

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: P415272

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3620.9 lumens
Efficiency: N/A
Efficacy: 90.5 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 - G2

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

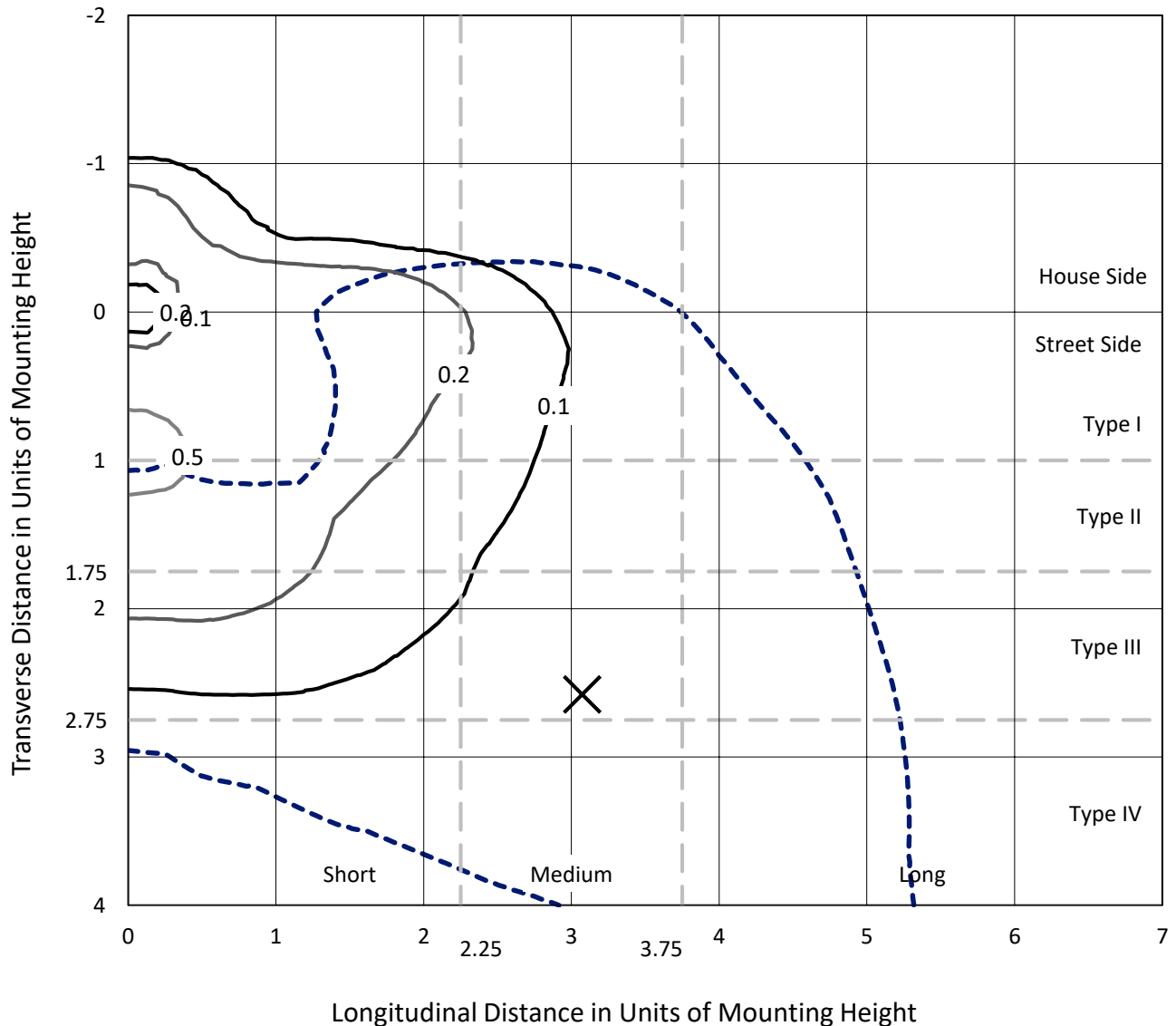


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

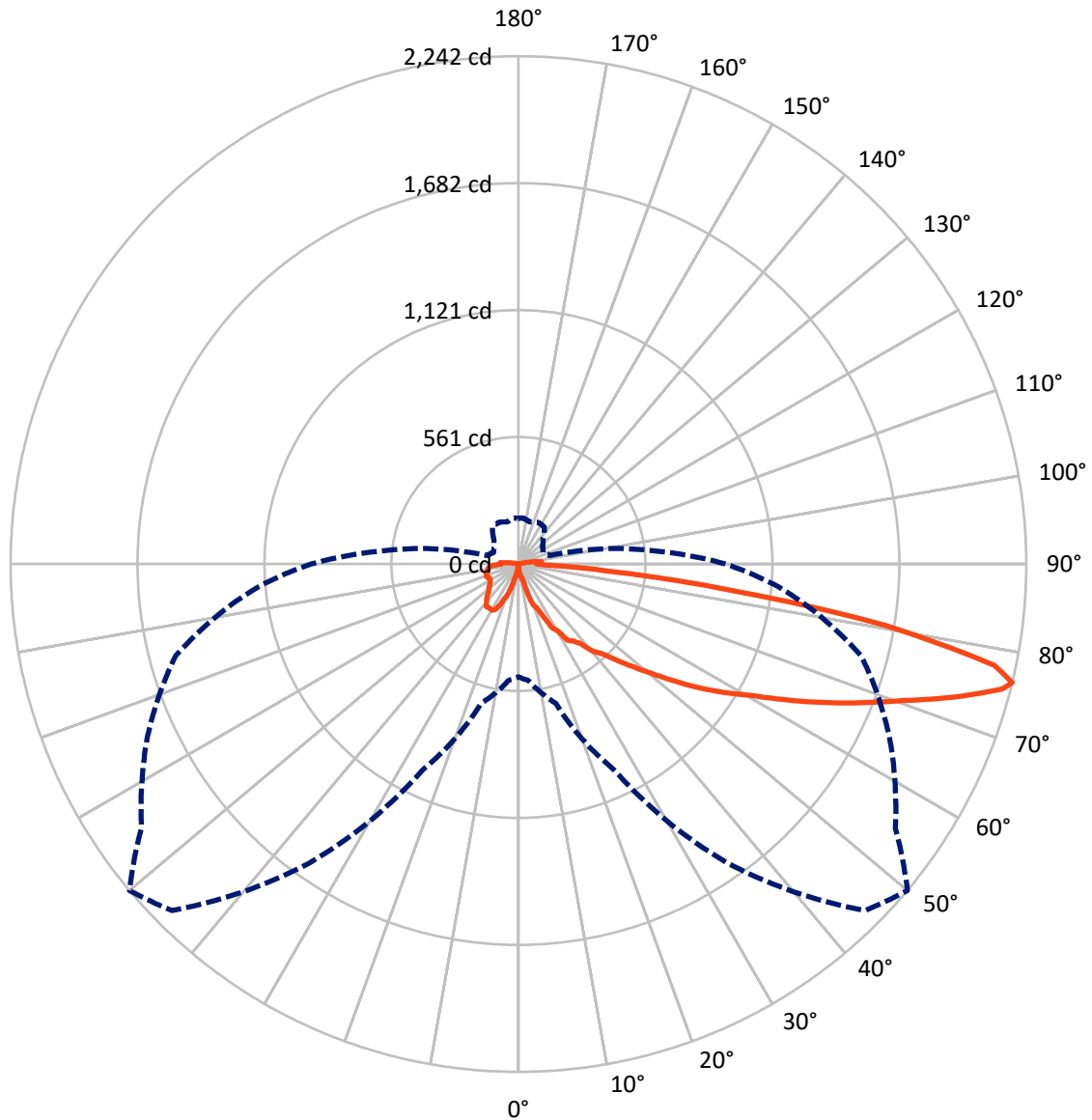


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	790.3	44.5	834.8
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	2750.4	35.7	2786.2
	% Fixture	76.0	1.0	76.9
Total	Lumens	3540.7	80.2	3620.9
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	30.2	0.8
20°-30°	118.1	3.3
30°-40°	254.3	7.0
40°-50°	414.2	11.4
50°-60°	666.9	18.4
60°-70°	971.4	26.8
70°-80°	866.6	23.9
80°-90°	217.1	6.0
90°-100°	63.6	1.8
100°-110°	9.4	0.3
110°-120°	2.7	0.1
120°-130°	1.8	0.1
130°-140°	1.2	0.0
140°-150°	1.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3540.7	97.8
0°-180°	3620.9	100.0



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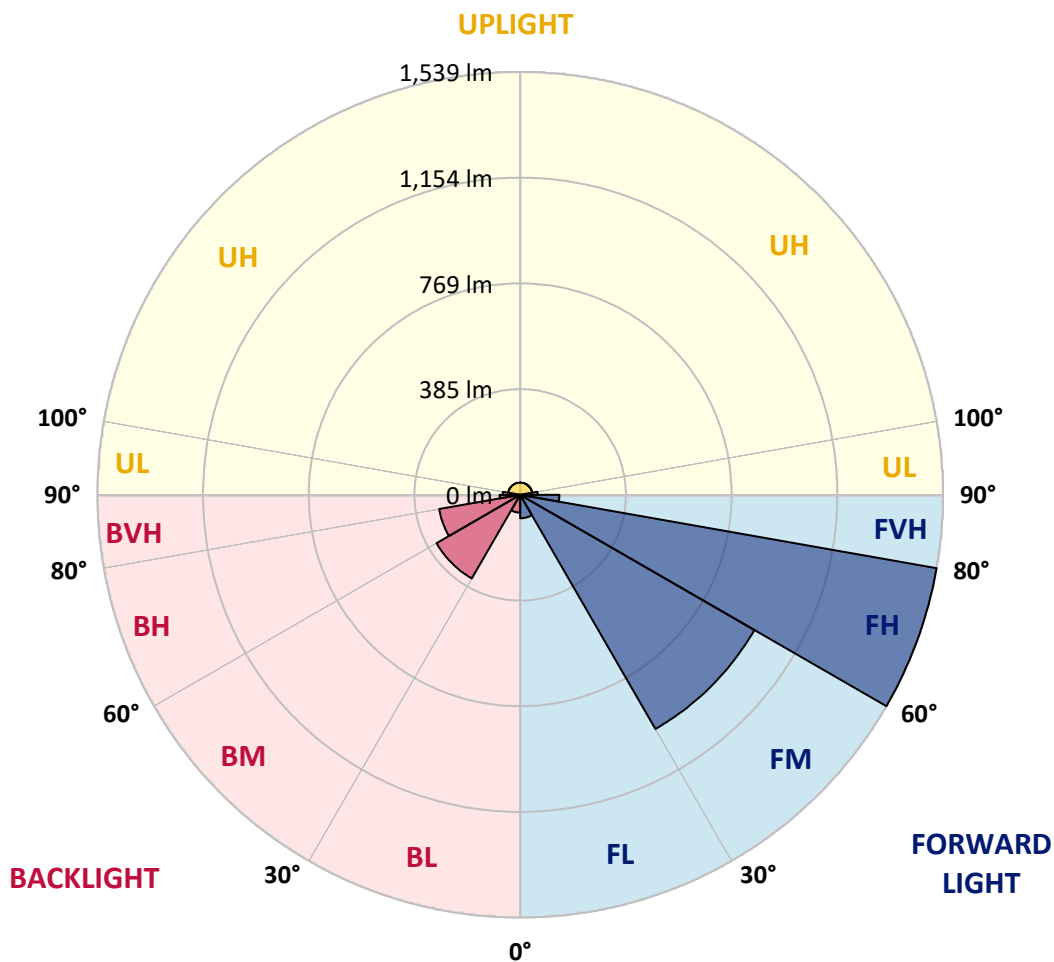
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.4	2.4			
FM	(30°-60°)	984.0	27.2			
FH	(60°-80°)	1538.6	42.5			G1/1800
FVH	(80°-90°)	142.5	3.9			G2/225
BL	(0°-30°)	65.0	1.8	B0/110		
BM	(30°-60°)	351.4	9.7	B1/1000		
BH	(60°-80°)	299.4	8.3	B1/500		G1/500
BVH	(80°-90°)	74.5	2.1			G1/100
UL	(90°-100°)	63.6	1.8		U3/500	
