

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: P416337

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416337
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-PA1-70-740-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 8100 lumens
Efficiency: N/A
Efficacy: 109.5 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: B2 - 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

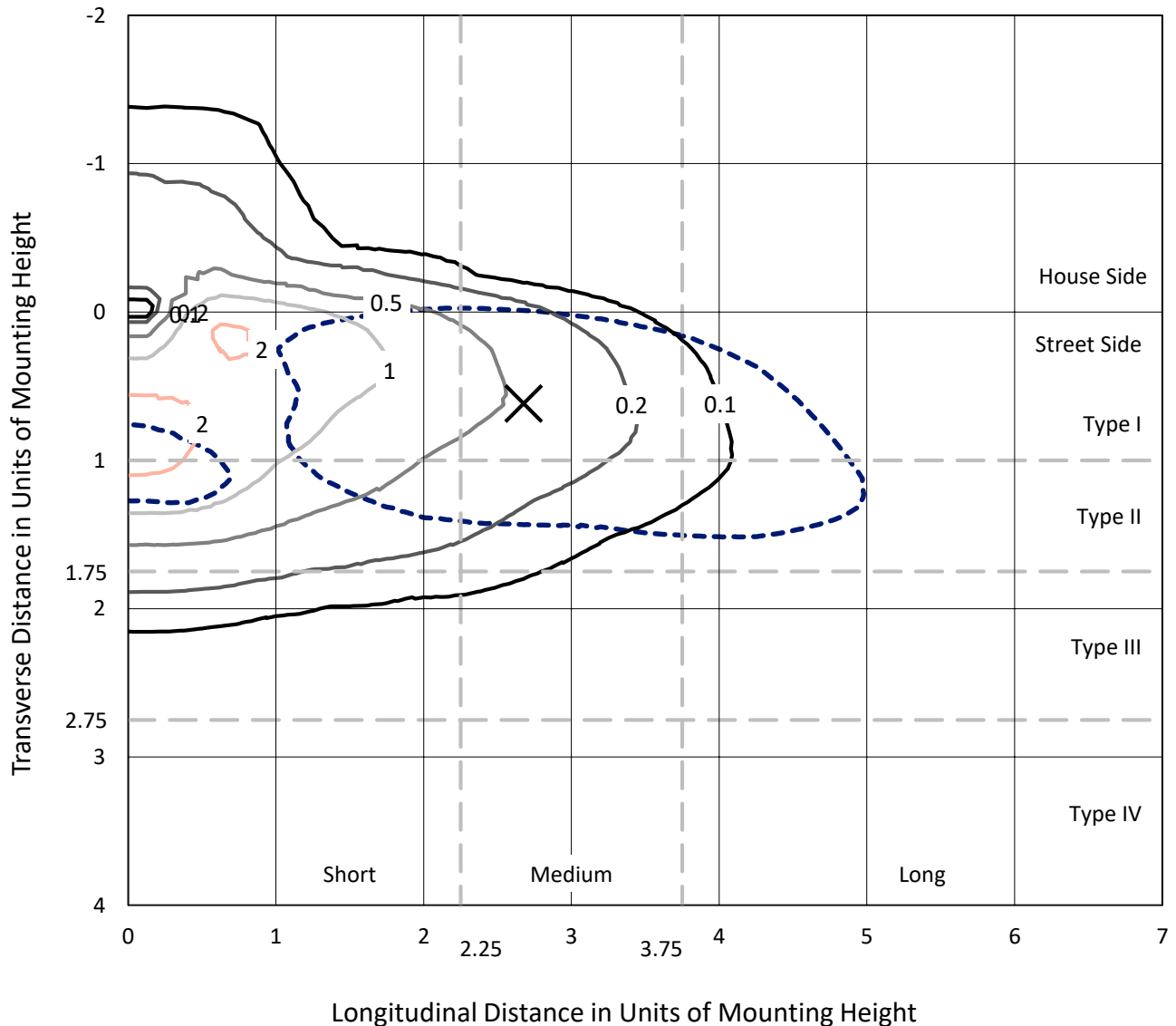


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

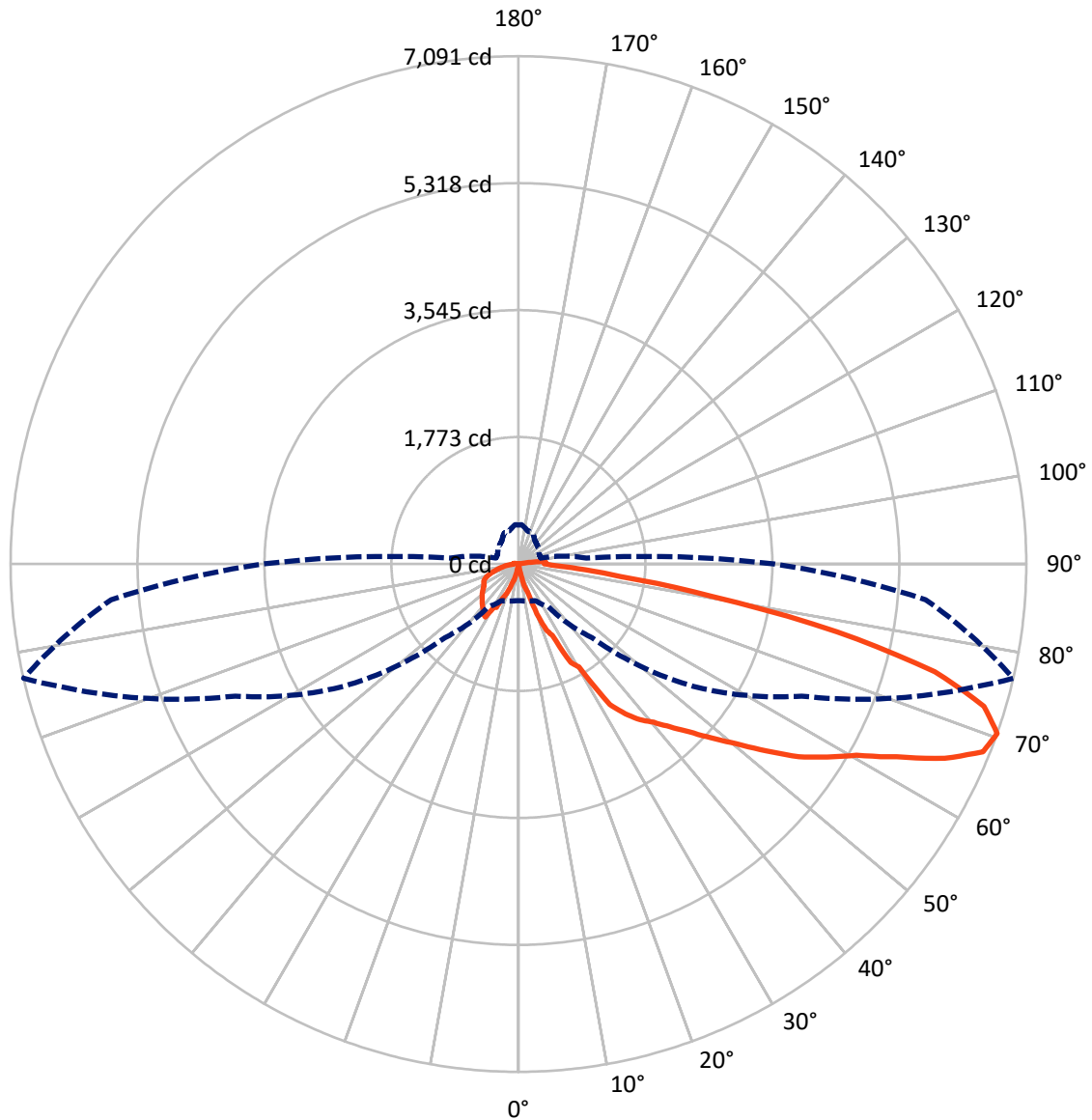


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - Non-Cutoff

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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	1370.0	60.1	1430.1
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6595.1	74.8	6669.9
	% Fixture	81.4	0.9	82.3
Total	Lumens	7965.1	134.9	8100.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	96.4	1.2
20°-30°	381.7	4.7
30°-40°	921.9	11.4
40°-50°	1491.1	18.4
50°-60°	1783.4	22.0
60°-70°	1744.0	21.5
70°-80°	1205.6	14.9
80°-90°	334.6	4.1
90°-100°	88.0	1.1
100°-110°	18.0	0.2
110°-120°	9.6	0.1
120°-130°	7.7	0.1
130°-140°	5.3	0.1
140°-150°	4.3	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7965.1	98.3
0°-180°	8100.0	100.0



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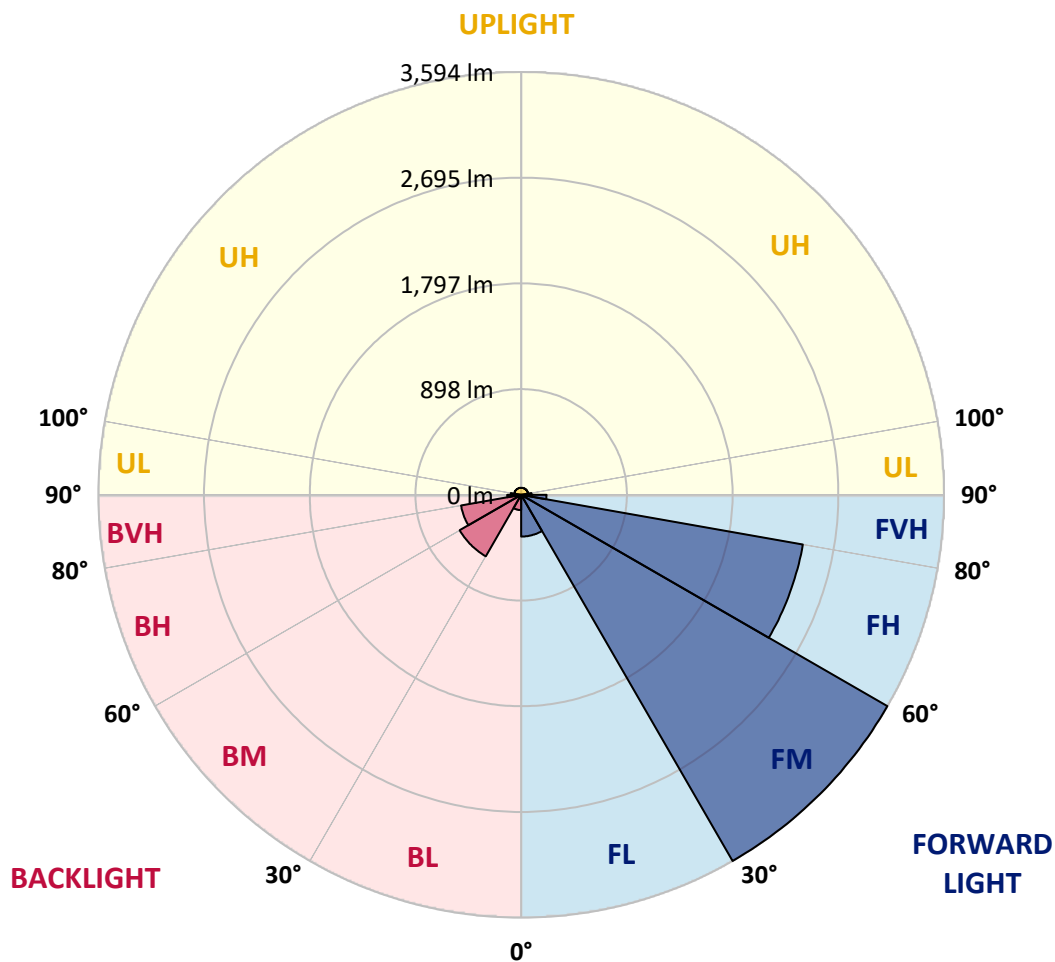
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.9	4.4			
FM	(30°-60°)	3593.7	44.4			
FH	(60°-80°)	2430.9	30.0			G2/5000
