

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: P416498

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5678 lumens
Efficiency: N/A
Efficacy: 76.7 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

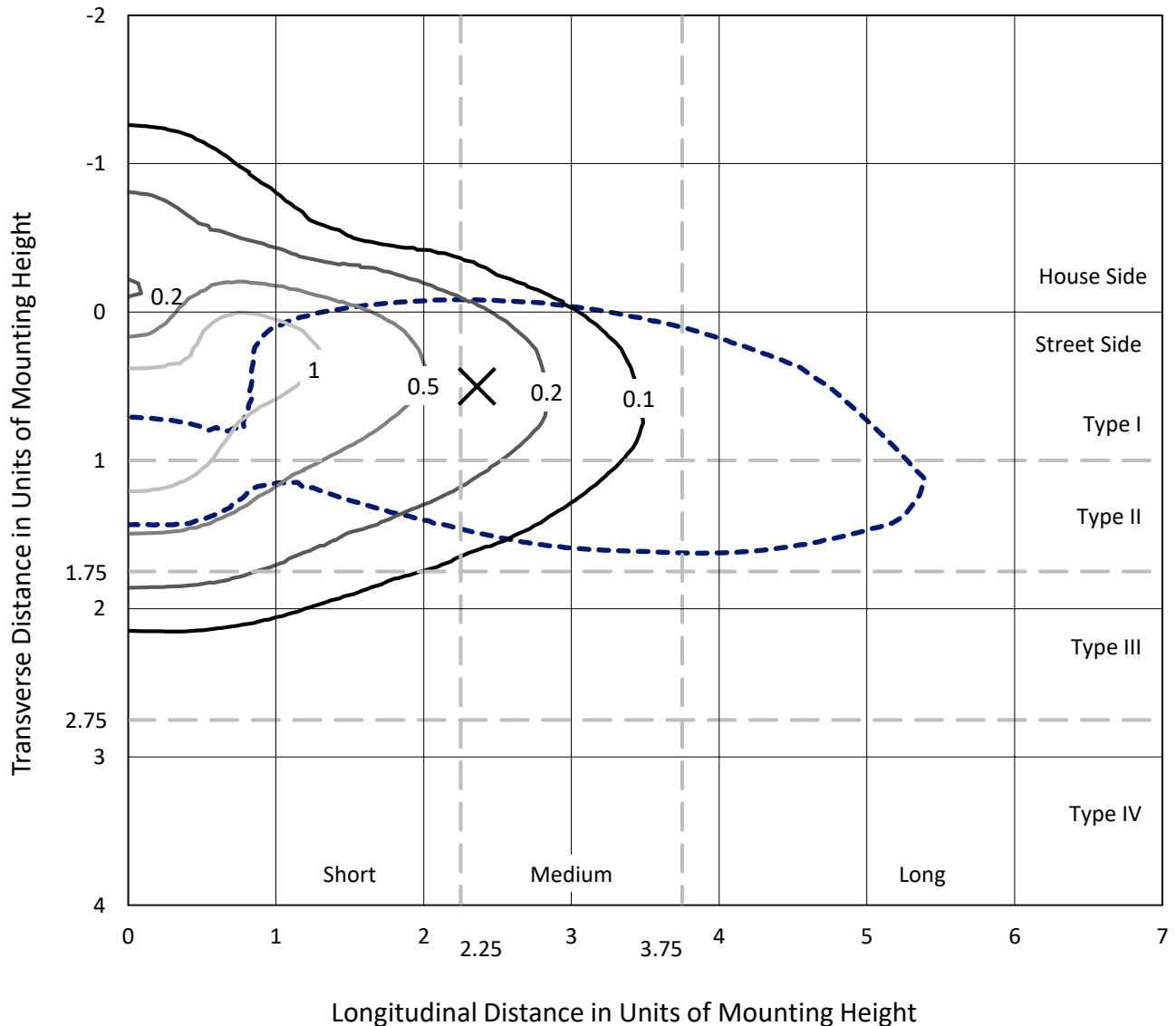
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

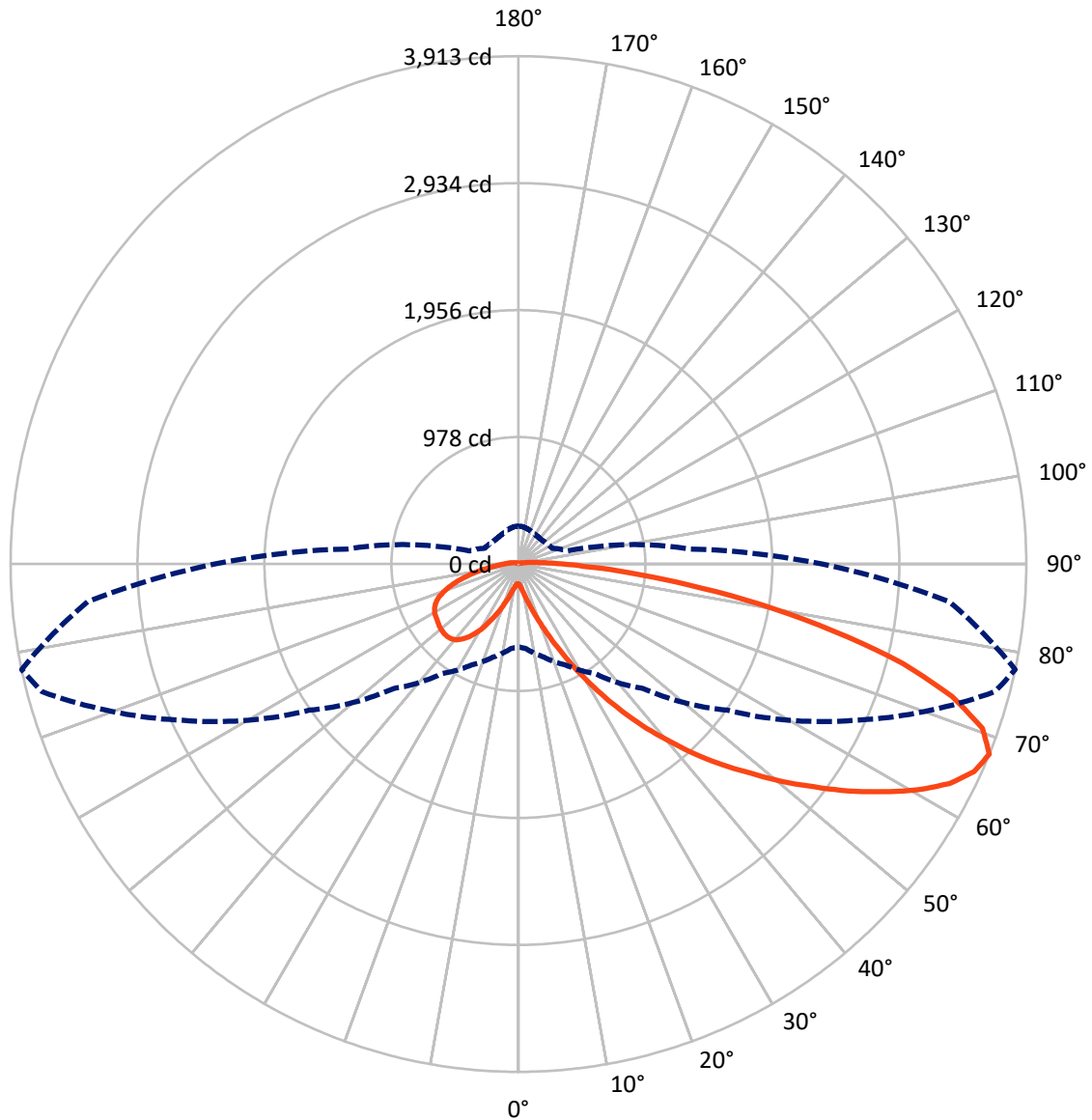


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1078.9	87.6	1166.5
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	4422.7	88.8	4511.5
	% Fixture	77.9	1.6	79.5
Total	Lumens	5501.6	176.4	5678.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.3
10°-20°	88.2	1.6
20°-30°	268.8	4.7
30°-40°	601.3	10.6
40°-50°	990.8	17.5
50°-60°	1219.5	21.5
60°-70°	1182.8	20.8
70°-80°	819.1	14.4
80°-90°	313.6	5.5
90°-100°	90.0	1.6
100°-110°	39.0	0.7
110°-120°	21.0	0.4
120°-130°	13.0	0.2
130°-140°	8.1	0.1
140°-150°	3.9	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5501.6	96.9
0°-180°	5678.0	100.0

Coefficient of Utilization



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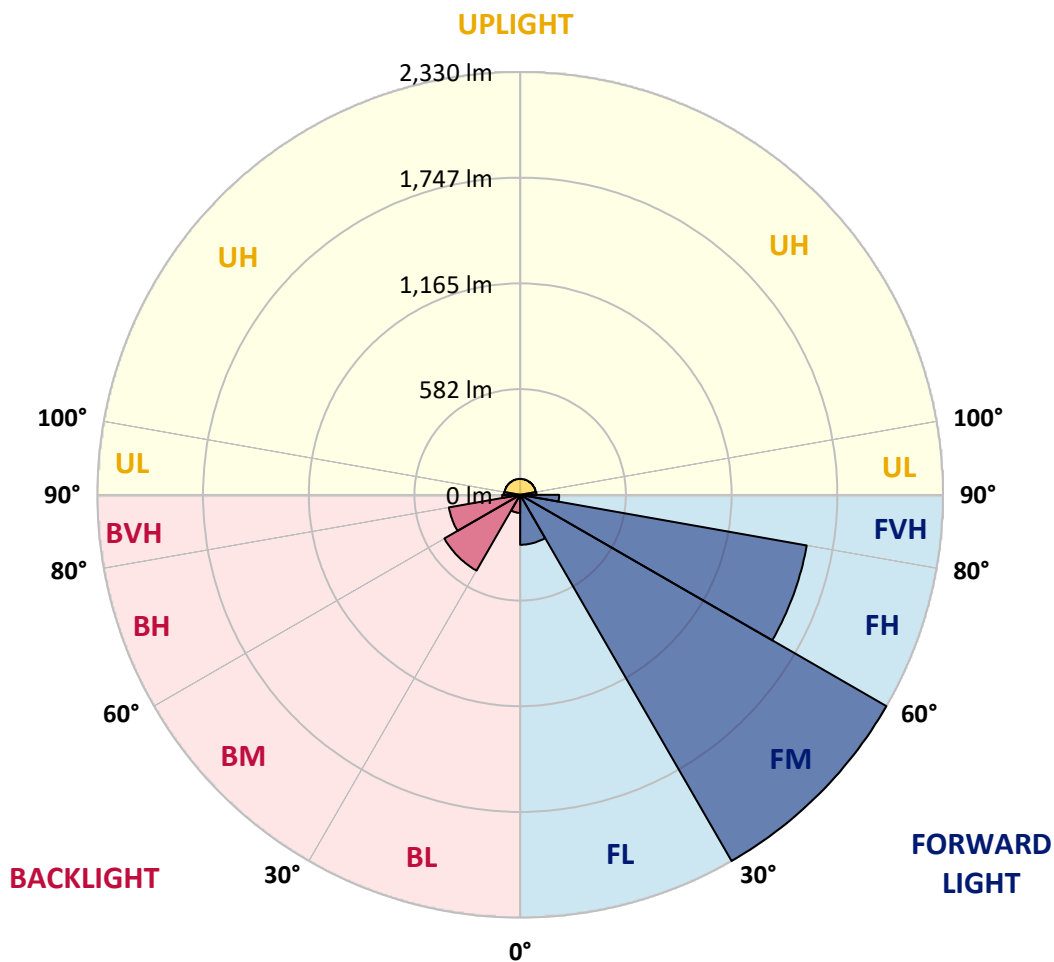
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.2	4.8			
FM (30°-60°)	2329.7	41.0			
FH (60°-80°)	1603.2	28.2			G1/1800
FVH (80°-90°)	214.6	3.8			G2/225
BL (0°-30°)	99.4	1.7	B0/110		
BM (30°-60°)	481.9	8.5	B1/1000		
BH (60°-80°)	398.7	7.0	B1/500		G1/500
BVH (80°-90°)	99.0	1.7			G1/100
UL (90°-100°)	90.0	1.6		U3/500	
UH (100°-180°)	87.6	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7
