

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: P415844

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6139 lumens
Efficiency: N/A
Efficacy: 95.9 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

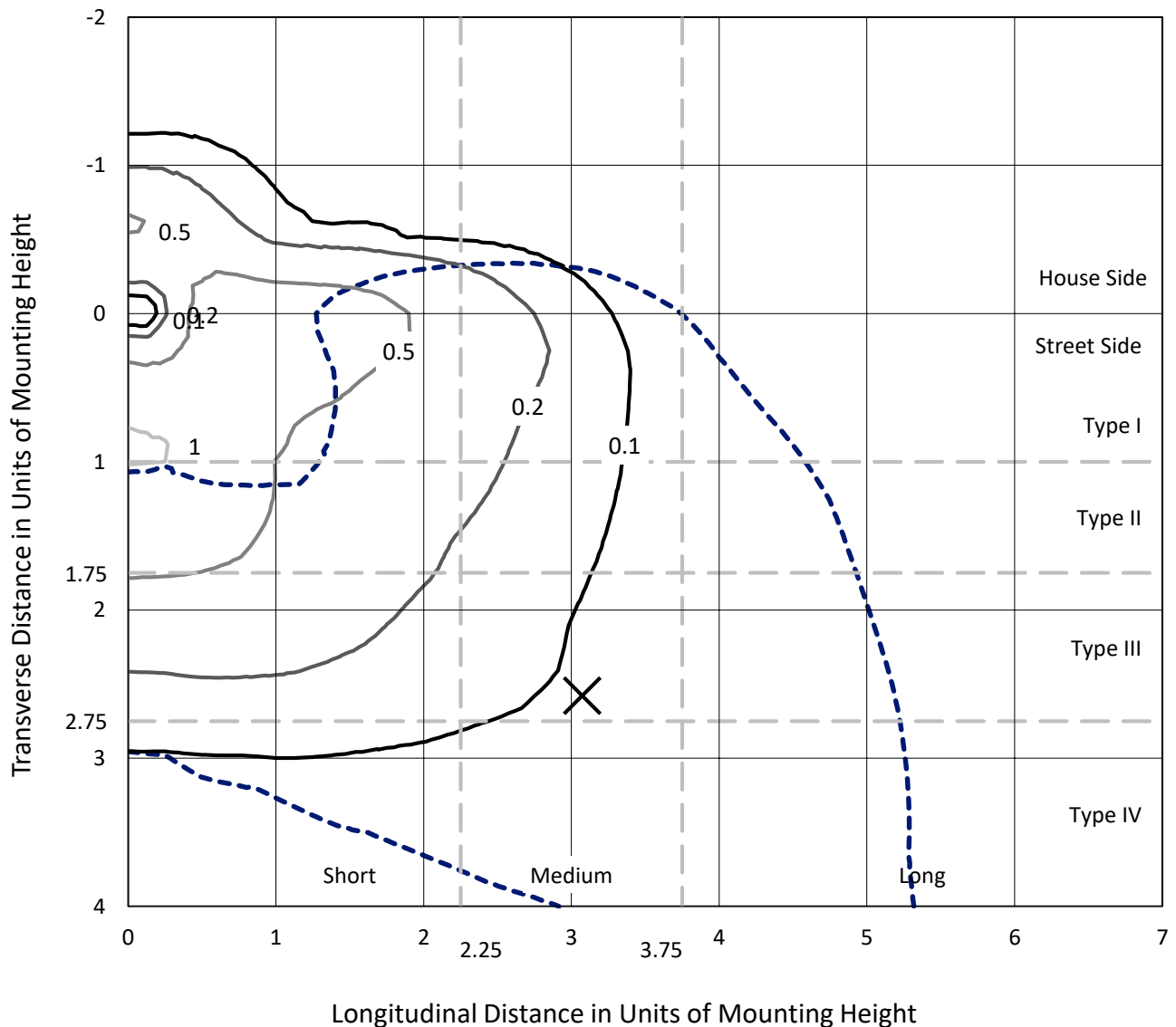


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

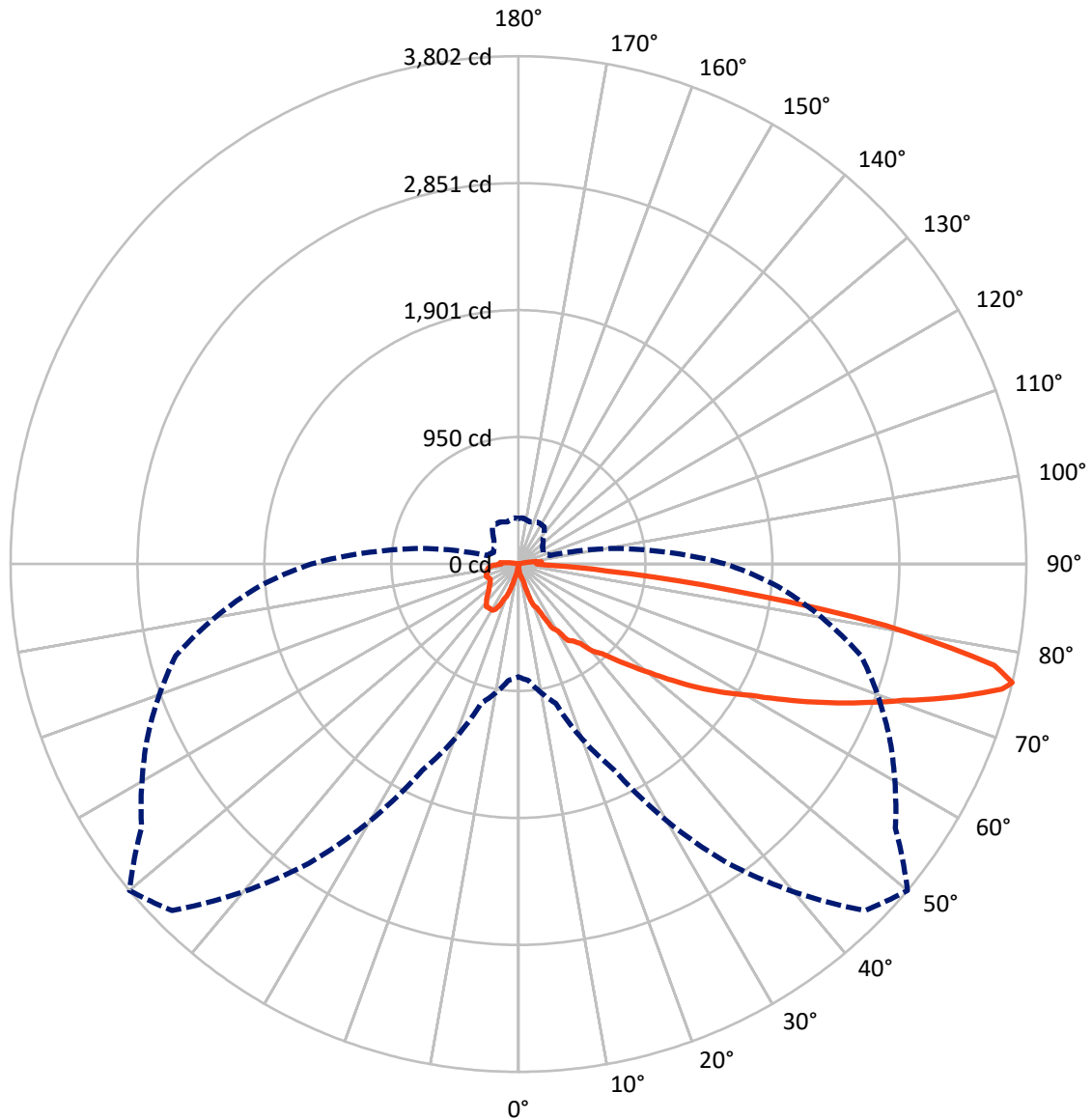


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.8	75.5	1415.3
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4663.1	60.6	4723.7
	% Fixture	76.0	1.0	76.9
Total	Lumens	6002.9	136.1	6139.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	51.2	0.8
20°-30°	200.3	3.3
30°-40°	431.1	7.0
40°-50°	702.3	11.4
50°-60°	1130.6	18.4
60°-70°	1646.8	26.8
70°-80°	1469.2	23.9
80°-90°	368.0	6.0
90°-100°	107.8	1.8
100°-110°	16.0	0.3
110°-120°	4.6	0.1
120°-130°	3.1	0.1
130°-140°	2.1	0.0
140°-150°	1.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6002.9	97.8
0°-180°	6139.0	100.0

Coefficient of Utilization



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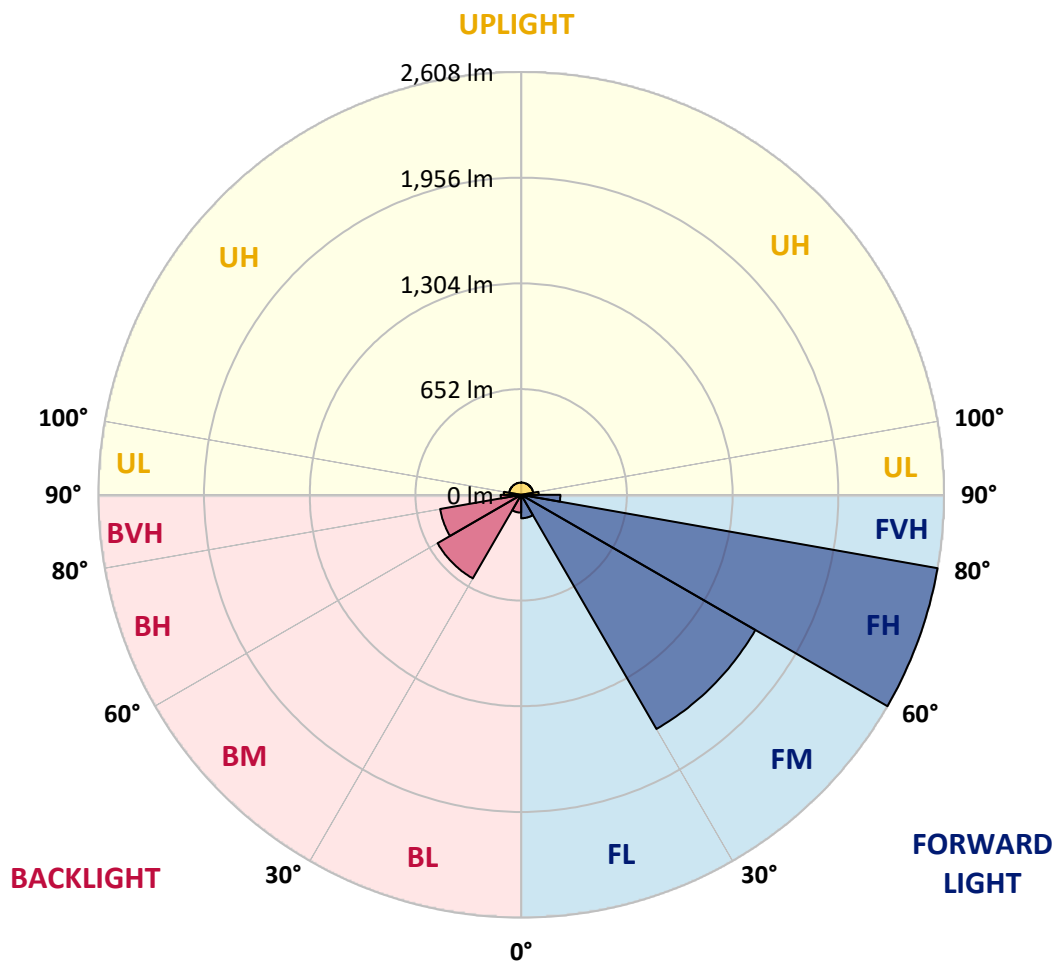
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.7	2.4			
FM (30°-60°)	1668.2	27.2			
FH (60°-80°)	2608.5	42.5			G2/5000
FVH (80°-90°)	241.6	3.9			G3/500
BL (0°-30°)	110.1	1.8	B1/500		
BM (30°-60°)	595.8	9.7	B1/1000		
BH (60°-80°)	507.6	8.3	B2/1000		G2/1000
BVH (80°-90°)	126.4	2.1			G2/225
UL (90°-100°)	107.8	1.8		U3/500	
