

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: P413803

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8591 lumens
Efficiency: N/A
Efficacy: 89.5 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 - G3

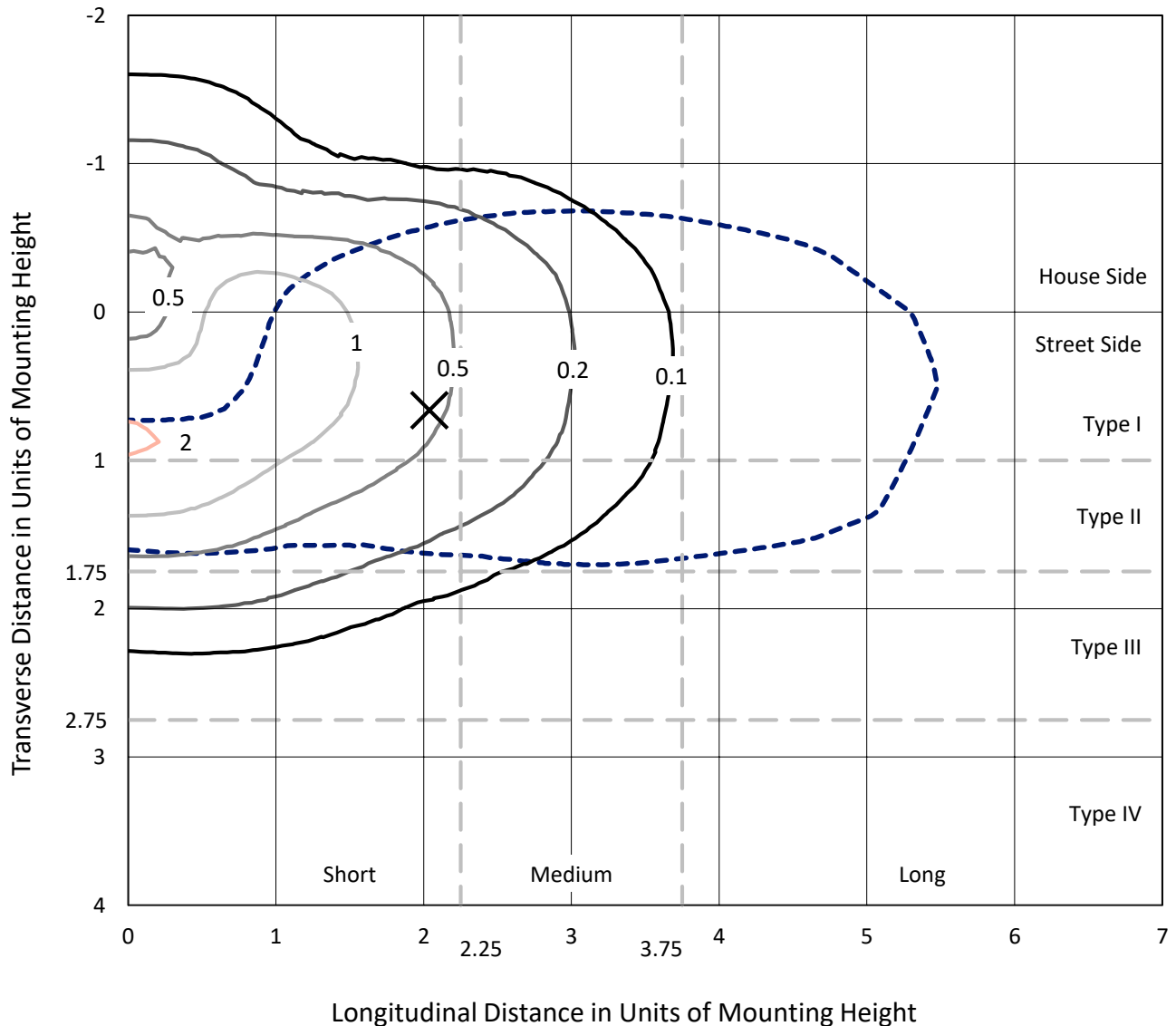
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

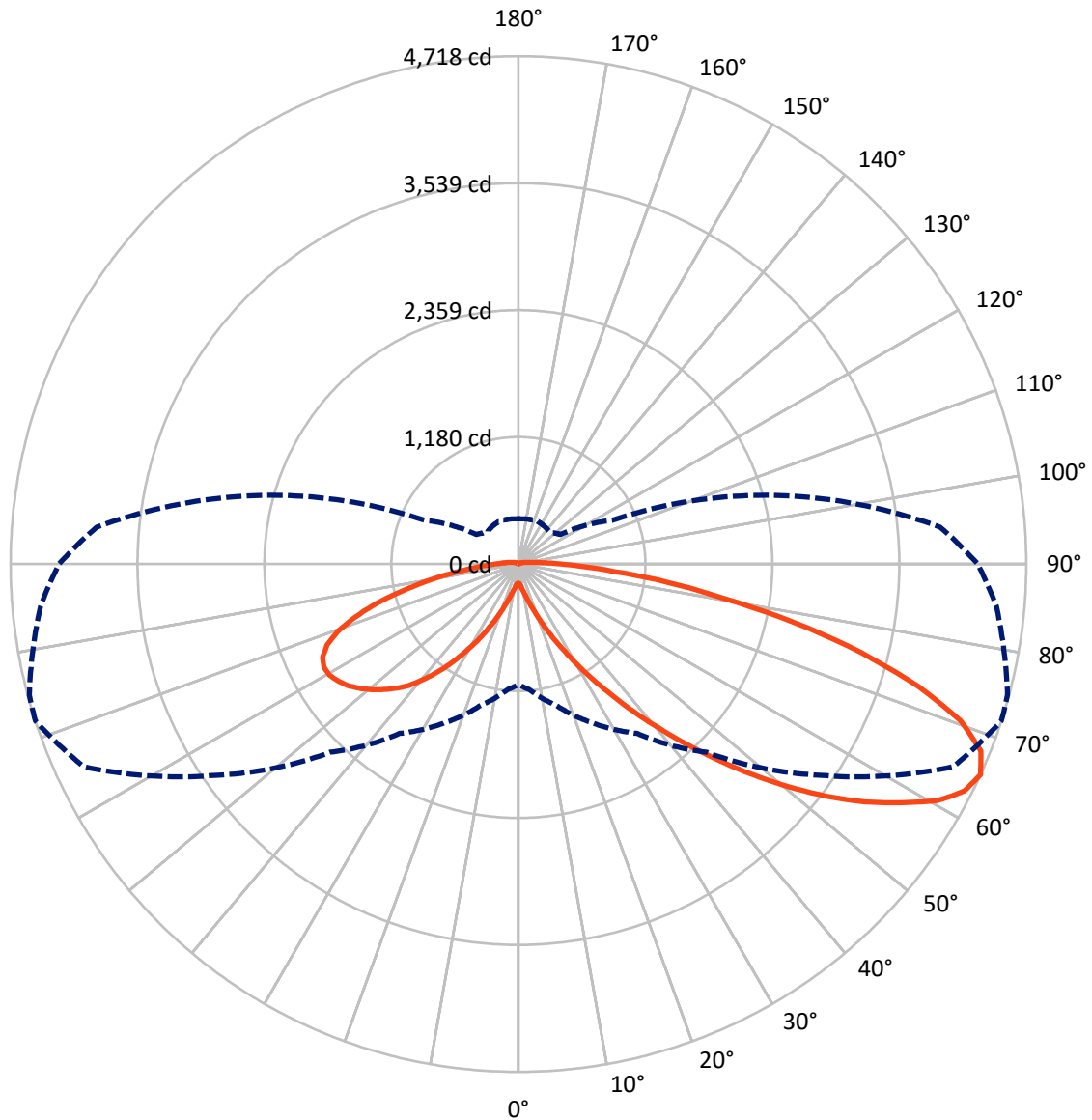
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2422.2	121.9	2544.1
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	5928.1	118.8	6046.9
	% Fixture	69.0	1.4	70.4
Total	Lumens	8350.3	240.7	8591.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.2
10°-20°	103.9	1.2
20°-30°	329.2	3.8
30°-40°	788.9	9.2
40°-50°	1456.5	17.0
50°-60°	1984.6	23.1
60°-70°	1935.0	22.5
70°-80°	1263.7	14.7
80°-90°	468.1	5.4
90°-100°	130.1	1.5
100°-110°	54.5	0.6
110°-120°	27.5	0.3
120°-130°	15.5	0.2
130°-140°	8.7	0.1
140°-150°	3.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8350.3	97.2
0°-180°	8591.0	100.0



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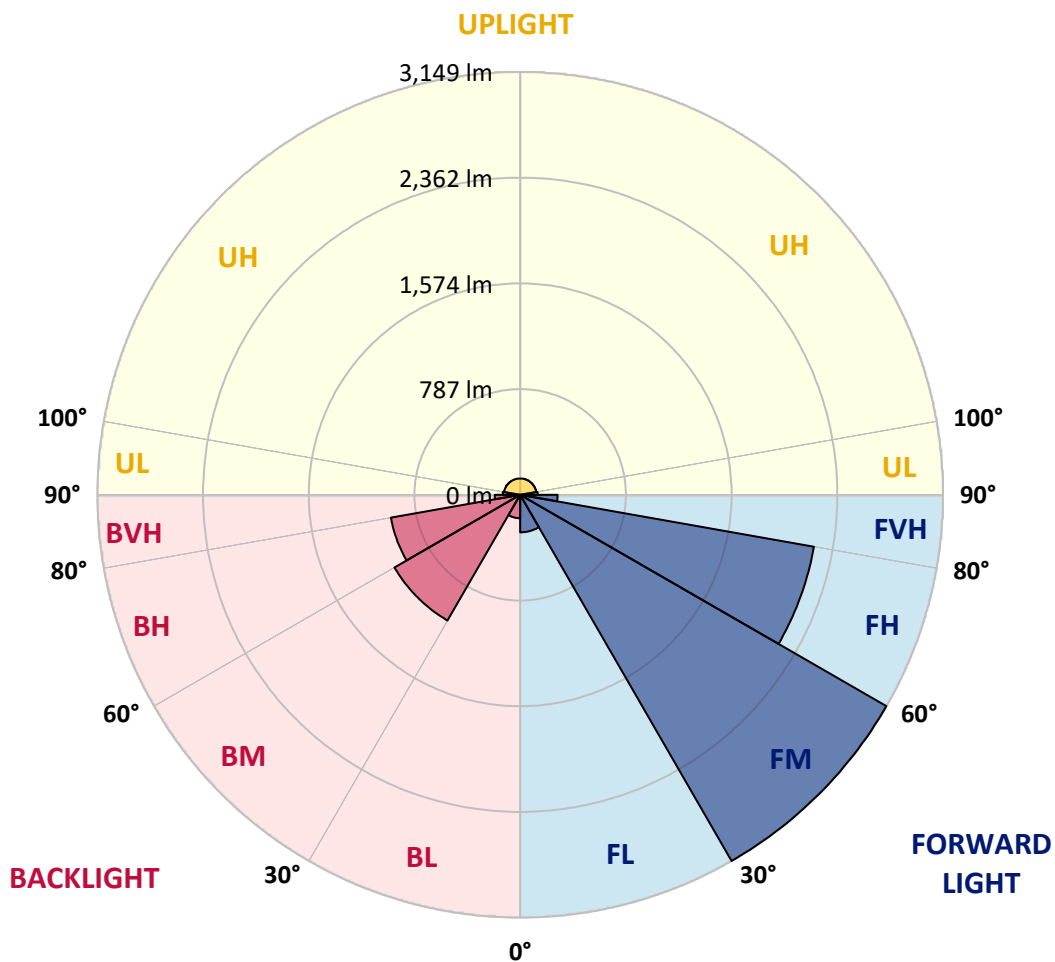
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.1	3.2			
FM (30°-60°)	3149.0	36.7			
FH (60°-80°)	2221.4	25.9			G2/5000
FVH (80°-90°)	278.7	3.2			G3/500
BL (0°-30°)	174.4	2.0	B1/500		
BM (30°-60°)	1081.0	12.6	B2/2500		
BH (60°-80°)	977.3	11.4	B2/1000		G2/1000
BVH (80°-90°)	189.4	2.2			G2/225
UL (90°-100°)	130.1	1.5		U3/500	
