

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: P413815

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8639 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U3 - G4

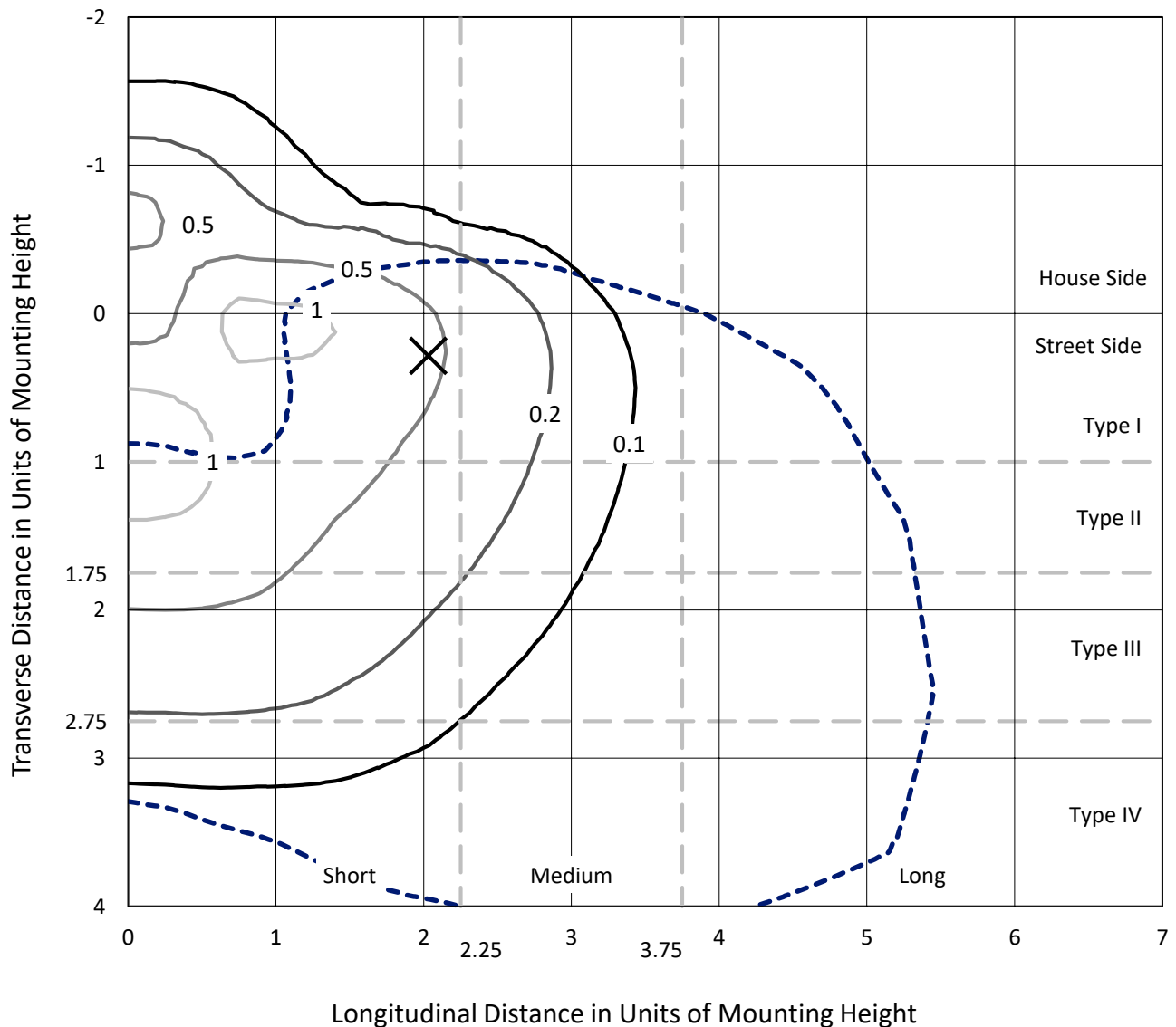
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

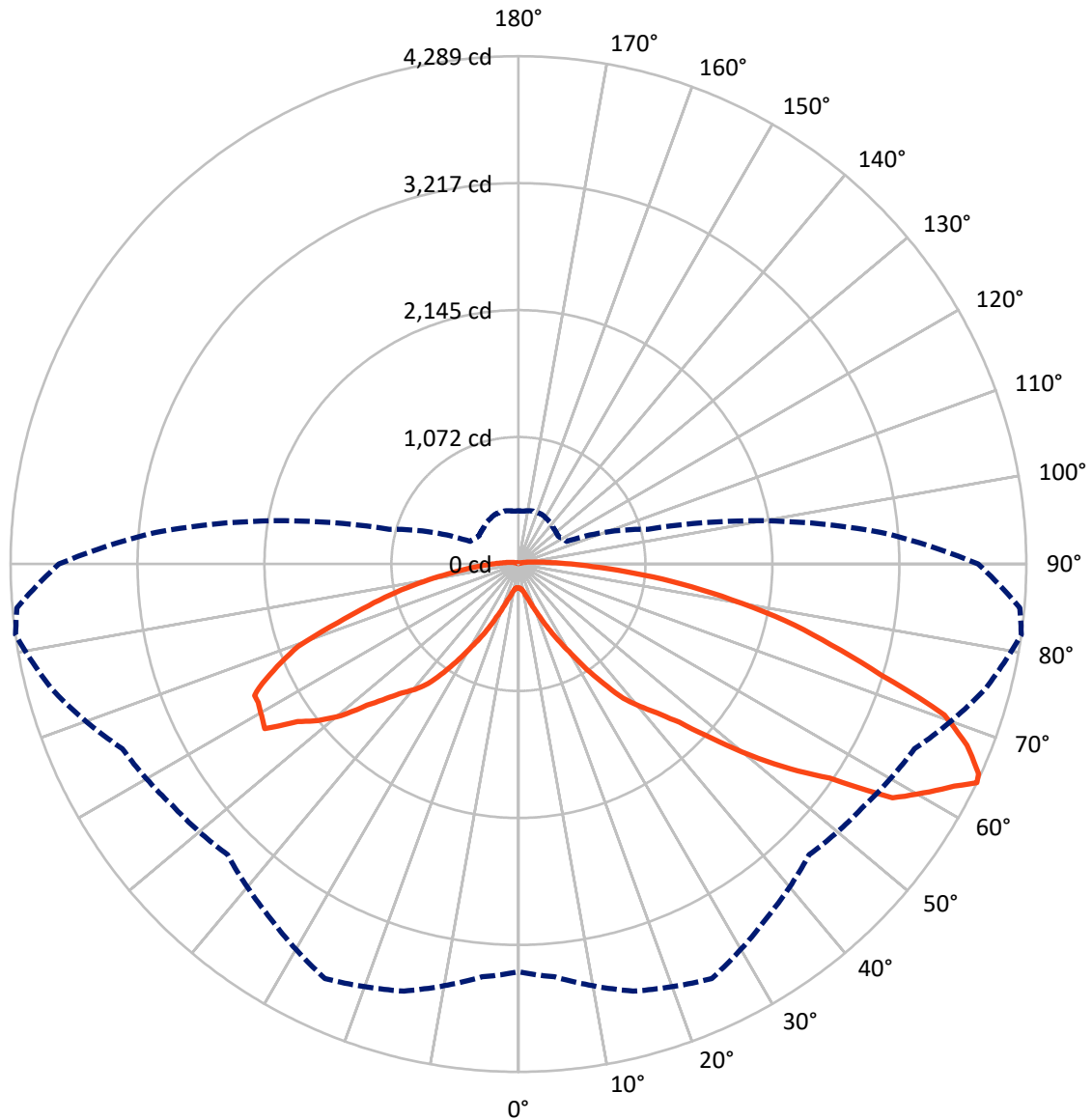
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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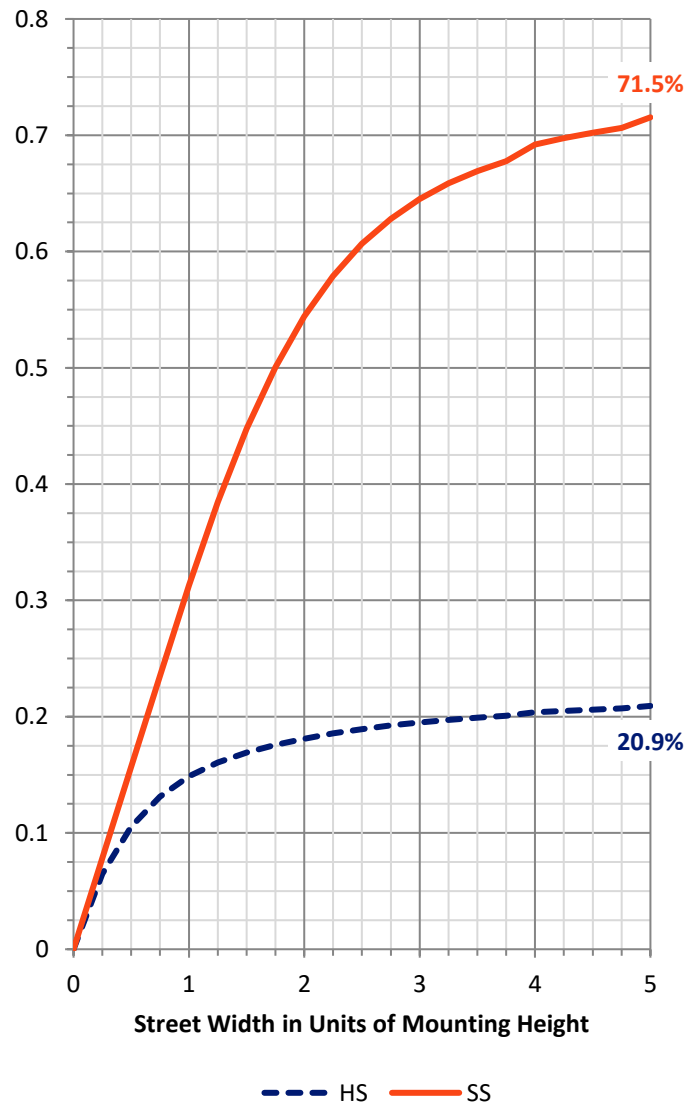
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1899.1	142.3	2041.4
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	6411.2	186.4	6597.6
	% Fixture	74.2	2.2	76.4
Total	Lumens	8310.3	328.7	8639.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.2
10°-20°	88.9	1.0
20°-30°	256.1	3.0
30°-40°	587.9	6.8
40°-50°	1032.5	12.0
50°-60°	1658.5	19.2
60°-70°	2226.3	25.8
70°-80°	1702.1	19.7
80°-90°	737.2	8.5
90°-100°	207.1	2.4
100°-110°	62.9	0.7
110°-120°	27.6	0.3
120°-130°	15.8	0.2
130°-140°	9.6	0.1
140°-150°	4.3	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8310.3	96.2
0°-180°	8639.0	100.0



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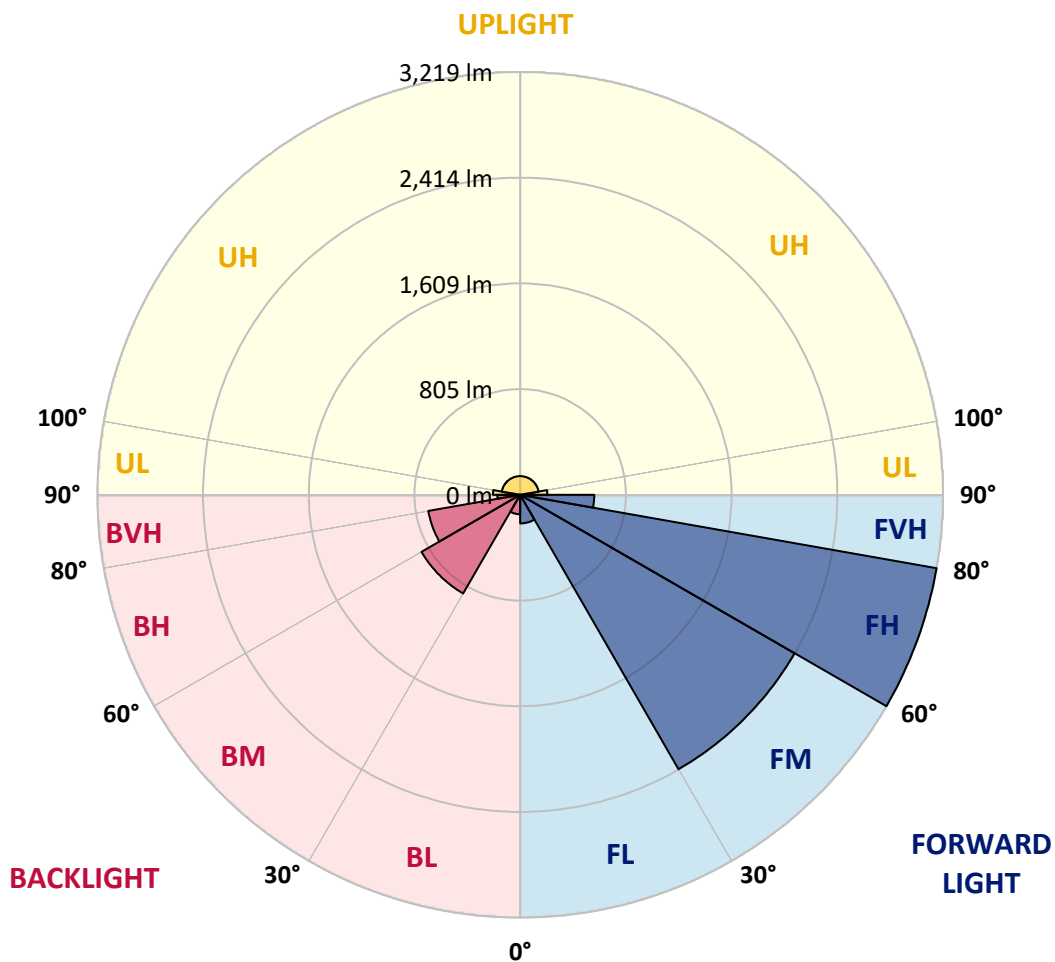
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.5	2.5			
FM	(30°-60°)	2411.6	27.9			
FH	(60°-80°)	3218.5	37.3			G2/5000
FVH	(80°-90°)	563.6	6.5			G4/750
