

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: P414994

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4134 lumens
Efficiency: N/A
Efficacy: 103.3 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 - U2 - 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

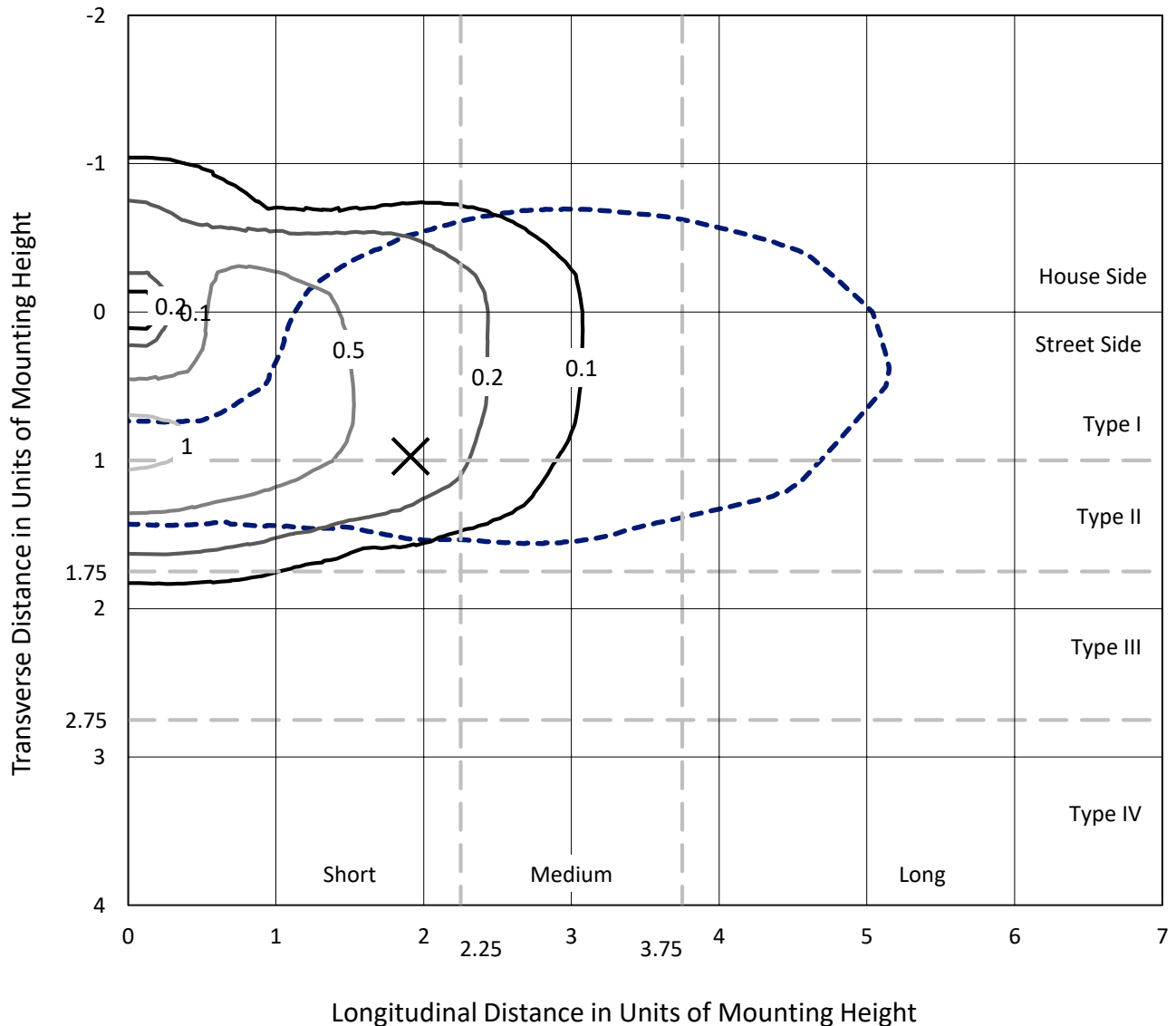


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

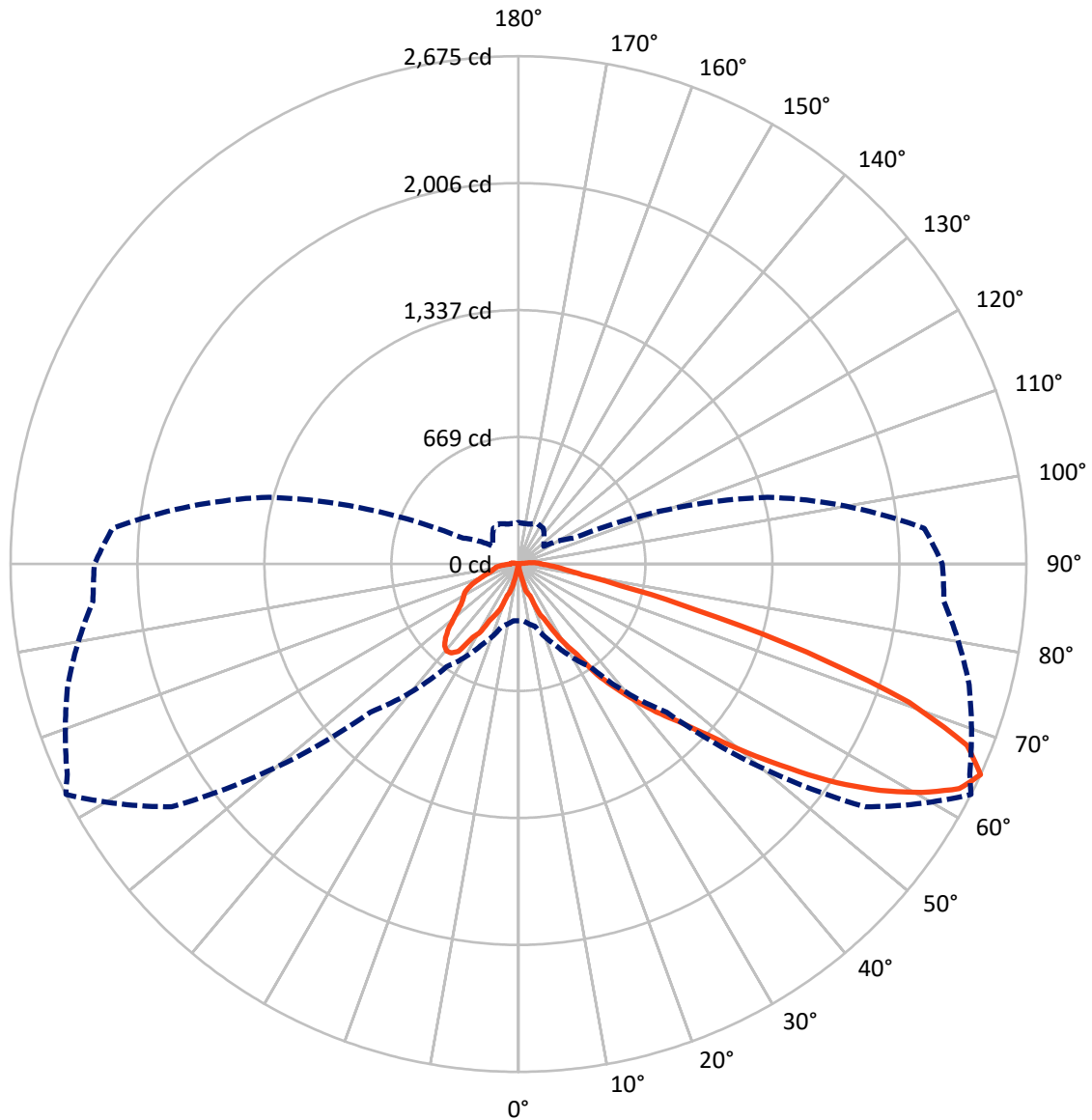


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.5	34.1	1210.6
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	2891.5	31.8	2923.4
	% Fixture	69.9	0.8	70.7
Total	Lumens	4068.0	65.9	4134.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	37.1	0.9
20°-30°	151.9	3.7
30°-40°	394.6	9.5
40°-50°	750.4	18.2
50°-60°	1010.1	24.4
60°-70°	956.9	23.1
70°-80°	599.7	14.5
80°-90°	164.7	4.0
90°-100°	46.1	1.1
100°-110°	8.6	0.2
110°-120°	4.1	0.1
120°-130°	3.0	0.1
130°-140°	1.9	0.0
140°-150°	1.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4068.0	98.4
0°-180°	4134.0	100.0



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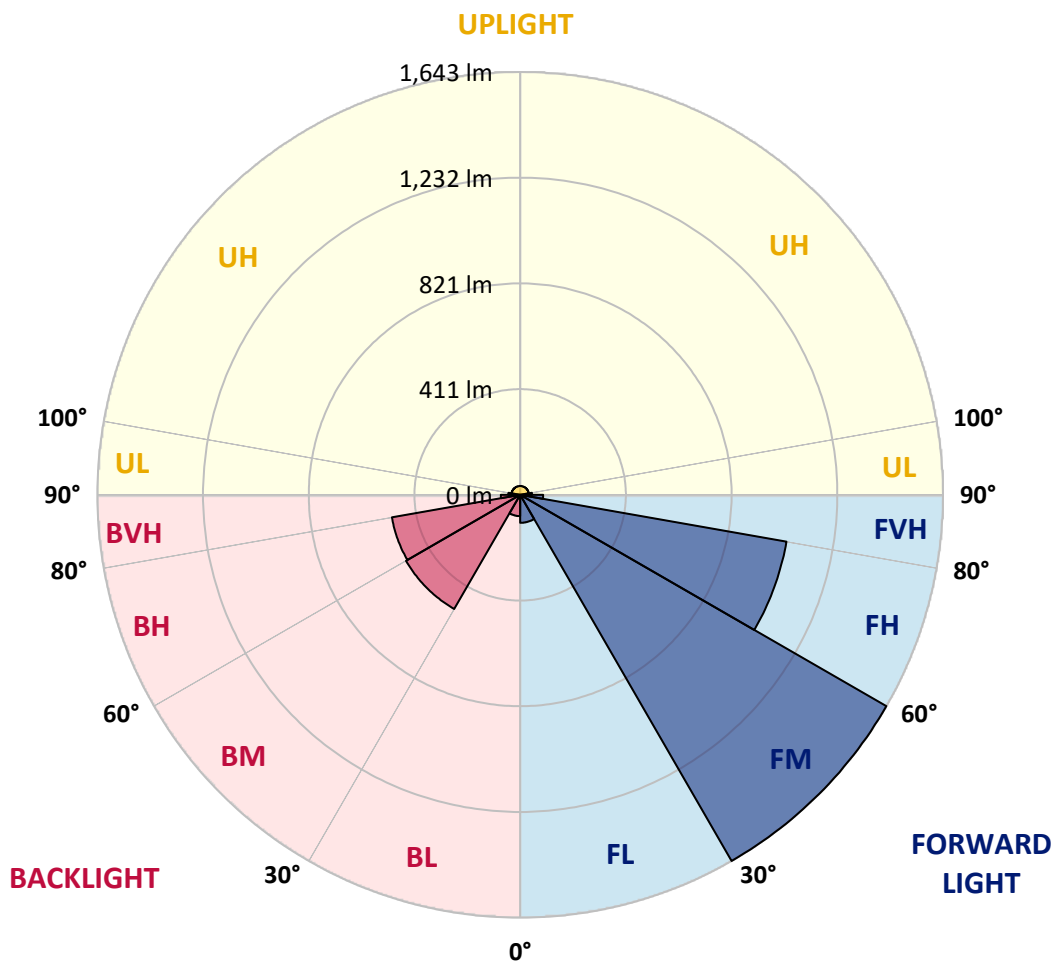
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.8	2.6			
FM	(30°-60°)	1642.9	39.7			
FH	(60°-80°)	1050.5	25.4			G1/1800
FVH	(80°-90°)	89.3	2.2			G1/100
BL	(0°-30°)	82.9	2.0	B0/110		
BM	(30°-60°)	512.2	12.4	B1/1000		
BH	(60°-80°)	506.1	12.2	B2/1000		G2/1000
BVH	(80°-90°)	75.3	1.8			G1/100
