

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: P414985

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414985
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-PA1-40-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 4054 lumens
Efficiency: N/A
Efficacy: 101.4 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 - U2 - G2

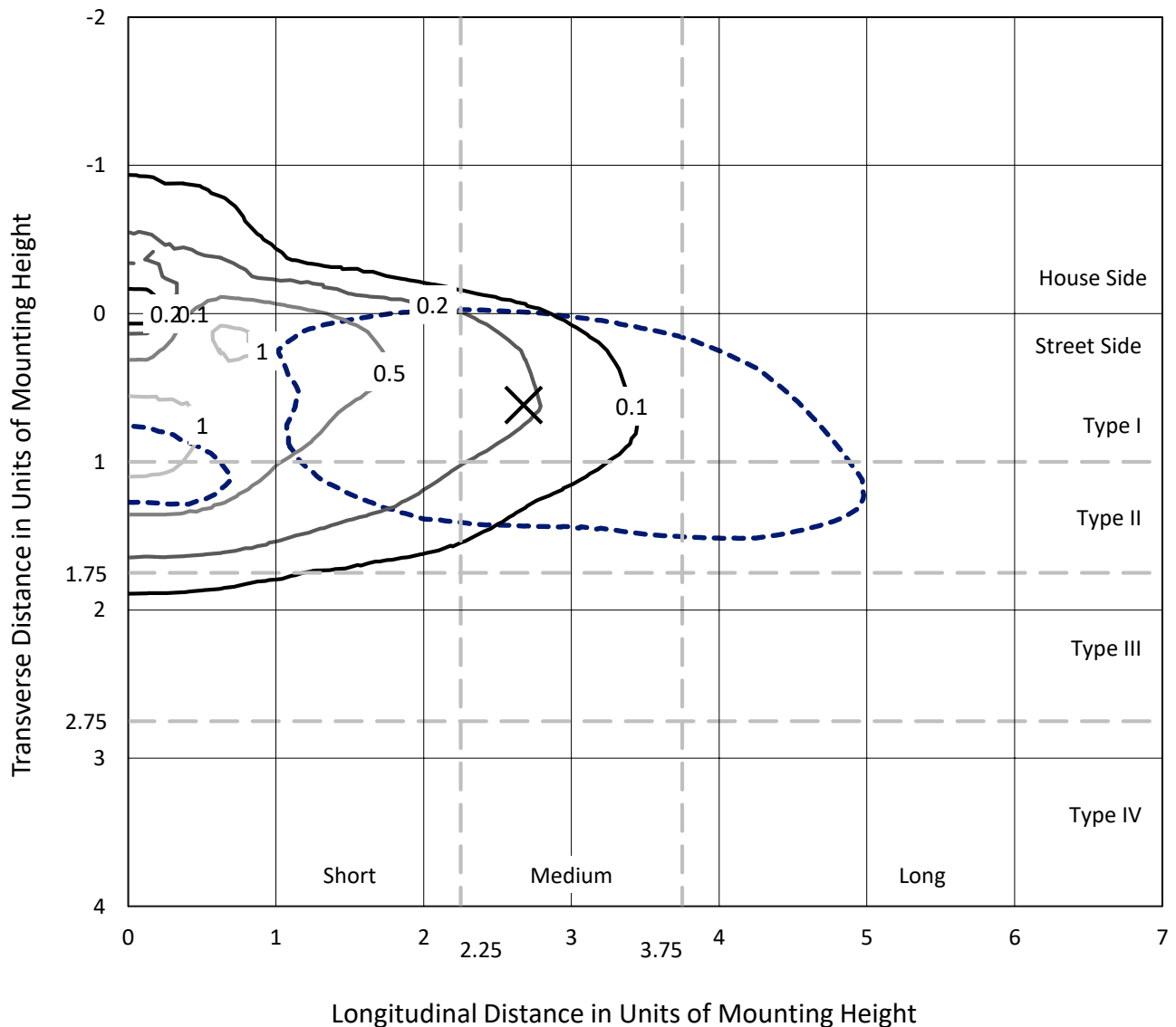
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

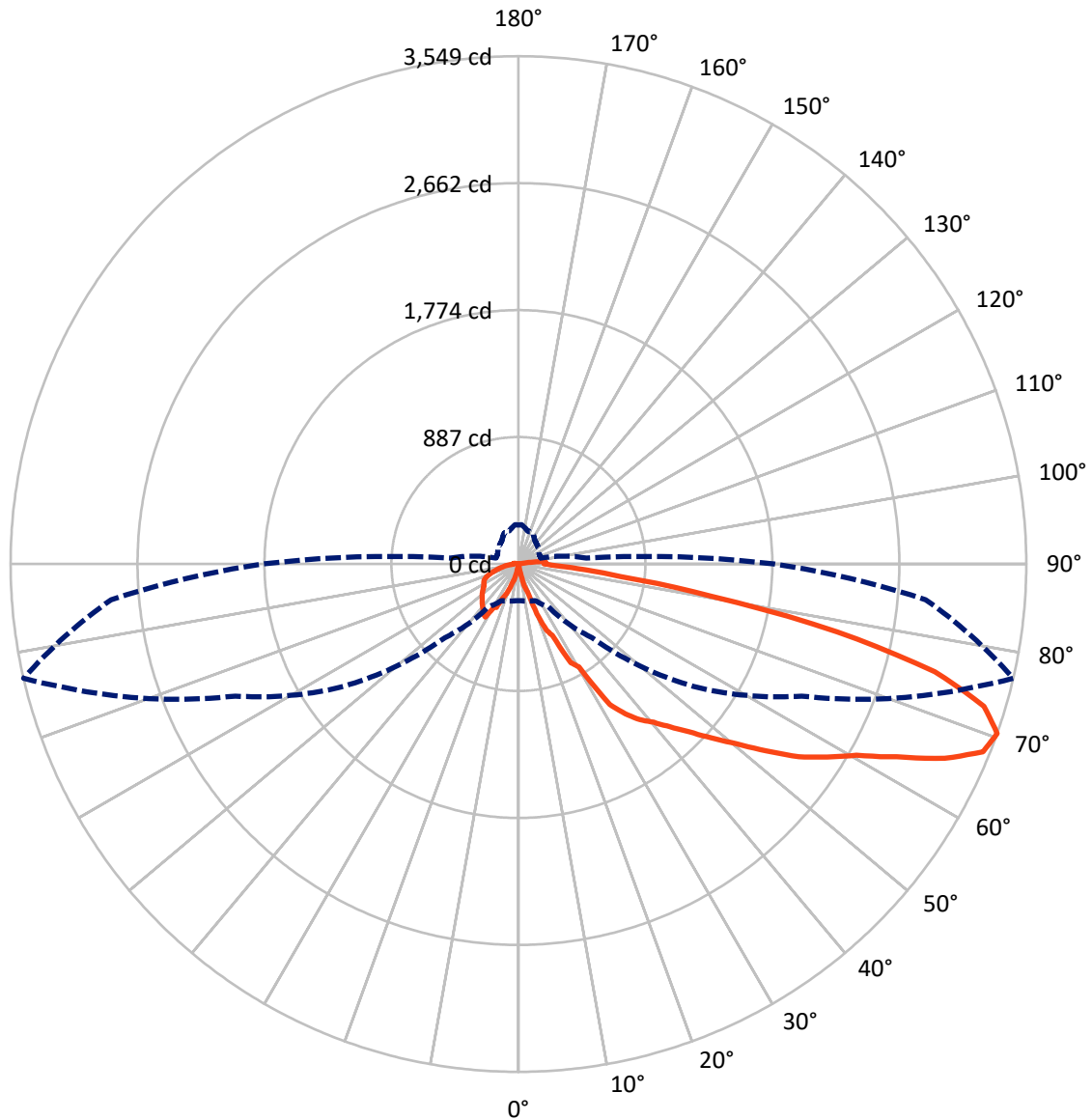


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - Non-Cutoff

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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
House Side	Lumens	685.7	30.1	715.7
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	3300.8	37.4	3338.3
	% Fixture	81.4	0.9	82.3
Total	Lumens	3986.5	67.5	4054.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	48.2	1.2
20°-30°	191.1	4.7
30°-40°	461.4	11.4
40°-50°	746.3	18.4
50°-60°	892.6	22.0
60°-70°	872.8	21.5
70°-80°	603.4	14.9
80°-90°	167.5	4.1
90°-100°	44.1	1.1
100°-110°	9.0	0.2
110°-120°	4.8	0.1
120°-130°	3.9	0.1
130°-140°	2.6	0.1
140°-150°	2.2	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3986.5	98.3
0°-180°	4054.0	100.0



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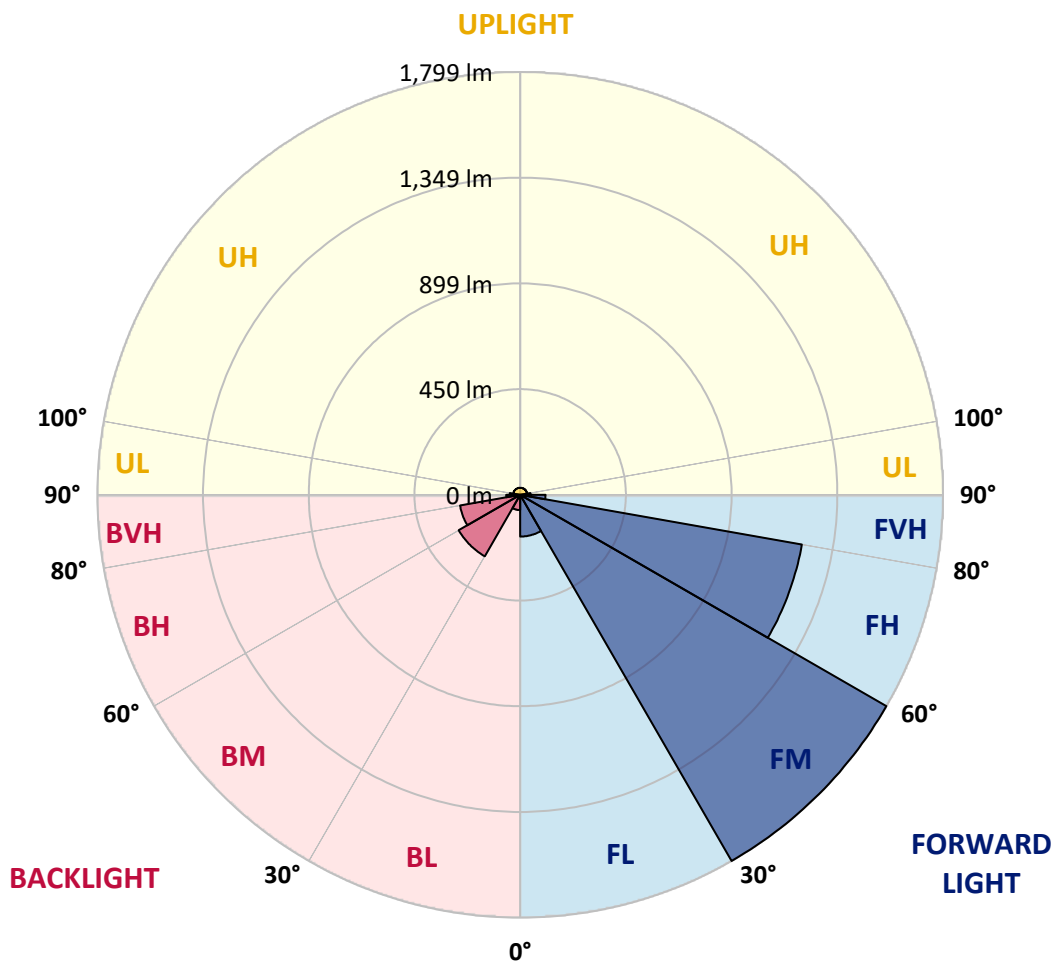
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.6	4.4			
FM (30°-60°)	1798.6	44.4			
FH (60°-80°)	1216.7	30.0			G1/1800
