

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: P415461

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-730-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5576 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

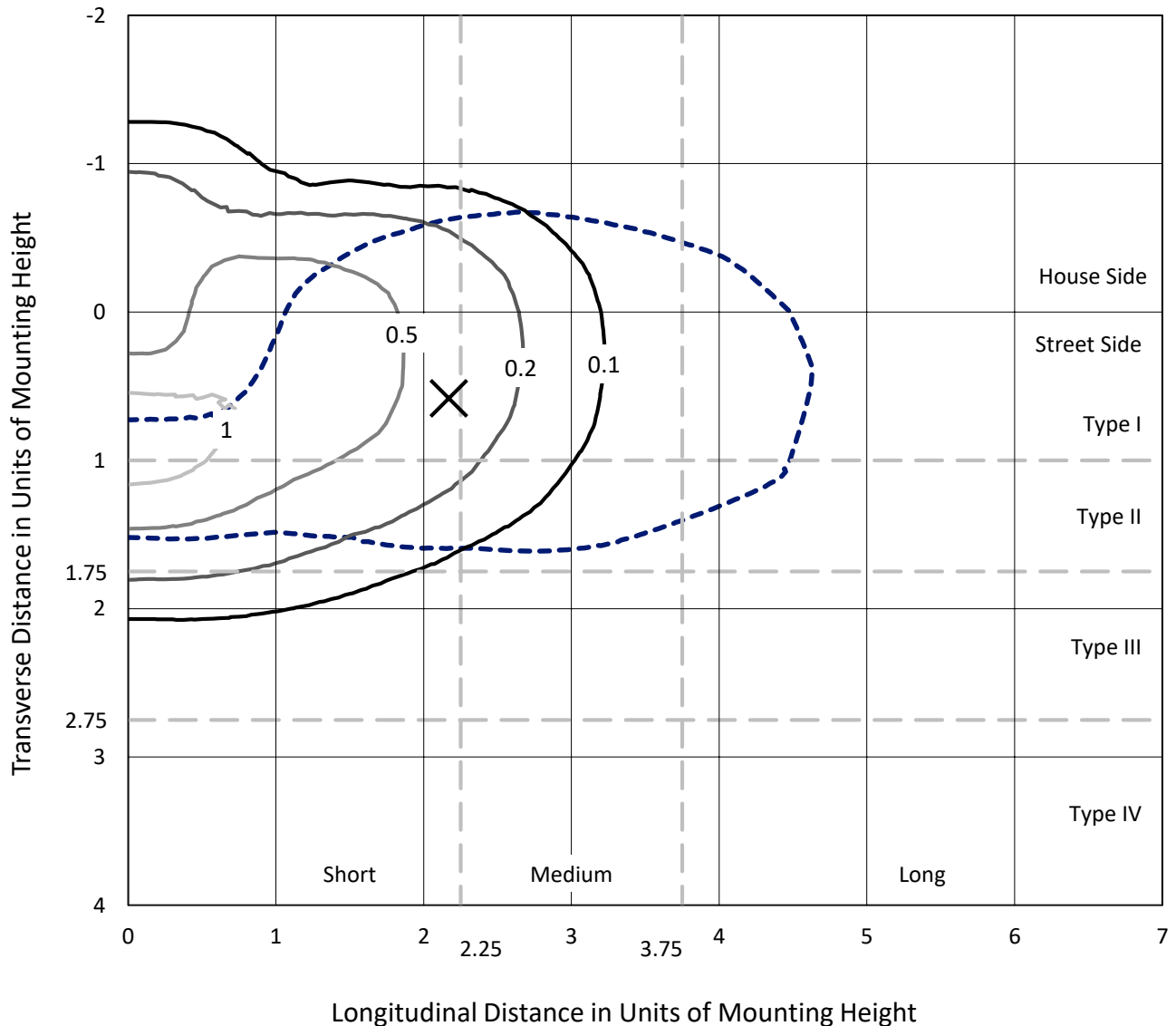
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

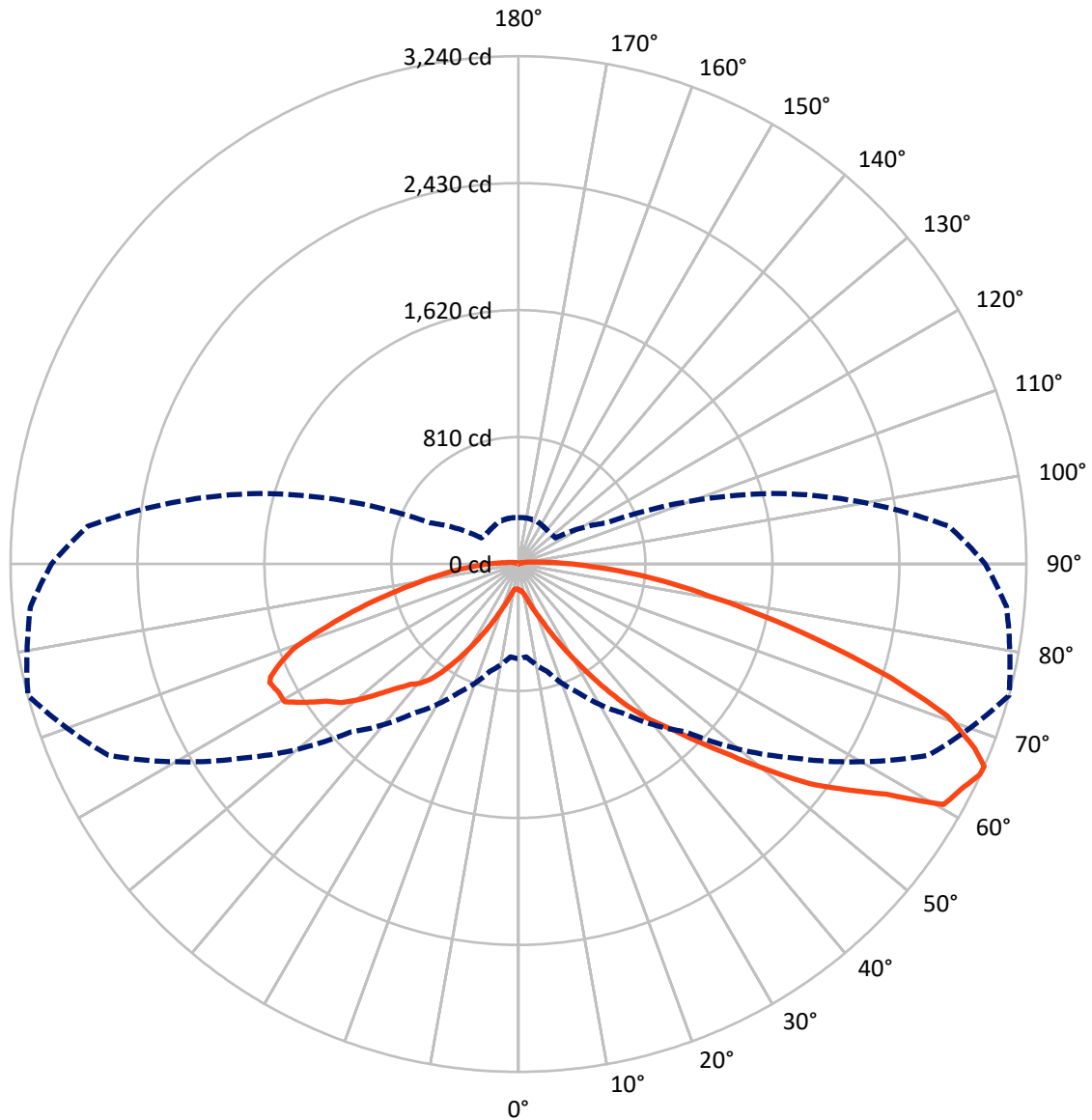
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1583.7	77.3	1661.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	3838.5	76.4	3915.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	5422.2	153.8	5576.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.3
10°-20°	70.0	1.3
20°-30°	212.5	3.8
30°-40°	525.7	9.4
40°-50°	949.2	17.0
50°-60°	1282.6	23.0
60°-70°	1287.5	23.1
70°-80°	777.6	13.9
80°-90°	300.6	5.4
90°-100°	89.3	1.6
100°-110°	32.2	0.6
110°-120°	15.6	0.3
120°-130°	9.2	0.2
130°-140°	5.5	0.1
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5422.2	97.2
0°-180°	5576.0	100.0



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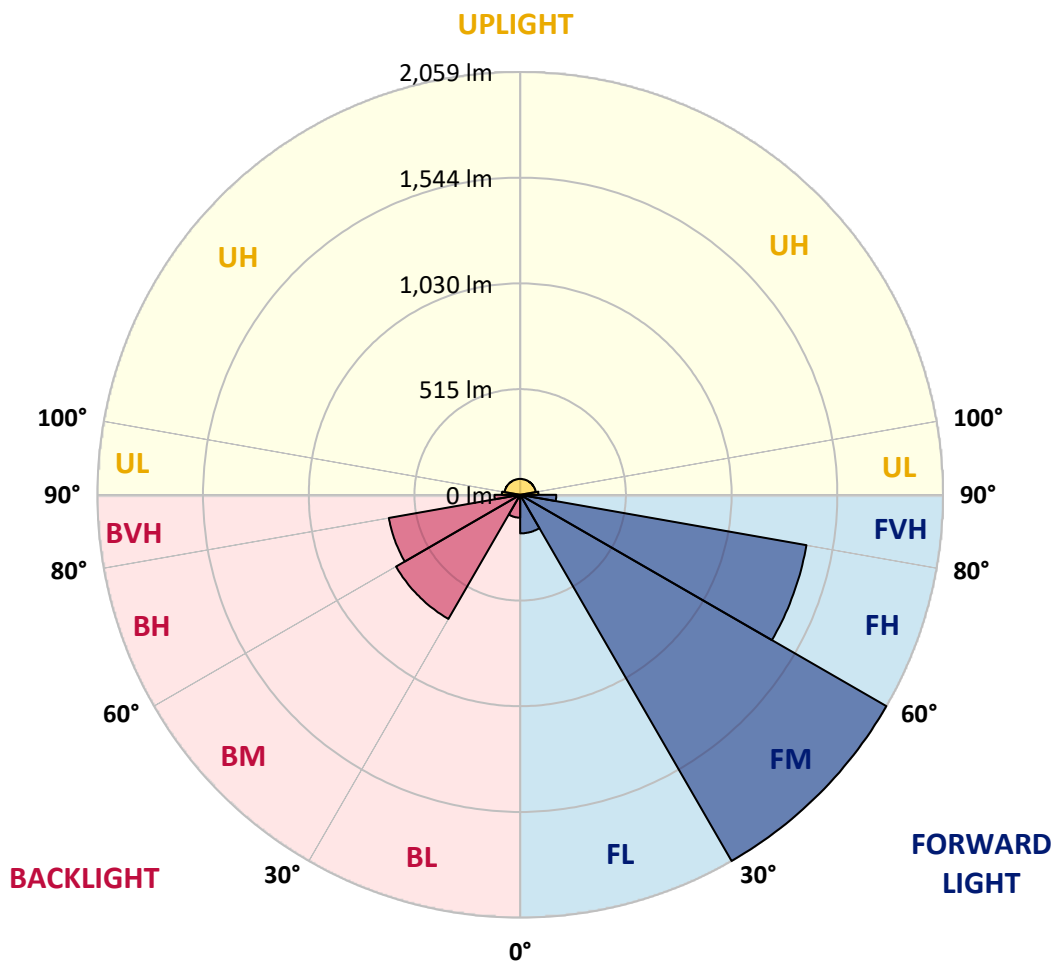
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.9	3.4			
FM (30°-60°)	2059.3	36.9			
FH (60°-80°)	1415.8	25.4			G1/1800
FVH (80°-90°)	175.6	3.1			G2/225
BL (0°-30°)	111.3	2.0	B1/500		
BM (30°-60°)	698.1	12.5	B1/1000		
BH (60°-80°)	649.3	11.6	B2/1000		G2/1000
BVH (80°-90°)	125.0	2.2			G2/225
UL (90°-100°)	89.3	1.6		U3/500	
