

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: P416520

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416520
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-PA1-70-827-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 6052 lumens
Efficiency: N/A
Efficacy: 81.8 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): 74
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

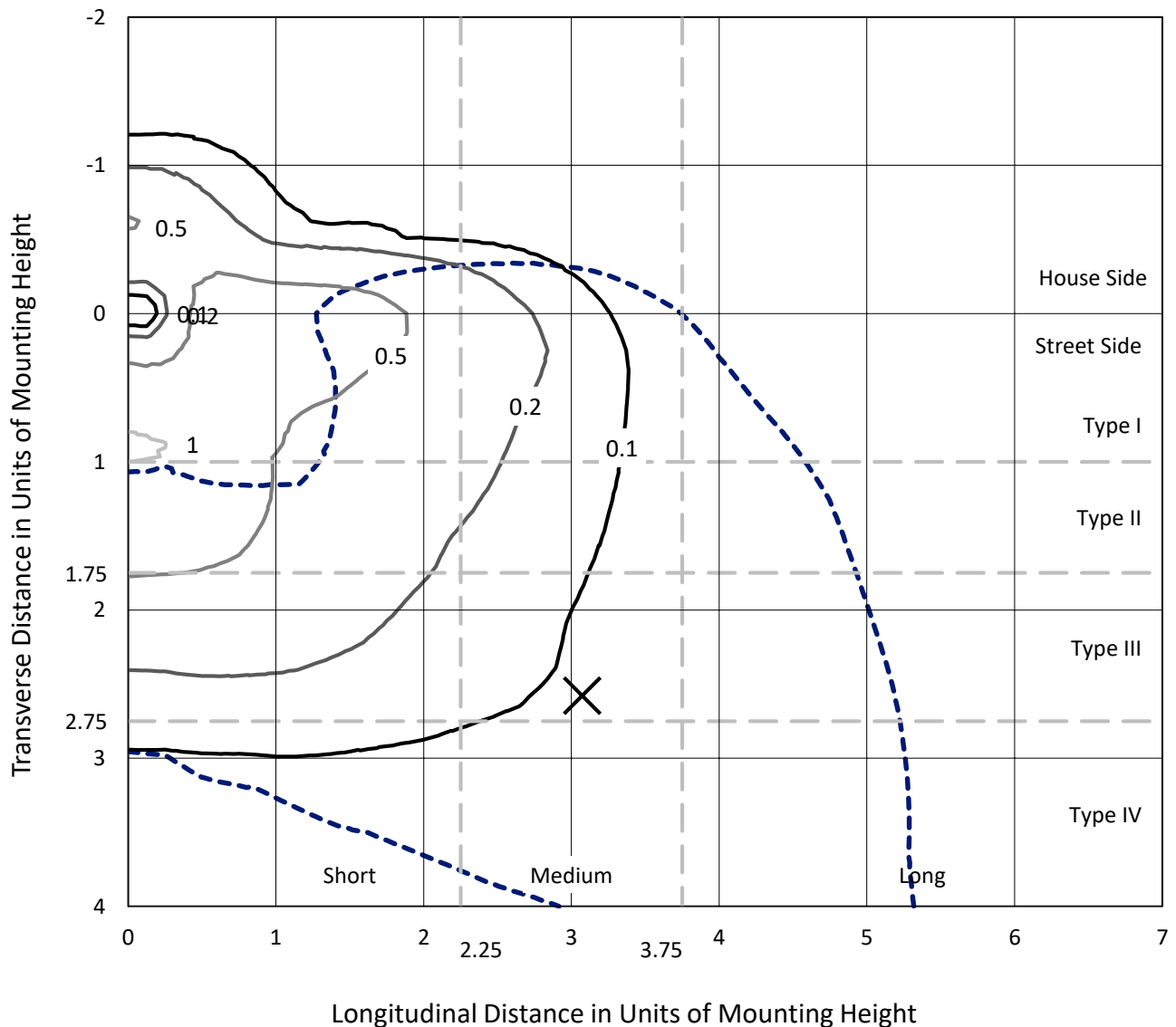


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

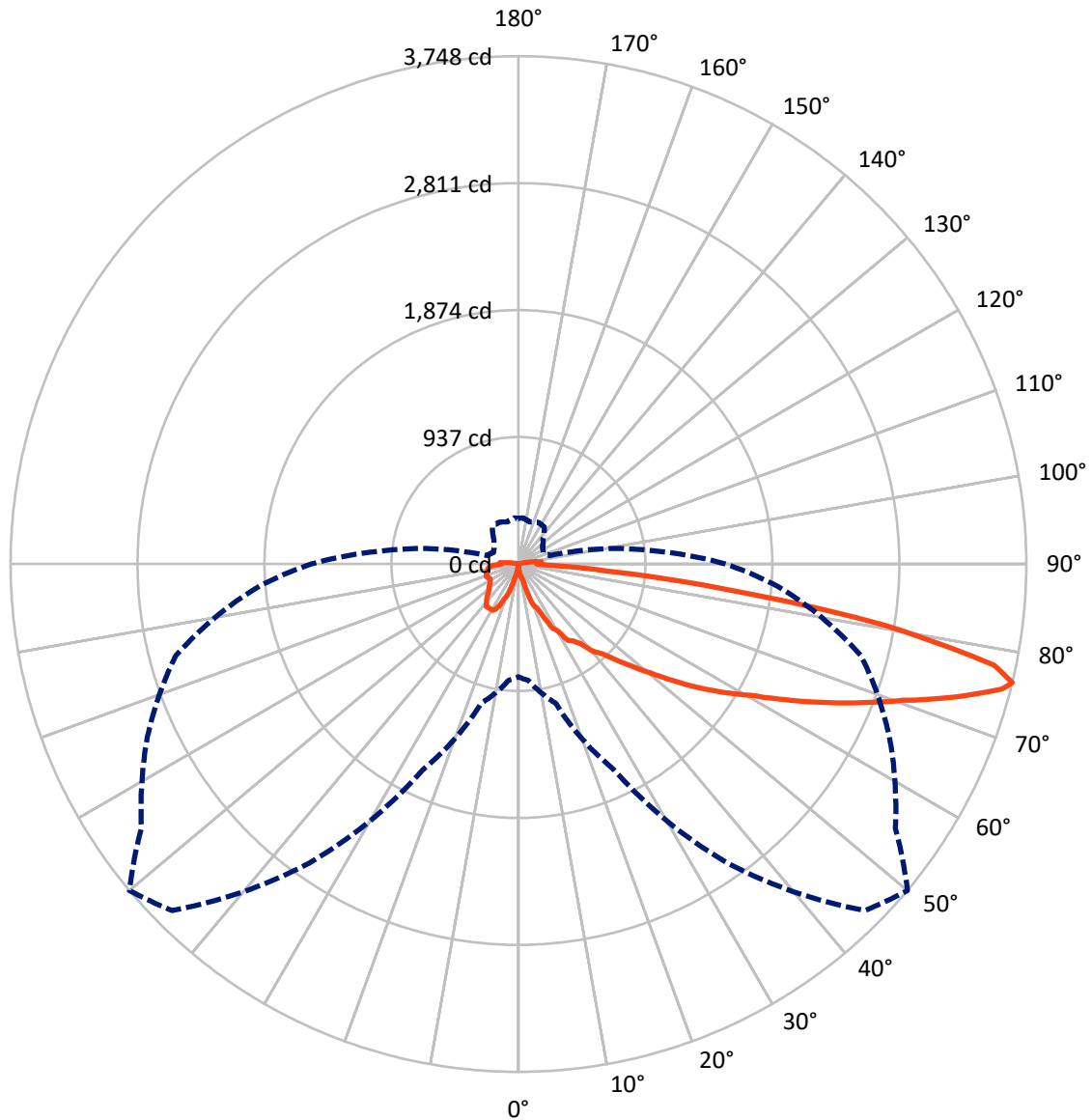


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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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	1320.9	74.4	1395.3
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4597.0	59.7	4656.7
	% Fixture	76.0	1.0	76.9
Total	Lumens	5917.8	134.2	6052.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	50.5	0.8
20°-30°	197.4	3.3
30°-40°	424.9	7.0
40°-50°	692.3	11.4
50°-60°	1114.6	18.4
60°-70°	1623.5	26.8
70°-80°	1448.4	23.9
80°-90°	362.8	6.0
90°-100°	106.3	1.8
100°-110°	15.7	0.3
110°-120°	4.5	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°	5917.8	97.8
0°-180°	6052.0	100.0



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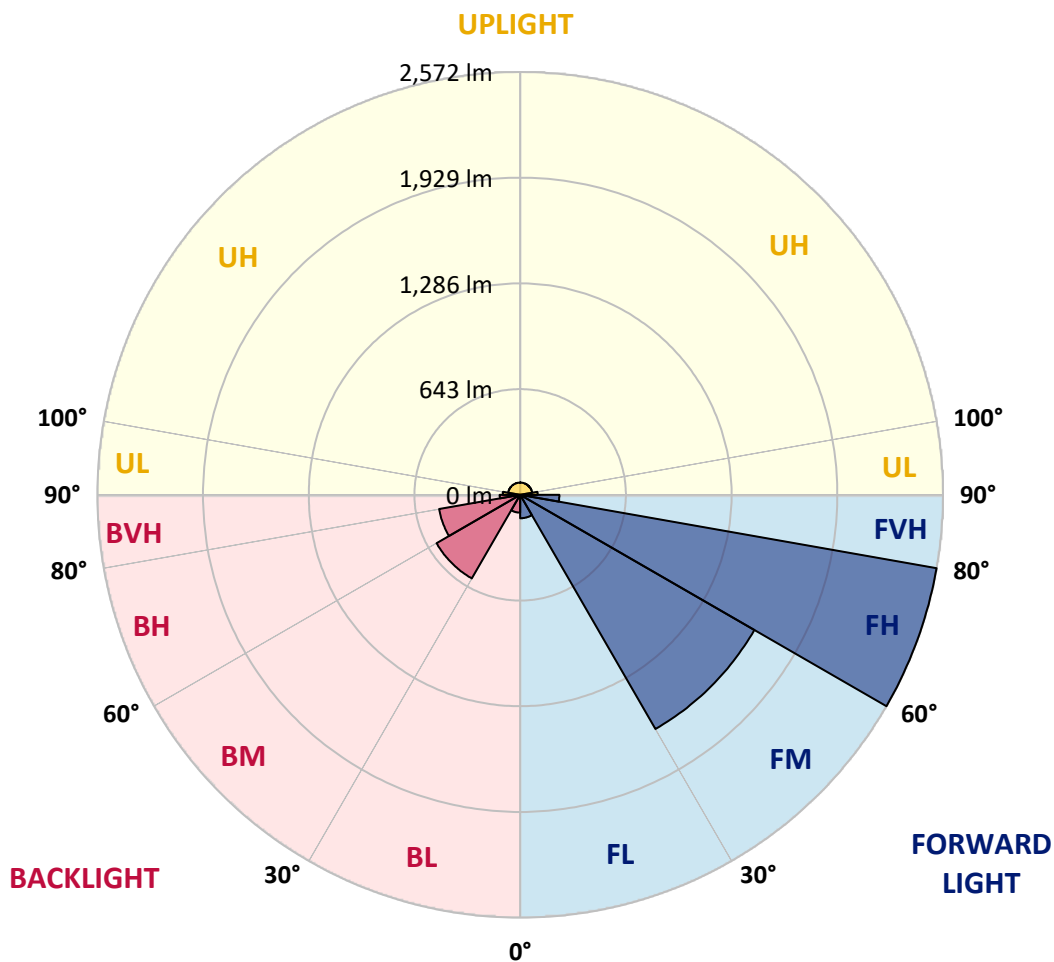
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.7	2.4			
FM (30°-60°)	1644.5	27.2			
FH (60°-80°)	2571.5	42.5			G2/5000
FVH (80°-90°)	238.2	3.9			G3/500
