

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: P415150

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415150
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-PA1-40-750-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 4943 lumens
Efficiency: N/A
Efficacy: 123.6 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

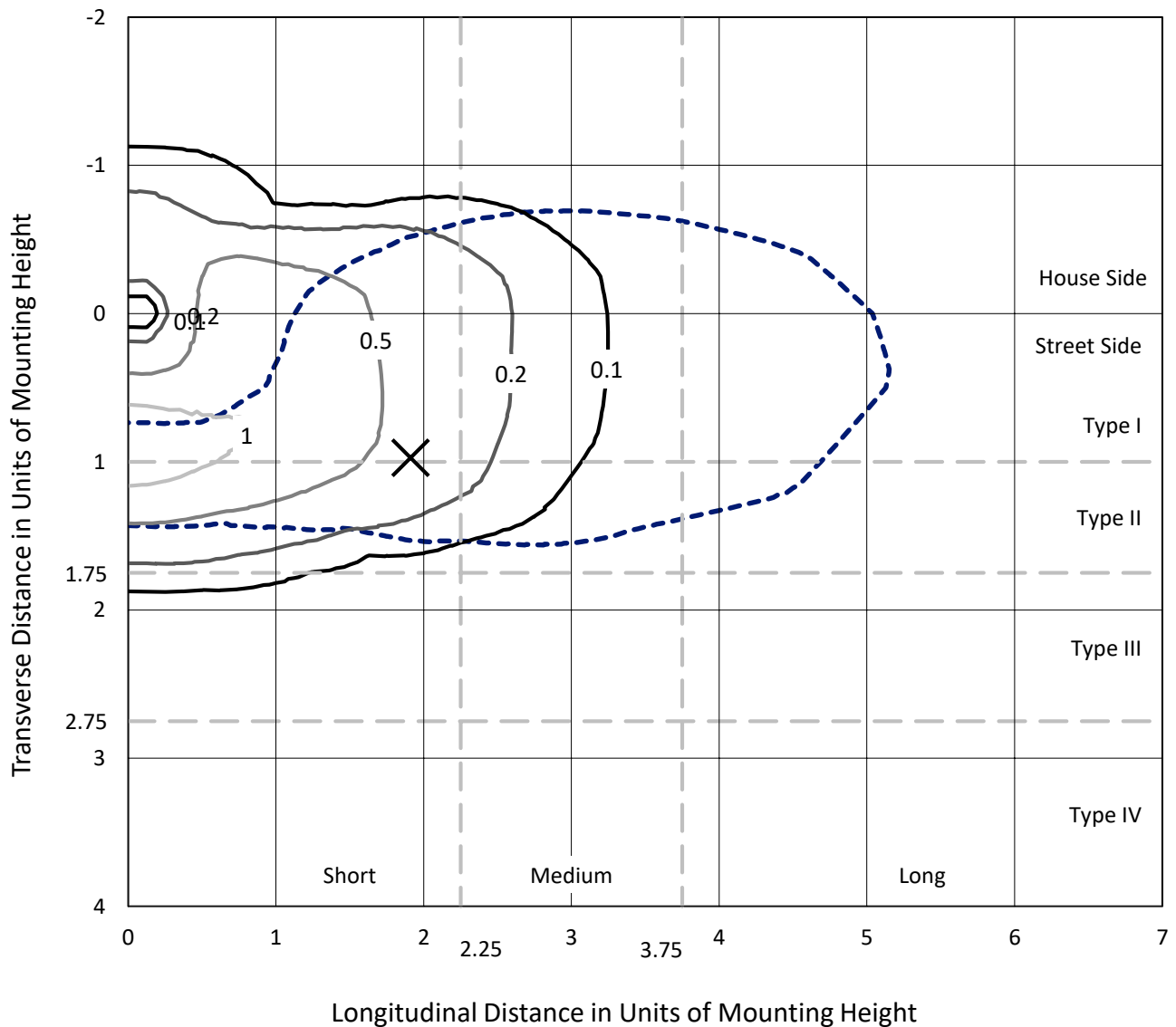
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

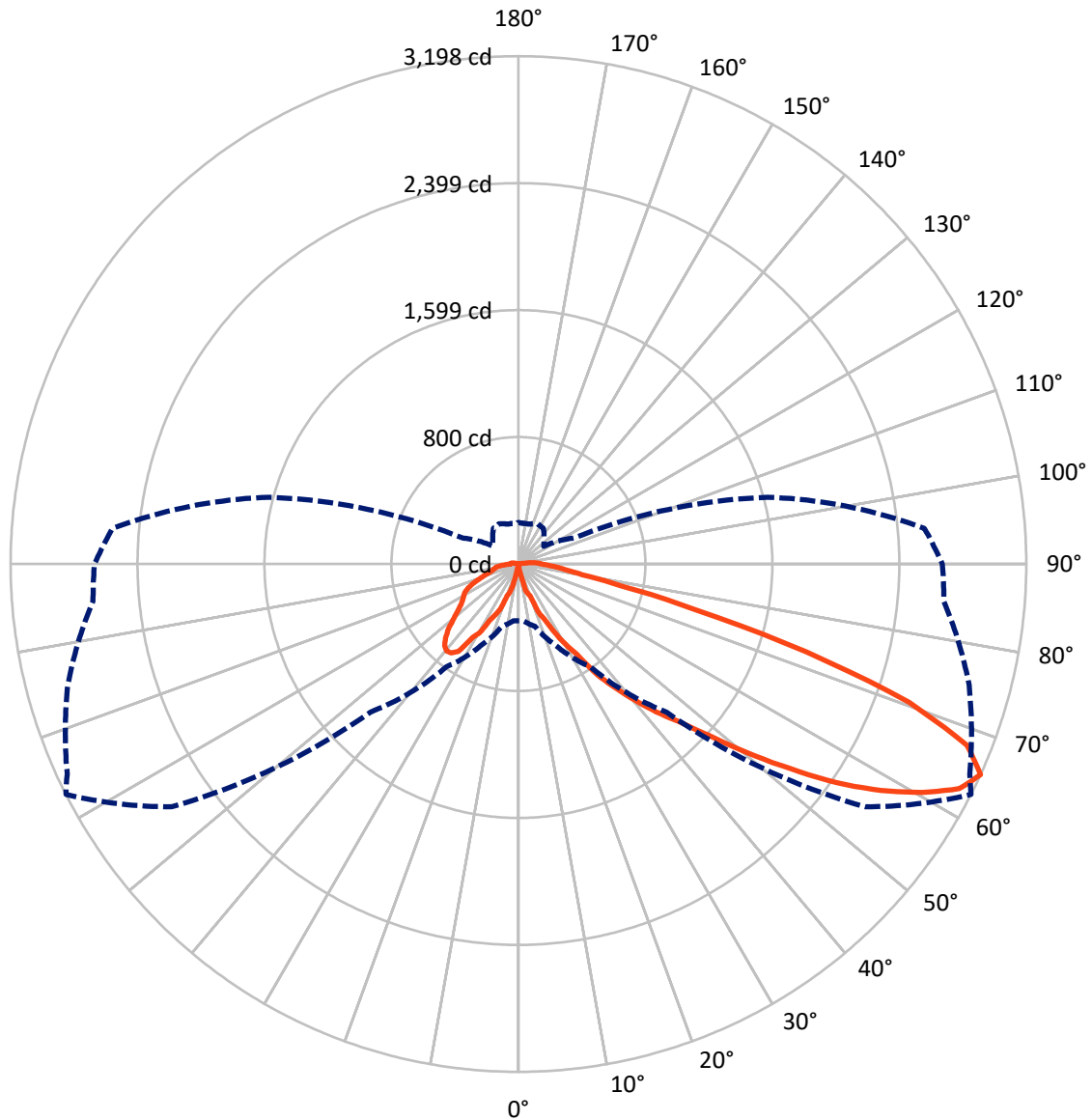


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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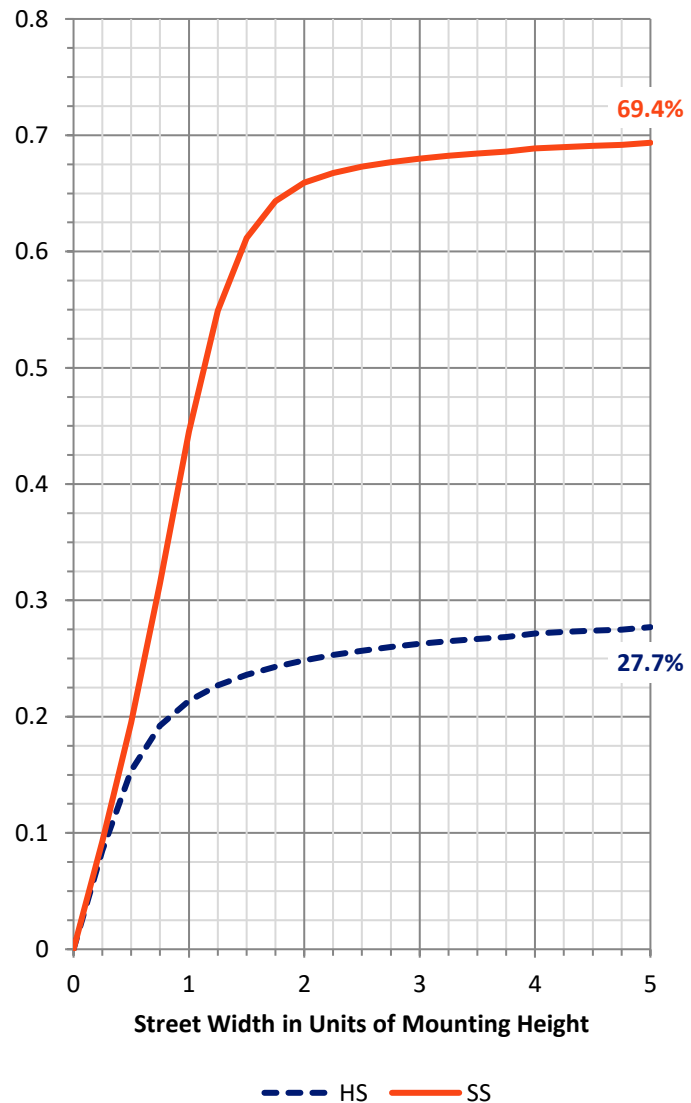
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1406.7	40.8	1447.5
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	3457.4	38.0	3495.4
	% Fixture	69.9	0.8	70.7
Total	Lumens	4864.1	78.8	4943.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	44.4	0.9
20°-30°	181.6	3.7
30°-40°	471.8	9.5
40°-50°	897.2	18.2
50°-60°	1207.8	24.4
60°-70°	1144.2	23.1
70°-80°	717.0	14.5
80°-90°	196.9	4.0
90°-100°	55.1	1.1
100°-110°	10.2	0.2
110°-120°	5.0	0.1
120°-130°	3.6	0.1
130°-140°	2.3	0.0
140°-150°	1.9	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4864.1	98.4
0°-180°	4943.0	100.0



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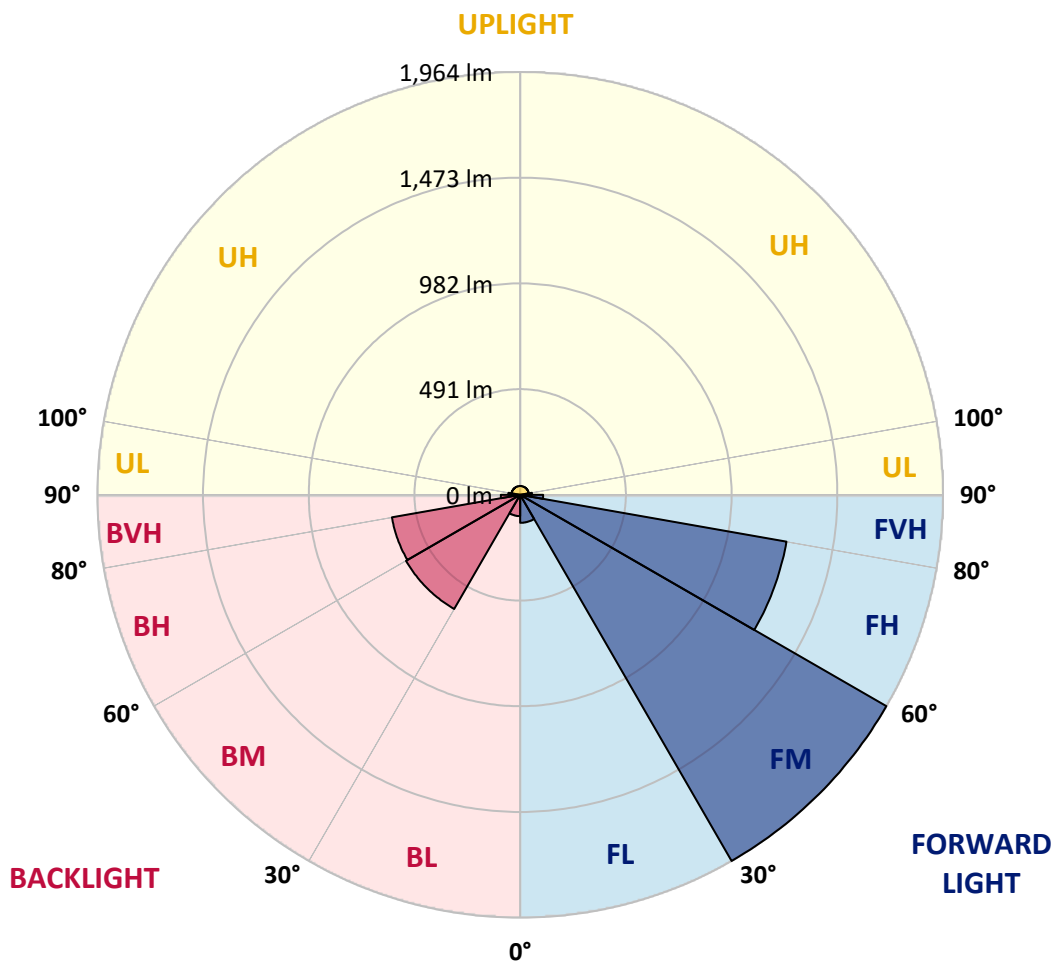
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.1	2.6			
FM (30°-60°)	1964.4	39.7			
