

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: P415080

Luminaire Tested: **LXF.LXT-PA1-40-740-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4796 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - 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

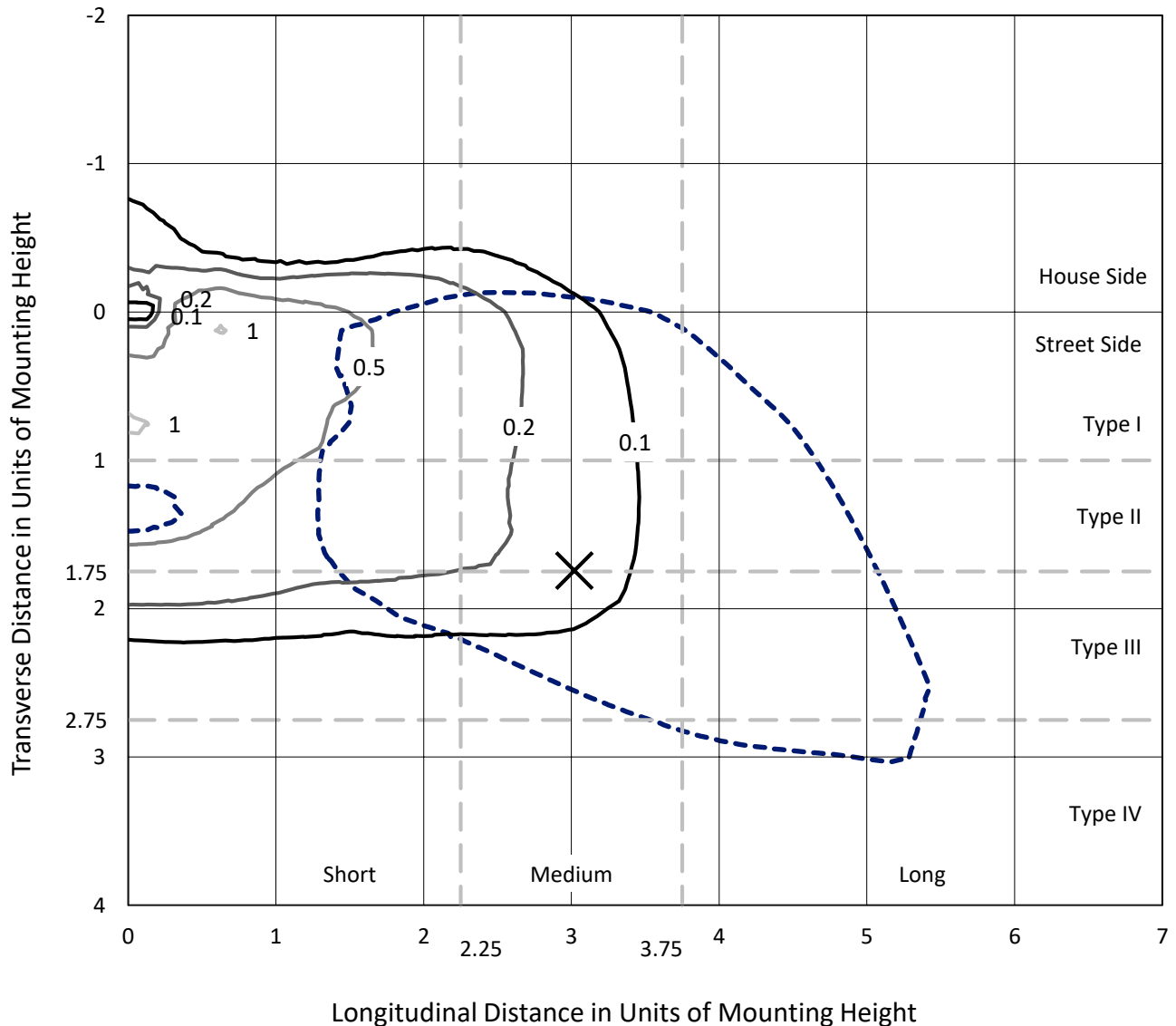


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Iso-Footcandle Lines of Horizontal Illumination

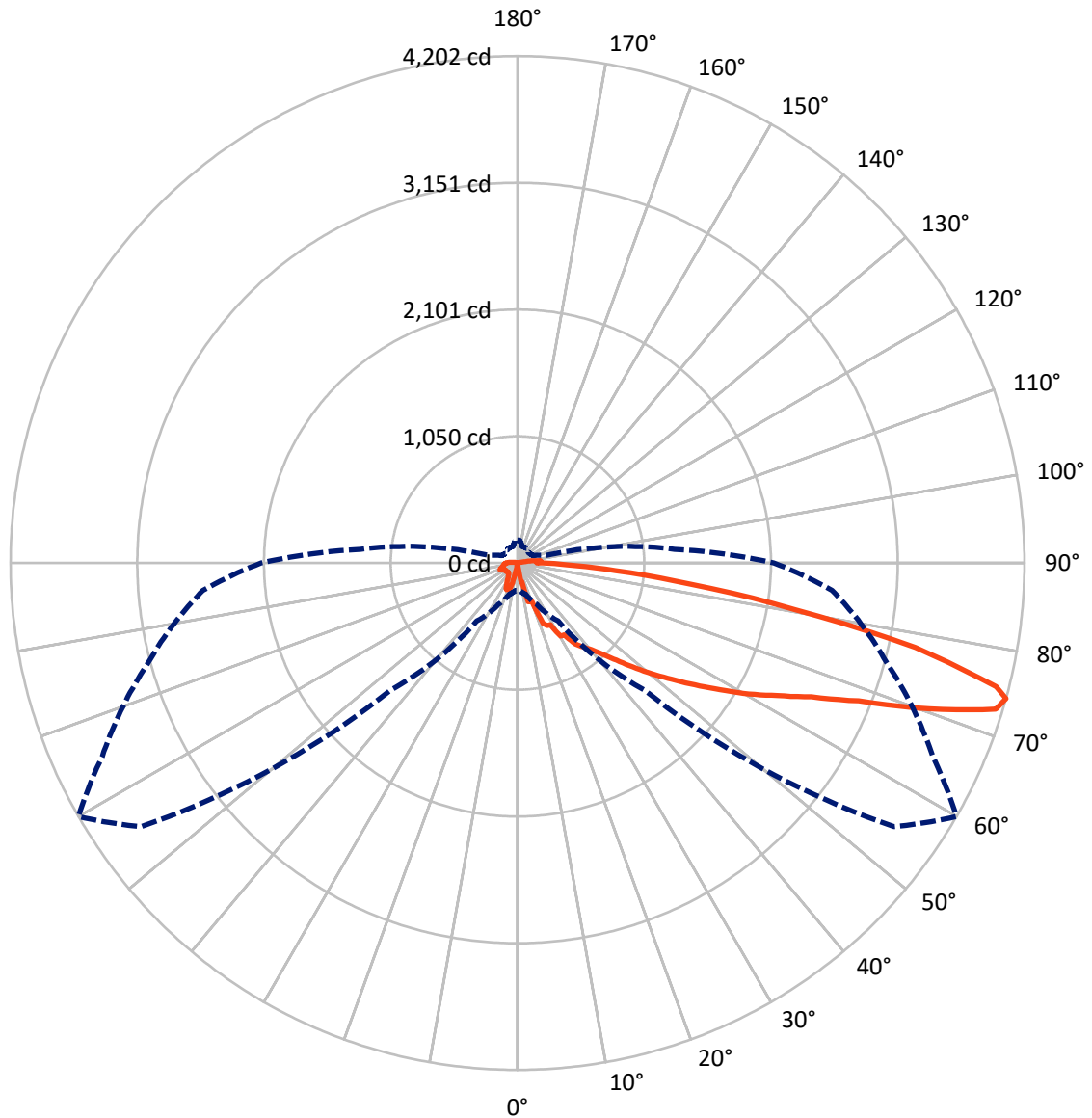
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	736.0	46.6	782.6
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	3963.4	50.0	4013.3
	% Fixture	82.6	1.0	83.7
Total	Lumens	4699.4	96.5	4796.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	61.3	1.3
20°-30°	185.5	3.9
30°-40°	371.2	7.7
40°-50°	636.9	13.3
50°-60°	970.8	20.2
60°-70°	1196.2	24.9
70°-80°	1000.0	20.9
80°-90°	272.4	5.7
90°-100°	70.4	1.5
100°-110°	12.6	0.3
110°-120°	4.7	0.1
120°-130°	3.5	0.1
130°-140°	2.5	0.1
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4699.4	98.0
0°-180°	4796.0	100.0

Coefficient of Utilization



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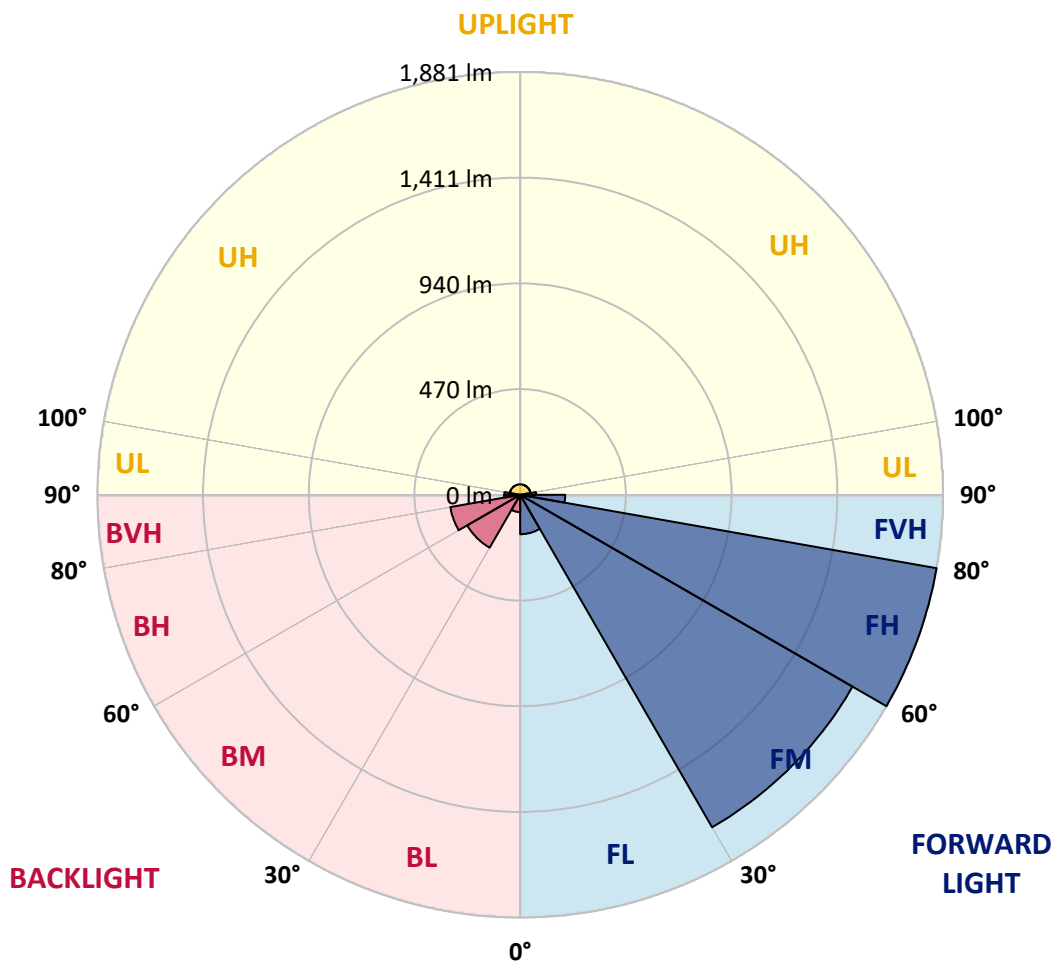
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.1	3.7			
FM (30°-60°)	1707.3	35.6			
FH (60°-80°)	1880.7	39.2			G2/5000
FVH (80°-90°)	200.2	4.2			G2/225
BL (0°-30°)	76.9	1.6	B0/110		
BM (30°-60°)	271.5	5.7	B1/1000		
BH (60°-80°)	315.4	6.6	B1/500		G1/500
BVH (80°-90°)	72.2	1.5			G1/100