UH (100°-180°)	77.3	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6
2.5°	181.3	180.0	178.8	177.5	176.2	174.9	172.3	169.1	166.5	166.5	164.0
5°	198.1	196.8	194.8	192.3	189.7	187.1	182.0	176.8	171.7	171.7	167.2
7.5°	218.6	218.0	215.4	212.2	206.4	200.6	194.2	186.5	179.4	178.8	173.0
10°	245.0	243.7	239.9	235.4	228.9	221.2	212.2	202.6	192.3	191.6	184.6
12.5°	281.6	279.1	272.6	265.6	253.4	245.6	235.4	226.3	218.6	216.7	207.1
15°	329.2	326.0	318.9	306.7	290.7	276.5	270.7	261.1	252.7	250.1	241.1
17.5°	390.3	387.1	374.9	355.6	338.9	324.7	311.9	302.2	295.2	294.5	281.6
20°	473.9	466.2	446.3	419.3	397.4	380.0	362.0	351.1	344.0	341.5	333.7
22.5°	576.8	574.9	546.6	511.2	475.2	443.7	423.8	411.5	406.4	407.0	402.5
25°	708.0	702.2	675.2	623.7	569.7	529.9	502.2	494.5	493.9	489.4	487.4
27.5°	848.2	840.4	805.1	755.6	684.2	630.2	599.3	590.9	592.9	587.7	591.6
30°	1019.9	1016.0	964.6	892.5	815.4	744.6	712.5	705.4	709.9	716.3	712.5
32.5°	1232.1	1237.8	1167.8	1070.7	962.6	881.0	845.6	843.0	849.5	848.2	846.2
35°	1490.6	1500.8	1403.7	1286.1	1137.5	1040.4	996.1	992.8	1005.7	1004.4	1005.7
37.5°	1767.1	1771.6	1692.5	1506.0	1333.0	1198.6	1162.0	1158.1	1170.3	1163.3	1156.2
40°	1985.1	2006.3	1913.7	1753.6	1527.9	1390.9	1346.5	1325.3	1314.4	1306.6	1255.2
42.5°	2191.5	2178.6	2113.0	1934.9	1727.8	1578.7	1519.5	1479.6	1444.3	1439.1	1382.5
45°	2326.5	2310.4	2248.1	2083.4	1889.2	1765.8	1711.1	1662.9	1623.0	1605.0	1536.9
47.5°	2334.2	2326.5	2311.7	2188.3	2018.5	1911.1	1893.1	1867.4	1823.6	1824.3	1736.8
