

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: P695354

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5160 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

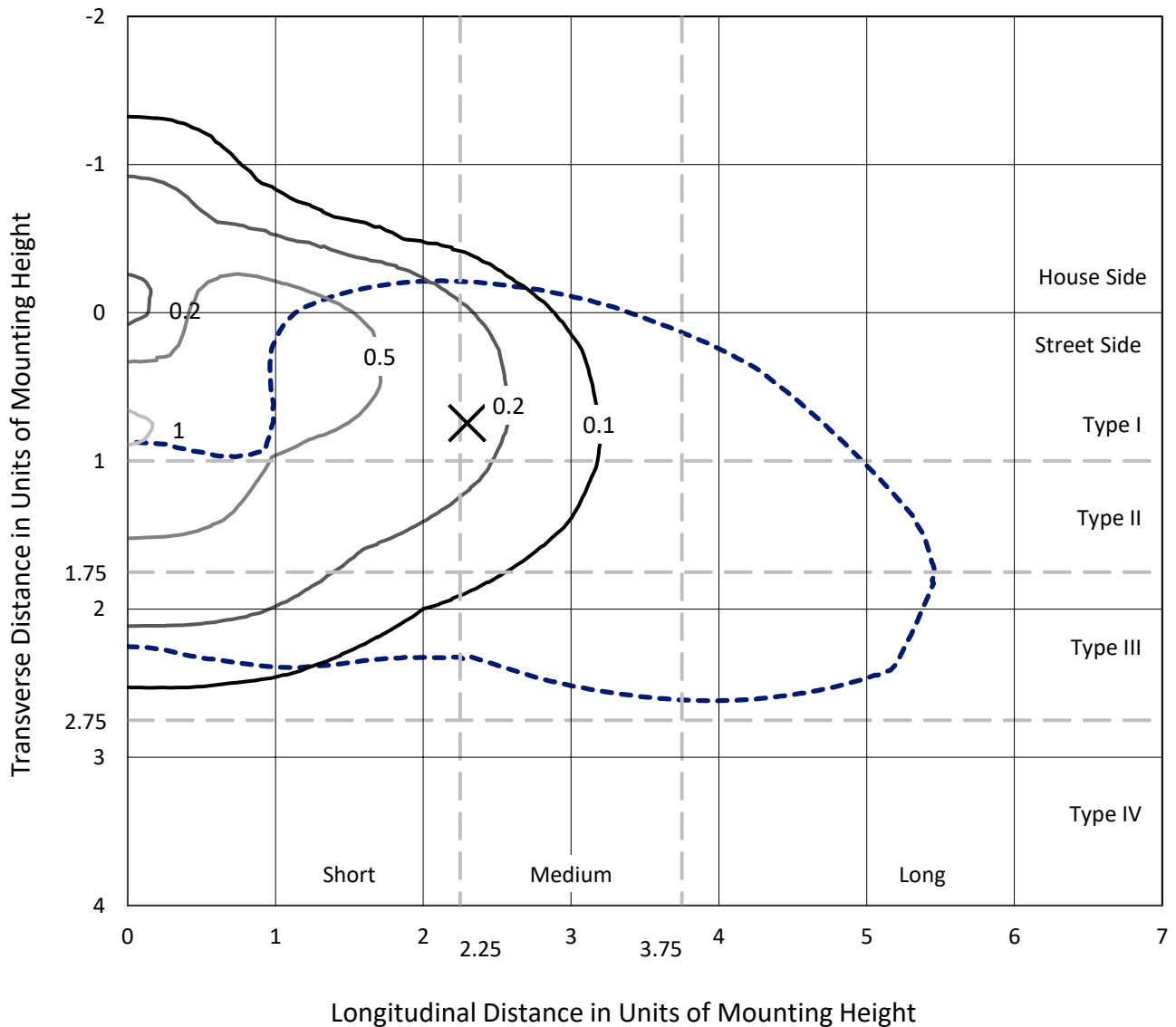
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

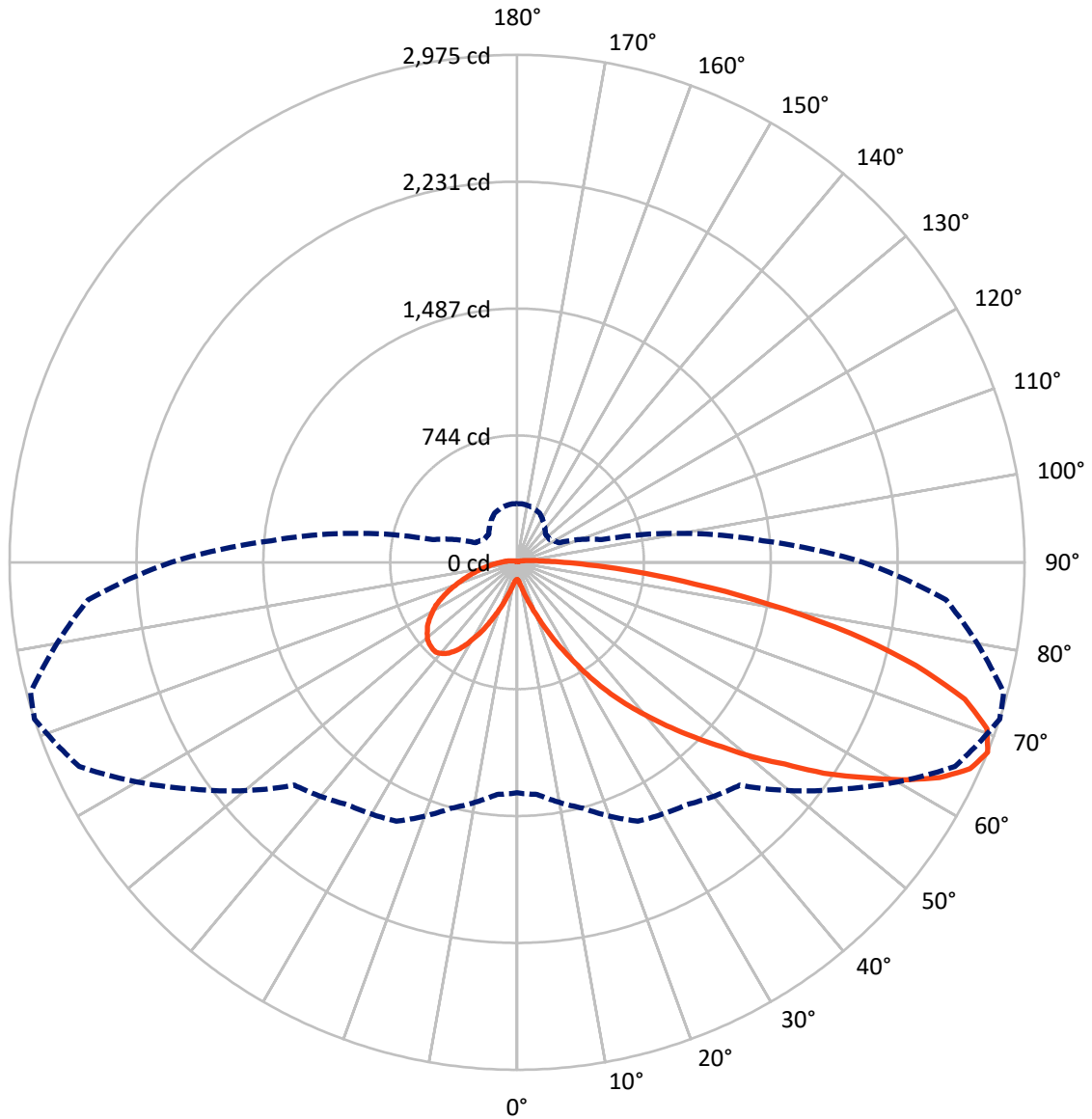
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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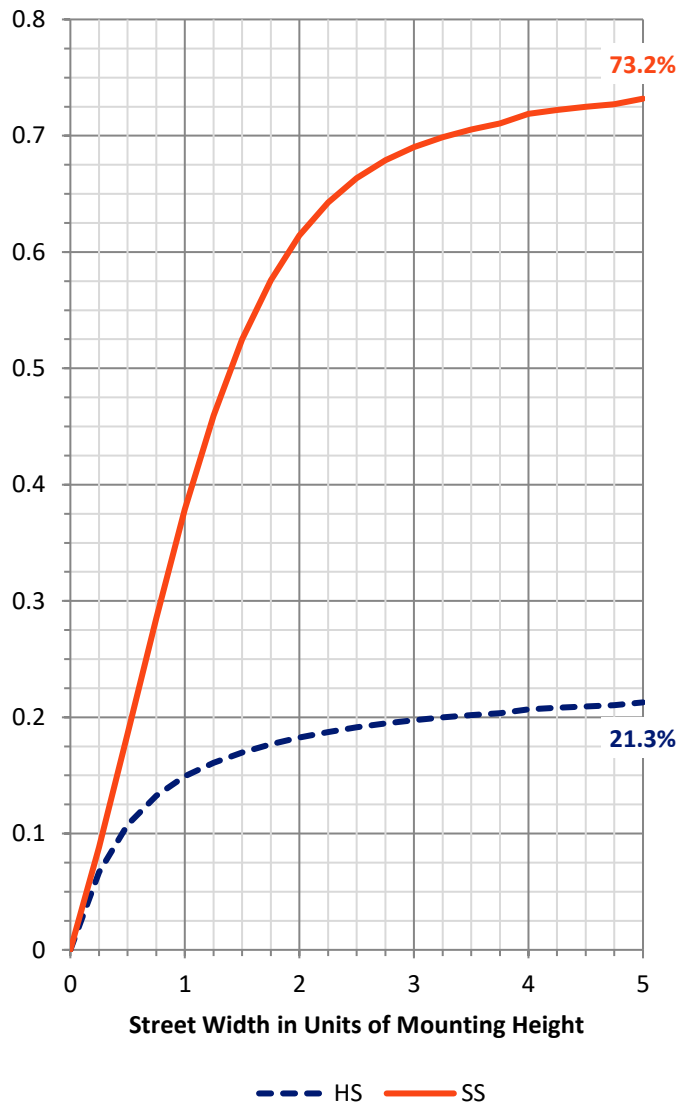
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1152.6	86.5	1239.1
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	3841.1	79.7	3920.9
	% Fixture	74.4	1.5	76.0
Total	Lumens	4993.7	166.3	5160.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.2
10°-20°	60.8	1.2
20°-30°	195.3	3.8
30°-40°	436.8	8.5
40°-50°	728.2	14.1
50°-60°	1060.0	20.5
60°-70°	1270.3	24.6
70°-80°	912.0	17.7
80°-90°	318.7	6.2
90°-100°	87.2	1.7
100°-110°	37.4	0.7
110°-120°	19.3	0.4
120°-130°	11.4	0.2
130°-140°	7.1	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4993.7	96.8
0°-180°	5160.0	100.0

Coefficient of Utilization

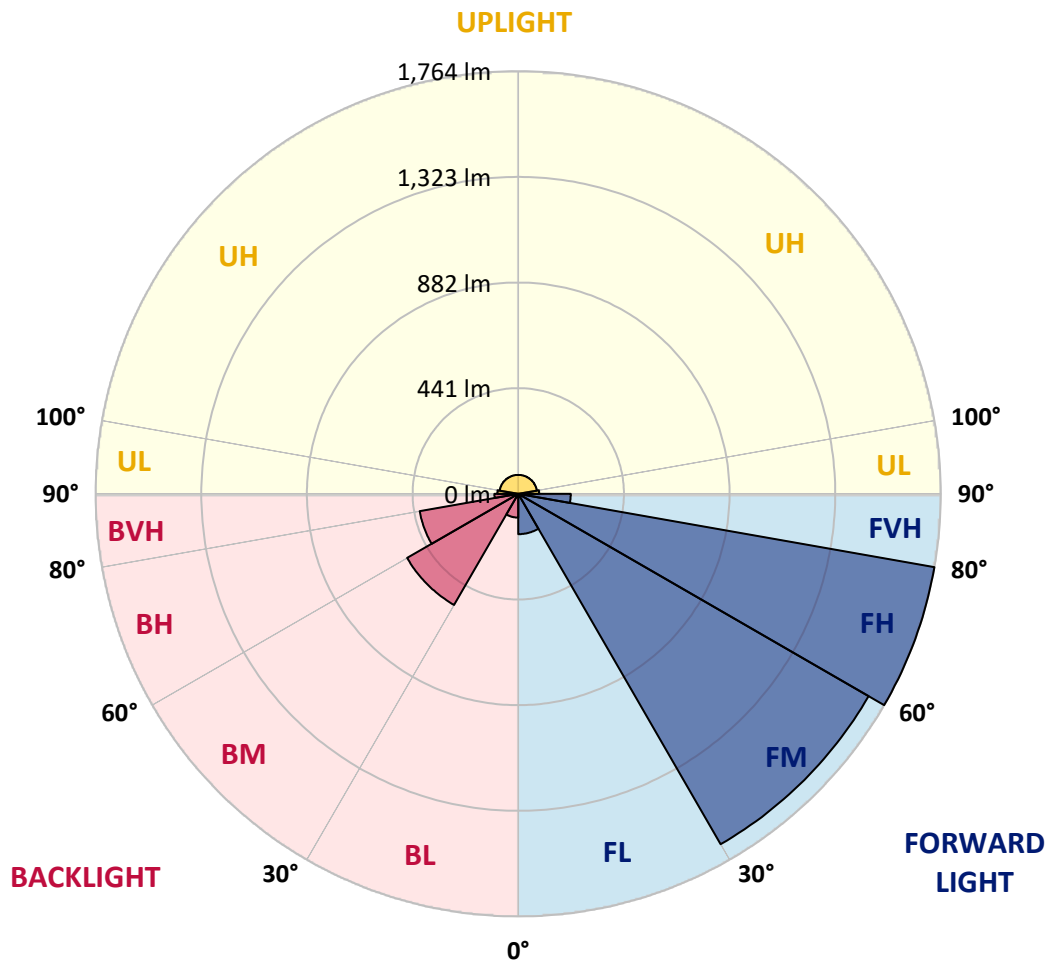


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.4	3.3			
FM (30°-60°)	1689.2	32.7			
FH (60°-80°)	1764.5	34.2			G1/1800
FVH (80°-90°)	219.1	4.2			G2/225
BL (0°-30°)	99.4	1.9	B0/110		
BM (30°-60°)	535.7	10.4	B1/1000		
BH (60°-80°)	417.9	8.1	B1/500		G1/500
BVH (80°-90°)	99.6	1.9			G1/100
