

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: P695342

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695342
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-PA16-50-730-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5291 lumens
Efficiency: N/A
Efficacy: 99.6 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 - U3 - G2

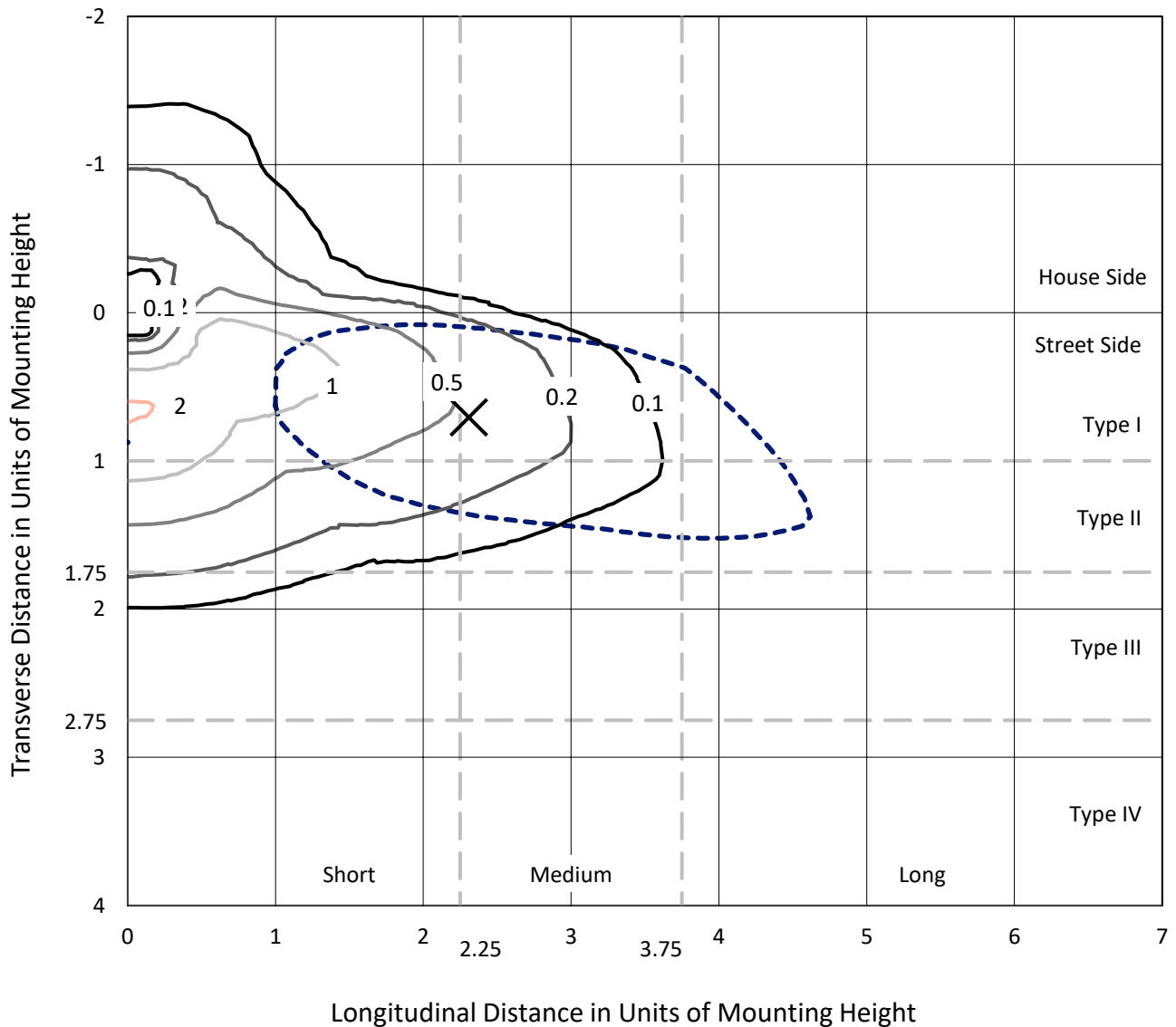
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

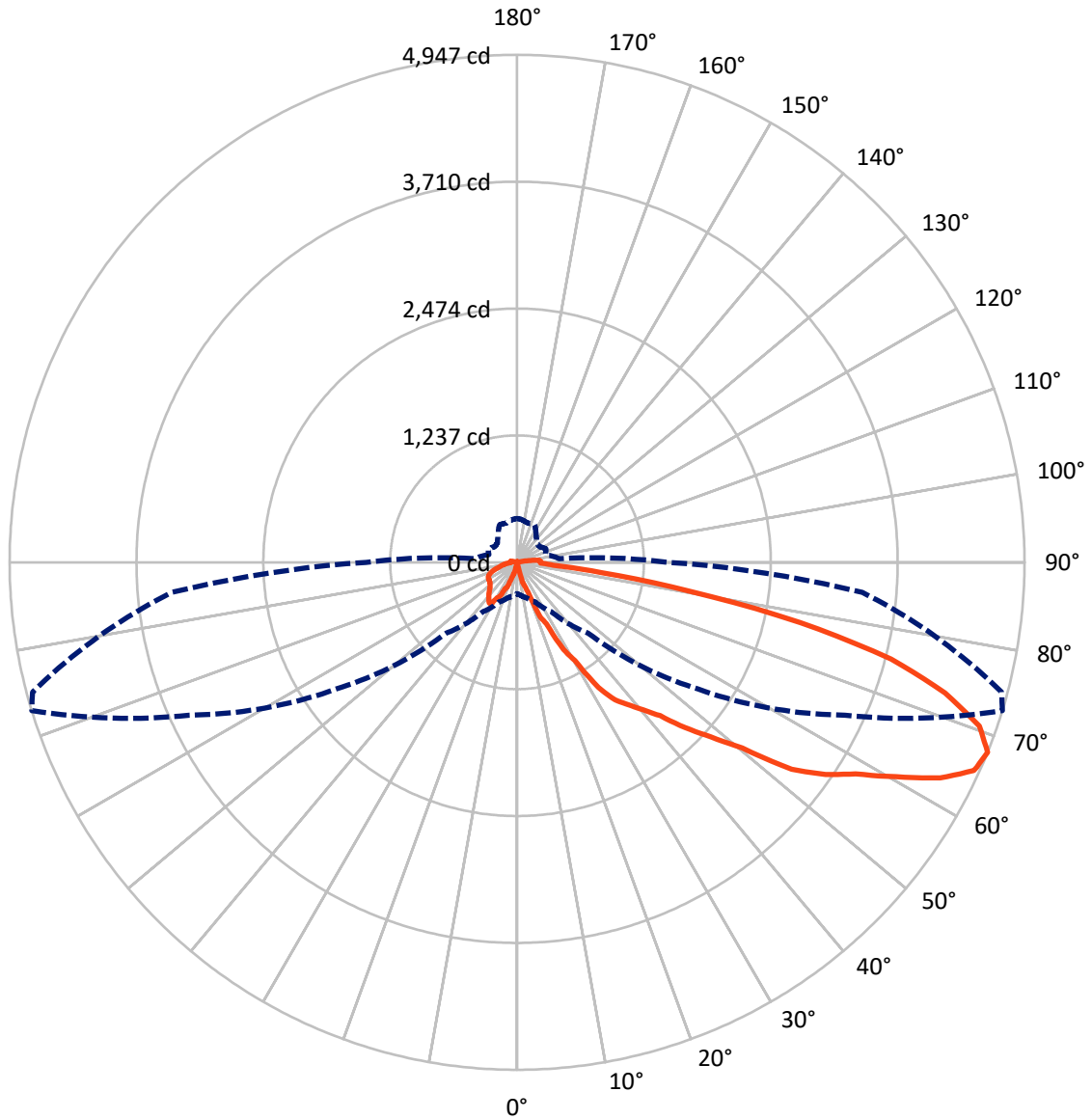
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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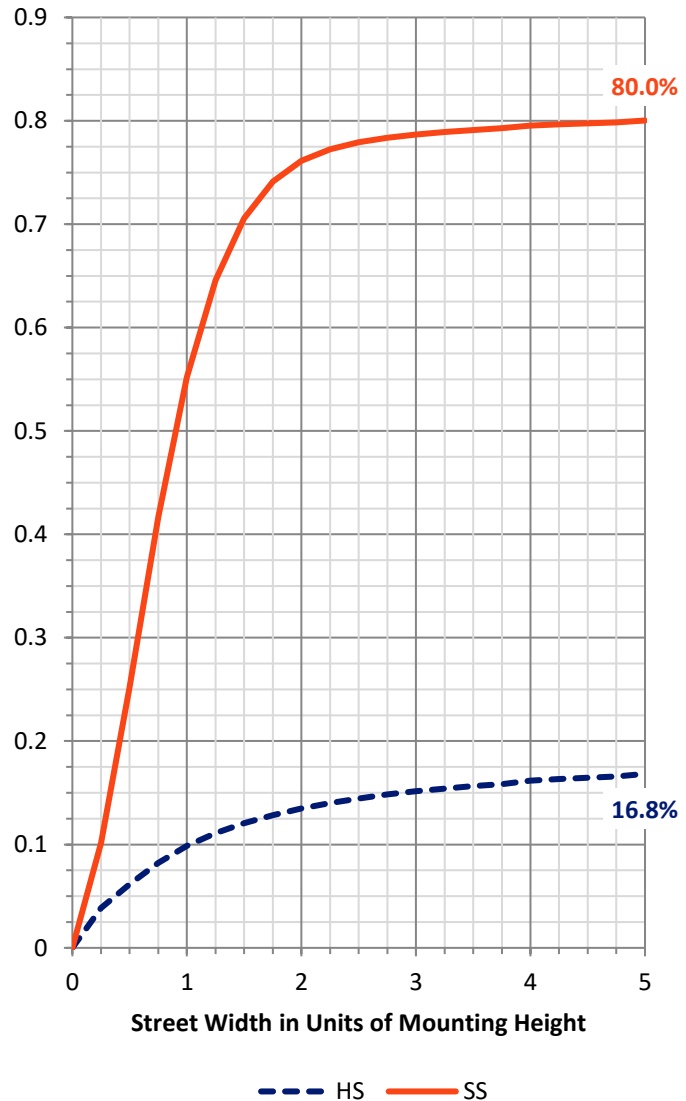
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	935.3	39.8	975.1
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	4266.9	49.0	4315.9
	% Fixture	80.6	0.9	81.6
Total	Lumens	5202.3	88.8	5291.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	42.8	0.8
20°-30°	264.8	5.0
30°-40°	666.2	12.6
40°-50°	962.1	18.2
50°-60°	1176.6	22.2
60°-70°	1160.0	21.9
70°-80°	729.8	13.8
80°-90°	199.5	3.8
90°-100°	58.0	1.1
100°-110°	12.4	0.2
110°-120°	6.4	0.1
120°-130°	5.3	0.1
130°-140°	3.7	0.1
140°-150°	2.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5202.3	98.3
0°-180°	5291.0	100.0

Coefficient of Utilization

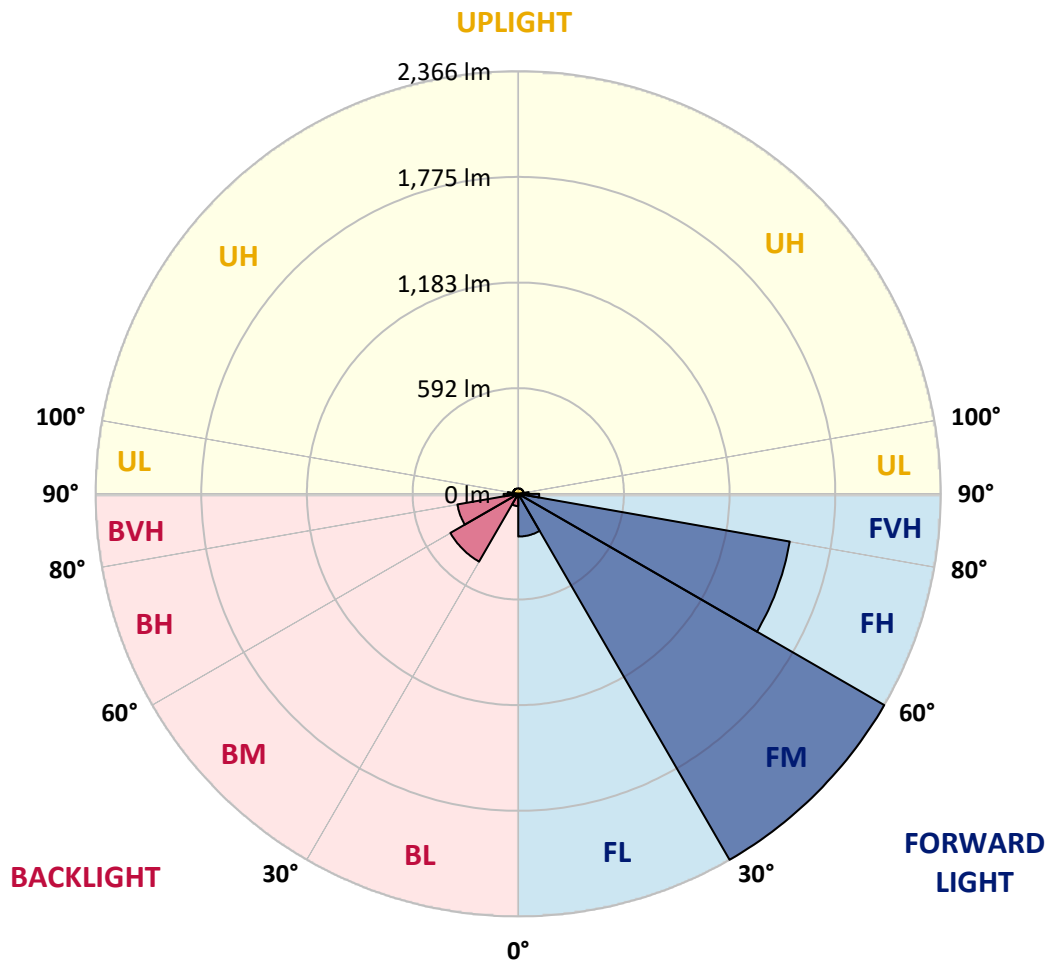


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.5	4.5			
FM (30°-60°)	2366.1	44.7			
FH (60°-80°)	1543.8	29.2			G1/1800
FVH (80°-90°)	117.5	2.2			G2/225
