

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: P415054

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415054  
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-PA1-40-730-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 4338.1 lumens  
Efficiency: N/A  
Efficacy: 108.5 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 - 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

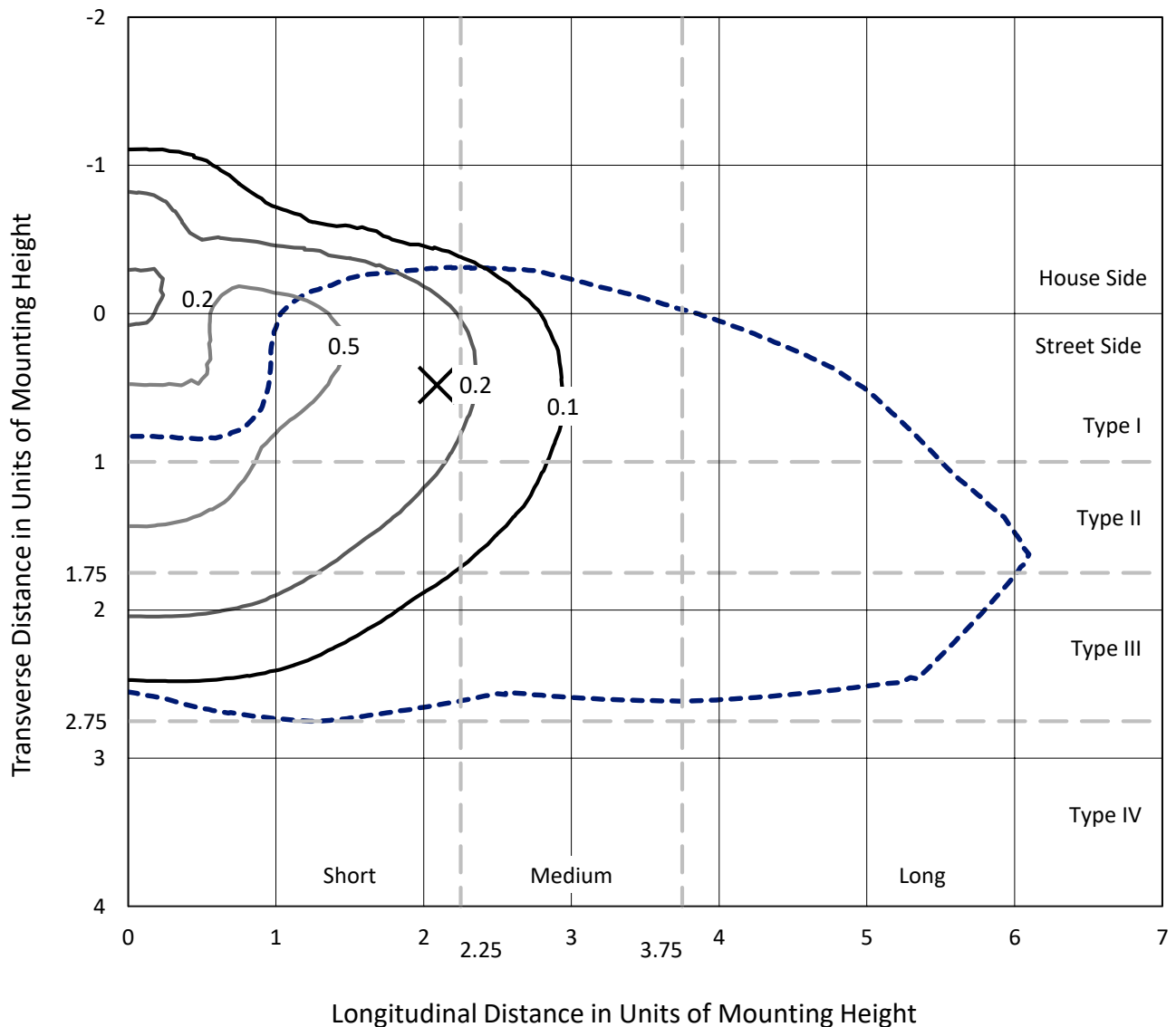


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

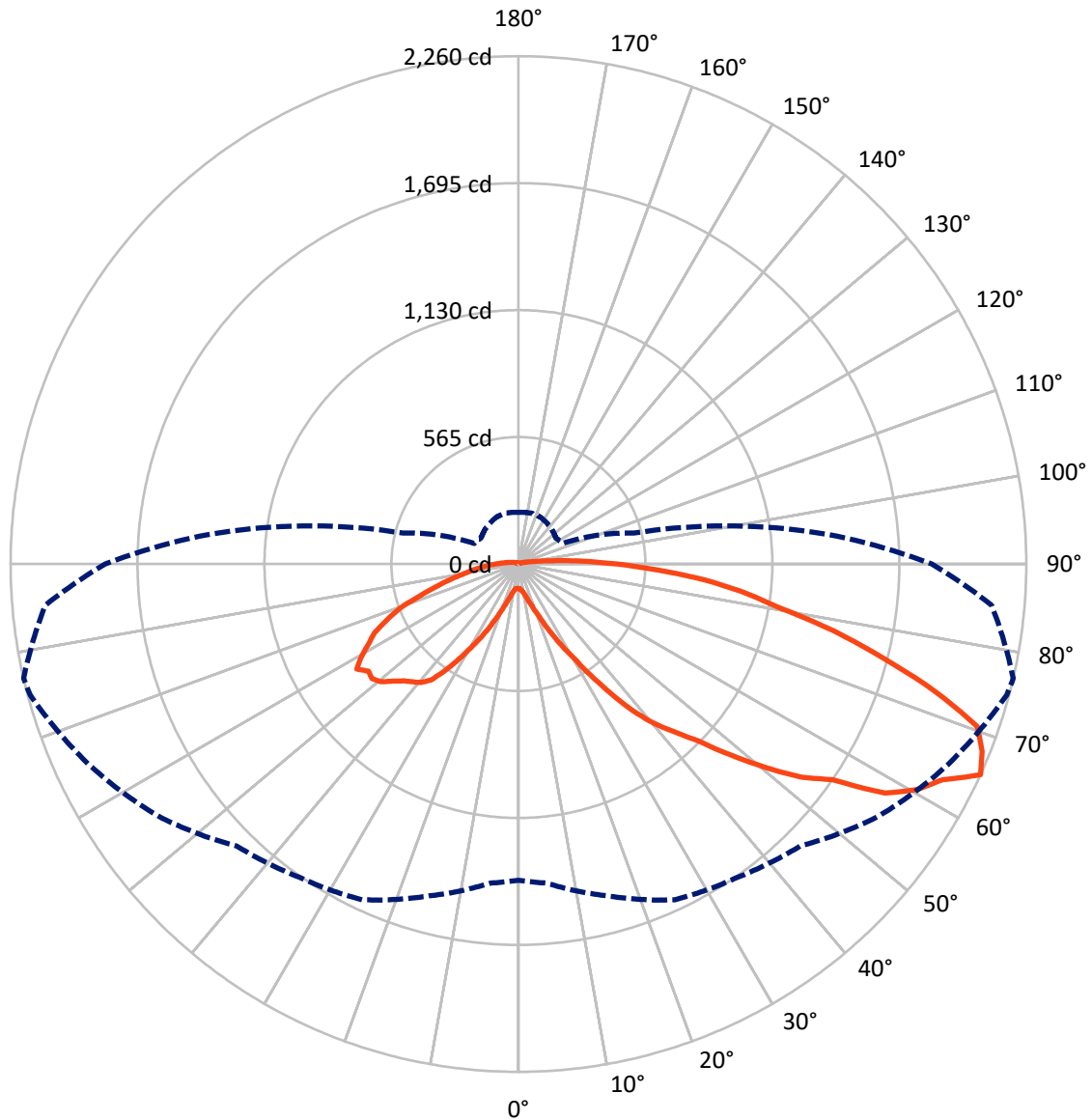


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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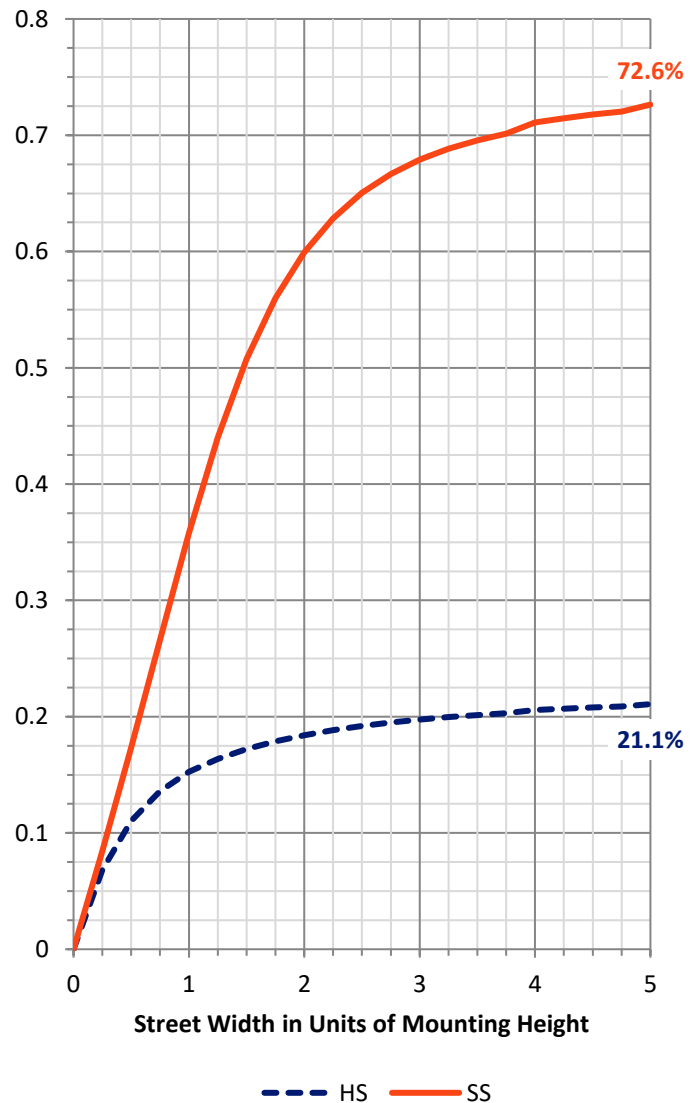
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	955.9	68.0	1023.9
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	3229.1	85.0	3314.2
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	4185.0	153.0	4338.1
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.2	0.3
10°-20°	47.5	1.1
20°-30°	139.2	3.2
30°-40°	333.3	7.7
40°-50°	600.2	13.8
50°-60°	912.9	21.0
60°-70°	1076.9	24.8
70°-80°	742.1	17.1
80°-90°	321.8	7.4
90°-100°	93.9	2.2
100°-110°	29.4	0.7
110°-120°	13.8	0.3
120°-130°	8.1	0.2
130°-140°	4.9	0.1
140°-150°	2.1	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4185.0	96.5
