

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: P416966

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416966
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-PA1-80-830-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 6709 lumens
Efficiency: N/A
Efficacy: 80.8 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 - G3

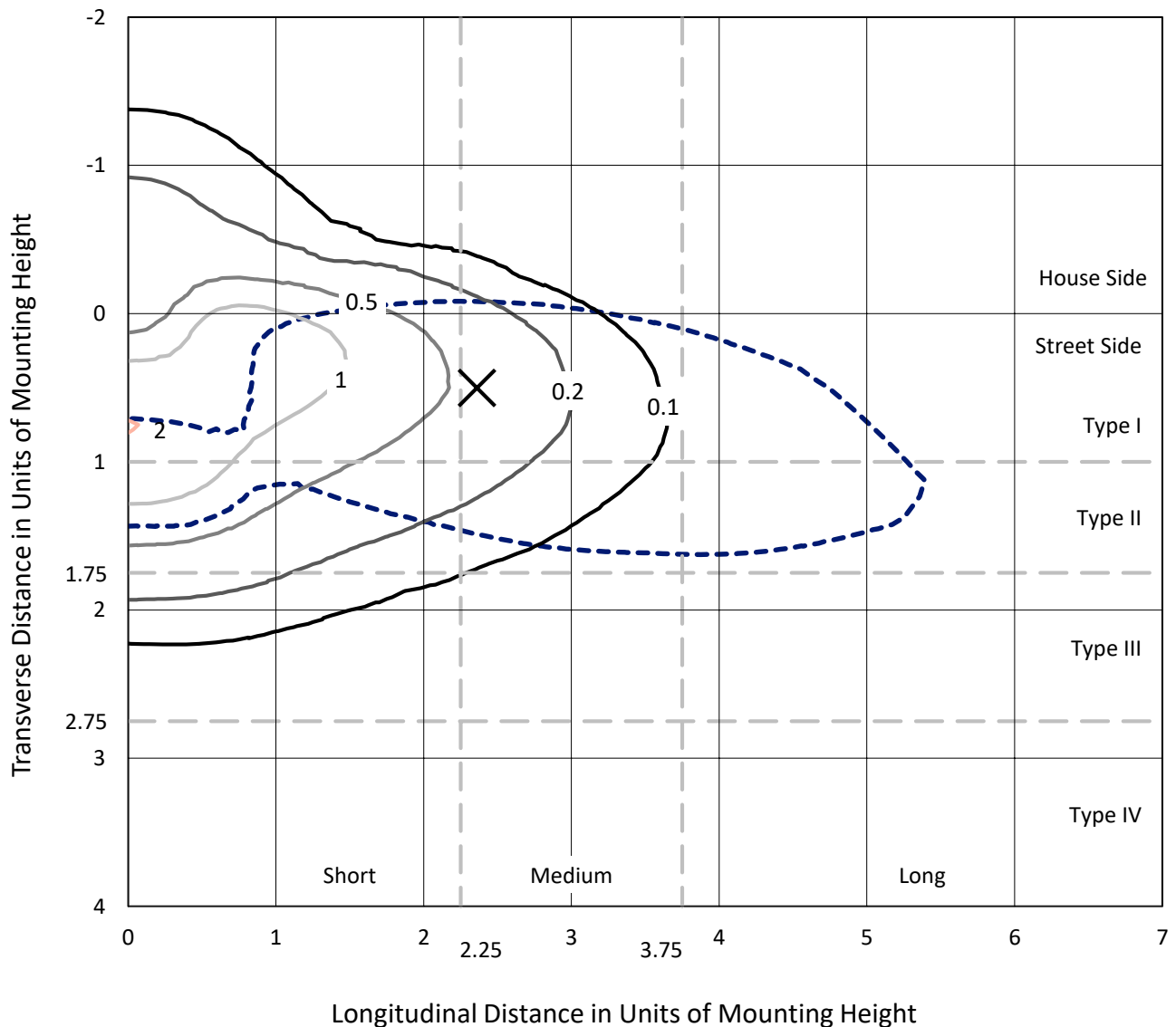
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

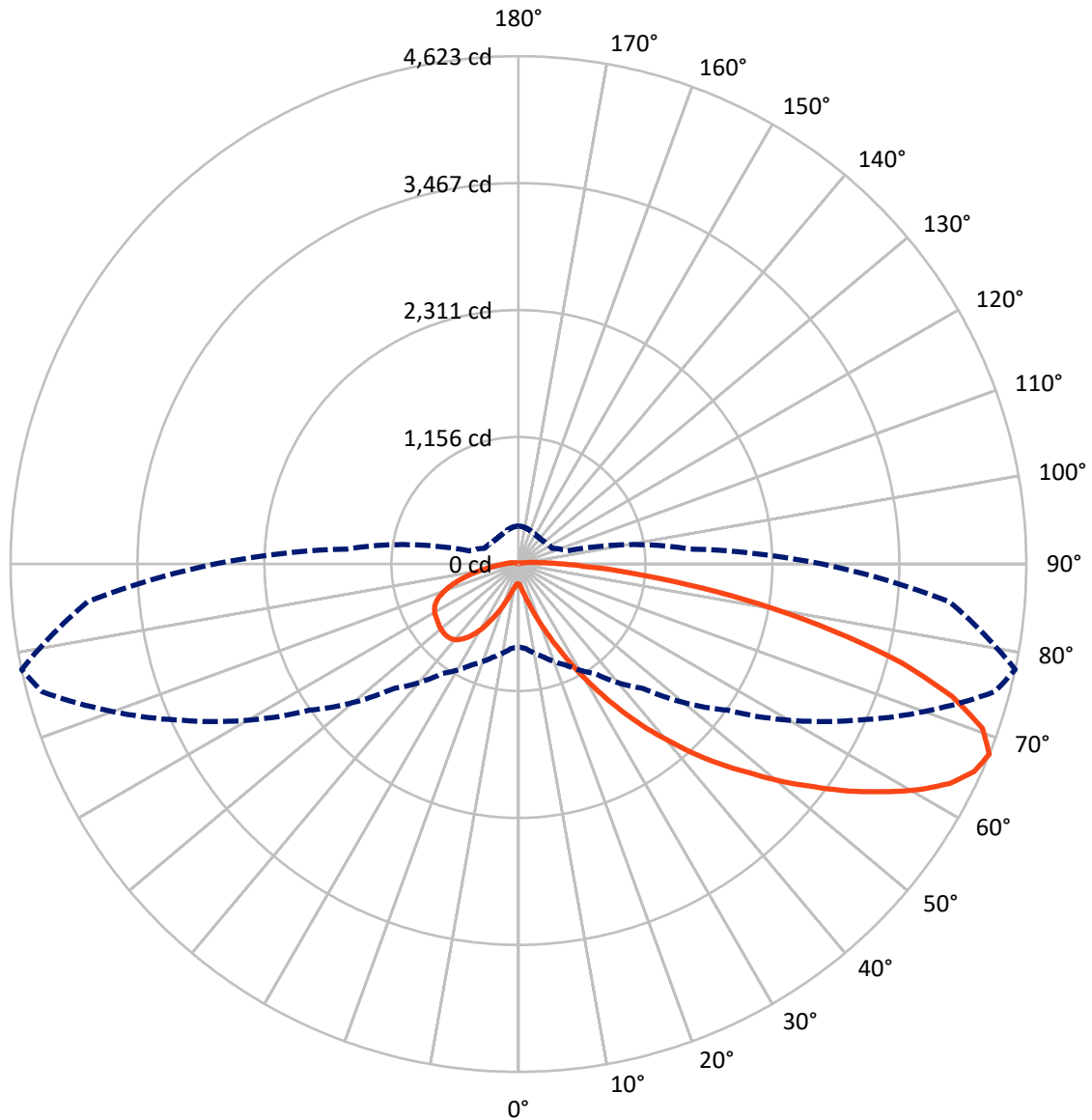


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - Non-Cutoff

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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	1274.8	103.5	1378.3
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5225.8	104.9	5330.7
	% Fixture	77.9	1.6	79.5
Total	Lumens	6500.6	208.4	6709.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.3
10°-20°	104.2	1.6
20°-30°	317.6	4.7
30°-40°	710.5	10.6
40°-50°	1170.7	17.5
50°-60°	1440.9	21.5
60°-70°	1397.5	20.8
70°-80°	967.8	14.4
80°-90°	370.5	5.5
90°-100°	106.3	1.6
100°-110°	46.1	0.7
110°-120°	24.9	0.4
120°-130°	15.4	0.2
130°-140°	9.5	0.1
140°-150°	4.7	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6500.6	96.9
0°-180°	6709.0	100.0

Coefficient of Utilization



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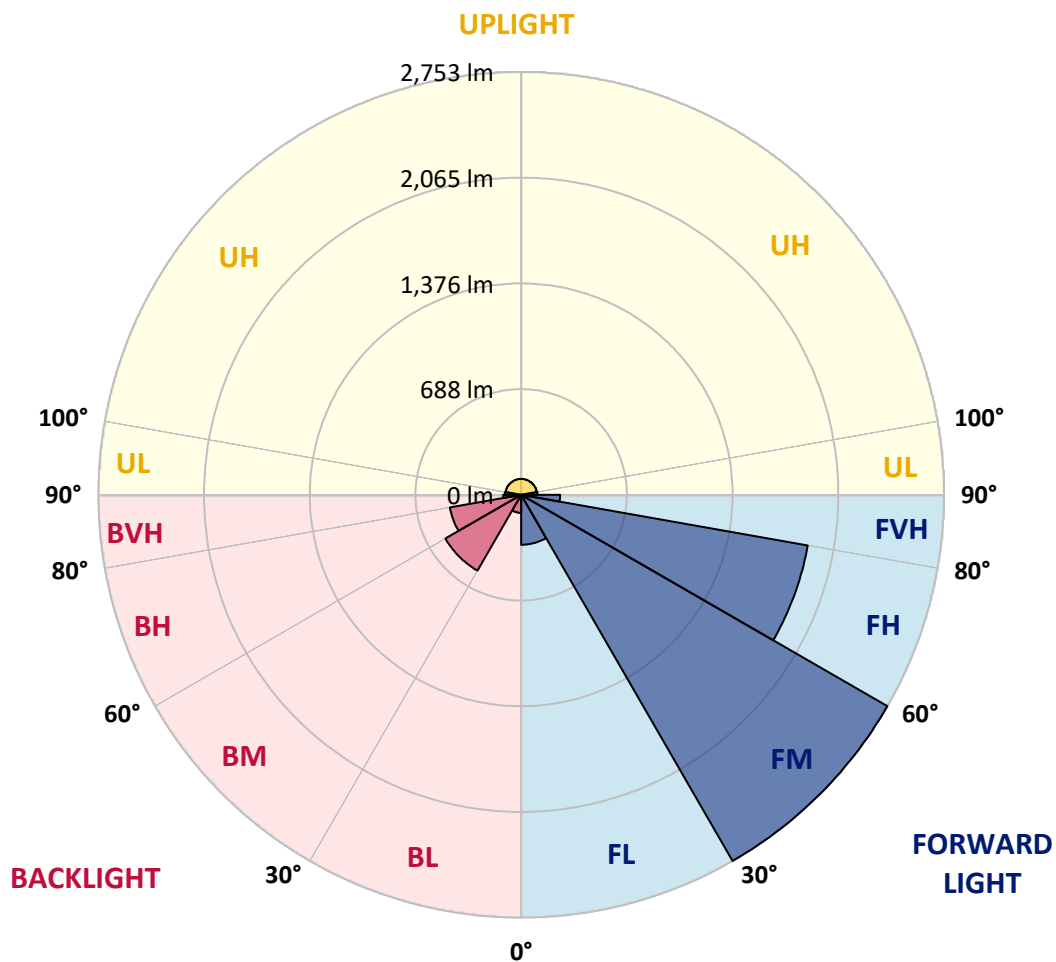
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.2	4.8			
FM	(30°-60°)	2752.7	41.0			
FH	(60°-80°)	1894.3	28.2			G2/5000
FVH	(80°-90°)	253.6	3.8			G3/500