BL (0°-30°)	68.7	1.3	B0/110		
BM (30°-60°)	438.7	8.3	B1/1000		
BH (60°-80°)	346.0	6.5	B1/500		G1/500
BVH (80°-90°)	82.0	1.5			G1/100
UL (90°-100°)	58.0	1.1		U3/500	
UH (100°-180°)	30.8	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8
5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8
7.5°	7.5	9.4	7.5	7.5	7.5	7.5	7.5	5.6	3.8	3.8	3.8
10°	31.9	30.1	20.7	18.8	11.3	9.4	7.5	5.6	5.6	5.6	5.6
12.5°	251.8	249.9	244.2	219.8	37.6	18.8	11.3	15.0	20.7	24.4	28.2
15°	289.3	293.1	287.5	281.8	272.4	90.2	39.5	217.9	202.9	195.4	150.3
17.5°	522.3	390.8	343.8	336.3	315.6	264.9	240.5	266.8	242.4	234.9	182.2
20°	717.7	714.0	700.8	676.4	379.5	482.9	462.2	313.8	317.5	336.3	358.9
22.5°	802.3	798.5	781.6	755.3	789.1	556.1	524.2	582.4	576.8	559.9	434.0
25°	1315.2	1298.3	1206.2	879.3	881.2	776.0	804.1	749.7	661.4	644.4	505.4
27.5°	1426.0	1435.4	1412.9	1283.2	1008.9	1033.4	883.1	862.4	962.0	990.2	764.7
30°	1907.0	1952.1	1736.1	1463.6	1322.7	1129.2	1082.2	1183.7	1112.3	1080.3	836.1
32.5°	2228.3	2207.6	2166.3	1826.2	1501.2	1352.8	1350.9	1305.8	1456.1	1452.3	1174.3
35°	2356.1	2339.2	2297.8	2001.0	1726.7	1587.6	1469.3	1623.3	1647.7	1585.7	1253.2
37.5°	2451.9	2433.1	2384.3	2064.8	1907.0	1683.4	1732.3	1739.8	1762.4	1749.2	1322.7
40°	2457.5	2446.3	2412.4	2155.0	2006.6	1758.6	1877.0	1893.9	1888.2	1922.1	1411.0
42.5°	2436.9	2414.3	2393.6	2171.9	2059.2	1816.8	1987.8	2085.5	2044.2	2093.0	1514.3
45°	2356.1	2329.8	2320.4	2171.9	2051.7	1856.3	2117.5	2265.9	2297.8	2254.6	1627.1
