

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: P695042

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3869.9 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

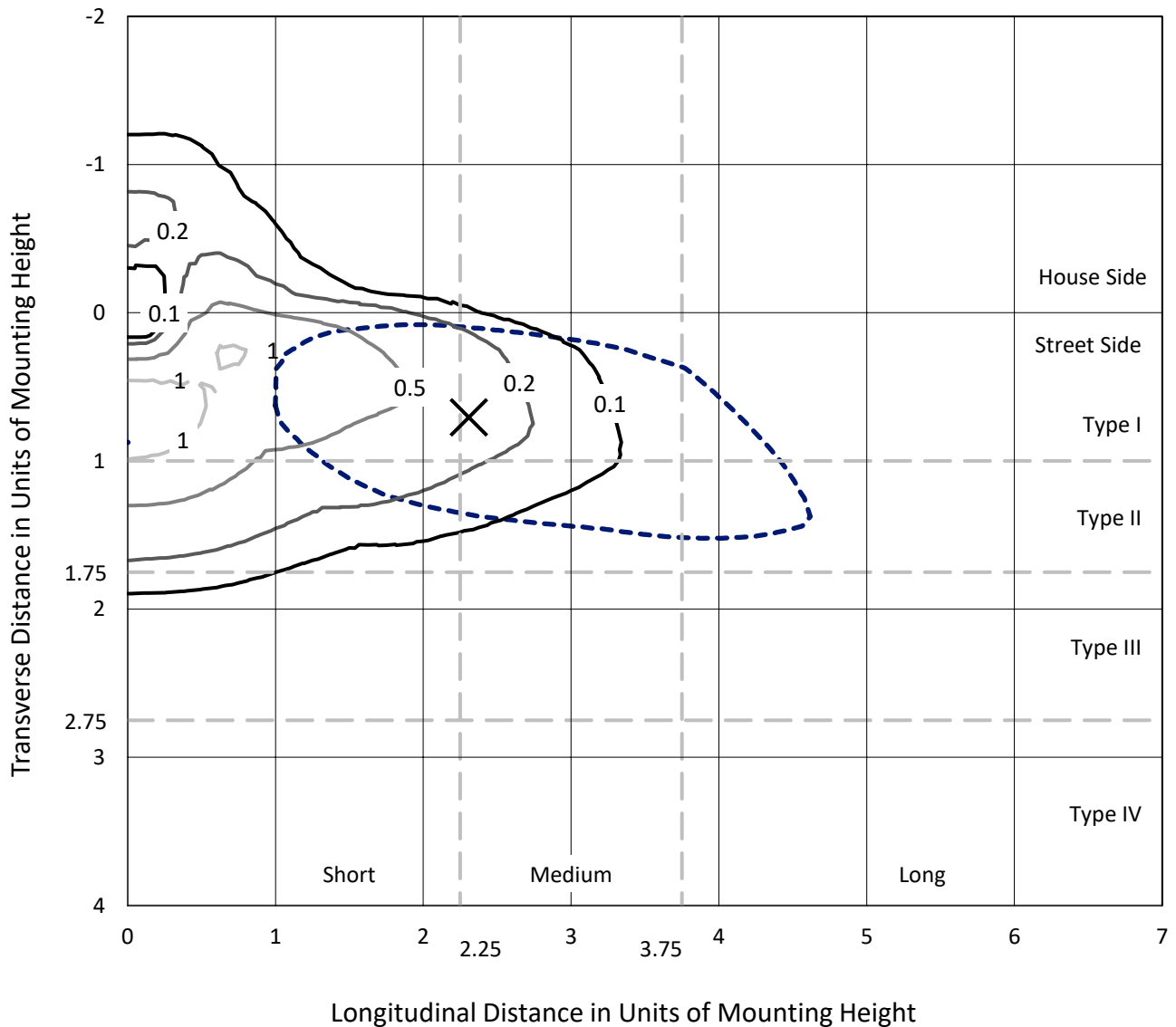
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

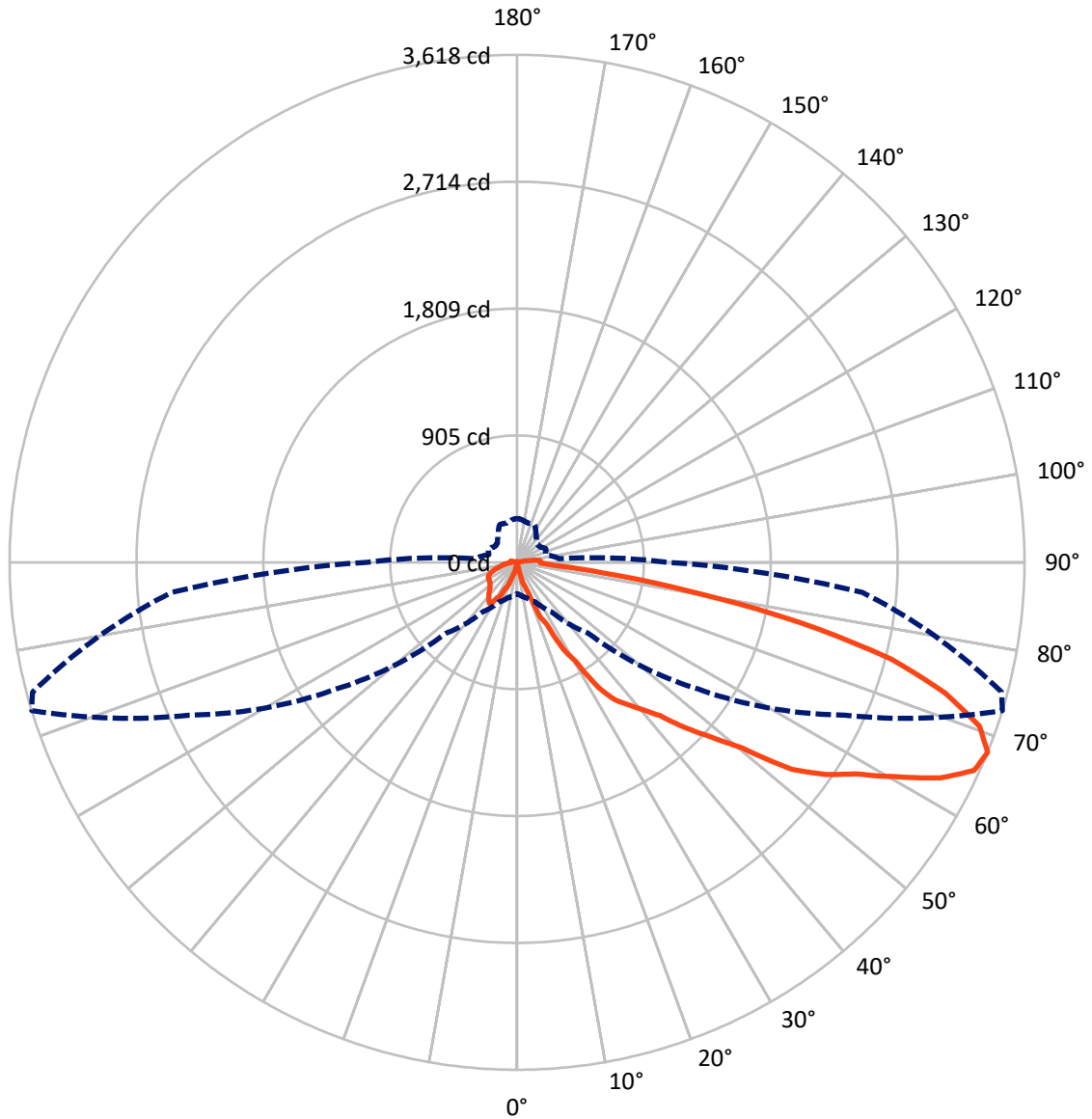
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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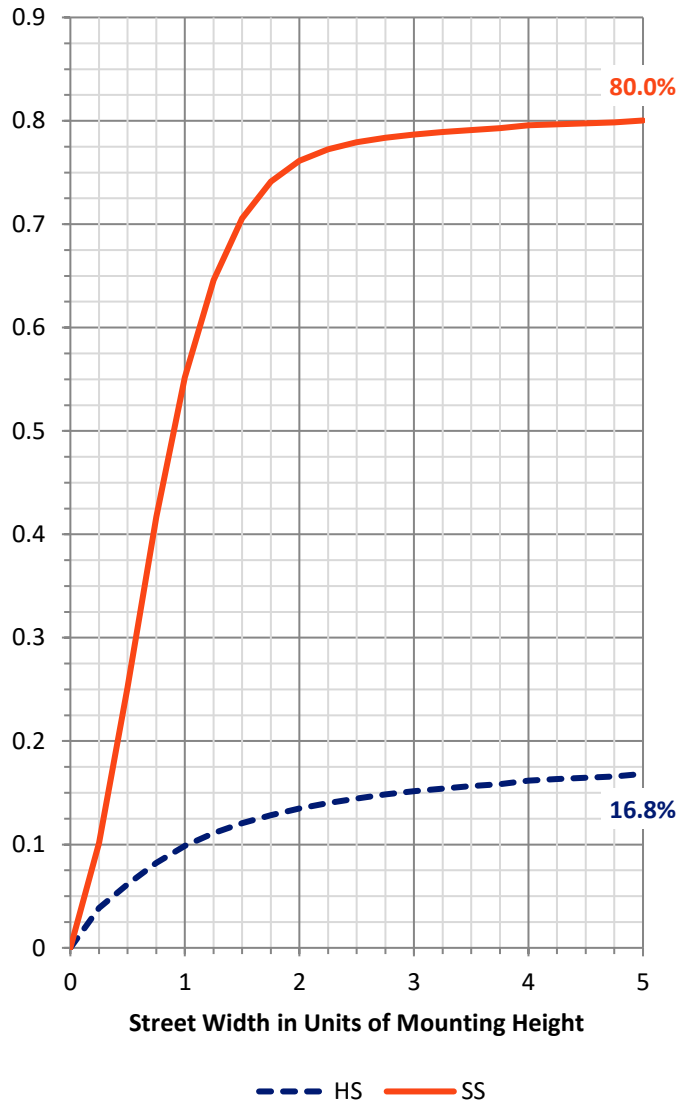
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	684.1	29.1	713.2
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	3121.0	35.7	3156.7
	% Fixture	80.6	0.9	81.6
Total	Lumens	3805.1	64.8	3869.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	31.3	0.8
20°-30°	193.7	5.0
30°-40°	487.3	12.6
40°-50°	703.7	18.2
50°-60°	860.6	22.2
60°-70°	848.5	21.9
70°-80°	533.8	13.8
80°-90°	145.9	3.8
90°-100°	42.4	1.1
100°-110°	9.1	0.2
110°-120°	4.6	0.1
120°-130°	3.8	0.1
130°-140°	2.7	0.1
140°-150°	1.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3805.1	98.3
0°-180°	3869.9	100.0

Coefficient of Utilization

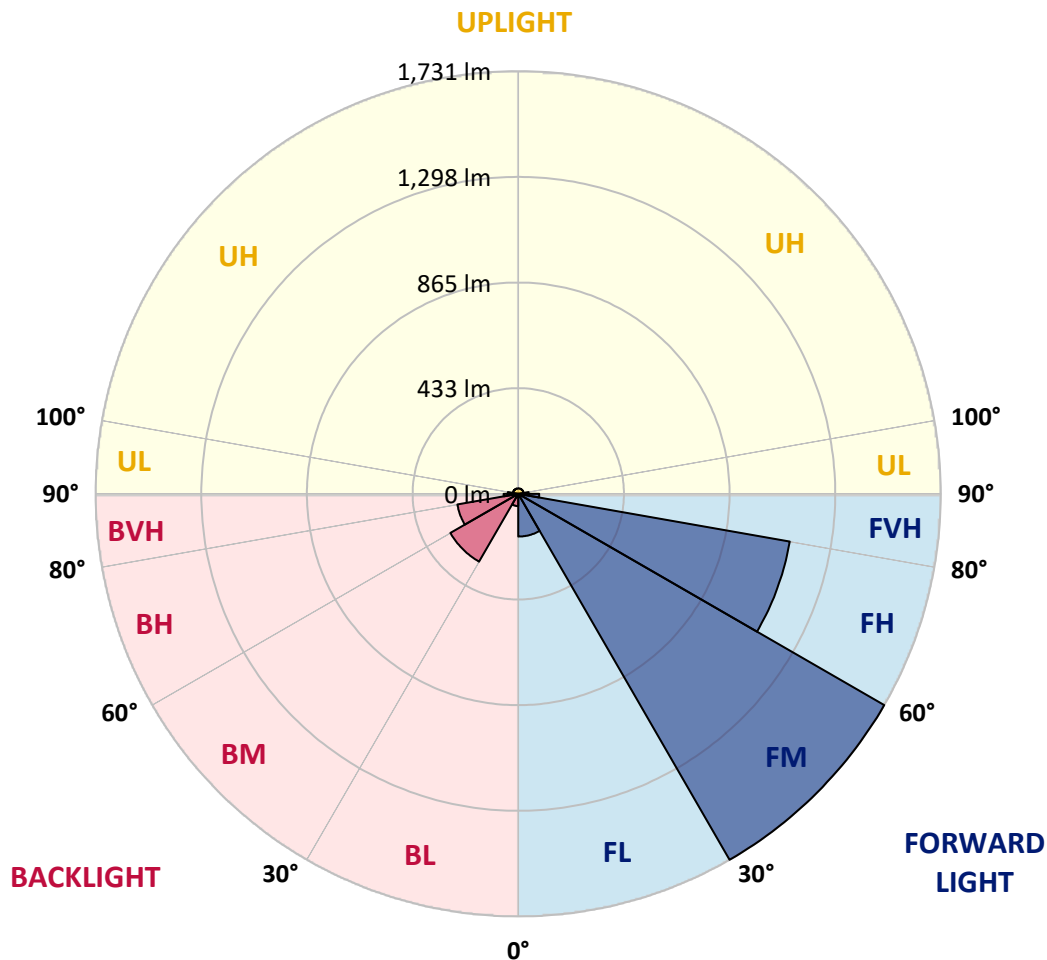


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.1	4.5			
FM (30°-60°)	1730.7	44.7			
FH (60°-80°)	1129.2	29.2			G1/1800
FVH (80°-90°)	86.0	2.2			G1/100
BL (0°-30°)	50.2	1.3	B0/110		
