

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: P694894

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3491 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

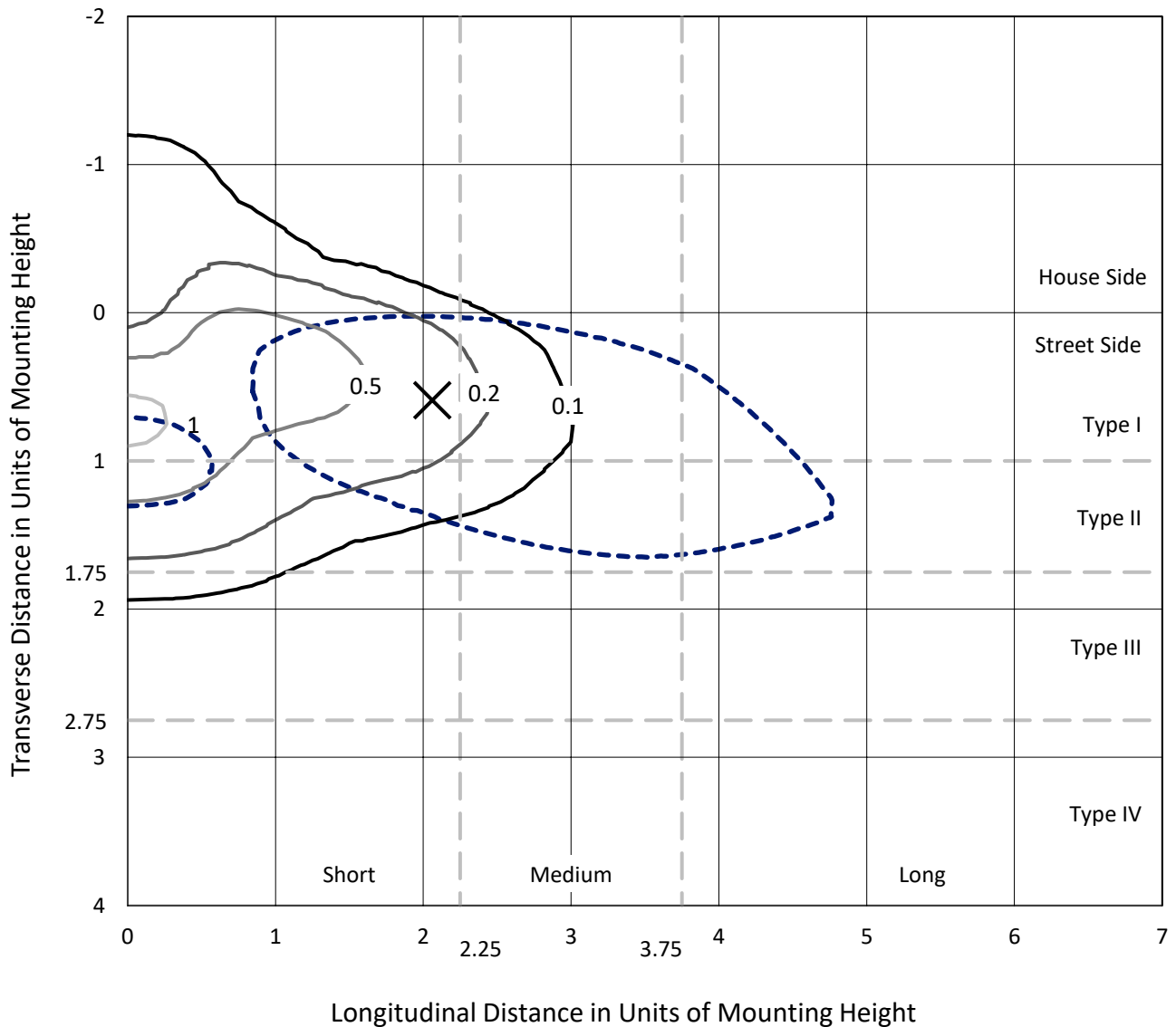
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694894
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

