

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: P416573

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6126 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: B2 - U3 - G4

Input Watts (W): 74
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

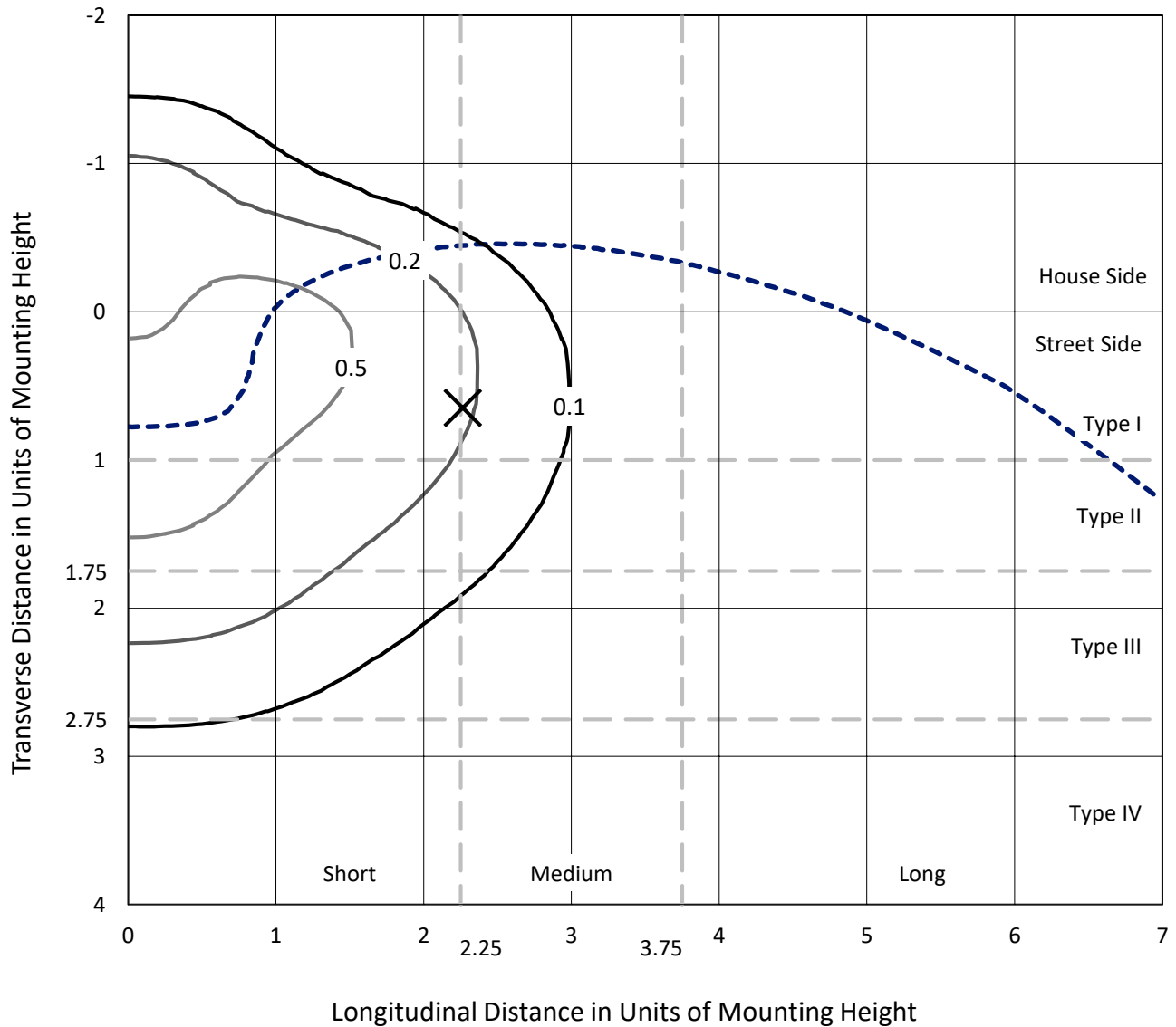


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

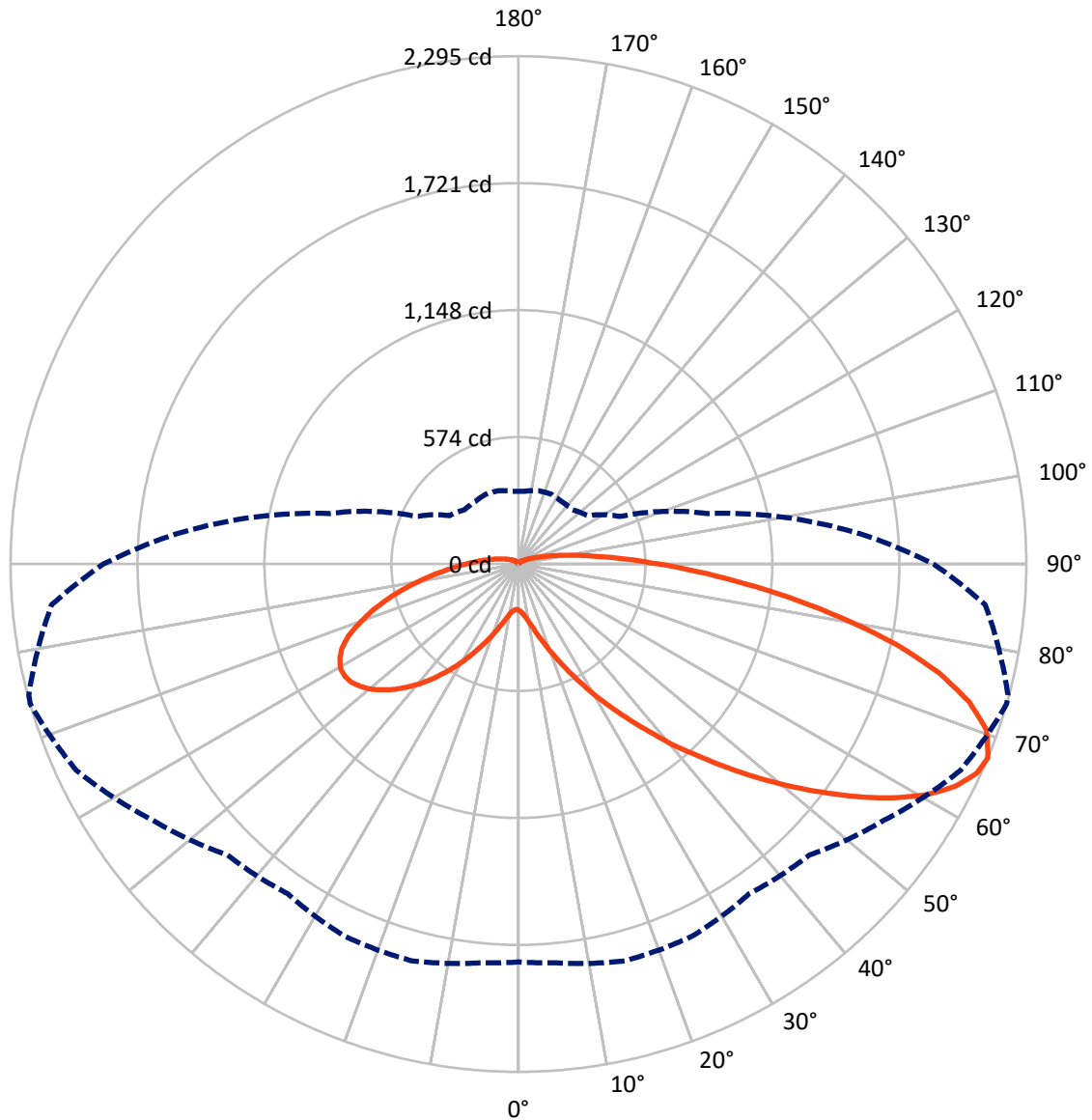


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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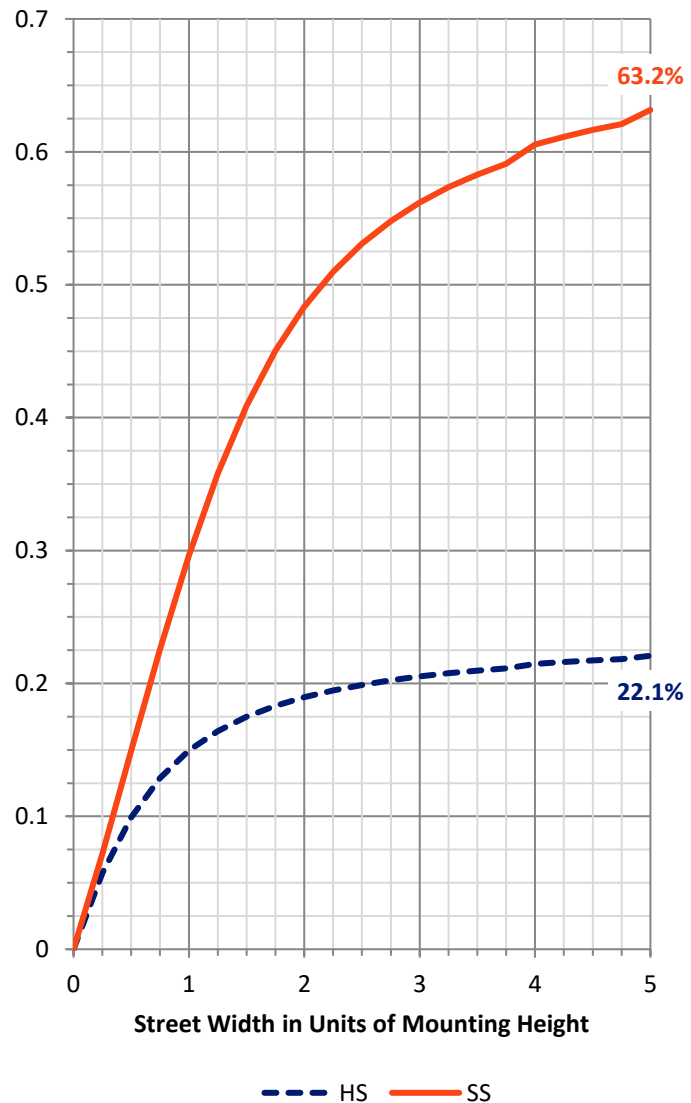
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1428.5	171.7	1600.2
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4134.1	391.7	4525.8
	% Fixture	67.5	6.4	73.9
Total	Lumens	5562.6	563.4	6126.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.4
10°-20°	89.3	1.5
20°-30°	221.7	3.6
30°-40°	432.9	7.1
40°-50°	716.0	11.7
50°-60°	1037.7	16.9
60°-70°	1256.0	20.5
70°-80°	1116.6	18.2
80°-90°	670.7	10.9
90°-100°	307.9	5.0
100°-110°	137.1	2.2
110°-120°	65.4	1.1
120°-130°	32.4	0.5
130°-140°	14.8	0.2
140°-150°	4.9	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5562.6	90.8
0°-180°	6126.0	100.0



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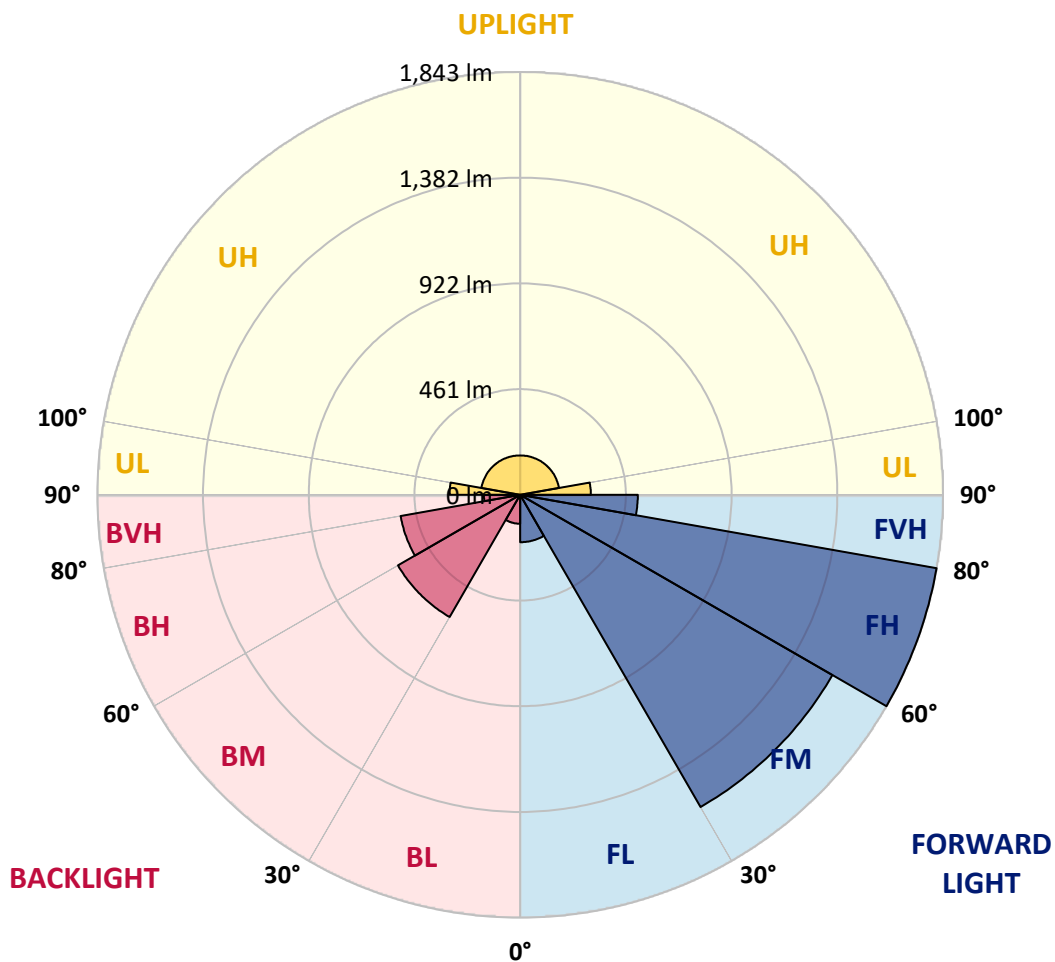
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.6	3.4			
FM	(30°-60°)	1571.7	25.7			
FH	(60°-80°)	1843.2	30.1			G2/5000
FVH	(80°-90°)	512.7	8.4			G4/750
BL	(0°-30°)	126.2	2.1	B1/500		
BM	(30°-60°)	614.9	10.0	B1/1000		
BH	(60°-80°)	529.4	8.6	B2/1000		G2/1000