0°-180°	4338.1	100.0



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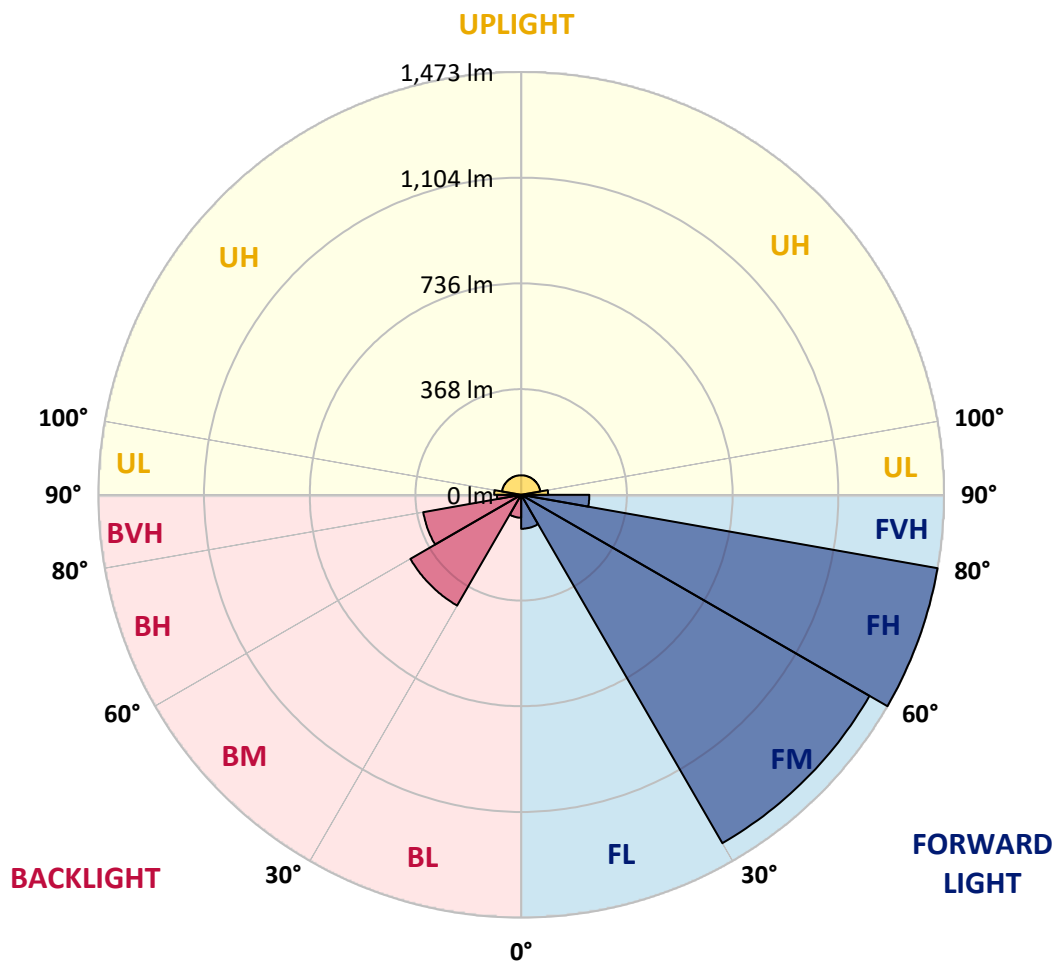
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.2	2.7			
FM	(30°-60°)	1400.9	32.3			
FH	(60°-80°)	1472.7	33.9			G1/1800
FVH	(80°-90°)	237.4	5.5			G3/500
BL	(0°-30°)	79.7	1.8	B0/110		
BM	(30°-60°)	445.5	10.3	B1/1000		
BH	(60°-80°)	346.3	8.0	B1/500		G1/500
BVH	(80°-90°)	84.4	1.9			G1/100
UL	(90°-100°)	93.9	2.2		U3/500	
UH	(100°-180°)	68.0	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	117.2	116.7	116.7	117.2	116.2	115.2	113.7	112.2	110.7	110.7	109.7
5°	126.7	126.2	126.2	126.2	124.2	122.7	119.2	117.2	115.2	114.2	112.7
7.5°	139.1	137.6	138.1	137.6	134.6	131.6	128.2	124.2	121.7	121.2	118.2
10°	155.6	154.6	153.6	151.6	148.6	143.6	138.6	135.1	131.6	131.1	127.7
12.5°	179.0	178.0	176.0	171.5	165.0	159.1	154.1	150.1	148.1	147.1	143.6
15°	207.4	204.4	203.4	196.5	187.5	180.5	175.0	172.5	170.5	170.5	166.0
17.5°	240.8	240.8	235.9	226.4	214.9	206.4	201.0	196.5	198.0	197.5	195.0
20°	282.2	281.2	273.8	261.3	247.3	239.3	232.4	229.9	231.9	233.9	233.9
22.5°	342.1	339.6	328.1	309.2	288.7	275.7	270.8	270.3	278.2	280.7	283.7
25°	409.4	405.9	391.4	368.5	343.1	323.1	316.1	321.6	336.1	341.6	347.6
27.5°	490.7	488.7	466.7	435.3	404.9	379.0	371.0	387.9	407.4	409.4	421.4