UL (90°-100°)	70.4	1.5		U3/500	
UH (100°-180°)	46.6	1.0		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	6.0	5.5	4.9	5.5	6.0	5.5	4.4	3.8	3.3	3.3	3.3
5°	159.9	157.7	156.6	122.1	29.0	18.1	7.1	4.9	4.4	3.3	3.3
7.5°	162.1	159.9	160.4	159.9	157.1	157.1	50.9	18.6	10.4	3.8	3.8
10°	170.8	167.5	163.1	162.6	161.5	159.9	157.1	153.8	35.0	6.0	5.5
12.5°	315.3	313.7	311.5	240.3	174.1	162.1	160.4	156.6	120.4	23.0	106.2
15°	313.2	312.6	308.8	310.4	309.9	176.3	199.8	333.4	320.3	232.1	267.7
17.5°	328.5	326.8	315.3	308.2	308.8	352.0	326.8	329.0	330.1	293.4	286.9
20°	445.6	442.9	441.8	429.2	313.7	413.3	421.6	341.6	349.8	455.5	509.2
22.5°	451.1	447.3	442.9	439.6	494.9	411.7	445.6	544.2	519.6	602.8	568.3
25°	609.3	598.9	555.7	450.0	494.4	474.1	576.5	573.8	543.1	629.1	607.7
27.5°	659.7	652.6	620.8	596.8	504.2	567.7	573.2	579.2	683.3	867.8	808.6
30°	883.6	828.3	685.4	670.7	601.7	572.7	655.3	702.4	768.7	871.6	855.2
32.5°	1011.7	984.9	915.9	810.3	704.6	626.3	710.6	710.6	772.5	1053.4	1081.3
35°	1219.2	1132.7	998.1	926.3	803.7	749.5	732.5	825.1	913.2	1106.5	1104.8
37.5°	1294.2	1286.0	1235.7	1015.6	945.0	815.2	854.1	882.5	957.0	1183.1	1179.8
40°	1335.3	1353.4	1357.2	1208.3	1049.5	941.7	928.0	943.9	1015.6	1291.0	1249.4
42.5°	1474.4	1480.9	1501.2	1331.5	1206.1	1079.6	1041.3	1034.7	1084.6	1416.3	1341.3
45°	1698.8	1702.1	1687.3	1473.3	1333.7	1216.5	1173.8	1148.6	1192.4	1540.6	1457.9
47.5°	1956.2	1963.8	1892.6	1633.7	1449.7	1348.4	1325.5	1286.6	1314.5	1652.8	1603.0
