

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: P695176

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-750-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4548 lumens
Efficiency: N/A
Efficacy: 113.1 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

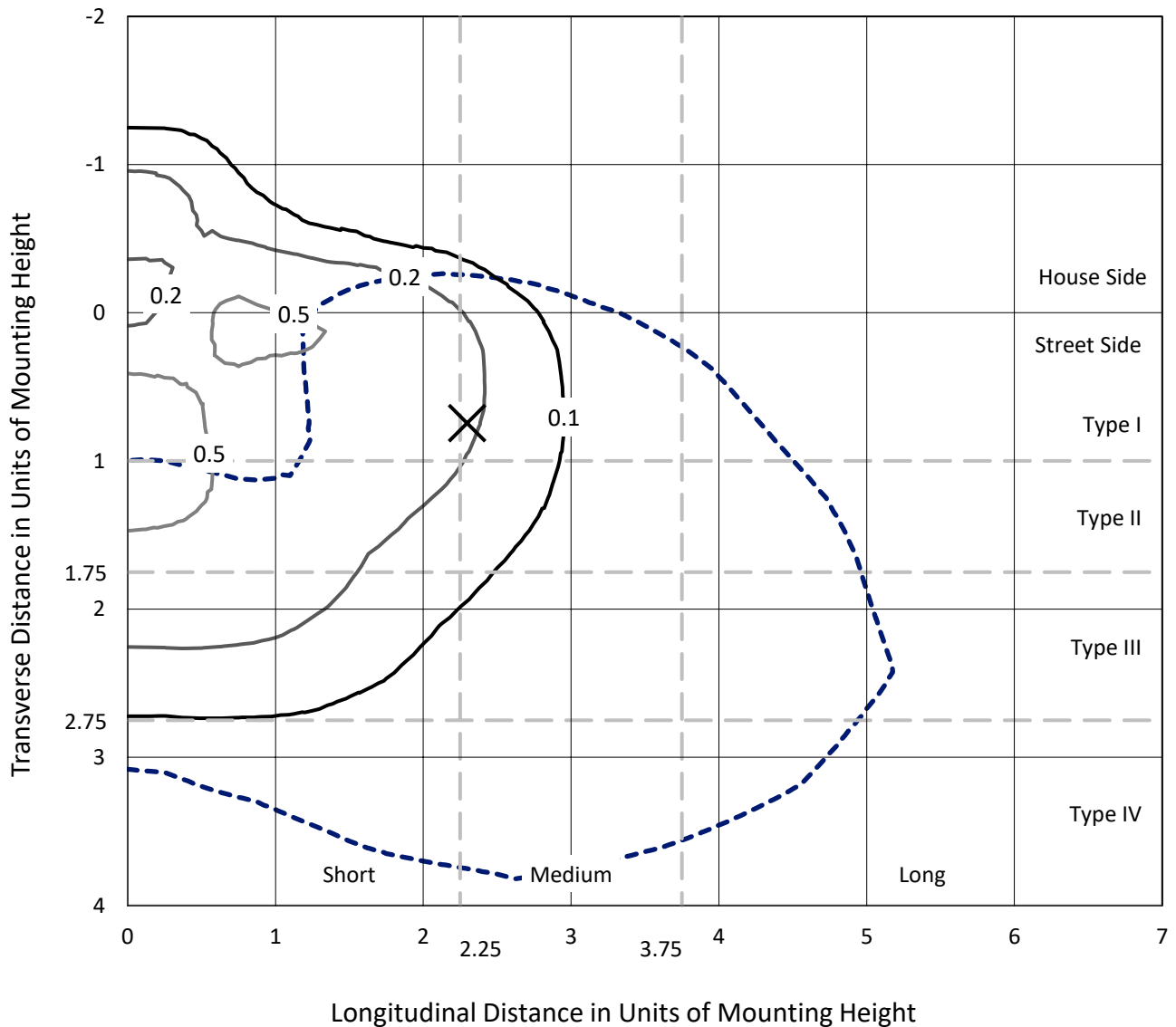
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695176
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

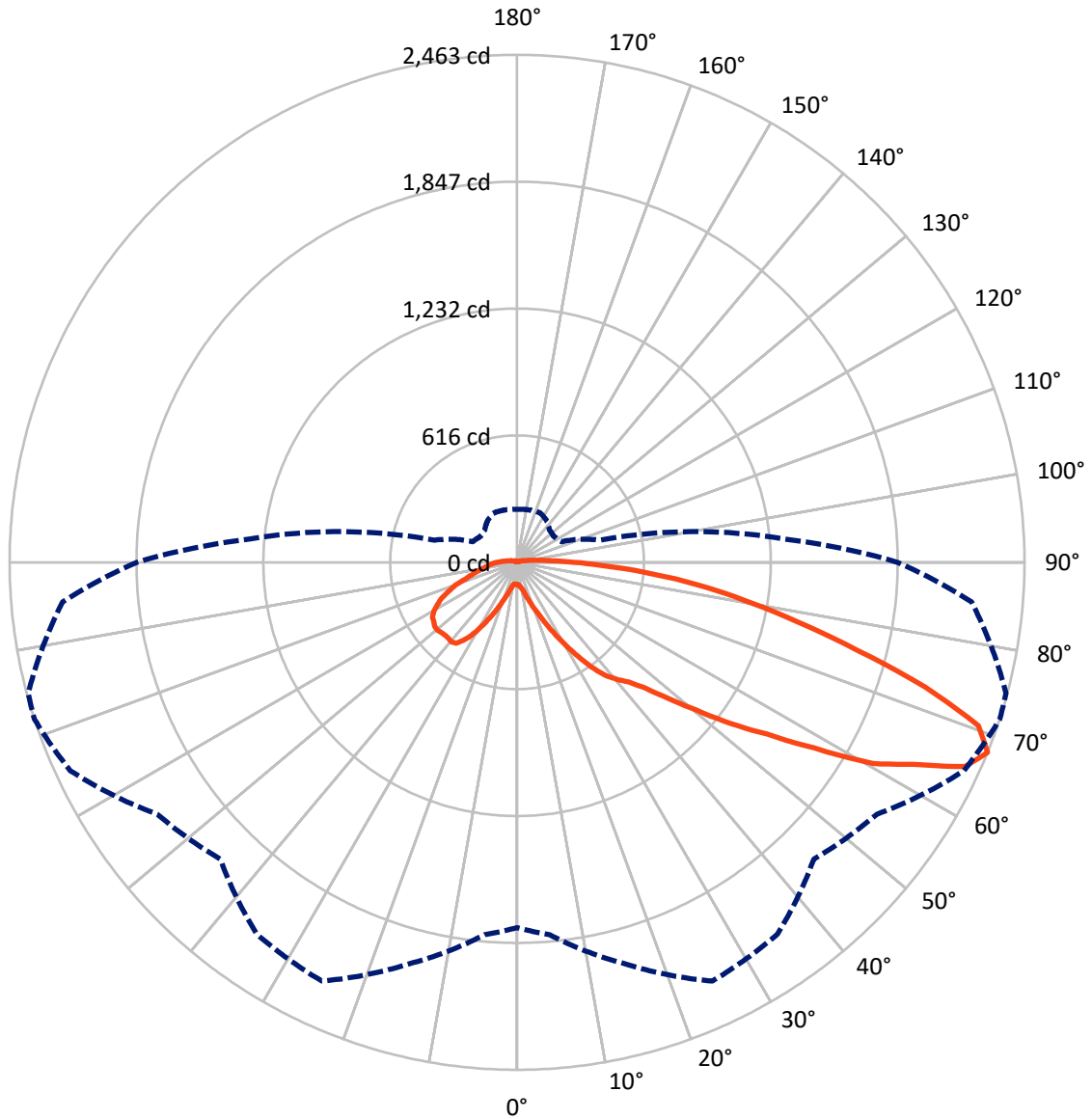
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695176
CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695176
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

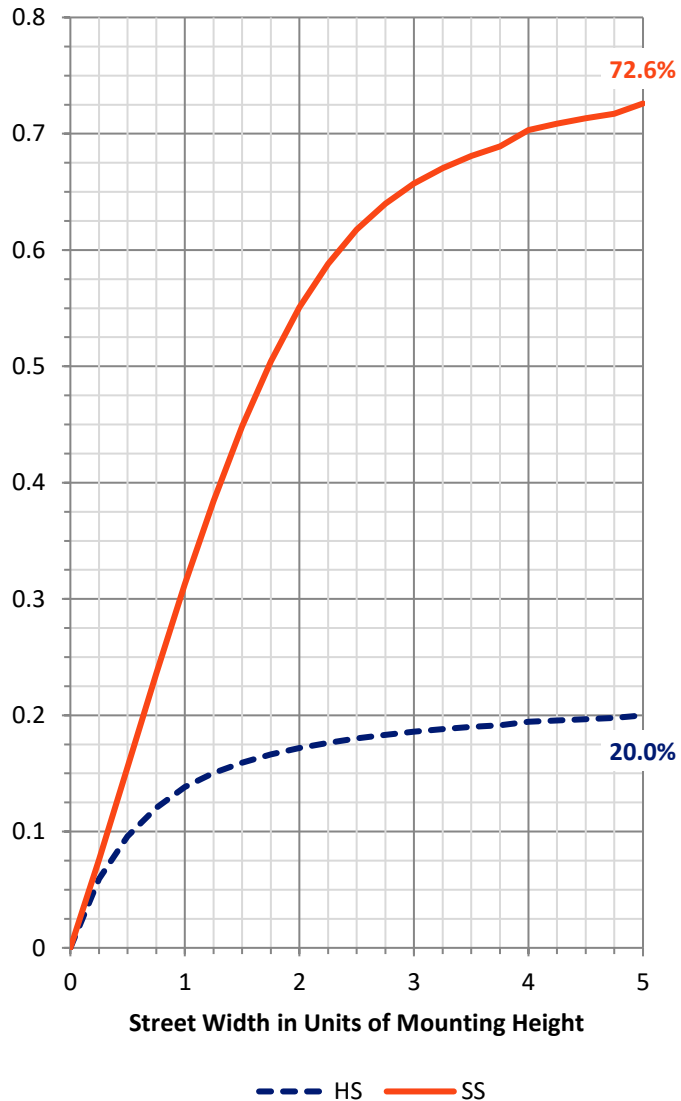
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.9	82.5	1042.4
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	3417.8	87.8	3505.6
	% Fixture	75.1	1.9	77.1
Total	Lumens	4377.6	170.4	4548.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.2
10°-20°	47.1	1.0
20°-30°	142.7	3.1
30°-40°	321.3	7.1
40°-50°	515.8	11.3
50°-60°	836.1	18.4
60°-70°	1219.4	26.8
70°-80°	914.2	20.1
80°-90°	370.1	8.1
90°-100°	102.7	2.3
100°-110°	33.7	0.7
110°-120°	15.5	0.3
120°-130°	9.4	0.2
130°-140°	6.0	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4377.6	96.3
0°-180°	4548.0	100.0

Coefficient of Utilization

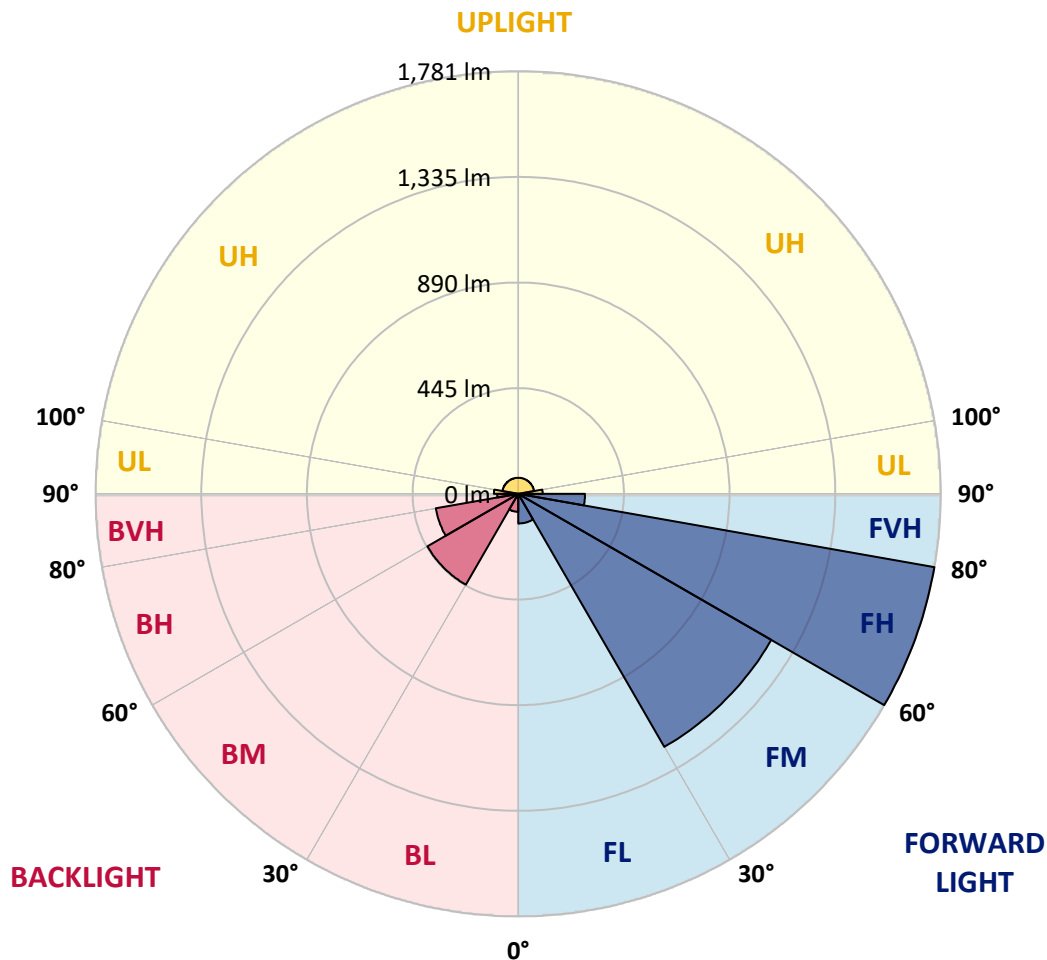


REPORT NUMBER: P695176
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.0	2.7			
