

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: P414993

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
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-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3970 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

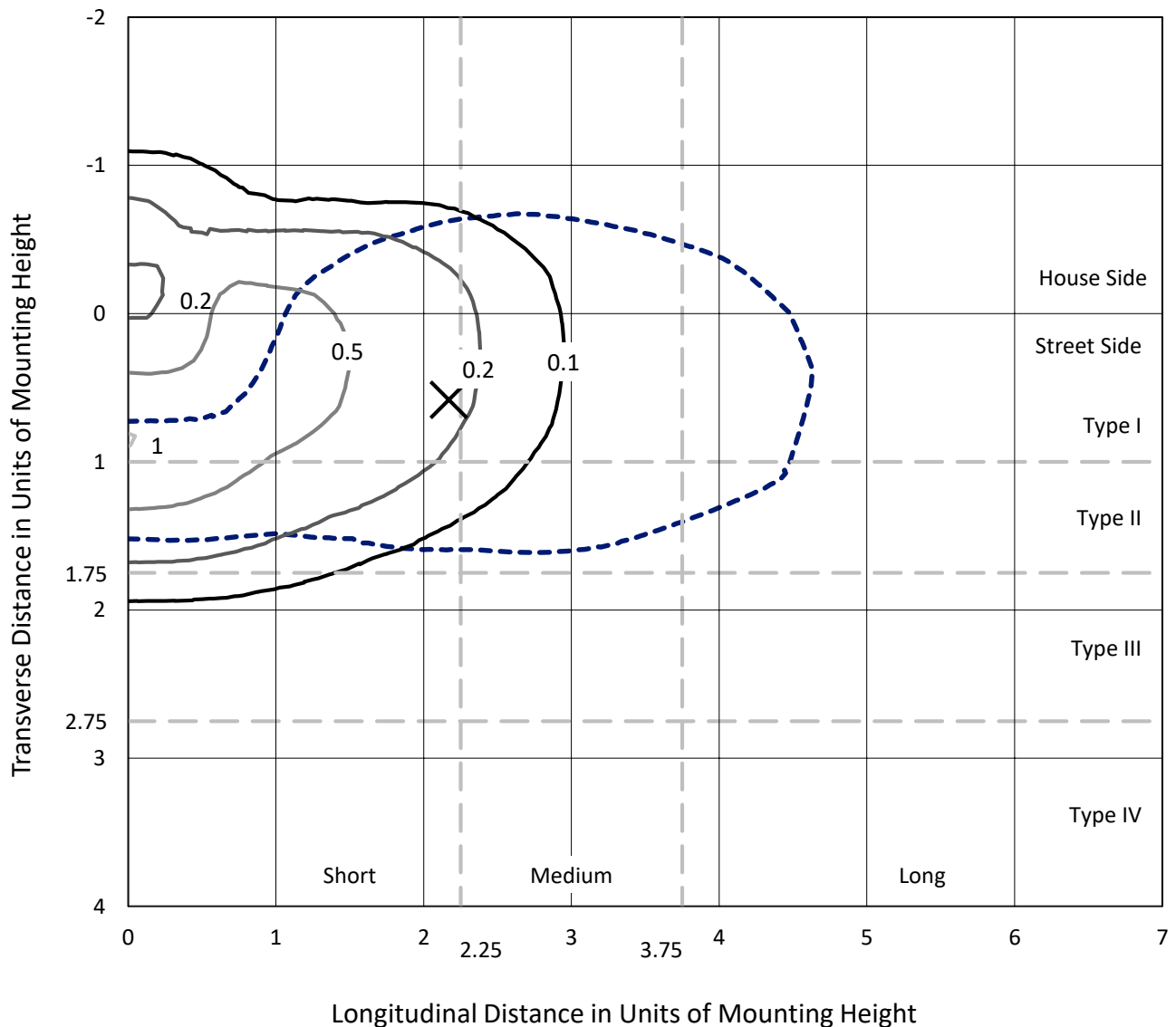
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

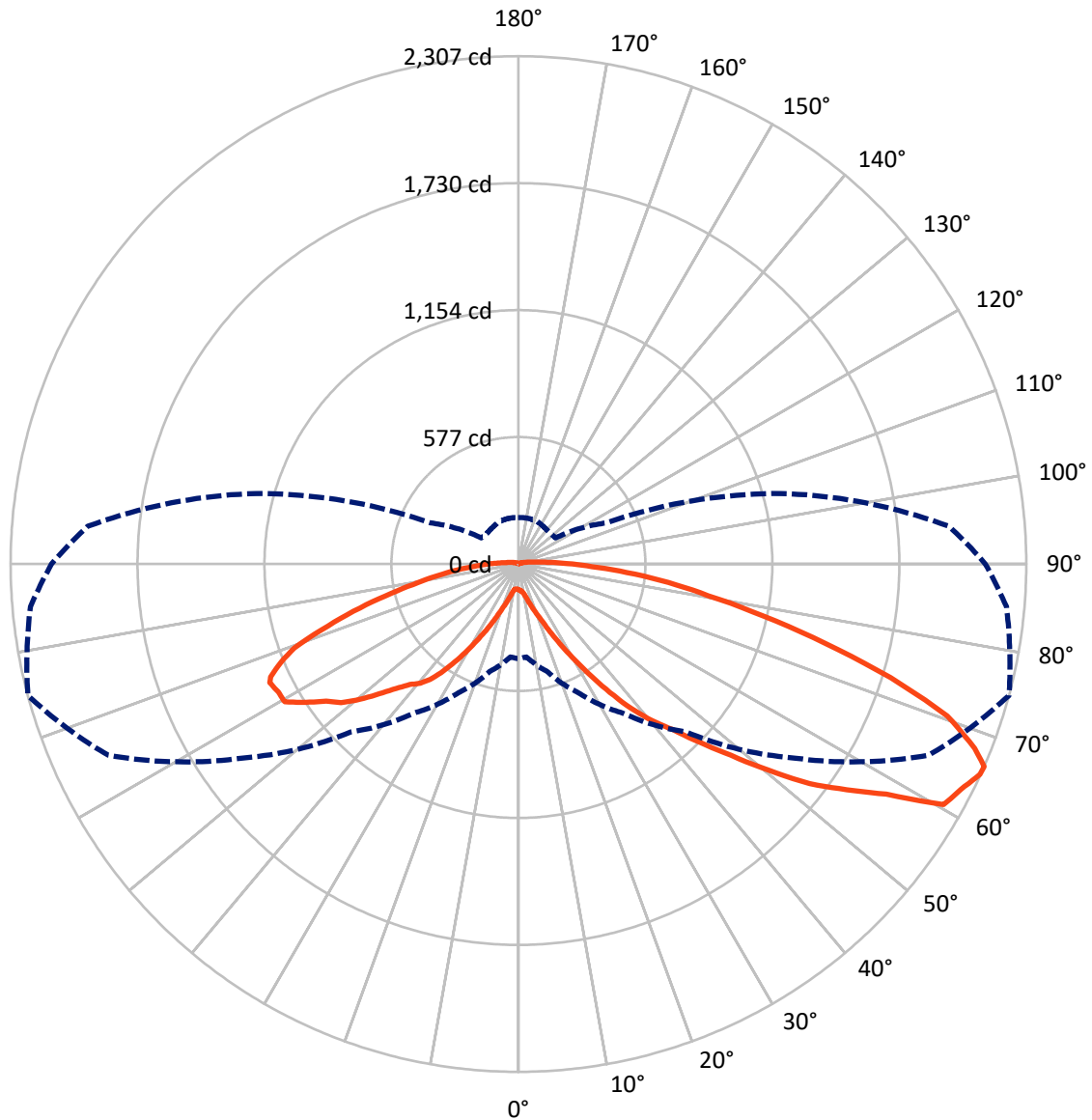
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1127.6	55.1	1182.6
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	2732.9	54.4	2787.4
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	3860.5	109.5	3970.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.8	0.3
10°-20°	49.9	1.3
20°-30°	151.3	3.8
30°-40°	374.3	9.4
40°-50°	675.8	17.0
50°-60°	913.1	23.0
60°-70°	916.6	23.1
70°-80°	553.6	13.9
80°-90°	214.0	5.4
90°-100°	63.6	1.6
100°-110°	22.9	0.6
110°-120°	11.1	0.3
120°-130°	6.6	0.2
130°-140°	3.9	0.1
140°-150°	1.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3860.5	97.2
0°-180°	3970.0	100.0



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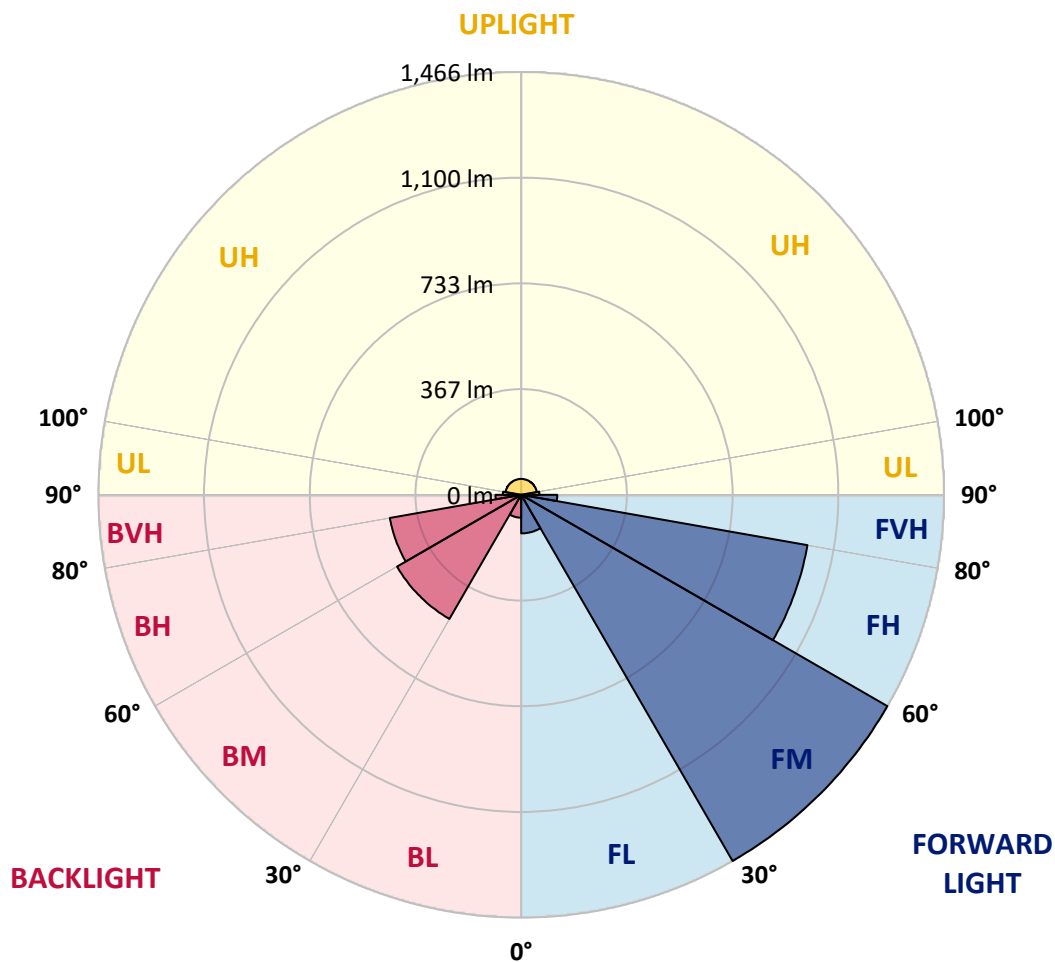
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.7	3.4			
FM (30°-60°)	1466.2	36.9			
FH (60°-80°)	1008.0	25.4			G1/1800
FVH (80°-90°)	125.0	3.1			G2/225
BL (0°-30°)	79.3	2.0	B0/110		
BM (30°-60°)	497.0	12.5	B1/1000		
BH (60°-80°)	462.3	11.6	B1/500		G1/500
BVH (80°-90°)	89.0	2.2			G1/100
UL (90°-100°)	63.6	1.6		U3/500	
