

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: P416711

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7719 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - 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

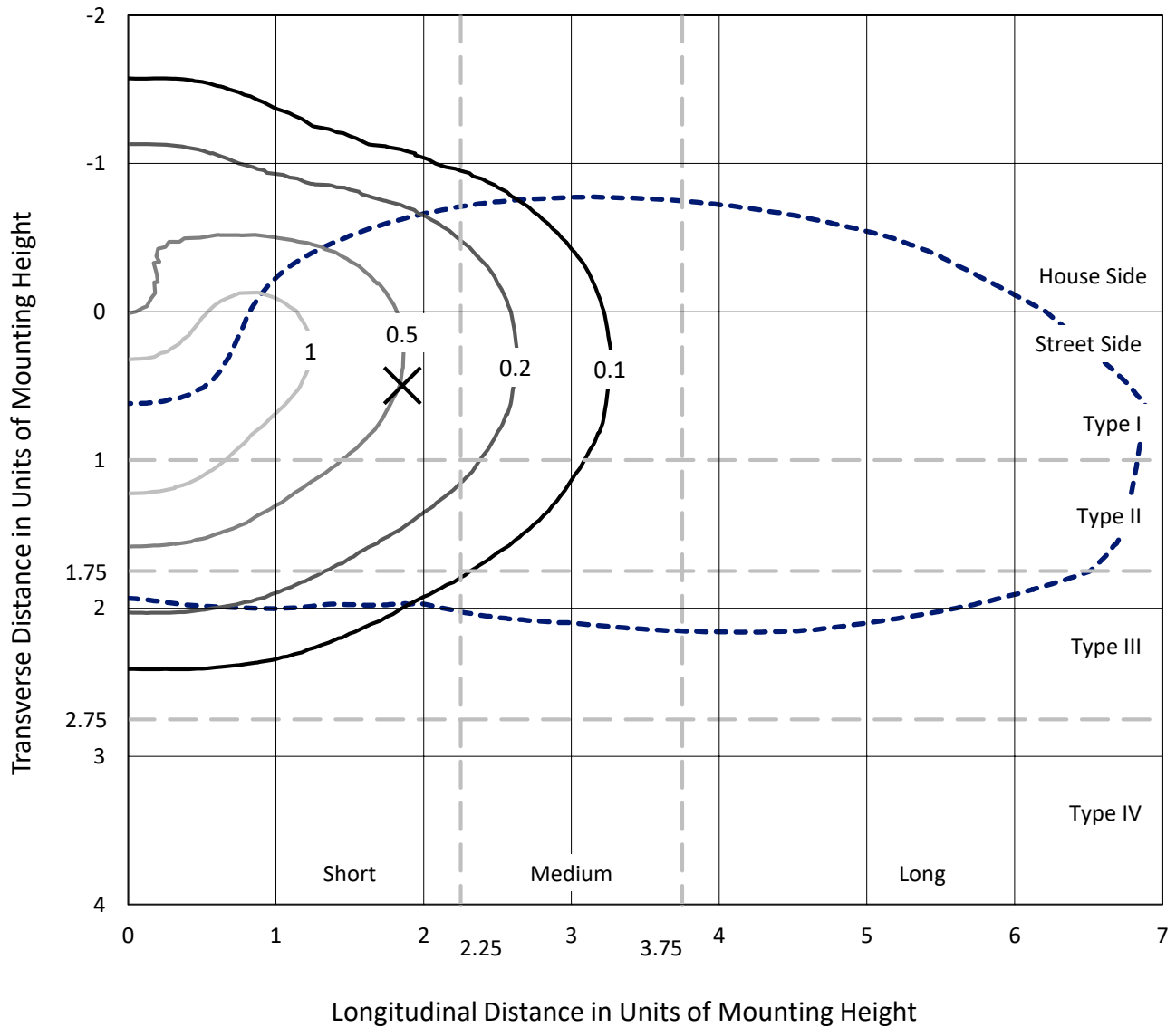


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

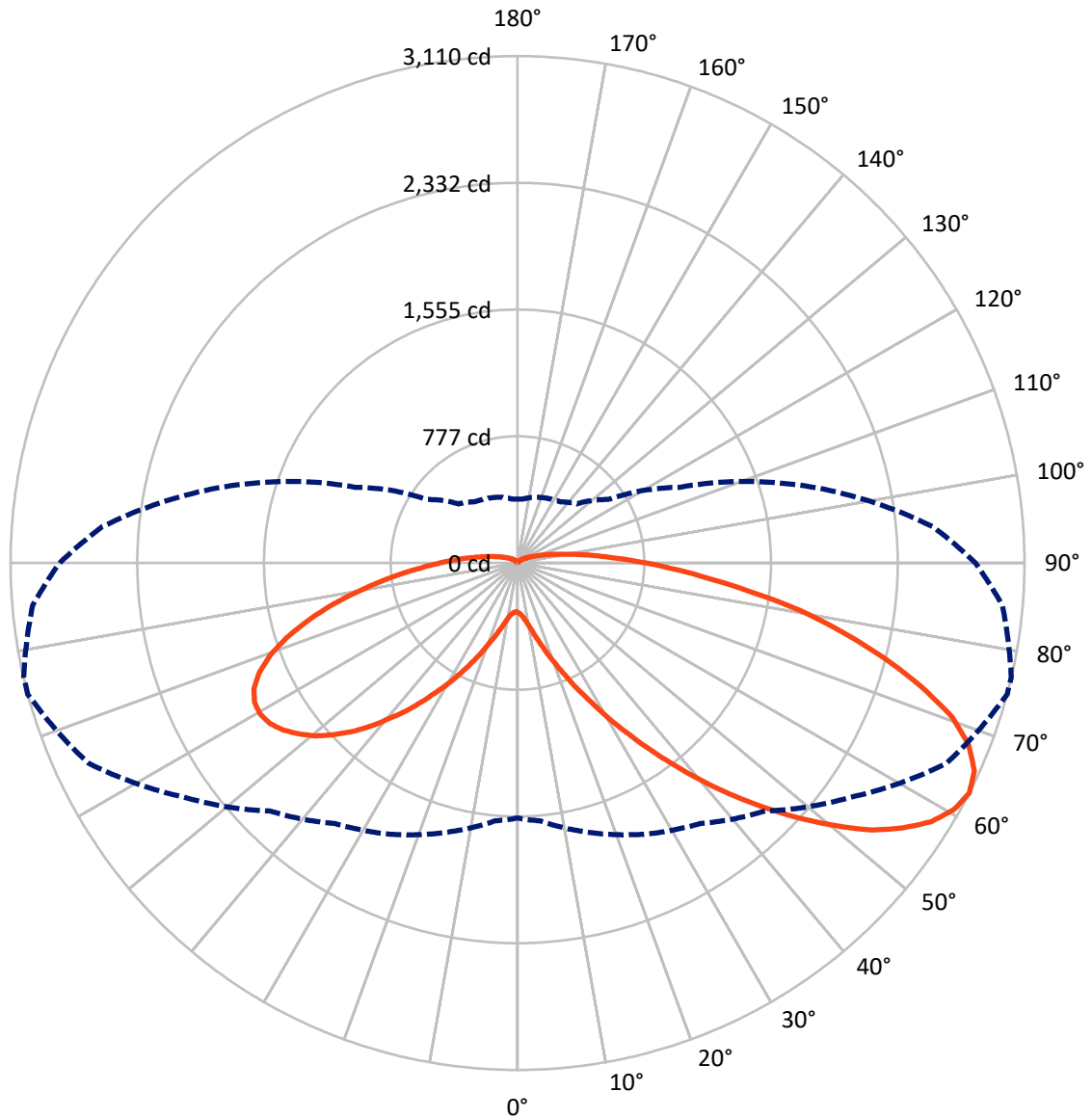


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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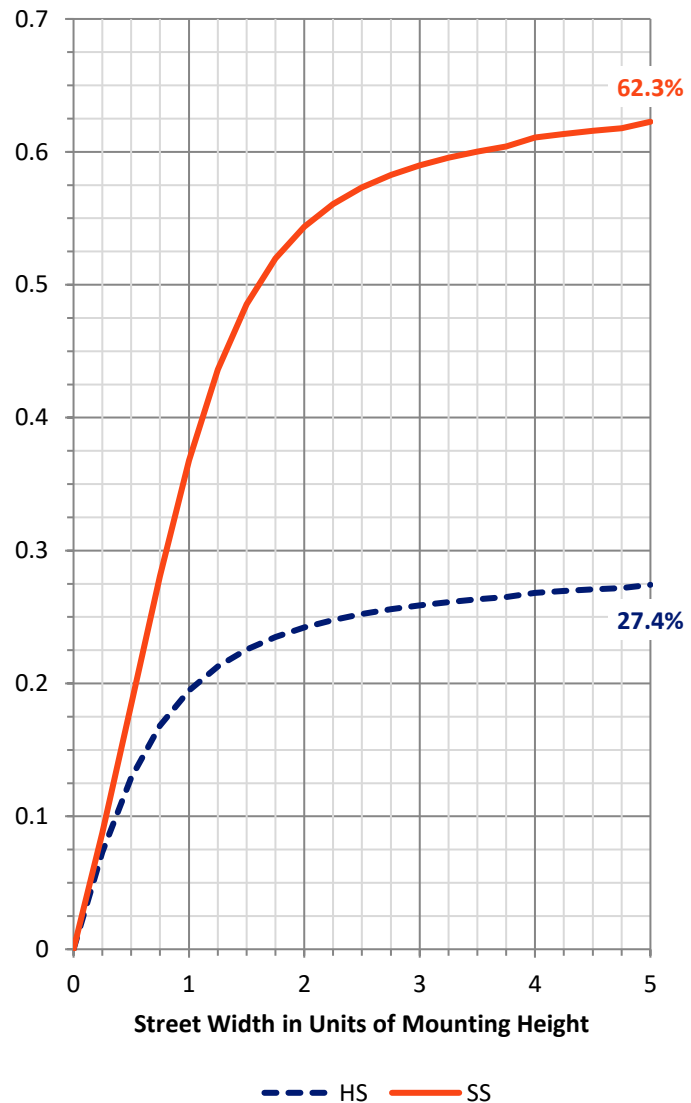
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2207.5	234.7	2442.2
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4954.5	322.2	5276.8
	% Fixture	64.2	4.2	68.4
Total	Lumens	7162.0	557.0	7719.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	0.4
10°-20°	134.3	1.7
20°-30°	347.6	4.5
30°-40°	711.2	9.2
40°-50°	1179.5	15.3
50°-60°	1530.2	19.8
60°-70°	1507.0	19.5
70°-80°	1107.4	14.3
80°-90°	612.9	7.9
90°-100°	289.4	3.7
100°-110°	138.3	1.8
110°-120°	70.6	0.9
120°-130°	36.6	0.5
130°-140°	16.7	0.2
140°-150°	4.9	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7162.0	92.8
0°-180°	7719.0	100.0



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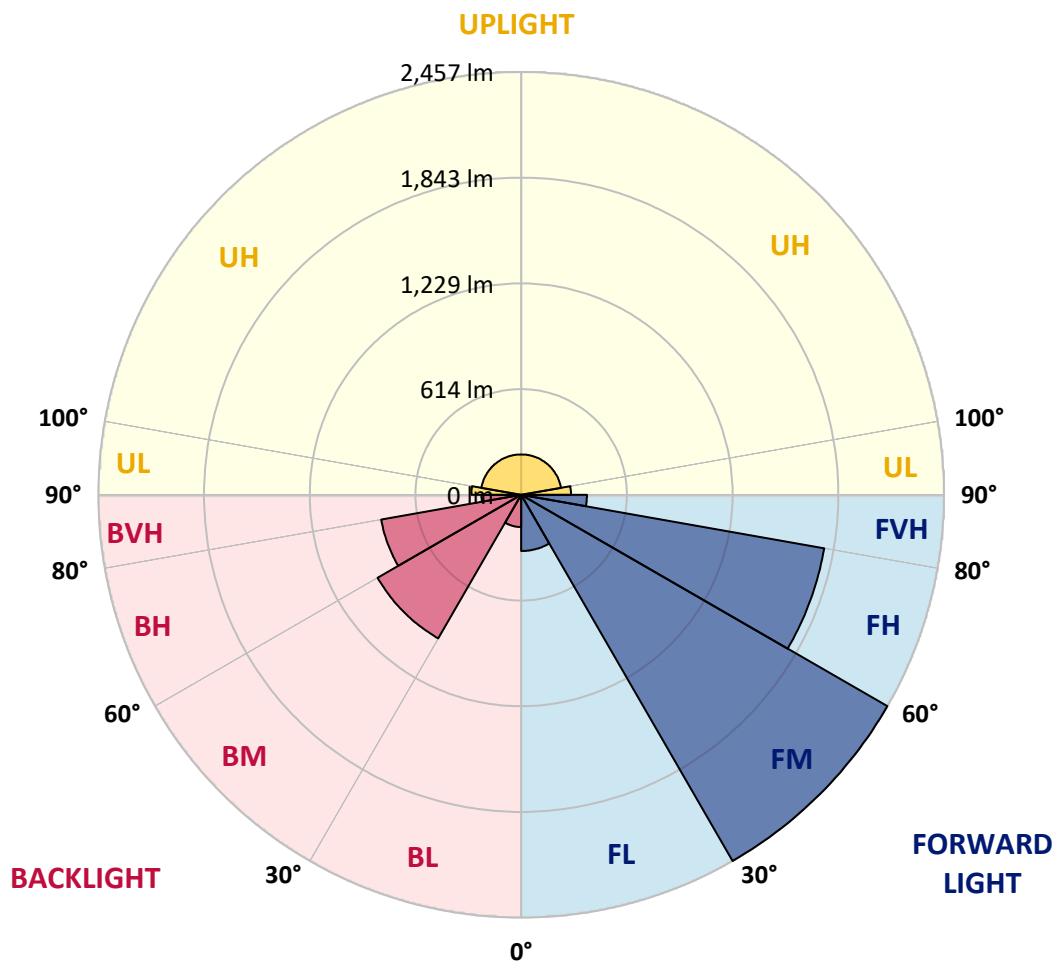
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.6	4.2			
FM	(30°-60°)	2457.3	31.8			
FH	(60°-80°)	1788.7	23.2			G1/1800
FVH	(80°-90°)	382.0	4.9			G3/500
BL	(0°-30°)	187.3	2.4	B1/500		
BM	(30°-60°)	963.6	12.5	B1/1000		
BH	(60°-80°)	825.7	10.7	B2/1000		G2/1000