UL	(90°-100°)	46.1	1.1		U2/50	
UH	(100°-180°)	34.1	0.8		U2/50	

BUG Rating: B2-U2-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	5.5	5.0	5.5	5.5	5.0	4.6	4.1	3.7	3.2	2.3	1.8
5°	64.6	65.0	64.1	62.7	22.4	10.1	6.0	4.6	4.1	2.7	2.3
7.5°	74.2	73.7	73.3	72.3	69.1	65.0	35.3	8.2	6.4	3.7	2.3
10°	81.5	80.6	78.3	77.8	74.6	72.3	66.8	43.0	36.2	6.4	4.6
12.5°	148.3	145.1	142.4	117.7	82.4	77.8	74.6	65.0	63.6	40.7	60.9
15°	155.2	155.7	153.8	151.1	144.7	97.1	120.9	146.5	146.1	126.4	124.5
17.5°	176.3	174.9	168.0	161.2	158.9	172.6	171.2	163.5	163.5	144.7	136.9
20°	272.4	270.1	266.0	221.6	197.3	223.0	209.2	182.2	183.1	223.4	242.7
22.5°	315.5	314.5	306.3	286.6	279.3	245.9	275.6	285.2	279.7	283.0	271.1
25°	431.8	427.2	391.0	356.2	360.3	331.9	331.5	325.5	322.3	308.1	329.7
27.5°	549.4	545.8	537.5	488.5	416.2	400.2	374.5	408.9	399.7	432.7	440.0
30°	728.0	694.6	625.0	592.0	568.2	491.7	484.4	494.9	492.2	483.0	474.8
32.5°	913.9	900.1	859.4	739.0	663.4	619.5	598.0	565.5	550.3	648.8	655.6
35°	1108.0	1095.2	995.4	925.3	795.8	724.3	712.4	717.0	696.9	744.9	733.5
37.5°	1449.6	1443.2	1342.9	1125.4	989.9	850.2	833.8	828.3	796.7	831.5	831.9
40°	1668.9	1658.4	1547.6	1387.3	1168.9	1052.6	972.5	940.9	932.7	934.5	934.9
42.5°	1831.9	1814.9	1750.4	1603.0	1374.9	1238.5	1125.4	1064.5	1081.0	1048.9	1047.1
45°	1937.6	1928.5	1869.9	1746.7	1588.8	1521.0	1320.9	1183.6	1239.0	1181.7	1179.0
