

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: P415666

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4382 lumens
Efficiency: N/A
Efficacy: 81.1 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 - U3 - G2

Input Watts (W): 54
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

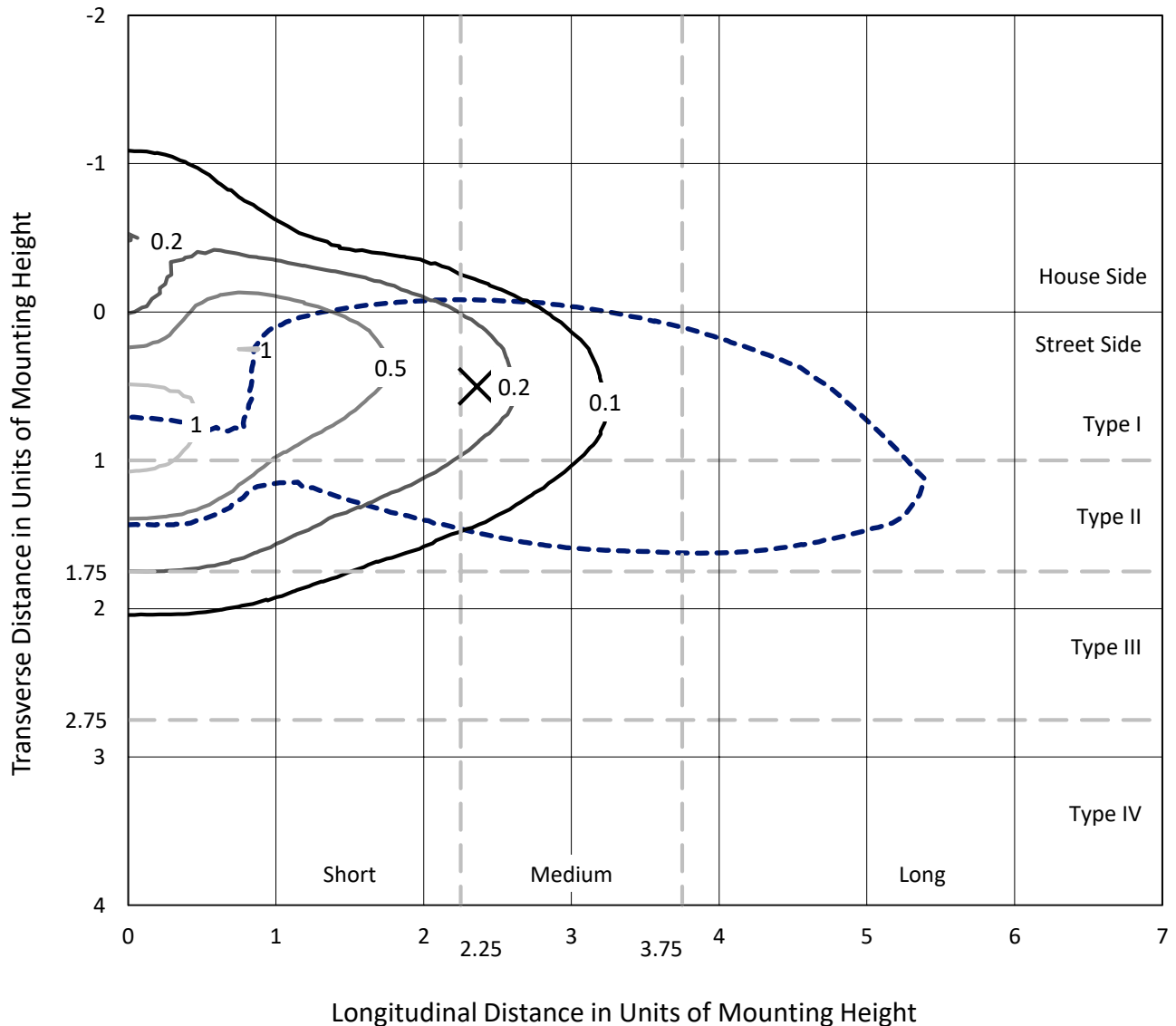


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

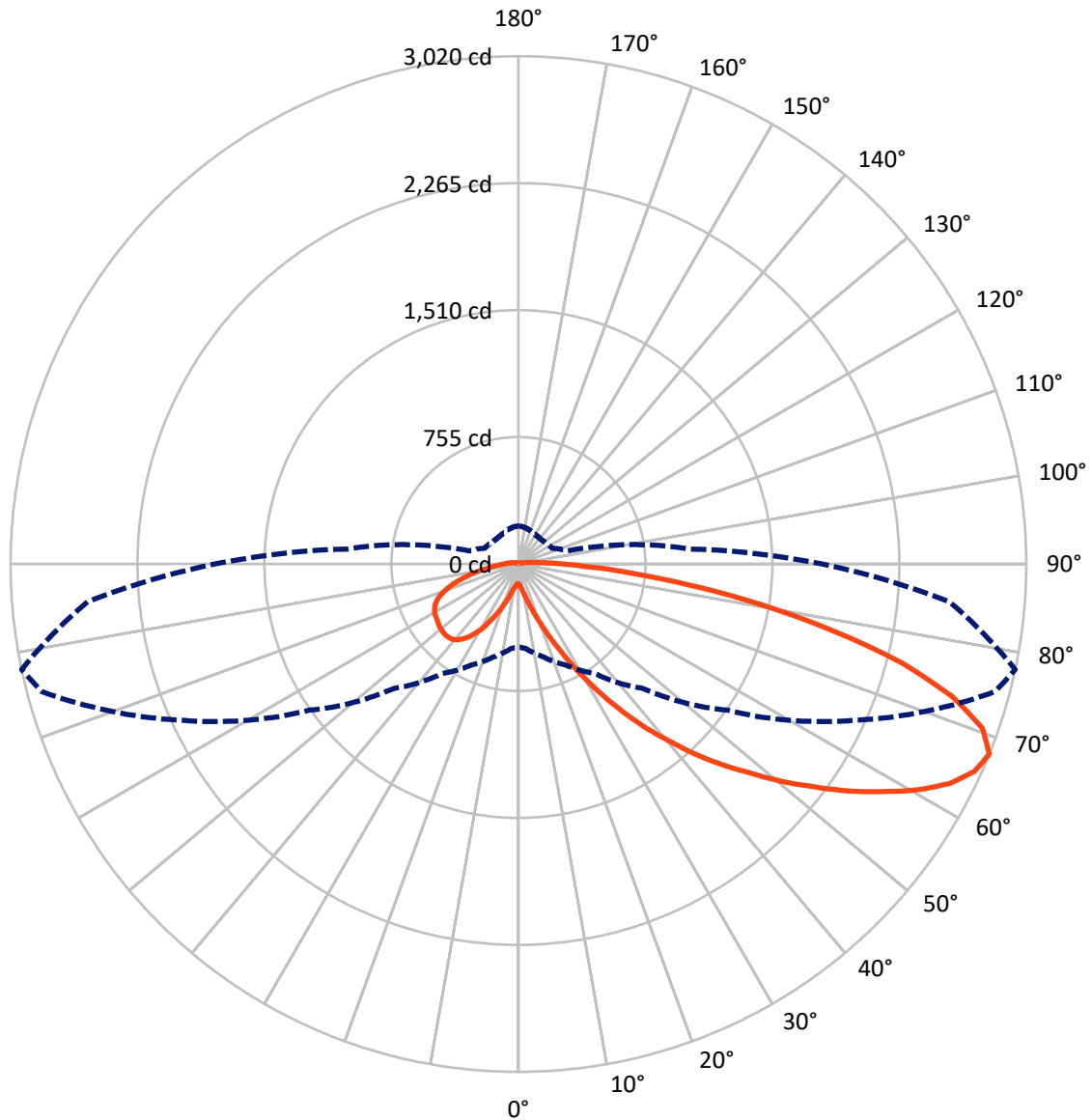


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.6	67.6	900.3
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	3413.2	68.5	3481.8
	% Fixture	77.9	1.6	79.5
Total	Lumens	4245.9	136.1	4382.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.3
10°-20°	68.0	1.6
20°-30°	207.4	4.7
30°-40°	464.1	10.6
40°-50°	764.7	17.5
50°-60°	941.1	21.5
60°-70°	912.8	20.8
70°-80°	632.1	14.4
80°-90°	242.0	5.5
90°-100°	69.4	1.6
100°-110°	30.1	0.7
110°-120°	16.2	0.4
120°-130°	10.1	0.2
130°-140°	6.2	0.1
140°-150°	3.0	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4245.9	96.9
0°-180°	4382.0	100.0

Coefficient of Utilization



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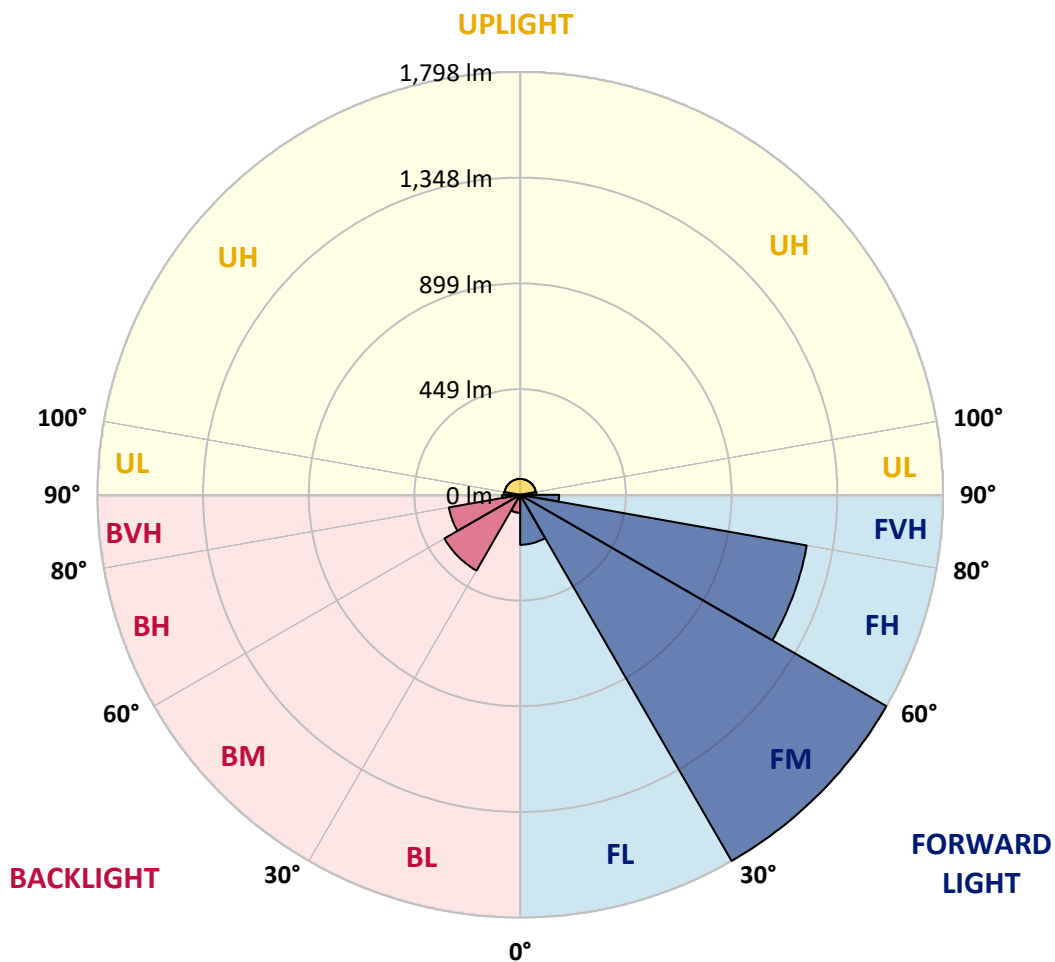
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.4	4.8			
FM	(30°-60°)	1797.9	41.0			
FH	(60°-80°)	1237.3	28.2			G1/1800
FVH	(80°-90°)	165.6	3.8			G2/225
BL	(0°-30°)	76.7	1.8	B0/110		
BM	(30°-60°)	371.9	8.5	B1/1000		
BH	(60°-80°)	307.7	7.0	B1/500		G1/500
BVH	(80°-90°)	76.4	1.7			G1/100
