

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: P416936

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416936
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-PA1-80-827-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 6615 lumens
Efficiency: N/A
Efficacy: 79.7 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

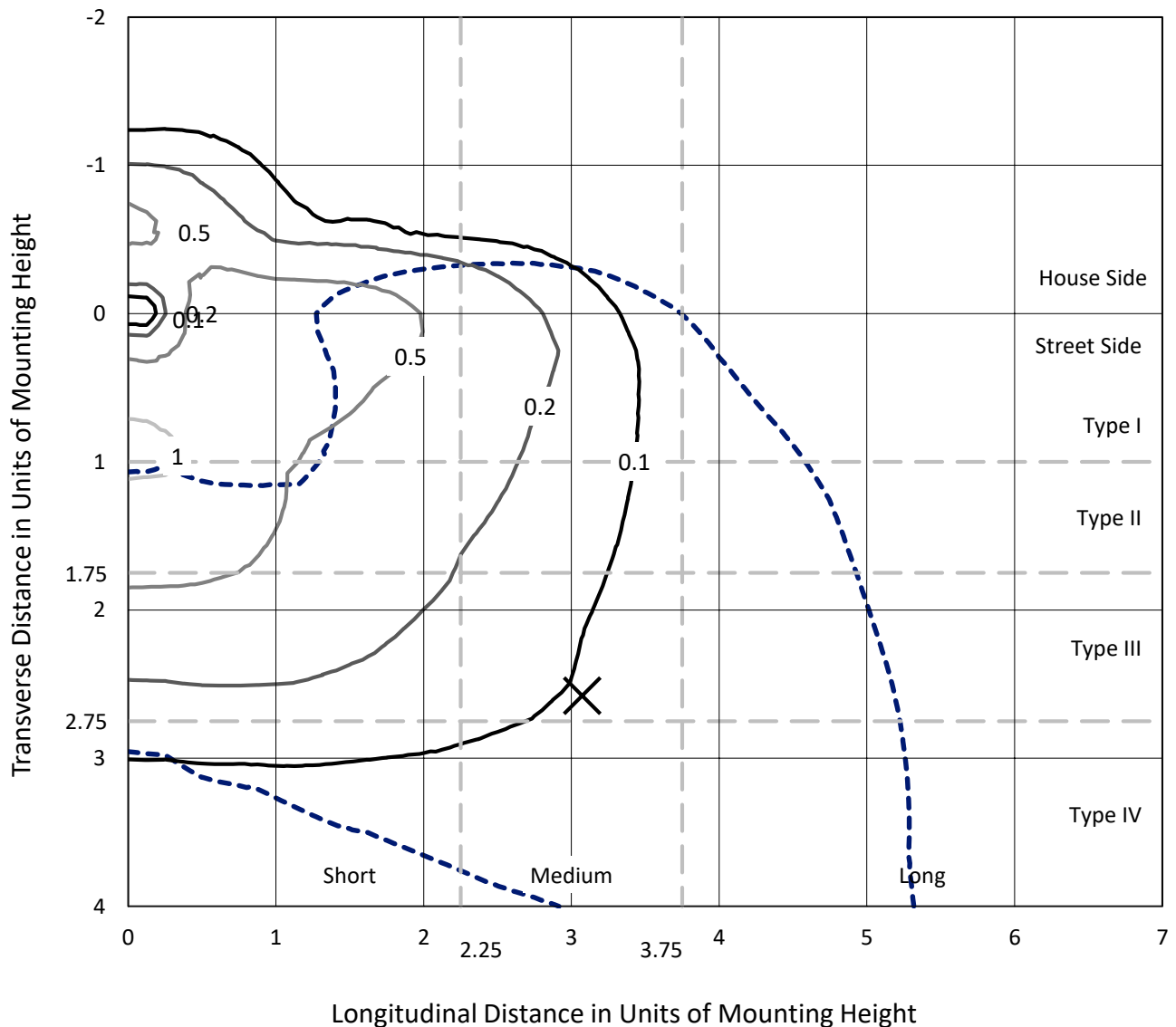


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

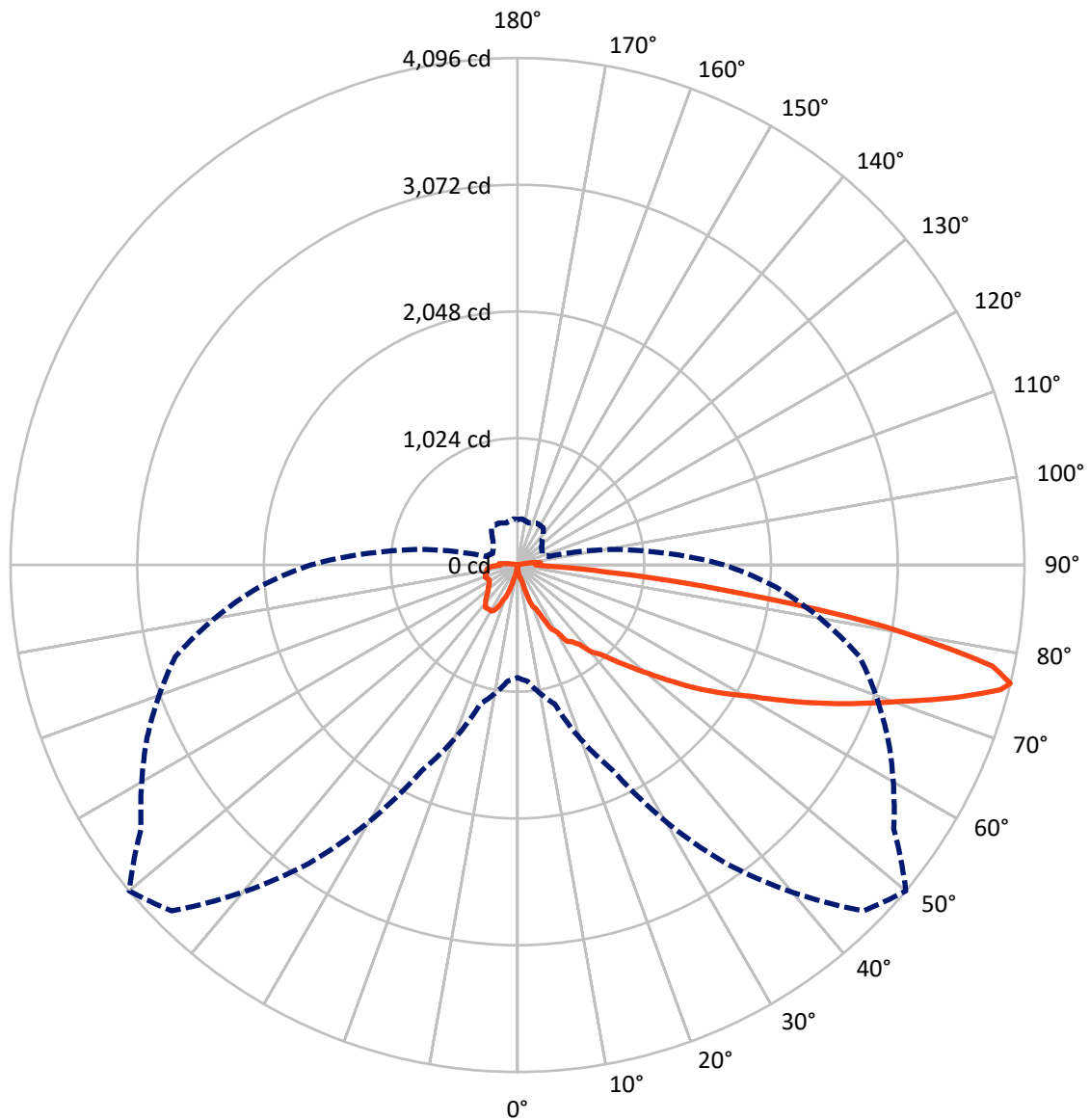


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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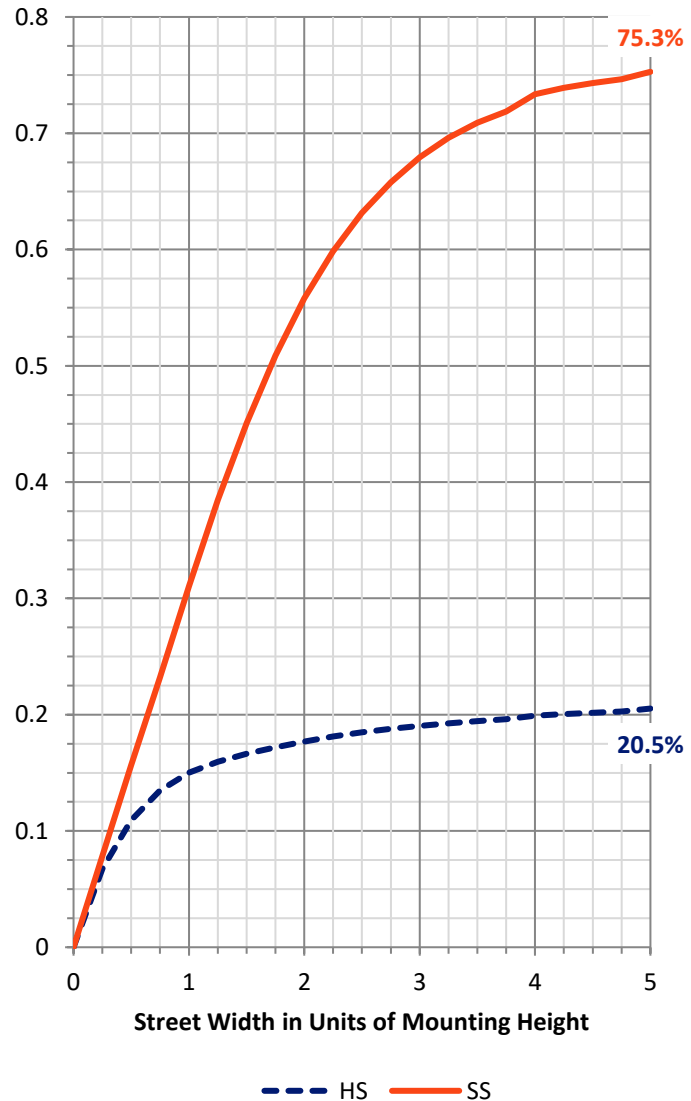
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1443.7	81.3	1525.1
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	5024.6	65.3	5089.9
	% Fixture	76.0	1.0	76.9
Total	Lumens	6468.4	146.6	6615.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	55.2	0.8
20°-30°	215.8	3.3
30°-40°	464.5	7.0
40°-50°	756.7	11.4
50°-60°	1218.3	18.4
60°-70°	1774.5	26.8
70°-80°	1583.1	23.9
80°-90°	396.6	6.0
90°-100°	116.1	1.8
100°-110°	17.2	0.3
110°-120°	4.9	0.1
120°-130°	3.4	0.1
130°-140°	2.3	0.0
140°-150°	1.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6468.4	97.8
0°-180°	6615.0	100.0



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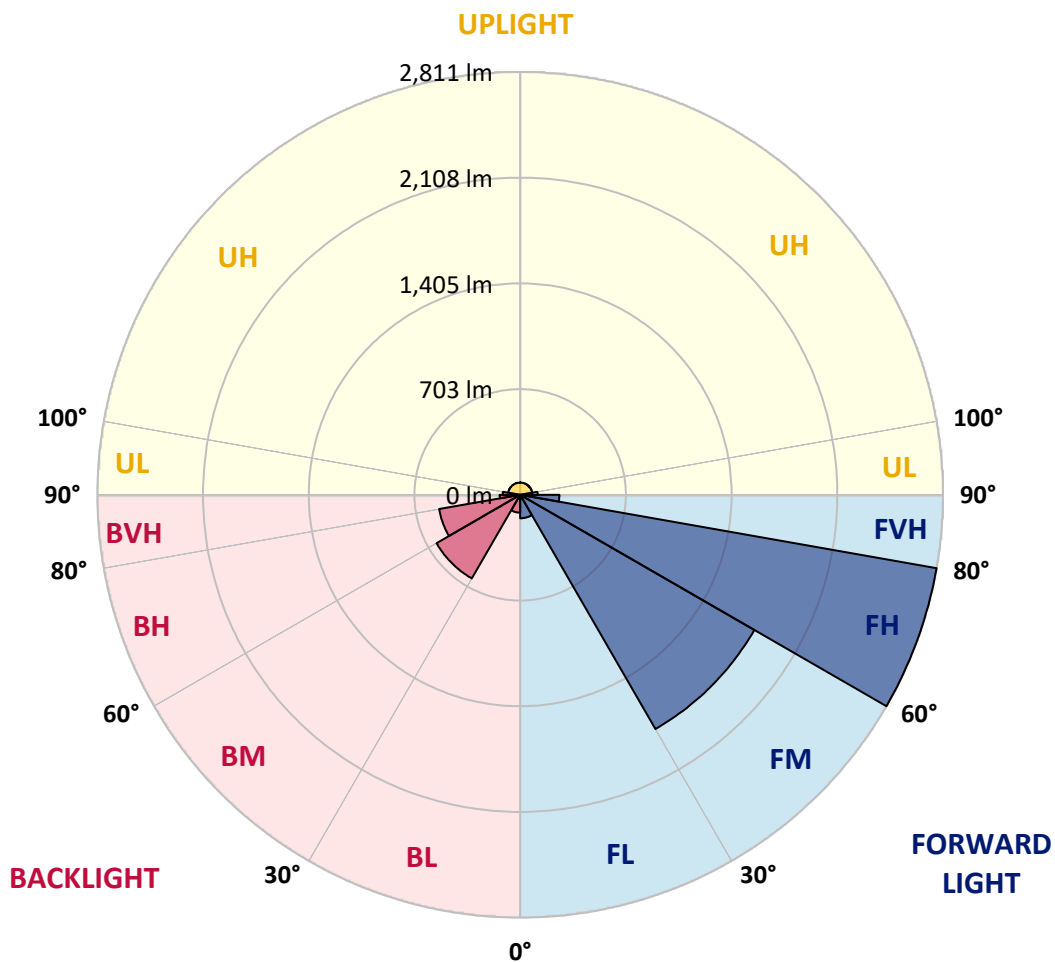
