

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: P416109

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416109
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-PA1-60-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5163 lumens
Efficiency: N/A
Efficacy: 80.7 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): 64
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

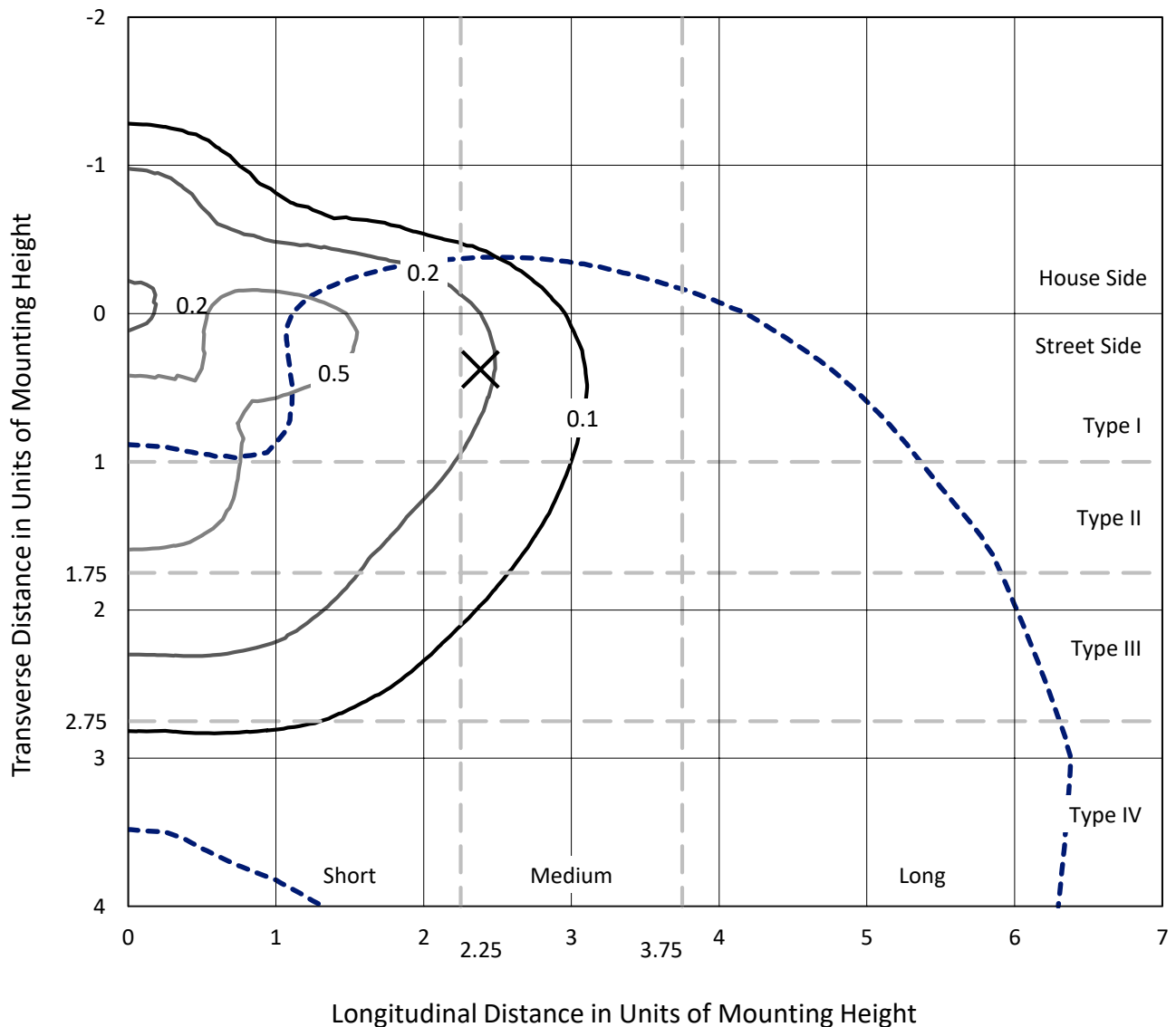


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

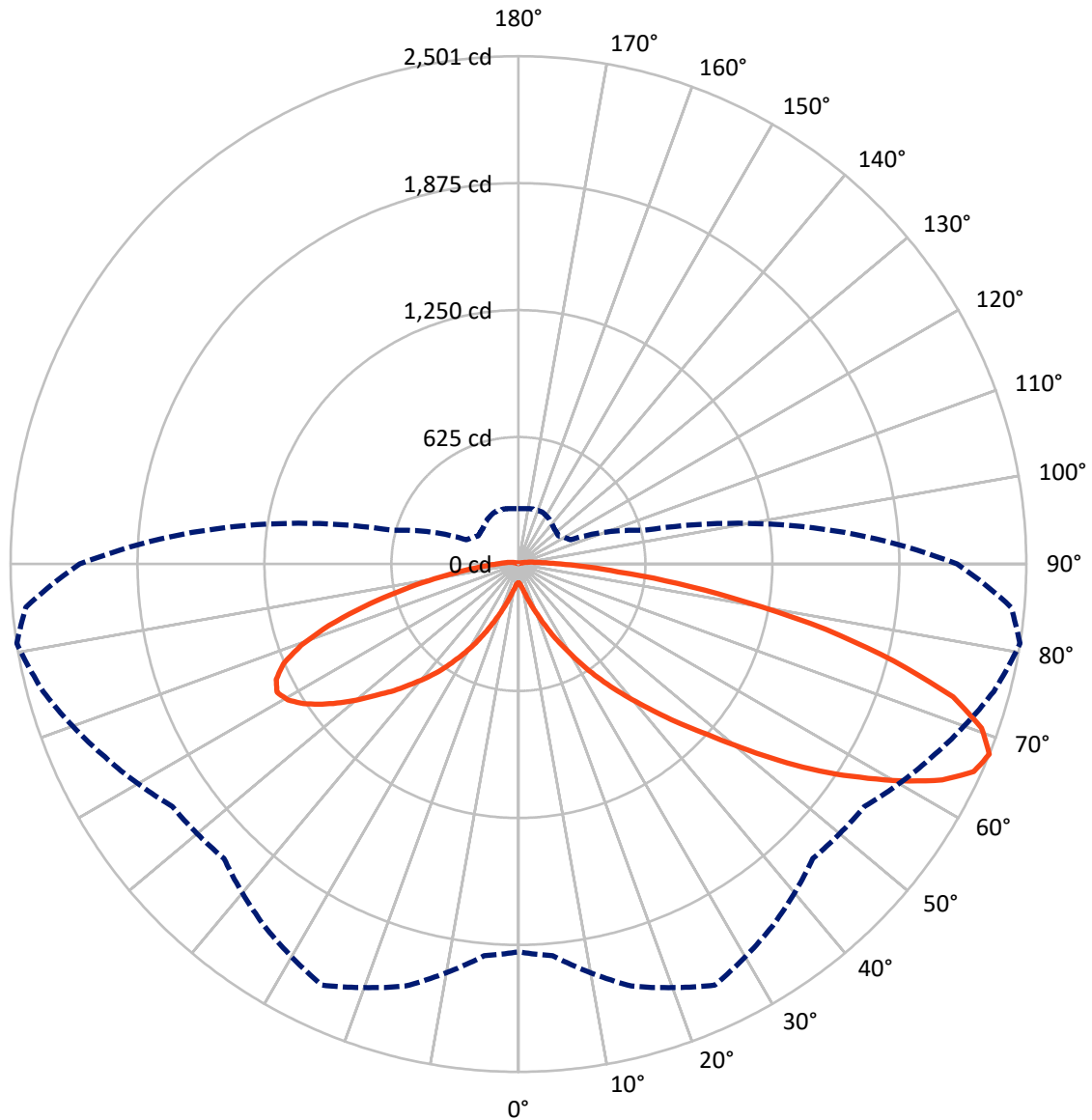


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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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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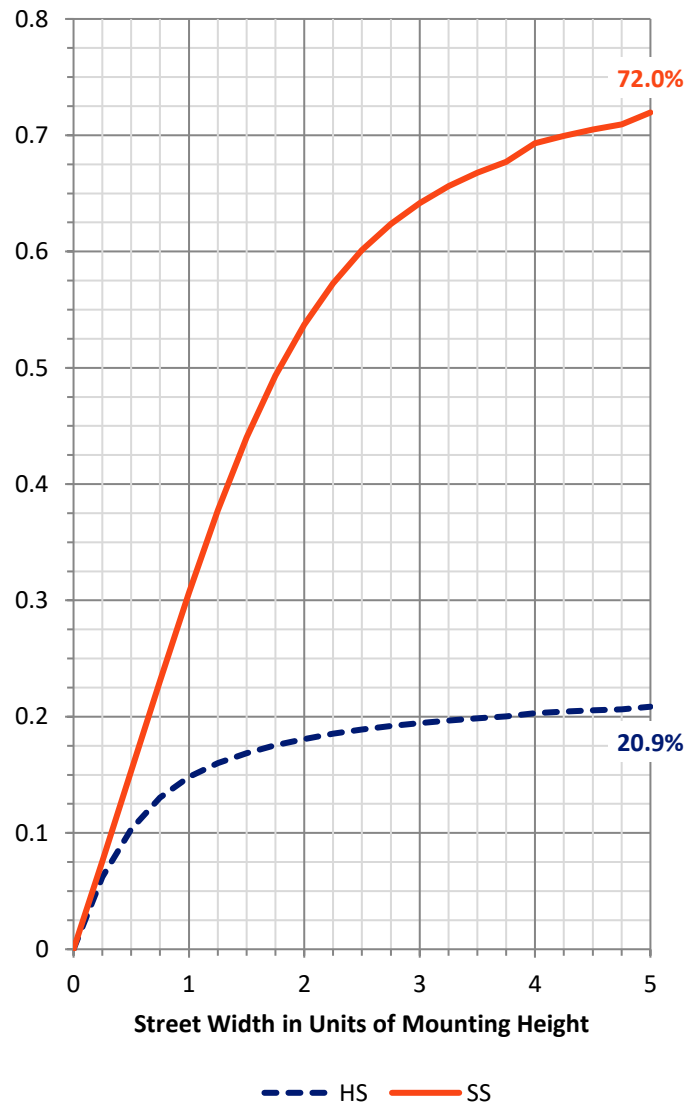
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1130.2	80.4	1210.6
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	3851.4	101.1	3952.5
	% Fixture	74.6	2.0	76.6
Total	Lumens	4981.5	181.5	5163.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.2
10°-20°	53.3	1.0
20°-30°	159.0	3.1
30°-40°	345.1	6.7
40°-50°	605.2	11.7
50°-60°	959.1	18.6
60°-70°	1294.3	25.1
70°-80°	1110.5	21.5
80°-90°	444.3	8.6
90°-100°	108.1	2.1
100°-110°	38.0	0.7
110°-120°	17.4	0.3
120°-130°	9.4	0.2
130°-140°	5.3	0.1
140°-150°	2.4	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4981.5	96.5
0°-180°	5163.0	100.0



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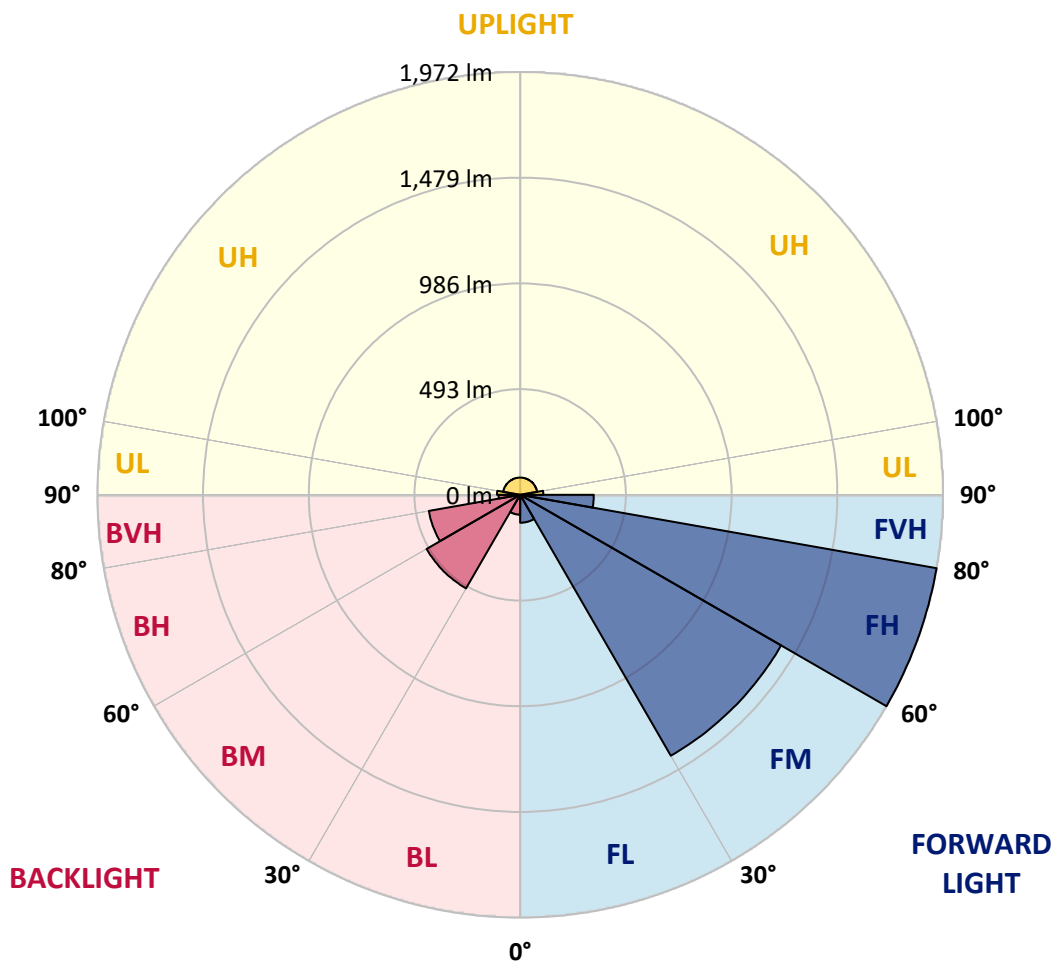
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.3	2.5			
