

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: P415097

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415097
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-PA1-40-740-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 4747 lumens
Efficiency: N/A
Efficacy: 118.7 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: B2 - U3 - G2

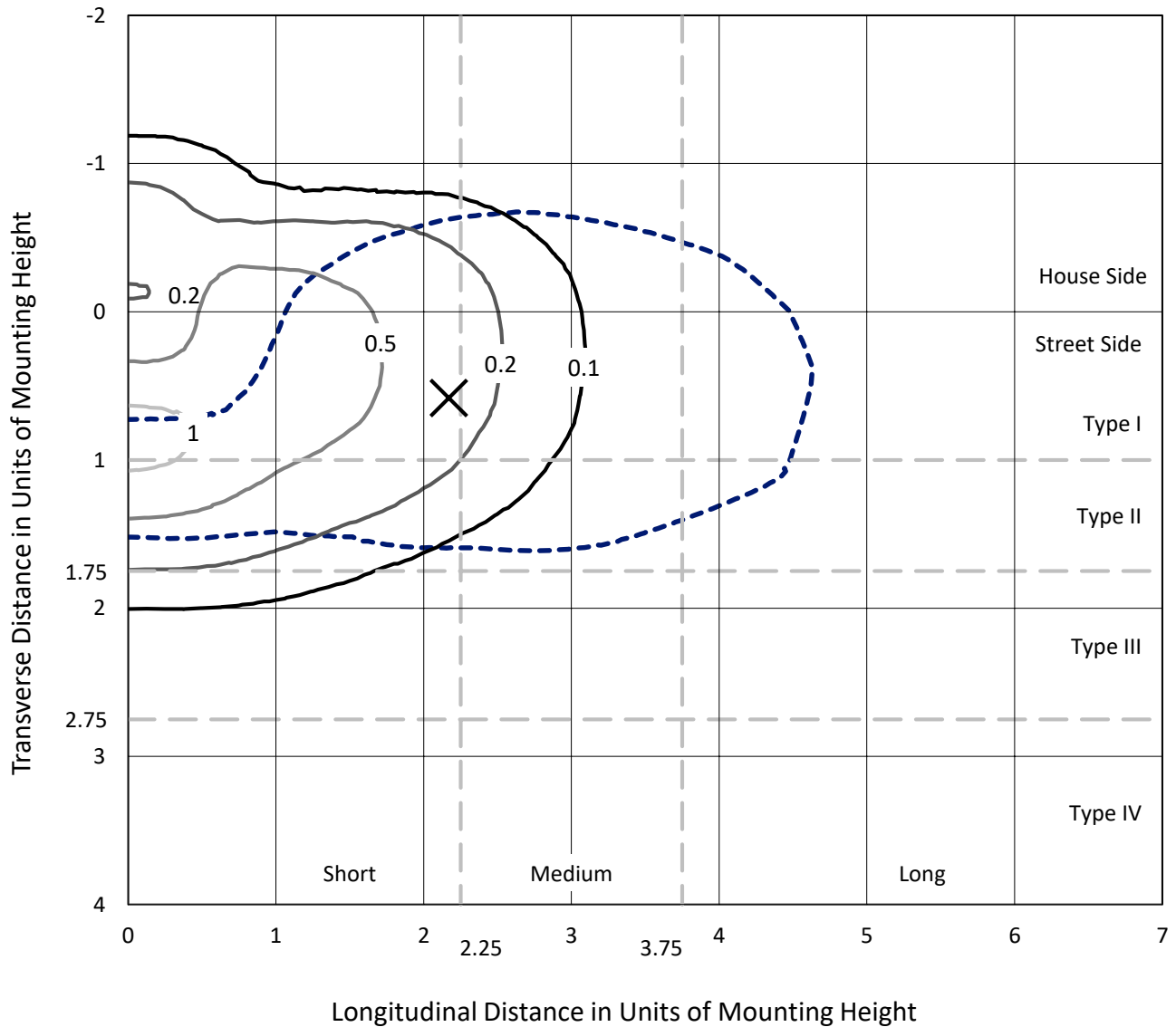
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

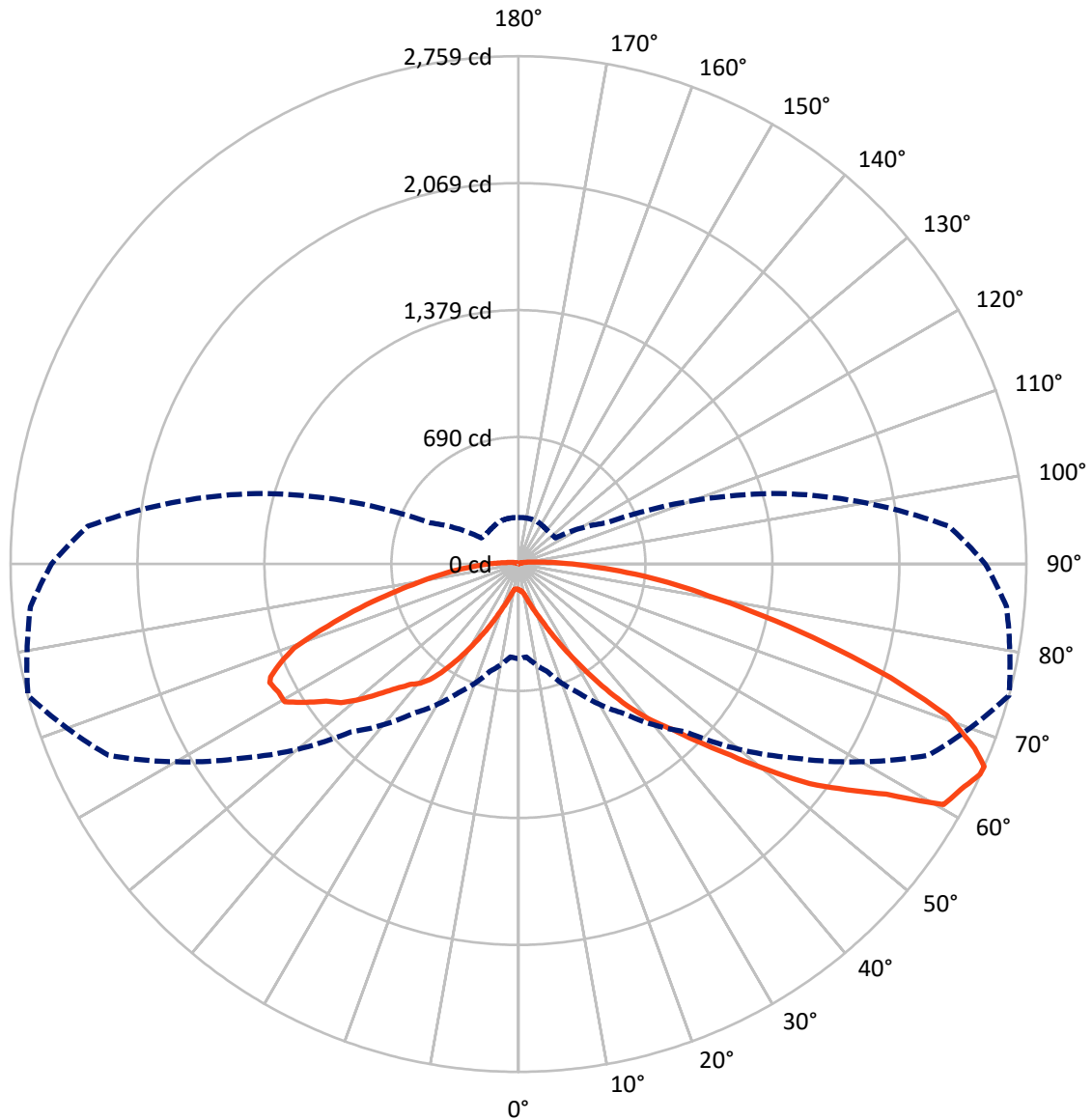
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
House Side	Lumens	1348.3	65.8	1414.1
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	3267.8	65.1	3332.9
	% Fixture	68.8	1.4	70.2
Total	Lumens	4616.1	130.9	4747.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.3
10°-20°	59.6	1.3
20°-30°	180.9	3.8
30°-40°	447.5	9.4
40°-50°	808.1	17.0
50°-60°	1091.9	23.0
60°-70°	1096.1	23.1
70°-80°	662.0	13.9
80°-90°	255.9	5.4
90°-100°	76.0	1.6
100°-110°	27.4	0.6
110°-120°	13.3	0.3
120°-130°	7.9	0.2
130°-140°	4.7	0.1
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4616.1	97.2
0°-180°	4747.0	100.0



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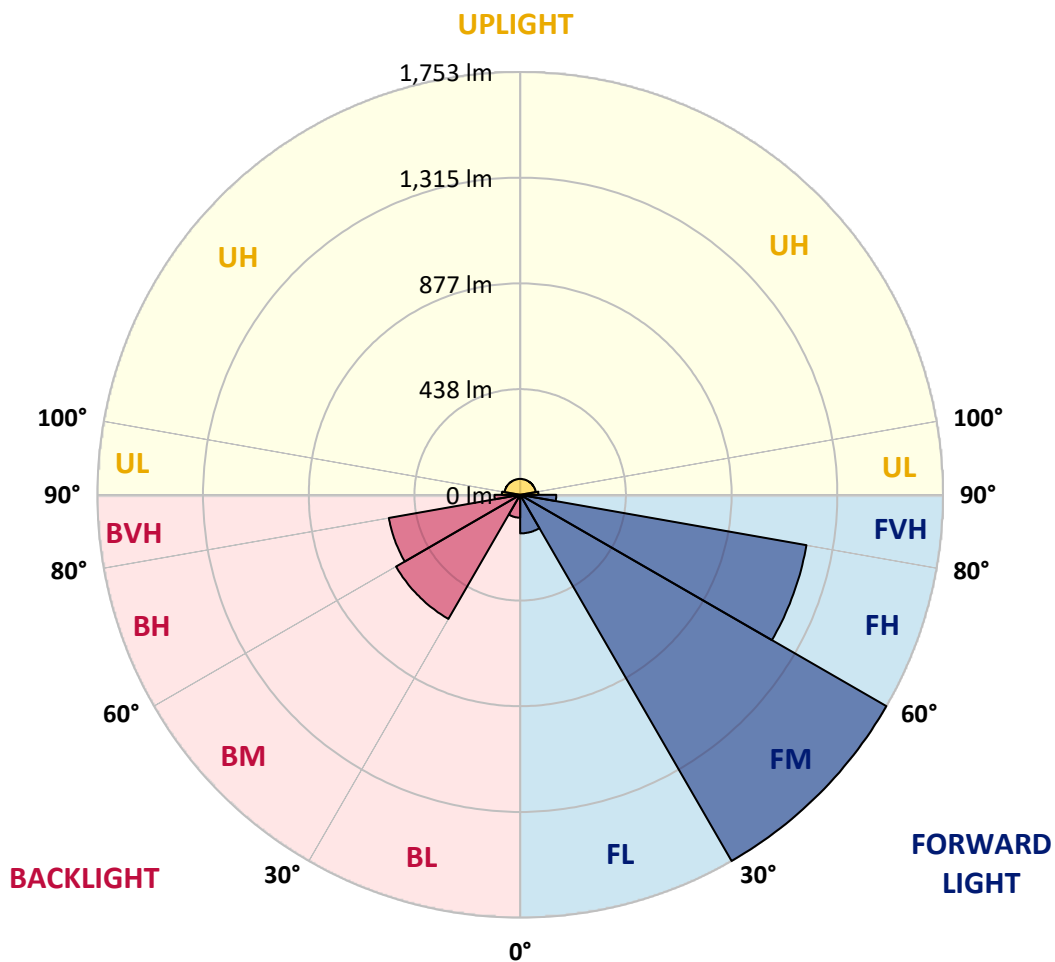
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.9	3.4			
FM (30°-60°)	1753.1	36.9			
FH (60°-80°)	1205.3	25.4			G1/1800
FVH (80°-90°)	149.5	3.1			G2/225
BL (0°-30°)	94.8	2.0	B0/110		
BM (30°-60°)	594.3	12.5	B1/1000		
BH (60°-80°)	552.7	11.6	B2/1000		G2/1000
