

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: P415055

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4498 lumens
Efficiency: N/A
Efficacy: 112.5 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 - G2

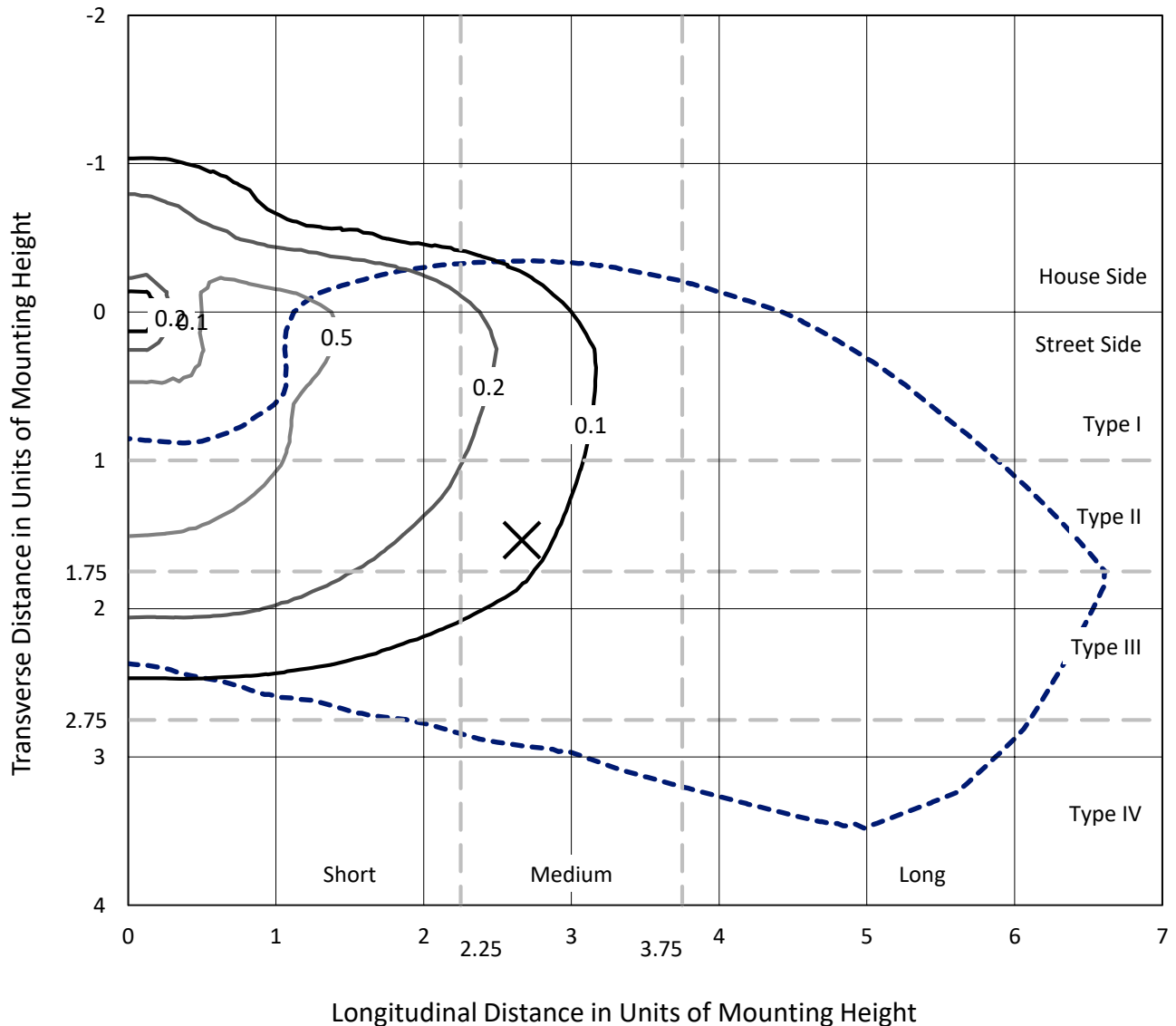
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

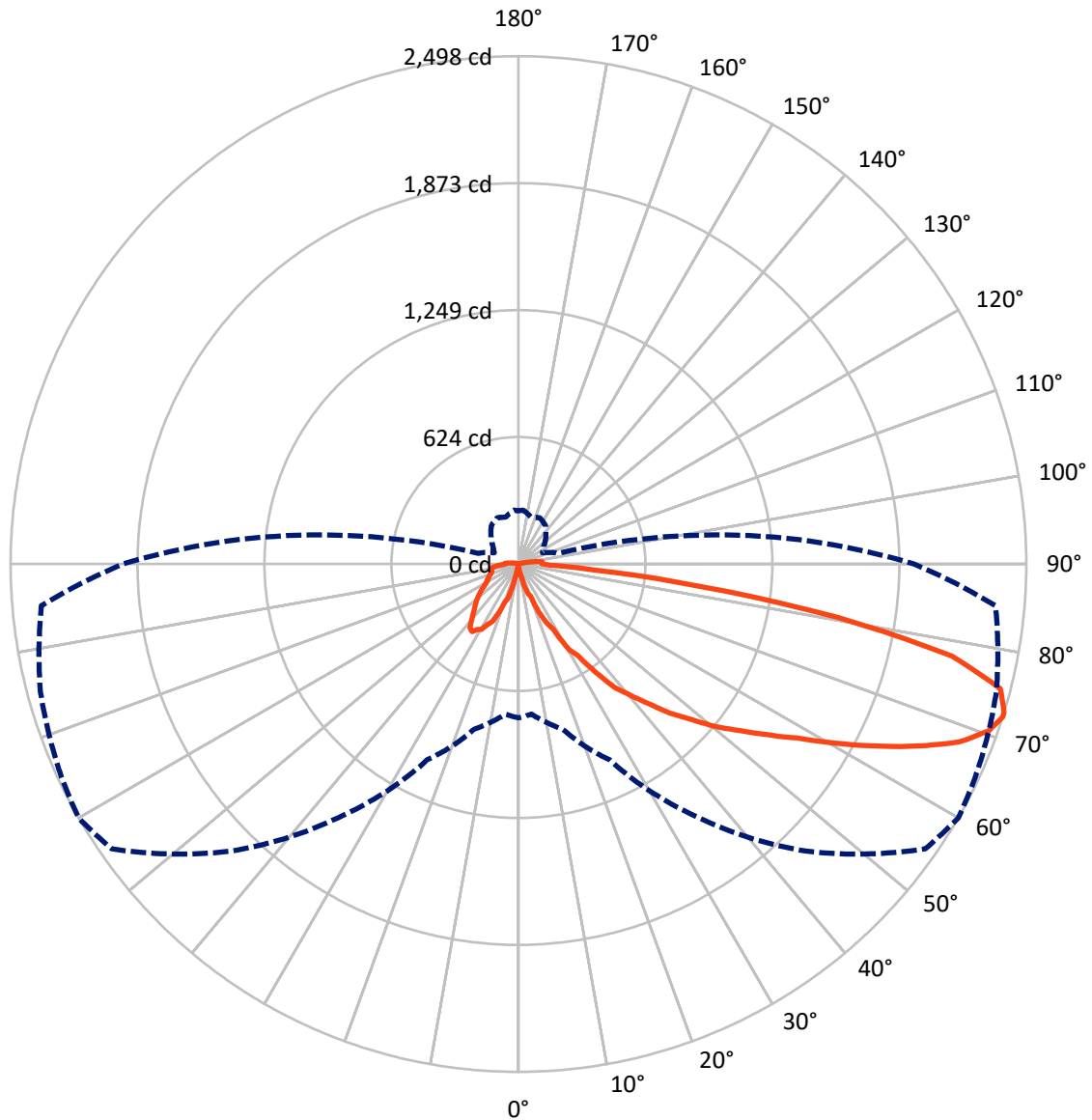
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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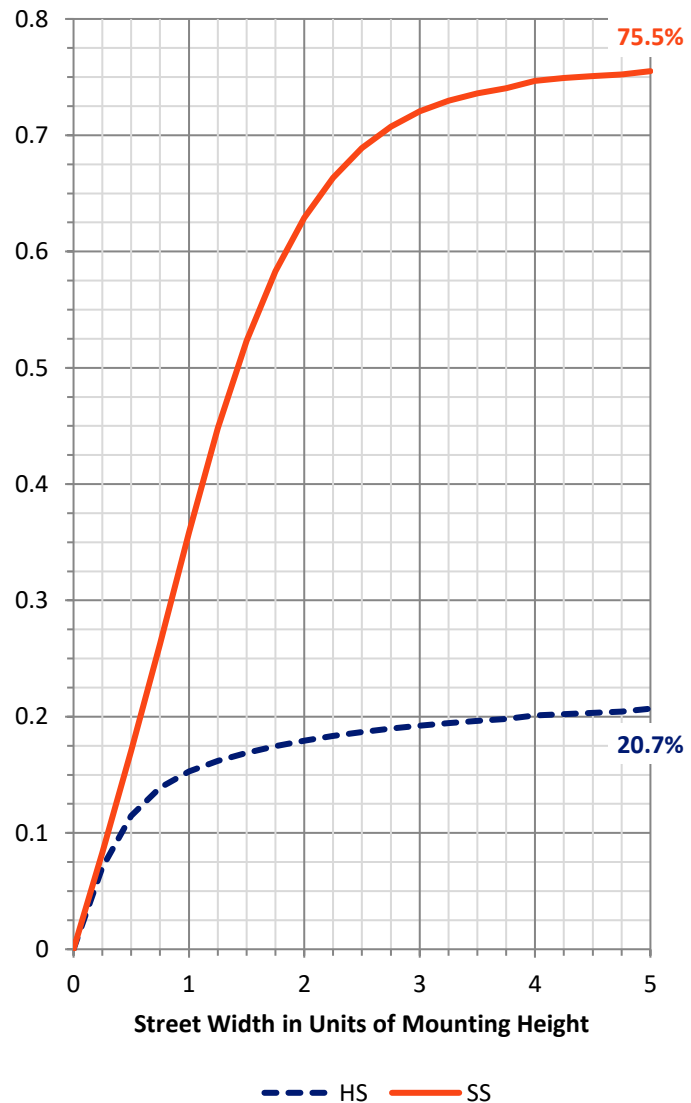
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	983.1	48.0	1031.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	3424.8	42.2	3467.0
	% Fixture	76.1	0.9	77.1
Total	Lumens	4407.9	90.2	4498.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	36.8	0.8
20°-30°	153.4	3.4
30°-40°	354.3	7.9
40°-50°	622.1	13.8
50°-60°	940.2	20.9
60°-70°	1159.3	25.8
70°-80°	895.0	19.9
80°-90°	244.5	5.4
90°-100°	66.4	1.5
100°-110°	11.5	0.3
110°-120°	4.5	0.1
120°-130°	3.2	0.1
130°-140°	2.1	0.0
140°-150°	1.7	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4407.9	98.0
0°-180°	4498.0	100.0



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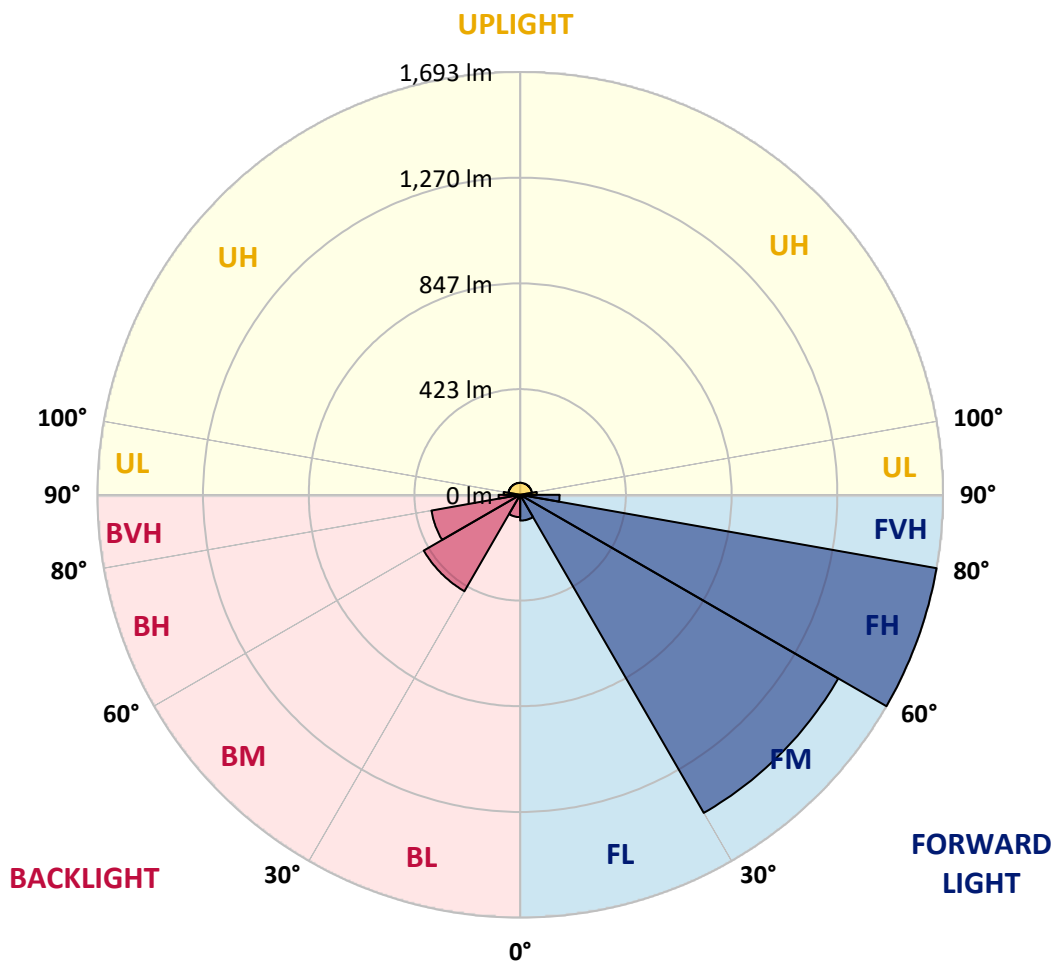
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.2	2.3			
FM	(30°-60°)	1470.6	32.7			
FH	(60°-80°)	1693.0	37.6			G1/1800
FVH	(80°-90°)	157.9	3.5			G2/225
BL	(0°-30°)	89.3	2.0	B0/110		
BM	(30°-60°)	445.9	9.9	B1/1000		
BH	(60°-80°)	361.2	8.0	B1/500		G1/500