UL	(90°-100°)	69.4	1.6		U3/500	
UH	(100°-180°)	67.6	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
2.5°	142.2	141.2	141.2	140.6	138.6	136.5	133.4	129.7	126.6	124.6	122.5
5°	172.8	169.2	170.2	167.1	163.5	159.3	153.6	145.8	138.6	137.0	131.3
7.5°	209.7	205.0	206.6	202.9	196.2	187.4	179.6	168.2	157.3	153.6	145.3
10°	256.4	251.7	249.1	243.9	236.1	224.7	212.8	197.7	182.7	177.5	167.1
12.5°	311.9	308.3	304.6	297.4	284.9	270.4	255.3	238.7	219.0	212.3	196.2
15°	380.9	377.8	370.0	360.2	342.0	325.9	303.1	288.0	263.6	255.3	235.6
17.5°	458.3	452.0	444.3	429.7	409.0	388.7	369.5	344.1	317.6	310.9	286.5
20°	553.8	551.7	536.6	512.2	489.4	461.9	443.2	418.3	388.7	379.4	347.2
22.5°	666.9	662.7	645.1	608.3	574.0	538.7	523.7	497.7	476.4	463.5	421.4
25°	802.9	795.1	766.0	721.9	673.1	631.1	606.2	596.8	580.2	560.5	509.1
27.5°	947.7	948.2	908.2	842.8	774.8	724.5	705.3	708.9	688.7	677.8	615.0
30°	1126.7	1113.7	1061.3	980.9	889.0	824.2	812.7	830.9	825.2	803.9	729.7
32.5°	1305.8	1301.1	1236.2	1126.2	1005.8	934.7	926.4	965.8	964.3	943.0	848.5
35°	1484.3	1479.1	1398.7	1270.5	1127.8	1046.3	1039.0	1090.9	1109.6	1088.3	982.4
37.5°	1663.9	1651.9	1571.0	1415.3	1243.5	1148.5	1151.6	1217.0	1260.6	1241.4	1111.7
40°	1822.2	1820.1	1725.6	1548.7	1355.1	1252.3	1273.1	1359.2	1412.7	1386.2	1243.0
42.5°	1943.6	1934.8	1851.2	1659.2	1455.2	1349.4	1385.2	1499.4	1567.9	1549.7	1372.2
45°	1999.7	1994.5	1927.5	1742.8	1533.1	1433.4	1490.0	1629.1	1722.5	1702.8	1505.1
