

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: P415693

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415693
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-PA1-50-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4469 lumens
Efficiency: N/A
Efficacy: 82.8 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): 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

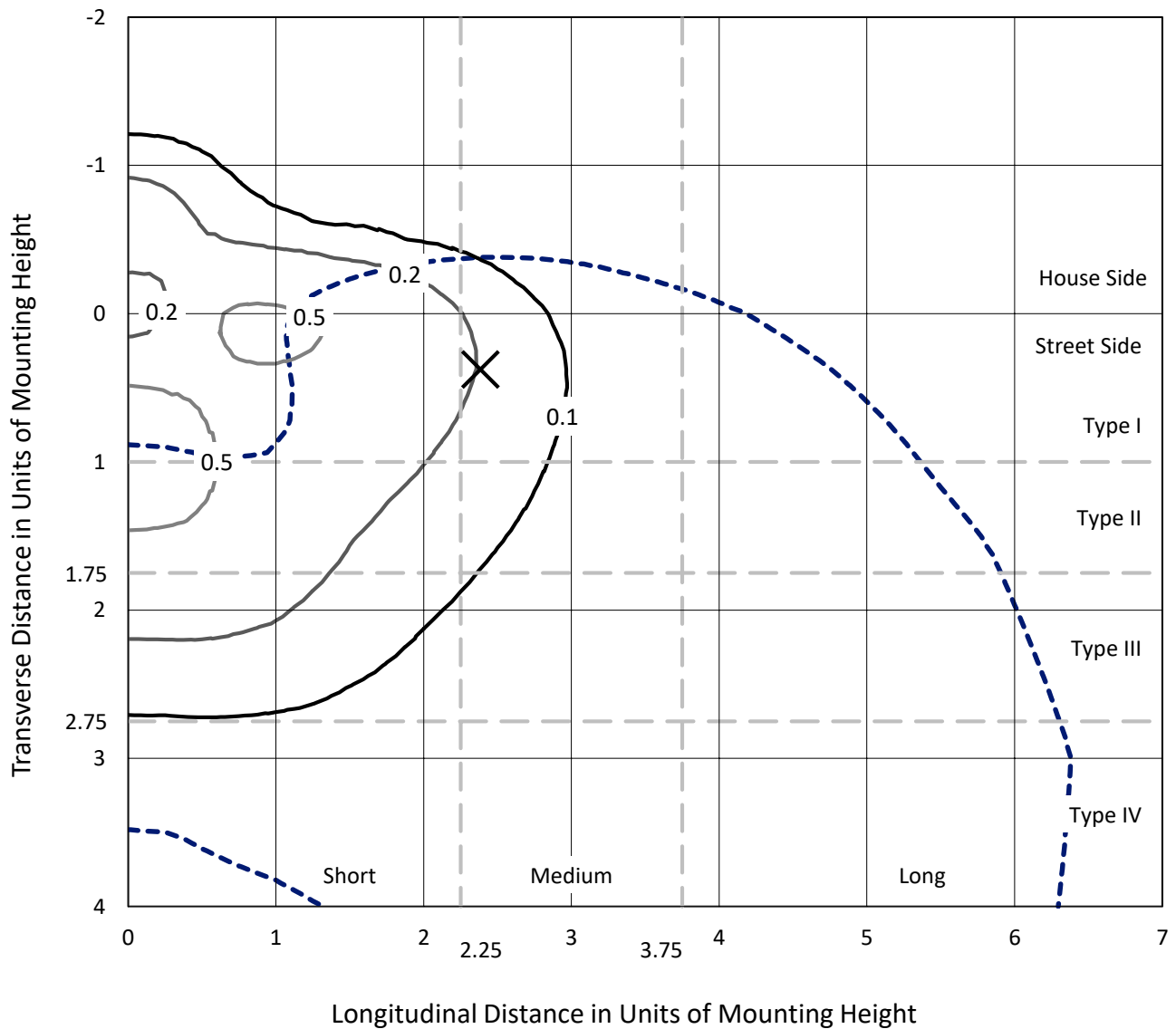


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

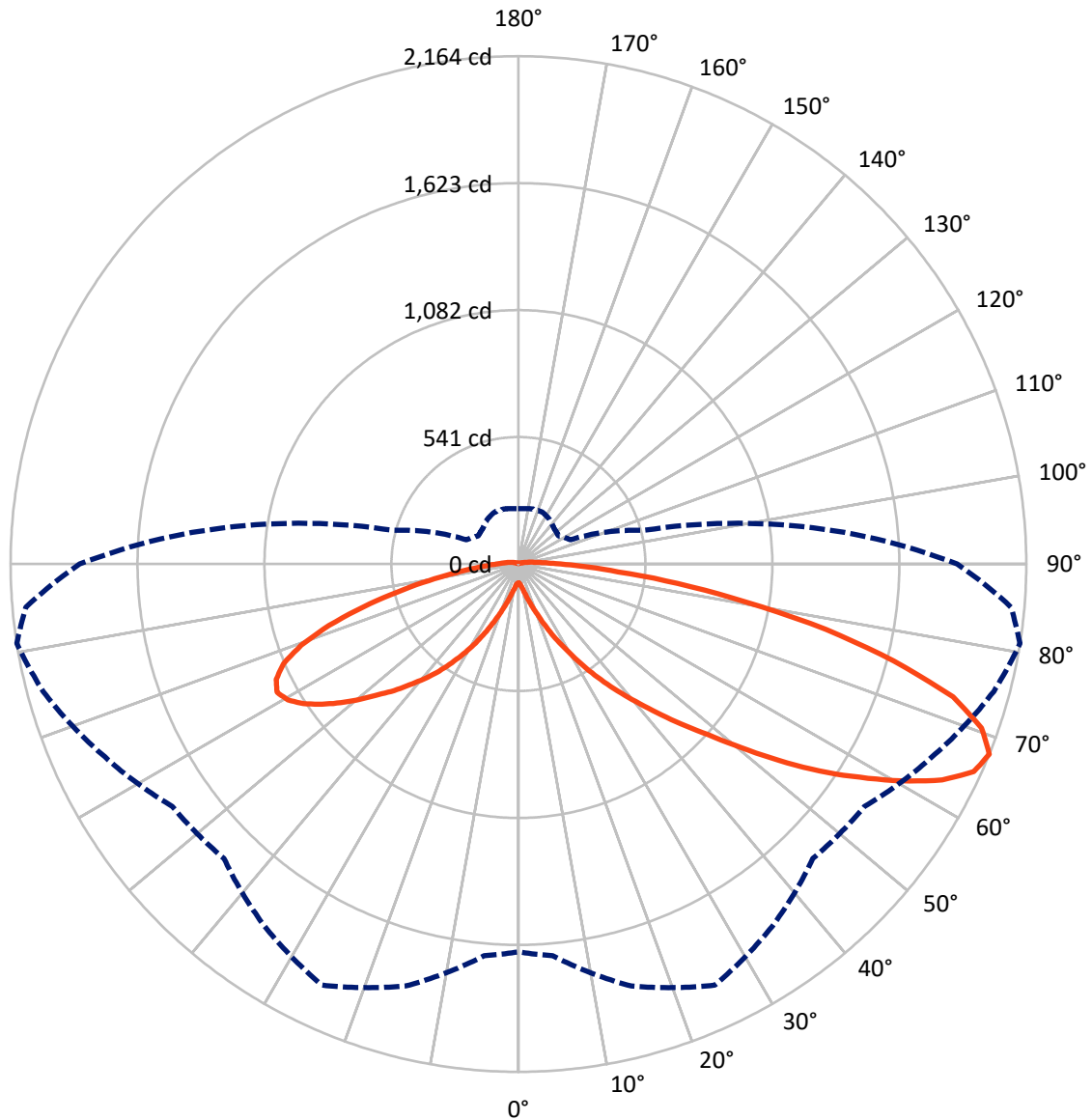


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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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	978.3	69.6	1047.8
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	3333.7	87.5	3421.2
	% Fixture	74.6	2.0	76.6
Total	Lumens	4312.0	157.1	4469.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	46.1	1.0
20°-30°	137.6	3.1
30°-40°	298.8	6.7
40°-50°	523.9	11.7
50°-60°	830.2	18.6
60°-70°	1120.3	25.1
70°-80°	961.2	21.5
80°-90°	384.6	8.6
90°-100°	93.6	2.1
100°-110°	32.9	0.7
110°-120°	15.1	0.3
120°-130°	8.1	0.2
130°-140°	4.6	0.1
140°-150°	2.1	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4312.0	96.5
0°-180°	4469.0	100.0



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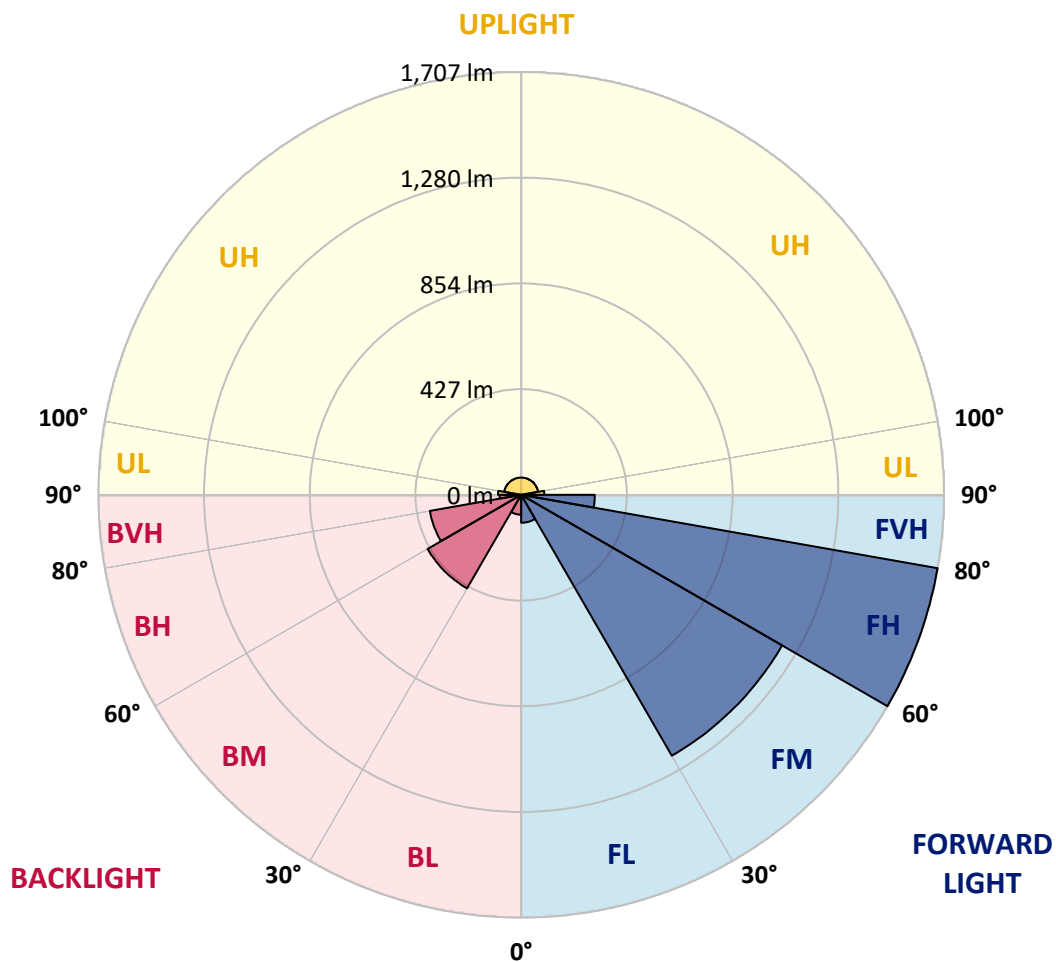
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.8	2.5			
FM (30°-60°)	1216.4	27.2			
FH (60°-80°)	1707.3	38.2			G1/1800
FVH (80°-90°)	297.3	6.7			G3/500
