

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: P695338

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4854 lumens
Efficiency: N/A
Efficacy: 91.4 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 - G3

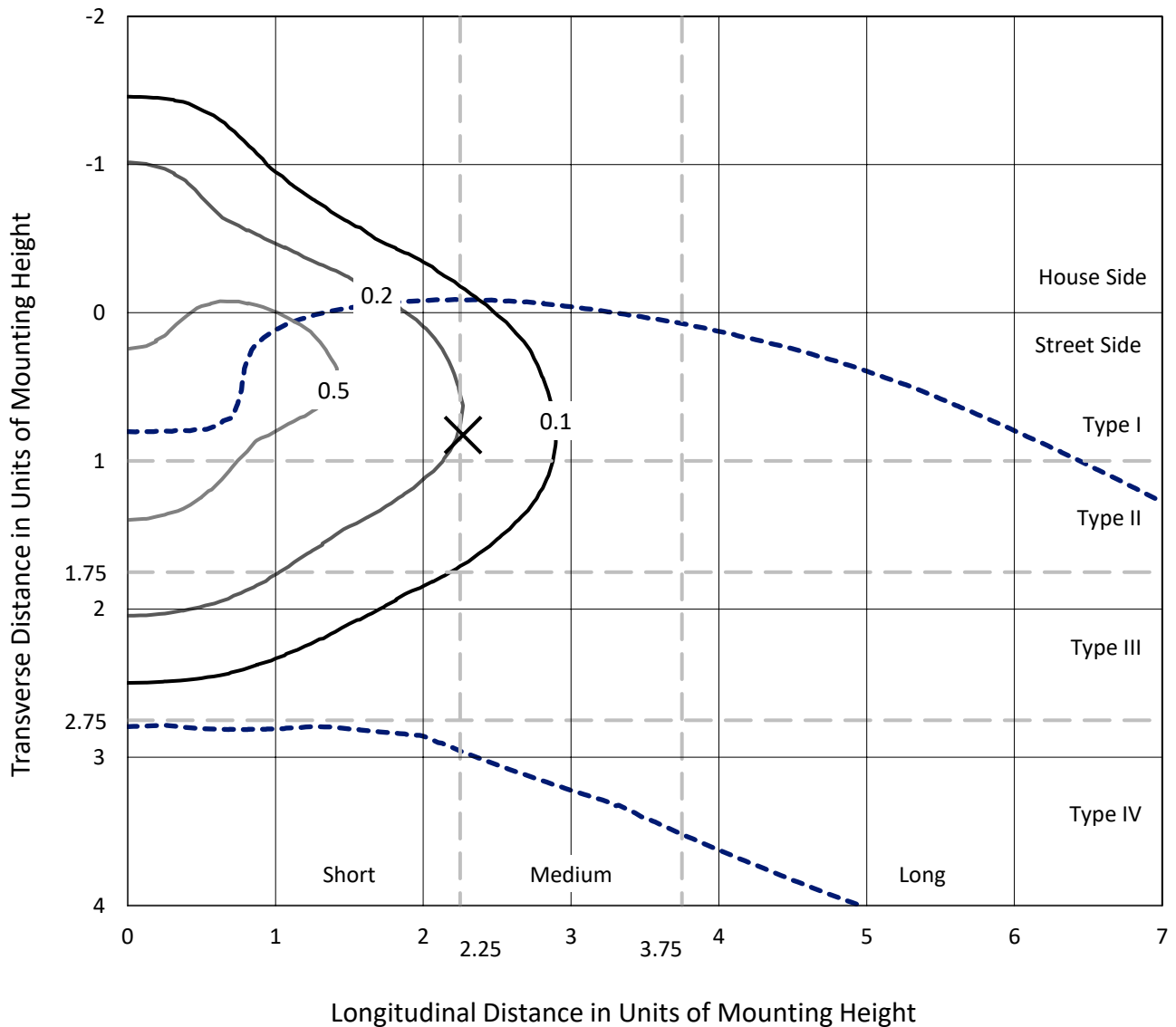
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

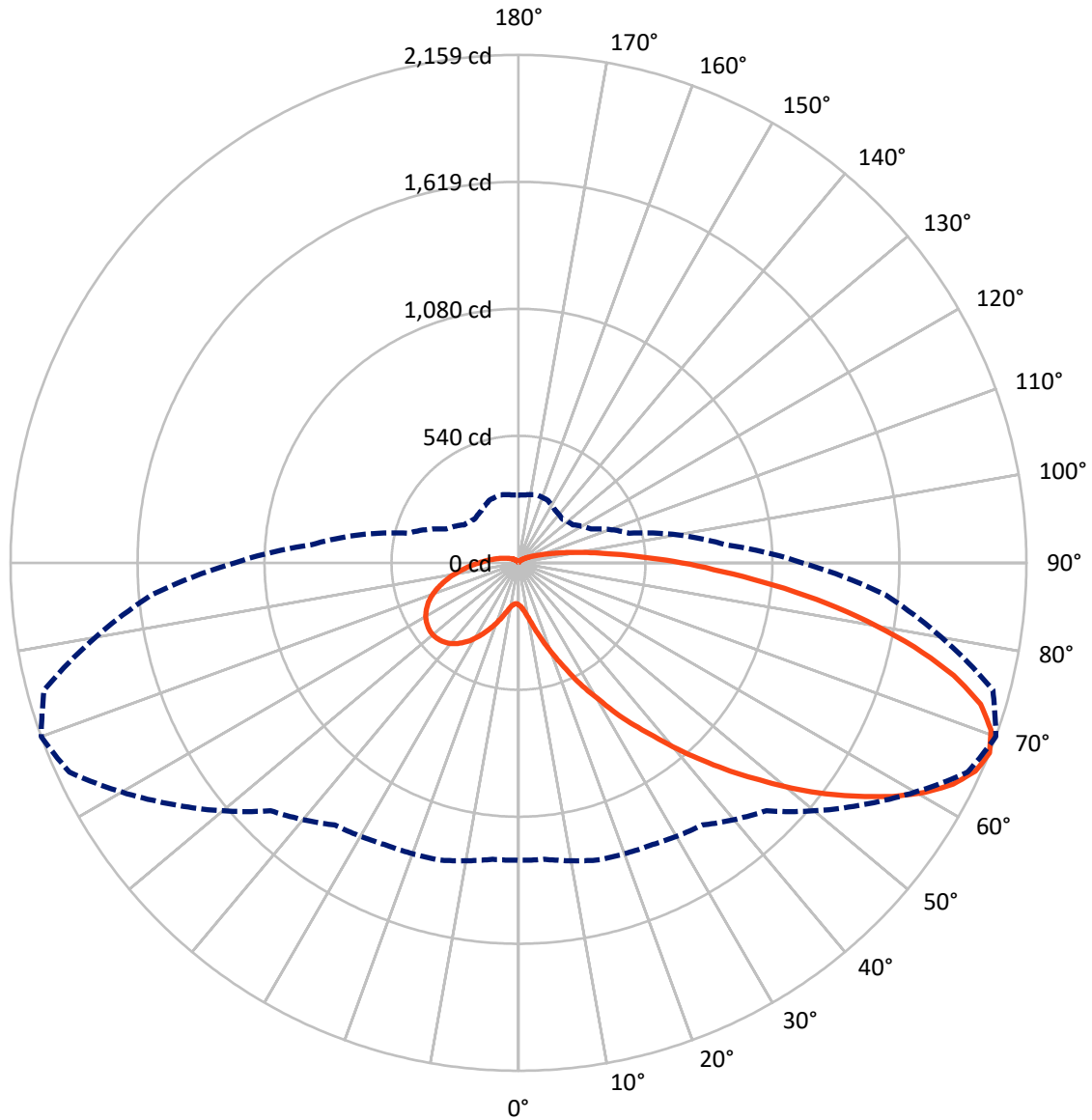
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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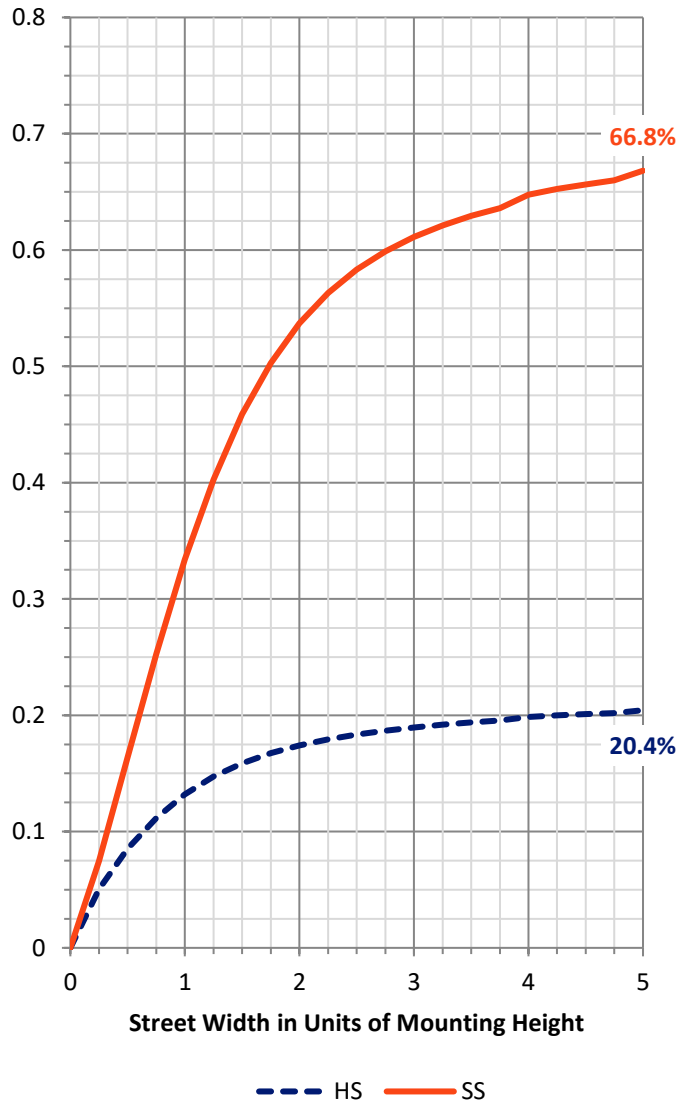
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1046.4	142.5	1188.9
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	3398.4	266.7	3665.1
	% Fixture	70.0	5.5	75.5
Total	Lumens	4444.8	409.2	4854.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.4
10°-20°	76.8	1.6
20°-30°	193.6	4.0
30°-40°	379.3	7.8
40°-50°	617.6	12.7
50°-60°	865.2	17.8
60°-70°	992.5	20.4
70°-80°	826.1	17.0
80°-90°	475.1	9.8
90°-100°	217.9	4.5
100°-110°	99.8	2.1
110°-120°	49.1	1.0
120°-130°	25.3	0.5
130°-140°	12.3	0.3
140°-150°	4.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4444.8	91.6
0°-180°	4854.0	100.0

Coefficient of Utilization



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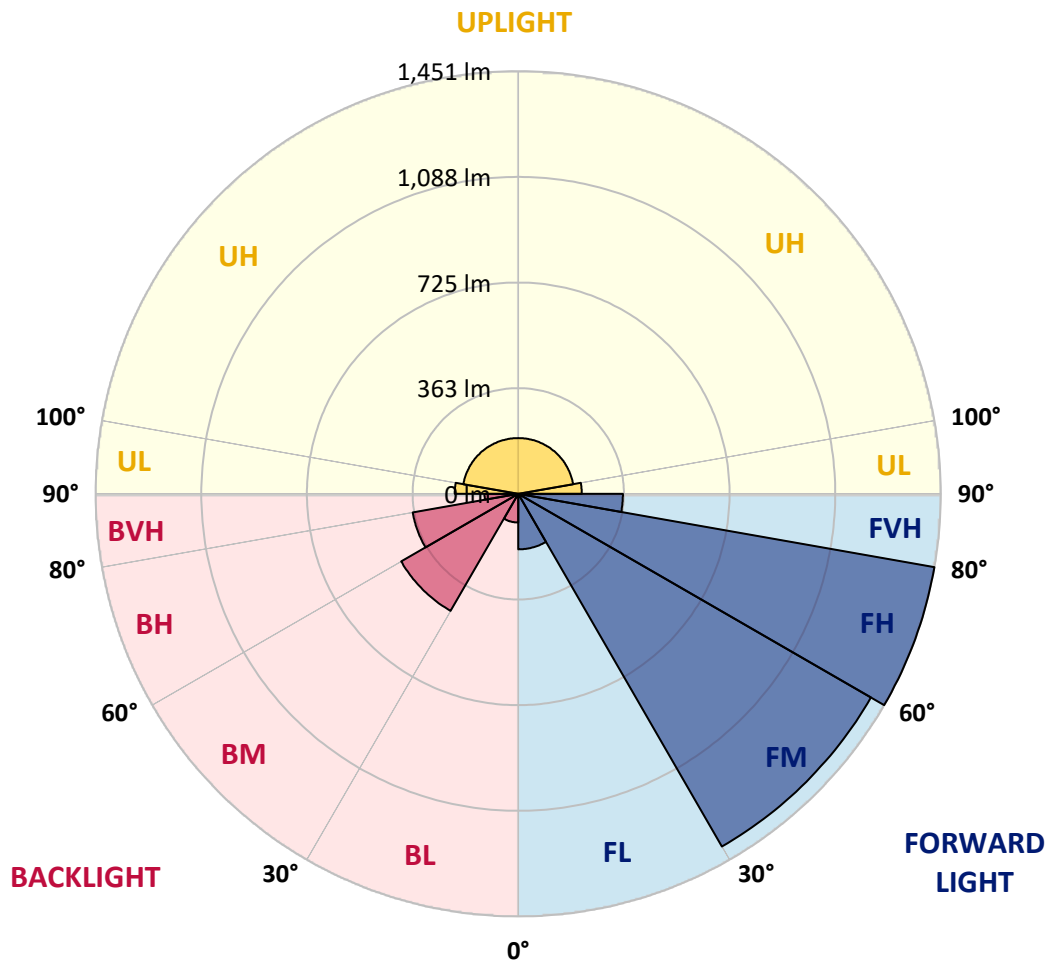
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.6	3.9			
FM (30°-60°)	1398.0	28.8			
FH (60°-80°)	1450.6	29.9			G1/1800
FVH (80°-90°)	359.2	7.4			G3/500
BL (0°-30°)	98.5	2.0	B0/110		
BM (30°-60°)	464.1	9.6	B1/1000		
