

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: P694891

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694891
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-PA16-30-750-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA 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: 3501.1 lumens
Efficiency: N/A
Efficacy: 119.9 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

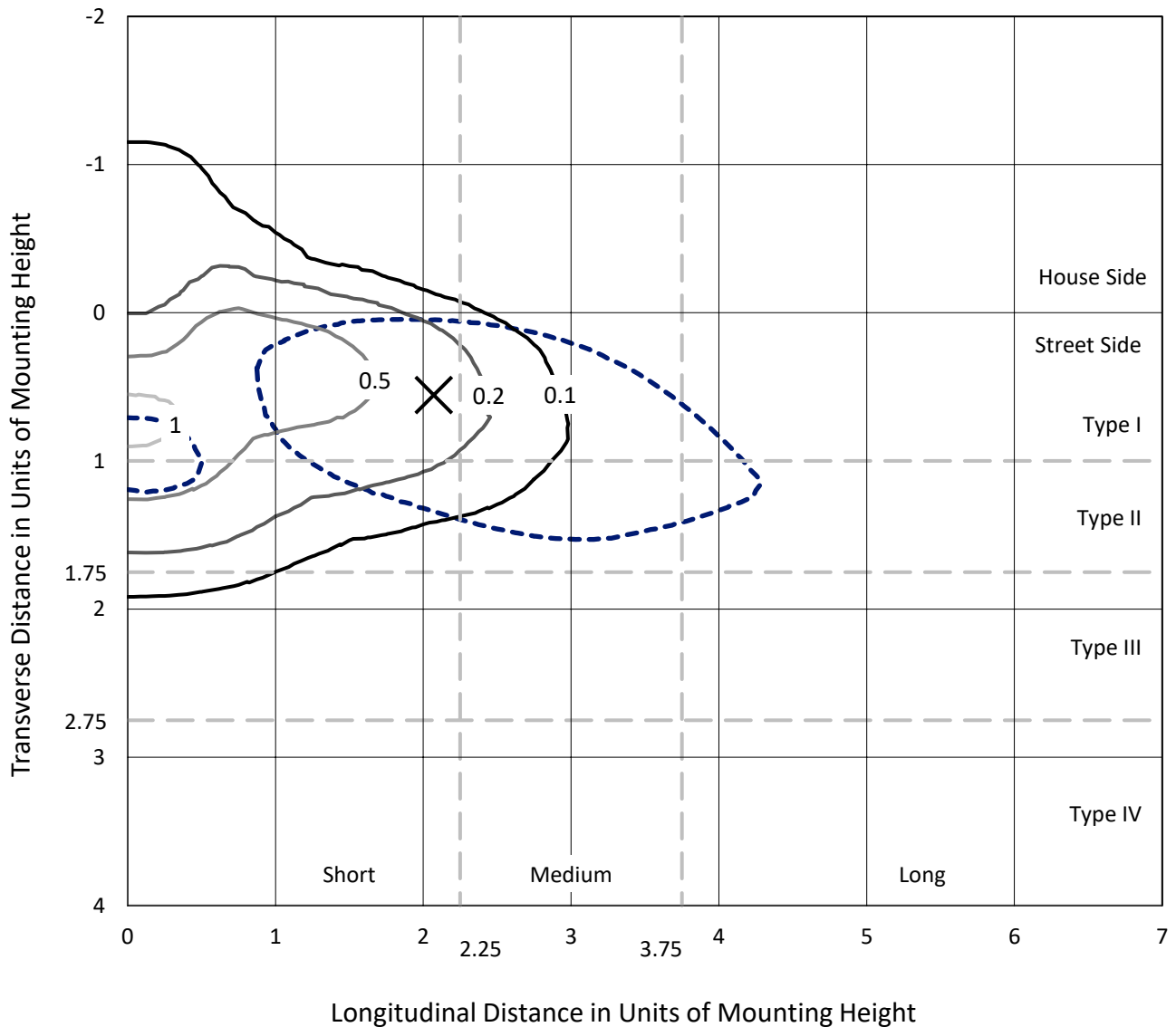
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

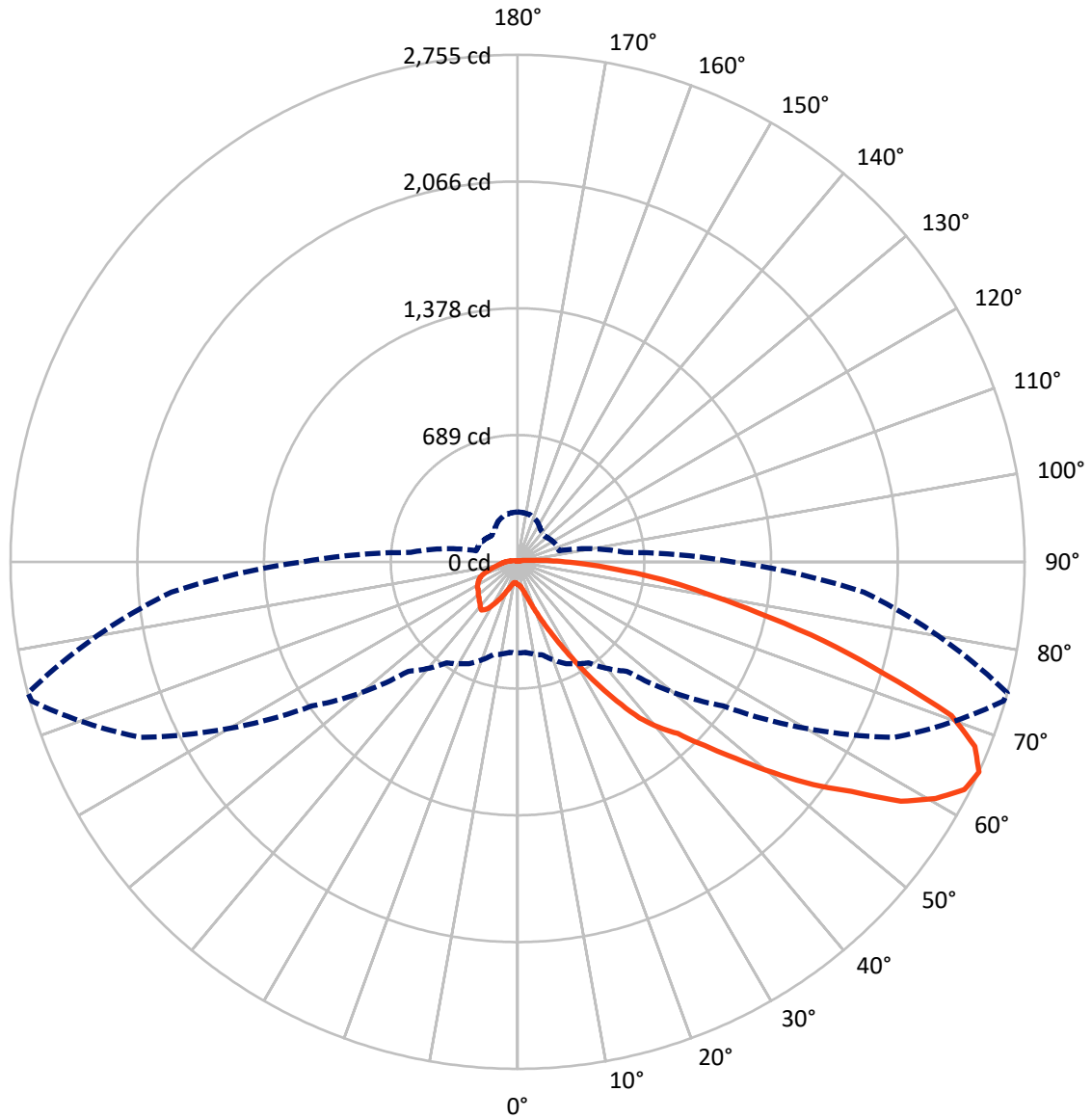
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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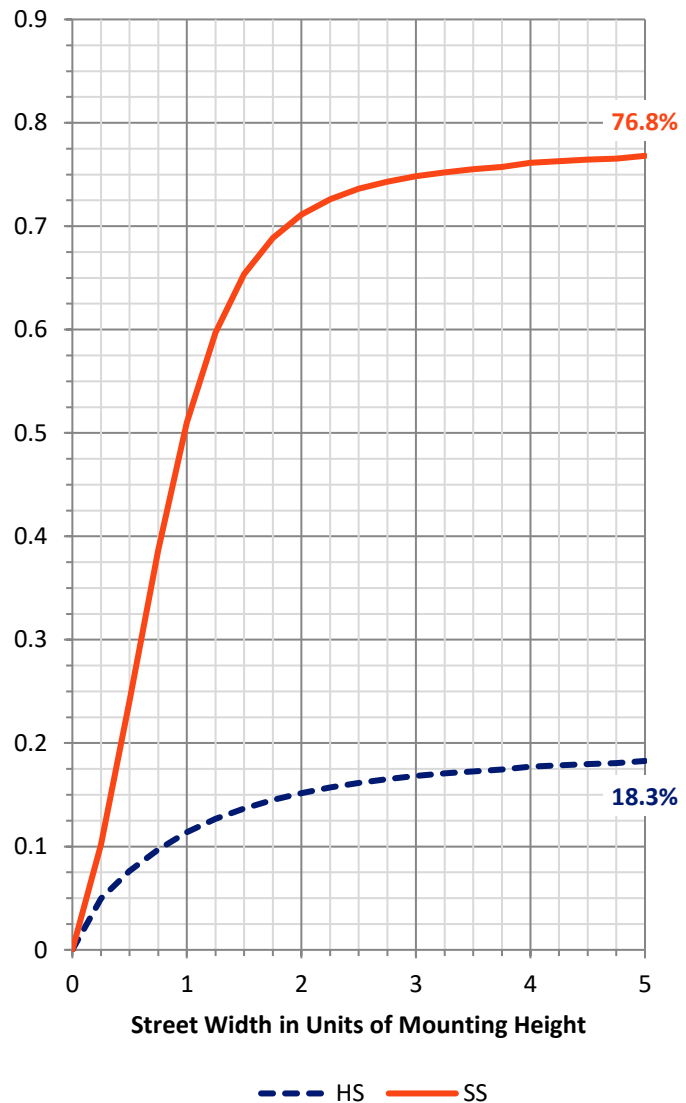
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.3	53.2	723.6
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	2724.0	53.4	2777.5
	% Fixture	77.8	1.5	79.3
Total	Lumens	3394.4	106.7	3501.1
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.4
10°-20°	53.4	1.5
20°-30°	166.8	4.8
30°-40°	396.6	11.3
40°-50°	614.1	17.5
50°-60°	766.2	21.9
60°-70°	749.7	21.4
70°-80°	456.0	13.0
80°-90°	179.1	5.1
90°-100°	55.9	1.6
100°-110°	22.3	0.6
110°-120°	12.3	0.4
120°-130°	8.1	0.2
130°-140°	5.4	0.2
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3394.4	97.0
0°-180°	3501.1	100.0

Coefficient of Utilization

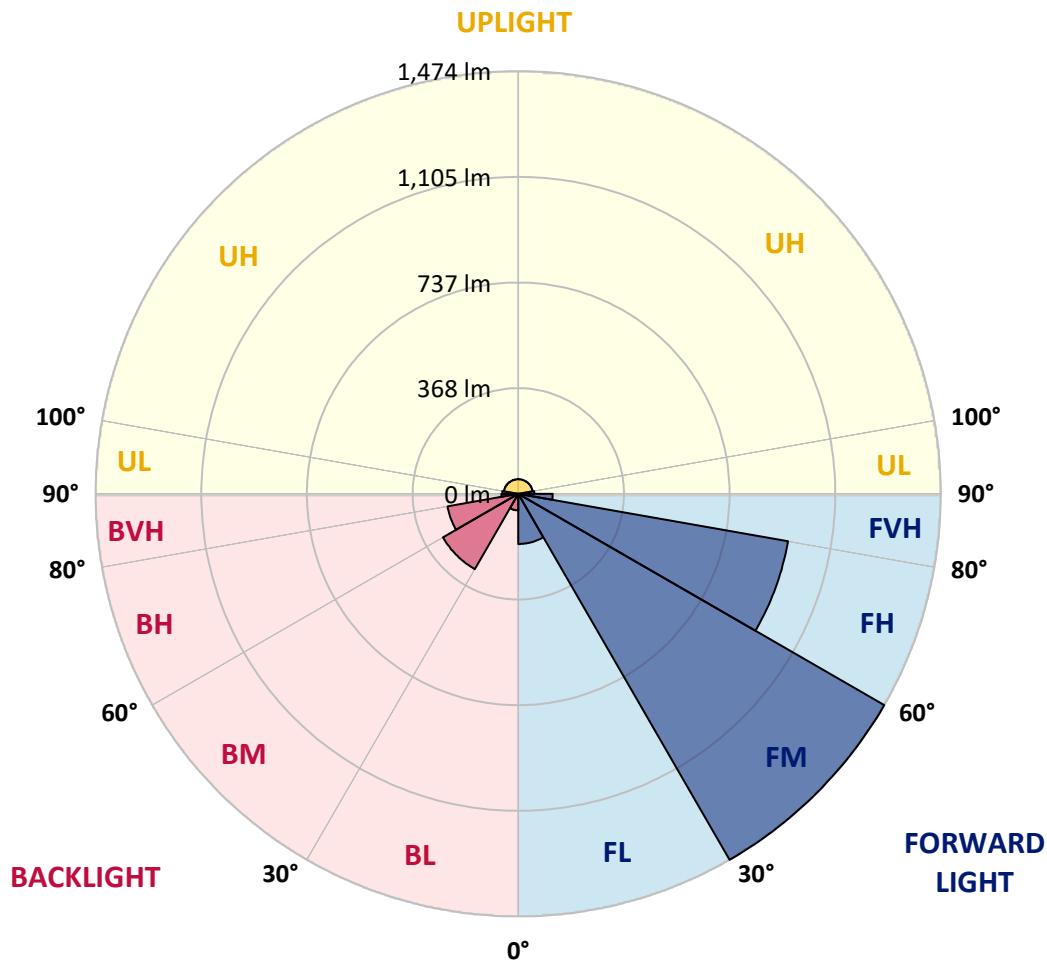


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.0	5.0			
