

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: P417230

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417230
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-PA1-90-750-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 9735 lumens
Efficiency: N/A
Efficacy: 103.6 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: B3 - U3 - G3

Input Watts (W): 94
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

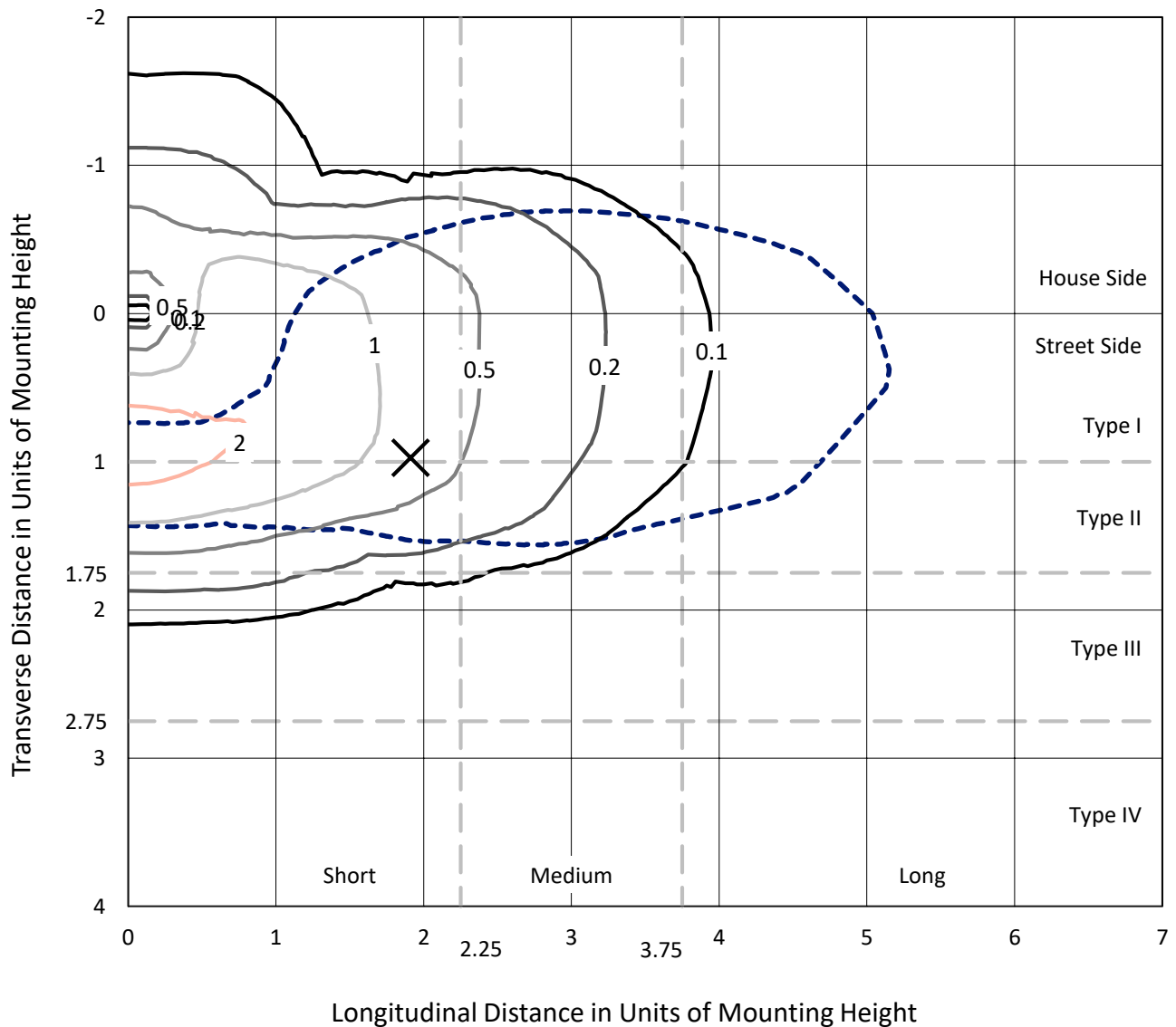


REPORT NUMBER: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

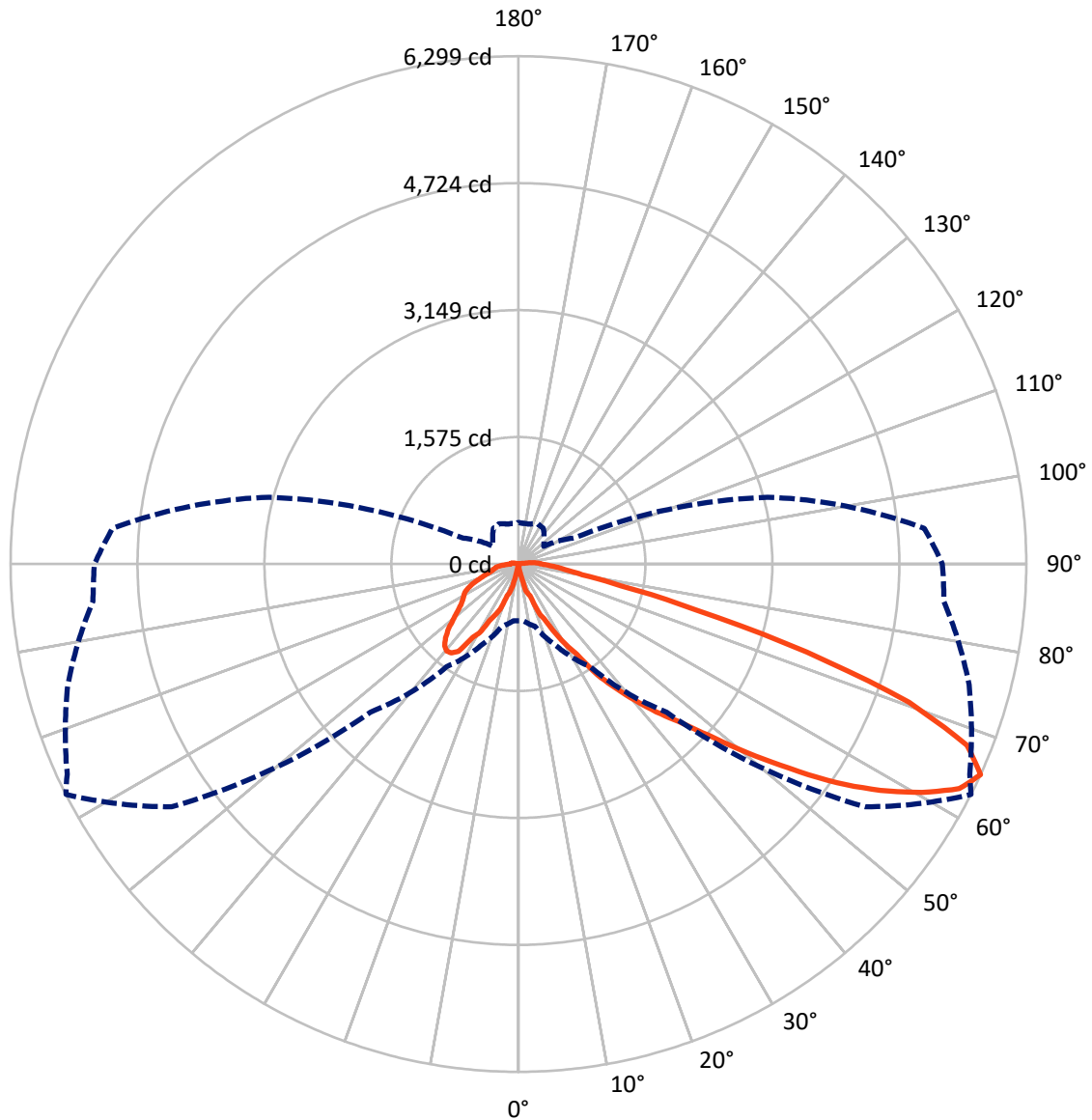


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