FM	(30°-60°)	1405.3	27.2			
FH	(60°-80°)	1972.4	38.2			G2/5000
FVH	(80°-90°)	343.4	6.7			G3/500
BL	(0°-30°)	92.7	1.8	B0/110		
BM	(30°-60°)	504.2	9.8	B1/1000		
BH	(60°-80°)	432.4	8.4	B1/500		G1/500
BVH	(80°-90°)	100.9	2.0			G2/225
UL	(90°-100°)	108.1	2.1		U3/500	
UH	(100°-180°)	80.4	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°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2.5°	101.3	100.7	100.7	101.3	101.3	101.3	99.5	97.7	95.9	95.3	94.7
5°	115.1	113.9	113.9	113.9	113.3	111.5	109.1	106.7	104.3	103.1	101.9
7.5°	133.1	132.5	131.9	130.1	129.5	126.5	122.9	119.3	115.7	114.5	113.3
10°	157.7	157.1	154.1	153.5	150.5	147.5	142.1	136.7	131.9	130.1	128.3
12.5°	188.9	188.9	184.7	179.9	176.3	170.3	165.5	158.9	155.3	152.9	150.5
15°	229.7	227.3	221.9	216.5	206.9	199.7	192.5	188.9	186.5	183.5	179.9
17.5°	274.6	271.6	266.8	256.0	243.5	233.3	226.7	223.1	221.9	220.1	215.9
20°	328.6	325.0	318.4	301.6	287.8	274.0	266.2	264.4	265.6	262.6	258.4
22.5°	392.8	390.4	376.6	355.6	336.4	317.2	310.0	311.2	313.6	317.8	315.4
25°	465.9	459.9	446.7	416.7	385.0	366.4	359.2	364.6	375.4	381.4	376.6
27.5°	551.1	547.5	521.1	482.1	440.7	415.5	410.1	425.7	444.3	449.1	449.1
30°	641.0	643.4	605.0	558.9	506.7	471.9	465.3	487.5	519.3	522.3	530.1
32.5°	754.9	750.7	710.6	635.0	573.2	528.3	524.1	555.3	595.4	611.0	611.0
35°	874.3	870.1	820.9	731.6	645.8	587.6	590.6	623.6	678.2	698.0	701.0
37.5°	1011.6	997.8	944.4	833.5	725.0	656.6	651.2	701.0	765.1	793.3	793.3
40°	1162.7	1154.9	1080.5	949.2	805.9	728.0	723.8	781.3	859.3	890.5	896.5