FH (60°-80°)	1256.1	25.4			G1/1800
FVH (80°-90°)	106.8	2.2			G2/225
BL (0°-30°)	99.1	2.0	B0/110		
BM (30°-60°)	612.5	12.4	B1/1000		
BH (60°-80°)	605.1	12.2	B2/1000		G2/1000
BVH (80°-90°)	90.1	1.8			G1/100
UL (90°-100°)	55.1	1.1		U3/500	
UH (100°-180°)	40.8	0.8		U2/50	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	6.6	6.0	6.6	6.6	6.0	5.5	4.9	4.4	3.8	2.7	2.2
5°	77.2	77.7	76.6	75.0	26.8	12.0	7.1	5.5	4.9	3.3	2.7
7.5°	88.7	88.1	87.6	86.5	82.7	77.7	42.2	9.9	7.7	4.4	2.7
10°	97.4	96.4	93.6	93.1	89.2	86.5	79.9	51.5	43.2	7.7	5.5
12.5°	177.4	173.5	170.3	140.7	98.5	93.1	89.2	77.7	76.1	48.7	72.8
15°	185.6	186.1	183.9	180.7	173.0	116.1	144.5	175.2	174.6	151.1	148.9
17.5°	210.8	209.1	200.9	192.7	190.0	206.4	204.7	195.4	195.4	173.0	163.7
20°	325.7	323.0	318.1	265.0	236.0	266.6	250.2	217.9	219.0	267.2	290.2
22.5°	377.2	376.1	366.2	342.7	333.9	294.0	329.6	341.1	334.5	338.3	324.1
25°	516.3	510.8	467.5	425.9	430.8	396.9	396.4	389.2	385.4	368.4	394.2
27.5°	656.9	652.6	642.7	584.1	497.6	478.5	447.8	488.9	477.9	517.3	526.1
30°	870.5	830.5	747.3	707.9	679.4	588.0	579.2	591.8	588.5	577.6	567.7
32.5°	1092.7	1076.3	1027.6	883.6	793.3	740.7	715.0	676.1	658.0	775.7	784.0
35°	1324.8	1309.5	1190.2	1106.4	951.5	866.1	851.8	857.3	833.2	890.7	877.0
37.5°	1733.2	1725.6	1605.7	1345.6	1183.6	1016.6	996.9	990.3	952.6	994.2	994.7
40°	1995.5	1982.9	1850.4	1658.8	1397.7	1258.6	1162.8	1125.0	1115.2	1117.4	1117.9