UH	(100°-180°)	44.5	1.2		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	5.2	4.0	3.6	3.2	3.2	2.8	2.8	2.4	2.4	2.4	2.4
5°	50.7	49.1	45.5	42.3	14.5	12.1	10.1	7.6	2.8	2.8	2.4
7.5°	60.8	59.6	57.1	55.5	53.1	49.5	45.5	21.3	8.5	3.2	2.8
10°	79.7	73.6	68.8	64.8	62.0	55.9	54.3	51.1	14.1	6.0	4.4
12.5°	142.5	139.2	134.4	91.3	75.3	64.4	62.0	59.2	45.9	21.7	39.0
15°	156.9	153.7	148.9	142.9	134.0	79.3	74.4	92.6	118.3	88.9	93.0
17.5°	184.3	182.7	169.8	155.3	146.5	155.7	156.1	141.7	134.4	117.5	107.0
20°	255.5	253.9	246.7	209.7	165.8	196.8	196.0	188.7	150.9	173.4	186.7
22.5°	266.0	264.0	257.6	247.5	262.4	215.7	210.5	210.5	222.5	235.8	219.7
25°	350.1	348.1	299.0	260.4	281.3	256.7	257.6	284.9	246.3	258.8	247.1
27.5°	365.8	363.0	359.0	333.2	296.2	325.2	320.7	305.8	320.3	357.4	344.9
30°	427.0	396.0	382.7	367.8	349.7	344.5	342.5	369.4	379.9	377.5	381.1
32.5°	495.4	494.2	481.3	392.4	395.6	370.2	402.8	414.9	398.8	458.4	496.6
35°	595.2	554.1	529.2	470.0	411.7	428.2	416.9	429.4	484.5	490.2	526.8
37.5°	748.1	745.7	688.5	518.7	474.9	438.2	446.3	480.9	517.1	525.2	574.7
40°	874.5	862.8	826.6	646.7	516.3	474.1	506.2	498.6	536.8	565.0	612.5
42.5°	968.2	979.1	958.6	748.5	599.6	530.8	540.5	530.4	565.8	618.5	666.8
45°	1058.0	1053.5	1067.6	851.9	679.7	603.6	602.8	578.3	618.9	678.1	741.7
47.5°	1131.2	1124.8	1139.3	964.2	771.8	669.6	675.3	643.5	682.5	752.5	852.7
50°	1212.9	1200.4	1210.1	1058.4	892.2	765.0	757.4	732.8	754.9	850.3	988.4
