

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: P695339

Luminaire Tested: **LXF.LXT-PA16-50-730-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4953 lumens
Efficiency: N/A
Efficacy: 93.3 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

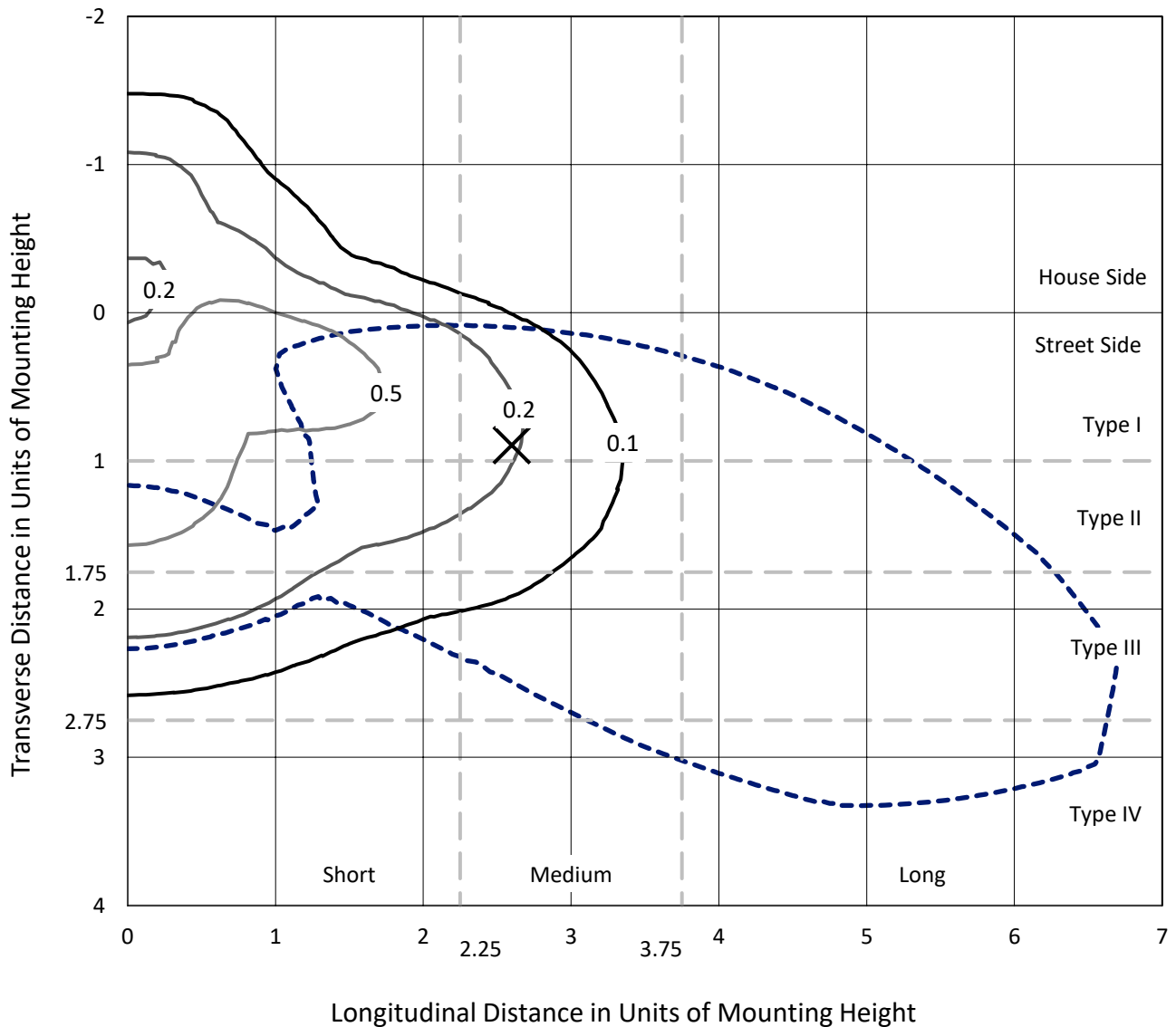
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

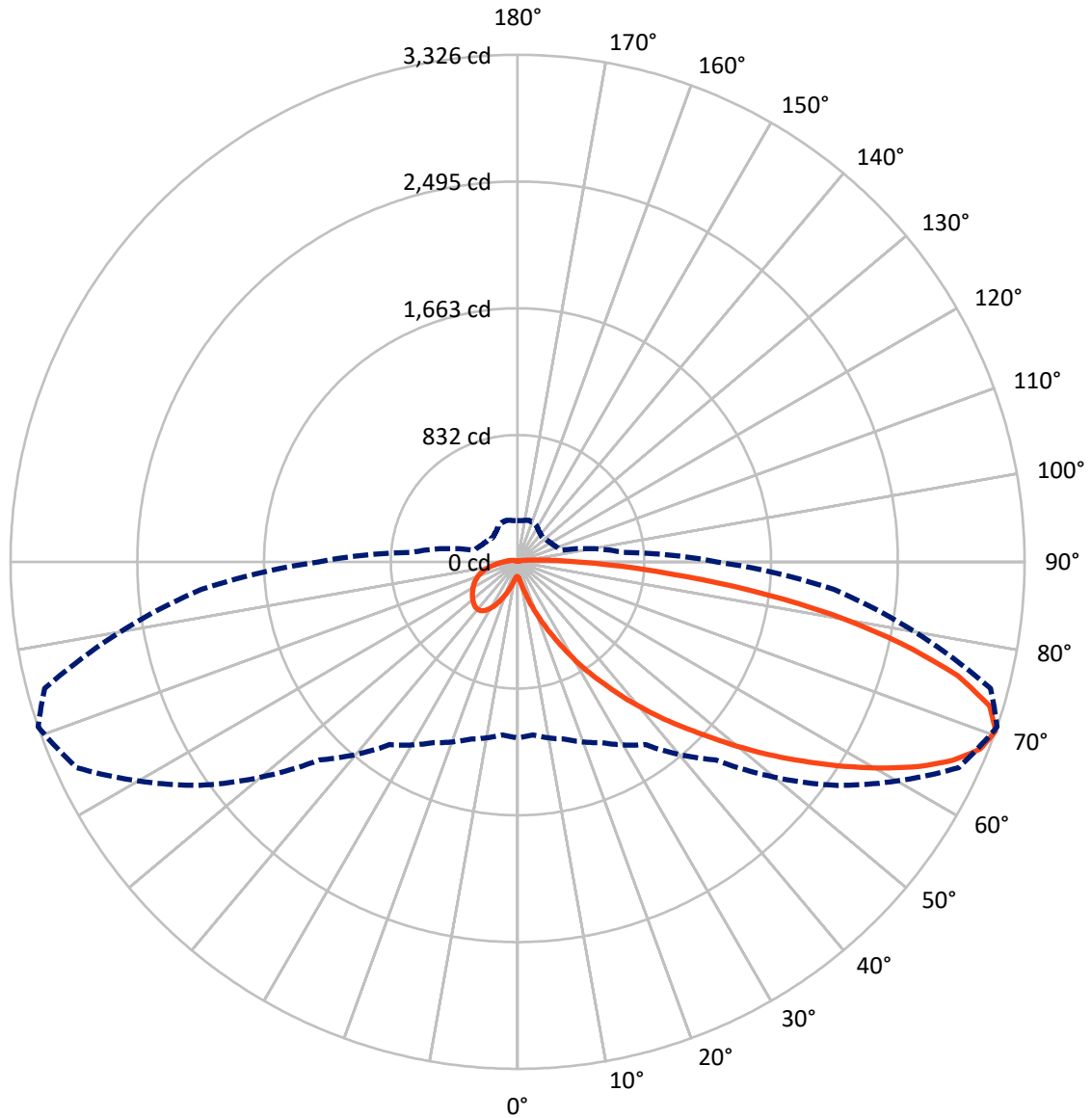
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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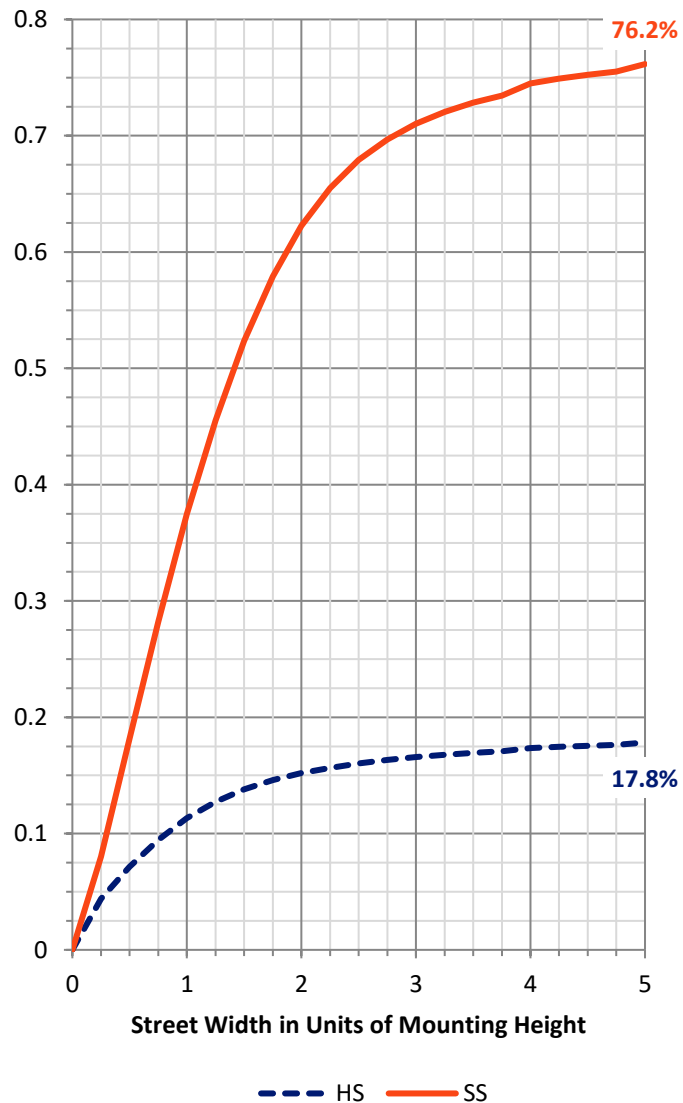
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	925.3	79.5	1004.8
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	3861.7	86.6	3948.2
	% Fixture	78.0	1.7	79.7
Total	Lumens	4787.0	166.0	4953.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.2
10°-20°	57.8	1.2
20°-30°	178.1	3.6
30°-40°	386.5	7.8
40°-50°	645.4	13.0
50°-60°	956.1	19.3
60°-70°	1203.2	24.3
70°-80°	966.7	19.5
80°-90°	382.1	7.7
90°-100°	92.1	1.9
100°-110°	36.2	0.7
110°-120°	18.0	0.4
120°-130°	10.3	0.2
130°-140°	6.1	0.1
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4787.0	96.6
0°-180°	4953.0	100.0

Coefficient of Utilization



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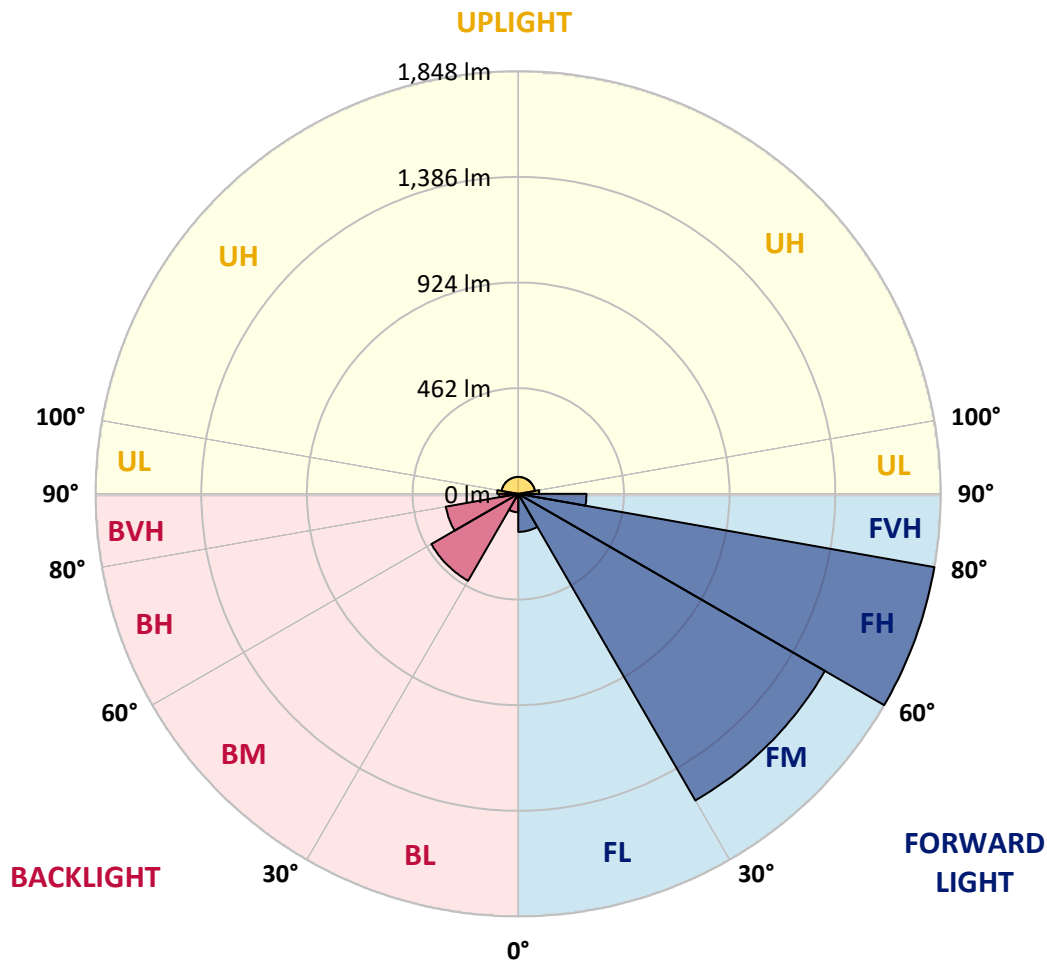
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.5	3.4			
FM (30°-60°)	1548.7	31.3			
FH (60°-80°)	1848.2	37.3			G2/5000
FVH (80°-90°)	298.2	6.0			G3/500