BVH	(80°-90°)	230.9	3.0			G3/500
UL	(90°-100°)	289.4	3.7		U3/500	
UH	(100°-180°)	234.7	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2
2.5°	337.9	335.1	333.3	330.6	328.7	325.1	321.5	316.0	311.4	310.5	306.9
5°	373.4	368.8	368.8	364.3	357.9	353.3	346.0	336.9	329.7	325.1	321.5
7.5°	418.9	415.3	410.7	407.1	400.7	392.5	382.5	370.6	356.1	353.3	344.2
10°	469.9	468.1	464.4	457.1	449.0	438.0	424.4	409.8	393.4	390.7	375.2
12.5°	537.3	537.3	531.8	521.8	510.0	489.9	478.1	462.6	443.5	440.8	418.9
15°	620.2	616.5	609.2	591.9	578.3	561.9	547.3	527.3	501.8	497.2	477.2
17.5°	711.2	703.9	700.3	683.9	665.7	645.7	625.6	603.8	575.5	568.2	544.6
20°	813.2	817.8	804.1	785.9	758.6	738.5	715.8	687.5	656.6	651.1	622.9
22.5°	941.6	938.0	918.9	893.4	866.9	845.1	815.9	787.7	745.8	740.4	707.6
25°	1083.7	1080.0	1055.4	1023.6	993.5	954.4	920.7	890.6	856.0	847.8	808.7
27.5°	1223.0	1241.2	1203.9	1164.7	1129.2	1085.5	1045.4	1007.2	968.0	961.7	920.7
30°	1413.3	1417.9	1374.2	1320.4	1272.2	1217.5	1175.7	1141.0	1107.4	1086.4	1049.1
32.5°	1611.9	1597.3	1562.7	1497.1	1420.6	1359.6	1313.2	1281.3	1249.4	1238.5	1183.9
35°	1808.6	1808.6	1754.8	1666.5	1566.3	1504.4	1458.9	1439.7	1410.6	1393.3	1332.3
37.5°	2001.6	1998.9	1944.2	1840.4	1737.5	1652.8	1623.7	1601.8	1581.8	1564.5	1489.8
40°	2191.9	2187.4	2121.8	2020.7	1900.5	1813.1	1789.4	1793.1	1769.4	1745.7	1671.1
42.5°	2344.9	2343.1	2291.2	2190.1	2046.2	1968.8	1945.2	1967.0	1956.1	1933.3	1845.9
45°	2467.0	2458.8	2417.8	2314.9	2184.7	2102.7	2109.1	2161.9	2149.1	2138.2	2029.8