42.5°	2190.4	2170.1	2092.9	1916.6	1644.0	1480.9	1345.6	1272.8	1292.5	1254.2	1252.0
45°	2316.8	2305.9	2235.8	2088.5	1899.7	1818.6	1579.4	1415.2	1481.4	1413.0	1409.7
47.5°	2345.3	2340.4	2291.6	2217.7	2138.9	2105.0	1861.3	1610.1	1670.8	1640.7	1579.4
50°	2221.6	2226.0	2207.9	2234.7	2320.7	2359.5	2158.6	1868.5	1901.9	1830.1	1751.9
52.5°	1951.1	1950.6	2016.3	2135.1	2387.5	2542.9	2434.0	2137.3	2135.6	2005.9	1917.2
55°	1566.3	1595.8	1707.0	1891.5	2296.0	2627.2	2695.1	2432.9	2386.9	2211.2	2064.5
57.5°	1193.5	1231.8	1368.1	1535.6	2036.0	2567.6	2885.1	2689.6	2642.0	2396.2	2220.5
60°	807.5	822.3	994.2	1188.0	1619.4	2338.2	2974.3	2921.2	2868.7	2585.1	2378.1
62.5°	538.1	551.3	649.8	885.8	1161.2	1900.2	2916.8	3116.7	3047.1	2808.4	2542.9
65°	358.0	358.0	406.8	569.9	790.0	1319.4	2665.0	3198.2	3135.3	2937.6	2689.1
67.5°	263.9	268.3	284.1	367.3	538.1	789.4	2119.7	3047.7	3054.3	2952.4	2735.6
70°	239.2	242.0	255.7	277.0	384.3	469.7	1400.9	2610.8	2724.1	2840.7	2676.0
72.5°	209.1	210.2	232.1	255.1	302.7	360.2	814.6	1897.5	2135.6	2597.7	2511.7
75°	175.2	176.8	194.3	228.8	261.7	302.2	433.6	1155.1	1392.2	2230.3	2294.4
77.5°	142.3	146.2	160.4	187.2	240.3	253.5	332.9	660.2	806.4	1661.0	1939.6
80°	109.5	113.3	125.9	147.3	196.5	223.9	276.5	406.2	488.9	1032.5	1355.5
82.5°	75.0	77.7	90.3	106.2	140.7	186.7	228.8	299.5	323.5	565.0	747.8
85°	53.1	54.7	63.0	70.1	87.6	122.6	191.1	237.6	244.2	299.5	304.4
87.5°	30.1	29.6	30.7	35.6	40.0	47.6	112.8	174.1	182.3	208.6	193.8
