

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: P413806

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8650 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

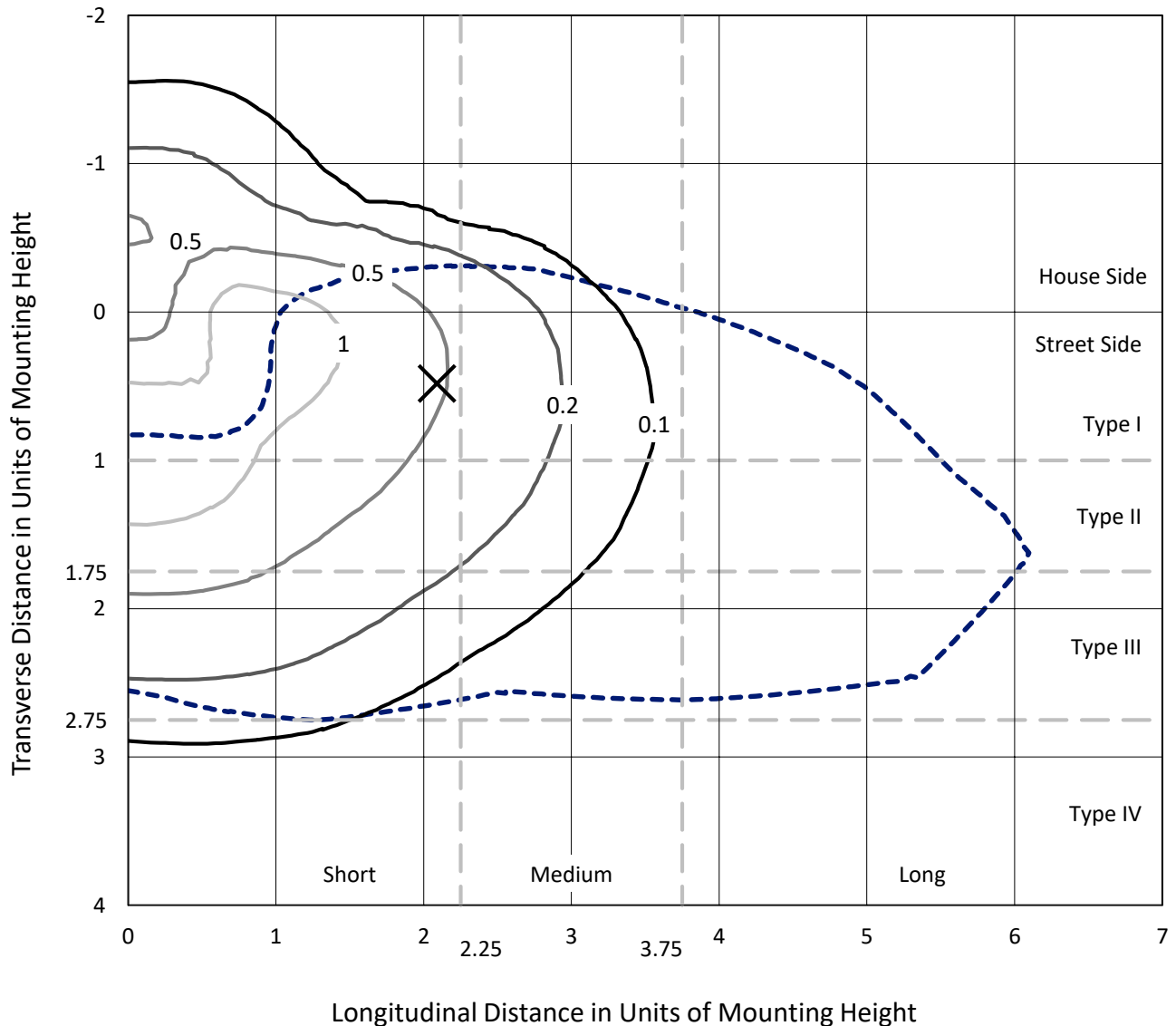
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413806
 CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

