

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: P416157

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416157  
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-PA1-60-830-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA 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: 5463 lumens  
Efficiency: N/A  
Efficacy: 85.4 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

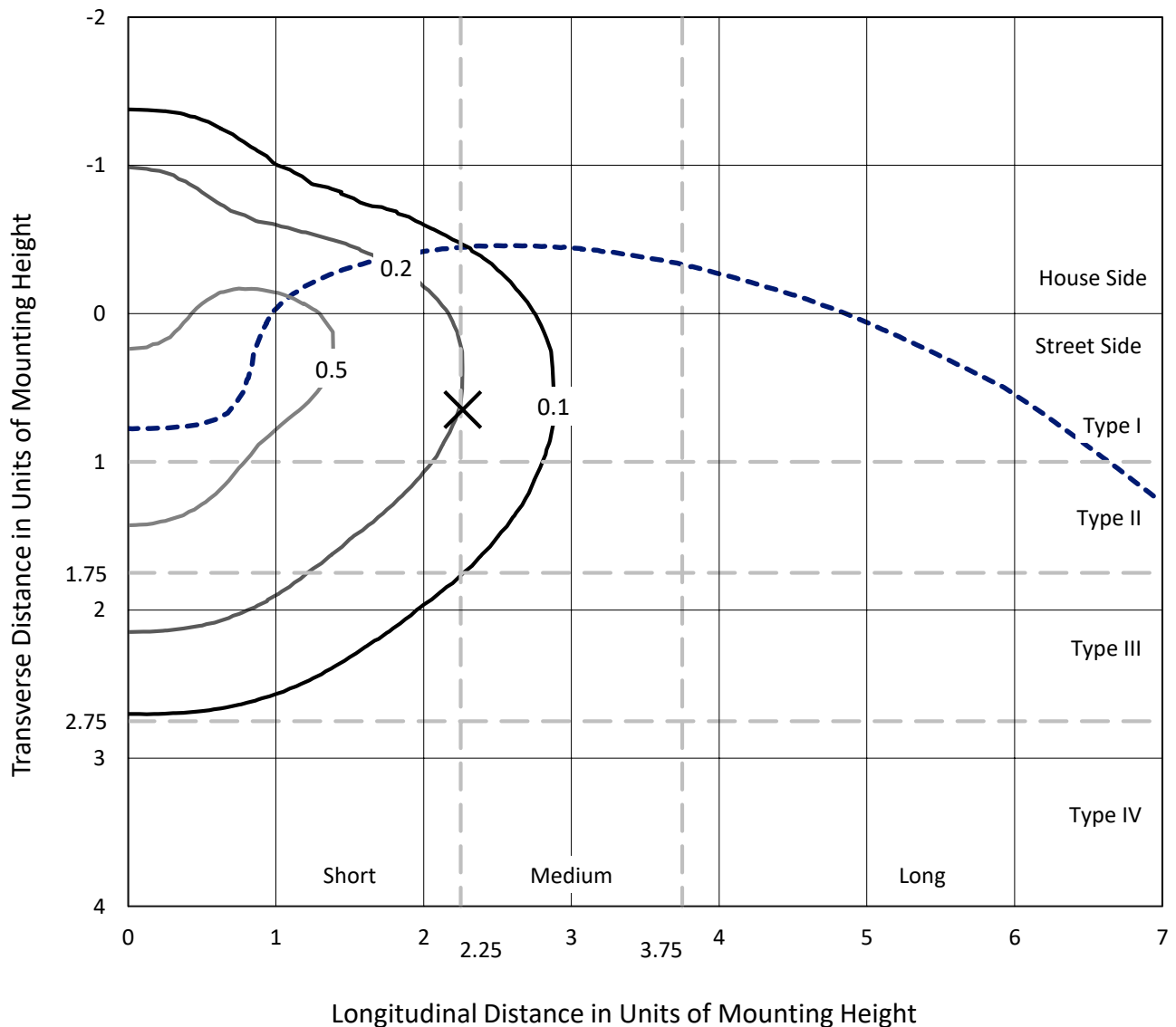


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

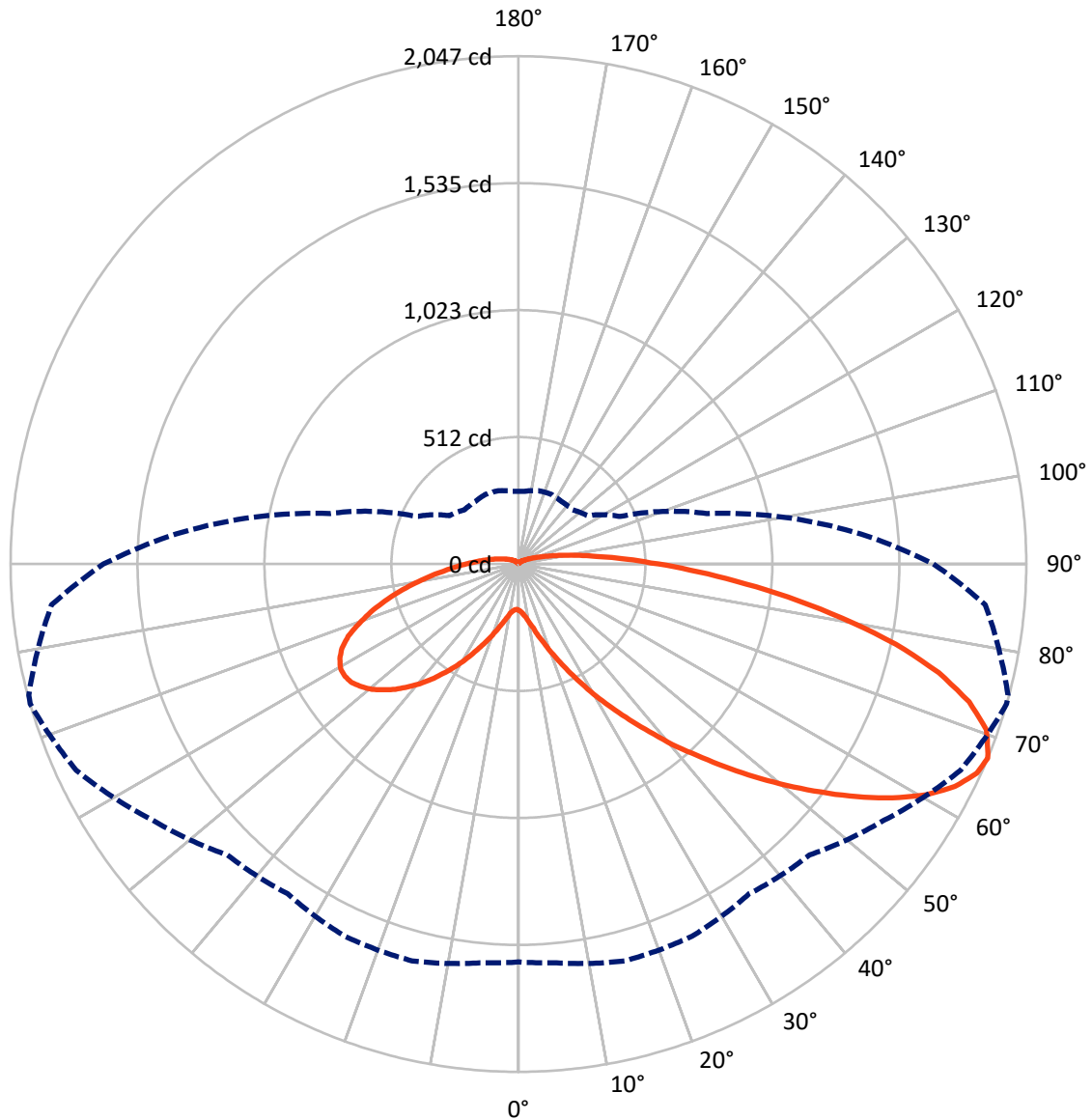


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1273.9	153.1	1427.0
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	3686.7	349.3	4036.0
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	4960.6	502.4	5463.0
	% Fixture	90.8	9.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.5	0.4
10°-20°	79.6	1.5
20°-30°	197.7	3.6
30°-40°	386.0	7.1
40°-50°	638.5	11.7
50°-60°	925.4	16.9
60°-70°	1120.1	20.5
70°-80°	995.7	18.2
80°-90°	598.1	10.9
90°-100°	274.6	5.0
100°-110°	122.3	2.2
110°-120°	58.3	1.1
120°-130°	28.9	0.5
130°-140°	13.2	0.2
140°-150°	4.4	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4960.6	90.8
0°-180°	5463.0	100.0

**Coefficient of Utilization**



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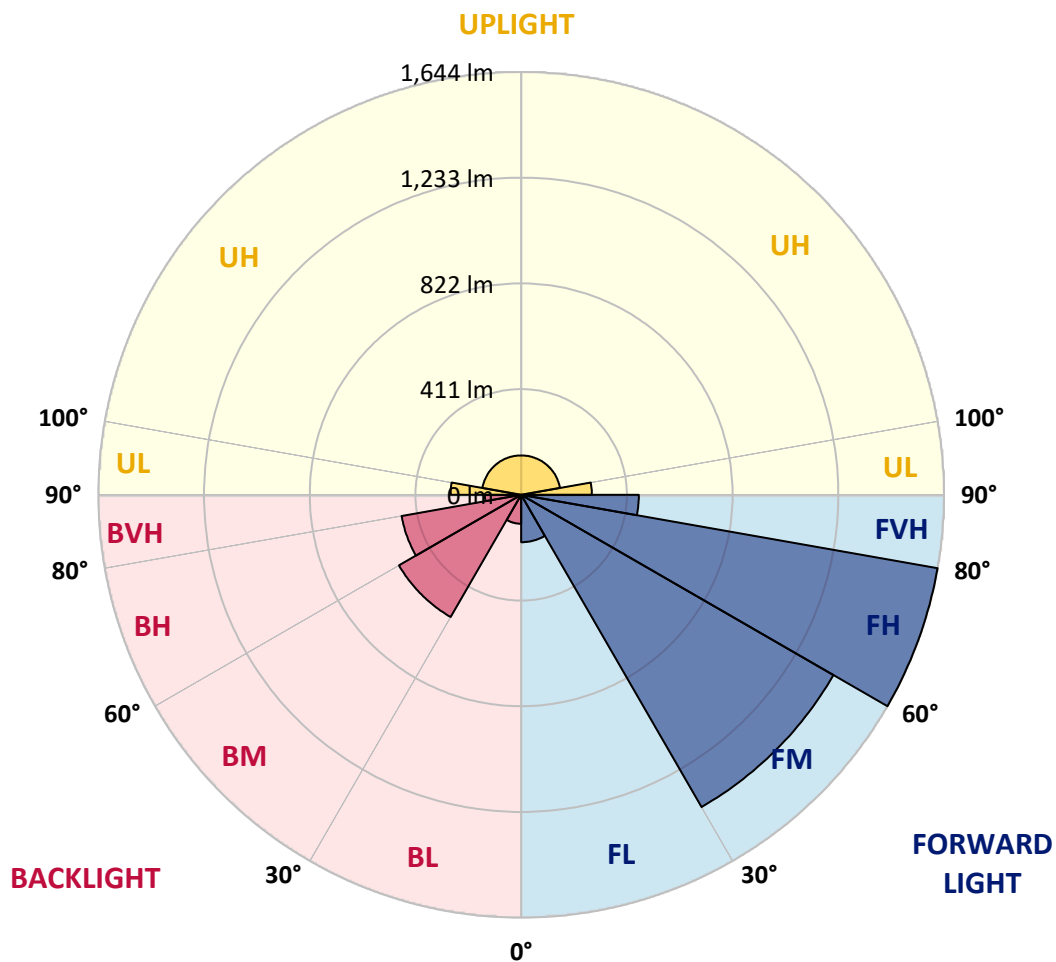
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.2	3.4			
FM (30°-60°)	1401.6	25.7			
FH (60°-80°)	1643.7	30.1			G1/1800
FVH (80°-90°)	457.2	8.4			G3/500
BL (0°-30°)	112.5	2.1	B1/500		
BM (30°-60°)	548.3	10.0	B1/1000		