BVH (80°-90°)	106.5	2.2			G2/225
UL (90°-100°)	76.0	1.6		U3/500	
UH (100°-180°)	65.8	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	154.4	153.3	152.2	151.1	150.0	148.9	146.7	144.0	141.8	141.8	139.6
5°	168.6	167.5	165.9	163.7	161.5	159.3	154.9	150.5	146.2	146.2	142.3
7.5°	186.1	185.6	183.4	180.7	175.7	170.8	165.3	158.8	152.7	152.2	147.3
10°	208.6	207.5	204.2	200.4	194.9	188.3	180.7	172.4	163.7	163.1	157.1
12.5°	239.8	237.6	232.1	226.1	215.7	209.1	200.4	192.7	186.1	184.5	176.3
15°	280.3	277.5	271.5	261.1	247.4	235.4	230.5	222.3	215.1	213.0	205.3
17.5°	332.3	329.6	319.2	302.7	288.5	276.5	265.5	257.3	251.3	250.7	239.8
20°	403.5	396.9	379.9	356.9	338.3	323.5	308.2	298.9	292.9	290.7	284.1
22.5°	491.0	489.4	465.3	435.2	404.6	377.7	360.8	350.4	346.0	346.5	342.7
25°	602.7	597.8	574.8	531.0	485.0	451.1	427.5	421.0	420.4	416.6	415.0
27.5°	722.1	715.5	685.4	643.2	582.5	536.5	510.2	503.1	504.7	500.4	503.6
30°	868.2	864.9	821.2	759.8	694.1	633.9	606.6	600.5	604.4	609.8	606.6
32.5°	1048.9	1053.8	994.1	911.5	819.5	750.0	719.9	717.7	723.2	722.1	720.4
35°	1269.0	1277.7	1195.0	1094.9	968.4	885.7	848.0	845.2	856.2	855.1	856.2
37.5°	1504.3	1508.2	1440.8	1282.1	1134.8	1020.4	989.2	985.9	996.3	990.3	984.3
40°	1689.9	1708.0	1629.2	1492.9	1300.7	1184.1	1146.3	1128.3	1119.0	1112.4	1068.6
42.5°	1865.7	1854.7	1798.9	1647.2	1471.0	1343.9	1293.6	1259.6	1229.5	1225.2	1177.0
45°	1980.6	1966.9	1913.8	1773.7	1608.4	1503.3	1456.7	1415.7	1381.7	1366.4	1308.4