47.5°	2218.9	2213.3	2217.0	2121.2	2044.2	1901.4	2241.5	2403.0	2542.1	2474.4	1792.4
50°	2079.9	2089.3	2115.6	2063.0	2021.6	1927.7	2399.3	2639.8	2844.6	2752.5	2040.4
52.5°	1860.1	1873.2	1948.4	1969.0	1957.8	1925.8	2521.4	2959.2	3351.9	3224.1	2297.8
55°	1659.0	1666.5	1717.3	1792.4	1835.6	1886.4	2570.3	3100.1	3650.6	3505.9	2465.0
57.5°	1429.8	1414.8	1480.5	1589.5	1687.2	1831.9	2621.0	3210.9	3891.1	3812.2	2683.0
60°	1157.4	1125.4	1221.2	1322.7	1471.1	1719.1	2652.9	3402.6	4244.3	4199.2	3000.5
62.5°	779.7	794.8	890.6	1027.7	1234.4	1529.4	2617.2	3577.3	4627.6	4601.3	3265.4
65°	490.4	511.0	573.0	691.4	901.8	1287.0	2466.9	3660.0	4894.4	4849.3	3417.6
67.5°	306.3	319.4	358.9	430.3	591.8	975.1	2155.0	3526.6	4947.0	4888.7	3380.0
70°	253.6	257.4	263.0	279.9	364.5	674.5	1713.5	3180.9	4779.8	4789.2	3224.1
72.5°	227.3	231.1	231.1	229.2	234.9	422.7	1221.2	2698.0	4362.7	4362.7	2914.1
75°	208.6	210.4	204.8	202.9	199.2	263.0	745.9	2138.1	3767.1	3695.7	2435.0
77.5°	184.1	187.9	182.2	182.2	180.4	201.0	432.1	1630.8	2822.0	2701.8	1642.1
80°	157.8	157.8	157.8	157.8	159.7	159.7	270.6	1119.8	1700.4	1567.0	886.8
82.5°	125.9	124.0	127.8	135.3	131.5	122.1	208.6	652.0	824.8	747.8	437.8
85°	48.8	60.1	69.5	84.5	88.3	84.5	159.7	321.3	351.3	375.8	270.6
87.5°	28.2	28.2	22.5	22.5	24.4	33.8	99.6	193.5	227.3	255.5	238.6
90°	30.1	30.1	22.5	20.7	20.7	28.2	86.4	176.6	231.1	257.4	242.4
92.5°	31.9	31.9	22.5	20.7	20.7	22.5	71.4	157.8	229.2	263.0	236.7
