

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: P416941

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6329 lumens
Efficiency: N/A
Efficacy: 76.3 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): 83
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

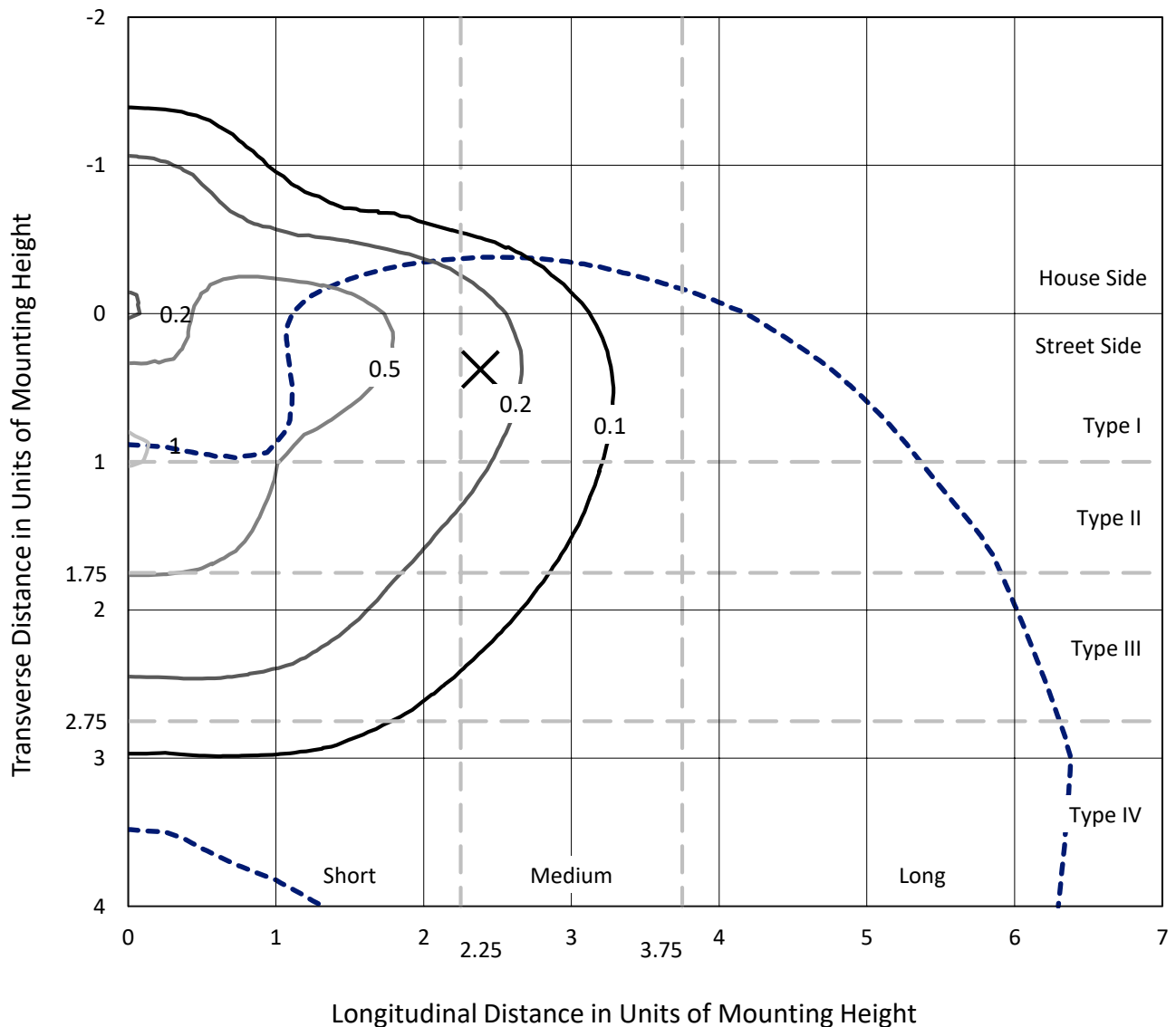


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

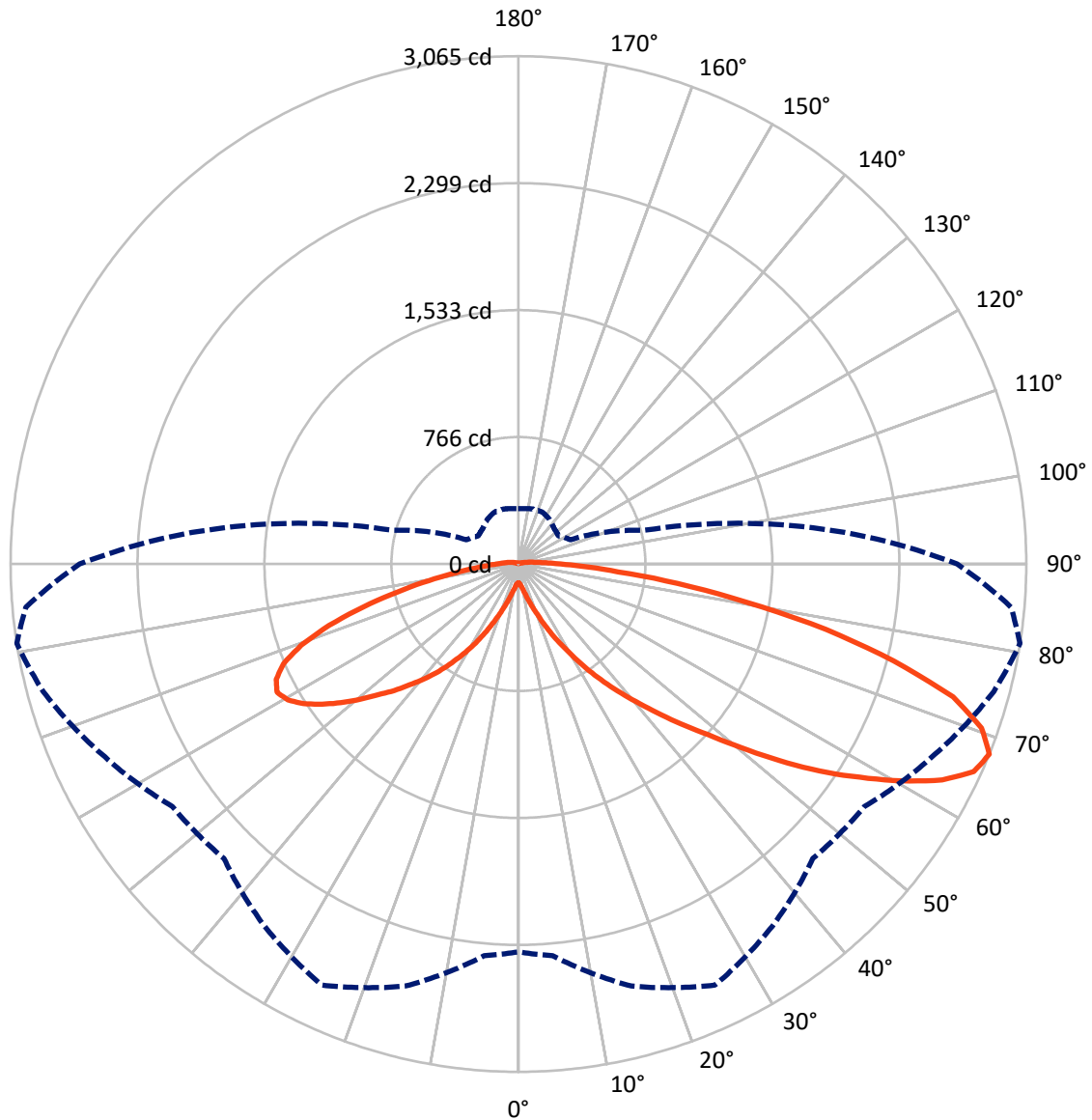


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1385.4	98.5	1483.9
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	4721.2	123.9	4845.1
	% Fixture	74.6	2.0	76.6
Total	Lumens	6106.6	222.4	6329.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.2
10°-20°	65.3	1.0
20°-30°	194.9	3.1
30°-40°	423.1	6.7
40°-50°	741.9	11.7
50°-60°	1175.7	18.6
60°-70°	1586.6	25.1
70°-80°	1361.3	21.5
80°-90°	544.6	8.6
90°-100°	132.5	2.1
100°-110°	46.5	0.7
110°-120°	21.3	0.3
120°-130°	11.5	0.2
130°-140°	6.5	0.1
140°-150°	3.0	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6106.6	96.5
0°-180°	6329.0	100.0



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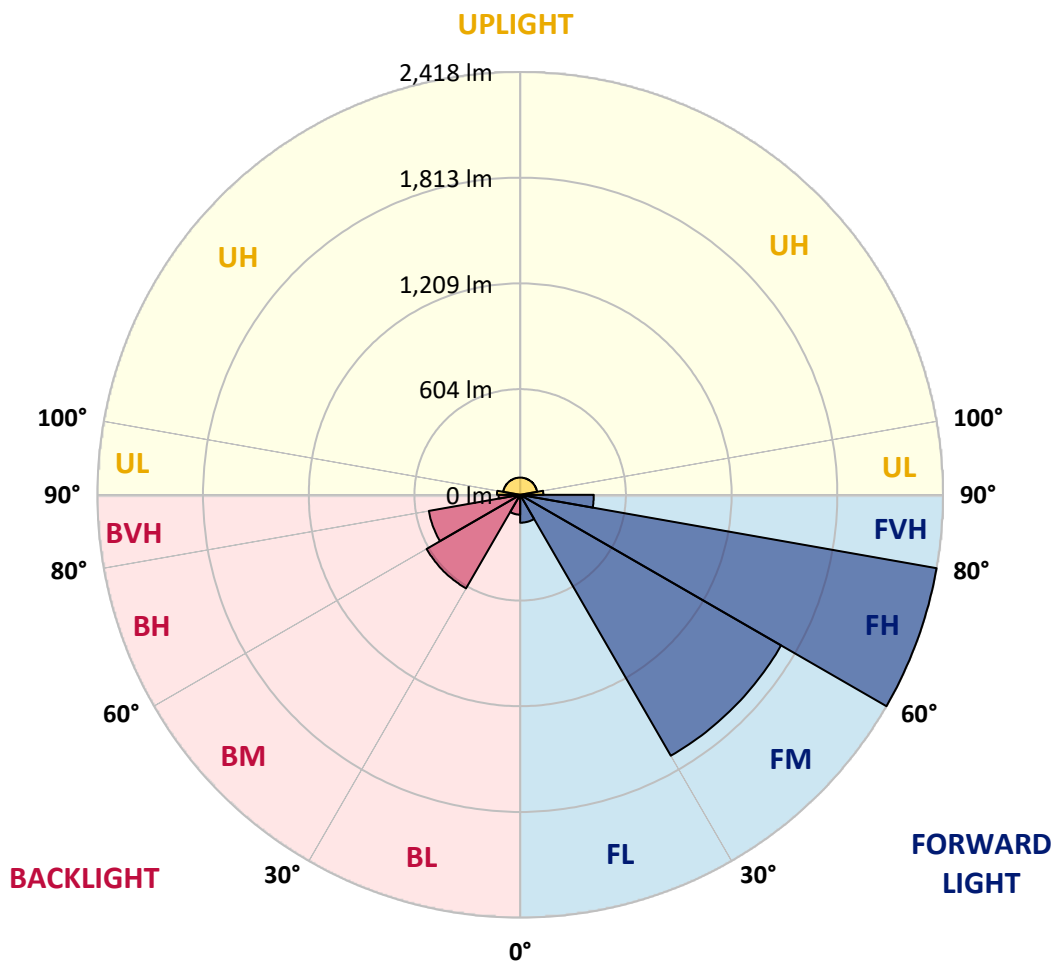
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.7	2.5			
FM (30°-60°)	1722.7	27.2			
FH (60°-80°)	2417.8	38.2			G2/5000
FVH (80°-90°)	421.0	6.7			G3/500
BL (0°-30°)	113.6	1.8	B1/500		
BM (30°-60°)	618.0	9.8	B1/1000		
BH (60°-80°)	530.1	8.4	B2/1000		G2/1000
BVH (80°-90°)	123.7	2.0			G2/225
UL (90°-100°)	132.5	2.1		U3/500	