47.5°	2518.0	2517.0	2494.3	2405.0	2284.8	2227.5	2263.9	2337.6	2342.2	2333.1	2212.0
50°	2504.3	2507.9	2506.1	2451.5	2353.1	2324.0	2394.1	2519.8	2534.4	2525.2	2400.5
52.5°	2424.2	2426.0	2456.0	2432.4	2376.8	2385.0	2509.8	2670.9	2721.9	2697.4	2567.1
55°	2254.8	2277.5	2336.7	2350.4	2343.1	2398.7	2579.0	2791.2	2868.6	2860.4	2711.9
57.5°	2079.9	2069.0	2153.7	2219.3	2257.5	2362.2	2601.7	2876.8	2993.3	2982.4	2841.2
60°	1825.0	1841.3	1945.2	2039.0	2120.0	2274.8	2580.8	2922.3	3074.4	3068.0	2935.9
62.5°	1564.5	1588.2	1711.1	1835.9	1951.5	2151.0	2502.5	2905.0	3109.9	3109.0	2986.0
65°	1319.5	1345.0	1458.0	1609.1	1756.7	1983.4	2365.9	2831.2	3079.8	3081.7	2976.9
67.5°	1101.9	1115.6	1233.9	1400.6	1544.5	1786.7	2190.1	2685.5	2985.1	2995.1	2904.1
70°	907.9	917.9	1032.7	1181.1	1347.8	1567.2	1977.0	2498.8	2826.7	2830.3	2772.9
72.5°	744.9	754.0	864.2	996.3	1150.2	1375.1	1757.6	2243.9	2588.1	2624.5	2570.8
75°	595.6	613.8	708.5	836.9	974.4	1174.7	1525.3	1969.7	2320.3	2351.3	2343.1
77.5°	485.4	510.0	585.6	695.7	822.3	996.3	1293.1	1699.3	2037.1	2062.6	2069.0
80°	391.6	409.8	485.4	582.8	690.3	841.4	1080.9	1435.2	1752.1	1754.8	1752.1
82.5°	317.8	331.5	398.9	487.2	581.9	707.6	906.1	1197.5	1437.0	1466.2	1471.6
85°	258.6	268.6	326.9	406.2	486.3	592.8	747.6	978.0	1167.5	1197.5	1187.5
87.5°	207.6	221.3	267.7	335.1	409.8	494.5	622.0	791.4	942.5	955.3	953.5
90°	170.3	174.8	221.3	278.7	346.0	410.7	508.1	637.5	750.4	773.1	757.7
