

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: P694908

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3523 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

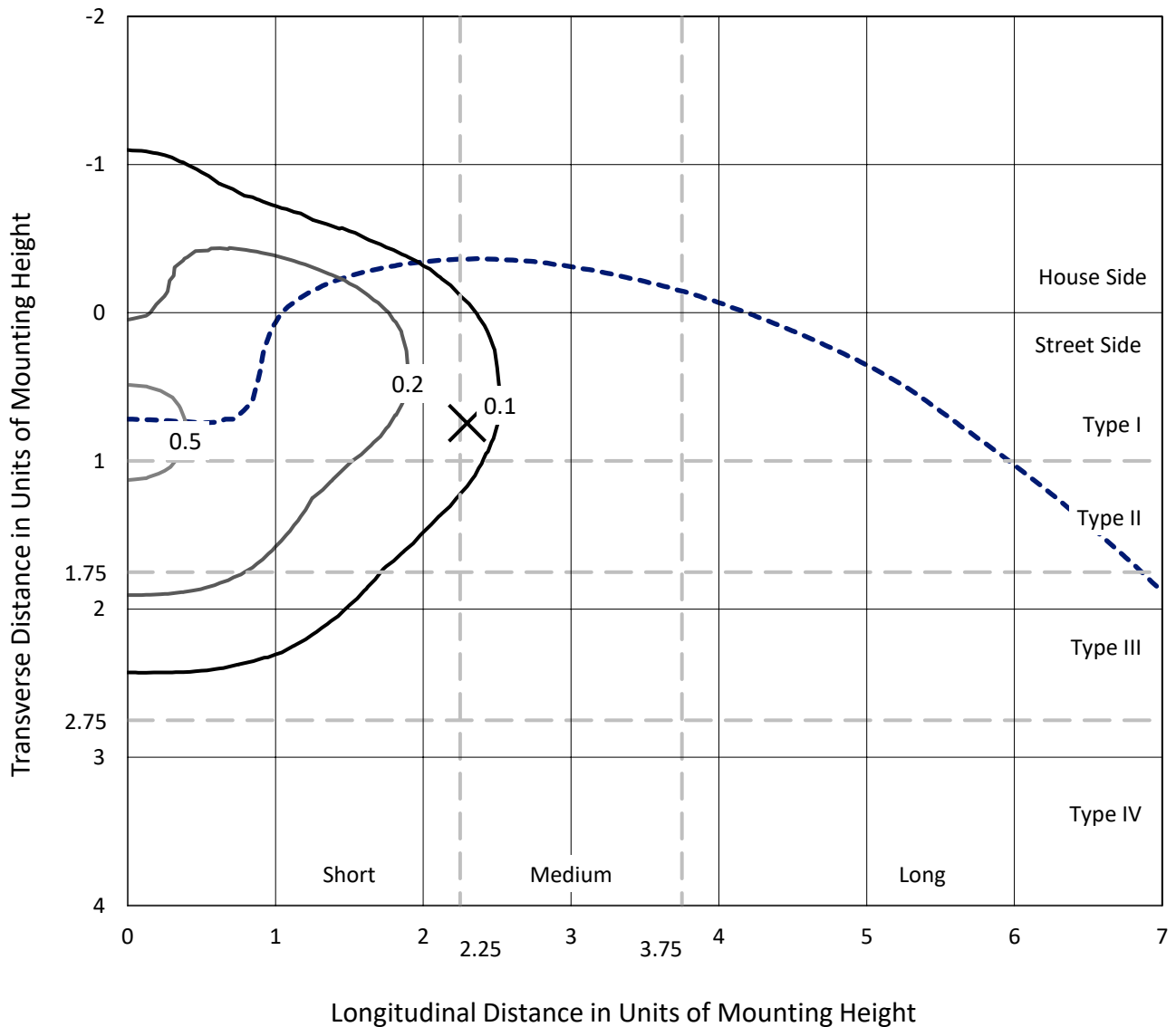
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

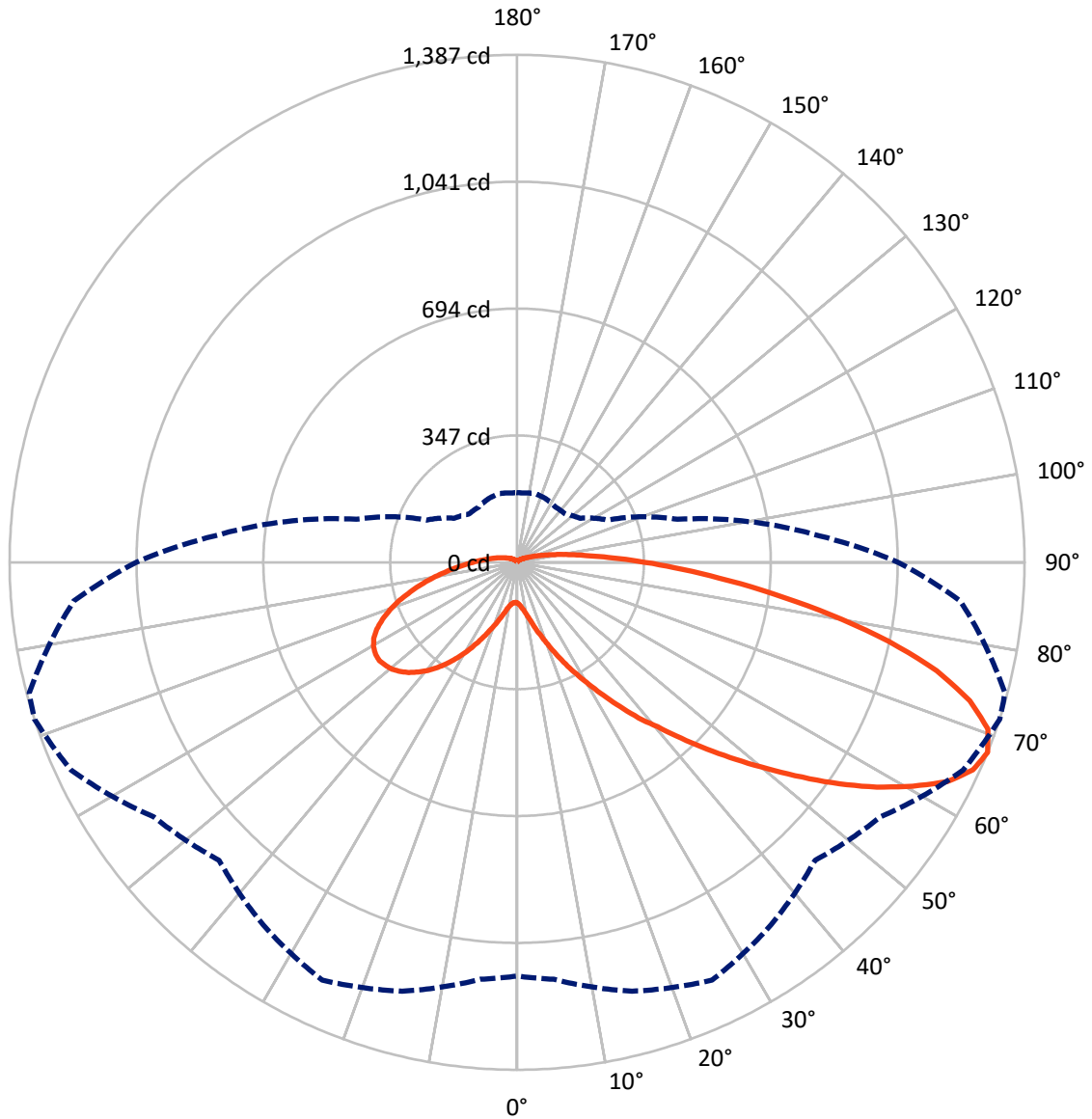
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P694908
CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

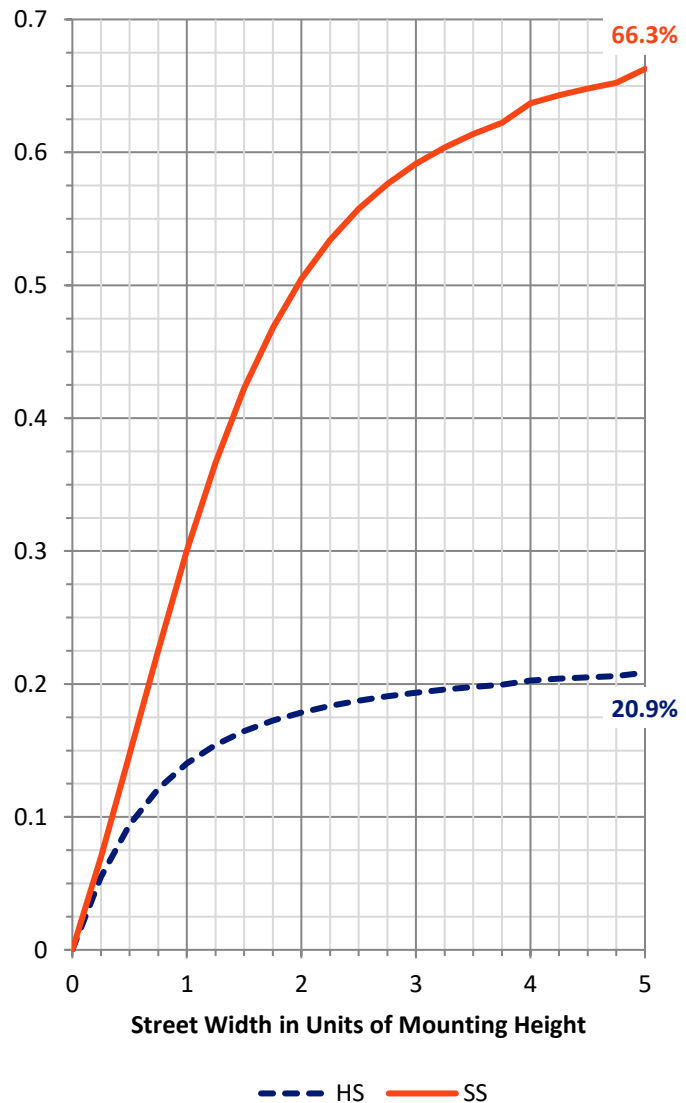
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	778.2	104.3	882.5
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	2466.6	173.9	2640.5
	% Fixture	70.0	4.9	75.0
Total	Lumens	3244.8	278.2	3523.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.3
10°-20°	48.3	1.4
20°-30°	123.7	3.5
30°-40°	248.5	7.1
40°-50°	418.3	11.9
50°-60°	617.9	17.5
60°-70°	761.3	21.6
70°-80°	657.3	18.7
80°-90°	357.6	10.2
90°-100°	152.0	4.3
100°-110°	66.6	1.9
110°-120°	32.1	0.9
120°-130°	16.3	0.5
130°-140°	8.0	0.2
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3244.8	92.1
0°-180°	3523.0	100.0

Coefficient of Utilization

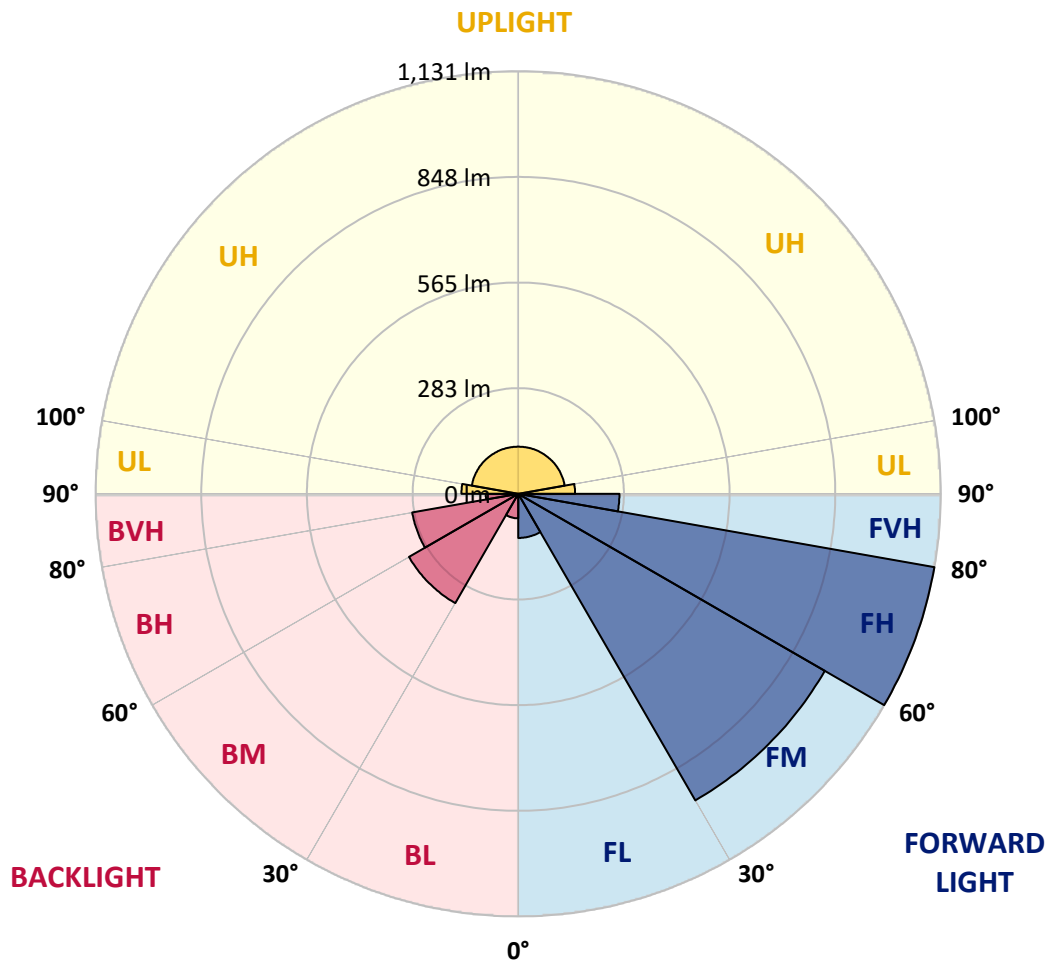


REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.1	3.4			
FM (30°-60°)	947.2	26.9			
FH (60°-80°)	1130.6	32.1			G1/1800
FVH (80°-90°)	270.7	7.7			G3/500
BL (0°-30°)	65.6	1.9	B0/110		
BM (30°-60°)	337.6	9.6	B1/1000		
BH (60°-80°)	288.0	8.2	B1/500		G1/500