FVH (80°-90°)	107.9	2.7			G2/225
BL (0°-30°)	64.9	1.6	B0/110		
BM (30°-60°)	301.6	7.4	B1/1000		
BH (60°-80°)	259.6	6.4	B1/500		G1/500
BVH (80°-90°)	59.6	1.5			G1/100
UL (90°-100°)	44.1	1.1		U2/50	
UH (100°-180°)	30.1	0.7		U2/50	

BUG Rating: B1-U2-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	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°	5.0	4.6	4.6	5.0	6.0	5.5	4.1	3.2	2.7	2.7	2.7
5°	99.4	96.2	93.9	66.4	14.7	8.7	5.5	4.1	3.2	3.2	2.7
7.5°	118.6	116.8	115.8	112.6	109.0	101.6	18.3	6.0	3.7	3.7	3.2
10°	134.2	132.8	130.9	129.1	124.1	119.0	109.0	15.1	6.0	6.0	5.0
12.5°	273.3	269.2	265.6	188.6	140.1	134.6	125.0	85.6	65.0	62.7	75.5
15°	280.7	280.7	280.7	283.0	278.8	150.2	204.7	256.4	169.4	163.9	169.4
17.5°	299.0	296.2	291.7	293.0	298.5	331.5	305.4	285.2	225.7	200.5	195.0
20°	447.3	445.0	446.4	413.9	318.2	417.6	414.8	321.4	366.7	371.8	362.2
22.5°	477.5	477.1	475.7	473.9	543.9	443.2	477.1	505.5	512.3	502.3	416.7
25°	677.6	672.6	611.7	515.6	582.9	533.4	636.4	560.4	570.5	552.6	527.9
27.5°	774.2	763.7	753.2	724.3	625.9	712.9	677.2	739.0	828.3	780.7	671.7
30°	1021.5	1027.4	857.1	847.5	774.2	755.9	829.2	868.6	869.5	834.7	754.1
32.5°	1257.7	1241.7	1201.9	1030.6	922.1	846.6	961.5	924.9	1137.8	1170.8	1022.4
35°	1489.4	1458.3	1341.5	1225.2	1076.0	1043.5	1030.2	1157.9	1238.5	1285.7	1106.2
37.5°	1819.5	1797.1	1685.4	1381.4	1240.3	1123.1	1207.8	1232.6	1360.8	1380.9	1220.7
