

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: P415849

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415849
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-PA1-60-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 5874 lumens
Efficiency: N/A
Efficacy: 91.8 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: B1 - 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

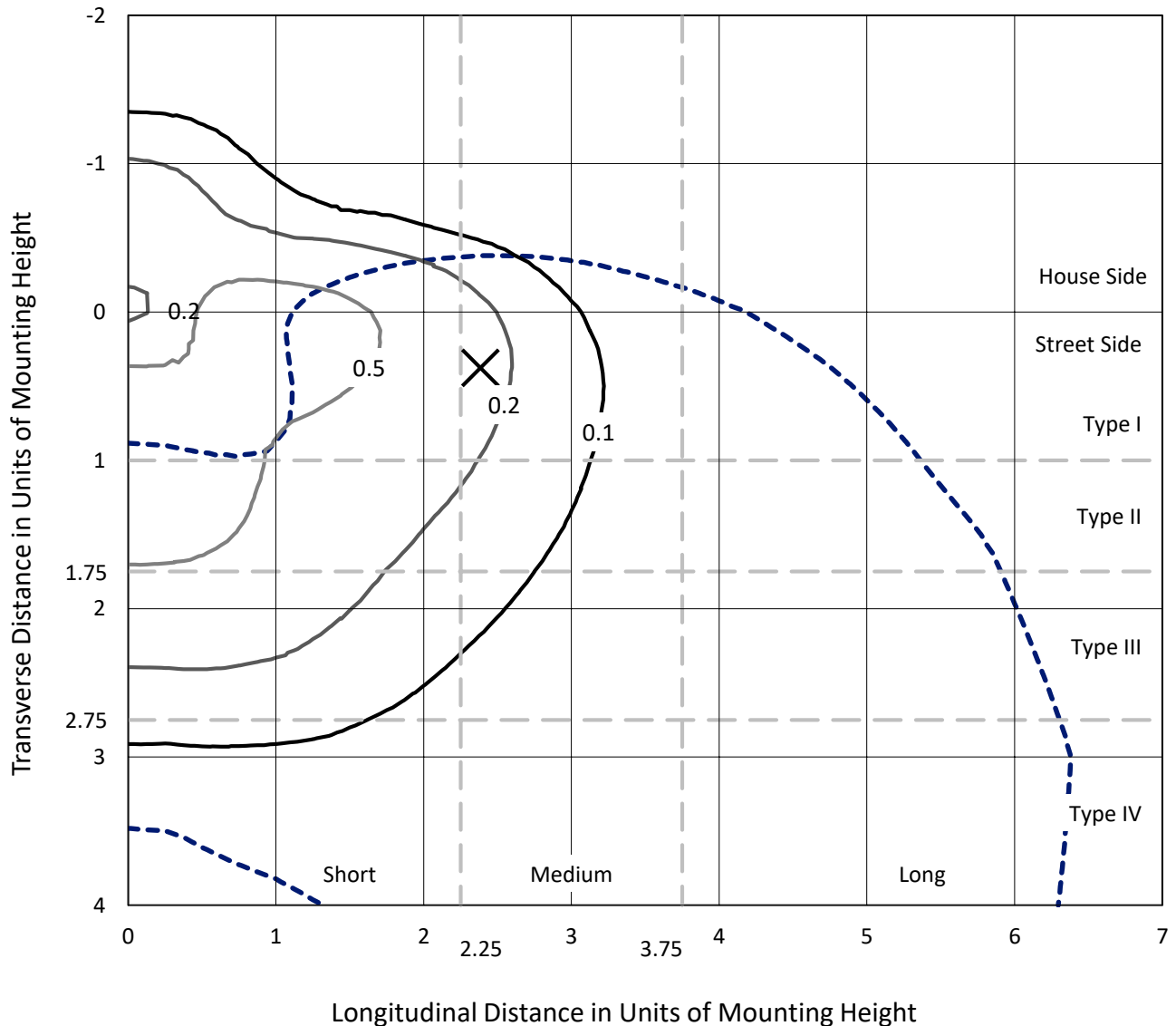


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

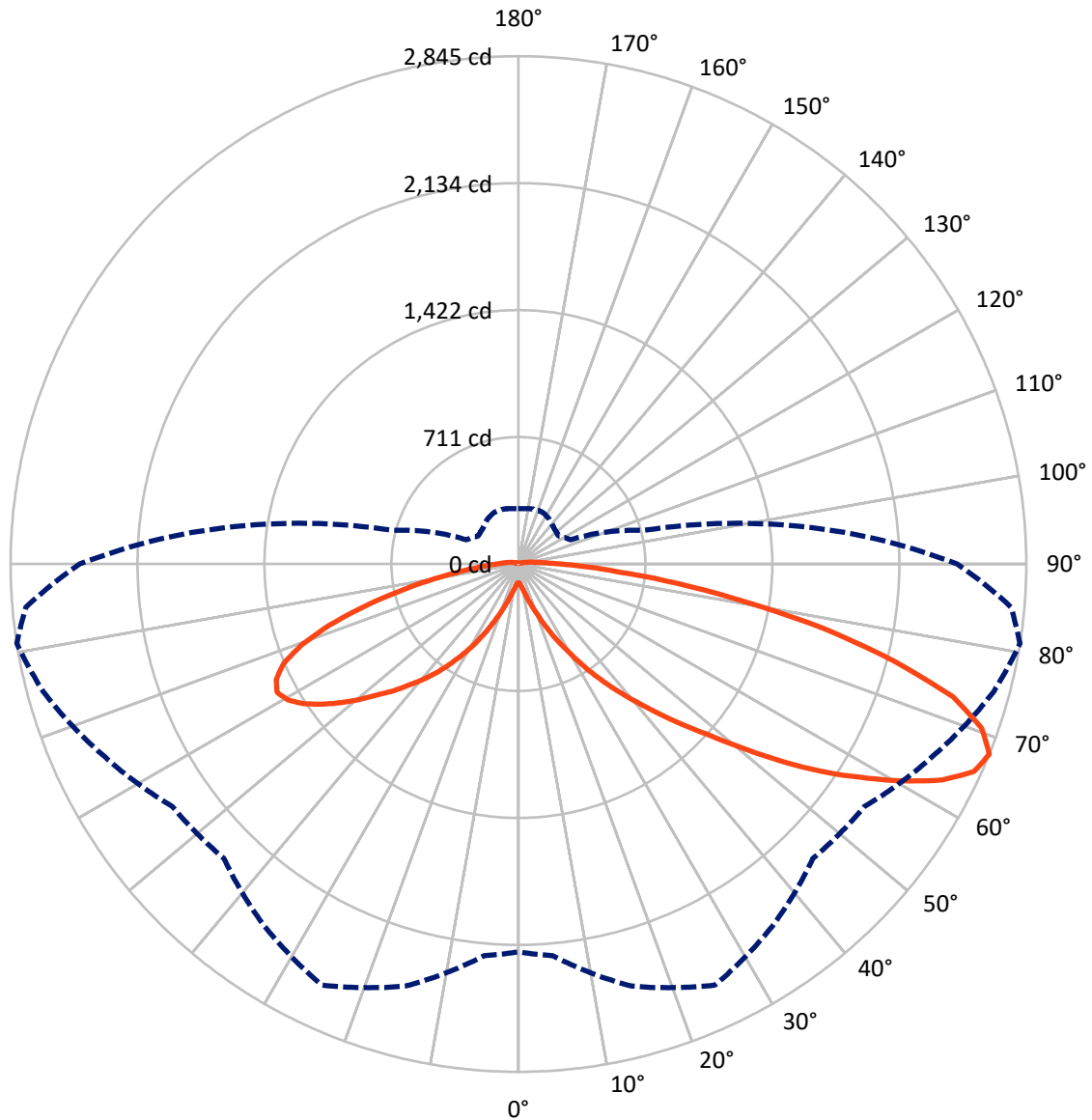


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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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	1285.8	91.4	1377.3
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	4381.8	115.0	4496.7
	% Fixture	74.6	2.0	76.6
Total	Lumens	5667.6	206.4	5874.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.2
10°-20°	60.6	1.0
20°-30°	180.9	3.1
30°-40°	392.7	6.7
40°-50°	688.6	11.7
50°-60°	1091.2	18.6
60°-70°	1472.5	25.1
70°-80°	1263.4	21.5
80°-90°	505.5	8.6
90°-100°	123.0	2.1
100°-110°	43.2	0.7
110°-120°	19.8	0.3
120°-130°	10.7	0.2
130°-140°	6.0	0.1
140°-150°	2.8	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5667.6	96.5
0°-180°	5874.0	100.0



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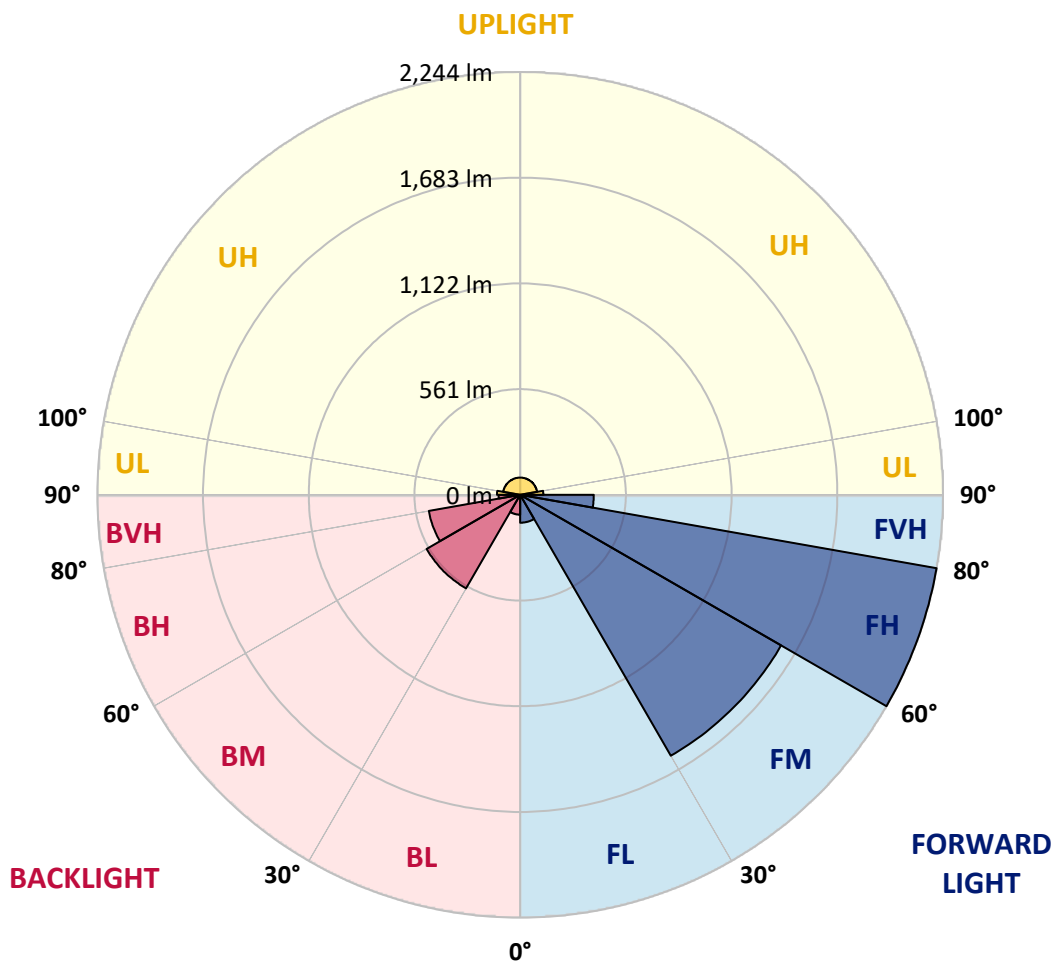
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.2	2.5			
FM	(30°-60°)	1598.8	27.2			
FH	(60°-80°)	2244.0	38.2			G2/5000
FVH	(80°-90°)	390.7	6.7			G3/500