UH (100°-180°)	121.9	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	197.9	196.9	194.9	193.9	193.9	191.9	189.9	186.9	184.9	184.0	182.0
5°	223.7	221.7	219.7	217.8	215.8	212.8	207.8	204.8	200.9	199.9	195.9
7.5°	260.5	258.5	252.6	250.6	247.6	243.6	237.6	231.7	227.7	224.7	218.8
10°	309.2	307.2	303.3	298.3	292.3	284.4	274.4	268.5	258.5	260.5	251.6
12.5°	375.9	370.9	365.9	358.0	346.0	337.1	323.2	317.2	306.3	306.3	295.3
15°	456.4	455.4	445.5	428.6	417.6	398.7	386.8	373.9	366.9	366.9	358.0
17.5°	560.8	553.8	545.9	523.0	498.2	475.3	459.4	450.4	442.5	440.5	428.6
20°	690.1	680.1	668.2	627.4	597.6	569.8	546.9	539.9	534.0	533.0	523.0
22.5°	854.1	833.2	811.4	771.6	723.9	675.1	659.2	643.3	644.3	646.3	623.4
25°	1036.1	1030.1	991.3	934.7	872.0	818.3	774.6	768.6	774.6	770.6	761.7
27.5°	1269.8	1249.9	1201.1	1128.6	1029.1	966.5	919.8	915.8	916.8	921.7	906.8
30°	1542.2	1532.3	1470.6	1349.3	1221.0	1137.5	1086.8	1079.8	1091.8	1092.8	1069.9
32.5°	1863.4	1843.5	1749.0	1613.8	1438.8	1332.4	1274.7	1272.7	1285.7	1288.6	1270.8
35°	2188.5	2178.6	2085.1	1891.2	1699.3	1538.2	1479.6	1483.5	1492.5	1510.4	1489.5
37.5°	2563.4	2536.5	2416.2	2211.4	1968.8	1775.9	1713.2	1727.1	1741.1	1741.1	1712.2
40°	2917.4	2907.4	2781.1	2523.6	2233.3	2054.3	1985.7	1993.6	1992.6	1993.6	1955.8
42.5°	3245.5	3211.7	3100.3	2826.9	2527.6	2345.6	2263.1	2276.0	2287.9	2296.9	2201.4
45°	3467.2	3438.4	3339.9	3070.5	2806.0	2634.0	2580.3	2580.3	2594.2	2590.2	2495.8
47.5°	3545.8	3541.8	3468.2	3263.4	3020.8	2887.5	2890.5	2901.5	2922.3	2903.4	2768.2
