

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: P415888

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6318 lumens
Efficiency: N/A
Efficacy: 98.7 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: B2 - U3 - G3

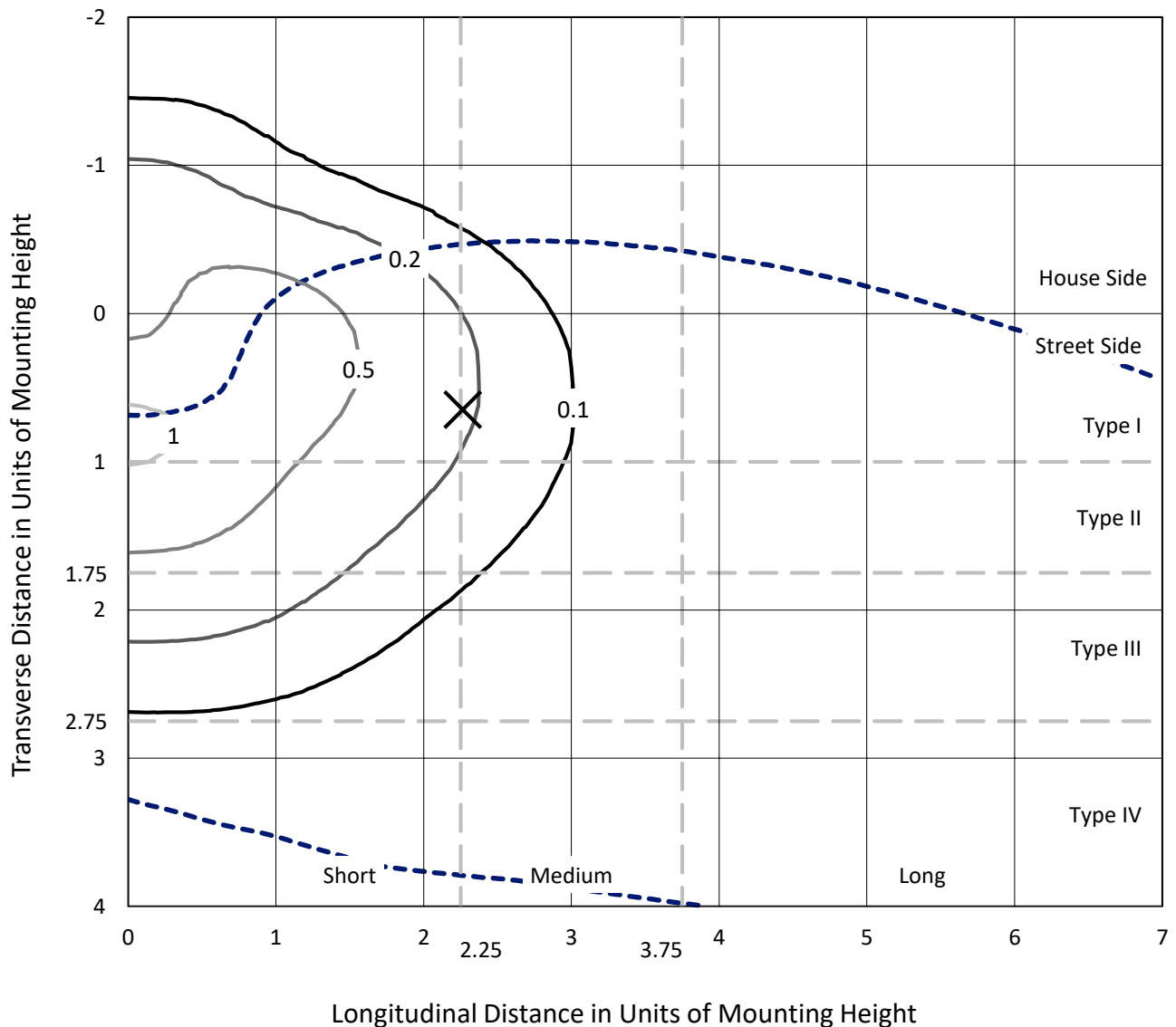
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

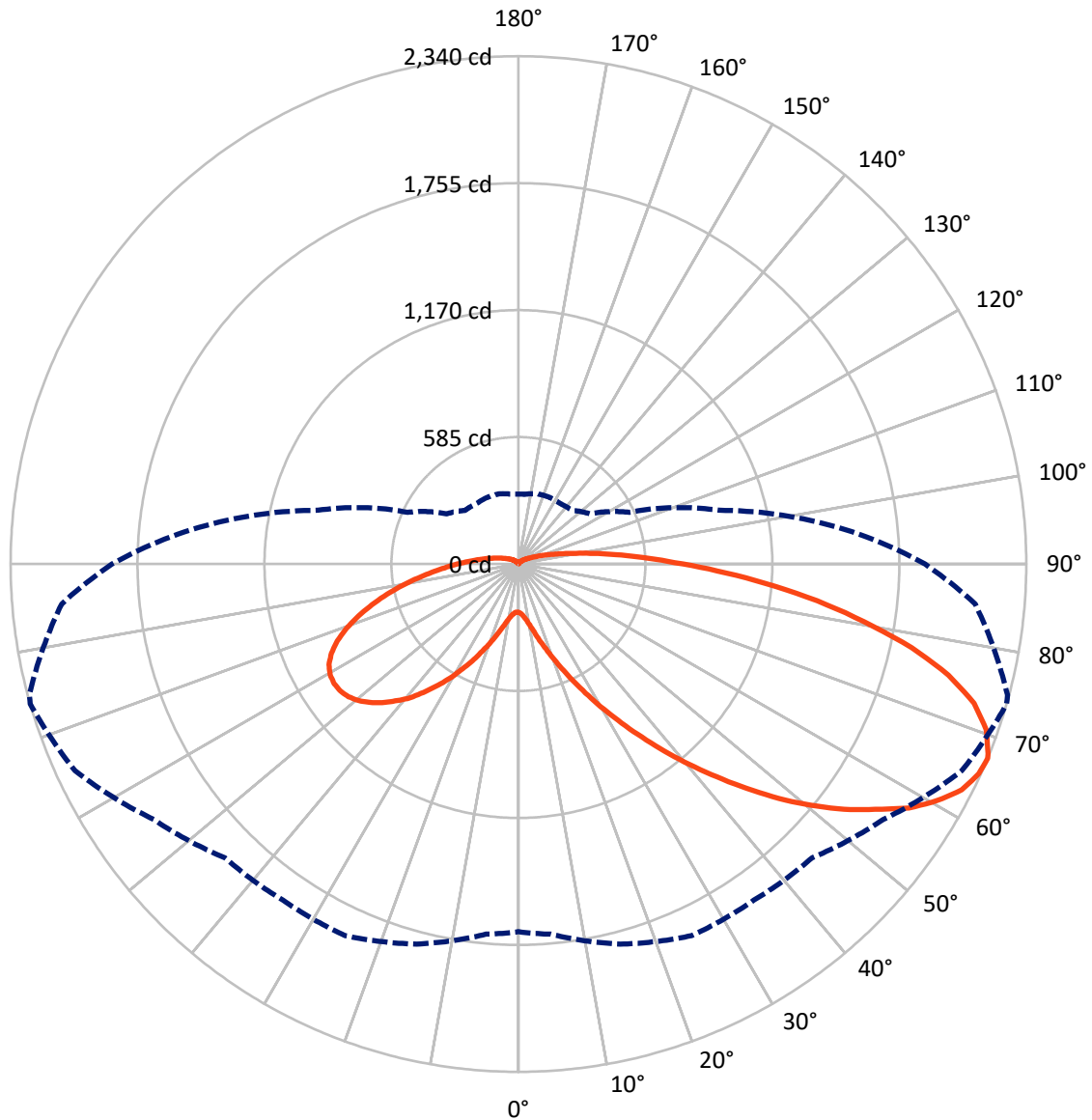


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1523.0	188.3	1711.3
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4278.7	327.9	4606.7
	% Fixture	67.7	5.2	72.9
Total	Lumens	5801.7	516.3	6318.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.4
10°-20°	97.0	1.5
20°-30°	245.4	3.9
30°-40°	492.4	7.8
40°-50°	826.6	13.1
50°-60°	1159.7	18.4
60°-70°	1296.1	20.5
70°-80°	1057.4	16.7
80°-90°	603.6	9.6
90°-100°	275.9	4.4
100°-110°	126.3	2.0
110°-120°	62.2	1.0
120°-130°	31.7	0.5
130°-140°	14.7	0.2
140°-150°	4.8	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5801.7	91.8
0°-180°	6318.0	100.0



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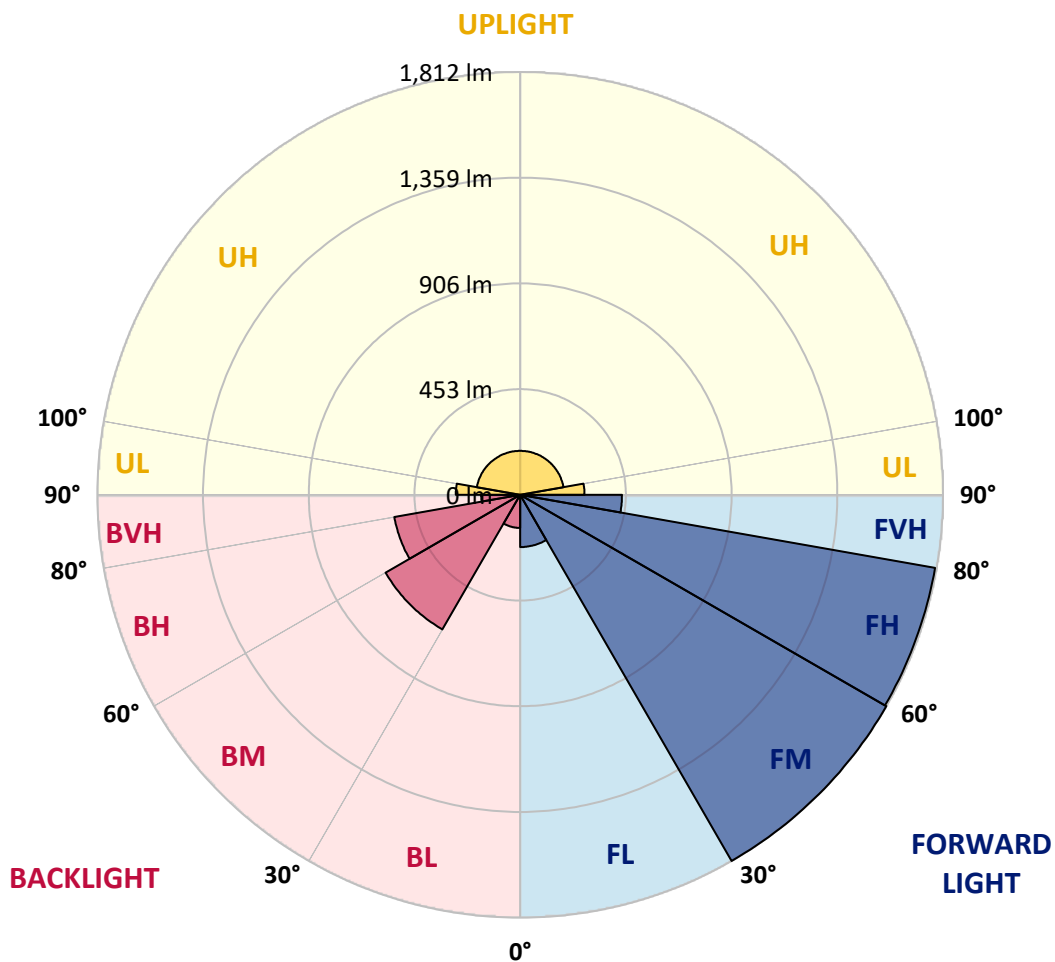
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.9	3.5			
FM	(30°-60°)	1812.5	28.7			
FH	(60°-80°)	1805.9	28.6			G2/5000
FVH	(80°-90°)	436.4	6.9			G3/500
BL	(0°-30°)	141.9	2.2	B1/500		
BM	(30°-60°)	666.2	10.5	B1/1000		
BH	(60°-80°)	547.6	8.7	B2/1000		G2/1000
BVH	(80°-90°)	167.2	2.6			G2/225
UL	(90°-100°)	275.9	4.4		U3/500	
UH	(100°-180°)	188.3	3.0		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
2.5°	242.2	240.7	240.7	239.2	238.5	235.5	233.3	230.3	228.8	228.1	225.8