BL (0°-30°)	80.2	1.8	B0/110		
BM (30°-60°)	436.4	9.8	B1/1000		
BH (60°-80°)	374.3	8.4	B1/500		G1/500
BVH (80°-90°)	87.3	2.0			G1/100
UL (90°-100°)	93.6	2.1		U3/500	
UH (100°-180°)	69.6	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°	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
2.5°	87.7	87.2	87.2	87.7	87.7	87.7	86.2	84.6	83.0	82.5	82.0
5°	99.7	98.6	98.6	98.6	98.1	96.5	94.5	92.4	90.3	89.3	88.2
7.5°	115.2	114.7	114.2	112.6	112.1	109.5	106.4	103.3	100.2	99.1	98.1
10°	136.5	136.0	133.4	132.9	130.3	127.7	123.0	118.3	114.2	112.6	111.1
12.5°	163.5	163.5	159.9	155.7	152.6	147.4	143.3	137.5	134.4	132.4	130.3
15°	198.8	196.7	192.0	187.4	179.1	172.8	166.6	163.5	161.4	158.8	155.7
17.5°	237.7	235.1	231.0	221.6	210.7	201.9	196.2	193.1	192.0	190.5	186.9
20°	284.4	281.3	275.6	261.1	249.1	237.2	230.5	228.9	229.9	227.3	223.7
22.5°	340.0	337.9	326.0	307.8	291.2	274.6	268.3	269.4	271.5	275.1	273.0
25°	403.3	398.1	386.7	360.7	333.2	317.1	310.9	315.6	324.9	330.1	326.0
27.5°	477.0	473.9	451.0	417.3	381.5	359.7	355.0	368.5	384.6	388.8	388.8
30°	554.8	556.9	523.7	483.7	438.6	408.5	402.8	422.0	449.5	452.1	458.8
32.5°	653.5	649.8	615.1	549.7	496.2	457.3	453.6	480.6	515.4	528.9	528.9
35°	756.7	753.1	710.6	633.2	559.0	508.7	511.2	539.8	587.0	604.2	606.7
37.5°	875.6	863.7	817.5	721.5	627.5	568.3	563.7	606.7	662.3	686.7	686.7
40°	1006.4	999.7	935.3	821.6	697.6	630.1	626.5	676.3	743.8	770.8	776.0
42.5°	1133.6	1124.7	1065.1	918.7	778.5	695.5	696.0	750.5	827.9	865.2	872.0
