

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: P695758

Luminaire Tested: **LXF.LXT-PA16-60-827-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695758
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-PA16-60-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA 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: 4531 lumens
Efficiency: N/A
Efficacy: 73.1 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

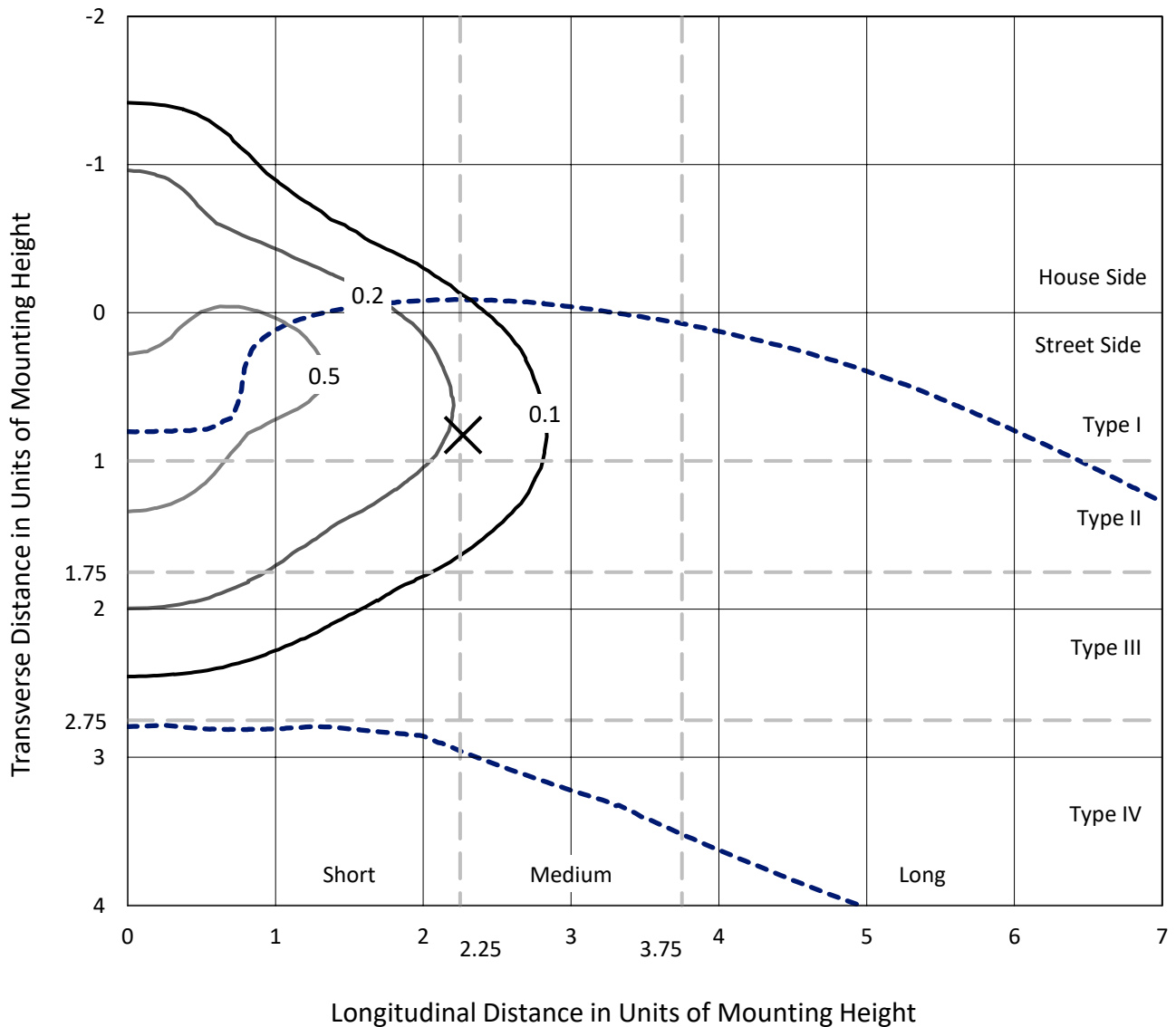
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

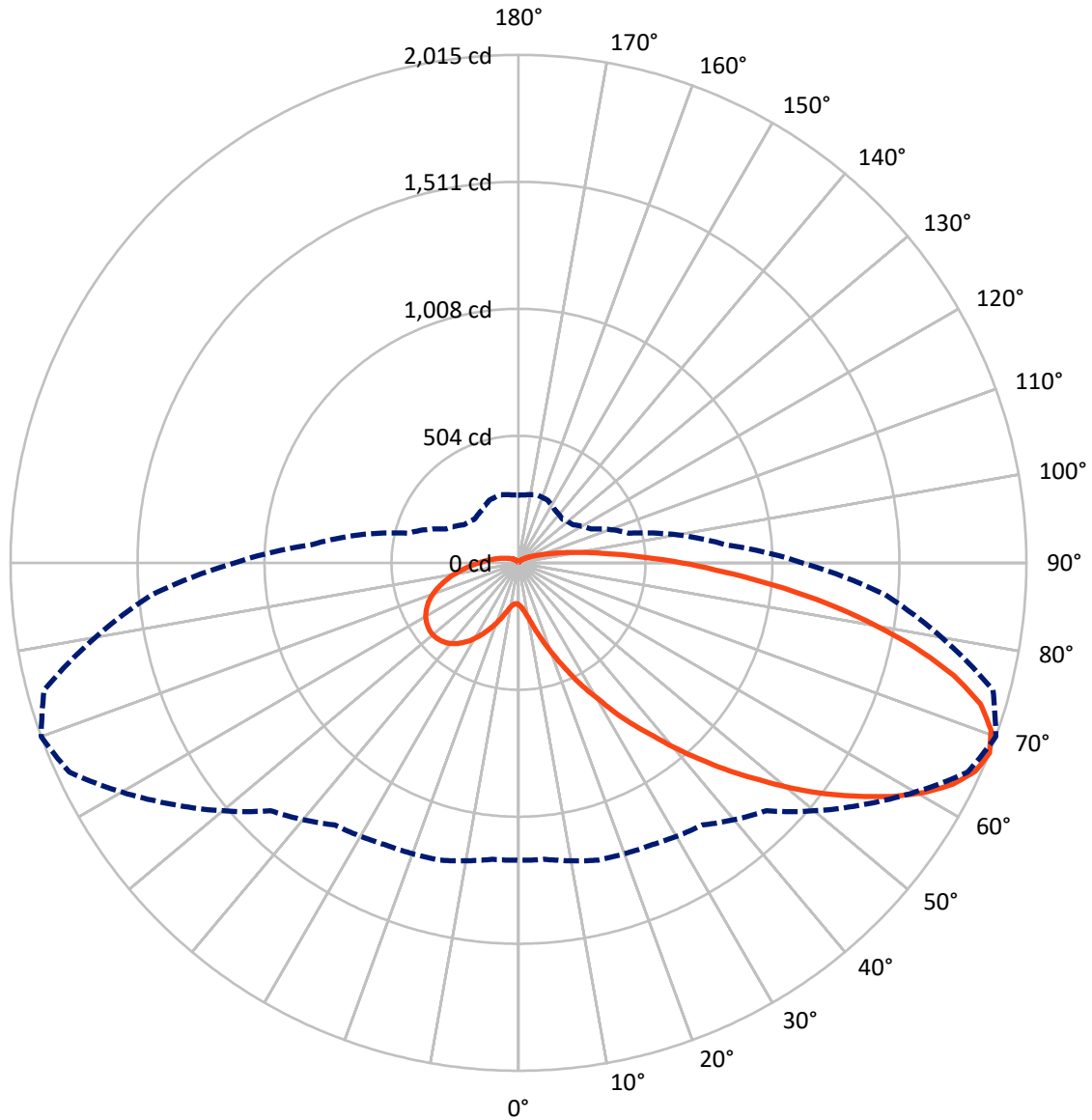
✕ Max cd
 - - - 1/2 Max cd



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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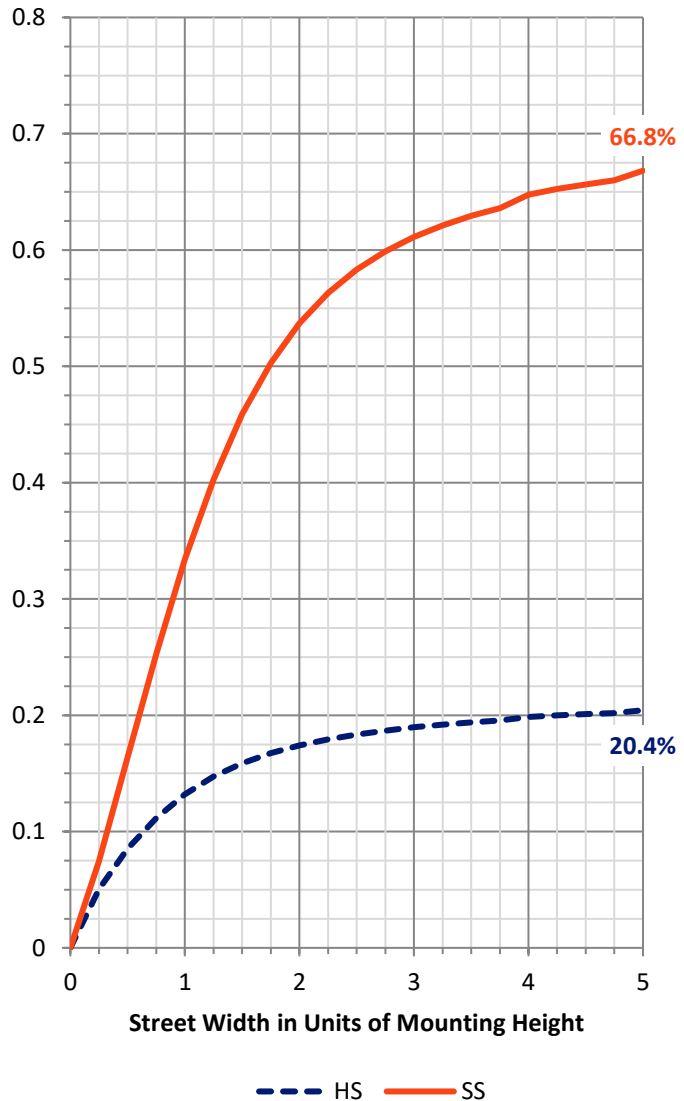
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.8	133.0	1109.8
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	3172.2	249.0	3421.2
	% Fixture	70.0	5.5	75.5
Total	Lumens	4149.0	382.0	4531.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.4
10°-20°	71.7	1.6
20°-30°	180.8	4.0
30°-40°	354.1	7.8
40°-50°	576.5	12.7
50°-60°	807.6	17.8
60°-70°	926.5	20.4
70°-80°	771.1	17.0
80°-90°	443.5	9.8
90°-100°	203.4	4.5
100°-110°	93.1	2.1
110°-120°	45.8	1.0
120°-130°	23.7	0.5
130°-140°	11.5	0.3
140°-150°	4.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4149.0	91.6
0°-180°	4531.0	100.0

Coefficient of Utilization

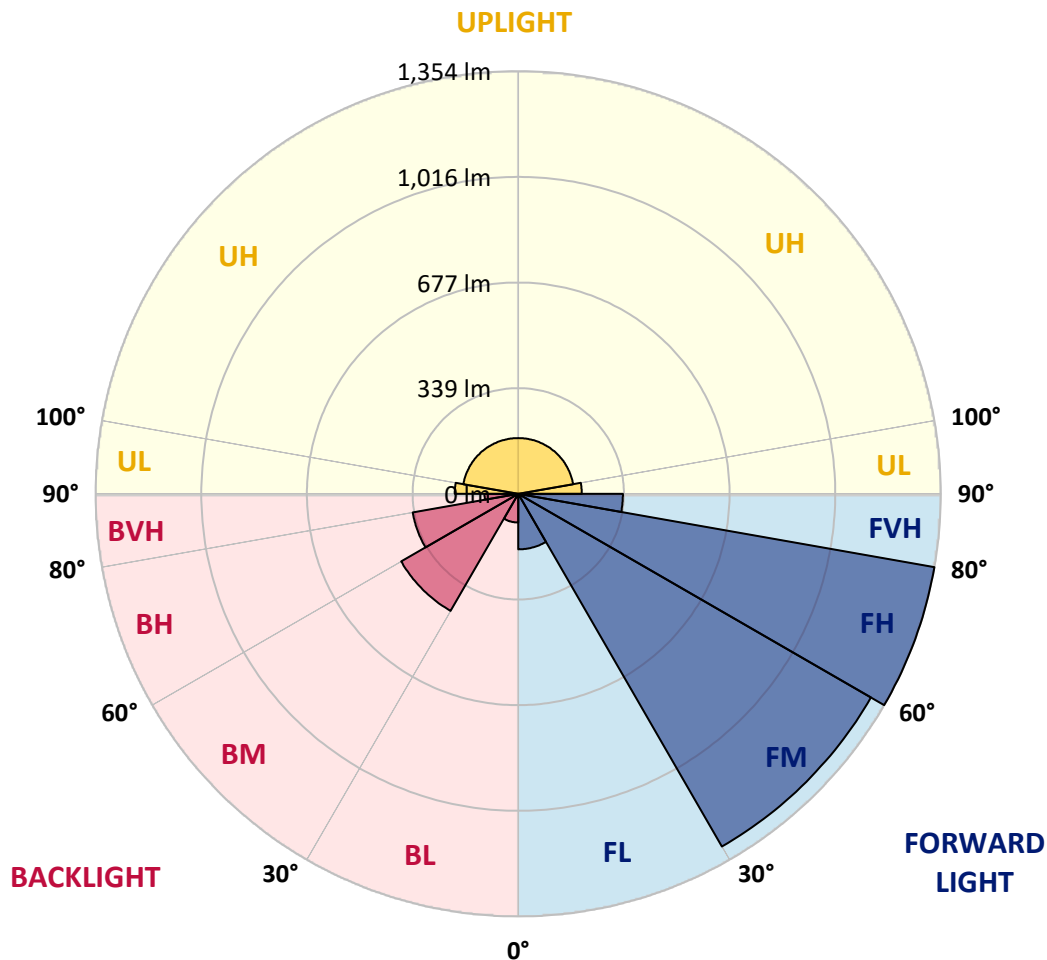


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.9	3.9			
