

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: P415245

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3562.9 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 40
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: 28.75 FT

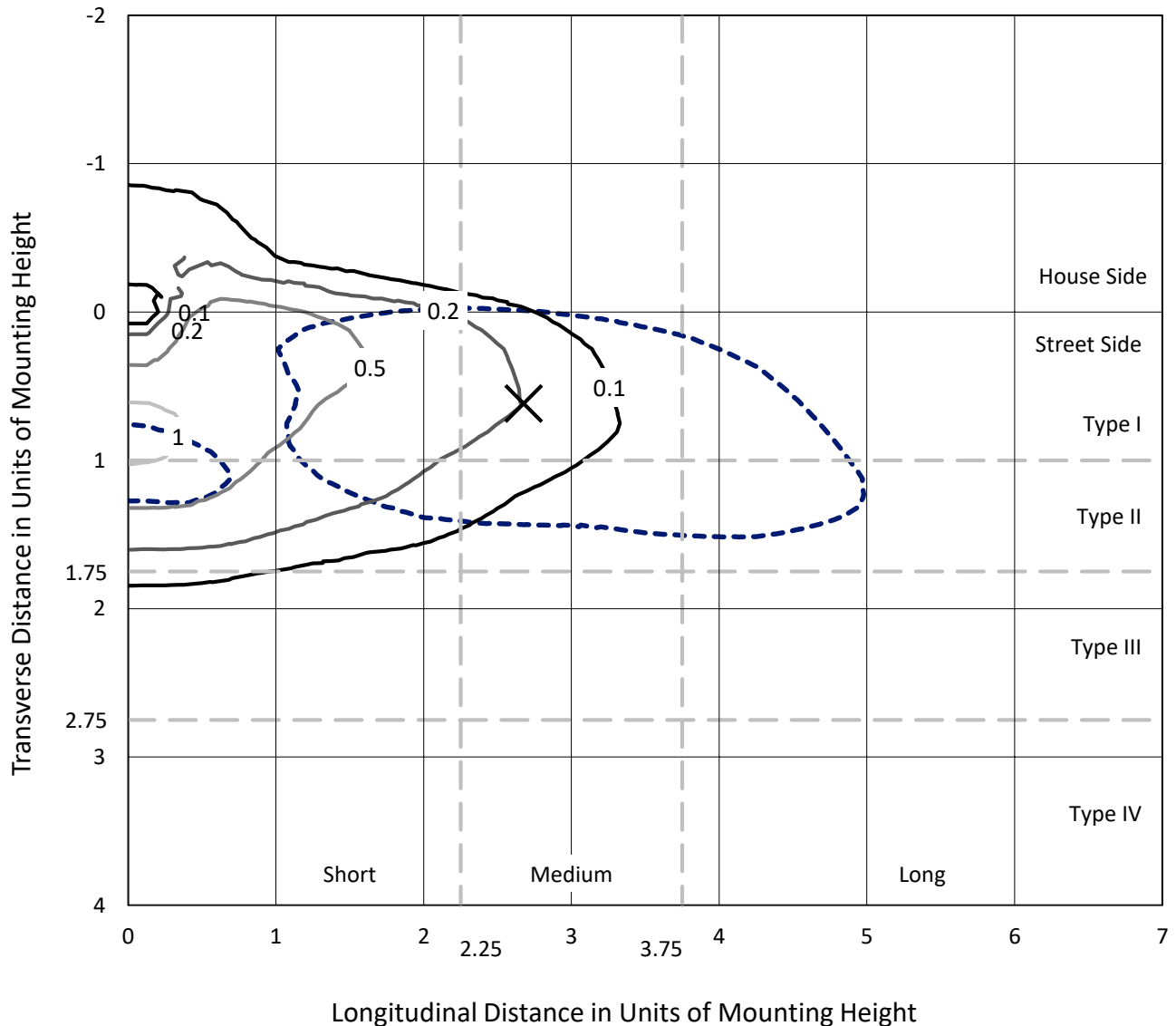


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

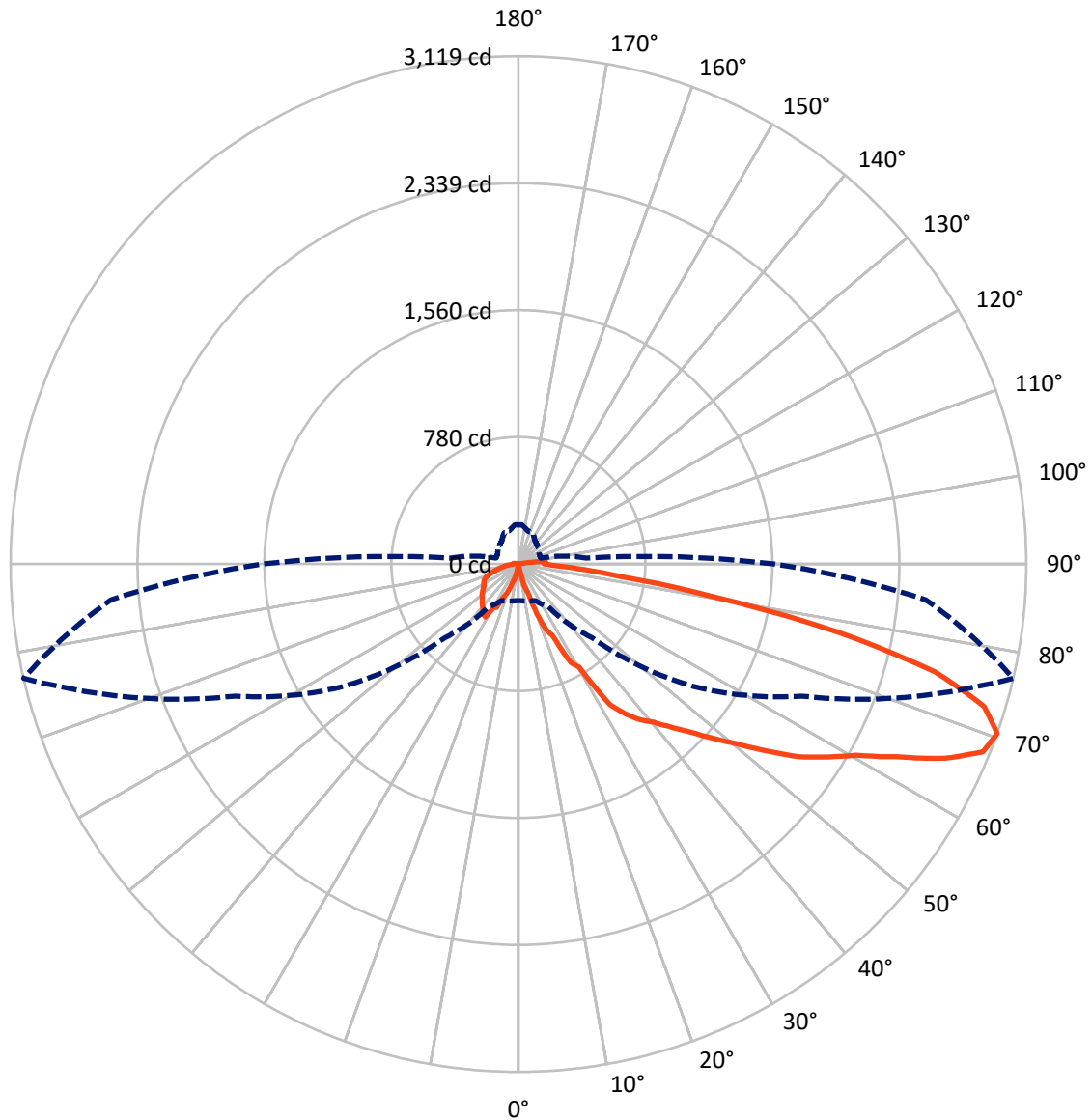


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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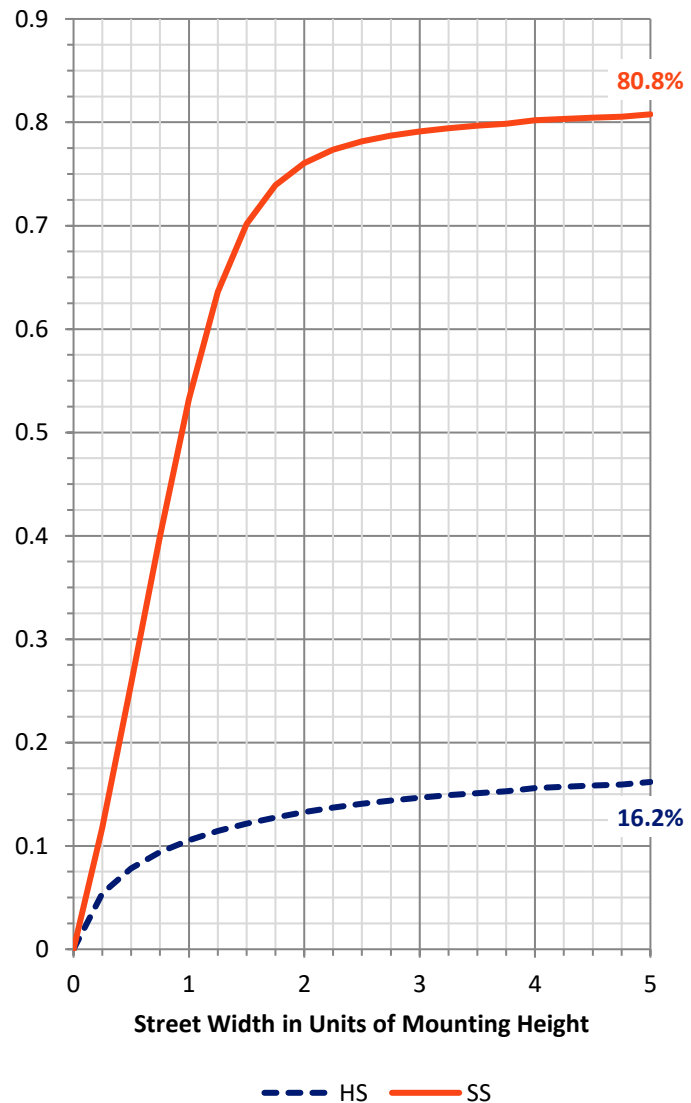
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	602.6	26.4	629.0
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	2901.0	32.9	2933.9
	% Fixture	81.4	0.9	82.3
Total	Lumens	3503.7	59.3	3562.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	42.4	1.2
20°-30°	167.9	4.7
30°-40°	405.5	11.4
40°-50°	655.9	18.4
50°-60°	784.5	22.0
60°-70°	767.1	21.5
70°-80°	530.3	14.9
80°-90°	147.2	4.1
90°-100°	38.7	1.1
100°-110°	7.9	0.2
110°-120°	4.2	0.1
120°-130°	3.4	0.1
130°-140°	2.3	0.1
140°-150°	1.9	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3503.7	98.3
0°-180°	3562.9	100.0

Coefficient of Utilization



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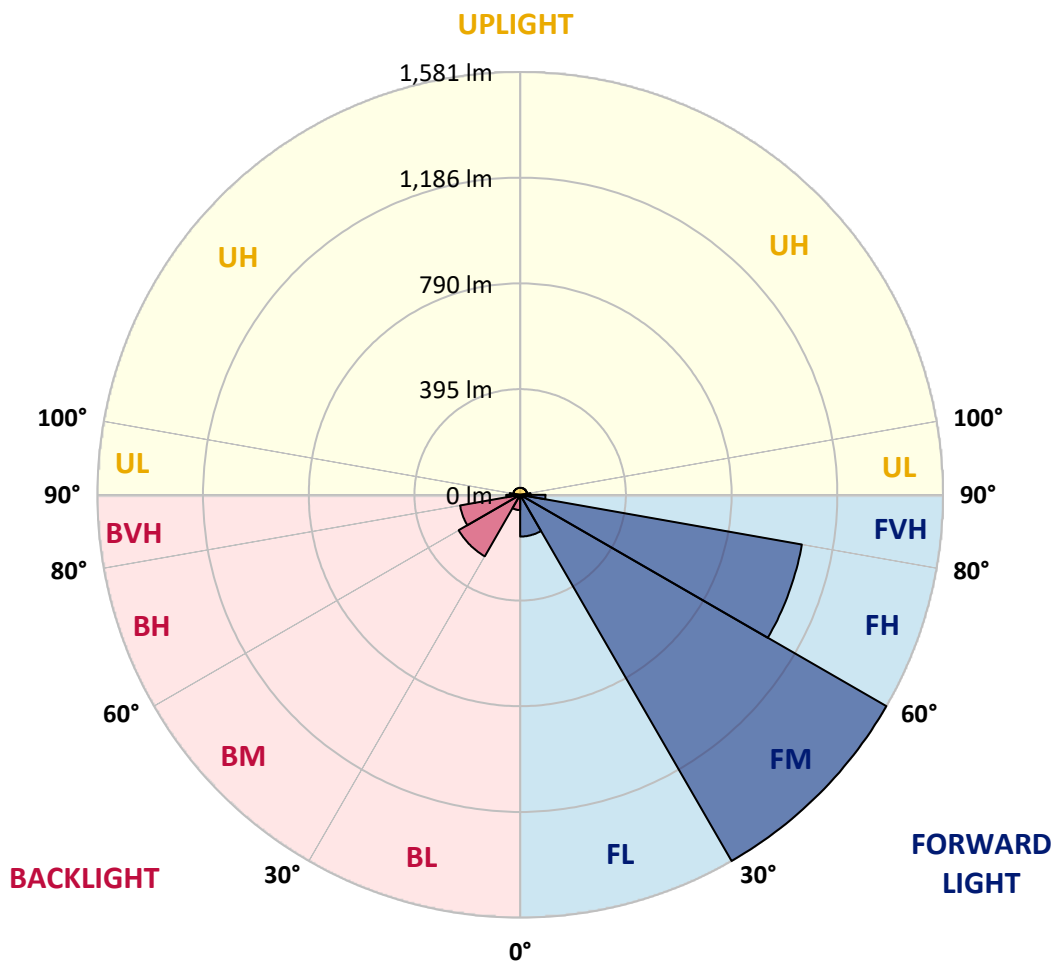
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.1	4.4			
FM	(30°-60°)	1580.8	44.4			
FH	(60°-80°)	1069.3	30.0			G1/1800
FVH	(80°-90°)	94.8	2.7			G1/100