95°	28.2	30.1	20.7	18.8	20.7	20.7	52.6	125.9	212.3	216.1	221.7
97.5°	18.8	20.7	13.2	15.0	18.8	16.9	28.2	73.3	112.7	86.4	103.3
100°	11.3	13.2	9.4	11.3	13.2	13.2	15.0	31.9	28.2	18.8	18.8
102.5°	11.3	11.3	7.5	9.4	9.4	7.5	7.5	13.2	11.3	11.3	18.8
105°	11.3	11.3	7.5	7.5	5.6	5.6	5.6	9.4	9.4	11.3	18.8
107.5°	7.5	9.4	5.6	5.6	5.6	5.6	3.8	5.6	9.4	9.4	20.7
110°	5.6	5.6	3.8	3.8	3.8	5.6	3.8	5.6	7.5	9.4	15.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.8	5.6	3.8	3.8	3.8	3.8	3.8	5.6	7.5	7.5	9.4
115°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	7.5	11.3
117.5°	5.6	5.6	3.8	3.8	1.9	3.8	3.8	3.8	5.6	7.5	11.3
120°	5.6	5.6	3.8	3.8	1.9	1.9	3.8	3.8	7.5	7.5	11.3
122.5°	5.6	5.6	3.8	1.9	1.9	1.9	3.8	3.8	5.6	7.5	11.3
125°	5.6	5.6	3.8	1.9	1.9	1.9	3.8	3.8	5.6	7.5	9.4
127.5°	5.6	5.6	3.8	1.9	1.9	1.9	3.8	3.8	5.6	5.6	9.4
130°	5.6	5.6	3.8	1.9	1.9	1.9	3.8	3.8	5.6	5.6	9.4
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	7.5
135°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6
137.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
140°	5.6	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
142.5°	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8
145°	7.5	7.5	7.5	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8
147.5°	7.5	7.5	7.5	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8
150°	7.5	9.4	7.5	5.6	3.8	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8
7.5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8