50°	2160.9	2158.7	2031.7	1763.4	1566.9	1483.7	1476.6	1440.4	1443.7	1789.2	1759.6
52.5°	2214.0	2210.7	2102.3	1859.2	1673.6	1624.4	1656.7	1600.8	1571.8	1930.4	1922.2
55°	2134.1	2140.1	2089.2	1899.2	1741.5	1748.1	1831.9	1783.7	1744.3	2064.0	2077.1
57.5°	2018.6	2011.4	2019.1	1914.5	1794.6	1869.1	2040.5	1980.2	1942.5	2215.1	2229.9
60°	1804.5	1794.6	1893.7	1898.1	1843.9	2006.0	2262.2	2203.6	2150.5	2374.4	2358.5
62.5°	1478.7	1466.2	1645.2	1797.4	1900.3	2166.4	2481.2	2417.7	2366.2	2543.6	2513.5
65°	984.4	1044.0	1253.7	1577.3	1879.5	2397.4	2770.8	2675.5	2581.9	2717.1	2711.7
67.5°	571.0	613.7	767.6	1121.8	1708.1	2595.1	3230.1	3049.5	2888.0	2913.7	2901.1
70°	354.2	367.4	434.2	647.1	1203.9	2529.9	3739.3	3622.7	3280.5	3132.7	2930.7
72.5°	274.8	283.6	321.9	422.7	732.0	1956.7	3981.3	4145.0	3676.9	3190.2	2785.0
74°	225.0	230.5	270.5	378.3	587.4	1491.9	3809.4	4201.9	3798.4	3162.3	2617.5
75°	177.9	183.4	228.3	363.0	558.4	1190.2	3554.8	4096.3	3802.3	3119.0	2415.5
77.5°	108.9	112.8	123.2	250.7	507.5	680.0	2623.0	3371.9	3369.7	2590.1	1732.2
80°	86.5	87.6	92.0	131.9	413.3	616.5	1661.1	2327.3	2310.4	1554.8	887.5
82.5°	59.7	64.1	72.8	85.4	220.1	603.9	1047.3	1445.9	1247.2	591.8	371.2
85°	40.0	43.3	55.3	63.5	117.7	642.7	751.7	813.6	613.7	292.9	244.7
87.5°	16.4	17.0	25.2	30.7	47.6	308.2	505.9	402.9	282.5	185.6	199.3
90°	8.8	8.8	6.6	7.1	17.5	66.2	165.3	160.4	133.0	152.7	187.2
