

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: P696032

Luminaire Tested: **LXF.LXT-PA16-827-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696032
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-PA16-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA 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: 5485.9 lumens
Efficiency: N/A
Efficacy: 76.2 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

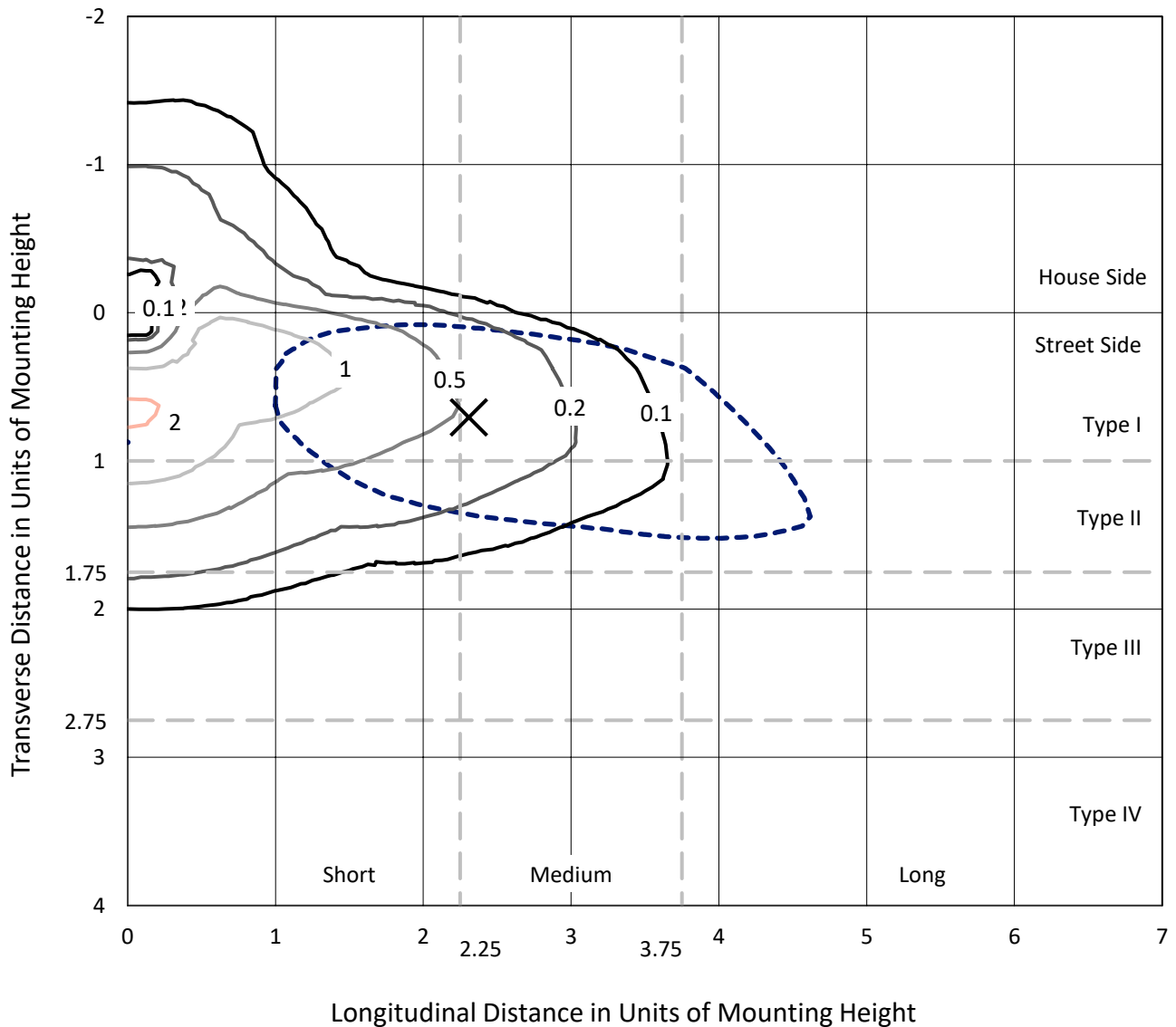
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

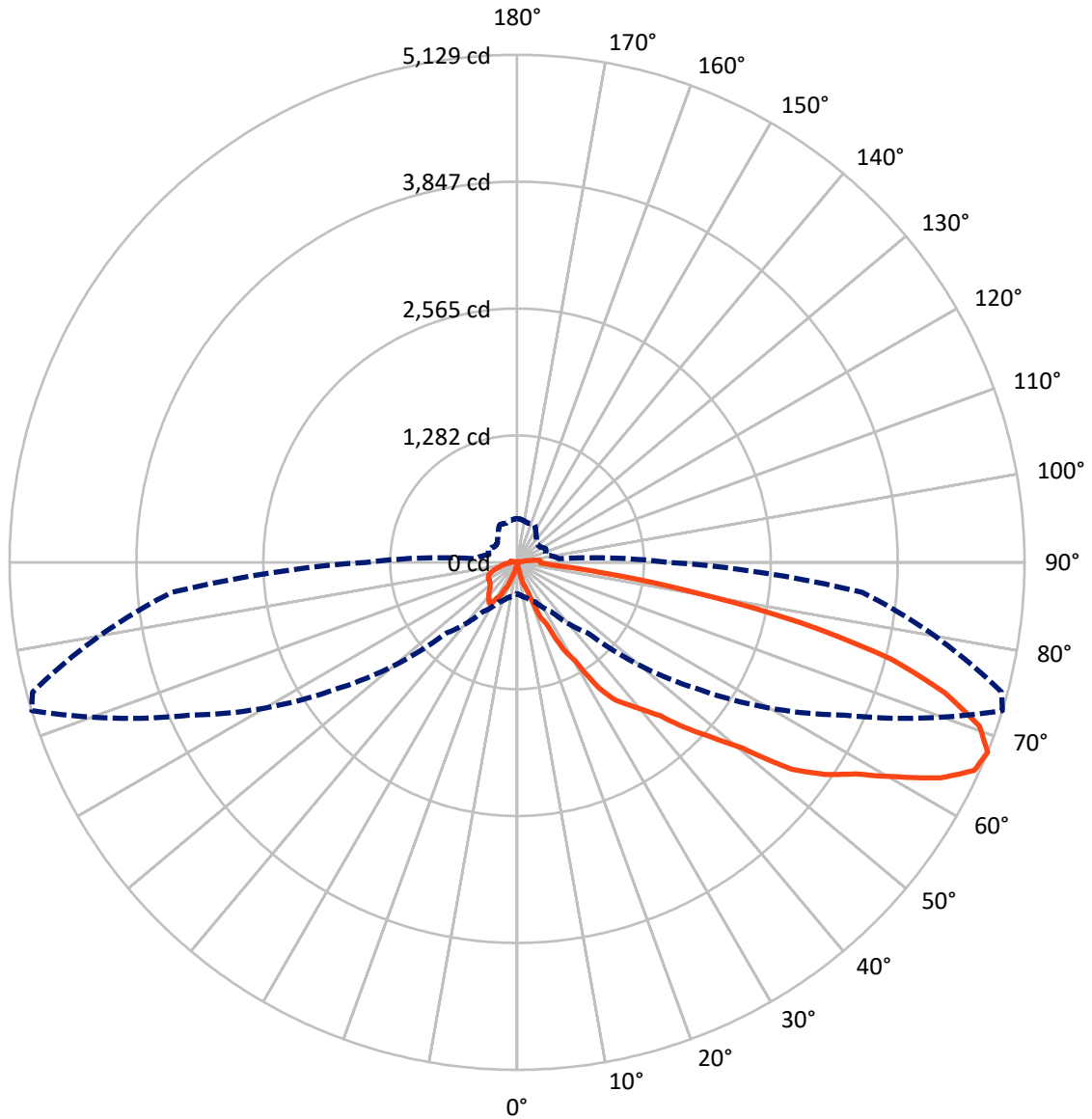
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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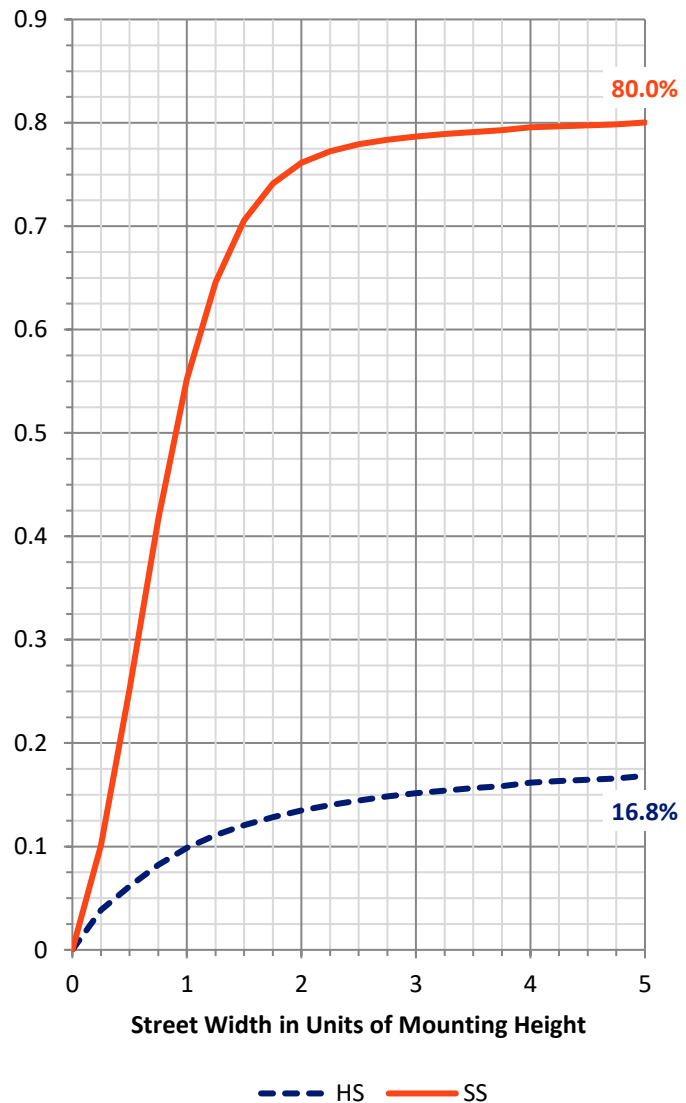
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	969.8	41.2	1011.0
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	4424.2	50.7	4474.9
	% Fixture	80.6	0.9	81.6
Total	Lumens	5394.0	91.9	5485.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	44.4	0.8
20°-30°	274.6	5.0
30°-40°	690.8	12.6
40°-50°	997.5	18.2
50°-60°	1219.9	22.2
60°-70°	1202.8	21.9
70°-80°	756.7	13.8
80°-90°	206.9	3.8
90°-100°	60.1	1.1
100°-110°	12.9	0.2
110°-120°	6.6	0.1
120°-130°	5.4	0.1
130°-140°	3.8	0.1
140°-150°	2.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5394.0	98.3
0°-180°	5485.9	100.0

Coefficient of Utilization

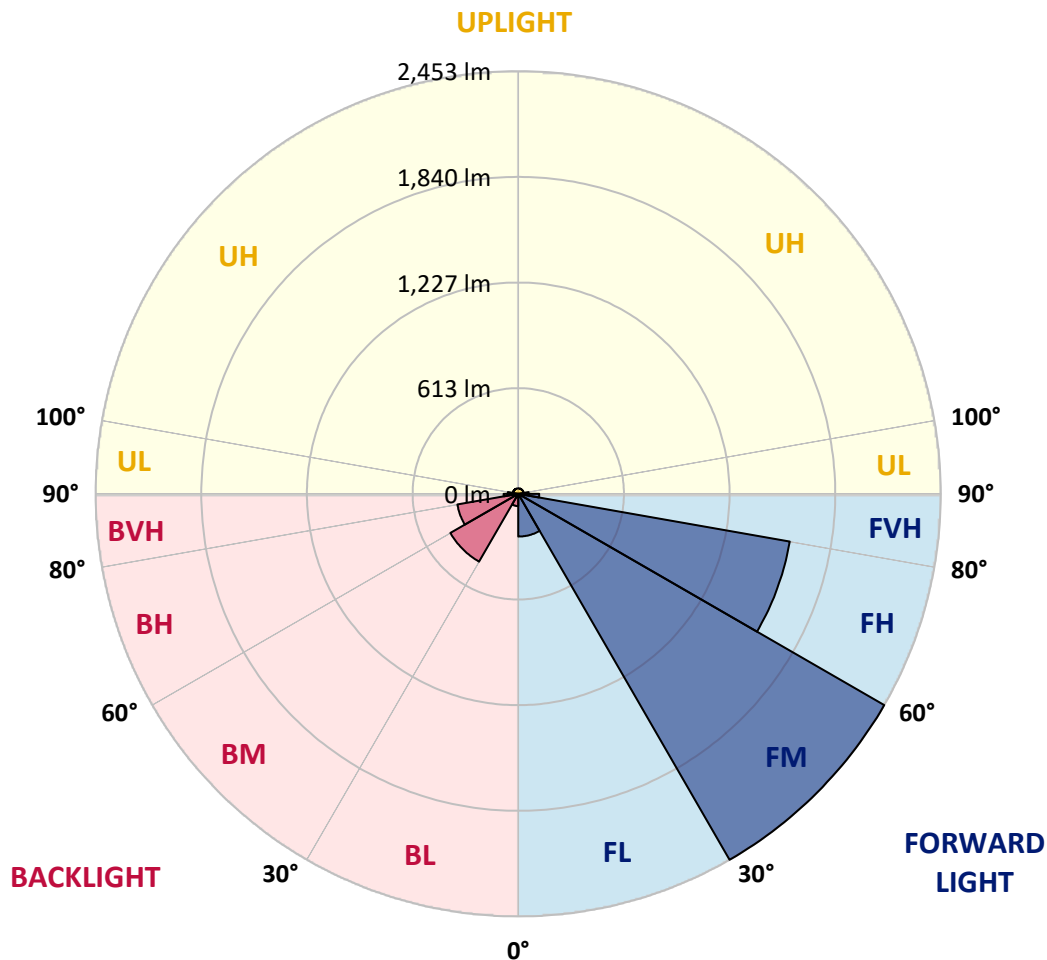