10°	5.6	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	1.9
12.5°	28.2	28.2	20.7	9.4	3.8	1.9	1.9	1.9	5.6	5.6	5.6
15°	137.2	124.0	110.9	97.7	26.3	3.8	3.8	16.9	63.9	90.2	93.9
17.5°	159.7	144.7	129.6	118.4	105.2	39.5	43.2	112.7	116.5	118.4	116.5
20°	308.1	274.3	178.5	135.3	116.5	122.1	107.1	120.2	129.6	133.4	133.4
22.5°	366.4	315.6	270.6	236.7	139.0	167.2	155.9	139.0	216.1	221.7	223.6
25°	424.6	358.9	291.2	251.8	242.4	172.9	184.1	212.3	229.2	233.0	231.1
27.5°	620.0	511.0	407.7	272.4	257.4	216.1	231.1	223.6	244.2	298.7	304.4
30°	667.0	531.7	415.2	330.7	270.6	253.6	238.6	291.2	315.6	315.6	317.5
32.5°	924.4	710.2	511.0	330.7	298.7	255.5	285.6	304.4	319.4	341.9	334.4
35°	967.6	717.7	505.4	383.3	298.7	268.7	295.0	313.8	383.3	390.8	388.9
37.5°	1003.3	710.2	477.2	372.0	323.2	285.6	300.6	358.9	387.0	385.2	381.4
40°	1042.8	698.9	449.0	364.5	321.3	287.5	321.3	360.7	377.6	368.3	358.9
42.5°	1087.9	682.0	424.6	347.6	313.8	289.3	323.2	351.3	349.5	343.8	338.2
45°	1146.1	663.2	396.4	332.6	310.0	285.6	317.5	326.9	340.1	336.3	332.6
47.5°	1232.5	644.4	372.0	319.4	306.3	279.9	321.3	332.6	343.8	334.4	332.6
50°	1360.3	618.1	351.3	315.6	304.4	296.9	295.0	341.9	351.3	328.8	325.0
52.5°	1446.7	588.1	340.1	311.9	298.7	289.3	313.8	338.2	347.6	321.3	319.4
55°	1505.0	544.9	330.7	311.9	295.0	272.4	340.1	345.7	345.7	315.6	311.9
57.5°	1568.8	514.8	325.0	317.5	293.1	253.6	355.1	353.2	345.7	306.3	308.1
60°	1660.9	496.0	319.4	323.2	293.1	259.3	349.5	370.1	345.7	311.9	323.2