BL	(0°-30°)	117.4	1.7	B1/500		
BM	(30°-60°)	569.4	8.5	B1/1000		
BH	(60°-80°)	471.0	7.0	B1/500		G1/500
BVH	(80°-90°)	116.9	1.7			G2/225
UL	(90°-100°)	106.3	1.6		U3/500	
UH	(100°-180°)	103.5	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	217.7	216.1	216.1	215.3	212.2	209.0	204.2	198.6	193.9	190.7	187.5
5°	264.6	259.0	260.6	255.9	250.3	243.9	235.2	223.3	212.2	209.8	201.0
7.5°	321.0	313.9	316.2	310.7	300.4	286.8	274.9	257.4	240.8	235.2	222.5
10°	392.5	385.4	381.4	373.5	361.5	344.1	325.8	302.7	279.7	271.7	255.9
12.5°	477.5	472.0	466.4	455.3	436.2	414.0	390.9	365.5	335.3	325.0	300.4
15°	583.2	578.5	566.5	551.4	523.6	499.0	464.0	441.0	403.7	390.9	360.7
17.5°	701.6	692.1	680.2	657.9	626.1	595.1	565.7	526.8	486.3	476.0	438.6
20°	847.8	844.6	821.6	784.3	749.3	707.2	678.6	640.4	595.1	580.8	531.6
22.5°	1021.0	1014.7	987.7	931.3	878.8	824.8	801.7	762.0	729.4	709.6	645.2
25°	1229.2	1217.3	1172.8	1105.3	1030.6	966.2	928.1	913.8	888.3	858.2	779.5
27.5°	1450.9	1451.7	1390.5	1290.4	1186.3	1109.2	1079.8	1085.4	1054.4	1037.7	941.6
30°	1725.0	1705.2	1624.9	1501.8	1361.1	1261.8	1244.3	1272.1	1263.4	1230.8	1117.2
32.5°	1999.2	1992.0	1892.7	1724.3	1539.9	1431.1	1418.3	1478.7	1476.3	1443.8	1299.1
35°	2272.5	2264.6	2141.4	1945.1	1726.6	1601.9	1590.8	1670.2	1698.8	1666.2	1504.2
37.5°	2547.4	2529.2	2405.2	2166.8	1903.8	1758.4	1763.2	1863.3	1930.1	1900.7	1702.0
40°	2789.8	2786.6	2642.0	2371.0	2074.7	1917.3	1949.1	2081.0	2162.9	2122.3	1903.0
42.5°	2975.7	2962.2	2834.3	2540.3	2228.0	2065.9	2120.8	2295.6	2400.4	2372.6	2100.9