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.0	2.4			
FM	(30°-60°)	1797.5	27.2			
FH	(60°-80°)	2810.7	42.5			G2/5000
FVH	(80°-90°)	260.4	3.9			G3/500
BL	(0°-30°)	118.7	1.8	B1/500		
BM	(30°-60°)	642.0	9.7	B1/1000		
BH	(60°-80°)	546.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	136.2	2.1			G2/225
UL	(90°-100°)	116.1	1.8		U3/500	
UH	(100°-180°)	81.3	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	9.6	7.4	6.6	5.9	5.9	5.1	5.1	4.4	4.4	4.4	4.4
5°	92.6	89.7	83.1	77.2	26.5	22.1	18.4	14.0	5.1	5.1	4.4
7.5°	111.0	108.8	104.4	101.5	97.0	90.4	83.1	39.0	15.4	5.9	5.1
10°	145.6	134.5	125.7	118.4	113.2	102.2	99.2	93.4	25.7	11.0	8.1
12.5°	260.2	254.4	245.5	166.9	137.5	117.6	113.2	108.1	83.8	39.7	71.3
15°	286.7	280.8	272.0	261.0	244.8	144.8	136.0	169.1	216.1	162.5	169.8
17.5°	336.7	333.8	310.2	283.8	267.6	284.5	285.2	258.8	245.5	214.7	195.6
20°	466.8	463.9	450.7	383.0	302.9	359.5	358.0	344.8	275.7	316.9	341.1
22.5°	485.9	482.3	470.5	452.1	479.3	394.0	384.5	384.5	406.5	430.8	401.4
25°	639.6	635.9	546.2	475.7	513.9	469.0	470.5	520.5	449.9	472.7	451.4
27.5°	668.3	663.1	655.8	608.7	541.1	594.0	585.9	558.7	585.2	652.8	630.0
30°	780.0	723.4	699.1	671.9	638.9	629.3	625.6	674.9	694.0	689.6	696.2