BL	(0°-30°)	57.1	1.6	B0/110		
BM	(30°-60°)	265.1	7.4	B1/1000		
BH	(60°-80°)	228.1	6.4	B1/500		G1/500
BVH	(80°-90°)	52.4	1.5			G1/100
UL	(90°-100°)	38.7	1.1		U2/50	
UH	(100°-180°)	26.4	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	4.4	4.0	4.0	4.4	5.2	4.8	3.6	2.8	2.4	2.4	2.4
5°	87.3	84.5	82.5	58.3	12.9	7.6	4.8	3.6	2.8	2.8	2.4
7.5°	104.2	102.6	101.8	99.0	95.8	89.3	16.1	5.2	3.2	3.2	2.8
10°	117.9	116.7	115.1	113.5	109.1	104.6	95.8	13.3	5.2	5.2	4.4
12.5°	240.2	236.6	233.4	165.8	123.1	118.3	109.9	75.3	57.1	55.1	66.4
15°	246.7	246.7	246.7	248.7	245.1	132.0	179.9	225.3	148.9	144.1	148.9
17.5°	262.8	260.4	256.3	257.5	262.4	291.3	268.4	250.7	198.4	176.3	171.4
20°	393.2	391.1	392.3	363.8	279.7	367.0	364.6	282.5	322.3	326.8	318.3
22.5°	419.7	419.3	418.1	416.5	478.1	389.5	419.3	444.3	450.3	441.4	366.2
25°	595.6	591.1	537.6	453.1	512.3	468.8	559.3	492.5	501.4	485.7	464.0
27.5°	680.5	671.2	662.0	636.6	550.1	626.5	595.2	649.5	728.0	686.1	590.3
30°	897.8	903.0	753.3	744.9	680.5	664.4	728.8	763.4	764.2	733.6	662.8
32.5°	1105.4	1091.3	1056.3	905.8	810.4	744.1	845.1	812.9	1000.0	1029.0	898.6
35°	1309.0	1281.7	1179.1	1076.8	945.7	917.1	905.4	1017.7	1088.5	1130.0	972.2
37.5°	1599.2	1579.5	1481.3	1214.1	1090.1	987.1	1061.6	1083.3	1196.0	1213.7	1072.8
40°	1705.8	1692.5	1610.8	1401.2	1203.2	1101.8	1131.6	1162.2	1302.6	1278.0	1148.5
42.5°	1782.3	1777.4	1712.2	1499.0	1350.5	1215.7	1212.5	1228.1	1412.0	1367.0	1224.1