BH (60°-80°)	472.1	8.6	B1/500		G1/500
BVH (80°-90°)	141.0	2.6			G2/225
UL (90°-100°)	274.6	5.0		U3/500	
UH (100°-180°)	153.1	2.8		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°	74°	75°	85°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	205.5	203.6	203.6	202.3	201.6	199.7	198.4	193.8	191.9	191.9	188.7
5°	227.6	226.3	223.7	223.7	221.1	218.5	213.3	207.5	202.9	202.3	196.4
7.5°	254.8	251.5	251.5	248.3	244.4	239.9	232.7	225.0	217.8	217.2	208.1
10°	285.9	284.6	283.3	278.8	273.6	264.5	258.0	247.0	238.6	237.9	225.6
12.5°	324.2	322.2	318.3	313.8	304.7	298.2	286.6	274.2	263.2	263.9	249.6
15°	365.6	364.3	361.8	354.6	344.3	335.2	323.5	310.5	299.5	295.0	280.1
17.5°	413.0	410.4	407.1	399.4	387.7	378.6	363.1	350.7	336.5	337.1	315.7
20°	468.7	466.1	461.6	449.3	438.9	426.6	410.4	396.8	380.6	379.3	357.9
22.5°	523.8	525.1	514.1	501.1	491.4	477.2	461.6	444.1	429.8	428.5	403.9
25°	591.9	587.4	576.3	561.4	546.5	529.0	515.4	499.8	486.2	484.9	455.8
27.5°	663.2	659.3	644.4	625.6	605.5	586.1	574.4	558.2	547.8	545.9	516.1
30°	741.0	734.5	720.9	695.6	667.8	645.7	634.0	628.2	618.5	615.9	585.4
32.5°	828.5	820.1	800.0	769.5	729.3	704.7	699.5	694.3	690.4	686.6	658.0
35°	915.4	912.8	883.0	845.4	805.8	773.4	764.4	772.8	770.2	767.6	737.1
37.5°	1006.8	1011.4	978.9	929.7	875.2	840.9	834.4	849.9	857.1	857.1	820.8
40°	1114.4	1110.5	1078.1	1017.8	954.3	914.1	916.1	939.4	956.9	953.0	917.4
42.5°	1221.4	1213.0	1170.2	1111.2	1030.8	990.6	990.6	1026.3	1052.8	1053.5	1015.9
45°	1326.4	1317.4	1277.2	1200.0	1112.5	1069.1	1078.1	1121.6	1165.0	1159.2	1122.2
