

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: P415051

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415051  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
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-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4308 lumens  
Efficiency: N/A  
Efficacy: 107.7 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 (A<sub>in</sub>): 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

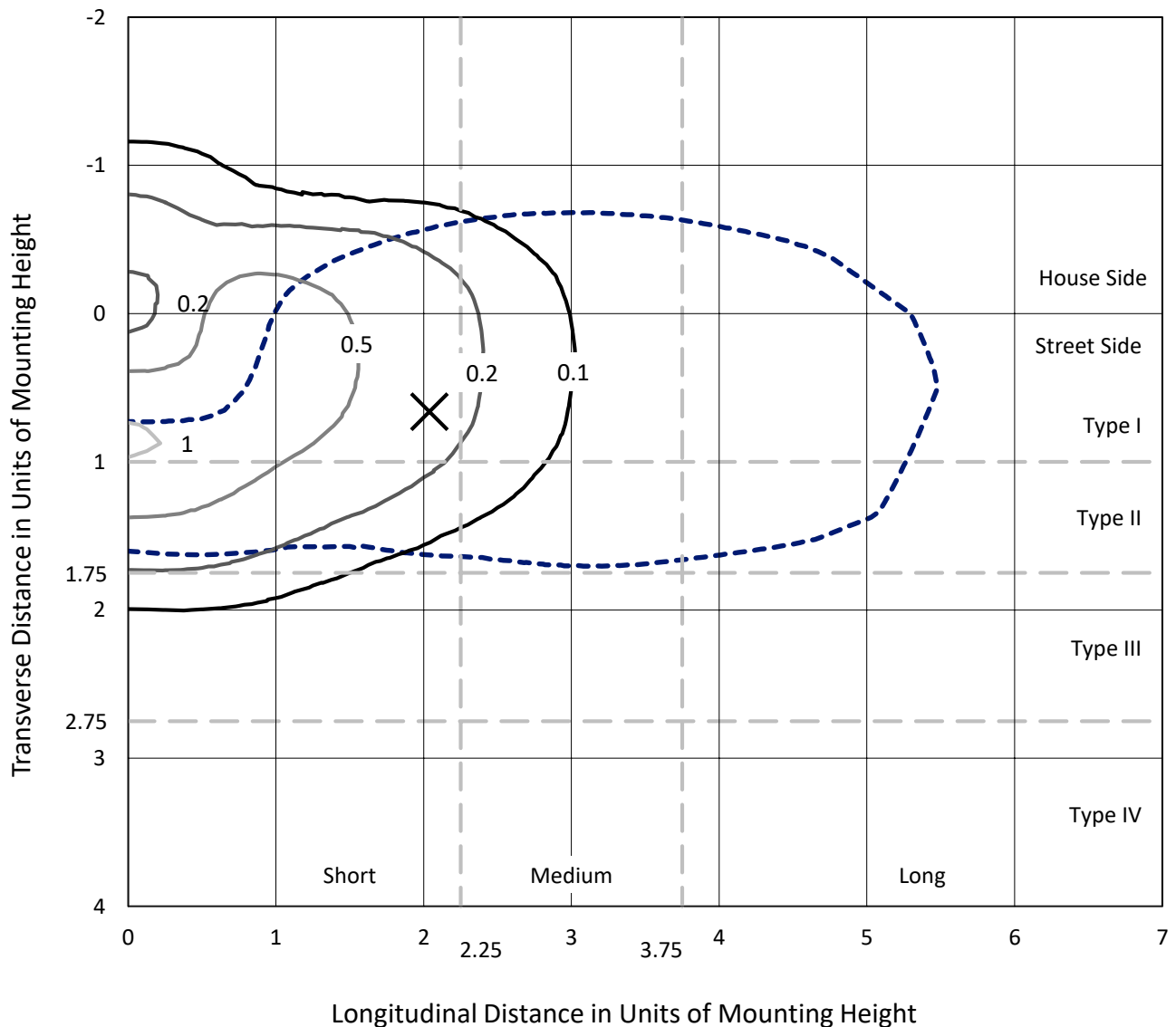


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

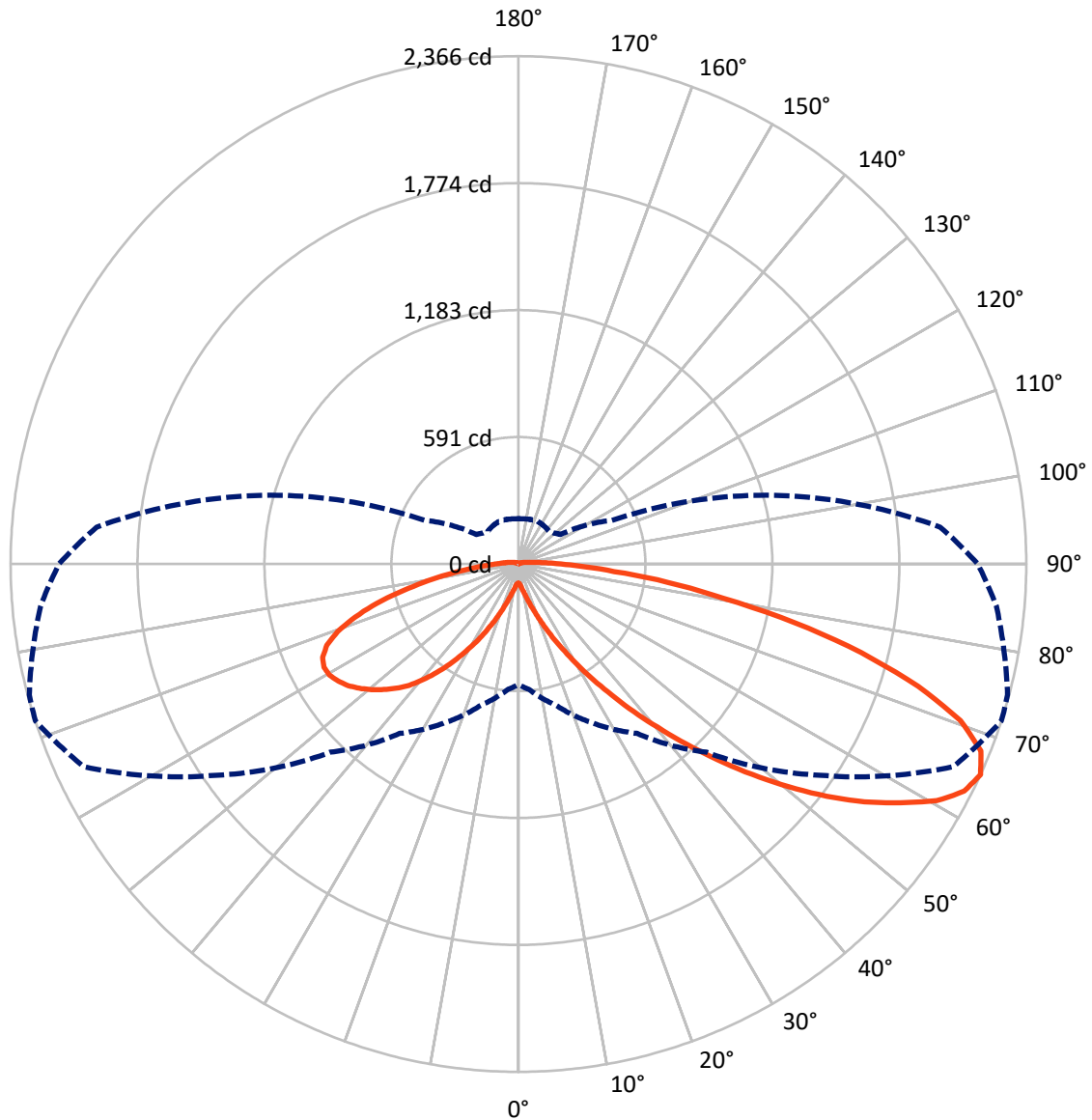


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1214.6	61.1	1275.8
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	2972.7	59.6	3032.3
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	4187.3	120.8	4308.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.2	0.2
10°-20°	52.1	1.2
20°-30°	165.1	3.8
30°-40°	395.6	9.2
40°-50°	730.4	17.0
50°-60°	995.2	23.1
60°-70°	970.3	22.5
70°-80°	633.7	14.7
80°-90°	234.7	5.4
90°-100°	65.2	1.5
100°-110°	27.3	0.6
110°-120°	13.8	0.3
120°-130°	7.8	0.2
130°-140°	4.4	0.1
140°-150°	1.8	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4187.3	97.2
0°-180°	4308.0	100.0



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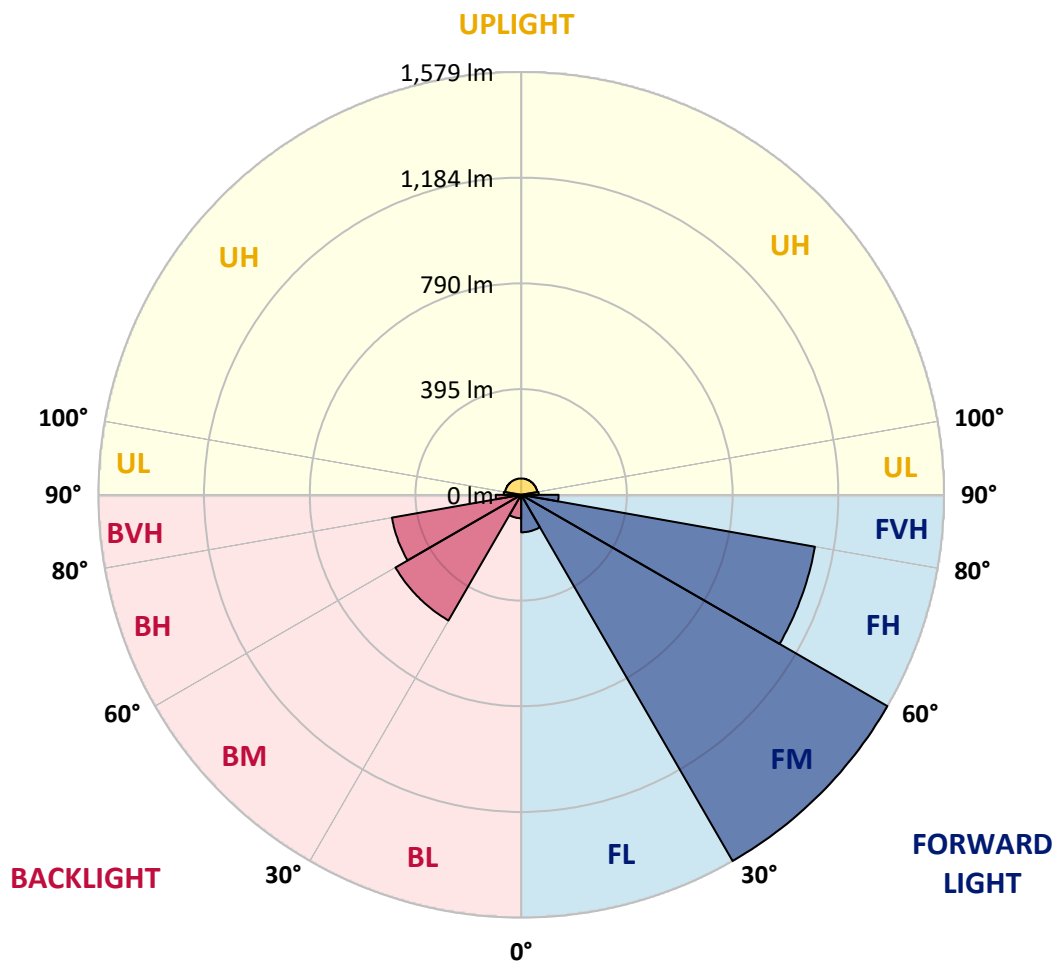
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.9	3.2			
FM	(30°-60°)	1579.1	36.7			
FH	(60°-80°)	1113.9	25.9			G1/1800
