

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: P415745

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415745
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-PA1-50-830-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 4831 lumens
Efficiency: N/A
Efficacy: 89.5 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 - G3

Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): 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

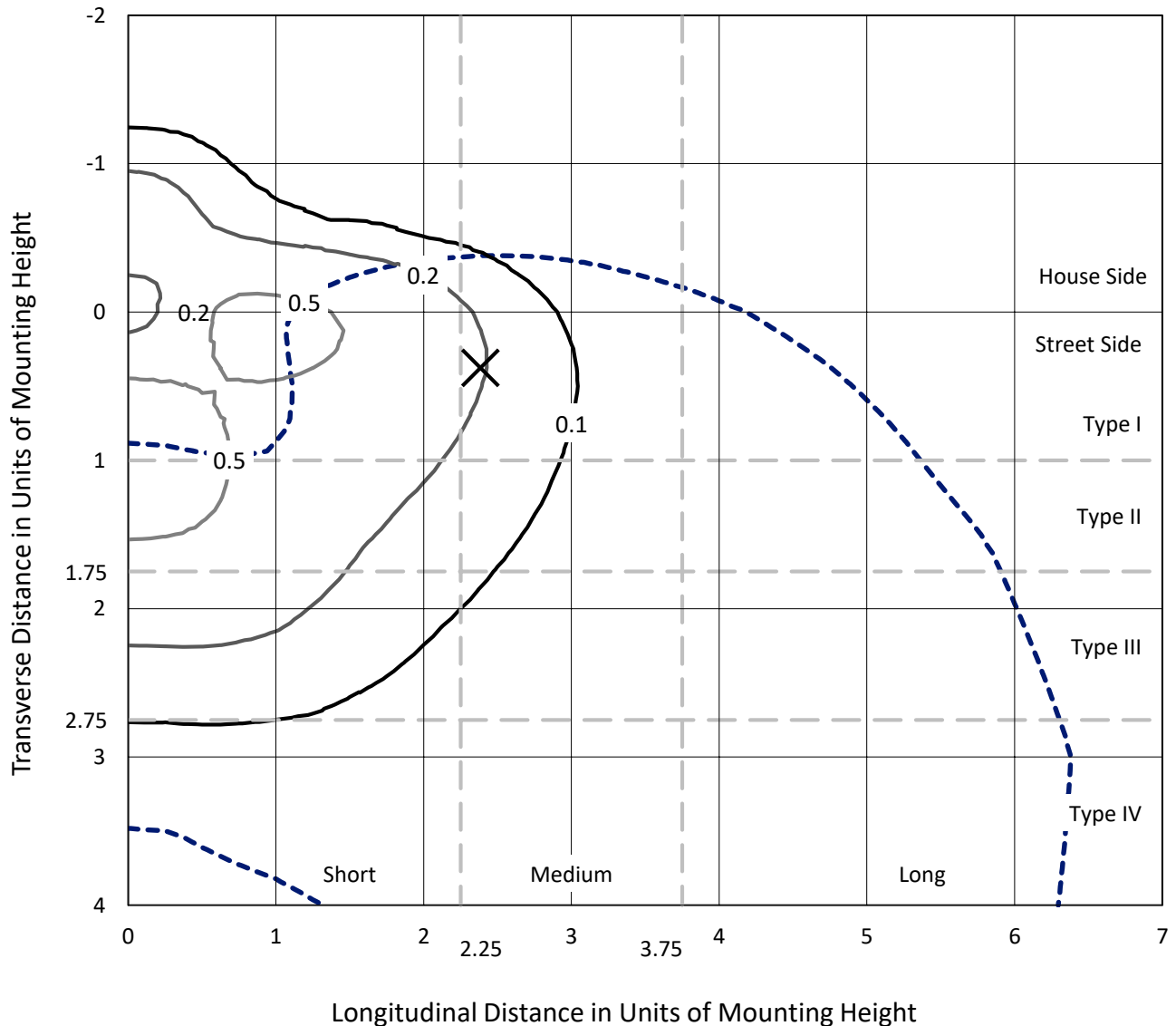


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

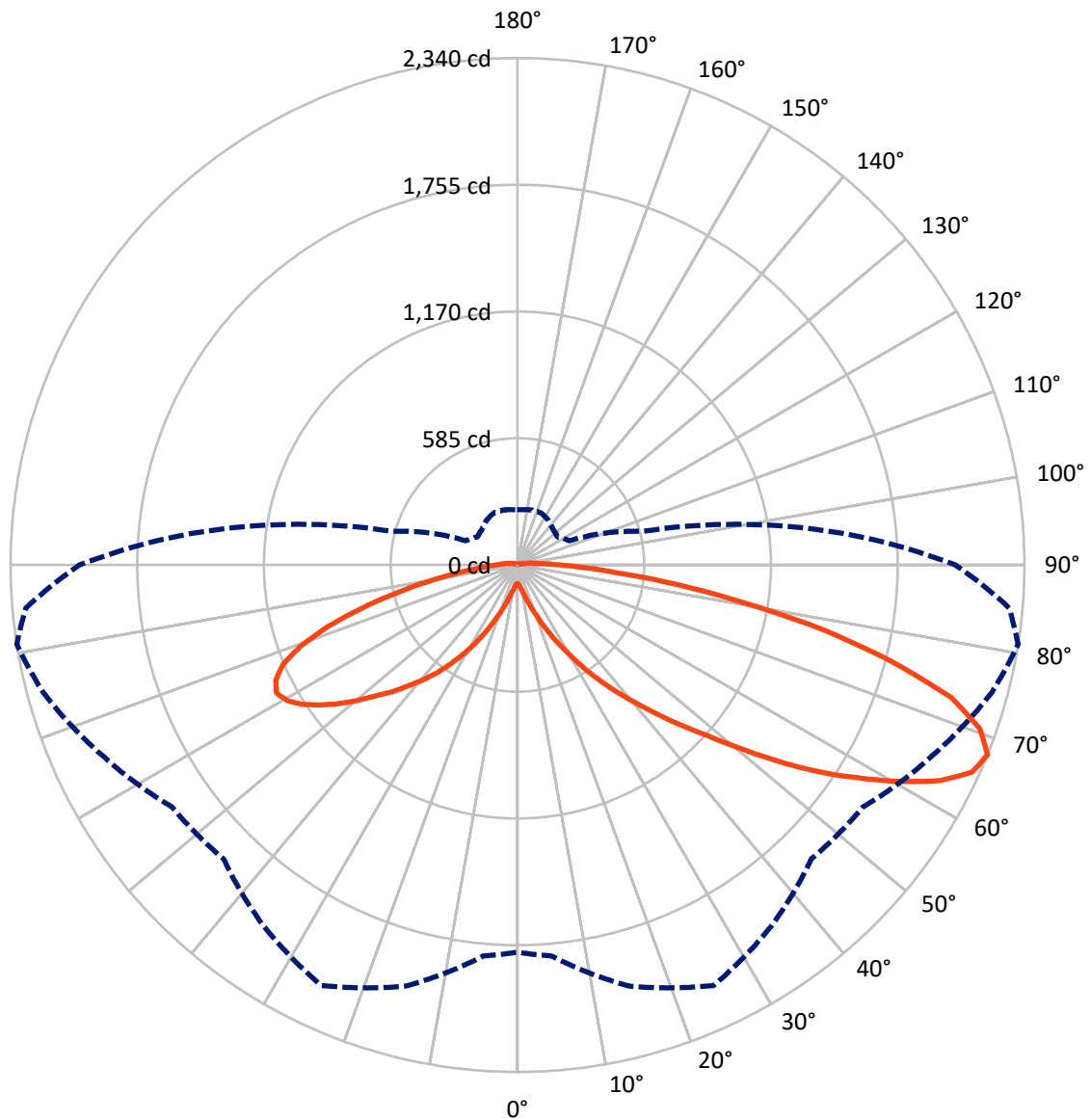


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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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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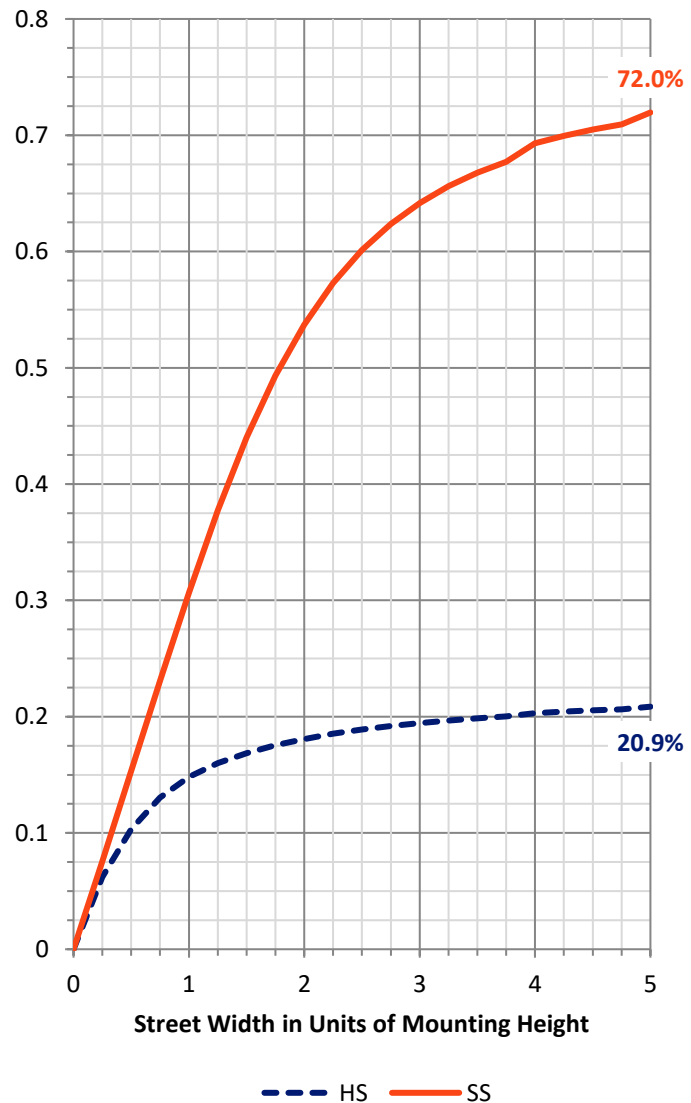
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1057.5	75.2	1132.7
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	3603.7	94.6	3698.3
	% Fixture	74.6	2.0	76.6
Total	Lumens	4661.2	169.8	4831.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.2
10°-20°	49.9	1.0
20°-30°	148.8	3.1
30°-40°	323.0	6.7
40°-50°	566.3	11.7
50°-60°	897.5	18.6
60°-70°	1211.1	25.1
70°-80°	1039.1	21.5
80°-90°	415.7	8.6
90°-100°	101.2	2.1
100°-110°	35.5	0.7
110°-120°	16.3	0.3
120°-130°	8.8	0.2
130°-140°	4.9	0.1
140°-150°	2.3	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4661.2	96.5
0°-180°	4831.0	100.0



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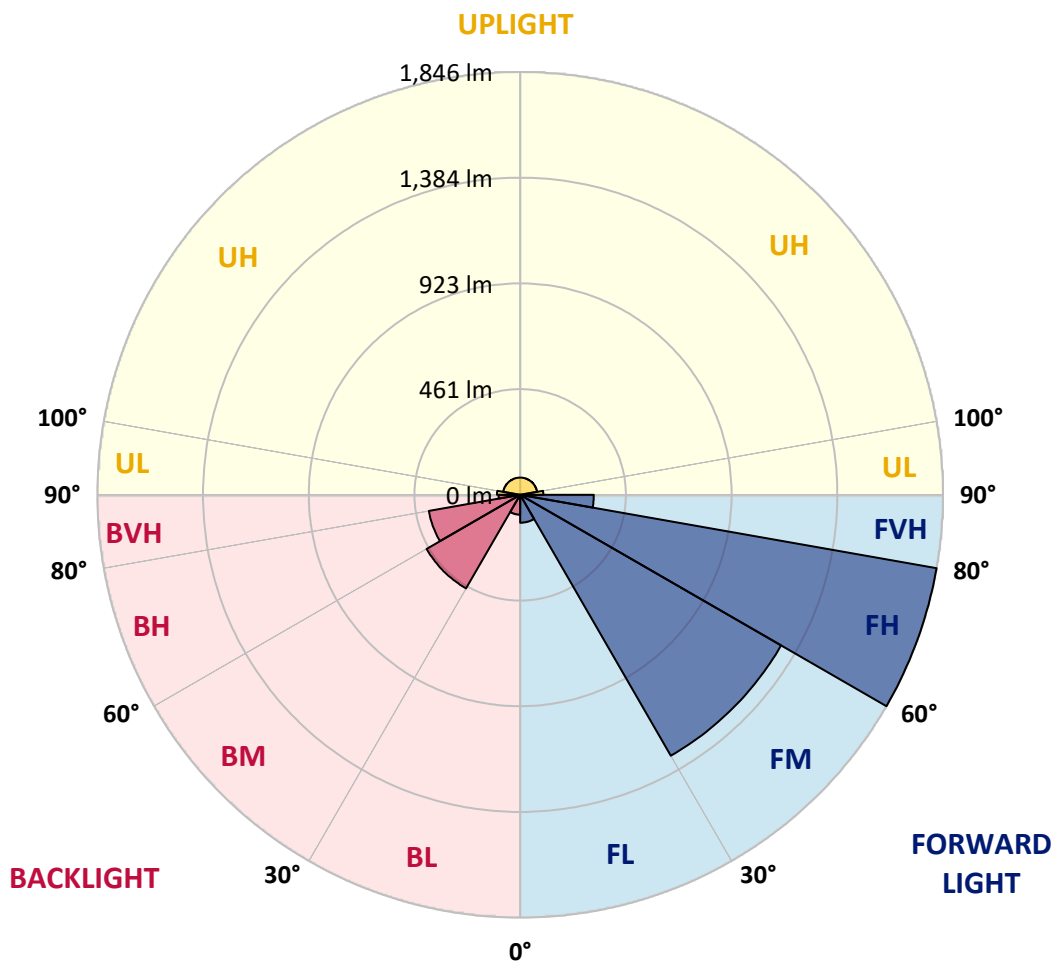