30°	595.4	596.4	566.5	521.1	469.2	442.3	433.3	453.8	482.7	484.7	508.6
32.5°	716.5	716.5	671.7	616.8	550.0	512.1	503.6	536.5	581.9	588.9	611.8
35°	871.1	862.1	804.8	726.0	642.2	585.9	584.9	636.3	698.6	705.6	730.5
37.5°	1009.7	1015.2	956.9	854.2	741.0	676.2	684.6	750.0	828.7	830.7	857.7
40°	1159.8	1165.8	1097.0	989.8	850.7	777.9	794.8	855.7	934.0	935.4	944.9
42.5°	1277.5	1293.0	1228.6	1117.0	976.3	893.6	897.6	954.4	1014.7	1022.2	1028.7
45°	1347.8	1359.3	1323.9	1234.6	1087.0	1009.2	999.8	1046.1	1124.9	1122.9	1132.4
47.5°	1458.5	1472.0	1417.6	1336.4	1211.7	1115.5	1103.5	1163.8	1260.6	1270.5	1261.6
50°	1573.2	1591.2	1551.8	1457.0	1328.4	1234.6	1236.1	1304.9	1417.6	1421.1	1426.6
52.5°	1653.5	1666.5	1651.0	1585.2	1448.5	1363.3	1376.7	1459.0	1569.7	1576.2	1554.3
55°	1666.0	1685.9	1698.4	1683.4	1580.2	1495.9	1530.3	1612.6	1687.4	1692.9	1675.9
57.5°	1662.0	1678.4	1704.8	1716.3	1664.5	1632.5	1676.9	1761.2	1905.3	1923.8	1915.3
60°	1657.5	1669.4	1724.3	1741.2	1711.8	1737.3	1808.1	1958.2	2037.4	2038.9	1961.6
62.5°	1532.8	1552.8	1656.0	1741.2	1733.3	1781.6	1936.7	2040.9	2103.8	2115.2	2041.4
65°	1407.7	1425.1	1528.8	1648.5	1701.4	1774.2	1956.7	2110.2	2249.9	2260.3	2114.2
67.5°	1226.7	1254.1	1367.3	1511.4	1576.2	1692.4	1904.3	2134.7	2221.4	2225.9	2058.9
70°	999.3	1036.7	1164.3	1316.4	1394.2	1511.9	1787.1	2047.4	2168.6	2166.1	1967.1
