

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: P415089

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415089  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-740-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4847 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - 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

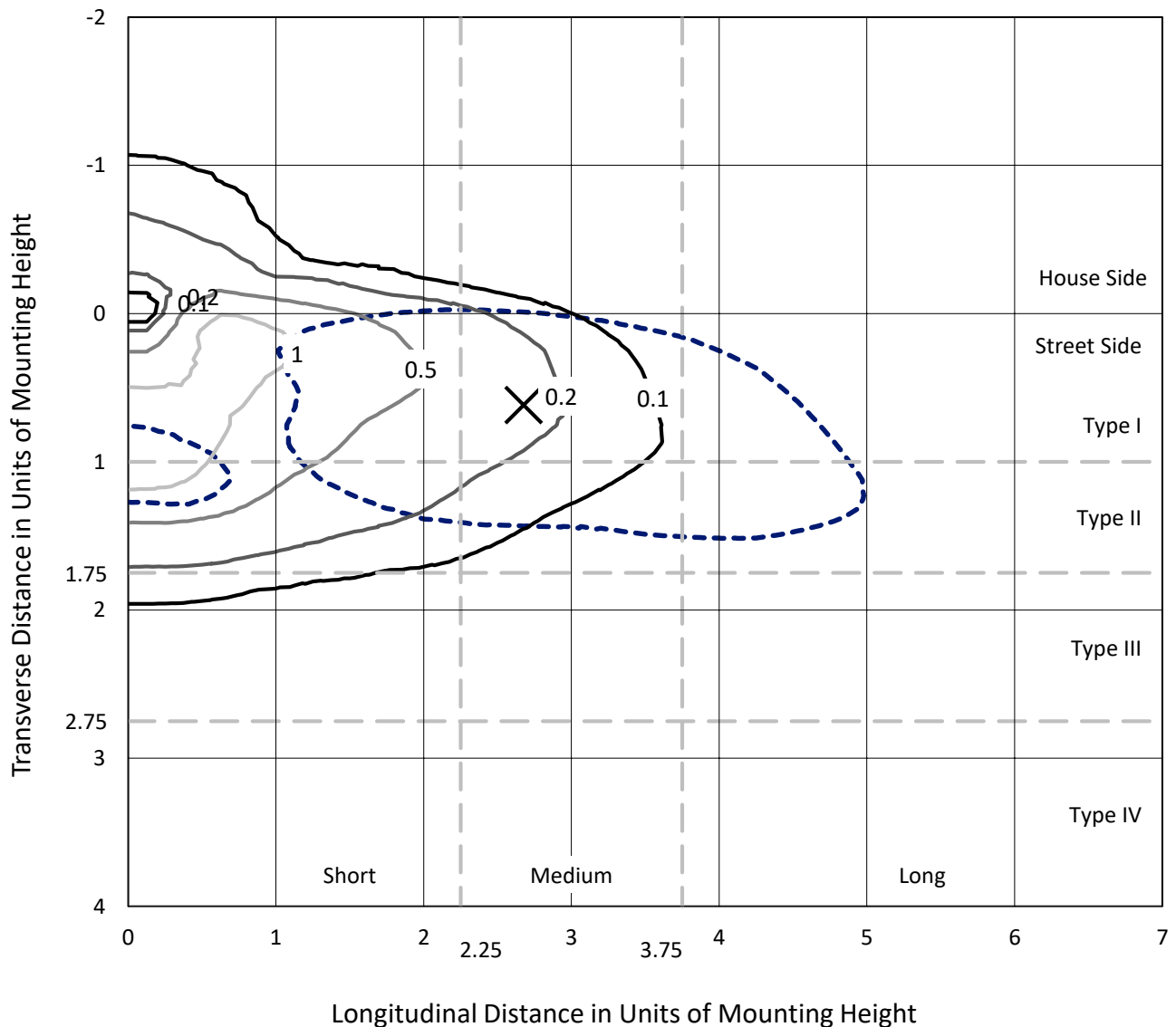


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

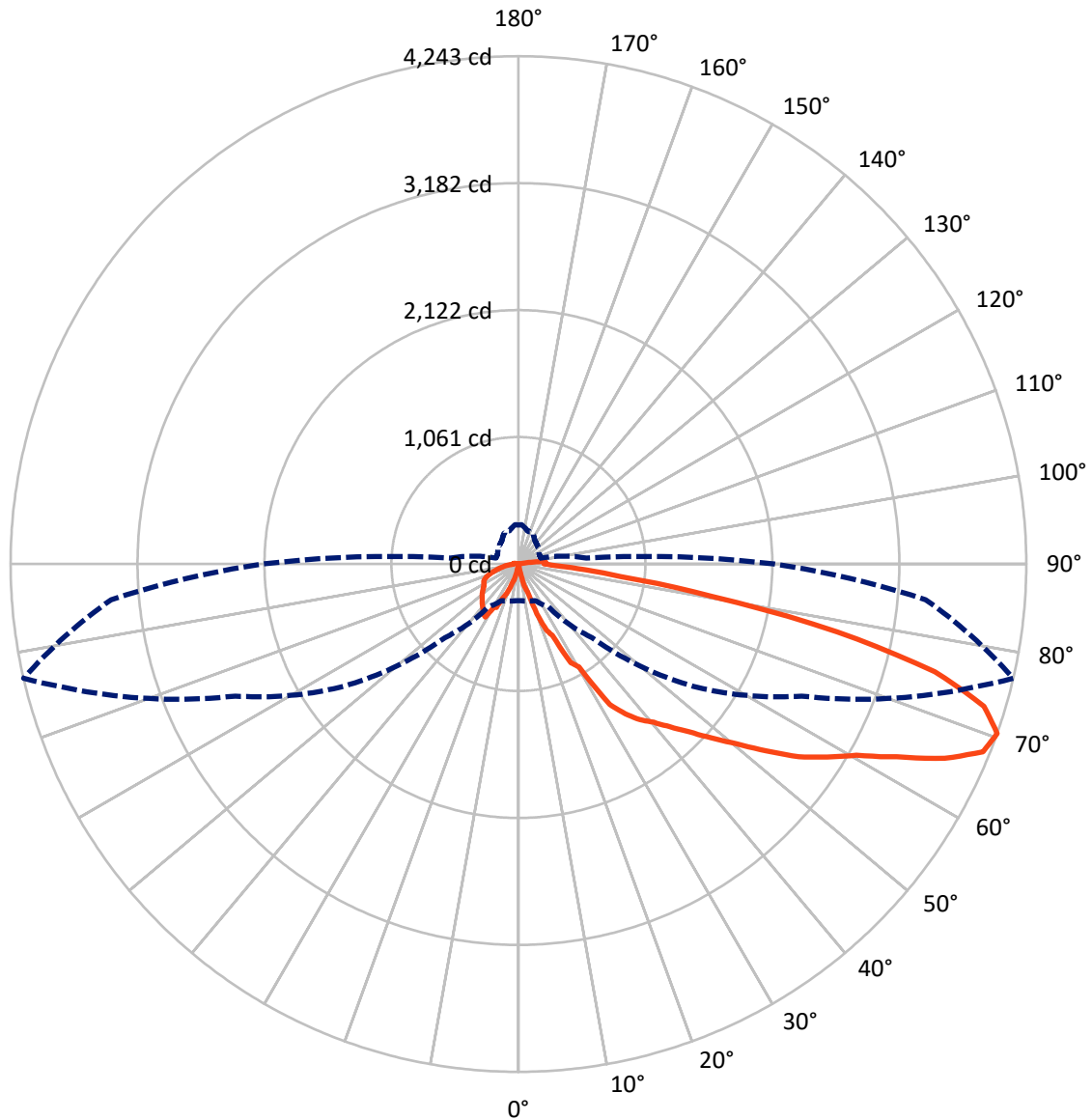


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	819.8	35.9	855.7
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	3946.5	44.8	3991.2
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	4766.3	80.7	4847.0
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	57.7	1.2
20°-30°	228.4	4.7
30°-40°	551.7	11.4
40°-50°	892.2	18.4
50°-60°	1067.2	22.0
60°-70°	1043.6	21.5
70°-80°	721.4	14.9
80°-90°	200.2	4.1
90°-100°	52.7	1.1
100°-110°	10.8	0.2
110°-120°	5.7	0.1
120°-130°	4.6	0.1
130°-140°	3.1	0.1
140°-150°	2.6	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4766.3	98.3
0°-180°	4847.0	100.0



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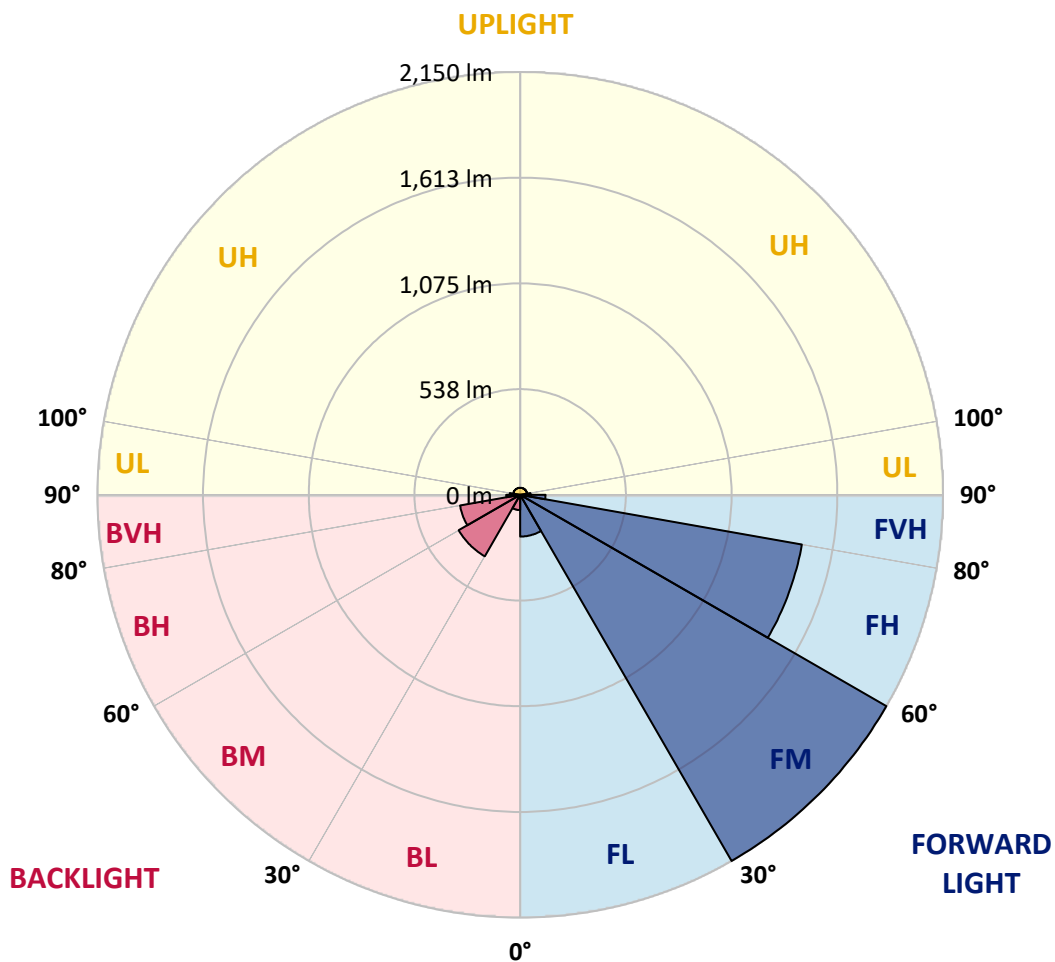
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.4	4.4			
FM (30°-60°)	2150.5	44.4			
FH (60°-80°)	1454.6	30.0			G1/1800
FVH (80°-90°)	129.0	2.7			G2/225
BL (0°-30°)	77.6	1.6	B0/110		
BM (30°-60°)	360.6	7.4	B1/1000		