BVH (80°-90°)	87.0	2.5			G1/100
UL (90°-100°)	152.0	4.3		U3/500	
UH (100°-180°)	126.2	3.6		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	121.7	121.7	121.7	120.4	119.1	119.1	117.8	116.5	115.2	113.9	112.6
5°	135.9	135.9	134.6	134.6	132.0	130.7	128.1	124.2	122.9	121.7	117.8
7.5°	154.0	154.0	151.4	151.4	147.5	144.9	141.1	135.9	132.0	130.7	125.5
10°	174.7	173.4	173.4	169.5	165.7	163.1	156.6	150.1	146.2	143.7	137.2
12.5°	201.9	200.6	198.0	194.1	189.0	182.5	176.0	169.5	163.1	160.5	152.7
15°	231.7	231.7	229.1	222.6	216.1	207.1	199.3	191.5	186.4	183.8	173.4
17.5°	266.6	265.3	262.7	255.0	244.6	235.5	226.5	217.4	211.0	208.4	196.7
20°	309.3	308.0	300.3	288.6	279.5	266.6	255.0	244.6	239.4	236.8	223.9
22.5°	355.9	353.3	345.5	331.3	313.2	300.3	287.3	277.0	271.8	267.9	256.3
25°	409.0	405.1	394.7	372.7	352.0	333.9	321.0	310.6	308.0	305.4	289.9
27.5°	467.2	464.6	450.4	423.2	394.7	374.0	357.2	350.7	345.5	343.0	326.1
30°	534.5	530.6	508.6	477.6	440.0	410.3	394.7	390.8	387.0	388.3	372.7
32.5°	600.5	600.5	573.3	531.9	485.3	450.4	432.3	434.8	433.6	433.6	415.4
35°	671.7	673.0	639.3	594.0	533.2	493.1	475.0	481.4	484.0	482.7	464.6
37.5°	746.8	744.2	710.5	653.6	583.7	534.5	519.0	528.0	539.7	535.8	519.0
40°	829.6	824.4	792.0	718.3	639.3	579.8	565.6	583.7	591.4	596.6	573.3
42.5°	904.6	902.1	864.5	788.2	695.0	627.7	612.2	636.7	657.5	658.7	635.4