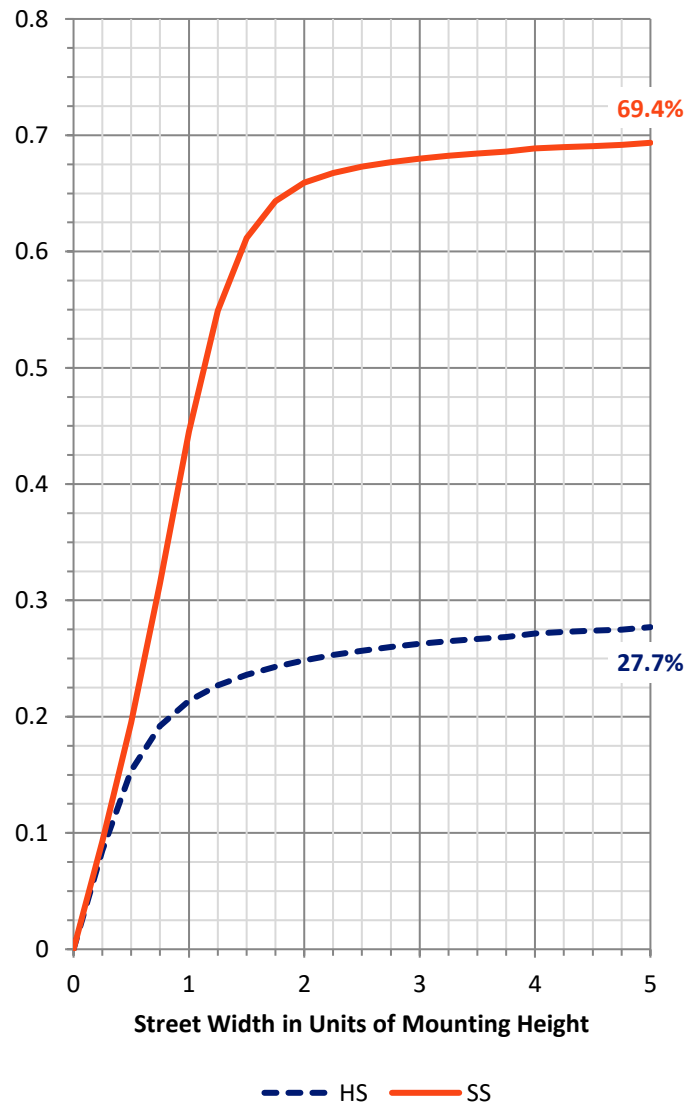
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2770.5	80.4	2850.9
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	6809.2	74.9	6884.1
	% Fixture	69.9	0.8	70.7
Total	Lumens	9579.7	155.3	9735.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	87.4	0.9
20°-30°	357.7	3.7
30°-40°	929.3	9.5
40°-50°	1767.0	18.2
50°-60°	2378.7	24.4
60°-70°	2253.5	23.1
70°-80°	1412.1	14.5
80°-90°	387.8	4.0
90°-100°	108.5	1.1
100°-110°	20.2	0.2
110°-120°	9.8	0.1
120°-130°	7.1	0.1
130°-140°	4.6	0.0
140°-150°	3.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9579.7	98.4
0°-180°	9735.0	100.0