40°	1940.9	1925.8	1832.8	1594.3	1369.0	1253.6	1287.5	1322.3	1482.1	1454.2	1306.7
42.5°	2027.9	2022.4	1948.2	1705.5	1536.6	1383.2	1379.5	1397.4	1606.6	1555.4	1392.8
45°	2094.7	2086.9	2043.0	1777.0	1615.8	1463.3	1478.9	1489.9	1716.1	1671.2	1491.3
47.5°	2081.9	2085.1	2091.1	1865.8	1663.0	1541.6	1580.5	1569.6	1805.3	1815.9	1601.6
50°	1983.5	1989.9	2033.8	1901.5	1690.0	1605.7	1668.4	1658.4	1929.9	1973.8	1728.9
52.5°	1690.9	1701.4	1864.4	1846.1	1713.8	1656.1	1758.6	1760.9	2075.5	2168.9	1891.4
55°	1238.1	1277.9	1476.1	1662.5	1687.7	1672.1	1819.1	1891.0	2243.1	2377.7	2036.6
57.5°	995.8	987.6	1124.5	1396.0	1558.6	1652.4	1882.7	2006.8	2396.0	2545.3	2181.7
60°	772.9	775.6	876.8	1071.4	1332.4	1603.9	1947.7	2111.2	2584.2	2713.7	2359.4
62.5°	575.5	581.0	654.3	770.6	1074.1	1468.4	1967.9	2241.7	2845.6	2968.3	2574.1
65°	418.0	427.2	467.0	538.4	776.1	1265.1	1906.5	2339.2	3135.4	3275.1	2803.5
67.5°	314.1	319.1	342.5	386.0	554.5	1004.1	1755.0	2333.3	3281.0	3500.8	2901.9
70°	255.5	257.8	266.5	282.0	364.0	728.0	1489.0	2183.1	3312.2	3548.9	2856.1
72.5°	217.0	216.1	216.6	218.9	251.4	497.7	1150.1	1902.0	3193.1	3402.8	2649.6
75°	185.4	184.1	184.1	181.8	194.1	349.3	792.1	1535.2	2876.7	3006.8	2232.1
77.5°	158.0	155.7	155.2	150.6	156.1	260.1	524.7	1143.3	2276.0	2278.3	1582.4
80°	134.6	130.5	128.7	125.5	131.9	198.3	342.5	745.9	1392.4	1369.9	878.2
82.5°	99.4	99.4	102.1	103.0	113.5	147.0	241.8	443.7	760.1	719.3	509.1
85°	57.2	62.3	73.7	75.1	87.0	97.5	181.8	262.8	425.4	410.2	261.0
