

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: P415002

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3983 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

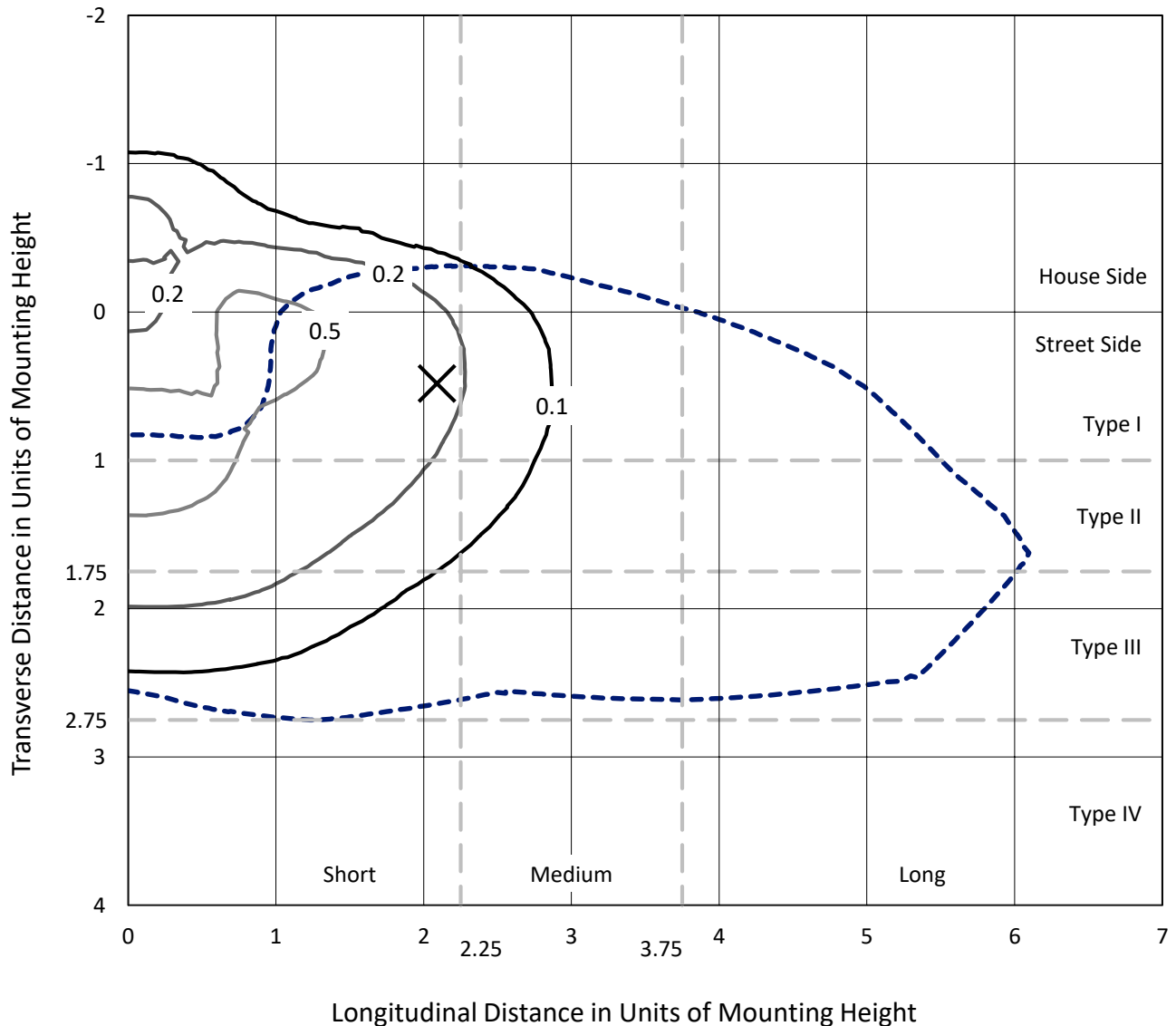
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

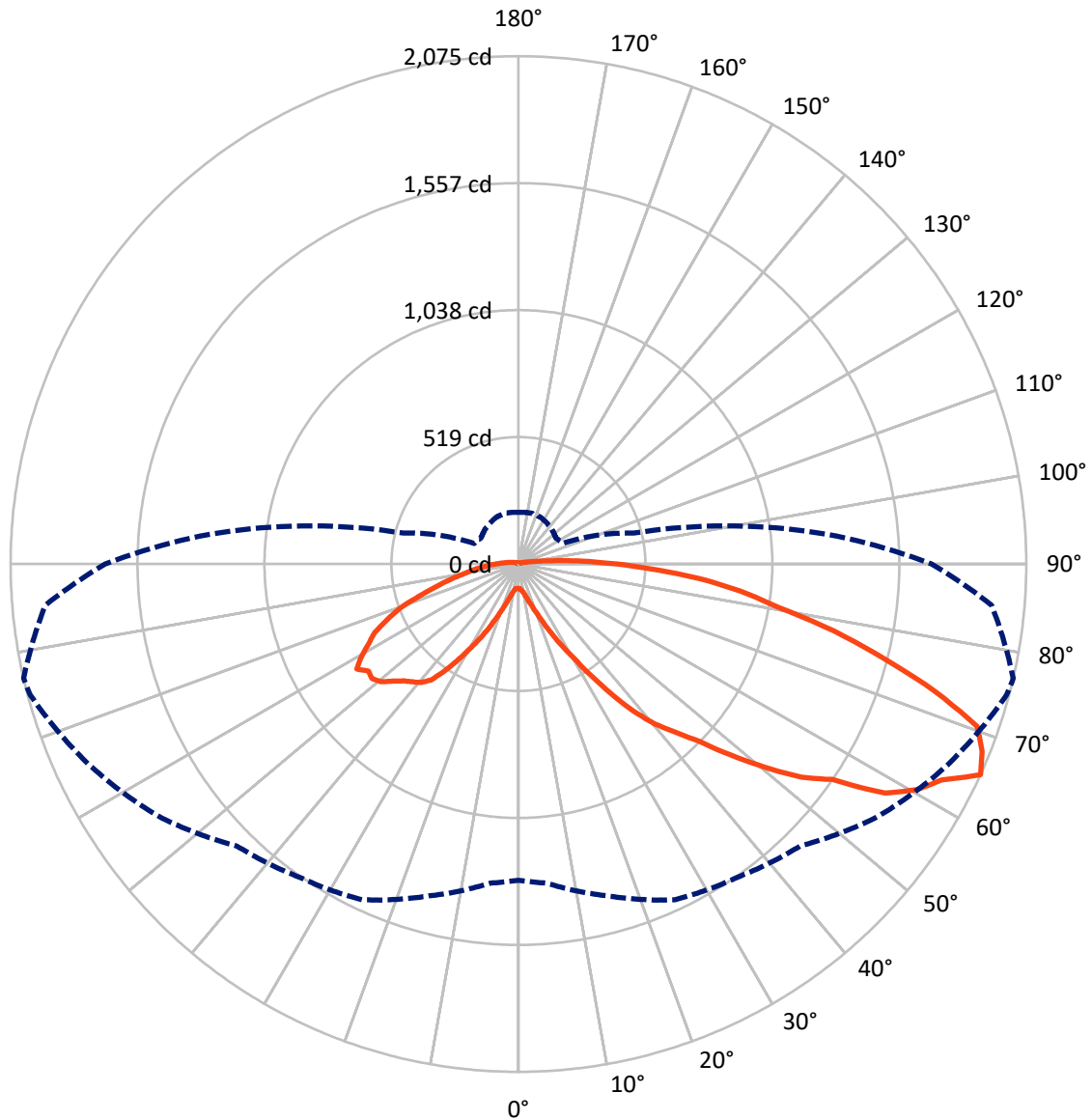
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	877.7	62.4	940.1
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2964.9	78.0	3042.9
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	3842.6	140.4	3983.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.3	0.3
10°-20°	43.6	1.1
20°-30°	127.8	3.2
30°-40°	306.0	7.7
40°-50°	551.1	13.8
50°-60°	838.2	21.0
60°-70°	988.7	24.8
70°-80°	681.4	17.1
80°-90°	295.4	7.4
90°-100°	86.2	2.2
100°-110°	27.0	0.7
110°-120°	12.6	0.3
120°-130°	7.4	0.2
130°-140°	4.5	0.1
140°-150°	2.0	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3842.6	96.5
0°-180°	3983.0	100.0



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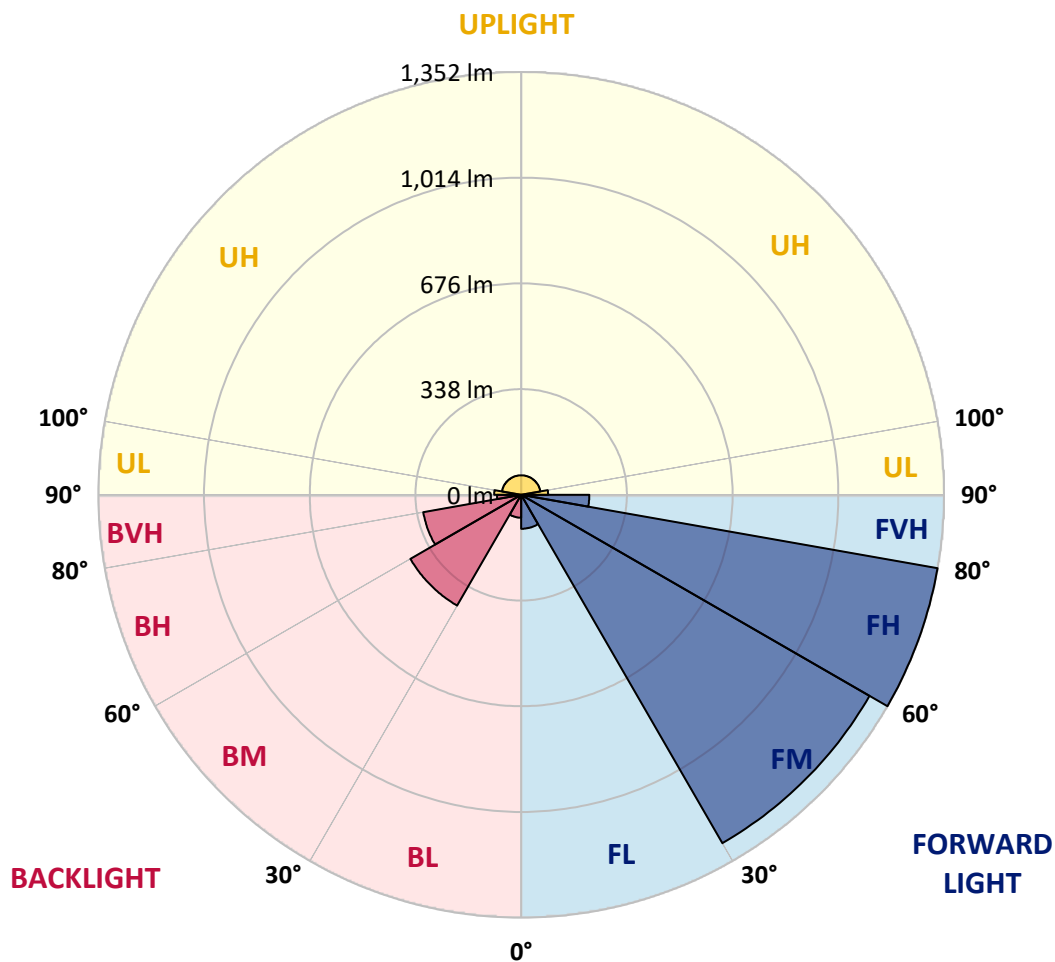
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.6	2.7			
FM	(30°-60°)	1286.2	32.3			
FH	(60°-80°)	1352.1	33.9			G1/1800
FVH	(80°-90°)	218.0	5.5			G2/225
BL	(0°-30°)	73.2	1.8	B0/110		
BM	(30°-60°)	409.1	10.3	B1/1000		
BH	(60°-80°)	318.0	8.0	B1/500		G1/500
BVH	(80°-90°)	77.5	1.9			G1/100
UL	(90°-100°)	86.2	2.2		U3/500	
UH	(100°-180°)	62.4	1.6		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°	75°	77°	85°