UH (100°-180°)	55.1	1.4		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°	75°	76°	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°	129.1	128.2	127.3	126.4	125.4	124.5	122.7	120.4	118.6	118.6	116.7
5°	141.0	140.1	138.7	136.9	135.1	133.2	129.6	125.9	122.2	122.2	119.0
7.5°	155.7	155.2	153.4	151.1	147.0	142.8	138.3	132.8	127.7	127.3	123.2
10°	174.4	173.5	170.8	167.6	163.0	157.5	151.1	144.2	136.9	136.4	131.4
12.5°	200.5	198.7	194.1	189.1	180.4	174.9	167.6	161.2	155.7	154.3	147.4
15°	234.4	232.1	227.1	218.4	206.9	196.9	192.7	185.9	179.9	178.1	171.7
17.5°	277.9	275.6	266.9	253.2	241.3	231.2	222.0	215.2	210.1	209.7	200.5
20°	337.4	331.9	317.7	298.5	282.9	270.6	257.8	250.0	244.9	243.1	237.6
22.5°	410.7	409.3	389.2	364.0	338.3	315.9	301.7	293.0	289.3	289.8	286.6
25°	504.1	499.9	480.7	444.1	405.6	377.3	357.6	352.1	351.6	348.4	347.0
27.5°	603.9	598.4	573.2	537.9	487.1	448.7	426.7	420.7	422.1	418.5	421.2
30°	726.1	723.4	686.7	635.5	580.5	530.2	507.3	502.2	505.4	510.0	507.3
32.5°	877.2	881.3	831.4	762.3	685.4	627.2	602.0	600.2	604.8	603.9	602.5
35°	1061.2	1068.6	999.4	915.7	809.9	740.8	709.2	706.9	716.0	715.1	716.0
37.5°	1258.1	1261.3	1205.0	1072.2	949.1	853.4	827.3	824.5	833.2	828.2	823.2
40°	1413.3	1428.4	1362.5	1248.5	1087.8	990.3	958.7	943.6	935.8	930.3	893.7
42.5°	1560.3	1551.1	1504.4	1377.6	1230.2	1124.0	1081.8	1053.5	1028.3	1024.6	984.3
45°	1656.4	1645.0	1600.6	1483.4	1345.1	1257.2	1218.3	1183.9	1155.6	1142.7	1094.2