BVH	(80°-90°)	158.1	2.6			G2/225
UL	(90°-100°)	307.9	5.0		U3/500	
UH	(100°-180°)	171.7	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6
2.5°	230.5	228.3	228.3	226.8	226.1	223.9	222.5	217.4	215.2	215.2	211.6
5°	255.2	253.7	250.8	250.8	247.9	245.0	239.2	232.6	227.5	226.8	220.3
7.5°	285.7	282.1	282.1	278.4	274.1	269.0	261.0	252.3	244.3	243.5	233.4
10°	320.6	319.1	317.7	312.6	306.8	296.6	289.3	277.0	267.5	266.8	253.0
12.5°	363.5	361.3	356.9	351.9	341.7	334.4	321.3	307.5	295.2	295.9	279.9
15°	410.0	408.6	405.7	397.7	386.0	375.9	362.8	348.2	335.9	330.8	314.1
17.5°	463.1	460.2	456.5	447.8	434.7	424.6	407.1	393.3	377.3	378.0	354.0
20°	525.6	522.7	517.6	503.8	492.2	478.4	460.2	444.9	426.7	425.3	401.3
22.5°	587.4	588.9	576.5	562.0	551.1	535.1	517.6	498.0	482.0	480.5	452.9
25°	663.7	658.6	646.3	629.6	612.8	593.2	578.0	560.5	545.2	543.8	511.1
27.5°	743.7	739.3	722.6	701.5	679.0	657.2	644.1	625.9	614.3	612.1	578.7
30°	830.9	823.7	808.4	780.1	748.8	724.1	711.0	704.4	693.5	690.6	656.5
32.5°	929.1	919.6	897.1	862.9	817.9	790.2	784.4	778.6	774.2	769.9	737.9
35°	1026.5	1023.6	990.2	948.0	903.6	867.3	857.1	866.6	863.7	860.7	826.6
37.5°	1129.0	1134.1	1097.7	1042.5	981.4	942.9	935.6	953.1	961.1	961.1	920.4
40°	1249.7	1245.3	1209.0	1141.4	1070.1	1025.0	1027.2	1053.4	1073.0	1068.7	1028.7
42.5°	1369.6	1360.2	1312.2	1246.1	1155.9	1110.8	1110.8	1150.8	1180.6	1181.4	1139.2
45°	1487.4	1477.2	1432.2	1345.6	1247.5	1198.8	1209.0	1257.7	1306.4	1299.8	1258.4
47.5°	1595.0	1590.6	1544.1	1451.8	1341.3	1290.4	1310.8	1383.5	1436.5	1436.5	1390.7