BVH	(80°-90°)	86.6	1.9			G1/100
UL	(90°-100°)	66.4	1.5		U3/500	
UH	(100°-180°)	48.0	1.1		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	6.0	5.5	5.0	5.0	5.5	5.0	4.5	4.0	3.5	3.5	3.0
5°	55.8	54.4	53.9	43.4	19.9	15.5	7.0	5.5	4.5	3.5	3.0
7.5°	61.8	61.3	60.8	60.8	59.8	56.8	32.4	16.0	9.0	4.5	4.0
10°	70.8	69.8	66.8	65.3	63.8	62.8	58.3	55.3	24.9	7.5	6.5
12.5°	126.2	124.2	121.2	89.8	76.8	67.8	66.3	63.8	55.3	22.9	46.4
15°	135.6	135.1	133.1	131.6	127.6	84.8	102.7	117.2	132.6	108.2	120.7
17.5°	170.5	165.5	152.6	145.1	142.6	155.6	148.6	151.1	151.1	145.6	138.1
20°	254.8	251.3	244.8	215.9	162.6	200.4	196.5	167.0	172.0	212.9	247.3
22.5°	307.2	303.7	290.2	271.8	268.3	222.9	231.9	253.3	259.3	298.7	298.2
25°	416.9	410.4	381.4	327.1	334.1	287.7	323.6	318.6	303.2	329.1	338.1
27.5°	509.1	503.6	489.7	462.2	387.4	402.4	368.0	361.5	402.9	475.7	474.2
30°	610.8	580.9	543.5	535.0	479.7	456.2	465.2	486.7	502.1	509.1	526.5
32.5°	741.0	737.5	709.5	599.3	581.9	521.6	564.4	535.0	547.0	647.7	707.6
35°	831.2	840.2	790.8	725.0	642.2	640.7	622.8	652.2	709.5	723.5	764.9
37.5°	1041.6	1044.1	999.7	811.8	757.9	706.1	761.9	769.9	785.8	809.8	844.7
40°	1200.2	1177.8	1122.9	983.3	866.1	809.8	849.7	848.7	883.6	927.4	949.4
42.5°	1395.7	1370.7	1272.5	1114.4	1004.7	942.4	946.4	937.9	966.8	1036.1	1049.6
45°	1559.7	1548.7	1472.9	1306.4	1157.8	1083.0	1056.1	1045.6	1060.1	1147.3	1154.8
47.5°	1714.8	1685.4	1636.0	1467.5	1380.2	1244.1	1166.8	1141.9	1146.3	1245.6	1267.5