45°	3061.5	3053.6	2951.1	2668.2	2347.2	2194.6	2281.3	2494.2	2637.2	2607.0	2304.3
47.5°	3038.5	3031.3	2975.7	2731.0	2425.9	2305.1	2422.7	2687.3	2885.9	2845.4	2506.9
50°	2900.2	2907.4	2889.9	2712.7	2453.7	2375.8	2557.0	2880.4	3129.1	3110.0	2702.4
52.5°	2647.6	2668.2	2696.0	2617.4	2428.3	2407.6	2653.9	3048.0	3370.6	3369.8	2919.3
55°	2319.4	2333.7	2430.6	2416.3	2331.3	2406.8	2725.4	3213.3	3642.4	3646.4	3143.4
57.5°	1971.4	1964.2	2092.9	2167.6	2189.9	2345.6	2760.4	3359.5	3882.4	3910.2	3380.2
60°	1590.8	1617.0	1737.8	1890.3	1973.8	2224.8	2748.5	3462.8	4113.6	4174.8	3595.5
62.5°	1292.8	1280.9	1413.6	1579.6	1748.9	2051.6	2661.9	3511.3	4333.7	4402.0	3794.2
65°	976.5	1001.2	1121.2	1268.2	1469.2	1833.1	2522.0	3485.9	4469.6	4557.0	3918.9
67.5°	753.3	772.3	874.8	1013.1	1218.1	1601.1	2320.2	3367.5	4490.2	4622.9	3936.4
70°	582.4	597.5	669.8	787.4	982.9	1345.2	2036.5	3141.8	4377.4	4480.7	3775.9
72.5°	464.0	470.4	521.2	616.6	776.3	1097.3	1728.2	2787.4	4036.5	4128.7	3446.9
75°	364.7	374.3	415.6	487.1	606.3	877.2	1412.8	2355.2	3517.6	3613.0	2993.2
77.5°	290.0	299.6	330.5	380.6	470.4	676.2	1103.7	1918.9	2871.6	2930.4	2384.6
80°	230.4	235.2	261.4	298.8	365.5	521.2	831.1	1456.5	2174.8	2236.0	1771.9
82.5°	174.8	178.8	205.0	237.6	285.3	394.9	600.7	1024.2	1532.0	1548.6	1203.0
85°	125.5	132.7	154.1	181.2	218.5	294.0	430.7	695.3	977.3	1002.8	762.0
87.5°	89.0	92.2	113.6	139.1	166.9	217.7	299.6	457.7	601.5	594.4	462.4
90°	60.4	62.8	81.8	102.5	127.1	162.9	209.0	287.6	369.5	357.6	290.0
