

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: P694776

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3094 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

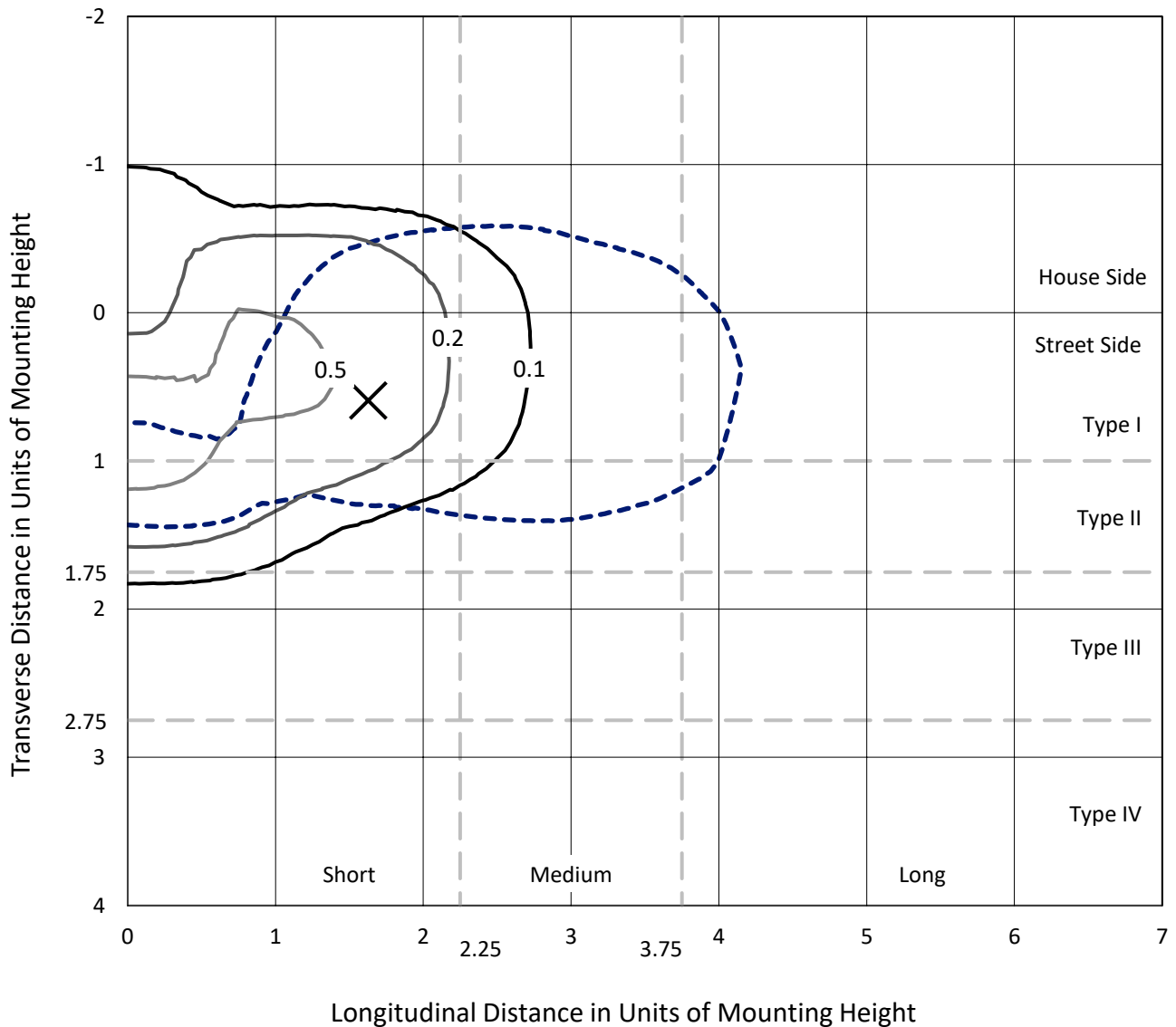
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

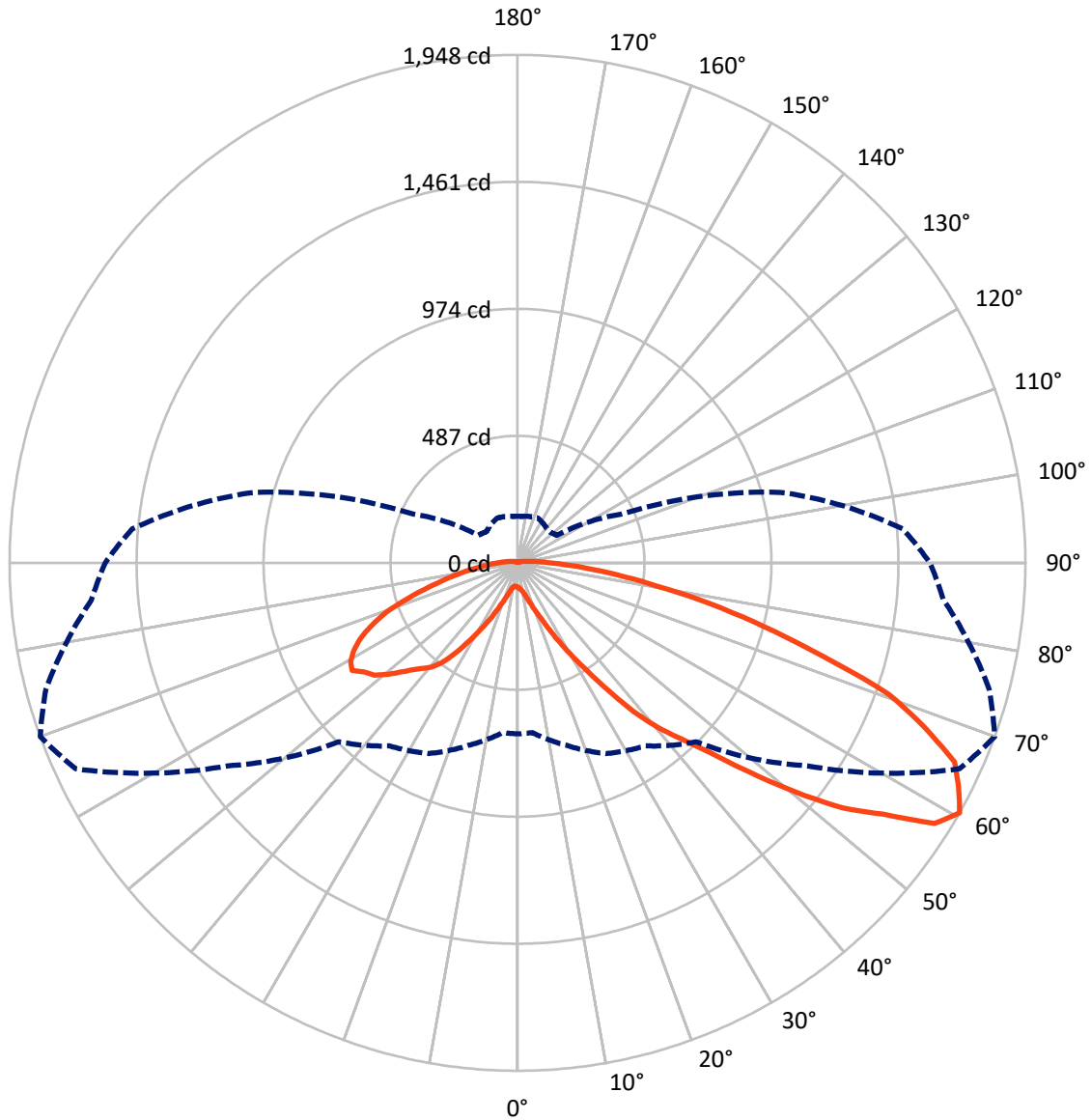
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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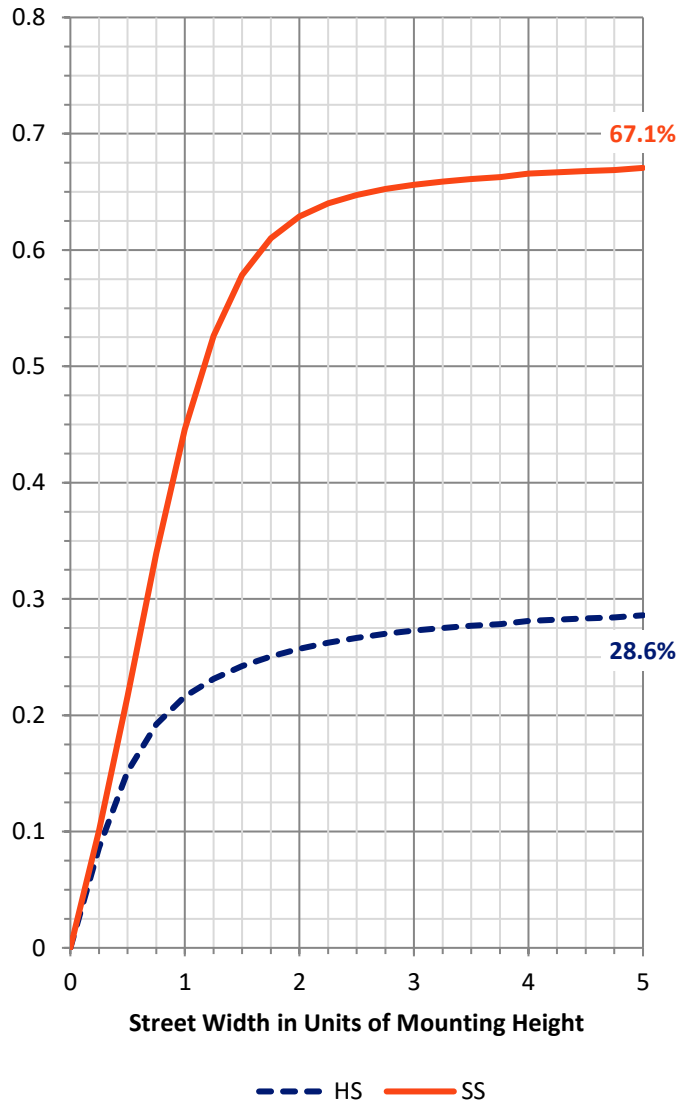
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	910.9	46.0	956.9
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	2097.9	39.2	2137.1
	% Fixture	67.8	1.3	69.1
Total	Lumens	3008.8	85.1	3094.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.3
10°-20°	39.4	1.3
20°-30°	125.0	4.0
30°-40°	307.7	9.9
40°-50°	532.5	17.2
50°-60°	749.4	24.2
60°-70°	696.8	22.5
70°-80°	397.4	12.8
80°-90°	151.2	4.9
90°-100°	45.1	1.5
100°-110°	18.3	0.6
110°-120°	9.8	0.3
120°-130°	6.1	0.2
130°-140°	4.0	0.1
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3008.8	97.2
0°-180°	3094.0	100.0

Coefficient of Utilization

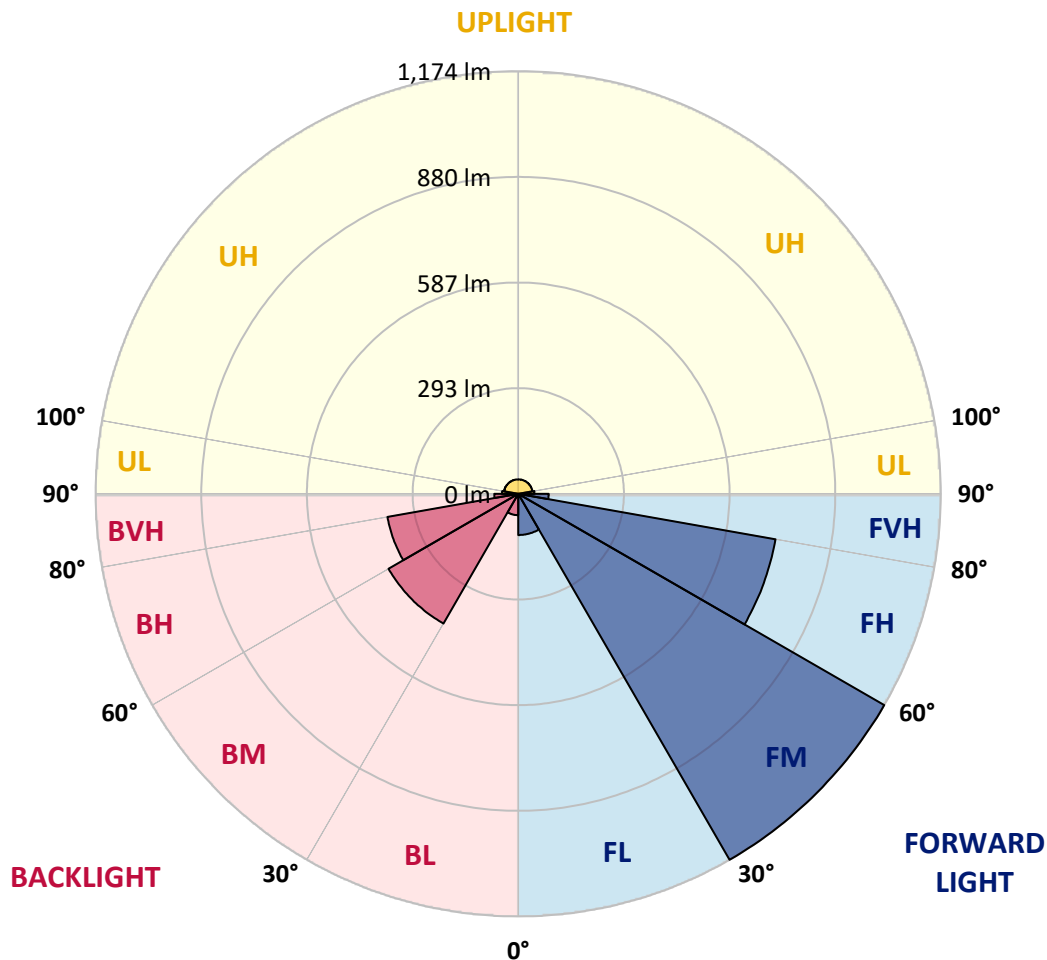


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.5	3.7			
FM (30°-60°)	1173.6	37.9			
FH (60°-80°)	725.4	23.4			G1/1800
FVH (80°-90°)	84.5	2.7			G1/100
BL (0°-30°)	59.3	1.9	B0/110		
BM (30°-60°)	416.0	13.4	B1/1000		