5°	264.5	262.2	262.2	260.8	257.8	254.1	248.9	245.9	240.7	241.4	234.8
7.5°	291.2	290.5	289.0	286.0	282.3	277.8	272.6	266.0	260.0	260.0	251.8
10°	326.9	322.4	322.4	318.7	315.0	308.3	300.9	293.4	285.3	284.5	273.4
12.5°	370.0	369.2	364.8	359.6	353.6	346.9	335.1	327.6	319.5	318.7	306.8
15°	420.5	418.3	412.3	410.1	401.2	389.3	379.6	372.2	364.0	361.1	345.5
17.5°	479.9	476.9	474.7	463.6	456.1	446.5	435.3	425.7	411.6	410.1	393.0
20°	549.8	543.1	536.4	527.5	515.6	506.7	494.8	485.9	469.5	469.5	446.5
22.5°	623.3	621.8	615.9	601.0	584.7	575.8	564.6	546.8	533.4	529.7	504.4
25°	712.5	711.0	699.1	683.5	666.4	653.0	635.2	615.9	604.7	604.0	575.8
27.5°	813.5	815.7	794.9	774.9	751.8	730.3	711.0	701.3	686.4	684.2	651.5
30°	935.3	925.7	904.1	875.1	843.2	815.7	795.7	786.0	776.3	775.6	736.2
32.5°	1059.4	1048.2	1029.7	989.6	945.0	902.6	893.0	884.8	873.7	867.7	828.3
35°	1196.8	1187.9	1161.2	1108.4	1049.0	1002.9	982.9	984.4	979.2	976.2	928.6
37.5°	1348.4	1332.8	1296.4	1245.1	1157.5	1107.7	1084.6	1097.3	1094.3	1088.4	1038.6
40°	1491.0	1488.8	1450.2	1370.7	1282.3	1211.7	1196.1	1217.6	1213.9	1206.5	1151.5
42.5°	1655.9	1639.6	1596.5	1507.4	1400.4	1322.4	1305.3	1337.2	1341.7	1343.2	1269.6
45°	1797.1	1789.7	1748.8	1646.3	1523.0	1438.3	1424.2	1458.3	1473.2	1474.7	1393.7
47.5°	1934.5	1931.6	1890.0	1783.7	1642.6	1552.7	1534.1	1583.1	1614.3	1607.7	1511.8
50°	2037.8	2043.0	2009.6	1908.5	1761.4	1654.5	1658.9	1719.1	1748.1	1744.4	1638.1
52.5°	2126.2	2118.8	2104.7	2008.8	1855.8	1757.7	1762.9	1835.0	1878.1	1875.8	1757.7