45°	1268.0	1259.7	1194.3	1038.1	866.3	776.5	770.2	838.2	930.6	972.1	979.9
47.5°	1387.4	1381.7	1325.1	1156.9	975.3	863.2	854.8	933.2	1040.1	1086.3	1109.7
50°	1517.1	1509.9	1456.9	1283.6	1083.7	955.5	955.0	1039.1	1173.0	1229.1	1248.3
52.5°	1622.5	1614.2	1577.3	1410.7	1191.2	1063.5	1054.7	1158.0	1310.6	1391.0	1400.3
55°	1719.6	1716.4	1704.0	1547.2	1322.0	1169.4	1175.1	1297.6	1467.3	1558.1	1572.1
57.5°	1789.6	1793.8	1799.5	1684.3	1450.2	1287.7	1298.1	1437.7	1630.3	1714.9	1734.1
60°	1837.4	1851.9	1889.8	1803.6	1581.0	1417.0	1434.6	1576.3	1787.0	1877.3	1892.9
62.5°	1841.0	1856.6	1944.8	1915.2	1706.6	1549.3	1569.6	1719.0	1927.2	2027.3	2028.9
65°	1772.0	1793.3	1934.4	1975.4	1817.1	1676.0	1694.1	1846.2	2044.5	2133.2	2101.0
67.5°	1653.1	1675.4	1862.3	1980.6	1885.6	1774.6	1800.5	1944.8	2097.4	2164.4	2107.3
70°	1480.8	1502.6	1699.3	1902.3	1898.1	1832.7	1867.0	1985.3	2087.5	2094.3	2013.8
72.5°	1254.5	1252.4	1464.7	1731.0	1829.1	1828.0	1882.5	1954.7	1974.9	1937.0	1817.7
75°	960.7	987.7	1181.3	1483.4	1671.8	1745.5	1800.5	1828.0	1769.9	1652.6	1523.4
77.5°	688.2	710.6	886.5	1169.4	1438.2	1574.2	1635.0	1622.0	1477.7	1340.1	1191.7
80°	455.7	468.7	615.6	873.0	1159.5	1317.3	1390.5	1340.7	1157.4	981.5	853.3
82.5°	273.5	294.8	387.2	613.5	860.0	1041.2	1085.8	1002.8	826.3	683.0	589.1
85°	165.6	170.2	240.8	392.4	600.5	749.0	791.5	702.3	543.4	426.6	354.0
87.5°	92.9	101.2	149.0	255.4	403.8	520.1	535.1	462.5	341.0	264.7	221.6
90°	54.5	60.2	91.3	158.3	257.4	336.3	340.5	279.8	201.9	159.3	141.7
