

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: P414975

Luminaire Tested: **LXF.LXT-PA1-40-727-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
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-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3905 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

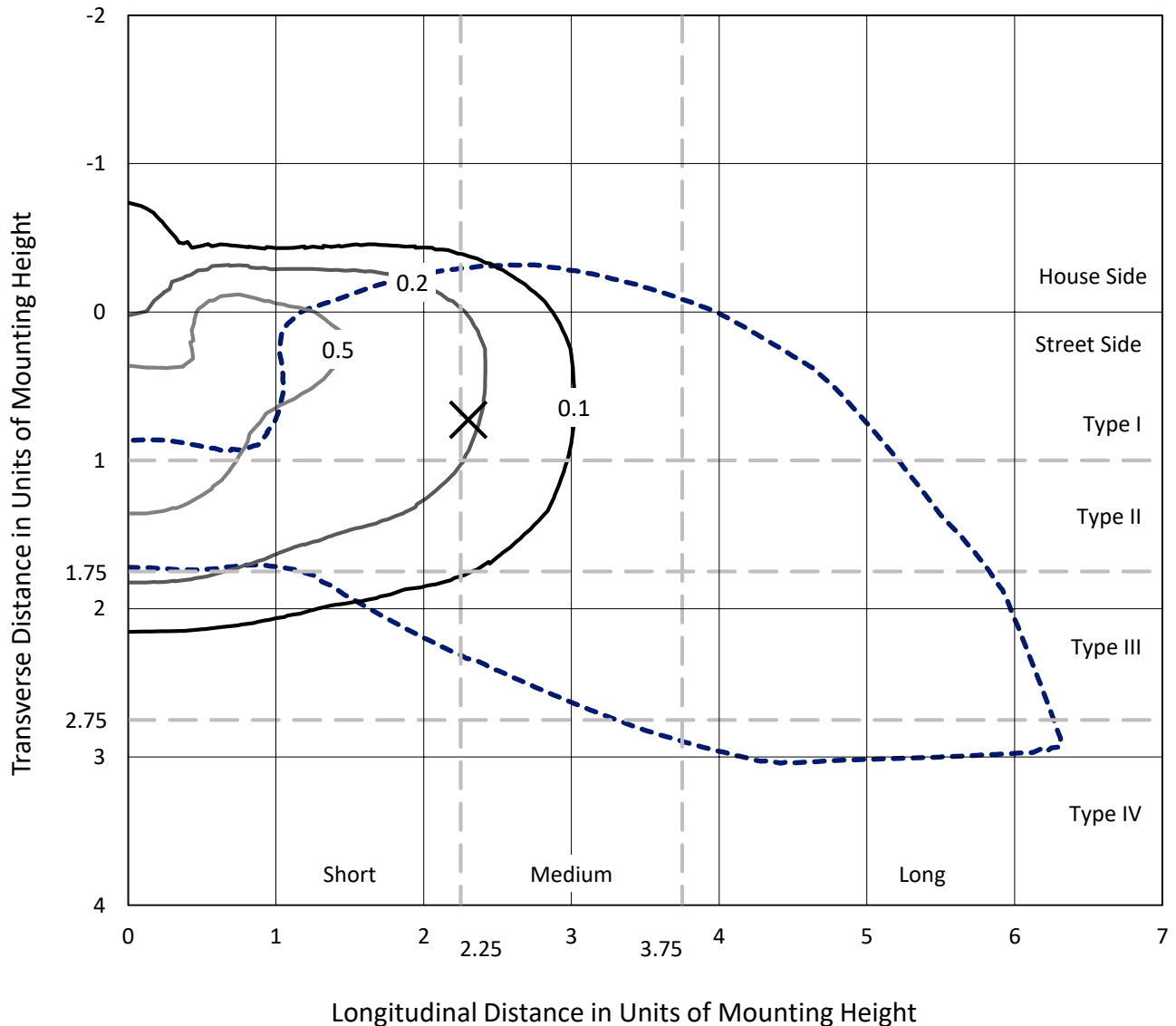
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

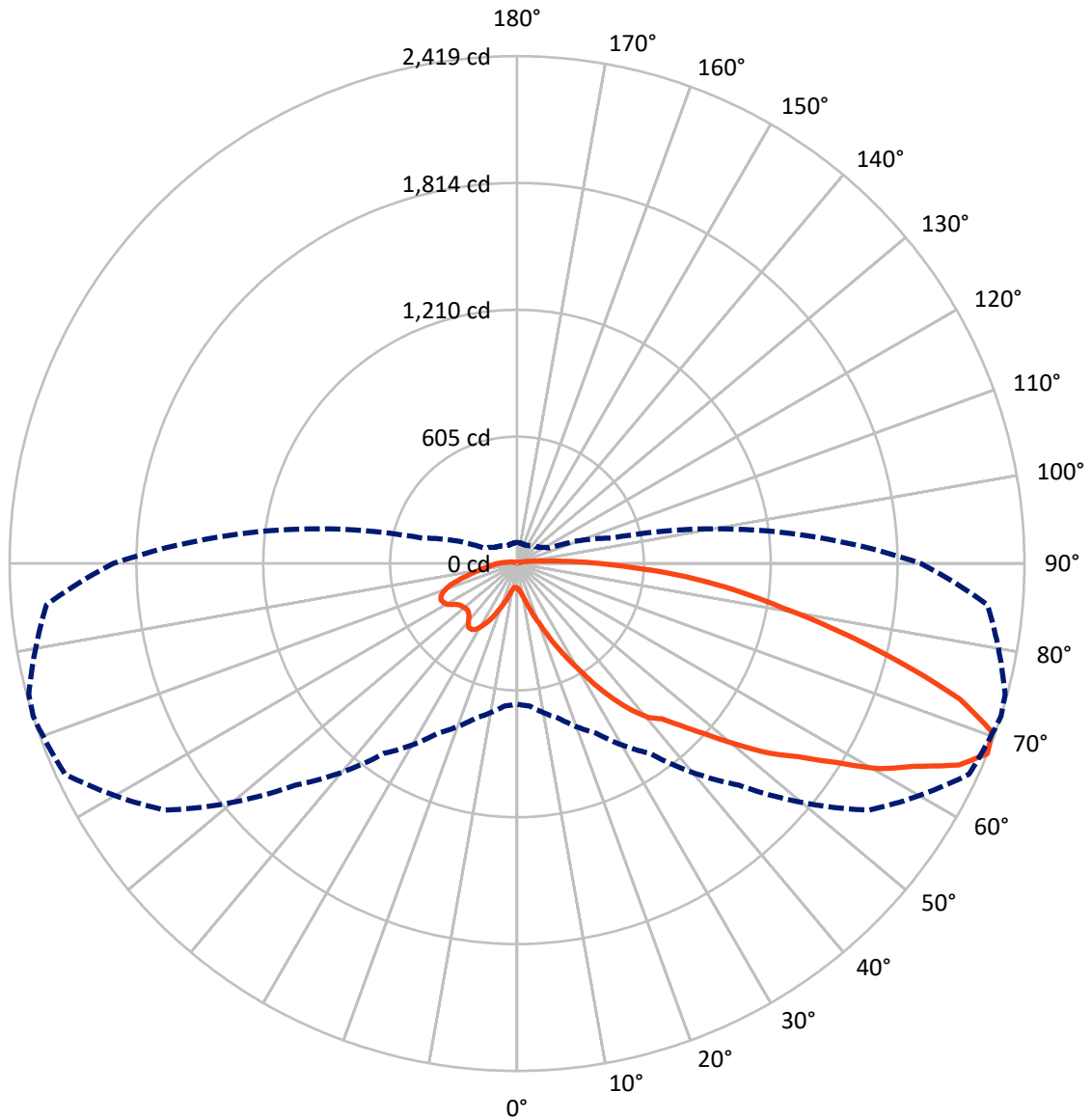
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	683.3	60.1	743.3
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	3076.7	84.9	3161.7
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	3760.0	145.0	3905.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.2	0.3
10°-20°	52.7	1.3
20°-30°	146.0	3.7
30°-40°	314.0	8.0
40°-50°	531.5	13.6
50°-60°	779.8	20.0
60°-70°	930.0	23.8
70°-80°	694.5	17.8
80°-90°	299.1	7.7
90°-100°	86.8	2.2
100°-110°	28.2	0.7
110°-120°	13.2	0.3
120°-130°	8.1	0.2
130°-140°	5.2	0.1
140°-150°	2.3	0.1
150°-160°	0.8	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	3760.0	96.3
0°-180°	3905.0	100.0

**Coefficient of Utilization**



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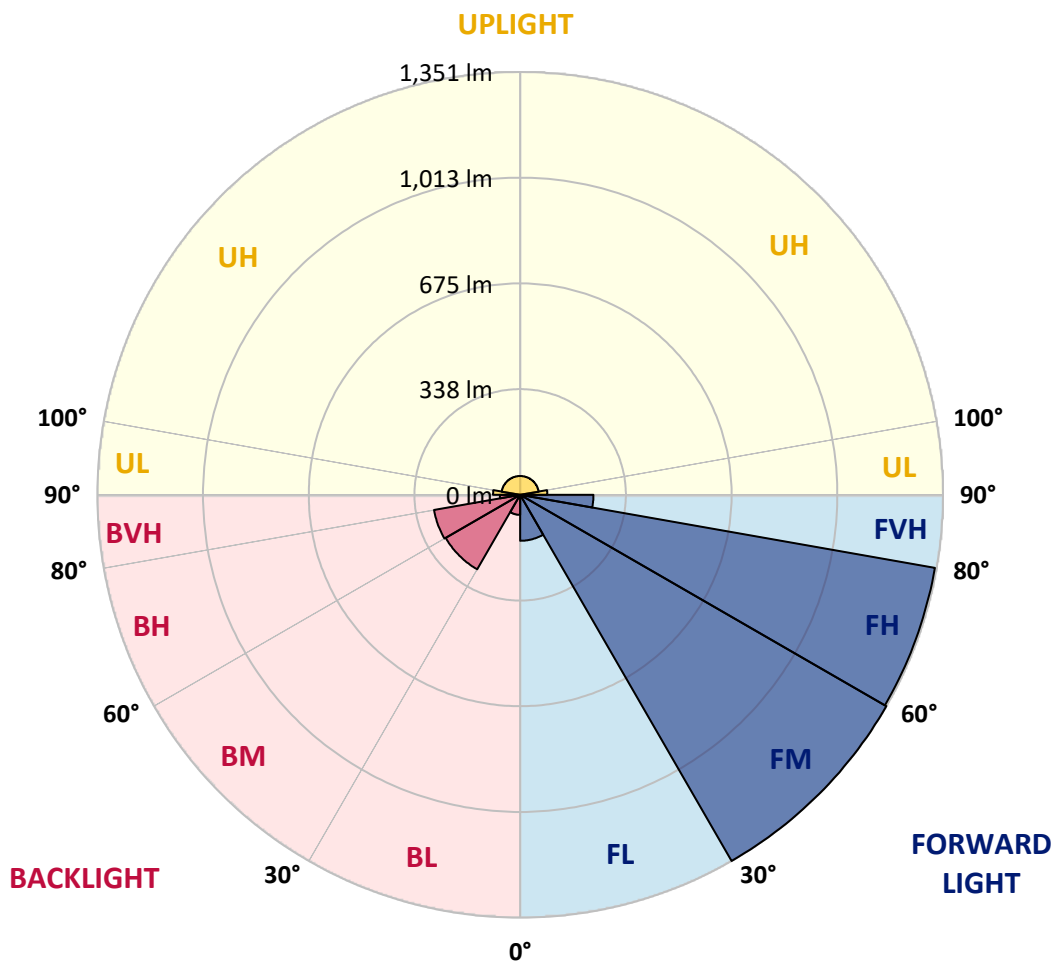
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.9	3.8			
FM (30°-60°)	1350.6	34.6			
FH (60°-80°)	1345.2	34.4			G1/1800
FVH (80°-90°)	234.0	6.0			G3/500
BL (0°-30°)	64.0	1.6	B0/110		
BM (30°-60°)	274.8	7.0	B1/1000		
BH (60°-80°)	279.3	7.2	B1/500		G1/500
BVH (80°-90°)	65.1	1.7			G1/100
UL (90°-100°)	86.8	2.2		U3/500	
