

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: P415901

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415901
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-PA1-60-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6397 lumens
Efficiency: N/A
Efficacy: 100.0 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): 64
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

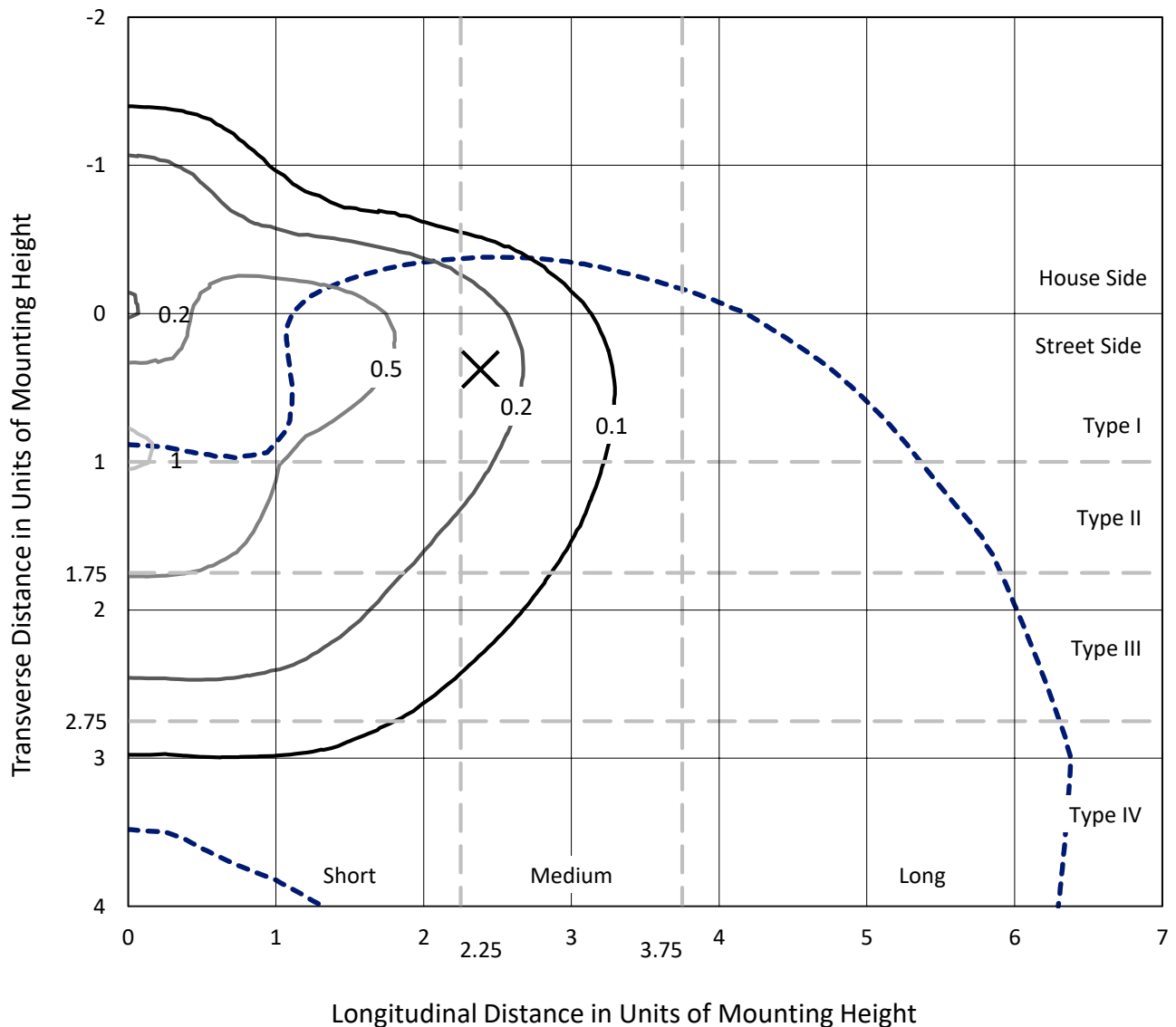


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

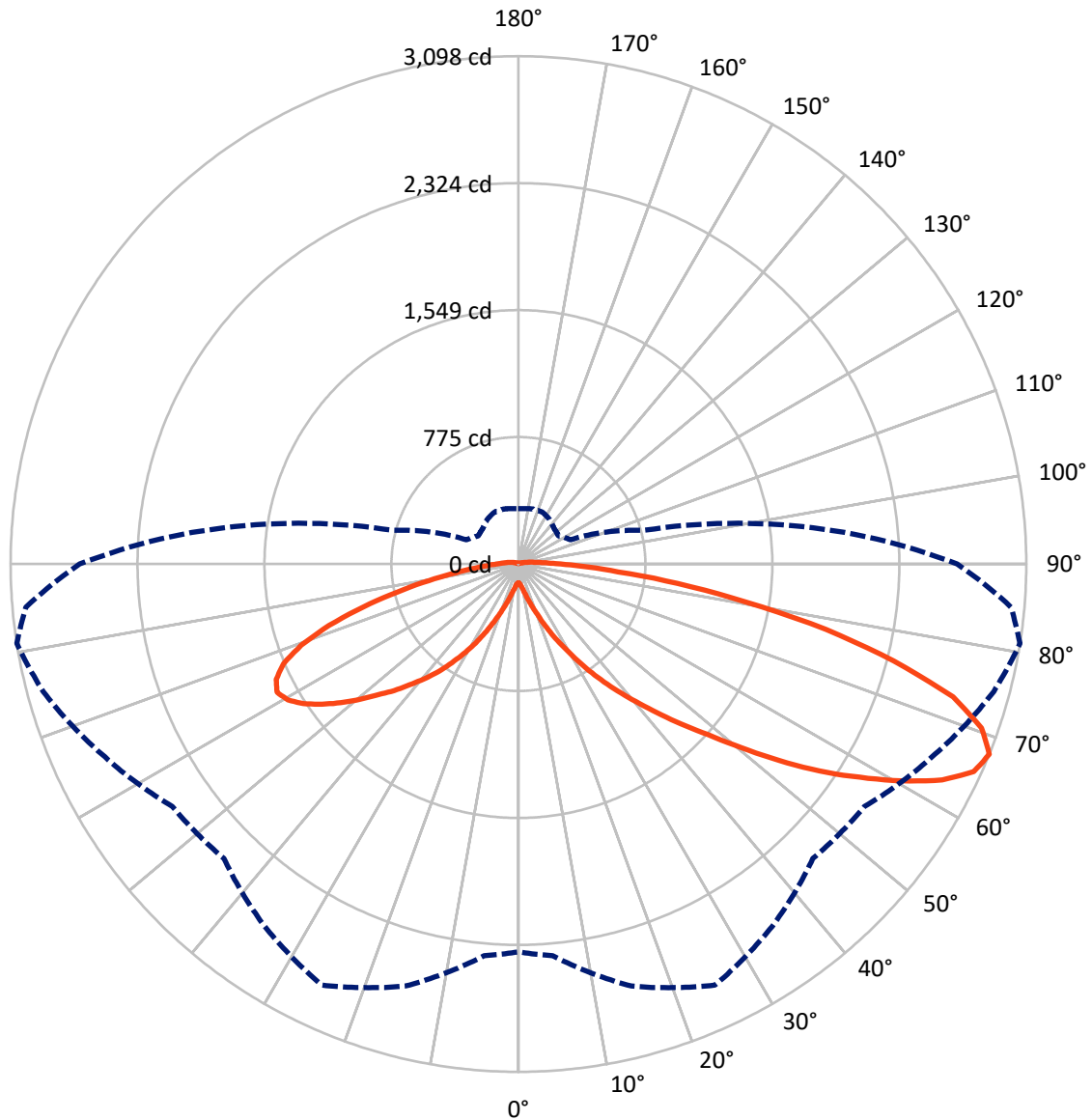


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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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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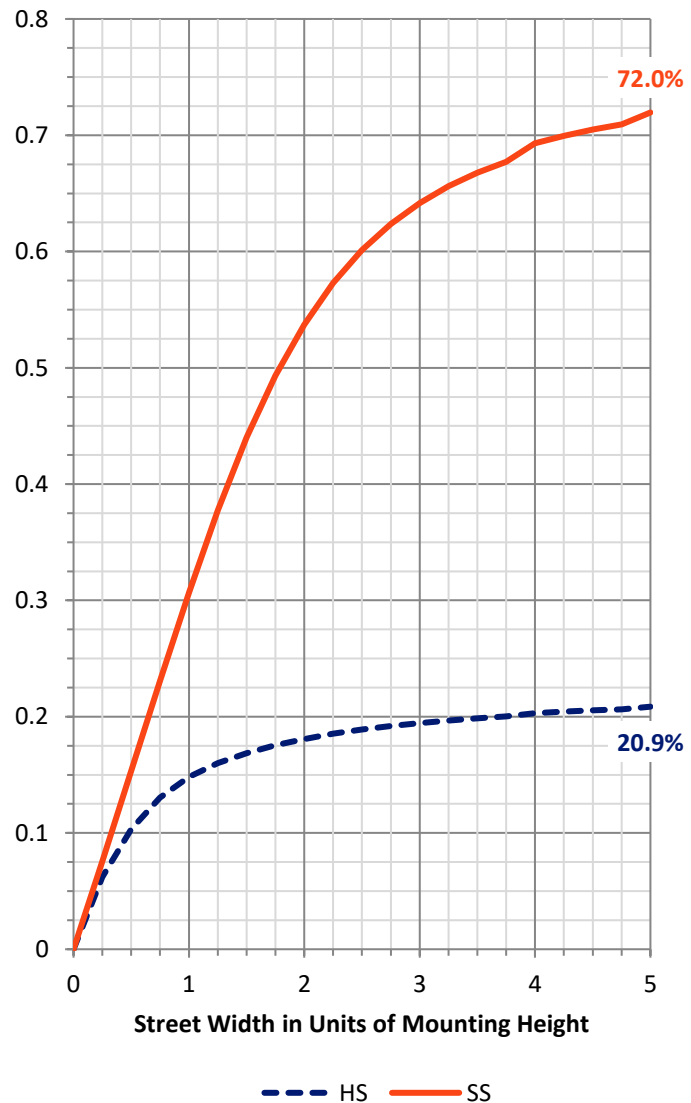
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.3	99.6	1499.9
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	4771.9	125.2	4897.1
	% Fixture	74.6	2.0	76.6
Total	Lumens	6172.2	224.8	6397.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.2
10°-20°	66.0	1.0
20°-30°	197.0	3.1
30°-40°	427.6	6.7
40°-50°	749.9	11.7
50°-60°	1188.4	18.6
60°-70°	1603.6	25.1
70°-80°	1375.9	21.5
80°-90°	550.5	8.6
90°-100°	134.0	2.1
100°-110°	47.0	0.7
110°-120°	21.6	0.3
120°-130°	11.6	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°	6172.2	96.5
0°-180°	6397.0	100.0



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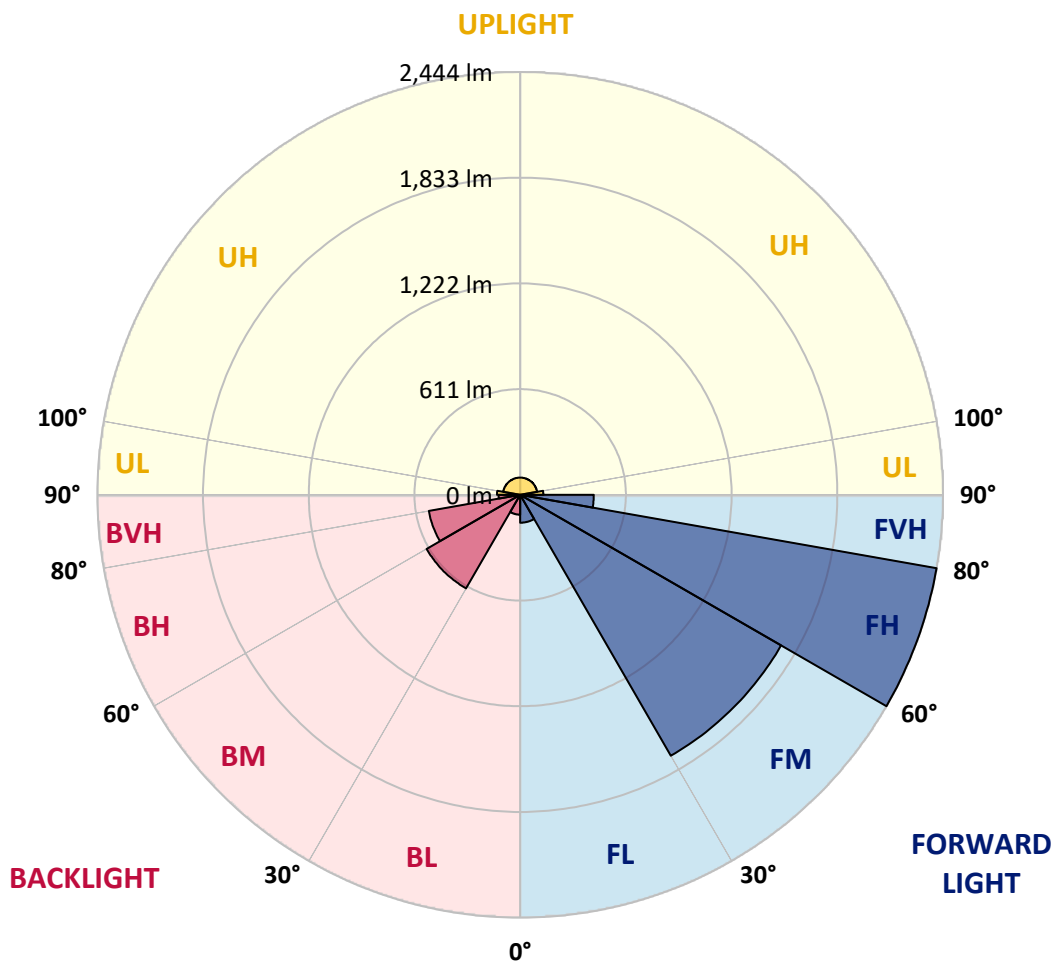
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.4	2.5			