92.5°	34.8	38.9	60.7	101.7	165.6	218.5	212.8	172.8	129.2	106.4	91.9
95°	24.9	27.0	42.6	70.1	111.1	137.5	135.5	108.5	86.7	74.2	67.5
97.5°	18.7	20.8	33.2	51.4	74.7	92.4	90.3	72.1	60.2	54.5	51.9
100°	15.6	16.6	27.0	40.5	55.5	66.4	65.4	53.5	45.2	41.0	40.0
102.5°	13.5	14.5	22.3	32.7	44.1	51.4	49.3	41.5	34.3	30.6	29.6
105°	11.9	12.5	19.2	28.0	36.3	40.5	40.0	33.2	26.5	22.8	22.3
107.5°	10.9	11.4	16.6	23.9	30.6	34.3	33.2	27.0	20.2	17.6	17.1
110°	9.9	10.4	14.5	20.8	26.0	29.1	27.5	22.3	16.1	13.5	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	9.3	9.3	13.0	17.6	22.3	24.9	23.4	18.2	12.5	10.9	11.4
115°	8.8	8.8	11.4	15.6	19.7	21.8	19.7	15.1	10.4	9.3	9.3
117.5°	8.3	8.3	10.4	14.0	17.6	19.2	17.1	13.0	8.8	7.8	8.3
120°	7.8	8.3	9.9	12.5	15.6	16.6	15.1	10.9	7.3	7.3	7.8
122.5°	7.8	7.8	9.3	11.4	14.0	14.5	13.0	9.3	6.7	6.7	6.7
125°	7.8	7.8	8.8	10.4	12.5	13.0	10.9	7.8	6.2	6.2	6.2
127.5°	7.8	7.8	8.3	9.9	10.9	11.4	9.9	7.3	5.7	5.7	6.2
130°	7.3	7.8	7.8	8.8	9.9	9.9	8.3	6.2	5.2	5.2	5.7
132.5°	7.3	7.3	7.8	8.3	8.8	8.8	7.3	5.7	4.7	5.2	5.2
135°	7.3	7.3	7.3	7.8	8.3	7.8	6.2	4.7	4.2	4.7	4.7
137.5°	6.7	6.7	6.7	7.3	7.3	6.7	5.7	4.2	4.2	4.2	4.2
140°	6.2	6.2	6.2	6.2	6.7	6.2	4.7	3.6	3.6	3.6	3.6
142.5°	5.7	5.7	5.7	5.7	5.7	5.2	4.2	3.1	3.1	3.1	3.1
145°	5.2	5.2	5.2	5.2	4.7	4.2	3.1	2.6	2.6	3.1	3.1
147.5°	4.2	4.2	4.2	4.2	4.2	3.6	2.6	2.1	2.6	2.6	2.6
150°	3.6	3.6	3.6	3.6	3.1	3.1	2.1	2.1	2.1	2.6	2.6
152.5°	2.6	2.6	2.6	3.1	2.6	2.1	1.6	1.6	2.1	2.1	2.1
155°	2.1	2.1	2.1	2.1	2.1	1.6	1.0	1.6	2.1	2.1	2.1