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.9	2.5			
FM (30°-60°)	1314.9	27.2			
FH (60°-80°)	1845.6	38.2			G2/5000
FVH (80°-90°)	321.3	6.7			G3/500
BL (0°-30°)	86.7	1.8	B0/110		
BM (30°-60°)	471.8	9.8	B1/1000		
BH (60°-80°)	404.6	8.4	B1/500		G1/500
BVH (80°-90°)	94.4	2.0			G1/100
UL (90°-100°)	101.2	2.1		U3/500	
UH (100°-180°)	75.2	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°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2.5°	94.8	94.3	94.3	94.8	94.8	94.8	93.1	91.5	89.8	89.2	88.6
5°	107.7	106.6	106.6	106.6	106.0	104.4	102.1	99.9	97.6	96.5	95.4
7.5°	124.6	124.0	123.4	121.8	121.2	118.4	115.0	111.7	108.3	107.2	106.0
10°	147.6	147.0	144.2	143.6	140.8	138.0	133.0	127.9	123.4	121.8	120.1
12.5°	176.7	176.7	172.8	168.3	165.0	159.3	154.9	148.7	145.3	143.1	140.8
15°	214.9	212.6	207.6	202.5	193.6	186.8	180.1	176.7	174.5	171.7	168.3
17.5°	257.0	254.2	249.7	239.6	227.8	218.3	212.1	208.7	207.6	205.9	202.0
20°	307.5	304.1	297.9	282.2	269.3	256.4	249.1	247.4	248.6	245.8	241.8
22.5°	367.5	365.3	352.4	332.7	314.8	296.8	290.1	291.2	293.4	297.4	295.1
25°	436.0	430.3	418.0	389.9	360.2	342.8	336.1	341.1	351.2	356.8	352.4
27.5°	515.6	512.3	487.6	451.1	412.4	388.8	383.8	398.4	415.8	420.2	420.2
30°	599.8	602.0	566.1	522.9	474.1	441.6	435.4	456.2	485.9	488.7	496.0
32.5°	706.4	702.5	664.9	594.2	536.4	494.3	490.4	519.6	557.1	571.7	571.7
35°	818.0	814.1	768.1	684.5	604.3	549.9	552.7	583.5	634.6	653.1	655.9
37.5°	946.5	933.6	883.7	779.9	678.3	614.4	609.3	655.9	715.9	742.3	742.3