55°	2158.9	2156.7	2158.2	2080.1	1933.1	1842.4	1858.0	1959.8	1995.5	1991.0	1855.0
57.5°	2152.2	2150.7	2173.8	2122.5	1995.5	1909.3	1944.9	2062.3	2121.0	2115.1	1957.6
60°	2101.7	2095.0	2144.8	2126.2	2020.7	1950.9	2013.3	2152.2	2215.4	2213.9	2041.5
62.5°	1988.0	1998.4	2067.5	2084.6	2013.3	1972.4	2054.1	2222.0	2292.6	2287.4	2101.7
65°	1829.8	1855.8	1939.0	1998.4	1962.8	1953.1	2069.0	2253.2	2331.3	2330.5	2123.2
67°	1694.6	1712.4	1813.4	1889.2	1891.4	1913.7	2051.9	2254.0	2340.2	2333.5	2112.8
67.5°	1647.0	1670.8	1773.3	1865.4	1875.1	1902.6	2045.2	2252.5	2334.2	2330.5	2107.6
70°	1431.6	1459.1	1571.3	1687.1	1746.6	1806.0	1984.3	2210.9	2286.7	2278.5	2047.5
72.5°	1213.2	1251.8	1358.0	1495.5	1582.4	1680.5	1878.8	2106.9	2196.0	2179.0	1930.1
75°	1003.7	1029.7	1132.9	1281.5	1394.4	1527.4	1734.7	1966.5	2046.7	2032.6	1780.8
77.5°	800.1	823.9	923.4	1072.8	1200.5	1349.9	1566.1	1790.4	1852.8	1844.6	1591.3
80°	631.5	648.6	744.4	877.4	1008.9	1168.6	1373.6	1574.2	1615.1	1621.0	1382.6
82.5°	485.9	508.2	591.4	708.7	832.8	985.1	1163.4	1341.0	1386.3	1371.4	1168.6
85°	371.5	390.0	464.3	563.9	687.9	816.5	975.4	1121.1	1141.1	1124.0	947.2
87.5°	290.5	304.6	362.5	459.1	557.9	667.9	794.9	906.3	916.8	913.8	758.5
90°	225.1	237.7	286.0	362.5	453.2	547.5	647.1	725.1	719.9	724.3	598.0
92.5°	176.8	183.5	227.3	294.9	370.7	446.5	522.3	574.3	573.5	560.9	466.5
95°	143.4	147.1	185.0	241.4	302.4	362.5	419.0	452.4	450.9	437.6	364.0
97.5°	115.9	118.1	150.8	198.4	249.6	296.4	337.3	361.1	349.2	344.0	285.3