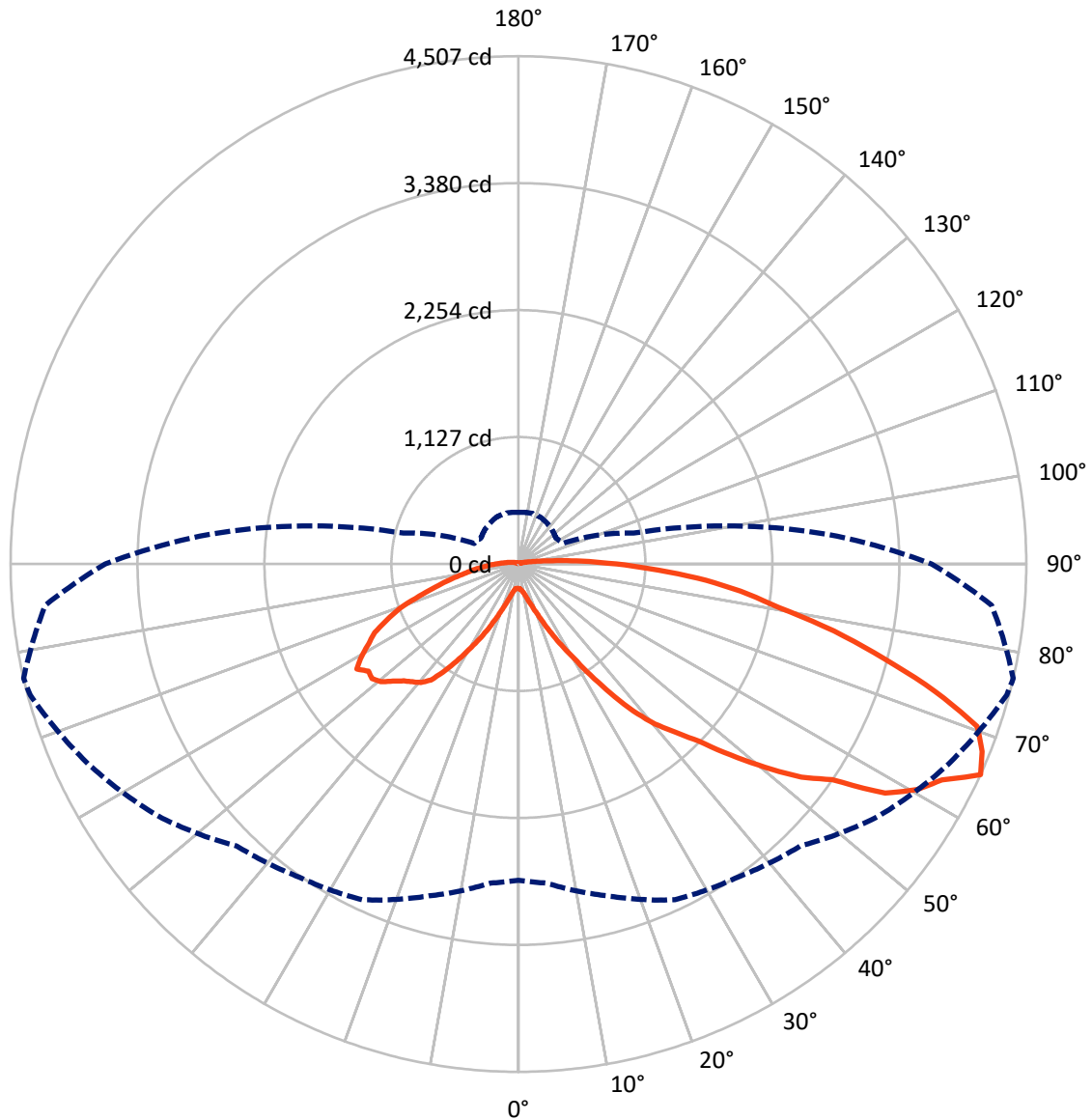
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P413806
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P413806

