

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: P416932

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6398 lumens
Efficiency: N/A
Efficacy: 77.1 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

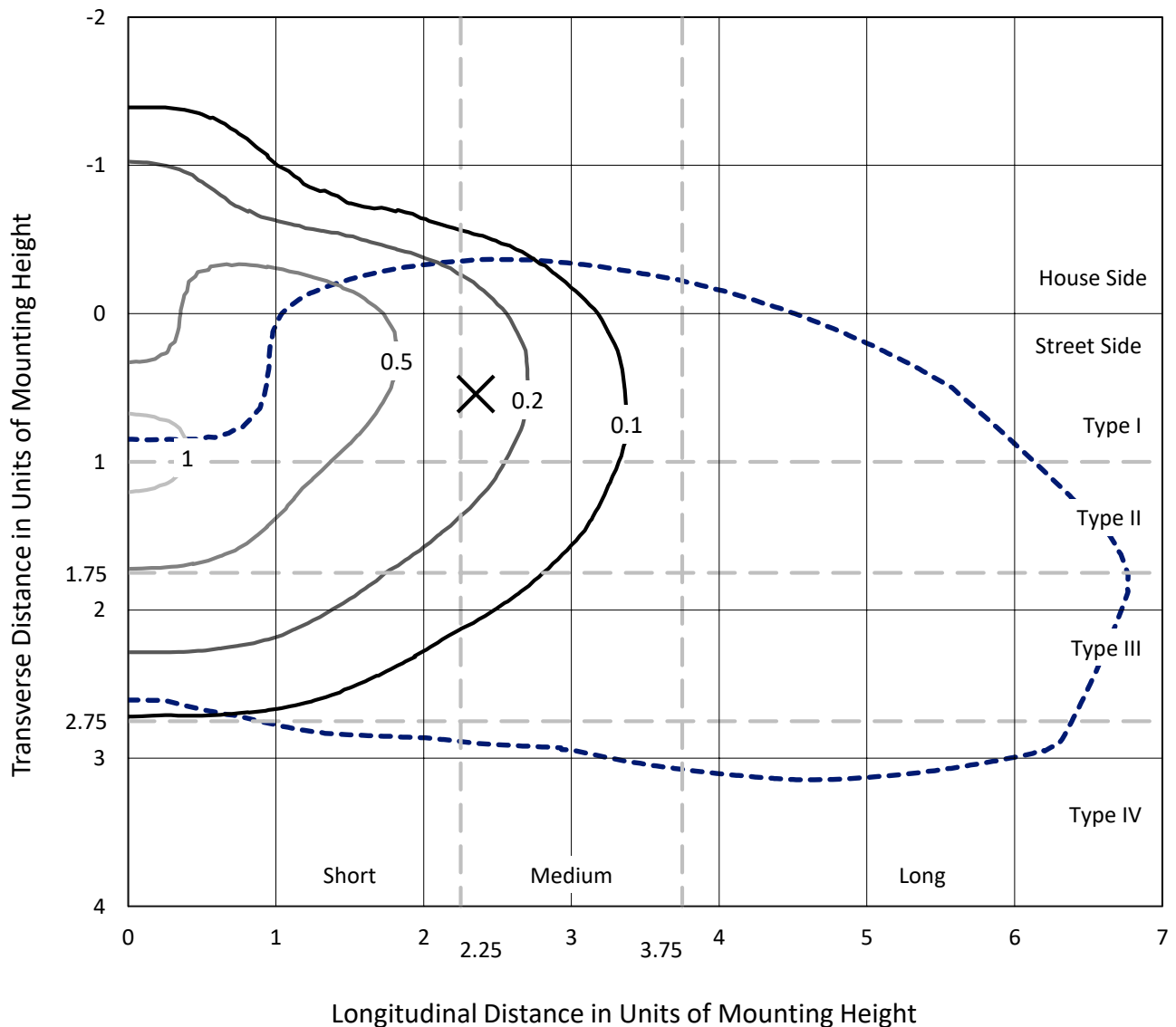
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

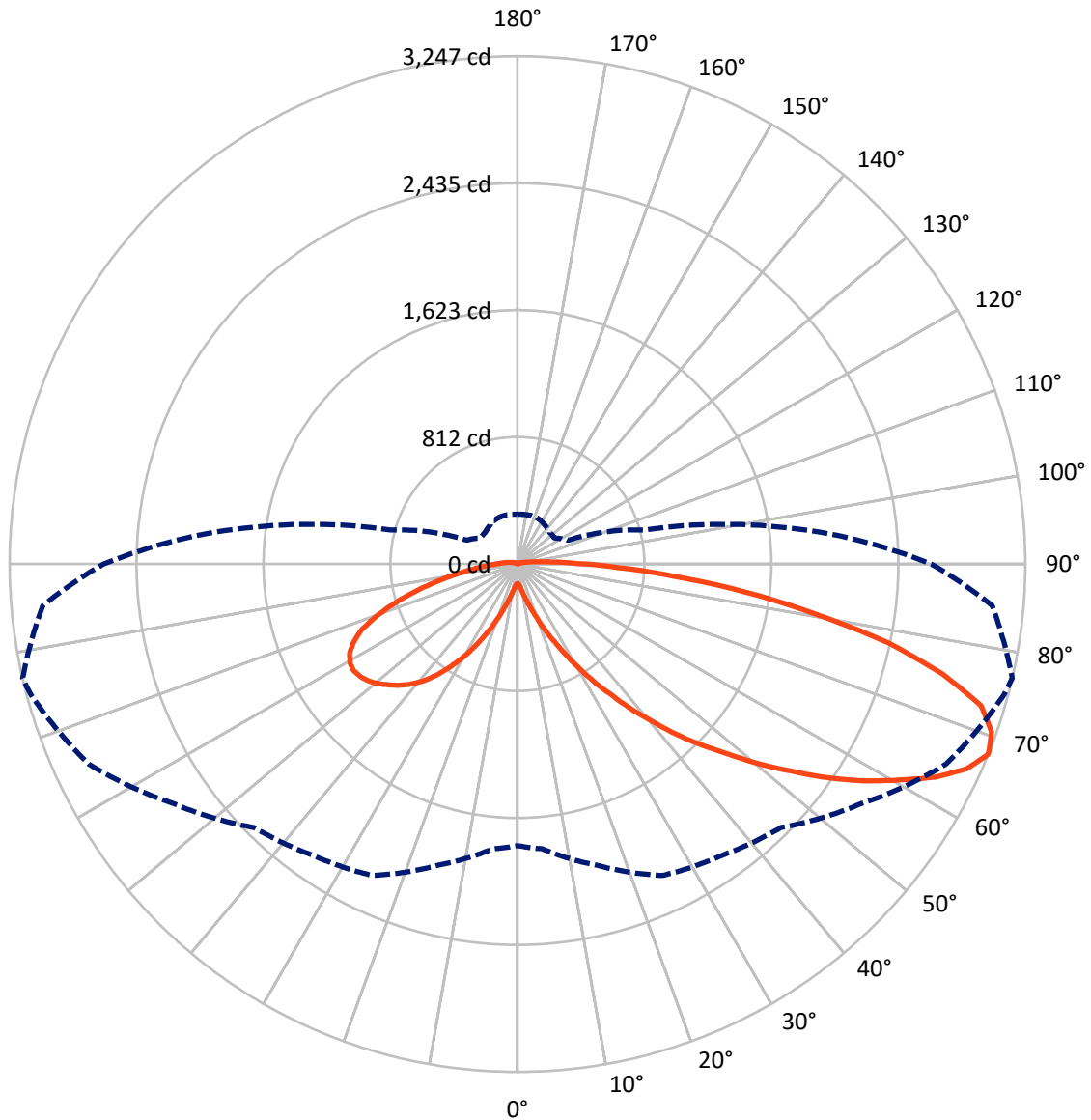
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.6	96.1	1555.8
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	4735.2	107.1	4842.3
	% Fixture	74.0	1.7	75.7
Total	Lumens	6194.8	203.2	6398.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.2
10°-20°	74.2	1.2
20°-30°	221.7	3.5
30°-40°	491.0	7.7
40°-50°	879.3	13.7
50°-60°	1317.0	20.6
60°-70°	1552.4	24.3
70°-80°	1185.2	18.5
80°-90°	459.4	7.2
90°-100°	117.1	1.8
100°-110°	44.3	0.7
110°-120°	20.8	0.3
120°-130°	11.1	0.2
130°-140°	6.2	0.1
140°-150°	2.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6194.8	96.8
0°-180°	6398.0	100.0



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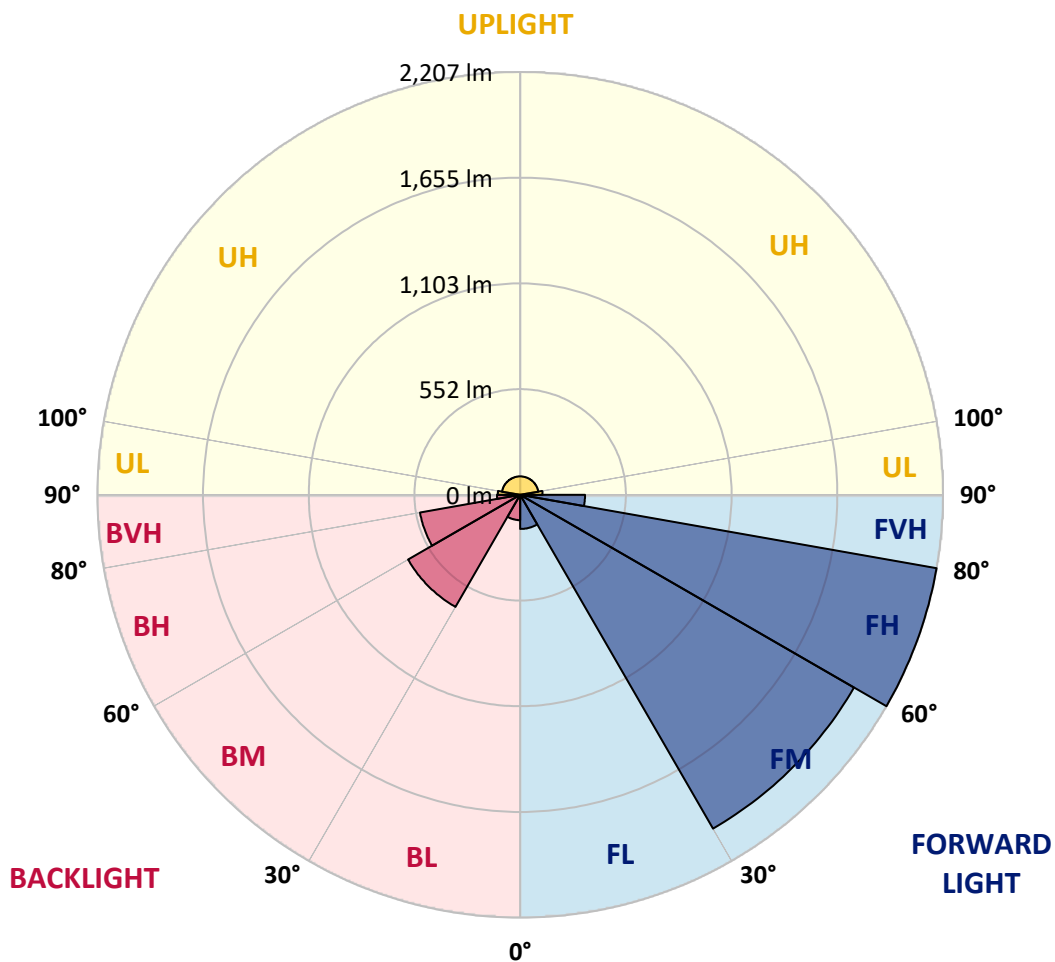
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.3	2.8			
FM	(30°-60°)	2011.7	31.4			
FH	(60°-80°)	2206.8	34.5			G2/5000
FVH	(80°-90°)	338.4	5.3			G3/500
BL	(0°-30°)	132.2	2.1	B1/500		
BM	(30°-60°)	675.7	10.6	B1/1000		
BH	(60°-80°)	530.8	8.3	B2/1000		G2/1000
BVH	(80°-90°)	121.1	1.9			G2/225
UL	(90°-100°)	117.1	1.8		U3/500	
UH	(100°-180°)	96.1	1.5		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°	77°	85°