47.5°	1422.4	1418.5	1377.0	1294.7	1196.1	1150.7	1168.9	1233.7	1281.1	1281.1	1240.2
50°	1516.4	1511.2	1472.3	1379.6	1280.4	1235.7	1262.9	1342.0	1402.3	1405.5	1358.2
52.5°	1597.4	1594.2	1557.9	1465.8	1363.4	1318.0	1358.8	1458.0	1527.4	1534.5	1484.6
55°	1655.8	1657.7	1629.8	1542.3	1438.6	1401.0	1456.7	1573.4	1655.8	1657.1	1603.3
57.5°	1698.6	1701.2	1682.4	1606.5	1504.7	1476.2	1551.4	1684.9	1778.3	1784.1	1713.5
60°	1716.7	1721.3	1715.4	1651.9	1563.7	1545.6	1636.3	1784.8	1888.5	1890.5	1805.5
62.5°	1707.0	1711.5	1723.2	1677.8	1606.5	1605.9	1718.7	1871.7	1974.7	1977.3	1875.5
65°	1662.9	1670.0	1699.2	1677.8	1622.1	1643.5	1773.1	1938.4	2031.1	2034.4	1902.8
67°	1603.9	1613.0	1655.8	1655.1	1622.1	1658.4	1799.7	1966.3	2046.7	2042.8	1888.5
67.5°	1590.3	1599.4	1642.2	1648.6	1617.5	1660.3	1802.9	1969.6	2040.9	2040.2	1879.4
70°	1474.9	1491.1	1553.3	1584.5	1583.8	1644.8	1801.6	1952.0	2001.3	1994.8	1803.6
72.5°	1342.0	1362.1	1437.9	1497.6	1517.0	1596.1	1754.3	1882.7	1898.9	1891.1	1661.6
75°	1205.2	1216.2	1295.3	1380.2	1429.5	1513.8	1665.5	1772.5	1749.8	1731.0	1484.0
77.5°	1060.6	1065.2	1153.3	1248.6	1308.3	1405.5	1533.2	1611.0	1555.3	1539.7	1281.7
80°	892.7	911.5	999.7	1098.9	1172.8	1261.0	1368.6	1415.3	1321.9	1307.6	1066.5
82.5°	755.3	766.9	847.3	944.6	1027.6	1110.5	1180.6	1192.9	1095.0	1084.6	857.1
85°	616.5	626.9	711.2	801.3	879.1	948.5	995.1	977.0	875.2	864.2	677.5
87.5°	510.2	518.0	576.3	667.8	736.5	786.4	811.0	788.3	691.1	675.5	523.2
90°	404.5	416.2	468.7	545.9	615.9	648.3	650.9	613.3	533.6	521.9	400.7
92.5°	326.7	334.5	384.4	448.6	503.7	528.4	521.9	490.1	416.9	403.2	309.9