UH (100°-180°)	75.5	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	8.9	6.8	6.1	5.5	5.5	4.8	4.8	4.1	4.1	4.1	4.1
5°	86.0	83.2	77.1	71.6	24.6	20.5	17.1	13.0	4.8	4.8	4.1
7.5°	103.0	101.0	96.9	94.2	90.1	83.9	77.1	36.2	14.3	5.5	4.8
10°	135.1	124.9	116.7	109.8	105.1	94.8	92.1	86.6	23.9	10.2	7.5
12.5°	241.5	236.1	227.9	154.9	127.6	109.2	105.1	100.3	77.8	36.8	66.2
15°	266.1	260.6	252.4	242.2	227.2	134.4	126.2	156.9	200.6	150.8	157.6
17.5°	312.5	309.7	287.9	263.4	248.3	264.0	264.7	240.2	227.9	199.2	181.5
20°	433.2	430.5	418.2	355.5	281.1	333.6	332.3	320.0	255.8	294.1	316.6
22.5°	451.0	447.6	436.6	419.6	444.8	365.7	356.8	356.8	377.3	399.8	372.5
25°	593.6	590.2	506.9	441.4	476.9	435.3	436.6	483.0	417.5	438.7	418.9
27.5°	620.2	615.4	608.6	564.9	502.1	551.3	543.8	518.5	543.1	605.8	584.7
30°	723.9	671.3	648.8	623.6	592.9	584.0	580.6	626.3	644.1	640.0	646.1
32.5°	839.9	837.8	816.0	665.2	670.7	627.7	682.9	703.4	676.1	777.1	841.9
35°	1009.1	939.5	897.2	796.9	698.0	725.9	706.8	728.0	821.4	831.0	893.1
37.5°	1268.3	1264.2	1167.4	879.4	805.1	743.0	756.6	815.3	876.7	890.4	974.3
40°	1482.6	1462.8	1401.4	1096.4	875.3	803.7	858.3	845.3	910.1	957.9	1038.4
42.5°	1641.5	1659.9	1625.2	1269.0	1016.6	899.9	916.3	899.2	959.3	1048.6	1130.5
45°	1793.7	1786.2	1810.0	1444.4	1152.3	1023.4	1022.0	980.4	1049.3	1149.6	1257.4
47.5°	1917.8	1906.9	1931.5	1634.7	1308.6	1135.3	1144.8	1090.9	1157.1	1275.8	1445.7
50°	2056.3	2035.2	2051.6	1794.4	1512.6	1297.0	1284.0	1242.4	1279.9	1441.6	1675.6