UL (90°-100°)	87.2	1.7		U3/500	
UH (100°-180°)	79.0	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	107.1	107.1	107.1	109.0	107.1	107.1	107.1	105.2	105.2	105.2	103.4
5°	124.0	124.0	122.1	122.1	120.3	120.3	118.4	116.5	114.6	112.7	110.9
7.5°	144.7	144.7	142.8	142.8	140.9	137.2	135.3	131.5	129.7	127.8	125.9
10°	176.6	174.8	174.8	172.9	169.1	165.4	161.6	156.0	152.2	150.3	146.6
12.5°	218.0	216.1	214.2	206.7	202.9	197.3	191.7	187.9	184.2	180.4	174.8
15°	270.6	268.7	263.1	257.4	244.3	238.6	231.1	229.3	225.5	223.6	214.2
17.5°	334.5	328.8	325.1	311.9	298.8	285.6	281.9	278.1	276.2	274.4	268.7
20°	413.4	407.8	400.3	375.8	360.8	345.8	336.4	338.2	336.4	336.4	330.7
22.5°	509.2	511.1	490.5	458.5	424.7	405.9	402.1	407.8	411.5	415.3	404.0
25°	625.7	623.9	591.9	548.7	505.5	479.2	475.4	486.7	499.8	507.4	498.0
27.5°	755.4	746.0	714.1	650.2	595.7	556.2	558.1	582.5	595.7	601.3	593.8
30°	890.7	886.9	840.0	762.9	684.0	635.1	642.7	678.4	702.8	715.9	697.2
32.5°	1037.3	1026.0	971.5	881.3	778.0	717.8	734.7	785.5	824.9	826.8	817.4
35°	1176.3	1176.3	1112.4	1003.5	875.7	804.3	824.9	907.6	947.1	958.4	937.7
37.5°	1313.5	1304.1	1249.6	1114.3	973.4	888.8	917.0	1014.7	1069.2	1080.5	1054.2
40°	1428.1	1426.3	1364.2	1236.5	1061.7	971.5	1009.1	1129.4	1193.2	1212.0	1168.8
42.5°	1544.6	1537.1	1488.3	1343.6	1166.9	1056.1	1106.8	1253.4	1324.8	1336.1	1291.0
45°	1631.1	1625.4	1589.7	1456.3	1266.5	1146.3	1210.2	1377.4	1465.7	1477.0	1407.5