BL (0°-30°)	80.6	1.6	B0/110		
BM (30°-60°)	439.2	8.9	B1/1000		
BH (60°-80°)	321.7	6.5	B1/500		G1/500
BVH (80°-90°)	83.8	1.7			G1/100
UL (90°-100°)	92.1	1.9		U3/500	
UH (100°-180°)	73.9	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5°	109.0	109.0	109.0	109.0	109.0	107.1	105.2	105.2	103.4	103.4	101.5
5°	129.7	129.7	127.8	127.8	125.9	124.0	122.2	118.4	116.5	114.6	110.9
7.5°	154.1	152.2	150.3	150.3	150.3	146.6	142.8	139.1	135.3	131.6	125.9
10°	184.2	182.3	182.3	180.4	178.5	176.7	172.9	167.3	161.6	159.7	150.3
12.5°	219.9	218.0	219.9	218.0	212.4	212.4	210.5	203.0	199.2	195.4	182.3
15°	265.0	265.0	265.0	259.3	257.5	253.7	255.6	249.9	246.2	242.4	225.5
17.5°	321.4	321.4	317.6	312.0	304.4	304.4	306.3	306.3	308.2	296.9	274.4
20°	385.3	390.9	379.6	368.3	358.9	360.8	364.6	375.9	375.9	364.6	338.3
22.5°	467.9	462.3	456.7	434.1	419.1	415.3	430.4	449.2	451.0	449.2	407.8
25°	554.4	552.5	533.7	509.3	483.0	479.2	503.7	533.7	541.2	537.5	488.6
27.5°	646.5	646.5	627.7	584.5	546.9	541.2	571.3	623.9	640.8	642.7	575.1
30°	766.8	755.5	729.2	670.9	622.0	605.1	648.4	723.5	753.6	755.5	669.0
32.5°	870.1	870.1	832.5	766.8	695.3	667.1	719.8	830.6	870.1	866.4	761.1
35°	986.6	977.2	935.9	855.1	766.8	731.0	794.9	937.8	988.5	988.5	849.4
37.5°	1093.7	1082.5	1044.9	949.0	840.0	793.1	873.9	1044.9	1125.7	1125.7	928.4
40°	1199.0	1197.1	1150.1	1041.1	917.1	853.2	950.9	1167.0	1262.9	1255.4	1011.1