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.3	4.5			
FM (30°-60°)	2453.3	44.7			
FH (60°-80°)	1600.7	29.2			G1/1800
FVH (80°-90°)	121.9	2.2			G2/225
BL (0°-30°)	71.2	1.3	B0/110		
BM (30°-60°)	454.9	8.3	B1/1000		
BH (60°-80°)	358.7	6.5	B1/500		G1/500
BVH (80°-90°)	85.0	1.5			G1/100
UL (90°-100°)	60.1	1.1		U3/500	
UH (100°-180°)	31.8	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9
5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9
7.5°	7.8	9.7	7.8	7.8	7.8	7.8	7.8	5.8	3.9	3.9	3.9
10°	33.1	31.2	21.4	19.5	11.7	9.7	7.8	5.8	5.8	5.8	5.8
12.5°	261.0	259.1	253.3	227.9	39.0	19.5	11.7	15.6	21.4	25.3	29.2
15°	300.0	303.9	298.1	292.2	282.5	93.5	40.9	226.0	210.4	202.6	155.8
17.5°	541.6	405.2	356.5	348.7	327.3	274.7	249.4	276.6	251.3	243.5	189.0
20°	744.2	740.3	726.6	701.3	393.5	500.7	479.2	325.3	329.2	348.7	372.1
22.5°	831.8	827.9	810.4	783.1	818.2	576.6	543.5	603.9	598.1	580.5	450.0
25°	1363.7	1346.1	1250.7	911.7	913.7	804.6	833.8	777.3	685.7	668.2	524.0
27.5°	1478.6	1488.3	1465.0	1330.5	1046.1	1071.4	915.6	894.2	997.4	1026.6	792.9
30°	1977.3	2024.1	1800.0	1517.6	1371.5	1170.8	1122.1	1227.3	1153.3	1120.2	866.9
32.5°	2310.4	2289.0	2246.1	1893.5	1556.5	1402.6	1400.7	1353.9	1509.8	1505.9	1217.6
35°	2442.9	2425.4	2382.5	2074.7	1790.3	1646.1	1523.4	1683.1	1708.5	1644.2	1299.4
37.5°	2542.3	2522.8	2472.1	2140.9	1977.3	1745.5	1796.1	1803.9	1827.3	1813.7	1371.5