92.5°	40.5	44.5	60.4	77.9	99.3	125.5	148.6	188.3	228.8	217.7	184.3
95°	30.2	31.8	46.1	62.0	79.5	96.1	110.4	128.7	146.2	143.0	127.1
97.5°	23.8	25.4	37.3	50.9	64.4	77.9	85.8	92.2	101.7	100.9	91.4
100°	20.7	21.5	31.8	43.7	55.6	65.2	69.9	71.5	74.7	73.1	69.9
102.5°	17.5	19.1	27.8	38.1	48.5	55.6	58.8	57.2	56.4	54.8	51.6
105°	15.9	16.7	24.6	34.2	42.9	48.5	49.3	46.9	42.9	42.1	40.5
107.5°	15.1	15.9	22.2	31.0	38.1	42.9	42.1	38.9	34.2	32.6	31.8
110°	14.3	15.1	20.7	27.8	35.0	38.1	37.3	32.6	27.0	25.4	26.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	14.3	14.3	19.1	25.4	31.8	34.2	32.6	27.8	22.2	21.5	22.2
115°	13.5	14.3	18.3	23.8	28.6	31.0	28.6	23.8	19.1	18.3	19.1
117.5°	13.5	14.3	17.5	22.2	27.0	27.8	25.4	20.7	15.9	15.9	17.5
120°	13.5	14.3	16.7	20.7	24.6	25.4	23.0	18.3	14.3	14.3	15.9
122.5°	14.3	14.3	15.9	19.9	23.0	23.8	20.7	15.9	13.5	13.5	15.1
125°	14.3	14.3	15.9	18.3	21.5	21.5	19.1	14.3	11.9	11.9	14.3
127.5°	14.3	14.3	15.9	17.5	19.9	19.9	17.5	13.5	11.1	11.1	13.5
130°	14.3	15.1	15.1	16.7	18.3	18.3	15.9	11.9	11.1	11.1	12.7
132.5°	15.1	15.1	15.1	15.9	17.5	16.7	13.5	11.1	10.3	10.3	11.9
135°	14.3	14.3	14.3	15.1	15.9	15.1	11.9	9.5	9.5	10.3	11.1
137.5°	14.3	14.3	14.3	13.5	14.3	13.5	11.1	8.7	8.7	9.5	10.3
140°	12.7	13.5	12.7	12.7	12.7	11.9	9.5	7.2	7.9	8.7	8.7
142.5°	11.9	11.9	11.9	11.1	11.1	10.3	7.9	6.4	7.2	7.2	7.9
145°	11.1	11.1	10.3	9.5	9.5	7.9	6.4	5.6	6.4	6.4	7.2
147.5°	9.5	9.5	9.5	7.9	7.2	6.4	4.0	4.0	4.8	5.6	5.6
150°	7.9	7.9	7.9	7.2	5.6	4.8	3.2	4.0	4.0	4.0	4.8
152.5°	6.4	6.4	6.4	5.6	4.8	3.2	2.4	3.2	3.2	3.2	4.0