BH (60°-80°)	310.4	6.4	B1/500		G1/500
BVH (80°-90°)	71.2	1.5			G1/100
UL (90°-100°)	52.7	1.1		U3/500	
UH (100°-180°)	35.9	0.7		U2/50	

**BUG Rating: B1-U3-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	6.0	5.5	5.5	6.0	7.1	6.6	4.9	3.8	3.3	3.3	3.3
5°	118.8	115.0	112.2	79.4	17.5	10.4	6.6	4.9	3.8	3.8	3.3
7.5°	141.8	139.6	138.5	134.7	130.3	121.5	21.9	7.1	4.4	4.4	3.8
10°	160.4	158.8	156.6	154.4	148.4	142.3	130.3	18.1	7.1	7.1	6.0
12.5°	326.8	321.9	317.5	225.5	167.5	160.9	149.4	102.4	77.7	75.0	90.3
15°	335.6	335.6	335.6	338.3	333.4	179.6	244.7	306.6	202.5	196.0	202.5
17.5°	357.5	354.2	348.7	350.4	356.9	396.3	365.1	341.0	269.9	239.8	233.2
20°	534.8	532.1	533.7	494.9	380.5	499.3	496.0	384.3	438.5	444.5	433.0
22.5°	571.0	570.4	568.8	566.6	650.3	529.9	570.4	604.4	612.6	600.5	498.2
25°	810.2	804.2	731.4	616.4	696.9	637.7	760.9	670.0	682.1	660.7	631.2
27.5°	925.7	913.1	900.5	866.0	748.3	852.3	809.6	883.5	990.3	933.4	803.1
30°	1221.3	1228.4	1024.8	1013.3	925.7	903.8	991.4	1038.5	1039.6	998.0	901.6
32.5°	1503.8	1484.6	1437.0	1232.3	1102.5	1012.2	1149.6	1105.8	1360.3	1399.8	1222.4
35°	1780.8	1743.5	1604.0	1464.9	1286.4	1247.6	1231.7	1384.4	1480.8	1537.2	1322.6
37.5°	2175.5	2148.6	2015.1	1651.6	1483.0	1342.8	1444.1	1473.7	1626.9	1651.0	1459.4
40°	2320.5	2302.5	2191.3	1906.1	1636.8	1498.8	1539.4	1581.0	1772.0	1738.6	1562.3
42.5°	2424.5	2418.0	2329.3	2039.2	1837.2	1653.8	1649.4	1670.7	1920.9	1859.6	1665.3