157.5°	1.0	1.6	1.6	1.6	1.6	1.6	1.0	1.6	1.6	1.6	1.6
160°	0.5	0.5	1.0	1.0	1.6	1.6	1.0	1.0	1.6	1.6	1.6
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°	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
2.5°	82.0	81.5	81.0	80.5	79.9	79.9	79.4	78.9	78.4	77.9	77.9
5°	87.7	86.7	85.1	84.1	83.0	83.0	82.0	81.5	80.5	79.9	79.9
7.5°	96.5	96.0	92.9	91.3	89.8	89.3	88.2	87.2	86.2	86.2	86.2
10°	109.5	108.0	105.4	101.2	99.7	98.6	97.1	96.0	96.0	96.5	96.5
12.5°	129.2	125.1	121.5	115.7	112.6	110.6	109.5	110.0	112.6	113.7	112.6
15°	152.1	151.0	142.2	133.9	127.7	123.5	126.1	129.2	132.9	133.9	135.5
17.5°	183.7	180.1	168.2	156.2	144.8	142.7	145.8	151.0	155.2	158.3	160.9
20°	221.6	215.4	200.9	180.1	167.1	164.0	166.1	173.4	181.1	187.4	187.9
22.5°	269.4	260.0	234.1	208.1	188.9	183.7	186.3	197.8	209.2	217.0	216.4
25°	321.3	309.9	275.1	237.7	211.2	201.9	206.6	221.6	237.7	247.1	248.1
27.5°	379.4	368.0	319.7	266.3	231.5	217.5	225.3	242.4	264.2	275.6	277.7
30°	447.9	432.4	364.4	296.9	250.2	232.0	239.3	261.6	285.5	301.6	303.6
32.5°	519.0	494.6	409.0	321.8	263.1	241.4	249.7	275.6	303.1	320.8	323.9
35°	592.7	562.6	454.2	343.1	272.5	247.1	255.4	284.4	313.5	332.7	335.3
37.5°	675.8	635.8	495.2	359.2	277.7	248.6	256.9	286.0	315.6	334.3	336.9
40°	759.3	705.9	529.4	369.0	278.2	247.1	253.8	281.8	309.9	326.0	328.5
42.5°	849.1	779.6	563.7	371.6	275.6	242.9	248.6	273.5	297.4	309.9	311.4
45°	949.8	864.7	592.7	369.6	268.3	236.7	240.8	262.1	280.8	286.5	289.1
47.5°	1056.2	948.8	615.1	363.3	261.1	229.9	232.5	250.2	262.1	262.6	263.1