0°	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7
2.5°	133.0	132.3	133.0	133.0	133.8	132.3	130.8	130.1	129.4	129.4	128.6
5°	147.0	145.5	146.3	147.0	146.3	144.8	142.6	141.9	140.4	140.4	138.9
7.5°	166.9	166.9	166.1	164.6	166.1	163.9	162.4	161.7	159.5	158.8	158.0
10°	197.0	195.5	194.8	193.3	191.8	191.1	188.2	188.2	184.5	186.0	183.8
12.5°	235.9	233.0	233.7	230.8	226.4	223.5	222.0	221.2	221.2	221.2	220.5
15°	283.0	280.8	280.0	273.4	269.0	265.3	262.4	263.1	266.8	267.6	264.6
17.5°	336.6	340.3	333.7	327.8	321.2	313.9	313.9	313.9	316.8	319.0	317.5
20°	411.6	404.3	396.9	387.4	376.3	370.5	367.5	376.3	381.5	385.2	383.7
22.5°	493.9	486.6	478.5	463.1	447.6	436.6	436.6	447.6	459.4	463.8	465.3
25°	587.3	591.7	571.9	548.3	520.4	510.9	512.3	528.5	546.1	549.8	558.6
27.5°	702.7	702.7	685.8	648.3	611.6	592.4	593.9	620.4	646.8	652.0	658.6
30°	843.1	837.9	815.2	765.2	716.7	680.6	687.3	719.6	761.5	765.9	774.0
32.5°	999.7	998.9	954.8	893.1	823.2	780.6	783.6	830.6	882.8	895.3	904.1
35°	1173.1	1177.5	1120.2	1030.5	949.7	892.3	901.9	955.5	1016.6	1019.5	1030.5
37.5°	1371.6	1369.4	1301.0	1203.3	1082.7	1021.7	1014.4	1087.1	1151.1	1170.2	1164.3
40°	1591.4	1567.8	1501.7	1380.4	1231.9	1150.3	1151.8	1226.8	1313.5	1319.4	1317.9
42.5°	1808.2	1797.9	1717.8	1553.9	1395.1	1298.8	1302.5	1374.5	1464.2	1487.0	1470.8
45°	2041.9	2016.2	1929.5	1760.4	1567.1	1462.7	1453.2	1534.0	1632.5	1650.2	1634.7
47.5°	2230.8	2214.7	2138.2	1958.1	1751.6	1617.8	1603.1	1702.3	1814.8	1816.3	1793.5
50°	2387.4	2379.3	2319.0	2159.5	1930.2	1791.3	1775.9	1874.3	1992.0	2011.1	1978.0