50°	3509.0	3493.1	3480.1	3365.8	3198.8	3135.1	3194.8	3250.5	3252.4	3218.6	3046.6
52.5°	3278.3	3280.3	3345.9	3325.0	3248.5	3313.1	3495.1	3593.5	3584.6	3551.7	3344.9
55°	2927.3	2943.2	3057.6	3145.1	3191.8	3370.8	3717.8	3921.6	3901.7	3856.0	3646.2
57.5°	2460.0	2511.7	2664.8	2855.7	3022.8	3317.1	3839.1	4206.0	4185.1	4185.1	3946.5
60°	1962.8	2004.6	2230.3	2463.0	2726.4	3136.1	3851.0	4414.8	4465.5	4433.7	4159.3
62.5°	1522.3	1540.2	1773.9	2067.2	2349.6	2831.8	3713.8	4514.3	4648.5	4621.6	4350.2
65°	1120.6	1171.3	1360.2	1628.7	1921.0	2472.9	3420.5	4455.6	4718.1	4704.2	4455.6
67.5°	833.2	856.1	1014.2	1262.8	1552.1	2026.4	2992.9	4199.0	4634.6	4646.5	4439.7
70°	624.4	630.4	753.7	958.5	1205.1	1598.9	2494.8	3789.4	4357.1	4410.8	4297.5
72.5°	472.3	483.2	585.7	746.7	929.7	1231.0	1971.8	3232.6	3883.8	4017.1	3974.3
75°	369.9	382.8	453.4	577.7	718.9	931.7	1492.5	2574.3	3290.2	3462.3	3510.0
77.5°	292.3	306.3	365.9	461.4	560.8	718.9	1096.7	1926.0	2628.0	2800.0	2939.2
80°	229.7	239.6	292.3	362.9	441.5	531.0	768.6	1400.0	1930.0	2144.8	2272.0
82.5°	175.0	185.9	226.7	286.4	346.0	405.7	548.9	952.6	1400.0	1497.5	1714.2
85°	127.3	137.2	171.0	219.7	266.5	314.2	401.7	635.4	891.9	1008.2	1117.6
87.5°	93.5	97.4	127.3	163.1	204.8	237.6	289.3	405.7	566.8	624.4	715.9
90°	65.6	69.6	93.5	120.3	155.1	185.9	212.8	268.5	353.0	404.7	421.6
92.5°	48.7	51.7	69.6	90.5	119.3	144.2	161.1	189.9	229.7	251.6	265.5
95°	36.8	39.8	54.7	71.6	92.5	113.4	126.3	137.2	160.1	166.1	178.0