FVH	(80°-90°)	139.7	3.2			G2/225
BL	(0°-30°)	87.5	2.0	B0/110		
BM	(30°-60°)	542.1	12.6	B1/1000		
BH	(60°-80°)	490.1	11.4	B1/500		G1/500
BVH	(80°-90°)	95.0	2.2			G1/100
UL	(90°-100°)	65.2	1.5		U3/500	
UH	(100°-180°)	61.1	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°	72°	75°	85°
0°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2.5°	99.2	98.7	97.7	97.2	97.2	96.2	95.2	93.7	92.7	92.2	91.2
5°	112.2	111.2	110.2	109.2	108.2	106.7	104.2	102.7	100.7	100.2	98.2
7.5°	130.6	129.6	126.6	125.6	124.2	122.2	119.2	116.2	114.2	112.7	109.7
10°	155.1	154.1	152.1	149.6	146.6	142.6	137.6	134.6	129.6	130.6	126.1
12.5°	188.5	186.0	183.5	179.5	173.5	169.0	162.0	159.1	153.6	153.6	148.1
15°	228.9	228.4	223.4	214.9	209.4	199.9	194.0	187.5	184.0	184.0	179.5
17.5°	281.2	277.7	273.7	262.3	249.8	238.3	230.4	225.9	221.9	220.9	214.9
20°	346.0	341.0	335.1	314.6	299.7	285.7	274.2	270.7	267.8	267.3	262.3
22.5°	428.3	417.8	406.9	386.9	363.0	338.6	330.6	322.6	323.1	324.1	312.6
25°	519.6	516.6	497.1	468.7	437.3	410.4	388.4	385.4	388.4	386.4	381.9
27.5°	636.7	626.8	602.3	565.9	516.1	484.6	461.2	459.2	459.7	462.2	454.7
30°	773.3	768.4	737.4	676.6	612.3	570.4	545.0	541.5	547.5	548.0	536.5
32.5°	934.4	924.4	877.1	809.2	721.5	668.1	639.2	638.2	644.7	646.2	637.2
35°	1097.4	1092.5	1045.6	948.4	852.1	771.4	741.9	743.9	748.4	757.4	746.9
37.5°	1285.4	1272.0	1211.6	1108.9	987.2	890.5	859.1	866.1	873.1	873.1	858.6
40°	1462.9	1457.9	1394.6	1265.5	1119.9	1030.1	995.7	999.7	999.2	999.7	980.8