62.5°	1713.5	477.2	315.6	325.0	289.3	259.3	338.2	394.6	373.9	349.5	351.3
65°	1640.2	452.8	304.4	323.2	283.7	264.9	326.9	404.0	400.2	388.9	390.8
67.5°	1473.0	411.5	283.7	310.0	264.9	268.7	321.3	404.0	396.4	420.9	426.5
70°	1287.0	362.6	253.6	287.5	251.8	264.9	334.4	390.8	390.8	435.9	445.3
72.5°	1089.7	296.9	219.8	263.0	251.8	257.4	349.5	375.8	375.8	435.9	434.0
75°	894.3	236.7	184.1	225.5	233.0	257.4	347.6	358.9	349.5	398.3	388.9
77.5°	653.8	187.9	157.8	189.8	210.4	257.4	336.3	334.4	319.4	341.9	338.2
80°	402.1	148.4	133.4	161.6	176.6	246.1	317.5	304.4	278.1	289.3	285.6
82.5°	233.0	110.9	112.7	137.2	140.9	225.5	287.5	264.9	236.7	242.4	236.7
85°	150.3	71.4	88.3	105.2	110.9	184.1	246.1	223.6	191.6	248.0	236.7
87.5°	116.5	41.3	60.1	69.5	67.6	80.8	140.9	133.4	131.5	107.1	103.3
90°	109.0	35.7	60.1	60.1	48.8	39.5	54.5	56.4	47.0	50.7	45.1
92.5°	97.7	35.7	63.9	60.1	43.2	31.9	45.1	45.1	35.7	33.8	31.9
95°	80.8	31.9	67.6	62.0	39.5	28.2	37.6	35.7	28.2	26.3	24.4
97.5°	43.2	20.7	63.9	56.4	35.7	26.3	33.8	30.1	20.7	18.8	16.9
100°	15.0	13.2	62.0	48.8	30.1	20.7	24.4	22.5	13.2	11.3	9.4
102.5°	13.2	11.3	35.7	35.7	18.8	11.3	15.0	15.0	11.3	9.4	9.4
105°	15.0	11.3	13.2	18.8	9.4	5.6	7.5	9.4	9.4	11.3	11.3
107.5°	15.0	11.3	9.4	9.4	7.5	5.6	5.6	5.6	9.4	11.3	11.3
110°	13.2	11.3	7.5	9.4	7.5	5.6	5.6	5.6	9.4	13.2	13.2

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

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