BL (0°-30°)	108.6	1.8	B0/110		
BM (30°-60°)	587.3	9.7	B1/1000		
BH (60°-80°)	500.4	8.3	B2/1000		G2/1000
BVH (80°-90°)	124.6	2.1			G2/225
UL (90°-100°)	106.3	1.8		U3/500	
UH (100°-180°)	74.4	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°	8.7	6.7	6.1	5.4	5.4	4.7	4.7	4.0	4.0	4.0	4.0
5°	84.7	82.1	76.0	70.6	24.2	20.2	16.8	12.8	4.7	4.7	4.0
7.5°	101.6	99.5	95.5	92.8	88.8	82.7	76.0	35.6	14.1	5.4	4.7
10°	133.2	123.1	115.0	108.3	103.6	93.5	90.8	85.4	23.5	10.1	7.4
12.5°	238.1	232.7	224.6	152.7	125.8	107.6	103.6	98.9	76.7	36.3	65.2
15°	262.3	256.9	248.9	238.8	224.0	132.5	124.4	154.7	197.7	148.6	155.4
17.5°	308.0	305.4	283.8	259.6	244.8	260.3	261.0	236.8	224.6	196.4	178.9
20°	427.1	424.4	412.3	350.4	277.1	328.9	327.6	315.4	252.2	289.9	312.1
22.5°	444.6	441.2	430.5	413.6	438.5	360.5	351.8	351.8	371.9	394.1	367.2
25°	585.2	581.8	499.7	435.2	470.1	429.1	430.5	476.2	411.6	432.5	413.0
27.5°	611.4	606.7	600.0	556.9	495.0	543.5	536.1	511.2	535.4	597.3	576.4
30°	713.6	661.8	639.6	614.8	584.5	575.7	572.4	617.4	634.9	630.9	636.9
32.5°	828.0	825.9	804.4	655.8	661.2	618.8	673.3	693.4	666.5	766.1	830.0
35°	994.8	926.2	884.5	785.6	688.1	715.6	696.8	717.7	809.8	819.2	880.4
37.5°	1250.4	1246.3	1150.8	867.0	793.7	732.5	745.9	803.7	864.3	877.7	960.5
40°	1461.5	1442.0	1381.5	1080.9	862.9	792.3	846.1	833.3	897.2	944.3	1023.7
42.5°	1618.3	1636.4	1602.1	1251.0	1002.2	887.2	903.3	886.5	945.7	1033.8	1114.5
45°	1768.2	1760.9	1784.4	1423.9	1136.0	1008.9	1007.5	966.5	1034.4	1133.3	1239.6