BL	(0°-30°)	105.5	1.8	B0/110		
BM	(30°-60°)	573.6	9.8	B1/1000		
BH	(60°-80°)	492.0	8.4	B1/500		G1/500
BVH	(80°-90°)	114.8	2.0			G2/225
UL	(90°-100°)	123.0	2.1		U3/500	
UH	(100°-180°)	91.4	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
2.5°	115.3	114.6	114.6	115.3	115.3	115.3	113.2	111.2	109.2	108.5	107.8
5°	131.0	129.6	129.6	129.6	128.9	126.9	124.2	121.4	118.7	117.3	116.0
7.5°	151.5	150.8	150.1	148.0	147.4	143.9	139.9	135.8	131.7	130.3	128.9
10°	179.4	178.7	175.3	174.6	171.2	167.8	161.7	155.5	150.1	148.0	146.0
12.5°	214.9	214.9	210.1	204.7	200.6	193.7	188.3	180.8	176.7	174.0	171.2
15°	261.3	258.6	252.4	246.3	235.4	227.2	219.0	214.9	212.2	208.8	204.7
17.5°	312.5	309.0	303.6	291.3	277.0	265.4	257.9	253.8	252.4	250.4	245.6
20°	373.9	369.8	362.3	343.2	327.5	311.8	302.9	300.9	302.2	298.8	294.0
22.5°	446.8	444.1	428.4	404.6	382.7	360.9	352.7	354.1	356.8	361.6	358.8
25°	530.1	523.3	508.2	474.1	438.0	416.8	408.6	414.8	427.1	433.9	428.4
27.5°	627.0	622.9	592.8	548.5	501.4	472.8	466.6	484.4	505.5	511.0	511.0
30°	729.3	732.0	688.3	635.8	576.5	536.9	529.4	554.6	590.8	594.2	603.1
32.5°	858.9	854.1	808.4	722.5	652.2	601.0	596.3	631.7	677.4	695.2	695.2
35°	994.7	989.9	933.9	832.3	734.7	668.6	672.0	709.5	771.6	794.1	797.5
37.5°	1150.9	1135.2	1074.5	948.3	824.8	747.0	740.9	797.5	870.5	902.6	902.6
40°	1322.8	1313.9	1229.3	1079.9	916.9	828.2	823.4	888.9	977.6	1013.1	1019.9
42.5°	1489.9	1478.3	1399.9	1207.5	1023.3	914.2	914.8	986.5	1088.1	1137.2	1146.1
45°	1666.6	1655.7	1569.8	1364.4	1138.6	1020.6	1012.4	1101.8	1223.2	1277.8	1288.0