BM (30°-60°)	320.9	8.3	B1/1000		
BH (60°-80°)	253.0	6.5	B1/500		G1/500
BVH (80°-90°)	60.0	1.5			G1/100
UL (90°-100°)	42.4	1.1		U2/50	
UH (100°-180°)	22.4	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7
5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7
7.5°	5.5	6.9	5.5	5.5	5.5	5.5	5.5	4.1	2.7	2.7	2.7
10°	23.4	22.0	15.1	13.7	8.2	6.9	5.5	4.1	4.1	4.1	4.1
12.5°	184.1	182.8	178.7	160.8	27.5	13.7	8.2	11.0	15.1	17.9	20.6
15°	211.6	214.4	210.3	206.1	199.3	66.0	28.9	159.4	148.4	142.9	109.9
17.5°	382.0	285.8	251.5	246.0	230.9	193.8	175.9	195.1	177.3	171.8	133.3
20°	525.0	522.2	512.6	494.7	277.6	353.2	338.1	229.5	232.2	246.0	262.5
22.5°	586.8	584.1	571.7	552.4	577.2	406.8	383.4	426.0	421.9	409.5	317.5
25°	962.0	949.6	882.3	643.1	644.5	567.6	588.2	548.3	483.7	471.4	369.7
27.5°	1043.1	1049.9	1033.4	938.6	738.0	755.8	645.9	630.8	703.6	724.2	559.3
30°	1394.9	1427.8	1269.8	1070.5	967.5	825.9	791.6	865.8	813.6	790.2	611.5
32.5°	1629.9	1614.7	1584.5	1335.8	1098.0	989.5	988.1	955.1	1065.0	1062.3	858.9
35°	1723.3	1710.9	1680.7	1463.6	1262.9	1161.2	1074.7	1187.3	1205.2	1159.9	916.6
37.5°	1793.4	1779.6	1743.9	1510.3	1394.9	1231.3	1267.1	1272.5	1289.0	1279.4	967.5
40°	1797.5	1789.3	1764.5	1576.3	1467.7	1286.3	1372.9	1385.2	1381.1	1405.9	1032.1
42.5°	1782.4	1765.9	1750.8	1588.6	1506.2	1328.9	1453.9	1525.4	1495.2	1530.9	1107.6