47.5°	1890.7	1879.9	1904.1	1611.5	1290.0	1119.2	1128.6	1075.5	1140.7	1257.8	1425.2
50°	2027.2	2006.3	2022.5	1768.9	1491.1	1278.6	1265.8	1224.8	1261.8	1421.2	1651.9
52.5°	2191.3	2176.5	2147.6	1925.6	1698.3	1442.7	1426.6	1386.9	1427.2	1624.3	1902.8
55°	2338.6	2321.8	2298.3	2141.5	1870.5	1609.5	1610.2	1570.5	1649.2	1846.3	2194.0
57.5°	2492.0	2483.9	2496.0	2383.0	2116.7	1783.7	1787.8	1763.5	1904.8	2074.3	2502.7
60°	2619.1	2607.0	2674.2	2629.8	2335.2	1982.8	1966.7	1992.9	2165.8	2312.4	2815.5
62.5°	2667.5	2675.6	2802.7	2857.2	2547.1	2197.4	2203.4	2239.1	2407.2	2597.6	3116.8
65°	2440.2	2468.4	2823.5	2896.9	2783.2	2435.5	2464.4	2458.3	2654.7	2807.4	3371.0
67.5°	2193.3	2225.6	2611.7	2907.0	2966.1	2715.3	2730.1	2670.2	2867.9	2938.6	3560.7
70°	2018.5	2043.3	2360.8	2849.8	3078.5	3007.2	3013.9	2902.9	3022.6	3092.6	3554.0
72.5°	1715.8	1742.0	2035.3	2633.9	3148.4	3361.0	3361.0	3116.1	3147.7	3089.2	3138.3
75°	1159.6	1169.6	1409.8	2044.7	2967.5	3649.5	3684.5	3348.8	3104.7	2806.1	2340.6
76°	832.7	863.6	1064.7	1678.8	2695.1	3616.5	3747.7	3395.9	3020.6	2618.4	1926.3
77.5°	441.2	469.5	628.2	1074.8	2185.9	3363.0	3589.6	3251.3	2754.3	2247.8	1424.6
80°	172.9	170.8	215.9	382.7	1107.1	2557.9	2746.9	2396.5	1863.1	1302.1	676.6
82.5°	94.8	104.3	137.2	202.5	480.2	1411.1	1551.7	1264.5	951.0	600.6	395.5
85°	60.5	61.9	80.7	125.1	296.6	594.6	653.1	541.4	445.3	368.6	281.1
87.5°	36.3	37.7	42.4	57.8	146.6	174.9	191.0	224.6	255.6	253.6	242.8