REPORT NUMBER: P417230

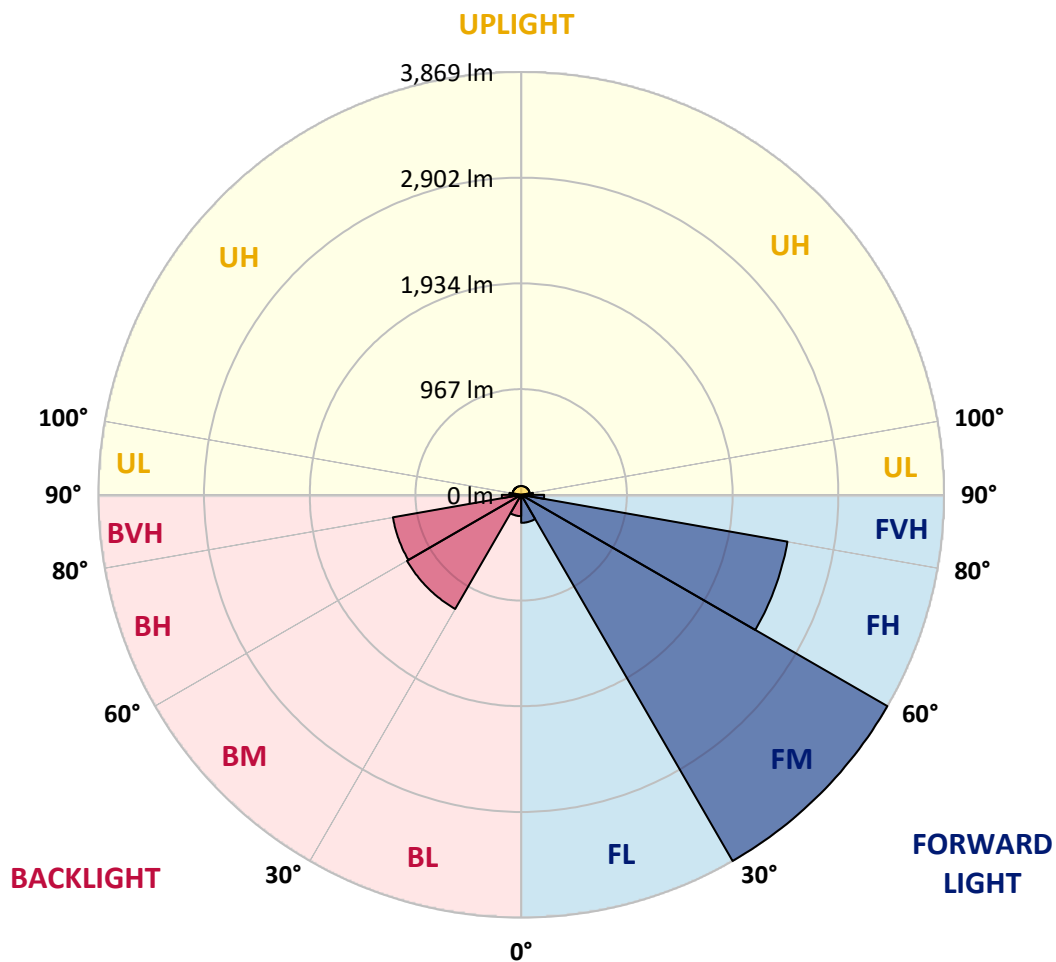
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.2	2.6			
FM	(30°-60°)	3868.8	39.7			
FH	(60°-80°)	2473.9	25.4			G2/5000
FVH	(80°-90°)	210.3	2.2			G2/225
BL	(0°-30°)	195.1	2.0	B1/500		
BM	(30°-60°)	1206.2	12.4	B2/2500		
BH	(60°-80°)	1191.7	12.2	B3/2500		G3/2500
BVH	(80°-90°)	177.4	1.8			G2/225
UL	(90°-100°)	108.5	1.1		U3/500	
UH	(100°-180°)	80.4	0.8		U3/500	