45°	978.4	973.2	942.2	856.8	749.3	682.0	669.1	704.0	728.6	731.2	705.3
47.5°	1045.7	1045.7	1010.8	926.6	816.6	736.4	727.3	773.9	805.0	807.6	779.1
50°	1115.6	1113.0	1083.2	997.8	880.1	795.9	792.0	851.6	886.5	890.4	852.9
52.5°	1167.4	1167.4	1148.0	1067.7	940.9	854.2	860.6	930.5	975.8	986.2	937.0
55°	1212.7	1214.0	1201.0	1128.5	1010.8	917.6	926.6	1014.6	1069.0	1083.2	1021.1
57.5°	1242.4	1243.7	1247.6	1190.7	1071.6	975.8	999.1	1103.9	1159.6	1171.2	1101.4
60°	1254.1	1258.0	1276.1	1238.5	1125.9	1036.6	1067.7	1184.2	1242.4	1255.4	1166.1
62.5°	1242.4	1248.9	1285.1	1272.2	1175.1	1088.4	1129.8	1258.0	1320.1	1325.3	1217.8
65°	1207.5	1215.2	1264.4	1280.0	1203.6	1129.8	1184.2	1314.9	1369.3	1370.6	1234.7
67.5°	1131.1	1144.1	1214.0	1260.5	1210.1	1151.8	1212.7	1344.7	1387.4	1380.9	1216.5
70°	1037.9	1048.3	1128.5	1203.6	1186.8	1148.0	1216.5	1338.2	1365.4	1349.8	1155.7
72.5°	908.5	920.2	1014.6	1113.0	1127.2	1116.9	1184.2	1294.2	1294.2	1270.9	1061.2
75°	768.8	790.8	874.9	991.4	1043.1	1048.3	1120.8	1203.6	1185.5	1151.8	927.9
77.5°	632.9	640.6	723.5	852.9	920.2	951.2	1015.9	1071.6	1039.2	999.1	786.9
80°	503.4	509.9	585.0	704.0	789.5	842.5	895.6	913.7	868.4	828.3	641.9
82.5°	390.8	398.6	465.9	570.7	656.2	709.2	753.2	757.1	704.0	667.8	511.2
85°	293.8	301.5	358.5	451.7	531.9	587.6	614.7	612.2	553.9	524.1	396.0
87.5°	227.8	226.5	273.1	346.8	421.9	465.9	486.6	469.8	429.7	403.8	304.1