FM (30°-60°)	1231.1	27.1			
FH (60°-80°)	1780.6	39.2			G1/1800
FVH (80°-90°)	281.0	6.2			G3/500
BL (0°-30°)	75.7	1.7	B0/110		
BM (30°-60°)	442.1	9.7	B1/1000		
BH (60°-80°)	353.0	7.8	B1/500		G1/500
BVH (80°-90°)	89.1	2.0			G1/100
UL (90°-100°)	102.7	2.3		U3/500	
UH (100°-180°)	67.6	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P695176
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	112.8	112.8	112.8	112.8	112.8	112.8	112.8	111.2	109.5	109.5	107.9
5°	122.6	122.6	122.6	122.6	122.6	121.0	117.7	116.1	114.4	112.8	111.2
7.5°	137.3	135.7	135.7	134.0	132.4	130.8	127.5	124.2	121.0	119.3	116.1
10°	155.3	155.3	153.7	150.4	148.7	142.2	138.9	134.0	130.8	129.1	124.2
12.5°	188.0	184.7	183.1	178.2	170.0	161.8	155.3	150.4	147.1	147.1	140.6
15°	225.6	223.9	220.7	207.6	197.8	186.3	178.2	174.9	173.3	170.0	165.1
17.5°	271.3	271.3	264.8	246.8	230.5	219.0	209.2	204.3	202.7	202.7	197.8
20°	330.2	330.2	317.1	291.0	271.3	256.6	245.2	238.6	238.6	237.0	233.7
22.5°	398.8	402.1	382.5	348.2	315.5	294.2	281.1	279.5	279.5	286.1	282.8
25°	478.9	478.9	454.4	410.3	372.7	335.1	325.3	331.8	336.7	343.3	344.9
27.5°	581.9	578.6	537.8	482.2	423.4	382.5	371.0	384.1	398.8	403.7	413.5
30°	699.6	694.7	644.0	565.6	485.5	425.0	420.1	444.6	470.8	475.7	488.7
32.5°	799.3	802.6	745.4	658.7	549.2	477.3	472.4	511.6	544.3	555.8	580.3
35°	920.3	921.9	853.3	743.7	611.3	526.3	524.7	578.6	626.0	640.8	666.9