40°	1087.9	1080.6	1011.1	888.2	754.1	681.1	677.2	731.1	804.0	833.2	838.8
42.5°	1225.4	1215.8	1151.3	993.1	841.6	751.8	752.4	811.3	894.9	935.3	942.6
45°	1370.7	1361.7	1291.0	1122.2	936.4	839.4	832.6	906.1	1006.0	1050.9	1059.3
47.5°	1499.8	1493.6	1432.4	1250.6	1054.3	933.1	924.1	1008.8	1124.4	1174.3	1199.6
50°	1640.0	1632.2	1574.9	1387.5	1171.5	1032.9	1032.4	1123.3	1268.0	1328.6	1349.4
52.5°	1753.9	1744.9	1705.1	1525.0	1287.7	1149.6	1140.1	1251.8	1416.7	1503.7	1513.8
55°	1858.8	1855.5	1842.0	1672.6	1429.1	1264.1	1270.3	1402.7	1586.2	1684.3	1699.5
57.5°	1934.6	1939.1	1945.2	1820.7	1567.6	1392.0	1403.2	1554.2	1762.3	1853.8	1874.6
60°	1986.2	2001.9	2042.9	1949.7	1709.0	1531.7	1550.8	1704.0	1931.8	2029.4	2046.2
62.5°	1990.1	2007.0	2102.3	2070.4	1844.8	1674.8	1696.7	1858.3	2083.3	2191.6	2193.2
65°	1915.5	1938.5	2091.1	2135.5	1964.3	1811.7	1831.3	1995.7	2210.1	2306.0	2271.2
67.5°	1787.0	1811.2	2013.1	2141.1	2038.4	1918.3	1946.4	2102.3	2267.3	2339.7	2278.0
70°	1600.7	1624.3	1837.0	2056.3	2051.9	1981.2	2018.2	2146.1	2256.6	2263.9	2177.0
72.5°	1356.1	1353.9	1583.4	1871.2	1977.2	1976.1	2035.0	2113.0	2134.9	2093.9	1964.9
75°	1038.6	1067.7	1277.0	1603.6	1807.2	1886.9	1946.4	1976.1	1913.3	1786.5	1646.8
77.5°	744.0	768.1	958.3	1264.1	1554.7	1701.7	1767.4	1753.4	1597.4	1448.7	1288.2
80°	492.6	506.7	665.4	943.7	1253.4	1424.0	1503.1	1449.3	1251.2	1061.0	922.4
82.5°	295.7	318.7	418.6	663.2	929.7	1125.5	1173.8	1084.0	893.2	738.4	636.8
85°	179.0	184.0	260.3	424.2	649.2	809.6	855.6	759.1	587.4	461.2	382.7