FM (30°-60°)	1305.0	28.8			
FH (60°-80°)	1354.1	29.9			G1/1800
FVH (80°-90°)	335.3	7.4			G3/500
BL (0°-30°)	92.0	2.0	B0/110		
BM (30°-60°)	433.2	9.6	B1/1000		
BH (60°-80°)	343.4	7.6	B1/500		G1/500
BVH (80°-90°)	108.2	2.4			G2/225
UL (90°-100°)	203.4	4.5		U3/500	
UH (100°-180°)	178.5	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°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6
2.5°	182.4	182.4	182.4	180.7	180.7	177.2	177.2	173.6	173.6	171.9	168.4
5°	205.2	205.2	203.5	203.5	200.0	196.4	192.9	187.7	184.2	182.4	177.2
7.5°	231.5	231.5	229.8	226.3	224.5	219.2	212.2	205.2	201.7	198.2	189.4
10°	263.1	263.1	259.6	257.8	254.3	247.3	240.3	229.8	224.5	219.2	207.0
12.5°	299.9	296.4	296.4	291.2	285.9	280.6	271.9	259.6	254.3	247.3	231.5
15°	338.5	338.5	338.5	333.3	326.2	317.5	310.5	298.2	294.7	284.1	266.6
17.5°	384.1	387.6	382.4	375.3	371.8	363.1	354.3	345.5	336.8	326.2	303.4
20°	440.2	438.5	433.2	426.2	421.0	412.2	406.9	391.1	384.1	373.6	340.3
22.5°	494.6	496.4	491.1	480.6	473.6	468.3	459.5	447.3	436.7	424.5	387.6
25°	566.5	564.8	552.5	536.7	529.7	522.7	517.4	505.1	498.1	487.6	440.2
27.5°	638.4	631.4	622.7	608.6	591.1	578.8	575.3	570.0	564.8	547.2	494.6
30°	713.9	706.8	696.3	673.5	649.0	634.9	634.9	642.0	629.7	615.6	556.0
32.5°	794.5	785.8	771.7	743.7	710.4	694.6	701.6	713.9	712.1	691.1	617.4
35°	875.2	873.5	852.4	817.3	775.3	756.0	766.5	791.0	791.0	775.3	684.0
37.5°	954.2	955.9	936.6	892.8	838.4	817.3	833.1	873.5	873.5	861.2	748.9
40°	1054.1	1050.6	1015.5	964.7	905.0	878.7	910.3	962.9	971.7	948.9	820.9