47.5°	1984.6	1979.9	1943.6	1783.8	1584.5	1505.6	1582.4	1755.2	1885.0	1858.5	1637.4
50°	1894.3	1899.0	1887.6	1771.8	1602.6	1551.8	1670.1	1881.3	2043.8	2031.3	1765.1
52.5°	1729.3	1742.8	1760.9	1709.5	1586.0	1572.5	1733.4	1990.8	2201.5	2201.0	1906.8
55°	1514.9	1524.3	1587.6	1578.2	1522.7	1572.0	1780.1	2098.8	2379.0	2381.6	2053.1
57.5°	1287.6	1282.9	1367.0	1415.8	1430.3	1532.0	1803.0	2194.3	2535.8	2553.9	2207.8
60°	1039.0	1056.1	1135.0	1234.7	1289.2	1453.2	1795.2	2261.7	2686.8	2726.8	2348.4
62.5°	844.4	836.6	923.3	1031.7	1142.3	1340.0	1738.6	2293.4	2830.6	2875.2	2478.2
65°	637.8	653.9	732.3	828.3	959.6	1197.3	1647.3	2276.8	2919.3	2976.4	2559.6
67.5°	492.0	504.5	571.4	661.7	795.6	1045.8	1515.4	2199.5	2932.8	3019.5	2571.1
70°	380.4	390.3	437.5	514.3	642.0	878.6	1330.2	2052.1	2859.1	2926.6	2466.2
72.5°	303.1	307.2	340.5	402.7	507.0	716.7	1128.8	1820.6	2636.5	2696.7	2251.4
75°	238.2	244.4	271.4	318.1	396.0	573.0	922.8	1538.3	2297.6	2359.8	1955.0
77.5°	189.4	195.7	215.9	248.6	307.2	441.7	720.9	1253.4	1875.6	1914.0	1557.5
80°	150.5	153.6	170.7	195.1	238.7	340.5	542.9	951.3	1420.5	1460.4	1157.3
82.5°	114.2	116.8	133.9	155.2	186.3	257.9	392.4	669.0	1000.6	1011.5	785.7
85°	82.0	86.7	100.7	118.3	142.7	192.0	281.3	454.1	638.4	655.0	497.7
87.5°	58.1	60.2	74.2	90.8	109.0	142.2	195.7	298.9	392.9	388.2	302.1
90°	39.4	41.0	53.5	66.9	83.0	106.4	136.5	187.9	241.3	233.5	189.4
92.5°	26.5	29.1	39.4	50.9	64.9	82.0	97.1	123.0	149.5	142.2	120.4
95°	19.7	20.8	30.1	40.5	51.9	62.8	72.1	84.1	95.5	93.4	83.0