52.5°	2222.8	2207.8	2178.5	1953.3	1722.7	1463.5	1447.1	1406.8	1447.8	1647.7	1930.1
55°	2372.2	2355.2	2331.3	2172.3	1897.4	1632.7	1633.3	1593.1	1672.9	1872.8	2225.5
57.5°	2527.8	2519.6	2531.9	2417.3	2147.1	1809.4	1813.5	1788.9	1932.2	2104.1	2538.7
60°	2656.7	2644.5	2712.7	2667.6	2368.8	2011.3	1994.9	2021.5	2196.9	2345.6	2856.0
62.5°	2705.9	2714.0	2843.0	2898.3	2583.7	2229.0	2235.1	2271.3	2441.8	2634.9	3161.6
65°	2475.2	2503.9	2864.1	2938.5	2823.2	2470.5	2499.8	2493.7	2692.9	2847.8	3419.5
67.5°	2224.9	2257.6	2649.2	2948.7	3008.8	2754.3	2769.3	2708.6	2909.2	2980.8	3611.9
70°	2047.5	2072.7	2394.7	2890.7	3122.7	3050.4	3057.2	2944.6	3066.1	3137.0	3605.1
72.5°	1740.5	1767.1	2064.5	2671.7	3193.7	3409.3	3409.3	3160.9	3193.0	3133.6	3183.4
75°	1176.2	1186.5	1430.0	2074.1	3010.1	3702.0	3737.4	3397.0	3149.3	2846.4	2374.3
76°	844.6	876.0	1080.0	1702.9	2733.8	3668.5	3801.6	3444.7	3064.0	2656.0	1954.0
77.5°	447.6	476.2	637.2	1090.3	2217.4	3411.3	3641.2	3298.1	2793.9	2280.1	1445.0
80°	175.3	173.3	219.0	388.2	1123.0	2594.6	2786.4	2430.9	1889.9	1320.9	686.4
82.5°	96.2	105.8	139.2	205.4	487.1	1431.4	1574.0	1282.7	964.7	609.3	401.2
85°	61.4	62.8	81.9	126.9	300.9	603.1	662.5	549.2	451.7	373.9	285.2
87.5°	36.8	38.2	43.0	58.7	148.7	177.4	193.8	227.9	259.3	257.2	246.3
90°	25.2	25.2	21.2	23.2	69.6	141.9	136.5	145.3	132.4	167.8	237.4
92.5°	24.6	24.6	20.5	21.2	59.4	157.6	158.3	157.6	139.9	171.2	249.7
95°	21.8	22.5	17.7	18.4	43.7	147.4	173.3	167.8	141.2	172.6	249.0