42.5°	1140.1	1133.1	1105.0	1041.9	969.9	938.4	982.2	1054.1	1071.7	1045.4	894.5
45°	1227.8	1219.0	1185.7	1115.5	1034.8	998.0	1059.4	1155.9	1178.7	1154.1	971.7
47.5°	1310.2	1301.4	1271.6	1187.4	1103.2	1069.9	1138.3	1259.3	1287.4	1266.4	1047.1
50°	1385.6	1383.9	1347.0	1259.3	1162.9	1131.3	1220.8	1368.1	1404.9	1373.4	1124.3
52.5°	1450.5	1443.5	1408.4	1324.2	1222.5	1198.0	1304.9	1482.1	1522.4	1490.9	1201.5
55°	1490.9	1487.4	1455.8	1373.4	1276.9	1259.3	1389.1	1585.6	1634.7	1606.6	1273.4
57.5°	1510.2	1504.9	1478.6	1404.9	1317.2	1315.5	1466.3	1692.6	1748.7	1711.9	1347.0
60°	1490.9	1487.4	1469.8	1413.7	1343.5	1359.3	1547.0	1790.8	1850.4	1810.1	1404.9
62.5°	1426.0	1426.0	1424.2	1390.9	1348.8	1396.2	1610.1	1875.0	1934.6	1885.5	1447.0
65°	1324.2	1329.5	1340.0	1333.0	1326.0	1408.4	1652.2	1938.1	1992.5	1934.6	1469.8
67.5°	1180.4	1180.4	1220.8	1236.5	1269.9	1390.9	1671.5	1966.2	2015.3	1948.7	1461.1
70°	1020.8	1020.8	1066.4	1112.0	1185.7	1345.3	1650.5	1950.4	1989.0	1915.3	1422.5
72.5°	854.2	855.9	910.3	973.4	1075.2	1266.4	1594.4	1882.0	1917.1	1829.4	1345.3
75°	691.1	705.1	750.7	833.1	950.6	1161.1	1489.1	1762.7	1783.8	1699.6	1236.5
77.5°	547.2	564.8	619.1	699.8	822.6	1027.8	1347.0	1603.1	1606.6	1525.9	1105.0
80°	433.2	445.5	501.6	577.1	696.3	892.8	1178.7	1404.9	1401.4	1322.5	947.1
82.5°	342.0	350.8	394.6	468.3	582.3	764.7	1012.0	1178.7	1190.9	1113.8	794.5
85°	263.1	273.6	314.0	378.9	480.6	636.7	836.6	966.4	971.7	903.3	654.2