32.5°	905.0	902.8	879.3	716.8	722.7	676.4	735.9	758.0	728.5	837.4	907.2
35°	1087.3	1012.3	966.7	858.7	752.1	782.2	761.6	784.4	885.1	895.4	962.3
37.5°	1366.7	1362.3	1257.9	947.6	867.5	800.6	815.3	878.5	944.7	959.4	1049.8
40°	1597.5	1576.2	1510.0	1181.4	943.2	866.0	924.8	910.9	980.7	1032.2	1118.9
42.5°	1768.8	1788.7	1751.2	1367.4	1095.4	969.7	987.3	968.9	1033.6	1129.9	1218.2
45°	1932.7	1924.7	1950.4	1556.3	1241.7	1102.7	1101.3	1056.4	1130.7	1238.8	1354.9
47.5°	2066.5	2054.8	2081.2	1761.5	1410.0	1223.3	1233.6	1175.5	1246.8	1374.8	1557.8
50°	2215.8	2193.0	2210.6	1933.5	1629.9	1397.5	1383.6	1338.7	1379.2	1553.4	1805.6
52.5°	2395.2	2379.0	2347.4	2104.8	1856.3	1576.9	1559.3	1515.9	1560.0	1775.4	2079.8
55°	2556.2	2537.8	2512.1	2340.8	2044.5	1759.2	1760.0	1716.6	1802.6	2018.0	2398.1
57.5°	2723.8	2715.0	2728.2	2604.7	2313.6	1949.7	1954.1	1927.6	2082.0	2267.2	2735.5
60°	2862.7	2849.5	2923.0	2874.5	2552.5	2167.3	2149.6	2178.3	2367.2	2527.5	3077.4
62.5°	2915.7	2924.5	3063.4	3123.0	2784.1	2401.8	2408.4	2447.4	2631.2	2839.2	3406.7
65°	2667.2	2698.1	3086.2	3166.3	3042.1	2662.0	2693.6	2687.0	2901.7	3068.6	3684.6
67.5°	2397.4	2432.7	2854.6	3177.4	3242.1	2967.9	2984.0	2918.6	3134.7	3211.9	3892.0
70°	2206.2	2233.4	2580.4	3114.9	3364.8	3286.9	3294.3	3173.0	3303.8	3380.3	3884.6
