

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: P695037

Luminaire Tested: **LXF.LXT-PA16-40-727-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.9 lumens
Efficiency: N/A
Efficacy: 93.4 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 - G2

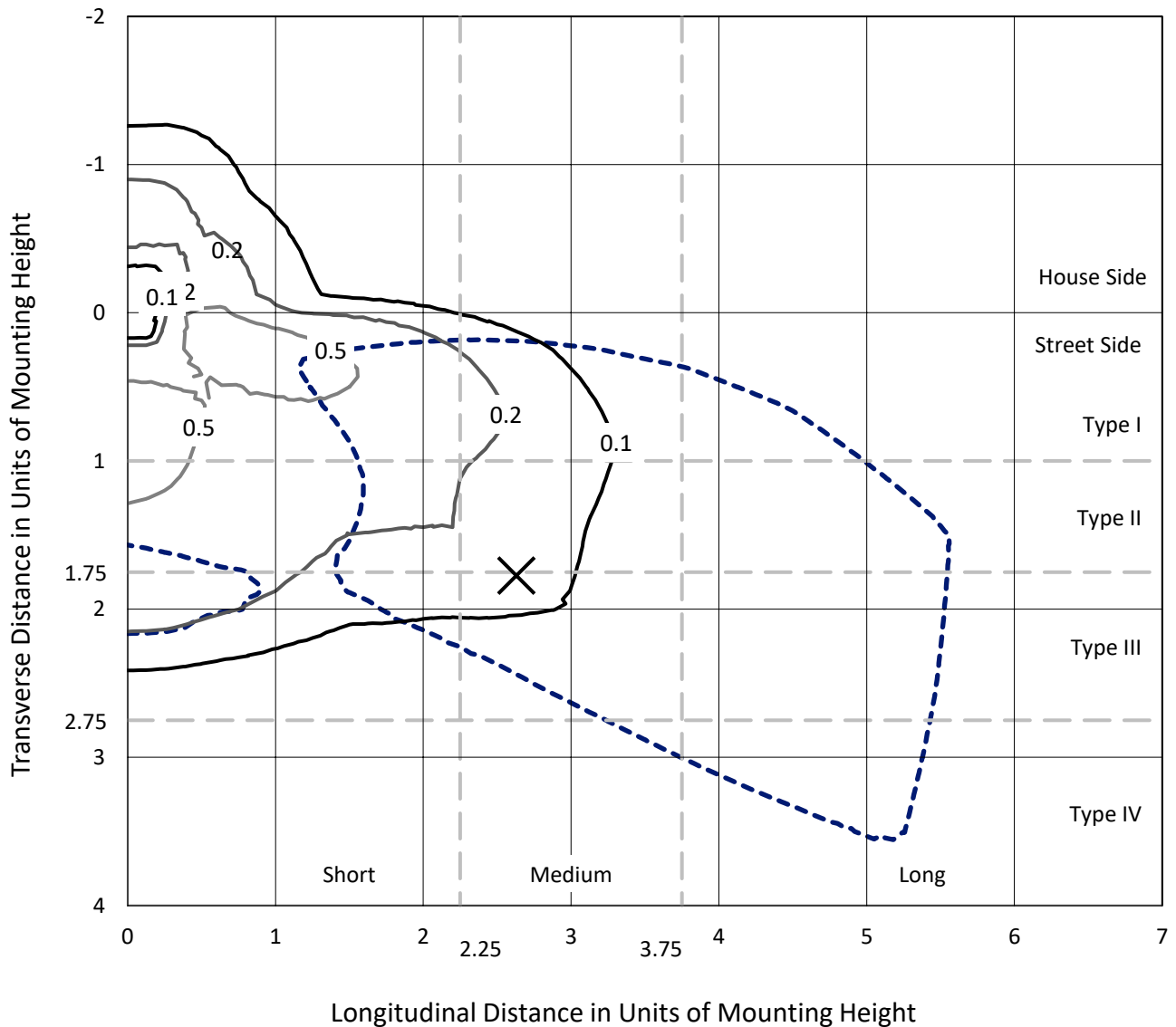
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695037
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Iso-Footcandle Lines of Horizontal Illumination

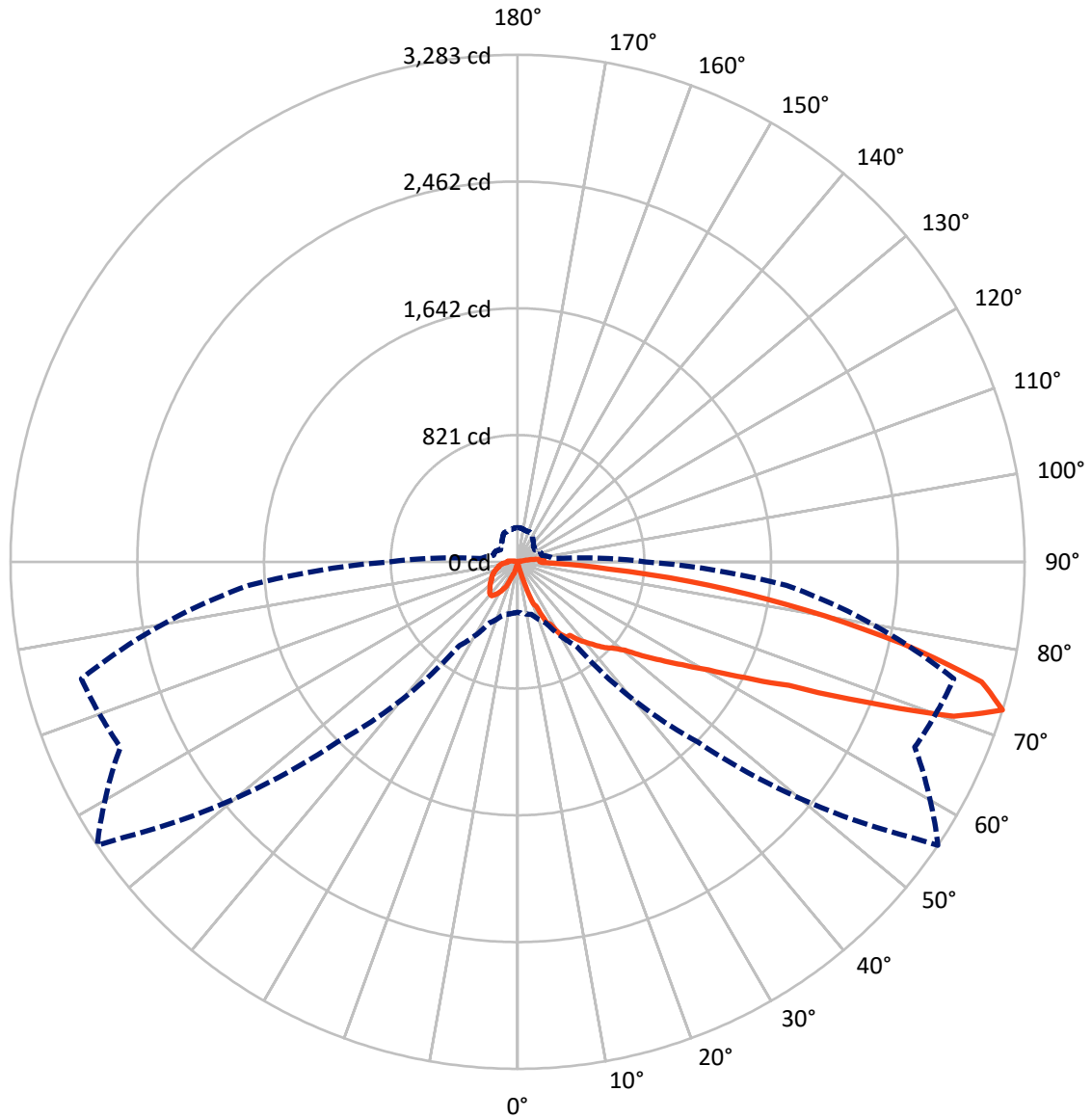
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695037
CATALOG NUMBER: LXF.LXT-PA16-40-727-U-SL3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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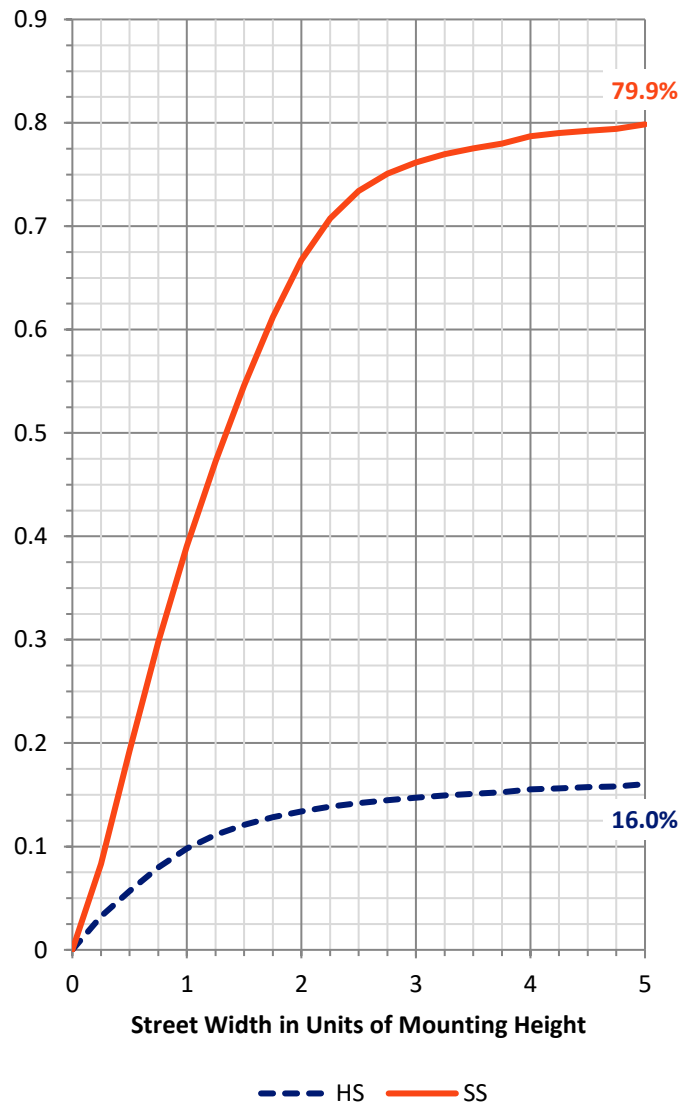
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	641.1	40.6	681.7
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	3028.5	42.7	3071.2
	% Fixture	80.7	1.1	81.8
Total	Lumens	3669.6	83.3	3752.9
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	30.8	0.8
20°-30°	145.1	3.9
30°-40°	319.4	8.5
40°-50°	478.9	12.8
50°-60°	705.3	18.8
60°-70°	979.3	26.1
70°-80°	789.1	21.0
80°-90°	221.1	5.9
90°-100°	59.6	1.6
100°-110°	11.5	0.3
110°-120°	4.5	0.1
120°-130°	3.5	0.1
130°-140°	2.4	0.1
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3669.6	97.8
0°-180°	3752.9	100.0

Coefficient of Utilization

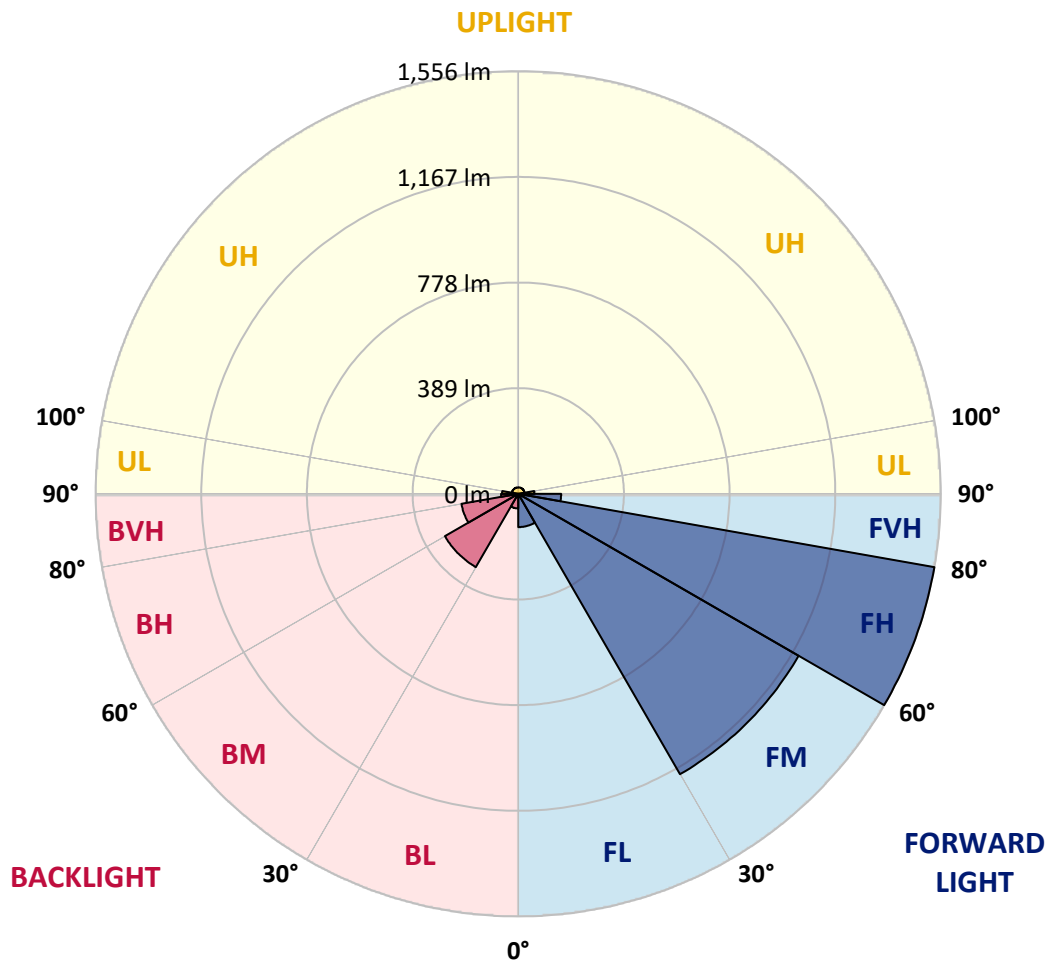


REPORT NUMBER: P695037
