

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: P415017

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3942 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

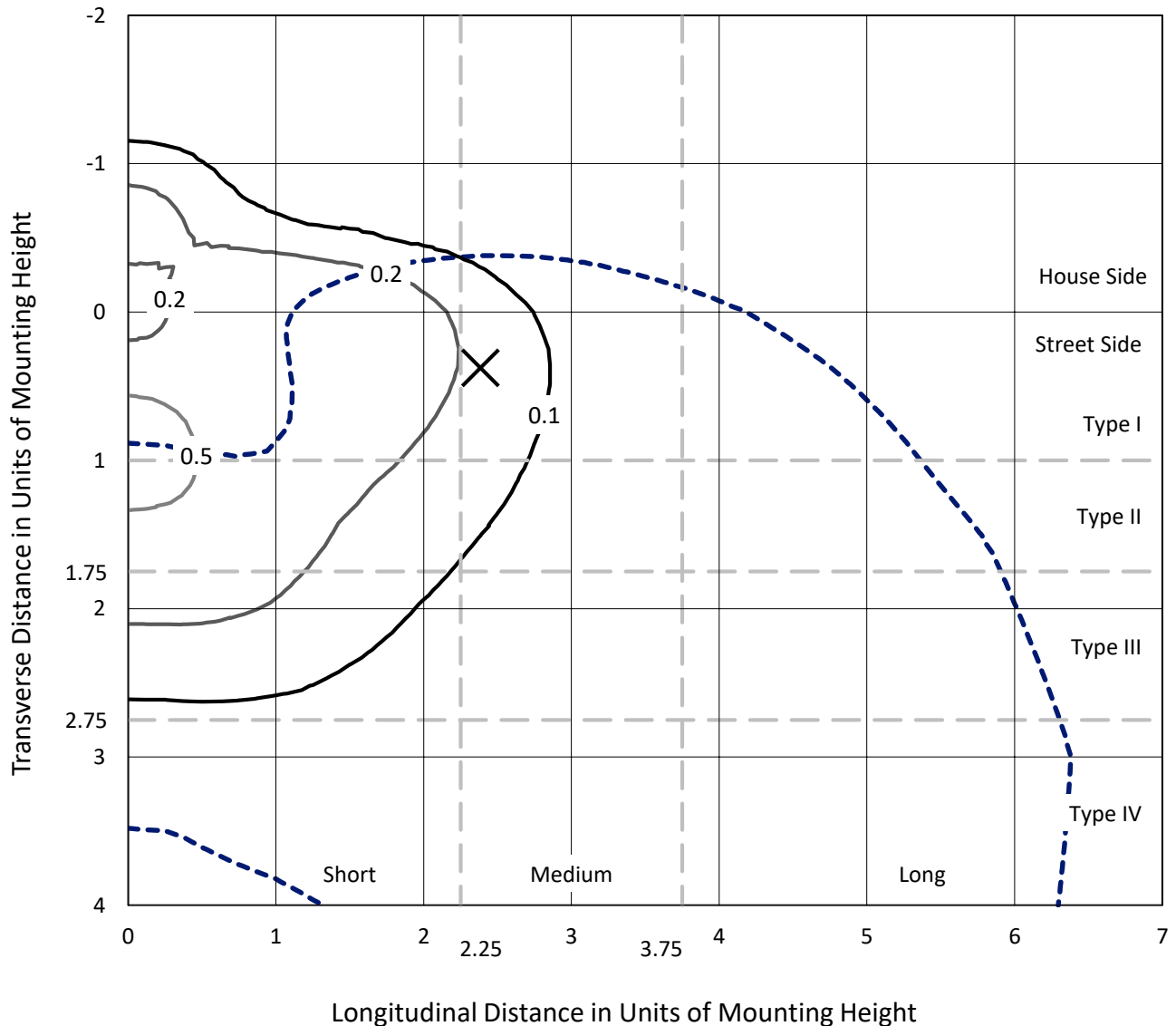
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

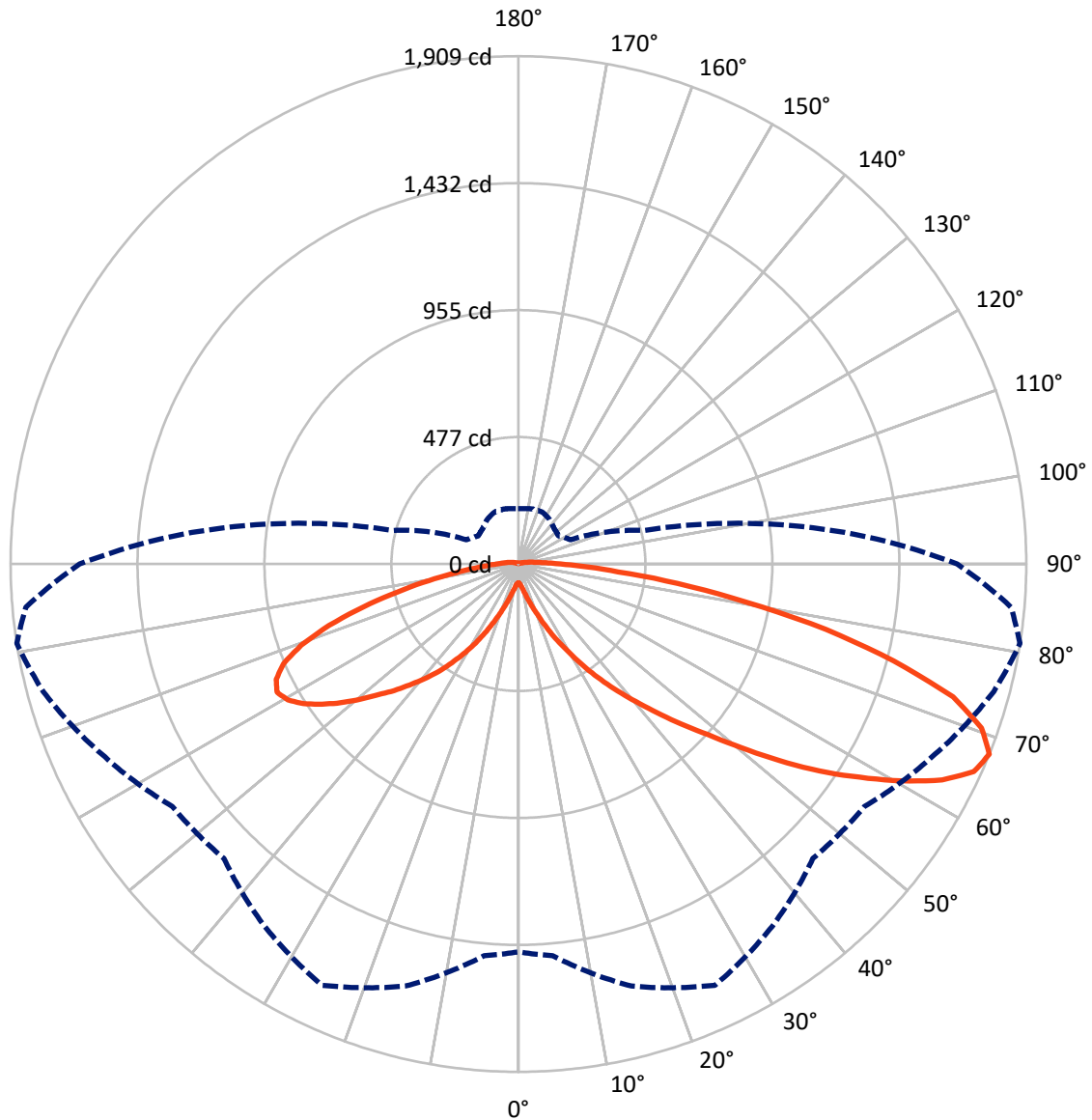


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.9	61.4	924.3
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	2940.6	77.2	3017.7
	% Fixture	74.6	2.0	76.6
Total	Lumens	3803.5	138.5	3942.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.2
10°-20°	40.7	1.0
20°-30°	121.4	3.1
30°-40°	263.5	6.7
40°-50°	462.1	11.7
50°-60°	732.3	18.6
60°-70°	988.2	25.1
70°-80°	847.9	21.5
80°-90°	339.2	8.6
90°-100°	82.6	2.1
100°-110°	29.0	0.7
110°-120°	13.3	0.3
120°-130°	7.2	0.2
130°-140°	4.0	0.1
140°-150°	1.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3803.5	96.5
0°-180°	3942.0	100.0



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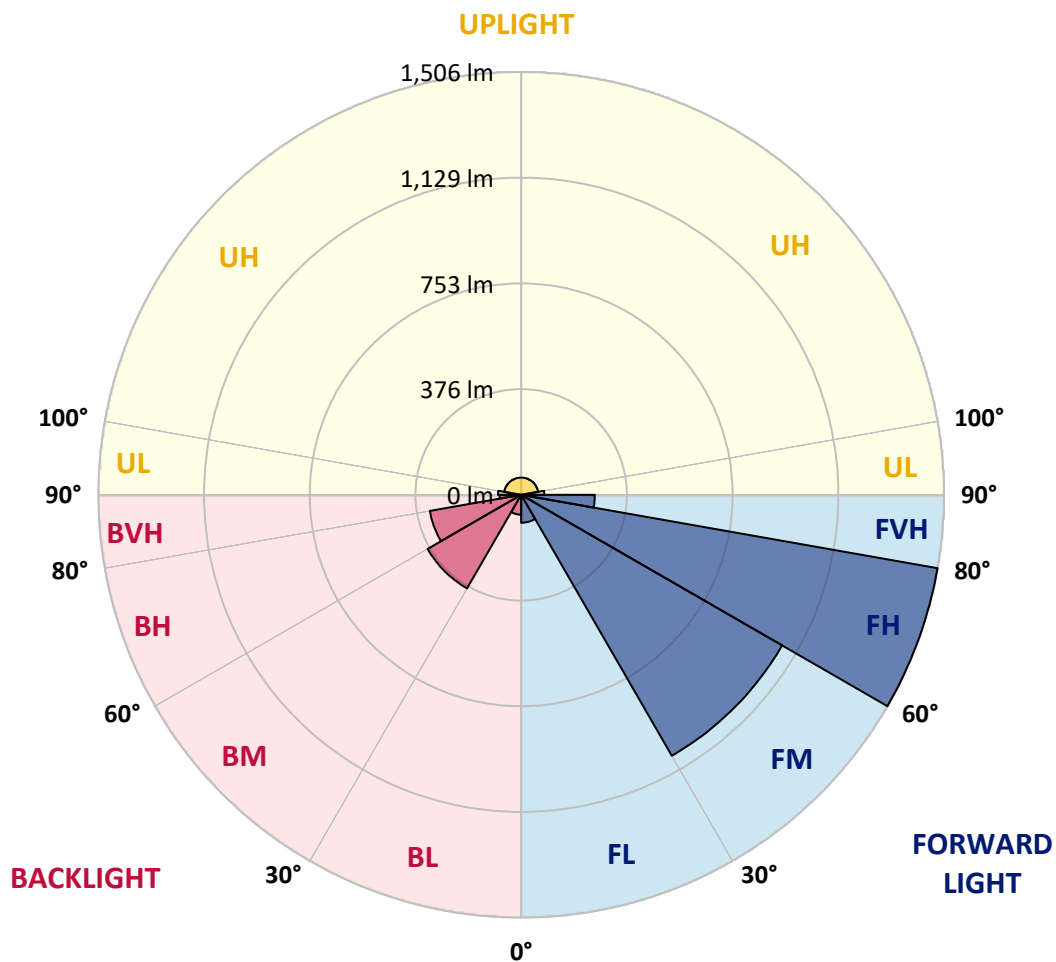
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.5	2.5			
FM	(30°-60°)	1073.0	27.2			
FH	(60°-80°)	1505.9	38.2			G1/1800
FVH	(80°-90°)	262.2	6.7			G3/500
BL	(0°-30°)	70.8	1.8	B0/110		
BM	(30°-60°)	384.9	9.8	B1/1000		
BH	(60°-80°)	330.2	8.4	B1/500		G1/500
BVH	(80°-90°)	77.0	2.0			G1/100
UL	(90°-100°)	82.6	2.1		U3/500	