72.5°	720.0	753.4	870.1	1050.6	1172.3	1301.0	1572.7	1873.9	1942.7	1940.2	1673.4
75°	489.2	507.1	594.9	759.9	934.9	1086.0	1354.8	1625.6	1683.9	1679.4	1433.6
77.5°	320.6	341.1	397.9	539.0	702.1	876.1	1137.4	1360.8	1452.5	1436.1	1215.2
80°	196.5	207.9	254.8	364.0	532.0	707.1	940.4	1151.4	1198.7	1174.8	992.3
82.5°	122.7	131.6	165.0	240.3	382.0	546.0	771.4	969.4	1022.2	995.3	816.3
85°	75.3	79.8	102.7	158.1	259.3	401.4	620.3	786.4	818.8	799.3	615.3
87.5°	54.9	55.8	70.3	106.7	175.0	287.2	456.8	592.4	615.8	579.9	431.3
90°	40.4	42.4	51.9	75.3	121.7	195.0	314.6	416.9	422.8	400.9	288.2
92.5°	30.4	31.4	38.9	53.4	83.8	133.1	209.9	279.2	273.8	258.3	179.0
95°	21.9	22.4	27.9	37.9	58.8	89.3	133.6	175.0	157.6	151.1	108.7
97.5°	18.0	18.4	22.4	29.4	43.4	62.8	86.3	104.2	92.7	88.8	69.8
100°	15.5	15.5	18.9	24.4	33.9	46.9	57.3	65.3	59.8	57.8	49.4
102.5°	14.0	14.0	16.5	20.4	27.9	36.9	42.4	44.9	41.9	40.4	36.4
105°	12.5	12.5	14.5	17.5	23.4	29.9	32.4	32.9	29.9	29.4	27.9
107.5°	11.5	11.5	13.0	15.5	19.9	24.9	25.9	24.4	22.9	21.9	21.9
110°	10.0	10.5	11.5	13.5	17.5	20.9	20.9	18.9	17.0	17.0	17.5



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	9.5	9.5	10.5	12.5	15.5	18.0	17.0	15.0	13.5	13.5	14.5
115°	8.5	8.5	9.5	11.5	14.0	15.5	14.5	12.5	11.0	11.5	12.5
117.5°	8.0	8.0	9.0	10.5	12.5	13.5	12.5	10.5	9.5	10.0	11.5