42.5°	1317.4	1309.9	1253.5	1137.0	992.3	919.0	1031.7	1294.8	1411.3	1400.1	1090.0
45°	1443.3	1426.4	1362.5	1236.6	1061.8	986.6	1116.3	1420.7	1561.7	1565.5	1178.3
47.5°	1557.9	1554.2	1488.4	1339.9	1152.0	1058.0	1208.4	1578.6	1730.8	1721.4	1261.0
50°	1689.5	1682.0	1603.0	1441.4	1234.7	1140.7	1311.7	1734.6	1920.6	1911.2	1370.0
52.5°	1819.2	1804.1	1721.4	1548.5	1330.5	1230.9	1428.3	1905.6	2116.1	2095.4	1479.0
55°	1930.0	1924.4	1819.2	1655.7	1435.8	1326.8	1567.3	2093.5	2319.0	2309.7	1597.4
57.5°	2020.2	2009.0	1911.2	1749.6	1531.6	1456.5	1728.9	2281.5	2531.4	2508.9	1723.3
60°	2048.4	2037.2	1939.4	1813.5	1621.8	1589.9	1911.2	2491.9	2747.5	2717.5	1849.2
62.5°	1988.3	1977.0	1900.0	1819.2	1687.6	1717.7	2112.3	2715.6	2958.0	2927.9	1971.4
65°	1792.8	1787.2	1757.1	1742.1	1698.9	1817.3	2326.6	2912.9	3138.4	3087.7	2071.0
67.5°	1499.7	1507.2	1511.0	1567.3	1629.3	1873.7	2476.9	3093.3	3275.6	3204.2	2104.8
70°	1153.9	1140.7	1204.6	1309.9	1464.0	1837.9	2557.7	3192.9	3326.3	3211.7	2082.3
72.5°	821.3	823.1	894.5	1033.6	1253.5	1721.4	2542.7	3157.2	3238.0	3104.6	1975.1
75°	567.5	563.8	618.3	755.5	999.8	1503.4	2360.4	2990.0	2982.4	2849.0	1745.9
77.5°	381.5	392.8	432.2	535.6	759.2	1253.5	2078.5	2597.2	2570.9	2403.6	1471.5
80°	268.7	265.0	306.3	383.4	530.0	973.5	1685.7	2121.7	2089.8	1888.7	1148.2
82.5°	180.4	189.8	216.1	265.0	379.6	717.9	1277.9	1571.1	1535.4	1371.9	804.3
85°	118.4	122.2	146.6	186.0	263.1	494.3	873.9	1059.9	996.0	894.5	526.2