BL	(0°-30°)	148.2	1.7	B1/500		
BM	(30°-60°)	867.3	10.0	B1/1000		
BH	(60°-80°)	709.9	8.2	B2/1000		G2/1000
BVH	(80°-90°)	173.7	2.0			G2/225
UL	(90°-100°)	207.1	2.4		U3/500	
UH	(100°-180°)	142.3	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8
2.5°	216.8	215.8	215.8	216.8	216.8	214.8	210.8	207.8	204.8	203.8	202.8
5°	236.6	235.6	234.7	235.6	232.7	229.7	223.7	217.7	213.8	209.8	208.8
7.5°	263.5	262.5	261.5	259.5	255.5	249.6	240.6	232.7	225.7	220.7	218.7
10°	298.3	294.3	293.3	289.3	282.4	272.4	262.5	252.5	244.6	237.6	234.7
12.5°	346.0	346.0	338.1	329.1	317.2	302.3	289.3	281.4	273.4	269.5	263.5
15°	404.7	402.7	394.7	379.8	359.9	343.0	329.1	319.2	314.2	307.2	304.3
17.5°	469.3	465.3	458.4	435.5	411.6	393.7	377.8	367.9	364.9	358.9	357.9
20°	553.8	547.9	531.0	503.1	470.3	450.4	435.5	424.6	423.6	425.6	424.6
22.5°	654.2	650.3	629.4	578.7	541.9	513.1	493.2	495.2	508.1	514.0	506.1
25°	774.6	778.5	743.7	676.1	627.4	578.7	570.7	581.7	610.5	626.4	627.4
27.5°	916.7	915.7	870.0	795.4	719.9	665.2	652.3	684.1	724.8	747.7	747.7
30°	1075.8	1089.7	1025.1	927.7	822.3	757.6	747.7	796.4	839.2	879.9	891.9
32.5°	1287.6	1284.6	1201.1	1083.8	943.6	852.1	844.2	905.8	1002.2	1058.9	1058.9
35°	1551.1	1540.2	1423.8	1247.8	1059.9	957.5	958.5	1044.0	1171.3	1240.9	1247.8
37.5°	1777.8	1786.7	1669.4	1455.6	1210.1	1077.8	1089.7	1205.1	1358.2	1439.7	1467.6