BUG Rating: B3-U3-G3

Type II Short





REPORT NUMBER: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	12.9	11.9	12.9	12.9	11.9	10.8	9.7	8.6	7.5	5.4	4.3
5°	152.0	153.1	150.9	147.7	52.8	23.7	14.0	10.8	9.7	6.5	5.4
7.5°	174.7	173.6	172.5	170.4	162.8	153.1	83.0	19.4	15.1	8.6	5.4
10°	191.9	189.8	184.4	183.3	175.7	170.4	157.4	101.3	85.2	15.1	10.8
12.5°	349.3	341.8	335.3	277.1	194.1	183.3	175.7	153.1	149.9	96.0	143.4
15°	365.5	366.6	362.3	355.8	340.7	228.6	284.6	345.0	343.9	297.6	293.3
17.5°	415.1	411.9	395.7	379.5	374.1	406.5	403.2	384.9	384.9	340.7	322.4
20°	641.5	636.1	626.4	521.8	464.7	525.1	492.7	429.1	431.3	526.2	571.4
22.5°	742.9	740.7	721.3	674.9	657.7	579.0	649.1	671.7	658.8	666.3	638.3
25°	1016.7	1005.9	920.8	838.8	848.5	781.7	780.6	766.6	759.0	725.6	776.3
27.5°	1293.8	1285.2	1265.8	1150.4	980.1	942.3	882.0	962.8	941.3	1018.9	1036.1
30°	1714.3	1635.6	1471.7	1394.1	1338.0	1158.0	1140.7	1165.5	1159.1	1137.5	1118.1
32.5°	2152.1	2119.7	2023.8	1740.2	1562.3	1458.8	1408.1	1331.6	1296.0	1527.8	1544.0
35°	2609.2	2579.0	2344.0	2179.0	1873.9	1705.7	1677.7	1688.4	1641.0	1754.2	1727.3
37.5°	3413.5	3398.4	3162.3	2650.2	2331.0	2002.2	1963.4	1950.4	1876.0	1958.0	1959.1
40°	3930.0	3905.2	3644.3	3266.9	2752.6	2478.8	2290.1	2215.7	2196.3	2200.6	2201.7
42.5°	4313.8	4273.9	4121.9	3774.7	3237.8	2916.5	2650.2	2506.8	2545.6	2470.1	2465.8
45°	4562.9	4541.3	4403.3	4113.3	3741.3	3581.7	3110.6	2787.1	2917.6	2782.8	2776.3
47.5°	4619.0	4609.2	4513.3	4367.7	4212.5	4145.6	3665.8	3170.9	3290.6	3231.3	3110.6
50°	4375.3	4383.9	4348.3	4401.2	4570.4	4647.0	4251.3	3679.9	3745.6	3604.4	3450.2
52.5°	3842.7	3841.6	3971.0	4204.9	4702.0	5008.2	4793.6	4209.2	4206.0	3950.5	3775.8
55°	3084.7	3142.9	3361.8	3725.1	4521.9	5174.2	5307.9	4791.5	4700.9	4354.8	4065.8
57.5°	2350.4	2425.9	2694.4	3024.3	4009.8	5056.7	5682.0	5297.1	5203.3	4719.2	4373.1
60°	1590.3	1619.4	1958.0	2339.7	3189.3	4604.9	5857.8	5753.2	5649.7	5091.2	4683.6
62.5°	1059.9	1085.7	1279.8	1744.5	2286.8	3742.4	5744.6	6138.1	6001.2	5531.1	5008.2
65°	705.1	705.1	801.1	1122.4	1555.8	2598.4	5248.6	6298.8	6174.8	5785.6	5296.1
67.5°	519.7	528.3	559.6	723.5	1059.9	1554.7	4174.7	6002.3	6015.2	5814.7	5387.7
70°	471.2	476.6	503.5	545.6	756.9	925.1	2759.1	5141.9	5365.1	5594.7	5270.2
72.5°	411.9	414.0	457.2	502.4	596.2	709.4	1604.3	3737.0	4206.0	5116.0	4946.7
75°	345.0	348.3	382.8	450.7	515.4	595.2	853.9	2275.0	2741.8	4392.5	4518.7
77.5°	280.3	287.9	315.9	368.7	473.3	499.2	655.5	1300.3	1588.2	3271.2	3820.0
80°	215.6	223.2	248.0	290.0	387.1	441.0	544.5	800.0	962.8	2033.5	2669.6
82.5°	147.7	153.1	177.9	209.2	277.1	367.7	450.7	589.8	637.2	1112.7	1472.8
85°	104.6	107.8	124.0	138.0	172.5	241.5	376.3	467.9	480.9	589.8	599.5
87.5°	59.3	58.2	60.4	70.1	78.7	93.8	222.1	342.9	359.0	410.8	381.7
90°	41.0	39.9	33.4	32.3	36.7	39.9	126.1	272.8	286.8	331.0	339.6
92.5°	43.1	41.0	32.3	30.2	34.5	36.7	84.1	238.3	268.5	331.0	349.3
95°	41.0	38.8	29.1	25.9	31.3	32.3	51.8	163.9	211.3	309.4	341.8
97.5°	35.6	33.4	23.7	21.6	25.9	25.9	29.1	75.5	103.5	144.5	162.8
100°	29.1	27.0	19.4	17.3	18.3	19.4	18.3	37.7	37.7	39.9	31.3
102.5°	25.9	24.8	16.2	14.0	12.9	12.9	11.9	18.3	19.4	21.6	27.0
105°	22.6	21.6	14.0	11.9	9.7	9.7	8.6	11.9	12.9	18.3	25.9
107.5°	16.2	16.2	11.9	9.7	8.6	8.6	6.5	9.7	10.8	16.2	27.0
110°	10.8	10.8	8.6	8.6	7.5	8.6	6.5	9.7	9.7	12.9	20.5