120°	8.0	8.0	9.0	10.0	11.5	12.0	11.0	9.0	8.5	8.5	10.0
122.5°	8.0	8.0	8.5	10.0	11.0	11.0	9.5	8.0	7.5	7.5	9.0
125°	8.0	8.0	9.0	10.0	10.0	10.0	8.5	7.0	6.5	7.0	8.0
127.5°	8.5	8.5	9.0	9.5	9.5	9.0	7.5	6.5	6.0	6.5	7.5
130°	8.5	8.5	9.0	9.5	9.0	8.0	7.0	6.0	6.0	6.0	7.5
132.5°	8.5	8.5	9.0	9.0	8.5	7.0	6.0	5.0	5.5	6.0	7.0
135°	8.0	8.0	8.0	8.0	7.5	6.5	5.0	4.5	5.0	5.5	6.5
137.5°	7.5	7.5	7.5	7.5	6.5	5.5	4.0	3.5	4.5	4.5	5.5
140°	6.5	6.5	7.0	6.5	6.0	4.5	3.5	2.5	3.5	3.5	4.5
142.5°	6.0	6.0	6.0	6.0	5.0	4.0	2.5	2.5	3.0	3.0	3.5
145°	5.0	5.0	5.5	5.0	4.0	3.0	2.0	2.0	2.5	2.5	3.0
147.5°	4.0	4.5	4.5	4.0	3.5	2.5	1.5	1.5	2.0	2.0	2.5
150°	3.5	3.5	3.5	3.5	2.5	1.5	1.0	1.5	2.0	2.0	2.0
152.5°	2.5	2.5	3.0	3.0	2.0	1.0	1.0	1.5	1.5	1.5	2.0
155°	2.0	2.0	2.5	2.0	1.5	0.5	1.0	1.0	1.5	1.5	1.5
157.5°	1.0	1.0	1.5	1.5	1.0	0.5	0.5	1.0	1.0	1.0	1.5
160°	0.5	0.5	1.5	1.5	1.0	0.5	0.5	0.5	1.0	1.0	1.0
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°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	109.2	108.2	107.7	106.7	105.7	104.7	104.7	104.7	104.2	103.7	104.2
5°	111.2	110.7	108.2	106.2	104.2	103.2	102.2	101.7	101.7	100.7	100.7
7.5°	116.7	114.7	111.2	107.7	105.7	103.7	102.2	101.7	101.2	100.2	100.2
10°	125.2	122.7	118.7	113.2	109.7	106.2	104.7	104.7	104.2	103.7	103.7
12.5°	141.1	138.1	131.1	123.7	116.7	111.7	110.7	112.2	115.2	115.7	115.7