40°	2020.4	2023.4	1894.1	1661.5	1372.1	1206.1	1234.9	1368.1	1513.3	1580.9	1607.8
42.5°	2234.2	2252.1	2122.8	1868.3	1536.2	1363.2	1377.1	1493.4	1637.6	1718.1	1755.9
45°	2381.3	2391.3	2311.7	2058.2	1714.2	1523.3	1521.3	1629.6	1815.6	1905.1	1965.7
47.5°	2581.2	2608.0	2493.7	2249.1	1897.1	1686.3	1669.4	1808.6	2053.2	2198.4	2250.1
50°	2815.8	2856.6	2776.1	2480.8	2105.9	1878.2	1881.2	2047.2	2348.5	2538.4	2592.1
52.5°	3049.5	3065.4	3011.7	2759.2	2348.5	2101.9	2125.8	2333.6	2679.6	2874.5	2907.3
55°	3174.8	3197.6	3213.5	3013.7	2639.8	2367.4	2409.2	2659.7	2962.0	3190.7	3265.2
57.5°	3294.1	3325.9	3367.7	3231.4	2929.2	2695.5	2736.3	2959.0	3400.5	3726.6	3783.3
60°	3495.9	3523.8	3604.3	3492.9	3194.7	3008.7	3051.5	3364.7	3702.7	3927.4	3933.4
62.5°	3492.9	3536.7	3731.6	3759.4	3479.0	3310.0	3414.4	3583.4	3850.9	4133.3	4127.3
64°	3445.2	3499.9	3734.6	3863.8	3652.0	3473.1	3563.5	3690.8	4080.6	4289.4	4251.6
65°	3411.4	3472.1	3725.6	3890.7	3746.5	3565.5	3633.1	3780.3	4147.2	4271.5	4219.8
67.5°	3225.5	3293.1	3629.2	3887.7	3843.9	3710.7	3732.6	3869.8	4036.8	4085.5	3993.1
70°	2892.4	2928.2	3310.0	3724.6	3747.5	3620.2	3679.9	3750.5	3841.9	3818.1	3696.8
72.5°	2282.9	2356.5	2742.3	3332.9	3463.1	3371.6	3394.5	3429.3	3336.8	3199.6	3055.5
75°	1625.7	1691.3	2051.2	2628.9	3015.7	2978.9	3010.7	2955.0	2852.6	2727.3	2586.1