52.5°	1311.1	1302.2	1284.9	1152.1	1016.1	863.2	853.5	829.8	853.9	971.9	1138.5
55°	1399.2	1389.2	1375.1	1281.3	1119.1	963.0	963.4	939.7	986.7	1104.7	1312.7
57.5°	1491.0	1486.1	1493.4	1425.8	1266.4	1067.2	1069.6	1055.2	1139.7	1241.1	1497.4
60°	1567.0	1559.8	1600.0	1573.5	1397.2	1186.3	1176.7	1192.4	1295.8	1383.5	1684.5
62.5°	1596.0	1600.8	1676.9	1709.5	1524.0	1314.7	1318.3	1339.7	1440.3	1554.2	1864.8
65°	1460.0	1476.9	1689.4	1733.2	1665.2	1457.2	1474.5	1470.9	1588.4	1679.7	2016.9
67.5°	1312.3	1331.6	1562.6	1739.3	1774.7	1624.6	1633.4	1597.6	1715.9	1758.2	2130.4
70°	1207.7	1222.6	1412.5	1705.1	1841.9	1799.2	1803.3	1736.9	1808.5	1850.3	2126.4
72.5°	1026.6	1042.3	1217.7	1575.9	1883.7	2010.9	2010.9	1864.4	1883.3	1848.3	1877.7
75°	693.8	699.8	843.5	1223.4	1775.5	2183.5	2204.5	2003.7	1857.6	1678.9	1400.4
76°	498.2	516.7	637.0	1004.4	1612.5	2163.8	2242.3	2031.8	1807.3	1566.6	1152.5
77.5°	264.0	280.9	375.9	643.1	1307.9	2012.1	2147.7	1945.3	1647.9	1344.9	852.3
80°	103.4	102.2	129.2	229.0	662.4	1530.4	1643.5	1433.8	1114.7	779.1	404.8
82.5°	56.7	62.4	82.1	121.1	287.3	844.3	928.4	756.6	569.0	359.4	236.6
85°	36.2	37.0	48.3	74.9	177.5	355.7	390.8	324.0	266.4	220.5	168.2
87.5°	21.7	22.5	25.4	34.6	87.7	104.6	114.3	134.4	152.9	151.7	145.3
90°	14.9	14.9	12.5	13.7	41.0	83.7	80.5	85.7	78.1	99.0	140.0
92.5°	14.5	14.5	12.1	12.5	35.0	93.0	93.4	93.0	82.5	101.0	147.3