52.5°	2522.7	2509.4	2479.3	2322.0	2092.7	1939.8	1937.6	2045.6	2192.6	2201.4	2169.8
55°	2566.0	2574.1	2569.7	2458.7	2252.2	2086.8	2105.2	2250.7	2382.3	2413.1	2353.6
57.5°	2559.4	2559.4	2601.3	2550.6	2358.7	2219.8	2259.5	2435.2	2606.4	2616.0	2544.7
60°	2459.4	2461.6	2562.3	2576.3	2435.2	2333.7	2427.1	2622.6	2798.3	2804.2	2737.3
62.5°	2315.4	2310.2	2458.0	2528.5	2444.7	2401.4	2546.9	2786.5	2979.1	2999.0	2898.3
65°	2090.4	2100.0	2259.5	2399.9	2394.8	2427.1	2640.3	2934.3	3126.1	3154.8	3009.2
67.5°	1800.1	1828.0	1995.6	2197.0	2274.9	2382.3	2674.8	3024.7	3221.7	3246.7	3046.7
70°	1491.4	1484.8	1666.3	1919.2	2071.3	2267.6	2636.6	3028.4	3223.9	3215.8	2966.6
72.5°	1131.2	1159.2	1322.3	1579.6	1805.3	2050.0	2512.4	2934.3	3100.4	3098.9	2754.9
75°	804.1	821.0	965.1	1222.4	1491.4	1795.7	2264.7	2729.2	2851.2	2807.1	2448.4
77.5°	530.7	546.1	670.4	904.8	1154.0	1476.0	1931.7	2371.2	2468.3	2422.7	2057.4
80°	330.0	337.4	431.5	617.4	838.7	1143.7	1564.2	1939.0	1977.3	1930.9	1584.0
82.5°	196.3	202.1	269.8	396.2	597.6	832.8	1179.0	1486.2	1498.7	1467.1	1142.2
85°	120.5	128.6	172.0	264.6	398.4	587.3	821.8	1032.7	1041.5	1004.8	754.9
87.5°	78.6	83.1	116.9	172.0	268.3	393.2	550.5	687.3	667.4	644.6	477.0
90°	53.7	56.6	80.1	118.3	181.6	260.2	348.4	430.0	398.4	380.7	289.6
92.5°	37.5	40.4	58.8	85.3	125.7	174.2	226.4	257.3	244.0	235.9	182.3
95°	29.4	30.9	44.8	66.2	93.3	123.5	149.9	159.5	151.4	145.5	122.8
97.5°	23.5	25.0	37.5	53.7	72.8	91.9	104.4	107.3	99.2	96.3	85.3