45°	1723.3	1704.1	1697.2	1588.6	1500.7	1357.8	1548.8	1657.3	1680.7	1649.1	1190.1
47.5°	1623.0	1618.9	1621.6	1551.5	1495.2	1390.7	1639.5	1757.7	1859.4	1809.9	1311.0
50°	1521.3	1528.2	1547.4	1508.9	1478.7	1410.0	1754.9	1930.8	2080.6	2013.3	1492.4
52.5°	1360.5	1370.1	1425.1	1440.2	1432.0	1408.6	1844.2	2164.4	2451.7	2358.2	1680.7
55°	1213.5	1219.0	1256.1	1311.0	1342.6	1379.7	1880.0	2267.5	2670.2	2564.3	1803.0
57.5°	1045.8	1034.8	1082.9	1162.6	1234.1	1339.9	1917.1	2348.6	2846.1	2788.3	1962.4
60°	846.5	823.2	893.3	967.5	1076.0	1257.4	1940.4	2488.8	3104.4	3071.4	2194.7
62.5°	570.3	581.3	651.4	751.7	902.9	1118.6	1914.3	2616.6	3384.8	3365.5	2388.4
65°	358.7	373.8	419.1	505.7	659.6	941.4	1804.4	2677.0	3579.9	3546.9	2499.7
67.5°	224.0	233.6	262.5	314.7	432.9	713.2	1576.3	2579.5	3618.4	3575.8	2472.3
70°	185.5	188.3	192.4	204.8	266.6	493.4	1253.3	2326.6	3496.1	3502.9	2358.2
72.5°	166.3	169.0	169.0	167.7	171.8	309.2	893.3	1973.4	3191.0	3191.0	2131.5
75°	152.5	153.9	149.8	148.4	145.7	192.4	545.6	1563.9	2755.4	2703.1	1781.0
77.5°	134.7	137.4	133.3	133.3	131.9	147.0	316.1	1192.8	2064.1	1976.2	1201.1
80°	115.4	115.4	115.4	115.4	116.8	116.8	197.9	819.0	1243.7	1146.1	648.6
82.5°	92.1	90.7	93.4	98.9	96.2	89.3	152.5	476.9	603.3	546.9	320.2
85°	35.7	44.0	50.8	61.8	64.6	61.8	116.8	235.0	257.0	274.8	197.9