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.6	3.3			
FM (30°-60°)	1192.0	31.8			
FH (60°-80°)	1556.1	41.5			G1/1800
FVH (80°-90°)	157.8	4.2			G2/225
BL (0°-30°)	53.8	1.4	B0/110		
BM (30°-60°)	311.7	8.3	B1/1000		
BH (60°-80°)	212.3	5.7	B1/500		G1/500
BVH (80°-90°)	63.3	1.7			G1/100
UL (90°-100°)	59.6	1.6		U3/500	
UH (100°-180°)	23.8	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P695037
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-SL3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
5°	4.1	4.1	4.1	4.1	5.5	5.5	4.1	4.1	4.1	4.1	4.1
7.5°	6.9	6.9	5.5	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1
10°	39.9	38.5	34.4	23.4	13.7	6.9	5.5	5.5	5.5	5.5	6.9
12.5°	174.5	173.2	174.5	163.5	44.0	23.4	11.0	11.0	16.5	22.0	28.9
15°	184.2	185.5	185.5	180.0	180.0	77.0	42.6	59.1	169.0	184.2	180.0
17.5°	241.9	233.6	200.6	192.4	196.5	195.1	169.0	169.0	196.5	207.5	204.8
20°	284.5	284.5	285.8	283.1	210.3	269.4	290.0	291.3	232.3	321.6	347.7
22.5°	318.8	321.6	307.8	296.8	320.2	279.0	314.7	314.7	393.0	441.1	423.3
25°	442.5	441.1	416.4	332.6	332.6	338.1	427.4	435.6	492.0	490.6	471.4
27.5°	509.9	509.9	482.4	432.9	368.3	386.2	439.8	459.0	558.0	709.1	641.8
30°	688.5	691.3	630.8	516.7	445.3	410.9	509.9	544.2	699.5	744.9	666.5
32.5°	740.7	742.1	746.2	661.0	515.4	456.3	556.6	581.3	750.4	942.8	839.7
35°	755.8	758.6	758.6	698.1	645.9	530.5	566.2	584.1	893.3	993.6	841.1
