

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: P415773

Luminaire Tested: **LXF.LXT-PA1-60-722-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-722-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5200.1 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

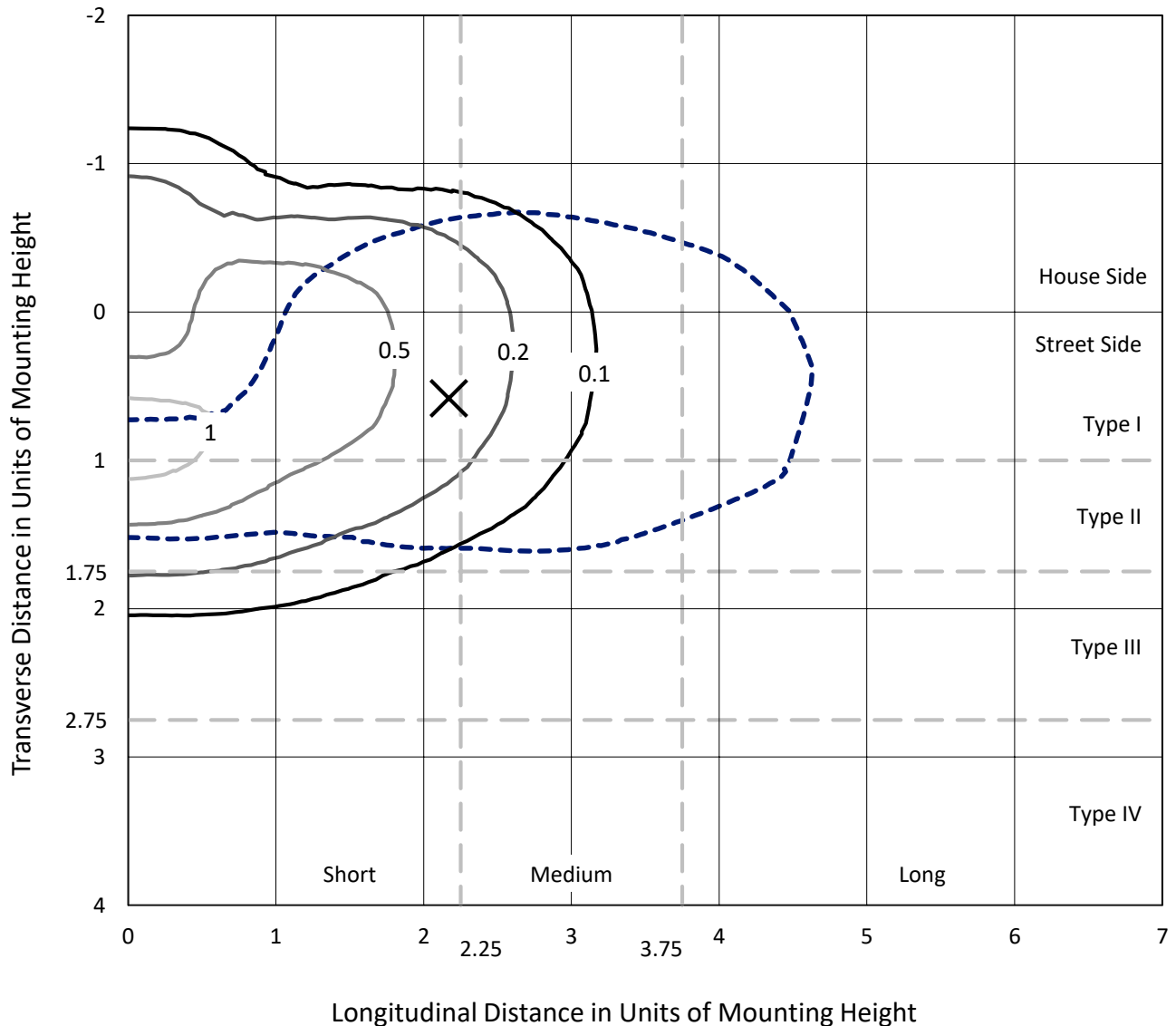
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

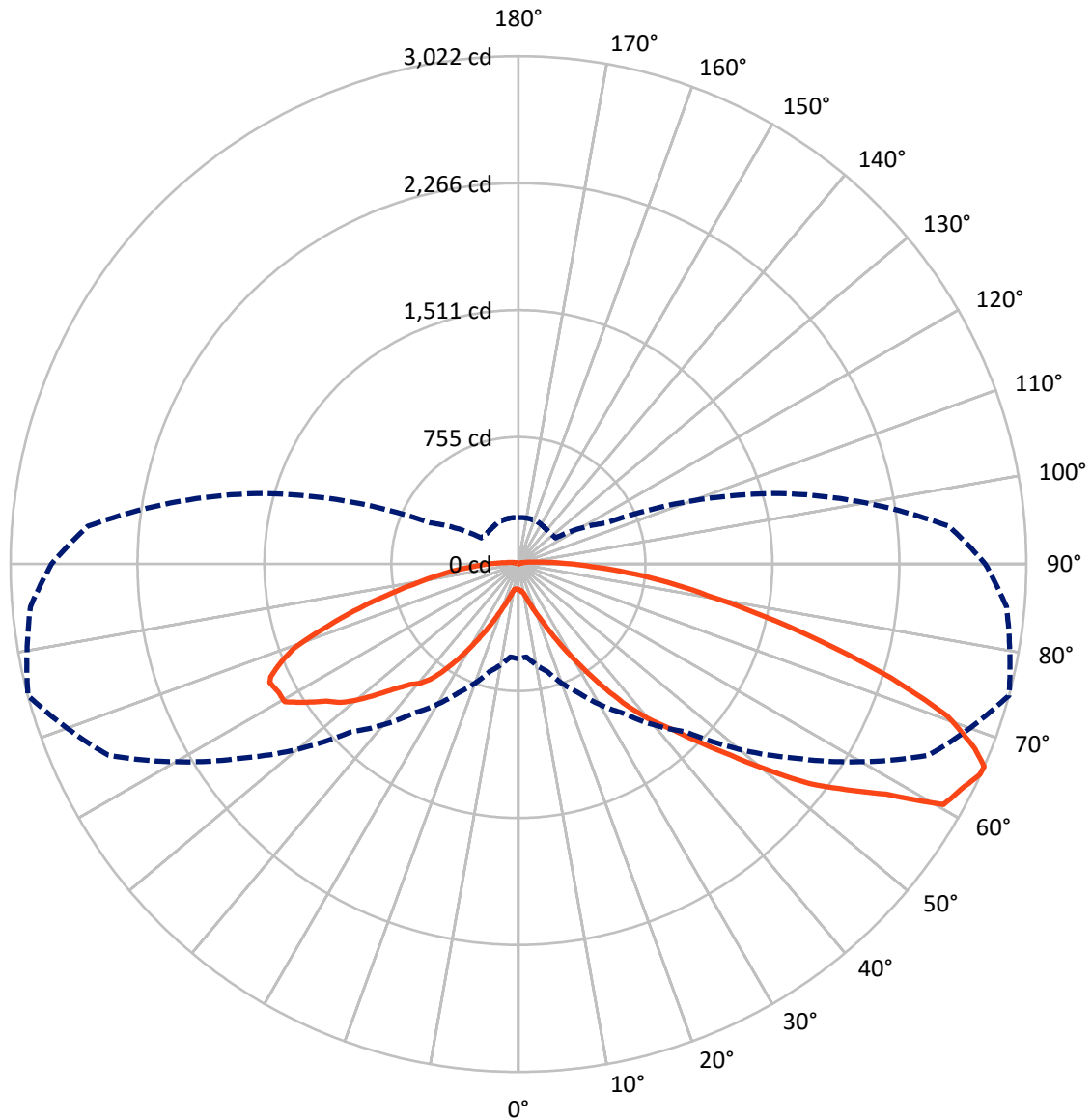
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1476.9	72.1	1549.1
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	3579.7	71.3	3651.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	5056.6	143.5	5200.1
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	65.3	1.3
20°-30°	198.2	3.8
30°-40°	490.2	9.4
40°-50°	885.2	17.0
50°-60°	1196.1	23.0
60°-70°	1200.7	23.1
70°-80°	725.2	13.9
80°-90°	280.3	5.4
90°-100°	83.3	1.6
100°-110°	30.1	0.6
110°-120°	14.6	0.3
120°-130°	8.6	0.2
130°-140°	5.1	0.1
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5056.6	97.2
0°-180°	5200.1	100.0



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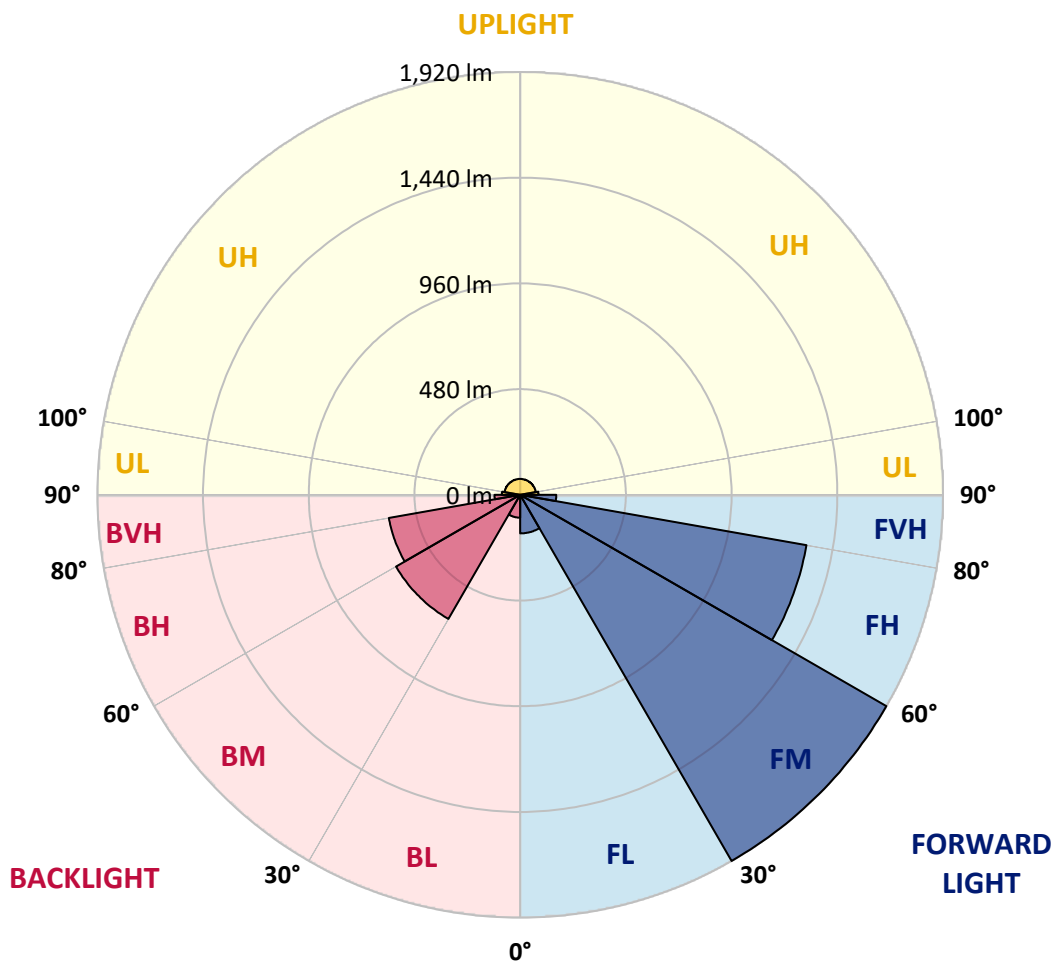
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.2	3.4			
FM (30°-60°)	1920.4	36.9			
FH (60°-80°)	1320.3	25.4			G1/1800
FVH (80°-90°)	163.7	3.1			G2/225
BL (0°-30°)	103.8	2.0	B0/110		
BM (30°-60°)	651.0	12.5	B1/1000		
BH (60°-80°)	605.5	11.6	B2/1000		G2/1000
BVH (80°-90°)	116.6	2.2			G2/225
UL (90°-100°)	83.3	1.6		U3/500	