90°	20.8	20.3	17.0	16.4	18.6	20.3	64.1	138.5	145.6	168.1	172.4
92.5°	21.9	20.8	16.4	15.3	17.5	18.6	42.7	121.0	136.3	168.1	177.4
95°	20.8	19.7	14.8	13.1	15.9	16.4	26.3	83.2	107.3	157.1	173.5
97.5°	18.1	17.0	12.0	10.9	13.1	13.1	14.8	38.3	52.6	73.4	82.7
100°	14.8	13.7	9.9	8.8	9.3	9.9	9.3	19.2	19.2	20.3	15.9
102.5°	13.1	12.6	8.2	7.1	6.6	6.6	6.0	9.3	9.9	10.9	13.7
105°	11.5	10.9	7.1	6.0	4.9	4.9	4.4	6.0	6.6	9.3	13.1
107.5°	8.2	8.2	6.0	4.9	4.4	4.4	3.3	4.9	5.5	8.2	13.7
110°	5.5	5.5	4.4	4.4	3.8	4.4	3.3	4.9	4.9	6.6	10.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	4.4	4.4	3.8	3.3	2.7	3.3	3.8	4.4	4.4	4.9	6.6
115°	4.4	3.8	3.3	2.7	2.2	2.7	2.7	3.8	3.8	4.9	6.6
117.5°	4.4	4.4	3.3	2.7	2.2	2.2	2.7	3.3	3.3	4.9	7.1
120°	4.4	4.4	3.3	2.7	2.2	1.6	2.2	3.3	3.3	4.4	6.6
122.5°	4.4	4.4	3.3	2.7	2.2	1.6	2.2	2.7	2.7	3.8	6.6
125°	4.9	4.9	3.8	2.7	2.2	1.6	2.2	2.2	2.2	3.8	6.0
127.5°	4.9	4.9	3.8	2.7	2.2	1.6	2.2	2.2	2.2	3.3	4.9
130°	4.9	4.9	3.8	2.7	2.2	1.6	2.2	1.6	1.6	2.7	4.4
132.5°	4.9	4.4	3.8	3.3	2.7	2.2	2.2	1.6	1.6	1.6	3.3
135°	4.4	4.4	3.8	3.3	2.7	2.2	2.2	1.6	1.6	1.6	2.2
137.5°	4.4	4.4	4.4	3.8	3.3	2.7	2.2	1.6	1.6	1.6	1.6
140°	4.9	4.9	4.9	4.4	3.3	2.7	2.2	1.6	1.6	1.6	1.6
142.5°	5.5	5.5	5.5	4.9	3.3	2.7	2.7	1.6	1.6	1.6	1.6
145°	6.0	6.0	6.0	4.9	3.3	2.7	2.7	2.2	2.2	1.6	2.2
147.5°	6.6	6.6	6.0	4.9	2.7	2.2	2.2	2.2	2.2	2.2	2.2
150°	6.0	5.5	5.5	3.8	2.2	1.1	1.6	1.6	1.6	2.2	2.2
152.5°	4.4	4.4	3.8	2.7	1.6	0.5	1.1	1.1	1.6	1.6	1.6