42.5°	1627.5	1610.5	1554.7	1417.6	1267.5	1176.2	1134.8	1141.3	1147.3	1151.8	1103.9
45°	1738.7	1724.2	1674.8	1539.7	1407.1	1320.8	1293.9	1293.9	1300.9	1298.9	1251.5
47.5°	1778.0	1776.1	1739.2	1636.4	1514.8	1448.0	1449.5	1454.9	1465.4	1455.9	1388.1
50°	1759.6	1751.6	1745.1	1687.8	1604.0	1572.1	1602.0	1630.0	1631.0	1614.0	1527.7
52.5°	1643.9	1644.9	1677.8	1667.4	1629.0	1661.4	1752.6	1802.0	1797.5	1781.0	1677.3
55°	1467.9	1475.9	1533.2	1577.1	1600.5	1690.3	1864.3	1966.5	1956.5	1933.6	1828.4
57.5°	1233.6	1259.5	1336.3	1432.0	1515.8	1663.4	1925.1	2109.1	2098.7	2098.7	1979.0
60°	984.3	1005.2	1118.4	1235.1	1367.2	1572.6	1931.1	2213.8	2239.3	2223.3	2085.7
62.5°	763.4	772.3	889.5	1036.6	1178.2	1420.0	1862.3	2263.7	2331.0	2317.5	2181.4
65°	561.9	587.4	682.1	816.7	963.3	1240.0	1715.2	2234.3	2365.9	2358.9	2234.3
67.5°	417.8	429.3	508.6	633.2	778.3	1016.2	1500.8	2105.6	2324.0	2330.0	2226.3
70°	313.1	316.1	377.9	480.7	604.3	801.8	1251.0	1900.2	2184.9	2211.8	2155.0
72.5°	236.8	242.3	293.7	374.5	466.2	617.3	988.7	1621.0	1947.6	2014.4	1992.9
75°	185.5	192.0	227.4	289.7	360.5	467.2	748.4	1290.9	1649.9	1736.2	1760.1
77.5°	146.6	153.6	183.5	231.4	281.2	360.5	550.0	965.8	1317.8	1404.1	1473.9
80°	115.2	120.2	146.6	182.0	221.4	266.3	385.4	702.0	967.8	1075.5	1139.3
82.5°	87.8	93.2	113.7	143.6	173.5	203.4	275.2	477.7	702.0	750.9	859.6
85°	63.8	68.8	85.8	110.2	133.6	157.6	201.4	318.6	447.3	505.6	560.4
87.5°	46.9	48.9	63.8	81.8	102.7	119.2	145.1	203.4	284.2	313.1	359.0