97.5°	15.6	16.6	24.4	33.2	42.0	50.9	56.1	60.2	66.4	65.9	59.7
100°	13.5	14.0	20.8	28.5	36.3	42.6	45.7	46.7	48.8	47.7	45.7
102.5°	11.4	12.5	18.2	24.9	31.7	36.3	38.4	37.4	36.8	35.8	33.7
105°	10.4	10.9	16.1	22.3	28.0	31.7	32.2	30.6	28.0	27.5	26.5
107.5°	9.9	10.4	14.5	20.2	24.9	28.0	27.5	25.4	22.3	21.3	20.8
110°	9.3	9.9	13.5	18.2	22.8	24.9	24.4	21.3	17.6	16.6	17.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	9.3	9.3	12.5	16.6	20.8	22.3	21.3	18.2	14.5	14.0	14.5
115°	8.8	9.3	11.9	15.6	18.7	20.2	18.7	15.6	12.5	11.9	12.5
117.5°	8.8	9.3	11.4	14.5	17.6	18.2	16.6	13.5	10.4	10.4	11.4
120°	8.8	9.3	10.9	13.5	16.1	16.6	15.1	11.9	9.3	9.3	10.4
122.5°	9.3	9.3	10.4	13.0	15.1	15.6	13.5	10.4	8.8	8.8	9.9
125°	9.3	9.3	10.4	11.9	14.0	14.0	12.5	9.3	7.8	7.8	9.3
127.5°	9.3	9.3	10.4	11.4	13.0	13.0	11.4	8.8	7.3	7.3	8.8
130°	9.3	9.9	9.9	10.9	11.9	11.9	10.4	7.8	7.3	7.3	8.3
132.5°	9.9	9.9	9.9	10.4	11.4	10.9	8.8	7.3	6.7	6.7	7.8
135°	9.3	9.3	9.3	9.9	10.4	9.9	7.8	6.2	6.2	6.7	7.3
137.5°	9.3	9.3	9.3	8.8	9.3	8.8	7.3	5.7	5.7	6.2	6.7
140°	8.3	8.8	8.3	8.3	8.3	7.8	6.2	4.7	5.2	5.7	5.7
142.5°	7.8	7.8	7.8	7.3	7.3	6.7	5.2	4.2	4.7	4.7	5.2
145°	7.3	7.3	6.7	6.2	6.2	5.2	4.2	3.6	4.2	4.2	4.7
147.5°	6.2	6.2	6.2	5.2	4.7	4.2	2.6	2.6	3.1	3.6	3.6
150°	5.2	5.2	5.2	4.7	3.6	3.1	2.1	2.6	2.6	2.6	3.1
152.5°	4.2	4.2	4.2	3.6	3.1	2.1	1.6	2.1	2.1	2.1	2.6
155°	2.6	2.6	2.6	2.6	2.1	1.0	1.6	1.6	2.1	2.1	2.1
157.5°	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.6	1.6	1.6	1.6