87.5°	20.6	20.6	16.5	16.5	17.9	24.7	72.8	141.5	166.3	186.9	174.5
90°	22.0	22.0	16.5	15.1	15.1	20.6	63.2	129.2	169.0	188.3	177.3
92.5°	23.4	23.4	16.5	15.1	15.1	16.5	52.2	115.4	167.7	192.4	173.2
95°	20.6	22.0	15.1	13.7	15.1	15.1	38.5	92.1	155.3	158.0	162.2
97.5°	13.7	15.1	9.6	11.0	13.7	12.4	20.6	53.6	82.5	63.2	75.6
100°	8.2	9.6	6.9	8.2	9.6	9.6	11.0	23.4	20.6	13.7	13.7
102.5°	8.2	8.2	5.5	6.9	6.9	5.5	5.5	9.6	8.2	8.2	13.7
105°	8.2	8.2	5.5	5.5	4.1	4.1	4.1	6.9	6.9	8.2	13.7
107.5°	5.5	6.9	4.1	4.1	4.1	4.1	2.7	4.1	6.9	6.9	15.1
110°	4.1	4.1	2.7	2.7	2.7	4.1	2.7	4.1	5.5	6.9	11.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2.7	4.1	2.7	2.7	2.7	2.7	2.7	4.1	5.5	5.5	6.9
115°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	5.5	8.2
117.5°	4.1	4.1	2.7	2.7	1.4	2.7	2.7	2.7	4.1	5.5	8.2
120°	4.1	4.1	2.7	2.7	1.4	1.4	2.7	2.7	5.5	5.5	8.2
122.5°	4.1	4.1	2.7	1.4	1.4	1.4	2.7	2.7	4.1	5.5	8.2
125°	4.1	4.1	2.7	1.4	1.4	1.4	2.7	2.7	4.1	5.5	6.9
127.5°	4.1	4.1	2.7	1.4	1.4	1.4	2.7	2.7	4.1	4.1	6.9
130°	4.1	4.1	2.7	1.4	1.4	1.4	2.7	2.7	4.1	4.1	6.9
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	5.5
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7
145°	5.5	5.5	5.5	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	5.5	5.5	5.5	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7
150°	5.5	6.9	5.5	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