UH (100°-180°)	60.1	1.5		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°	72.5°	75°	85°
0°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
2.5°	128.2	129.1	130.0	129.6	129.1	127.7	125.4	123.2	120.9	120.9	119.0
5°	146.5	146.1	145.6	146.1	143.8	140.6	136.9	132.8	129.6	128.7	124.1
7.5°	167.6	166.7	167.6	164.8	161.6	157.5	152.0	146.5	141.0	140.1	132.8
10°	192.8	191.8	191.4	189.1	183.1	177.2	171.7	163.0	158.9	157.5	147.9
12.5°	224.3	223.9	221.1	216.6	208.8	202.8	195.0	190.5	186.3	183.1	173.5
15°	260.5	261.4	258.2	248.6	239.0	229.8	226.2	222.5	219.3	217.9	209.7
17.5°	311.3	309.5	302.2	287.5	272.0	264.6	261.4	259.1	262.3	261.4	248.6
20°	374.1	369.5	358.0	332.8	313.6	301.7	299.0	303.1	304.9	309.5	300.8
22.5°	447.8	441.8	422.6	394.2	366.3	343.8	341.1	353.5	364.9	366.3	362.6
25°	519.6	514.2	497.2	460.1	422.6	392.8	386.4	413.9	436.8	440.9	445.9
27.5°	593.4	590.6	565.9	525.6	484.4	446.9	445.9	475.7	511.4	521.0	529.7
30°	677.1	683.6	652.4	601.6	549.9	506.4	504.1	548.0	592.0	612.6	627.2
32.5°	795.3	789.8	750.9	694.1	617.2	566.3	569.6	620.8	695.0	712.4	731.6
35°	930.8	932.6	879.5	791.1	700.5	637.8	635.5	706.9	793.0	807.6	839.7
37.5°	1042.0	1051.2	1011.8	910.2	793.9	712.9	716.1	796.2	886.8	916.1	944.1
40°	1161.5	1169.8	1124.0	1025.1	895.5	795.7	800.3	878.1	964.7	988.5	995.3
42.5°	1292.0	1300.3	1244.9	1127.7	981.1	895.5	877.7	937.2	1012.7	1042.5	1048.5
45°	1414.3	1428.5	1372.6	1234.8	1076.8	985.3	958.3	1006.3	1105.2	1132.7	1139.1
47.5°	1451.8	1468.7	1444.5	1331.9	1168.4	1062.6	1044.8	1111.6	1218.3	1259.1	1250.8
50°	1488.0	1503.5	1488.9	1389.1	1244.4	1152.4	1156.5	1234.3	1355.2	1407.4	1401.0