72.5°	1875.4	1904.1	2224.6	2878.9	3441.3	3673.6	3673.6	3406.0	3440.6	3376.6	3430.3
75°	1267.4	1278.4	1540.9	2234.9	3243.5	3989.0	4027.2	3660.4	3393.5	3067.1	2558.4
76°	910.1	943.9	1163.8	1835.0	2945.8	3953.0	4096.3	3711.8	3301.6	2862.0	2105.5
77.5°	482.3	513.1	686.6	1174.8	2389.3	3675.8	3923.6	3553.8	3010.5	2456.9	1557.1
80°	188.9	186.7	236.0	418.3	1210.1	2795.8	3002.4	2619.4	2036.4	1423.3	739.6
82.5°	103.7	114.0	150.0	221.3	524.9	1542.4	1696.0	1382.1	1039.5	656.5	432.3
85°	66.2	67.6	88.2	136.7	324.2	649.9	713.8	591.8	486.7	402.9	307.3
87.5°	39.7	41.2	46.3	63.2	160.3	191.1	208.8	245.5	279.4	277.2	265.4
90°	27.2	27.2	22.8	25.0	75.0	152.9	147.0	156.6	142.6	180.9	255.8
92.5°	26.5	26.5	22.1	22.8	64.0	169.8	170.6	169.8	150.7	184.5	269.1
95°	23.5	24.3	19.1	19.8	47.1	158.8	186.7	180.9	152.2	186.0	268.3
97.5°	19.8	20.6	14.7	16.9	31.6	107.3	138.9	141.9	94.8	94.1	121.3
100°	14.7	15.4	10.3	13.2	19.1	49.3	74.3	69.8	47.1	25.7	16.9
102.5°	14.0	14.7	8.8	10.3	11.8	16.9	27.2	20.6	17.6	14.7	14.7
105°	15.4	15.4	8.1	7.4	7.4	8.1	6.6	9.6	10.3	11.0	15.4
107.5°	13.2	14.0	5.9	5.9	5.1	5.1	4.4	4.4	5.9	9.6	16.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	10.3	10.3	5.1	5.1	3.7	4.4	4.4	3.7	5.1	7.4	13.2
112.5°	5.9	6.6	2.9	4.4	2.9	3.7	3.7	2.9	4.4	5.1	7.4
115°	5.9	5.9	2.9	2.2	2.2	2.2	2.9	2.9	3.7	5.1	8.1
