

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: P417143

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417143  
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-PA1-90-730-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 8532 lumens  
Efficiency: N/A  
Efficacy: 90.8 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): 94  
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

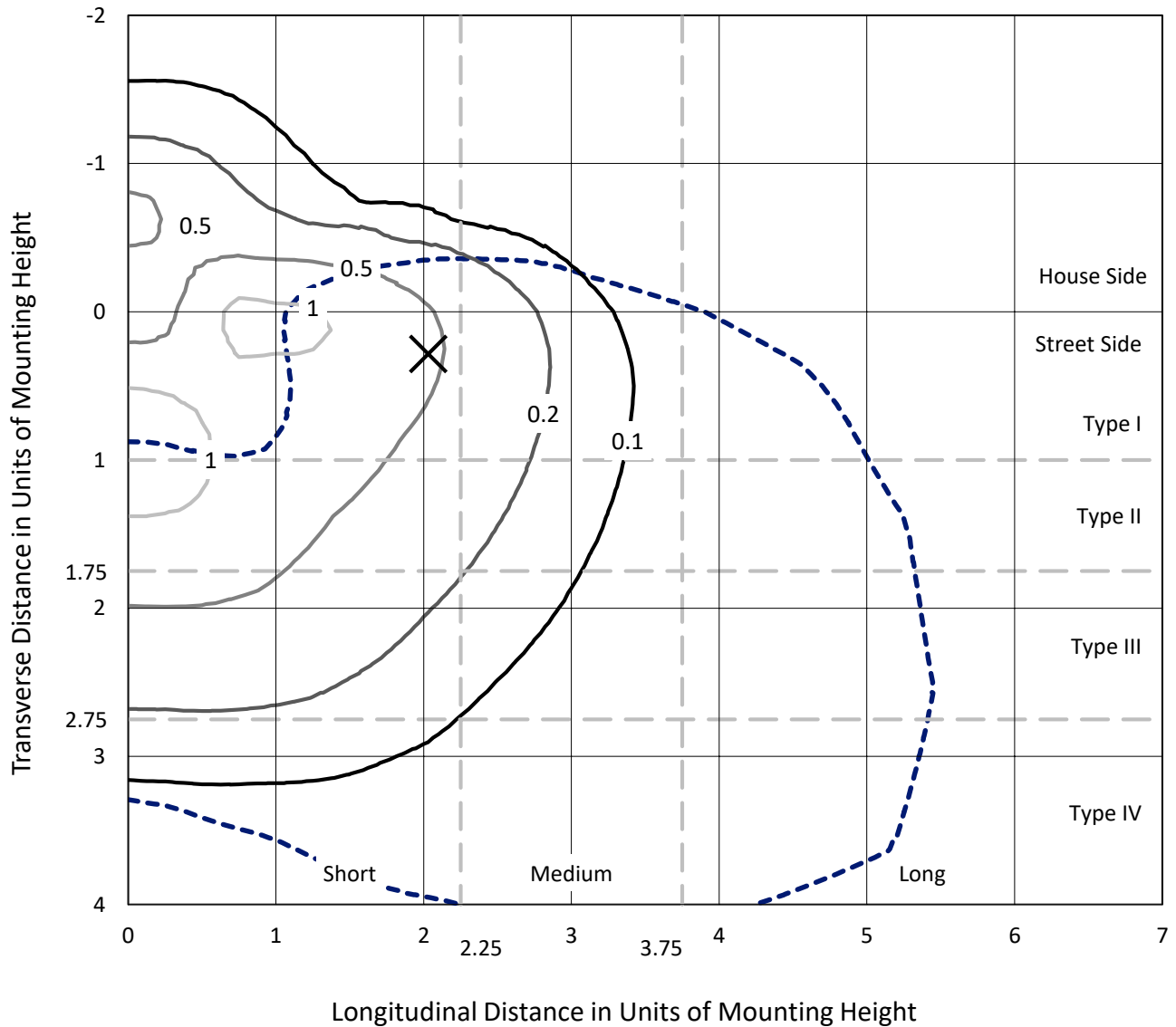


REPORT NUMBER: P417143