90°	169.5	174.7	211.0	270.5	328.7	366.3	383.1	363.7	330.0	309.3	234.2
92.5°	130.7	133.3	165.7	211.0	260.1	292.5	304.1	282.1	249.8	238.1	179.9
95°	102.2	104.8	128.1	165.7	201.9	226.5	233.0	216.1	190.2	181.2	139.8
97.5°	82.8	84.1	100.9	132.0	160.5	179.9	182.5	165.7	148.8	138.5	110.0
100°	66.0	66.0	81.5	104.8	126.8	142.4	141.1	130.7	116.5	108.7	85.4
102.5°	54.4	54.4	66.0	86.7	103.5	115.2	115.2	102.2	90.6	84.1	67.3
105°	45.3	45.3	54.4	69.9	85.4	94.5	93.2	82.8	71.2	66.0	53.1
107.5°	38.8	38.8	45.3	58.2	69.9	77.7	76.4	66.0	56.9	53.1	44.0
110°	33.6	33.6	38.8	49.2	59.5	64.7	63.4	53.1	45.3	42.7	36.2

REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	28.5	29.8	32.4	41.4	50.5	55.7	53.1	44.0	36.2	33.6	31.1
115°	25.9	25.9	28.5	34.9	42.7	46.6	44.0	36.2	29.8	28.5	25.9
117.5°	23.3	23.3	25.9	31.1	37.5	40.1	37.5	29.8	25.9	23.3	22.0
120°	20.7	20.7	22.0	27.2	31.1	33.6	31.1	24.6	20.7	20.7	19.4
122.5°	19.4	19.4	20.7	23.3	27.2	28.5	25.9	20.7	18.1	18.1	18.1
125°	16.8	18.1	18.1	20.7	23.3	24.6	22.0	18.1	15.5	15.5	15.5
127.5°	15.5	15.5	16.8	18.1	19.4	20.7	18.1	15.5	14.2	12.9	14.2
130°	14.2	14.2	14.2	15.5	16.8	16.8	15.5	12.9	11.6	11.6	12.9
132.5°	12.9	12.9	12.9	12.9	14.2	14.2	12.9	10.4	10.4	10.4	11.6
135°	11.6	11.6	11.6	11.6	11.6	11.6	10.4	9.1	9.1	9.1	10.4
137.5°	10.4	10.4	10.4	10.4	9.1	9.1	7.8	7.8	7.8	7.8	9.1
140°	9.1	9.1	9.1	7.8	7.8	6.5	6.5	6.5	6.5	6.5	7.8
142.5°	7.8	7.8	7.8	6.5	5.2	5.2	5.2	5.2	5.2	5.2	6.5