FM (30°-60°)	1473.7	42.1			
FH (60°-80°)	955.2	27.3			G1/1800
FVH (80°-90°)	120.2	3.4			G2/225
BL (0°-30°)	57.7	1.6	B0/110		
BM (30°-60°)	303.3	8.7	B1/1000		
BH (60°-80°)	250.5	7.2	B1/500		G1/500
BVH (80°-90°)	58.9	1.7			G1/100
UL (90°-100°)	55.9	1.6		U3/500	
UH (100°-180°)	50.8	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°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	135.9	137.2	135.9	134.6	133.3	132.0	129.4	128.1	125.5	125.5	122.9
5°	157.9	157.9	157.9	154.0	151.4	148.8	142.4	137.2	132.0	130.7	126.8
7.5°	185.1	182.5	181.2	177.3	172.1	167.0	157.9	148.8	141.1	139.8	132.0
10°	217.4	216.1	214.8	209.7	200.6	191.5	178.6	167.0	154.0	152.7	139.8
12.5°	261.4	260.1	255.0	248.5	235.5	221.3	205.8	191.5	174.7	173.4	155.3
15°	309.3	310.6	306.7	293.8	280.8	261.4	243.3	226.5	208.4	203.2	179.9
17.5°	381.8	380.5	371.4	349.4	333.9	313.2	289.9	267.9	245.9	242.0	212.2
20°	460.7	463.3	450.4	419.3	394.7	370.1	350.7	318.4	296.4	293.8	252.4
22.5°	561.7	568.1	541.0	509.9	468.5	440.0	420.6	389.6	358.5	358.5	305.4
25°	693.7	696.3	660.0	609.6	557.8	513.8	497.0	477.6	441.3	436.1	374.0
27.5°	829.6	837.3	794.6	728.6	651.0	597.9	587.6	577.2	533.2	531.9	445.2
30°	1040.5	1036.6	964.2	869.7	757.1	687.2	680.7	692.4	651.0	645.8	538.4
32.5°	1232.1	1225.6	1147.9	1023.7	869.7	786.9	776.5	815.3	786.9	785.6	644.5
35°	1390.0	1380.9	1311.0	1171.2	991.3	878.8	885.2	949.9	935.7	929.2	741.6