5°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7
7.5°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7
10°	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	1.4
12.5°	20.6	20.6	15.1	6.9	2.7	1.4	1.4	1.4	4.1	4.1	4.1
15°	100.3	90.7	81.1	71.5	19.2	2.7	2.7	12.4	46.7	66.0	68.7
17.5°	116.8	105.8	94.8	86.6	77.0	28.9	31.6	82.5	85.2	86.6	85.2
20°	225.4	200.6	130.6	98.9	85.2	89.3	78.3	88.0	94.8	97.6	97.6
22.5°	268.0	230.9	197.9	173.2	101.7	122.3	114.1	101.7	158.0	162.2	163.5
25°	310.6	262.5	213.0	184.1	177.3	126.4	134.7	155.3	167.7	170.4	169.0
27.5°	453.5	373.8	298.2	199.3	188.3	158.0	169.0	163.5	178.7	218.5	222.6
30°	487.9	388.9	303.7	241.9	197.9	185.5	174.5	213.0	230.9	230.9	232.2
32.5°	676.1	519.5	373.8	241.9	218.5	186.9	208.9	222.6	233.6	250.1	244.6
35°	707.7	525.0	369.7	280.3	218.5	196.5	215.8	229.5	280.3	285.8	284.5
37.5°	733.8	519.5	349.1	272.1	236.4	208.9	219.9	262.5	283.1	281.7	279.0
40°	762.7	511.2	328.4	266.6	235.0	210.3	235.0	263.9	276.2	269.4	262.5
42.5°	795.7	498.9	310.6	254.2	229.5	211.6	236.4	257.0	255.6	251.5	247.4
45°	838.3	485.1	290.0	243.2	226.8	208.9	232.2	239.1	248.7	246.0	243.2
47.5°	901.5	471.4	272.1	233.6	224.0	204.8	235.0	243.2	251.5	244.6	243.2
50°	995.0	452.1	257.0	230.9	222.6	217.1	215.8	250.1	257.0	240.5	237.7
52.5°	1058.2	430.1	248.7	228.1	218.5	211.6	229.5	247.4	254.2	235.0	233.6