40°	2548.1	2536.4	2501.3	2234.5	2080.6	1823.4	1946.1	1963.7	1957.8	1992.9	1463.0
42.5°	2526.7	2503.3	2481.9	2252.0	2135.1	1883.8	2061.1	2162.4	2119.5	2170.2	1570.2
45°	2442.9	2415.6	2405.9	2252.0	2127.3	1924.7	2195.5	2349.4	2382.5	2337.7	1687.0
47.5°	2300.7	2294.8	2298.7	2199.4	2119.5	1971.5	2324.1	2491.6	2635.8	2565.6	1858.5
50°	2156.5	2166.3	2193.5	2139.0	2096.1	1998.7	2487.7	2737.1	2949.4	2853.9	2115.6
52.5°	1928.6	1942.2	2020.2	2041.6	2029.9	1996.8	2614.3	3068.2	3475.4	3342.9	2382.5
55°	1720.2	1728.0	1780.6	1858.5	1903.3	1955.9	2665.0	3214.3	3785.1	3635.1	2555.9
57.5°	1482.5	1466.9	1535.1	1648.1	1749.4	1899.4	2717.6	3329.3	4034.5	3952.7	2781.9
60°	1200.0	1166.9	1266.3	1371.5	1525.4	1782.5	2750.7	3528.0	4400.7	4354.0	3111.1
62.5°	808.5	824.0	923.4	1065.6	1279.9	1585.7	2713.7	3709.2	4798.1	4770.9	3385.8
65°	508.5	529.9	594.2	716.9	935.1	1334.4	2557.8	3794.9	5074.8	5028.0	3543.6
67.5°	317.5	331.2	372.1	446.1	613.6	1011.1	2234.5	3656.6	5129.3	5068.9	3504.6
70°	263.0	266.9	272.7	290.3	377.9	699.4	1776.7	3298.1	4955.9	4965.7	3342.9
72.5°	235.7	239.6	239.6	237.7	243.5	438.3	1266.3	2797.5	4523.5	4523.5	3021.5
75°	216.2	218.2	212.3	210.4	206.5	272.7	773.4	2216.9	3905.9	3831.9	2524.7
77.5°	190.9	194.8	189.0	189.0	187.0	208.4	448.1	1690.9	2926.0	2801.4	1702.6
80°	163.6	163.6	163.6	163.6	165.6	165.6	280.5	1161.1	1763.0	1624.7	919.5
82.5°	130.5	128.6	132.5	140.3	136.4	126.6	216.2	676.0	855.2	775.3	453.9