UH (100°-180°)	72.1	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5
2.5°	169.1	167.9	166.7	165.5	164.3	163.1	160.7	157.7	155.3	155.3	152.9
5°	184.7	183.5	181.7	179.3	176.9	174.5	169.7	164.9	160.1	160.1	155.9
7.5°	203.9	203.3	200.9	197.9	192.5	187.1	181.1	173.9	167.3	166.7	161.3
10°	228.5	227.3	223.7	219.5	213.5	206.3	197.9	188.9	179.3	178.7	172.1
12.5°	262.7	260.3	254.3	247.7	236.3	229.1	219.5	211.1	203.9	202.1	193.1
15°	307.0	304.0	297.4	286.0	271.1	257.9	252.5	243.5	235.7	233.3	224.9
17.5°	364.0	361.0	349.6	331.6	316.0	302.8	290.8	281.8	275.3	274.7	262.7
20°	442.0	434.8	416.2	391.0	370.6	354.4	337.6	327.4	320.8	318.4	311.2
22.5°	537.9	536.1	509.7	476.7	443.2	413.8	395.2	383.8	379.0	379.6	375.4
25°	660.2	654.8	629.7	581.7	531.3	494.1	468.3	461.1	460.6	456.4	454.6
27.5°	791.0	783.8	750.8	704.6	638.1	587.7	558.9	551.1	552.9	548.1	551.7
30°	951.1	947.5	899.5	832.3	760.4	694.4	664.4	657.8	662.0	668.0	664.4
32.5°	1149.0	1154.4	1089.0	998.5	897.7	821.6	788.6	786.2	792.2	791.0	789.2
35°	1390.0	1399.6	1309.1	1199.3	1060.8	970.3	928.9	925.9	937.9	936.7	937.9
37.5°	1647.9	1652.1	1578.3	1404.4	1243.1	1117.8	1083.6	1080.0	1091.4	1084.8	1078.2
40°	1851.2	1871.0	1784.6	1635.3	1424.8	1297.1	1255.7	1235.9	1225.7	1218.5	1170.6
42.5°	2043.7	2031.7	1970.5	1804.4	1611.3	1472.2	1417.0	1379.9	1346.9	1342.1	1289.3
45°	2169.6	2154.6	2096.5	1942.9	1761.8	1646.7	1595.7	1550.8	1513.6	1496.8	1433.2
47.5°	2176.8	2169.6	2155.8	2040.7	1882.4	1782.2	1765.4	1741.5	1700.7	1701.3	1619.7