160°	0.5	0.5	1.0	1.0	1.6	1.0	1.0	1.0	1.0	1.0	1.0
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°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
2.5°	120.9	119.4	116.8	114.2	111.6	109.0	106.9	106.4	104.8	104.8	104.3
5°	128.2	125.6	118.8	113.7	107.9	103.3	99.6	98.1	96.5	95.5	95.5
7.5°	141.2	135.5	125.6	116.8	109.0	102.2	97.6	95.0	92.9	91.9	91.9
10°	158.8	151.5	136.5	123.5	112.1	103.8	98.6	95.5	93.9	92.9	92.4
12.5°	184.8	174.4	152.6	133.9	119.4	109.0	102.2	100.2	100.7	100.7	100.7
15°	220.1	205.0	175.4	150.0	129.2	115.7	111.1	111.1	112.6	113.1	112.1
17.5°	265.7	245.5	204.0	166.1	141.7	127.7	122.5	122.5	125.1	126.6	126.6
20°	321.8	292.7	234.1	187.4	156.2	141.2	134.9	135.5	138.6	140.6	140.6
22.5°	386.1	351.9	272.5	209.2	172.3	153.1	146.4	146.9	152.1	154.7	155.7
25°	469.7	416.7	310.9	231.5	187.4	164.5	157.8	158.3	165.0	168.7	168.7
27.5°	557.9	488.9	349.8	253.3	200.3	174.9	168.2	169.7	177.0	180.1	181.1
30°	651.8	565.7	388.7	271.9	210.7	182.7	175.9	179.1	185.8	190.5	191.0
32.5°	756.2	640.9	419.9	287.0	219.5	189.4	182.7	187.4	193.1	198.3	198.8
35°	865.2	715.7	447.4	297.4	225.2	195.1	187.9	192.5	198.3	202.9	202.4
37.5°	962.7	776.9	465.5	301.5	228.4	198.3	191.5	196.2	201.4	205.0	205.0
40°	1058.7	840.8	474.4	298.4	228.4	199.8	193.1	198.3	202.9	205.0	205.0
42.5°	1150.1	888.0	472.8	292.2	227.3	200.3	194.1	198.8	202.9	204.0	204.0
45°	1229.0	931.6	463.5	281.8	223.7	199.8	194.6	198.8	201.9	201.9	202.4
47.5°	1322.4	965.8	450.0	270.9	219.5	198.8	193.6	198.3	200.8	200.8	200.3