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

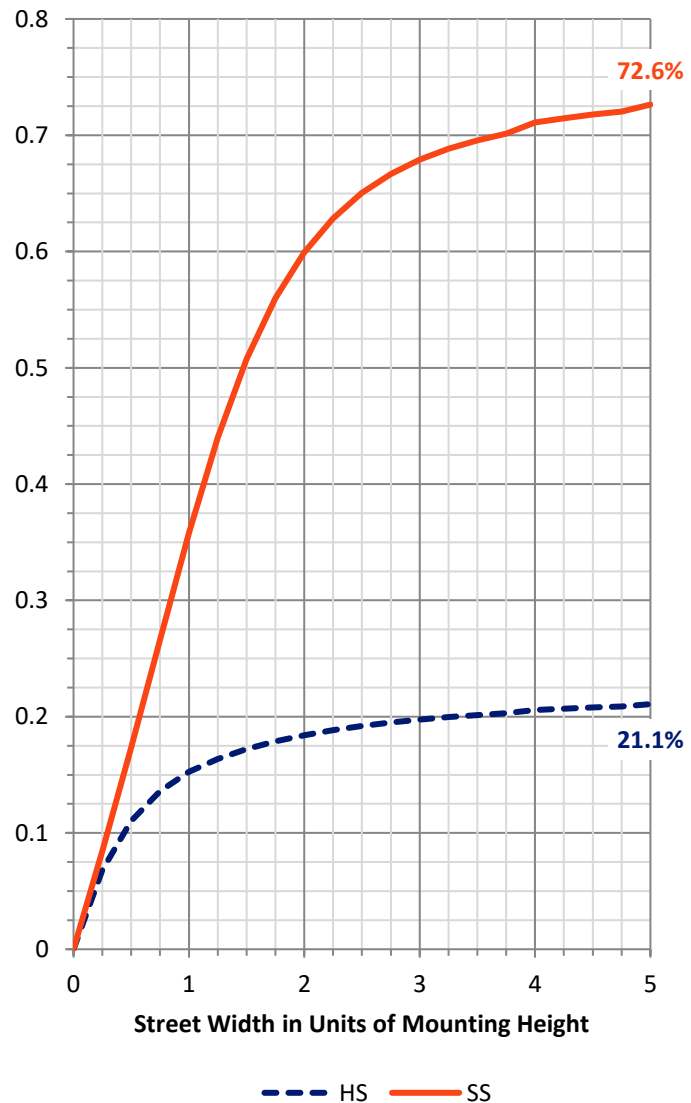
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1906.1	135.5	2041.6
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	6438.9	169.5	6608.4
	% Fixture	74.4	2.0	76.4
Total	Lumens	8345.0	305.0	8650.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.3
10°-20°	94.7	1.1
20°-30°	277.6	3.2
30°-40°	664.6	7.7
40°-50°	1196.8	13.8
50°-60°	1820.3	21.0
60°-70°	2147.3	24.8
70°-80°	1479.8	17.1
80°-90°	641.6	7.4
90°-100°	187.3	2.2
100°-110°	58.7	0.7
110°-120°	27.4	0.3
120°-130°	16.1	0.2
130°-140°	9.8	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°	8345.0	96.5
0°-180°	8650.0	100.0



REPORT NUMBER: P413806

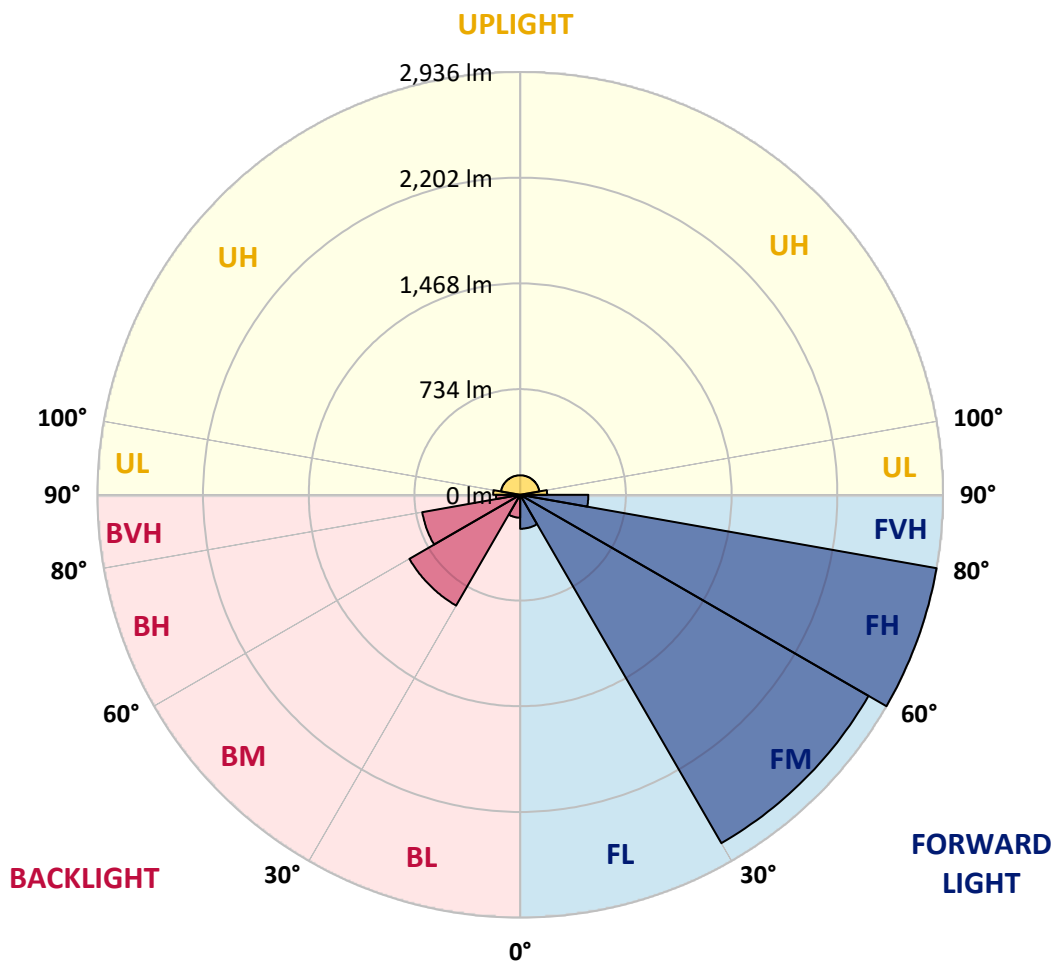
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.7	2.7			
FM	(30°-60°)	2793.3	32.3			
FH	(60°-80°)	2936.5	33.9			G2/5000
FVH	(80°-90°)	473.4	5.5			G3/500
BL	(0°-30°)	158.9	1.8	B1/500		
BM	(30°-60°)	888.4	10.3	B1/1000		
BH	(60°-80°)	690.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	168.2	1.9			G2/225
UL	(90°-100°)	187.3	2.2		U3/500	
UH	(100°-180°)	135.5	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P413806