45°	1841.0	1834.2	1795.5	1561.7	1420.1	1286.1	1299.8	1309.4	1508.2	1468.8	1310.6
47.5°	1829.7	1832.6	1837.8	1639.8	1461.5	1354.9	1389.1	1379.5	1586.7	1595.9	1407.6
50°	1743.2	1748.9	1787.5	1671.2	1485.3	1411.2	1466.4	1457.5	1696.1	1734.8	1519.5
52.5°	1486.1	1495.3	1638.6	1622.5	1506.2	1455.5	1545.6	1547.7	1824.1	1906.2	1662.3
55°	1088.1	1123.1	1297.4	1461.1	1483.3	1469.6	1598.8	1661.9	1971.4	2089.7	1789.9
57.5°	875.2	868.0	988.3	1226.9	1369.8	1452.3	1654.7	1763.8	2105.8	2237.0	1917.5
60°	679.3	681.7	770.6	941.6	1171.0	1409.6	1711.8	1855.5	2271.2	2385.1	2073.6
62.5°	505.8	510.7	575.0	677.3	944.0	1290.5	1729.5	1970.2	2501.0	2608.8	2262.3
65°	367.4	375.4	410.5	473.2	682.1	1111.9	1675.6	2055.9	2755.7	2878.4	2463.9
67.5°	276.1	280.5	301.0	339.2	487.3	882.5	1542.4	2050.7	2883.7	3076.8	2550.5
70°	224.5	226.6	234.2	247.9	319.9	639.8	1308.6	1918.7	2911.0	3119.1	2510.2
72.5°	190.7	189.9	190.3	192.4	220.9	437.4	1010.8	1671.6	2806.4	2990.7	2328.7
75°	163.0	161.8	161.8	159.8	170.6	307.0	696.2	1349.3	2528.3	2642.6	1961.7
77.5°	138.8	136.8	136.4	132.4	137.2	228.6	461.2	1004.8	2000.4	2002.4	1390.7
80°	118.3	114.7	113.1	110.3	115.9	174.2	301.0	655.5	1223.7	1204.0	771.8
82.5°	87.3	87.3	89.7	90.5	99.8	129.2	212.5	389.9	668.0	632.2	447.5
85°	50.3	54.7	64.8	66.0	76.5	85.7	159.8	231.0	373.8	360.6	229.4
87.5°	18.5	17.7	27.0	28.6	32.2	32.2	86.9	126.8	196.0	204.0	180.7
90°	15.3	15.3	10.5	9.7	12.5	20.9	58.8	88.9	147.3	158.1	170.6