92.5°	9.9	9.9	6.6	7.1	17.0	52.0	179.0	182.9	152.7	162.6	200.4
95°	10.9	10.9	6.6	6.6	16.4	35.6	171.9	193.3	157.1	170.8	202.0
97.5°	12.0	12.6	6.0	6.0	13.1	26.8	107.9	131.9	102.4	88.7	96.9
100°	12.6	12.6	5.5	5.5	8.8	19.2	49.8	63.5	49.3	23.0	15.9
102.5°	12.6	13.1	5.5	4.9	6.0	12.0	15.9	23.0	18.1	13.7	14.8
105°	12.0	13.1	5.5	4.9	4.9	6.6	8.2	9.3	9.9	9.9	15.3
107.5°	9.3	10.4	4.4	4.9	4.4	4.4	3.3	3.8	4.9	8.8	15.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.6	6.6	3.3	4.4	3.8	4.4	2.7	3.3	4.4	6.6	12.6
112.5°	3.3	2.7	2.2	3.3	3.3	3.8	2.7	2.7	3.8	5.5	8.8
115°	2.2	2.7	1.6	2.2	2.7	2.7	2.2	2.7	3.3	5.5	9.3
117.5°	2.2	2.2	1.6	2.2	2.7	2.2	2.2	2.7	3.3	5.5	9.3
120°	2.7	2.2	1.6	2.2	2.2	1.6	2.2	2.7	2.7	5.5	9.3
122.5°	2.7	2.7	2.2	2.2	2.2	1.6	2.2	2.2	2.7	5.5	8.8
125°	3.3	2.7	2.2	2.2	2.2	1.6	2.2	2.2	2.7	4.9	8.2
127.5°	3.3	3.3	2.2	2.2	2.7	1.6	2.2	2.2	2.7	4.4	7.7
130°	3.3	3.3	2.7	2.2	2.7	2.2	2.2	2.2	2.7	3.8	6.6
132.5°	3.3	3.3	2.7	2.7	2.7	2.2	2.2	2.2	2.2	3.3	5.5
135°	3.8	3.3	2.7	2.7	3.3	2.2	2.2	2.2	2.2	2.7	3.8
137.5°	3.8	3.8	3.3	3.3	3.8	2.7	2.2	2.7	2.7	2.7	3.3
140°	4.4	4.4	4.4	3.8	3.8	2.7	2.7	2.7	2.7	3.3	3.3
142.5°	5.5	4.9	4.9	4.4	3.8	2.7	2.7	2.7	3.3	3.3	3.3
145°	6.0	6.0	5.5	4.9	3.8	2.7	2.7	3.3	3.3	3.8	3.8
147.5°	6.0	6.0	5.5	4.4	3.3	2.2	2.7	3.3	3.3	3.8	4.4
150°	6.0	5.5	4.9	3.8	2.7	1.6	2.2	2.7	3.3	3.8	4.4
152.5°	4.4	4.4	3.8	2.7	2.2	1.1	1.6	2.2	2.7	3.3	3.8
155°	2.7	2.7	2.2	1.6	1.6	1.1	1.6	2.2	2.2	2.7	3.3
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	2.2	2.2