87.5°	201.7	212.2	249.1	310.5	396.4	522.7	682.3	784.0	775.3	720.9	517.4
90°	156.1	161.4	198.2	249.1	324.5	431.5	549.0	615.6	615.6	563.0	413.9
92.5°	124.5	126.3	159.6	205.2	268.4	350.8	442.0	484.1	471.8	442.0	326.2
95°	98.2	101.7	128.0	168.4	221.0	287.7	349.0	378.9	368.3	340.3	256.1
97.5°	78.9	82.4	105.2	140.3	184.2	235.0	280.6	294.7	289.4	270.1	203.5
100°	64.9	66.7	85.9	119.3	154.3	194.7	224.5	233.3	222.8	210.5	159.6
102.5°	54.4	56.1	73.7	100.0	131.5	159.6	182.4	185.9	177.2	163.1	128.0
105°	45.6	47.4	61.4	85.9	110.5	135.1	149.1	147.3	138.6	128.0	103.5
107.5°	40.3	40.3	52.6	73.7	96.5	112.3	122.8	119.3	110.5	100.0	84.2
110°	35.1	35.1	43.8	63.1	82.4	96.5	101.7	96.5	87.7	80.7	68.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	31.6	31.6	38.6	54.4	70.2	82.4	84.2	77.2	71.9	66.7	56.1
115°	28.1	29.8	33.3	45.6	59.6	70.2	70.2	64.9	59.6	54.4	49.1
117.5°	26.3	26.3	29.8	40.3	52.6	59.6	59.6	54.4	49.1	45.6	42.1
120°	24.6	24.6	28.1	35.1	45.6	50.9	50.9	45.6	42.1	38.6	36.8
122.5°	22.8	22.8	24.6	29.8	38.6	43.8	43.8	38.6	35.1	33.3	31.6
125°	21.0	21.0	22.8	26.3	33.3	36.8	36.8	31.6	29.8	28.1	28.1
127.5°	19.3	19.3	21.0	22.8	28.1	31.6	29.8	26.3	24.6	24.6	24.6
130°	17.5	17.5	19.3	21.0	24.6	26.3	24.6	22.8	21.0	21.0	21.0
132.5°	17.5	17.5	17.5	17.5	19.3	21.0	21.0	19.3	17.5	19.3	19.3
135°	15.8	15.8	15.8	15.8	15.8	17.5	15.8	15.8	15.8	15.8	15.8
137.5°	14.0	14.0	14.0	14.0	14.0	14.0	12.3	12.3	12.3	14.0	14.0
140°	12.3	12.3	12.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5	12.3
142.5°	10.5	10.5	10.5	8.8	8.8	7.0	7.0	7.0	8.8	8.8	10.5