37.5°	805.3	803.9	793.0	722.9	696.8	586.8	625.3	643.2	952.4	1069.2	836.9
40°	875.4	875.4	857.5	771.0	717.4	644.5	666.5	685.8	1021.1	1158.5	839.7
42.5°	956.5	949.6	929.0	825.9	750.4	680.3	721.5	738.0	1092.5	1271.2	843.8
45°	1054.1	1047.2	1006.0	902.9	808.1	695.4	761.3	793.0	1173.6	1390.8	868.5
47.5°	1147.5	1144.8	1098.0	979.9	865.8	717.4	791.6	835.6	1271.2	1543.3	916.6
50°	1263.0	1249.2	1188.7	1055.4	918.0	760.0	869.9	898.8	1374.3	1690.4	989.5
52.5°	1367.4	1342.7	1279.4	1132.4	981.2	819.1	989.5	1008.7	1492.5	1844.3	1073.3
55°	1469.1	1433.4	1346.8	1212.1	1041.7	887.8	1118.7	1122.8	1627.1	2002.3	1176.4
57.5°	1621.6	1584.5	1459.5	1286.3	1121.4	975.7	1243.7	1257.5	1760.4	2179.6	1297.3
60°	1833.3	1807.2	1656.0	1462.2	1263.0	1092.5	1393.5	1421.0	1892.4	2356.9	1416.9
62.5°	1914.4	1884.1	1770.1	1635.4	1465.0	1302.8	1579.0	1653.2	2011.9	2535.5	1555.7
65°	1694.5	1694.5	1634.0	1642.3	1591.4	1639.5	1842.9	1929.5	2152.1	2677.1	1675.2
67.5°	1102.2	1107.7	1146.1	1309.7	1491.1	1911.6	2297.8	2417.3	2365.1	2829.6	1775.6
70°	500.2	519.5	603.3	830.1	1135.1	1928.1	2821.4	2995.9	2612.5	2934.1	1811.3
72.5°	327.1	333.9	353.2	438.4	667.9	1651.9	3111.3	3283.1	2837.9	2924.4	1746.7
75°	273.5	269.4	280.4	310.6	336.7	1133.8	2960.2	3103.1	2809.0	2751.3	1590.0
77.5°	226.8	222.6	233.6	250.1	199.3	622.5	2461.3	2543.8	2429.7	2351.4	1297.3
80°	174.5	174.5	180.0	202.0	145.7	302.3	1829.2	1891.0	1798.9	1679.4	776.5
82.5°	119.6	118.2	130.6	155.3	116.8	174.5	1249.2	1250.6	1074.7	817.7	365.6