15°	164.6	161.1	152.1	140.1	129.1	122.2	123.2	127.2	131.1	132.6	132.6
17.5°	193.5	189.5	176.5	159.1	144.6	138.1	137.6	143.1	148.6	151.6	151.6
20°	232.4	225.9	208.9	184.0	164.1	156.6	153.6	158.6	167.0	170.5	169.5
22.5°	280.7	273.3	249.3	211.4	186.5	173.0	169.0	174.5	185.0	189.5	189.0
25°	344.6	337.1	298.2	245.8	208.4	187.5	185.0	193.0	208.4	217.4	216.4
27.5°	418.9	406.4	354.5	284.2	229.9	199.5	200.0	213.4	229.4	239.3	238.3
30°	498.1	482.2	411.4	321.1	249.8	212.9	211.9	227.9	244.3	254.8	254.8
32.5°	602.9	579.4	477.2	356.5	265.3	223.4	219.9	237.9	254.8	265.8	265.3
35°	715.0	683.6	546.0	393.9	278.2	228.9	224.9	243.3	260.8	273.8	273.8
37.5°	843.7	790.3	610.3	419.9	287.2	231.9	226.4	247.3	268.8	282.2	281.2
40°	911.5	851.7	641.3	431.3	288.7	232.4	228.9	250.8	268.8	273.8	271.3
42.5°	987.3	910.0	654.2	417.4	283.2	231.4	230.4	247.3	255.3	253.8	252.3
45°	1083.0	978.8	666.7	399.9	270.3	229.9	227.9	237.9	238.3	232.4	230.4
47.5°	1205.2	1073.6	687.1	379.0	257.3	226.4	223.9	228.4	219.9	208.9	205.4
50°	1336.4	1183.3	712.6	361.0	245.3	221.9	219.4	217.9	209.4	198.5	196.5
52.5°	1450.5	1257.6	719.5	342.1	237.4	218.9	215.9	214.4	206.4	194.0	191.5
55°	1552.8	1320.9	695.1	313.6	230.9	216.9	215.9	215.9	207.4	194.5	192.0
57.5°	1754.7	1472.5	704.1	284.7	222.4	216.4	217.9	218.4	210.4	198.0	195.5
