

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: P415741

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415741
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-PA1-50-830-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 4728 lumens
Efficiency: N/A
Efficacy: 87.6 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): 54
Input Voltage (V): NR
Input Current (A_{in}): 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

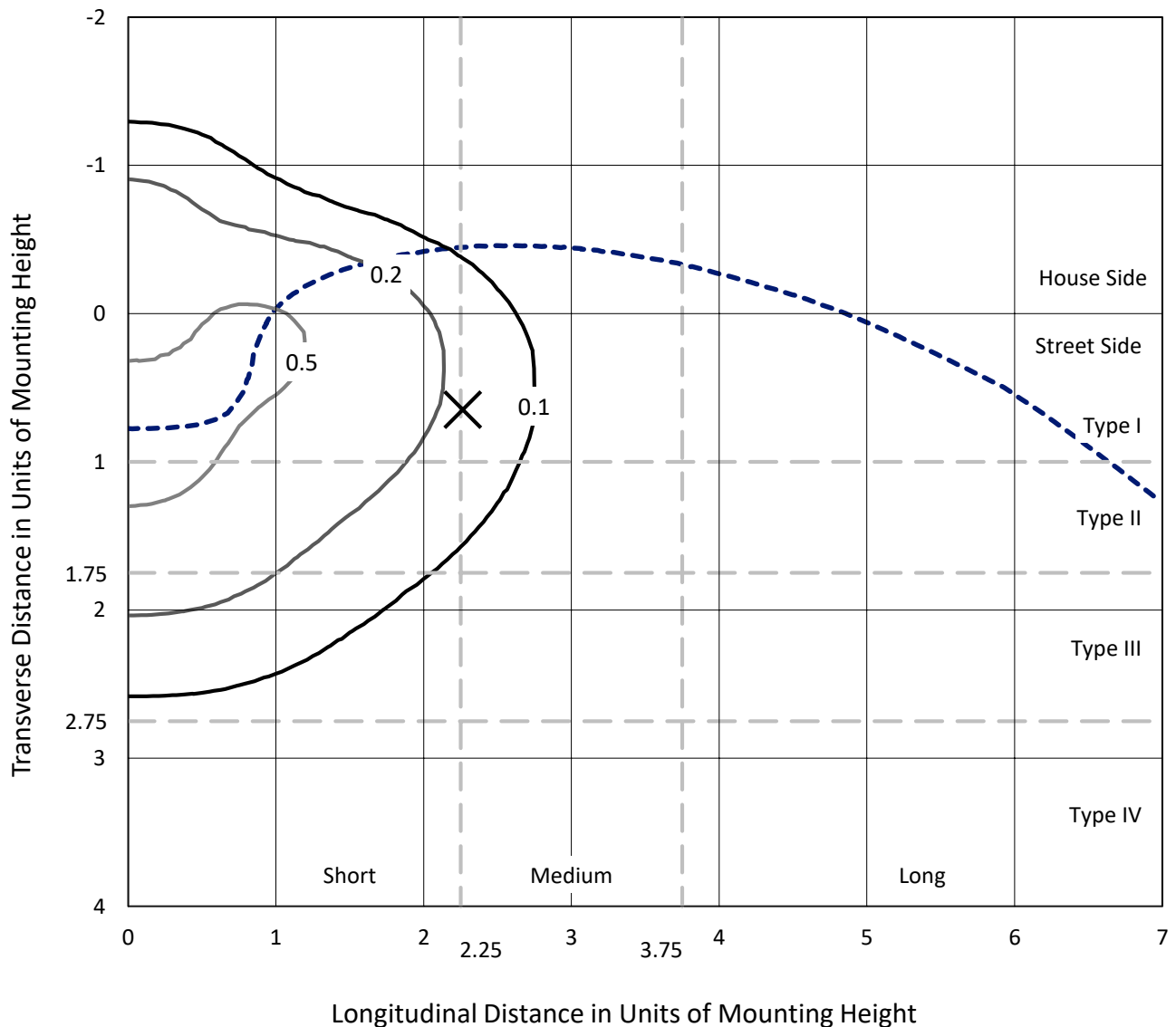


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

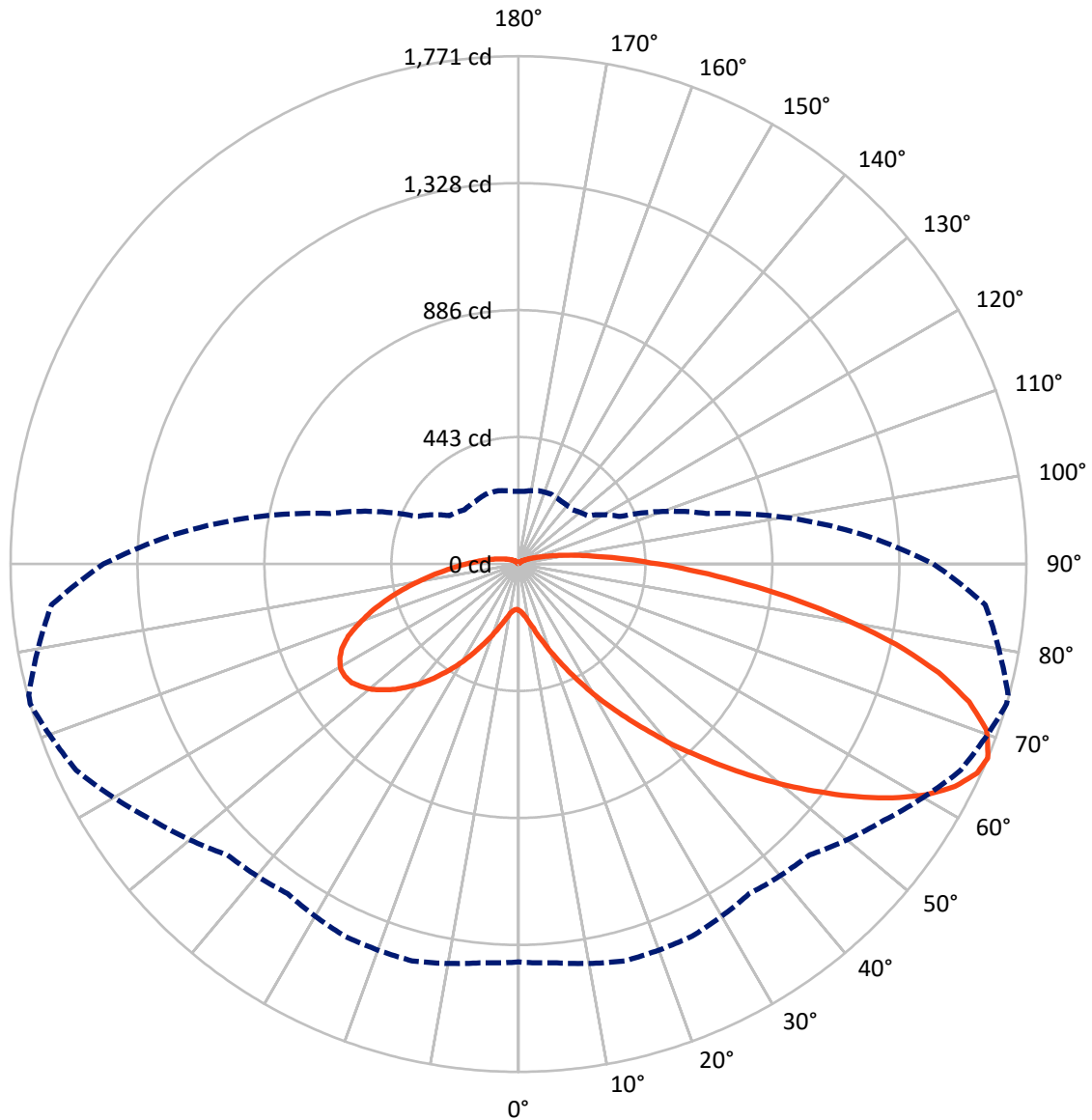


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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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	1102.5	132.5	1235.0
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	3190.7	302.3	3493.0
	% Fixture	67.5	6.4	73.9
Total	Lumens	4293.2	434.8	4728.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.4
10°-20°	68.9	1.5
20°-30°	171.1	3.6
30°-40°	334.1	7.1
40°-50°	552.6	11.7
50°-60°	800.9	16.9
60°-70°	969.4	20.5
70°-80°	861.7	18.2
80°-90°	517.7	10.9
90°-100°	237.7	5.0
100°-110°	105.8	2.2
110°-120°	50.5	1.1
120°-130°	25.0	0.5
130°-140°	11.4	0.2
140°-150°	3.8	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4293.2	90.8
0°-180°	4728.0	100.0

Coefficient of Utilization



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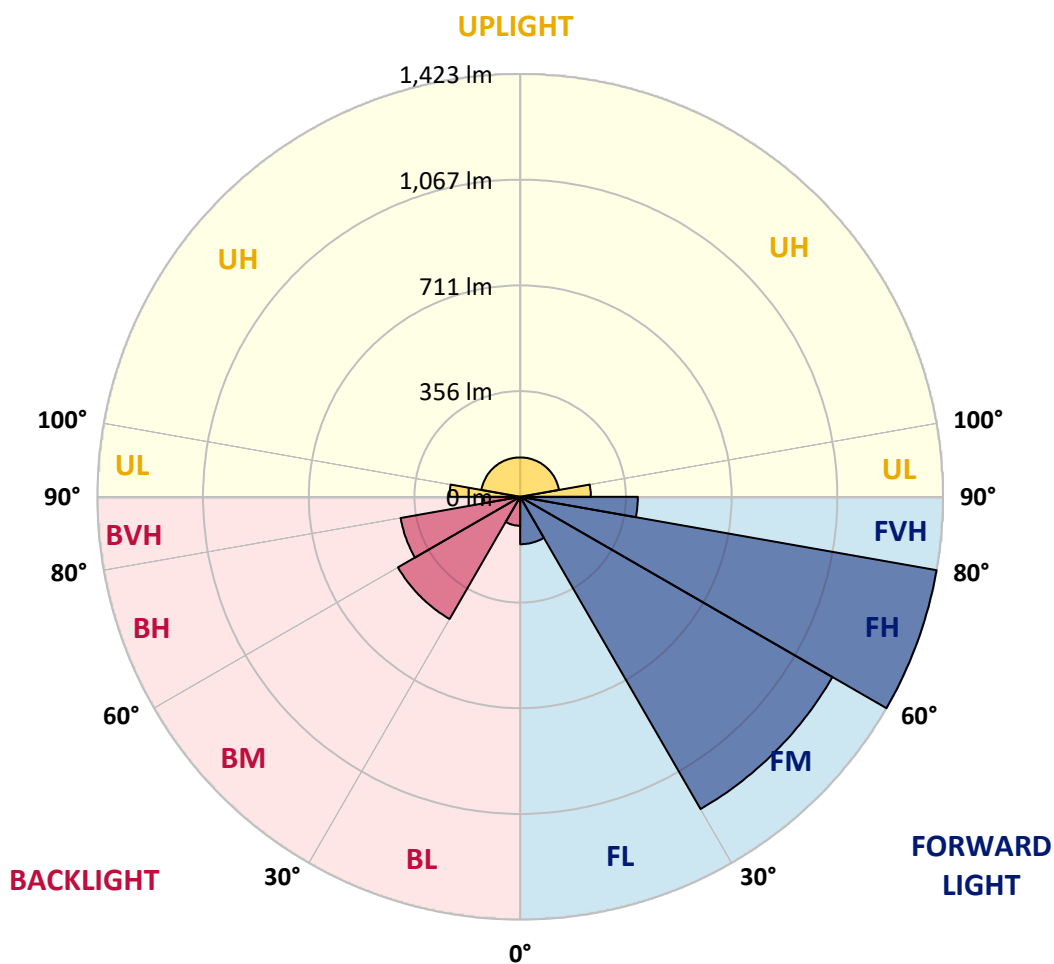
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.4	3.4			
FM	(30°-60°)	1213.0	25.7			
FH	(60°-80°)	1422.6	30.1			G1/1800