90°	32.9	34.9	46.9	60.3	77.8	93.2	106.7	134.6	177.0	202.9	211.4
92.5°	24.4	25.9	34.9	45.4	59.8	72.3	80.8	95.2	115.2	126.1	133.1
95°	18.4	19.9	27.4	35.9	46.4	56.8	63.3	68.8	80.3	83.3	89.3
97.5°	15.0	16.0	22.4	29.4	37.4	46.9	50.4	53.4	57.3	60.3	62.8
100°	13.0	13.5	18.9	24.9	31.9	37.9	40.9	42.4	44.9	45.9	46.9
102.5°	11.5	11.5	16.5	21.4	27.4	31.9	34.4	34.4	34.9	35.4	34.9
105°	10.0	10.5	14.5	18.9	23.4	27.4	29.4	28.4	27.9	27.4	25.9
107.5°	9.5	9.5	13.0	17.0	20.9	23.9	25.4	23.4	22.4	21.4	19.9
110°	8.5	9.0	11.5	15.0	18.4	20.9	21.9	19.9	17.9	17.0	15.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.0	8.5	10.5	13.5	16.5	18.9	18.9	17.0	14.5	13.5	12.5
115°	8.0	8.0	9.5	12.0	15.0	17.0	17.0	14.5	12.0	11.0	10.5
117.5°	8.0	8.0	9.0	11.0	13.5	15.0	15.0	12.5	10.0	9.0	9.0
120°	7.5	7.5	8.5	10.0	12.5	13.5	13.0	11.0	8.5	8.0	8.0
122.5°	7.5	7.5	8.0	9.5	11.5	12.5	12.0	9.5	7.5	6.5	7.0
125°	8.0	7.5	8.0	9.0	10.5	11.0	10.5	8.0	6.5	6.0	6.5
127.5°	8.0	8.0	7.5	8.5	9.5	10.0	9.5	7.0	5.5	5.5	6.0
130°	8.0	8.0	7.5	8.0	8.5	9.0	8.0	6.0	5.0	5.0	5.5
132.5°	8.0	8.0	7.5	7.5	8.0	8.0	7.0	5.0	4.5	4.5	5.0
135°	8.0	8.0	7.0	7.0	7.0	7.0	6.0	4.5	4.0	4.0	4.5
137.5°	7.5	7.5	7.0	6.5	6.5	6.0	5.0	3.5	3.0	3.5	4.0
140°	7.0	7.0	6.5	5.5	5.5	5.0	4.0	3.0	2.5	3.0	3.0
142.5°	6.5	6.5	6.0	5.0	4.5	4.0	3.5	2.0	2.0	2.0	2.5
145°	6.0	6.0	5.5	4.0	3.5	3.0	2.5	1.5	1.5	1.5	2.0
147.5°	5.0	5.0	4.5	3.5	2.5	2.5	1.5	1.0	1.5	1.5	1.5
150°	4.0	4.0	3.5	2.5	2.0	1.5	0.5	1.0	1.0	1.0	1.5