100°	95.1	96.6	124.8	165.7	208.0	248.1	277.1	286.8	270.4	267.4	224.4
102.5°	81.0	81.7	105.5	140.4	173.8	204.3	225.8	230.3	211.0	212.5	176.8
105°	69.1	69.8	88.4	119.6	147.8	170.9	186.5	184.2	168.6	166.4	141.2
107.5°	60.2	60.9	75.8	102.5	127.0	146.4	154.5	149.3	135.2	132.2	113.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	52.7	53.5	65.4	87.7	109.2	125.6	130.0	121.8	109.2	106.2	93.6
112.5°	47.5	47.5	57.2	75.8	95.1	108.5	110.0	101.8	87.7	86.2	78.0
115°	43.1	43.1	50.5	65.4	82.5	92.9	92.9	83.2	72.1	71.3	65.4
117.5°	39.4	39.4	44.6	57.2	71.3	80.2	78.7	69.8	60.2	59.4	56.5
120°	36.4	36.4	40.1	49.8	61.7	68.3	66.9	57.9	50.5	49.8	48.3
122.5°	33.4	34.2	36.4	43.8	53.5	58.7	57.2	49.8	43.1	42.3	42.3
125°	31.2	31.2	32.7	37.9	46.1	50.5	48.3	40.9	36.4	36.4	36.4
127.5°	29.0	29.0	29.7	33.4	39.4	42.3	40.1	34.2	31.9	31.2	31.9
130°	26.7	26.7	27.5	29.0	33.4	34.9	32.7	29.0	26.7	26.7	27.5
132.5°	24.5	24.5	24.5	25.3	27.5	29.0	26.7	23.8	23.0	23.0	23.8
135°	22.3	23.0	22.3	22.3	23.0	23.0	20.8	19.3	19.3	20.1	20.8
137.5°	20.1	20.1	19.3	18.6	18.6	17.8	16.3	15.6	16.3	16.3	17.1
140°	17.8	17.8	17.1	15.6	14.1	13.4	12.6	11.9	13.4	13.4	14.1
142.5°	15.6	15.6	14.1	12.6	10.4	8.9	8.2	8.9	10.4	10.4	11.1
145°	12.6	12.6	11.9	10.4	7.4	5.9	5.2	6.7	7.4	7.4	8.2
147.5°	10.4	9.7	8.9	7.4	5.2	3.7	3.0	4.5	5.2	5.2	5.9
150°	7.4	7.4	6.7	5.2	3.0	1.5	1.5	2.2	3.0	3.0	3.7
152.5°	5.2	5.2	4.5	3.0	1.5	0.0	0.7	1.5	1.5	1.5	2.2
155°	3.0	3.0	3.0	2.2	0.7	0.0	0.0	0.7	0.7	0.7	1.5
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	1.5	0.7	0.7	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°	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