145°	8.8	8.8	8.8	7.0	5.3	5.3	5.3	5.3	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	5.3	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	5.3	5.3	5.3	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5
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°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6
2.5°	168.4	166.6	164.9	161.4	159.6	159.6	159.6	157.9	157.9	156.1	156.1
5°	173.6	171.9	164.9	159.6	156.1	152.6	149.1	147.3	145.6	143.8	143.8
7.5°	184.2	180.7	171.9	163.1	156.1	149.1	143.8	140.3	138.6	136.8	136.8
10°	200.0	194.7	180.7	168.4	157.9	149.1	142.1	138.6	135.1	133.3	133.3
12.5°	222.8	215.7	196.4	178.9	164.9	152.6	145.6	140.3	136.8	135.1	135.1
15°	254.3	242.0	217.5	194.7	175.4	159.6	150.8	147.3	145.6	145.6	145.6
17.5°	287.7	270.1	242.0	212.2	189.4	171.9	163.1	159.6	157.9	157.9	157.9
20°	324.5	305.2	266.6	231.5	203.5	187.7	177.2	173.6	171.9	171.9	171.9
22.5°	364.8	343.8	292.9	249.1	221.0	203.5	192.9	187.7	189.4	189.4	189.4
25°	410.4	380.6	321.0	270.1	236.8	219.2	208.7	203.5	207.0	208.7	208.7
27.5°	461.3	421.0	347.3	289.4	254.3	233.3	224.5	221.0	226.3	228.0	229.8
30°	510.4	464.8	373.6	310.5	268.4	247.3	238.5	240.3	243.8	247.3	250.8
32.5°	564.8	505.1	401.7	328.0	282.4	257.8	252.6	257.8	264.8	268.4	270.1
35°	617.4	547.2	422.7	343.8	292.9	268.4	264.8	273.6	282.4	289.4	289.4
37.5°	670.0	585.8	445.5	356.1	301.7	275.4	275.4	287.7	298.2	306.9	306.9
40°	724.4	627.9	464.8	366.6	308.7	282.4	284.1	299.9	314.0	319.2	321.0