FVH	(80°-90°)	395.7	8.4			G3/500
BL	(0°-30°)	97.4	2.1	B0/110		
BM	(30°-60°)	474.6	10.0	B1/1000		
BH	(60°-80°)	408.5	8.6	B1/500		G1/500
BVH	(80°-90°)	122.0	2.6			G2/225
UL	(90°-100°)	237.7	5.0		U3/500	
UH	(100°-180°)	132.5	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°	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0
2.5°	177.9	176.2	176.2	175.1	174.5	172.8	171.7	167.8	166.1	166.1	163.3
5°	196.9	195.8	193.6	193.6	191.3	189.1	184.6	179.5	175.6	175.1	170.0
7.5°	220.5	217.7	217.7	214.9	211.5	207.6	201.4	194.7	188.5	188.0	180.1
10°	247.4	246.3	245.2	241.3	236.8	228.9	223.3	213.8	206.5	205.9	195.3
12.5°	280.5	278.9	275.5	271.6	263.7	258.1	248.0	237.3	227.8	228.4	216.0
15°	316.4	315.3	313.1	306.9	297.9	290.1	280.0	268.8	259.2	255.3	242.4
17.5°	357.4	355.2	352.4	345.6	335.5	327.7	314.2	303.5	291.2	291.8	273.2
20°	405.7	403.4	399.5	388.8	379.9	369.2	355.2	343.4	329.4	328.2	309.7
22.5°	453.4	454.5	444.9	433.7	425.3	413.0	399.5	384.3	372.0	370.9	349.6
25°	512.3	508.3	498.8	485.9	473.0	457.8	446.1	432.6	420.8	419.7	394.4
27.5°	574.0	570.6	557.7	541.4	524.0	507.2	497.1	483.1	474.1	472.4	446.6
30°	641.3	635.7	623.9	602.0	577.9	558.8	548.7	543.7	535.3	533.0	506.7
32.5°	717.1	709.8	692.4	666.0	631.2	609.9	605.4	600.9	597.6	594.2	569.5
35°	792.2	790.0	764.2	731.6	697.4	669.4	661.5	668.8	666.6	664.3	637.9
37.5°	871.4	875.3	847.2	804.6	757.5	727.7	722.1	735.6	741.7	741.7	710.3
40°	964.5	961.1	933.1	880.9	825.9	791.1	792.8	813.0	828.2	824.8	793.9
42.5°	1057.1	1049.8	1012.8	961.7	892.1	857.3	857.3	888.2	911.2	911.8	879.2