50°	2216.5	2204.3	2247.4	2200.5	2082.8	2026.2	2094.4	2122.7	2066.7	2060.9	1970.3
52.5°	2008.2	2001.8	2080.2	2126.5	2084.7	2106.6	2268.6	2371.5	2327.8	2304.6	2187.6
55°	1797.3	1805.0	1873.2	1947.8	2016.6	2129.7	2423.0	2628.1	2541.9	2526.5	2380.5
57.5°	1509.8	1535.6	1637.2	1754.2	1862.2	2097.6	2504.0	2790.8	2768.9	2763.1	2638.4
60°	1194.8	1192.2	1342.7	1513.1	1690.5	1991.5	2508.5	2995.3	3116.8	3089.1	2913.0
62.5°	927.9	934.3	1042.4	1255.8	1493.8	1830.1	2446.8	3086.6	3167.6	3136.1	2982.4
65°	672.0	682.3	814.1	986.4	1255.2	1612.1	2271.2	2962.5	3236.4	3217.1	3130.3
66°	603.8	594.8	710.6	906.0	1161.3	1515.6	2160.6	2887.2	3240.3	3229.3	3125.8
67.5°	485.5	497.1	586.4	756.9	1010.2	1361.9	1960.6	2767.0	3139.9	3125.2	3055.7
70°	359.5	370.4	431.5	567.8	766.5	1086.1	1621.1	2390.2	2903.3	2914.2	2906.5
72.5°	266.2	277.8	319.6	418.0	567.2	807.7	1284.8	2014.6	2482.8	2508.5	2490.5
75°	207.1	211.6	246.3	315.1	414.8	569.1	950.4	1561.3	2021.1	2068.6	2085.4
77.5°	166.5	170.4	198.7	243.1	310.6	415.4	666.2	1163.9	1599.9	1633.3	1664.8
80°	134.4	137.0	160.1	195.5	237.9	297.1	449.5	845.6	1227.6	1246.8	1293.1
82.5°	108.0	110.0	126.7	156.9	190.3	225.7	319.6	590.3	963.9	981.9	1040.4
85°	84.9	86.2	101.0	124.7	153.0	178.8	230.8	417.3	694.5	711.2	781.9
87.5°	66.9	68.2	79.7	97.1	123.5	141.5	170.4	281.0	468.8	492.6	572.9
90°	52.7	53.4	61.7	75.2	95.8	115.1	133.8	196.1	312.5	326.0	371.0