95°	264.5	271.0	312.5	368.9	413.6	436.3	418.2	376.0	318.3	313.1	239.2
97.5°	219.8	221.1	253.5	304.1	339.7	351.4	337.1	298.9	248.9	238.6	183.5
100°	179.6	180.9	208.1	246.4	278.8	286.6	272.3	235.3	193.2	186.7	143.9
102.5°	145.9	149.1	169.9	204.2	228.2	234.0	219.1	186.7	149.1	144.6	112.2
105°	123.8	124.5	142.6	168.6	190.0	194.5	179.6	151.7	117.3	114.8	89.5
107.5°	105.0	105.0	119.3	142.0	158.8	161.4	149.8	123.8	92.7	90.1	72.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	90.1	90.8	101.1	119.3	134.8	136.8	125.1	99.2	73.9	72.0	59.0
112.5°	78.4	79.7	86.9	101.1	114.8	116.7	105.0	81.0	60.3	57.7	49.3
115°	69.4	70.0	75.2	86.9	97.9	99.2	87.5	66.8	48.6	46.7	41.5
117.5°	61.6	62.2	66.1	75.9	84.3	84.9	73.3	55.1	40.8	38.9	36.3
120°	55.8	55.8	59.0	65.5	72.6	72.6	61.6	45.4	33.7	33.1	31.1
122.5°	50.6	50.6	52.5	57.1	62.2	60.9	51.2	37.6	28.5	27.9	27.2
125°	46.0	46.0	47.3	49.9	53.2	51.2	42.1	31.1	24.6	24.0	24.0
127.5°	41.5	41.5	42.1	44.1	44.7	42.8	35.0	25.9	21.4	20.7	21.4
130°	37.6	37.6	37.6	37.6	37.6	36.3	28.5	21.4	18.2	18.2	18.8
132.5°	33.7	33.7	33.1	32.4	31.8	29.2	23.3	17.5	16.2	16.2	16.9
135°	29.8	29.8	29.2	27.9	25.9	22.7	17.5	14.3	13.6	13.6	14.3
137.5°	25.9	25.9	25.3	23.3	20.7	17.5	13.6	11.7	11.7	11.7	12.3
140°	22.0	22.0	21.4	19.4	16.2	13.0	10.4	9.1	9.7	9.7	10.4
142.5°	18.8	18.2	17.5	15.6	12.3	9.1	7.1	7.1	7.8	7.8	8.4
145°	14.9	14.3	13.6	11.7	9.1	6.5	5.2	5.2	5.8	5.8	6.5
147.5°	11.7	11.0	10.4	8.4	6.5	4.5	3.2	3.9	4.5	4.5	4.5
150°	7.8	7.8	7.8	6.5	3.9	2.6	1.9	2.6	2.6	2.6	3.2
152.5°	5.2	5.2	5.2	3.9	2.6	1.3	1.3	1.3	1.9	1.9	1.9
