

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: P695178

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-750-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4450 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

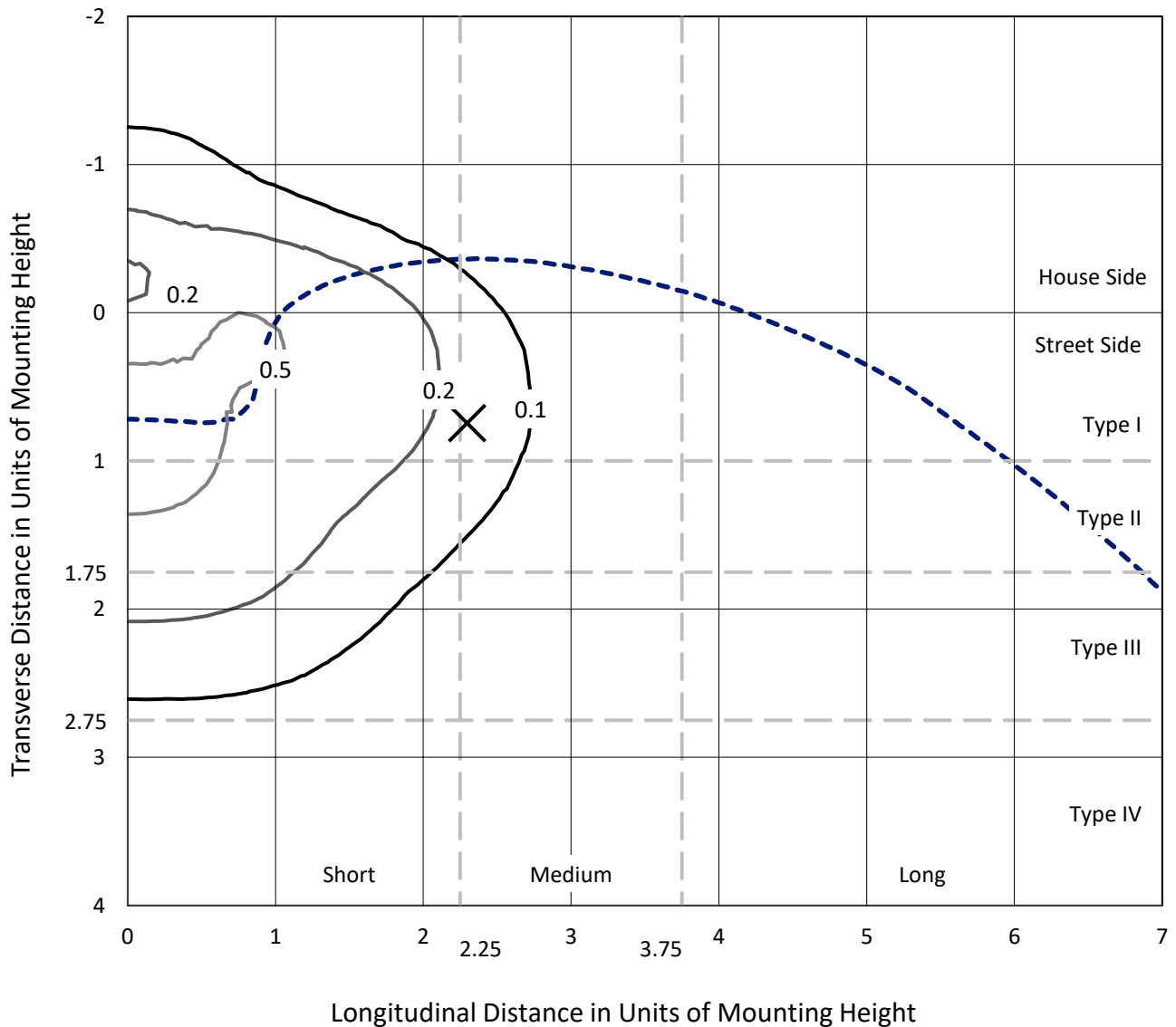
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

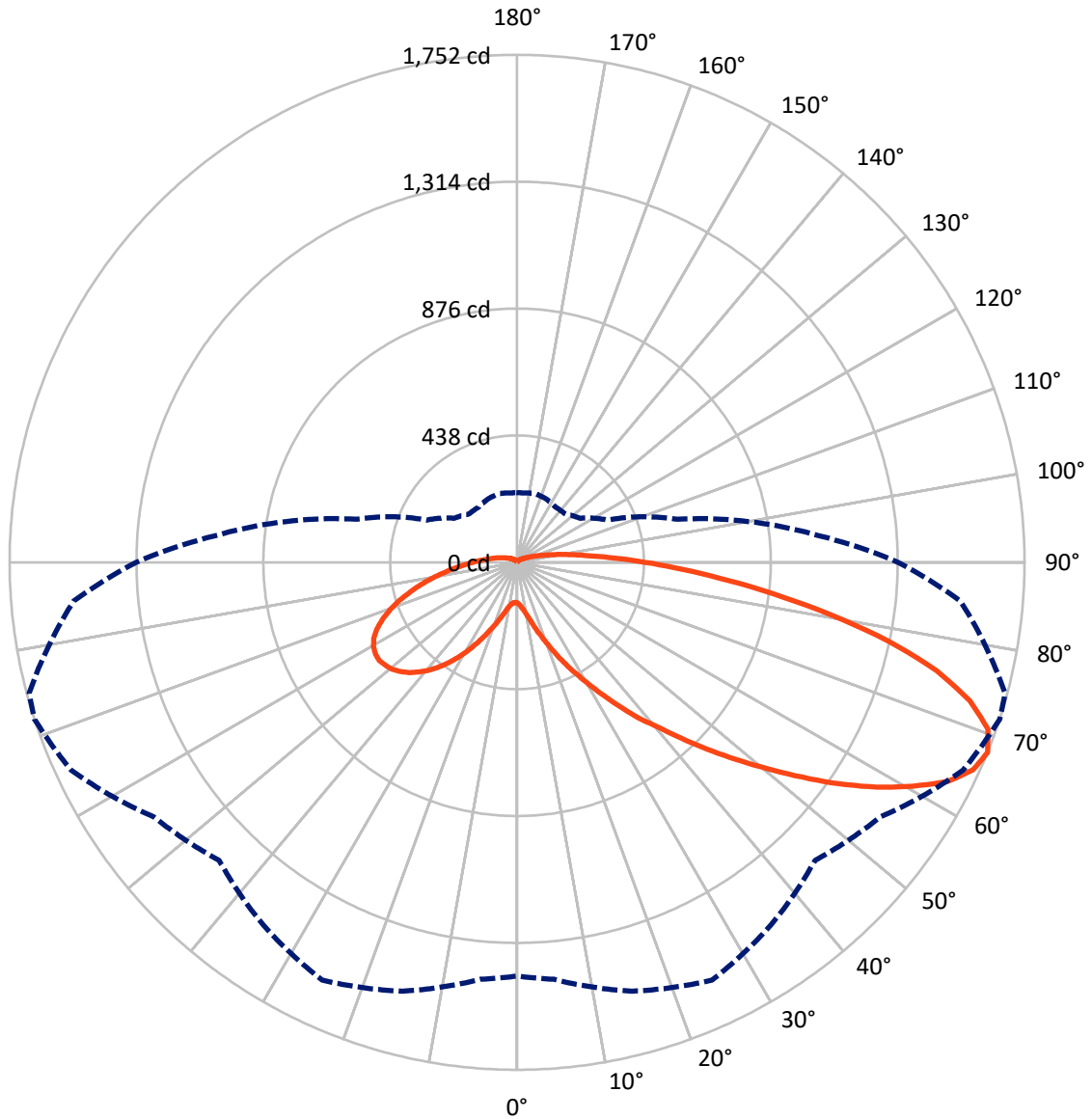
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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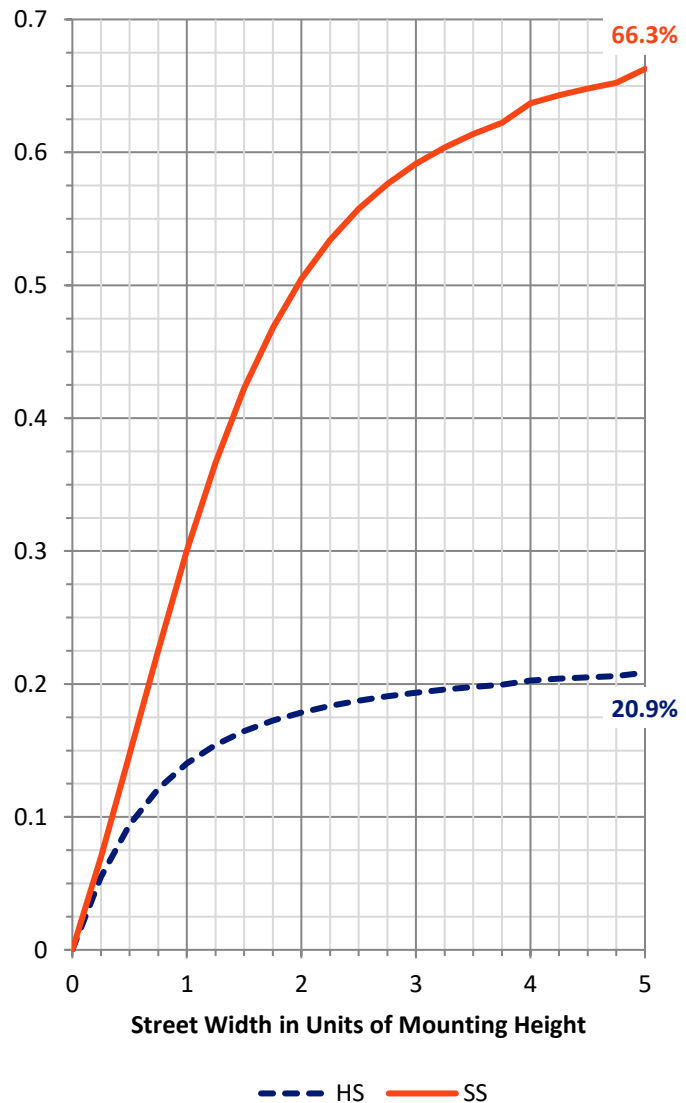
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	983.0	131.7	1114.7
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	3115.6	219.7	3335.3
	% Fixture	70.0	4.9	75.0
Total	Lumens	4098.6	351.4	4450.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.3
10°-20°	61.1	1.4
20°-30°	156.3	3.5
30°-40°	313.9	7.1
40°-50°	528.4	11.9
50°-60°	780.5	17.5
60°-70°	961.7	21.6
70°-80°	830.3	18.7
80°-90°	451.8	10.2
90°-100°	192.0	4.3
100°-110°	84.1	1.9
110°-120°	40.5	0.9
120°-130°	20.7	0.5
130°-140°	10.0	0.2
140°-150°	3.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4098.6	92.1
0°-180°	4450.0	100.0

Coefficient of Utilization

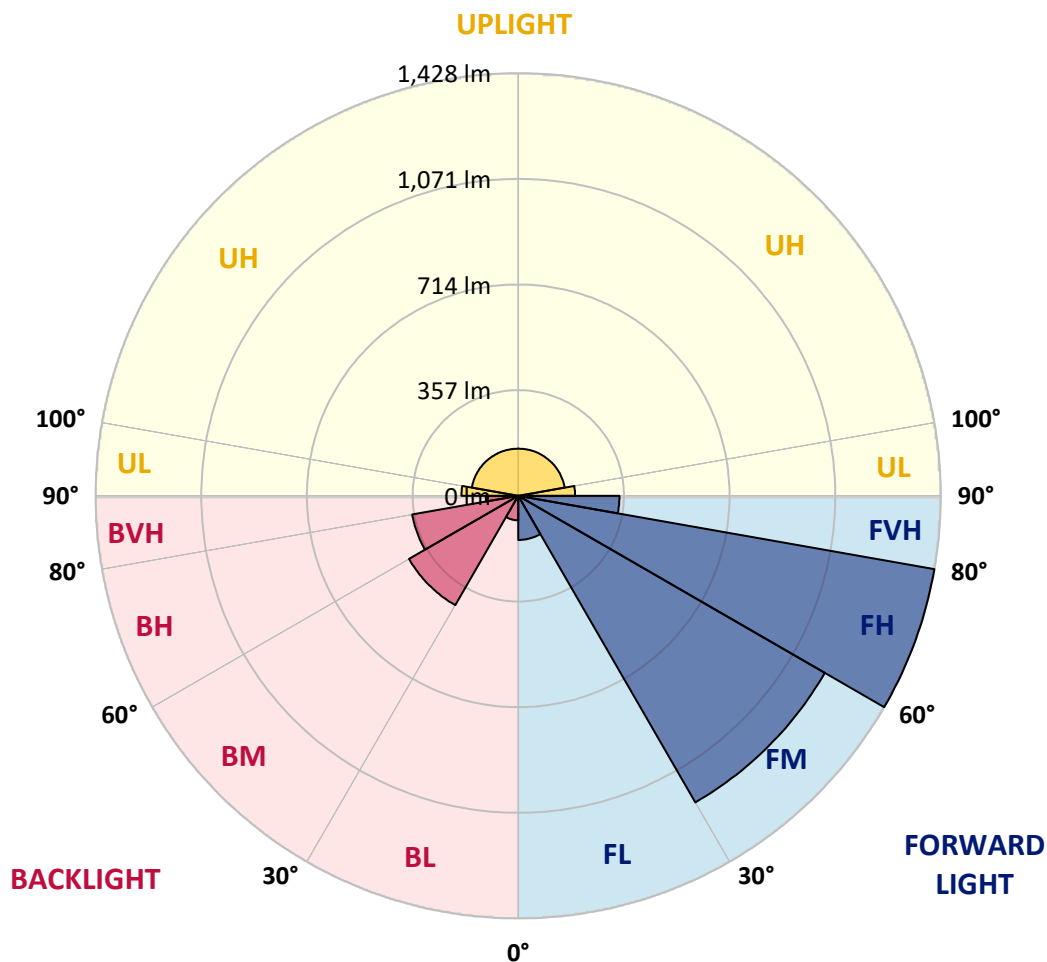


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.2	3.4			
FM (30°-60°)	1196.4	26.9			
FH (60°-80°)	1428.2	32.1			G1/1800
FVH (80°-90°)	341.9	7.7			G3/500
BL (0°-30°)	82.9	1.9	B0/110		
BM (30°-60°)	426.4	9.6	B1/1000		