UH (100°-180°)	98.5	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	124.2	123.5	123.5	124.2	124.2	124.2	122.0	119.8	117.6	116.9	116.1
5°	141.1	139.7	139.7	139.7	138.9	136.7	133.8	130.8	127.9	126.4	125.0
7.5°	163.2	162.4	161.7	159.5	158.8	155.1	150.7	146.3	141.9	140.4	138.9
10°	193.3	192.6	188.9	188.2	184.5	180.8	174.2	167.6	161.7	159.5	157.3
12.5°	231.5	231.5	226.4	220.5	216.1	208.8	202.9	194.8	190.4	187.4	184.5
15°	281.5	278.6	272.0	265.4	253.6	244.8	236.0	231.5	228.6	224.9	220.5
17.5°	336.7	333.0	327.1	313.9	298.4	285.9	277.9	273.4	272.0	269.8	264.6
20°	402.8	398.4	390.3	369.7	352.8	335.9	326.4	324.2	325.6	322.0	316.8
22.5°	481.5	478.5	461.6	435.9	412.4	388.8	380.0	381.5	384.4	389.6	386.6
25°	571.1	563.8	547.6	510.9	471.9	449.1	440.3	446.9	460.1	467.5	461.6
27.5°	675.5	671.1	638.8	591.0	540.3	509.4	502.8	521.9	544.7	550.6	550.6
30°	785.8	788.7	741.7	685.1	621.1	578.5	570.4	597.6	636.6	640.2	649.8
32.5°	925.4	920.3	871.0	778.4	702.7	647.6	642.4	680.7	729.9	749.0	749.0
35°	1071.7	1066.6	1006.3	896.8	791.7	720.4	724.0	764.5	831.3	855.6	859.3
37.5°	1240.0	1223.1	1157.7	1021.7	888.7	804.9	798.3	859.3	937.9	972.5	972.5
40°	1425.3	1415.7	1324.6	1163.6	987.9	892.4	887.2	957.8	1053.3	1091.6	1098.9
42.5°	1605.4	1592.9	1508.3	1301.0	1102.6	985.0	985.7	1062.9	1172.4	1225.3	1234.9
45°	1795.7	1784.0	1691.4	1470.1	1226.8	1099.6	1090.8	1187.1	1318.0	1376.8	1387.8
47.5°	1964.8	1956.7	1876.6	1638.4	1381.2	1222.4	1210.6	1321.6	1473.0	1538.5	1571.5
50°	2148.6	2138.3	2063.3	1817.8	1534.8	1353.2	1352.5	1471.6	1661.2	1740.6	1767.8