155°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	1.6	1.6	1.6	1.6	1.6	1.6
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°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	185.1	182.8	178.8	174.8	170.8	166.9	163.7	162.9	160.5	160.5	159.7
5°	196.3	192.3	182.0	174.0	165.3	158.1	152.6	150.2	147.8	146.2	146.2
7.5°	216.1	207.4	192.3	178.8	166.9	156.5	149.4	145.4	142.2	140.6	140.6
10°	243.1	232.0	209.0	189.1	171.6	158.9	151.0	146.2	143.8	142.2	141.4
12.5°	282.9	267.0	233.6	205.0	182.8	166.9	156.5	153.4	154.1	154.1	154.1
15°	336.9	313.9	268.6	229.6	197.9	177.2	170.0	170.0	172.4	173.2	171.6
17.5°	406.8	375.8	312.3	254.3	216.9	195.5	187.5	187.5	191.5	193.9	193.9
20°	492.6	448.1	358.4	286.8	239.2	216.1	206.6	207.4	212.2	215.3	215.3
22.5°	591.2	538.7	417.2	320.2	263.8	234.4	224.1	224.9	232.8	236.8	238.4
25°	719.1	638.1	476.0	354.4	286.8	251.9	241.6	242.3	252.7	258.2	258.2
27.5°	854.2	748.5	535.6	387.8	306.7	267.8	257.4	259.8	271.0	275.7	277.3
30°	998.0	866.1	595.1	416.4	322.6	279.7	269.4	274.1	284.5	291.6	292.4
32.5°	1157.7	981.3	642.8	439.4	336.1	290.0	279.7	286.8	295.6	303.5	304.3
35°	1324.6	1095.7	684.9	455.3	344.9	298.8	287.6	294.8	303.5	310.7	309.9
37.5°	1474.0	1189.5	712.7	461.7	349.6	303.5	293.2	300.4	308.3	313.9	313.9
40°	1621.0	1287.2	726.3	456.9	349.6	305.9	295.6	303.5	310.7	313.9	313.9
42.5°	1760.8	1359.5	723.9	447.4	348.0	306.7	297.2	304.3	310.7	312.3	312.3
45°	1881.6	1426.3	709.6	431.5	342.5	305.9	298.0	304.3	309.1	309.1	309.9