97.5°	18.4	19.1	13.6	15.7	29.3	99.6	128.9	131.7	88.0	87.3	112.6
100°	13.6	14.3	9.6	12.3	17.7	45.7	68.9	64.8	43.7	23.9	15.7
102.5°	13.0	13.6	8.2	9.6	10.9	15.7	25.2	19.1	16.4	13.6	13.6
105°	14.3	14.3	7.5	6.8	6.8	7.5	6.1	8.9	9.6	10.2	14.3
107.5°	12.3	13.0	5.5	5.5	4.8	4.8	4.1	4.1	5.5	8.9	15.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	9.6	9.6	4.8	4.8	3.4	4.1	4.1	3.4	4.8	6.8	12.3
112.5°	5.5	6.1	2.7	4.1	2.7	3.4	3.4	2.7	4.1	4.8	6.8
115°	5.5	5.5	2.7	2.0	2.0	2.0	2.7	2.7	3.4	4.8	7.5
117.5°	5.5	5.5	2.7	2.0	1.4	2.0	2.0	2.0	3.4	4.8	7.5
120°	5.5	5.5	2.7	1.4	1.4	1.4	1.4	2.0	3.4	4.8	7.5
122.5°	6.1	5.5	2.7	1.4	1.4	1.4	1.4	2.0	3.4	4.8	6.8
125°	6.1	5.5	2.7	1.4	1.4	1.4	1.4	2.0	2.7	4.1	6.1
127.5°	6.1	5.5	2.7	1.4	1.4	1.4	1.4	2.0	2.7	4.1	5.5
130°	5.5	5.5	2.7	1.4	1.4	1.4	1.4	2.0	2.7	4.1	5.5
132.5°	5.5	4.8	2.7	1.4	1.4	1.4	1.4	2.0	2.7	3.4	4.8
135°	4.8	4.1	2.7	1.4	2.0	1.4	2.0	2.0	2.7	3.4	4.1
137.5°	4.1	4.1	2.7	2.0	2.0	2.0	2.0	2.0	2.7	3.4	3.4
140°	4.8	4.1	2.7	2.7	2.0	2.0	2.0	2.0	2.7	3.4	3.4
142.5°	5.5	4.8	3.4	2.7	2.7	2.0	2.0	2.7	2.7	3.4	3.4
145°	5.5	5.5	4.1	3.4	2.0	2.0	2.0	2.7	3.4	3.4	4.1
147.5°	6.1	5.5	4.1	3.4	2.0	1.4	2.0	2.0	3.4	4.1	4.1
150°	5.5	5.5	3.4	2.7	1.4	0.7	1.4	2.0	3.4	4.1	4.1
152.5°	4.1	4.1	2.7	1.4	0.7	0.7	1.4	2.0	2.7	3.4	4.1
155°	2.7	2.7	1.4	0.7	0.0	0.7	0.7	1.4	2.0	2.7	3.4
157.5°	1.4	1.4	0.7	0.0	0.0	0.7	0.7	1.4	2.0	2.7	2.7
160°	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.4	1.4	2.0	2.0