52.5°	2297.8	2286.0	2233.8	1997.9	1686.9	1506.1	1493.6	1639.9	1856.0	1969.9	1983.2
55°	2435.2	2430.8	2413.2	2191.2	1872.2	1656.1	1664.2	1837.6	2078.0	2206.6	2226.5
57.5°	2534.5	2540.3	2548.4	2385.2	2053.7	1823.7	1838.4	2036.1	2308.8	2428.6	2455.8
60°	2602.1	2622.7	2676.3	2554.3	2239.0	2006.7	2031.7	2232.4	2530.8	2658.7	2680.7
62.5°	2607.2	2629.3	2754.2	2712.3	2416.9	2194.1	2222.8	2434.5	2729.3	2871.1	2873.3
65°	2509.5	2539.6	2739.5	2797.6	2573.4	2373.5	2399.2	2614.6	2895.4	3021.1	2975.5
67.5°	2341.1	2372.8	2637.4	2805.0	2670.5	2513.1	2549.9	2754.2	2970.4	3065.2	2984.3
70°	2097.1	2128.0	2406.6	2694.0	2688.1	2595.5	2644.0	2811.6	2956.4	2965.9	2852.0
72.5°	1776.6	1773.7	2074.3	2451.4	2590.3	2588.9	2666.0	2768.2	2796.9	2743.2	2574.2
75°	1360.6	1398.8	1673.0	2100.8	2367.6	2472.0	2549.9	2588.9	2506.5	2340.4	2157.4
77.5°	974.7	1006.3	1255.5	1656.1	2036.8	2229.4	2315.4	2297.0	2092.7	1897.9	1687.7
80°	645.4	663.8	871.8	1236.4	1642.1	1865.6	1969.2	1898.6	1639.2	1390.0	1208.4
82.5°	387.4	417.5	548.4	868.8	1218.0	1474.5	1537.7	1420.1	1170.2	967.3	834.3
85°	234.5	241.1	341.1	555.7	850.5	1060.7	1121.0	994.5	769.6	604.2	501.3
87.5°	131.6	143.3	211.0	361.6	571.9	736.5	757.8	654.9	482.9	374.9	313.9
90°	77.2	85.3	129.4	224.2	364.6	476.3	482.2	396.2	285.9	225.7	200.7
92.5°	49.2	55.1	86.0	144.1	234.5	309.5	301.4	244.8	183.0	150.7	130.1
95°	35.3	38.2	60.3	99.2	157.3	194.8	191.8	153.6	122.8	105.1	95.6
97.5°	26.5	29.4	47.0	72.8	105.8	130.8	127.9	102.2	85.3	77.2	73.5