90°	24.9	24.9	20.9	22.9	68.6	139.9	134.5	143.3	130.5	165.5	234.1
92.5°	24.2	24.2	20.2	20.9	58.5	155.4	156.0	155.4	137.9	168.8	246.2
95°	21.5	22.2	17.5	18.2	43.0	145.3	170.8	165.5	139.2	170.2	245.5
97.5°	18.2	18.8	13.5	15.5	28.9	98.2	127.1	129.8	86.8	86.1	111.0
100°	13.5	14.1	9.4	12.1	17.5	45.1	67.9	63.9	43.0	23.5	15.5
102.5°	12.8	13.5	8.1	9.4	10.8	15.5	24.9	18.8	16.1	13.5	13.5
105°	14.1	14.1	7.4	6.7	6.7	7.4	6.1	8.7	9.4	10.1	14.1
107.5°	12.1	12.8	5.4	5.4	4.7	4.7	4.0	4.0	5.4	8.7	15.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	9.4	9.4	4.7	4.7	3.4	4.0	4.0	3.4	4.7	6.7	12.1
112.5°	5.4	6.1	2.7	4.0	2.7	3.4	3.4	2.7	4.0	4.7	6.7
115°	5.4	5.4	2.7	2.0	2.0	2.0	2.7	2.7	3.4	4.7	7.4
117.5°	5.4	5.4	2.7	2.0	1.3	2.0	2.0	2.0	3.4	4.7	7.4
120°	5.4	5.4	2.7	1.3	1.3	1.3	1.3	2.0	3.4	4.7	7.4
122.5°	6.1	5.4	2.7	1.3	1.3	1.3	1.3	2.0	3.4	4.7	6.7
125°	6.1	5.4	2.7	1.3	1.3	1.3	1.3	2.0	2.7	4.0	6.1
127.5°	6.1	5.4	2.7	1.3	1.3	1.3	1.3	2.0	2.7	4.0	5.4
130°	5.4	5.4	2.7	1.3	1.3	1.3	1.3	2.0	2.7	4.0	5.4
132.5°	5.4	4.7	2.7	1.3	1.3	1.3	1.3	2.0	2.7	3.4	4.7
135°	4.7	4.0	2.7	1.3	2.0	1.3	2.0	2.0	2.7	3.4	4.0
137.5°	4.0	4.0	2.7	2.0	2.0	2.0	2.0	2.0	2.7	3.4	3.4
140°	4.7	4.0	2.7	2.7	2.0	2.0	2.0	2.0	2.7	3.4	3.4
142.5°	5.4	4.7	3.4	2.7	2.7	2.0	2.0	2.7	2.7	3.4	3.4
145°	5.4	5.4	4.0	3.4	2.0	2.0	2.0	2.7	3.4	3.4	4.0
147.5°	6.1	5.4	4.0	3.4	2.0	1.3	2.0	2.0	3.4	4.0	4.0
150°	5.4	5.4	3.4	2.7	1.3	0.7	1.3	2.0	3.4	4.0	4.0
152.5°	4.0	4.0	2.7	1.3	0.7	0.7	1.3	2.0	2.7	3.4	4.0
155°	2.7	2.7	1.3	0.7	0.0	0.7	0.7	1.3	2.0	2.7	3.4