47.5°	1961.5	1957.3	1916.6	1854.8	1788.8	1760.5	1556.7	1346.6	1397.4	1372.2	1320.9
50°	1858.0	1861.6	1846.5	1869.0	1940.8	1973.4	1805.3	1562.7	1590.6	1530.6	1465.1
52.5°	1631.8	1631.3	1686.3	1785.6	1996.7	2126.7	2035.6	1787.5	1786.1	1677.6	1603.4
55°	1309.9	1334.6	1427.6	1581.9	1920.2	2197.2	2254.0	2034.7	1996.3	1849.3	1726.6
57.5°	998.1	1030.2	1144.2	1284.3	1702.8	2147.3	2412.9	2249.4	2209.6	2004.0	1857.1
60°	675.3	687.7	831.5	993.5	1354.3	1955.5	2487.5	2443.1	2399.2	2162.0	1988.9
62.5°	450.1	461.1	543.5	740.8	971.1	1589.2	2439.5	2606.6	2548.4	2348.8	2126.7
65°	299.4	299.4	340.2	476.6	660.7	1103.4	2228.8	2674.8	2622.1	2456.9	2249.0
67.5°	220.7	224.3	237.6	307.2	450.1	660.2	1772.8	2548.9	2554.4	2469.2	2287.9
70°	200.1	202.4	213.8	231.7	321.4	392.8	1171.7	2183.5	2278.3	2375.8	2238.0
72.5°	174.9	175.8	194.1	213.4	253.2	301.3	681.3	1586.9	1786.1	2172.5	2100.6
75°	146.5	147.9	162.5	191.4	218.9	252.7	362.6	966.1	1164.3	1865.3	1918.9
77.5°	119.0	122.2	134.2	156.6	201.0	212.0	278.4	552.2	674.4	1389.1	1622.2
80°	91.6	94.8	105.3	123.2	164.4	187.3	231.2	339.7	408.9	863.5	1133.7
82.5°	62.7	65.0	75.5	88.8	117.7	156.1	191.4	250.4	270.6	472.5	625.4
85°	44.4	45.8	52.7	58.6	73.3	102.6	159.8	198.7	204.2	250.4	254.6
87.5°	25.2	24.7	25.6	29.8	33.4	39.8	94.3	145.6	152.5	174.4	162.1
90°	17.4	16.9	14.2	13.7	15.6	16.9	53.6	115.8	121.8	140.6	144.2
92.5°	18.3	17.4	13.7	12.8	14.7	15.6	35.7	101.2	114.0	140.6	148.3