45°	2504.5	2495.2	2442.6	2124.6	1931.9	1749.6	1768.2	1781.3	2051.7	1998.1	1783.0
47.5°	2489.1	2493.0	2500.1	2230.8	1988.2	1843.2	1889.7	1876.6	2158.5	2171.1	1914.9
50°	2371.4	2379.1	2431.7	2273.5	2020.5	1919.8	1994.8	1982.8	2307.4	2359.9	2067.1
52.5°	2021.6	2034.2	2229.1	2207.2	2049.0	1980.0	2102.7	2105.4	2481.5	2593.1	2261.4
55°	1480.2	1527.9	1764.9	1987.7	2017.8	1999.2	2174.9	2260.9	2681.8	2842.8	2434.9
57.5°	1190.6	1180.8	1344.5	1669.1	1863.4	1975.7	2251.0	2399.4	2864.7	3043.1	2608.5
60°	924.1	927.3	1048.3	1281.0	1593.0	1917.6	2328.7	2524.2	3089.7	3244.6	2820.9
62.5°	688.1	694.7	782.3	921.3	1284.3	1755.6	2352.8	2680.2	3402.2	3548.9	3077.6
65°	499.8	510.7	558.4	643.8	927.9	1512.5	2279.5	2796.8	3748.8	3915.7	3351.9
67.5°	375.5	381.6	409.5	461.5	662.9	1200.5	2098.3	2789.7	3922.8	4185.6	3469.6
70°	305.5	308.2	318.6	337.2	435.2	870.4	1780.2	2610.1	3960.1	4243.1	3414.8
72.5°	259.5	258.4	258.9	261.7	300.5	595.0	1375.1	2274.0	3817.7	4068.5	3167.9
75°	221.7	220.1	220.1	217.3	232.1	417.7	947.0	1835.5	3439.5	3594.9	2668.7
77.5°	188.9	186.1	185.6	180.1	186.7	310.9	627.3	1366.9	2721.2	2724.0	1891.9
80°	160.9	156.0	153.8	150.0	157.7	237.0	409.5	891.8	1664.7	1637.9	1050.0
82.5°	118.8	118.8	122.1	123.2	135.8	175.7	289.0	530.5	908.7	860.0	608.7
85°	68.4	74.4	88.1	89.8	104.0	116.6	217.3	314.2	508.6	490.5	312.0
87.5°	25.2	24.1	36.7	38.9	43.8	43.8	118.2	172.4	266.6	277.5	245.8
90°	20.8	20.8	14.2	13.1	17.0	28.5	79.9	121.0	200.4	215.1	232.1