117.5°	5.9	5.9	2.9	2.2	1.5	2.2	2.2	2.2	3.7	5.1	8.1
120°	5.9	5.9	2.9	1.5	1.5	1.5	1.5	2.2	3.7	5.1	8.1
122.5°	6.6	5.9	2.9	1.5	1.5	1.5	1.5	2.2	3.7	5.1	7.4
125°	6.6	5.9	2.9	1.5	1.5	1.5	1.5	2.2	2.9	4.4	6.6
127.5°	6.6	5.9	2.9	1.5	1.5	1.5	1.5	2.2	2.9	4.4	5.9
130°	5.9	5.9	2.9	1.5	1.5	1.5	1.5	2.2	2.9	4.4	5.9
132.5°	5.9	5.1	2.9	1.5	1.5	1.5	1.5	2.2	2.9	3.7	5.1
135°	5.1	4.4	2.9	1.5	2.2	1.5	2.2	2.2	2.9	3.7	4.4
137.5°	4.4	4.4	2.9	2.2	2.2	2.2	2.2	2.2	2.9	3.7	3.7
140°	5.1	4.4	2.9	2.9	2.2	2.2	2.2	2.2	2.9	3.7	3.7
142.5°	5.9	5.1	3.7	2.9	2.9	2.2	2.2	2.9	2.9	3.7	3.7
145°	5.9	5.9	4.4	3.7	2.2	2.2	2.2	2.9	3.7	3.7	4.4
147.5°	6.6	5.9	4.4	3.7	2.2	1.5	2.2	2.2	3.7	4.4	4.4
150°	5.9	5.9	3.7	2.9	1.5	0.7	1.5	2.2	3.7	4.4	4.4
152.5°	4.4	4.4	2.9	1.5	0.7	0.7	1.5	2.2	2.9	3.7	4.4
155°	2.9	2.9	1.5	0.7	0.0	0.7	0.7	1.5	2.2	2.9	3.7
157.5°	1.5	1.5	0.7	0.0	0.0	0.7	0.7	1.5	2.2	2.9	2.9
160°	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.4	3.7	3.7	2.9	2.9	2.2	2.2	2.2	2.2	2.9	3.7
5°	4.4	4.4	3.7	3.7	3.7	2.9	2.9	4.4	5.1	5.9	5.9
7.5°	4.4	4.4	4.4	3.7	4.4	5.9	23.5	67.6	74.3	78.7	80.1
10°	8.1	7.4	6.6	5.9	11.0	75.0	92.6	100.7	104.4	108.1	108.1
12.5°	77.2	77.2	31.6	17.6	75.7	100.7	105.9	111.7	116.9	122.0	122.8
15°	167.6	165.4	159.5	146.3	126.4	114.0	119.1	176.4	207.3	221.3	219.1