77.5°	1130.5	1151.4	1448.7	1983.6	2410.2	2522.5	2591.1	2512.6	2454.9	2304.8	2191.4
80°	731.8	766.6	953.5	1436.7	1910.0	2139.7	2250.1	2199.4	2065.1	1825.5	1696.3
82.5°	453.4	481.2	628.4	1020.1	1514.3	1833.5	1939.9	1870.3	1655.5	1388.0	1258.8
85°	259.5	265.5	367.9	664.2	1106.6	1456.6	1598.8	1487.5	1237.9	979.4	866.0
87.5°	149.1	154.1	219.7	406.7	765.6	1097.7	1232.9	1070.9	831.2	629.4	554.8
90°	95.5	101.4	142.2	265.5	493.2	784.5	883.9	734.8	556.8	398.7	351.0
92.5°	65.6	68.6	95.5	165.1	318.2	518.0	590.6	491.2	347.0	254.5	225.7
95°	47.7	49.7	67.6	112.4	204.8	325.1	364.9	311.2	227.7	169.0	151.1
97.5°	38.8	39.8	52.7	82.5	141.2	206.8	218.7	193.9	151.1	120.3	113.3
100°	32.8	33.8	43.7	63.6	100.4	135.2	138.2	130.3	106.4	89.5	85.5
102.5°	29.8	29.8	36.8	51.7	75.6	96.4	96.4	89.5	73.6	65.6	65.6
105°	26.8	26.8	31.8	42.8	59.7	74.6	73.6	65.6	55.7	49.7	50.7
107.5°	23.9	23.9	27.8	34.8	48.7	58.7	56.7	48.7	42.8	38.8	39.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	21.9	21.9	24.9	29.8	40.8	48.7	45.7	37.8	31.8	31.8	32.8
112.5°	19.9	19.9	21.9	26.8	34.8	39.8	36.8	29.8	25.9	25.9	26.8
115°	17.9	17.9	19.9	23.9	30.8	33.8	30.8	23.9	20.9	21.9	23.9
117.5°	16.9	16.9	18.9	21.9	26.8	28.8	25.9	19.9	17.9	19.9	20.9
120°	15.9	15.9	17.9	20.9	24.9	25.9	21.9	17.9	15.9	17.9	18.9
122.5°	15.9	15.9	16.9	19.9	22.9	22.9	19.9	15.9	13.9	15.9	16.9
125°	15.9	15.9	16.9	18.9	20.9	20.9	17.9	13.9	12.9	14.9	14.9