REPORT NUMBER: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	8.6	8.6	7.5	6.5	5.4	6.5	7.5	8.6	8.6	9.7	12.9
115°	8.6	7.5	6.5	5.4	4.3	5.4	5.4	7.5	7.5	9.7	12.9
117.5°	8.6	8.6	6.5	5.4	4.3	4.3	5.4	6.5	6.5	9.7	14.0
120°	8.6	8.6	6.5	5.4	4.3	3.2	4.3	6.5	6.5	8.6	12.9
122.5°	8.6	8.6	6.5	5.4	4.3	3.2	4.3	5.4	5.4	7.5	12.9
125°	9.7	9.7	7.5	5.4	4.3	3.2	4.3	4.3	4.3	7.5	11.9
127.5°	9.7	9.7	7.5	5.4	4.3	3.2	4.3	4.3	4.3	6.5	9.7
130°	9.7	9.7	7.5	5.4	4.3	3.2	4.3	3.2	3.2	5.4	8.6
132.5°	9.7	8.6	7.5	6.5	5.4	4.3	4.3	3.2	3.2	3.2	6.5
135°	8.6	8.6	7.5	6.5	5.4	4.3	4.3	3.2	3.2	3.2	4.3
137.5°	8.6	8.6	8.6	7.5	6.5	5.4	4.3	3.2	3.2	3.2	3.2
140°	9.7	9.7	9.7	8.6	6.5	5.4	4.3	3.2	3.2	3.2	3.2
142.5°	10.8	10.8	10.8	9.7	6.5	5.4	5.4	3.2	3.2	3.2	3.2
145°	11.9	11.9	11.9	9.7	6.5	5.4	5.4	4.3	4.3	3.2	4.3
147.5°	12.9	12.9	11.9	9.7	5.4	4.3	4.3	4.3	4.3	4.3	4.3
150°	11.9	10.8	10.8	7.5	4.3	2.2	3.2	3.2	3.2	4.3	4.3
152.5°	8.6	8.6	7.5	5.4	3.2	1.1	2.2	2.2	3.2	3.2	3.2
155°	5.4	5.4	4.3	3.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	4.3	4.3	5.4	6.5	6.5	7.5	7.5	7.5	7.5	7.5	7.5
5°	4.3	4.3	5.4	6.5	7.5	8.6	9.7	9.7	9.7	10.8	10.8
7.5°	5.4	5.4	5.4	7.5	8.6	11.9	32.3	97.0	149.9	154.2	156.3
10°	10.8	10.8	10.8	10.8	23.7	138.0	171.4	179.0	183.3	186.5	186.5
12.5°	144.5	143.4	51.8	25.9	118.6	179.0	189.8	195.2	199.5	202.7	203.8
15°	293.3	294.3	294.3	297.6	215.6	195.2	205.9	304.0	360.1	370.9	375.2
17.5°	321.3	321.3	320.2	356.9	401.1	317.0	353.6	386.0	396.8	402.2	404.3
20°	586.5	585.5	472.2	409.7	423.7	526.2	395.7	410.8	419.4	500.3	502.4
22.5°	646.9	643.7	629.7	632.9	499.2	569.3	542.3	526.2	576.8	574.7	576.8
25°	794.6	717.0	686.8	680.3	723.5	591.9	628.6	544.5	557.4	555.3	557.4
27.5°	1040.5	1012.4	942.3	796.8	770.9	731.0	629.7	571.4	642.6	658.8	660.9
30°	1115.9	1080.3	1005.9	1012.4	859.3	743.9	613.5	632.9	608.1	605.9	601.6
32.5°	1529.9	1483.6	1371.5	1104.1	957.4	698.7	616.7	575.8	588.7	631.8	634.0
35°	1704.6	1651.8	1573.1	1409.2	928.3	685.7	563.9	561.7	570.4	571.4	569.3
37.5°	1903.0	1834.0	1759.6	1484.7	969.3	621.0	526.2	527.2	546.6	584.4	580.1
