

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: P416493

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5955 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

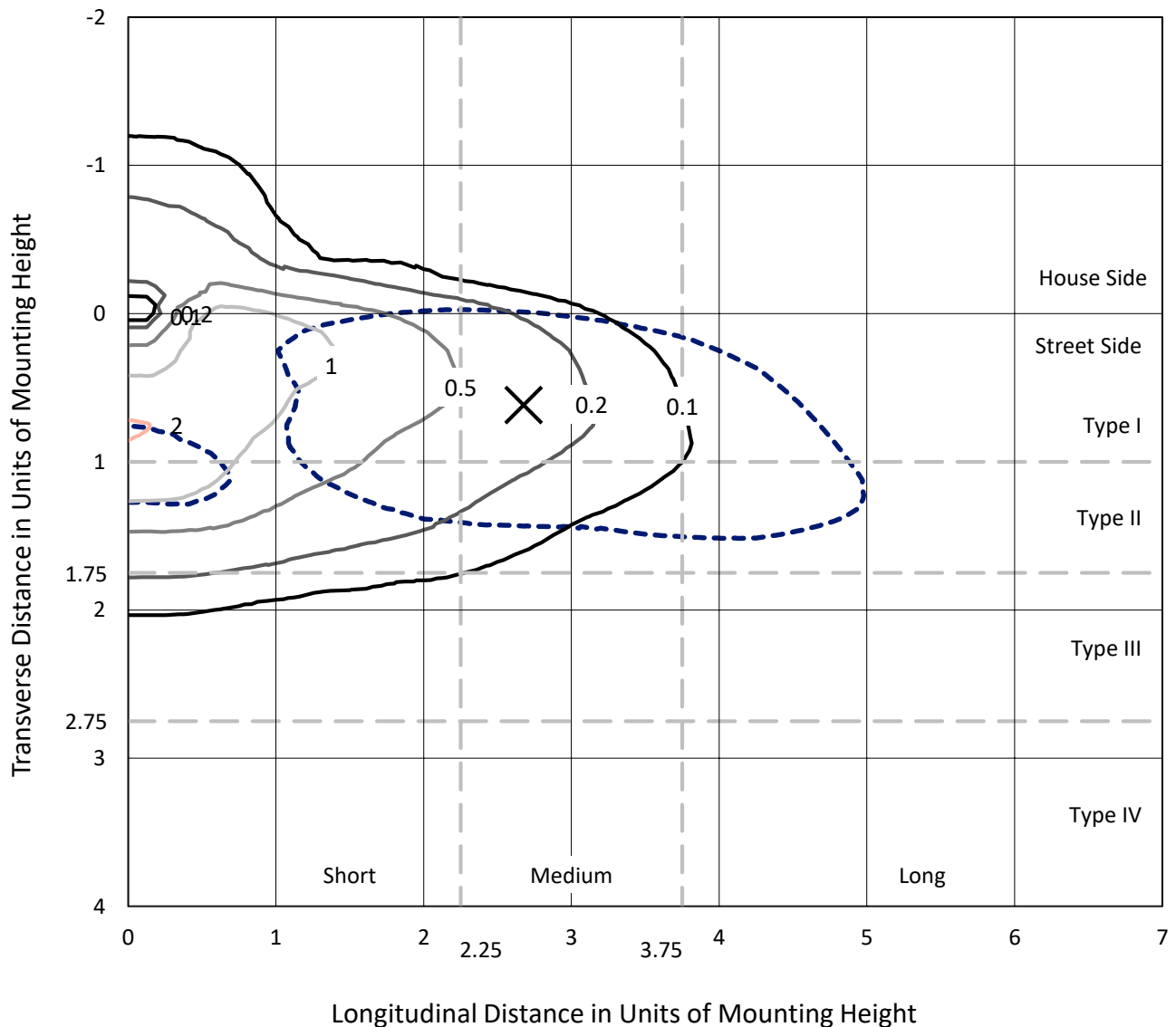
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

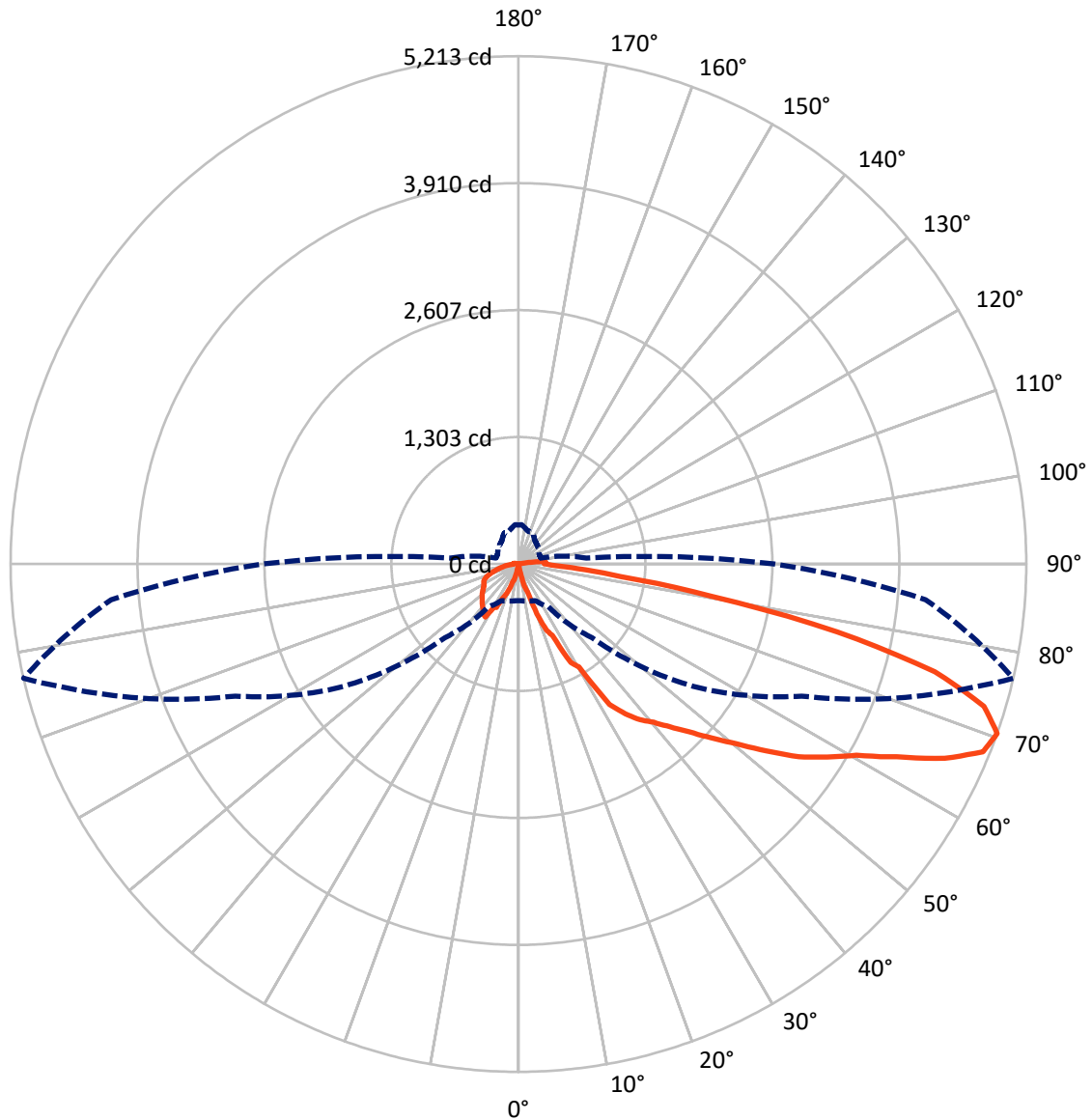
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1007.2	44.2	1051.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	4848.6	55.0	4903.7
	% Fixture	81.4	0.9	82.3
Total	Lumens	5855.8	99.2	5955.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	70.9	1.2
20°-30°	280.6	4.7
30°-40°	677.8	11.4
40°-50°	1096.2	18.4
50°-60°	1311.1	22.0
60°-70°	1282.1	21.5
70°-80°	886.3	14.9
80°-90°	246.0	4.1
90°-100°	64.7	1.1
100°-110°	13.3	0.2
110°-120°	7.1	0.1
120°-130°	5.7	0.1
130°-140°	3.9	0.1
140°-150°	3.2	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5855.8	98.3
0°-180°	5955.0	100.0



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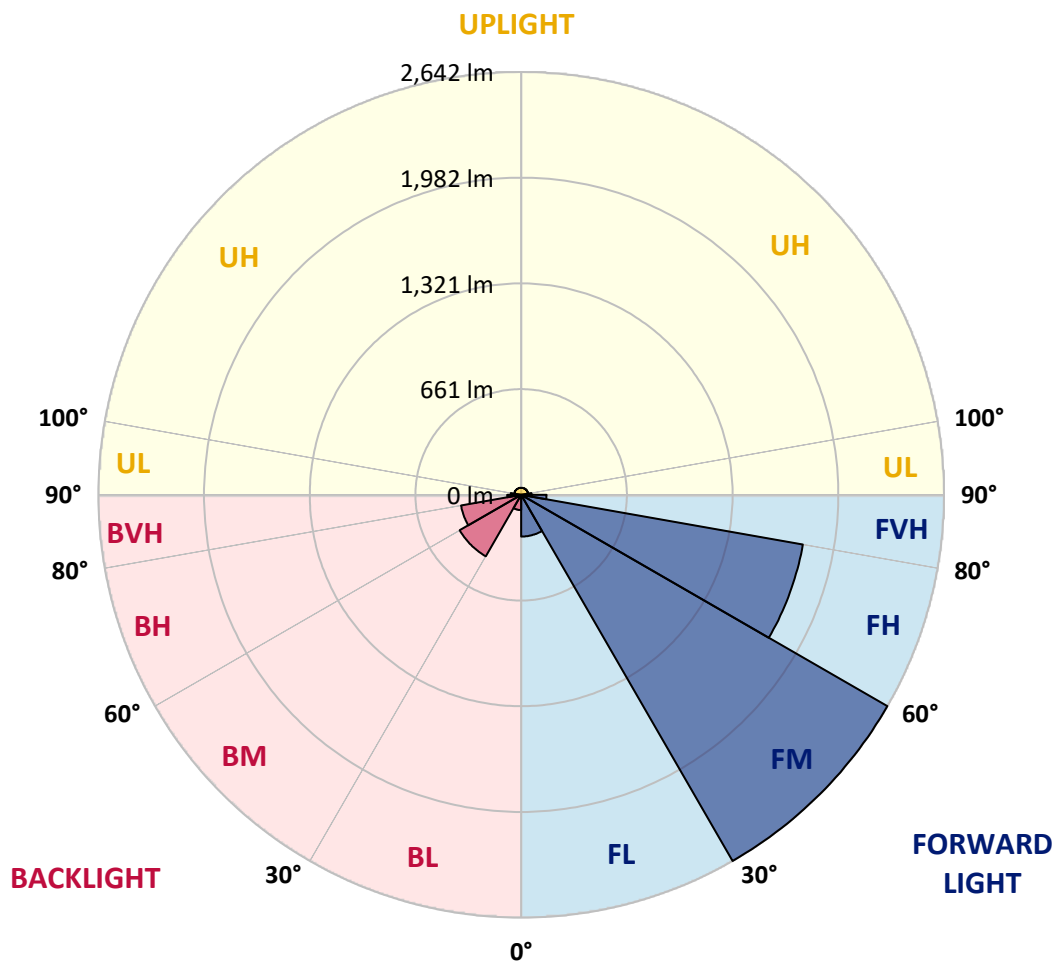
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.9	4.4			
FM (30°-60°)	2642.1	44.4			
FH (60°-80°)	1787.2	30.0			G1/1800
FVH (80°-90°)	158.5	2.7			G2/225
BL (0°-30°)	95.4	1.6	B0/110		
BM (30°-60°)	443.0	7.4	B1/1000		
BH (60°-80°)	381.3	6.4	B1/500		G1/500
BVH (80°-90°)	87.5	1.5			G1/100
UL (90°-100°)	64.7	1.1		U3/500	
UH (100°-180°)	44.2	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	7.4	6.7	6.7	7.4	8.7	8.1	6.1	4.7	4.0	4.0	4.0