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.1	3.4	3.4	2.7	2.7	2.0	2.0	2.0	2.0	2.7	3.4
5°	4.1	4.1	3.4	3.4	3.4	2.7	2.7	4.1	4.8	5.5	5.5
7.5°	4.1	4.1	4.1	3.4	4.1	5.5	21.8	62.8	68.9	73.0	74.4
10°	7.5	6.8	6.1	5.5	10.2	69.6	86.0	93.5	96.9	100.3	100.3
12.5°	71.6	71.6	29.3	16.4	70.3	93.5	98.2	103.7	108.5	113.3	113.9
15°	155.6	153.5	148.1	135.8	117.3	105.8	110.5	163.7	192.4	205.4	203.3
17.5°	178.1	175.3	171.9	195.8	204.0	163.1	190.4	211.5	217.6	224.5	223.8
20°	330.2	326.8	254.5	227.9	223.1	273.6	217.6	222.4	233.3	297.5	299.5
22.5°	369.8	365.7	340.4	347.3	260.6	296.8	287.2	300.9	335.7	345.9	347.3
25°	433.2	416.9	386.2	363.0	369.1	309.7	357.5	335.0	348.0	360.2	362.3
27.5°	599.7	590.2	535.6	406.6	376.6	387.5	372.5	364.3	435.3	461.2	463.3
30°	646.1	636.6	568.3	470.8	397.1	397.1	375.2	454.4	457.8	471.4	474.9
32.5°	878.1	859.0	722.5	478.3	412.1	379.3	425.0	447.6	502.1	543.1	549.9
35°	932.0	915.6	745.7	546.5	398.4	395.0	401.2	471.4	511.7	536.3	541.7
37.5°	987.9	969.5	743.0	520.6	422.3	376.6	390.3	440.7	498.7	562.2	570.4
40°	1064.3	1041.8	746.4	487.1	395.7	356.1	366.4	423.0	462.6	502.1	509.0
42.5°	1166.7	1121.6	752.5	457.1	365.0	347.3	349.3	382.1	400.5	416.9	416.9
45°	1304.5	1231.5	754.6	425.7	334.3	326.8	329.5	344.5	351.4	341.1	336.4
47.5°	1489.4	1367.3	779.8	397.8	308.4	304.3	306.3	311.1	307.7	281.1	276.3
50°	1705.0	1526.9	793.5	373.2	289.3	288.6	285.2	285.2	272.9	242.9	240.8