37.5°	970.9	980.7	928.4	817.3	673.4	578.6	575.4	642.4	696.3	712.7	742.1
40°	1023.2	1029.8	975.8	871.2	724.1	624.4	626.0	698.0	747.0	766.6	783.0
42.5°	1131.1	1134.4	1060.8	928.4	766.6	671.8	673.4	738.8	794.4	818.9	848.3
45°	1227.6	1242.3	1170.4	1018.3	823.8	712.7	715.9	805.8	868.0	902.3	938.2
47.5°	1364.9	1364.9	1306.0	1137.7	908.8	768.3	786.2	900.7	985.7	1015.1	1067.4
50°	1487.5	1489.1	1445.0	1266.8	1003.6	845.1	877.8	1020.0	1127.9	1162.2	1232.5
52.5°	1588.8	1590.4	1559.4	1415.5	1132.8	946.4	984.0	1178.5	1299.5	1342.0	1404.1
55°	1714.7	1706.5	1686.9	1564.3	1279.9	1077.2	1132.8	1346.9	1472.8	1530.0	1605.2
57.5°	1848.7	1838.9	1847.1	1726.1	1448.2	1239.0	1296.2	1526.7	1701.6	1775.2	1861.8
60°	1922.3	1925.5	1987.6	1938.6	1652.6	1440.1	1503.8	1801.3	1982.7	2040.0	2059.6
62.5°	1958.2	1961.5	2067.7	2100.4	1894.5	1650.9	1740.8	2028.5	2159.3	2231.2	2216.5
65°	1948.4	1961.5	2131.5	2221.4	2097.2	1878.1	1974.6	2242.6	2389.8	2427.3	2312.9
67.5°	1773.5	1814.4	2017.1	2242.6	2203.4	2036.7	2131.5	2393.0	2463.3	2456.8	2214.9
70°	1502.2	1513.6	1757.2	2084.1	2172.4	2030.1	2146.2	2362.0	2375.0	2340.7	1997.5
72.5°	1155.6	1183.4	1404.1	1758.8	1956.6	1884.7	1982.7	2152.7	2072.6	1986.0	1611.7
75°	848.3	836.9	1021.6	1366.5	1619.9	1629.7	1726.1	1825.8	1706.5	1636.2	1315.8
77.5°	575.4	603.2	735.6	1011.8	1273.3	1361.6	1458.0	1471.1	1392.7	1335.5	1006.9
80°	393.9	398.8	498.5	738.8	993.8	1118.1	1203.1	1232.5	1119.7	1054.3	760.1