92.5°	137.5	144.8	184.0	235.9	288.7	345.1	421.6	523.6	593.7	607.4	600.1
95°	115.7	119.3	154.8	197.6	243.1	294.1	347.9	418.0	469.9	474.5	476.3
97.5°	96.5	100.2	129.3	168.5	207.6	248.6	289.6	341.5	376.1	375.2	372.5
100°	82.9	84.7	111.1	146.6	181.2	211.3	243.1	275.0	296.0	302.3	292.3
102.5°	71.9	72.9	95.6	126.6	155.7	182.1	205.8	228.6	236.8	237.7	233.1
105°	63.7	64.7	83.8	109.3	135.7	155.7	173.9	187.6	191.2	191.2	185.8
107.5°	56.5	57.4	71.9	96.5	120.2	136.6	149.3	156.6	154.8	153.9	150.3
110°	51.9	51.9	63.7	85.6	104.7	119.3	129.3	130.2	125.7	125.7	122.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	47.4	47.4	56.5	75.6	92.9	105.6	112.0	110.2	103.8	102.0	102.0
115°	43.7	43.7	50.1	66.5	82.9	92.9	97.4	92.9	85.6	84.7	83.8
117.5°	41.0	41.0	45.5	59.2	72.9	82.0	84.7	80.1	71.9	71.0	71.0
120°	38.2	38.2	41.9	51.9	64.7	71.9	73.8	68.3	60.1	60.1	61.0
122.5°	36.4	36.4	38.2	46.4	57.4	63.7	63.7	58.3	51.0	51.0	51.9
125°	34.6	34.6	35.5	41.0	50.1	55.5	54.6	48.3	43.7	43.7	44.6
127.5°	32.8	32.8	32.8	36.4	43.7	48.3	47.4	41.0	37.3	37.3	39.2
130°	31.0	31.0	30.1	31.9	37.3	41.0	39.2	34.6	31.9	31.9	33.7
132.5°	29.1	29.1	27.3	28.2	31.9	33.7	31.9	28.2	27.3	27.3	28.2
135°	27.3	26.4	25.5	24.6	26.4	27.3	25.5	22.8	22.8	22.8	24.6
137.5°	24.6	24.6	22.8	20.9	20.9	20.9	20.0	17.3	18.2	19.1	20.0
140°	22.8	22.8	20.9	18.2	16.4	16.4	14.6	13.7	14.6	15.5	16.4
142.5°	20.0	20.0	18.2	15.5	12.7	10.9	10.0	9.1	10.9	11.8	11.8
145°	17.3	17.3	15.5	11.8	9.1	6.4	5.5	6.4	7.3	8.2	9.1
147.5°	14.6	13.7	11.8	9.1	4.6	2.7	1.8	3.6	4.6	4.6	5.5