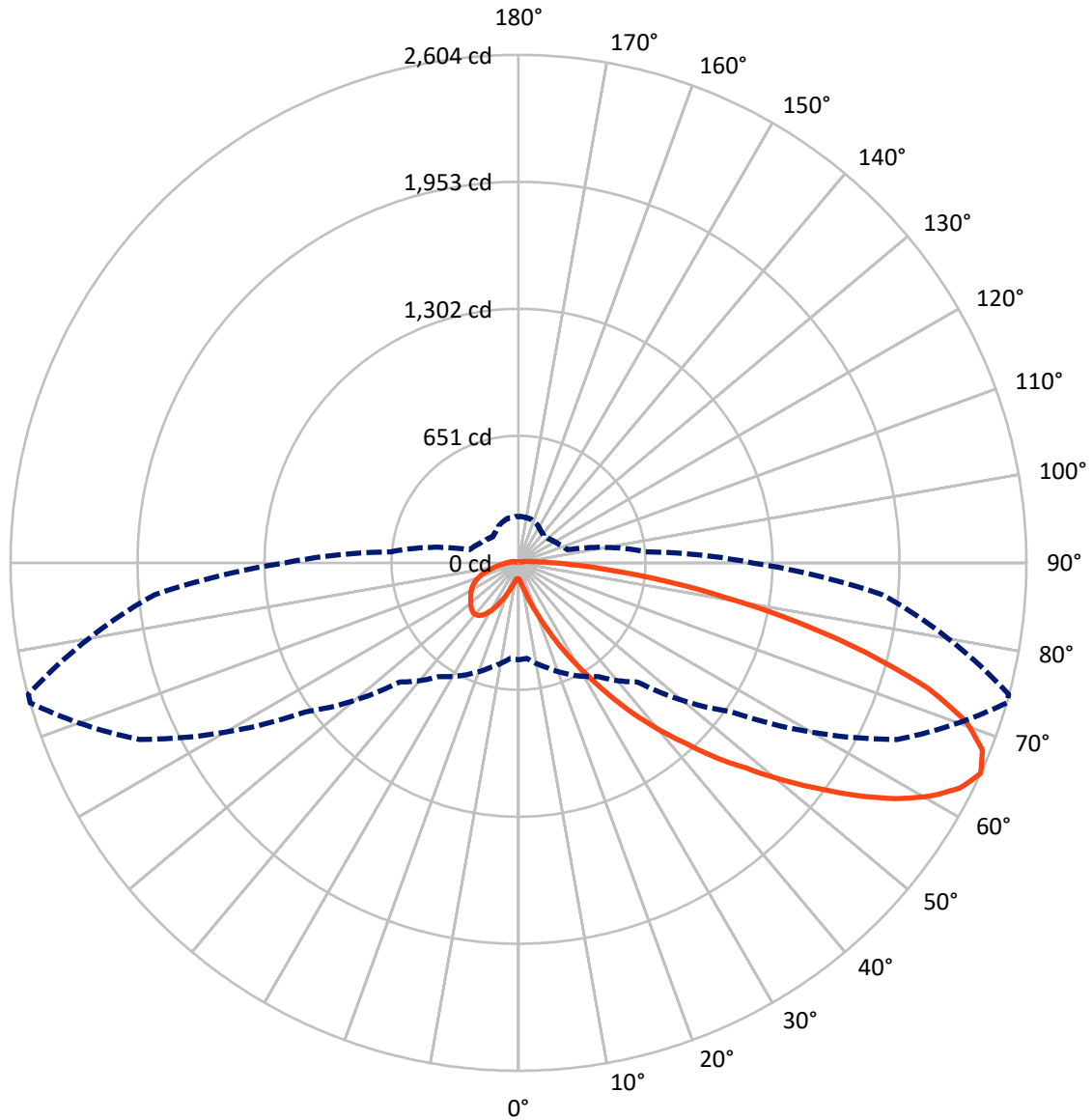
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P694894
CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P694894
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