BH (60°-80°)	363.8	8.2	B1/500		G1/500
BVH (80°-90°)	109.9	2.5			G2/225
UL (90°-100°)	192.0	4.3		U3/500	
UH (100°-180°)	159.4	3.6		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	153.7	153.7	153.7	152.0	150.4	150.4	148.8	147.1	145.5	143.9	142.2
5°	171.6	171.6	170.0	170.0	166.7	165.1	161.8	156.9	155.3	153.7	148.8
7.5°	194.5	194.5	191.3	191.3	186.4	183.1	178.2	171.6	166.7	165.1	158.6
10°	220.7	219.1	219.1	214.2	209.2	206.0	197.8	189.6	184.7	181.5	173.3
12.5°	255.0	253.4	250.1	245.2	238.7	230.5	222.3	214.2	206.0	202.7	192.9
15°	292.6	292.6	289.3	281.2	273.0	261.6	251.7	241.9	235.4	232.1	219.1
17.5°	336.8	335.1	331.9	322.0	309.0	297.5	286.1	274.6	266.5	263.2	248.5
20°	390.7	389.1	379.3	364.5	353.1	336.8	322.0	309.0	302.4	299.2	282.8
22.5°	449.6	446.3	436.5	418.5	395.6	379.3	362.9	349.8	343.3	338.4	323.7
25°	516.6	511.7	498.6	470.8	444.6	421.8	405.4	392.3	389.1	385.8	366.2
27.5°	590.1	586.9	568.9	534.6	498.6	472.4	451.2	443.0	436.5	433.2	412.0
30°	675.1	670.2	642.5	603.2	555.8	518.2	498.6	493.7	488.8	490.4	470.8
32.5°	758.5	758.5	724.2	671.9	613.0	568.9	546.0	549.3	547.6	547.6	524.7
35°	848.4	850.1	807.6	750.3	673.5	622.8	599.9	608.1	611.4	609.8	586.9
37.5°	943.2	940.0	897.5	825.5	737.3	675.1	655.5	667.0	681.7	676.8	655.5
40°	1047.9	1041.3	1000.5	907.3	807.6	732.4	714.4	737.3	747.1	753.6	724.2
42.5°	1142.7	1139.4	1092.0	995.6	877.9	792.8	773.2	804.3	830.4	832.1	802.7
45°	1235.9	1229.3	1190.1	1082.2	946.5	861.5	845.2	889.3	920.4	923.6	890.9