160°	0.5	0.5	1.1	0.5	1.1	1.1	1.1	1.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	3.3	2.7	2.7	1.6	2.2	2.2	2.7	3.3	3.8
5°	3.3	3.8	3.3	2.7	2.7	2.2	2.7	2.7	2.7	3.8	3.8
7.5°	3.8	3.8	3.3	3.3	2.7	2.2	3.8	118.3	135.8	140.2	141.3
10°	4.9	4.9	4.4	3.8	3.3	127.6	140.7	140.7	139.6	140.7	140.7
12.5°	108.9	117.2	18.6	9.3	105.1	132.5	129.2	127.0	124.8	122.6	121.5
15°	265.0	256.8	235.4	176.8	163.1	121.5	111.7	154.9	165.3	168.1	167.5
17.5°	279.8	266.6	234.3	245.8	215.7	155.5	140.2	139.1	133.0	133.0	133.6
20°	526.1	496.0	319.7	239.8	187.2	188.3	119.9	106.8	111.7	118.8	123.2
22.5°	540.4	500.9	373.9	312.1	168.6	152.2	117.2	103.5	139.6	153.8	154.9
25°	576.5	513.5	378.9	262.8	190.5	124.8	116.6	107.9	128.1	141.3	140.2
27.5°	780.7	692.6	481.2	242.0	150.6	117.7	110.0	103.5	127.6	148.9	148.4
30°	779.6	682.7	444.6	222.8	124.3	109.5	100.2	112.8	118.8	127.0	127.6
32.5°	1012.3	867.8	486.2	185.0	110.0	94.7	99.1	102.9	107.9	128.7	133.0
35°	1017.2	848.6	422.1	169.7	101.3	90.3	93.1	101.8	112.2	125.4	126.5
37.5°	1036.9	838.7	350.4	140.2	104.0	91.4	96.9	106.8	104.0	122.1	124.3
40°	1073.1	841.5	294.5	125.4	102.4	91.4	101.3	102.9	103.5	112.8	113.9
42.5°	1128.9	856.3	247.5	118.8	100.7	99.1	98.0	98.5	94.7	113.3	115.5
45°	1208.3	886.9	211.3	116.6	100.7	115.5	102.4	98.5	90.3	130.3	139.6
47.5°	1325.5	947.1	190.0	117.2	101.3	110.6	101.3	95.8	94.2	152.2	158.8
50°	1457.9	1016.1	175.7	119.4	101.3	108.9	99.6	98.5	104.6	154.4	156.0