50°	1186.0	1051.0	642.6	354.5	251.2	223.7	225.3	239.3	245.0	242.4	241.4
52.5°	1328.2	1160.6	660.2	340.5	242.4	218.0	219.6	230.5	232.5	226.8	227.3
55°	1482.9	1262.8	675.3	327.0	233.0	214.4	217.5	226.3	226.3	219.0	218.5
57.5°	1627.2	1367.1	682.0	309.9	225.3	211.8	217.0	225.8	224.7	218.0	217.5
60°	1766.8	1452.3	673.7	293.3	220.1	210.7	220.1	229.4	228.4	222.7	222.1
62.5°	1863.3	1505.7	652.9	276.6	215.4	212.3	223.7	234.6	234.6	228.4	228.4
65°	1904.8	1499.5	610.4	260.0	211.8	213.3	228.9	240.3	239.3	234.1	233.0
67.5°	1870.1	1442.9	553.3	243.9	208.7	214.4	231.5	243.4	242.4	236.7	235.6
70°	1758.5	1324.1	484.3	229.4	204.5	212.8	232.5	242.9	241.4	236.2	234.1
72.5°	1536.3	1139.3	412.1	215.4	198.3	209.2	229.4	238.8	237.2	233.0	230.5
75°	1265.4	918.7	340.5	199.8	190.5	202.4	222.7	231.0	228.9	225.3	222.7
77.5°	967.5	693.9	281.3	185.3	181.1	193.6	213.3	219.6	217.5	214.4	212.8
80°	684.6	494.1	226.3	169.2	167.6	180.1	196.7	203.5	202.4	199.3	196.7
82.5°	450.5	328.5	180.6	151.0	152.1	165.1	177.5	181.1	180.6	178.0	174.9
85°	277.7	216.4	142.2	130.3	134.9	145.3	155.7	156.2	154.7	154.2	149.5
87.5°	177.0	147.9	111.6	110.6	117.3	126.1	130.8	128.7	129.8	129.8	126.1
90°	115.2	103.8	89.3	92.4	99.7	106.4	108.5	102.8	105.9	104.3	102.8
92.5°	83.6	77.3	72.7	76.8	84.1	90.3	89.3	83.0	84.6	84.6	84.1
95°	63.3	60.2	60.7	64.9	70.6	74.7	72.7	67.5	68.0	67.0	65.4
97.5°	49.8	49.3	51.4	54.5	59.7	62.3	60.2	55.5	55.0	53.5	52.9
100°	39.4	40.0	43.1	46.7	49.8	51.9	50.3	45.7	43.6	41.0	40.5