47.5°	1320.9	1320.9	1276.7	1170.5	1031.5	930.2	918.7	977.6	1016.8	1020.1	984.1
50°	1409.1	1405.9	1368.3	1260.4	1111.6	1005.4	1000.5	1075.7	1119.8	1124.7	1077.3
52.5°	1474.5	1474.5	1450.0	1348.7	1188.5	1078.9	1087.1	1175.4	1232.6	1245.7	1183.5
55°	1531.7	1533.4	1517.0	1425.5	1276.7	1159.0	1170.5	1281.6	1350.3	1368.3	1289.8
57.5°	1569.3	1571.0	1575.9	1504.0	1353.6	1232.6	1262.0	1394.4	1464.7	1479.4	1391.2
60°	1584.1	1589.0	1611.8	1564.4	1422.2	1309.4	1348.7	1495.8	1569.3	1585.7	1472.9
62.5°	1569.3	1577.5	1623.3	1606.9	1484.3	1374.8	1427.1	1589.0	1667.4	1674.0	1538.3
65°	1525.2	1535.0	1597.1	1616.8	1520.3	1427.1	1495.8	1660.9	1729.5	1731.2	1559.5
67.5°	1428.8	1445.1	1533.4	1592.2	1528.5	1454.9	1531.7	1698.5	1752.4	1744.3	1536.6
70°	1311.1	1324.1	1425.5	1520.3	1499.1	1450.0	1536.6	1690.3	1724.6	1705.0	1459.8
72.5°	1147.6	1162.3	1281.6	1405.9	1423.9	1410.8	1495.8	1634.7	1634.7	1605.3	1340.5
75°	971.0	998.8	1105.1	1252.2	1317.6	1324.1	1415.7	1520.3	1497.4	1454.9	1172.1
77.5°	799.4	809.2	913.8	1077.3	1162.3	1201.5	1283.3	1353.6	1312.7	1262.0	993.9
80°	635.9	644.1	738.9	889.3	997.2	1064.2	1131.2	1154.1	1096.9	1046.2	810.8
82.5°	493.7	503.5	588.5	720.9	828.8	895.8	951.4	956.3	889.3	843.5	645.7
85°	371.1	380.9	452.8	570.5	671.9	742.2	776.5	773.2	699.7	662.1	500.2
87.5°	287.7	286.1	344.9	438.1	532.9	588.5	614.7	593.4	542.7	510.0	384.2
90°	214.2	220.7	266.5	341.7	415.2	462.6	483.9	459.4	416.9	390.7	295.9