42.5°	1309.6	1299.4	1230.4	1061.4	899.5	803.5	804.1	867.1	956.4	999.6	1007.4
45°	1464.9	1455.3	1379.8	1199.3	1000.8	897.1	889.9	968.4	1075.1	1123.1	1132.1
47.5°	1602.8	1596.2	1530.9	1336.6	1126.7	997.2	987.6	1078.1	1201.7	1255.0	1282.0
50°	1752.7	1744.3	1683.2	1482.9	1252.0	1103.9	1103.3	1200.5	1355.2	1419.9	1442.1
52.5°	1874.5	1864.9	1822.3	1629.8	1376.2	1228.6	1218.5	1337.8	1514.1	1607.0	1617.8
55°	1986.6	1983.0	1968.6	1787.5	1527.3	1351.0	1357.6	1499.1	1695.2	1800.1	1816.3
57.5°	2067.5	2072.3	2078.9	1945.8	1675.4	1487.7	1499.7	1661.0	1883.4	1981.2	2003.4
60°	2122.7	2139.5	2183.3	2083.7	1826.5	1637.0	1657.4	1821.1	2064.5	2168.9	2186.9
62.5°	2126.9	2144.9	2246.8	2212.6	1971.6	1789.9	1813.3	1986.0	2226.4	2342.2	2344.0
65°	2047.1	2071.7	2234.8	2282.2	2099.3	1936.2	1957.2	2132.9	2362.0	2464.5	2427.3
67.5°	1909.8	1935.6	2151.5	2288.2	2178.5	2050.1	2080.1	2246.8	2423.1	2500.5	2434.5
70°	1710.8	1735.9	1963.2	2197.7	2192.9	2117.3	2156.9	2293.6	2411.7	2419.5	2326.6
72.5°	1449.3	1446.9	1692.2	1999.8	2113.1	2111.9	2174.9	2258.2	2281.6	2237.8	2099.9
75°	1109.9	1141.1	1364.8	1713.8	1931.4	2016.6	2080.1	2111.9	2044.8	1909.2	1759.9
77.5°	795.1	820.9	1024.2	1351.0	1661.6	1818.7	1888.8	1873.9	1707.2	1548.3	1376.8
80°	526.5	541.5	711.2	1008.6	1339.6	1521.9	1606.4	1548.9	1337.2	1133.9	985.8
82.5°	316.0	340.6	447.3	708.8	993.6	1202.9	1254.4	1158.5	954.6	789.1	680.6
85°	191.3	196.7	278.2	453.3	693.8	865.3	914.4	811.3	627.8	492.9	409.0
87.5°	107.3	116.9	172.1	295.0	466.5	600.8	618.2	534.3	394.0	305.8	256.0