87.5°	100.4	109.4	161.0	276.0	436.5	562.2	578.5	499.9	368.6	286.1	239.6
90°	58.9	65.1	98.7	171.1	278.3	363.6	368.1	302.4	218.3	172.3	153.2
92.5°	37.6	42.1	65.6	110.0	179.0	236.2	230.0	186.8	139.7	115.0	99.3
95°	26.9	29.2	46.0	75.7	120.1	148.7	146.4	117.3	93.7	80.2	72.9
97.5°	20.2	22.4	35.9	55.5	80.8	99.9	97.6	78.0	65.1	58.9	56.1
100°	16.8	18.0	29.2	43.8	60.0	71.8	70.7	57.8	48.8	44.3	43.2
102.5°	14.6	15.7	24.1	35.3	47.7	55.5	53.3	44.9	37.0	33.1	32.0
105°	12.9	13.5	20.8	30.3	39.3	43.8	43.2	35.9	28.6	24.7	24.1
107.5°	11.8	12.3	18.0	25.8	33.1	37.0	35.9	29.2	21.9	19.1	18.5
110°	10.7	11.2	15.7	22.4	28.1	31.4	29.7	24.1	17.4	14.6	14.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	10.1	10.1	14.0	19.1	24.1	26.9	25.2	19.6	13.5	11.8	12.3
115°	9.5	9.5	12.3	16.8	21.3	23.6	21.3	16.3	11.2	10.1	10.1
117.5°	9.0	9.0	11.2	15.1	19.1	20.8	18.5	14.0	9.5	8.4	9.0
120°	8.4	9.0	10.7	13.5	16.8	18.0	16.3	11.8	7.9	7.9	8.4
122.5°	8.4	8.4	10.1	12.3	15.1	15.7	14.0	10.1	7.3	7.3	7.3
125°	8.4	8.4	9.5	11.2	13.5	14.0	11.8	8.4	6.7	6.7	6.7
127.5°	8.4	8.4	9.0	10.7	11.8	12.3	10.7	7.9	6.2	6.2	6.7
130°	7.9	8.4	8.4	9.5	10.7	10.7	9.0	6.7	5.6	5.6	6.2
132.5°	7.9	7.9	8.4	9.0	9.5	9.5	7.9	6.2	5.0	5.6	5.6
135°	7.9	7.9	7.9	8.4	9.0	8.4	6.7	5.0	4.5	5.0	5.0
137.5°	7.3	7.3	7.3	7.9	7.9	7.3	6.2	4.5	4.5	4.5	4.5
140°	6.7	6.7	6.7	6.7	7.3	6.7	5.0	3.9	3.9	3.9	3.9
142.5°	6.2	6.2	6.2	6.2	6.2	5.6	4.5	3.4	3.4	3.4	3.4
145°	5.6	5.6	5.6	5.6	5.0	4.5	3.4	2.8	2.8	3.4	3.4
147.5°	4.5	4.5	4.5	4.5	4.5	3.9	2.8	2.2	2.8	2.8	2.8