92.5°	21.9	21.9	14.2	12.6	15.9	25.2	67.3	114.4	210.2	230.5	239.8
95°	20.8	21.3	12.6	11.5	14.8	21.3	50.4	98.0	202.0	221.2	234.3
97.5°	18.1	18.6	10.4	9.9	13.1	15.3	27.4	48.7	100.7	104.6	108.4
100°	14.8	14.8	7.7	8.2	10.4	10.4	14.2	25.7	24.6	20.3	17.5
102.5°	12.6	13.7	7.1	6.6	7.7	6.6	6.6	9.9	14.8	12.6	17.0
105°	10.4	11.5	6.0	5.5	6.0	5.5	4.4	7.1	10.9	12.6	18.1
107.5°	7.1	7.7	4.4	4.9	4.9	4.9	3.3	5.5	10.4	12.0	18.6
110°	4.9	4.9	3.3	4.4	4.4	4.9	3.3	5.5	8.2	9.3	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.3	3.3	2.7	3.3	3.8	3.8	3.3	4.9	7.1	7.7	10.4
115°	2.7	2.7	2.2	2.7	3.3	3.3	2.7	4.4	7.1	8.2	10.9
117.5°	3.3	2.7	2.2	2.7	3.3	2.7	2.7	3.8	7.1	8.2	10.9
120°	3.3	3.3	2.7	2.7	2.7	2.7	2.7	3.8	7.1	8.2	10.9
122.5°	3.8	3.3	2.7	2.7	2.7	2.7	2.7	3.3	6.6	7.7	10.4
125°	3.8	3.8	2.7	2.7	3.3	2.7	2.7	3.3	6.6	7.1	9.9
127.5°	4.4	3.8	3.3	2.7	3.3	2.7	2.7	3.3	6.0	6.6	8.8
130°	4.4	4.4	3.3	2.7	3.3	2.7	2.7	2.7	4.9	5.5	7.7
132.5°	4.4	4.4	3.8	3.3	3.8	3.3	2.7	2.7	3.8	4.4	6.0
135°	4.9	4.4	4.4	3.8	4.4	3.8	2.7	2.7	2.7	3.3	4.4
137.5°	4.9	4.9	4.9	4.4	4.9	3.8	2.7	2.7	2.7	2.7	3.3
140°	6.0	6.0	5.5	4.9	5.5	4.4	3.3	2.7	2.7	2.7	3.3
142.5°	7.1	7.1	6.6	6.0	5.5	4.4	3.8	3.3	3.3	3.3	3.3
145°	8.2	7.7	7.7	6.6	5.5	4.4	3.8	3.8	3.8	3.8	3.8
147.5°	8.2	8.2	7.7	6.0	4.9	3.3	3.3	4.4	4.4	4.4	4.4
150°	7.7	7.7	6.6	5.5	3.8	2.7	2.7	3.8	4.4	4.4	4.4
152.5°	6.0	5.5	4.9	3.3	2.7	1.6	2.2	2.7	3.3	3.3	3.8
155°	3.8	3.3	2.7	2.2	2.2	1.6	1.6	2.2	2.2	2.2	2.7