FM (30°-60°)	1741.2	27.2			
FH (60°-80°)	2443.8	38.2			G2/5000
FVH (80°-90°)	425.5	6.7			G3/500
BL (0°-30°)	114.9	1.8	B1/500		
BM (30°-60°)	624.7	9.8	B1/1000		
BH (60°-80°)	535.8	8.4	B2/1000		G2/1000
BVH (80°-90°)	125.0	2.0			G2/225
UL (90°-100°)	134.0	2.1		U3/500	
UH (100°-180°)	99.6	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°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	125.6	124.8	124.8	125.6	125.6	125.6	123.3	121.1	118.9	118.1	117.4
5°	142.6	141.2	141.2	141.2	140.4	138.2	135.2	132.2	129.3	127.8	126.3
7.5°	164.9	164.2	163.4	161.2	160.5	156.8	152.3	147.8	143.4	141.9	140.4
10°	195.4	194.7	190.9	190.2	186.5	182.8	176.1	169.4	163.4	161.2	159.0
12.5°	234.0	234.0	228.8	222.9	218.4	211.0	205.1	196.9	192.4	189.5	186.5
15°	284.6	281.6	274.9	268.2	256.3	247.4	238.5	234.0	231.1	227.3	222.9
17.5°	340.3	336.6	330.6	317.2	301.6	289.0	280.8	276.4	274.9	272.7	267.5
20°	407.1	402.7	394.5	373.7	356.6	339.5	329.9	327.6	329.1	325.4	320.2
22.5°	486.6	483.7	466.6	440.6	416.8	393.0	384.1	385.6	388.6	393.8	390.8
25°	577.3	569.8	553.5	516.4	477.0	453.9	445.0	451.7	465.1	472.5	466.6
27.5°	682.8	678.3	645.6	597.3	546.1	514.9	508.2	527.5	550.5	556.5	556.5
30°	794.2	797.2	749.6	692.4	627.8	584.7	576.5	604.0	643.4	647.1	656.8
32.5°	935.4	930.2	880.4	786.8	710.3	654.5	649.3	688.0	737.8	757.1	757.1
35°	1083.2	1078.0	1017.1	906.4	800.2	728.1	731.8	772.7	840.3	864.8	868.5
37.5°	1253.4	1236.3	1170.1	1032.7	898.2	813.5	806.8	868.5	948.0	982.9	982.9