92.5°	165.1	168.4	209.2	266.5	328.6	369.4	384.2	356.4	315.5	300.8	227.2
95°	129.1	132.4	161.8	209.2	255.0	286.1	294.3	273.0	240.3	228.9	176.6
97.5°	104.6	106.3	127.5	166.7	202.7	227.2	230.5	209.2	188.0	174.9	139.0
100°	83.4	83.4	103.0	132.4	160.2	179.8	178.2	165.1	147.1	137.3	107.9
102.5°	68.7	68.7	83.4	109.5	130.8	145.5	145.5	129.1	114.4	106.3	85.0
105°	57.2	57.2	68.7	88.3	107.9	119.3	117.7	104.6	89.9	83.4	67.0
107.5°	49.0	49.0	57.2	73.6	88.3	98.1	96.4	83.4	71.9	67.0	55.6
110°	42.5	42.5	49.0	62.1	75.2	81.7	80.1	67.0	57.2	53.9	45.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	36.0	37.6	40.9	52.3	63.8	70.3	67.0	55.6	45.8	42.5	39.2
115°	32.7	32.7	36.0	44.1	53.9	58.9	55.6	45.8	37.6	36.0	32.7
117.5°	29.4	29.4	32.7	39.2	47.4	50.7	47.4	37.6	32.7	29.4	27.8
120°	26.2	26.2	27.8	34.3	39.2	42.5	39.2	31.1	26.2	26.2	24.5
122.5°	24.5	24.5	26.2	29.4	34.3	36.0	32.7	26.2	22.9	22.9	22.9
125°	21.3	22.9	22.9	26.2	29.4	31.1	27.8	22.9	19.6	19.6	19.6
127.5°	19.6	19.6	21.3	22.9	24.5	26.2	22.9	19.6	18.0	16.3	18.0
130°	18.0	18.0	18.0	19.6	21.3	21.3	19.6	16.3	14.7	14.7	16.3
132.5°	16.3	16.3	16.3	16.3	18.0	18.0	16.3	13.1	13.1	13.1	14.7
135°	14.7	14.7	14.7	14.7	14.7	14.7	13.1	11.4	11.4	11.4	13.1
137.5°	13.1	13.1	13.1	13.1	11.4	11.4	9.8	9.8	9.8	9.8	11.4
140°	11.4	11.4	11.4	9.8	9.8	8.2	8.2	8.2	8.2	8.2	9.8
142.5°	9.8	9.8	9.8	8.2	6.5	6.5	6.5	6.5	6.5	6.5	8.2
145°	8.2	8.2	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9	6.5