45°	1148.0	1140.1	1105.3	1038.6	962.8	925.2	933.1	970.7	1008.3	1003.2	971.2
47.5°	1231.0	1227.6	1191.7	1120.5	1035.2	995.9	1011.6	1067.7	1108.7	1108.7	1073.3
50°	1312.4	1307.9	1274.2	1194.0	1108.1	1069.4	1093.0	1161.4	1213.6	1216.4	1175.5
52.5°	1382.5	1379.7	1348.3	1268.6	1180.0	1140.7	1176.0	1261.9	1321.9	1328.1	1284.9
55°	1433.0	1434.7	1410.6	1334.8	1245.0	1212.5	1260.7	1361.7	1433.0	1434.1	1387.6
57.5°	1470.0	1472.3	1456.0	1390.4	1302.3	1277.6	1342.7	1458.3	1539.0	1544.1	1482.9
60°	1485.7	1489.7	1484.6	1429.6	1353.3	1337.6	1416.2	1544.7	1634.4	1636.1	1562.6
62.5°	1477.3	1481.3	1491.4	1452.1	1390.4	1389.8	1487.4	1619.8	1709.1	1711.3	1623.2
65°	1439.2	1445.3	1470.6	1452.1	1403.8	1422.3	1534.6	1677.6	1757.9	1760.7	1646.8
67°	1388.1	1396.0	1433.0	1432.4	1403.8	1435.2	1557.6	1701.8	1771.3	1768.0	1634.4
67.5°	1376.3	1384.2	1421.2	1426.8	1399.9	1436.9	1560.4	1704.6	1766.3	1765.7	1626.6
70°	1276.5	1290.5	1344.4	1371.3	1370.7	1423.5	1559.2	1689.4	1732.1	1726.4	1560.9
72.5°	1161.4	1178.8	1244.5	1296.1	1312.9	1381.4	1518.3	1629.4	1643.4	1636.7	1438.1
75°	1043.1	1052.6	1121.0	1194.5	1237.2	1310.1	1441.4	1534.0	1514.4	1498.1	1284.3
77.5°	917.9	921.9	998.2	1080.6	1132.3	1216.4	1327.0	1394.3	1346.0	1332.6	1109.3
80°	772.6	788.9	865.2	951.0	1015.0	1091.3	1184.4	1224.8	1144.0	1131.7	923.0
82.5°	653.7	663.8	733.3	817.5	889.3	961.1	1021.7	1032.4	947.7	938.7	741.7
85°	533.6	542.6	615.5	693.5	760.8	820.9	861.3	845.5	757.5	747.9	586.3
87.5°	441.6	448.3	498.8	577.9	637.4	680.6	701.9	682.3	598.1	584.6	452.8
90°	350.1	360.2	405.7	472.4	533.0	561.1	563.3	530.8	461.8	451.7	346.7