150°	10.9	10.9	9.1	6.4	2.7	0.0	0.9	1.8	2.7	2.7	3.6
152.5°	8.2	7.3	6.4	3.6	0.0	0.0	0.0	0.0	0.9	1.8	1.8
155°	4.6	4.6	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2
2.5°	305.1	302.3	298.7	296.0	293.2	289.6	287.8	285.0	285.0	285.0	286.9
5°	316.0	312.4	304.2	296.9	289.6	284.1	278.7	275.0	273.2	271.4	272.3
7.5°	336.0	331.5	318.7	306.0	296.0	285.9	278.7	272.3	269.6	268.6	268.6
10°	367.0	358.8	339.7	322.4	307.8	294.1	284.1	275.9	272.3	269.6	269.6
12.5°	408.9	397.0	374.3	350.6	328.7	310.5	296.0	289.6	286.9	285.0	285.9
15°	464.4	451.7	417.1	386.1	357.9	333.3	319.6	313.3	309.6	307.8	306.9
17.5°	529.1	510.9	469.0	428.9	393.4	366.1	348.8	338.8	332.4	328.7	329.7
20°	600.1	576.4	522.7	479.0	433.5	406.2	379.7	363.4	355.2	353.3	354.2
22.5°	680.3	655.7	593.7	530.0	482.6	441.7	409.8	388.8	378.8	377.9	377.9
25°	775.0	742.2	669.3	589.2	528.2	476.3	438.9	413.4	402.5	398.9	398.9
27.5°	882.4	838.7	748.6	656.6	572.8	507.2	463.5	434.4	422.5	419.8	419.8
30°	1000.8	955.3	840.5	720.3	615.6	534.6	485.4	454.4	438.9	435.3	436.2
32.5°	1131.0	1071.8	927.0	788.6	652.9	556.4	499.9	469.0	451.7	447.1	447.1
35°	1272.2	1203.0	1030.0	855.1	688.5	573.7	510.9	479.0	459.9	455.3	454.4
37.5°	1430.6	1344.1	1136.5	916.1	716.7	584.6	518.2	485.4	464.4	458.1	457.1
40°	1596.4	1497.1	1234.8	971.7	740.4	591.0	520.0	488.1	466.3	456.2	455.3
42.5°	1751.2	1641.9	1346.9	1022.7	754.9	593.7	519.1	487.2	464.4	450.8	449.9
45°	1922.4	1788.5	1449.8	1069.1	764.0	591.9	515.4	482.6	460.8	443.5	441.7