47.5°	2024.6	1478.7	688.9	414.8	336.1	304.3	296.4	303.5	307.5	307.5	306.7
50°	2153.3	1529.6	661.1	396.5	330.5	302.7	295.6	302.7	307.5	305.9	305.9
52.5°	2290.0	1574.9	632.5	379.8	325.0	301.9	295.6	302.7	307.5	306.7	307.5
55°	2416.3	1620.2	596.7	364.7	321.8	301.1	296.4	303.5	309.9	309.9	309.1
57.5°	2578.4	1644.0	568.9	354.4	318.6	301.1	297.2	305.1	313.1	313.9	314.7
60°	2692.9	1675.0	545.9	348.0	318.6	302.7	299.6	307.5	317.8	321.8	324.2
62.5°	2776.3	1673.4	518.1	344.9	319.4	304.3	301.9	309.9	323.4	329.0	332.1
65°	2820.0	1644.8	489.5	342.5	320.2	305.9	303.5	311.5	327.4	337.7	340.9
67.5°	2762.8	1567.7	460.1	338.5	319.4	305.1	304.3	313.1	329.8	343.3	344.9
70°	2623.7	1437.4	425.1	329.8	316.2	302.7	301.9	309.1	327.4	343.3	344.9
72.5°	2359.9	1272.1	384.6	317.0	309.1	297.2	294.8	301.9	319.4	335.3	335.3
75°	2007.1	1080.6	344.9	298.8	294.8	287.6	285.3	289.2	304.3	319.4	320.2
77.5°	1571.7	860.5	302.7	273.3	277.3	271.7	269.4	271.7	285.3	295.6	296.4
80°	1195.9	655.5	262.2	243.1	252.7	251.1	248.7	247.9	257.4	265.4	263.0
82.5°	824.8	466.4	216.9	211.4	221.7	224.1	223.3	217.7	224.9	231.2	227.3
85°	532.4	329.8	181.2	178.8	188.3	192.3	191.5	187.5	189.1	196.3	188.3
87.5°	344.1	236.8	149.4	147.8	155.7	160.5	160.5	152.6	155.7	162.9	154.1
90°	215.3	167.7	124.8	124.0	129.5	131.9	128.7	124.0	125.5	129.5	126.3
92.5°	152.6	126.3	104.1	104.1	105.7	107.3	105.7	100.1	103.3	103.3	103.3
95°	111.2	100.1	90.6	89.0	88.2	87.4	86.6	82.6	85.8	85.0	82.6
97.5°	85.0	80.3	77.1	76.3	74.7	73.9	73.1	69.9	72.3	70.7	69.1