157.5°	1.6	1.6	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.5	0.5	0.5	0.5	1.6	1.6	1.6	1.1	1.1	1.1	1.1
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.3	3.3	3.3	3.3	3.3	2.7	3.3	3.8	4.4	4.4	4.4
5°	3.3	3.3	3.3	3.8	3.8	3.3	3.8	4.9	5.5	5.5	5.5
7.5°	3.8	3.3	3.8	4.4	4.4	4.4	19.2	55.3	61.3	62.4	63.5
10°	5.5	5.5	5.5	6.0	6.6	57.5	67.9	71.2	73.4	75.0	75.5
12.5°	83.2	72.8	45.4	12.0	58.0	71.2	75.0	80.5	83.2	86.5	85.4
15°	186.7	165.3	124.3	106.2	104.0	79.4	83.2	138.5	153.8	156.6	156.0
17.5°	211.3	181.7	138.5	147.8	153.8	119.3	140.1	154.9	157.7	160.4	159.8
20°	393.1	313.1	187.8	162.6	160.9	201.5	149.4	154.4	159.8	188.3	191.6
22.5°	436.3	360.2	245.8	238.1	194.3	204.7	194.9	197.6	214.6	214.6	213.5
25°	546.3	435.7	277.5	243.1	246.9	203.6	228.8	197.6	200.9	200.9	201.5
27.5°	710.6	560.0	368.4	271.0	244.2	246.3	217.3	200.4	229.4	232.7	234.3
30°	760.4	581.4	364.6	302.7	255.1	239.2	203.1	224.4	216.2	216.2	214.6
32.5°	1062.5	793.2	453.8	296.2	261.7	222.3	225.0	211.3	207.5	224.4	224.4
35°	1122.2	816.8	437.9	333.4	251.3	231.6	214.0	217.3	210.2	209.1	207.5
37.5°	1190.6	833.2	402.4	313.1	265.5	222.3	221.2	212.9	203.6	216.8	219.0
40°	1255.8	849.1	373.9	289.0	245.2	221.2	216.8	212.4	192.7	192.7	192.1
42.5°	1329.1	859.5	348.2	269.9	225.5	221.7	209.7	196.0	182.8	186.7	185.6
45°	1405.2	866.0	321.9	248.5	208.0	229.4	210.2	204.2	193.8	195.4	193.8
47.5°	1498.8	877.0	298.9	227.7	197.1	210.2	198.7	196.0	202.0	196.5	199.8