100°	22.1	23.5	38.2	57.3	78.7	94.1	92.6	75.7	63.9	58.1	56.6
102.5°	19.1	20.6	31.6	46.3	62.5	72.8	69.8	58.8	48.5	43.4	41.9
105°	16.9	17.6	27.2	39.7	51.5	57.3	56.6	47.0	37.5	32.3	31.6
107.5°	15.4	16.2	23.5	33.8	43.4	48.5	47.0	38.2	28.7	25.0	24.3
110°	14.0	14.7	20.6	29.4	36.8	41.2	39.0	31.6	22.8	19.1	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	13.2	13.2	18.4	25.0	31.6	35.3	33.1	25.7	17.6	15.4	16.2
115°	12.5	12.5	16.2	22.1	27.9	30.9	27.9	21.3	14.7	13.2	13.2
117.5°	11.8	11.8	14.7	19.8	25.0	27.2	24.3	18.4	12.5	11.0	11.8
120°	11.0	11.8	14.0	17.6	22.1	23.5	21.3	15.4	10.3	10.3	11.0
122.5°	11.0	11.0	13.2	16.2	19.8	20.6	18.4	13.2	9.6	9.6	9.6
125°	11.0	11.0	12.5	14.7	17.6	18.4	15.4	11.0	8.8	8.8	8.8
127.5°	11.0	11.0	11.8	14.0	15.4	16.2	14.0	10.3	8.1	8.1	8.8
130°	10.3	11.0	11.0	12.5	14.0	14.0	11.8	8.8	7.4	7.4	8.1
132.5°	10.3	10.3	11.0	11.8	12.5	12.5	10.3	8.1	6.6	7.4	7.4
135°	10.3	10.3	10.3	11.0	11.8	11.0	8.8	6.6	5.9	6.6	6.6
137.5°	9.6	9.6	9.6	10.3	10.3	9.6	8.1	5.9	5.9	5.9	5.9
140°	8.8	8.8	8.8	8.8	9.6	8.8	6.6	5.1	5.1	5.1	5.1
142.5°	8.1	8.1	8.1	8.1	8.1	7.4	5.9	4.4	4.4	4.4	4.4
145°	7.4	7.4	7.4	7.4	6.6	5.9	4.4	3.7	3.7	4.4	4.4
147.5°	5.9	5.9	5.9	5.9	5.9	5.1	3.7	2.9	3.7	3.7	3.7
150°	5.1	5.1	5.1	5.1	4.4	4.4	2.9	2.9	2.9	3.7	3.7
152.5°	3.7	3.7	3.7	4.4	3.7	2.9	2.2	2.2	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.9	2.9	2.9
157.5°	1.5	2.2	2.2	2.2	2.2	2.2	1.5	2.2	2.2	2.2	2.2
160°	0.7	0.7	1.5	1.5	2.2	2.2	1.5	1.5	2.2	2.2	2.2