52.5°	1493.5	1509.5	1494.4	1424.3	1309.4	1243.0	1288.8	1380.8	1500.8	1538.8	1529.6
55°	1502.6	1513.2	1499.4	1420.2	1356.6	1339.6	1426.2	1531.0	1626.2	1671.6	1656.5
57.5°	1375.3	1379.5	1429.4	1408.3	1366.6	1446.8	1580.9	1675.7	1787.9	1855.6	1847.8
60°	1192.2	1200.9	1262.7	1311.2	1359.8	1523.2	1732.9	1876.2	1986.1	2030.5	1988.4
62.5°	1041.6	1051.2	1116.2	1178.5	1301.6	1557.1	1891.8	2055.7	2128.0	2168.3	2118.4
65°	839.2	846.5	925.7	1048.0	1206.9	1543.8	2010.8	2242.5	2315.3	2331.3	2234.7
67.5°	670.7	681.7	762.3	892.8	1105.2	1493.5	2049.7	2377.1	2419.2	2409.6	2251.6
70°	499.0	504.5	603.0	768.7	984.8	1383.6	2012.7	2407.3	2400.9	2388.5	2172.0
72.5°	343.8	342.9	435.4	597.0	859.4	1258.1	1840.1	2236.5	2206.3	2174.3	1900.0
75°	222.1	234.4	292.1	434.0	695.0	1076.8	1616.6	1942.2	1890.9	1840.1	1565.3
77.5°	149.7	158.4	205.1	310.9	531.1	905.6	1391.4	1667.9	1582.3	1536.0	1263.6
80°	103.0	106.7	142.4	228.5	395.1	718.3	1139.6	1380.4	1287.0	1232.0	980.7
82.5°	72.3	75.1	99.4	168.5	297.6	536.6	909.7	1148.3	1050.3	1010.4	761.8
85°	52.2	54.0	71.4	125.4	226.2	402.9	692.3	893.2	808.1	777.4	544.4
87.5°	38.9	40.7	54.0	92.9	174.0	306.3	516.4	639.6	548.0	508.2	343.8
90°	28.8	30.7	41.7	69.6	136.0	230.8	374.1	437.2	355.7	322.3	219.3
92.5°	21.5	22.9	31.1	50.8	103.9	176.7	263.7	276.5	210.6	191.8	138.3
95°	16.0	16.9	23.3	37.1	74.2	128.7	172.6	161.6	124.1	112.6	87.4
97.5°	13.3	13.7	18.3	28.4	52.2	90.2	110.8	99.4	80.1	74.6	60.4
100°	11.0	11.4	14.7	21.5	38.0	61.8	73.3	64.6	55.9	53.6	47.2
102.5°	9.6	10.1	12.4	17.9	28.4	44.4	50.8	46.2	41.2	39.4	36.6