50°	1598.5	883.0	277.5	209.7	186.1	204.2	205.8	197.6	202.0	192.7	192.1
52.5°	1717.8	888.5	254.6	197.6	184.5	203.1	215.7	206.9	199.3	187.2	186.1
55°	1822.9	871.0	234.8	190.0	195.4	200.9	223.9	213.5	197.6	183.9	184.5
57.5°	1937.3	848.5	219.0	186.7	193.2	197.1	235.4	222.8	204.7	205.3	205.8
60°	2055.6	827.2	209.1	186.1	190.5	198.7	237.0	235.4	214.0	219.0	222.8
62.5°	2196.8	810.2	207.5	190.0	200.4	207.5	238.7	255.6	237.0	239.2	240.3
65°	2307.4	760.9	205.8	192.1	204.2	209.1	239.2	269.9	261.7	274.3	273.2
67.5°	2273.5	670.0	203.1	194.3	206.9	217.9	238.7	280.3	279.2	308.2	305.5
70°	2135.0	569.3	194.3	191.6	208.0	222.3	239.2	283.0	287.9	329.0	326.3
72.5°	1901.8	459.3	178.5	183.9	208.6	227.7	246.3	283.6	289.0	347.1	338.9
75°	1591.4	371.2	154.9	166.4	215.1	231.0	248.0	278.1	278.1	332.8	322.4
77.5°	1145.2	285.8	133.6	151.1	212.9	228.8	243.1	265.5	261.7	287.9	278.1
80°	667.3	210.8	113.9	148.4	199.8	224.4	229.4	234.3	216.2	222.3	216.2
82.5°	400.7	156.0	98.5	133.0	175.7	202.0	205.8	197.6	173.5	173.0	164.8
85°	240.3	106.7	72.3	102.9	138.5	168.6	173.0	150.0	127.5	140.7	125.9
87.5°	177.4	67.3	49.8	64.0	84.3	78.8	102.9	96.9	82.7	79.4	78.3
90°	159.8	51.5	41.1	52.0	56.9	48.7	52.6	52.6	42.7	42.2	40.0
92.5°	158.2	48.2	43.8	50.9	46.0	38.9	42.7	42.2	33.9	32.3	30.7
95°	147.8	43.2	43.8	46.0	40.5	31.8	34.5	32.3	24.1	22.4	20.8
97.5°	69.5	30.1	41.6	40.0	33.4	24.6	28.5	24.6	17.0	14.8	14.8
100°	16.4	25.7	35.6	36.1	26.8	18.6	19.7	15.9	10.9	9.3	9.3