0°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	107.6	107.1	107.1	107.6	106.7	105.8	104.4	103.0	101.6	101.6	100.7
5°	116.3	115.8	115.8	115.8	114.0	112.6	109.4	107.6	105.8	104.8	103.5
7.5°	127.7	126.4	126.8	126.4	123.6	120.9	117.7	114.0	111.7	111.3	108.5
10°	142.8	141.9	141.0	139.2	136.4	131.9	127.3	124.1	120.9	120.4	117.2
12.5°	164.4	163.4	161.6	157.5	151.5	146.0	141.5	137.8	136.0	135.1	131.9
15°	190.5	187.7	186.8	180.4	172.1	165.7	160.7	158.4	156.6	156.6	152.5
17.5°	221.1	221.1	216.6	207.9	197.3	189.5	184.5	180.4	181.8	181.3	179.0
20°	259.1	258.2	251.4	239.9	227.1	219.8	213.4	211.1	212.9	214.7	214.7
22.5°	314.1	311.8	301.3	283.9	265.1	253.2	248.6	248.1	255.5	257.8	260.5
25°	375.9	372.7	359.4	338.3	315.0	296.7	290.3	295.3	308.6	313.6	319.1
27.5°	450.5	448.7	428.5	399.7	371.8	348.0	340.6	356.2	374.0	375.9	386.9
30°	546.7	547.6	520.1	478.4	430.8	406.1	397.9	416.6	443.2	445.0	467.0
32.5°	657.9	657.9	616.7	566.3	505.0	470.2	462.4	492.6	534.3	540.7	561.8
35°	799.8	791.6	738.9	666.6	589.7	538.0	537.0	584.2	641.4	647.8	670.7
37.5°	927.1	932.1	878.6	784.3	680.3	620.8	628.6	688.6	760.9	762.8	787.5
40°	1064.9	1070.4	1007.2	908.8	781.1	714.2	729.8	785.6	857.5	858.9	867.6
42.5°	1173.0	1187.2	1128.1	1025.5	896.4	820.4	824.1	876.3	931.7	938.6	944.5
45°	1237.5	1248.1	1215.5	1133.6	998.1	926.7	918.0	960.5	1032.9	1031.0	1039.7
47.5°	1339.2	1351.5	1301.6	1227.0	1112.5	1024.2	1013.2	1068.6	1157.4	1166.6	1158.3