47.5°	1987.2	1980.6	1968.0	1862.9	1718.4	1627.0	1611.6	1589.7	1552.5	1553.1	1478.6
50°	1887.0	1876.6	1913.3	1873.3	1773.1	1725.0	1783.0	1807.1	1759.5	1754.5	1677.3
52.5°	1709.6	1704.2	1770.9	1810.4	1774.8	1793.4	1931.3	2018.9	1981.7	1962.0	1862.4
55°	1530.1	1536.6	1594.7	1658.2	1716.8	1813.1	2062.7	2237.4	2164.0	2150.9	2026.6
57.5°	1285.4	1307.3	1393.8	1493.4	1585.4	1785.7	2131.7	2375.9	2357.2	2352.3	2246.1
60°	1017.1	1014.9	1143.0	1288.1	1439.2	1695.4	2135.5	2549.9	2653.4	2629.9	2479.9
62.5°	789.9	795.4	887.4	1069.1	1271.7	1558.0	2083.0	2627.7	2696.7	2669.8	2539.0
65°	572.1	580.8	693.1	839.8	1068.6	1372.4	1933.5	2522.0	2755.2	2738.8	2664.9
66°	514.0	506.4	604.9	771.3	988.7	1290.3	1839.4	2458.0	2758.5	2749.2	2661.1
67.5°	413.3	423.2	499.3	644.3	860.0	1159.5	1669.1	2355.6	2673.1	2660.5	2601.4
70°	306.0	315.3	367.3	483.4	652.5	924.6	1380.1	2034.8	2471.7	2481.0	2474.4
72.5°	226.6	236.5	272.1	355.8	482.8	687.6	1093.8	1715.1	2113.6	2135.5	2120.2
75°	176.3	180.1	209.7	268.2	353.1	484.5	809.1	1329.2	1720.6	1761.1	1775.3
77.5°	141.8	145.1	169.2	206.9	264.4	353.6	567.1	990.9	1362.0	1390.5	1417.3
80°	114.4	116.6	136.3	166.4	202.6	252.9	382.7	719.9	1045.1	1061.5	1100.9
82.5°	92.0	93.6	107.8	133.6	162.0	192.1	272.1	502.5	820.6	835.9	885.7
85°	72.3	73.4	85.9	106.2	130.3	152.2	196.5	355.3	591.2	605.5	665.7
87.5°	56.9	58.0	67.9	82.7	105.1	120.4	145.1	239.2	399.1	419.3	487.8
90°	44.9	45.4	52.6	64.0	81.6	98.0	113.9	167.0	266.1	277.5	315.9