2.5°	184.3	182.9	182.9	182.2	179.6	176.9	172.8	168.1	164.1	161.4	158.7
5°	223.9	219.2	220.6	216.5	211.8	206.5	199.1	189.0	179.6	177.5	170.1
7.5°	271.7	265.6	267.6	262.9	254.2	242.8	232.7	217.9	203.8	199.1	188.3
10°	332.2	326.2	322.8	316.1	306.0	291.2	275.7	256.2	236.7	230.0	216.5
12.5°	404.2	399.5	394.7	385.3	369.2	350.4	330.9	309.3	283.8	275.0	254.2
15°	493.6	489.6	479.5	466.7	443.2	422.3	392.7	373.2	341.6	330.9	305.3
17.5°	593.8	585.7	575.6	556.8	529.9	503.7	478.8	445.9	411.6	402.8	371.2
20°	717.5	714.8	695.3	663.7	634.1	598.5	574.3	542.0	503.7	491.6	449.9
22.5°	864.1	858.8	835.9	788.1	743.8	698.0	678.5	644.9	617.3	600.5	546.1
25°	1040.3	1030.2	992.6	935.4	872.2	817.7	785.5	773.4	751.8	726.3	659.7
27.5°	1227.9	1228.6	1176.8	1092.1	1004.0	938.8	913.9	918.6	892.4	878.3	796.9
30°	1460.0	1443.1	1375.2	1271.0	1152.0	1067.9	1053.1	1076.6	1069.2	1041.7	945.5
32.5°	1692.0	1685.9	1601.8	1459.3	1303.3	1211.1	1200.4	1251.5	1249.5	1221.9	1099.5
35°	1923.3	1916.6	1812.3	1646.2	1461.3	1355.7	1346.3	1413.6	1437.8	1410.2	1273.0
37.5°	2156.0	2140.5	2035.6	1833.9	1611.3	1488.2	1492.2	1577.0	1633.5	1608.6	1440.5
40°	2361.1	2358.4	2236.0	2006.7	1755.8	1622.7	1649.6	1761.2	1830.5	1796.2	1610.6
42.5°	2518.4	2507.0	2398.7	2149.9	1885.6	1748.4	1794.8	1942.8	2031.6	2008.0	1778.0
45°	2591.1	2584.3	2497.6	2258.2	1986.5	1857.4	1930.7	2110.9	2232.0	2206.4	1950.2
47.5°	2571.6	2565.5	2518.4	2311.3	2053.1	1950.9	2050.4	2274.3	2442.4	2408.1	2121.7