50°	1406.5	999.0	431.8	259.0	215.9	197.7	193.1	197.7	200.8	199.8	199.8
52.5°	1495.7	1028.6	413.1	248.1	212.3	197.2	193.1	197.7	200.8	200.3	200.8
55°	1578.2	1058.2	389.8	238.2	210.2	196.7	193.6	198.3	202.4	202.4	201.9
57.5°	1684.1	1073.8	371.6	231.5	208.1	196.7	194.1	199.3	204.5	205.0	205.5
60°	1758.8	1094.0	356.5	227.3	208.1	197.7	195.7	200.8	207.6	210.2	211.7
62.5°	1813.3	1093.0	338.4	225.2	208.6	198.8	197.2	202.4	211.2	214.9	216.9
65°	1841.9	1074.3	319.7	223.7	209.2	199.8	198.3	203.4	213.8	220.6	222.6
67.5°	1804.5	1024.0	300.5	221.1	208.6	199.3	198.8	204.5	215.4	224.2	225.2
70°	1713.7	938.8	277.7	215.4	206.6	197.7	197.2	201.9	213.8	224.2	225.2
72.5°	1541.4	830.9	251.2	207.1	201.9	194.1	192.5	197.2	208.6	219.0	219.0
75°	1311.0	705.8	225.2	195.1	192.5	187.9	186.3	188.9	198.8	208.6	209.2
77.5°	1026.6	562.1	197.7	178.5	181.1	177.5	175.9	177.5	186.3	193.1	193.6
80°	781.1	428.2	171.3	158.8	165.0	164.0	162.4	161.9	168.2	173.3	171.8
82.5°	538.7	304.6	141.7	138.1	144.8	146.4	145.8	142.2	146.9	151.0	148.4
85°	347.7	215.4	118.3	116.8	123.0	125.6	125.1	122.5	123.5	128.2	123.0
87.5°	224.7	154.7	97.6	96.5	101.7	104.8	104.8	99.6	101.7	106.4	100.7
90°	140.6	109.5	81.5	81.0	84.6	86.2	84.1	81.0	82.0	84.6	82.5
92.5°	99.6	82.5	68.0	68.0	69.0	70.1	69.0	65.4	67.5	67.5	67.5
95°	72.7	65.4	59.2	58.1	57.6	57.1	56.6	54.0	56.1	55.5	54.0
97.5°	55.5	52.4	50.3	49.8	48.8	48.3	47.7	45.7	47.2	46.2	45.2
100°	43.6	43.1	43.1	43.1	42.0	40.5	40.5	40.0	40.0	38.4	38.4