55°	1100.8	398.5	241.9	228.1	215.8	199.3	248.7	252.9	252.9	230.9	228.1
57.5°	1147.5	376.5	237.7	232.2	214.4	185.5	259.7	258.4	252.9	224.0	225.4
60°	1214.8	362.8	233.6	236.4	214.4	189.6	255.6	270.7	252.9	228.1	236.4
62.5°	1253.3	349.1	230.9	237.7	211.6	189.6	247.4	288.6	273.5	255.6	257.0
65°	1199.7	331.2	222.6	236.4	207.5	193.8	239.1	295.5	292.7	284.5	285.8
67.5°	1077.4	301.0	207.5	226.8	193.8	196.5	235.0	295.5	290.0	307.8	312.0
70°	941.4	265.2	185.5	210.3	184.1	193.8	244.6	285.8	285.8	318.8	325.7
72.5°	797.1	217.1	160.8	192.4	184.1	188.3	255.6	274.8	274.8	318.8	317.5
75°	654.1	173.2	134.7	164.9	170.4	188.3	254.2	262.5	255.6	291.3	284.5
77.5°	478.2	137.4	115.4	138.8	153.9	188.3	246.0	244.6	233.6	250.1	247.4
80°	294.1	108.6	97.6	118.2	129.2	180.0	232.2	222.6	203.4	211.6	208.9
82.5°	170.4	81.1	82.5	100.3	103.1	164.9	210.3	193.8	173.2	177.3	173.2
85°	109.9	52.2	64.6	77.0	81.1	134.7	180.0	163.5	140.2	181.4	173.2
87.5°	85.2	30.2	44.0	50.8	49.5	59.1	103.1	97.6	96.2	78.3	75.6
90°	79.7	26.1	44.0	44.0	35.7	28.9	39.9	41.2	34.4	37.1	33.0
92.5°	71.5	26.1	46.7	44.0	31.6	23.4	33.0	33.0	26.1	24.7	23.4
95°	59.1	23.4	49.5	45.4	28.9	20.6	27.5	26.1	20.6	19.2	17.9
97.5°	31.6	15.1	46.7	41.2	26.1	19.2	24.7	22.0	15.1	13.7	12.4
100°	11.0	9.6	45.4	35.7	22.0	15.1	17.9	16.5	9.6	8.2	6.9