150°	3.9	3.9	3.9	3.9	3.4	3.4	2.2	2.2	2.2	2.8	2.8
152.5°	2.8	2.8	2.8	3.4	2.8	2.2	1.7	1.7	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	2.2	1.7	1.1	1.7	2.2	2.2	2.2
157.5°	1.1	1.7	1.7	1.7	1.7	1.7	1.1	1.7	1.7	1.7	1.7
160°	0.6	0.6	1.1	1.1	1.7	1.7	1.1	1.1	1.7	1.7	1.7
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°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2.5°	88.6	88.1	87.5	87.0	86.4	86.4	85.8	85.3	84.7	84.2	84.2
5°	94.8	93.7	92.0	90.9	89.8	89.8	88.6	88.1	87.0	86.4	86.4
7.5°	104.4	103.8	100.4	98.7	97.1	96.5	95.4	94.3	93.1	93.1	93.1
10°	118.4	116.7	113.9	109.4	107.7	106.6	104.9	103.8	103.8	104.4	104.4
12.5°	139.7	135.2	131.3	125.1	121.8	119.5	118.4	118.9	121.8	122.9	121.8
15°	164.4	163.3	153.7	144.8	138.0	133.5	136.3	139.7	143.6	144.8	146.4
17.5°	198.6	194.7	181.8	168.9	156.5	154.3	157.7	163.3	167.8	171.1	173.9
20°	239.6	232.8	217.1	194.7	180.7	177.3	179.5	187.4	195.8	202.5	203.1
22.5°	291.2	281.1	253.0	225.0	204.2	198.6	201.4	213.8	226.1	234.5	234.0
25°	347.3	335.0	297.4	257.0	228.4	218.3	223.3	239.6	257.0	267.1	268.2
27.5°	410.1	397.8	345.6	287.8	250.2	235.1	243.5	262.0	285.6	297.9	300.2
30°	484.2	467.4	393.9	320.9	270.4	250.8	258.7	282.8	308.6	326.0	328.2
32.5°	561.1	534.7	442.1	347.9	284.5	260.9	269.9	297.9	327.7	346.7	350.1
35°	640.7	608.2	490.9	370.9	294.6	267.1	276.0	307.5	338.9	359.6	362.5
37.5°	730.5	687.3	535.3	388.3	300.2	268.8	277.7	309.2	341.1	361.3	364.1
40°	820.9	763.1	572.3	398.9	300.7	267.1	274.4	304.7	335.0	352.4	355.2
42.5°	917.9	842.7	609.3	401.7	297.9	262.6	268.8	295.7	321.5	335.0	336.6