BH (60°-80°)	367.9	7.6	B1/500		G1/500
BVH (80°-90°)	115.9	2.4			G2/225
UL (90°-100°)	217.9	4.5		U3/500	
UH (100°-180°)	191.3	3.9		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°	70°	75°	85°
0°	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5
2.5°	195.4	195.4	195.4	193.5	193.5	189.8	189.8	186.0	186.0	184.1	180.4
5°	219.8	219.8	218.0	218.0	214.2	210.4	206.7	201.1	197.3	195.4	189.8
7.5°	248.0	248.0	246.1	242.4	240.5	234.9	227.4	219.8	216.1	212.3	202.9
10°	281.8	281.8	278.1	276.2	272.5	264.9	257.4	246.1	240.5	234.9	221.7
12.5°	321.3	317.6	317.6	311.9	306.3	300.6	291.2	278.1	272.5	264.9	248.0
15°	362.6	362.6	362.6	357.0	349.5	340.1	332.6	319.4	315.7	304.4	285.6
17.5°	411.5	415.3	409.6	402.1	398.3	389.0	379.6	370.2	360.8	349.5	325.1
20°	471.6	469.7	464.1	456.6	451.0	441.6	435.9	419.0	411.5	400.2	364.5
22.5°	529.9	531.8	526.1	514.8	507.3	501.7	492.3	479.1	467.9	454.7	415.3
25°	606.9	605.0	591.9	575.0	567.5	559.9	554.3	541.2	533.6	522.4	471.6
27.5°	684.0	676.4	667.0	652.0	633.2	620.1	616.3	610.7	605.0	586.2	529.9
30°	764.8	757.2	746.0	721.5	695.2	680.2	680.2	687.7	674.6	659.5	595.6
32.5°	851.2	841.8	826.8	796.7	761.0	744.1	751.6	764.8	762.9	740.3	661.4
35°	937.6	935.7	913.2	875.6	830.5	809.8	821.1	847.4	847.4	830.5	732.8
37.5°	1022.2	1024.1	1003.4	956.4	898.2	875.6	892.5	935.7	935.7	922.6	802.3
40°	1129.3	1125.5	1087.9	1033.4	969.6	941.4	975.2	1031.6	1041.0	1016.5	879.4
42.5°	1221.3	1213.8	1183.8	1116.1	1039.1	1005.3	1052.2	1129.3	1148.1	1119.9	958.3