47.5°	1713.8	1713.8	1683.7	1572.8	1369.9	1247.7	1328.5	1524.0	1616.1	1634.8	1555.9
50°	1794.6	1787.1	1779.5	1683.7	1475.1	1360.5	1445.1	1678.1	1792.7	1811.5	1702.5
52.5°	1841.5	1852.8	1862.2	1796.4	1593.5	1467.6	1586.0	1845.3	1965.6	1991.9	1873.5
55°	1884.8	1879.1	1922.3	1879.1	1695.0	1586.0	1743.8	2037.0	2181.7	2191.1	2057.6
57.5°	1882.9	1888.5	1952.4	1956.2	1794.6	1695.0	1892.3	2226.8	2377.1	2409.0	2226.8
60°	1837.8	1852.8	1935.5	1975.0	1873.5	1792.7	2046.4	2426.0	2589.4	2621.4	2394.0
62.5°	1745.7	1751.3	1869.7	1956.2	1896.0	1867.9	2183.5	2610.1	2779.2	2777.4	2521.8
65°	1572.8	1582.2	1708.1	1849.1	1854.7	1886.6	2277.5	2760.4	2918.3	2907.0	2563.1
67.5°	1351.1	1366.1	1492.0	1674.3	1734.4	1847.2	2317.0	2831.8	2974.7	2952.1	2523.7
70°	1073.0	1110.6	1210.2	1401.8	1555.9	1721.3	2264.4	2813.1	2922.0	2892.0	2362.1
72.5°	789.2	806.1	911.4	1099.3	1289.1	1535.2	2093.3	2657.1	2745.4	2674.0	2108.4
75°	554.3	560.0	648.3	809.9	1014.7	1281.6	1835.9	2354.5	2416.6	2347.0	1758.9
77.5°	342.0	353.3	422.8	556.2	746.0	1022.2	1493.9	1961.8	2001.3	1911.1	1371.8
80°	210.5	218.0	266.8	368.3	518.6	746.0	1155.7	1490.1	1503.3	1441.3	980.9
82.5°	135.3	142.8	174.8	236.8	345.8	520.5	813.7	1061.7	1054.2	988.4	661.5
85°	88.3	94.0	114.6	157.8	229.3	358.9	543.1	704.7	687.8	638.9	430.3
87.5°	58.3	62.0	80.8	110.9	157.8	238.6	349.5	426.6	417.2	385.2	268.7