47.5°	1661.9	1656.4	1645.9	1558.0	1437.1	1360.7	1347.8	1329.5	1298.4	1298.9	1236.6
50°	1578.1	1569.4	1600.1	1566.7	1482.9	1442.6	1491.1	1511.3	1471.5	1467.3	1402.8
52.5°	1429.8	1425.2	1481.1	1514.0	1484.3	1499.8	1615.2	1688.5	1657.3	1640.9	1557.5
55°	1279.6	1285.1	1333.7	1386.8	1435.8	1516.3	1725.1	1871.1	1809.8	1798.8	1694.9
57.5°	1075.0	1093.3	1165.6	1249.0	1325.9	1493.4	1782.8	1987.0	1971.4	1967.3	1878.5
60°	850.6	848.8	955.9	1077.3	1203.6	1417.9	1786.0	2132.6	2219.1	2199.4	2074.0
62.5°	660.6	665.2	742.1	894.1	1063.5	1303.0	1742.0	2197.6	2255.3	2232.8	2123.4
65°	478.4	485.8	579.6	702.3	893.7	1147.8	1617.1	2109.2	2304.3	2290.5	2228.7
66°	429.9	423.5	505.9	645.1	826.8	1079.1	1538.3	2055.6	2307.0	2299.2	2225.5
67.5°	345.7	353.9	417.5	538.9	719.2	969.7	1395.9	1970.0	2235.6	2225.0	2175.6
70°	255.9	263.7	307.2	404.3	545.7	773.3	1154.2	1701.7	2067.1	2074.9	2069.4
72.5°	189.5	197.8	227.5	297.6	403.8	575.0	914.7	1434.4	1767.7	1786.0	1773.2
75°	147.4	150.6	175.3	224.3	295.3	405.2	676.7	1111.6	1439.0	1472.8	1484.7
77.5°	118.6	121.3	141.5	173.1	221.1	295.8	474.3	828.7	1139.1	1162.9	1185.3
80°	95.7	97.5	114.0	139.2	169.4	211.5	320.0	602.0	874.0	887.7	920.7
82.5°	76.9	78.3	90.2	111.7	135.5	160.7	227.5	420.3	686.3	699.1	740.8
85°	60.4	61.3	71.9	88.8	109.0	127.3	164.4	297.1	494.5	506.4	556.7
87.5°	47.6	48.5	56.8	69.1	87.9	100.7	121.3	200.1	333.8	350.7	407.9
90°	37.5	38.0	44.0	53.6	68.2	82.0	95.2	139.6	222.5	232.1	264.2