60°	1760.7	1443.6	651.7	264.3	214.9	216.4	219.9	220.9	215.4	206.9	205.4
62.5°	1818.0	1444.6	581.4	237.9	209.9	215.4	221.4	224.9	225.4	220.4	219.4
65°	1839.0	1423.6	530.6	216.9	202.9	212.9	221.9	230.4	233.4	230.9	229.9
67.5°	1758.7	1327.4	461.2	202.9	196.0	208.9	221.4	231.9	238.3	239.8	239.8
70°	1653.0	1219.2	399.4	189.5	188.5	203.4	217.9	231.9	240.8	244.8	244.8
72.5°	1384.7	1001.3	329.6	175.5	178.5	195.0	210.4	227.4	237.4	240.8	239.3
75°	1158.3	824.3	271.3	163.6	168.5	184.5	200.0	216.4	223.4	225.4	223.9
77.5°	979.8	685.6	222.9	152.6	156.6	171.0	185.0	196.5	201.0	200.0	197.5
80°	789.8	535.0	183.0	139.1	143.1	154.6	164.6	173.5	178.0	175.5	174.0
82.5°	628.8	425.3	156.1	127.2	128.6	138.1	145.1	152.1	159.6	157.6	153.6
85°	465.2	313.1	132.6	114.2	114.2	121.2	124.7	131.1	141.6	141.1	139.6
87.5°	318.1	222.9	112.7	101.2	100.7	104.7	106.7	113.7	127.2	127.7	126.2
90°	209.4	152.6	94.2	87.8	86.8	89.8	91.3	97.2	108.2	109.2	107.2
92.5°	136.1	105.7	77.3	74.3	73.8	76.3	75.8	79.8	87.3	86.8	85.3
95°	87.3	73.8	62.8	61.3	59.8	62.8	61.8	62.8	66.8	65.8	65.8
97.5°	60.3	56.3	51.9	49.4	48.4	51.4	50.4	50.4	52.4	50.4	49.4
100°	46.4	44.9	42.9	40.9	38.9	41.4	41.4	41.4	42.9	39.9	38.9
102.5°	35.9	35.4	35.4	33.9	32.4	34.4	34.9	35.4	34.9	31.9	31.4
105°	28.4	28.4	29.4	27.9	27.4	28.9	29.4	28.9	28.9	26.4	26.4