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

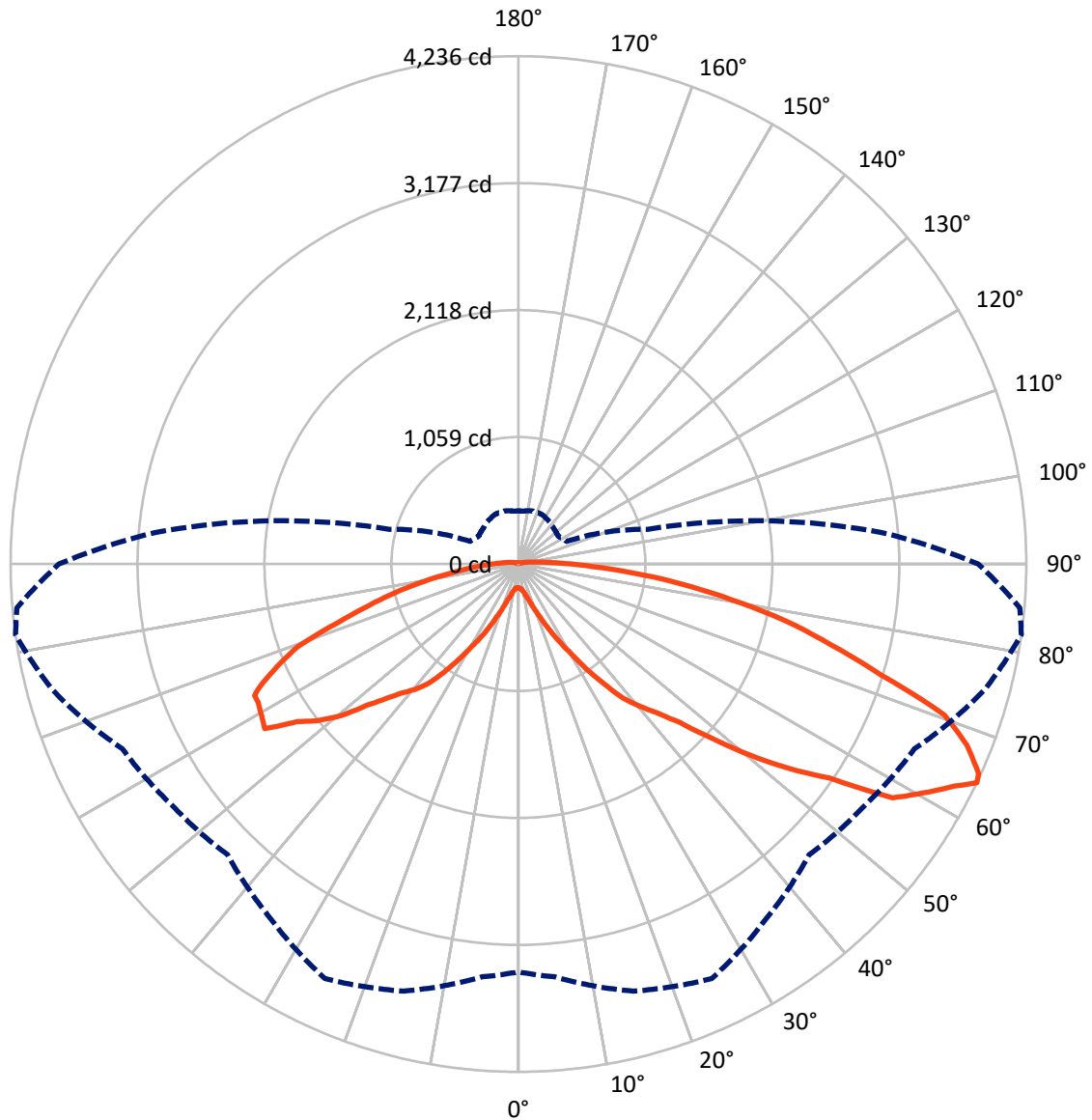


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P417143

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P417143

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

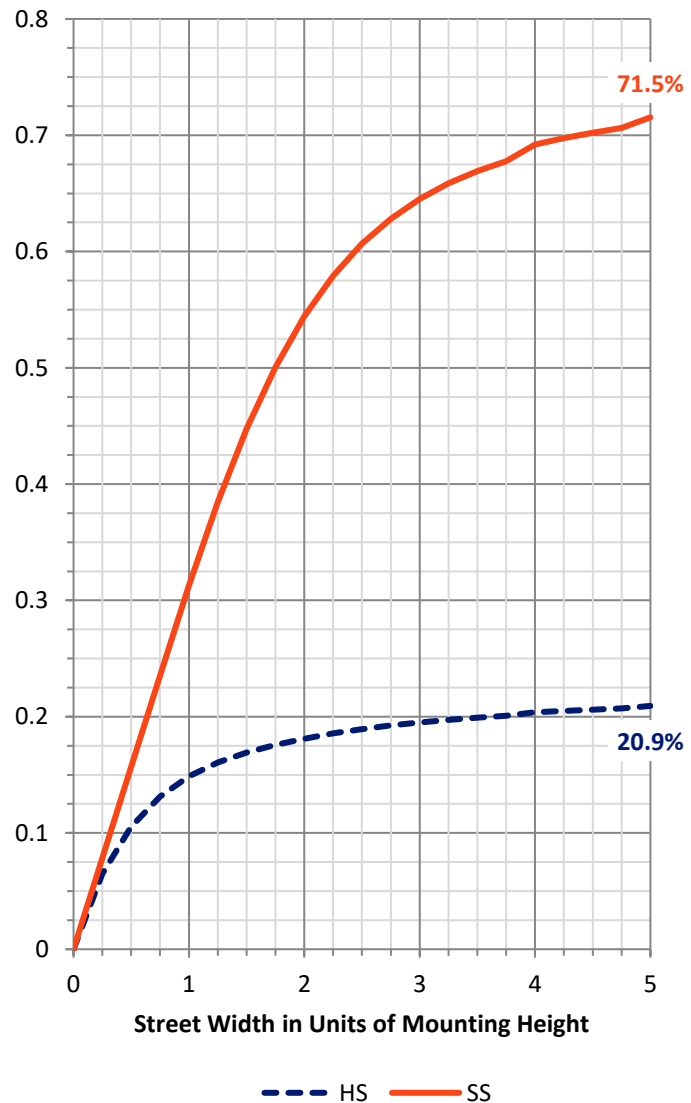
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1875.6	140.5	2016.1
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	6331.8	184.1	6515.9
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	8207.4	324.6	8532.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.5	0.2
10°-20°	87.8	1.0
20°-30°	252.9	3.0
30°-40°	580.6	6.8
40°-50°	1019.7	12.0
50°-60°	1638.0	19.2
60°-70°	2198.7	25.8
70°-80°	1681.0	19.7
80°-90°	728.1	8.5
90°-100°	204.5	2.4
100°-110°	62.1	0.7
110°-120°	27.3	0.3
120°-130°	15.6	0.2
130°-140°	9.5	0.1
140°-150°	4.2	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8207.4	96.2
0°-180°	8532.0	100.0