5°	145.9	141.2	137.9	97.5	21.5	12.8	8.1	6.1	4.7	4.7	4.0
7.5°	174.2	171.5	170.2	165.5	160.1	149.3	26.9	8.7	5.4	5.4	4.7
10°	197.1	195.0	192.4	189.7	182.3	174.9	160.1	22.2	8.7	8.7	7.4
12.5°	401.5	395.5	390.1	277.1	205.8	197.7	183.6	125.8	95.5	92.1	111.0
15°	412.3	412.3	412.3	415.6	409.6	220.6	300.6	376.6	248.8	240.8	248.8
17.5°	439.2	435.1	428.4	430.4	438.5	486.9	448.6	419.0	331.6	294.6	286.5
20°	657.1	653.7	655.7	608.0	467.4	613.4	609.3	472.1	538.7	546.1	532.0
22.5°	701.5	700.8	698.8	696.1	799.0	651.0	700.8	742.5	752.6	737.8	612.0
25°	995.4	988.0	898.5	757.3	856.2	783.5	934.9	823.2	838.0	811.8	775.5
27.5°	1137.3	1121.8	1106.4	1064.0	919.4	1047.2	994.7	1085.5	1216.7	1146.7	986.6
30°	1500.5	1509.2	1259.0	1244.9	1137.3	1110.4	1218.0	1275.9	1277.2	1226.1	1107.7
32.5°	1847.5	1824.0	1765.5	1513.9	1354.5	1243.6	1412.4	1358.6	1671.3	1719.7	1501.8
35°	2187.8	2142.1	1970.6	1799.8	1580.5	1532.8	1513.3	1700.9	1819.3	1888.6	1624.9
37.5°	2672.8	2639.8	2475.7	2029.1	1822.0	1649.8	1774.2	1810.5	1998.9	2028.4	1793.1
40°	2851.0	2828.8	2692.3	2341.9	2011.0	1841.5	1891.2	1942.4	2177.1	2136.1	1919.5
42.5°	2978.8	2970.7	2861.8	2505.3	2257.1	2031.8	2026.4	2052.7	2360.0	2284.7	2045.9
45°	3077.0	3065.5	3001.0	2610.2	2373.5	2149.5	2172.4	2188.5	2520.8	2454.9	2190.5
47.5°	3058.1	3062.8	3071.6	2740.7	2442.7	2264.5	2321.7	2305.5	2651.9	2667.4	2352.6