UH	(100°-180°)	61.4	1.6		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°	75°	81°	85°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	77.4	76.9	76.9	77.4	77.4	77.4	76.0	74.6	73.3	72.8	72.3
5°	87.9	87.0	87.0	87.0	86.5	85.2	83.3	81.5	79.7	78.7	77.8
7.5°	101.6	101.2	100.7	99.3	98.9	96.6	93.9	91.1	88.4	87.4	86.5
10°	120.4	120.0	117.7	117.2	114.9	112.6	108.5	104.4	100.7	99.3	98.0
12.5°	144.2	144.2	141.0	137.3	134.6	130.0	126.4	121.3	118.6	116.7	114.9
15°	175.3	173.5	169.4	165.3	158.0	152.5	147.0	144.2	142.4	140.1	137.3
17.5°	209.7	207.4	203.7	195.5	185.9	178.1	173.1	170.3	169.4	168.0	164.8
20°	250.9	248.1	243.1	230.3	219.8	209.2	203.3	201.9	202.8	200.5	197.3
22.5°	299.9	298.0	287.5	271.5	256.8	242.2	236.7	237.6	239.4	242.6	240.8
25°	355.7	351.2	341.1	318.2	293.9	279.7	274.2	278.4	286.6	291.2	287.5
27.5°	420.7	418.0	397.9	368.1	336.5	317.3	313.2	325.1	339.2	342.9	342.9
30°	489.4	491.2	461.9	426.7	386.9	360.3	355.3	372.2	396.5	398.8	404.7
32.5°	576.4	573.2	542.5	484.8	437.7	403.3	400.1	423.9	454.6	466.5	466.5
35°	667.5	664.3	626.8	558.5	493.1	448.7	451.0	476.1	517.8	532.9	535.2
37.5°	772.4	761.8	721.1	636.4	553.5	501.3	497.2	535.2	584.2	605.7	605.7
40°	887.7	881.8	825.0	724.7	615.3	555.8	552.6	596.5	656.1	679.9	684.5
42.5°	999.9	992.1	939.5	810.4	686.7	613.5	613.9	662.0	730.2	763.2	769.1
45°	1118.5	1111.1	1053.5	915.7	764.1	684.9	679.4	739.4	820.9	857.5	864.4
47.5°	1223.8	1218.7	1168.8	1020.5	860.3	761.4	754.0	823.2	917.5	958.2	978.8
50°	1338.2	1331.8	1285.1	1132.2	955.9	842.9	842.4	916.6	1034.7	1084.1	1101.1