145°	6.5	6.5	5.2	5.2	3.9	3.9	3.9	3.9	3.9	3.9	5.2
147.5°	5.2	5.2	3.9	3.9	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	3.9	3.9	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	112.6	111.3	110.0	108.7	107.4	107.4	106.1	104.8	104.8	104.8	103.5
5°	116.5	113.9	111.3	108.7	104.8	103.5	100.9	99.7	98.4	97.1	97.1
7.5°	122.9	120.4	115.2	110.0	106.1	102.2	98.4	95.8	94.5	93.2	93.2
10°	133.3	129.4	121.7	115.2	108.7	103.5	99.7	95.8	94.5	93.2	91.9
12.5°	147.5	143.7	133.3	122.9	115.2	107.4	102.2	98.4	95.8	94.5	94.5
15°	168.2	161.8	148.8	135.9	124.2	115.2	108.7	104.8	103.5	102.2	102.2
17.5°	190.2	181.2	167.0	150.1	137.2	125.5	117.8	115.2	112.6	111.3	111.3
20°	216.1	205.8	187.7	167.0	150.1	138.5	129.4	124.2	121.7	120.4	120.4
22.5°	244.6	235.5	209.7	186.4	165.7	152.7	139.8	133.3	130.7	129.4	130.7
25°	278.3	265.3	235.5	207.1	182.5	164.4	151.4	142.4	141.1	139.8	141.1
27.5°	315.8	299.0	264.0	226.5	198.0	176.0	161.8	152.7	151.4	150.1	151.4
30°	355.9	340.4	293.8	249.8	213.5	186.4	170.8	163.1	160.5	161.8	160.5
32.5°	399.9	375.3	323.5	270.5	226.5	194.1	177.3	170.8	170.8	172.1	172.1
35°	447.8	420.6	353.3	289.9	236.8	201.9	183.8	178.6	178.6	181.2	181.2
37.5°	495.7	463.3	383.1	305.4	244.6	205.8	189.0	185.1	185.1	189.0	189.0
40°	547.4	508.6	410.3	319.7	251.1	209.7	191.5	190.2	191.5	195.4	195.4
42.5°	603.1	552.6	434.8	330.0	253.7	211.0	194.1	194.1	196.7	199.3	200.6