42.5°	780.5	663.0	480.6	373.6	312.2	287.7	291.2	310.5	324.5	329.7	331.5
45°	834.9	699.8	492.9	377.1	315.7	289.4	294.7	317.5	331.5	336.8	336.8
47.5°	885.8	731.4	501.6	378.9	315.7	289.4	298.2	321.0	336.8	338.5	338.5
50°	940.1	763.0	508.6	378.9	314.0	289.4	298.2	322.7	336.8	336.8	336.8
52.5°	992.7	791.0	512.2	375.3	310.5	287.7	296.4	321.0	335.0	331.5	331.5
55°	1041.9	813.8	510.4	370.1	305.2	282.4	292.9	317.5	329.7	324.5	324.5
57.5°	1082.2	833.1	506.9	363.1	299.9	277.1	287.7	312.2	322.7	315.7	314.0
60°	1117.3	845.4	499.9	354.3	291.2	270.1	282.4	305.2	314.0	305.2	303.4
62.5°	1136.6	850.7	489.4	342.0	284.1	263.1	273.6	296.4	303.4	292.9	292.9
65°	1143.6	843.7	473.6	329.7	273.6	256.1	264.8	285.9	291.2	282.4	280.6
67.5°	1126.0	824.4	454.3	317.5	263.1	245.6	254.3	273.6	278.9	270.1	268.4
70°	1089.2	787.5	429.7	299.9	250.8	235.0	242.0	257.8	264.8	257.8	256.1
72.5°	1020.8	741.9	401.7	282.4	236.8	222.8	229.8	243.8	250.8	243.8	242.0
75°	940.1	682.3	370.1	263.1	222.8	210.5	215.7	226.3	233.3	229.8	226.3
77.5°	833.1	610.4	336.8	243.8	208.7	196.4	200.0	210.5	215.7	212.2	212.2
80°	720.9	531.5	303.4	222.8	194.7	184.2	184.2	192.9	198.2	196.4	192.9
82.5°	612.1	454.3	268.4	201.7	177.2	168.4	170.1	173.6	180.7	177.2	175.4
85°	503.4	385.9	235.0	182.4	161.4	154.3	154.3	156.1	161.4	159.6	157.9
87.5°	412.2	317.5	205.2	161.4	145.6	140.3	136.8	140.3	140.3	140.3	136.8
90°	335.0	263.1	177.2	143.8	133.3	126.3	122.8	122.8	122.8	121.0	119.3
92.5°	266.6	217.5	154.3	128.0	119.3	114.0	110.5	108.7	107.0	103.5	103.5