REPORT NUMBER: P417143

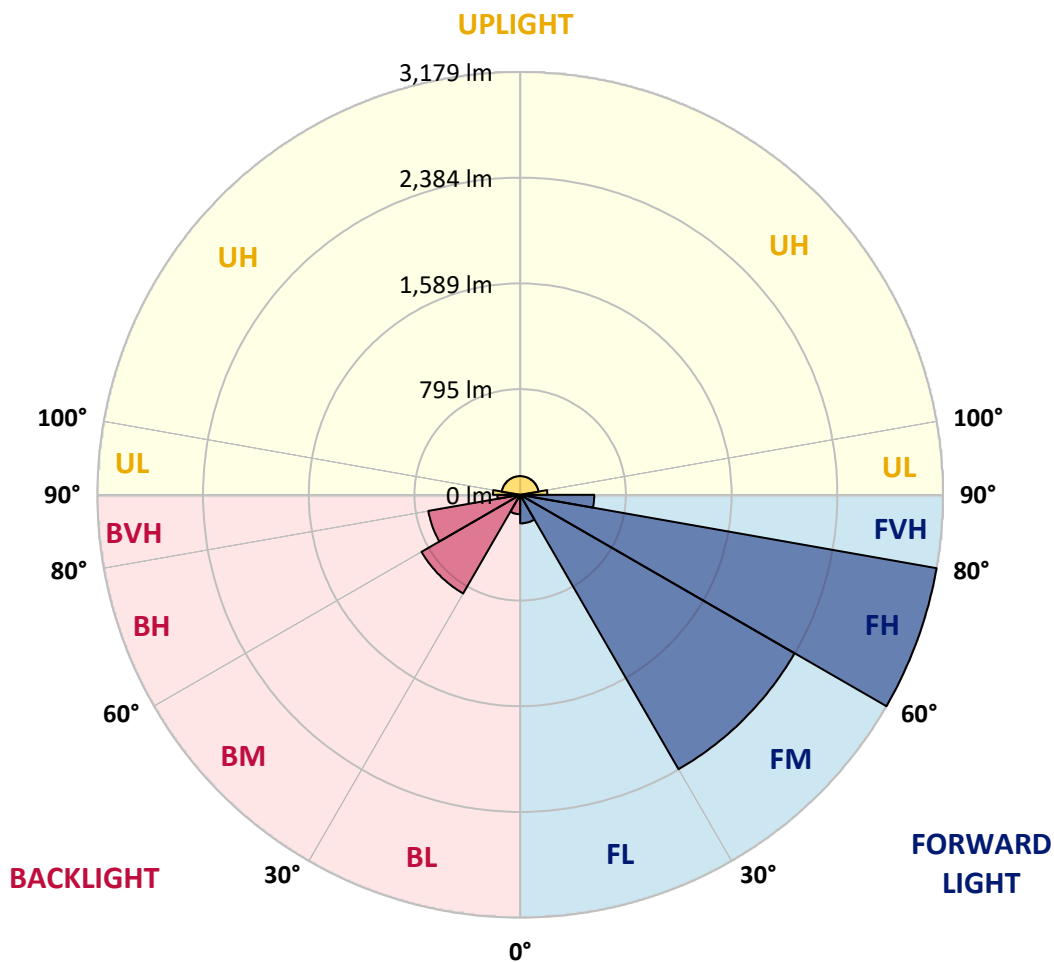
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.8	2.5			
FM	(30°-60°)	2381.7	27.9			
FH	(60°-80°)	3178.6	37.3			G2/5000
FVH	(80°-90°)	556.6	6.5			G4/750
BL	(0°-30°)	146.4	1.7	B1/500		
BM	(30°-60°)	856.6	10.0	B1/1000		
BH	(60°-80°)	701.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	171.5	2.0			G2/225
UL	(90°-100°)	204.5	2.4		U3/500	
UH	(100°-180°)	140.5	1.6		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Short