95°	12.9	13.3	10.5	10.9	25.8	86.9	102.2	99.0	83.3	101.8	146.9
97.5°	10.9	11.3	8.0	9.3	17.3	58.8	76.1	77.7	51.9	51.5	66.4
100°	8.0	8.5	5.6	7.2	10.5	27.0	40.6	38.2	25.8	14.1	9.3
102.5°	7.6	8.0	4.8	5.6	6.4	9.3	14.9	11.3	9.7	8.0	8.0
105°	8.5	8.5	4.4	4.0	4.0	4.4	3.6	5.2	5.6	6.0	8.5
107.5°	7.2	7.6	3.2	3.2	2.8	2.8	2.4	2.4	3.2	5.2	9.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	5.6	5.6	2.8	2.8	2.0	2.4	2.4	2.0	2.8	4.0	7.2
112.5°	3.2	3.6	1.6	2.4	1.6	2.0	2.0	1.6	2.4	2.8	4.0
115°	3.2	3.2	1.6	1.2	1.2	1.2	1.6	1.6	2.0	2.8	4.4
117.5°	3.2	3.2	1.6	1.2	0.8	1.2	1.2	1.2	2.0	2.8	4.4
120°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	1.2	2.0	2.8	4.4
122.5°	3.6	3.2	1.6	0.8	0.8	0.8	0.8	1.2	2.0	2.8	4.0
125°	3.6	3.2	1.6	0.8	0.8	0.8	0.8	1.2	1.6	2.4	3.6
127.5°	3.6	3.2	1.6	0.8	0.8	0.8	0.8	1.2	1.6	2.4	3.2
130°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	1.2	1.6	2.4	3.2
132.5°	3.2	2.8	1.6	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.8
135°	2.8	2.4	1.6	0.8	1.2	0.8	1.2	1.2	1.6	2.0	2.4
137.5°	2.4	2.4	1.6	1.2	1.2	1.2	1.2	1.2	1.6	2.0	2.0
140°	2.8	2.4	1.6	1.6	1.2	1.2	1.2	1.2	1.6	2.0	2.0
142.5°	3.2	2.8	2.0	1.6	1.6	1.2	1.2	1.6	1.6	2.0	2.0
145°	3.2	3.2	2.4	2.0	1.2	1.2	1.2	1.6	2.0	2.0	2.4
147.5°	3.6	3.2	2.4	2.0	1.2	0.8	1.2	1.2	2.0	2.4	2.4
150°	3.2	3.2	2.0	1.6	0.8	0.4	0.8	1.2	2.0	2.4	2.4
152.5°	2.4	2.4	1.6	0.8	0.4	0.4	0.8	1.2	1.6	2.0	2.4
155°	1.6	1.6	0.8	0.4	0.0	0.4	0.4	0.8	1.2	1.6	2.0
157.5°	0.8	0.8	0.4	0.0	0.0	0.4	0.4	0.8	1.2	1.6	1.6