87.5°	75.2	78.9	97.7	127.8	182.3	332.6	580.7	654.0	605.1	563.8	319.5
90°	45.1	48.9	63.9	88.3	125.9	223.6	351.4	379.6	338.3	308.2	193.6
92.5°	31.9	33.8	45.1	63.9	92.1	150.3	218.0	218.0	199.2	171.0	122.2
95°	22.6	24.4	33.8	48.9	69.5	103.4	137.2	129.7	114.6	107.1	82.7
97.5°	18.8	18.8	28.2	39.5	56.4	78.9	90.2	82.7	77.1	71.4	62.0
100°	15.0	16.9	24.4	33.8	47.0	60.1	65.8	60.1	54.5	52.6	47.0
102.5°	13.2	15.0	20.7	30.1	39.5	48.9	50.7	45.1	43.2	39.5	35.7
105°	11.3	13.2	16.9	26.3	33.8	41.3	41.3	37.6	33.8	31.9	28.2
107.5°	11.3	11.3	15.0	22.6	30.1	33.8	35.7	30.1	26.3	24.4	22.6
110°	9.4	9.4	13.2	18.8	26.3	30.1	30.1	24.4	20.7	18.8	16.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	9.4	9.4	13.2	16.9	22.6	26.3	24.4	20.7	16.9	15.0	15.0
115°	9.4	9.4	11.3	15.0	20.7	22.6	20.7	16.9	15.0	13.2	13.2
117.5°	7.5	9.4	11.3	15.0	18.8	20.7	18.8	15.0	13.2	11.3	11.3
120°	7.5	7.5	9.4	13.2	15.0	16.9	16.9	13.2	11.3	9.4	11.3
122.5°	7.5	7.5	9.4	11.3	15.0	15.0	15.0	11.3	9.4	9.4	9.4
125°	7.5	7.5	9.4	11.3	13.2	13.2	13.2	9.4	9.4	7.5	9.4
127.5°	7.5	7.5	7.5	9.4	11.3	13.2	11.3	9.4	7.5	7.5	9.4
130°	7.5	7.5	7.5	9.4	11.3	11.3	9.4	7.5	7.5	7.5	7.5
132.5°	7.5	7.5	7.5	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5
135°	7.5	7.5	7.5	7.5	9.4	9.4	7.5	7.5	5.6	5.6	7.5
137.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5
140°	7.5	5.6	5.6	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6