50°	1878.8	1829.5	1768.6	1620.5	1557.2	1446.5	1293.9	1255.0	1256.5	1348.3	1385.7
52.5°	1976.1	1897.8	1858.4	1735.7	1671.9	1616.5	1427.1	1359.8	1366.7	1453.5	1510.3
55°	1915.7	1892.3	1893.3	1820.0	1772.6	1707.8	1556.2	1480.9	1488.9	1590.6	1661.9
57.5°	1814.0	1832.0	1895.3	1892.3	1865.9	1802.5	1684.9	1614.6	1660.4	1745.7	1821.0
60°	1735.7	1756.2	1858.9	1911.7	1961.1	1914.7	1818.0	1787.6	1830.5	1904.8	1995.0
62.5°	1605.1	1621.5	1762.6	1902.3	1958.6	2010.5	1944.6	1972.1	2011.5	2074.3	2184.0
65°	1426.6	1422.6	1598.1	1815.5	1942.2	2063.8	2107.7	2158.1	2194.0	2261.3	2361.0
67.5°	1215.7	1235.6	1383.2	1628.5	1877.8	2090.7	2244.8	2337.1	2359.5	2385.4	2457.2
70°	992.8	991.8	1120.9	1381.7	1739.7	2075.8	2375.0	2454.7	2455.2	2439.8	2461.2
72°	756.9	741.0	840.7	1063.1	1510.8	1995.5	2441.8	2497.6	2479.2	2433.3	2355.0
72.5°	649.7	664.2	757.9	1001.2	1408.1	1955.6	2448.8	2497.1	2477.2	2426.8	2323.1
75°	329.6	308.6	362.0	536.5	971.3	1580.1	2398.4	2448.3	2392.4	2329.6	2036.9
77.5°	129.1	132.6	153.6	231.9	472.7	1040.6	2070.3	2179.0	2143.1	2098.7	1606.6
80°	90.8	90.8	102.7	132.1	242.3	422.8	1434.5	1592.6	1648.0	1669.9	1074.5
82.5°	65.8	66.8	78.3	92.2	173.0	202.9	704.6	885.1	972.3	1054.1	600.8
85°	61.3	61.3	62.8	61.8	123.7	144.6	256.3	378.0	436.8	512.1	242.8
87.5°	28.9	31.4	46.4	36.9	60.8	89.3	139.6	151.6	155.1	176.0	174.5
90°	18.9	18.9	15.5	16.0	29.9	72.3	112.2	114.7	110.2	129.1	162.6
92.5°	19.4	19.9	14.5	15.0	23.4	66.3	115.2	117.2	113.7	135.6	172.5