90°	39.5	41.3	56.4	77.0	110.9	163.5	225.5	257.4	240.5	227.4	174.8
92.5°	28.2	31.9	41.3	58.3	84.6	116.5	146.6	159.7	150.3	144.7	118.4
95°	22.5	22.5	33.8	47.0	65.8	88.3	103.4	103.4	97.7	95.8	86.4
97.5°	18.8	18.8	28.2	39.5	54.5	69.5	75.2	73.3	69.5	71.4	65.8
100°	15.0	16.9	24.4	33.8	45.1	56.4	58.3	54.5	52.6	52.6	50.7
102.5°	13.2	15.0	22.5	30.1	39.5	47.0	48.9	45.1	41.3	41.3	39.5
105°	13.2	13.2	18.8	26.3	33.8	39.5	39.5	35.7	33.8	31.9	30.1
107.5°	11.3	11.3	16.9	24.4	30.1	33.8	33.8	30.1	26.3	26.3	24.4
110°	9.4	11.3	15.0	20.7	26.3	30.1	30.1	26.3	22.5	20.7	20.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.4	9.4	13.2	18.8	22.5	26.3	24.4	20.7	18.8	16.9	16.9
115°	9.4	9.4	11.3	16.9	20.7	22.5	22.5	18.8	15.0	15.0	15.0
117.5°	9.4	9.4	11.3	15.0	18.8	20.7	18.8	16.9	13.2	13.2	13.2
120°	9.4	9.4	11.3	13.2	16.9	18.8	16.9	15.0	11.3	11.3	13.2
122.5°	7.5	9.4	9.4	13.2	15.0	16.9	15.0	13.2	11.3	11.3	11.3
125°	7.5	9.4	9.4	11.3	13.2	15.0	13.2	11.3	9.4	9.4	11.3
127.5°	7.5	7.5	9.4	11.3	13.2	13.2	13.2	11.3	9.4	9.4	11.3
130°	7.5	9.4	9.4	9.4	11.3	13.2	11.3	9.4	9.4	9.4	9.4
132.5°	7.5	7.5	9.4	9.4	11.3	11.3	9.4	9.4	7.5	7.5	9.4
135°	7.5	7.5	7.5	9.4	9.4	9.4	9.4	7.5	7.5	7.5	9.4
137.5°	7.5	7.5	7.5	7.5	9.4	9.4	7.5	7.5	7.5	7.5	7.5
140°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	5.6	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	5.6	7.5	5.6	5.6	5.6	5.6	5.6	7.5
145°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