100°	19.8	21.3	31.6	44.8	59.5	72.8	77.9	77.2	70.6	69.1	61.7
102.5°	17.6	18.4	27.9	39.0	50.7	58.8	61.7	58.1	51.5	50.7	46.3
105°	15.4	16.9	24.3	33.8	43.4	50.0	50.0	45.6	38.2	37.5	35.3
107.5°	14.7	14.7	21.3	29.4	37.5	41.9	41.9	36.8	30.1	28.7	27.2
110°	13.2	14.0	19.1	25.7	32.3	36.0	35.3	29.4	22.8	22.1	21.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.5	12.5	16.9	22.8	27.9	30.9	29.4	24.3	18.4	17.6	16.9
115°	11.8	11.8	15.4	20.6	25.0	27.2	25.0	19.8	14.7	14.0	14.7
117.5°	11.0	11.8	14.0	18.4	22.1	23.5	21.3	16.9	12.5	11.8	12.5
120°	11.0	11.0	13.2	16.2	19.1	20.6	18.4	14.0	10.3	10.3	11.0
122.5°	11.0	11.0	12.5	14.7	16.9	17.6	15.4	11.8	9.6	9.6	10.3
125°	10.3	10.3	11.8	13.2	15.4	15.4	14.0	10.3	8.1	8.1	9.6
127.5°	10.3	10.3	11.0	12.5	14.0	14.0	11.8	8.8	7.4	8.1	8.8
130°	9.6	9.6	10.3	11.0	12.5	11.8	10.3	8.1	6.6	7.4	8.1
132.5°	9.6	9.6	9.6	10.3	11.0	10.3	8.8	6.6	6.6	6.6	7.4
135°	8.8	8.8	9.6	9.6	9.6	8.8	7.4	5.9	5.9	5.9	6.6
137.5°	8.8	8.8	8.8	8.8	8.8	8.1	6.6	5.1	5.1	5.1	5.9
140°	8.1	8.1	8.1	7.4	7.4	6.6	5.1	4.4	4.4	4.4	5.1
142.5°	7.4	7.4	7.4	6.6	6.6	5.1	4.4	3.7	3.7	4.4	4.4
145°	6.6	6.6	6.6	5.9	5.1	4.4	2.9	2.9	3.7	3.7	4.4
147.5°	5.1	5.1	5.1	5.1	3.7	3.7	2.2	2.9	2.9	3.7	3.7
150°	4.4	4.4	4.4	4.4	2.9	2.2	1.5	2.2	2.9	2.9	2.9
152.5°	3.7	3.7	3.7	3.7	2.2	1.5	1.5	2.2	2.2	2.2	2.9
155°	2.2	2.2	2.9	2.2	1.5	0.7	1.5	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5	2.2
160°	0.7	0.7	1.5	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5