37.5°	1463.7	1479.3	1419.7	1283.8	1096.2	973.2	1003.0	1098.8	1085.8	1076.8	847.7
40°	1514.2	1534.9	1472.8	1344.7	1168.7	1057.4	1105.2	1221.7	1194.5	1182.9	893.0
42.5°	1532.3	1549.1	1507.7	1379.6	1212.7	1120.8	1184.2	1312.3	1295.5	1276.1	957.7
45°	1520.7	1541.4	1509.0	1395.1	1234.7	1159.6	1242.4	1427.5	1440.4	1424.9	1049.6
47.5°	1475.4	1498.7	1487.0	1395.1	1241.1	1179.0	1312.3	1573.7	1603.5	1595.7	1150.5
50°	1353.7	1379.6	1400.3	1368.0	1234.7	1185.5	1390.0	1718.7	1806.7	1801.5	1290.3
52.5°	1255.4	1276.1	1283.8	1282.5	1210.1	1194.5	1463.7	1907.6	2018.9	2011.2	1415.8
55°	1123.4	1136.3	1173.8	1164.8	1128.5	1181.6	1519.4	2046.1	2210.5	2201.4	1559.5
57.5°	895.6	917.6	987.5	1061.2	1027.6	1138.9	1544.0	2171.7	2466.7	2455.1	1725.2
60°	762.3	768.7	808.9	878.8	925.3	1053.5	1534.9	2301.1	2620.7	2610.4	1800.2
62.5°	621.2	625.1	675.6	735.1	801.1	959.0	1481.8	2308.8	2720.4	2725.6	1874.0
65°	495.7	494.4	524.1	609.6	670.4	841.2	1366.7	2257.1	2746.3	2755.3	1888.2
67.5°	377.9	389.6	428.4	472.4	555.2	705.3	1202.3	2121.2	2676.4	2679.0	1830.0
70°	260.1	265.3	301.5	371.4	433.6	585.0	1021.1	1911.5	2500.4	2500.4	1664.3
72.5°	187.7	194.1	212.2	257.5	335.2	458.1	843.8	1641.0	2106.9	2086.2	1393.8
75°	139.8	141.1	157.9	185.1	236.8	357.2	656.2	1290.3	1710.9	1717.4	1145.4
77.5°	108.7	110.0	117.8	137.2	173.4	260.1	487.9	995.2	1333.0	1335.6	883.9
80°	90.6	91.9	95.8	106.1	129.4	186.4	358.5	749.3	1030.2	1031.5	688.5
82.5°	75.1	76.4	80.2	86.7	100.9	138.5	257.5	573.3	780.4	790.8	516.4