82.5°	225.6	230.5	315.5	531.2	779.7	923.5	1010.2	1002.0	872.9	807.5	528.0
85°	125.9	127.5	183.1	328.6	586.8	738.8	814.0	748.6	619.5	559.0	346.5
87.5°	75.2	78.5	109.5	210.9	398.8	572.1	609.7	521.4	400.5	356.3	228.8
90°	47.4	50.7	67.0	124.2	256.6	402.1	413.5	328.6	248.5	223.9	155.3
92.5°	31.1	32.7	44.1	76.8	158.6	253.4	264.8	197.8	153.7	137.3	106.2
95°	24.5	24.5	31.1	52.3	98.1	148.7	160.2	119.3	99.7	89.9	73.6
97.5°	19.6	19.6	24.5	37.6	67.0	93.2	96.4	78.5	67.0	65.4	55.6
100°	16.3	18.0	21.2	29.4	47.4	62.1	62.1	53.9	49.0	49.0	44.1
102.5°	14.7	14.7	18.0	24.5	37.6	47.4	45.8	40.9	37.6	37.6	36.0
105°	14.7	13.1	16.3	19.6	29.4	36.0	34.3	31.1	29.4	27.8	27.8
107.5°	13.1	11.4	13.1	16.3	24.5	29.4	27.8	24.5	22.9	21.2	22.9
110°	11.4	11.4	11.4	14.7	19.6	24.5	22.9	19.6	18.0	18.0	18.0

REPORT NUMBER: P695176
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.8	9.8	9.8	13.1	16.3	19.6	19.6	16.3	14.7	13.1	14.7
115°	9.8	9.8	9.8	11.4	14.7	18.0	16.3	13.1	11.4	11.4	13.1
117.5°	8.2	8.2	8.2	11.4	13.1	14.7	14.7	11.4	9.8	9.8	11.4
120°	8.2	8.2	8.2	9.8	13.1	13.1	13.1	9.8	9.8	9.8	11.4
122.5°	8.2	8.2	8.2	9.8	11.4	13.1	11.4	9.8	8.2	8.2	9.8
125°	8.2	8.2	8.2	9.8	11.4	11.4	9.8	8.2	8.2	8.2	9.8
127.5°	8.2	8.2	8.2	9.8	9.8	9.8	9.8	8.2	8.2	8.2	9.8
130°	8.2	8.2	8.2	8.2	9.8	9.8	8.2	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.5	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5	8.2
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.2