REPORT NUMBER: P417143

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3
2.5°	214.1	213.1	213.1	214.1	214.1	212.1	208.2	205.2	202.3	201.3	200.3
5°	233.7	232.7	231.7	232.7	229.8	226.8	220.9	215.1	211.1	207.2	206.2
7.5°	260.2	259.2	258.3	256.3	252.4	246.5	237.6	229.8	222.9	218.0	216.0
10°	294.6	290.7	289.7	285.8	278.9	269.1	259.2	249.4	241.6	234.7	231.7
12.5°	341.7	341.7	333.9	325.0	313.3	298.5	285.8	277.9	270.0	266.1	260.2
15°	399.7	397.7	389.8	375.1	355.5	338.8	325.0	315.2	310.3	303.4	300.5
17.5°	463.5	459.6	452.7	430.1	406.5	388.9	373.2	363.3	360.4	354.5	353.5
20°	547.0	541.1	524.4	496.9	464.5	444.8	430.1	419.3	418.3	420.3	419.3
22.5°	646.1	642.2	621.6	571.5	535.2	506.7	487.1	489.0	501.8	507.7	499.8
25°	765.0	768.9	734.5	667.7	619.6	571.5	563.7	574.5	602.9	618.6	619.6
27.5°	905.4	904.4	859.2	785.6	711.0	656.9	644.2	675.6	715.9	738.4	738.4
30°	1062.5	1076.2	1012.4	916.2	812.1	748.3	738.4	786.6	828.8	869.0	880.8
32.5°	1271.7	1268.7	1186.2	1070.4	931.9	841.6	833.7	894.6	989.8	1045.8	1045.8
35°	1531.9	1521.1	1406.2	1232.4	1046.8	945.6	946.6	1031.1	1156.8	1225.5	1232.4
37.5°	1755.8	1764.6	1648.7	1437.6	1195.1	1064.5	1076.2	1190.2	1341.4	1421.9	1449.4
40°	1995.4	1998.3	1870.7	1640.9	1355.1	1191.1	1219.6	1351.2	1494.6	1561.3	1587.9
42.5°	2206.5	2224.2	2096.5	1845.1	1517.2	1346.3	1360.0	1474.9	1617.3	1696.9	1734.2
45°	2351.8	2361.7	2283.1	2032.7	1692.9	1504.4	1502.4	1609.5	1793.1	1881.5	1941.4
47.5°	2549.2	2575.7	2462.8	2221.2	1873.6	1665.4	1648.7	1786.2	2027.8	2171.1	2222.2
50°	2781.0	2821.2	2741.7	2450.0	2079.8	1855.0	1857.9	2021.9	2319.4	2507.0	2560.0
52.5°	3011.7	3027.4	2974.4	2725.0	2319.4	2075.9	2099.5	2304.7	2646.4	2838.9	2871.3
55°	3135.4	3158.0	3173.7	2976.4	2607.1	2338.1	2379.3	2626.8	2925.3	3151.2	3224.8
57.5°	3253.3	3284.7	3325.9	3191.4	2892.9	2662.1	2702.4	2922.4	3358.4	3680.4	3736.4
60°	3452.6	3480.1	3559.7	3449.7	3155.1	2971.5	3013.7	3323.0	3656.9	3878.8	3884.7
62.5°	3449.7	3492.9	3685.4	3712.8	3435.9	3269.0	3372.1	3539.0	3803.2	4082.1	4076.2
64°	3402.5	3456.6	3688.3	3816.0	3606.8	3430.0	3519.4	3645.1	4030.0	4236.2	4198.9
65°	3369.2	3429.1	3679.5	3842.5	3700.1	3521.4	3588.1	3733.5	4095.8	4218.6	4167.5
67.5°	3185.5	3252.3	3584.2	3839.5	3796.3	3664.7	3686.3	3821.8	3986.8	4034.9	3943.6
70°	2856.6	2891.9	3269.0	3678.5	3701.1	3575.4	3634.3	3704.0	3794.4	3770.8	3651.0
72.5°	2254.6	2327.3	2708.3	3291.6	3420.2	3329.9	3352.5	3386.8	3295.5	3160.0	3017.6
75°	1605.5	1670.3	2025.8	2596.3	2978.3	2942.0	2973.4	2918.4	2817.3	2693.6	2554.1
77.5°	1116.5	1137.1	1430.7	1959.0	2380.3	2491.3	2559.0	2481.5	2424.5	2276.2	2164.3
80°	722.7	757.1	941.7	1419.0	1886.4	2113.2	2222.2	2172.1	2039.6	1802.9	1675.2
82.5°	447.8	475.3	620.6	1007.5	1495.5	1810.8	1915.8	1847.1	1635.0	1370.8	1243.2
85°	256.3	262.2	363.3	656.0	1092.9	1438.6	1579.0	1469.0	1222.6	967.2	855.3
87.5°	147.3	152.2	217.0	401.6	756.1	1084.1	1217.6	1057.6	820.9	621.6	547.9
90°	94.3	100.2	140.4	262.2	487.1	774.8	873.0	725.7	549.9	393.8	346.6
92.5°	64.8	67.8	94.3	163.0	314.2	511.6	583.3	485.1	342.7	251.4	222.9
95°	47.1	49.1	66.8	111.0	202.3	321.1	360.4	307.4	224.9	166.9	149.3
97.5°	38.3	39.3	52.0	81.5	139.4	204.3	216.0	191.5	149.3	118.8	111.9
100°	32.4	33.4	43.2	62.8	99.2	133.5	136.5	128.6	105.1	88.4	84.4
102.5°	29.5	29.5	36.3	51.1	74.6	95.3	95.3	88.4	72.7	64.8	64.8
105°	26.5	26.5	31.4	42.2	58.9	73.6	72.7	64.8	55.0	49.1	50.1
107.5°	23.6	23.6	27.5	34.4	48.1	57.9	56.0	48.1	42.2	38.3	39.3