FVH	(80°-90°)	215.6	2.7			G2/225
BL	(0°-30°)	129.7	1.6	B1/500		
BM	(30°-60°)	602.6	7.4	B1/1000		
BH	(60°-80°)	518.6	6.4	B2/1000		G2/1000
BVH	(80°-90°)	119.0	1.5			G2/225
UL	(90°-100°)	88.0	1.1		U3/500	
UH	(100°-180°)	60.1	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.1	9.1	9.1	10.1	11.9	11.0	8.2	6.4	5.5	5.5	5.5
5°	198.5	192.1	187.5	132.6	29.3	17.4	11.0	8.2	6.4	6.4	5.5
7.5°	236.9	233.3	231.4	225.0	217.7	203.1	36.6	11.9	7.3	7.3	6.4
10°	268.0	265.3	261.6	258.0	247.9	237.9	217.7	30.2	11.9	11.9	10.1
12.5°	546.1	537.9	530.6	376.9	279.9	269.0	249.7	171.1	129.9	125.3	150.9
15°	560.8	560.8	560.8	565.4	557.1	300.1	408.9	512.3	338.5	327.5	338.5
17.5°	597.4	591.9	582.7	585.5	596.5	662.3	610.2	569.9	451.0	400.7	389.7
20°	893.8	889.2	891.9	827.0	635.8	834.3	828.8	642.2	732.8	742.8	723.6
22.5°	954.2	953.2	950.5	946.8	1086.8	885.5	953.2	1010.0	1023.7	1003.6	832.5
25°	1353.9	1343.9	1222.2	1030.1	1164.6	1065.8	1271.6	1119.7	1139.9	1104.2	1054.8
27.5°	1547.0	1525.9	1504.9	1447.2	1250.6	1424.4	1353.0	1476.5	1654.9	1559.8	1342.0
30°	2041.0	2052.9	1712.5	1693.3	1547.0	1510.4	1656.7	1735.4	1737.2	1667.7	1506.7
32.5°	2513.0	2481.0	2401.4	2059.3	1842.4	1691.5	1921.1	1847.9	2273.3	2339.2	2042.8
35°	2975.9	2913.7	2680.4	2448.1	2149.8	2084.9	2058.3	2313.6	2474.6	2568.8	2210.2
37.5°	3635.5	3590.7	3367.5	2760.0	2478.2	2244.1	2413.3	2462.7	2718.8	2759.1	2438.9
40°	3877.9	3847.7	3662.0	3185.4	2735.3	2504.8	2572.5	2642.0	2961.3	2905.5	2610.9