92.5°	16.1	16.1	10.5	9.3	11.7	18.5	49.5	84.1	154.5	169.4	176.3
95°	15.3	15.7	9.3	8.5	10.9	15.7	37.0	72.0	148.5	162.6	172.2
97.5°	13.3	13.7	7.6	7.2	9.7	11.3	20.1	35.8	74.0	76.9	79.7
100°	10.9	10.9	5.6	6.0	7.6	7.6	10.5	18.9	18.1	14.9	12.9
102.5°	9.3	10.1	5.2	4.8	5.6	4.8	4.8	7.2	10.9	9.3	12.5
105°	7.6	8.5	4.4	4.0	4.4	4.0	3.2	5.2	8.0	9.3	13.3
107.5°	5.2	5.6	3.2	3.6	3.6	3.6	2.4	4.0	7.6	8.9	13.7
110°	3.6	3.6	2.4	3.2	3.2	3.6	2.4	4.0	6.0	6.8	10.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.4	2.4	2.0	2.4	2.8	2.8	2.4	3.6	5.2	5.6	7.6
115°	2.0	2.0	1.6	2.0	2.4	2.4	2.0	3.2	5.2	6.0	8.0
117.5°	2.4	2.0	1.6	2.0	2.4	2.0	2.0	2.8	5.2	6.0	8.0
120°	2.4	2.4	2.0	2.0	2.0	2.0	2.0	2.8	5.2	6.0	8.0
122.5°	2.8	2.4	2.0	2.0	2.0	2.0	2.0	2.4	4.8	5.6	7.6
125°	2.8	2.8	2.0	2.0	2.4	2.0	2.0	2.4	4.8	5.2	7.2
127.5°	3.2	2.8	2.4	2.0	2.4	2.0	2.0	2.4	4.4	4.8	6.4
130°	3.2	3.2	2.4	2.0	2.4	2.0	2.0	2.0	3.6	4.0	5.6
132.5°	3.2	3.2	2.8	2.4	2.8	2.4	2.0	2.0	2.8	3.2	4.4
135°	3.6	3.2	3.2	2.8	3.2	2.8	2.0	2.0	2.0	2.4	3.2
137.5°	3.6	3.6	3.6	3.2	3.6	2.8	2.0	2.0	2.0	2.0	2.4
140°	4.4	4.4	4.0	3.6	4.0	3.2	2.4	2.0	2.0	2.0	2.4
142.5°	5.2	5.2	4.8	4.4	4.0	3.2	2.8	2.4	2.4	2.4	2.4
145°	6.0	5.6	5.6	4.8	4.0	3.2	2.8	2.8	2.8	2.8	2.8
147.5°	6.0	6.0	5.6	4.4	3.6	2.4	2.4	3.2	3.2	3.2	3.2
150°	5.6	5.6	4.8	4.0	2.8	2.0	2.0	2.8	3.2	3.2	3.2
152.5°	4.4	4.0	3.6	2.4	2.0	1.2	1.6	2.0	2.4	2.4	2.8
155°	2.8	2.4	2.0	1.6	1.6	1.2	1.2	1.6	1.6	1.6	2.0