147.5°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	4.9	4.9	3.3	3.3	3.3	1.6	1.6	3.3	3.3	3.3	3.3
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°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	142.2	140.6	139.0	137.3	135.7	135.7	134.0	132.4	132.4	132.4	130.8
5°	147.1	143.9	140.6	137.3	132.4	130.8	127.5	125.9	124.2	122.6	122.6
7.5°	155.3	152.0	145.5	139.0	134.0	129.1	124.2	121.0	119.3	117.7	117.7
10°	168.4	163.5	153.7	145.5	137.3	130.8	125.9	121.0	119.3	117.7	116.1
12.5°	186.4	181.5	168.4	155.3	145.5	135.7	129.1	124.2	121.0	119.3	119.3
15°	212.5	204.3	188.0	171.6	156.9	145.5	137.3	132.4	130.8	129.1	129.1
17.5°	240.3	228.9	210.9	189.6	173.3	158.6	148.8	145.5	142.2	140.6	140.6
20°	273.0	259.9	237.0	210.9	189.6	174.9	163.5	156.9	153.7	152.0	152.0
22.5°	309.0	297.5	264.8	235.4	209.2	192.9	176.6	168.4	165.1	163.5	165.1
25°	351.5	335.1	297.5	261.6	230.5	207.6	191.3	179.8	178.2	176.6	178.2
27.5°	398.9	377.6	333.5	286.1	250.1	222.3	204.3	192.9	191.3	189.6	191.3
30°	449.6	429.9	371.1	315.5	269.7	235.4	215.8	206.0	202.7	204.3	202.7
32.5°	505.1	474.1	408.7	341.7	286.1	245.2	224.0	215.8	215.8	217.4	217.4
35°	565.6	531.3	446.3	366.2	299.2	255.0	232.1	225.6	225.6	228.9	228.9
37.5°	626.1	585.2	483.9	385.8	309.0	259.9	238.7	233.8	233.8	238.7	238.7
40°	691.5	642.5	518.2	403.8	317.1	264.8	241.9	240.3	241.9	246.8	246.8
42.5°	761.8	698.0	549.3	416.9	320.4	266.5	245.2	245.2	248.5	251.7	253.4