REPORT NUMBER: P417143

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	21.6	21.6	24.5	29.5	40.3	48.1	45.2	37.3	31.4	31.4	32.4
112.5°	19.6	19.6	21.6	26.5	34.4	39.3	36.3	29.5	25.5	25.5	26.5
115°	17.7	17.7	19.6	23.6	30.4	33.4	30.4	23.6	20.6	21.6	23.6
117.5°	16.7	16.7	18.7	21.6	26.5	28.5	25.5	19.6	17.7	19.6	20.6
120°	15.7	15.7	17.7	20.6	24.5	25.5	21.6	17.7	15.7	17.7	18.7
122.5°	15.7	15.7	16.7	19.6	22.6	22.6	19.6	15.7	13.7	15.7	16.7
125°	15.7	15.7	16.7	18.7	20.6	20.6	17.7	13.7	12.8	14.7	14.7
127.5°	16.7	16.7	17.7	18.7	19.6	18.7	15.7	12.8	11.8	13.7	13.7
130°	16.7	16.7	16.7	17.7	17.7	16.7	13.7	11.8	11.8	12.8	13.7
132.5°	16.7	16.7	16.7	16.7	16.7	14.7	12.8	10.8	11.8	12.8	13.7
135°	15.7	15.7	15.7	15.7	14.7	12.8	10.8	8.8	10.8	11.8	11.8
137.5°	13.7	14.7	13.7	13.7	13.7	11.8	8.8	7.9	8.8	10.8	10.8
140°	12.8	12.8	12.8	12.8	11.8	9.8	7.9	5.9	6.9	8.8	8.8
142.5°	11.8	11.8	11.8	10.8	10.8	8.8	5.9	4.9	5.9	6.9	6.9
145°	9.8	9.8	9.8	9.8	8.8	6.9	4.9	3.9	4.9	5.9	5.9
147.5°	7.9	7.9	7.9	7.9	6.9	5.9	3.9	3.9	4.9	4.9	4.9
150°	5.9	6.9	6.9	6.9	5.9	4.9	2.9	2.9	3.9	4.9	4.9
152.5°	4.9	4.9	4.9	5.9	4.9	2.9	2.0	2.9	3.9	3.9	3.9
155°	2.9	3.9	3.9	3.9	3.9	2.9	2.0	2.9	2.9	3.9	3.9
157.5°	2.0	2.0	2.9	2.9	2.9	2.9	2.0	2.0	2.9	2.9	2.9
160°	1.0	1.0	2.0	2.9	2.9	2.9	2.0	2.0	2.9	2.9	2.9
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: P417143