92.5°	33.9	34.5	40.0	48.7	63.5	77.7	87.0	115.5	170.3	175.2	202.6
95°	25.2	25.7	30.1	35.6	47.6	60.8	67.3	81.0	107.3	113.9	121.0
97.5°	19.7	20.3	23.0	26.3	35.0	47.6	53.6	59.7	73.4	75.5	81.0
100°	17.0	17.0	18.6	20.8	26.3	37.2	42.2	47.1	55.3	55.3	58.6
102.5°	14.2	14.2	15.3	16.4	21.3	29.6	33.9	37.2	41.6	42.2	44.9
105°	12.6	12.6	13.1	14.2	18.1	24.1	27.9	29.6	32.3	32.3	33.4
107.5°	10.9	10.9	11.5	12.0	15.9	20.3	22.4	23.0	24.1	24.1	25.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	10.4	10.4	10.4	10.9	13.7	17.5	18.6	18.1	18.6	18.6	20.3
112.5°	9.9	9.3	9.3	9.9	12.6	15.3	15.3	14.8	14.8	14.8	16.4
115°	9.3	9.3	8.8	9.3	11.5	13.1	13.1	12.0	12.0	12.0	13.7
117.5°	9.3	9.3	8.8	8.8	10.4	12.0	11.5	10.4	9.9	10.4	12.0
120°	9.3	9.3	8.2	8.2	9.9	10.4	10.4	8.8	8.8	8.8	10.4
122.5°	9.3	9.3	8.2	8.2	9.3	9.9	9.3	7.7	7.7	7.7	9.3
125°	9.9	9.3	8.2	8.2	8.8	8.8	8.2	7.1	6.6	6.6	8.2
127.5°	9.9	9.9	8.8	8.2	8.2	8.2	7.7	6.6	6.0	6.0	7.7
130°	10.9	10.4	9.3	8.2	7.7	7.1	6.6	6.0	6.0	6.0	7.1
132.5°	10.9	10.9	9.3	7.7	7.1	6.6	6.0	4.9	5.5	5.5	6.6
135°	10.4	9.9	8.2	7.1	6.6	5.5	4.9	4.4	4.9	4.9	6.0
137.5°	9.3	8.8	7.7	6.0	5.5	4.4	3.8	3.3	3.8	3.8	4.9
140°	7.7	7.7	6.0	4.9	4.4	3.8	3.3	2.2	2.7	3.3	3.8
142.5°	6.6	6.0	4.9	3.8	3.3	2.7	2.2	1.6	2.2	2.2	2.7
145°	5.5	4.9	3.8	2.7	2.2	1.6	1.1	1.1	1.1	1.1	1.6
147.5°	4.4	3.8	2.7	1.6	1.1	1.1	0.5	0.5	1.1	1.1	1.1
150°	3.3	3.3	2.2	1.1	0.5	0.5	0.0	0.5	0.5	0.5	0.5
152.5°	2.7	2.7	1.6	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