127.5°	16.9	16.9	17.9	18.9	19.9	18.9	15.9	12.9	11.9	13.9	13.9
130°	16.9	16.9	16.9	17.9	17.9	16.9	13.9	11.9	11.9	12.9	13.9
132.5°	16.9	16.9	16.9	16.9	16.9	14.9	12.9	10.9	11.9	12.9	13.9
135°	15.9	15.9	15.9	15.9	14.9	12.9	10.9	8.9	10.9	11.9	11.9
137.5°	13.9	14.9	13.9	13.9	13.9	11.9	8.9	8.0	8.9	10.9	10.9
140°	12.9	12.9	12.9	12.9	11.9	9.9	8.0	6.0	7.0	8.9	8.9
142.5°	11.9	11.9	11.9	10.9	10.9	8.9	6.0	5.0	6.0	7.0	7.0
145°	9.9	9.9	9.9	9.9	8.9	7.0	5.0	4.0	5.0	6.0	6.0
147.5°	8.0	8.0	8.0	8.0	7.0	6.0	4.0	4.0	5.0	5.0	5.0
150°	6.0	7.0	7.0	7.0	6.0	5.0	3.0	3.0	4.0	5.0	5.0
152.5°	5.0	5.0	5.0	6.0	5.0	3.0	2.0	3.0	4.0	4.0	4.0
155°	3.0	4.0	4.0	4.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0
157.5°	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
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°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8
2.5°	201.8	200.8	198.9	196.9	195.9	195.9	193.9	192.9	189.9	189.9	188.9
5°	205.8	203.8	199.9	195.9	192.9	191.9	189.9	186.9	184.9	183.9	183.9
7.5°	214.8	211.8	203.8	198.9	194.9	191.9	189.9	186.9	184.9	183.9	183.9
10°	229.7	224.7	215.8	206.8	200.8	196.9	194.9	193.9	192.9	191.9	191.9
12.5°	258.5	251.6	236.6	225.7	213.8	207.8	205.8	207.8	212.8	214.8	215.8
15°	298.3	289.3	271.4	251.6	233.7	223.7	227.7	237.6	246.6	250.6	249.6
17.5°	348.0	334.1	312.2	285.4	260.5	255.5	259.5	270.4	283.4	289.3	288.3
