	277.6	273.1	268.6
45°	910.4	526.8	314.9	264.2	246.3	226.9	252.2	259.7	270.1	267.2	264.2
47.5°	979.1	511.9	295.5	253.7	243.3	222.4	255.2	264.2	273.1	265.7	264.2
50°	1080.6	491.0	279.1	250.7	241.8	235.8	234.3	271.6	279.1	261.2	258.2
52.5°	1149.2	467.2	270.1	247.8	237.3	229.8	249.2	268.6	276.1	255.2	253.7
55°	1195.5	432.8	262.7	247.8	234.3	216.4	270.1	274.6	274.6	250.7	247.8
57.5°	1246.2	408.9	258.2	252.2	232.8	201.5	282.1	280.6	274.6	243.3	244.8
60°	1319.4	394.0	253.7	256.7	232.8	206.0	277.6	294.0	274.6	247.8	256.7
62.5°	1361.2	379.1	250.7	258.2	229.8	206.0	268.6	313.4	297.0	277.6	279.1
65°	1302.9	359.7	241.8	256.7	225.4	210.4	259.7	320.9	317.9	308.9	310.4
67.5°	1170.1	326.9	225.4	246.3	210.4	213.4	255.2	320.9	314.9	334.3	338.8
70°	1022.4	288.1	201.5	228.4	200.0	210.4	265.7	310.4	310.4	346.3	353.7
72.5°	865.6	235.8	174.6	208.9	200.0	204.5	277.6	298.5	298.5	346.3	344.8
75°	710.4	188.1	146.3	179.1	185.1	204.5	276.1	285.1	277.6	316.4	308.9
77.5°	519.4	149.2	125.4	150.7	167.2	204.5	267.2	265.7	253.7	271.6	268.6
80°	319.4	117.9	106.0	128.4	140.3	195.5	252.2	241.8	220.9	229.8	226.9
82.5°	185.1	88.1	89.5	109.0	111.9	179.1	228.4	210.4	188.1	192.5	188.1
85°	119.4	56.7	70.1	83.6	88.1	146.3	195.5	177.6	152.2	197.0	188.1
87.5°	92.5	32.8	47.8	55.2	53.7	64.2	111.9	106.0	104.5	85.1	82.1
90°	86.6	28.4	47.8	47.8	38.8	31.3	43.3	44.8	37.3	40.3	35.8
92.5°	77.6	28.4	50.7	47.8	34.3	25.4	35.8	35.8	28.4	26.9	25.4
95°	64.2	25.4	53.7	49.3	31.3	22.4	29.8	28.4	22.4	20.9	19.4
97.5°	34.3	16.4	50.7	44.8	28.4	20.9	26.9	23.9	16.4	14.9	13.4
100°	11.9	10.4	49.3	38.8	23.9	16.4	19.4	17.9	10.4	9.0	7.5
102.5°	10.4	9.0	28.4	28.4	14.9	9.0	11.9	11.9	9.0	7.5	7.5
105°	11.9	9.0	10.4	14.9	7.5	4.5	6.0	7.5	7.5	9.0	9.0
107.5°	11.9	9.0	7.5	7.5	6.0	4.5	4.5	4.5	7.5	9.0	9.0
110°	10.4	9.0	6.0	7.5	6.0	4.5	4.5	4.5	7.5	10.4	10.4

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	7.5	6.0	6.0	4.5	4.5	4.5	4.5	7.5	10.4	11.9
115°	7.5	7.5	4.5	4.5	4.5	4.5	3.0	4.5	7.5	11.9	13.4
117.5°	9.0	7.5	4.5	4.5	3.0	3.0	3.0	4.5	9.0	13.4	14.9
120°	9.0	7.5	4.5	4.5	3.0	3.0	3.0	4.5	9.0	14.9	14.9
122.5°	9.0	7.5	4.5	4.5	3.0	3.0	3.0	4.5	9.0	14.9	14.9
125°	7.5	7.5	4.5	4.5	3.0	3.0	3.0	4.5	9.0	14.9	14.9
127.5°	7.5	6.0	4.5	3.0	3.0	3.0	3.0	4.5	9.0	13.4	14.9
130°	6.0	6.0	4.5	3.0	3.0	3.0	3.0	4.5	9.0	13.4	13.4
132.5°	6.0	6.0	4.5	3.0	3.0	3.0	3.0	4.5	7.5	11.9	11.9
135°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	4.5	6.0	9.0	9.0
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
142.5°	3.0	3.0	3.0	3.0	3.0	1.5	3.0	3.0	4.5	4.5	4.5
145°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	4.5	4.5	3.0
147.5°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	3.0	4.5	4.5	3.0
150°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	3.0	4.5	4.5	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)