157.5°	1.2	1.2	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.4	0.4	0.4	0.4	1.2	1.2	1.2	0.8	0.8	0.8	0.8
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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	2.4	2.4	2.4	2.4	2.4	2.0	2.4	2.8	3.2	3.2	3.2
5°	2.4	2.4	2.4	2.8	2.8	2.4	2.8	3.6	4.0	4.0	4.0
7.5°	2.8	2.4	2.8	3.2	3.2	3.2	14.1	40.6	45.1	45.9	46.7
10°	4.0	4.0	4.0	4.4	4.8	42.3	49.9	52.3	53.9	55.1	55.5
12.5°	61.2	53.5	33.4	8.9	42.7	52.3	55.1	59.2	61.2	63.6	62.8
15°	137.2	121.5	91.3	78.1	76.5	58.3	61.2	101.8	113.1	115.1	114.7
17.5°	155.3	133.6	101.8	108.7	113.1	87.7	103.0	113.9	115.9	117.9	117.5
20°	288.9	230.2	138.0	119.5	118.3	148.1	109.9	113.5	117.5	138.4	140.8
22.5°	320.7	264.8	180.7	175.0	142.9	150.5	143.3	145.3	157.7	157.7	156.9
25°	401.6	320.3	204.0	178.7	181.5	149.7	168.2	145.3	147.7	147.7	148.1
27.5°	522.3	411.7	270.8	199.2	179.5	181.1	159.8	147.3	168.6	171.0	172.2
30°	558.9	427.4	268.0	222.5	187.5	175.9	149.3	165.0	159.0	159.0	157.7
32.5°	781.1	583.1	333.6	217.7	192.4	163.4	165.4	155.3	152.5	165.0	165.0
35°	824.9	600.4	321.9	245.1	184.7	170.2	157.3	159.8	154.5	153.7	152.5
37.5°	875.2	612.5	295.8	230.2	195.2	163.4	162.6	156.5	149.7	159.4	161.0
40°	923.1	624.1	274.8	212.5	180.3	162.6	159.4	156.1	141.6	141.6	141.2
42.5°	977.0	631.8	255.9	198.4	165.8	163.0	154.1	144.1	134.4	137.2	136.4
45°	1033.0	636.6	236.6	182.7	152.9	168.6	154.5	150.1	142.5	143.7	142.5