97.5°	29.8	31.8	44.7	58.7	74.6	93.5	100.4	106.4	114.3	120.3	125.3
100°	25.9	26.8	37.8	49.7	63.6	75.6	81.5	84.5	89.5	91.5	93.5
102.5°	22.9	22.9	32.8	42.8	54.7	63.6	68.6	68.6	69.6	70.6	69.6
105°	19.9	20.9	28.8	37.8	46.7	54.7	58.7	56.7	55.7	54.7	51.7
107.5°	18.9	18.9	25.9	33.8	41.8	47.7	50.7	46.7	44.7	42.8	39.8
110°	16.9	17.9	22.9	29.8	36.8	41.8	43.8	39.8	35.8	33.8	30.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	15.9	16.9	20.9	26.8	32.8	37.8	37.8	33.8	28.8	26.8	24.9
115°	15.9	15.9	18.9	23.9	29.8	33.8	33.8	28.8	23.9	21.9	20.9
117.5°	15.9	15.9	17.9	21.9	26.8	29.8	29.8	24.9	19.9	17.9	17.9
120°	14.9	14.9	16.9	19.9	24.9	26.8	25.9	21.9	16.9	15.9	15.9
122.5°	14.9	14.9	15.9	18.9	22.9	24.9	23.9	18.9	14.9	12.9	13.9
125°	15.9	14.9	15.9	17.9	20.9	21.9	20.9	15.9	12.9	11.9	12.9
127.5°	15.9	15.9	14.9	16.9	18.9	19.9	18.9	13.9	10.9	10.9	11.9
130°	15.9	15.9	14.9	15.9	16.9	17.9	15.9	11.9	9.9	9.9	10.9
132.5°	15.9	15.9	14.9	14.9	15.9	15.9	13.9	9.9	8.9	8.9	9.9
135°	15.9	15.9	13.9	13.9	13.9	13.9	11.9	8.9	8.0	8.0	8.9
137.5°	14.9	14.9	13.9	12.9	12.9	11.9	9.9	7.0	6.0	7.0	8.0
140°	13.9	13.9	12.9	10.9	10.9	9.9	8.0	6.0	5.0	6.0	6.0
142.5°	12.9	12.9	11.9	9.9	8.9	8.0	7.0	4.0	4.0	4.0	5.0
145°	11.9	11.9	10.9	8.0	7.0	6.0	5.0	3.0	3.0	3.0	4.0
147.5°	9.9	9.9	8.9	7.0	5.0	5.0	3.0	2.0	3.0	3.0	3.0
150°	8.0	8.0	7.0	5.0	4.0	3.0	1.0	2.0	2.0	2.0	3.0
152.5°	7.0	7.0	5.0	4.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
155°	5.0	5.0	4.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