20°	411.6	400.7	367.9	324.1	296.3	288.3	291.3	305.2	324.1	330.1	332.1
22.5°	499.1	483.2	432.5	371.9	335.1	320.2	323.1	341.0	366.9	380.8	383.8
25°	612.5	595.6	521.0	428.5	370.9	348.0	359.9	383.8	425.6	447.4	445.4
27.5°	743.7	714.9	617.5	498.1	412.6	376.8	394.7	433.5	477.3	505.1	503.1
30°	865.0	840.2	709.9	561.8	448.4	404.7	423.6	473.3	524.0	557.8	559.8
32.5°	1047.0	1001.3	818.3	616.5	477.3	427.5	445.4	506.1	564.8	605.5	604.5
35°	1234.9	1183.2	937.6	680.1	502.1	442.5	461.4	530.0	594.6	643.3	644.3
37.5°	1432.8	1360.2	1044.0	721.9	522.0	451.4	470.3	546.9	629.4	685.1	687.1
40°	1566.0	1483.5	1108.6	743.7	528.0	457.4	478.3	558.8	635.4	676.1	680.1
42.5°	1715.2	1598.8	1142.4	725.8	521.0	456.4	480.2	549.8	609.5	638.3	641.3
45°	1921.0	1764.9	1179.2	698.0	502.1	453.4	472.3	526.0	564.8	575.7	575.7
47.5°	2188.4	1966.7	1240.9	668.2	482.2	444.4	458.4	493.2	508.1	506.1	501.1
50°	2509.6	2253.1	1315.4	642.3	463.3	433.5	442.5	462.3	467.3	461.4	458.4
52.5°	2829.7	2483.7	1367.1	619.4	451.4	423.6	429.5	444.4	444.4	426.6	423.6
55°	3123.1	2692.5	1353.2	575.7	442.5	418.6	424.6	435.5	426.6	405.7	401.7
57.5°	3597.3	3053.5	1389.0	532.9	429.5	417.6	425.6	432.5	419.6	399.7	395.7
60°	3681.9	3038.6	1304.5	506.1	420.6	420.6	429.5	437.5	428.5	410.6	409.6
62.5°	3799.2	3052.5	1176.2	467.3	414.6	422.6	438.5	450.4	449.4	436.5	434.5