152.5°	3.5	3.5	2.5	2.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0
155°	2.5	2.5	2.0	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	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°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2.5°	90.2	90.2	89.7	89.3	88.8	88.3	87.3	86.8	86.8	86.3	86.3
5°	97.2	96.7	95.2	93.7	91.7	90.7	89.3	88.3	87.8	87.3	87.3
7.5°	108.2	107.2	104.2	101.7	99.2	97.2	94.7	93.2	92.7	91.2	91.7
10°	123.7	122.2	118.7	114.2	109.7	106.7	103.2	101.2	100.2	99.2	98.2
12.5°	146.1	143.1	137.1	131.1	124.7	118.7	115.2	113.7	114.7	114.2	114.7
15°	177.0	171.5	162.5	153.6	142.1	134.6	133.6	133.1	133.1	133.6	134.6
17.5°	211.9	205.9	194.5	178.0	164.5	157.1	152.6	152.1	154.6	155.1	154.6
20°	257.8	251.8	233.8	211.4	192.0	180.0	174.0	174.0	177.5	178.5	180.5
22.5°	307.1	303.7	279.2	248.3	222.4	202.9	194.5	195.5	200.4	201.9	202.9
25°	376.0	362.0	332.1	289.7	252.3	226.4	214.9	215.4	220.9	224.9	226.4
27.5°	451.7	435.8	391.9	336.6	282.2	245.8	232.9	233.3	239.8	244.8	245.8
30°	533.0	517.1	459.7	382.9	310.1	263.3	245.8	246.3	253.8	259.3	260.3
32.5°	619.8	606.8	526.5	432.8	334.6	275.2	254.3	254.8	261.3	266.3	267.3
35°	729.5	700.0	605.8	477.2	355.0	282.7	258.3	257.8	264.3	269.2	270.2
37.5°	837.7	806.3	681.1	518.6	367.0	284.7	257.3	257.3	262.3	266.3	266.8
40°	955.3	903.0	760.4	551.0	371.5	281.7	254.3	253.8	257.8	259.8	260.3
42.5°	1082.0	1017.7	838.2	576.9	369.5	275.2	248.8	249.3	250.8	250.8	250.3