BH (60°-80°)	368.8	11.9	B1/500		G1/500
BVH (80°-90°)	66.7	2.2			G1/100
UL (90°-100°)	45.1	1.5		U2/50	
UH (100°-180°)	40.1	1.3		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	100.1	99.0	99.0	99.0	99.0	97.9	96.8	95.7	95.7	94.6	93.6
5°	108.8	108.8	108.8	107.7	106.6	105.5	103.3	101.2	100.1	97.9	95.7
7.5°	122.9	120.8	120.8	119.7	116.4	114.2	111.0	106.6	105.5	103.3	100.1
10°	140.3	139.2	138.2	134.9	129.5	125.1	121.8	116.4	113.1	111.0	106.6
12.5°	167.5	167.5	164.3	157.7	150.1	142.5	136.0	129.5	126.2	122.9	118.6
15°	201.3	200.2	199.1	188.2	176.2	165.4	154.5	146.9	143.6	141.4	133.8
17.5°	245.9	246.9	240.4	223.0	205.6	193.6	180.6	170.8	166.4	163.2	156.6
20°	303.5	302.4	292.6	267.6	248.0	228.4	214.3	199.1	195.8	192.5	184.9
22.5°	378.6	376.4	356.8	326.4	297.0	269.8	251.3	240.4	233.9	229.5	223.0
25°	455.8	464.5	437.3	400.3	357.9	316.6	297.0	290.5	283.9	280.7	272.0
27.5°	577.6	578.7	539.6	479.7	423.2	380.7	355.7	344.8	344.8	340.5	329.6
30°	707.1	706.0	658.1	582.0	504.8	446.0	419.9	413.4	415.6	410.1	394.9
32.5°	821.3	819.1	765.8	690.8	588.5	516.7	491.7	493.9	496.1	500.4	488.4
35°	945.3	944.2	881.2	788.7	677.7	597.2	579.8	600.5	601.6	608.1	580.9
37.5°	989.9	996.5	957.3	874.6	757.1	679.9	681.0	703.8	723.4	725.6	687.5
40°	1023.7	1026.9	991.0	924.7	828.9	765.8	793.0	830.0	831.1	812.6	750.6
42.5°	1100.9	1104.2	1054.1	970.4	881.2	852.9	892.0	931.2	923.6	907.3	830.0