42.5°	4051.7	4040.8	3892.6	3407.7	3070.1	2763.7	2756.4	2792.0	3210.1	3107.6	2782.9
45°	4185.3	4169.8	4081.9	3550.4	3228.4	2923.8	2954.9	2976.8	3428.7	3339.1	2979.6
47.5°	4159.7	4166.1	4178.0	3727.9	3322.6	3080.2	3158.0	3136.0	3607.1	3628.2	3200.0
50°	3963.0	3975.8	4063.6	3799.2	3376.6	3208.3	3333.6	3313.5	3856.0	3943.8	3454.4
52.5°	3378.4	3399.5	3725.1	3688.6	3424.2	3308.9	3513.8	3518.4	4146.9	4333.5	3779.1
55°	2473.7	2553.3	2949.4	3321.7	3372.0	3340.9	3634.6	3778.2	4481.7	4750.7	4069.1
57.5°	1989.7	1973.3	2246.8	2789.3	3114.0	3301.6	3761.7	4009.7	4787.3	5085.5	4359.1
60°	1544.2	1549.7	1751.9	2140.7	2662.1	3204.6	3891.6	4218.2	5163.2	5422.1	4714.1
62.5°	1149.9	1160.9	1307.3	1539.6	2146.2	2933.8	3931.9	4479.0	5685.6	5930.8	5143.1
65°	835.2	853.5	933.1	1075.8	1550.6	2527.6	3809.3	4673.8	6264.7	6543.7	5601.4
67.5°	627.6	637.6	684.3	771.2	1107.8	2006.2	3506.5	4661.9	6555.6	6994.7	5798.1
70°	510.5	515.0	532.4	563.5	727.3	1454.6	2975.0	4361.9	6617.8	7090.8	5706.6
72.5°	433.6	431.8	432.7	437.3	502.2	994.4	2298.0	3800.2	6380.0	6798.9	5294.1
75°	370.5	367.8	367.8	363.2	387.9	698.0	1582.6	3067.4	5747.8	6007.6	4459.7
77.5°	315.6	311.0	310.1	301.0	312.0	519.6	1048.4	2284.3	4547.6	4552.1	3161.6
80°	269.0	260.7	257.1	250.7	263.5	396.1	684.3	1490.2	2782.0	2737.1	1754.6
82.5°	198.5	198.5	204.0	205.8	226.9	293.7	483.0	886.5	1518.6	1437.2	1017.3
85°	114.4	124.4	147.3	150.0	173.8	194.9	363.2	525.1	849.9	819.7	521.4
87.5°	42.1	40.3	61.3	65.0	73.2	73.2	197.6	288.2	445.5	463.8	410.8