50°	2454.5	2460.6	2445.8	2295.8	2076.6	2010.7	2164.0	2437.7	2648.2	2632.1	2287.1
52.5°	2240.7	2258.2	2281.7	2215.1	2055.1	2037.6	2246.1	2579.6	2852.7	2852.0	2470.7
55°	1963.0	1975.1	2057.1	2045.0	1973.1	2036.9	2306.6	2719.5	3082.6	3086.0	2660.3
57.5°	1668.4	1662.4	1771.3	1834.5	1853.4	1985.2	2336.2	2843.2	3285.7	3309.3	2860.7
60°	1346.3	1368.5	1470.7	1599.8	1670.4	1882.9	2326.1	2930.7	3481.4	3533.2	3043.0
62.5°	1094.1	1084.0	1196.3	1336.9	1480.1	1736.3	2252.8	2971.7	3667.7	3725.5	3211.1
65°	826.5	847.3	948.9	1073.3	1243.4	1551.4	2134.4	2950.2	3782.7	3856.7	3316.7
67.5°	637.5	653.6	740.4	857.4	1030.9	1355.0	1963.6	2850.0	3800.2	3912.5	3331.5
70°	492.9	505.7	566.9	666.4	831.9	1138.5	1723.6	2659.0	3704.7	3792.1	3195.6
72.5°	392.7	398.1	441.1	521.8	657.0	928.7	1462.6	2359.1	3416.2	3494.2	2917.2
75°	308.7	316.7	351.7	412.2	513.1	742.4	1195.7	1993.2	2977.1	3057.8	2533.2
77.5°	245.5	253.5	279.8	322.1	398.1	572.3	934.1	1624.0	2430.3	2480.1	2018.1
80°	195.0	199.1	221.2	252.9	309.3	441.1	703.4	1232.7	1840.6	1892.4	1499.6
82.5°	147.9	151.3	173.5	201.1	241.4	334.2	508.4	866.8	1296.5	1310.7	1018.1
85°	106.3	112.3	130.5	153.3	184.9	248.8	364.5	588.4	827.1	848.7	644.9
87.5°	75.3	78.0	96.2	117.7	141.2	184.3	253.5	387.3	509.1	503.0	391.4
90°	51.1	53.1	69.3	86.7	107.6	137.9	176.9	243.4	312.7	302.6	245.5
92.5°	34.3	37.7	51.1	65.9	84.1	106.3	125.8	159.4	193.7	184.3	156.0
95°	25.6	26.9	39.0	52.5	67.2	81.4	93.5	108.9	123.7	121.0	107.6
97.5°	20.2	21.5	31.6	43.0	54.5	65.9	72.6	78.0	86.1	85.4	77.3