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7
2.5°	233.7	232.7	232.7	233.7	231.7	229.7	226.7	223.7	220.7	220.7	218.7
5°	252.5	251.6	251.6	251.6	247.6	244.6	237.6	233.7	229.7	227.7	224.7
7.5°	277.4	274.4	275.4	274.4	268.5	262.5	255.5	247.6	242.6	241.6	235.6
10°	310.2	308.2	306.2	302.3	296.3	286.4	276.4	269.5	262.5	261.5	254.5
12.5°	357.0	355.0	351.0	342.0	329.1	317.2	307.2	299.3	295.3	293.3	286.4
15°	413.6	407.7	405.7	391.8	373.9	359.9	349.0	344.0	340.0	340.0	331.1
17.5°	480.2	480.2	470.3	451.4	428.5	411.6	400.7	391.8	394.7	393.7	388.8
20°	562.8	560.8	545.9	521.0	493.2	477.3	463.3	458.4	462.3	466.3	466.3
22.5°	682.1	677.1	654.2	616.5	575.7	549.8	539.9	538.9	554.8	559.8	565.8
25°	816.3	809.4	780.5	734.8	684.1	644.3	630.4	641.3	670.2	681.1	693.0
27.5°	978.4	974.4	930.7	868.0	807.4	755.7	739.8	773.6	812.3	816.3	840.2
30°	1187.2	1189.2	1129.5	1039.0	935.6	881.9	864.0	904.8	962.5	966.5	1014.2
32.5°	1428.8	1428.8	1339.3	1229.9	1096.7	1021.1	1004.2	1069.9	1160.3	1174.3	1220.0
35°	1737.0	1719.1	1604.8	1447.7	1280.6	1168.3	1166.3	1268.7	1393.0	1406.9	1456.6
37.5°	2013.4	2024.4	1908.0	1703.2	1477.5	1348.3	1365.2	1495.4	1652.5	1656.5	1710.2
40°	2312.7	2324.7	2187.4	1973.7	1696.3	1551.1	1584.9	1706.2	1862.3	1865.3	1884.2
42.5°	2547.4	2578.2	2449.9	2227.2	1946.8	1781.8	1789.7	1903.1	2023.4	2038.3	2051.2
45°	2687.6	2710.4	2639.8	2461.9	2167.6	2012.4	1993.6	2086.0	2243.1	2239.1	2258.0
47.5°	2908.3	2935.1	2826.8	2664.7	2416.1	2224.2	2200.4	2320.7	2513.6	2533.5	2515.6
50°	3137.0	3172.8	3094.2	2905.3	2648.8	2461.9	2464.8	2602.1	2826.8	2833.7	2844.7
52.5°	3297.1	3322.9	3292.1	3160.9	2888.4	2718.4	2745.2	2909.3	3130.0	3143.0	3099.2
55°	3321.9	3361.7	3386.6	3356.7	3150.9	2982.9	3051.5	3215.5	3364.7	3375.6	3341.8
57.5°	3314.0	3346.8	3399.5	3422.3	3318.9	3255.3	3343.8	3511.8	3799.2	3836.0	3819.1
60°	3305.0	3328.9	3438.3	3472.1	3413.4	3464.1	3605.3	3904.6	4062.7	4065.7	3911.5
62.5°	3056.4	3096.2	3302.0	3472.1	3456.2	3552.6	3861.8	4069.6	4194.9	4217.8	4070.6
65°	2806.9	2841.7	3048.5	3287.1	3392.5	3537.7	3901.6	4207.8	4486.2	4507.1	4215.8
67.5°	2446.0	2500.6	2726.3	3013.7	3143.0	3374.6	3797.2	4256.6	4429.6	4438.5	4105.4
70°	1992.6	2067.1	2321.7	2624.9	2780.0	3014.7	3563.5	4082.6	4324.2	4319.2	3922.5
72.5°	1435.8	1502.4	1735.0	2095.0	2337.6	2594.1	3136.0	3736.5	3873.8	3868.8	3336.8
75°	975.4	1011.2	1186.2	1515.3	1864.3	2165.6	2701.5	3241.4	3357.7	3348.8	2858.6
77.5°	639.3	680.1	793.4	1074.8	1400.0	1747.0	2268.0	2713.4	2896.4	2863.6	2423.1
80°	391.8	414.6	508.1	725.8	1060.9	1409.9	1875.2	2295.8	2390.3	2342.5	1978.6
82.5°	244.6	262.5	329.1	479.2	761.6	1088.7	1538.2	1932.9	2038.3	1984.6	1627.7
85°	150.1	159.1	204.8	315.2	517.0	800.4	1236.9	1568.0	1632.6	1593.8	1227.0
87.5°	109.4	111.4	140.2	212.8	349.0	572.7	910.8	1181.2	1227.9	1156.4	860.1
90°	80.5	84.5	103.4	150.1	242.6	388.8	627.4	831.2	843.2	799.4	574.7
92.5°	60.7	62.6	77.6	106.4	167.0	265.5	418.6	556.8	545.9	515.0	357.0
95°	43.7	44.7	55.7	75.6	117.3	178.0	266.5	349.0	314.2	301.3	216.8
97.5°	35.8	36.8	44.7	58.7	86.5	125.3	172.0	207.8	184.9	177.0	139.2
100°	30.8	30.8	37.8	48.7	67.6	93.5	114.3	130.3	119.3	115.3	98.4
102.5°	27.8	27.8	32.8	40.8	55.7	73.6	84.5	89.5	83.5	80.5	72.6
105°	24.9	24.9	28.8	34.8	46.7	59.7	64.6	65.6	59.7	58.7	55.7
107.5°	22.9	22.9	25.9	30.8	39.8	49.7	51.7	48.7	45.7	43.7	43.7
110°	19.9	20.9	22.9	26.8	34.8	41.8	41.8	37.8	33.8	33.8	34.8