142.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.8	5.6	5.6	5.6
145°	5.6	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	3.8	3.8	3.8	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8
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°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5°	99.6	99.6	97.7	95.8	94.0	92.1	92.1	92.1	92.1	90.2	90.2
5°	107.1	105.2	101.5	97.7	94.0	90.2	88.3	86.4	84.6	84.6	82.7
7.5°	122.2	118.4	110.9	103.4	97.7	92.1	88.3	84.6	82.7	80.8	80.8
10°	144.7	139.1	125.9	114.6	105.2	95.8	90.2	86.4	84.6	82.7	82.7
12.5°	172.9	165.4	146.6	129.7	114.6	103.4	97.7	92.1	90.2	88.3	88.3
15°	214.2	199.2	174.8	150.3	129.7	114.6	107.1	105.2	103.4	103.4	103.4
17.5°	259.3	242.4	204.8	171.0	144.7	129.7	122.2	120.3	122.2	122.2	122.2
20°	313.8	289.4	238.7	195.4	163.5	148.5	142.8	140.9	144.7	146.6	148.5
22.5°	377.7	340.2	272.5	219.9	186.0	169.1	161.6	163.5	169.1	174.8	174.8
25°	449.2	402.2	310.1	244.3	208.6	189.8	184.2	191.7	199.2	206.7	208.6
27.5°	518.7	458.5	347.7	270.6	231.2	208.6	208.6	216.1	234.9	242.4	246.2
30°	592.0	511.2	377.7	296.9	253.7	229.3	231.2	248.1	268.7	280.0	283.8
32.5°	657.8	560.0	402.2	319.5	272.5	249.9	251.8	274.4	302.6	317.6	319.5
35°	723.5	595.7	422.8	340.2	289.4	265.0	272.5	302.6	332.6	349.5	351.4
37.5°	772.4	623.9	432.2	353.3	304.4	276.3	287.5	325.1	358.9	374.0	375.9
40°	817.5	640.8	436.0	362.7	313.8	287.5	300.7	343.9	377.7	392.8	392.8