52.5°	1431.2	1423.8	1391.3	1244.4	1050.7	938.1	930.3	1021.4	1156.0	1227.0	1235.2
55°	1516.8	1514.0	1503.0	1364.8	1166.1	1031.5	1036.5	1144.6	1294.3	1374.4	1386.8
57.5°	1578.6	1582.2	1587.3	1485.6	1279.2	1135.9	1145.0	1268.2	1438.0	1512.7	1529.6
60°	1620.7	1633.5	1666.9	1590.9	1394.5	1249.9	1265.4	1390.4	1576.3	1656.0	1669.7
62.5°	1623.9	1637.6	1715.5	1689.4	1505.3	1366.6	1384.5	1516.3	1699.9	1788.3	1789.6
65°	1563.0	1581.8	1706.3	1742.5	1602.8	1478.3	1494.3	1628.5	1803.4	1881.7	1853.3
67.5°	1458.2	1477.9	1642.7	1747.1	1663.3	1565.3	1588.2	1715.5	1850.1	1909.1	1858.8
70°	1306.2	1325.4	1498.9	1677.9	1674.3	1616.6	1646.8	1751.2	1841.4	1847.3	1776.4
72.5°	1106.6	1104.7	1292.0	1526.9	1613.4	1612.5	1660.5	1724.2	1742.0	1708.6	1603.3
75°	847.4	871.2	1042.0	1308.5	1474.7	1539.7	1588.2	1612.5	1561.2	1457.7	1343.7
77.5°	607.1	626.8	782.0	1031.5	1268.6	1388.6	1442.2	1430.7	1303.4	1182.1	1051.2
80°	402.0	413.4	543.0	770.1	1022.8	1162.0	1226.5	1182.6	1021.0	865.7	752.7
82.5°	241.3	260.0	341.5	541.2	758.6	918.4	957.8	884.5	728.9	602.5	519.6
85°	146.0	150.2	212.4	346.1	529.7	660.6	698.2	619.4	479.3	376.3	312.2
87.5°	82.0	89.3	131.4	225.3	356.2	458.7	472.0	407.9	300.8	233.5	195.5
90°	48.1	53.1	80.6	139.6	227.1	296.7	300.3	246.8	178.1	140.6	125.0
92.5°	30.7	34.3	53.6	89.7	146.0	192.7	187.7	152.5	114.0	93.9	81.0
95°	22.0	23.8	37.5	61.8	98.0	121.3	119.5	95.7	76.5	65.5	59.5
97.5°	16.5	18.3	29.3	45.3	65.9	81.5	79.7	63.6	53.1	48.1	45.8