85°	50.7	62.3	72.1	87.7	91.6	87.7	165.6	333.1	364.3	389.6	280.5
87.5°	29.2	29.2	23.4	23.4	25.3	35.1	103.2	200.7	235.7	264.9	247.4
90°	31.2	31.2	23.4	21.4	21.4	29.2	89.6	183.1	239.6	266.9	251.3
92.5°	33.1	33.1	23.4	21.4	21.4	23.4	74.0	163.6	237.7	272.7	245.5
95°	29.2	31.2	21.4	19.5	21.4	21.4	54.5	130.5	220.1	224.0	229.9
97.5°	19.5	21.4	13.6	15.6	19.5	17.5	29.2	76.0	116.9	89.6	107.1
100°	11.7	13.6	9.7	11.7	13.6	13.6	15.6	33.1	29.2	19.5	19.5
102.5°	11.7	11.7	7.8	9.7	9.7	7.8	7.8	13.6	11.7	11.7	19.5
105°	11.7	11.7	7.8	7.8	5.8	5.8	5.8	9.7	9.7	11.7	19.5
107.5°	7.8	9.7	5.8	5.8	5.8	5.8	3.9	5.8	9.7	9.7	21.4
110°	5.8	5.8	3.9	3.9	3.9	5.8	3.9	5.8	7.8	9.7	15.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.9	5.8	3.9	3.9	3.9	3.9	3.9	5.8	7.8	7.8	9.7
115°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	7.8	11.7
117.5°	5.8	5.8	3.9	3.9	1.9	3.9	3.9	3.9	5.8	7.8	11.7
120°	5.8	5.8	3.9	3.9	1.9	1.9	3.9	3.9	7.8	7.8	11.7
122.5°	5.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	5.8	7.8	11.7
125°	5.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	5.8	7.8	9.7
127.5°	5.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8	9.7
130°	5.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8	9.7
132.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	7.8
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9