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3
2.5°	199.3	198.4	196.4	194.4	193.4	193.4	191.5	190.5	187.6	187.6	186.6
5°	203.3	201.3	197.4	193.4	190.5	189.5	187.6	184.6	182.6	181.7	181.7
7.5°	212.1	209.2	201.3	196.4	192.5	189.5	187.6	184.6	182.6	181.7	181.7
10°	226.8	221.9	213.1	204.3	198.4	194.4	192.5	191.5	190.5	189.5	189.5
12.5°	255.3	248.4	233.7	222.9	211.1	205.2	203.3	205.2	210.1	212.1	213.1
15°	294.6	285.8	268.1	248.4	230.8	220.9	224.9	234.7	243.5	247.5	246.5
17.5°	343.7	329.9	308.3	281.8	257.3	252.4	256.3	267.1	279.9	285.8	284.8
20°	406.5	395.7	363.3	320.1	292.6	284.8	287.7	301.5	320.1	326.0	328.0
22.5°	493.0	477.2	427.2	367.3	330.9	316.2	319.1	336.8	362.3	376.1	379.0
25°	604.9	588.2	514.6	423.2	366.3	343.7	355.5	379.0	420.3	441.9	439.9
27.5°	734.5	706.0	609.8	492.0	407.5	372.2	389.8	428.1	471.3	498.8	496.9
30°	854.3	829.8	701.1	554.8	442.9	399.7	418.3	467.4	517.5	550.9	552.9
32.5°	1034.0	988.8	808.2	608.8	471.3	422.2	439.9	499.8	557.8	598.0	597.0
35°	1219.6	1168.6	926.0	671.7	495.9	437.0	455.6	523.4	587.2	635.3	636.3
37.5°	1415.0	1343.3	1031.1	712.9	515.5	445.8	464.5	540.1	621.6	676.6	678.5
40°	1546.6	1465.1	1094.9	734.5	521.4	451.7	472.3	551.9	627.5	667.7	671.7
42.5°	1693.9	1579.0	1128.3	716.8	514.6	450.7	474.3	543.0	602.0	630.4	633.4
45°	1897.2	1743.0	1164.6	689.3	495.9	447.8	466.4	519.5	557.8	568.6	568.6
47.5°	2161.3	1942.3	1225.5	659.9	476.3	438.9	452.7	487.1	501.8	499.8	494.9
50°	2478.5	2225.2	1299.2	634.4	457.6	428.1	437.0	456.6	461.5	455.6	452.7
52.5°	2794.7	2453.0	1350.2	611.8	445.8	418.3	424.2	438.9	438.9	421.3	418.3
55°	3084.4	2659.2	1336.5	568.6	437.0	413.4	419.3	430.1	421.3	400.6	396.7
57.5°	3552.8	3015.6	1371.8	526.3	424.2	412.4	420.3	427.2	414.4	394.8	390.8
60°	3636.3	3000.9	1288.4	499.8	415.4	415.4	424.2	432.1	423.2	405.6	404.6
62.5°	3752.1	3014.7	1161.7	461.5	409.5	417.3	433.1	444.8	443.9	431.1	429.1
64°	3833.6	3034.3	1116.5	443.9	404.6	417.3	439.9	457.6	457.6	442.9	442.9
65°	3753.1	2959.7	1083.1	435.0	399.7	417.3	443.9	465.5	463.5	451.7	449.7
67.5°	3509.6	2717.1	941.7	415.4	388.9	417.3	454.7	478.2	481.2	471.3	467.4
70°	3212.0	2452.0	819.0	392.8	378.1	412.4	454.7	486.1	491.0	480.2	477.2
72.5°	2617.9	1971.8	675.6	368.2	362.3	400.6	448.8	482.1	487.1	474.3	470.4
75°	2194.7	1610.4	559.7	344.7	345.7	385.9	434.0	464.5	464.5	450.7	444.8
77.5°	1807.8	1300.1	463.5	322.1	326.0	367.3	407.5	427.2	421.3	408.5	400.6
80°	1354.1	982.0	382.0	297.5	301.5	336.8	370.2	384.0	378.1	362.3	360.4
82.5°	990.8	706.0	326.0	272.0	275.0	303.4	328.0	339.8	344.7	331.9	328.0
85°	651.0	497.9	279.9	246.5	248.4	270.0	285.8	295.6	306.4	302.4	300.5
87.5°	425.2	344.7	236.7	217.0	219.0	236.7	247.5	257.3	278.9	281.8	277.9
90°	285.8	241.6	195.4	187.6	190.5	205.2	211.1	220.9	244.5	248.4	248.4
92.5°	191.5	172.8	158.1	158.1	163.0	175.8	176.8	179.7	199.3	204.3	202.3
95°	134.5	128.6	127.7	129.6	135.5	145.3	140.4	138.5	151.2	152.2	150.2
97.5°	103.1	101.1	103.1	106.1	109.0	118.8	113.9	109.0	114.9	112.9	114.9
100°	82.5	81.5	84.4	84.4	87.4	96.2	92.3	89.4	90.3	86.4	86.4
102.5°	65.8	65.8	68.7	69.7	71.7	78.6	77.6	74.6	72.7	68.7	69.7
105°	51.1	52.0	56.0	57.0	59.9	65.8	64.8	60.9	58.9	54.0	55.0
107.5°	41.2	43.2	46.2	47.1	50.1	55.0	53.0	49.1	46.2	44.2	44.2