90°	34.8	34.8	23.8	22.0	28.4	47.6	133.6	202.2	334.8	359.5	387.9
92.5°	36.6	36.6	23.8	21.0	26.5	42.1	112.5	191.2	351.3	385.1	400.7
95°	34.8	35.7	21.0	19.2	24.7	35.7	84.2	163.8	337.6	369.6	391.5
97.5°	30.2	31.1	17.4	16.5	22.0	25.6	45.7	81.4	168.3	174.7	181.1
100°	24.7	24.7	12.8	13.7	17.4	17.4	23.8	43.0	41.2	33.8	29.3
102.5°	21.0	22.9	11.9	11.0	12.8	11.0	11.0	16.5	24.7	21.0	28.4
105°	17.4	19.2	10.1	9.1	10.1	9.1	7.3	11.9	18.3	21.0	30.2
107.5°	11.9	12.8	7.3	8.2	8.2	8.2	5.5	9.1	17.4	20.1	31.1
110°	8.2	8.2	5.5	7.3	7.3	8.2	5.5	9.1	13.7	15.6	24.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.5	5.5	4.6	5.5	6.4	6.4	5.5	8.2	11.9	12.8	17.4
115°	4.6	4.6	3.7	4.6	5.5	5.5	4.6	7.3	11.9	13.7	18.3
117.5°	5.5	4.6	3.7	4.6	5.5	4.6	4.6	6.4	11.9	13.7	18.3
120°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	6.4	11.9	13.7	18.3
122.5°	6.4	5.5	4.6	4.6	4.6	4.6	4.6	5.5	11.0	12.8	17.4
125°	6.4	6.4	4.6	4.6	5.5	4.6	4.6	5.5	11.0	11.9	16.5
127.5°	7.3	6.4	5.5	4.6	5.5	4.6	4.6	5.5	10.1	11.0	14.6
130°	7.3	7.3	5.5	4.6	5.5	4.6	4.6	4.6	8.2	9.1	12.8
132.5°	7.3	7.3	6.4	5.5	6.4	5.5	4.6	4.6	6.4	7.3	10.1
135°	8.2	7.3	7.3	6.4	7.3	6.4	4.6	4.6	4.6	5.5	7.3
137.5°	8.2	8.2	8.2	7.3	8.2	6.4	4.6	4.6	4.6	4.6	5.5
140°	10.1	10.1	9.1	8.2	9.1	7.3	5.5	4.6	4.6	4.6	5.5
142.5°	11.9	11.9	11.0	10.1	9.1	7.3	6.4	5.5	5.5	5.5	5.5
145°	13.7	12.8	12.8	11.0	9.1	7.3	6.4	6.4	6.4	6.4	6.4
147.5°	13.7	13.7	12.8	10.1	8.2	5.5	5.5	7.3	7.3	7.3	7.3
150°	12.8	12.8	11.0	9.1	6.4	4.6	4.6	6.4	7.3	7.3	7.3
152.5°	10.1	9.1	8.2	5.5	4.6	2.7	3.7	4.6	5.5	5.5	6.4