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°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	116.1	115.4	114.7	113.9	113.2	113.2	112.5	111.7	111.0	110.3	110.3
5°	124.2	122.8	120.5	119.1	117.6	117.6	116.1	115.4	113.9	113.2	113.2
7.5°	136.7	136.0	131.6	129.4	127.2	126.4	125.0	123.5	122.0	122.0	122.0
10°	155.1	152.9	149.2	143.3	141.1	139.7	137.5	136.0	136.0	136.7	136.7
12.5°	183.0	177.1	172.0	163.9	159.5	156.6	155.1	155.8	159.5	161.0	159.5
15°	215.4	213.9	201.4	189.6	180.8	174.9	178.6	183.0	188.2	189.6	191.8
17.5°	260.2	255.1	238.2	221.3	205.1	202.1	206.6	213.9	219.8	224.2	227.9
20°	313.9	305.0	284.5	255.1	236.7	232.3	235.2	245.5	256.5	265.4	266.1
22.5°	381.5	368.3	331.5	294.8	267.6	260.2	263.9	280.1	296.2	307.3	306.5
25°	455.0	438.8	389.6	336.7	299.2	285.9	292.6	313.9	336.7	349.9	351.4
27.5°	537.3	521.2	452.8	377.1	327.8	308.0	319.0	343.3	374.1	390.3	393.3
30°	634.4	612.3	516.0	420.5	354.3	328.6	338.9	370.5	404.3	427.1	430.0
32.5°	735.1	700.5	579.2	455.7	372.7	341.8	353.6	390.3	429.3	454.3	458.7
35°	839.4	796.8	643.2	485.9	385.9	349.9	361.6	402.8	444.0	471.2	474.8
37.5°	957.0	900.4	701.2	508.7	393.3	352.1	363.9	405.0	446.9	473.4	477.0
40°	1075.4	999.7	749.8	522.6	394.0	349.9	359.4	399.1	438.8	461.6	465.3
42.5°	1202.5	1104.1	798.3	526.3	390.3	344.0	352.1	387.4	421.2	438.8	441.0
45°	1345.1	1224.6	839.4	523.4	380.0	335.2	341.1	371.2	397.7	405.7	409.4
47.5°	1495.8	1343.7	871.0	514.5	369.7	325.6	329.3	354.3	371.2	371.9	372.7
50°	1679.6	1488.5	910.0	502.0	355.8	316.8	319.0	338.9	346.9	343.3	341.8