107.5°	22.4	23.4	24.4	23.4	23.4	24.4	24.4	24.4	23.4	21.9	22.4
110°	18.4	19.4	20.9	19.9	19.9	20.9	20.4	19.9	19.4	18.9	18.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.0	16.5	17.5	17.0	17.5	18.0	17.5	16.5	16.5	16.5	17.0
115°	13.5	14.5	15.5	15.0	15.0	15.5	14.5	14.0	14.0	14.5	14.5
117.5°	12.0	13.0	13.5	13.5	13.0	13.5	12.5	12.0	12.5	13.0	13.0
120°	11.0	11.5	12.0	12.0	11.5	11.5	11.0	10.5	11.0	11.5	12.0
122.5°	10.0	10.5	10.5	11.0	10.5	10.0	9.5	9.5	10.0	10.5	10.5
125°	9.0	9.5	9.5	9.5	9.5	9.0	8.5	8.5	9.0	9.5	10.0
127.5°	8.0	8.5	8.5	9.0	8.5	8.0	7.5	8.0	8.5	9.0	9.0
130°	8.0	8.0	8.0	8.0	7.5	7.0	7.0	7.0	8.0	8.5	8.5
132.5°	7.5	8.0	7.5	7.5	7.0	6.0	6.0	6.5	7.5	8.0	8.0
135°	7.0	7.0	6.5	6.5	6.0	5.5	5.0	6.0	6.5	7.0	7.0
137.5°	6.0	6.0	5.5	5.0	5.0	4.5	4.5	5.0	6.0	6.5	6.5
140°	4.5	5.0	4.5	4.0	4.0	3.5	4.0	4.5	5.5	5.5	5.5
142.5°	3.5	4.0	3.5	3.0	3.0	3.0	3.0	4.0	5.0	5.0	5.0
145°	3.0	3.0	3.0	2.5	2.0	2.0	2.5	3.5	4.5	4.5	4.5
147.5°	2.5	2.5	2.5	2.0	1.5	1.5	2.0	3.0	3.5	3.5	3.5
150°	2.0	2.0	2.0	2.0	1.5	1.0	1.5	2.5	3.0	3.0	3.0
152.5°	2.0	2.0	2.0	1.5	1.0	0.5	1.0	2.0	2.5	2.5	2.5
155°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.5	2.0	2.0	2.0
157.5°	1.5	1.5	1.5	1.0	0.5	0.0	0.5	1.5	2.0	1.5	1.5
160°	1.0	1.0	1.0	1.0	0.5	0.0	0.5	1.0	1.5	1.0	1.0
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)