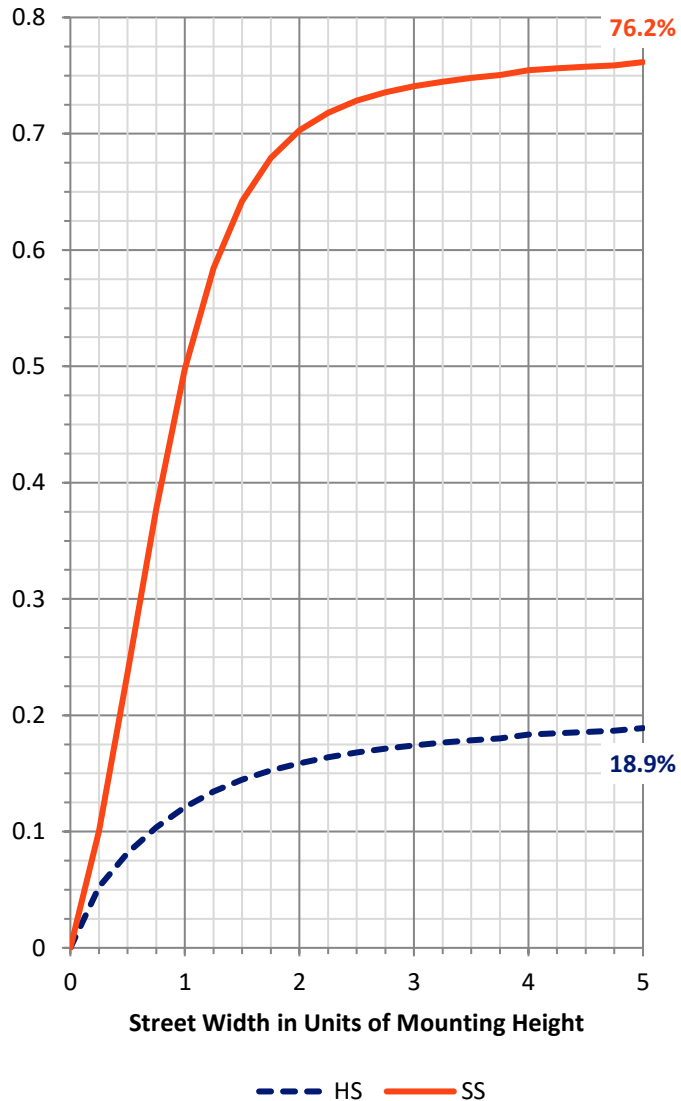
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.7	56.5	749.2
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	2691.3	50.6	2741.9
	% Fixture	77.1	1.4	78.5
Total	Lumens	3383.9	107.1	3491.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.3
10°-20°	50.3	1.4
20°-30°	167.3	4.8
30°-40°	383.5	11.0
40°-50°	613.7	17.6
50°-60°	761.8	21.8
60°-70°	739.3	21.2
70°-80°	482.2	13.8
80°-90°	176.3	5.1
90°-100°	52.6	1.5
100°-110°	24.3	0.7
110°-120°	13.5	0.4
120°-130°	8.4	0.2
130°-140°	5.3	0.2
140°-150°	2.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3383.9	96.9
0°-180°	3491.0	100.0