52.5°	1600.3	1108.1	170.8	121.5	108.9	110.6	113.3	112.8	100.7	123.7	123.7
55°	1744.8	1203.4	172.5	124.3	115.0	113.3	121.0	106.8	86.5	92.0	90.9
57.5°	1881.1	1314.5	184.0	122.6	111.1	112.2	122.1	100.2	86.5	92.0	94.2
60°	2029.0	1434.9	215.7	118.3	109.5	108.9	120.4	105.7	86.5	105.7	106.2
62.5°	2209.1	1600.8	284.7	122.6	118.3	112.2	121.0	116.6	99.1	101.3	103.5
65°	2422.1	1772.2	350.4	139.6	124.8	112.8	119.4	122.6	112.2	108.4	107.9
67.5°	2578.1	1814.4	353.1	162.1	133.6	118.8	120.4	133.6	122.6	124.8	123.7
70°	2538.7	1699.4	306.0	171.4	139.1	123.7	123.7	138.5	129.2	148.4	148.9
72.5°	2346.0	1475.5	258.4	158.8	131.9	125.4	137.4	143.4	137.4	178.5	176.3
74°	2124.8	1306.8	237.6	144.5	129.2	124.8	141.3	143.4	141.8	190.5	188.9
75°	1955.1	1174.3	226.1	136.3	127.6	123.2	142.3	144.0	143.4	192.2	191.6
77.5°	1351.2	793.3	197.6	121.5	124.8	123.2	141.8	147.3	151.1	191.1	189.4
80°	693.1	434.2	164.8	115.0	123.7	126.5	140.2	142.3	148.4	180.7	179.0
82.5°	347.7	250.2	121.0	105.7	125.4	137.4	140.7	138.0	139.6	166.4	163.7
85°	223.9	173.0	80.5	88.7	127.6	148.9	140.2	128.7	130.8	145.1	144.0
87.5°	180.1	128.1	49.3	69.0	135.8	136.3	128.1	113.9	111.1	113.9	112.2
90°	166.4	118.8	41.6	65.2	131.4	113.9	104.6	93.1	83.2	83.8	80.5
92.5°	179.0	124.3	44.3	64.6	104.6	79.9	76.6	70.6	58.6	52.0	48.7
95°	176.3	119.4	44.9	54.7	76.6	45.4	54.2	49.8	36.1	27.4	25.7
97.5°	84.9	60.2	40.0	42.7	44.9	34.5	46.0	42.2	26.3	17.0	15.9
100°	15.9	22.4	35.6	40.5	35.6	26.8	36.1	32.3	14.2	8.8	8.2