92.5°	39.9	40.5	46.9	57.2	74.6	91.3	102.2	135.7	200.0	205.8	237.9
95°	29.6	30.2	35.4	41.8	55.9	71.4	79.1	95.2	126.0	133.8	142.1
97.5°	23.1	23.8	27.0	30.9	41.2	55.9	63.0	70.1	86.2	88.7	95.2
100°	19.9	19.9	21.9	24.4	30.9	43.7	49.5	55.3	64.9	64.9	68.8
102.5°	16.7	16.7	18.0	19.3	25.1	34.7	39.9	43.7	48.9	49.5	52.7
105°	14.8	14.8	15.4	16.7	21.2	28.3	32.8	34.7	37.9	37.9	39.2
107.5°	12.9	12.9	13.5	14.1	18.6	23.8	26.4	27.0	28.3	28.3	30.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	12.2	12.2	12.2	12.9	16.1	20.6	21.9	21.2	21.9	21.9	23.8
112.5°	11.6	10.9	10.9	11.6	14.8	18.0	18.0	17.4	17.4	17.4	19.3
115°	10.9	10.9	10.3	10.9	13.5	15.4	15.4	14.1	14.1	14.1	16.1
117.5°	10.9	10.9	10.3	10.3	12.2	14.1	13.5	12.2	11.6	12.2	14.1
120°	10.9	10.9	9.6	9.6	11.6	12.2	12.2	10.3	10.3	10.3	12.2
122.5°	10.9	10.9	9.6	9.6	10.9	11.6	10.9	9.0	9.0	9.0	10.9
125°	11.6	10.9	9.6	9.6	10.3	10.3	9.6	8.4	7.7	7.7	9.6
127.5°	11.6	11.6	10.3	9.6	9.6	9.6	9.0	7.7	7.1	7.1	9.0
130°	12.9	12.2	10.9	9.6	9.0	8.4	7.7	7.1	7.1	7.1	8.4
132.5°	12.9	12.9	10.9	9.0	8.4	7.7	7.1	5.8	6.4	6.4	7.7
135°	12.2	11.6	9.6	8.4	7.7	6.4	5.8	5.1	5.8	5.8	7.1
137.5°	10.9	10.3	9.0	7.1	6.4	5.1	4.5	3.9	4.5	4.5	5.8
140°	9.0	9.0	7.1	5.8	5.1	4.5	3.9	2.6	3.2	3.9	4.5
142.5°	7.7	7.1	5.8	4.5	3.9	3.2	2.6	1.9	2.6	2.6	3.2
145°	6.4	5.8	4.5	3.2	2.6	1.9	1.3	1.3	1.3	1.3	1.9
147.5°	5.1	4.5	3.2	1.9	1.3	1.3	0.6	0.6	1.3	1.3	1.3
150°	3.9	3.9	2.6	1.3	0.6	0.6	0.0	0.6	0.6	0.6	0.6
152.5°	3.2	3.2	1.9	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6