40°	1440.6	1430.9	1338.8	1176.1	998.5	901.9	896.7	968.1	1064.6	1103.3	1110.7
42.5°	1622.6	1610.0	1524.5	1315.0	1114.4	995.6	996.3	1074.3	1185.0	1238.5	1248.2
45°	1815.0	1803.1	1709.5	1485.9	1240.0	1111.5	1102.5	1199.9	1332.1	1391.5	1402.7
47.5°	1985.9	1977.7	1896.8	1656.0	1396.0	1235.5	1223.6	1335.8	1488.9	1555.0	1588.4
50°	2171.6	2161.2	2085.5	1837.3	1551.3	1367.8	1367.0	1487.4	1679.1	1759.3	1786.8
52.5°	2322.5	2310.6	2257.8	2019.3	1705.1	1522.3	1509.7	1657.5	1876.0	1991.1	2004.5
55°	2461.4	2456.9	2439.1	2214.7	1892.3	1673.9	1682.0	1857.4	2100.3	2230.3	2250.4
57.5°	2561.7	2567.6	2575.8	2410.9	2075.8	1843.3	1858.1	2058.0	2333.6	2454.7	2482.2
60°	2630.0	2650.9	2705.1	2581.8	2263.0	2028.3	2053.5	2256.3	2558.0	2687.3	2709.5
62.5°	2635.2	2657.5	2783.8	2741.5	2442.8	2217.7	2246.7	2460.7	2758.6	2902.0	2904.2
65°	2536.4	2566.9	2769.0	2827.7	2601.1	2399.0	2425.0	2642.7	2926.5	3053.5	3007.5
67.5°	2366.3	2398.2	2665.7	2835.1	2699.1	2540.2	2577.3	2783.8	3002.3	3098.1	3016.4
70°	2119.6	2150.8	2432.4	2722.9	2717.0	2623.4	2672.4	2841.8	2988.2	2997.8	2882.7
72.5°	1795.7	1792.7	2096.6	2477.7	2618.2	2616.7	2694.7	2798.0	2826.9	2772.7	2601.8
75°	1375.2	1413.8	1691.0	2123.4	2393.0	2498.5	2577.3	2616.7	2533.5	2365.6	2180.6
77.5°	985.2	1017.1	1269.0	1673.9	2058.7	2253.4	2340.3	2321.7	2115.2	1918.3	1705.8
80°	652.3	670.9	881.1	1249.6	1659.8	1885.6	1990.4	1919.0	1656.8	1404.9	1221.4
82.5°	391.5	422.0	554.2	878.2	1231.1	1490.4	1554.3	1435.4	1182.8	977.7	843.2
85°	237.0	243.7	344.7	561.7	859.6	1072.1	1133.0	1005.2	777.9	610.7	506.7