92.5°	28.4	28.8	33.4	40.7	53.1	65.0	72.8	96.6	142.4	146.5	169.4
95°	21.1	21.5	25.2	29.8	39.8	50.8	56.3	67.8	89.7	95.2	101.2
97.5°	16.5	16.9	19.2	22.0	29.3	39.8	44.9	49.9	61.3	63.2	67.8
100°	14.2	14.2	15.6	17.4	22.0	31.1	35.3	39.4	46.2	46.2	49.0
102.5°	11.9	11.9	12.8	13.7	17.9	24.7	28.4	31.1	34.8	35.3	37.5
105°	10.5	10.5	11.0	11.9	15.1	20.1	23.3	24.7	27.0	27.0	27.9
107.5°	9.2	9.2	9.6	10.1	13.3	16.9	18.8	19.2	20.1	20.1	21.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	8.7	8.7	8.7	9.2	11.4	14.7	15.6	15.1	15.6	15.6	16.9
112.5°	8.2	7.8	7.8	8.2	10.5	12.8	12.8	12.4	12.4	12.4	13.7
115°	7.8	7.8	7.3	7.8	9.6	11.0	11.0	10.1	10.1	10.1	11.4
117.5°	7.8	7.8	7.3	7.3	8.7	10.1	9.6	8.7	8.2	8.7	10.1
120°	7.8	7.8	6.9	6.9	8.2	8.7	8.7	7.3	7.3	7.3	8.7
122.5°	7.8	7.8	6.9	6.9	7.8	8.2	7.8	6.4	6.4	6.4	7.8
125°	8.2	7.8	6.9	6.9	7.3	7.3	6.9	6.0	5.5	5.5	6.9
127.5°	8.2	8.2	7.3	6.9	6.9	6.9	6.4	5.5	5.0	5.0	6.4
130°	9.2	8.7	7.8	6.9	6.4	6.0	5.5	5.0	5.0	5.0	6.0
132.5°	9.2	9.2	7.8	6.4	6.0	5.5	5.0	4.1	4.6	4.6	5.5
135°	8.7	8.2	6.9	6.0	5.5	4.6	4.1	3.7	4.1	4.1	5.0
137.5°	7.8	7.3	6.4	5.0	4.6	3.7	3.2	2.7	3.2	3.2	4.1
140°	6.4	6.4	5.0	4.1	3.7	3.2	2.7	1.8	2.3	2.7	3.2
142.5°	5.5	5.0	4.1	3.2	2.7	2.3	1.8	1.4	1.8	1.8	2.3
145°	4.6	4.1	3.2	2.3	1.8	1.4	0.9	0.9	0.9	0.9	1.4
147.5°	3.7	3.2	2.3	1.4	0.9	0.9	0.5	0.5	0.9	0.9	0.9
150°	2.7	2.7	1.8	0.9	0.5	0.5	0.0	0.5	0.5	0.5	0.5
152.5°	2.3	2.3	1.4	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