105°	8.7	8.7	11.0	15.1	23.3	33.4	37.1	33.9	30.7	29.8	29.3
107.5°	7.8	7.8	9.6	13.3	19.2	26.1	27.9	25.2	22.4	22.0	23.3
110°	7.3	7.3	8.7	11.9	16.5	21.5	22.0	18.8	16.9	16.9	18.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.9	6.9	8.2	10.5	14.7	17.9	17.4	14.7	13.3	13.3	15.6
115°	6.9	6.9	7.8	10.1	12.8	15.1	14.2	11.9	11.0	11.0	13.3
117.5°	6.9	7.3	7.8	9.6	11.9	13.3	12.4	10.1	9.6	9.6	11.9
120°	7.3	7.3	7.8	9.6	11.0	11.4	10.5	8.7	8.2	8.7	11.0
122.5°	7.3	7.3	8.2	9.6	10.5	10.5	9.2	7.8	7.8	7.8	10.1
125°	7.8	7.8	8.2	9.6	10.1	9.6	8.2	7.3	7.3	7.8	9.2
127.5°	8.2	8.2	8.7	9.6	9.6	8.7	7.8	6.9	6.9	7.3	9.2
130°	9.2	9.2	9.2	9.6	8.7	7.8	6.9	6.4	6.9	7.3	9.2
132.5°	9.2	9.2	9.2	9.2	8.2	6.9	6.4	6.0	6.9	7.3	8.7
135°	8.2	8.2	8.2	8.2	7.3	6.0	5.5	5.5	6.4	6.9	8.2
137.5°	7.3	7.3	7.3	6.9	6.4	5.5	4.6	4.6	5.5	6.0	7.3
140°	6.4	6.4	6.0	6.0	5.5	4.6	4.1	4.1	4.6	5.0	6.0
142.5°	5.0	5.0	5.0	5.0	4.6	3.7	3.2	3.2	4.1	4.6	5.0
145°	4.1	4.1	4.1	4.1	3.7	3.2	2.7	2.7	3.2	3.7	4.1
147.5°	3.2	3.2	3.7	3.7	3.2	2.7	1.8	2.3	2.7	2.7	3.2
150°	2.7	2.7	2.7	3.2	2.3	1.8	1.4	1.8	2.3	2.3	2.7
152.5°	2.3	2.3	2.3	2.3	1.8	0.9	1.4	1.8	1.8	2.3	2.3
155°	1.4	1.4	1.8	1.8	1.4	0.9	1.4	1.4	1.8	1.8	2.3
157.5°	0.9	0.9	1.4	1.4	1.4	0.9	0.9	1.4	1.4	1.4	1.8
160°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
162.5°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
165°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
167.5°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
170°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
172.5°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