92.5°	282.8	289.5	332.7	388.3	436.0	457.3	451.7	424.2	360.8	349.0	268.2
95°	228.9	234.5	270.4	319.3	358.0	377.6	361.9	325.4	275.5	271.0	207.0
97.5°	190.2	191.3	219.4	263.1	294.0	304.1	291.8	258.7	215.5	206.5	158.8
100°	155.4	156.5	180.1	213.2	241.3	248.0	235.7	203.7	167.2	161.6	124.6
102.5°	126.2	129.0	147.0	176.7	197.5	202.6	189.6	161.6	129.0	125.1	97.1
105°	107.2	107.7	123.4	145.9	164.4	168.3	155.4	131.3	101.6	99.3	77.4
107.5°	90.9	90.9	103.2	122.9	137.5	139.7	129.6	107.2	80.2	78.0	62.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	78.0	78.6	87.5	103.2	116.7	118.4	108.3	85.8	64.0	62.3	51.1
112.5°	67.9	69.0	75.2	87.5	99.3	101.0	90.9	70.1	52.2	49.9	42.6
115°	60.0	60.6	65.1	75.2	84.7	85.8	75.7	57.8	42.1	40.4	35.9
117.5°	53.3	53.9	57.2	65.6	72.9	73.5	63.4	47.7	35.3	33.7	31.4
120°	48.3	48.3	51.1	56.7	62.8	62.8	53.3	39.3	29.2	28.6	26.9
122.5°	43.8	43.8	45.4	49.4	53.9	52.7	44.3	32.5	24.7	24.1	23.6
125°	39.8	39.8	41.0	43.2	46.0	44.3	36.5	26.9	21.3	20.8	20.8
127.5°	35.9	35.9	36.5	38.2	38.7	37.0	30.3	22.4	18.5	18.0	18.5
130°	32.5	32.5	32.5	32.5	32.5	31.4	24.7	18.5	15.7	15.7	16.3
132.5°	29.2	29.2	28.6	28.1	27.5	25.2	20.2	15.1	14.0	14.0	14.6
135°	25.8	25.8	25.2	24.1	22.4	19.6	15.1	12.3	11.8	11.8	12.3
137.5°	22.4	22.4	21.9	20.2	18.0	15.1	11.8	10.1	10.1	10.1	10.7
140°	19.1	19.1	18.5	16.8	14.0	11.2	9.0	7.9	8.4	8.4	9.0
142.5°	16.3	15.7	15.1	13.5	10.7	7.9	6.2	6.2	6.7	6.7	7.3
145°	12.9	12.3	11.8	10.1	7.9	5.6	4.5	4.5	5.0	5.0	5.6
147.5°	10.1	9.5	9.0	7.3	5.6	3.9	2.8	3.4	3.9	3.9	3.9
150°	6.7	6.7	6.7	5.6	3.4	2.2	1.7	2.2	2.2	2.2	2.8