50°	1444.5	1460.9	1424.8	1337.8	1219.7	1133.6	1135.0	1198.2	1301.6	1304.8	1309.9
52.5°	1518.2	1530.1	1515.9	1455.5	1330.0	1251.7	1264.1	1339.6	1441.3	1447.2	1427.1
55°	1529.6	1547.9	1559.4	1545.6	1450.9	1373.5	1405.1	1480.6	1549.3	1554.3	1538.8
57.5°	1526.0	1541.1	1565.3	1575.9	1528.2	1498.9	1539.7	1617.1	1749.4	1766.3	1758.5
60°	1521.8	1532.8	1583.2	1598.8	1571.7	1595.1	1660.1	1797.9	1870.7	1872.1	1801.1
62.5°	1407.4	1425.7	1520.5	1598.8	1591.4	1635.8	1778.2	1873.9	1931.6	1942.1	1874.4
65°	1292.5	1308.5	1403.7	1513.6	1562.1	1629.0	1796.5	1937.6	2065.7	2075.4	1941.2
67.5°	1126.3	1151.5	1255.4	1387.7	1447.2	1553.9	1748.5	1960.0	2039.6	2043.8	1890.4
70°	917.5	951.8	1069.0	1208.7	1280.1	1388.2	1640.9	1879.9	1991.1	1988.8	1806.2
72.5°	661.1	691.8	798.9	964.7	1076.4	1194.5	1444.0	1720.5	1783.7	1781.4	1536.5
75°	449.1	465.6	546.2	697.7	858.4	997.2	1243.9	1492.5	1546.1	1542.0	1316.3
77.5°	294.4	313.2	365.4	494.9	644.6	804.4	1044.3	1249.4	1333.7	1318.6	1115.7
80°	180.4	190.9	234.0	334.2	488.5	649.2	863.5	1057.1	1100.6	1078.7	911.1
82.5°	112.6	120.9	151.5	220.7	350.7	501.3	708.3	890.0	938.6	913.8	749.5
85°	69.1	73.3	94.3	145.1	238.1	368.6	569.5	722.0	751.8	733.9	565.0
87.5°	50.4	51.3	64.6	98.0	160.7	263.7	419.4	543.9	565.4	532.5	396.0
90°	37.1	38.9	47.6	69.1	111.7	179.0	288.9	382.7	388.2	368.1	264.6
92.5°	27.9	28.8	35.7	49.0	76.9	122.2	192.7	256.4	251.4	237.2	164.4
95°	20.1	20.6	25.6	34.8	54.0	82.0	122.7	160.7	144.7	138.7	99.8