50°	1700.4	1694.6	1651.0	1547.0	1435.8	1385.6	1416.2	1504.9	1572.5	1576.1	1523.0
52.5°	1791.3	1787.7	1746.9	1643.7	1528.8	1478.0	1523.8	1635.0	1712.8	1720.8	1664.8
55°	1856.7	1858.9	1827.6	1729.5	1613.2	1571.0	1633.5	1764.4	1856.7	1858.2	1797.8
57.5°	1904.7	1907.6	1886.5	1801.5	1687.3	1655.3	1739.7	1889.4	1994.1	2000.7	1921.4
60°	1925.1	1930.1	1923.6	1852.4	1753.5	1733.1	1834.9	2001.4	2117.7	2119.9	2024.7
62.5°	1914.2	1919.2	1932.3	1881.4	1801.5	1800.7	1927.2	2098.8	2214.4	2217.3	2103.2
65°	1864.7	1872.7	1905.4	1881.4	1818.9	1842.9	1988.3	2173.7	2277.6	2281.3	2133.7
67°	1798.6	1808.7	1856.7	1856.0	1818.9	1859.6	2018.1	2204.9	2295.1	2290.7	2117.7
67.5°	1783.3	1793.5	1841.5	1848.7	1813.8	1861.8	2021.7	2208.6	2288.5	2287.8	2107.5
70°	1653.9	1672.1	1741.9	1776.8	1776.0	1844.4	2020.3	2189.0	2244.2	2236.9	2022.5
72.5°	1504.9	1527.4	1612.5	1679.3	1701.1	1789.8	1967.2	2111.2	2129.3	2120.6	1863.3
75°	1351.5	1363.8	1452.5	1547.8	1603.0	1697.5	1867.6	1987.6	1962.1	1941.0	1664.1
77.5°	1189.3	1194.4	1293.3	1400.2	1467.1	1576.1	1719.3	1806.6	1744.0	1726.6	1437.2
80°	1001.1	1022.1	1121.0	1232.2	1315.1	1414.0	1534.7	1587.0	1482.3	1466.3	1195.9
82.5°	846.9	860.0	950.2	1059.2	1152.3	1245.3	1323.8	1337.7	1227.9	1216.2	961.1
85°	691.4	703.0	797.5	898.6	985.8	1063.6	1115.9	1095.6	981.4	969.1	759.7
87.5°	572.1	580.9	646.3	748.8	825.9	881.8	909.5	884.0	775.0	757.5	586.7
90°	453.6	466.7	525.6	612.1	690.6	727.0	729.9	687.7	598.3	585.2	449.3
92.5°	366.4	375.1	431.1	503.1	564.9	592.5	585.2	549.6	467.5	452.2	347.5