100°	17.5	18.2	26.9	37.0	47.1	55.1	59.2	60.5	63.2	61.9	59.2
102.5°	14.8	16.1	23.5	32.3	41.0	47.1	49.8	48.4	47.7	46.4	43.7
105°	13.4	14.1	20.8	28.9	36.3	41.0	41.7	39.7	36.3	35.6	34.3
107.5°	12.8	13.4	18.8	26.2	32.3	36.3	35.6	33.0	28.9	27.6	26.9
110°	12.1	12.8	17.5	23.5	29.6	32.3	31.6	27.6	22.9	21.5	22.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	12.1	12.1	16.1	21.5	26.9	28.9	27.6	23.5	18.8	18.2	18.8
115°	11.4	12.1	15.5	20.2	24.2	26.2	24.2	20.2	16.1	15.5	16.1
117.5°	11.4	12.1	14.8	18.8	22.9	23.5	21.5	17.5	13.4	13.4	14.8
120°	11.4	12.1	14.1	17.5	20.8	21.5	19.5	15.5	12.1	12.1	13.4
122.5°	12.1	12.1	13.4	16.8	19.5	20.2	17.5	13.4	11.4	11.4	12.8
125°	12.1	12.1	13.4	15.5	18.2	18.2	16.1	12.1	10.1	10.1	12.1
127.5°	12.1	12.1	13.4	14.8	16.8	16.8	14.8	11.4	9.4	9.4	11.4
130°	12.1	12.8	12.8	14.1	15.5	15.5	13.4	10.1	9.4	9.4	10.8
132.5°	12.8	12.8	12.8	13.4	14.8	14.1	11.4	9.4	8.7	8.7	10.1
135°	12.1	12.1	12.1	12.8	13.4	12.8	10.1	8.1	8.1	8.7	9.4
137.5°	12.1	12.1	12.1	11.4	12.1	11.4	9.4	7.4	7.4	8.1	8.7
140°	10.8	11.4	10.8	10.8	10.8	10.1	8.1	6.1	6.7	7.4	7.4
142.5°	10.1	10.1	10.1	9.4	9.4	8.7	6.7	5.4	6.1	6.1	6.7
145°	9.4	9.4	8.7	8.1	8.1	6.7	5.4	4.7	5.4	5.4	6.1
147.5°	8.1	8.1	8.1	6.7	6.1	5.4	3.4	3.4	4.0	4.7	4.7
150°	6.7	6.7	6.7	6.1	4.7	4.0	2.7	3.4	3.4	3.4	4.0
152.5°	5.4	5.4	5.4	4.7	4.0	2.7	2.0	2.7	2.7	2.7	3.4
155°	3.4	3.4	3.4	3.4	2.7	1.3	2.0	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.0	2.0	1.3	1.3	1.3	2.0	2.0	2.0	2.0