90°	63.0	69.6	105.5	182.9	297.4	388.6	393.4	323.2	233.3	184.1	163.7
92.5°	40.2	45.0	70.2	117.5	191.3	252.4	245.8	199.7	149.3	122.9	106.1
95°	28.8	31.2	49.2	81.0	128.3	158.9	156.5	125.3	100.1	85.7	78.0
97.5°	21.6	24.0	38.4	59.4	86.3	106.7	104.3	83.3	69.6	63.0	60.0
100°	18.0	19.2	31.2	46.8	64.2	76.8	75.6	61.8	52.2	47.4	46.2
102.5°	15.6	16.8	25.8	37.8	51.0	59.4	57.0	48.0	39.6	35.4	34.2
105°	13.8	14.4	22.2	32.4	42.0	46.8	46.2	38.4	30.6	26.4	25.8
107.5°	12.6	13.2	19.2	27.6	35.4	39.6	38.4	31.2	23.4	20.4	19.8
110°	11.4	12.0	16.8	24.0	30.0	33.6	31.8	25.8	18.6	15.6	15.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	10.8	10.8	15.0	20.4	25.8	28.8	27.0	21.0	14.4	12.6	13.2
115°	10.2	10.2	13.2	18.0	22.8	25.2	22.8	17.4	12.0	10.8	10.8
117.5°	9.6	9.6	12.0	16.2	20.4	22.2	19.8	15.0	10.2	9.0	9.6
120°	9.0	9.6	11.4	14.4	18.0	19.2	17.4	12.6	8.4	8.4	9.0
122.5°	9.0	9.0	10.8	13.2	16.2	16.8	15.0	10.8	7.8	7.8	7.8
125°	9.0	9.0	10.2	12.0	14.4	15.0	12.6	9.0	7.2	7.2	7.2
127.5°	9.0	9.0	9.6	11.4	12.6	13.2	11.4	8.4	6.6	6.6	7.2
130°	8.4	9.0	9.0	10.2	11.4	11.4	9.6	7.2	6.0	6.0	6.6
132.5°	8.4	8.4	9.0	9.6	10.2	10.2	8.4	6.6	5.4	6.0	6.0
135°	8.4	8.4	8.4	9.0	9.6	9.0	7.2	5.4	4.8	5.4	5.4
137.5°	7.8	7.8	7.8	8.4	8.4	7.8	6.6	4.8	4.8	4.8	4.8
140°	7.2	7.2	7.2	7.2	7.8	7.2	5.4	4.2	4.2	4.2	4.2
142.5°	6.6	6.6	6.6	6.6	6.6	6.0	4.8	3.6	3.6	3.6	3.6
145°	6.0	6.0	6.0	6.0	5.4	4.8	3.6	3.0	3.0	3.6	3.6
147.5°	4.8	4.8	4.8	4.8	4.8	4.2	3.0	2.4	3.0	3.0	3.0
150°	4.2	4.2	4.2	4.2	3.6	3.6	2.4	2.4	2.4	3.0	3.0
152.5°	3.0	3.0	3.0	3.6	3.0	2.4	1.8	1.8	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.8	2.4	2.4	2.4