45°	1150.9	1155.3	1122.7	1042.2	933.4	917.1	988.9	1041.1	1040.0	1029.1	922.5
47.5°	1202.1	1208.6	1174.9	1098.7	993.2	976.9	1095.5	1203.2	1202.1	1171.6	1045.4
50°	1186.8	1192.3	1194.5	1144.4	1035.6	1038.9	1207.5	1372.9	1381.6	1342.4	1195.5
52.5°	1094.4	1103.1	1134.6	1141.1	1066.1	1081.3	1316.3	1552.4	1563.2	1498.0	1311.9
55°	974.7	985.6	1026.9	1072.6	1047.6	1092.2	1406.6	1694.9	1701.4	1648.1	1461.0
57.5°	814.8	837.6	890.9	956.2	971.4	1066.1	1407.7	1812.3	1886.3	1845.0	1623.1
60°	656.0	653.8	724.5	807.2	857.2	970.4	1357.6	1870.0	1948.3	1873.3	1640.5
62.5°	471.0	478.7	554.8	650.5	712.5	821.3	1241.2	1756.9	1899.4	1897.2	1731.8
65°	336.1	343.8	399.2	490.6	562.4	681.0	1053.0	1645.9	1841.7	1859.1	1723.1
67.5°	239.3	242.6	285.0	356.8	419.9	520.0	862.7	1488.2	1684.0	1736.2	1673.1
70°	179.5	182.8	208.9	262.2	306.8	379.7	688.6	1261.9	1512.1	1588.3	1544.7
72.5°	138.2	142.5	159.9	200.2	226.3	270.9	514.6	1029.1	1222.7	1297.8	1279.3
75°	108.8	111.0	124.0	151.2	167.5	190.4	364.4	792.0	973.6	1081.3	1081.3
77.5°	87.0	90.3	99.0	118.6	132.7	141.4	250.2	568.9	755.0	863.7	888.8
80°	69.6	71.8	79.4	93.6	103.3	108.8	168.6	394.9	541.7	671.2	744.1
82.5°	55.5	55.5	63.1	74.0	83.8	90.3	124.0	279.6	387.3	485.2	565.7
85°	44.6	45.7	50.0	57.7	67.4	76.1	95.7	191.5	264.3	325.3	391.6
87.5°	34.8	34.8	39.2	44.6	54.4	64.2	78.3	129.5	174.1	224.1	263.3