Coefficient of Utilization

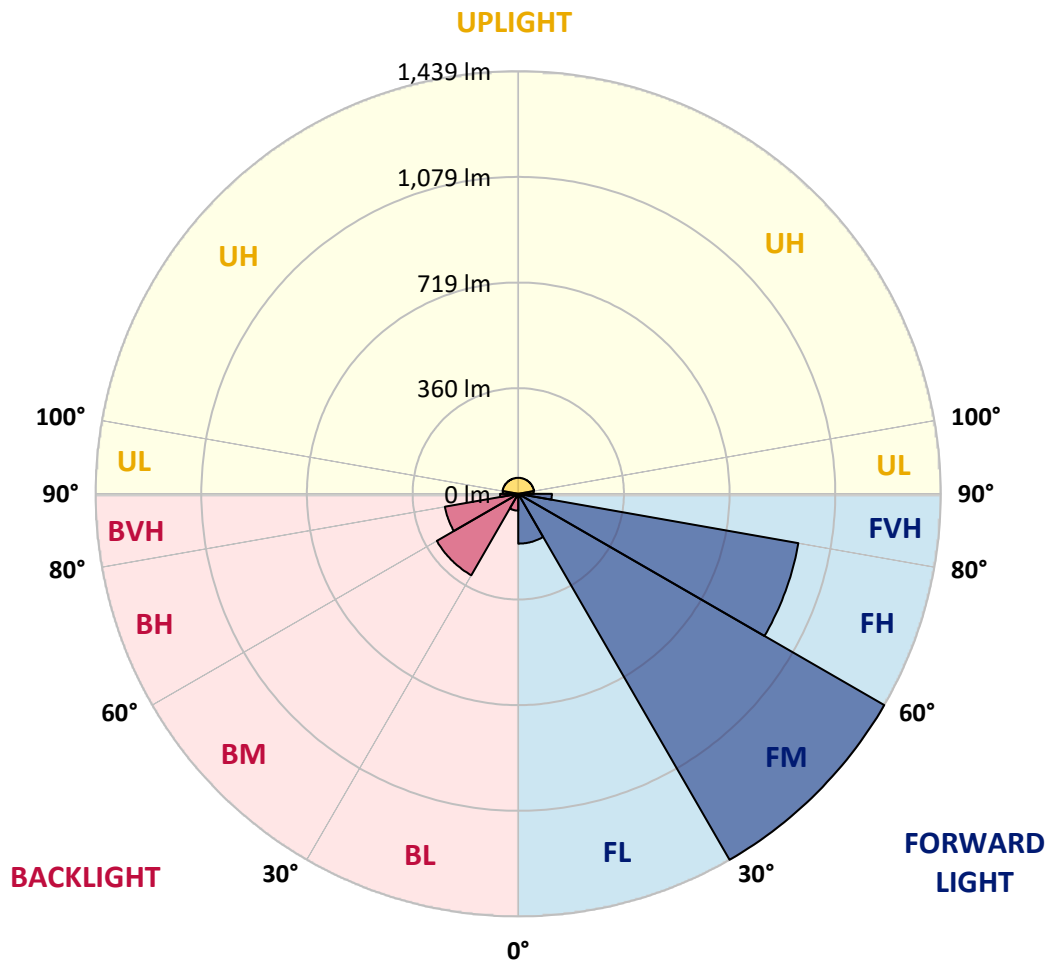


REPORT NUMBER: P694894
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.7	4.9			
FM (30°-60°)	1438.8	41.2			
FH (60°-80°)	968.3	27.7			G1/1800
FVH (80°-90°)	114.5	3.3			G2/225
BL (0°-30°)	57.4	1.6	B0/110		
BM (30°-60°)	320.2	9.2	B1/1000		
BH (60°-80°)	253.3	7.3	B1/500		G1/500
BVH (80°-90°)	61.8	1.8			G1/100
UL (90°-100°)	52.6	1.5		U3/500	
UH (100°-180°)	54.5	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