157.5°	1.2	1.8	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.8	1.8
160°	0.6	0.6	1.2	1.2	1.8	1.8	1.2	1.2	1.8	1.8	1.8
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°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2.5°	94.7	94.1	93.5	92.9	92.3	92.3	91.7	91.1	90.5	89.9	89.9
5°	101.3	100.1	98.3	97.1	95.9	95.9	94.7	94.1	92.9	92.3	92.3
7.5°	111.5	110.9	107.3	105.5	103.7	103.1	101.9	100.7	99.5	99.5	99.5
10°	126.5	124.7	121.7	116.9	115.1	113.9	112.1	110.9	110.9	111.5	111.5
12.5°	149.3	144.5	140.3	133.7	130.1	127.7	126.5	127.1	130.1	131.3	130.1
15°	175.7	174.5	164.3	154.7	147.5	142.7	145.7	149.3	153.5	154.7	156.5
17.5°	212.3	208.1	194.3	180.5	167.3	164.9	168.5	174.5	179.3	182.9	185.9
20°	256.0	248.8	232.1	208.1	193.1	189.5	191.9	200.3	209.3	216.5	217.1
22.5°	311.2	300.4	270.4	240.5	218.3	212.3	215.3	228.5	241.7	250.6	250.0
25°	371.2	358.0	317.8	274.6	244.1	233.3	238.7	256.0	274.6	285.4	286.6
27.5°	438.3	425.1	369.4	307.6	267.4	251.2	260.2	280.0	305.2	318.4	320.8
30°	517.5	499.5	420.9	343.0	289.0	268.0	276.4	302.2	329.8	348.4	350.8
32.5°	599.6	571.5	472.5	371.8	304.0	278.8	288.4	318.4	350.2	370.6	374.2
35°	684.8	650.0	524.7	396.4	314.8	285.4	295.0	328.6	362.2	384.4	387.4
37.5°	780.7	734.6	572.1	414.9	320.8	287.2	296.8	330.4	364.6	386.2	389.2
40°	877.3	815.5	611.6	426.3	321.4	285.4	293.2	325.6	358.0	376.6	379.6
42.5°	981.0	900.7	651.2	429.3	318.4	280.6	287.2	316.0	343.6	358.0	359.8
45°	1097.3	999.0	684.8	426.9	310.0	273.4	278.2	302.8	324.4	331.0	334.0