157.5°	3.0	3.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	180.0	180.0	179.0	178.0	177.0	176.0	174.0	173.0	173.0	172.0	172.0
5°	193.9	192.9	189.9	186.9	183.0	181.0	178.0	176.0	175.0	174.0	174.0
7.5°	215.8	213.8	207.8	202.8	197.9	193.9	188.9	185.9	184.9	182.0	183.0
10°	246.6	243.6	236.7	227.7	218.8	212.8	205.8	201.8	199.9	197.9	195.9
12.5°	291.3	285.4	273.4	261.5	248.6	236.7	229.7	226.7	228.7	227.7	228.7
15°	353.0	342.0	324.2	306.3	283.4	268.5	266.5	265.5	265.5	266.5	268.5
17.5°	422.6	410.7	387.8	355.0	328.1	313.2	304.3	303.3	308.2	309.2	308.2
20°	514.1	502.1	466.3	421.6	382.8	359.0	347.0	347.0	354.0	356.0	359.9
22.5°	612.5	605.5	556.8	495.2	443.5	404.7	387.8	389.8	399.7	402.7	404.7
25°	749.7	721.9	662.2	577.7	503.1	451.4	428.6	429.5	440.5	448.4	451.4
27.5°	900.9	869.0	781.5	671.2	562.8	490.2	464.4	465.3	478.3	488.2	490.2
30°	1062.9	1031.1	916.8	763.6	618.5	525.0	490.2	491.2	506.1	517.1	519.0
32.5°	1236.0	1210.1	1050.0	863.1	667.2	548.9	507.1	508.1	521.0	531.0	533.0
35°	1454.7	1396.0	1208.1	951.6	708.0	563.8	515.1	514.1	527.0	536.9	538.9
37.5°	1670.5	1607.8	1358.3	1034.1	731.8	567.8	513.1	513.1	523.0	531.0	532.0
40°	1905.1	1800.7	1516.4	1098.7	740.8	561.8	507.1	506.1	514.1	518.0	519.0
42.5°	2157.7	2029.4	1671.5	1150.4	736.8	548.9	496.2	497.2	500.1	500.1	499.2
45°	2385.4	2255.1	1804.7	1184.2	722.9	532.0	483.2	484.2	485.2	477.3	477.3
47.5°	2652.9	2494.8	1930.0	1192.2	695.0	515.1	473.3	475.3	470.3	459.4	457.4