50°	2913.5	2923.0	2987.5	2793.2	2482.4	2358.7	2450.8	2436.0	2834.8	2899.4	2539.6
52.5°	2483.8	2499.2	2738.7	2711.8	2517.4	2432.7	2583.3	2586.7	3048.7	3185.9	2778.4
55°	1818.6	1877.1	2168.3	2442.1	2479.1	2456.2	2672.1	2777.7	3294.9	3492.6	2991.6
57.5°	1462.8	1450.7	1651.8	2050.6	2289.4	2427.3	2765.6	2947.8	3519.5	3738.8	3204.8
60°	1135.3	1139.3	1288.0	1573.8	1957.2	2356.0	2861.1	3101.2	3795.9	3986.3	3465.7
62.5°	845.4	853.5	961.1	1131.9	1577.8	2156.9	2890.7	3292.9	4180.0	4360.2	3781.1
65°	614.0	627.5	686.0	790.9	1140.0	1858.3	2800.5	3436.1	4605.7	4810.8	4118.1
67.5°	461.4	468.8	503.1	567.0	814.5	1474.9	2577.9	3427.4	4819.6	5142.4	4262.7
70°	375.3	378.7	391.4	414.3	534.7	1069.4	2187.2	3206.8	4865.3	5213.0	4195.4
72.5°	318.8	317.4	318.1	321.5	369.2	731.1	1689.5	2793.8	4690.4	4998.5	3892.1
75°	272.4	270.4	270.4	267.0	285.2	513.2	1163.5	2255.1	4225.7	4416.7	3278.7
77.5°	232.0	228.7	228.0	221.3	229.3	382.0	770.8	1679.4	3343.3	3346.7	2324.4
80°	197.7	191.7	189.0	184.3	193.7	291.2	503.1	1095.6	2045.3	2012.3	1290.0
82.5°	145.9	145.9	150.0	151.3	166.8	215.9	355.1	651.7	1116.5	1056.6	747.9
85°	84.1	91.5	108.3	110.3	127.8	143.3	267.0	386.1	624.8	602.6	383.4
87.5°	30.9	29.6	45.1	47.8	53.8	53.8	145.3	211.9	327.5	341.0	302.0
90°	25.6	25.6	17.5	16.1	20.8	35.0	98.2	148.6	246.2	264.3	285.2
92.5°	26.9	26.9	17.5	15.5	19.5	30.9	82.7	140.6	258.3	283.1	294.6
95°	25.6	26.2	15.5	14.1	18.2	26.2	61.9	120.4	248.2	271.7	287.9
