

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: P415721

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415721
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-PA1-50-830-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 4865 lumens
Efficiency: N/A
Efficacy: 90.1 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

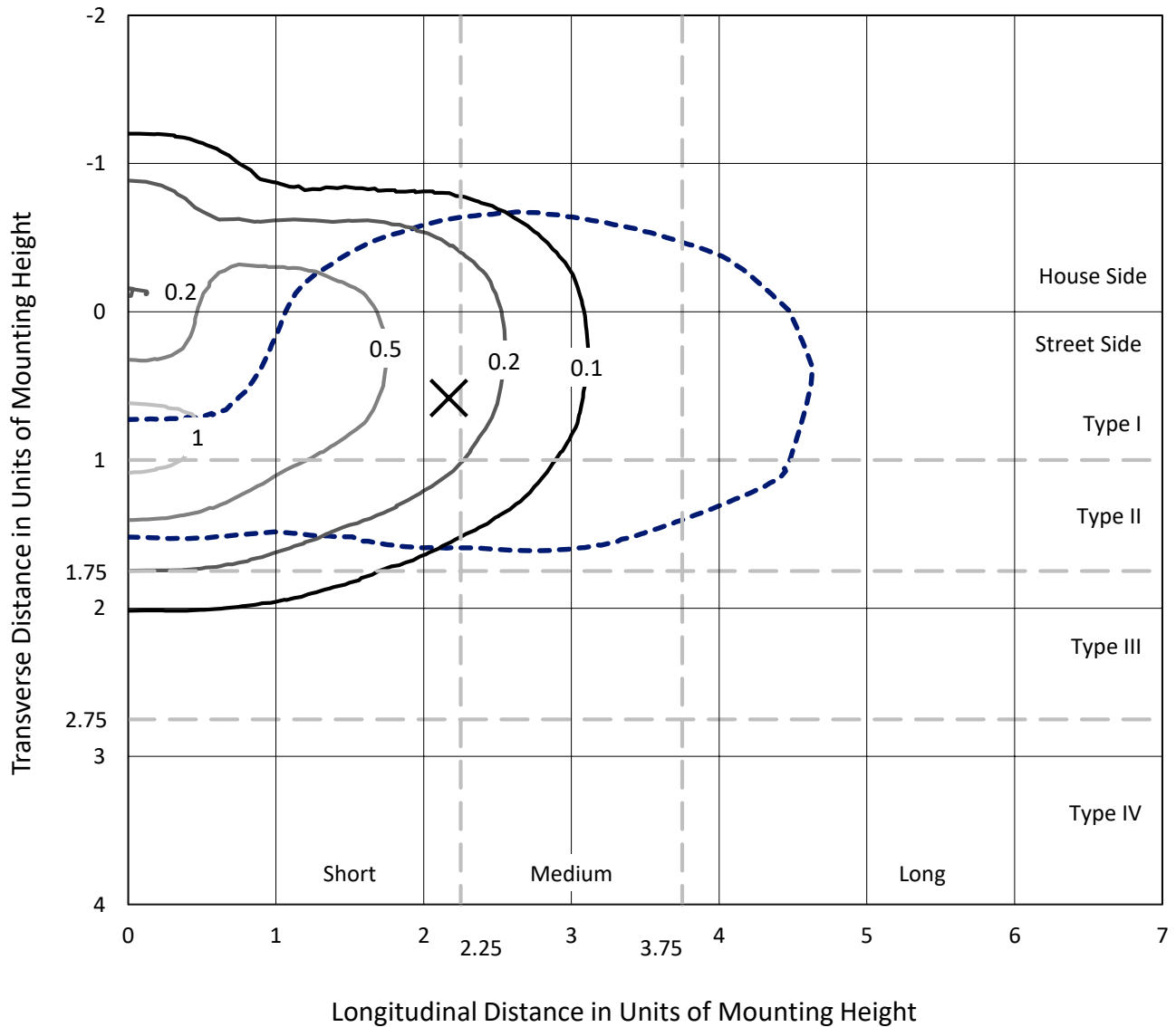
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