155°	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	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°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	139.0	138.0	136.9	135.8	134.7	134.1	132.5	131.4	131.4	131.4	130.8
5°	140.7	138.5	135.8	133.6	130.8	128.6	127.0	125.4	124.3	124.3	124.3
7.5°	144.5	142.3	137.4	133.0	129.2	125.9	123.7	122.1	121.5	121.0	121.0
10°	153.3	149.4	142.9	136.3	130.8	126.5	124.3	123.2	122.6	122.6	122.6
12.5°	173.0	167.5	157.7	146.7	137.4	130.8	128.6	128.6	131.9	133.6	133.6
15°	199.3	194.3	182.8	167.5	152.7	141.8	140.1	144.0	148.4	150.5	150.0
17.5°	235.4	228.8	213.5	193.2	173.5	162.6	157.7	161.5	167.0	169.7	169.7
20°	278.1	271.5	250.7	223.4	199.3	187.2	179.6	179.6	186.7	188.9	190.0
22.5°	336.7	326.8	297.3	259.5	228.3	209.7	200.4	198.7	206.9	210.8	209.7
25°	402.4	394.7	360.2	303.8	263.3	233.2	220.6	220.6	231.0	239.8	240.3
27.5°	494.3	475.2	427.0	358.0	297.3	255.1	241.4	244.2	255.1	263.9	263.9
30°	590.7	577.0	506.4	415.5	330.1	275.4	255.7	260.0	269.9	279.7	279.7
32.5°	707.3	684.3	597.3	472.4	360.2	288.5	263.3	269.3	280.8	290.7	290.7
35°	821.2	802.5	688.7	532.1	386.5	294.0	266.6	273.7	286.9	298.9	300.0
37.5°	953.6	913.1	777.9	585.8	405.6	295.1	265.5	278.1	295.6	309.3	309.8
40°	1033.0	984.3	838.1	625.7	414.4	291.2	265.5	281.4	296.2	301.1	300.5
42.5°	1127.2	1065.9	880.3	630.6	403.5	283.6	265.0	277.5	284.1	284.1	283.6
45°	1253.6	1184.6	947.1	633.4	381.0	274.3	260.6	268.8	267.1	262.2	260.6