85°	53.6	53.6	64.6	89.3	68.7	108.6	570.3	590.9	365.6	261.1	163.5
87.5°	17.9	17.9	19.2	22.0	23.4	50.8	159.4	162.2	141.5	160.8	120.9
90°	16.5	16.5	16.5	16.5	17.9	49.5	142.9	142.9	126.4	149.8	120.9
92.5°	16.5	16.5	15.1	13.7	15.1	45.4	158.0	170.4	138.8	156.7	126.4
95°	16.5	16.5	13.7	12.4	13.7	33.0	158.0	169.0	145.7	136.1	114.1
97.5°	11.0	11.0	9.6	9.6	11.0	19.2	115.4	119.6	93.5	68.7	68.7
100°	9.6	9.6	6.9	6.9	8.2	11.0	61.8	66.0	45.4	22.0	22.0
102.5°	9.6	9.6	5.5	5.5	5.5	6.9	17.9	19.2	16.5	9.6	11.0
105°	11.0	11.0	5.5	4.1	4.1	5.5	8.2	8.2	9.6	8.2	11.0
107.5°	9.6	9.6	4.1	4.1	4.1	4.1	4.1	4.1	5.5	8.2	11.0
110°	6.9	5.5	4.1	4.1	2.7	4.1	4.1	4.1	4.1	6.9	9.6

REPORT NUMBER: P695037
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	4.1	4.1	2.7	2.7	2.7	4.1	2.7	2.7	4.1	5.5	8.2
115°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	6.9
117.5°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	8.2
120°	4.1	4.1	2.7	1.4	2.7	2.7	2.7	2.7	2.7	5.5	8.2
122.5°	4.1	4.1	2.7	1.4	2.7	2.7	2.7	2.7	2.7	5.5	8.2
125°	4.1	4.1	2.7	1.4	2.7	1.4	2.7	2.7	2.7	5.5	6.9
127.5°	4.1	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	4.1	6.9
130°	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	4.1	6.9
132.5°	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	4.1	5.5
135°	2.7	2.7	1.4	1.4	2.7	2.7	2.7	2.7	2.7	2.7	4.1
137.5°	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7	2.7	4.1