47.5°	1823.5	1816.0	1741.7	1520.6	1281.9	1134.5	1123.6	1226.6	1367.1	1427.9	1458.6
50°	1994.1	1984.5	1915.0	1687.1	1424.5	1255.9	1255.3	1365.8	1541.8	1615.5	1640.7
52.5°	2132.6	2121.7	2073.2	1854.2	1565.7	1397.8	1386.3	1522.0	1722.6	1828.3	1840.6
55°	2260.2	2256.1	2239.7	2033.7	1737.6	1537.0	1544.5	1705.5	1928.6	2048.0	2066.4
57.5°	2352.3	2357.7	2365.2	2213.8	1906.1	1692.6	1706.2	1889.7	2142.8	2254.0	2279.3
60°	2415.0	2434.1	2483.9	2370.7	2078.0	1862.4	1885.6	2071.9	2348.8	2467.6	2488.0
62.5°	2419.8	2440.3	2556.2	2517.4	2243.1	2036.4	2063.0	2259.5	2533.0	2664.7	2666.8
65°	2329.1	2357.0	2542.6	2596.5	2388.4	2202.9	2226.7	2426.6	2687.2	2803.9	2761.6
67.5°	2172.8	2202.2	2447.8	2603.3	2478.5	2332.5	2366.6	2556.2	2756.8	2844.8	2769.8
70°	1946.3	1975.0	2233.6	2500.3	2494.8	2408.9	2453.9	2609.5	2743.8	2752.7	2647.0
72.5°	1648.9	1646.2	1925.2	2275.2	2404.1	2402.7	2474.4	2569.2	2595.8	2546.0	2389.1
75°	1262.8	1298.2	1552.7	1949.8	2197.4	2294.3	2366.6	2402.7	2326.3	2172.2	2002.3
77.5°	904.6	933.9	1165.2	1537.0	1890.4	2069.1	2149.0	2131.9	1942.3	1761.5	1566.4
80°	599.0	616.0	809.1	1147.5	1524.1	1731.4	1827.6	1762.1	1521.3	1290.1	1121.6
82.5°	359.5	387.5	508.9	806.4	1130.4	1368.5	1427.2	1318.0	1086.1	897.8	774.3
85°	217.6	223.8	316.5	515.8	789.3	984.4	1040.4	923.0	714.3	560.8	465.3
87.5°	122.1	133.0	195.8	335.6	530.8	683.6	703.4	607.8	448.2	347.9	291.3
90°	71.6	79.1	120.1	208.1	338.4	442.1	447.5	367.7	265.4	209.4	186.2