155°	2.7	2.7	2.2	1.6	1.1	0.5	0.5	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	2.2	2.2	2.7	3.3	3.3	3.8	3.8	3.8	3.8	3.8	3.8
5°	2.2	2.2	2.7	3.3	3.8	4.4	4.9	4.9	4.9	5.5	5.5
7.5°	2.7	2.7	2.7	3.8	4.4	6.0	16.4	49.3	76.1	78.3	79.4
10°	5.5	5.5	5.5	5.5	12.0	70.1	87.0	90.9	93.1	94.7	94.7
12.5°	73.4	72.8	26.3	13.1	60.2	90.9	96.4	99.1	101.3	102.9	103.5
15°	148.9	149.5	149.5	151.1	109.5	99.1	104.6	154.4	182.9	188.3	190.5
17.5°	163.1	163.1	162.6	181.2	203.7	161.0	179.6	196.0	201.5	204.2	205.3
20°	297.8	297.3	239.8	208.0	215.1	267.2	200.9	208.6	213.0	254.0	255.1
22.5°	328.5	326.8	319.7	321.4	253.5	289.1	275.4	267.2	292.9	291.8	292.9
25°	403.5	364.1	348.7	345.4	367.3	300.6	319.2	276.5	283.0	281.9	283.0
27.5°	528.3	514.1	478.5	404.6	391.4	371.2	319.7	290.2	326.3	334.5	335.6
30°	566.6	548.6	510.8	514.1	436.3	377.7	311.5	321.4	308.8	307.7	305.5
32.5°	776.8	753.3	696.4	560.6	486.1	354.8	313.1	292.3	298.9	320.8	321.9
35°	865.5	838.7	798.7	715.5	471.4	348.2	286.3	285.2	289.6	290.2	289.1
37.5°	966.3	931.2	893.4	753.8	492.2	315.3	267.2	267.7	277.6	296.7	294.5
40°	1083.4	1044.5	983.2	776.3	441.8	295.6	254.6	262.8	273.2	268.8	265.0
42.5°	1215.4	1151.8	1055.5	771.9	384.3	272.6	251.3	256.8	255.1	246.9	244.7
45°	1351.7	1284.3	1126.1	735.2	332.3	257.9	245.3	246.9	240.3	229.9	227.7
47.5°	1508.8	1420.1	1166.1	681.6	290.7	256.8	243.6	238.1	225.6	216.2	215.7