2.5°	163.3	162.0	160.8	159.5	158.2	157.5	155.6	154.3	154.3	154.3	153.7
5°	165.3	162.7	159.5	156.9	153.7	151.1	149.2	147.3	146.0	146.0	146.0
7.5°	169.8	167.2	161.4	156.3	151.8	147.9	145.3	143.4	142.8	142.1	142.1
10°	180.0	175.5	167.8	160.1	153.7	148.5	146.0	144.7	144.0	144.0	144.0
12.5°	203.2	196.8	185.2	172.3	161.4	153.7	151.1	151.1	155.0	156.9	156.9
15°	234.1	228.3	214.8	196.8	179.4	166.5	164.6	169.1	174.3	176.8	176.2
17.5°	276.5	268.8	250.8	227.0	203.8	191.0	185.2	189.7	196.1	199.3	199.3
20°	326.7	318.9	294.5	262.4	234.1	219.9	210.9	210.9	219.3	221.8	223.1
22.5°	395.5	383.9	349.2	304.8	268.1	246.3	235.4	233.4	243.1	247.6	246.3
25°	472.6	463.6	423.1	356.9	309.3	273.9	259.1	259.1	271.4	281.6	282.3
27.5°	580.7	558.2	501.6	420.5	349.2	299.7	283.6	286.8	299.7	309.9	309.9
30°	693.8	677.8	594.8	488.1	387.8	323.4	300.3	305.4	317.0	328.6	328.6
32.5°	830.8	803.8	701.6	554.9	423.1	338.9	309.3	316.4	329.9	341.5	341.5
35°	964.6	942.7	808.9	625.0	454.0	345.3	313.2	321.5	337.0	351.1	352.4
37.5°	1120.2	1072.6	913.8	688.0	476.5	346.6	311.9	326.7	347.2	363.3	364.0
40°	1213.4	1156.2	984.5	735.0	486.8	342.1	311.9	330.5	347.9	353.7	353.0
42.5°	1324.0	1252.0	1034.0	740.8	473.9	333.1	311.2	326.0	333.7	333.7	333.1
45°	1472.6	1391.5	1112.5	744.0	447.6	322.2	306.1	315.7	313.8	308.0	306.1
47.5°	1654.5	1556.1	1212.1	755.6	421.8	311.2	300.3	302.9	293.9	281.0	280.4
50°	1871.9	1756.1	1329.2	767.8	399.3	302.2	295.2	292.6	283.6	272.6	271.4