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
147.5°	2.7	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
150°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
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: P695037

CATALOG NUMBER: LXF.LXT-PA16-40-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	4.1	4.1	2.7	2.7	2.7	2.7	4.1	4.1	4.1	4.1	4.1
5°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
7.5°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
10°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
12.5°	33.0	28.9	22.0	12.4	5.5	2.7	2.7	2.7	4.1	5.5	5.5
15°	171.8	160.8	129.2	85.2	27.5	6.9	4.1	12.4	38.5	52.2	50.8
17.5°	196.5	180.0	134.7	93.5	75.6	34.4	35.7	64.6	75.6	81.1	79.7
20°	339.4	280.4	166.3	108.6	88.0	82.5	72.8	82.5	93.5	100.3	101.7
22.5°	386.2	321.6	197.9	162.2	112.7	116.8	108.6	104.4	148.4	159.4	162.2
25°	417.8	333.9	207.5	182.8	171.8	136.1	149.8	153.9	171.8	178.7	180.0
27.5°	536.0	393.0	255.6	208.9	192.4	171.8	177.3	177.3	196.5	229.5	230.9
30°	529.1	369.7	268.0	244.6	215.8	202.0	193.8	225.4	250.1	257.0	258.4
32.5°	619.8	399.9	299.6	258.4	240.5	214.4	229.5	247.4	262.5	281.7	292.7
35°	567.6	361.4	312.0	290.0	254.2	235.0	248.7	265.2	316.1	332.6	332.6
37.5°	509.9	329.8	301.0	292.7	273.5	250.1	254.2	299.6	323.0	316.1	316.1
40°	457.6	307.8	291.3	287.2	274.9	250.1	269.4	291.3	313.3	307.8	307.8
42.5°	424.6	294.1	281.7	279.0	269.4	246.0	261.1	287.2	312.0	302.3	301.0