40°	2133.7	2057.2	1936.4	1528.9	870.1	582.2	501.4	517.5	538.0	529.4	521.8
42.5°	2393.6	2268.5	2078.7	1520.2	756.9	536.9	494.9	505.7	502.4	486.3	481.9
45°	2662.0	2529.4	2217.8	1448.0	654.5	507.8	483.0	486.3	473.3	452.8	448.5
47.5°	2971.5	2796.8	2296.5	1342.3	572.5	505.7	479.8	469.0	444.2	425.9	424.8
50°	3283.1	3092.2	2419.5	1201.1	511.1	497.0	487.3	464.7	434.5	416.2	414.0
52.5°	3588.2	3421.1	2552.1	1082.5	464.7	487.3	490.6	466.9	434.5	407.6	406.5
55°	3894.4	3747.8	2695.5	988.7	433.4	486.3	502.4	473.3	441.0	401.1	400.0
57.5°	4201.7	4059.4	2833.5	926.2	419.4	472.2	510.0	493.8	458.2	424.8	427.0
60°	4566.1	4397.9	2996.3	882.0	414.0	464.7	516.5	517.5	469.0	431.3	436.7
62.5°	4924.1	4753.7	3134.3	841.0	400.0	457.2	519.7	535.9	492.7	460.4	465.8
65°	5257.2	5054.5	3197.9	762.3	382.8	448.5	539.1	552.0	511.1	507.8	514.3
67.5°	5384.5	5195.8	3135.4	664.2	372.0	448.5	559.6	574.7	530.5	547.7	565.0
70°	5261.6	5104.1	2978.0	541.2	375.2	451.8	562.8	585.5	558.5	572.5	587.6
72.5°	4879.9	4679.3	2595.2	435.6	375.2	447.4	548.8	568.2	547.7	594.1	609.2
75°	4397.9	4048.6	2065.8	359.0	364.4	445.3	516.5	539.1	518.6	567.1	583.3
77.5°	3632.4	3185.0	1428.6	317.0	349.3	425.9	483.0	487.3	466.9	496.0	503.5
80°	2561.8	2146.7	904.6	286.8	334.2	384.9	428.0	420.5	400.0	405.4	411.9
82.5°	1428.6	1135.3	527.2	264.2	313.8	320.2	350.4	352.6	325.6	326.7	327.8
85°	567.1	525.1	356.9	222.1	253.4	230.7	262.0	272.8	246.9	216.7	210.2
87.5°	376.3	356.9	249.1	152.0	155.3	130.5	170.4	176.8	145.6	126.1	125.1
90°	358.0	347.2	214.6	102.4	86.3	71.2	94.9	91.6	70.1	61.5	62.5
92.5°	368.7	362.3	217.8	98.1	84.1	67.9	84.1	72.2	52.8	46.4	47.4
95°	363.3	360.1	212.4	96.0	79.8	62.5	71.2	58.2	41.0	36.7	36.7
97.5°	172.5	182.2	131.5	86.3	71.2	52.8	55.0	44.2	29.1	27.0	25.9
100°	25.9	41.0	71.2	79.8	52.8	36.7	35.6	29.1	18.3	17.3	17.3
102.5°	27.0	29.1	44.2	55.0	29.1	19.4	19.4	17.3	14.0	16.2	16.2
105°	29.1	27.0	25.9	30.2	17.3	11.9	10.8	10.8	11.9	17.3	18.3
107.5°	31.3	29.1	20.5	16.2	12.9	10.8	8.6	7.5	10.8	18.3	19.4
110°	23.7	22.6	17.3	12.9	12.9	11.9	7.5	7.5	11.9	19.4	21.6