52.5°	1881.0	1643.6	935.0	482.2	343.3	308.7	310.9	326.4	329.3	321.2	322.0
55°	2100.0	1788.4	956.3	463.1	330.0	303.6	308.0	320.5	320.5	310.2	309.5
57.5°	2304.4	1936.1	965.9	438.8	319.0	299.9	307.3	319.7	318.3	308.7	308.0
60°	2502.1	2056.7	954.1	415.3	311.7	298.4	311.7	324.9	323.4	315.3	314.6
62.5°	2638.8	2132.4	924.7	391.8	305.0	300.6	316.8	332.2	332.2	323.4	323.4
65°	2697.6	2123.6	864.4	368.3	299.9	302.1	324.2	340.3	338.9	331.5	330.0
67.5°	2648.4	2043.4	783.6	345.5	295.5	303.6	327.8	344.7	343.3	335.2	333.7
70°	2490.4	1875.1	685.8	324.9	289.6	301.4	329.3	344.0	341.8	334.4	331.5
72.5°	2175.8	1613.4	583.6	305.0	280.8	296.2	324.9	338.1	335.9	330.0	326.4
75°	1792.1	1301.0	482.2	283.0	269.8	286.7	315.3	327.1	324.2	319.0	315.3
77.5°	1370.1	982.8	398.4	262.4	256.5	274.2	302.1	310.9	308.0	303.6	301.4
80°	969.5	699.8	320.5	239.6	237.4	255.1	278.6	288.1	286.7	282.3	278.6
82.5°	638.0	465.3	255.8	213.9	215.4	233.7	251.4	256.5	255.8	252.1	247.7
85°	393.3	306.5	201.4	184.5	191.1	205.8	220.5	221.3	219.0	218.3	211.7
87.5°	250.7	209.5	158.0	156.6	166.1	178.6	185.2	182.3	183.8	183.8	178.6
90°	163.2	147.0	126.4	130.8	141.1	150.7	153.6	145.5	150.0	147.7	145.5
92.5°	118.3	109.5	102.9	108.8	119.1	127.9	126.4	117.6	119.8	119.8	119.1
95°	89.7	85.3	86.0	91.9	100.0	105.8	102.9	95.6	96.3	94.8	92.6
97.5°	70.6	69.8	72.8	77.2	84.5	88.2	85.3	78.7	77.9	75.7	75.0
100°	55.9	56.6	61.0	66.2	70.6	73.5	71.3	64.7	61.7	58.1	57.3
102.5°	43.4	44.8	50.7	55.1	59.5	61.7	59.5	54.4	49.2	45.6	44.8