REPORT NUMBER: P413806

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	18.9	18.9	20.9	24.9	30.8	35.8	33.8	29.8	26.8	26.8	28.8
115°	16.9	16.9	18.9	22.9	27.8	30.8	28.8	24.9	21.9	22.9	24.9
117.5°	15.9	15.9	17.9	20.9	24.9	26.8	24.9	20.9	18.9	19.9	22.9
120°	15.9	15.9	17.9	19.9	22.9	23.9	21.9	17.9	16.9	16.9	19.9
122.5°	15.9	15.9	16.9	19.9	21.9	21.9	18.9	15.9	14.9	14.9	17.9
125°	15.9	15.9	17.9	19.9	19.9	19.9	16.9	13.9	12.9	13.9	15.9
127.5°	16.9	16.9	17.9	18.9	18.9	17.9	14.9	12.9	11.9	12.9	14.9
130°	16.9	16.9	17.9	18.9	17.9	15.9	13.9	11.9	11.9	11.9	14.9
132.5°	16.9	16.9	17.9	17.9	16.9	13.9	11.9	9.9	10.9	11.9	13.9
135°	15.9	15.9	15.9	15.9	14.9	12.9	9.9	8.9	9.9	10.9	12.9
137.5°	14.9	14.9	14.9	14.9	12.9	10.9	8.0	7.0	8.9	8.9	10.9
140°	12.9	12.9	13.9	12.9	11.9	8.9	7.0	5.0	7.0	7.0	8.9
142.5°	11.9	11.9	11.9	11.9	9.9	8.0	5.0	5.0	6.0	6.0	7.0
145°	9.9	9.9	10.9	9.9	8.0	6.0	4.0	4.0	5.0	5.0	6.0
147.5°	8.0	8.9	8.9	8.0	7.0	5.0	3.0	3.0	4.0	4.0	5.0
150°	7.0	7.0	7.0	7.0	5.0	3.0	2.0	3.0	4.0	4.0	4.0
152.5°	5.0	5.0	6.0	6.0	4.0	2.0	2.0	3.0	3.0	3.0	4.0
155°	4.0	4.0	5.0	4.0	3.0	1.0	2.0	2.0	3.0	3.0	3.0
157.5°	2.0	2.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0
160°	1.0	1.0	3.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
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



REPORT NUMBER: P413806

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7
2.5°	217.7	215.8	214.8	212.8	210.8	208.8	208.8	208.8	207.8	206.8	207.8
5°	221.7	220.7	215.8	211.8	207.8	205.8	203.8	202.8	202.8	200.8	200.8
7.5°	232.7	228.7	221.7	214.8	210.8	206.8	203.8	202.8	201.8	199.9	199.9
10°	249.6	244.6	236.6	225.7	218.7	211.8	208.8	208.8	207.8	206.8	206.8
12.5°	281.4	275.4	261.5	246.6	232.7	222.7	220.7	223.7	229.7	230.7	230.7
15°	328.1	321.2	303.3	279.4	257.5	243.6	245.6	253.5	261.5	264.5	264.5
17.5°	385.8	377.8	352.0	317.2	288.3	275.4	274.4	285.4	296.3	302.3	302.3
20°	463.3	450.4	416.6	366.9	327.1	312.2	306.2	316.2	333.1	340.0	338.1
22.5°	559.8	544.9	497.1	421.6	371.9	345.0	337.1	348.0	368.9	377.8	376.8
25°	687.1	672.1	594.6	490.2	415.6	373.9	368.9	384.8	415.6	433.5	431.5
27.5°	835.2	810.3	706.9	566.7	458.4	397.7	398.7	425.6	457.4	477.3	475.3
30°	993.3	961.5	820.3	640.3	498.1	424.6	422.6	454.4	487.2	508.1	508.1