95°	18.0	18.0	12.5	13.0	18.4	50.9	115.2	117.2	107.2	135.1	172.5
97.5°	15.0	15.5	10.0	10.5	14.5	24.9	79.8	85.8	68.3	68.8	84.3
100°	13.0	13.0	8.0	8.5	10.5	11.5	40.4	42.4	37.9	17.0	11.5
102.5°	13.0	13.0	7.0	7.0	7.0	6.5	12.5	20.9	17.5	10.0	11.0
105°	12.5	13.0	6.5	5.5	5.5	5.0	6.5	8.0	8.0	8.0	11.5
107.5°	10.0	10.5	5.0	5.0	4.5	4.5	3.5	3.5	5.0	7.5	12.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.0	8.0	4.0	4.5	3.5	4.0	3.0	3.0	4.5	5.5	9.5
112.5°	4.5	4.5	3.0	3.5	3.0	3.5	3.0	3.0	3.5	4.5	6.0
115°	4.0	4.0	2.5	2.5	2.5	2.5	2.5	2.5	3.0	4.0	6.5
117.5°	4.0	4.0	2.5	2.5	2.5	2.0	2.0	2.5	2.5	4.0	6.5
120°	4.0	4.0	2.5	2.5	2.0	2.0	2.0	2.5	2.5	4.0	6.5
122.5°	4.5	4.0	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.5	6.5
125°	4.5	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.5	3.5	5.5
127.5°	4.5	4.5	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0
130°	4.5	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.5
132.5°	4.0	4.0	3.0	2.0	2.5	2.0	2.0	2.0	2.0	2.5	3.5
135°	3.5	3.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	3.0
137.5°	3.5	3.5	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5
140°	3.5	3.5	3.0	3.0	3.0	2.5	2.0	2.0	2.0	2.5	2.5
142.5°	4.0	4.0	3.5	3.0	3.0	2.5	2.0	2.0	2.5	2.5	2.5
145°	4.5	4.5	4.0	3.5	3.0	2.0	2.0	2.5	2.5	2.5	3.0
147.5°	4.5	4.5	4.0	3.0	2.5	2.0	2.0	2.5	2.5	3.0	3.0
150°	4.0	4.0	3.5	2.5	2.0	1.5	2.0	2.0	2.5	3.0	3.0
152.5°	3.0	3.0	2.5	2.0	1.5	1.0	1.5	2.0	2.0	2.5	3.0