50°	1667.0	1570.1	1228.5	609.9	259.5	252.4	247.4	236.0	220.6	211.3	210.2
52.5°	1821.9	1737.1	1295.8	549.6	236.0	247.4	249.1	237.0	220.6	206.9	206.4
55°	1977.4	1903.0	1368.6	502.0	220.1	246.9	255.1	240.3	223.9	203.7	203.1
57.5°	2133.4	2061.2	1438.7	470.3	213.0	239.8	258.9	250.7	232.7	215.7	216.8
60°	2318.5	2233.1	1521.4	447.8	210.2	236.0	262.2	262.8	238.1	219.0	221.7
62.5°	2500.2	2413.7	1591.5	427.0	203.1	232.1	263.9	272.1	250.2	233.8	236.5
65°	2669.4	2566.5	1623.8	387.1	194.3	227.7	273.7	280.3	259.5	257.9	261.1
67.5°	2734.0	2638.2	1592.0	337.2	188.9	227.7	284.1	291.8	269.3	278.1	286.9
70°	2671.6	2591.7	1512.1	274.8	190.5	229.4	285.8	297.3	283.6	290.7	298.4
72.5°	2477.8	2376.0	1317.7	221.2	190.5	227.2	278.7	288.5	278.1	301.6	309.3
75°	2233.1	2055.7	1048.9	182.3	185.0	226.1	262.2	273.7	263.3	288.0	296.2
77.5°	1844.4	1617.2	725.4	161.0	177.4	216.2	245.3	247.4	237.0	251.8	255.7
80°	1300.8	1090.0	459.3	145.6	169.7	195.4	217.3	213.5	203.1	205.8	209.1
82.5°	725.4	576.5	267.7	134.1	159.3	162.6	177.9	179.0	165.3	165.9	166.4
85°	288.0	266.6	181.2	112.8	128.7	117.2	133.0	138.5	125.4	110.0	106.8
87.5°	191.1	181.2	126.5	77.2	78.8	66.2	86.5	89.8	73.9	64.1	63.5
90°	181.8	176.3	108.9	52.0	43.8	36.1	48.2	46.5	35.6	31.2	31.8
92.5°	187.2	183.9	110.6	49.8	42.7	34.5	42.7	36.7	26.8	23.5	24.1
95°	184.5	182.9	107.8	48.7	40.5	31.8	36.1	29.6	20.8	18.6	18.6
97.5°	87.6	92.5	66.8	43.8	36.1	26.8	27.9	22.4	14.8	13.7	13.1
100°	13.1	20.8	36.1	40.5	26.8	18.6	18.1	14.8	9.3	8.8	8.8