REPORT NUMBER: P694894
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
2.5°	94.5	95.8	95.8	94.5	93.2	93.2	90.6	88.0	86.7	86.7	85.4
5°	115.2	116.5	116.5	113.9	110.0	108.7	103.5	99.7	95.8	95.8	90.6
7.5°	144.9	146.2	143.7	141.1	135.9	130.7	124.2	116.5	108.7	107.4	100.9
10°	179.9	183.8	181.2	174.7	167.0	160.5	150.1	137.2	129.4	126.8	115.2
12.5°	234.2	231.7	225.2	218.7	209.7	196.7	182.5	167.0	151.4	152.7	137.2
15°	289.9	295.1	286.0	274.4	256.2	242.0	222.6	205.8	189.0	186.4	165.7
17.5°	371.4	370.1	359.8	336.5	309.3	295.1	274.4	253.7	234.2	227.8	200.6
20°	467.2	465.9	445.2	415.4	389.6	361.1	332.6	310.6	287.3	282.1	247.2
22.5°	581.1	575.9	553.9	511.2	467.2	432.3	402.5	385.7	354.6	349.4	301.5
25°	713.1	701.4	676.9	619.9	552.6	512.5	485.3	465.9	436.1	429.7	367.5
27.5°	859.3	851.6	806.3	731.2	651.0	588.9	569.4	556.5	531.9	524.1	441.3
30°	996.5	999.1	949.9	855.5	753.2	678.2	663.9	665.2	632.9	626.4	528.0
32.5°	1159.6	1149.2	1085.8	977.1	849.0	771.3	758.4	776.5	749.3	744.2	622.5
35°	1289.0	1296.8	1229.5	1094.9	946.1	856.8	861.9	891.7	876.2	868.4	706.6
37.5°	1413.3	1406.8	1327.8	1194.5	1030.2	937.0	956.4	1022.4	1006.9	997.8	806.3
40°	1496.1	1488.3	1419.7	1276.1	1106.5	1010.8	1048.3	1146.7	1140.2	1136.3	891.7
42.5°	1534.9	1524.6	1468.9	1333.0	1162.2	1069.0	1142.8	1273.5	1272.2	1268.3	990.1
45°	1525.8	1519.4	1476.7	1366.7	1198.4	1123.4	1226.9	1405.5	1428.8	1410.7	1080.6
47.5°	1485.7	1479.3	1449.5	1366.7	1217.8	1157.0	1302.0	1544.0	1573.7	1556.9	1181.6
50°	1405.5	1402.9	1395.1	1334.3	1215.2	1184.2	1374.4	1669.5	1749.7	1732.9	1296.8
52.5°	1292.9	1291.6	1304.5	1276.1	1190.7	1188.1	1431.4	1814.5	1921.9	1903.8	1409.4
55°	1160.9	1160.9	1182.9	1185.5	1142.8	1173.8	1475.4	1930.9	2106.9	2081.1	1532.3
57.5°	992.6	997.8	1047.0	1079.4	1063.8	1132.4	1490.9	2042.2	2281.7	2264.8	1659.1
60°	825.7	828.3	885.2	939.6	966.8	1074.2	1476.7	2118.6	2427.9	2421.4	1761.4
62.5°	651.0	653.6	713.1	792.0	845.1	978.4	1423.6	2153.5	2541.8	2537.9	1836.5
65°	497.0	491.8	555.2	632.9	711.8	864.5	1331.7	2143.2	2603.9	2601.3	1872.7
67.5°	357.2	367.5	415.4	490.5	570.7	742.9	1204.9	2042.2	2565.1	2567.7	1833.9
70°	258.8	275.7	309.3	366.3	449.1	610.9	1052.2	1874.0	2433.1	2448.6	1723.9
72.5°	199.3	200.6	227.8	273.1	339.1	484.0	871.0	1644.9	2193.6	2198.8	1533.6
75°	155.3	159.2	177.3	209.7	260.1	375.3	706.6	1361.5	1839.0	1868.8	1300.7
77.5°	126.8	128.1	142.4	161.8	199.3	283.4	528.0	1074.2	1462.4	1465.0	1014.6
80°	99.7	104.8	116.5	129.4	155.3	212.2	388.3	786.9	1075.5	1058.6	718.3
82.5°	76.4	80.2	89.3	103.5	117.8	159.2	278.3	555.2	739.0	726.0	491.8
85°	56.9	59.5	68.6	80.2	93.2	121.7	194.1	358.5	458.1	443.9	299.0
87.5°	40.1	41.4	49.2	59.5	71.2	91.9	134.6	220.0	275.7	270.5	185.1
90°	27.2	28.5	34.9	44.0	55.7	71.2	97.1	137.2	160.5	160.5	117.8
92.5°	19.4	20.7	25.9	33.6	44.0	56.9	71.2	89.3	98.4	97.1	80.2
95°	15.5	15.5	20.7	27.2	36.2	46.6	54.4	60.8	66.0	66.0	60.8
97.5°	12.9	12.9	18.1	23.3	31.1	38.8	44.0	45.3	47.9	47.9	45.3
100°	11.6	11.6	15.5	20.7	25.9	32.4	36.2	34.9	36.2	37.5	34.9
102.5°	10.4	10.4	14.2	18.1	23.3	28.5	29.8	28.5	28.5	28.5	27.2
105°	9.1	9.1	12.9	16.8	20.7	24.6	25.9	23.3	22.0	22.0	22.0
107.5°	7.8	7.8	11.6	14.2	18.1	22.0	22.0	20.7	18.1	18.1	16.8
110°	7.8	7.8	10.4	12.9	16.8	19.4	19.4	16.8	14.2	14.2	14.2