175°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
177.5°	0.0	0.5	0.9	1.4	1.4	0.9	0.9	0.9	0.9	0.9	1.4
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
2.5°	117.7	116.7	114.9	113.1	111.3	109.4	109.0	108.0	107.6	107.1	107.6
5°	122.2	119.5	115.4	111.3	107.6	104.4	102.1	99.8	98.0	97.1	97.1
7.5°	130.5	125.9	119.0	112.2	105.8	100.3	96.6	93.4	91.1	90.2	89.7
10°	143.3	137.8	127.7	116.7	107.1	98.9	93.4	89.7	87.4	86.1	86.1
12.5°	165.7	159.3	143.3	126.4	110.8	99.4	92.0	88.4	86.1	85.6	86.1
15°	201.0	190.9	167.6	143.3	119.5	100.3	91.1	89.7	90.7	91.1	91.1
17.5°	242.2	228.5	198.7	162.1	129.1	104.4	94.8	93.9	95.2	96.6	97.5
20°	288.4	270.6	227.5	179.9	135.5	110.3	98.4	96.6	99.8	102.6	102.1
22.5°	347.0	325.5	264.2	193.7	140.1	111.7	99.8	98.0	103.5	106.7	107.6
25°	424.0	393.3	307.2	208.3	142.8	109.9	98.9	99.4	107.6	114.0	115.4
27.5°	507.7	463.3	347.0	220.2	142.8	105.3	97.5	103.0	114.5	122.7	123.6
30°	599.3	537.5	381.8	229.4	138.7	100.7	96.1	104.8	116.3	125.0	125.9
32.5°	696.8	614.4	418.0	232.6	132.8	97.1	94.8	103.5	113.1	120.9	122.7
35°	783.4	683.1	432.2	228.0	124.5	94.3	91.6	98.9	108.5	118.1	118.6
37.5°	873.6	748.6	438.6	215.2	116.3	91.6	88.8	95.7	107.1	118.6	120.0
40°	912.0	765.5	420.3	197.3	108.5	89.7	87.4	95.2	107.6	119.0	120.9
42.5°	951.4	782.0	397.9	171.7	103.5	89.3	88.8	95.2	105.3	114.5	115.8
45°	1018.7	818.6	387.8	154.3	100.7	90.7	90.2	93.9	101.2	109.4	112.2
47.5°	1114.8	874.0	382.8	143.3	100.7	92.9	91.6	92.5	97.1	104.4	106.7
50°	1238.0	950.9	389.2	137.4	103.0	96.1	93.4	92.0	93.9	101.6	104.4
52.5°	1341.5	1024.6	396.9	136.4	106.7	100.3	96.1	92.0	93.4	102.6	105.8