17.5°	191.9	188.9	185.3	211.0	219.8	175.7	205.1	227.9	234.5	241.9	241.1
20°	355.8	352.1	274.2	245.5	240.4	294.8	234.5	239.7	251.4	320.5	322.7
22.5°	398.5	394.0	366.8	374.2	280.8	319.8	309.5	324.2	361.7	372.7	374.2
25°	466.8	449.2	416.1	391.1	397.7	333.8	385.2	361.0	374.9	388.2	390.4
27.5°	646.2	635.9	577.1	438.2	405.8	417.6	401.4	392.6	469.0	497.0	499.2
30°	696.2	685.9	612.4	507.3	427.9	427.9	404.3	489.6	493.3	508.0	511.7
32.5°	946.2	925.6	778.5	515.3	444.0	408.8	458.0	482.3	541.1	585.2	592.5
35°	1004.2	986.6	803.5	588.9	429.3	425.7	432.3	508.0	551.4	577.8	583.7
37.5°	1064.5	1044.7	800.6	560.9	455.1	405.8	420.5	474.9	537.4	605.8	614.6
40°	1146.9	1122.6	804.3	524.9	426.4	383.8	394.8	455.8	498.4	541.1	548.4
42.5°	1257.1	1208.6	810.9	492.6	393.3	374.2	376.4	411.7	431.5	449.2	449.2
45°	1405.6	1327.0	813.1	458.7	360.2	352.1	355.1	371.3	378.6	367.6	362.4
47.5°	1604.9	1473.3	840.3	428.6	332.3	327.9	330.1	335.2	331.6	302.9	297.7
50°	1837.2	1645.3	855.0	402.1	311.7	311.0	307.3	307.3	294.1	261.7	259.5
52.5°	2093.7	1850.4	867.5	369.8	297.0	300.7	300.7	285.2	265.4	239.7	237.5
55°	2419.4	2087.1	885.9	341.9	284.5	283.8	291.9	272.7	252.2	230.1	230.1
57.5°	2742.9	2337.8	907.9	317.6	270.5	272.0	283.8	268.3	257.3	248.5	247.8
60°	3066.4	2596.6	872.6	295.5	265.4	262.5	281.6	285.2	272.0	277.2	282.3