145°	7.8	7.8	7.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	7.8	7.8	7.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9
150°	7.8	9.7	7.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
5°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9
7.5°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9
10°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	1.9
12.5°	29.2	29.2	21.4	9.7	3.9	1.9	1.9	1.9	5.8	5.8	5.8
15°	142.2	128.6	114.9	101.3	27.3	3.9	3.9	17.5	66.2	93.5	97.4
17.5°	165.6	150.0	134.4	122.7	109.1	40.9	44.8	116.9	120.8	122.7	120.8
20°	319.5	284.4	185.1	140.3	120.8	126.6	111.0	124.7	134.4	138.3	138.3
22.5°	379.9	327.3	280.5	245.5	144.2	173.4	161.7	144.2	224.0	229.9	231.8
25°	440.3	372.1	302.0	261.0	251.3	179.2	190.9	220.1	237.7	241.6	239.6
27.5°	642.9	529.9	422.7	282.5	266.9	224.0	239.6	231.8	253.3	309.7	315.6
30°	691.6	551.3	430.5	342.9	280.5	263.0	247.4	302.0	327.3	327.3	329.2
32.5°	958.5	736.4	529.9	342.9	309.7	264.9	296.1	315.6	331.2	354.6	346.8
35°	1003.3	744.2	524.0	397.4	309.7	278.6	305.8	325.3	397.4	405.2	403.3
37.5°	1040.3	736.4	494.8	385.7	335.1	296.1	311.7	372.1	401.3	399.4	395.5
40°	1081.2	724.7	465.6	377.9	333.1	298.1	333.1	374.0	391.6	381.8	372.1
42.5°	1127.9	707.2	440.3	360.4	325.3	300.0	335.1	364.3	362.3	356.5	350.7
45°	1188.3	687.7	411.0	344.8	321.4	296.1	329.2	339.0	352.6	348.7	344.8
47.5°	1277.9	668.2	385.7	331.2	317.5	290.3	333.1	344.8	356.5	346.8	344.8