157.5°	1.3	1.3	0.7	0.0	0.0	0.7	0.7	1.3	2.0	2.7	2.7
160°	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.3	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°	4.0	3.4	3.4	2.7	2.7	2.0	2.0	2.0	2.0	2.7	3.4
5°	4.0	4.0	3.4	3.4	3.4	2.7	2.7	4.0	4.7	5.4	5.4
7.5°	4.0	4.0	4.0	3.4	4.0	5.4	21.5	61.9	67.9	72.0	73.3
10°	7.4	6.7	6.1	5.4	10.1	68.6	84.7	92.1	95.5	98.9	98.9
12.5°	70.6	70.6	28.9	16.1	69.3	92.1	96.9	102.2	106.9	111.7	112.3
15°	153.4	151.3	146.0	133.8	115.7	104.3	109.0	161.4	189.7	202.5	200.4
17.5°	175.5	172.9	169.5	193.0	201.1	160.7	187.7	208.5	214.6	221.3	220.6
20°	325.5	322.2	250.9	224.6	219.9	269.7	214.6	219.3	230.0	293.3	295.3
22.5°	364.5	360.5	335.6	342.4	256.9	292.6	283.2	296.6	330.9	341.0	342.4
25°	427.1	411.0	380.7	357.8	363.9	305.4	352.4	330.2	343.0	355.1	357.1
27.5°	591.2	581.8	528.0	400.9	371.3	382.0	367.2	359.2	429.1	454.7	456.7
30°	636.9	627.5	560.3	464.1	391.4	391.4	369.9	447.9	451.3	464.8	468.1
32.5°	865.6	846.8	712.3	471.5	406.2	374.0	419.0	441.2	495.0	535.4	542.1
35°	918.8	902.6	735.1	538.7	392.8	389.4	395.5	464.8	504.4	528.7	534.0
37.5°	973.9	955.8	732.5	513.2	416.3	371.3	384.7	434.5	491.7	554.2	562.3
40°	1049.2	1027.1	735.8	480.2	390.1	351.1	361.2	417.0	456.0	495.0	501.8
42.5°	1150.1	1105.7	741.9	450.6	359.8	342.4	344.4	376.7	394.8	411.0	411.0
45°	1286.0	1214.0	743.9	419.7	329.6	322.2	324.9	339.7	346.4	336.3	331.6
47.5°	1468.3	1347.9	768.8	392.1	304.0	300.0	302.0	306.7	303.3	277.1	272.4