102.5°	15.3	12.6	26.8	36.7	22.4	15.3	19.7	18.1	9.3	6.6	6.6
105°	15.9	12.6	12.6	25.2	13.7	7.1	6.0	8.8	6.6	6.6	7.1
107.5°	16.4	12.6	7.7	8.2	6.6	5.5	4.4	4.4	4.9	7.1	7.7



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CATALOG NUMBER: LXF.LXT-PA1-40-740-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.1	10.9	7.1	6.6	6.0	5.5	4.4	3.8	4.9	7.7	8.2
112.5°	9.3	8.8	6.6	5.5	4.9	4.9	3.8	3.3	4.9	8.2	8.8
115°	9.3	8.8	5.5	4.9	3.8	4.4	3.8	3.3	4.9	9.3	9.9
117.5°	9.9	8.2	5.5	4.4	3.3	3.3	3.3	3.3	5.5	9.3	9.9
120°	9.9	8.2	5.5	3.8	3.3	2.7	3.3	3.3	5.5	9.3	10.4
122.5°	9.3	8.2	4.9	3.8	3.3	2.7	2.7	2.7	4.9	9.3	9.9
125°	8.8	7.7	4.9	3.8	3.3	2.2	2.7	2.7	4.9	8.8	9.9
127.5°	8.2	7.1	4.9	3.8	2.7	2.2	2.7	2.7	4.9	8.2	9.3
130°	7.1	6.6	4.4	3.3	2.7	2.2	2.7	2.7	4.9	7.7	8.8
132.5°	6.0	5.5	3.8	3.3	2.7	2.2	2.7	2.2	3.8	7.1	7.7
135°	4.4	4.4	3.8	2.7	2.7	1.6	2.2	2.2	3.3	5.5	6.0
137.5°	3.8	3.8	3.3	2.7	2.7	1.6	2.2	1.6	2.7	4.4	4.9
140°	3.8	3.8	3.3	2.7	2.2	1.6	1.6	1.6	2.2	3.8	3.8
142.5°	3.8	3.8	3.3	2.7	2.2	1.6	1.6	1.6	2.2	3.3	3.8
145°	3.8	3.8	3.8	3.3	2.2	1.6	1.6	1.6	2.2	3.3	3.3
147.5°	4.4	4.4	3.8	2.7	2.2	1.1	1.1	1.6	2.2	3.3	3.3
150°	4.4	4.4	3.8	2.7	2.2	1.1	0.5	1.1	1.6	2.7	3.3
152.5°	3.8	3.8	3.3	2.7	1.6	1.1	0.5	1.1	1.6	2.7	2.7
155°	3.3	3.3	2.7	2.2	1.6	0.5	0.0	0.5	1.1	2.2	2.2
157.5°	2.2	2.7	2.2	1.6	1.1	0.5	0.0	0.5	0.5	1.6	1.6
160°	2.2	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.5	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

(END OF REPORT)