155°	2.0	2.0	1.5	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.5
157.5°	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.5	1.5	1.5	2.0
160°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.5
5°	3.0	3.0	3.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.0
7.5°	3.5	3.5	3.5	4.0	4.5	5.5	12.5	43.9	59.8	65.3	63.8
10°	6.5	6.5	6.0	6.0	7.0	58.3	74.3	80.8	84.3	88.3	88.3
12.5°	51.9	59.8	21.4	12.0	57.8	81.8	87.8	92.2	95.2	99.2	99.2
15°	125.2	127.1	130.6	117.7	113.7	92.7	96.7	131.1	172.5	183.5	184.5
17.5°	140.6	143.1	145.6	172.5	183.5	142.1	163.5	184.0	188.0	192.0	192.0
20°	268.3	272.3	220.9	198.0	193.5	240.8	185.0	190.0	197.0	232.4	235.9
22.5°	304.2	306.7	287.2	299.7	219.4	251.8	243.3	243.3	272.3	274.2	274.7
25°	341.1	355.0	318.1	308.2	312.1	254.8	287.2	259.3	263.3	266.3	266.8
27.5°	497.6	495.6	465.7	352.5	313.1	308.6	278.7	255.8	299.2	310.6	311.1
30°	529.0	524.1	497.1	412.9	325.1	305.7	262.8	295.7	287.7	289.2	289.7
32.5°	727.5	719.5	643.2	417.8	339.6	282.2	285.2	275.2	276.2	307.2	308.2
35°	777.4	766.4	659.2	483.2	323.6	286.2	263.8	276.2	281.2	279.7	279.7
37.5°	844.2	823.2	654.2	454.2	336.6	267.8	252.3	260.8	257.8	276.7	275.7
40°	917.0	887.6	656.7	421.3	305.2	251.3	241.8	249.3	247.3	241.8	237.8
42.5°	1009.7	958.9	656.2	393.9	276.2	245.8	228.4	227.9	219.4	210.4	207.4
45°	1104.5	1034.2	658.2	362.5	254.3	241.3	220.9	208.9	201.4	192.0	189.5
47.5°	1208.2	1114.4	664.2	337.6	237.3	227.9	211.4	197.0	191.5	179.5	178.5