42.5°	851.3	646.5	434.1	366.5	321.4	293.2	310.1	357.1	390.9	402.2	404.0
45°	887.0	652.1	426.6	366.5	323.2	296.9	313.8	362.7	396.5	404.0	404.0
47.5°	924.6	655.9	417.2	362.7	321.4	296.9	317.6	366.5	396.5	400.3	400.3
50°	977.2	665.3	405.9	355.2	317.6	295.0	317.6	366.5	392.8	389.0	389.0
52.5°	1026.1	678.4	394.7	347.7	312.0	291.3	315.7	364.6	385.3	375.9	375.9
55°	1086.2	687.8	381.5	336.4	304.4	285.7	310.1	357.1	374.0	362.7	360.8
57.5°	1153.9	706.6	370.2	323.2	295.0	280.0	304.4	349.5	362.7	345.8	343.9
60°	1223.4	721.6	357.1	312.0	285.7	270.6	295.0	338.3	347.7	330.8	328.9
62.5°	1276.0	734.8	343.9	300.7	276.3	261.2	285.7	325.1	332.6	315.7	313.8
65°	1321.1	740.4	328.9	287.5	265.0	251.8	274.4	310.1	315.7	300.7	298.8
67.5°	1332.4	729.2	310.1	272.5	251.8	240.5	259.3	293.2	300.7	287.5	283.8
70°	1304.2	699.1	293.2	259.3	240.5	227.4	244.3	274.4	281.9	270.6	270.6
72.5°	1219.7	648.4	272.5	242.4	225.5	212.4	227.4	253.7	263.1	257.5	253.7
75°	1088.1	571.3	248.1	225.5	208.6	197.3	208.6	233.0	242.4	240.5	240.5
77.5°	900.2	486.7	221.8	203.0	191.7	180.4	191.7	210.5	221.8	223.6	221.8
80°	693.5	385.3	191.7	180.4	172.9	163.5	172.9	189.8	199.2	203.0	201.1
82.5°	499.9	293.2	161.6	157.9	152.2	148.5	152.2	165.4	178.5	180.4	180.4
85°	345.8	212.4	135.3	135.3	131.6	129.7	133.4	142.8	152.2	156.0	156.0
87.5°	223.6	152.2	109.0	112.8	114.6	112.8	114.6	118.4	127.8	131.6	129.7
90°	146.6	109.0	90.2	94.0	97.7	97.7	95.8	97.7	107.1	109.0	109.0