90°	25.0	26.1	28.3	32.6	42.4	52.2	62.0	90.3	115.3	140.3	166.4
92.5°	18.5	18.5	19.6	22.8	30.5	41.3	50.0	65.3	79.4	91.4	103.3
95°	14.1	14.1	15.2	16.3	21.8	31.5	38.1	47.9	55.5	64.2	69.6
97.5°	12.0	12.0	12.0	13.1	17.4	23.9	29.4	35.9	41.3	46.8	52.2
100°	10.9	10.9	10.9	10.9	14.1	20.7	22.8	28.3	31.5	35.9	39.2
102.5°	9.8	9.8	9.8	9.8	13.1	17.4	19.6	21.8	25.0	27.2	30.5
105°	8.7	8.7	8.7	8.7	10.9	14.1	16.3	18.5	19.6	20.7	22.8
107.5°	7.6	7.6	7.6	7.6	9.8	13.1	14.1	14.1	15.2	16.3	18.5
110°	6.5	6.5	6.5	7.6	8.7	10.9	12.0	12.0	12.0	13.1	15.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.5	6.5	6.5	6.5	7.6	9.8	9.8	9.8	10.9	10.9	13.1
115°	5.4	5.4	5.4	6.5	7.6	8.7	8.7	8.7	8.7	9.8	10.9
117.5°	5.4	5.4	5.4	5.4	7.6	8.7	8.7	7.6	7.6	8.7	9.8
120°	5.4	5.4	5.4	5.4	6.5	7.6	7.6	7.6	7.6	7.6	8.7
122.5°	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	6.5	6.5	7.6
125°	5.4	5.4	5.4	5.4	6.5	6.5	6.5	5.4	5.4	6.5	7.6
127.5°	6.5	6.5	5.4	5.4	5.4	6.5	5.4	5.4	5.4	5.4	6.5
130°	6.5	6.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5
132.5°	6.5	6.5	5.4	5.4	5.4	5.4	5.4	4.4	4.4	5.4	6.5
135°	5.4	6.5	5.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4	5.4
137.5°	5.4	5.4	5.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4	4.4
140°	5.4	5.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4
142.5°	4.4	4.4	4.4	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3