50°	1410.4	640.9	364.3	327.3	315.6	307.8	305.8	354.6	364.3	340.9	337.0
52.5°	1500.0	609.8	352.6	323.4	309.7	300.0	325.3	350.7	360.4	333.1	331.2
55°	1560.4	564.9	342.9	323.4	305.8	282.5	352.6	358.4	358.4	327.3	323.4
57.5°	1626.7	533.8	337.0	329.2	303.9	263.0	368.2	366.2	358.4	317.5	319.5
60°	1722.1	514.3	331.2	335.1	303.9	268.8	362.3	383.8	358.4	323.4	335.1
62.5°	1776.7	494.8	327.3	337.0	300.0	268.8	350.7	409.1	387.7	362.3	364.3
65°	1700.7	469.5	315.6	335.1	294.2	274.7	339.0	418.8	414.9	403.3	405.2
67.5°	1527.3	426.6	294.2	321.4	274.7	278.6	333.1	418.8	411.0	436.4	442.2
70°	1334.4	376.0	263.0	298.1	261.0	274.7	346.8	405.2	405.2	452.0	461.7
72.5°	1129.9	307.8	227.9	272.7	261.0	266.9	362.3	389.6	389.6	452.0	450.0
75°	927.3	245.5	190.9	233.8	241.6	266.9	360.4	372.1	362.3	413.0	403.3
77.5°	677.9	194.8	163.6	196.8	218.2	266.9	348.7	346.8	331.2	354.6	350.7
80°	416.9	153.9	138.3	167.5	183.1	255.2	329.2	315.6	288.3	300.0	296.1
82.5°	241.6	114.9	116.9	142.2	146.1	233.8	298.1	274.7	245.5	251.3	245.5
85°	155.8	74.0	91.6	109.1	114.9	190.9	255.2	231.8	198.7	257.1	245.5
87.5°	120.8	42.9	62.3	72.1	70.1	83.8	146.1	138.3	136.4	111.0	107.1
90°	113.0	37.0	62.3	62.3	50.7	40.9	56.5	58.4	48.7	52.6	46.8
92.5°	101.3	37.0	66.2	62.3	44.8	33.1	46.8	46.8	37.0	35.1	33.1
95°	83.8	33.1	70.1	64.3	40.9	29.2	39.0	37.0	29.2	27.3	25.3
97.5°	44.8	21.4	66.2	58.4	37.0	27.3	35.1	31.2	21.4	19.5	17.5