45°	1315.3	1305.9	1270.2	1195.0	1108.6	1069.1	1134.9	1238.3	1262.7	1236.4	1041.0
47.5°	1403.6	1394.2	1362.3	1272.1	1181.9	1146.2	1219.5	1349.1	1379.2	1356.6	1121.8
50°	1484.4	1482.5	1443.1	1349.1	1245.8	1212.0	1307.8	1465.6	1505.1	1471.3	1204.4
52.5°	1553.9	1546.4	1508.8	1418.6	1309.7	1283.4	1398.0	1587.8	1631.0	1597.1	1287.1
55°	1597.1	1593.4	1559.6	1471.3	1367.9	1349.1	1488.2	1698.6	1751.2	1721.2	1364.2
57.5°	1617.8	1612.2	1584.0	1505.1	1411.1	1409.2	1570.8	1813.2	1873.4	1833.9	1443.1
60°	1597.1	1593.4	1574.6	1514.5	1439.3	1456.2	1657.3	1918.5	1982.3	1939.1	1505.1
62.5°	1527.6	1527.6	1525.7	1490.0	1444.9	1495.7	1724.9	2008.6	2072.5	2019.9	1550.2
65°	1418.6	1424.3	1435.6	1428.0	1420.5	1508.8	1770.0	2076.3	2134.5	2072.5	1574.6
67.5°	1264.6	1264.6	1307.8	1324.7	1360.4	1490.0	1790.7	2106.4	2159.0	2087.6	1565.2
70°	1093.6	1093.6	1142.4	1191.3	1270.2	1441.2	1768.1	2089.4	2130.8	2051.9	1523.9
72.5°	915.1	917.0	975.2	1042.8	1151.8	1356.6	1708.0	2016.2	2053.7	1959.8	1441.2
75°	740.3	755.4	804.2	892.5	1018.4	1243.9	1595.3	1888.4	1910.9	1820.7	1324.7
77.5°	586.2	605.0	663.3	749.7	881.2	1101.1	1443.1	1717.4	1721.2	1634.7	1183.8
80°	464.1	477.3	537.4	618.2	746.0	956.4	1262.7	1505.1	1501.3	1416.8	1014.7
82.5°	366.4	375.8	422.8	501.7	623.8	819.2	1084.2	1262.7	1275.8	1193.2	851.2
85°	281.8	293.1	336.3	405.9	514.8	682.1	896.3	1035.3	1041.0	967.7	700.9
87.5°	216.1	227.4	266.8	332.6	424.7	559.9	730.9	839.9	830.5	772.3	554.3