160°	0.7	0.7	1.3	1.3	2.0	1.3	1.3	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°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7
2.5°	156.7	154.7	151.3	147.9	144.6	141.2	138.5	137.9	135.8	135.8	135.2
5°	166.1	162.7	154.0	147.3	139.9	133.8	129.1	127.1	125.1	123.7	123.7
7.5°	182.9	175.5	162.7	151.3	141.2	132.5	126.4	123.1	120.4	119.0	119.0
10°	205.8	196.4	176.9	160.1	145.3	134.5	127.8	123.7	121.7	120.4	119.7
12.5°	239.4	226.0	197.7	173.5	154.7	141.2	132.5	129.8	130.5	130.5	130.5
15°	285.1	265.6	227.3	194.3	167.4	150.0	143.9	143.9	145.9	146.6	145.3
17.5°	344.3	318.1	264.3	215.2	183.6	165.4	158.7	158.7	162.1	164.1	164.1
20°	416.9	379.3	303.3	242.8	202.4	182.9	174.8	175.5	179.6	182.2	182.2
22.5°	500.3	455.9	353.1	271.0	223.3	198.4	189.6	190.3	197.0	200.4	201.7
25°	608.6	540.0	402.8	299.9	242.8	213.2	204.4	205.1	213.8	218.6	218.6
27.5°	722.9	633.5	453.3	328.2	259.6	226.6	217.9	219.9	229.3	233.4	234.7
30°	844.6	733.0	503.7	352.4	273.0	236.7	228.0	232.0	240.7	246.8	247.5
32.5°	979.8	830.5	544.0	371.9	284.5	245.5	236.7	242.8	250.2	256.9	257.6
35°	1121.0	927.3	579.7	385.3	291.9	252.9	243.4	249.5	256.9	262.9	262.3
37.5°	1247.4	1006.7	603.2	390.7	295.9	256.9	248.1	254.2	260.9	265.6	265.6
40°	1371.9	1089.4	614.6	386.7	295.9	258.9	250.2	256.9	262.9	265.6	265.6
42.5°	1490.2	1150.6	612.6	378.6	294.5	259.6	251.5	257.6	262.9	264.3	264.3
45°	1592.4	1207.1	600.5	365.2	289.8	258.9	252.2	257.6	261.6	261.6	262.3
47.5°	1713.5	1251.5	583.0	351.0	284.5	257.6	250.8	256.9	260.2	260.2	259.6