REPORT NUMBER: P694894

CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	6.5	6.5	9.1	12.9	15.5	16.8	16.8	14.2	12.9	11.6	11.6
115°	6.5	6.5	9.1	11.6	14.2	15.5	15.5	12.9	10.4	10.4	10.4
117.5°	6.5	6.5	7.8	10.4	12.9	14.2	12.9	11.6	9.1	9.1	9.1
120°	6.5	6.5	7.8	9.1	11.6	12.9	12.9	10.4	7.8	7.8	9.1
122.5°	6.5	6.5	7.8	9.1	10.4	11.6	11.6	9.1	7.8	7.8	7.8
125°	6.5	6.5	7.8	9.1	10.4	11.6	10.4	9.1	6.5	6.5	7.8
127.5°	6.5	6.5	7.8	7.8	9.1	10.4	9.1	7.8	6.5	6.5	7.8
130°	6.5	6.5	7.8	7.8	9.1	9.1	9.1	6.5	6.5	6.5	6.5
132.5°	7.8	7.8	7.8	7.8	7.8	9.1	7.8	6.5	5.2	5.2	6.5
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.5	5.2	5.2	6.5
137.5°	6.5	7.8	6.5	6.5	6.5	7.8	6.5	5.2	5.2	5.2	5.2
140°	6.5	6.5	6.5	6.5	6.5	6.5	5.2	3.9	5.2	5.2	5.2
142.5°	6.5	6.5	6.5	5.2	5.2	5.2	5.2	3.9	3.9	3.9	5.2
145°	5.2	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9
147.5°	5.2	5.2	5.2	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9
150°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	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: P694894

CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
2.5°	84.1	82.8	81.5	80.2	77.7	76.4	76.4	75.1	75.1	75.1	75.1
5°	88.0	86.7	82.8	78.9	75.1	72.5	69.9	69.9	68.6	67.3	67.3
7.5°	97.1	93.2	86.7	80.2	76.4	71.2	68.6	66.0	64.7	64.7	64.7
10°	110.0	104.8	94.5	85.4	78.9	72.5	68.6	66.0	64.7	63.4	63.4
12.5°	128.1	121.7	106.1	94.5	82.8	76.4	71.2	68.6	67.3	67.3	67.3
15°	154.0	143.7	124.2	104.8	91.9	80.2	77.7	77.7	78.9	78.9	78.9
17.5°	187.7	172.1	142.4	117.8	100.9	90.6	86.7	88.0	90.6	90.6	90.6
20°	223.9	205.8	165.7	134.6	112.6	103.5	98.4	100.9	104.8	107.4	107.4
22.5°	274.4	248.5	194.1	152.7	126.8	115.2	112.6	115.2	121.7	124.2	124.2
25°	332.6	293.8	223.9	172.1	142.4	129.4	126.8	130.7	138.5	144.9	144.9
27.5°	393.4	344.3	256.2	191.5	156.6	141.1	139.8	146.2	156.6	163.1	164.4
30°	463.3	396.0	286.0	211.0	170.8	152.7	152.7	163.1	174.7	183.8	185.1
32.5°	531.9	450.4	311.9	227.8	183.8	163.1	164.4	177.3	192.8	200.6	203.2
35°	601.8	497.0	335.2	242.0	192.8	172.1	174.7	191.5	207.1	216.1	216.1
37.5°	669.1	539.7	346.8	249.8	200.6	178.6	183.8	203.2	218.7	226.5	227.8
40°	733.8	572.0	354.6	255.0	205.8	185.1	190.2	211.0	227.8	235.5	235.5
42.5°	790.7	599.2	355.9	256.2	209.7	189.0	196.7	217.4	233.0	238.1	239.4
45°	849.0	622.5	349.4	253.7	212.2	192.8	199.3	221.3	235.5	239.4	240.7
47.5°	902.0	641.9	341.7	251.1	213.5	194.1	201.9	223.9	236.8	238.1	239.4
50°	964.2	657.4	330.0	247.2	214.8	195.4	203.2	223.9	236.8	236.8	236.8
52.5°	1023.7	670.4	318.4	243.3	214.8	195.4	203.2	225.2	236.8	235.5	235.5
55°	1088.4	682.0	306.7	240.7	213.5	195.4	203.2	225.2	235.5	234.2	235.5
57.5°	1138.9	687.2	297.7	238.1	213.5	194.1	201.9	223.9	234.2	234.2	234.2
60°	1182.9	685.9	286.0	235.5	212.2	192.8	201.9	222.6	234.2	234.2	234.2
62.5°	1208.8	674.3	274.4	233.0	209.7	190.2	200.6	222.6	234.2	235.5	235.5
65°	1198.4	653.6	258.8	226.5	204.5	187.7	199.3	220.0	233.0	236.8	238.1
67.5°	1154.4	607.0	242.0	217.4	199.3	185.1	198.0	217.4	230.4	236.8	236.8
70°	1062.5	548.7	220.0	204.5	190.2	181.2	194.1	213.5	225.2	233.0	233.0
72.5°	934.4	473.7	199.3	187.7	179.9	174.7	190.2	207.1	217.4	223.9	223.9
75°	776.5	393.4	174.7	168.2	167.0	165.7	182.5	198.0	204.5	209.7	209.7
77.5°	607.0	317.1	148.8	148.8	148.8	154.0	172.1	182.5	187.7	192.8	192.8
80°	443.9	242.0	125.5	126.8	130.7	141.1	156.6	164.4	167.0	172.1	169.5
82.5°	302.8	176.0	104.8	104.8	112.6	124.2	139.8	143.7	144.9	148.8	144.9
85°	199.3	126.8	86.7	86.7	94.5	106.1	117.8	120.4	120.4	122.9	119.1
87.5°	129.4	93.2	71.2	71.2	76.4	88.0	97.1	97.1	97.1	99.7	95.8
90°	91.9	71.2	59.5	58.2	62.1	71.2	77.7	76.4	76.4	77.7	75.1
92.5°	67.3	58.2	50.5	49.2	51.8	58.2	62.1	60.8	62.1	60.8	59.5
95°	53.1	47.9	44.0	42.7	44.0	47.9	50.5	49.2	49.2	47.9	46.6
97.5°	42.7	40.1	38.8	37.5	37.5	38.8	41.4	40.1	41.4	38.8	37.5
100°	34.9	33.6	33.6	33.6	32.4	33.6	34.9	34.9	34.9	32.4	32.4
102.5°	27.2	28.5	29.8	29.8	28.5	29.8	29.8	29.8	29.8	27.2	27.2
105°	22.0	23.3	25.9	25.9	25.9	25.9	25.9	25.9	25.9	23.3	23.3
107.5°	18.1	19.4	22.0	23.3	22.0	22.0	23.3	23.3	22.0	20.7	20.7
110°	15.5	16.8	18.1	19.4	19.4	19.4	20.7	20.7	19.4	18.1	16.8

REPORT NUMBER: P694894
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	14.2	16.8	16.8	18.1	18.1	18.1	18.1	16.8	15.5	15.5
115°	11.6	12.9	14.2	15.5	15.5	15.5	16.8	15.5	14.2	14.2	14.2
117.5°	10.4	11.6	12.9	14.2	14.2	14.2	14.2	14.2	12.9	12.9	12.9
120°	9.1	10.4	11.6	12.9	12.9	12.9	12.9	12.9	11.6	11.6	11.6
122.5°	9.1	9.1	10.4	11.6	11.6	11.6	11.6	11.6	10.4	10.4	10.4
125°	7.8	9.1	10.4	10.4	10.4	10.4	10.4	10.4	9.1	9.1	10.4
127.5°	7.8	7.8	9.1	9.1	10.4	10.4	9.1	9.1	9.1	9.1	9.1
130°	7.8	7.8	7.8	9.1	9.1	9.1	9.1	7.8	7.8	7.8	7.8
132.5°	6.5	7.8	7.8	7.8	7.8	7.8	7.8	6.5	6.5	7.8	7.8
135°	6.5	6.5	6.5	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	5.2	5.2	5.2	6.5	6.5
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	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	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

(END OF REPORT)