160°	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.8	0.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.4	2.0	2.0	1.6	1.6	1.2	1.2	1.2	1.2	1.6	2.0
5°	2.4	2.4	2.0	2.0	2.0	1.6	1.6	2.4	2.8	3.2	3.2
7.5°	2.4	2.4	2.4	2.0	2.4	3.2	12.9	37.0	40.6	43.1	43.9
10°	4.4	4.0	3.6	3.2	6.0	41.0	50.7	55.1	57.1	59.2	59.2
12.5°	42.3	42.3	17.3	9.7	41.4	55.1	57.9	61.2	64.0	66.8	67.2
15°	91.8	90.5	87.3	80.1	69.2	62.4	65.2	96.6	113.5	121.1	119.9
17.5°	105.0	103.4	101.4	115.5	120.3	96.2	112.3	124.8	128.4	132.4	132.0
20°	194.8	192.8	150.1	134.4	131.6	161.4	128.4	131.2	137.6	175.5	176.7
22.5°	218.1	215.7	200.8	204.8	153.7	175.1	169.4	177.5	198.0	204.0	204.8
25°	255.5	245.9	227.8	214.1	217.7	182.7	210.9	197.6	205.2	212.5	213.7
27.5°	353.7	348.1	315.9	239.8	222.1	228.6	219.7	214.9	256.7	272.0	273.2
30°	381.1	375.5	335.2	277.7	234.2	234.2	221.3	268.0	270.0	278.1	280.1
32.5°	517.9	506.7	426.2	282.1	243.1	223.7	250.7	264.0	296.2	320.3	324.4
35°	549.7	540.1	439.8	322.3	235.0	233.0	236.6	278.1	301.8	316.3	319.5
37.5°	582.7	571.8	438.2	307.0	249.1	222.1	230.2	260.0	294.2	331.6	336.4
40°	627.8	614.5	440.3	287.3	233.4	210.1	216.1	249.5	272.8	296.2	300.2
42.5°	688.1	661.6	443.9	269.6	215.3	204.8	206.0	225.4	236.2	245.9	245.9
45°	769.4	726.4	445.1	251.1	197.2	192.8	194.4	203.2	207.2	201.2	198.4
47.5°	878.5	806.5	460.0	234.6	181.9	179.5	180.7	183.5	181.5	165.8	163.0