45°	1026.8	934.8	640.7	399.5	290.1	255.9	260.3	283.3	303.5	309.7	312.5
47.5°	1141.8	1025.6	664.9	392.8	282.2	248.6	251.4	270.4	283.3	283.9	284.5
50°	1282.1	1136.2	694.6	383.2	271.6	241.8	243.5	258.7	264.8	262.0	260.9
52.5°	1435.8	1254.6	713.7	368.1	262.0	235.7	237.3	249.1	251.4	245.2	245.8
55°	1603.0	1365.1	730.0	353.5	251.9	231.7	235.1	244.6	244.6	236.8	236.2
57.5°	1759.0	1477.9	737.3	335.0	243.5	228.9	234.5	244.1	242.9	235.7	235.1
60°	1909.9	1569.9	728.3	317.0	237.9	227.8	237.9	248.0	246.9	240.7	240.1
62.5°	2014.3	1627.7	705.8	299.1	232.8	229.5	241.8	253.6	253.6	246.9	246.9
65°	2059.1	1620.9	659.8	281.1	228.9	230.6	247.4	259.8	258.7	253.0	251.9
67.5°	2021.6	1559.8	598.1	263.7	225.6	231.7	250.2	263.1	262.0	255.9	254.7
70°	1900.9	1431.3	523.5	248.0	221.1	230.0	251.4	262.6	260.9	255.3	253.0
72.5°	1660.8	1231.6	445.5	232.8	214.3	226.1	248.0	258.1	256.4	251.9	249.1
75°	1367.9	993.1	368.1	216.0	205.9	218.8	240.7	249.7	247.4	243.5	240.7
77.5°	1045.8	750.2	304.1	200.3	195.8	209.3	230.6	237.3	235.1	231.7	230.0
80°	740.1	534.1	244.6	182.9	181.2	194.7	212.6	219.9	218.8	215.5	212.6
82.5°	487.0	355.2	195.3	163.3	164.4	178.4	191.9	195.8	195.3	192.4	189.1
85°	300.2	234.0	153.7	140.8	145.9	157.1	168.3	168.9	167.2	166.6	161.6
87.5°	191.3	159.9	120.6	119.5	126.8	136.3	141.4	139.1	140.3	140.3	136.3
90°	124.6	112.2	96.5	99.9	107.7	115.0	117.3	111.1	114.5	112.8	111.1
92.5°	90.3	83.6	78.6	83.0	90.9	97.6	96.5	89.8	91.5	91.5	90.9
95°	68.5	65.1	65.6	70.1	76.3	80.8	78.6	72.9	73.5	72.4	70.7