147.5°	5.6	5.6	5.6	5.6	5.6	5.6	3.8	3.8	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	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°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	101.5	101.5	101.5	99.6	99.6	99.6	97.7	97.7	97.7	97.7	97.7
5°	110.9	109.0	107.1	105.2	101.5	101.5	99.6	99.6	97.7	97.7	97.7
7.5°	124.0	122.1	118.4	114.6	110.9	107.1	105.2	103.4	101.5	101.5	101.5
10°	142.8	140.9	133.4	127.8	122.1	118.4	114.6	112.7	110.9	109.0	109.0
12.5°	171.0	169.1	159.7	148.5	139.1	131.5	125.9	124.0	122.1	120.3	122.1
15°	210.5	206.7	193.6	174.8	161.6	148.5	142.8	140.9	142.8	142.8	140.9
17.5°	263.1	253.7	233.0	208.6	187.9	171.0	163.5	163.5	163.5	165.4	165.4
20°	323.2	313.8	283.7	249.9	216.1	195.4	186.0	186.0	187.9	189.8	193.6
22.5°	394.6	379.6	340.1	291.3	248.0	219.9	208.6	208.6	214.2	219.9	219.9
25°	482.9	464.1	405.9	334.5	280.0	244.3	229.3	231.1	240.5	246.2	248.0
27.5°	578.8	554.3	477.3	385.2	308.2	263.1	248.0	251.8	263.1	272.5	272.5
30°	687.8	646.4	543.1	428.4	332.6	278.1	263.1	270.6	283.7	295.0	296.9
32.5°	787.4	746.0	618.2	469.8	353.3	287.5	272.5	283.7	298.8	311.9	311.9
35°	898.2	845.6	680.2	501.7	364.6	293.1	278.1	293.1	310.1	321.3	321.3
37.5°	1005.3	932.0	729.1	520.5	368.3	293.1	280.0	298.8	313.8	323.2	325.1
40°	1103.0	1016.6	764.8	526.2	364.6	289.4	280.0	298.8	313.8	319.5	321.3
42.5°	1208.3	1088.0	791.1	520.5	355.2	283.7	278.1	296.9	310.1	311.9	313.8