50°	2067.1	2055.7	2095.9	2052.1	1942.3	1889.6	1953.1	1979.5	1927.4	1922.0	1837.4
52.5°	1872.8	1866.8	1939.9	1983.1	1944.1	1964.5	2115.7	2211.6	2170.8	2149.2	2040.1
55°	1676.1	1683.3	1746.9	1816.4	1880.6	1986.1	2259.6	2450.9	2370.5	2356.1	2220.0
57.5°	1408.0	1432.0	1526.8	1635.9	1736.7	1956.1	2335.1	2602.6	2582.2	2576.8	2460.5
60°	1114.2	1111.8	1252.1	1411.0	1576.5	1857.2	2339.3	2793.3	2906.6	2880.8	2716.5
62.5°	865.3	871.3	972.1	1171.2	1393.0	1706.7	2281.8	2878.4	2954.0	2924.6	2781.3
65°	626.7	636.3	759.2	919.9	1170.6	1503.4	2118.1	2762.7	3018.2	3000.2	2919.2
66°	563.1	554.7	662.6	844.9	1083.0	1413.4	2014.9	2692.5	3021.8	3011.6	2915.0
67.5°	452.8	463.5	546.9	705.8	942.1	1270.1	1828.4	2580.4	2928.2	2914.4	2849.7
70°	335.2	345.4	402.4	529.5	714.8	1012.9	1511.8	2229.0	2707.5	2717.7	2710.5
72.5°	248.3	259.1	298.0	389.8	528.9	753.2	1198.1	1878.8	2315.3	2339.3	2322.5
75°	193.1	197.3	229.7	293.8	386.8	530.7	886.3	1456.0	1884.8	1929.2	1944.7
77.5°	155.3	158.9	185.3	226.7	289.6	387.4	621.3	1085.4	1492.0	1523.2	1552.6
80°	125.3	127.7	149.3	182.3	221.9	277.0	419.2	788.6	1144.8	1162.8	1205.9
82.5°	100.7	102.5	118.1	146.3	177.5	210.5	298.0	550.5	898.9	915.7	970.3
85°	79.2	80.4	94.1	116.3	142.7	166.7	215.3	389.2	647.6	663.2	729.2
87.5°	62.4	63.6	74.4	90.6	115.1	131.9	158.9	262.1	437.2	459.4	534.3
90°	49.2	49.8	57.6	70.2	89.4	107.3	124.7	182.9	291.4	304.0	346.0