45°	412.3	281.7	274.9	269.4	254.2	236.4	255.6	290.0	309.2	298.2	296.8
47.5°	424.6	274.9	268.0	261.1	241.9	221.3	258.4	285.8	303.7	287.2	284.5
50°	464.5	274.9	259.7	250.1	232.3	221.3	254.2	276.2	290.0	270.7	266.6
52.5°	516.7	280.4	251.5	237.7	222.6	219.9	248.7	270.7	279.0	258.4	257.0
55°	588.2	290.0	240.5	228.1	207.5	214.4	248.7	272.1	269.4	246.0	244.6
57.5°	661.0	301.0	230.9	221.3	197.9	207.5	246.0	273.5	257.0	228.1	228.1
60°	739.4	314.7	218.5	213.0	191.0	197.9	237.7	270.7	244.6	214.4	214.4
62.5°	817.7	321.6	208.9	204.8	182.8	188.3	228.1	262.5	240.5	211.6	211.6
65°	880.9	314.7	199.3	193.8	171.8	177.3	214.4	255.6	233.6	213.0	214.4
67.5°	916.6	295.5	189.6	185.5	160.8	166.3	197.9	240.5	222.6	211.6	214.4
70°	900.1	262.5	177.3	171.8	149.8	156.7	182.8	222.6	215.8	211.6	215.8
72.5°	828.7	237.7	162.2	159.4	136.1	145.7	173.2	207.5	207.5	219.9	221.3
75°	738.0	211.6	149.8	147.0	126.4	133.3	169.0	189.6	193.8	210.3	214.4
77.5°	599.2	177.3	131.9	134.7	123.7	123.7	160.8	178.7	182.8	202.0	203.4
80°	366.9	130.6	114.1	120.9	114.1	118.2	151.2	166.3	169.0	195.1	197.9
82.5°	182.8	92.1	97.6	107.2	101.7	116.8	144.3	158.0	171.8	197.9	199.3
85°	93.5	56.3	74.2	86.6	88.0	129.2	141.5	163.5	160.8	178.7	182.8
87.5°	59.1	28.9	42.6	46.7	66.0	122.3	125.1	134.7	131.9	152.5	152.5
90°	57.7	23.4	37.1	35.7	66.0	104.4	96.2	97.6	104.4	129.2	130.6
92.5°	60.5	22.0	38.5	35.7	70.1	82.5	77.0	74.2	82.5	97.6	100.3
95°	53.6	20.6	41.2	38.5	60.5	55.0	49.5	55.0	53.6	53.6	55.0