87.5°	133.0	144.9	213.2	365.5	578.0	744.4	766.0	662.0	488.1	378.9	317.2
90°	78.0	86.2	130.8	226.6	368.5	481.4	487.4	400.5	289.0	228.1	202.8
92.5°	49.8	55.7	86.9	145.6	237.0	312.8	304.6	247.4	185.0	152.3	131.5
95°	35.7	38.6	60.9	100.3	159.0	196.9	193.9	155.3	124.1	106.2	96.6
97.5°	26.7	29.7	47.5	73.6	107.0	132.2	129.3	103.3	86.2	78.0	74.3
100°	22.3	23.8	38.6	58.0	79.5	95.1	93.6	76.5	64.6	58.7	57.2
102.5°	19.3	20.8	31.9	46.8	63.2	73.6	70.6	59.4	49.0	43.8	42.3
105°	17.1	17.8	27.5	40.1	52.0	58.0	57.2	47.5	37.9	32.7	31.9
107.5°	15.6	16.3	23.8	34.2	43.8	49.0	47.5	38.6	29.0	25.3	24.5
110°	14.1	14.9	20.8	29.7	37.1	41.6	39.4	31.9	23.0	19.3	19.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	13.4	13.4	18.6	25.3	31.9	35.7	33.4	26.0	17.8	15.6	16.3
115°	12.6	12.6	16.3	22.3	28.2	31.2	28.2	21.5	14.9	13.4	13.4
117.5°	11.9	11.9	14.9	20.1	25.3	27.5	24.5	18.6	12.6	11.1	11.9
120°	11.1	11.9	14.1	17.8	22.3	23.8	21.5	15.6	10.4	10.4	11.1
122.5°	11.1	11.1	13.4	16.3	20.1	20.8	18.6	13.4	9.7	9.7	9.7
125°	11.1	11.1	12.6	14.9	17.8	18.6	15.6	11.1	8.9	8.9	8.9
127.5°	11.1	11.1	11.9	14.1	15.6	16.3	14.1	10.4	8.2	8.2	8.9
130°	10.4	11.1	11.1	12.6	14.1	14.1	11.9	8.9	7.4	7.4	8.2
132.5°	10.4	10.4	11.1	11.9	12.6	12.6	10.4	8.2	6.7	7.4	7.4
135°	10.4	10.4	10.4	11.1	11.9	11.1	8.9	6.7	5.9	6.7	6.7
137.5°	9.7	9.7	9.7	10.4	10.4	9.7	8.2	5.9	5.9	5.9	5.9
140°	8.9	8.9	8.9	8.9	9.7	8.9	6.7	5.2	5.2	5.2	5.2
142.5°	8.2	8.2	8.2	8.2	8.2	7.4	5.9	4.5	4.5	4.5	4.5
145°	7.4	7.4	7.4	7.4	6.7	5.9	4.5	3.7	3.7	4.5	4.5
147.5°	5.9	5.9	5.9	5.9	5.9	5.2	3.7	3.0	3.7	3.7	3.7