2.5°	224.4	222.9	221.4	219.2	217.7	216.2	214.7	214.0	214.0	213.2	214.0
5°	232.5	230.3	225.8	222.1	217.7	214.7	211.7	210.2	208.8	208.0	208.0
7.5°	247.4	244.4	237.0	230.3	223.6	218.4	214.7	211.0	209.5	208.8	208.8
10°	268.9	264.5	253.3	243.7	234.0	227.3	220.6	216.9	214.7	213.2	213.2
12.5°	299.4	292.0	277.8	261.5	248.9	240.0	231.8	228.1	227.3	227.3	227.3
15°	340.3	329.9	308.3	289.0	270.4	254.8	248.9	248.9	248.1	247.4	248.1
17.5°	382.6	370.7	344.0	319.5	296.4	280.8	271.2	268.9	268.2	267.4	268.2
20°	433.1	418.3	387.1	353.6	324.7	309.8	296.4	290.5	289.7	290.5	289.0
22.5°	490.3	474.0	427.9	387.8	355.9	335.1	319.5	311.3	312.8	312.8	312.0
25°	559.4	534.2	479.9	425.7	387.1	358.1	340.3	332.1	332.8	334.3	335.8
27.5°	629.2	600.3	531.2	465.1	414.5	381.1	360.3	351.4	350.7	355.1	354.4
30°	711.0	673.8	587.6	505.2	439.8	397.5	375.9	368.5	367.7	371.5	372.2
32.5°	798.6	752.6	646.3	545.3	462.1	411.6	387.1	381.9	380.4	384.1	384.8
35°	894.5	835.8	703.5	580.2	480.7	421.2	396.0	390.0	387.8	391.5	393.0
37.5°	987.3	919.0	762.2	611.4	495.5	427.2	399.7	395.2	392.3	394.5	395.2
40°	1085.4	1012.6	821.7	639.6	504.4	430.1	401.2	396.7	393.7	393.7	393.7
42.5°	1193.1	1098.8	869.9	659.7	509.6	429.4	399.7	394.5	390.8	387.8	387.8
45°	1303.8	1191.6	919.7	676.0	510.4	425.7	396.0	391.5	385.6	379.6	378.9
47.5°	1411.5	1275.6	963.6	685.0	508.2	420.5	390.8	384.8	379.6	370.7	370.7
50°	1516.3	1359.5	1000.0	689.4	501.5	414.5	385.6	379.6	372.9	361.1	359.6