100°	15.6	13.6	64.3	50.7	31.2	21.4	25.3	23.4	13.6	11.7	9.7
102.5°	13.6	11.7	37.0	37.0	19.5	11.7	15.6	15.6	11.7	9.7	9.7
105°	15.6	11.7	13.6	19.5	9.7	5.8	7.8	9.7	9.7	11.7	11.7
107.5°	15.6	11.7	9.7	9.7	7.8	5.8	5.8	5.8	9.7	11.7	11.7
110°	13.6	11.7	7.8	9.7	7.8	5.8	5.8	5.8	9.7	13.6	13.6

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 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	9.7	7.8	7.8	5.8	5.8	5.8	5.8	9.7	13.6	15.6
115°	9.7	9.7	5.8	5.8	5.8	5.8	3.9	5.8	9.7	15.6	17.5
117.5°	11.7	9.7	5.8	5.8	3.9	3.9	3.9	5.8	11.7	17.5	19.5
120°	11.7	9.7	5.8	5.8	3.9	3.9	3.9	5.8	11.7	19.5	19.5
122.5°	11.7	9.7	5.8	5.8	3.9	3.9	3.9	5.8	11.7	19.5	19.5
125°	9.7	9.7	5.8	5.8	3.9	3.9	3.9	5.8	11.7	19.5	19.5
127.5°	9.7	7.8	5.8	3.9	3.9	3.9	3.9	5.8	11.7	17.5	19.5
130°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	5.8	11.7	17.5	17.5
132.5°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	5.8	9.7	15.6	15.6
135°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	5.8	7.8	11.7	11.7
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	7.8	7.8
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
142.5°	3.9	3.9	3.9	3.9	3.9	1.9	3.9	3.9	5.8	5.8	5.8
145°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	3.9
147.5°	3.9	3.9	3.9	3.9	1.9	1.9	1.9	3.9	5.8	5.8	3.9
150°	3.9	3.9	3.9	1.9	1.9	1.9	1.9	3.9	5.8	5.8	3.9
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)