50°	2906.4	2730.4	2056.3	1189.2	666.2	497.2	463.4	465.3	456.4	441.5	438.5
52.5°	3188.8	2963.1	2175.6	1174.3	631.4	481.3	456.4	458.4	448.4	430.5	427.6
55°	3467.2	3209.7	2285.0	1148.4	601.6	464.4	449.4	454.4	441.5	423.6	422.6
57.5°	3732.7	3454.3	2375.5	1110.7	569.8	452.4	444.5	450.4	438.5	420.6	419.6
60°	3969.4	3662.1	2448.0	1073.9	534.9	440.5	439.5	447.4	436.5	421.6	420.6
62.5°	4135.4	3849.0	2480.8	1024.2	507.1	427.6	433.5	441.5	433.5	421.6	421.6
65°	4267.7	3932.6	2467.9	958.5	477.3	413.6	425.6	433.5	428.6	420.6	421.6
67.5°	4242.8	3930.6	2383.4	880.0	449.4	398.7	411.7	422.6	418.6	415.6	414.6
70°	4089.7	3744.6	2221.3	794.5	420.6	379.8	394.7	405.7	404.7	403.7	403.7
72.5°	3774.5	3422.5	1978.7	696.0	390.8	359.9	372.9	382.8	384.8	383.8	380.8
75°	3362.8	2979.0	1697.3	603.6	359.9	336.1	350.0	356.0	359.0	357.0	357.0
77.5°	2759.3	2483.8	1349.3	510.1	327.1	309.2	319.2	324.2	328.1	323.2	320.2
80°	2192.5	1889.2	1038.1	416.6	291.3	279.4	284.4	286.4	290.3	285.4	279.4
82.5°	1539.2	1346.3	752.7	340.1	255.5	245.6	248.6	247.6	249.6	242.6	234.7
85°	1028.1	904.8	518.0	273.4	218.8	209.8	209.8	206.8	204.8	197.9	191.9
87.5°	645.3	572.7	356.0	215.8	184.0	177.0	173.0	167.0	165.1	160.1	153.1
90°	397.7	365.9	248.6	173.0	153.1	147.2	143.2	134.2	133.2	125.3	120.3
92.5°	260.5	238.6	184.0	140.2	128.3	122.3	117.3	109.4	108.4	102.4	99.4
95°	172.0	167.0	140.2	117.3	108.4	103.4	98.4	91.5	89.5	83.5	79.5
97.5°	126.3	126.3	115.3	99.4	92.5	87.5	84.5	78.6	74.6	68.6	66.6