140°	6.5	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	6.5
142.5°	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9
147.5°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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: P695176
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	107.9	107.9	106.2	104.6	104.6	104.6	104.6	104.6	103.0	103.0	103.0
5°	109.5	107.9	106.2	104.6	103.0	101.3	99.7	99.7	98.1	98.1	98.1
7.5°	114.4	112.8	107.9	104.6	101.3	99.7	98.1	96.4	94.8	93.2	93.2
10°	122.6	119.3	112.8	107.9	103.0	99.7	96.4	94.8	93.2	93.2	91.5
12.5°	137.3	134.0	124.2	116.1	107.9	103.0	98.1	96.4	96.4	96.4	98.1
15°	161.8	156.9	143.8	132.4	119.3	109.5	106.2	107.9	109.5	111.2	111.2
17.5°	192.9	186.3	171.6	152.0	134.0	122.6	121.0	122.6	125.9	129.1	129.1
20°	228.8	220.7	197.8	174.9	152.0	142.2	137.3	140.6	145.5	152.0	150.4
22.5°	279.5	266.4	238.6	201.1	174.9	161.8	155.3	160.2	170.0	176.5	176.5
25°	336.7	320.4	284.4	233.7	197.8	178.2	174.9	183.1	201.1	210.9	210.9
27.5°	402.1	382.5	333.5	268.1	222.3	196.1	192.9	210.9	233.7	251.7	250.1
30°	478.9	456.0	392.3	304.0	245.2	210.9	214.1	238.6	269.7	291.0	291.0
32.5°	567.2	531.2	449.5	343.3	263.2	223.9	230.5	263.2	300.8	322.0	325.3
35°	650.6	608.1	496.9	372.7	277.9	235.4	243.6	286.1	330.2	356.3	356.3
37.5°	722.5	676.7	534.5	392.3	284.4	241.9	255.0	304.0	346.5	372.7	372.7
40°	756.8	702.9	545.9	395.6	286.1	245.2	261.5	312.2	353.1	374.3	372.7