47.5°	1408.5	1324.8	1031.9	643.2	359.1	265.0	255.7	257.8	250.2	239.2	238.7
50°	1593.6	1495.0	1131.5	653.6	340.0	257.3	251.3	249.1	241.4	232.1	231.0
52.5°	1767.1	1648.3	1221.9	660.8	324.1	252.4	248.0	247.4	239.8	227.7	226.6
55°	1924.2	1781.9	1282.6	647.1	309.8	250.2	248.0	248.5	238.7	226.6	225.0
57.5°	2151.4	1995.4	1379.0	626.8	292.9	249.6	249.6	250.2	238.1	226.6	225.0
60°	2349.0	2175.5	1473.7	625.2	276.5	249.1	250.2	249.6	240.9	233.8	232.1
62.5°	2416.9	2251.6	1478.1	585.8	266.1	246.3	248.0	250.7	249.1	245.8	244.2
65°	2545.0	2364.4	1496.7	541.4	251.3	241.4	245.3	252.4	253.5	251.3	249.6
66°	2535.7	2348.5	1478.6	527.7	246.3	238.7	243.6	251.3	253.5	252.9	251.8
67.5°	2489.7	2307.4	1418.9	488.9	239.2	233.8	240.9	248.5	253.5	255.1	254.0
70°	2365.5	2183.7	1300.2	430.3	225.5	222.3	232.1	242.0	250.2	252.9	252.4
72.5°	2015.7	1842.7	1087.8	367.3	206.4	205.8	217.3	229.4	239.2	242.0	240.9
75°	1692.1	1521.9	893.4	302.7	186.7	187.2	198.2	209.7	217.3	217.3	217.9
77.5°	1356.5	1212.6	707.8	251.3	166.4	166.4	174.1	183.4	188.3	186.1	182.8
80°	1043.4	948.2	552.9	210.2	146.2	145.1	148.9	156.0	159.9	154.9	151.1
82.5°	842.5	760.4	437.4	175.2	126.5	125.4	127.0	131.9	134.1	128.6	127.0
85°	639.4	565.5	329.0	144.0	109.5	106.7	109.5	110.6	113.3	108.4	105.1
87.5°	452.2	400.7	238.7	119.9	93.6	92.0	91.4	92.5	94.2	90.9	89.2
90°	303.8	266.6	172.4	100.2	79.9	77.2	76.1	76.1	77.2	71.7	70.1
92.5°	194.9	172.4	119.9	79.9	66.8	63.5	61.3	61.9	61.3	55.8	54.7