100°	95.5	96.4	92.5	85.5	79.5	74.6	71.6	66.6	63.6	57.7	56.7
102.5°	73.6	75.6	76.6	72.6	68.6	64.6	61.6	57.7	53.7	47.7	46.7
105°	56.7	58.7	62.6	61.6	59.7	56.7	53.7	49.7	44.7	39.8	39.8
107.5°	43.8	45.7	51.7	52.7	51.7	48.7	46.7	42.8	38.8	33.8	33.8
110°	33.8	36.8	42.8	44.7	44.7	42.8	40.8	36.8	31.8	28.8	28.8



REPORT NUMBER: P413803

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.8	30.8	35.8	38.8	38.8	37.8	34.8	30.8	26.8	24.9	24.9
115°	22.9	25.9	30.8	33.8	33.8	32.8	30.8	26.8	22.9	21.9	21.9
117.5°	19.9	21.9	25.9	28.8	29.8	28.8	26.8	22.9	19.9	19.9	19.9
120°	17.9	19.9	22.9	24.9	25.9	24.9	22.9	19.9	16.9	17.9	17.9
122.5°	15.9	16.9	19.9	22.9	22.9	22.9	20.9	16.9	14.9	15.9	15.9
125°	13.9	15.9	17.9	19.9	20.9	19.9	17.9	14.9	12.9	13.9	14.9
127.5°	12.9	13.9	15.9	17.9	17.9	17.9	15.9	12.9	11.9	12.9	12.9
130°	11.9	12.9	13.9	15.9	15.9	15.9	13.9	10.9	10.9	11.9	11.9
132.5°	10.9	11.9	12.9	13.9	13.9	13.9	11.9	9.9	8.9	10.9	10.9
135°	9.9	9.9	10.9	11.9	11.9	11.9	9.9	8.0	8.0	9.9	9.9
137.5°	8.0	8.9	9.9	9.9	9.9	9.9	8.0	7.0	7.0	8.0	8.0
140°	7.0	7.0	8.0	8.0	8.0	8.0	7.0	5.0	6.0	7.0	7.0
142.5°	6.0	6.0	7.0	7.0	7.0	6.0	5.0	4.0	5.0	6.0	6.0
145°	4.0	5.0	5.0	5.0	5.0	4.0	3.0	3.0	4.0	5.0	5.0
147.5°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	3.0	4.0	4.0
150°	3.0	3.0	4.0	4.0	3.0	2.0	1.0	1.0	2.0	3.0	3.0
152.5°	2.0	2.0	3.0	3.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	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)