42.5°	818.9	747.0	547.6	377.6	281.1	246.8	264.8	308.9	340.0	349.8	348.2
45°	902.3	809.1	555.8	361.2	269.7	243.6	261.5	297.5	315.5	317.1	313.8
47.5°	1010.2	899.0	567.2	346.5	259.9	238.6	253.4	281.1	291.0	286.1	284.4
50°	1158.9	1002.0	583.5	330.2	253.4	230.5	245.2	269.7	276.2	266.4	264.8
52.5°	1304.4	1105.0	590.1	313.8	246.8	225.6	240.3	264.8	266.4	250.1	248.5
55°	1480.9	1216.1	581.9	295.9	243.6	223.9	240.3	261.5	255.0	238.6	235.4
57.5°	1701.6	1358.3	580.3	279.5	237.0	223.9	241.9	258.3	253.4	241.9	240.3
60°	1838.9	1418.8	554.1	269.7	232.1	227.2	245.2	263.2	256.6	243.6	241.9
62.5°	1937.0	1445.0	514.9	258.3	228.8	227.2	250.1	264.8	255.0	245.2	243.6
65°	1964.8	1418.8	474.0	246.8	223.9	227.2	251.7	263.2	258.3	251.7	251.7
67.5°	1847.1	1301.1	415.2	237.0	217.4	222.3	248.5	264.8	261.5	258.3	256.6
70°	1632.9	1134.4	361.2	223.9	206.0	214.1	243.6	264.8	264.8	263.2	263.2
72.5°	1302.8	876.1	291.0	209.2	192.9	204.3	237.0	259.9	258.3	256.6	255.0
75°	1044.5	691.4	246.8	189.6	179.8	191.2	227.2	250.1	246.8	246.8	245.2
77.5°	786.2	523.1	209.2	171.6	163.5	179.8	212.5	233.7	232.1	230.5	227.2
80°	568.8	387.4	178.2	155.3	150.4	165.1	194.5	212.5	212.5	212.5	210.9
82.5°	411.9	286.1	155.3	140.6	137.3	150.4	174.9	189.6	196.1	201.1	197.8
85°	271.3	201.1	137.3	127.5	127.5	138.9	158.6	171.6	181.4	186.3	184.7
87.5°	184.7	153.7	121.0	112.8	116.1	127.5	145.5	155.3	163.5	168.4	166.7
90°	130.8	119.3	103.0	96.4	99.7	114.4	130.8	138.9	142.2	143.8	142.2