50°	1330.8	1198.7	666.2	317.6	217.4	215.9	204.4	188.5	180.0	168.0	167.0
52.5°	1463.0	1288.0	669.7	288.2	201.9	211.4	208.4	186.5	183.0	167.5	166.5
55°	1588.1	1372.7	668.7	252.8	195.0	207.4	208.4	199.5	194.0	168.5	166.5
57.5°	1738.7	1464.5	653.7	219.9	184.0	201.4	218.4	210.9	204.9	184.0	180.0
60°	1873.3	1559.2	609.3	194.5	174.5	195.0	226.9	219.4	202.4	189.0	185.0
62.5°	2030.9	1641.0	547.5	176.0	171.0	197.0	229.9	224.9	203.9	199.5	198.0
65°	2137.6	1671.9	453.8	161.1	170.5	197.0	228.9	229.9	214.9	219.4	218.9
67.5°	2150.6	1632.0	344.1	149.6	164.5	197.0	227.4	239.8	224.9	243.3	244.3
70°	2088.2	1532.3	250.8	138.1	158.1	194.5	227.9	246.3	232.4	261.3	259.3
72°	1944.6	1381.2	202.9	130.6	152.6	190.5	231.4	249.8	238.8	265.8	261.3
72.5°	1907.2	1334.8	194.0	129.6	151.6	190.0	232.4	250.8	239.3	270.3	264.8
75°	1596.1	1063.1	166.5	122.2	153.1	187.5	237.3	250.3	242.3	273.2	274.2
77.5°	1209.2	716.5	147.6	115.7	152.6	183.0	235.9	246.3	237.8	262.8	268.3
80°	748.4	416.9	131.1	115.2	151.6	181.0	229.4	235.9	225.4	245.3	246.8
82.5°	409.4	243.8	113.7	113.2	147.1	175.5	216.9	223.9	213.9	235.9	220.4
85°	209.4	165.5	85.3	92.7	128.6	165.0	202.4	201.9	192.0	199.9	189.0
87.5°	161.6	130.1	55.3	66.8	105.2	136.1	166.5	165.0	152.1	153.1	148.6
90°	148.6	116.2	36.4	47.4	87.8	97.7	115.7	111.2	102.2	104.2	102.7
92.5°	149.6	114.7	34.9	50.4	84.3	87.8	106.2	100.7	91.7	92.7	89.8
95°	146.1	110.2	34.9	44.4	69.8	62.3	76.3	74.3	66.8	63.3	61.8