102.5°	30.6	31.7	35.8	38.9	42.0	43.6	42.0	38.4	34.8	32.2	31.7
105°	23.9	24.9	29.6	32.7	35.3	36.3	35.3	31.1	27.5	24.4	24.4
107.5°	18.7	19.7	24.4	28.0	29.6	30.6	29.1	26.0	21.8	19.2	19.2
110°	15.1	16.1	20.2	23.4	24.9	26.0	24.4	20.8	17.6	15.6	15.6



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CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	13.5	16.6	19.7	21.3	21.8	20.2	17.6	14.0	13.0	13.0
115°	10.4	11.4	14.0	16.6	18.2	18.2	17.1	14.5	11.4	10.9	10.9
117.5°	8.8	9.9	11.9	14.5	15.6	15.6	14.5	11.9	9.9	9.3	9.3
120°	8.3	8.8	10.4	12.5	13.5	13.5	12.5	10.4	8.3	8.3	8.3
122.5°	7.3	7.8	9.3	10.9	11.9	11.9	10.9	8.8	7.3	7.8	7.8
125°	6.7	7.3	8.3	9.3	10.4	10.4	9.3	7.8	6.7	6.7	6.7
127.5°	6.2	6.7	7.3	8.3	8.8	8.8	8.3	6.7	6.2	6.2	6.2
130°	5.7	6.2	6.7	7.3	7.8	7.8	6.7	5.7	5.7	5.7	5.7
132.5°	5.7	5.7	5.7	6.2	6.7	6.7	6.2	5.2	5.2	5.2	5.2
135°	5.2	5.2	5.2	5.2	5.7	5.7	5.2	4.7	4.7	4.7	4.7
137.5°	4.7	4.7	4.7	4.7	5.2	5.2	4.7	4.2	4.2	4.2	4.2
140°	4.2	4.2	4.2	3.6	4.2	4.2	3.6	3.6	3.6	3.6	3.6
142.5°	3.1	3.6	3.1	3.1	3.1	3.1	3.1	2.6	3.1	3.1	3.1
145°	3.1	3.1	3.1	2.6	2.6	2.6	2.6	2.1	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	2.1	1.6	2.1	1.6	2.1	2.1	2.1	2.1
150°	2.6	2.6	2.1	2.1	1.6	1.0	1.0	1.6	1.6	1.6	1.6
152.5°	2.1	2.1	2.1	1.6	1.0	0.5	0.5	1.0	1.0	1.0	1.0
155°	2.1	2.1	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	1.6	1.6	1.6	1.0	1.0	0.5	0.0	0.5	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.0	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)