62.5°	3370.0	2762.0	730.8	276.4	255.8	260.2	300.7	323.5	319.1	313.9	315.4
65°	3513.3	2795.8	592.5	259.5	249.2	275.7	331.6	366.1	351.4	334.5	333.0
67.5°	3537.6	2708.3	436.0	249.2	245.5	302.9	355.8	375.7	353.6	347.0	341.1
70°	3367.0	2486.3	348.5	238.2	248.5	307.3	371.3	373.5	357.3	364.6	357.3
72.5°	2863.5	2071.0	305.1	227.9	249.2	296.3	371.3	374.2	355.8	377.1	373.5
75°	2050.4	1451.9	271.3	219.1	241.1	283.8	366.1	373.5	351.4	374.9	369.1
76°	1670.3	1152.0	261.7	221.3	237.5	279.4	364.6	371.3	352.1	373.5	367.6
77.5°	1103.5	752.8	245.5	219.8	230.8	277.2	361.0	368.3	351.4	369.1	363.2
80°	590.3	426.4	221.3	205.1	222.8	278.6	358.0	361.0	337.4	357.3	349.9
82.5°	388.9	317.6	191.1	186.0	214.7	280.8	356.6	352.1	325.7	357.3	337.4
85°	305.1	262.5	143.4	149.2	195.6	271.3	352.1	339.6	315.4	324.2	312.4
87.5°	258.8	216.1	86.0	106.6	171.3	230.8	312.4	280.8	266.9	275.7	270.5
90°	243.3	191.1	48.5	75.0	128.7	153.6	197.0	183.1	177.2	187.5	185.3
92.5°	245.5	186.7	47.8	71.3	137.5	165.4	203.6	187.5	169.8	169.8	167.6
95°	234.5	174.2	47.1	56.6	124.2	161.0	191.1	168.4	136.7	130.1	127.9
97.5°	102.2	84.5	44.1	43.4	71.3	111.0	138.9	120.6	90.4	70.6	70.6
100°	16.9	27.2	38.2	41.9	41.9	58.8	78.7	74.3	43.4	22.8	23.5
102.5°	17.6	15.4	26.5	34.6	27.2	24.3	36.0	44.8	28.7	8.8	9.6