90°	167.2	172.9	212.3	266.8	347.6	462.2	588.1	659.5	659.5	603.2	443.4
92.5°	133.4	135.3	171.0	219.8	287.5	375.8	473.5	518.6	505.5	473.5	349.5
95°	105.2	109.0	137.2	180.4	236.8	308.2	373.9	405.9	394.6	364.5	274.3
97.5°	84.6	88.3	112.7	150.3	197.3	251.8	300.6	315.7	310.0	289.4	218.0
100°	69.5	71.4	92.1	127.8	165.4	208.6	240.5	249.9	238.6	225.5	171.0
102.5°	58.2	60.1	78.9	107.1	140.9	171.0	195.4	199.2	189.8	174.7	137.2
105°	48.9	50.7	65.8	92.1	118.4	144.7	159.7	157.8	148.4	137.2	110.9
107.5°	43.2	43.2	56.4	78.9	103.3	120.3	131.5	127.8	118.4	107.1	90.2
110°	37.6	37.6	47.0	67.6	88.3	103.3	109.0	103.3	93.9	86.4	73.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	33.8	33.8	41.3	58.2	75.2	88.3	90.2	82.7	77.0	71.4	60.1
115°	30.1	31.9	35.7	48.9	63.9	75.2	75.2	69.5	63.9	58.2	52.6
117.5°	28.2	28.2	31.9	43.2	56.4	63.9	63.9	58.2	52.6	48.9	45.1
120°	26.3	26.3	30.1	37.6	48.9	54.5	54.5	48.9	45.1	41.3	39.5
122.5°	24.4	24.4	26.3	31.9	41.3	47.0	47.0	41.3	37.6	35.7	33.8
125°	22.5	22.5	24.4	28.2	35.7	39.5	39.5	33.8	31.9	30.1	30.1
127.5°	20.7	20.7	22.5	24.4	30.1	33.8	31.9	28.2	26.3	26.3	26.3
130°	18.8	18.8	20.7	22.5	26.3	28.2	26.3	24.4	22.5	22.5	22.5
132.5°	18.8	18.8	18.8	18.8	20.7	22.5	22.5	20.7	18.8	20.7	20.7
135°	16.9	16.9	16.9	16.9	16.9	18.8	16.9	16.9	16.9	16.9	16.9
137.5°	15.0	15.0	15.0	15.0	15.0	15.0	13.2	13.2	13.2	15.0	15.0
140°	13.2	13.2	13.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	13.2
142.5°	11.3	11.3	11.3	9.4	9.4	7.5	7.5	7.5	9.4	9.4	11.3