92.5°	37.2	37.8	43.8	53.4	69.6	85.2	95.3	126.5	186.5	191.9	221.9
95°	27.6	28.2	33.0	39.0	52.2	66.6	73.8	88.8	117.5	124.7	132.5
97.5°	21.6	22.2	25.2	28.8	38.4	52.2	58.8	65.4	80.4	82.8	88.8
100°	18.6	18.6	20.4	22.8	28.8	40.8	46.2	51.6	60.6	60.6	64.2
102.5°	15.6	15.6	16.8	18.0	23.4	32.4	37.2	40.8	45.6	46.2	49.2
105°	13.8	13.8	14.4	15.6	19.8	26.4	30.6	32.4	35.4	35.4	36.6
107.5°	12.0	12.0	12.6	13.2	17.4	22.2	24.6	25.2	26.4	26.4	28.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	11.4	11.4	11.4	12.0	15.0	19.2	20.4	19.8	20.4	20.4	22.2
112.5°	10.8	10.2	10.2	10.8	13.8	16.8	16.8	16.2	16.2	16.2	18.0
115°	10.2	10.2	9.6	10.2	12.6	14.4	14.4	13.2	13.2	13.2	15.0
117.5°	10.2	10.2	9.6	9.6	11.4	13.2	12.6	11.4	10.8	11.4	13.2
120°	10.2	10.2	9.0	9.0	10.8	11.4	11.4	9.6	9.6	9.6	11.4
122.5°	10.2	10.2	9.0	9.0	10.2	10.8	10.2	8.4	8.4	8.4	10.2
125°	10.8	10.2	9.0	9.0	9.6	9.6	9.0	7.8	7.2	7.2	9.0
127.5°	10.8	10.8	9.6	9.0	9.0	9.0	8.4	7.2	6.6	6.6	8.4
130°	12.0	11.4	10.2	9.0	8.4	7.8	7.2	6.6	6.6	6.6	7.8
132.5°	12.0	12.0	10.2	8.4	7.8	7.2	6.6	5.4	6.0	6.0	7.2
135°	11.4	10.8	9.0	7.8	7.2	6.0	5.4	4.8	5.4	5.4	6.6
137.5°	10.2	9.6	8.4	6.6	6.0	4.8	4.2	3.6	4.2	4.2	5.4
140°	8.4	8.4	6.6	5.4	4.8	4.2	3.6	2.4	3.0	3.6	4.2
142.5°	7.2	6.6	5.4	4.2	3.6	3.0	2.4	1.8	2.4	2.4	3.0
145°	6.0	5.4	4.2	3.0	2.4	1.8	1.2	1.2	1.2	1.2	1.8
147.5°	4.8	4.2	3.0	1.8	1.2	1.2	0.6	0.6	1.2	1.2	1.2
150°	3.6	3.6	2.4	1.2	0.6	0.6	0.0	0.6	0.6	0.6	0.6
152.5°	3.0	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5