95°	296.6	303.9	350.4	413.7	463.8	489.3	468.9	421.7	356.9	351.1	268.3
97.5°	246.4	247.9	284.3	341.0	380.9	394.0	378.0	335.1	279.2	267.5	205.7
100°	201.4	202.8	233.4	276.3	312.6	321.3	305.3	263.9	216.6	209.4	161.4
102.5°	163.6	167.2	190.5	229.0	255.9	262.4	245.7	209.4	167.2	162.1	125.8
105°	138.9	139.6	159.9	189.0	213.0	218.1	201.4	170.1	131.6	128.7	100.3
107.5°	117.8	117.8	133.8	159.2	178.1	181.0	167.9	138.9	104.0	101.1	81.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	101.1	101.8	113.4	133.8	151.2	153.4	140.3	111.2	82.9	80.7	66.2
112.5°	88.0	89.4	97.4	113.4	128.7	130.9	117.8	90.9	67.6	64.7	55.3
115°	77.8	78.5	84.3	97.4	109.8	111.2	98.1	74.9	54.5	52.3	46.5
117.5°	69.1	69.8	74.2	85.1	94.5	95.2	82.1	61.8	45.8	43.6	40.7
120°	62.5	62.5	66.2	73.4	81.4	81.4	69.1	50.9	37.8	37.1	34.9
122.5°	56.7	56.7	58.9	64.0	69.8	68.3	57.4	42.2	32.0	31.3	30.5
125°	51.6	51.6	53.1	56.0	59.6	57.4	47.3	34.9	27.6	26.9	26.9
127.5°	46.5	46.5	47.3	49.4	50.2	48.0	39.3	29.1	24.0	23.3	24.0
130°	42.2	42.2	42.2	42.2	42.2	40.7	32.0	24.0	20.4	20.4	21.1
132.5°	37.8	37.8	37.1	36.3	35.6	32.7	26.2	19.6	18.2	18.2	18.9
135°	33.4	33.4	32.7	31.3	29.1	25.4	19.6	16.0	15.3	15.3	16.0
137.5°	29.1	29.1	28.4	26.2	23.3	19.6	15.3	13.1	13.1	13.1	13.8
140°	24.7	24.7	24.0	21.8	18.2	14.5	11.6	10.2	10.9	10.9	11.6
142.5°	21.1	20.4	19.6	17.4	13.8	10.2	8.0	8.0	8.7	8.7	9.5
145°	16.7	16.0	15.3	13.1	10.2	7.3	5.8	5.8	6.5	6.5	7.3
147.5°	13.1	12.4	11.6	9.5	7.3	5.1	3.6	4.4	5.1	5.1	5.1
150°	8.7	8.7	8.7	7.3	4.4	2.9	2.2	2.9	2.9	2.9	3.6
152.5°	5.8	5.8	5.8	4.4	2.9	1.5	1.5	1.5	2.2	2.2	2.2