92.5°	45.7	51.2	79.8	133.7	217.6	287.2	279.7	227.2	169.9	139.9	120.8
95°	32.7	35.5	55.9	92.1	146.0	180.8	178.1	142.6	113.9	97.6	88.7
97.5°	24.6	27.3	43.7	67.5	98.2	121.4	118.7	94.8	79.1	71.6	68.2
100°	20.5	21.8	35.5	53.2	73.0	87.3	86.0	70.3	59.4	53.9	52.5
102.5°	17.7	19.1	29.3	43.0	58.0	67.5	64.8	54.6	45.0	40.3	38.9
105°	15.7	16.4	25.2	36.8	47.8	53.2	52.5	43.7	34.8	30.0	29.3
107.5°	14.3	15.0	21.8	31.4	40.3	45.0	43.7	35.5	26.6	23.2	22.5
110°	13.0	13.6	19.1	27.3	34.1	38.2	36.2	29.3	21.1	17.7	17.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	12.3	12.3	17.1	23.2	29.3	32.7	30.7	23.9	16.4	14.3	15.0
115°	11.6	11.6	15.0	20.5	25.9	28.7	25.9	19.8	13.6	12.3	12.3
117.5°	10.9	10.9	13.6	18.4	23.2	25.2	22.5	17.1	11.6	10.2	10.9
120°	10.2	10.9	13.0	16.4	20.5	21.8	19.8	14.3	9.6	9.6	10.2
122.5°	10.2	10.2	12.3	15.0	18.4	19.1	17.1	12.3	8.9	8.9	8.9
125°	10.2	10.2	11.6	13.6	16.4	17.1	14.3	10.2	8.2	8.2	8.2
127.5°	10.2	10.2	10.9	13.0	14.3	15.0	13.0	9.6	7.5	7.5	8.2
130°	9.6	10.2	10.2	11.6	13.0	13.0	10.9	8.2	6.8	6.8	7.5
132.5°	9.6	9.6	10.2	10.9	11.6	11.6	9.6	7.5	6.1	6.8	6.8
135°	9.6	9.6	9.6	10.2	10.9	10.2	8.2	6.1	5.5	6.1	6.1
137.5°	8.9	8.9	8.9	9.6	9.6	8.9	7.5	5.5	5.5	5.5	5.5
140°	8.2	8.2	8.2	8.2	8.9	8.2	6.1	4.8	4.8	4.8	4.8
142.5°	7.5	7.5	7.5	7.5	7.5	6.8	5.5	4.1	4.1	4.1	4.1
145°	6.8	6.8	6.8	6.8	6.1	5.5	4.1	3.4	3.4	4.1	4.1
147.5°	5.5	5.5	5.5	5.5	5.5	4.8	3.4	2.7	3.4	3.4	3.4
150°	4.8	4.8	4.8	4.8	4.1	4.1	2.7	2.7	2.7	3.4	3.4
152.5°	3.4	3.4	3.4	4.1	3.4	2.7	2.0	2.0	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	2.7	2.0	1.4	2.0	2.7	2.7	2.7