155°	6.4	5.5	4.6	3.7	3.7	2.7	2.7	3.7	3.7	3.7	4.6
157.5°	2.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.9	0.9	0.9	0.9	2.7	2.7	2.7	1.8	1.8	1.8	1.8
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	5.5	5.5	5.5	5.5	5.5	4.6	5.5	6.4	7.3	7.3	7.3
5°	5.5	5.5	5.5	6.4	6.4	5.5	6.4	8.2	9.1	9.1	9.1
7.5°	6.4	5.5	6.4	7.3	7.3	7.3	32.0	92.4	102.5	104.3	106.1
10°	9.1	9.1	9.1	10.1	11.0	96.1	113.4	118.9	122.6	125.3	126.2
12.5°	139.1	121.7	75.9	20.1	97.0	118.9	125.3	134.5	139.1	144.5	142.7
15°	312.0	276.3	207.7	177.5	173.8	132.6	139.1	231.4	257.1	261.6	260.7
17.5°	353.1	303.7	231.4	247.0	257.1	199.4	234.2	258.9	263.5	268.0	267.1
20°	656.8	523.3	313.8	271.7	269.0	336.7	249.7	258.0	267.1	314.7	320.2
22.5°	729.1	602.0	410.8	397.9	324.8	342.1	325.7	330.3	358.6	358.6	356.8
25°	913.0	728.2	463.8	406.2	412.6	340.3	382.4	330.3	335.7	335.7	336.7
27.5°	1187.4	935.9	615.7	452.8	408.0	411.7	363.2	334.8	383.3	388.8	391.5
30°	1270.7	971.5	609.3	505.9	426.3	399.8	339.4	375.1	361.4	361.4	358.6
32.5°	1775.7	1325.6	758.4	494.9	437.3	371.4	376.0	353.1	346.7	375.1	375.1
35°	1875.4	1364.9	731.9	557.1	419.9	387.0	357.7	363.2	351.3	349.5	346.7
37.5°	1989.7	1392.4	672.4	523.3	443.7	371.4	369.6	355.9	340.3	362.3	365.9
40°	2098.6	1418.9	624.8	483.0	409.8	369.6	362.3	355.0	322.0	322.0	321.1
42.5°	2221.2	1436.3	581.8	451.0	376.9	370.5	350.4	327.5	305.5	312.0	310.1
45°	2348.3	1447.2	537.9	415.3	347.6	383.3	351.3	341.2	323.8	326.6	323.8
47.5°	2504.8	1465.5	499.5	380.6	329.3	351.3	332.1	327.5	337.6	328.4	333.9