155°	3.6	3.6	3.6	2.9	1.5	0.7	0.7	0.7	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6
2.5°	210.1	208.6	205.7	203.6	201.4	199.2	197.0	195.6	193.4	193.4	193.4
5°	217.4	213.7	207.9	203.6	198.5	194.8	190.5	187.6	185.4	184.7	184.7
7.5°	229.7	224.6	215.9	207.2	199.9	194.1	189.0	185.4	182.5	181.7	181.7
10°	247.2	240.6	226.8	216.6	207.2	199.2	192.7	187.6	185.4	183.9	183.9
12.5°	272.6	263.9	247.9	230.5	218.1	207.9	199.9	197.7	197.7	198.5	197.7
15°	303.2	294.4	272.6	252.3	234.1	222.5	218.1	218.1	217.4	218.8	218.8
17.5°	341.7	329.3	303.2	276.3	255.2	244.3	239.9	238.5	239.9	242.1	240.6
20°	387.5	369.3	336.6	303.2	280.6	269.7	262.4	261.0	263.2	264.6	265.3
22.5°	435.5	415.8	374.4	331.5	308.2	293.7	285.7	283.5	287.2	290.8	291.5
25°	490.0	468.2	415.1	365.7	333.0	313.3	306.1	305.3	311.1	316.2	316.2
27.5°	556.1	527.1	459.5	402.7	360.6	334.4	326.4	327.1	335.1	339.5	341.0
30°	625.2	592.5	510.3	436.9	382.4	351.1	342.4	346.0	354.0	362.8	364.2
32.5°	703.0	664.5	559.8	471.1	402.0	364.2	354.8	362.0	370.8	380.9	382.4
35°	784.4	732.8	610.7	502.3	418.0	374.4	363.5	372.2	383.1	392.6	395.5
37.5°	876.7	815.7	665.9	527.8	430.4	380.2	368.6	378.8	391.1	400.6	401.3
40°	971.3	900.7	718.3	551.8	439.1	383.8	371.5	381.7	393.3	401.3	402.0
42.5°	1070.1	987.2	767.0	571.4	443.5	383.8	370.0	380.2	391.1	395.5	396.2
45°	1185.7	1078.8	817.1	585.2	444.9	382.4	367.9	375.9	383.8	385.3	387.5
47.5°	1302.0	1169.7	860.0	595.4	444.2	378.8	364.2	370.8	375.9	374.4	376.6
50°	1424.9	1268.6	901.5	601.9	440.6	375.1	359.1	364.9	366.4	362.0	362.0