87.5°	21.1	20.1	30.7	32.5	36.6	36.6	98.9	144.2	223.0	232.1	205.6
90°	17.4	17.4	11.9	11.0	14.2	23.8	66.8	101.2	167.6	179.9	194.1
92.5°	18.3	18.3	11.9	10.5	13.3	21.1	56.3	95.7	175.8	192.8	200.5
95°	17.4	17.9	10.5	9.6	12.4	17.9	42.1	82.0	169.0	185.0	196.0
97.5°	15.1	15.6	8.7	8.2	11.0	12.8	22.9	40.7	84.2	87.5	90.7
100°	12.4	12.4	6.4	6.9	8.7	8.7	11.9	21.5	20.6	16.9	14.7
102.5°	10.5	11.4	6.0	5.5	6.4	5.5	5.5	8.2	12.4	10.5	14.2
105°	8.7	9.6	5.0	4.6	5.0	4.6	3.7	6.0	9.2	10.5	15.1
107.5°	6.0	6.4	3.7	4.1	4.1	4.1	2.7	4.6	8.7	10.1	15.6
110°	4.1	4.1	2.7	3.7	3.7	4.1	2.7	4.6	6.9	7.8	12.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.7	2.7	2.3	2.7	3.2	3.2	2.7	4.1	6.0	6.4	8.7
115°	2.3	2.3	1.8	2.3	2.7	2.7	2.3	3.7	6.0	6.9	9.2
117.5°	2.7	2.3	1.8	2.3	2.7	2.3	2.3	3.2	6.0	6.9	9.2
120°	2.7	2.7	2.3	2.3	2.3	2.3	2.3	3.2	6.0	6.9	9.2
122.5°	3.2	2.7	2.3	2.3	2.3	2.3	2.3	2.7	5.5	6.4	8.7
125°	3.2	3.2	2.3	2.3	2.7	2.3	2.3	2.7	5.5	6.0	8.2
127.5°	3.7	3.2	2.7	2.3	2.7	2.3	2.3	2.7	5.0	5.5	7.3
130°	3.7	3.7	2.7	2.3	2.7	2.3	2.3	2.3	4.1	4.6	6.4
132.5°	3.7	3.7	3.2	2.7	3.2	2.7	2.3	2.3	3.2	3.7	5.0
135°	4.1	3.7	3.7	3.2	3.7	3.2	2.3	2.3	2.3	2.7	3.7
137.5°	4.1	4.1	4.1	3.7	4.1	3.2	2.3	2.3	2.3	2.3	2.7
140°	5.0	5.0	4.6	4.1	4.6	3.7	2.7	2.3	2.3	2.3	2.7
142.5°	6.0	6.0	5.5	5.0	4.6	3.7	3.2	2.7	2.7	2.7	2.7
145°	6.9	6.4	6.4	5.5	4.6	3.7	3.2	3.2	3.2	3.2	3.2
147.5°	6.9	6.9	6.4	5.0	4.1	2.7	2.7	3.7	3.7	3.7	3.7
150°	6.4	6.4	5.5	4.6	3.2	2.3	2.3	3.2	3.7	3.7	3.7