145°	4.4	4.4	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	3.3	3.3	3.3	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1
150°	3.3	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	93.6	92.5	91.4	91.4	90.3	89.2	88.1	88.1	88.1	88.1	88.1
5°	94.6	93.6	91.4	89.2	87.0	84.9	83.8	81.6	81.6	81.6	80.5
7.5°	97.9	95.7	92.5	88.1	84.9	81.6	78.3	77.2	76.1	75.1	75.1
10°	103.3	101.2	95.7	90.3	84.9	80.5	76.1	72.9	70.7	70.7	70.7
12.5°	114.2	111.0	103.3	94.6	87.0	80.5	75.1	71.8	70.7	70.7	71.8
15°	131.6	127.3	116.4	105.5	93.6	83.8	79.4	79.4	80.5	81.6	81.6
17.5°	152.3	146.9	134.9	119.7	105.5	95.7	91.4	92.5	94.6	95.7	95.7
20°	181.7	171.9	159.9	139.2	120.8	112.0	106.6	105.5	111.0	113.1	113.1
22.5°	215.4	210.0	190.4	164.3	142.5	129.5	121.8	119.7	125.1	127.3	127.3
25°	265.4	254.6	231.7	196.9	168.6	146.9	136.0	133.8	141.4	145.8	145.8
27.5°	323.1	306.8	278.5	233.9	194.7	163.2	149.0	149.0	156.6	163.2	164.3
30°	382.9	364.4	330.7	275.2	220.8	176.2	158.8	159.9	167.5	177.3	175.1
32.5°	469.9	443.8	393.8	322.0	244.8	187.1	164.3	168.6	180.6	193.6	191.5
35°	554.8	527.6	467.8	374.2	265.4	192.5	167.5	177.3	190.4	200.2	200.2
37.5°	645.1	611.4	535.2	419.9	287.2	195.8	169.7	179.5	192.5	199.1	199.1
40°	704.9	671.2	584.2	452.5	295.9	194.7	168.6	178.4	187.1	189.3	187.1
42.5°	780.0	729.9	622.2	467.8	291.5	189.3	165.4	173.0	176.2	175.1	175.1