45°	1313.5	1166.9	798.6	501.7	342.0	276.2	272.5	291.3	302.5	302.5	302.5
47.5°	1428.1	1244.0	798.6	479.2	325.1	268.7	268.7	287.5	295.0	293.1	293.1
50°	1548.4	1317.3	793.0	452.9	310.1	261.2	263.1	283.7	291.3	285.6	285.6
52.5°	1674.3	1396.2	774.2	420.9	293.1	253.7	261.2	281.9	289.4	283.7	283.7
55°	1826.5	1473.2	753.5	390.9	278.1	248.0	259.3	281.9	289.4	283.7	283.7
57.5°	1933.6	1540.9	721.6	362.7	266.8	244.3	259.3	285.6	293.1	289.4	289.4
60°	2057.6	1586.0	680.2	334.5	255.6	240.5	263.1	289.4	300.7	300.7	300.7
62.5°	2125.3	1597.3	637.0	310.1	248.0	238.6	266.8	296.9	311.9	313.8	315.7
65°	2125.3	1548.4	576.9	289.4	240.5	236.8	270.6	306.3	325.1	330.7	332.6
67.5°	2029.5	1446.9	513.0	270.6	233.0	234.9	274.4	315.7	334.5	343.9	343.9
70°	1871.6	1287.2	445.4	251.8	225.5	233.0	276.2	319.5	340.1	349.5	349.5
72.5°	1612.3	1101.2	381.5	236.8	218.0	229.3	274.4	319.5	338.2	345.8	343.9
75°	1306.0	879.4	319.5	219.9	208.6	219.9	265.0	310.1	325.1	328.8	328.8
77.5°	1016.6	670.8	268.7	201.1	195.4	208.6	251.8	291.3	304.4	306.3	304.4
80°	723.5	484.8	225.5	184.2	180.4	191.7	229.3	263.1	274.4	276.2	272.5
82.5°	486.7	347.6	184.2	161.6	161.6	172.9	204.8	231.1	240.5	238.6	236.8
85°	315.7	234.9	150.3	139.1	140.9	152.2	174.8	195.4	201.1	199.2	193.6
87.5°	206.7	165.4	120.3	118.4	120.3	129.7	146.6	157.8	165.4	161.6	159.7
90°	140.9	118.4	97.7	97.7	101.5	109.0	120.3	125.9	127.8	127.8	125.9