REPORT NUMBER: P417143

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.4	35.4	38.3	39.3	42.2	46.2	45.2	40.3	36.3	35.4	36.3
112.5°	28.5	30.4	32.4	33.4	36.3	39.3	36.3	32.4	29.5	30.4	30.4
115°	24.5	25.5	27.5	28.5	30.4	33.4	30.4	26.5	24.5	25.5	26.5
117.5°	22.6	23.6	24.5	24.5	26.5	28.5	25.5	22.6	21.6	22.6	23.6
120°	19.6	20.6	21.6	22.6	23.6	24.5	22.6	19.6	18.7	20.6	20.6
122.5°	17.7	18.7	18.7	19.6	20.6	21.6	19.6	17.7	16.7	17.7	18.7
125°	15.7	16.7	17.7	17.7	18.7	18.7	17.7	15.7	15.7	16.7	16.7
127.5°	14.7	15.7	15.7	16.7	16.7	16.7	15.7	13.7	14.7	15.7	15.7
130°	14.7	14.7	14.7	14.7	14.7	14.7	13.7	12.8	13.7	14.7	14.7
132.5°	13.7	13.7	13.7	13.7	13.7	12.8	11.8	11.8	12.8	13.7	13.7
135°	12.8	12.8	11.8	11.8	11.8	11.8	10.8	10.8	10.8	11.8	11.8
137.5°	10.8	10.8	9.8	9.8	9.8	9.8	8.8	8.8	9.8	10.8	10.8
140°	8.8	8.8	7.9	7.9	7.9	7.9	7.9	7.9	8.8	8.8	9.8
142.5°	6.9	6.9	6.9	5.9	5.9	6.9	6.9	6.9	7.9	7.9	7.9
145°	5.9	5.9	5.9	4.9	4.9	5.9	5.9	5.9	6.9	6.9	6.9
147.5°	4.9	4.9	4.9	3.9	2.9	4.9	4.9	4.9	5.9	4.9	4.9
150°	4.9	4.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9
152.5°	3.9	3.9	3.9	2.9	2.0	2.0	2.9	3.9	2.9	2.9	2.9
155°	3.9	3.9	2.9	2.9	2.0	1.0	2.0	2.9	2.0	2.0	2.0
157.5°	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
160°	2.9	2.9	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)