92.5°	97.7	82.7	77.1	78.9	82.7	84.6	82.7	82.7	88.3	90.2	88.3
95°	73.3	67.7	65.8	67.7	71.4	71.4	71.4	69.5	73.3	75.2	73.3
97.5°	56.4	54.5	56.4	58.3	62.0	62.0	62.0	60.1	62.0	62.0	60.1
100°	45.1	45.1	48.9	50.7	52.6	52.6	52.6	52.6	52.6	48.9	48.9
102.5°	35.7	37.6	41.3	45.1	45.1	47.0	45.1	45.1	43.2	41.3	39.5
105°	30.1	30.1	35.7	37.6	39.5	39.5	39.5	37.6	35.7	31.9	31.9
107.5°	22.6	24.4	30.1	31.9	33.8	33.8	33.8	31.9	30.1	26.3	26.3
110°	18.8	20.7	24.4	28.2	30.1	30.1	30.1	28.2	24.4	20.7	20.7

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.9	16.9	20.7	24.4	24.4	26.3	26.3	24.4	20.7	16.9	18.8
115°	13.2	15.0	18.8	20.7	22.6	22.6	22.6	20.7	16.9	15.0	15.0
117.5°	13.2	13.2	16.9	18.8	18.8	20.7	18.8	16.9	15.0	13.2	13.2
120°	11.3	13.2	15.0	16.9	16.9	16.9	16.9	15.0	13.2	13.2	13.2
122.5°	11.3	11.3	13.2	15.0	15.0	15.0	15.0	13.2	11.3	11.3	11.3
125°	9.4	11.3	11.3	13.2	13.2	13.2	13.2	11.3	11.3	11.3	11.3
127.5°	9.4	9.4	11.3	11.3	11.3	11.3	11.3	11.3	9.4	9.4	9.4
130°	9.4	9.4	9.4	11.3	11.3	11.3	11.3	9.4	9.4	9.4	9.4
132.5°	7.5	7.5	9.4	9.4	9.4	9.4	9.4	9.4	7.5	9.4	9.4
135°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
140°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.5	7.5
142.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
145°	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6	5.6	5.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	3.8
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)