50°	1005.7	900.6	468.0	220.1	170.6	170.2	168.2	168.2	161.0	143.3	142.1
52.5°	1146.1	1012.9	474.9	202.4	162.6	164.6	164.6	156.1	145.3	131.2	130.0
55°	1324.4	1142.5	484.9	187.1	155.7	155.3	159.8	149.3	138.0	126.0	126.0
57.5°	1501.4	1279.7	497.0	173.8	148.1	148.9	155.3	146.9	140.8	136.0	135.6
60°	1678.5	1421.4	477.7	161.8	145.3	143.7	154.1	156.1	148.9	151.7	154.5
62.5°	1844.7	1511.9	400.0	151.3	140.0	142.5	164.6	177.1	174.7	171.8	172.6
65°	1923.2	1530.4	324.4	142.1	136.4	150.9	181.5	200.4	192.4	183.1	182.3
67.5°	1936.5	1482.5	238.6	136.4	134.4	165.8	194.8	205.6	193.6	189.9	186.7
70°	1843.1	1361.0	190.7	130.4	136.0	168.2	203.2	204.4	195.6	199.6	195.6
72.5°	1567.4	1133.6	167.0	124.8	136.4	162.2	203.2	204.8	194.8	206.4	204.4
75°	1122.4	794.8	148.5	119.9	132.0	155.3	200.4	204.4	192.4	205.2	202.0
76°	914.3	630.6	143.3	121.1	130.0	152.9	199.6	203.2	192.8	204.4	201.2
77.5°	604.0	412.1	134.4	120.3	126.4	151.7	197.6	201.6	192.4	202.0	198.8
80°	323.1	233.4	121.1	112.3	121.9	152.5	196.0	197.6	184.7	195.6	191.6
82.5°	212.9	173.8	104.6	101.8	117.5	153.7	195.2	192.8	178.3	195.6	184.7
85°	167.0	143.7	78.5	81.7	107.0	148.5	192.8	185.9	172.6	177.5	171.0
87.5°	141.7	118.3	47.1	58.4	93.8	126.4	171.0	153.7	146.1	150.9	148.1
90°	133.2	104.6	26.6	41.0	70.4	84.1	107.8	100.2	97.0	102.6	101.4
92.5°	134.4	102.2	26.2	39.0	75.3	90.5	111.5	102.6	93.0	93.0	91.8
95°	128.4	95.4	25.8	31.0	68.0	88.1	104.6	92.2	74.9	71.2	70.0
97.5°	55.9	46.3	24.1	23.7	39.0	60.8	76.1	66.0	49.5	38.6	38.6