50°	1822.4	1294.5	559.5	335.6	279.8	256.2	250.2	256.2	260.2	258.9	258.9
52.5°	1938.1	1332.9	535.3	321.4	275.0	255.5	250.2	256.2	260.2	259.6	260.2
55°	2045.0	1371.2	505.0	308.7	272.4	254.9	250.8	256.9	262.3	262.3	261.6
57.5°	2182.2	1391.4	481.5	299.9	269.7	254.9	251.5	258.2	265.0	265.6	266.3
60°	2279.0	1417.6	462.0	294.5	269.7	256.2	253.5	260.2	269.0	272.4	274.4
62.5°	2349.6	1416.2	438.5	291.9	270.3	257.6	255.5	262.3	273.7	278.4	281.1
65°	2386.6	1392.0	414.2	289.8	271.0	258.9	256.9	263.6	277.1	285.8	288.5
67.5°	2338.2	1326.8	389.4	286.5	270.3	258.2	257.6	265.0	279.1	290.5	291.9
70°	2220.5	1216.5	359.8	279.1	267.6	256.2	255.5	261.6	277.1	290.5	291.9
72.5°	1997.3	1076.6	325.5	268.3	261.6	251.5	249.5	255.5	270.3	283.8	283.8
75°	1698.7	914.6	291.9	252.9	249.5	243.4	241.4	244.8	257.6	270.3	271.0
77.5°	1330.2	728.3	256.2	231.3	234.7	230.0	228.0	230.0	241.4	250.2	250.8
80°	1012.1	554.8	221.9	205.8	213.8	212.5	210.5	209.8	217.9	224.6	222.6
82.5°	698.0	394.7	183.6	178.9	187.6	189.6	189.0	184.3	190.3	195.7	192.3
85°	450.6	279.1	153.3	151.3	159.4	162.7	162.1	158.7	160.1	166.1	159.4
87.5°	291.2	200.4	126.4	125.1	131.8	135.8	135.8	129.1	131.8	137.9	130.5
90°	182.2	141.9	105.6	104.9	109.6	111.6	108.9	104.9	106.3	109.6	106.9
92.5°	129.1	106.9	88.1	88.1	89.4	90.8	89.4	84.7	87.4	87.4	87.4
95°	94.1	84.7	76.7	75.3	74.6	74.0	73.3	69.9	72.6	72.0	69.9
97.5°	72.0	67.9	65.2	64.6	63.2	62.5	61.9	59.2	61.2	59.9	58.5
100°	56.5	55.8	55.8	55.8	54.5	52.5	52.5	51.8	51.8	49.8	49.8