45°	1196.2	1130.8	905.0	593.8	362.5	266.8	242.3	242.8	243.3	239.3	239.3
47.5°	1330.3	1251.0	967.8	597.8	348.5	258.3	237.3	238.3	235.8	230.4	229.4
50°	1457.4	1369.2	1031.1	596.3	334.1	249.3	232.4	233.3	228.9	221.4	219.9
52.5°	1599.0	1485.9	1091.0	588.9	316.6	241.3	228.9	229.9	224.9	215.9	214.4
55°	1738.7	1609.5	1145.8	575.9	301.7	232.9	225.4	227.9	221.4	212.4	211.9
57.5°	1871.8	1732.2	1191.2	556.9	285.7	226.9	222.9	225.9	219.9	210.9	210.4
60°	1990.5	1836.4	1227.6	538.5	268.3	220.9	220.4	224.4	218.9	211.4	210.9
62.5°	2073.7	1930.1	1244.0	513.6	254.3	214.4	217.4	221.4	217.4	211.4	211.4
65°	2140.0	1972.0	1237.6	480.7	239.3	207.4	213.4	217.4	214.9	210.9	211.4
67.5°	2127.6	1971.0	1195.2	441.3	225.4	199.9	206.4	211.9	209.9	208.4	207.9
70°	2050.8	1877.8	1113.9	398.4	210.9	190.5	197.9	203.4	202.9	202.4	202.4
72.5°	1892.7	1716.2	992.2	349.0	196.0	180.5	187.0	192.0	193.0	192.5	191.0
75°	1686.3	1493.8	851.1	302.7	180.5	168.5	175.5	178.5	180.0	179.0	179.0
77.5°	1383.6	1245.5	676.6	255.8	164.0	155.1	160.1	162.5	164.5	162.0	160.6
80°	1099.4	947.4	520.5	208.9	146.1	140.1	142.6	143.6	145.6	143.1	140.1
82.5°	771.8	675.1	377.4	170.5	128.1	123.2	124.7	124.2	125.2	121.7	117.7
85°	515.6	453.7	259.8	137.1	109.7	105.2	105.2	103.7	102.7	99.2	96.2
87.5°	323.6	287.2	178.5	108.2	92.2	88.8	86.8	83.8	82.8	80.3	76.8
90°	199.4	183.5	124.7	86.8	76.8	73.8	71.8	67.3	66.8	62.8	60.3
92.5°	130.6	119.7	92.2	70.3	64.3	61.3	58.8	54.8	54.3	51.4	49.9
95°	86.3	83.8	70.3	58.8	54.3	51.9	49.4	45.9	44.9	41.9	39.9