64°	3881.7	3072.4	1130.5	449.4	409.6	422.6	445.4	463.3	463.3	448.4	448.4
65°	3800.2	2996.8	1096.7	440.5	404.7	422.6	449.4	471.3	469.3	457.4	455.4
67.5°	3553.6	2751.2	953.5	420.6	393.7	422.6	460.4	484.2	487.2	477.3	473.3
70°	3252.3	2482.7	829.2	397.7	382.8	417.6	460.4	492.2	497.1	486.2	483.2
72.5°	2650.8	1996.5	684.1	372.9	366.9	405.7	454.4	488.2	493.2	480.2	476.3
75°	2222.2	1630.6	566.7	349.0	350.0	390.8	439.5	470.3	470.3	456.4	450.4
77.5°	1830.5	1316.4	469.3	326.1	330.1	371.9	412.6	432.5	426.6	413.6	405.7
80°	1371.1	994.3	386.8	301.3	305.2	341.0	374.8	388.8	382.8	366.9	364.9
82.5°	1003.2	714.9	330.1	275.4	278.4	307.2	332.1	344.0	349.0	336.1	332.1
85°	659.2	504.1	283.4	249.6	251.6	273.4	289.3	299.3	310.2	306.2	304.3
87.5°	430.5	349.0	239.6	219.7	221.7	239.6	250.6	260.5	282.4	285.4	281.4
90°	289.3	244.6	197.9	189.9	192.9	207.8	213.8	223.7	247.6	251.6	251.6
92.5°	193.9	175.0	160.1	160.1	165.1	178.0	179.0	182.0	201.8	206.8	204.8
95°	136.2	130.3	129.3	131.2	137.2	147.2	142.2	140.2	153.1	154.1	152.1
97.5°	104.4	102.4	104.4	107.4	110.4	120.3	115.3	110.4	116.3	114.3	116.3
100°	83.5	82.5	85.5	85.5	88.5	97.4	93.5	90.5	91.5	87.5	87.5
102.5°	66.6	66.6	69.6	70.6	72.6	79.5	78.5	75.6	73.6	69.6	70.6
105°	51.7	52.7	56.7	57.7	60.7	66.6	65.6	61.6	59.7	54.7	55.7
107.5°	41.8	43.7	46.7	47.7	50.7	55.7	53.7	49.7	46.7	44.7	44.7