85°	63.4	64.7	67.3	72.5	82.8	107.4	186.4	411.6	550.0	546.1	357.2
87.5°	51.8	51.8	55.7	59.5	67.3	86.7	137.2	282.1	372.7	368.8	248.5
90°	38.8	40.1	42.7	47.9	55.7	68.6	99.7	185.1	231.7	231.7	157.9
92.5°	28.5	28.5	32.4	37.5	44.0	55.7	72.5	117.8	138.5	139.8	102.2
95°	20.7	20.7	23.3	25.9	33.6	44.0	53.1	72.5	85.4	82.8	69.9
97.5°	16.8	16.8	18.1	20.7	25.9	34.9	41.4	51.8	56.9	56.9	51.8
100°	14.2	14.2	15.5	15.5	20.7	28.5	33.6	37.5	41.4	42.7	41.4
102.5°	11.6	12.9	12.9	12.9	16.8	24.6	27.2	29.8	32.4	32.4	32.4
105°	10.4	10.4	11.6	11.6	14.2	20.7	23.3	24.6	25.9	25.9	25.9
107.5°	9.1	9.1	10.4	10.4	12.9	18.1	19.4	19.4	20.7	20.7	20.7
110°	9.1	9.1	9.1	9.1	11.6	15.5	15.5	15.5	15.5	15.5	16.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.8	7.8	9.1	9.1	10.4	14.2	14.2	12.9	12.9	12.9	15.5
115°	7.8	7.8	7.8	9.1	10.4	11.6	11.6	11.6	11.6	11.6	12.9
117.5°	7.8	7.8	7.8	9.1	9.1	11.6	10.4	10.4	10.4	10.4	11.6
120°	7.8	7.8	7.8	7.8	9.1	10.4	10.4	9.1	9.1	9.1	10.4
122.5°	7.8	7.8	7.8	7.8	9.1	9.1	9.1	7.8	7.8	7.8	10.4
125°	7.8	7.8	9.1	9.1	9.1	9.1	9.1	7.8	7.8	7.8	9.1
127.5°	9.1	9.1	9.1	9.1	7.8	9.1	7.8	7.8	7.8	7.8	9.1
130°	10.4	10.4	10.4	9.1	7.8	7.8	7.8	7.8	7.8	7.8	9.1
132.5°	10.4	10.4	10.4	9.1	7.8	7.8	6.5	6.5	7.8	7.8	7.8
135°	10.4	10.4	9.1	7.8	7.8	6.5	6.5	6.5	6.5	6.5	7.8
137.5°	9.1	9.1	9.1	7.8	6.5	6.5	5.2	5.2	6.5	6.5	6.5
140°	7.8	7.8	7.8	6.5	5.2	5.2	3.9	3.9	5.2	5.2	5.2