2.5°	152.3	151.1	149.9	148.7	147.5	146.9	145.1	143.9	143.9	143.9	143.3
5°	154.1	151.7	148.7	146.3	143.3	140.9	139.1	137.3	136.1	136.1	136.1
7.5°	158.3	155.9	150.5	145.7	141.5	137.9	135.5	133.7	133.1	132.5	132.5
10°	167.9	163.7	156.5	149.3	143.3	138.5	136.1	134.9	134.3	134.3	134.3
12.5°	189.5	183.5	172.7	160.7	150.5	143.3	140.9	140.9	144.5	146.3	146.3
15°	218.3	212.9	200.3	183.5	167.3	155.3	153.5	157.7	162.5	164.9	164.3
17.5°	257.9	250.7	233.9	211.7	190.1	178.1	172.7	176.9	182.9	185.9	185.9
20°	304.6	297.4	274.7	244.7	218.3	205.1	196.7	196.7	204.5	206.9	208.1
22.5°	368.8	358.0	325.6	284.2	250.1	229.7	219.5	217.7	226.7	230.9	229.7
25°	440.8	432.4	394.6	332.8	288.4	255.5	241.7	241.7	253.1	262.7	263.3
27.5°	541.5	520.5	467.7	392.2	325.6	279.4	264.5	267.5	279.4	289.0	289.0
30°	647.0	632.1	554.7	455.2	361.6	301.6	280.0	284.8	295.6	306.4	306.4
32.5°	774.8	749.6	654.2	517.5	394.6	316.0	288.4	295.0	307.6	318.4	318.4
35°	899.5	879.1	754.4	582.9	423.4	322.0	292.0	299.8	314.2	327.4	328.6
37.5°	1044.6	1000.3	852.1	641.7	444.4	323.2	290.8	304.6	323.8	338.8	339.4
40°	1131.6	1078.2	918.1	685.4	454.0	319.0	290.8	308.2	324.4	329.8	329.2
42.5°	1234.7	1167.6	964.3	690.8	442.0	310.6	290.2	304.0	311.2	311.2	310.6
45°	1373.3	1297.7	1037.4	693.8	417.4	300.4	285.4	294.4	292.6	287.2	285.4
47.5°	1543.0	1451.2	1130.4	704.6	393.4	290.2	280.0	282.4	274.1	262.1	261.5
50°	1745.7	1637.7	1239.5	716.0	372.4	281.8	275.3	272.9	264.5	254.3	253.1