152.5°	5.0	4.6	4.1	2.7	2.3	1.4	1.8	2.3	2.7	2.7	3.2
155°	3.2	2.7	2.3	1.8	1.8	1.4	1.4	1.8	1.8	1.8	2.3
157.5°	1.4	1.4	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.5	0.5	0.5	0.5	1.4	1.4	1.4	0.9	0.9	0.9	0.9
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°	2.7	2.7	2.7	2.7	2.7	2.3	2.7	3.2	3.7	3.7	3.7
5°	2.7	2.7	2.7	3.2	3.2	2.7	3.2	4.1	4.6	4.6	4.6
7.5°	3.2	2.7	3.2	3.7	3.7	3.7	16.0	46.2	51.3	52.2	53.1
10°	4.6	4.6	4.6	5.0	5.5	48.1	56.8	59.5	61.4	62.7	63.2
12.5°	69.6	60.9	38.0	10.1	48.5	59.5	62.7	67.3	69.6	72.3	71.4
15°	156.1	138.3	103.9	88.8	87.0	66.4	69.6	115.8	128.7	130.9	130.5
17.5°	176.7	152.0	115.8	123.6	128.7	99.8	117.2	129.6	131.9	134.2	133.7
20°	328.7	261.9	157.0	136.0	134.6	168.5	125.0	129.1	133.7	157.5	160.3
22.5°	364.9	301.3	205.6	199.2	162.5	171.2	163.0	165.3	179.5	179.5	178.6
25°	456.9	364.5	232.1	203.3	206.5	170.3	191.4	165.3	168.0	168.0	168.5
27.5°	594.3	468.4	308.1	226.6	204.2	206.0	181.8	167.6	191.8	194.6	196.0
30°	636.0	486.2	304.9	253.2	213.4	200.1	169.9	187.7	180.9	180.9	179.5
32.5°	888.7	663.4	379.6	247.7	218.9	185.9	188.2	176.7	173.5	187.7	187.7
35°	938.6	683.1	366.3	278.8	210.2	193.7	179.0	181.8	175.8	174.9	173.5
37.5°	995.8	696.9	336.5	261.9	222.1	185.9	185.0	178.1	170.3	181.3	183.1
40°	1050.3	710.1	312.7	241.8	205.1	185.0	181.3	177.7	161.2	161.2	160.7
42.5°	1111.7	718.8	291.2	225.7	188.6	185.4	175.4	163.9	152.9	156.1	155.2
45°	1175.3	724.3	269.2	207.9	174.0	191.8	175.8	170.8	162.1	163.5	162.1