100°	13.7	14.7	23.8	35.7	49.0	58.6	57.7	47.2	39.8	36.2	35.3
102.5°	11.9	12.8	19.7	28.8	38.9	45.3	43.5	36.6	30.2	27.0	26.1
105°	10.5	11.0	16.9	24.7	32.0	35.7	35.3	29.3	23.3	20.1	19.7
107.5°	9.6	10.1	14.7	21.1	27.0	30.2	29.3	23.8	17.9	15.6	15.1
110°	8.7	9.2	12.8	18.3	22.9	25.6	24.3	19.7	14.2	11.9	11.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	8.2	8.2	11.4	15.6	19.7	22.0	20.6	16.0	11.0	9.6	10.1
115°	7.8	7.8	10.1	13.7	17.4	19.2	17.4	13.3	9.2	8.2	8.2
117.5°	7.3	7.3	9.2	12.4	15.6	16.9	15.1	11.4	7.8	6.9	7.3
120°	6.9	7.3	8.7	11.0	13.7	14.7	13.3	9.6	6.4	6.4	6.9
122.5°	6.9	6.9	8.2	10.1	12.4	12.8	11.4	8.2	6.0	6.0	6.0
125°	6.9	6.9	7.8	9.2	11.0	11.4	9.6	6.9	5.5	5.5	5.5
127.5°	6.9	6.9	7.3	8.7	9.6	10.1	8.7	6.4	5.0	5.0	5.5
130°	6.4	6.9	6.9	7.8	8.7	8.7	7.3	5.5	4.6	4.6	5.0
132.5°	6.4	6.4	6.9	7.3	7.8	7.8	6.4	5.0	4.1	4.6	4.6
135°	6.4	6.4	6.4	6.9	7.3	6.9	5.5	4.1	3.7	4.1	4.1
137.5°	6.0	6.0	6.0	6.4	6.4	6.0	5.0	3.7	3.7	3.7	3.7
140°	5.5	5.5	5.5	5.5	6.0	5.5	4.1	3.2	3.2	3.2	3.2
142.5°	5.0	5.0	5.0	5.0	5.0	4.6	3.7	2.7	2.7	2.7	2.7
145°	4.6	4.6	4.6	4.6	4.1	3.7	2.7	2.3	2.3	2.7	2.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.2	2.3	1.8	2.3	2.3	2.3
150°	3.2	3.2	3.2	3.2	2.7	2.7	1.8	1.8	1.8	2.3	2.3
152.5°	2.3	2.3	2.3	2.7	2.3	1.8	1.4	1.4	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.8	1.4	0.9	1.4	1.8	1.8	1.8
157.5°	0.9	1.4	1.4	1.4	1.4	1.4	0.9	1.4	1.4	1.4	1.4
160°	0.5	0.5	0.9	0.9	1.4	1.4	0.9	0.9	1.4	1.4	1.4