55°	1450.0	1094.7	405.6	138.7	111.3	103.5	98.0	92.9	93.9	102.6	106.2
57.5°	1607.5	1213.7	428.1	143.8	115.8	107.1	100.3	94.3	93.4	100.3	103.0
60°	1751.2	1327.3	461.5	153.4	121.3	110.8	102.6	95.2	92.9	97.5	99.4
62.5°	1838.2	1388.6	474.3	162.5	126.8	114.0	103.5	95.2	94.3	98.4	99.8
65°	1928.0	1447.2	479.4	169.9	130.0	115.8	103.5	96.1	96.1	98.9	99.4
67.5°	1924.8	1434.4	467.5	173.5	132.8	116.7	103.5	96.1	97.1	99.8	100.3
70°	1840.5	1360.7	437.7	173.1	132.3	115.4	101.6	95.7	99.4	102.6	103.0
72.5°	1593.3	1169.8	389.6	167.6	128.2	111.7	98.9	94.8	100.3	104.8	104.8
75°	1307.1	952.8	321.9	157.0	123.2	107.1	94.8	91.6	98.4	104.8	104.8
77.5°	1029.7	745.8	261.0	143.3	115.8	101.6	89.7	86.1	93.9	99.8	99.4
80°	799.8	565.4	209.7	129.6	107.6	95.7	83.8	79.7	86.5	90.7	89.7
82.5°	613.5	435.4	173.1	116.7	99.4	88.8	77.8	74.2	80.6	83.3	82.4
85°	418.9	311.8	141.9	102.6	88.8	80.6	71.9	69.1	76.5	79.7	78.7
87.5°	276.5	214.3	118.6	90.2	78.3	72.3	65.0	64.1	72.3	75.5	75.1
90°	182.7	149.7	100.7	78.3	68.2	63.2	58.6	58.6	65.9	68.7	66.8
92.5°	120.4	106.2	79.7	66.4	58.1	54.9	52.2	51.7	58.1	59.1	57.7
95°	82.0	74.6	62.3	54.9	49.0	47.2	44.9	45.8	49.9	49.0	47.6
97.5°	58.6	56.8	50.4	44.9	40.7	40.3	39.4	39.8	42.1	40.3	39.4
100°	46.7	45.3	41.7	37.5	34.8	34.3	33.9	34.3	35.7	33.9	33.0
102.5°	37.5	37.5	34.8	31.6	29.3	29.8	29.8	29.8	30.2	27.5	27.5
105°	30.2	30.2	29.3	26.6	25.2	25.2	25.6	25.6	25.6	23.8	23.8
107.5°	24.3	25.2	24.7	22.4	21.5	22.0	22.0	21.5	21.5	20.6	20.6
110°	19.7	20.6	20.6	19.2	18.8	19.2	18.8	18.3	17.9	17.9	17.9



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	17.4	17.9	16.9	16.5	16.5	16.0	15.6	15.6	16.0	16.0