45°	835.3	758.5	580.3	425.0	322.0	266.5	246.8	246.8	253.4	256.7	256.7
47.5°	915.5	819.0	604.9	429.9	320.4	264.8	246.8	250.1	255.0	258.3	258.3
50°	1002.1	884.4	627.7	429.9	317.1	263.2	246.8	250.1	256.7	258.3	258.3
52.5°	1087.1	948.1	642.5	425.0	312.2	259.9	245.2	250.1	256.7	256.7	256.7
55°	1177.0	1008.6	655.5	418.5	305.7	256.7	243.6	250.1	255.0	255.0	255.0
57.5°	1248.9	1057.7	657.2	408.7	299.2	253.4	241.9	248.5	253.4	251.7	251.7
60°	1311.1	1092.0	652.3	395.6	291.0	248.5	240.3	246.8	251.7	248.5	248.5
62.5°	1351.9	1106.7	637.5	380.9	282.8	245.2	238.7	245.2	250.1	246.8	246.8
65°	1353.6	1092.0	609.8	364.5	273.0	240.3	235.4	243.6	248.5	243.6	243.6
67.5°	1316.0	1047.9	573.8	344.9	264.8	235.4	232.1	240.3	245.2	240.3	240.3
70°	1235.9	974.3	529.7	325.3	253.4	230.5	228.9	237.0	240.3	235.4	233.8
72.5°	1119.8	876.2	480.6	302.4	241.9	222.3	222.3	230.5	233.8	228.9	227.2
75°	969.4	763.4	426.7	277.9	228.9	214.2	215.8	222.3	225.6	220.7	217.4
77.5°	815.7	649.0	374.4	256.7	215.8	204.3	206.0	214.2	215.8	210.9	207.6
80°	662.1	528.0	322.0	232.1	201.1	194.5	196.2	201.1	202.7	197.8	194.5
82.5°	531.3	429.9	273.0	209.2	186.4	181.5	184.7	188.0	188.0	183.1	179.8
85°	418.5	341.7	232.1	184.7	170.0	168.4	171.6	173.3	171.6	166.7	163.5
87.5°	323.7	271.4	194.5	161.8	153.7	155.3	156.9	156.9	155.3	152.0	147.1
90°	251.7	215.8	163.5	142.2	139.0	140.6	142.2	142.2	139.0	134.0	130.8