95°	17.4	16.5	12.4	11.0	13.3	13.7	22.0	69.6	89.7	131.4	145.1
97.5°	15.1	14.2	10.1	9.2	11.0	11.0	12.4	32.0	44.0	61.4	69.1
100°	12.4	11.4	8.2	7.3	7.8	8.2	7.8	16.0	16.0	16.9	13.3
102.5°	11.0	10.5	6.9	6.0	5.5	5.5	5.0	7.8	8.2	9.2	11.4
105°	9.6	9.2	6.0	5.0	4.1	4.1	3.7	5.0	5.5	7.8	11.0
107.5°	6.9	6.9	5.0	4.1	3.7	3.7	2.7	4.1	4.6	6.9	11.4
110°	4.6	4.6	3.7	3.7	3.2	3.7	2.7	4.1	4.1	5.5	8.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	3.7	3.7	3.2	2.7	2.3	2.7	3.2	3.7	3.7	4.1	5.5
115°	3.7	3.2	2.7	2.3	1.8	2.3	2.3	3.2	3.2	4.1	5.5
117.5°	3.7	3.7	2.7	2.3	1.8	1.8	2.3	2.7	2.7	4.1	6.0
120°	3.7	3.7	2.7	2.3	1.8	1.4	1.8	2.7	2.7	3.7	5.5
122.5°	3.7	3.7	2.7	2.3	1.8	1.4	1.8	2.3	2.3	3.2	5.5
125°	4.1	4.1	3.2	2.3	1.8	1.4	1.8	1.8	1.8	3.2	5.0
127.5°	4.1	4.1	3.2	2.3	1.8	1.4	1.8	1.8	1.8	2.7	4.1
130°	4.1	4.1	3.2	2.3	1.8	1.4	1.8	1.4	1.4	2.3	3.7
132.5°	4.1	3.7	3.2	2.7	2.3	1.8	1.8	1.4	1.4	1.4	2.7
135°	3.7	3.7	3.2	2.7	2.3	1.8	1.8	1.4	1.4	1.4	1.8
137.5°	3.7	3.7	3.7	3.2	2.7	2.3	1.8	1.4	1.4	1.4	1.4
140°	4.1	4.1	4.1	3.7	2.7	2.3	1.8	1.4	1.4	1.4	1.4
142.5°	4.6	4.6	4.6	4.1	2.7	2.3	2.3	1.4	1.4	1.4	1.4
145°	5.0	5.0	5.0	4.1	2.7	2.3	2.3	1.8	1.8	1.4	1.8
147.5°	5.5	5.5	5.0	4.1	2.3	1.8	1.8	1.8	1.8	1.8	1.8
150°	5.0	4.6	4.6	3.2	1.8	0.9	1.4	1.4	1.4	1.8	1.8
152.5°	3.7	3.7	3.2	2.3	1.4	0.5	0.9	0.9	1.4	1.4	1.4
155°	2.3	2.3	1.8	1.4	0.9	0.5	0.5	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	1.8	1.8	2.3	2.7	2.7	3.2	3.2	3.2	3.2	3.2	3.2