150°	5.2	5.2	5.2	5.2	4.5	4.5	3.0	3.0	3.0	3.7	3.7
152.5°	3.7	3.7	3.7	4.5	3.7	3.0	2.2	2.2	3.0	3.0	3.0
155°	3.0	3.0	3.0	3.0	3.0	2.2	1.5	2.2	3.0	3.0	3.0
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°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	117.4	116.6	115.9	115.2	114.4	114.4	113.7	112.9	112.2	111.4	111.4
5°	125.6	124.1	121.8	120.4	118.9	118.9	117.4	116.6	115.2	114.4	114.4
7.5°	138.2	137.4	133.0	130.8	128.5	127.8	126.3	124.8	123.3	123.3	123.3
10°	156.8	154.5	150.8	144.9	142.6	141.2	138.9	137.4	137.4	138.2	138.2
12.5°	185.0	179.1	173.9	165.7	161.2	158.2	156.8	157.5	161.2	162.7	161.2
15°	217.7	216.2	203.6	191.7	182.8	176.8	180.5	185.0	190.2	191.7	193.9
17.5°	263.0	257.8	240.7	223.6	207.3	204.3	208.8	216.2	222.1	226.6	230.3
20°	317.2	308.3	287.5	257.8	239.2	234.8	237.7	248.1	259.3	268.2	268.9
22.5°	385.6	372.2	335.1	297.9	270.4	263.0	266.7	283.1	299.4	310.6	309.8
25°	459.9	443.5	393.8	340.3	302.4	289.0	295.7	317.2	340.3	353.6	355.1
27.5°	543.1	526.8	457.7	381.1	331.4	311.3	322.4	347.0	378.2	394.5	397.5
30°	641.2	618.9	521.6	425.0	358.1	332.1	342.5	374.4	408.6	431.7	434.6
32.5°	743.0	708.0	585.4	460.6	376.7	345.5	357.4	394.5	433.9	459.1	463.6
35°	848.5	805.4	650.1	491.1	390.0	353.6	365.5	407.1	448.7	476.2	479.9
37.5°	967.3	910.1	708.8	514.1	397.5	355.9	367.8	409.4	451.7	478.5	482.2
40°	1086.9	1010.4	757.8	528.2	398.2	353.6	363.3	403.4	443.5	466.6	470.3
42.5°	1215.5	1115.9	806.8	532.0	394.5	347.7	355.9	391.5	425.7	443.5	445.8