47.5°	1253.6	733.5	250.0	190.5	164.8	175.8	166.2	163.9	169.0	164.4	167.1
50°	1337.0	738.5	232.1	175.4	155.7	170.8	172.2	165.3	169.0	161.2	160.7
52.5°	1436.8	743.1	212.9	165.3	154.3	169.9	180.4	173.1	166.7	156.6	155.7
55°	1524.7	728.5	196.4	158.9	163.5	168.0	187.3	178.6	165.3	153.8	154.3
57.5°	1620.4	709.7	183.1	156.1	161.6	164.8	196.9	186.3	171.2	171.7	172.2
60°	1719.3	691.8	174.9	155.7	159.3	166.2	198.3	196.9	179.0	183.1	186.3
62.5°	1837.4	677.6	173.5	158.9	167.6	173.5	199.6	213.8	198.3	200.1	201.0
65°	1929.9	636.4	172.2	160.7	170.8	174.9	200.1	225.7	218.9	229.4	228.5
67.5°	1901.5	560.4	169.9	162.5	173.1	182.2	199.6	234.4	233.5	257.8	255.5
70°	1785.7	476.2	162.5	160.3	174.0	185.9	200.1	236.7	240.8	275.2	272.9
72.5°	1590.6	384.1	149.3	153.8	174.4	190.5	206.0	237.2	241.8	290.3	283.4
75°	1331.0	310.4	129.6	139.2	179.9	193.2	207.4	232.6	232.6	278.4	269.7
77.5°	957.8	239.0	111.7	126.4	178.1	191.4	203.3	222.1	218.9	240.8	232.6
80°	558.1	176.3	95.2	124.1	167.1	187.7	191.8	196.0	180.9	185.9	180.9
82.5°	335.2	130.5	82.4	111.3	147.0	169.0	172.2	165.3	145.1	144.7	137.8
85°	201.0	89.3	60.4	86.1	115.8	141.0	144.7	125.5	106.7	117.7	105.3
87.5°	148.3	56.3	41.7	53.6	70.5	65.9	86.1	81.0	69.1	66.4	65.5
90°	133.7	43.0	34.3	43.5	47.6	40.7	44.0	44.0	35.7	35.3	33.4
92.5°	132.3	40.3	36.6	42.6	38.5	32.5	35.7	35.3	28.4	27.0	25.6
95°	123.6	36.2	36.6	38.5	33.9	26.6	28.8	27.0	20.1	18.8	17.4