97.5°	22.2	22.9	12.8	12.1	16.1	18.8	33.6	59.9	123.8	128.5	133.2
100°	18.2	18.2	9.4	10.1	12.8	12.8	17.5	31.6	30.3	24.9	21.5
102.5°	15.5	16.8	8.7	8.1	9.4	8.1	8.1	12.1	18.2	15.5	20.8
105°	12.8	14.1	7.4	6.7	7.4	6.7	5.4	8.7	13.5	15.5	22.2
107.5°	8.7	9.4	5.4	6.1	6.1	6.1	4.0	6.7	12.8	14.8	22.9
110°	6.1	6.1	4.0	5.4	5.4	6.1	4.0	6.7	10.1	11.4	18.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.0	4.0	3.4	4.0	4.7	4.7	4.0	6.1	8.7	9.4	12.8
115°	3.4	3.4	2.7	3.4	4.0	4.0	3.4	5.4	8.7	10.1	13.5
117.5°	4.0	3.4	2.7	3.4	4.0	3.4	3.4	4.7	8.7	10.1	13.5
120°	4.0	4.0	3.4	3.4	3.4	3.4	3.4	4.7	8.7	10.1	13.5
122.5°	4.7	4.0	3.4	3.4	3.4	3.4	3.4	4.0	8.1	9.4	12.8
125°	4.7	4.7	3.4	3.4	4.0	3.4	3.4	4.0	8.1	8.7	12.1
127.5°	5.4	4.7	4.0	3.4	4.0	3.4	3.4	4.0	7.4	8.1	10.8
130°	5.4	5.4	4.0	3.4	4.0	3.4	3.4	3.4	6.1	6.7	9.4
132.5°	5.4	5.4	4.7	4.0	4.7	4.0	3.4	3.4	4.7	5.4	7.4
135°	6.1	5.4	5.4	4.7	5.4	4.7	3.4	3.4	3.4	4.0	5.4
137.5°	6.1	6.1	6.1	5.4	6.1	4.7	3.4	3.4	3.4	3.4	4.0
140°	7.4	7.4	6.7	6.1	6.7	5.4	4.0	3.4	3.4	3.4	4.0
142.5°	8.7	8.7	8.1	7.4	6.7	5.4	4.7	4.0	4.0	4.0	4.0
145°	10.1	9.4	9.4	8.1	6.7	5.4	4.7	4.7	4.7	4.7	4.7
147.5°	10.1	10.1	9.4	7.4	6.1	4.0	4.0	5.4	5.4	5.4	5.4
150°	9.4	9.4	8.1	6.7	4.7	3.4	3.4	4.7	5.4	5.4	5.4
152.5°	7.4	6.7	6.1	4.0	3.4	2.0	2.7	3.4	4.0	4.0	4.7
155°	4.7	4.0	3.4	2.7	2.7	2.0	2.0	2.7	2.7	2.7	3.4
157.5°	2.0	2.0	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.7	0.7	0.7	0.7	2.0	2.0	2.0	1.3	1.3	1.3	1.3