50°	2671.3	1475.6	463.8	350.4	311.0	341.2	344.0	330.3	337.6	322.0	321.1
52.5°	2870.7	1484.8	425.4	330.3	308.3	339.4	360.4	345.8	333.0	312.9	311.0
55°	3046.4	1455.5	392.5	317.4	326.6	335.7	374.2	356.8	330.3	307.4	308.3
57.5°	3237.5	1418.0	365.9	312.0	322.9	329.3	393.4	372.3	342.1	343.1	344.0
60°	3435.1	1382.3	349.5	311.0	318.4	332.1	396.1	393.4	357.7	365.9	372.3
62.5°	3671.2	1353.9	346.7	317.4	334.8	346.7	398.9	427.2	396.1	399.8	401.6
65°	3856.0	1271.6	344.0	321.1	341.2	349.5	399.8	451.0	437.3	458.3	456.5
67.5°	3799.2	1119.7	339.4	324.8	345.8	364.1	398.9	468.4	466.6	515.0	510.5
70°	3567.8	951.4	324.8	320.2	347.6	371.4	399.8	473.0	481.2	549.8	545.2
72.5°	3178.1	767.5	298.2	307.4	348.5	380.6	411.7	473.9	483.0	580.0	566.3
75°	2659.4	620.2	258.9	278.1	359.5	386.1	414.4	464.7	464.7	556.2	538.8
77.5°	1913.8	477.5	223.2	252.5	355.9	382.4	406.2	443.7	437.3	481.2	464.7
80°	1115.2	352.2	190.3	247.9	333.9	375.1	383.3	391.5	361.4	371.4	361.4
82.5°	669.6	260.7	164.7	222.3	293.7	337.6	344.0	330.3	290.0	289.1	275.4
85°	401.6	178.4	120.8	172.0	231.4	281.8	289.1	250.7	213.2	235.1	210.4
87.5°	296.4	112.5	83.2	107.0	140.9	131.7	172.0	161.9	138.1	132.6	130.8
90°	267.1	86.0	68.6	86.9	95.1	81.4	87.8	87.8	71.4	70.4	66.8
92.5°	264.4	80.5	73.2	85.1	76.8	65.0	71.4	70.4	56.7	54.0	51.2
95°	247.0	72.3	73.2	76.8	67.7	53.1	57.6	54.0	40.3	37.5	34.8
97.5°	116.2	50.3	69.5	66.8	55.8	41.2	47.6	41.2	28.4	24.7	24.7
100°	27.4	43.0	59.5	60.4	44.8	31.1	32.9	26.5	18.3	15.6	15.6