157.5°	1.4	2.0	2.0	2.0	2.0	2.0	1.4	2.0	2.0	2.0	2.0
160°	0.7	0.7	1.4	1.4	2.0	2.0	1.4	1.4	2.0	2.0	2.0
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°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
2.5°	107.8	107.1	106.4	105.7	105.1	105.1	104.4	103.7	103.0	102.3	102.3
5°	115.3	113.9	111.9	110.5	109.2	109.2	107.8	107.1	105.7	105.1	105.1
7.5°	126.9	126.2	122.1	120.1	118.0	117.3	116.0	114.6	113.2	113.2	113.2
10°	143.9	141.9	138.5	133.0	131.0	129.6	127.6	126.2	126.2	126.9	126.9
12.5°	169.9	164.4	159.6	152.1	148.0	145.3	143.9	144.6	148.0	149.4	148.0
15°	199.9	198.5	186.9	176.0	167.8	162.4	165.8	169.9	174.6	176.0	178.1
17.5°	241.5	236.7	221.0	205.3	190.3	187.6	191.7	198.5	204.0	208.1	211.5
20°	291.3	283.1	264.0	236.7	219.7	215.6	218.3	227.9	238.1	246.3	247.0
22.5°	354.1	341.8	307.7	273.6	248.3	241.5	244.9	259.9	274.9	285.2	284.5
25°	422.3	407.3	361.6	312.5	277.7	265.4	271.5	291.3	312.5	324.7	326.1
27.5°	498.7	483.7	420.2	350.0	304.3	285.8	296.1	318.6	347.2	362.3	365.0
30°	588.7	568.3	478.9	390.2	328.8	304.9	314.5	343.8	375.2	396.4	399.1
32.5°	682.2	650.1	537.6	423.0	345.9	317.2	328.1	362.3	398.4	421.6	425.7
35°	779.1	739.5	596.9	450.9	358.2	324.7	335.6	373.9	412.1	437.3	440.7
37.5°	888.2	835.7	650.8	472.1	365.0	326.8	337.7	375.9	414.8	439.3	442.8
40°	998.1	927.8	695.9	485.1	365.7	324.7	333.6	370.4	407.3	428.4	431.8
42.5°	1116.1	1024.7	740.9	488.5	362.3	319.3	326.8	359.5	390.9	407.3	409.3
45°	1248.4	1136.6	779.1	485.7	352.7	311.1	316.5	344.5	369.1	376.6	380.0