45°	661.3	600.5	459.4	336.5	255.0	211.0	195.4	195.4	200.6	203.2	203.2
47.5°	724.7	648.4	478.9	340.4	253.7	209.7	195.4	198.0	201.9	204.5	204.5
50°	793.3	700.2	497.0	340.4	251.1	208.4	195.4	198.0	203.2	204.5	204.5
52.5°	860.6	750.6	508.6	336.5	247.2	205.8	194.1	198.0	203.2	203.2	203.2
55°	931.8	798.5	519.0	331.3	242.0	203.2	192.8	198.0	201.9	201.9	201.9
57.5°	988.8	837.3	520.3	323.5	236.8	200.6	191.5	196.7	200.6	199.3	199.3
60°	1037.9	864.5	516.4	313.2	230.4	196.7	190.2	195.4	199.3	196.7	196.7
62.5°	1070.3	876.2	504.7	301.5	223.9	194.1	189.0	194.1	198.0	195.4	195.4
65°	1071.6	864.5	482.7	288.6	216.1	190.2	186.4	192.8	196.7	192.8	192.8
67.5°	1041.8	829.6	454.3	273.1	209.7	186.4	183.8	190.2	194.1	190.2	190.2
70°	978.4	771.3	419.3	257.5	200.6	182.5	181.2	187.7	190.2	186.4	185.1
72.5°	886.5	693.7	380.5	239.4	191.5	176.0	176.0	182.5	185.1	181.2	179.9
75°	767.5	604.4	337.8	220.0	181.2	169.5	170.8	176.0	178.6	174.7	172.1
77.5°	645.8	513.8	296.4	203.2	170.8	161.8	163.1	169.5	170.8	167.0	164.4
80°	524.1	418.0	255.0	183.8	159.2	154.0	155.3	159.2	160.5	156.6	154.0
82.5°	420.6	340.4	216.1	165.7	147.5	143.7	146.2	148.8	148.8	144.9	142.4
85°	331.3	270.5	183.8	146.2	134.6	133.3	135.9	137.2	135.9	132.0	129.4
87.5°	256.3	214.8	154.0	128.1	121.7	122.9	124.2	124.2	122.9	120.4	116.5
90°	199.3	170.8	129.4	112.6	110.0	111.3	112.6	112.6	110.0	106.1	103.5