52.5°	1935.7	1805.6	1338.5	723.8	355.0	276.4	271.7	271.1	262.7	249.5	248.3
55°	2107.9	1951.9	1405.0	708.8	339.4	274.1	271.7	272.3	261.5	248.3	246.5
57.5°	2356.7	2185.8	1510.6	686.6	320.8	273.5	273.5	274.1	260.9	248.3	246.5
60°	2573.2	2383.1	1614.3	684.8	302.8	272.9	274.1	273.5	263.9	256.1	254.3
62.5°	2647.6	2466.5	1619.1	641.7	291.4	269.9	271.7	274.7	272.9	269.3	267.5
65°	2787.9	2590.0	1639.5	593.1	275.3	264.5	268.7	276.4	277.6	275.3	273.5
66°	2777.7	2572.6	1619.7	578.1	269.9	261.5	266.9	275.3	277.6	277.0	275.9
67.5°	2727.3	2527.6	1554.4	535.5	262.1	256.1	263.9	272.3	277.6	279.4	278.2
70°	2591.2	2392.1	1424.2	471.3	247.1	243.5	254.3	265.1	274.1	277.0	276.4
72.5°	2208.0	2018.5	1191.6	402.4	226.1	225.5	238.1	251.3	262.1	265.1	263.9
75°	1853.6	1667.1	978.7	331.6	204.5	205.1	217.1	229.7	238.1	238.1	238.7
77.5°	1486.0	1328.3	775.4	275.3	182.3	182.3	190.7	200.9	206.3	203.9	200.3
80°	1143.0	1038.6	605.7	230.3	160.1	158.9	163.1	170.9	175.1	169.7	165.5
82.5°	922.9	832.9	479.1	191.9	138.5	137.3	139.1	144.5	146.9	140.9	139.1
85°	700.4	619.5	360.4	157.7	119.9	116.9	119.9	121.1	124.1	118.7	115.1
87.5°	495.3	439.0	261.5	131.3	102.5	100.7	100.1	101.3	103.1	99.5	97.7
90°	332.8	292.0	188.9	109.7	87.6	84.6	83.4	83.4	84.6	78.6	76.8
92.5°	213.5	188.9	131.3	87.6	73.2	69.6	67.2	67.8	67.2	61.2	60.0
95°	133.1	120.5	94.7	69.0	58.8	55.8	53.4	52.8	52.2	48.0	46.8
97.5°	87.0	82.8	70.8	54.6	46.8	44.4	43.2	42.6	42.6	39.6	37.8
100°	64.8	63.0	55.8	45.6	38.4	36.6	35.4	35.4	36.6	34.2	33.0