92.5°	103.4	92.1	80.8	80.8	86.4	92.1	97.7	99.6	103.4	101.5	99.6
95°	78.9	75.2	67.6	67.6	73.3	78.9	80.8	78.9	82.7	82.7	80.8
97.5°	62.0	62.0	58.3	58.3	62.0	65.8	67.6	65.8	67.6	65.8	65.8
100°	48.9	48.9	50.7	50.7	52.6	56.4	56.4	56.4	56.4	54.5	52.6
102.5°	39.5	41.3	43.2	45.1	47.0	47.0	48.9	47.0	47.0	43.2	43.2
105°	31.9	31.9	35.7	37.6	39.5	41.3	41.3	41.3	39.5	35.7	35.7
107.5°	26.3	28.2	30.1	33.8	33.8	35.7	37.6	35.7	31.9	28.2	30.1
110°	20.7	22.5	26.3	28.2	30.1	31.9	31.9	30.1	26.3	24.4	24.4

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	18.8	22.5	24.4	26.3	28.2	28.2	26.3	22.5	20.7	20.7
115°	16.9	16.9	18.8	20.7	22.5	24.4	24.4	22.5	18.8	16.9	16.9
117.5°	15.0	15.0	16.9	18.8	20.7	22.5	20.7	20.7	16.9	15.0	15.0
120°	13.2	15.0	15.0	16.9	18.8	18.8	18.8	16.9	15.0	15.0	15.0
122.5°	13.2	13.2	15.0	15.0	16.9	16.9	16.9	15.0	13.2	13.2	13.2
125°	11.3	13.2	13.2	13.2	15.0	15.0	15.0	13.2	11.3	11.3	11.3
127.5°	11.3	11.3	11.3	13.2	13.2	13.2	13.2	11.3	11.3	11.3	11.3
130°	11.3	11.3	11.3	11.3	11.3	13.2	11.3	11.3	9.4	11.3	11.3
132.5°	9.4	9.4	9.4	11.3	11.3	11.3	11.3	9.4	9.4	9.4	9.4
135°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
137.5°	9.4	9.4	9.4	9.4	9.4	9.4	7.5	7.5	7.5	9.4	9.4
140°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	5.6	7.5	7.5
145°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
147.5°	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
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)