5°	1.8	1.8	2.3	2.7	3.2	3.7	4.1	4.1	4.1	4.6	4.6
7.5°	2.3	2.3	2.3	3.2	3.7	5.0	13.7	41.2	63.6	65.5	66.4
10°	4.6	4.6	4.6	4.6	10.1	58.6	72.8	76.0	77.8	79.2	79.2
12.5°	61.4	60.9	22.0	11.0	50.4	76.0	80.6	82.9	84.7	86.1	86.5
15°	124.5	125.0	125.0	126.4	91.6	82.9	87.5	129.1	152.9	157.5	159.3
17.5°	136.4	136.4	136.0	151.6	170.3	134.6	150.2	163.9	168.5	170.8	171.7
20°	249.1	248.6	200.5	174.0	179.9	223.4	168.0	174.4	178.1	212.4	213.4
22.5°	274.7	273.3	267.4	268.8	212.0	241.7	230.3	223.4	245.0	244.0	245.0
25°	337.4	304.5	291.7	288.9	307.2	251.4	266.9	231.2	236.7	235.8	236.7
27.5°	441.8	429.9	400.2	338.4	327.4	310.4	267.4	242.7	272.9	279.7	280.7
30°	473.9	458.8	427.2	429.9	364.9	315.9	260.5	268.8	258.2	257.3	255.5
32.5°	649.7	630.0	582.4	468.8	406.6	296.7	261.9	244.5	250.0	268.3	269.2
35°	723.9	701.4	668.0	598.4	394.2	291.2	239.5	238.5	242.2	242.7	241.7
37.5°	808.1	778.8	747.2	630.5	411.6	263.7	223.4	223.9	232.1	248.2	246.3
40°	906.1	873.6	822.3	649.2	369.5	247.2	212.9	219.8	228.5	224.8	221.6
42.5°	1016.4	963.3	882.7	645.6	321.4	228.0	210.2	214.7	213.4	206.5	204.7
45°	1130.4	1074.1	941.8	614.9	277.9	215.6	205.1	206.5	201.0	192.3	190.5
47.5°	1261.9	1187.7	975.2	570.0	243.1	214.7	203.7	199.2	188.6	180.9	180.4
50°	1394.2	1313.1	1027.4	510.1	217.0	211.1	207.0	197.3	184.5	176.7	175.8
52.5°	1523.7	1452.8	1083.7	459.7	197.3	207.0	208.3	198.3	184.5	173.1	172.6