92.5°	157.9	138.5	108.7	98.4	98.4	100.9	100.9	100.9	97.1	93.2	91.9
95°	122.9	110.0	91.9	86.7	86.7	89.3	90.6	89.3	85.4	81.5	80.2
97.5°	98.4	89.3	78.9	75.1	77.7	80.2	80.2	77.7	73.8	71.2	69.9
100°	78.9	72.5	66.0	66.0	68.6	71.2	71.2	68.6	64.7	59.5	59.5
102.5°	63.4	60.8	56.9	58.2	59.5	62.1	62.1	59.5	54.4	50.5	50.5
105°	51.8	50.5	49.2	50.5	53.1	54.4	54.4	51.8	46.6	42.7	42.7
107.5°	42.7	41.4	41.4	44.0	46.6	47.9	47.9	44.0	40.1	36.2	37.5
110°	36.2	34.9	34.9	37.5	40.1	41.4	41.4	38.8	33.6	31.1	32.4

REPORT NUMBER: P694908
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.8	29.8	31.1	33.6	36.2	37.5	36.2	32.4	28.5	27.2	27.2
115°	25.9	25.9	27.2	29.8	31.1	32.4	31.1	28.5	24.6	23.3	23.3
117.5°	22.0	22.0	23.3	25.9	27.2	28.5	27.2	24.6	20.7	20.7	20.7
120°	19.4	19.4	20.7	23.3	24.6	24.6	23.3	20.7	18.1	18.1	18.1
122.5°	18.1	18.1	18.1	19.4	20.7	22.0	20.7	18.1	15.5	15.5	15.5
125°	15.5	15.5	16.8	18.1	18.1	18.1	16.8	15.5	14.2	14.2	14.2
127.5°	14.2	14.2	14.2	15.5	16.8	15.5	14.2	12.9	11.6	12.9	12.9
130°	12.9	12.9	12.9	12.9	14.2	14.2	12.9	11.6	10.4	10.4	10.4
132.5°	11.6	11.6	11.6	11.6	11.6	11.6	10.4	9.1	9.1	10.4	10.4
135°	10.4	10.4	10.4	10.4	10.4	10.4	9.1	7.8	7.8	9.1	9.1
137.5°	9.1	9.1	9.1	7.8	9.1	7.8	7.8	7.8	7.8	7.8	7.8
140°	7.8	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5
145°	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9	5.2	5.2	5.2
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)