102.5°	13.7	14.8	22.4	27.9	14.8	9.9	9.9	8.8	7.1	8.2	8.2
105°	14.8	13.7	13.1	15.3	8.8	6.0	5.5	5.5	6.0	8.8	9.3
107.5°	15.9	14.8	10.4	8.2	6.6	5.5	4.4	3.8	5.5	9.3	9.9
110°	12.0	11.5	8.8	6.6	6.6	6.0	3.8	3.8	6.0	9.9	10.9



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	8.2	7.7	6.0	5.5	5.5	3.8	3.8	6.0	10.4	11.5
115°	7.7	7.7	6.6	4.9	4.4	4.4	3.8	3.3	6.0	10.9	11.5
117.5°	7.7	7.7	6.6	4.9	3.8	3.3	3.3	3.3	6.0	10.9	11.5
120°	7.7	7.7	6.6	4.4	3.8	3.3	3.3	3.3	6.0	10.4	11.5
122.5°	7.1	7.1	6.0	4.4	3.3	3.3	3.3	3.3	6.0	9.9	10.4
125°	6.6	6.6	5.5	3.8	3.3	2.7	3.3	3.3	5.5	8.8	9.3
127.5°	5.5	6.0	4.9	3.8	3.3	2.7	3.3	3.3	4.9	7.7	8.2
130°	4.9	4.9	4.4	3.3	2.7	2.7	3.3	3.3	4.9	7.1	7.7
132.5°	3.8	3.8	3.3	3.3	2.7	2.7	2.7	2.7	3.8	6.0	6.0
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.3	4.4	4.9
137.5°	2.2	2.2	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.8	3.8
140°	1.6	2.2	2.2	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3
142.5°	1.6	2.2	2.2	2.7	2.7	2.7	2.7	2.7	3.3	3.8	3.8
145°	2.2	2.2	2.7	2.7	2.7	2.2	2.7	2.7	3.3	3.8	3.8
147.5°	2.2	2.2	2.7	2.7	2.7	2.2	2.2	2.7	3.3	3.8	3.8
150°	2.2	2.2	2.7	2.7	2.2	1.6	2.2	2.2	2.7	3.8	3.8
152.5°	2.2	2.2	2.2	2.2	1.6	1.1	1.6	1.6	2.2	2.7	2.7
155°	1.6	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.6	1.6	2.2
157.5°	1.1	1.1	1.1	1.6	1.1	1.1	0.5	0.5	0.5	1.1	1.1
160°	0.5	0.5	1.1	1.1	1.1	1.1	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)