97.5°	16.5	16.9	20.6	27.0	39.8	57.7	79.2	95.7	85.2	81.5	64.1
100°	14.2	14.2	17.4	22.4	31.1	43.0	52.7	60.0	54.9	53.1	45.3
102.5°	12.8	12.8	15.1	18.8	25.6	33.9	38.9	41.2	38.5	37.1	33.4
105°	11.4	11.4	13.3	16.0	21.5	27.5	29.8	30.2	27.5	27.0	25.6
107.5°	10.5	10.5	11.9	14.2	18.3	22.9	23.8	22.4	21.1	20.1	20.1
110°	9.2	9.6	10.5	12.4	16.0	19.2	19.2	17.4	15.6	15.6	16.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	8.7	8.7	9.6	11.4	14.2	16.5	15.6	13.7	12.4	12.4	13.3
115°	7.8	7.8	8.7	10.5	12.8	14.2	13.3	11.4	10.1	10.5	11.4
117.5°	7.3	7.3	8.2	9.6	11.4	12.4	11.4	9.6	8.7	9.2	10.5
120°	7.3	7.3	8.2	9.2	10.5	11.0	10.1	8.2	7.8	7.8	9.2
122.5°	7.3	7.3	7.8	9.2	10.1	10.1	8.7	7.3	6.9	6.9	8.2
125°	7.3	7.3	8.2	9.2	9.2	9.2	7.8	6.4	6.0	6.4	7.3
127.5°	7.8	7.8	8.2	8.7	8.7	8.2	6.9	6.0	5.5	6.0	6.9
130°	7.8	7.8	8.2	8.7	8.2	7.3	6.4	5.5	5.5	5.5	6.9
132.5°	7.8	7.8	8.2	8.2	7.8	6.4	5.5	4.6	5.0	5.5	6.4
135°	7.3	7.3	7.3	7.3	6.9	6.0	4.6	4.1	4.6	5.0	6.0
137.5°	6.9	6.9	6.9	6.9	6.0	5.0	3.7	3.2	4.1	4.1	5.0
140°	6.0	6.0	6.4	6.0	5.5	4.1	3.2	2.3	3.2	3.2	4.1
142.5°	5.5	5.5	5.5	5.5	4.6	3.7	2.3	2.3	2.7	2.7	3.2
145°	4.6	4.6	5.0	4.6	3.7	2.7	1.8	1.8	2.3	2.3	2.7
147.5°	3.7	4.1	4.1	3.7	3.2	2.3	1.4	1.4	1.8	1.8	2.3
150°	3.2	3.2	3.2	3.2	2.3	1.4	0.9	1.4	1.8	1.8	1.8
152.5°	2.3	2.3	2.7	2.7	1.8	0.9	0.9	1.4	1.4	1.4	1.8
155°	1.8	1.8	2.3	1.8	1.4	0.5	0.9	0.9	1.4	1.4	1.4
157.5°	0.9	0.9	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.9	1.4
160°	0.5	0.5	1.4	1.4	0.9	0.5	0.5	0.5	0.9	0.9	0.9