32.5°	1202.1	1155.4	951.5	710.9	529.0	445.4	438.5	474.3	508.1	530.0	529.0
35°	1425.8	1363.2	1088.7	785.5	554.8	456.4	448.4	485.2	520.0	545.9	545.9
37.5°	1682.3	1576.0	1217.0	837.2	572.7	462.3	451.4	493.2	535.9	562.8	560.8
40°	1817.6	1698.2	1278.7	860.1	575.7	463.3	456.4	500.1	535.9	545.9	540.9
42.5°	1968.7	1814.6	1304.5	832.2	564.8	461.4	459.4	493.2	509.1	506.1	503.1
45°	2159.6	1951.8	1329.4	797.4	538.9	458.4	454.4	474.3	475.3	463.3	459.4
47.5°	2403.2	2140.7	1370.1	755.7	513.1	451.4	446.4	455.4	438.5	416.6	409.6
50°	2664.7	2359.5	1420.8	719.9	489.2	442.5	437.5	434.5	417.6	395.7	391.8
52.5°	2892.4	2507.6	1434.8	682.1	473.3	436.5	430.5	427.5	411.6	386.8	381.8
55°	3096.2	2633.9	1386.0	625.4	460.4	432.5	430.5	430.5	413.6	387.8	382.8
57.5°	3498.9	2936.1	1403.9	567.7	443.5	431.5	434.5	435.5	419.6	394.7	389.8
60°	3510.8	2878.5	1299.5	527.0	428.5	431.5	438.5	440.5	429.5	412.6	409.6
62.5°	3625.2	2880.5	1159.3	474.3	418.6	429.5	441.5	448.4	449.4	439.5	437.5
65°	3666.9	2838.7	1057.9	432.5	404.7	424.6	442.5	459.4	465.3	460.4	458.4
67.5°	3506.9	2646.8	919.7	404.7	390.8	416.6	441.5	462.3	475.3	478.3	478.3
70°	3296.1	2431.0	796.4	377.8	375.8	405.7	434.5	462.3	480.2	488.2	488.2
72.5°	2761.1	1996.5	657.2	350.0	356.0	388.8	419.6	453.4	473.3	480.2	477.3
75°	2309.7	1643.6	540.9	326.1	336.1	367.9	398.7	431.5	445.4	449.4	446.4
77.5°	1953.8	1367.1	444.4	304.3	312.2	341.0	368.9	391.8	400.7	398.7	393.7
80°	1575.0	1066.9	364.9	277.4	285.4	308.2	328.1	346.0	355.0	350.0	347.0
82.5°	1253.8	848.1	311.2	253.5	256.5	275.4	289.3	303.3	318.2	314.2	306.2
85°	927.7	624.4	264.5	227.7	227.7	241.6	248.6	261.5	282.4	281.4	278.4
87.5°	634.4	444.4	224.7	201.8	200.8	208.8	212.8	226.7	253.5	254.5	251.6
90°	417.6	304.3	187.9	175.0	173.0	179.0	182.0	193.9	215.8	217.7	213.8
92.5°	271.4	210.8	154.1	148.1	147.2	152.1	151.1	159.1	174.0	173.0	170.0
95°	174.0	147.2	125.3	122.3	119.3	125.3	123.3	125.3	133.2	131.2	131.2
97.5°	120.3	112.4	103.4	98.4	96.4	102.4	100.4	100.4	104.4	100.4	98.4
100°	92.5	89.5	85.5	81.5	77.6	82.5	82.5	82.5	85.5	79.5	77.6
102.5°	71.6	70.6	70.6	67.6	64.6	68.6	69.6	70.6	69.6	63.6	62.6
105°	56.7	56.7	58.7	55.7	54.7	57.7	58.7	57.7	57.7	52.7	52.7
107.5°	44.7	46.7	48.7	46.7	46.7	48.7	48.7	48.7	46.7	43.7	44.7
110°	36.8	38.8	41.8	39.8	39.8	41.8	40.8	39.8	38.8	37.8	37.8