97.5°	31.6	15.1	39.9	38.5	48.1	28.9	33.0	41.2	31.6	23.4	22.0
100°	13.7	9.6	38.5	37.1	30.2	17.9	27.5	34.4	23.4	9.6	9.6
102.5°	8.2	8.2	27.5	34.4	17.9	9.6	20.6	23.4	13.7	8.2	8.2
105°	8.2	8.2	13.7	20.6	6.9	5.5	9.6	11.0	6.9	6.9	6.9
107.5°	8.2	8.2	6.9	6.9	5.5	5.5	5.5	5.5	5.5	6.9	6.9
110°	8.2	8.2	5.5	6.9	5.5	4.1	4.1	4.1	5.5	6.9	6.9

REPORT NUMBER: P695037
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	6.9	5.5	5.5	4.1	4.1	4.1	4.1	5.5	6.9	6.9
115°	6.9	6.9	5.5	4.1	4.1	4.1	4.1	4.1	5.5	6.9	6.9
117.5°	6.9	5.5	4.1	4.1	4.1	4.1	4.1	4.1	5.5	8.2	8.2
120°	6.9	5.5	4.1	4.1	2.7	2.7	4.1	4.1	5.5	8.2	8.2
122.5°	6.9	6.9	4.1	4.1	2.7	2.7	2.7	4.1	5.5	8.2	8.2
125°	6.9	5.5	4.1	4.1	2.7	2.7	2.7	2.7	5.5	8.2	8.2
127.5°	6.9	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
130°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	6.9	8.2
132.5°	5.5	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	6.9	6.9
135°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	5.5	5.5
137.5°	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
140°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	2.7	4.1	4.1
142.5°	2.7	2.7	2.7	2.7	1.4	2.7	2.7	2.7	4.1	4.1	4.1
145°	4.1	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	4.1
147.5°	4.1	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	4.1
150°	4.1	4.1	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	4.1
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)