142.5°	6.5	6.5	6.5	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2
145°	5.2	5.2	5.2	3.9	3.9	3.9	2.6	2.6	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	3.9	3.9	3.9	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6
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°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	122.9	121.7	119.1	117.8	115.2	113.9	112.6	111.3	112.6	111.3	111.3
5°	124.2	121.7	116.5	111.3	107.4	104.8	102.2	99.7	99.7	98.4	97.1
7.5°	126.8	122.9	113.9	107.4	99.7	94.5	90.6	88.0	86.7	85.4	85.4
10°	133.3	126.8	115.2	103.5	94.5	86.7	81.5	78.9	76.4	76.4	76.4
12.5°	146.2	138.5	120.4	103.5	90.6	81.5	75.1	72.5	72.5	72.5	72.5
15°	168.2	155.3	132.0	110.0	91.9	78.9	75.1	76.4	78.9	81.5	80.2
17.5°	195.4	179.9	147.5	119.1	97.1	85.4	82.8	86.7	90.6	93.2	94.5
20°	229.1	205.8	164.4	128.1	106.1	98.4	95.8	99.7	104.8	108.7	108.7
22.5°	273.1	242.0	186.4	141.1	119.1	111.3	108.7	112.6	119.1	122.9	122.9
25°	328.7	286.0	213.5	157.9	133.3	121.7	121.7	126.8	135.9	141.1	142.4
27.5°	390.8	332.6	238.1	178.6	148.8	133.3	134.6	144.9	155.3	163.1	163.1
30°	458.1	388.3	266.6	196.7	160.5	144.9	146.2	159.2	173.4	183.8	182.5
32.5°	538.4	446.5	296.4	214.8	172.1	154.0	157.9	177.3	194.1	207.1	205.8
35°	619.9	497.0	315.8	231.7	182.5	161.8	168.2	192.8	212.2	223.9	223.9
37.5°	683.3	538.4	327.4	240.7	191.5	168.2	176.0	203.2	223.9	234.2	233.0
40°	705.3	538.4	318.4	242.0	195.4	173.4	182.5	208.4	226.5	233.0	229.1