97.5°	63.3	63.3	57.8	49.9	46.4	43.9	42.4	39.4	37.4	34.4	33.4
100°	47.9	48.4	46.4	42.9	39.9	37.4	35.9	33.4	31.9	28.9	28.4
102.5°	36.9	37.9	38.4	36.4	34.4	32.4	30.9	28.9	26.9	23.9	23.4
105°	28.4	29.4	31.4	30.9	29.9	28.4	26.9	24.9	22.4	19.9	19.9
107.5°	21.9	22.9	25.9	26.4	25.9	24.4	23.4	21.4	19.4	17.0	17.0
110°	17.0	18.4	21.4	22.4	22.4	21.4	20.4	18.4	16.0	14.5	14.5



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	15.5	17.9	19.4	19.4	18.9	17.5	15.5	13.5	12.5	12.5
115°	11.5	13.0	15.5	17.0	17.0	16.5	15.5	13.5	11.5	11.0	11.0
117.5°	10.0	11.0	13.0	14.5	15.0	14.5	13.5	11.5	10.0	10.0	10.0
120°	9.0	10.0	11.5	12.5	13.0	12.5	11.5	10.0	8.5	9.0	9.0
122.5°	8.0	8.5	10.0	11.5	11.5	11.5	10.5	8.5	7.5	8.0	8.0
125°	7.0	8.0	9.0	10.0	10.5	10.0	9.0	7.5	6.5	7.0	7.5
127.5°	6.5	7.0	8.0	9.0	9.0	9.0	8.0	6.5	6.0	6.5	6.5
130°	6.0	6.5	7.0	8.0	8.0	8.0	7.0	5.5	5.5	6.0	6.0
132.5°	5.5	6.0	6.5	7.0	7.0	7.0	6.0	5.0	4.5	5.5	5.5
135°	5.0	5.0	5.5	6.0	6.0	6.0	5.0	4.0	4.0	5.0	5.0
137.5°	4.0	4.5	5.0	5.0	5.0	5.0	4.0	3.5	3.5	4.0	4.0
140°	3.5	3.5	4.0	4.0	4.0	4.0	3.5	2.5	3.0	3.5	3.5
142.5°	3.0	3.0	3.5	3.5	3.5	3.0	2.5	2.0	2.5	3.0	3.0
145°	2.0	2.5	2.5	2.5	2.5	2.0	1.5	1.5	2.0	2.5	2.5
147.5°	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.0	1.5	2.0	2.0
150°	1.5	1.5	2.0	2.0	1.5	1.0	0.5	0.5	1.0	1.5	1.5
152.5°	1.0	1.0	1.5	1.5	1.0	0.5	0.0	0.0	0.5	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.5	0.5	0.5	0.5	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)