155°	3.2	3.2	3.2	2.6	1.3	0.6	0.6	0.6	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.6	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	1.3	1.3	1.3	0.6	0.0	0.0	0.6	0.6	0.6
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°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	187.4	186.1	183.5	181.5	179.6	177.6	175.7	174.4	172.4	172.4	172.4
5°	193.8	190.6	185.4	181.5	177.0	173.7	169.9	167.3	165.3	164.7	164.7
7.5°	204.9	200.3	192.5	184.8	178.3	173.1	168.6	165.3	162.7	162.1	162.1
10°	220.4	214.6	202.3	193.2	184.8	177.6	171.8	167.3	165.3	164.0	164.0
12.5°	243.1	235.3	221.1	205.5	194.5	185.4	178.3	176.3	176.3	177.0	176.3
15°	270.3	262.6	243.1	225.0	208.8	198.4	194.5	194.5	193.8	195.1	195.1
17.5°	304.7	293.7	270.3	246.4	227.6	217.8	213.9	212.6	213.9	215.9	214.6
20°	345.5	329.3	300.2	270.3	250.2	240.5	234.0	232.7	234.7	236.0	236.6
22.5°	388.3	370.8	333.9	295.6	274.9	261.9	254.8	252.8	256.1	259.3	260.0
25°	437.0	417.5	370.2	326.1	296.9	279.4	272.9	272.3	277.5	282.0	282.0
27.5°	496.0	470.0	409.7	359.2	321.6	298.2	291.1	291.7	298.9	302.8	304.1
30°	557.5	528.4	455.1	389.6	341.0	313.1	305.4	308.6	315.7	323.5	324.8
32.5°	626.9	592.6	499.2	420.1	358.5	324.8	316.4	322.9	330.6	339.7	341.0
35°	699.5	653.5	544.6	448.0	372.8	333.9	324.2	331.9	341.7	350.1	352.7
37.5°	781.9	727.4	593.8	470.7	383.8	339.1	328.7	337.8	348.8	357.2	357.9
40°	866.1	803.3	640.5	492.1	391.6	342.3	331.3	340.4	350.7	357.9	358.5
42.5°	954.3	880.4	684.0	509.6	395.5	342.3	330.0	339.1	348.8	352.7	353.3
45°	1057.4	962.1	728.7	521.9	396.8	341.0	328.0	335.2	342.3	343.6	345.5