100°	66.7	66.0	66.0	66.0	64.4	62.0	62.0	61.2	61.2	58.8	58.8
102.5°	53.2	53.2	56.4	57.2	55.6	54.0	54.0	53.2	52.4	49.3	48.5
105°	42.1	43.7	48.5	49.3	48.5	46.9	46.1	46.1	44.5	40.5	40.5
107.5°	34.2	35.8	41.3	42.9	42.1	41.3	40.5	39.7	38.1	34.2	34.2
110°	27.8	30.2	35.0	37.3	36.6	35.8	35.8	34.2	32.6	29.4	29.4



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	26.2	30.2	32.6	32.6	31.8	31.0	30.2	27.8	25.4	25.4
115°	20.7	23.0	27.0	28.6	28.6	27.8	27.0	26.2	23.8	22.2	23.0
117.5°	19.1	20.7	23.8	25.4	25.4	24.6	23.8	23.0	21.5	20.7	20.7
120°	17.5	19.1	21.5	23.0	23.0	22.2	21.5	20.7	19.1	19.1	19.1
122.5°	15.9	17.5	19.9	20.7	20.7	19.9	19.1	18.3	16.7	17.5	17.5
125°	15.1	15.9	17.5	19.1	19.1	18.3	17.5	15.9	15.1	15.9	15.9
127.5°	14.3	15.1	16.7	17.5	17.5	16.7	15.1	14.3	13.5	14.3	14.3
130°	13.5	14.3	15.1	15.9	15.9	14.3	13.5	12.7	12.7	13.5	13.5
132.5°	12.7	13.5	13.5	14.3	14.3	13.5	11.9	11.1	11.1	11.9	11.9
135°	11.9	11.9	12.7	12.7	12.7	11.9	10.3	9.5	10.3	11.1	11.1
137.5°	10.3	11.1	11.1	11.9	11.1	10.3	8.7	8.7	9.5	9.5	9.5
140°	9.5	9.5	10.3	10.3	9.5	8.7	7.9	7.2	7.9	8.7	8.7
142.5°	8.7	8.7	8.7	8.7	8.7	7.2	6.4	6.4	7.2	7.2	7.2
145°	7.2	7.2	7.9	7.2	7.2	5.6	4.8	5.6	6.4	6.4	6.4
147.5°	5.6	6.4	6.4	6.4	5.6	4.0	3.2	4.8	5.6	5.6	5.6
150°	4.8	4.8	4.8	4.8	4.8	3.2	2.4	4.0	4.8	4.8	4.8
152.5°	4.0	4.0	4.8	4.8	4.0	2.4	1.6	3.2	4.0	4.0	3.2
155°	3.2	3.2	4.0	4.0	3.2	1.6	1.6	2.4	3.2	3.2	2.4
157.5°	2.4	3.2	3.2	3.2	2.4	1.6	0.8	1.6	2.4	2.4	2.4
160°	2.4	2.4	2.4	3.2	2.4	1.6	0.8	1.6	2.4	1.6	1.6
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)