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°	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7
2.5°	127.9	128.6	127.9	127.2	127.2	126.4	126.4	126.4	126.4	125.7	125.7
5°	139.7	138.9	138.2	136.7	135.2	133.8	133.8	133.0	132.3	131.6	131.6
7.5°	155.8	155.8	154.4	152.2	149.9	148.5	147.0	146.3	144.1	144.1	143.3
10°	180.8	180.8	176.4	174.2	170.5	166.9	165.4	163.2	161.7	161.0	160.2
12.5°	216.8	214.6	210.2	202.9	195.5	189.6	186.0	184.5	185.2	185.2	186.0
15°	263.1	258.7	252.1	238.2	224.9	216.1	213.9	213.9	214.6	214.6	215.4
17.5°	318.3	311.7	297.0	279.3	260.2	248.4	243.3	243.3	244.8	247.0	249.2
20°	385.2	379.3	356.5	325.6	297.0	281.5	272.7	272.0	274.9	281.5	280.0
22.5°	460.9	454.3	420.4	375.6	335.9	310.9	301.4	304.3	311.7	316.1	316.1
25°	552.0	541.0	490.3	424.9	374.1	338.9	326.4	330.8	341.8	346.9	349.1
27.5°	649.8	635.1	567.4	478.5	404.3	361.6	348.4	354.3	367.5	375.6	377.8
30°	765.9	740.2	648.3	528.5	431.5	377.8	363.8	374.9	389.6	399.1	401.3
32.5°	887.9	848.2	718.1	571.1	451.3	388.8	374.9	388.1	404.3	415.3	416.0
35°	1009.9	964.4	795.3	605.7	461.6	394.0	379.3	394.7	412.4	421.2	423.4
37.5°	1142.2	1079.0	862.2	627.7	466.0	393.2	379.3	394.7	411.6	419.0	420.4
40°	1269.4	1191.5	921.7	641.0	464.5	387.4	374.1	390.3	405.0	410.2	409.4
42.5°	1412.0	1300.3	969.5	641.7	454.3	378.5	367.5	381.5	391.8	391.0	391.8
45°	1548.0	1415.7	1004.8	636.5	440.3	367.5	358.7	371.2	374.9	371.2	370.5
47.5°	1697.2	1530.4	1032.7	623.3	423.4	357.2	349.1	358.7	359.4	351.3	349.9
50°	1855.2	1645.0	1058.5	599.1	403.5	345.5	340.3	348.4	346.9	333.7	331.5