52.5°	1612.1	1436.0	1027.4	687.9	491.8	406.4	378.9	373.7	365.5	351.4	351.4
55°	1706.5	1506.6	1044.5	678.3	479.9	397.5	372.9	367.7	358.8	344.0	342.5
57.5°	1783.7	1557.1	1051.2	663.4	466.5	387.8	367.0	361.8	353.6	337.3	337.3
60°	1849.1	1599.5	1046.8	644.1	451.7	378.9	359.6	356.6	349.2	333.6	333.6
62.5°	1887.0	1616.6	1029.7	619.6	434.6	369.2	352.9	351.4	344.7	329.9	329.9
65°	1895.2	1605.4	994.8	589.1	417.5	358.1	345.5	344.7	340.3	326.1	324.7
67°	1872.9	1576.5	956.1	563.1	402.7	349.2	338.8	338.8	335.1	322.4	321.7
67.5°	1864.7	1565.3	945.7	556.4	399.7	347.7	337.3	338.0	334.3	321.7	319.5
70°	1793.4	1490.3	881.8	518.6	378.9	334.3	327.6	328.4	325.4	315.7	313.5
72.5°	1682.7	1382.6	806.8	482.1	358.1	320.9	314.3	317.2	314.3	306.8	302.4
75°	1533.4	1251.1	728.8	440.5	337.3	304.6	300.1	301.6	300.9	293.4	289.7
77.5°	1357.3	1106.2	645.6	401.9	314.3	288.2	283.8	286.0	284.5	277.8	273.4
80°	1166.4	953.2	565.4	363.3	290.5	269.7	265.2	266.0	265.2	258.5	252.6
82.5°	979.2	803.1	483.6	325.4	267.4	249.6	244.4	243.7	242.2	234.8	230.3
85°	808.3	659.7	413.1	289.0	243.7	227.3	222.9	219.9	217.7	209.5	206.5
87.5°	644.1	539.4	349.2	257.8	219.9	206.5	200.6	195.4	191.7	184.2	181.3
90°	514.1	434.6	297.9	225.8	198.4	186.5	178.3	171.6	167.2	159.0	154.5
92.5°	407.9	346.2	250.4	198.4	177.6	167.2	159.7	151.6	145.6	135.2	133.0
95°	323.2	278.6	211.0	173.8	157.5	148.6	141.9	133.0	124.8	114.4	112.2
97.5°	255.6	227.3	177.6	152.3	138.9	131.5	124.8	115.9	107.0	96.6	95.1
100°	204.3	182.8	152.3	133.0	124.1	116.6	110.0	101.8	90.6	80.2	80.2