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°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	72.3	71.9	71.4	71.0	70.5	70.5	70.0	69.6	69.1	68.7	68.7
5°	77.4	76.5	75.1	74.2	73.3	73.3	72.3	71.9	71.0	70.5	70.5
7.5°	85.2	84.7	82.0	80.6	79.2	78.7	77.8	76.9	76.0	76.0	76.0
10°	96.6	95.2	92.9	89.3	87.9	87.0	85.6	84.7	84.7	85.2	85.2
12.5°	114.0	110.3	107.1	102.1	99.3	97.5	96.6	97.1	99.3	100.3	99.3
15°	134.1	133.2	125.4	118.1	112.6	109.0	111.3	114.0	117.2	118.1	119.5
17.5°	162.1	158.9	148.3	137.8	127.7	125.9	128.6	133.2	136.9	139.6	141.9
20°	195.5	190.0	177.2	158.9	147.4	144.7	146.5	152.9	159.8	165.3	165.7
22.5°	237.6	229.4	206.5	183.6	166.6	162.1	164.4	174.4	184.5	191.4	190.9
25°	283.4	273.3	242.6	209.7	186.3	178.1	182.2	195.5	209.7	217.9	218.8
27.5°	334.7	324.6	282.0	234.9	204.2	191.8	198.7	213.8	233.0	243.1	244.9
30°	395.1	381.4	321.4	261.9	220.7	204.6	211.1	230.7	251.8	266.0	267.8
32.5°	457.8	436.3	360.8	283.9	232.1	212.9	220.2	243.1	267.4	282.9	285.7
35°	522.8	496.3	400.6	302.6	240.4	217.9	225.3	250.9	276.5	293.5	295.8
37.5°	596.1	560.8	436.8	316.8	244.9	219.3	226.6	252.3	278.4	294.8	297.1
40°	669.8	622.6	467.0	325.5	245.4	217.9	223.9	248.6	273.3	287.5	289.8
42.5°	749.0	687.7	497.2	327.8	243.1	214.3	219.3	241.3	262.3	273.3	274.7
45°	837.8	762.7	522.8	326.0	236.7	208.8	212.4	231.2	247.7	252.7	255.0
47.5°	931.7	836.9	542.5	320.5	230.3	202.8	205.1	220.7	231.2	231.7	232.1