45°	869.2	813.7	676.6	473.2	278.5	180.6	161.0	166.4	170.8	171.9	171.9
47.5°	988.9	924.7	747.3	481.9	262.2	171.9	158.8	167.5	171.9	168.6	168.6
50°	1127.0	1051.9	828.9	489.5	245.9	165.4	159.9	170.8	171.9	168.6	167.5
52.5°	1236.9	1155.3	899.6	498.2	229.5	162.1	164.3	175.1	174.1	168.6	167.5
55°	1382.7	1298.9	962.7	478.7	214.3	163.2	168.6	179.5	176.2	167.5	167.5
57.5°	1554.5	1453.4	1046.5	467.8	196.9	166.4	174.1	183.8	178.4	170.8	169.7
60°	1581.7	1483.8	1044.3	440.6	183.8	168.6	178.4	188.2	183.8	178.4	178.4
62.5°	1674.2	1568.7	1026.9	392.7	174.1	168.6	181.7	193.6	194.7	191.5	190.4
65°	1662.2	1546.9	982.3	344.8	165.4	166.4	183.8	200.2	201.3	202.3	202.3
67.5°	1618.7	1498.0	905.1	302.4	155.6	163.2	183.8	199.1	204.5	208.9	208.9
70°	1486.0	1376.1	807.2	260.0	145.8	154.5	175.1	192.5	198.0	203.4	204.5
72.5°	1243.4	1141.1	662.5	220.8	132.7	141.4	159.9	176.2	182.8	187.1	186.0
75°	1036.7	954.0	538.5	175.1	118.6	125.1	140.3	154.5	158.8	162.1	162.1
77.5°	856.1	782.2	424.3	143.6	103.3	108.8	120.8	131.6	136.0	137.1	134.9
80°	714.7	627.7	332.9	116.4	88.1	91.4	103.3	112.0	116.4	114.2	115.3
82.5°	552.6	480.8	252.4	97.9	77.2	78.3	87.0	94.6	97.9	95.7	94.6
85°	375.3	326.4	181.7	84.9	67.4	66.4	71.8	78.3	80.5	79.4	78.3
87.5°	248.0	215.4	131.6	72.9	58.7	57.7	60.9	66.4	68.5	67.4	65.3
90°	156.6	142.5	94.6	62.0	51.1	49.0	51.1	54.4	57.7	56.6	55.5
92.5°	100.1	90.3	69.6	51.1	43.5	41.3	41.3	43.5	45.7	43.5	41.3