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.0	4.0	4.0	4.0	4.0	3.4	4.0	4.7	5.4	5.4	5.4
5°	4.0	4.0	4.0	4.7	4.7	4.0	4.7	6.1	6.7	6.7	6.7
7.5°	4.7	4.0	4.7	5.4	5.4	5.4	23.5	67.9	75.3	76.7	78.0
10°	6.7	6.7	6.7	7.4	8.1	70.6	83.4	87.4	90.1	92.1	92.8
12.5°	102.2	89.5	55.8	14.8	71.3	87.4	92.1	98.9	102.2	106.3	104.9
15°	229.3	203.1	152.7	130.5	127.8	97.5	102.2	170.2	189.0	192.4	191.7
17.5°	259.6	223.3	170.2	181.6	189.0	146.6	172.2	190.3	193.7	197.1	196.4
20°	482.9	384.7	230.7	199.8	197.7	247.5	183.6	189.7	196.4	231.4	235.4
22.5°	536.0	442.5	302.0	292.6	238.8	251.5	239.4	242.8	263.6	263.6	262.3
25°	671.2	535.4	341.0	298.6	303.3	250.2	281.1	242.8	246.8	246.8	247.5
27.5°	873.0	688.0	452.6	332.9	300.0	302.7	267.0	246.2	281.8	285.8	287.9
30°	934.2	714.3	447.9	371.9	313.4	293.9	249.5	275.8	265.7	265.7	263.6
32.5°	1305.4	974.5	557.6	363.9	321.5	273.1	276.4	259.6	254.9	275.8	275.8
35°	1378.8	1003.5	538.0	409.6	308.7	284.5	263.0	267.0	258.3	256.9	254.9
37.5°	1462.8	1023.6	494.3	384.7	326.2	273.1	271.7	261.6	250.2	266.3	269.0
40°	1542.9	1043.1	459.4	355.1	301.3	271.7	266.3	261.0	236.7	236.7	236.1
42.5°	1633.0	1055.9	427.7	331.6	277.1	272.4	257.6	240.8	224.6	229.3	228.0
45°	1726.5	1064.0	395.5	305.3	255.6	281.8	258.3	250.9	238.1	240.1	238.1
47.5°	1841.5	1077.4	367.2	279.8	242.1	258.3	244.1	240.8	248.2	241.4	245.5
50°	1963.9	1084.8	341.0	257.6	228.7	250.9	252.9	242.8	248.2	236.7	236.1