95°	219.2	178.9	133.3	112.3	107.0	101.7	98.2	96.5	93.0	89.5	87.7
97.5°	173.6	149.1	114.0	100.0	94.7	91.2	87.7	84.2	78.9	75.4	73.7
100°	138.6	121.0	98.2	87.7	84.2	80.7	77.2	73.7	68.4	63.1	61.4
102.5°	114.0	101.7	84.2	78.9	75.4	71.9	70.2	64.9	57.9	52.6	52.6
105°	93.0	84.2	73.7	68.4	66.7	64.9	61.4	56.1	49.1	43.8	43.8
107.5°	77.2	71.9	63.1	61.4	59.6	57.9	54.4	49.1	42.1	36.8	36.8
110°	64.9	59.6	54.4	52.6	52.6	50.9	49.1	42.1	36.8	31.6	31.6

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 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	54.4	50.9	49.1	47.4	47.4	45.6	43.8	36.8	31.6	28.1	28.1
115°	45.6	43.8	42.1	42.1	42.1	40.3	38.6	33.3	26.3	24.6	24.6
117.5°	40.3	38.6	36.8	36.8	36.8	36.8	33.3	28.1	22.8	21.0	21.0
120°	35.1	35.1	33.3	33.3	33.3	31.6	29.8	24.6	19.3	19.3	19.3
122.5°	31.6	29.8	29.8	29.8	29.8	28.1	24.6	21.0	17.5	17.5	17.5
125°	28.1	26.3	26.3	26.3	26.3	24.6	21.0	17.5	15.8	15.8	15.8
127.5°	24.6	24.6	22.8	22.8	22.8	21.0	19.3	15.8	14.0	14.0	14.0
130°	21.0	21.0	21.0	21.0	19.3	17.5	15.8	14.0	12.3	12.3	12.3
132.5°	19.3	19.3	17.5	17.5	17.5	15.8	14.0	12.3	10.5	12.3	12.3
135°	15.8	15.8	15.8	15.8	14.0	12.3	12.3	10.5	10.5	10.5	10.5
137.5°	14.0	14.0	14.0	12.3	12.3	10.5	10.5	8.8	8.8	8.8	10.5
140°	12.3	12.3	10.5	10.5	8.8	8.8	8.8	7.0	8.8	8.8	8.8
142.5°	10.5	10.5	8.8	8.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0
145°	7.0	7.0	7.0	7.0	5.3	5.3	5.3	5.3	7.0	7.0	7.0
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3
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)