55°	1653.8	1591.5	1144.6	419.9	184.1	206.5	213.4	201.0	187.3	170.3	169.9
57.5°	1784.3	1723.8	1203.2	393.3	178.1	200.5	216.6	209.7	194.6	180.4	181.3
60°	1939.0	1867.6	1272.4	374.5	175.8	197.3	219.3	219.8	199.2	183.1	185.4
62.5°	2091.0	2018.7	1331.0	357.1	169.9	194.1	220.7	227.6	209.2	195.5	197.8
65°	2232.5	2146.4	1358.0	323.7	162.5	190.5	228.9	234.4	217.0	215.6	218.4
67.5°	2286.5	2206.4	1331.4	282.0	158.0	190.5	237.6	244.0	225.3	232.6	239.9
70°	2234.3	2167.5	1264.6	229.8	159.3	191.8	239.0	248.6	237.2	243.1	249.5
72.5°	2072.3	1987.1	1102.1	185.0	159.3	190.0	233.0	241.3	232.6	252.3	258.7
75°	1867.6	1719.2	877.3	152.5	154.8	189.1	219.3	228.9	220.2	240.8	247.7
77.5°	1542.5	1352.5	606.7	134.6	148.3	180.9	205.1	207.0	198.3	210.6	213.8
80°	1087.9	911.6	384.1	121.8	141.9	163.5	181.8	178.6	169.9	172.2	174.9
82.5°	606.7	482.1	223.9	112.2	133.2	136.0	148.8	149.7	138.3	138.7	139.2
85°	240.8	223.0	151.6	94.3	107.6	98.0	111.3	115.8	104.8	92.0	89.3
87.5°	159.8	151.6	105.8	64.6	65.9	55.4	72.3	75.1	61.8	53.6	53.1
90°	152.0	147.4	91.1	43.5	36.6	30.2	40.3	38.9	29.8	26.1	26.6
92.5°	156.6	153.8	92.5	41.7	35.7	28.8	35.7	30.7	22.4	19.7	20.1
95°	154.3	152.9	90.2	40.7	33.9	26.6	30.2	24.7	17.4	15.6	15.6
97.5°	73.3	77.4	55.9	36.6	30.2	22.4	23.4	18.8	12.4	11.4	11.0
100°	11.0	17.4	30.2	33.9	22.4	15.6	15.1	12.4	7.8	7.3	7.3
102.5°	11.4	12.4	18.8	23.4	12.4	8.2	8.2	7.3	6.0	6.9	6.9