92.5°	93.2	88.3	81.7	78.5	83.4	99.7	114.4	117.7	117.7	116.1	112.8
95°	70.3	67.0	65.4	62.1	68.7	83.4	94.8	94.8	94.8	89.9	89.9
97.5°	53.9	53.9	53.9	50.7	55.6	67.0	75.2	73.6	73.6	70.3	70.3
100°	44.1	44.1	44.1	42.5	45.8	53.9	57.2	57.2	58.8	57.2	57.2
102.5°	36.0	36.0	36.0	36.0	37.6	44.1	47.4	45.8	47.4	47.4	47.4
105°	29.4	29.4	31.1	29.4	32.7	37.6	37.6	37.6	39.2	36.0	37.6
107.5°	22.9	24.5	24.5	24.5	27.8	31.1	32.7	31.1	31.1	29.4	29.4
110°	19.6	21.2	21.2	21.2	22.9	26.2	27.8	26.2	24.5	24.5	24.5

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	18.0	18.0	18.0	19.6	22.9	22.9	21.2	19.6	19.6	19.6
115°	14.7	14.7	16.3	16.3	18.0	19.6	19.6	18.0	16.3	18.0	18.0
117.5°	13.1	13.1	14.7	14.7	14.7	16.3	16.3	14.7	14.7	16.3	16.3
120°	11.4	13.1	13.1	13.1	13.1	14.7	14.7	13.1	13.1	14.7	14.7
122.5°	11.4	11.4	11.4	11.4	13.1	13.1	13.1	11.4	11.4	13.1	13.1
125°	9.8	11.4	11.4	11.4	11.4	11.4	11.4	9.8	11.4	11.4	13.1
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.4	11.4
130°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.2	9.8	9.8	9.8
132.5°	9.8	9.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.8	9.8
135°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.8	9.8
137.5°	8.2	8.2	6.5	6.5	6.5	6.5	6.5	6.5	8.2	8.2	8.2
140°	6.5	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
145°	4.9	4.9	4.9	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3	3.3
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)