152.5°	4.5	4.5	4.5	3.4	2.2	1.1	1.1	1.1	1.7	1.7	1.7
155°	2.8	2.8	2.8	2.2	1.1	0.6	0.6	0.6	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	0.6	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	1.1	1.1	1.1	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°	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0
2.5°	162.2	161.0	158.8	157.1	155.4	153.7	152.1	150.9	149.2	149.2	149.2
5°	167.8	165.0	160.5	157.1	153.2	150.4	147.0	144.8	143.1	142.5	142.5
7.5°	177.3	173.4	166.6	159.9	154.3	149.8	145.9	143.1	140.8	140.3	140.3
10°	190.8	185.7	175.1	167.2	159.9	153.7	148.7	144.8	143.1	142.0	142.0
12.5°	210.4	203.7	191.3	177.9	168.3	160.5	154.3	152.6	152.6	153.2	152.6
15°	234.0	227.2	210.4	194.7	180.7	171.7	168.3	168.3	167.8	168.9	168.9
17.5°	263.7	254.2	234.0	213.2	196.9	188.5	185.2	184.0	185.2	186.8	185.7
20°	299.1	285.0	259.8	234.0	216.6	208.2	202.6	201.4	203.1	204.2	204.8
22.5°	336.1	320.9	289.0	255.9	237.9	226.7	220.5	218.8	221.6	224.4	225.0
25°	378.2	361.3	320.4	282.2	257.0	241.8	236.2	235.7	240.1	244.1	244.1
27.5°	429.2	406.8	354.6	310.8	278.3	258.1	251.9	252.5	258.7	262.0	263.1
30°	482.5	457.3	393.9	337.2	295.1	271.0	264.3	267.1	273.2	280.0	281.1
32.5°	542.6	512.8	432.0	363.6	310.3	281.1	273.8	279.4	286.2	294.0	295.1
35°	605.4	565.6	471.3	387.7	322.6	289.0	280.5	287.3	295.7	303.0	305.2
37.5°	676.7	629.5	514.0	407.3	332.2	293.4	284.5	292.3	301.9	309.2	309.7
40°	749.6	695.2	554.3	425.9	338.9	296.3	286.7	294.6	303.5	309.7	310.3
42.5°	825.9	761.9	591.9	441.0	342.3	296.3	285.6	293.4	301.9	305.2	305.8