97.5°	69.8	54.8	32.4	32.9	39.4	33.9	46.4	49.9	39.9	31.9	31.9
100°	12.0	18.4	28.4	33.4	28.4	21.4	29.4	33.9	22.9	10.5	11.5
102.5°	12.0	11.5	21.9	28.4	20.4	11.5	17.0	22.4	14.5	8.0	8.5
105°	13.0	12.0	10.5	19.4	12.0	6.0	6.5	11.5	8.0	8.0	8.0
107.5°	14.0	13.0	7.5	7.5	6.0	5.5	5.0	4.5	5.5	8.0	8.5



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.5	10.5	7.0	6.0	5.5	5.5	4.0	4.0	5.5	8.5	8.5
112.5°	7.5	7.5	6.0	5.0	4.5	5.5	4.0	4.0	5.0	8.5	9.0
115°	7.5	7.5	5.5	4.5	4.0	4.5	4.0	3.5	5.0	8.5	9.0
117.5°	7.5	7.5	5.5	4.0	3.5	3.5	3.0	3.5	5.0	8.5	9.0
120°	7.5	7.5	5.5	4.0	3.5	3.0	3.0	3.0	5.0	8.5	9.0
122.5°	7.0	7.0	5.0	3.5	3.0	2.5	2.5	3.0	4.5	8.0	8.5
125°	6.5	6.5	4.5	3.5	3.0	2.5	2.5	2.5	4.5	7.5	8.0
127.5°	6.0	6.0	4.5	3.0	2.5	2.5	2.5	2.5	4.0	7.0	7.5
130°	5.0	5.0	4.0	3.0	2.5	2.0	2.5	2.5	4.0	6.5	6.5
132.5°	4.0	4.0	3.0	2.5	2.5	2.0	2.0	2.5	3.5	5.5	6.0
135°	3.0	3.0	3.0	2.5	2.5	2.0	2.0	2.0	3.0	4.5	5.0
137.5°	2.5	3.0	2.5	2.5	2.5	2.0	2.0	2.0	3.0	4.0	4.0
140°	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	3.0	3.5	4.0
142.5°	2.5	3.0	2.5	2.5	2.5	2.0	2.0	2.5	3.0	4.0	4.0
145°	3.0	3.0	3.0	2.5	2.5	1.5	1.5	2.5	3.0	4.0	4.0
147.5°	3.0	3.0	3.0	2.5	2.0	1.5	1.5	2.0	3.0	4.0	4.0
150°	3.0	3.0	3.0	2.5	2.0	1.0	1.0	2.0	2.5	3.5	4.0
152.5°	3.0	3.0	2.5	2.5	1.5	1.0	0.5	1.5	2.0	3.0	3.0
155°	2.5	2.5	2.5	2.0	1.5	0.5	0.0	0.5	1.5	2.5	2.5
157.5°	2.0	2.0	2.0	1.5	1.0	0.5	0.0	0.5	0.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.5	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)