52.5°	2110.5	1091.6	312.7	242.8	226.7	249.5	265.0	254.2	244.8	230.0	228.7
55°	2239.6	1070.0	288.5	233.4	240.1	246.8	275.1	262.3	242.8	226.0	226.7
57.5°	2380.2	1042.5	269.0	229.3	237.4	242.1	289.2	273.7	251.5	252.2	252.9
60°	2525.5	1016.2	256.9	228.7	234.1	244.1	291.2	289.2	263.0	269.0	273.7
62.5°	2699.0	995.4	254.9	233.4	246.2	254.9	293.2	314.1	291.2	293.9	295.3
65°	2834.8	934.9	252.9	236.1	250.9	256.9	293.9	331.6	321.5	337.0	335.6
67.5°	2793.2	823.2	249.5	238.8	254.2	267.7	293.2	344.4	343.0	378.7	375.3
70°	2623.0	699.5	238.8	235.4	255.6	273.1	293.9	347.7	353.8	404.2	400.8
72.5°	2336.5	564.3	219.3	226.0	256.2	279.8	302.7	348.4	355.1	426.4	416.3
75°	1955.1	456.0	190.3	204.5	264.3	283.8	304.7	341.7	341.7	408.9	396.1
77.5°	1407.0	351.1	164.1	185.6	261.6	281.1	298.6	326.2	321.5	353.8	341.7
80°	819.9	258.9	139.9	182.3	245.5	275.8	281.8	287.9	265.7	273.1	265.7
82.5°	492.3	191.7	121.1	163.4	215.9	248.2	252.9	242.8	213.2	212.5	202.4
85°	295.3	131.1	88.8	126.4	170.2	207.1	212.5	184.3	156.7	172.8	154.7
87.5°	217.9	82.7	61.2	78.7	103.6	96.8	126.4	119.0	101.6	97.5	96.2
90°	196.4	63.2	50.4	63.9	69.9	59.9	64.6	64.6	52.5	51.8	49.1
92.5°	194.4	59.2	53.8	62.5	56.5	47.8	52.5	51.8	41.7	39.7	37.7
95°	181.6	53.1	53.8	56.5	49.8	39.0	42.4	39.7	29.6	27.6	25.6
97.5°	85.4	37.0	51.1	49.1	41.0	30.3	35.0	30.3	20.8	18.2	18.2
100°	20.2	31.6	43.7	44.4	33.0	22.9	24.2	19.5	13.5	11.4	11.4