47.5°	1388.3	1247.1	808.4	477.5	343.2	302.2	305.6	328.8	344.5	345.2	345.9
50°	1558.8	1381.5	844.6	465.9	330.2	294.0	296.1	314.5	322.0	318.6	317.2
52.5°	1745.8	1525.4	867.8	447.5	318.6	286.5	288.6	302.9	305.6	298.1	298.8
55°	1949.1	1659.8	887.6	429.8	306.3	281.8	285.8	297.4	297.4	287.9	287.2
57.5°	2138.7	1796.9	896.4	407.3	296.1	278.3	285.2	296.8	295.4	286.5	285.8
60°	2322.2	1908.8	885.5	385.4	289.3	277.0	289.3	301.5	300.2	292.7	292.0
62.5°	2449.1	1979.1	858.2	363.6	283.1	279.0	294.0	308.4	308.4	300.2	300.2
65°	2503.7	1970.9	802.3	341.8	278.3	280.4	300.9	315.9	314.5	307.7	306.3
67.5°	2458.0	1896.5	727.2	320.6	274.2	281.8	304.3	320.0	318.6	311.1	309.7
70°	2311.3	1740.3	636.5	301.5	268.8	279.7	305.6	319.3	317.2	310.4	307.7
72.5°	2019.3	1497.5	541.7	283.1	260.6	274.9	301.5	313.8	311.8	306.3	302.9
75°	1663.2	1207.5	447.5	262.7	250.4	266.1	292.7	303.6	300.9	296.1	292.7
77.5°	1271.6	912.1	369.8	243.5	238.1	254.5	280.4	288.6	285.8	281.8	279.7
80°	899.8	649.5	297.4	222.4	220.4	236.7	258.6	267.4	266.1	262.0	258.6
82.5°	592.2	431.8	237.4	198.5	199.9	216.9	233.3	238.1	237.4	234.0	229.9
85°	365.0	284.5	186.9	171.2	177.4	191.0	204.7	205.3	203.3	202.6	196.5
87.5°	232.6	194.4	146.7	145.3	154.2	165.8	171.9	169.2	170.6	170.6	165.8
90°	151.5	136.4	117.3	121.4	131.0	139.9	142.6	135.1	139.2	137.1	135.1
92.5°	109.8	101.6	95.5	101.0	110.5	118.7	117.3	109.2	111.2	111.2	110.5
95°	83.2	79.1	79.8	85.3	92.8	98.2	95.5	88.7	89.4	88.0	86.0
97.5°	65.5	64.8	67.5	71.6	78.5	81.9	79.1	73.0	72.3	70.3	69.6