145°	9.4	9.4	9.4	7.5	5.6	5.6	5.6	5.6	7.5	7.5	7.5
147.5°	7.5	7.5	7.5	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	5.6	5.6	5.6	3.8	3.8	1.9	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°	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5
2.5°	180.4	178.5	176.6	172.9	171.0	171.0	171.0	169.1	169.1	167.2	167.2
5°	186.0	184.1	176.6	171.0	167.2	163.5	159.7	157.8	156.0	154.1	154.1
7.5°	197.3	193.5	184.1	174.7	167.2	159.7	154.1	150.3	148.4	146.6	146.6
10°	214.2	208.6	193.5	180.4	169.1	159.7	152.2	148.4	144.7	142.8	142.8
12.5°	238.6	231.1	210.4	191.7	176.6	163.5	156.0	150.3	146.6	144.7	144.7
15°	272.5	259.3	233.0	208.6	187.9	171.0	161.6	157.8	156.0	156.0	156.0
17.5°	308.2	289.4	259.3	227.4	202.9	184.1	174.7	171.0	169.1	169.1	169.1
20°	347.6	326.9	285.6	248.0	218.0	201.1	189.8	186.0	184.1	184.1	184.1
22.5°	390.8	368.3	313.8	266.8	236.8	218.0	206.7	201.1	202.9	202.9	202.9
25°	439.7	407.7	343.9	289.4	253.7	234.9	223.6	218.0	221.7	223.6	223.6
27.5°	494.2	451.0	372.0	310.0	272.5	249.9	240.5	236.8	242.4	244.3	246.1
30°	546.8	497.9	400.2	332.6	287.5	264.9	255.5	257.4	261.2	264.9	268.7
32.5°	605.0	541.2	430.3	351.4	302.5	276.2	270.6	276.2	283.7	287.5	289.4
35°	661.4	586.2	452.8	368.3	313.8	287.5	283.7	293.1	302.5	310.0	310.0
37.5°	717.8	627.6	477.3	381.4	323.2	295.0	295.0	308.2	319.4	328.8	328.8
40°	776.0	672.7	497.9	392.7	330.7	302.5	304.4	321.3	336.3	342.0	343.9
42.5°	836.2	710.3	514.8	400.2	334.5	308.2	311.9	332.6	347.6	353.3	355.1