45°	1359.6	1237.8	848.5	529.0	384.1	338.8	344.7	375.2	401.9	410.1	413.8
47.5°	1511.9	1358.1	880.4	520.1	373.7	329.1	332.8	358.1	375.2	375.9	376.7
50°	1697.6	1504.5	919.8	507.4	359.6	320.2	322.4	342.5	350.7	347.0	345.5
52.5°	1901.2	1661.2	945.0	487.4	347.0	312.0	314.3	329.9	332.8	324.7	325.4
55°	2122.6	1807.6	966.6	468.1	333.6	306.8	311.3	323.9	323.9	313.5	312.8
57.5°	2329.2	1956.9	976.2	443.5	322.4	303.1	310.6	323.2	321.7	312.0	311.3
60°	2529.0	2078.8	964.4	419.8	315.0	301.6	315.0	328.4	326.9	318.7	318.0
62.5°	2667.2	2155.3	934.6	396.0	308.3	303.9	320.2	335.8	335.8	326.9	326.9
65°	2726.6	2146.4	873.7	372.2	303.1	305.4	327.6	344.0	342.5	335.1	333.6
67.5°	2676.9	2065.4	792.0	349.2	298.7	306.8	331.4	348.4	347.0	338.8	337.3
70°	2517.1	1895.3	693.2	328.4	292.7	304.6	332.8	347.7	345.5	338.0	335.1
72.5°	2199.1	1630.8	589.9	308.3	283.8	299.4	328.4	341.8	339.5	333.6	329.9
75°	1811.3	1315.0	487.4	286.0	272.7	289.8	318.7	330.6	327.6	322.4	318.7
77.5°	1384.9	993.3	402.7	265.2	259.3	277.1	305.4	314.3	311.3	306.8	304.6
80°	980.0	707.3	323.9	242.2	240.0	257.8	281.6	291.2	289.8	285.3	281.6
82.5°	644.9	470.3	258.5	216.2	217.7	236.3	254.1	259.3	258.5	254.8	250.4
85°	397.5	309.8	203.6	186.5	193.2	208.0	222.9	223.6	221.4	220.7	214.0
87.5°	253.3	211.7	159.7	158.2	167.9	180.5	187.2	184.3	185.7	185.7	180.5
90°	164.9	148.6	127.8	132.2	142.6	152.3	155.3	147.1	151.6	149.3	147.1
92.5°	119.6	110.7	104.0	110.0	120.4	129.3	127.8	118.9	121.1	121.1	120.4
95°	90.6	86.2	86.9	92.9	101.0	107.0	104.0	96.6	97.3	95.8	93.6
97.5°	71.3	70.6	73.6	78.0	85.4	89.2	86.2	79.5	78.8	76.5	75.8