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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	100.3	99.3	98.9	98.0	97.1	96.1	96.1	96.1	95.7	95.2	95.7
5°	102.1	101.6	99.3	97.5	95.7	94.8	93.9	93.4	93.4	92.5	92.5
7.5°	107.1	105.3	102.1	98.9	97.1	95.2	93.9	93.4	92.9	92.0	92.0
10°	114.9	112.6	109.0	103.9	100.7	97.5	96.1	96.1	95.7	95.2	95.2
12.5°	129.6	126.8	120.4	113.5	107.1	102.6	101.6	103.0	105.8	106.2	106.2
15°	151.1	147.9	139.6	128.7	118.6	112.2	113.1	116.7	120.4	121.8	121.8
17.5°	177.6	174.0	162.1	146.0	132.8	126.8	126.4	131.4	136.4	139.2	139.2
20°	213.4	207.4	191.8	168.9	150.6	143.8	141.0	145.6	153.4	156.6	155.7
22.5°	257.8	250.9	228.9	194.1	171.2	158.9	155.2	160.2	169.9	174.0	173.5
25°	316.4	309.5	273.8	225.7	191.4	172.1	169.9	177.2	191.4	199.6	198.7
27.5°	384.6	373.1	325.5	261.0	211.1	183.1	183.6	196.0	210.6	219.8	218.8
30°	457.4	442.7	377.7	294.8	229.4	195.5	194.6	209.2	224.3	234.0	234.0
32.5°	553.5	532.0	438.1	327.4	243.6	205.1	201.9	218.4	234.0	244.0	243.6
35°	656.5	627.7	501.3	361.7	255.5	210.1	206.5	223.4	239.4	251.4	251.4
37.5°	774.7	725.7	560.4	385.5	263.7	212.9	207.9	227.1	246.8	259.1	258.2
40°	836.9	782.0	588.8	396.0	265.1	213.4	210.1	230.3	246.8	251.4	249.1
42.5°	906.5	835.5	600.7	383.2	260.0	212.4	211.5	227.1	234.4	233.0	231.7
45°	994.4	898.7	612.1	367.2	248.1	211.1	209.2	218.4	218.8	213.4	211.5
47.5°	1106.6	985.7	630.9	348.0	236.2	207.9	205.6	209.7	201.9	191.8	188.6