42.5°	739.0	548.7	305.4	234.2	196.7	177.3	185.1	208.4	220.0	221.3	218.7
45°	786.9	565.6	296.4	229.1	194.1	178.6	185.1	204.5	218.7	222.6	220.0
47.5°	847.7	582.4	286.0	226.5	194.1	178.6	185.1	208.4	222.6	222.6	220.0
50°	925.3	609.6	280.8	227.8	198.0	179.9	189.0	213.5	226.5	223.9	222.6
52.5°	984.9	616.0	271.8	231.7	201.9	182.5	192.8	218.7	230.4	225.2	223.9
55°	1062.5	631.6	261.4	231.7	208.4	189.0	198.0	223.9	233.0	226.5	225.2
57.5°	1142.8	648.4	260.1	230.4	211.0	194.1	203.2	227.8	235.5	230.4	229.1
60°	1164.8	629.0	252.4	234.2	212.2	199.3	207.1	231.7	243.3	240.7	240.7
62.5°	1182.9	613.4	243.3	233.0	216.1	199.3	211.0	238.1	256.2	256.2	256.2
65°	1169.9	583.7	233.0	227.8	214.8	200.6	216.1	245.9	264.0	269.2	270.5
67.5°	1115.6	542.3	222.6	220.0	208.4	200.6	217.4	245.9	267.9	275.7	275.7
70°	999.1	473.7	204.5	204.5	199.3	192.8	213.5	242.0	260.1	269.2	269.2
72.5°	837.3	392.1	177.3	183.8	182.5	181.2	203.2	229.1	240.7	248.5	247.2
75°	666.5	315.8	154.0	156.6	159.2	163.1	186.4	207.1	211.0	217.4	216.1
77.5°	522.9	252.4	130.7	133.3	135.9	144.9	167.0	179.9	182.5	186.4	185.1
80°	409.0	207.1	112.6	112.6	116.5	125.5	143.7	155.3	160.5	163.1	159.2
82.5°	318.4	169.5	99.7	95.8	99.7	107.4	121.7	132.0	135.9	135.9	134.6
85°	226.5	135.9	88.0	82.8	84.1	91.9	104.8	111.3	113.9	112.6	110.0
87.5°	165.7	111.3	77.7	69.9	71.2	81.5	90.6	94.5	95.8	97.1	94.5
90°	116.5	89.3	67.3	58.2	58.2	68.6	77.7	78.9	80.2	80.2	78.9