47.5°	1220.3	1096.1	710.6	419.7	301.6	265.6	268.6	289.0	302.8	303.4	304.0
50°	1370.2	1214.3	742.3	409.5	290.2	258.4	260.2	276.4	283.0	280.0	278.8
52.5°	1534.5	1340.8	762.7	393.4	280.0	251.8	253.6	266.2	268.6	262.0	262.6
55°	1713.2	1458.9	780.1	377.8	269.2	247.6	251.2	261.4	261.4	253.0	252.4
57.5°	1879.9	1579.4	787.9	358.0	260.2	244.7	250.6	260.8	259.6	251.8	251.2
60°	2041.2	1677.8	778.3	338.8	254.2	243.5	254.2	265.0	263.8	257.2	256.6
62.5°	2152.7	1739.5	754.3	319.6	248.8	245.3	258.4	271.0	271.0	263.8	263.8
65°	2200.7	1732.3	705.2	300.4	244.7	246.4	264.4	277.6	276.4	270.4	269.2
67.5°	2160.5	1667.0	639.2	281.8	241.1	247.6	267.4	281.2	280.0	273.4	272.2
70°	2031.6	1529.7	559.5	265.0	236.3	245.8	268.6	280.6	278.8	272.8	270.4
72.5°	1774.9	1316.2	476.1	248.8	229.1	241.7	265.0	275.8	274.0	269.2	266.2
75°	1461.9	1061.4	393.4	230.9	220.1	233.9	257.2	266.8	264.4	260.2	257.2
77.5°	1117.7	801.7	325.0	214.1	209.3	223.7	246.4	253.6	251.2	247.6	245.8
80°	790.9	570.9	261.4	195.5	193.7	208.1	227.3	235.1	233.9	230.3	227.3
82.5°	520.5	379.6	208.7	174.5	175.7	190.7	205.1	209.3	208.7	205.7	202.1
85°	320.8	250.0	164.3	150.5	155.9	167.9	179.9	180.5	178.7	178.1	172.7
87.5°	204.5	170.9	128.9	127.7	135.5	145.7	151.1	148.7	149.9	149.9	145.7
90°	133.1	119.9	103.1	106.7	115.1	122.9	125.3	118.7	122.3	120.5	118.7
92.5°	96.5	89.3	83.9	88.7	97.1	104.3	103.1	95.9	97.7	97.7	97.1
95°	73.2	69.6	70.2	75.0	81.6	86.3	83.9	78.0	78.6	77.4	75.6
97.5°	57.6	57.0	59.4	63.0	69.0	72.0	69.6	64.2	63.6	61.8	61.2
100°	45.6	46.2	49.8	54.0	57.6	60.0	58.2	52.8	50.4	47.4	46.8