45°	915.1	832.6	630.7	451.7	343.4	295.1	283.9	290.1	296.3	297.4	299.1
47.5°	1004.9	902.8	663.8	459.5	342.8	292.3	281.1	286.2	290.1	289.0	290.6
50°	1099.7	979.1	695.7	464.6	340.0	289.5	277.2	281.7	282.8	279.4	279.4
52.5°	1190.6	1045.3	720.4	465.1	336.1	286.2	274.4	277.7	277.2	271.0	271.6
55°	1281.5	1116.0	741.2	460.1	330.5	282.8	271.6	273.8	272.1	264.8	263.7
57.5°	1359.5	1173.2	750.2	452.8	324.3	279.4	269.9	272.1	268.8	260.3	259.8
60°	1425.7	1217.5	750.7	442.7	317.0	276.6	268.2	271.0	268.2	258.1	257.0
62.5°	1466.7	1237.7	736.1	427.0	309.7	273.2	268.2	270.4	267.1	257.0	256.4
65°	1473.4	1227.6	712.6	409.0	301.3	269.9	267.1	269.9	266.5	255.9	254.7
67°	1447.0	1198.5	680.6	392.2	294.0	267.1	264.8	268.8	264.8	254.7	253.0
67.5°	1438.1	1185.0	673.3	390.0	292.3	266.0	264.3	267.6	264.3	254.2	252.5
70°	1359.5	1111.5	618.3	365.3	281.7	260.3	260.3	263.1	259.8	250.2	247.4
72.5°	1238.3	1008.3	563.3	341.7	269.9	251.9	253.6	256.4	253.0	244.1	240.7
75°	1098.0	892.1	502.2	314.2	256.4	243.5	244.6	247.4	244.1	234.5	231.7
77.5°	942.1	758.0	440.4	289.0	242.4	232.3	232.8	234.5	231.7	222.2	219.4
80°	774.9	625.0	377.6	260.3	226.1	218.3	218.8	218.8	214.9	207.0	204.8
82.5°	624.5	507.8	322.1	235.1	208.2	202.6	202.6	202.0	196.9	190.2	186.8
85°	485.9	409.6	269.9	209.3	190.2	185.2	184.6	182.4	177.3	170.0	166.1
87.5°	381.0	324.3	227.2	184.6	172.3	168.9	165.5	160.5	156.5	150.4	147.0
90°	297.4	257.5	191.9	162.2	154.9	150.4	147.0	140.8	134.7	128.5	126.8
92.5°	232.8	203.7	159.9	141.4	136.9	133.5	129.0	122.3	116.7	109.4	110.0
95°	184.6	165.5	136.3	124.6	121.2	118.4	112.8	105.5	99.3	92.6	91.5