102.5°	27.4	19.2	36.6	47.6	27.4	12.8	18.3	17.4	13.7	13.7	14.6
105°	27.4	18.3	18.3	31.1	16.5	8.2	8.2	11.0	11.9	15.6	17.4
107.5°	28.4	19.2	14.6	14.6	11.9	8.2	7.3	8.2	11.9	18.3	19.2
110°	23.8	17.4	13.7	12.8	11.9	8.2	6.4	8.2	11.9	20.1	22.0



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CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.4	15.6	11.9	11.9	10.1	8.2	6.4	7.3	12.8	22.0	23.8
115°	17.4	14.6	11.0	10.1	8.2	7.3	6.4	7.3	13.7	23.8	25.6
117.5°	18.3	14.6	10.1	9.1	7.3	5.5	5.5	7.3	13.7	24.7	26.5
120°	18.3	14.6	10.1	9.1	7.3	5.5	5.5	8.2	14.6	23.8	25.6
122.5°	17.4	14.6	10.1	9.1	7.3	4.6	5.5	7.3	13.7	22.9	24.7
125°	15.6	13.7	10.1	8.2	7.3	4.6	5.5	7.3	13.7	22.0	22.9
127.5°	14.6	12.8	9.1	8.2	6.4	4.6	5.5	7.3	12.8	20.1	21.0
130°	12.8	11.9	8.2	7.3	6.4	4.6	5.5	7.3	12.8	18.3	19.2
132.5°	10.1	9.1	7.3	6.4	6.4	4.6	5.5	6.4	10.1	15.6	16.5
135°	7.3	7.3	6.4	6.4	6.4	4.6	5.5	5.5	8.2	11.9	12.8
137.5°	5.5	5.5	5.5	6.4	5.5	4.6	4.6	5.5	7.3	9.1	10.1
140°	5.5	5.5	5.5	6.4	5.5	4.6	4.6	5.5	6.4	7.3	8.2
142.5°	5.5	5.5	5.5	6.4	5.5	3.7	4.6	5.5	6.4	7.3	7.3
145°	6.4	6.4	6.4	6.4	5.5	3.7	3.7	5.5	6.4	7.3	7.3
147.5°	7.3	7.3	6.4	6.4	5.5	2.7	2.7	5.5	6.4	7.3	7.3
150°	7.3	7.3	6.4	6.4	4.6	2.7	2.7	4.6	6.4	6.4	6.4
152.5°	5.5	5.5	5.5	5.5	4.6	1.8	1.8	3.7	5.5	5.5	5.5
155°	4.6	4.6	4.6	4.6	3.7	1.8	0.9	2.7	4.6	4.6	4.6
157.5°	2.7	3.7	3.7	4.6	3.7	1.8	0.9	1.8	3.7	3.7	3.7
160°	1.8	2.7	2.7	3.7	3.7	1.8	0.9	1.8	2.7	2.7	2.7
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

(END OF REPORT)