52.5°	2075.7	1936.2	1435.3	776.1	380.7	296.4	291.3	290.7	281.6	267.5	266.2
55°	2260.3	2093.1	1506.6	760.1	364.0	293.9	291.3	291.9	280.4	266.2	264.3
57.5°	2527.1	2343.9	1619.8	736.3	344.0	293.2	293.2	293.9	279.7	266.2	264.3
60°	2759.3	2555.4	1731.1	734.3	324.7	292.6	293.9	293.2	282.9	274.6	272.6
62.5°	2839.0	2644.8	1736.2	688.0	312.5	289.4	291.3	294.5	292.6	288.7	286.8
65°	2989.5	2777.3	1758.1	636.0	295.2	283.6	288.1	296.4	297.7	295.2	293.2
66°	2978.5	2758.6	1736.8	619.9	289.4	280.4	286.2	295.2	297.7	297.1	295.8
67.5°	2924.5	2710.4	1666.7	574.2	281.0	274.6	282.9	291.9	297.7	299.7	298.4
70°	2778.6	2565.1	1527.2	505.4	264.9	261.1	272.6	284.2	293.9	297.1	296.4
72.5°	2367.7	2164.5	1277.7	431.5	242.4	241.8	255.3	269.4	281.0	284.2	282.9
75°	1987.6	1787.6	1049.4	355.6	219.3	219.9	232.8	246.3	255.3	255.3	255.9
77.5°	1593.4	1424.3	831.4	295.2	195.5	195.5	204.5	215.4	221.2	218.6	214.8
80°	1225.6	1113.7	649.5	246.9	171.7	170.4	174.9	183.3	187.8	182.0	177.5
82.5°	989.6	893.2	513.8	205.8	148.5	147.3	149.2	155.0	157.5	151.1	149.2
85°	751.1	664.3	386.5	169.1	128.6	125.4	128.6	129.9	133.1	127.3	123.5
87.5°	531.1	470.7	280.4	140.8	110.0	108.0	107.4	108.7	110.6	106.7	104.8
90°	356.9	313.2	202.6	117.7	93.9	90.7	89.4	89.4	90.7	84.2	82.3
92.5°	228.9	202.6	140.8	93.9	78.5	74.6	72.0	72.7	72.0	65.6	64.3
95°	142.8	129.3	101.6	73.9	63.0	59.8	57.2	56.6	55.9	51.4	50.2
97.5°	93.2	88.7	75.9	58.5	50.2	47.6	46.3	45.7	45.7	42.4	40.5