52.5°	1542.7	1354.4	933.4	602.7	435.5	370.8	355.5	359.9	359.1	351.1	351.9
55°	1660.4	1446.0	960.3	596.1	428.2	366.4	351.9	354.8	352.6	343.1	341.7
57.5°	1761.5	1520.1	972.0	586.7	420.2	362.0	349.7	352.6	348.2	337.3	336.6
60°	1847.3	1577.6	972.7	573.6	410.7	358.4	347.5	351.1	347.5	334.4	333.0
62.5°	1900.3	1603.7	953.8	553.2	401.3	354.0	347.5	350.4	346.0	333.0	332.2
65°	1909.1	1590.6	923.3	530.0	390.4	349.7	346.0	349.7	345.3	331.5	330.1
67°	1874.9	1552.8	881.8	508.2	380.9	346.0	343.1	348.2	343.1	330.1	327.9
67.5°	1863.3	1535.4	872.4	505.3	378.8	344.6	342.4	346.8	342.4	329.3	327.1
70°	1761.5	1440.2	801.1	473.3	364.9	337.3	337.3	341.0	336.6	324.2	320.6
72.5°	1604.5	1306.4	729.9	442.7	349.7	326.4	328.6	332.2	327.9	316.2	311.9
75°	1422.7	1155.9	650.7	407.1	332.2	315.5	317.0	320.6	316.2	303.9	300.2
77.5°	1220.6	982.2	570.7	374.4	314.1	301.0	301.7	303.9	300.2	287.9	284.3
80°	1004.0	809.9	489.3	337.3	293.0	282.8	283.5	283.5	278.4	268.3	265.3
82.5°	809.1	657.9	417.3	304.6	269.7	262.4	262.4	261.7	255.2	246.4	242.1
85°	629.6	530.7	349.7	271.2	246.4	239.9	239.2	236.3	229.7	220.3	215.2
87.5°	493.6	420.2	294.4	239.2	223.2	218.8	214.5	207.9	202.8	194.8	190.5
90°	385.3	333.7	248.6	210.1	200.6	194.8	190.5	182.5	174.5	166.5	164.3
92.5°	301.7	263.9	207.2	183.2	177.4	173.0	167.2	158.5	151.2	141.8	142.5
95°	239.2	214.5	176.7	161.4	157.0	153.4	146.1	136.7	128.7	120.0	118.5
97.5°	187.6	170.8	148.3	140.3	138.9	134.5	127.2	117.8	109.0	99.6	99.6
100°	149.0	139.6	125.0	123.6	120.7	117.8	110.5	101.8	90.9	82.9	82.9