155°	1.4	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	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°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
2.5°	116.3	115.4	114.5	113.5	112.6	112.2	110.8	109.9	109.9	109.9	109.4
5°	117.7	115.8	113.5	111.7	109.4	107.6	106.2	104.8	103.9	103.9	103.9
7.5°	120.9	119.0	114.9	111.3	108.0	105.3	103.5	102.1	101.6	101.2	101.2
10°	128.2	125.0	119.5	114.0	109.4	105.8	103.9	103.0	102.6	102.6	102.6
12.5°	144.7	140.1	131.9	122.7	114.9	109.4	107.6	107.6	110.3	111.7	111.7
15°	166.6	162.5	152.9	140.1	127.7	118.6	117.2	120.4	124.1	125.9	125.4
17.5°	196.9	191.4	178.6	161.6	145.1	136.0	131.9	135.1	139.6	141.9	141.9
20°	232.6	227.1	209.7	186.8	166.6	156.6	150.2	150.2	156.1	158.0	158.9
22.5°	281.6	273.3	248.6	217.0	190.9	175.3	167.6	166.2	173.1	176.3	175.3
25°	336.5	330.1	301.3	254.1	220.2	195.0	184.5	184.5	193.2	200.5	201.0
27.5°	413.4	397.4	357.1	299.4	248.6	213.3	201.9	204.2	213.3	220.7	220.7
30°	494.0	482.6	423.5	347.5	276.1	230.3	213.8	217.5	225.7	234.0	234.0
32.5°	591.5	572.3	499.5	395.1	301.3	241.3	220.2	225.3	234.9	243.1	243.1
35°	686.7	671.2	575.9	445.0	323.2	245.9	223.0	228.9	239.9	250.0	250.9
37.5°	797.5	763.7	650.6	489.9	339.3	246.8	222.0	232.6	247.2	258.7	259.1
40°	863.9	823.2	700.9	523.3	346.6	243.6	222.0	235.3	247.7	251.8	251.3
42.5°	942.7	891.4	736.2	527.4	337.4	237.2	221.6	232.1	237.6	237.6	237.2
45°	1048.4	990.7	792.0	529.7	318.6	229.4	217.9	224.8	223.4	219.3	217.9
47.5°	1178.0	1107.9	863.0	537.9	300.3	221.6	213.8	215.6	209.2	200.1	199.6