97.5°	58.1	25.2	34.8	33.4	27.9	20.6	23.8	20.6	14.2	12.4	12.4
100°	13.7	21.5	29.8	30.2	22.4	15.6	16.5	13.3	9.2	7.8	7.8
102.5°	13.7	9.6	18.3	23.8	13.7	6.4	9.2	8.7	6.9	6.9	7.3
105°	13.7	9.2	9.2	15.6	8.2	4.1	4.1	5.5	6.0	7.8	8.7
107.5°	14.2	9.6	7.3	7.3	6.0	4.1	3.7	4.1	6.0	9.2	9.6
110°	11.9	8.7	6.9	6.4	6.0	4.1	3.2	4.1	6.0	10.1	11.0



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.7	7.8	6.0	6.0	5.0	4.1	3.2	3.7	6.4	11.0	11.9
115°	8.7	7.3	5.5	5.0	4.1	3.7	3.2	3.7	6.9	11.9	12.8
117.5°	9.2	7.3	5.0	4.6	3.7	2.7	2.7	3.7	6.9	12.4	13.3
120°	9.2	7.3	5.0	4.6	3.7	2.7	2.7	4.1	7.3	11.9	12.8
122.5°	8.7	7.3	5.0	4.6	3.7	2.3	2.7	3.7	6.9	11.4	12.4
125°	7.8	6.9	5.0	4.1	3.7	2.3	2.7	3.7	6.9	11.0	11.4
127.5°	7.3	6.4	4.6	4.1	3.2	2.3	2.7	3.7	6.4	10.1	10.5
130°	6.4	6.0	4.1	3.7	3.2	2.3	2.7	3.7	6.4	9.2	9.6
132.5°	5.0	4.6	3.7	3.2	3.2	2.3	2.7	3.2	5.0	7.8	8.2
135°	3.7	3.7	3.2	3.2	3.2	2.3	2.7	2.7	4.1	6.0	6.4
137.5°	2.7	2.7	2.7	3.2	2.7	2.3	2.3	2.7	3.7	4.6	5.0
140°	2.7	2.7	2.7	3.2	2.7	2.3	2.3	2.7	3.2	3.7	4.1
142.5°	2.7	2.7	2.7	3.2	2.7	1.8	2.3	2.7	3.2	3.7	3.7
145°	3.2	3.2	3.2	3.2	2.7	1.8	1.8	2.7	3.2	3.7	3.7
147.5°	3.7	3.7	3.2	3.2	2.7	1.4	1.4	2.7	3.2	3.7	3.7
150°	3.7	3.7	3.2	3.2	2.3	1.4	1.4	2.3	3.2	3.2	3.2
152.5°	2.7	2.7	2.7	2.7	2.3	0.9	0.9	1.8	2.7	2.7	2.7
155°	2.3	2.3	2.3	2.3	1.8	0.9	0.5	1.4	2.3	2.3	2.3
157.5°	1.4	1.8	1.8	2.3	1.8	0.9	0.5	0.9	1.8	1.8	1.8
160°	0.9	1.4	1.4	1.8	1.8	0.9	0.5	0.9	1.4	1.4	1.4
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)