REPORT NUMBER: P413806

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.8	32.8	34.8	33.8	34.8	35.8	34.8	32.8	32.8	32.8	33.8
115°	26.8	28.8	30.8	29.8	29.8	30.8	28.8	27.8	27.8	28.8	28.8
117.5°	23.9	25.9	26.8	26.8	25.9	26.8	24.9	23.9	24.9	25.9	25.9
120°	21.9	22.9	23.9	23.9	22.9	22.9	21.9	20.9	21.9	22.9	23.9
122.5°	19.9	20.9	20.9	21.9	20.9	19.9	18.9	18.9	19.9	20.9	20.9
125°	17.9	18.9	18.9	18.9	18.9	17.9	16.9	16.9	17.9	18.9	19.9
127.5°	15.9	16.9	16.9	17.9	16.9	15.9	14.9	15.9	16.9	17.9	17.9
130°	15.9	15.9	15.9	15.9	14.9	13.9	13.9	13.9	15.9	16.9	16.9
132.5°	14.9	15.9	14.9	14.9	13.9	11.9	11.9	12.9	14.9	15.9	15.9
135°	13.9	13.9	12.9	12.9	11.9	10.9	9.9	11.9	12.9	13.9	13.9
137.5°	11.9	11.9	10.9	9.9	9.9	8.9	8.9	9.9	11.9	12.9	12.9
140°	8.9	9.9	8.9	8.0	8.0	7.0	8.0	8.9	10.9	10.9	10.9
142.5°	7.0	8.0	7.0	6.0	6.0	6.0	6.0	8.0	9.9	9.9	9.9
145°	6.0	6.0	6.0	5.0	4.0	4.0	5.0	7.0	8.9	8.9	8.9
147.5°	5.0	5.0	5.0	4.0	3.0	3.0	4.0	6.0	7.0	7.0	7.0
150°	4.0	4.0	4.0	4.0	3.0	2.0	3.0	5.0	6.0	6.0	6.0
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	2.0	4.0	5.0	5.0	5.0
155°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	3.0	2.0	1.0	0.0	1.0	3.0	4.0	3.0	3.0
160°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	3.0	2.0	2.0
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)