45°	894.4	749.7	528.0	404.0	338.2	310.0	315.7	340.1	355.1	360.8	360.8
47.5°	948.9	783.5	537.4	405.9	338.2	310.0	319.4	343.9	360.8	362.6	362.6
50°	1007.1	817.4	544.9	405.9	336.3	310.0	319.4	345.7	360.8	360.8	360.8
52.5°	1063.5	847.4	548.7	402.1	332.6	308.2	317.6	343.9	358.9	355.1	355.1
55°	1116.1	871.9	546.8	396.5	326.9	302.5	313.8	340.1	353.3	347.6	347.6
57.5°	1159.3	892.5	543.0	389.0	321.3	296.9	308.2	334.5	345.7	338.2	336.3
60°	1196.9	905.7	535.5	379.6	311.9	289.4	302.5	326.9	336.3	326.9	325.1
62.5°	1217.6	911.3	524.2	366.4	304.4	281.8	293.1	317.6	325.1	313.8	313.8
65°	1225.1	903.8	507.3	353.3	293.1	274.3	283.7	306.3	311.9	302.5	300.6
67.5°	1206.3	883.1	486.7	340.1	281.8	263.1	272.5	293.1	298.8	289.4	287.5
70°	1166.9	843.7	460.4	321.3	268.7	251.8	259.3	276.2	283.7	276.2	274.3
72.5°	1093.6	794.8	430.3	302.5	253.7	238.6	246.1	261.2	268.7	261.2	259.3
75°	1007.1	730.9	396.5	281.8	238.6	225.5	231.1	242.4	249.9	246.1	242.4
77.5°	892.5	653.9	360.8	261.2	223.6	210.4	214.2	225.5	231.1	227.4	227.4
80°	772.3	569.3	325.1	238.6	208.6	197.3	197.3	206.7	212.3	210.4	206.7
82.5°	655.8	486.7	287.5	216.1	189.8	180.4	182.3	186.0	193.5	189.8	187.9
85°	539.3	413.4	251.8	195.4	172.9	165.4	165.4	167.2	172.9	171.0	169.1
87.5°	441.6	340.1	219.8	172.9	156.0	150.3	146.6	150.3	150.3	150.3	146.6
90°	358.9	281.8	189.8	154.1	142.8	135.3	131.5	131.5	131.5	129.7	127.8
92.5°	285.6	233.0	165.4	137.2	127.8	122.1	118.4	116.5	114.6	110.9	110.9