52.5°	2009.6	1761.2	1074.6	569.7	383.7	335.2	333.0	341.1	336.6	321.2	318.3
55°	2174.2	1868.5	1077.6	540.3	364.6	326.4	326.4	335.2	330.0	313.9	311.7
57.5°	2335.2	1980.9	1066.5	502.0	346.2	316.8	321.2	331.5	327.8	311.7	310.2
60°	2485.9	2065.5	1036.4	466.0	329.3	310.2	317.5	329.3	326.4	313.1	311.7
62.5°	2602.8	2121.3	988.6	430.7	314.6	303.6	313.9	325.6	326.4	315.3	316.1
65°	2657.2	2121.3	919.5	395.5	301.4	297.0	310.2	323.4	324.9	318.3	318.3
67.5°	2645.4	2066.9	841.6	358.7	288.9	288.9	305.0	319.0	321.9	319.0	319.0
70°	2521.2	1919.9	735.0	329.3	276.4	279.3	297.0	311.7	316.1	316.8	316.1
72.5°	2319.0	1698.7	624.8	298.4	263.1	269.8	286.7	301.4	307.2	308.7	308.0
75°	2006.7	1442.1	516.7	272.7	249.2	257.3	274.9	287.4	294.0	297.0	295.5
77.5°	1612.7	1144.5	423.4	247.0	233.0	241.8	258.7	269.0	277.1	280.8	277.8
80°	1229.0	851.9	336.6	221.2	213.2	222.7	237.4	248.4	255.8	257.3	255.1
82.5°	872.5	604.2	269.8	197.0	191.8	199.9	213.2	220.5	229.3	228.6	224.2
85°	571.9	410.2	211.7	171.3	169.1	174.2	184.5	188.9	197.7	197.7	192.6
87.5°	371.9	272.0	166.9	144.1	146.3	150.7	155.8	159.5	163.2	163.9	159.5
90°	237.4	186.0	133.0	122.8	125.0	128.6	128.6	127.9	133.8	135.2	131.6
92.5°	155.8	132.3	110.3	104.4	105.8	106.6	106.6	103.6	108.8	109.5	106.6
95°	109.5	99.2	91.1	89.7	89.7	89.7	88.2	84.5	88.9	88.9	87.5
97.5°	82.3	77.2	76.4	76.4	76.4	75.7	73.5	72.0	73.5	73.5	72.8
100°	61.7	61.0	63.2	64.7	65.4	64.7	63.2	61.0	61.0	58.1	58.8
102.5°	47.0	48.5	52.9	55.1	55.1	55.1	54.4	51.5	50.0	47.0	46.3