52.5°	1943.1	1717.3	805.1	343.2	275.6	279.0	279.0	264.7	246.3	222.4	220.4
55°	2245.3	1936.9	822.1	317.3	264.0	263.4	270.9	253.1	234.0	213.5	213.5
57.5°	2545.5	2169.6	842.6	294.7	251.1	252.4	263.4	249.0	238.8	230.6	229.9
60°	2845.7	2409.8	809.8	274.3	246.3	243.6	261.3	264.7	252.4	257.2	262.0
62.5°	3127.5	2563.3	678.2	256.5	237.4	241.5	279.0	300.2	296.1	291.3	292.7
65°	3260.5	2594.6	549.9	240.8	231.3	255.8	307.7	339.8	326.1	310.4	309.1
67.5°	3283.0	2513.5	404.6	231.3	227.9	281.1	330.2	348.6	328.2	322.0	316.6
70°	3124.8	2307.4	323.4	221.1	230.6	285.2	344.5	346.6	331.6	338.4	331.6
72.5°	2657.4	1921.9	283.1	211.5	231.3	275.0	344.5	347.3	330.2	350.0	346.6
75°	1902.8	1347.5	251.8	203.3	223.8	263.4	339.8	346.6	326.1	348.0	342.5
76°	1550.1	1069.1	242.9	205.4	220.4	259.3	338.4	344.5	326.8	346.6	341.1
77.5°	1024.1	698.6	227.9	204.0	214.2	257.2	335.0	341.8	326.1	342.5	337.0
80°	547.9	395.7	205.4	190.4	206.7	258.6	332.3	335.0	313.2	331.6	324.8
82.5°	360.9	294.7	177.4	172.6	199.2	260.6	330.9	326.8	302.2	331.6	313.2
85°	283.1	243.6	133.0	138.5	181.5	251.8	326.8	315.2	292.7	300.9	290.0
87.5°	240.2	200.6	79.8	98.9	159.0	214.2	290.0	260.6	247.7	255.8	251.1
90°	225.8	177.4	45.0	69.6	119.4	142.6	182.8	169.9	164.4	174.0	171.9
92.5°	227.9	173.3	44.3	66.2	127.6	153.5	189.0	174.0	157.6	157.6	155.6
95°	217.6	161.7	43.7	52.5	115.3	149.4	177.4	156.2	126.9	120.8	118.7
97.5°	94.8	78.5	40.9	40.3	66.2	103.0	128.9	111.9	83.9	65.5	65.5
100°	15.7	25.2	35.5	38.9	38.9	54.6	73.0	68.9	40.3	21.2	21.8