97.5°	144.8	131.9	114.5	108.3	107.2	103.8	98.2	90.9	84.2	76.9	76.9
100°	115.0	107.7	96.5	95.4	93.1	90.9	85.3	78.6	70.1	64.0	64.0
102.5°	92.6	86.4	82.5	82.5	81.9	79.7	74.1	67.3	58.9	52.7	52.7
105°	74.1	71.8	70.1	71.8	72.4	70.1	64.5	57.2	48.8	43.2	44.3
107.5°	61.7	60.0	60.0	62.3	63.4	61.2	56.1	48.3	40.4	36.5	36.5



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	51.1	50.5	51.6	54.4	55.0	53.3	48.3	41.0	33.7	30.3	30.9
112.5°	43.2	42.6	44.9	47.7	48.3	46.6	41.5	34.8	28.1	25.8	25.8
115°	36.5	37.0	38.7	41.0	42.1	40.4	35.9	29.7	23.0	21.9	21.9
117.5°	31.4	32.0	33.7	36.5	37.0	34.8	30.3	24.7	19.6	19.1	19.1
120°	27.5	28.1	29.7	31.4	32.0	29.7	25.8	20.8	16.8	16.3	16.3
122.5°	24.1	25.2	26.4	27.5	28.1	25.8	22.4	17.4	14.0	14.0	14.6
125°	21.3	21.9	23.0	24.1	24.1	21.9	18.5	14.6	12.3	12.3	12.3
127.5°	19.1	19.1	19.6	20.8	20.8	19.1	15.7	11.8	10.7	10.7	11.2
130°	16.8	17.4	17.4	17.4	17.4	15.7	12.9	10.1	9.0	9.5	9.5
132.5°	14.6	15.1	15.1	15.1	14.6	12.9	10.7	8.4	7.9	8.4	8.4
135°	12.9	12.9	12.9	12.9	11.8	10.7	8.4	6.7	6.7	7.3	7.3
137.5°	11.2	11.2	11.2	10.7	9.5	8.4	6.7	5.6	5.6	6.2	6.2
140°	9.0	9.5	9.0	8.4	7.3	6.2	5.0	4.5	5.0	5.0	5.0
142.5°	7.3	7.3	7.3	6.7	5.6	4.5	3.9	3.4	3.9	3.9	4.5
145°	5.6	5.6	5.6	5.0	3.9	2.8	2.8	2.8	3.4	3.4	3.4
147.5°	3.9	3.9	3.9	3.4	2.2	1.7	1.7	1.7	2.2	2.2	2.2
150°	2.8	2.8	2.8	2.2	1.1	0.6	0.6	1.1	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.1	0.6	0.0	0.6	1.1	1.1	0.6	0.6
155°	1.1	1.1	1.1	1.1	0.6	0.0	0.6	0.6	0.6	0.0	0.0
157.5°	1.1	1.1	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)