102.5°	34.8	34.8	36.8	37.4	36.3	35.3	35.3	34.8	34.3	32.2	31.7
105°	27.5	28.5	31.7	32.2	31.7	30.6	30.1	30.1	29.1	26.5	26.5
107.5°	22.3	23.4	27.0	28.0	27.5	27.0	26.5	25.9	24.9	22.3	22.3
110°	18.2	19.7	22.8	24.4	23.9	23.4	23.4	22.3	21.3	19.2	19.2



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CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.6	17.1	19.7	21.3	21.3	20.8	20.2	19.7	18.2	16.6	16.6
115°	13.5	15.1	17.6	18.7	18.7	18.2	17.6	17.1	15.6	14.5	15.1
117.5°	12.5	13.5	15.6	16.6	16.6	16.1	15.6	15.1	14.0	13.5	13.5
120°	11.4	12.5	14.0	15.1	15.1	14.5	14.0	13.5	12.5	12.5	12.5
122.5°	10.4	11.4	13.0	13.5	13.5	13.0	12.5	11.9	10.9	11.4	11.4
125°	9.9	10.4	11.4	12.5	12.5	11.9	11.4	10.4	9.9	10.4	10.4
127.5°	9.3	9.9	10.9	11.4	11.4	10.9	9.9	9.3	8.8	9.3	9.3
130°	8.8	9.3	9.9	10.4	10.4	9.3	8.8	8.3	8.3	8.8	8.8
132.5°	8.3	8.8	8.8	9.3	9.3	8.8	7.8	7.3	7.3	7.8	7.8
135°	7.8	7.8	8.3	8.3	8.3	7.8	6.7	6.2	6.7	7.3	7.3
137.5°	6.7	7.3	7.3	7.8	7.3	6.7	5.7	5.7	6.2	6.2	6.2
140°	6.2	6.2	6.7	6.7	6.2	5.7	5.2	4.7	5.2	5.7	5.7
142.5°	5.7	5.7	5.7	5.7	5.7	4.7	4.2	4.2	4.7	4.7	4.7
145°	4.7	4.7	5.2	4.7	4.7	3.6	3.1	3.6	4.2	4.2	4.2
147.5°	3.6	4.2	4.2	4.2	3.6	2.6	2.1	3.1	3.6	3.6	3.6
150°	3.1	3.1	3.1	3.1	3.1	2.1	1.6	2.6	3.1	3.1	3.1
152.5°	2.6	2.6	3.1	3.1	2.6	1.6	1.0	2.1	2.6	2.6	2.1
155°	2.1	2.1	2.6	2.6	2.1	1.0	1.0	1.6	2.1	2.1	1.6
157.5°	1.6	2.1	2.1	2.1	1.6	1.0	0.5	1.0	1.6	1.6	1.6
160°	1.6	1.6	1.6	2.1	1.6	1.0	0.5	1.0	1.6	1.0	1.0
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)