102.5°	120.0	112.0	106.9	106.9	106.1	103.2	96.0	87.2	76.3	68.3	68.3
105°	96.0	93.1	90.9	93.1	93.8	90.9	83.6	74.2	63.2	56.0	57.4
107.5°	80.0	77.8	77.8	80.7	82.1	79.2	72.7	62.5	52.3	47.3	47.3



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CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	66.2	65.4	66.9	70.5	71.2	69.1	62.5	53.1	43.6	39.3	40.0
112.5°	56.0	55.3	58.2	61.8	62.5	60.3	53.8	45.1	36.3	33.4	33.4
115°	47.3	48.0	50.2	53.1	54.5	52.3	46.5	38.5	29.8	28.4	28.4
117.5°	40.7	41.4	43.6	47.3	48.0	45.1	39.3	32.0	25.4	24.7	24.7
120°	35.6	36.3	38.5	40.7	41.4	38.5	33.4	26.9	21.8	21.1	21.1
122.5°	31.3	32.7	34.2	35.6	36.3	33.4	29.1	22.5	18.2	18.2	18.9
125°	27.6	28.4	29.8	31.3	31.3	28.4	24.0	18.9	16.0	16.0	16.0
127.5°	24.7	24.7	25.4	26.9	26.9	24.7	20.4	15.3	13.8	13.8	14.5
130°	21.8	22.5	22.5	22.5	22.5	20.4	16.7	13.1	11.6	12.4	12.4
132.5°	18.9	19.6	19.6	19.6	18.9	16.7	13.8	10.9	10.2	10.9	10.9
135°	16.7	16.7	16.7	16.7	15.3	13.8	10.9	8.7	8.7	9.5	9.5
137.5°	14.5	14.5	14.5	13.8	12.4	10.9	8.7	7.3	7.3	8.0	8.0
140°	11.6	12.4	11.6	10.9	9.5	8.0	6.5	5.8	6.5	6.5	6.5
142.5°	9.5	9.5	9.5	8.7	7.3	5.8	5.1	4.4	5.1	5.1	5.8
145°	7.3	7.3	7.3	6.5	5.1	3.6	3.6	3.6	4.4	4.4	4.4
147.5°	5.1	5.1	5.1	4.4	2.9	2.2	2.2	2.2	2.9	2.9	2.9
150°	3.6	3.6	3.6	2.9	1.5	0.7	0.7	1.5	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	1.5	1.5	0.7	0.7
155°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	0.0	0.0
157.5°	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0
160°	0.7	0.7	0.7	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)