115°	14.2	15.1	15.6	14.7	14.7	14.7	13.7	13.3	13.3	14.2	14.2
117.5°	12.8	13.3	13.7	13.3	12.8	12.8	12.4	11.4	11.4	12.4	12.8
120°	11.4	11.9	12.4	11.9	11.4	11.0	10.5	10.1	10.1	11.4	11.4
122.5°	10.5	11.0	11.0	10.5	10.1	10.1	9.6	9.2	9.2	10.1	10.5
125°	10.1	10.1	10.1	9.6	9.2	8.7	8.2	8.2	8.2	9.2	9.2
127.5°	9.6	9.6	9.2	8.7	8.2	7.8	7.8	7.3	7.3	8.2	8.7
130°	9.6	9.6	8.7	8.2	7.8	6.9	6.9	6.4	6.9	7.8	7.8
132.5°	9.2	9.2	8.2	7.8	6.9	6.4	6.0	6.0	6.0	6.9	7.3
135°	8.7	8.2	7.3	6.9	6.0	5.5	5.5	5.5	5.5	6.4	6.4
137.5°	7.8	7.3	6.4	6.0	5.5	5.0	4.6	4.6	5.0	5.5	6.0
140°	6.4	6.4	5.5	5.0	4.6	4.1	4.1	4.1	4.6	5.0	5.0
142.5°	5.5	5.5	4.6	4.1	3.7	3.2	3.7	3.7	4.1	4.6	4.6
145°	4.6	4.1	4.1	3.2	3.2	2.7	2.7	3.2	3.7	4.1	4.1
147.5°	3.7	3.7	3.2	2.7	2.3	2.3	2.3	2.7	3.2	3.2	3.7
150°	3.2	3.2	2.7	2.7	1.8	1.4	1.8	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.3	1.8	0.9	1.4	2.3	2.3	2.3	2.3
155°	2.3	2.3	2.3	1.8	1.4	0.5	1.4	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.5	0.9	1.4	1.4	1.4	1.8
160°	1.4	1.4	1.4	1.4	0.9	0.5	0.9	1.4	1.4	1.4	1.4
162.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	1.4	0.9	0.9	0.9
165°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.9	0.9
167.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.5	0.5
170°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.5	0.5
172.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.5	0.5
175°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.5	0.5
177.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.5	0.5
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)