50°	1332.7	1250.3	946.3	546.6	284.3	215.2	210.1	208.3	201.9	194.1	193.2
52.5°	1477.9	1378.5	1021.9	552.6	271.0	211.1	207.4	206.9	200.5	190.5	189.5
55°	1609.3	1490.2	1072.7	541.2	259.1	209.2	207.4	207.9	199.6	189.5	188.2
57.5°	1799.3	1668.8	1153.3	524.2	244.9	208.8	208.8	209.2	199.2	189.5	188.2
60°	1964.5	1819.4	1232.5	522.8	231.2	208.3	209.2	208.8	201.4	195.5	194.1
62.5°	2021.3	1883.0	1236.1	489.9	222.5	206.0	207.4	209.7	208.3	205.6	204.2
65°	2128.4	1977.4	1251.7	452.8	210.1	201.9	205.1	211.1	212.0	210.1	208.8
66°	2120.7	1964.1	1236.6	441.3	206.0	199.6	203.7	210.1	212.0	211.5	210.6
67.5°	2082.2	1929.7	1186.7	408.8	200.1	195.5	201.4	207.9	212.0	213.3	212.4
70°	1978.3	1826.3	1087.3	359.9	188.6	185.9	194.1	202.4	209.2	211.5	211.1
72.5°	1685.7	1541.1	909.7	307.2	172.6	172.1	181.8	191.8	200.1	202.4	201.4
75°	1415.1	1272.8	747.2	253.2	156.1	156.6	165.7	175.3	181.8	181.8	182.2
77.5°	1134.5	1014.1	592.0	210.1	139.2	139.2	145.6	153.4	157.5	155.7	152.9
80°	872.6	793.0	462.4	175.8	122.2	121.3	124.5	130.5	133.7	129.6	126.4
82.5°	704.6	635.9	365.8	146.5	105.8	104.8	106.2	110.3	112.2	107.6	106.2
85°	534.7	472.9	275.2	120.4	91.6	89.3	91.6	92.5	94.8	90.7	87.9
87.5°	378.2	335.1	199.6	100.3	78.3	76.9	76.5	77.4	78.7	76.0	74.6
90°	254.1	223.0	144.2	83.8	66.8	64.6	63.6	63.6	64.6	60.0	58.6
92.5°	163.0	144.2	100.3	66.8	55.9	53.1	51.3	51.7	51.3	46.7	45.8
95°	101.6	92.0	72.3	52.7	44.9	42.6	40.7	40.3	39.8	36.6	35.7