102.5°	16.4	14.3	24.6	32.1	25.2	22.5	33.4	41.6	26.6	8.2	8.9
105°	17.1	15.0	12.3	22.5	14.3	7.5	10.2	19.1	12.3	8.2	8.2
107.5°	18.4	15.7	7.5	8.2	6.1	6.1	5.5	4.8	6.1	8.2	8.9



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CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.3	13.0	6.8	6.1	5.5	6.1	4.1	4.1	4.8	8.2	8.9
112.5°	8.2	8.2	6.1	4.8	4.8	5.5	3.4	3.4	4.8	8.9	8.9
115°	8.2	8.2	5.5	4.1	3.4	4.1	3.4	2.7	4.8	8.9	9.6
117.5°	8.2	8.2	5.5	4.1	3.4	2.7	2.7	2.7	4.8	8.9	9.6
120°	8.2	7.5	4.8	3.4	3.4	2.0	2.0	2.0	4.1	8.9	9.6
122.5°	7.5	7.5	4.8	3.4	2.7	2.0	2.0	2.0	4.1	8.2	8.9
125°	6.8	6.8	4.8	3.4	2.7	2.0	1.4	2.0	4.1	7.5	8.2
127.5°	6.1	6.1	4.1	3.4	2.7	2.0	1.4	2.0	4.1	7.5	8.2
130°	5.5	5.5	4.1	2.7	2.7	1.4	1.4	1.4	4.1	6.8	7.5
132.5°	4.8	4.8	3.4	2.7	2.0	1.4	0.7	1.4	3.4	6.1	6.1
135°	4.1	4.1	3.4	2.7	2.0	1.4	0.7	1.4	2.7	4.8	5.5
137.5°	3.4	3.4	2.7	2.7	2.0	1.4	0.7	1.4	2.0	4.1	4.1
140°	3.4	3.4	2.7	2.7	2.0	1.4	0.7	1.4	2.0	3.4	4.1
142.5°	3.4	3.4	2.7	2.7	2.0	1.4	0.7	1.4	2.0	3.4	4.1
145°	4.1	3.4	3.4	2.7	2.0	1.4	0.7	1.4	2.7	4.1	4.1
147.5°	4.1	4.1	3.4	2.7	2.0	1.4	0.7	1.4	2.7	4.1	4.1
150°	4.1	4.1	3.4	2.7	2.0	0.7	0.0	0.7	2.0	3.4	4.1
152.5°	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.0	1.4	2.7	2.7
155°	3.4	2.7	2.7	2.0	1.4	0.7	0.0	0.0	0.7	1.4	1.4
157.5°	2.7	2.7	2.0	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.7
160°	2.0	2.0	1.4	1.4	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

(END OF REPORT)