47.5°	1161.1	1043.1	766.9	531.0	396.1	337.8	324.8	330.6	335.2	333.9	335.8
50°	1270.7	1131.3	803.9	536.8	392.9	334.5	320.3	325.4	326.7	322.9	322.9
52.5°	1375.7	1207.8	832.4	537.4	388.3	330.6	317.0	320.9	320.3	313.1	313.8
55°	1480.7	1289.5	856.4	531.6	381.9	326.7	313.8	316.4	314.4	306.0	304.7
57.5°	1570.8	1355.6	866.8	523.2	374.7	322.9	311.8	314.4	310.5	300.8	300.2
60°	1647.3	1406.8	867.4	511.5	366.3	319.6	309.9	313.1	309.9	298.2	296.9
62.5°	1694.7	1430.2	850.6	493.4	357.9	315.7	309.9	312.5	308.6	296.9	296.3
65°	1702.4	1418.5	823.3	472.6	348.1	311.8	308.6	311.8	307.9	295.6	294.3
67°	1672.0	1384.8	786.4	453.2	339.7	308.6	306.0	310.5	306.0	294.3	292.4
67.5°	1661.6	1369.2	778.0	450.6	337.8	307.3	305.4	309.2	305.4	293.7	291.7
70°	1570.8	1284.3	714.4	422.0	325.4	300.8	300.8	304.1	300.2	289.1	285.9
72.5°	1430.8	1165.0	650.9	394.8	311.8	291.1	293.0	296.3	292.4	282.0	278.1
75°	1268.7	1030.8	580.2	363.1	296.3	281.4	282.7	285.9	282.0	271.0	267.8
77.5°	1088.5	875.9	508.9	333.9	280.1	268.4	269.0	271.0	267.8	256.7	253.5
80°	895.3	722.2	436.3	300.8	261.3	252.2	252.8	252.8	248.3	239.2	236.6
82.5°	721.6	586.7	372.1	271.6	240.5	234.0	234.0	233.4	227.6	219.8	215.9
85°	561.4	473.3	311.8	241.8	219.8	213.9	213.3	210.7	204.9	196.4	191.9
87.5°	440.2	374.7	262.6	213.3	199.0	195.1	191.3	185.4	180.9	173.7	169.9
90°	343.6	297.6	221.7	187.4	178.9	173.7	169.9	162.7	155.6	148.5	146.5
92.5°	269.0	235.3	184.8	163.4	158.2	154.3	149.1	141.3	134.8	126.4	127.1
95°	213.3	191.3	157.5	143.9	140.0	136.8	130.3	121.9	114.8	107.0	105.7
97.5°	167.3	152.4	132.3	125.1	123.8	119.9	113.5	105.0	97.2	88.8	88.8