100°	51.8	52.5	56.6	61.4	65.5	68.2	66.2	60.0	57.3	53.9	53.2
102.5°	40.3	41.6	47.1	51.2	55.3	57.3	55.3	50.5	45.7	42.3	41.6
105°	31.4	32.7	38.9	43.0	46.4	47.8	46.4	40.9	36.2	32.1	32.1
107.5°	24.6	25.9	32.1	36.8	38.9	40.3	38.2	34.1	28.7	25.2	25.2
110°	19.8	21.1	26.6	30.7	32.7	34.1	32.1	27.3	23.2	20.5	20.5



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CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.7	17.7	21.8	25.9	28.0	28.7	26.6	23.2	18.4	17.1	17.1
115°	13.6	15.0	18.4	21.8	23.9	23.9	22.5	19.1	15.0	14.3	14.3
117.5°	11.6	13.0	15.7	19.1	20.5	20.5	19.1	15.7	13.0	12.3	12.3
120°	10.9	11.6	13.6	16.4	17.7	17.7	16.4	13.6	10.9	10.9	10.9
122.5°	9.6	10.2	12.3	14.3	15.7	15.7	14.3	11.6	9.6	10.2	10.2
125°	8.9	9.6	10.9	12.3	13.6	13.6	12.3	10.2	8.9	8.9	8.9
127.5°	8.2	8.9	9.6	10.9	11.6	11.6	10.9	8.9	8.2	8.2	8.2
130°	7.5	8.2	8.9	9.6	10.2	10.2	8.9	7.5	7.5	7.5	7.5
132.5°	7.5	7.5	7.5	8.2	8.9	8.9	8.2	6.8	6.8	6.8	6.8
135°	6.8	6.8	6.8	6.8	7.5	7.5	6.8	6.1	6.1	6.1	6.1
137.5°	6.1	6.1	6.1	6.1	6.8	6.8	6.1	5.5	5.5	5.5	5.5
140°	5.5	5.5	5.5	4.8	5.5	5.5	4.8	4.8	4.8	4.8	4.8
142.5°	4.1	4.8	4.1	4.1	4.1	4.1	4.1	3.4	4.1	4.1	4.1
145°	4.1	4.1	4.1	3.4	3.4	3.4	3.4	2.7	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	2.7	2.0	2.7	2.0	2.7	2.7	2.7	2.7
150°	3.4	3.4	2.7	2.7	2.0	1.4	1.4	2.0	2.0	2.0	2.0
152.5°	2.7	2.7	2.7	2.0	1.4	0.7	0.7	1.4	1.4	1.4	1.4
155°	2.7	2.7	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	2.0	2.0	2.0	1.4	1.4	0.7	0.0	0.7	0.0	0.0	0.0
160°	2.0	2.0	2.0	1.4	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)