47.5°	1101.8	644.7	219.7	167.4	144.9	154.5	146.1	144.1	148.5	144.5	146.9
50°	1175.0	649.1	204.0	154.1	136.8	150.1	151.3	145.3	148.5	141.6	141.2
52.5°	1262.8	653.1	187.1	145.3	135.6	149.3	158.5	152.1	146.5	137.6	136.8
55°	1340.0	640.2	172.6	139.6	143.7	147.7	164.6	156.9	145.3	135.2	135.6
57.5°	1424.1	623.7	161.0	137.2	142.1	144.9	173.0	163.8	150.5	150.9	151.3
60°	1511.0	608.0	153.7	136.8	140.0	146.1	174.2	173.0	157.3	161.0	163.8
62.5°	1614.9	595.6	152.5	139.6	147.3	152.5	175.4	187.9	174.2	175.9	176.7
65°	1696.1	559.3	151.3	141.2	150.1	153.7	175.9	198.4	192.4	201.6	200.8
67.5°	1671.2	492.5	149.3	142.9	152.1	160.2	175.4	206.0	205.2	226.6	224.5
70°	1569.4	418.5	142.9	140.8	152.9	163.4	175.9	208.0	211.7	241.8	239.8
72.5°	1398.0	337.6	131.2	135.2	153.3	167.4	181.1	208.4	212.5	255.1	249.1
75°	1169.8	272.8	113.9	122.3	158.1	169.8	182.3	204.4	204.4	244.7	237.0
77.5°	841.8	210.1	98.2	111.1	156.5	168.2	178.7	195.2	192.4	211.7	204.4
80°	490.5	154.9	83.7	109.1	146.9	165.0	168.6	172.2	159.0	163.4	159.0
82.5°	294.6	114.7	72.4	97.8	129.2	148.5	151.3	145.3	127.6	127.2	121.1
85°	176.7	78.5	53.1	75.7	101.8	123.9	127.2	110.3	93.8	103.4	92.6
87.5°	130.4	49.5	36.6	47.1	62.0	57.9	75.7	71.2	60.8	58.3	57.5
90°	117.5	37.8	30.2	38.2	41.9	35.8	38.6	38.6	31.4	31.0	29.4
92.5°	116.3	35.4	32.2	37.4	33.8	28.6	31.4	31.0	24.9	23.7	22.5
95°	108.7	31.8	32.2	33.8	29.8	23.3	25.4	23.7	17.7	16.5	15.3
97.5°	51.1	22.1	30.6	29.4	24.5	18.1	20.9	18.1	12.5	10.9	10.9