102.5°	9.6	8.2	26.1	26.1	13.7	8.2	11.0	11.0	8.2	6.9	6.9
105°	11.0	8.2	9.6	13.7	6.9	4.1	5.5	6.9	6.9	8.2	8.2
107.5°	11.0	8.2	6.9	6.9	5.5	4.1	4.1	4.1	6.9	8.2	8.2
110°	9.6	8.2	5.5	6.9	5.5	4.1	4.1	4.1	6.9	9.6	9.6

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 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-CL

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	6.9	9.6	11.0
115°	6.9	6.9	4.1	4.1	4.1	4.1	2.7	4.1	6.9	11.0	12.4
117.5°	8.2	6.9	4.1	4.1	2.7	2.7	2.7	4.1	8.2	12.4	13.7
120°	8.2	6.9	4.1	4.1	2.7	2.7	2.7	4.1	8.2	13.7	13.7
122.5°	8.2	6.9	4.1	4.1	2.7	2.7	2.7	4.1	8.2	13.7	13.7
125°	6.9	6.9	4.1	4.1	2.7	2.7	2.7	4.1	8.2	13.7	13.7
127.5°	6.9	5.5	4.1	2.7	2.7	2.7	2.7	4.1	8.2	12.4	13.7
130°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	4.1	8.2	12.4	12.4
132.5°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	4.1	6.9	11.0	11.0
135°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	4.1	5.5	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	5.5	5.5
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
142.5°	2.7	2.7	2.7	2.7	2.7	1.4	2.7	2.7	4.1	4.1	4.1
145°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	2.7
147.5°	2.7	2.7	2.7	2.7	1.4	1.4	1.4	2.7	4.1	4.1	2.7
150°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	2.7	4.1	4.1	2.7
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)