50°	1680.8	1505.3	782.2	367.9	285.2	284.5	281.1	281.1	269.0	239.4	237.4
52.5°	1915.5	1692.9	793.7	338.3	271.7	275.1	275.1	261.0	242.8	219.3	217.2
55°	2213.5	1909.5	810.5	312.8	260.3	259.6	267.0	249.5	230.7	210.5	210.5
57.5°	2509.4	2138.8	830.7	290.6	247.5	248.9	259.6	245.5	235.4	227.3	226.7
60°	2805.4	2375.6	798.4	270.4	242.8	240.1	257.6	261.0	248.9	253.6	258.3
62.5°	3083.2	2526.9	668.6	252.9	234.1	238.1	275.1	295.9	291.9	287.2	288.5
65°	3214.3	2557.9	542.1	237.4	228.0	252.2	303.3	335.0	321.5	306.0	304.7
67.5°	3236.5	2477.8	398.8	228.0	224.6	277.1	325.5	343.7	323.5	317.5	312.1
70°	3080.5	2274.7	318.8	217.9	227.3	281.1	339.7	341.7	326.9	333.6	326.9
72.5°	2619.8	1894.7	279.1	208.5	228.0	271.1	339.7	342.4	325.5	345.0	341.7
75°	1875.9	1328.4	248.2	200.4	220.6	259.6	335.0	341.7	321.5	343.0	337.6
76°	1528.1	1054.0	239.4	202.5	217.2	255.6	333.6	339.7	322.2	341.7	336.3
77.5°	1009.6	688.7	224.6	201.1	211.2	253.6	330.2	337.0	321.5	337.6	332.3
80°	540.1	390.1	202.5	187.7	203.8	254.9	327.6	330.2	308.7	326.9	320.2
82.5°	355.8	290.6	174.9	170.2	196.4	256.9	326.2	322.2	298.0	326.9	308.7
85°	279.1	240.1	131.2	136.5	178.9	248.2	322.2	310.7	288.5	296.6	285.9
87.5°	236.8	197.7	78.7	97.5	156.7	211.2	285.9	256.9	244.2	252.2	247.5
90°	222.6	174.9	44.4	68.6	117.7	140.6	180.3	167.5	162.1	171.5	169.5
92.5°	224.6	170.8	43.7	65.2	125.8	151.3	186.3	171.5	155.4	155.4	153.4
95°	214.6	159.4	43.0	51.8	113.7	147.3	174.9	154.0	125.1	119.0	117.0