100°	56.5	57.2	61.7	66.9	71.3	74.3	72.1	65.4	62.4	58.7	58.0
102.5°	43.8	45.3	51.3	55.7	60.2	62.4	60.2	55.0	49.8	46.1	45.3
105°	34.2	35.7	42.3	46.8	50.5	52.0	50.5	44.6	39.4	34.9	34.9
107.5°	26.7	28.2	34.9	40.1	42.3	43.8	41.6	37.1	31.2	27.5	27.5
110°	21.5	23.0	29.0	33.4	35.7	37.1	34.9	29.7	25.3	22.3	22.3



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CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.1	19.3	23.8	28.2	30.5	31.2	29.0	25.3	20.1	18.6	18.6
115°	14.9	16.3	20.1	23.8	26.0	26.0	24.5	20.8	16.3	15.6	15.6
117.5°	12.6	14.1	17.1	20.8	22.3	22.3	20.8	17.1	14.1	13.4	13.4
120°	11.9	12.6	14.9	17.8	19.3	19.3	17.8	14.9	11.9	11.9	11.9
122.5°	10.4	11.1	13.4	15.6	17.1	17.1	15.6	12.6	10.4	11.1	11.1
125°	9.7	10.4	11.9	13.4	14.9	14.9	13.4	11.1	9.7	9.7	9.7
127.5°	8.9	9.7	10.4	11.9	12.6	12.6	11.9	9.7	8.9	8.9	8.9
130°	8.2	8.9	9.7	10.4	11.1	11.1	9.7	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	8.9	9.7	9.7	8.9	7.4	7.4	7.4	7.4
135°	7.4	7.4	7.4	7.4	8.2	8.2	7.4	6.7	6.7	6.7	6.7
137.5°	6.7	6.7	6.7	6.7	7.4	7.4	6.7	5.9	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.2	5.9	5.9	5.2	5.2	5.2	5.2	5.2
142.5°	4.5	5.2	4.5	4.5	4.5	4.5	4.5	3.7	4.5	4.5	4.5
145°	4.5	4.5	4.5	3.7	3.7	3.7	3.7	3.0	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.0	2.2	3.0	2.2	3.0	3.0	3.0	3.0
150°	3.7	3.7	3.0	3.0	2.2	1.5	1.5	2.2	2.2	2.2	2.2
152.5°	3.0	3.0	3.0	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
155°	3.0	3.0	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)