102.5°	45.1	45.1	47.7	48.4	47.1	45.7	45.7	45.1	44.4	41.7	41.0
105°	35.6	37.0	41.0	41.7	41.0	39.7	39.0	39.0	37.7	34.3	34.3
107.5°	28.9	30.3	35.0	36.3	35.6	35.0	34.3	33.6	32.3	28.9	28.9
110°	23.5	25.6	29.6	31.6	30.9	30.3	30.3	28.9	27.6	24.9	24.9



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.2	22.2	25.6	27.6	27.6	26.9	26.2	25.6	23.5	21.5	21.5
115°	17.5	19.5	22.9	24.2	24.2	23.5	22.9	22.2	20.2	18.8	19.5
117.5°	16.1	17.5	20.2	21.5	21.5	20.8	20.2	19.5	18.2	17.5	17.5
120°	14.8	16.1	18.2	19.5	19.5	18.8	18.2	17.5	16.1	16.1	16.1
122.5°	13.4	14.8	16.8	17.5	17.5	16.8	16.1	15.5	14.1	14.8	14.8
125°	12.8	13.4	14.8	16.1	16.1	15.5	14.8	13.4	12.8	13.4	13.4
127.5°	12.1	12.8	14.1	14.8	14.8	14.1	12.8	12.1	11.4	12.1	12.1
130°	11.4	12.1	12.8	13.4	13.4	12.1	11.4	10.8	10.8	11.4	11.4
132.5°	10.8	11.4	11.4	12.1	12.1	11.4	10.1	9.4	9.4	10.1	10.1
135°	10.1	10.1	10.8	10.8	10.8	10.1	8.7	8.1	8.7	9.4	9.4
137.5°	8.7	9.4	9.4	10.1	9.4	8.7	7.4	7.4	8.1	8.1	8.1
140°	8.1	8.1	8.7	8.7	8.1	7.4	6.7	6.1	6.7	7.4	7.4
142.5°	7.4	7.4	7.4	7.4	7.4	6.1	5.4	5.4	6.1	6.1	6.1
145°	6.1	6.1	6.7	6.1	6.1	4.7	4.0	4.7	5.4	5.4	5.4
147.5°	4.7	5.4	5.4	5.4	4.7	3.4	2.7	4.0	4.7	4.7	4.7
150°	4.0	4.0	4.0	4.0	4.0	2.7	2.0	3.4	4.0	4.0	4.0
152.5°	3.4	3.4	4.0	4.0	3.4	2.0	1.3	2.7	3.4	3.4	2.7
155°	2.7	2.7	3.4	3.4	2.7	1.3	1.3	2.0	2.7	2.7	2.0
157.5°	2.0	2.7	2.7	2.7	2.0	1.3	0.7	1.3	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.7	2.0	1.3	0.7	1.3	2.0	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

(END OF REPORT)