105°	18.4	16.2	13.2	24.3	15.4	8.1	11.0	20.6	13.2	8.8	8.8
107.5°	19.8	16.9	8.1	8.8	6.6	6.6	5.9	5.1	6.6	8.8	9.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.4	14.0	7.4	6.6	5.9	6.6	4.4	4.4	5.1	8.8	9.6
112.5°	8.8	8.8	6.6	5.1	5.1	5.9	3.7	3.7	5.1	9.6	9.6
115°	8.8	8.8	5.9	4.4	3.7	4.4	3.7	2.9	5.1	9.6	10.3
117.5°	8.8	8.8	5.9	4.4	3.7	2.9	2.9	2.9	5.1	9.6	10.3
120°	8.8	8.1	5.1	3.7	3.7	2.2	2.2	2.2	4.4	9.6	10.3
122.5°	8.1	8.1	5.1	3.7	2.9	2.2	2.2	2.2	4.4	8.8	9.6
125°	7.4	7.4	5.1	3.7	2.9	2.2	1.5	2.2	4.4	8.1	8.8
127.5°	6.6	6.6	4.4	3.7	2.9	2.2	1.5	2.2	4.4	8.1	8.8
130°	5.9	5.9	4.4	2.9	2.9	1.5	1.5	1.5	4.4	7.4	8.1
132.5°	5.1	5.1	3.7	2.9	2.2	1.5	0.7	1.5	3.7	6.6	6.6
135°	4.4	4.4	3.7	2.9	2.2	1.5	0.7	1.5	2.9	5.1	5.9
137.5°	3.7	3.7	2.9	2.9	2.2	1.5	0.7	1.5	2.2	4.4	4.4
140°	3.7	3.7	2.9	2.9	2.2	1.5	0.7	1.5	2.2	3.7	4.4
142.5°	3.7	3.7	2.9	2.9	2.2	1.5	0.7	1.5	2.2	3.7	4.4
145°	4.4	3.7	3.7	2.9	2.2	1.5	0.7	1.5	2.9	4.4	4.4
147.5°	4.4	4.4	3.7	2.9	2.2	1.5	0.7	1.5	2.9	4.4	4.4
150°	4.4	4.4	3.7	2.9	2.2	0.7	0.0	0.7	2.2	3.7	4.4
152.5°	4.4	3.7	2.9	2.2	1.5	0.7	0.0	0.0	1.5	2.9	2.9
155°	3.7	2.9	2.9	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
157.5°	2.9	2.9	2.2	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.7
160°	2.2	2.2	1.5	1.5	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)