47.5°	2101.8	1947.9	1544.5	1102.8	767.7	586.5	510.9	479.0	454.4	435.3	433.5
50°	2263.9	2084.5	1632.8	1129.2	765.9	578.3	503.6	473.5	449.0	427.1	425.3
52.5°	2422.3	2227.5	1702.0	1143.8	756.8	569.2	497.2	467.2	442.6	419.8	417.1
55°	2566.2	2340.4	1763.9	1150.2	744.9	557.3	488.1	461.7	437.1	412.5	409.8
57.5°	2677.3	2446.9	1809.5	1142.0	726.7	543.7	479.0	453.5	430.7	406.2	403.4
60°	2759.3	2517.0	1830.4	1126.5	705.8	528.2	468.1	445.3	424.4	400.7	398.0
62.5°	2808.5	2556.2	1825.9	1099.2	679.3	512.7	458.1	437.1	418.0	394.3	392.5
65°	2800.3	2540.7	1791.3	1055.4	651.1	492.7	442.6	426.2	408.9	387.0	384.3
67.5°	2733.8	2477.9	1721.1	1000.8	619.2	472.6	428.0	411.6	397.0	377.9	372.5
70°	2615.4	2362.2	1620.1	932.5	582.8	449.9	410.7	395.2	382.5	364.3	358.8
72.5°	2416.0	2193.8	1491.7	861.5	543.7	423.5	387.9	375.2	361.5	347.0	340.6
75°	2188.3	1982.5	1340.5	777.7	501.8	397.0	364.3	351.5	338.8	323.3	317.8
77.5°	1940.6	1743.0	1183.9	703.9	459.0	367.0	337.9	326.9	314.2	297.8	291.4
80°	1644.6	1487.1	1017.2	619.2	416.2	337.9	310.5	298.7	285.0	269.6	263.2
82.5°	1377.8	1238.5	863.3	542.7	373.4	307.8	284.1	266.8	254.1	238.6	227.7
85°	1126.5	1029.0	724.0	466.3	333.3	276.8	253.2	238.6	224.0	205.8	198.5
87.5°	906.1	823.2	594.7	402.5	294.1	246.8	224.9	210.4	194.0	174.8	168.5
90°	716.7	665.7	494.5	346.0	260.4	221.3	199.4	184.0	165.7	148.4	144.8
92.5°	568.2	532.7	408.9	294.1	229.5	195.8	175.8	160.3	142.1	124.8	119.3
95°	457.1	422.5	335.1	256.8	201.3	172.1	154.8	140.2	122.0	104.7	101.1