100°	69.4	67.5	59.8	48.9	41.2	39.2	37.9	37.9	39.2	36.7	35.4
102.5°	54.0	54.7	48.9	41.2	34.7	33.4	32.2	32.2	33.4	32.2	31.5
105°	41.2	41.2	39.9	34.1	29.6	28.9	27.7	27.7	28.9	28.9	28.9
107.5°	32.2	33.4	32.2	28.3	25.7	25.1	23.8	23.8	25.1	25.7	26.4



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.7	27.0	26.4	24.4	22.5	21.9	20.6	19.9	21.2	23.1	23.1
112.5°	20.6	21.9	21.9	20.6	19.3	19.3	18.0	17.4	18.6	20.6	20.6
115°	17.4	18.6	18.6	18.0	17.4	16.7	15.4	14.8	16.1	18.0	18.6
117.5°	14.8	16.1	16.1	16.1	15.4	14.8	13.5	12.9	13.5	15.4	16.1
120°	13.5	14.1	14.1	14.1	13.5	13.5	12.2	11.6	12.2	14.1	14.1
122.5°	11.6	12.2	12.9	12.9	12.2	12.2	10.9	9.6	10.3	12.2	12.9
125°	10.3	10.9	11.6	11.6	10.9	10.9	9.6	9.0	9.6	10.9	11.6
127.5°	9.6	10.3	10.3	10.3	10.3	9.6	8.4	7.7	8.4	10.3	10.3
130°	9.0	9.6	9.6	9.6	9.0	8.4	7.7	7.1	7.7	9.6	9.6
132.5°	8.4	9.0	9.0	8.4	8.4	7.7	6.4	5.8	7.1	8.4	8.4
135°	7.1	7.7	7.7	7.7	7.1	6.4	5.8	5.1	6.4	7.1	7.1
137.5°	5.8	6.4	6.4	6.4	5.8	5.1	4.5	4.5	5.1	6.4	6.4
140°	4.5	5.1	5.1	5.1	4.5	4.5	3.9	3.2	4.5	5.1	5.1
142.5°	3.2	3.9	3.9	3.9	3.2	3.2	2.6	2.6	3.9	4.5	4.5
145°	1.9	2.6	2.6	2.6	2.6	1.9	1.9	1.9	2.6	3.2	3.2
147.5°	1.3	1.9	1.9	1.9	1.9	1.3	0.6	1.3	1.9	2.6	2.6
150°	0.6	1.3	1.3	1.3	1.3	0.6	0.0	0.6	1.3	1.9	1.9
152.5°	0.6	0.6	1.3	1.3	0.6	0.6	0.0	0.0	0.6	0.6	0.6
155°	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.0
157.5°	0.0	0.0	0.0	0.6	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)