92.5°	199.4	174.9	137.3	124.2	124.2	127.5	127.5	127.5	122.6	117.7	116.1
95°	155.3	139.0	116.1	109.5	109.5	112.8	114.4	112.8	107.9	103.0	101.4
97.5°	124.2	112.8	99.7	94.8	98.1	101.4	101.4	98.1	93.2	89.9	88.3
100°	99.7	91.5	83.4	83.4	86.6	89.9	89.9	86.6	81.7	75.2	75.2
102.5°	80.1	76.8	71.9	73.6	75.2	78.5	78.5	75.2	68.7	63.8	63.8
105°	65.4	63.8	62.1	63.8	67.0	68.7	68.7	65.4	58.9	53.9	53.9
107.5°	53.9	52.3	52.3	55.6	58.9	60.5	60.5	55.6	50.7	45.8	47.4
110°	45.8	44.1	44.1	47.4	50.7	52.3	52.3	49.0	42.5	39.2	40.9

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.6	37.6	39.2	42.5	45.8	47.4	45.8	40.9	36.0	34.3	34.3
115°	32.7	32.7	34.3	37.6	39.2	40.9	39.2	36.0	31.1	29.4	29.4
117.5°	27.8	27.8	29.4	32.7	34.3	36.0	34.3	31.1	26.2	26.2	26.2
120°	24.5	24.5	26.2	29.4	31.1	31.1	29.4	26.2	22.9	22.9	22.9
122.5°	22.9	22.9	22.9	24.5	26.2	27.8	26.2	22.9	19.6	19.6	19.6
125°	19.6	19.6	21.3	22.9	22.9	22.9	21.3	19.6	18.0	18.0	18.0
127.5°	18.0	18.0	18.0	19.6	21.3	19.6	18.0	16.3	14.7	16.3	16.3
130°	16.3	16.3	16.3	16.3	18.0	18.0	16.3	14.7	13.1	13.1	13.1
132.5°	14.7	14.7	14.7	14.7	14.7	14.7	13.1	11.4	11.4	13.1	13.1
135°	13.1	13.1	13.1	13.1	13.1	13.1	11.4	9.8	9.8	11.4	11.4
137.5°	11.4	11.4	11.4	9.8	11.4	9.8	9.8	9.8	9.8	9.8	9.8
140°	9.8	9.8	9.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
142.5°	8.2	8.2	8.2	6.5	6.5	6.5	6.5	6.5	6.5	8.2	8.2
145°	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
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)