102.5°	35.4	36.6	41.4	45.0	48.6	50.4	48.6	44.4	40.2	37.2	36.6
105°	27.6	28.8	34.2	37.8	40.8	42.0	40.8	36.0	31.8	28.2	28.2
107.5°	21.6	22.8	28.2	32.4	34.2	35.4	33.6	30.0	25.2	22.2	22.2
110°	17.4	18.6	23.4	27.0	28.8	30.0	28.2	24.0	20.4	18.0	18.0



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CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.8	15.6	19.2	22.8	24.6	25.2	23.4	20.4	16.2	15.0	15.0
115°	12.0	13.2	16.2	19.2	21.0	21.0	19.8	16.8	13.2	12.6	12.6
117.5°	10.2	11.4	13.8	16.8	18.0	18.0	16.8	13.8	11.4	10.8	10.8
120°	9.6	10.2	12.0	14.4	15.6	15.6	14.4	12.0	9.6	9.6	9.6
122.5°	8.4	9.0	10.8	12.6	13.8	13.8	12.6	10.2	8.4	9.0	9.0
125°	7.8	8.4	9.6	10.8	12.0	12.0	10.8	9.0	7.8	7.8	7.8
127.5°	7.2	7.8	8.4	9.6	10.2	10.2	9.6	7.8	7.2	7.2	7.2
130°	6.6	7.2	7.8	8.4	9.0	9.0	7.8	6.6	6.6	6.6	6.6
132.5°	6.6	6.6	6.6	7.2	7.8	7.8	7.2	6.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	6.6	6.6	6.0	5.4	5.4	5.4	5.4
137.5°	5.4	5.4	5.4	5.4	6.0	6.0	5.4	4.8	4.8	4.8	4.8
140°	4.8	4.8	4.8	4.2	4.8	4.8	4.2	4.2	4.2	4.2	4.2
142.5°	3.6	4.2	3.6	3.6	3.6	3.6	3.6	3.0	3.6	3.6	3.6
145°	3.6	3.6	3.6	3.0	3.0	3.0	3.0	2.4	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	2.4	1.8	2.4	1.8	2.4	2.4	2.4	2.4
150°	3.0	3.0	2.4	2.4	1.8	1.2	1.2	1.8	1.8	1.8	1.8
152.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.2
155°	2.4	2.4	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	1.8	1.8	1.8	1.2	1.2	0.6	0.0	0.6	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.2	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)