105°	12.4	11.4	11.0	12.8	7.3	5.0	4.6	4.6	5.0	7.3	7.8
107.5°	13.3	12.4	8.7	6.9	5.5	4.6	3.7	3.2	4.6	7.8	8.2
110°	10.1	9.6	7.3	5.5	5.5	5.0	3.2	3.2	5.0	8.2	9.2



REPORT NUMBER: P414994

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.0	6.9	6.4	5.0	4.6	4.6	3.2	3.2	5.0	8.7	9.6
115°	6.4	6.4	5.5	4.1	3.7	3.7	3.2	2.7	5.0	9.2	9.6
117.5°	6.4	6.4	5.5	4.1	3.2	2.7	2.7	2.7	5.0	9.2	9.6
120°	6.4	6.4	5.5	3.7	3.2	2.7	2.7	2.7	5.0	8.7	9.6
122.5°	6.0	6.0	5.0	3.7	2.7	2.7	2.7	2.7	5.0	8.2	8.7
125°	5.5	5.5	4.6	3.2	2.7	2.3	2.7	2.7	4.6	7.3	7.8
127.5°	4.6	5.0	4.1	3.2	2.7	2.3	2.7	2.7	4.1	6.4	6.9
130°	4.1	4.1	3.7	2.7	2.3	2.3	2.7	2.7	4.1	6.0	6.4
132.5°	3.2	3.2	2.7	2.7	2.3	2.3	2.3	2.3	3.2	5.0	5.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.7	3.7	4.1
137.5°	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.2	3.2
140°	1.4	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.7	2.7
142.5°	1.4	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.7	3.2	3.2
145°	1.8	1.8	2.3	2.3	2.3	1.8	2.3	2.3	2.7	3.2	3.2
147.5°	1.8	1.8	2.3	2.3	2.3	1.8	1.8	2.3	2.7	3.2	3.2
150°	1.8	1.8	2.3	2.3	1.8	1.4	1.8	1.8	2.3	3.2	3.2
152.5°	1.8	1.8	1.8	1.8	1.4	0.9	1.4	1.4	1.8	2.3	2.3
155°	1.4	1.4	1.4	1.4	1.4	0.9	0.9	0.9	1.4	1.4	1.8
157.5°	0.9	0.9	0.9	1.4	0.9	0.9	0.5	0.5	0.5	0.9	0.9
160°	0.5	0.5	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5
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

(END OF REPORT)