95°	67.4	65.3	53.3	41.3	35.9	33.7	32.6	32.6	34.8	32.6	31.5
97.5°	52.2	50.0	43.5	32.6	28.3	27.2	26.1	26.1	28.3	26.1	25.0
100°	40.3	40.3	34.8	27.2	21.8	21.8	21.8	22.8	23.9	22.8	22.8
102.5°	31.5	31.5	29.4	22.8	18.5	18.5	18.5	19.6	21.8	20.7	20.7
105°	23.9	25.0	23.9	18.5	16.3	16.3	16.3	17.4	18.5	18.5	18.5
107.5°	19.6	20.7	19.6	16.3	14.1	14.1	14.1	15.2	16.3	17.4	17.4
110°	16.3	17.4	16.3	14.1	13.1	13.1	13.1	13.1	15.2	15.2	16.3

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CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	14.1	14.1	12.0	12.0	12.0	10.9	12.0	13.1	14.1	14.1
115°	12.0	12.0	12.0	10.9	10.9	10.9	9.8	9.8	12.0	13.1	13.1
117.5°	10.9	10.9	10.9	9.8	9.8	9.8	8.7	8.7	9.8	12.0	12.0
120°	9.8	9.8	9.8	8.7	8.7	8.7	7.6	7.6	8.7	10.9	10.9
122.5°	8.7	8.7	8.7	7.6	7.6	7.6	7.6	7.6	8.7	9.8	9.8
125°	7.6	7.6	7.6	7.6	7.6	6.5	6.5	6.5	7.6	8.7	8.7
127.5°	7.6	7.6	7.6	6.5	6.5	6.5	6.5	6.5	6.5	7.6	8.7
130°	6.5	6.5	6.5	6.5	5.4	5.4	5.4	5.4	6.5	7.6	7.6
132.5°	6.5	6.5	6.5	5.4	5.4	5.4	5.4	5.4	6.5	6.5	7.6
135°	5.4	6.5	5.4	5.4	5.4	4.4	4.4	4.4	5.4	6.5	6.5
137.5°	5.4	5.4	4.4	4.4	4.4	4.4	4.4	4.4	5.4	5.4	5.4
140°	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4	5.4	5.4
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	4.4	4.4
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
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)