102.5°	164.2	150.1	127.8	116.6	109.2	103.3	97.3	89.1	77.3	66.1	66.1
105°	133.0	124.1	110.0	101.8	96.6	92.1	86.2	76.5	64.6	55.7	55.7
107.5°	109.2	102.5	94.3	88.4	85.4	81.0	75.8	66.1	55.0	46.8	46.8



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CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	90.6	86.2	80.2	78.0	75.8	72.1	66.1	57.2	46.1	40.1	40.1
112.5°	75.8	73.5	69.1	68.3	66.9	63.9	57.9	49.0	38.6	34.9	34.9
115°	64.6	63.1	60.2	60.2	58.7	56.5	50.5	42.3	33.4	29.7	30.5
117.5°	55.0	54.2	52.7	52.7	52.0	49.8	43.8	36.4	28.2	26.7	26.7
120°	48.3	47.5	46.8	46.1	46.1	43.1	37.9	30.5	24.5	23.8	23.8
122.5°	41.6	41.6	40.9	40.9	40.1	37.1	32.7	26.0	21.5	20.8	20.8
125°	36.4	36.4	35.7	35.7	34.9	32.7	28.2	22.3	18.6	18.6	18.6
127.5°	31.9	31.9	31.2	31.2	30.5	27.5	23.8	18.6	16.3	16.3	17.1
130°	28.2	28.2	27.5	26.7	26.0	23.8	19.3	15.6	14.1	14.9	14.9
132.5°	24.5	23.8	23.8	23.0	21.5	19.3	16.3	13.4	12.6	13.4	13.4
135°	20.8	20.8	20.1	19.3	17.8	16.3	13.4	11.1	11.1	11.9	11.9
137.5°	17.8	17.8	17.1	15.6	14.9	12.6	10.4	8.9	9.7	10.4	10.4
140°	14.1	14.9	14.1	12.6	11.1	9.7	8.2	7.4	8.2	8.9	9.7
142.5°	11.9	11.9	11.1	9.7	8.2	6.7	5.9	5.9	7.4	8.2	8.2
145°	8.9	8.9	8.2	7.4	5.2	4.5	3.7	5.2	5.9	6.7	6.7
147.5°	5.9	5.9	5.9	4.5	3.0	2.2	2.2	3.7	5.2	5.2	5.2
150°	3.7	3.7	3.7	3.0	1.5	0.7	1.5	3.0	3.7	4.5	4.5
152.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	2.2	3.0	3.0	3.0
155°	1.5	1.5	1.5	0.7	0.7	0.0	0.7	1.5	2.2	2.2	2.2
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.7	0.7
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

(END OF REPORT)