50°	1227.0	1086.4	654.2	331.5	225.3	203.7	201.4	200.1	192.3	182.2	180.4
52.5°	1331.8	1154.7	660.7	314.1	217.9	201.0	198.2	196.9	189.5	178.1	175.8
55°	1425.7	1212.8	638.2	288.0	212.0	199.2	198.2	198.2	190.5	178.6	176.3
57.5°	1611.1	1352.0	646.5	261.4	204.2	198.7	200.1	200.5	193.2	181.8	179.5
60°	1616.6	1325.4	598.4	242.7	197.3	198.7	201.9	202.8	197.8	190.0	188.6
62.5°	1669.3	1326.3	533.8	218.4	192.7	197.8	203.3	206.5	206.9	202.4	201.4
65°	1688.5	1307.1	487.1	199.2	186.3	195.5	203.7	211.5	214.3	212.0	211.1
67.5°	1614.8	1218.8	423.5	186.3	179.9	191.8	203.3	212.9	218.8	220.2	220.2
70°	1517.7	1119.4	366.7	174.0	173.1	186.8	200.1	212.9	221.1	224.8	224.8
72.5°	1271.4	919.3	302.6	161.2	163.9	179.0	193.2	208.8	217.9	221.1	219.8
75°	1063.5	756.8	249.1	150.2	154.7	169.4	183.6	198.7	205.1	206.9	205.6
77.5°	899.6	629.5	204.7	140.1	143.8	157.0	169.9	180.4	184.5	183.6	181.3
80°	725.2	491.3	168.0	127.7	131.4	141.9	151.1	159.3	163.4	161.2	159.8
82.5°	577.3	390.5	143.3	116.7	118.1	126.8	133.2	139.6	146.5	144.7	141.0
85°	427.2	287.5	121.8	104.8	104.8	111.3	114.5	120.4	130.0	129.6	128.2
87.5°	292.1	204.7	103.5	92.9	92.5	96.1	98.0	104.4	116.7	117.2	115.8
90°	192.3	140.1	86.5	80.6	79.7	82.4	83.8	89.3	99.3	100.3	98.4
92.5°	125.0	97.1	71.0	68.2	67.8	70.0	69.6	73.3	80.1	79.7	78.3
95°	80.1	67.8	57.7	56.3	54.9	57.7	56.8	57.7	61.3	60.4	60.4
97.5°	55.4	51.7	47.6	45.3	44.4	47.2	46.2	46.2	48.1	46.2	45.3
100°	42.6	41.2	39.4	37.5	35.7	38.0	38.0	38.0	39.4	36.6	35.7