REPORT NUMBER: P417230

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	16.2	15.1	11.9	10.8	10.8	7.5	7.5	11.9	20.5	22.6
115°	15.1	15.1	12.9	9.7	8.6	8.6	7.5	6.5	11.9	21.6	22.6
117.5°	15.1	15.1	12.9	9.7	7.5	6.5	6.5	6.5	11.9	21.6	22.6
120°	15.1	15.1	12.9	8.6	7.5	6.5	6.5	6.5	11.9	20.5	22.6
122.5°	14.0	14.0	11.9	8.6	6.5	6.5	6.5	6.5	11.9	19.4	20.5
125°	12.9	12.9	10.8	7.5	6.5	5.4	6.5	6.5	10.8	17.3	18.3
127.5°	10.8	11.9	9.7	7.5	6.5	5.4	6.5	6.5	9.7	15.1	16.2
130°	9.7	9.7	8.6	6.5	5.4	5.4	6.5	6.5	9.7	14.0	15.1
132.5°	7.5	7.5	6.5	6.5	5.4	5.4	5.4	5.4	7.5	11.9	11.9
135°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5	8.6	9.7
137.5°	4.3	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.5	7.5
140°	3.2	4.3	4.3	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5
142.5°	3.2	4.3	4.3	5.4	5.4	5.4	5.4	5.4	6.5	7.5	7.5
145°	4.3	4.3	5.4	5.4	5.4	4.3	5.4	5.4	6.5	7.5	7.5
147.5°	4.3	4.3	5.4	5.4	5.4	4.3	4.3	5.4	6.5	7.5	7.5
150°	4.3	4.3	5.4	5.4	4.3	3.2	4.3	4.3	5.4	7.5	7.5
152.5°	4.3	4.3	4.3	4.3	3.2	2.2	3.2	3.2	4.3	5.4	5.4
155°	3.2	3.2	3.2	3.2	3.2	2.2	2.2	2.2	3.2	3.2	4.3
157.5°	2.2	2.2	2.2	3.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2
160°	1.1	1.1	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1
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)