102.5°	20.2	14.1	26.9	35.0	20.2	9.4	13.5	12.8	10.1	10.1	10.8
105°	20.2	13.5	13.5	22.9	12.1	6.1	6.1	8.1	8.7	11.4	12.8
107.5°	20.8	14.1	10.8	10.8	8.7	6.1	5.4	6.1	8.7	13.5	14.1
110°	17.5	12.8	10.1	9.4	8.7	6.1	4.7	6.1	8.7	14.8	16.1



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CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.8	11.4	8.7	8.7	7.4	6.1	4.7	5.4	9.4	16.1	17.5
115°	12.8	10.8	8.1	7.4	6.1	5.4	4.7	5.4	10.1	17.5	18.8
117.5°	13.5	10.8	7.4	6.7	5.4	4.0	4.0	5.4	10.1	18.2	19.5
120°	13.5	10.8	7.4	6.7	5.4	4.0	4.0	6.1	10.8	17.5	18.8
122.5°	12.8	10.8	7.4	6.7	5.4	3.4	4.0	5.4	10.1	16.8	18.2
125°	11.4	10.1	7.4	6.1	5.4	3.4	4.0	5.4	10.1	16.1	16.8
127.5°	10.8	9.4	6.7	6.1	4.7	3.4	4.0	5.4	9.4	14.8	15.5
130°	9.4	8.7	6.1	5.4	4.7	3.4	4.0	5.4	9.4	13.5	14.1
132.5°	7.4	6.7	5.4	4.7	4.7	3.4	4.0	4.7	7.4	11.4	12.1
135°	5.4	5.4	4.7	4.7	4.7	3.4	4.0	4.0	6.1	8.7	9.4
137.5°	4.0	4.0	4.0	4.7	4.0	3.4	3.4	4.0	5.4	6.7	7.4
140°	4.0	4.0	4.0	4.7	4.0	3.4	3.4	4.0	4.7	5.4	6.1
142.5°	4.0	4.0	4.0	4.7	4.0	2.7	3.4	4.0	4.7	5.4	5.4
145°	4.7	4.7	4.7	4.7	4.0	2.7	2.7	4.0	4.7	5.4	5.4
147.5°	5.4	5.4	4.7	4.7	4.0	2.0	2.0	4.0	4.7	5.4	5.4
150°	5.4	5.4	4.7	4.7	3.4	2.0	2.0	3.4	4.7	4.7	4.7
152.5°	4.0	4.0	4.0	4.0	3.4	1.3	1.3	2.7	4.0	4.0	4.0
155°	3.4	3.4	3.4	3.4	2.7	1.3	0.7	2.0	3.4	3.4	3.4
157.5°	2.0	2.7	2.7	3.4	2.7	1.3	0.7	1.3	2.7	2.7	2.7
160°	1.3	2.0	2.0	2.7	2.7	1.3	0.7	1.3	2.0	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

(END OF REPORT)