105°	33.8	35.3	41.9	46.3	50.0	51.5	50.0	44.1	39.0	34.5	34.5
107.5°	26.5	27.9	34.5	39.7	41.9	43.4	41.2	36.8	30.9	27.2	27.2
110°	21.3	22.8	28.7	33.1	35.3	36.8	34.5	29.4	25.0	22.1	22.1



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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.9	19.1	23.5	27.9	30.1	30.9	28.7	25.0	19.8	18.4	18.4
115°	14.7	16.2	19.8	23.5	25.7	25.7	24.3	20.6	16.2	15.4	15.4
117.5°	12.5	14.0	16.9	20.6	22.1	22.1	20.6	16.9	14.0	13.2	13.2
120°	11.8	12.5	14.7	17.6	19.1	19.1	17.6	14.7	11.8	11.8	11.8
122.5°	10.3	11.0	13.2	15.4	16.9	16.9	15.4	12.5	10.3	11.0	11.0
125°	9.6	10.3	11.8	13.2	14.7	14.7	13.2	11.0	9.6	9.6	9.6
127.5°	8.8	9.6	10.3	11.8	12.5	12.5	11.8	9.6	8.8	8.8	8.8
130°	8.1	8.8	9.6	10.3	11.0	11.0	9.6	8.1	8.1	8.1	8.1
132.5°	8.1	8.1	8.1	8.8	9.6	9.6	8.8	7.4	7.4	7.4	7.4
135°	7.4	7.4	7.4	7.4	8.1	8.1	7.4	6.6	6.6	6.6	6.6
137.5°	6.6	6.6	6.6	6.6	7.4	7.4	6.6	5.9	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.1	5.9	5.9	5.1	5.1	5.1	5.1	5.1
142.5°	4.4	5.1	4.4	4.4	4.4	4.4	4.4	3.7	4.4	4.4	4.4
145°	4.4	4.4	4.4	3.7	3.7	3.7	3.7	2.9	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	2.9	2.2	2.9	2.2	2.9	2.9	2.9	2.9
150°	3.7	3.7	2.9	2.9	2.2	1.5	1.5	2.2	2.2	2.2	2.2
152.5°	2.9	2.9	2.9	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
155°	2.9	2.9	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	2.2	2.2	2.2	1.5	1.5	0.7	0.0	0.7	0.0	0.0	0.0
160°	2.2	2.2	2.2	1.5	0.7	0.7	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)