102.5°	16.4	11.5	21.9	28.5	16.4	7.7	10.9	10.4	8.2	8.2	8.8
105°	16.4	10.9	10.9	18.6	9.9	4.9	4.9	6.6	7.1	9.3	10.4
107.5°	17.0	11.5	8.8	8.8	7.1	4.9	4.4	4.9	7.1	10.9	11.5
110°	14.2	10.4	8.2	7.7	7.1	4.9	3.8	4.9	7.1	12.0	13.1



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CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.4	9.3	7.1	7.1	6.0	4.9	3.8	4.4	7.7	13.1	14.2
115°	10.4	8.8	6.6	6.0	4.9	4.4	3.8	4.4	8.2	14.2	15.3
117.5°	10.9	8.8	6.0	5.5	4.4	3.3	3.3	4.4	8.2	14.8	15.9
120°	10.9	8.8	6.0	5.5	4.4	3.3	3.3	4.9	8.8	14.2	15.3
122.5°	10.4	8.8	6.0	5.5	4.4	2.7	3.3	4.4	8.2	13.7	14.8
125°	9.3	8.2	6.0	4.9	4.4	2.7	3.3	4.4	8.2	13.1	13.7
127.5°	8.8	7.7	5.5	4.9	3.8	2.7	3.3	4.4	7.7	12.0	12.6
130°	7.7	7.1	4.9	4.4	3.8	2.7	3.3	4.4	7.7	10.9	11.5
132.5°	6.0	5.5	4.4	3.8	3.8	2.7	3.3	3.8	6.0	9.3	9.9
135°	4.4	4.4	3.8	3.8	3.8	2.7	3.3	3.3	4.9	7.1	7.7
137.5°	3.3	3.3	3.3	3.8	3.3	2.7	2.7	3.3	4.4	5.5	6.0
140°	3.3	3.3	3.3	3.8	3.3	2.7	2.7	3.3	3.8	4.4	4.9
142.5°	3.3	3.3	3.3	3.8	3.3	2.2	2.7	3.3	3.8	4.4	4.4
145°	3.8	3.8	3.8	3.8	3.3	2.2	2.2	3.3	3.8	4.4	4.4
147.5°	4.4	4.4	3.8	3.8	3.3	1.6	1.6	3.3	3.8	4.4	4.4
150°	4.4	4.4	3.8	3.8	2.7	1.6	1.6	2.7	3.8	3.8	3.8
152.5°	3.3	3.3	3.3	3.3	2.7	1.1	1.1	2.2	3.3	3.3	3.3
155°	2.7	2.7	2.7	2.7	2.2	1.1	0.5	1.6	2.7	2.7	2.7
157.5°	1.6	2.2	2.2	2.7	2.2	1.1	0.5	1.1	2.2	2.2	2.2
160°	1.1	1.6	1.6	2.2	2.2	1.1	0.5	1.1	1.6	1.6	1.6
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)