95°	234.9	191.7	142.8	120.3	114.6	109.0	105.2	103.3	99.6	95.8	93.9
97.5°	186.0	159.7	122.1	107.1	101.5	97.7	93.9	90.2	84.6	80.8	78.9
100°	148.4	129.7	105.2	93.9	90.2	86.4	82.7	78.9	73.3	67.6	65.8
102.5°	122.1	109.0	90.2	84.6	80.8	77.0	75.2	69.5	62.0	56.4	56.4
105°	99.6	90.2	78.9	73.3	71.4	69.5	65.8	60.1	52.6	47.0	47.0
107.5°	82.7	77.0	67.6	65.8	63.9	62.0	58.2	52.6	45.1	39.5	39.5
110°	69.5	63.9	58.2	56.4	56.4	54.5	52.6	45.1	39.5	33.8	33.8

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	58.2	54.5	52.6	50.7	50.7	48.9	47.0	39.5	33.8	30.1	30.1
115°	48.9	47.0	45.1	45.1	45.1	43.2	41.3	35.7	28.2	26.3	26.3
117.5°	43.2	41.3	39.5	39.5	39.5	39.5	35.7	30.1	24.4	22.5	22.5
120°	37.6	37.6	35.7	35.7	35.7	33.8	31.9	26.3	20.7	20.7	20.7
122.5°	33.8	31.9	31.9	31.9	31.9	30.1	26.3	22.5	18.8	18.8	18.8
125°	30.1	28.2	28.2	28.2	28.2	26.3	22.5	18.8	16.9	16.9	16.9
127.5°	26.3	26.3	24.4	24.4	24.4	22.5	20.7	16.9	15.0	15.0	15.0
130°	22.5	22.5	22.5	22.5	20.7	18.8	16.9	15.0	13.2	13.2	13.2
132.5°	20.7	20.7	18.8	18.8	18.8	16.9	15.0	13.2	11.3	13.2	13.2
135°	16.9	16.9	16.9	16.9	15.0	13.2	13.2	11.3	11.3	11.3	11.3
137.5°	15.0	15.0	15.0	13.2	13.2	11.3	11.3	9.4	9.4	9.4	11.3
140°	13.2	13.2	11.3	11.3	9.4	9.4	9.4	7.5	9.4	9.4	9.4
142.5°	11.3	11.3	9.4	9.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
145°	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	7.5	7.5	7.5
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	1.9	1.9	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)