50°	1046.1	927.1	566.8	312.7	221.6	197.3	198.7	211.1	216.1	213.8	212.9
52.5°	1171.6	1023.7	582.4	300.3	213.8	192.3	193.7	203.3	205.1	200.1	200.5
55°	1308.0	1113.9	595.6	288.4	205.6	189.1	191.8	199.6	199.6	193.2	192.7
57.5°	1435.3	1205.9	601.6	273.3	198.7	186.8	191.4	199.2	198.2	192.3	191.8
60°	1558.4	1281.0	594.3	258.7	194.1	185.9	194.1	202.4	201.4	196.4	195.9
62.5°	1643.6	1328.2	575.9	244.0	190.0	187.3	197.3	206.9	206.9	201.4	201.4
65°	1680.2	1322.7	538.4	229.4	186.8	188.2	201.9	212.0	211.1	206.5	205.6
67.5°	1649.5	1272.8	488.0	215.2	184.0	189.1	204.2	214.7	213.8	208.8	207.9
70°	1551.1	1167.9	427.2	202.4	180.4	187.7	205.1	214.3	212.9	208.3	206.5
72.5°	1355.2	1004.9	363.5	190.0	174.9	184.5	202.4	210.6	209.2	205.6	203.3
75°	1116.2	810.4	300.3	176.3	168.0	178.6	196.4	203.7	201.9	198.7	196.4
77.5°	853.4	612.1	248.1	163.4	159.8	170.8	188.2	193.7	191.8	189.1	187.7
80°	603.9	435.9	199.6	149.3	147.9	158.9	173.5	179.5	178.6	175.8	173.5
82.5°	397.4	289.8	159.3	133.2	134.1	145.6	156.6	159.8	159.3	157.0	154.3
85°	244.9	190.9	125.4	114.9	119.0	128.2	137.3	137.8	136.4	136.0	131.9
87.5°	156.1	130.5	98.4	97.5	103.5	111.3	115.4	113.5	114.5	114.5	111.3
90°	101.6	91.6	78.7	81.5	87.9	93.9	95.7	90.6	93.4	92.0	90.6
92.5°	73.7	68.2	64.1	67.8	74.2	79.7	78.7	73.3	74.6	74.6	74.2
95°	55.9	53.1	53.6	57.2	62.3	65.9	64.1	59.5	60.0	59.1	57.7
97.5°	44.0	43.5	45.3	48.1	52.7	54.9	53.1	49.0	48.5	47.2	46.7
100°	34.8	35.3	38.0	41.2	44.0	45.8	44.4	40.3	38.5	36.2	35.7