102.5°	50.4	51.0	45.6	38.4	32.4	31.2	30.0	30.0	31.2	30.0	29.4
105°	38.4	38.4	37.2	31.8	27.6	27.0	25.8	25.8	27.0	27.0	27.0
107.5°	30.0	31.2	30.0	26.4	24.0	23.4	22.2	22.2	23.4	24.0	24.6



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CATALOG NUMBER: LXF.LXT-PA1-60-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.0	25.2	24.6	22.8	21.0	20.4	19.2	18.6	19.8	21.6	21.6
112.5°	19.2	20.4	20.4	19.2	18.0	18.0	16.8	16.2	17.4	19.2	19.2
115°	16.2	17.4	17.4	16.8	16.2	15.6	14.4	13.8	15.0	16.8	17.4
117.5°	13.8	15.0	15.0	15.0	14.4	13.8	12.6	12.0	12.6	14.4	15.0
120°	12.6	13.2	13.2	13.2	12.6	12.6	11.4	10.8	11.4	13.2	13.2
122.5°	10.8	11.4	12.0	12.0	11.4	11.4	10.2	9.0	9.6	11.4	12.0
125°	9.6	10.2	10.8	10.8	10.2	10.2	9.0	8.4	9.0	10.2	10.8
127.5°	9.0	9.6	9.6	9.6	9.6	9.0	7.8	7.2	7.8	9.6	9.6
130°	8.4	9.0	9.0	9.0	8.4	7.8	7.2	6.6	7.2	9.0	9.0
132.5°	7.8	8.4	8.4	7.8	7.8	7.2	6.0	5.4	6.6	7.8	7.8
135°	6.6	7.2	7.2	7.2	6.6	6.0	5.4	4.8	6.0	6.6	6.6
137.5°	5.4	6.0	6.0	6.0	5.4	4.8	4.2	4.2	4.8	6.0	6.0
140°	4.2	4.8	4.8	4.8	4.2	4.2	3.6	3.0	4.2	4.8	4.8
142.5°	3.0	3.6	3.6	3.6	3.0	3.0	2.4	2.4	3.6	4.2	4.2
145°	1.8	2.4	2.4	2.4	2.4	1.8	1.8	1.8	2.4	3.0	3.0
147.5°	1.2	1.8	1.8	1.8	1.8	1.2	0.6	1.2	1.8	2.4	2.4
150°	0.6	1.2	1.2	1.2	1.2	0.6	0.0	0.6	1.2	1.8	1.8
152.5°	0.6	0.6	1.2	1.2	0.6	0.6	0.0	0.0	0.6	0.6	0.6
155°	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.0
157.5°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)