97.5°	365.2	337.9	275.0	215.8	176.7	153.0	137.5	122.0	103.8	88.3	86.5
100°	285.9	269.6	227.7	185.8	155.7	135.7	121.1	107.5	89.2	73.8	72.9
102.5°	228.6	219.5	189.4	160.3	136.6	120.2	108.4	93.8	77.4	62.8	61.9
105°	184.0	178.5	157.5	137.5	121.1	107.5	96.5	82.0	65.6	53.7	53.7
107.5°	149.3	144.8	132.0	117.5	106.5	96.5	84.7	71.9	56.5	46.4	46.4
110°	122.0	120.2	112.0	102.0	93.8	85.6	74.7	61.9	48.3	41.0	41.0



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CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	102.0	101.1	94.7	89.2	82.9	75.6	66.5	54.6	41.9	35.5	36.4
115°	84.7	84.7	81.0	77.4	72.9	67.4	58.3	46.4	35.5	31.9	31.9
117.5°	71.9	71.0	70.1	67.4	64.7	59.2	50.1	40.1	30.1	28.2	29.1
120°	61.9	61.9	60.1	59.2	56.5	51.0	43.7	33.7	25.5	25.5	25.5
122.5°	52.8	53.7	51.9	51.0	49.2	45.5	37.3	28.2	22.8	21.9	22.8
125°	46.4	46.4	45.5	44.6	42.8	38.2	31.9	23.7	19.1	20.0	20.0
127.5°	39.2	40.1	39.2	38.2	37.3	32.8	26.4	19.1	16.4	17.3	17.3
130°	34.6	34.6	33.7	32.8	31.0	27.3	21.9	15.5	14.6	15.5	15.5
132.5°	29.1	29.1	29.1	27.3	25.5	22.8	17.3	12.7	11.8	13.7	13.7
135°	24.6	24.6	24.6	22.8	20.9	17.3	12.7	10.0	10.0	11.8	11.8
137.5°	20.0	20.9	20.0	18.2	16.4	13.7	10.0	7.3	8.2	10.0	10.0
140°	16.4	16.4	15.5	14.6	11.8	9.1	6.4	5.5	7.3	8.2	8.2
142.5°	12.7	12.7	11.8	10.0	8.2	6.4	3.6	3.6	5.5	6.4	6.4
145°	9.1	9.1	8.2	6.4	4.6	2.7	0.9	1.8	3.6	4.6	4.6
147.5°	5.5	5.5	5.5	4.6	2.7	0.9	0.0	0.9	1.8	2.7	2.7
150°	3.6	3.6	3.6	2.7	1.8	0.0	0.0	0.0	0.9	1.8	1.8
152.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)