100°	9.3	14.9	20.9	22.9	22.9	32.2	43.1	40.6	23.7	12.5	12.9
102.5°	9.7	8.5	14.5	18.9	14.9	13.3	19.7	24.5	15.7	4.8	5.2
105°	10.1	8.9	7.2	13.3	8.5	4.4	6.0	11.3	7.2	4.8	4.8
107.5°	10.9	9.3	4.4	4.8	3.6	3.6	3.2	2.8	3.6	4.8	5.2



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.5	7.6	4.0	3.6	3.2	3.6	2.4	2.4	2.8	4.8	5.2
112.5°	4.8	4.8	3.6	2.8	2.8	3.2	2.0	2.0	2.8	5.2	5.2
115°	4.8	4.8	3.2	2.4	2.0	2.4	2.0	1.6	2.8	5.2	5.6
117.5°	4.8	4.8	3.2	2.4	2.0	1.6	1.6	1.6	2.8	5.2	5.6
120°	4.8	4.4	2.8	2.0	2.0	1.2	1.2	1.2	2.4	5.2	5.6
122.5°	4.4	4.4	2.8	2.0	1.6	1.2	1.2	1.2	2.4	4.8	5.2
125°	4.0	4.0	2.8	2.0	1.6	1.2	0.8	1.2	2.4	4.4	4.8
127.5°	3.6	3.6	2.4	2.0	1.6	1.2	0.8	1.2	2.4	4.4	4.8
130°	3.2	3.2	2.4	1.6	1.6	0.8	0.8	0.8	2.4	4.0	4.4
132.5°	2.8	2.8	2.0	1.6	1.2	0.8	0.4	0.8	2.0	3.6	3.6
135°	2.4	2.4	2.0	1.6	1.2	0.8	0.4	0.8	1.6	2.8	3.2
137.5°	2.0	2.0	1.6	1.6	1.2	0.8	0.4	0.8	1.2	2.4	2.4
140°	2.0	2.0	1.6	1.6	1.2	0.8	0.4	0.8	1.2	2.0	2.4
142.5°	2.0	2.0	1.6	1.6	1.2	0.8	0.4	0.8	1.2	2.0	2.4
145°	2.4	2.0	2.0	1.6	1.2	0.8	0.4	0.8	1.6	2.4	2.4
147.5°	2.4	2.4	2.0	1.6	1.2	0.8	0.4	0.8	1.6	2.4	2.4
150°	2.4	2.4	2.0	1.6	1.2	0.4	0.0	0.4	1.2	2.0	2.4
152.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.8	1.6	1.6
155°	2.0	1.6	1.6	1.2	0.8	0.4	0.0	0.0	0.4	0.8	0.8
157.5°	1.6	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4
160°	1.2	1.2	0.8	0.8	0.4	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)