97.5°	53.9	53.3	55.5	58.9	64.5	67.3	65.1	60.0	59.5	57.8	57.2
100°	42.6	43.2	46.6	50.5	53.9	56.1	54.4	49.4	47.1	44.3	43.8
102.5°	33.1	34.2	38.7	42.1	45.4	47.1	45.4	41.5	37.6	34.8	34.2
105°	25.8	26.9	32.0	35.3	38.2	39.3	38.2	33.7	29.7	26.4	26.4
107.5°	20.2	21.3	26.4	30.3	32.0	33.1	31.4	28.1	23.6	20.8	20.8
110°	16.3	17.4	21.9	25.2	26.9	28.1	26.4	22.4	19.1	16.8	16.8



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	14.6	18.0	21.3	23.0	23.6	21.9	19.1	15.1	14.0	14.0
115°	11.2	12.3	15.1	18.0	19.6	19.6	18.5	15.7	12.3	11.8	11.8
117.5°	9.5	10.7	12.9	15.7	16.8	16.8	15.7	12.9	10.7	10.1	10.1
120°	9.0	9.5	11.2	13.5	14.6	14.6	13.5	11.2	9.0	9.0	9.0
122.5°	7.9	8.4	10.1	11.8	12.9	12.9	11.8	9.5	7.9	8.4	8.4
125°	7.3	7.9	9.0	10.1	11.2	11.2	10.1	8.4	7.3	7.3	7.3
127.5°	6.7	7.3	7.9	9.0	9.5	9.5	9.0	7.3	6.7	6.7	6.7
130°	6.2	6.7	7.3	7.9	8.4	8.4	7.3	6.2	6.2	6.2	6.2
132.5°	6.2	6.2	6.2	6.7	7.3	7.3	6.7	5.6	5.6	5.6	5.6
135°	5.6	5.6	5.6	5.6	6.2	6.2	5.6	5.0	5.0	5.0	5.0
137.5°	5.0	5.0	5.0	5.0	5.6	5.6	5.0	4.5	4.5	4.5	4.5
140°	4.5	4.5	4.5	3.9	4.5	4.5	3.9	3.9	3.9	3.9	3.9
142.5°	3.4	3.9	3.4	3.4	3.4	3.4	3.4	2.8	3.4	3.4	3.4
145°	3.4	3.4	3.4	2.8	2.8	2.8	2.8	2.2	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.2	1.7	2.2	1.7	2.2	2.2	2.2	2.2
150°	2.8	2.8	2.2	2.2	1.7	1.1	1.1	1.7	1.7	1.7	1.7
152.5°	2.2	2.2	2.2	1.7	1.1	0.6	0.6	1.1	1.1	1.1	1.1
155°	2.2	2.2	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	1.7	1.7	1.7	1.1	1.1	0.6	0.0	0.6	0.0	0.0	0.0
160°	1.7	1.7	1.7	1.1	0.6	0.6	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)