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CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.8	35.8	38.8	39.8	42.8	46.7	45.7	40.8	36.8	35.8	36.8
112.5°	28.8	30.8	32.8	33.8	36.8	39.8	36.8	32.8	29.8	30.8	30.8
115°	24.9	25.9	27.8	28.8	30.8	33.8	30.8	26.8	24.9	25.9	26.8
117.5°	22.9	23.9	24.9	24.9	26.8	28.8	25.9	22.9	21.9	22.9	23.9
120°	19.9	20.9	21.9	22.9	23.9	24.9	22.9	19.9	18.9	20.9	20.9
122.5°	17.9	18.9	18.9	19.9	20.9	21.9	19.9	17.9	16.9	17.9	18.9
125°	15.9	16.9	17.9	17.9	18.9	18.9	17.9	15.9	15.9	16.9	16.9
127.5°	14.9	15.9	15.9	16.9	16.9	16.9	15.9	13.9	14.9	15.9	15.9
130°	14.9	14.9	14.9	14.9	14.9	14.9	13.9	12.9	13.9	14.9	14.9
132.5°	13.9	13.9	13.9	13.9	13.9	12.9	11.9	11.9	12.9	13.9	13.9
135°	12.9	12.9	11.9	11.9	11.9	11.9	10.9	10.9	10.9	11.9	11.9
137.5°	10.9	10.9	9.9	9.9	9.9	9.9	8.9	8.9	9.9	10.9	10.9
140°	8.9	8.9	8.0	8.0	8.0	8.0	8.0	8.0	8.9	8.9	9.9
142.5°	7.0	7.0	7.0	6.0	6.0	7.0	7.0	7.0	8.0	8.0	8.0
145°	6.0	6.0	6.0	5.0	5.0	6.0	6.0	6.0	7.0	7.0	7.0
147.5°	5.0	5.0	5.0	4.0	3.0	5.0	5.0	5.0	6.0	5.0	5.0
150°	5.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	3.0	2.0	2.0	3.0	4.0	3.0	3.0	3.0
155°	4.0	4.0	3.0	3.0	2.0	1.0	2.0	3.0	2.0	2.0	2.0
157.5°	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
160°	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	1.0	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)