102.5°	27.0	27.9	31.6	34.3	37.1	38.5	37.1	33.9	30.7	28.4	27.9
105°	21.1	22.0	26.1	28.8	31.1	32.0	31.1	27.5	24.3	21.5	21.5
107.5°	16.5	17.4	21.5	24.7	26.1	27.0	25.6	22.9	19.2	16.9	16.9
110°	13.3	14.2	17.9	20.6	22.0	22.9	21.5	18.3	15.6	13.7	13.7



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	11.9	14.7	17.4	18.8	19.2	17.9	15.6	12.4	11.4	11.4
115°	9.2	10.1	12.4	14.7	16.0	16.0	15.1	12.8	10.1	9.6	9.6
117.5°	7.8	8.7	10.5	12.8	13.7	13.7	12.8	10.5	8.7	8.2	8.2
120°	7.3	7.8	9.2	11.0	11.9	11.9	11.0	9.2	7.3	7.3	7.3
122.5°	6.4	6.9	8.2	9.6	10.5	10.5	9.6	7.8	6.4	6.9	6.9
125°	6.0	6.4	7.3	8.2	9.2	9.2	8.2	6.9	6.0	6.0	6.0
127.5°	5.5	6.0	6.4	7.3	7.8	7.8	7.3	6.0	5.5	5.5	5.5
130°	5.0	5.5	6.0	6.4	6.9	6.9	6.0	5.0	5.0	5.0	5.0
132.5°	5.0	5.0	5.0	5.5	6.0	6.0	5.5	4.6	4.6	4.6	4.6
135°	4.6	4.6	4.6	4.6	5.0	5.0	4.6	4.1	4.1	4.1	4.1
137.5°	4.1	4.1	4.1	4.1	4.6	4.6	4.1	3.7	3.7	3.7	3.7
140°	3.7	3.7	3.7	3.2	3.7	3.7	3.2	3.2	3.2	3.2	3.2
142.5°	2.7	3.2	2.7	2.7	2.7	2.7	2.7	2.3	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.3	2.3	2.3	2.3	1.8	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	1.8	1.4	1.8	1.4	1.8	1.8	1.8	1.8
150°	2.3	2.3	1.8	1.8	1.4	0.9	0.9	1.4	1.4	1.4	1.4
152.5°	1.8	1.8	1.8	1.4	0.9	0.5	0.5	0.9	0.9	0.9	0.9
155°	1.8	1.8	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	1.4	1.4	1.4	0.9	0.9	0.5	0.0	0.5	0.0	0.0	0.0
160°	1.4	1.4	1.4	0.9	0.5	0.5	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)