100°	132.9	124.5	111.5	110.2	107.6	105.0	98.5	90.8	81.0	73.9	73.9
102.5°	107.0	99.8	95.3	95.3	94.7	92.1	85.6	77.8	68.1	60.9	60.9
105°	85.6	83.0	81.0	83.0	83.6	81.0	74.6	66.1	56.4	49.9	51.2
107.5°	71.3	69.4	69.4	72.0	73.3	70.7	64.8	55.8	46.7	42.1	42.1



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	59.0	58.3	59.6	62.9	63.5	61.6	55.8	47.3	38.9	35.0	35.7
112.5°	49.9	49.3	51.9	55.1	55.8	53.8	48.0	40.2	32.4	29.8	29.8
115°	42.1	42.8	44.7	47.3	48.6	46.7	41.5	34.4	26.6	25.3	25.3
117.5°	36.3	37.0	38.9	42.1	42.8	40.2	35.0	28.5	22.7	22.0	22.0
120°	31.8	32.4	34.4	36.3	37.0	34.4	29.8	24.0	19.4	18.8	18.8
122.5°	27.9	29.2	30.5	31.8	32.4	29.8	25.9	20.1	16.2	16.2	16.9
125°	24.6	25.3	26.6	27.9	27.9	25.3	21.4	16.9	14.3	14.3	14.3
127.5°	22.0	22.0	22.7	24.0	24.0	22.0	18.2	13.6	12.3	12.3	13.0
130°	19.4	20.1	20.1	20.1	20.1	18.2	14.9	11.7	10.4	11.0	11.0
132.5°	16.9	17.5	17.5	17.5	16.9	14.9	12.3	9.7	9.1	9.7	9.7
135°	14.9	14.9	14.9	14.9	13.6	12.3	9.7	7.8	7.8	8.4	8.4
137.5°	13.0	13.0	13.0	12.3	11.0	9.7	7.8	6.5	6.5	7.1	7.1
140°	10.4	11.0	10.4	9.7	8.4	7.1	5.8	5.2	5.8	5.8	5.8
142.5°	8.4	8.4	8.4	7.8	6.5	5.2	4.5	3.9	4.5	4.5	5.2
145°	6.5	6.5	6.5	5.8	4.5	3.2	3.2	3.2	3.9	3.9	3.9
147.5°	4.5	4.5	4.5	3.9	2.6	1.9	1.9	1.9	2.6	2.6	2.6
150°	3.2	3.2	3.2	2.6	1.3	0.6	0.6	1.3	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.6	1.3	1.3	0.6	0.6
155°	1.3	1.3	1.3	1.3	0.6	0.0	0.6	0.6	0.6	0.0	0.0
157.5°	1.3	1.3	0.6	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0
160°	0.6	0.6	0.6	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)