105°	36.8	38.2	43.4	46.3	47.0	47.8	46.3	43.4	40.4	37.5	36.8
107.5°	28.7	30.9	35.3	39.0	40.4	40.4	39.7	36.8	33.1	29.4	29.4
110°	23.5	25.0	29.4	33.1	34.5	34.5	33.8	30.1	26.5	23.5	23.5



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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.1	20.6	25.0	27.9	29.4	30.1	28.7	25.7	22.1	19.1	19.1
115°	16.2	17.6	21.3	23.5	25.0	25.0	24.3	21.3	18.4	16.2	16.2
117.5°	14.0	15.4	18.4	20.6	21.3	22.1	20.6	18.4	15.4	14.0	14.0
120°	12.5	13.2	16.2	17.6	18.4	18.4	17.6	15.4	13.2	12.5	12.5
122.5°	11.0	12.5	14.0	15.4	16.2	16.2	15.4	13.2	11.8	11.0	11.8
125°	10.3	11.0	12.5	14.0	14.0	14.0	13.2	11.8	10.3	10.3	10.3
127.5°	9.6	10.3	11.0	11.8	12.5	12.5	11.8	10.3	9.6	9.6	9.6
130°	8.8	9.6	10.3	10.3	11.0	11.0	10.3	8.8	8.8	8.8	8.8
132.5°	8.1	8.8	8.8	9.6	9.6	9.6	8.8	8.1	8.1	8.1	8.1
135°	7.4	7.4	8.1	8.1	8.1	8.1	7.4	7.4	7.4	7.4	7.4
137.5°	6.6	6.6	7.4	6.6	7.4	6.6	6.6	5.9	6.6	6.6	6.6
140°	5.9	5.9	5.9	5.9	5.9	5.9	5.1	5.1	5.9	5.9	5.9
142.5°	5.1	5.1	5.1	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1
145°	4.4	4.4	4.4	3.7	3.7	2.9	3.7	3.7	4.4	4.4	4.4
147.5°	3.7	3.7	3.7	3.7	2.9	2.2	2.2	2.9	3.7	3.7	3.7
150°	2.9	3.7	3.7	2.9	2.2	1.5	1.5	2.2	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.2	1.5	0.7	0.7	1.5	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	1.5	1.5	1.5	1.5
157.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.7	1.5	0.7	0.7
160°	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.7	0.7	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)