97.5°	66.4	63.2	54.0	41.7	35.7	33.9	33.0	32.5	32.5	30.2	28.8
100°	49.4	48.1	42.6	34.8	29.3	27.9	27.0	27.0	27.9	26.1	25.2
102.5°	38.5	38.9	34.8	29.3	24.7	23.8	22.9	22.9	23.8	22.9	22.4
105°	29.3	29.3	28.4	24.3	21.1	20.6	19.7	19.7	20.6	20.6	20.6
107.5°	22.9	23.8	22.9	20.1	18.3	17.9	16.9	16.9	17.9	18.3	18.8



REPORT NUMBER: P414993

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.3	19.2	18.8	17.4	16.0	15.6	14.7	14.2	15.1	16.5	16.5
112.5°	14.7	15.6	15.6	14.7	13.7	13.7	12.8	12.4	13.3	14.7	14.7
115°	12.4	13.3	13.3	12.8	12.4	11.9	11.0	10.5	11.4	12.8	13.3
117.5°	10.5	11.4	11.4	11.4	11.0	10.5	9.6	9.2	9.6	11.0	11.4
120°	9.6	10.1	10.1	10.1	9.6	9.6	8.7	8.2	8.7	10.1	10.1
122.5°	8.2	8.7	9.2	9.2	8.7	8.7	7.8	6.9	7.3	8.7	9.2
125°	7.3	7.8	8.2	8.2	7.8	7.8	6.9	6.4	6.9	7.8	8.2
127.5°	6.9	7.3	7.3	7.3	7.3	6.9	6.0	5.5	6.0	7.3	7.3
130°	6.4	6.9	6.9	6.9	6.4	6.0	5.5	5.0	5.5	6.9	6.9
132.5°	6.0	6.4	6.4	6.0	6.0	5.5	4.6	4.1	5.0	6.0	6.0
135°	5.0	5.5	5.5	5.5	5.0	4.6	4.1	3.7	4.6	5.0	5.0
137.5°	4.1	4.6	4.6	4.6	4.1	3.7	3.2	3.2	3.7	4.6	4.6
140°	3.2	3.7	3.7	3.7	3.2	3.2	2.7	2.3	3.2	3.7	3.7
142.5°	2.3	2.7	2.7	2.7	2.3	2.3	1.8	1.8	2.7	3.2	3.2
145°	1.4	1.8	1.8	1.8	1.8	1.4	1.4	1.4	1.8	2.3	2.3
147.5°	0.9	1.4	1.4	1.4	1.4	0.9	0.5	0.9	1.4	1.8	1.8
150°	0.5	0.9	0.9	0.9	0.9	0.5	0.0	0.5	0.9	1.4	1.4
152.5°	0.5	0.5	0.9	0.9	0.5	0.5	0.0	0.0	0.5	0.5	0.5
155°	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.0
157.5°	0.0	0.0	0.0	0.5	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)