100°	12.1	18.9	26.2	26.6	19.7	13.7	14.5	11.7	8.0	6.8	6.8
102.5°	12.1	8.5	16.1	20.9	12.1	5.6	8.0	7.6	6.0	6.0	6.4
105°	12.1	8.0	8.0	13.7	7.2	3.6	3.6	4.8	5.2	6.8	7.6
107.5°	12.5	8.5	6.4	6.4	5.2	3.6	3.2	3.6	5.2	8.0	8.5
110°	10.5	7.6	6.0	5.6	5.2	3.6	2.8	3.6	5.2	8.9	9.7



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.6	6.8	5.2	5.2	4.4	3.6	2.8	3.2	5.6	9.7	10.5
115°	7.6	6.4	4.8	4.4	3.6	3.2	2.8	3.2	6.0	10.5	11.3
117.5°	8.0	6.4	4.4	4.0	3.2	2.4	2.4	3.2	6.0	10.9	11.7
120°	8.0	6.4	4.4	4.0	3.2	2.4	2.4	3.6	6.4	10.5	11.3
122.5°	7.6	6.4	4.4	4.0	3.2	2.0	2.4	3.2	6.0	10.1	10.9
125°	6.8	6.0	4.4	3.6	3.2	2.0	2.4	3.2	6.0	9.7	10.1
127.5°	6.4	5.6	4.0	3.6	2.8	2.0	2.4	3.2	5.6	8.9	9.3
130°	5.6	5.2	3.6	3.2	2.8	2.0	2.4	3.2	5.6	8.0	8.5
132.5°	4.4	4.0	3.2	2.8	2.8	2.0	2.4	2.8	4.4	6.8	7.2
135°	3.2	3.2	2.8	2.8	2.8	2.0	2.4	2.4	3.6	5.2	5.6
137.5°	2.4	2.4	2.4	2.8	2.4	2.0	2.0	2.4	3.2	4.0	4.4
140°	2.4	2.4	2.4	2.8	2.4	2.0	2.0	2.4	2.8	3.2	3.6
142.5°	2.4	2.4	2.4	2.8	2.4	1.6	2.0	2.4	2.8	3.2	3.2
145°	2.8	2.8	2.8	2.8	2.4	1.6	1.6	2.4	2.8	3.2	3.2
147.5°	3.2	3.2	2.8	2.8	2.4	1.2	1.2	2.4	2.8	3.2	3.2
150°	3.2	3.2	2.8	2.8	2.0	1.2	1.2	2.0	2.8	2.8	2.8
152.5°	2.4	2.4	2.4	2.4	2.0	0.8	0.8	1.6	2.4	2.4	2.4
155°	2.0	2.0	2.0	2.0	1.6	0.8	0.4	1.2	2.0	2.0	2.0
157.5°	1.2	1.6	1.6	2.0	1.6	0.8	0.4	0.8	1.6	1.6	1.6
160°	0.8	1.2	1.2	1.6	1.6	0.8	0.4	0.8	1.2	1.2	1.2
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)