97.5°	93.5	77.3	40.4	39.7	65.2	101.6	127.1	110.3	82.7	64.6	64.6
100°	15.5	24.9	35.0	38.3	38.3	53.8	72.0	67.9	39.7	20.9	21.5
102.5°	16.1	14.1	24.2	31.6	24.9	22.2	33.0	41.0	26.2	8.1	8.7
105°	16.8	14.8	12.1	22.2	14.1	7.4	10.1	18.8	12.1	8.1	8.1
107.5°	18.2	15.5	7.4	8.1	6.1	6.1	5.4	4.7	6.1	8.1	8.7



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CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.1	12.8	6.7	6.1	5.4	6.1	4.0	4.0	4.7	8.1	8.7
112.5°	8.1	8.1	6.1	4.7	4.7	5.4	3.4	3.4	4.7	8.7	8.7
115°	8.1	8.1	5.4	4.0	3.4	4.0	3.4	2.7	4.7	8.7	9.4
117.5°	8.1	8.1	5.4	4.0	3.4	2.7	2.7	2.7	4.7	8.7	9.4
120°	8.1	7.4	4.7	3.4	3.4	2.0	2.0	2.0	4.0	8.7	9.4
122.5°	7.4	7.4	4.7	3.4	2.7	2.0	2.0	2.0	4.0	8.1	8.7
125°	6.7	6.7	4.7	3.4	2.7	2.0	1.3	2.0	4.0	7.4	8.1
127.5°	6.1	6.1	4.0	3.4	2.7	2.0	1.3	2.0	4.0	7.4	8.1
130°	5.4	5.4	4.0	2.7	2.7	1.3	1.3	1.3	4.0	6.7	7.4
132.5°	4.7	4.7	3.4	2.7	2.0	1.3	0.7	1.3	3.4	6.1	6.1
135°	4.0	4.0	3.4	2.7	2.0	1.3	0.7	1.3	2.7	4.7	5.4
137.5°	3.4	3.4	2.7	2.7	2.0	1.3	0.7	1.3	2.0	4.0	4.0
140°	3.4	3.4	2.7	2.7	2.0	1.3	0.7	1.3	2.0	3.4	4.0
142.5°	3.4	3.4	2.7	2.7	2.0	1.3	0.7	1.3	2.0	3.4	4.0
145°	4.0	3.4	3.4	2.7	2.0	1.3	0.7	1.3	2.7	4.0	4.0
147.5°	4.0	4.0	3.4	2.7	2.0	1.3	0.7	1.3	2.7	4.0	4.0
150°	4.0	4.0	3.4	2.7	2.0	0.7	0.0	0.7	2.0	3.4	4.0
152.5°	4.0	3.4	2.7	2.0	1.3	0.7	0.0	0.0	1.3	2.7	2.7
155°	3.4	2.7	2.7	2.0	1.3	0.7	0.0	0.0	0.7	1.3	1.3
157.5°	2.7	2.7	2.0	1.3	0.7	0.7	0.0	0.0	0.0	0.7	0.7
160°	2.0	2.0	1.3	1.3	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)