92.5°	82.8	69.9	55.7	47.9	47.9	56.9	63.4	62.1	63.4	62.1	59.5
95°	60.8	54.4	46.6	38.8	37.5	44.0	46.6	45.3	46.6	45.3	45.3
97.5°	47.9	44.0	38.8	32.4	29.8	33.6	34.9	34.9	37.5	34.9	34.9
100°	38.8	36.2	33.6	27.2	24.6	27.2	28.5	29.8	31.1	29.8	29.8
102.5°	32.4	31.1	28.5	24.6	22.0	23.3	24.6	25.9	27.2	27.2	25.9
105°	25.9	25.9	24.6	20.7	19.4	19.4	20.7	22.0	24.6	24.6	24.6
107.5°	20.7	22.0	20.7	18.1	16.8	16.8	18.1	19.4	20.7	22.0	22.0
110°	18.1	18.1	18.1	15.5	15.5	15.5	15.5	16.8	19.4	20.7	20.7

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 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	15.5	15.5	14.2	14.2	14.2	14.2	14.2	16.8	18.1	19.4
115°	14.2	14.2	14.2	12.9	12.9	12.9	12.9	12.9	15.5	16.8	16.8
117.5°	12.9	12.9	12.9	11.6	11.6	11.6	11.6	11.6	12.9	15.5	15.5
120°	11.6	11.6	11.6	10.4	10.4	10.4	10.4	10.4	11.6	14.2	14.2
122.5°	10.4	10.4	10.4	10.4	9.1	9.1	9.1	9.1	10.4	12.9	12.9
125°	9.1	10.4	9.1	9.1	9.1	9.1	7.8	9.1	10.4	11.6	11.6
127.5°	9.1	9.1	9.1	9.1	7.8	7.8	7.8	7.8	9.1	10.4	10.4
130°	9.1	9.1	9.1	7.8	7.8	6.5	6.5	7.8	7.8	9.1	9.1
132.5°	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5	7.8	7.8	7.8
135°	7.8	7.8	6.5	6.5	6.5	5.2	5.2	5.2	6.5	7.8	7.8
137.5°	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2	6.5	6.5	6.5
140°	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2	5.2	5.2
145°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	2.6	2.6	2.6	2.6
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)