102.5°	33.0	32.5	32.5	31.1	29.8	31.6	32.0	32.5	32.0	29.3	28.8
105°	26.1	26.1	27.0	25.6	25.2	26.6	27.0	26.6	26.6	24.3	24.3
107.5°	20.6	21.5	22.4	21.5	21.5	22.4	22.4	22.4	21.5	20.1	20.6
110°	16.9	17.9	19.2	18.3	18.3	19.2	18.8	18.3	17.9	17.4	17.4



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.7	15.1	16.0	15.6	16.0	16.5	16.0	15.1	15.1	15.1	15.6
115°	12.4	13.3	14.2	13.7	13.7	14.2	13.3	12.8	12.8	13.3	13.3
117.5°	11.0	11.9	12.4	12.4	11.9	12.4	11.4	11.0	11.4	11.9	11.9
120°	10.1	10.5	11.0	11.0	10.5	10.5	10.1	9.6	10.1	10.5	11.0
122.5°	9.2	9.6	9.6	10.1	9.6	9.2	8.7	8.7	9.2	9.6	9.6
125°	8.2	8.7	8.7	8.7	8.7	8.2	7.8	7.8	8.2	8.7	9.2
127.5°	7.3	7.8	7.8	8.2	7.8	7.3	6.9	7.3	7.8	8.2	8.2
130°	7.3	7.3	7.3	7.3	6.9	6.4	6.4	6.4	7.3	7.8	7.8
132.5°	6.9	7.3	6.9	6.9	6.4	5.5	5.5	6.0	6.9	7.3	7.3
135°	6.4	6.4	6.0	6.0	5.5	5.0	4.6	5.5	6.0	6.4	6.4
137.5°	5.5	5.5	5.0	4.6	4.6	4.1	4.1	4.6	5.5	6.0	6.0
140°	4.1	4.6	4.1	3.7	3.7	3.2	3.7	4.1	5.0	5.0	5.0
142.5°	3.2	3.7	3.2	2.7	2.7	2.7	2.7	3.7	4.6	4.6	4.6
145°	2.7	2.7	2.7	2.3	1.8	1.8	2.3	3.2	4.1	4.1	4.1
147.5°	2.3	2.3	2.3	1.8	1.4	1.4	1.8	2.7	3.2	3.2	3.2
150°	1.8	1.8	1.8	1.8	1.4	0.9	1.4	2.3	2.7	2.7	2.7
152.5°	1.8	1.8	1.8	1.4	0.9	0.5	0.9	1.8	2.3	2.3	2.3
155°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	1.4	1.8	1.8	1.8
157.5°	1.4	1.4	1.4	0.9	0.5	0.0	0.5	1.4	1.8	1.4	1.4
160°	0.9	0.9	0.9	0.9	0.5	0.0	0.5	0.9	1.4	0.9	0.9
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)