95°	121.5	110.0	86.5	63.0	53.6	50.9	48.7	48.2	47.6	43.8	42.7
97.5°	79.4	75.5	64.6	49.8	42.7	40.5	39.4	38.9	38.9	36.1	34.5
100°	59.1	57.5	50.9	41.6	35.0	33.4	32.3	32.3	33.4	31.2	30.1
102.5°	46.0	46.5	41.6	35.0	29.6	28.5	27.4	27.4	28.5	27.4	26.8
105°	35.0	35.0	33.9	29.0	25.2	24.6	23.5	23.5	24.6	24.6	24.6
107.5°	27.4	28.5	27.4	24.1	21.9	21.3	20.3	20.3	21.3	21.9	22.4



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CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.9	23.0	22.4	20.8	19.2	18.6	17.5	17.0	18.1	19.7	19.7
112.5°	17.5	18.6	18.6	17.5	16.4	16.4	15.3	14.8	15.9	17.5	17.5
115°	14.8	15.9	15.9	15.3	14.8	14.2	13.1	12.6	13.7	15.3	15.9
117.5°	12.6	13.7	13.7	13.7	13.1	12.6	11.5	10.9	11.5	13.1	13.7
120°	11.5	12.0	12.0	12.0	11.5	11.5	10.4	9.9	10.4	12.0	12.0
122.5°	9.9	10.4	10.9	10.9	10.4	10.4	9.3	8.2	8.8	10.4	10.9
125°	8.8	9.3	9.9	9.9	9.3	9.3	8.2	7.7	8.2	9.3	9.9
127.5°	8.2	8.8	8.8	8.8	8.8	8.2	7.1	6.6	7.1	8.8	8.8
130°	7.7	8.2	8.2	8.2	7.7	7.1	6.6	6.0	6.6	8.2	8.2
132.5°	7.1	7.7	7.7	7.1	7.1	6.6	5.5	4.9	6.0	7.1	7.1
135°	6.0	6.6	6.6	6.6	6.0	5.5	4.9	4.4	5.5	6.0	6.0
137.5°	4.9	5.5	5.5	5.5	4.9	4.4	3.8	3.8	4.4	5.5	5.5
140°	3.8	4.4	4.4	4.4	3.8	3.8	3.3	2.7	3.8	4.4	4.4
142.5°	2.7	3.3	3.3	3.3	2.7	2.7	2.2	2.2	3.3	3.8	3.8
145°	1.6	2.2	2.2	2.2	2.2	1.6	1.6	1.6	2.2	2.7	2.7
147.5°	1.1	1.6	1.6	1.6	1.6	1.1	0.5	1.1	1.6	2.2	2.2
150°	0.5	1.1	1.1	1.1	1.1	0.5	0.0	0.5	1.1	1.6	1.6
152.5°	0.5	0.5	1.1	1.1	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)