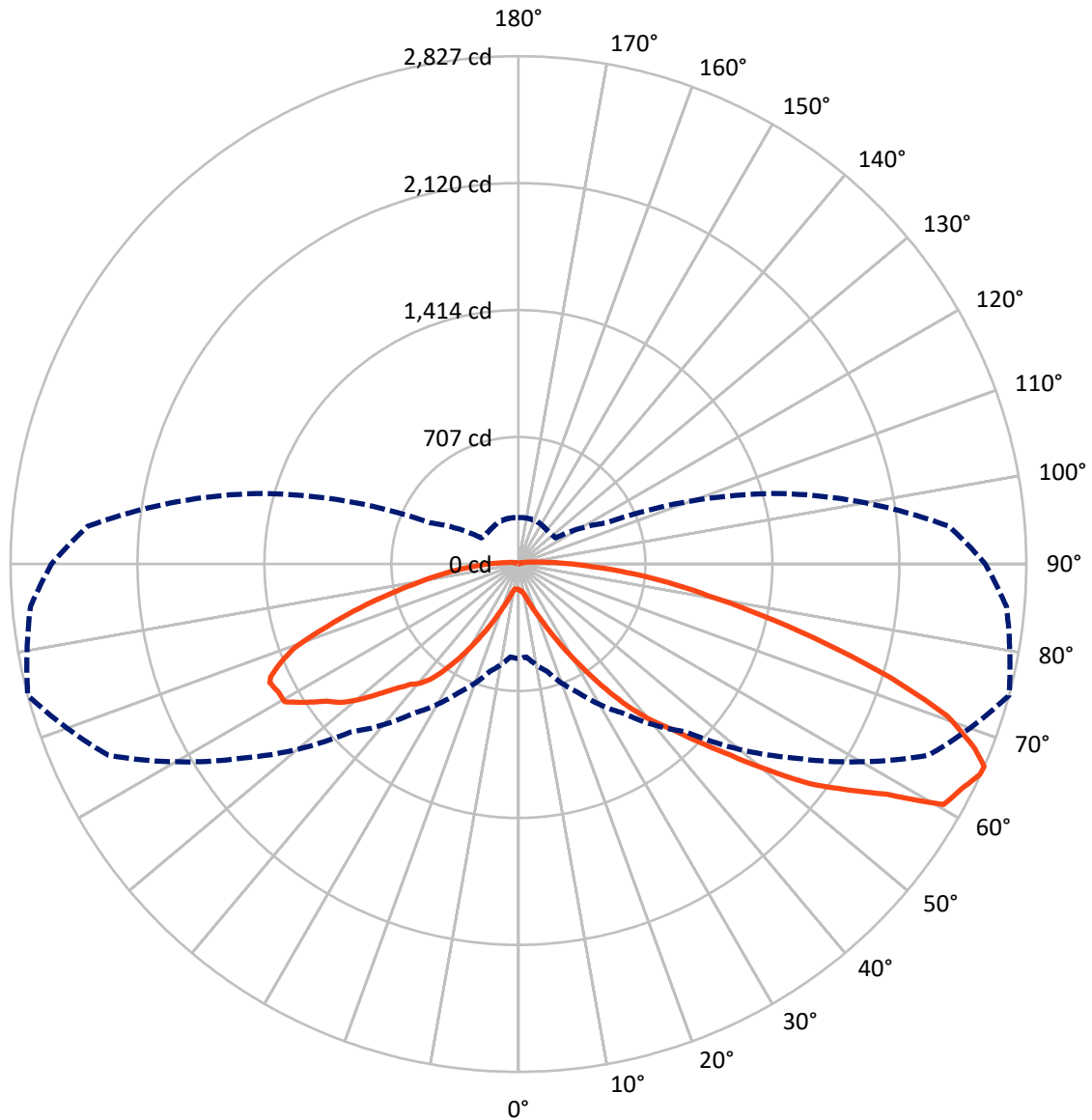
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type 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	1381.8	67.5	1449.2
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	3349.1	66.7	3415.8
	% Fixture	68.8	1.4	70.2
Total	Lumens	4730.8	134.2	4865.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.3
10°-20°	61.1	1.3
20°-30°	185.4	3.8
30°-40°	458.6	9.4
40°-50°	828.2	17.0
50°-60°	1119.0	23.0
60°-70°	1123.3	23.1
70°-80°	678.4	13.9
80°-90°	262.3	5.4
90°-100°	77.9	1.6
100°-110°	28.1	0.6
110°-120°	13.6	0.3
120°-130°	8.0	0.2
130°-140°	4.8	0.1
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4730.8	97.2
0°-180°	4865.0	100.0



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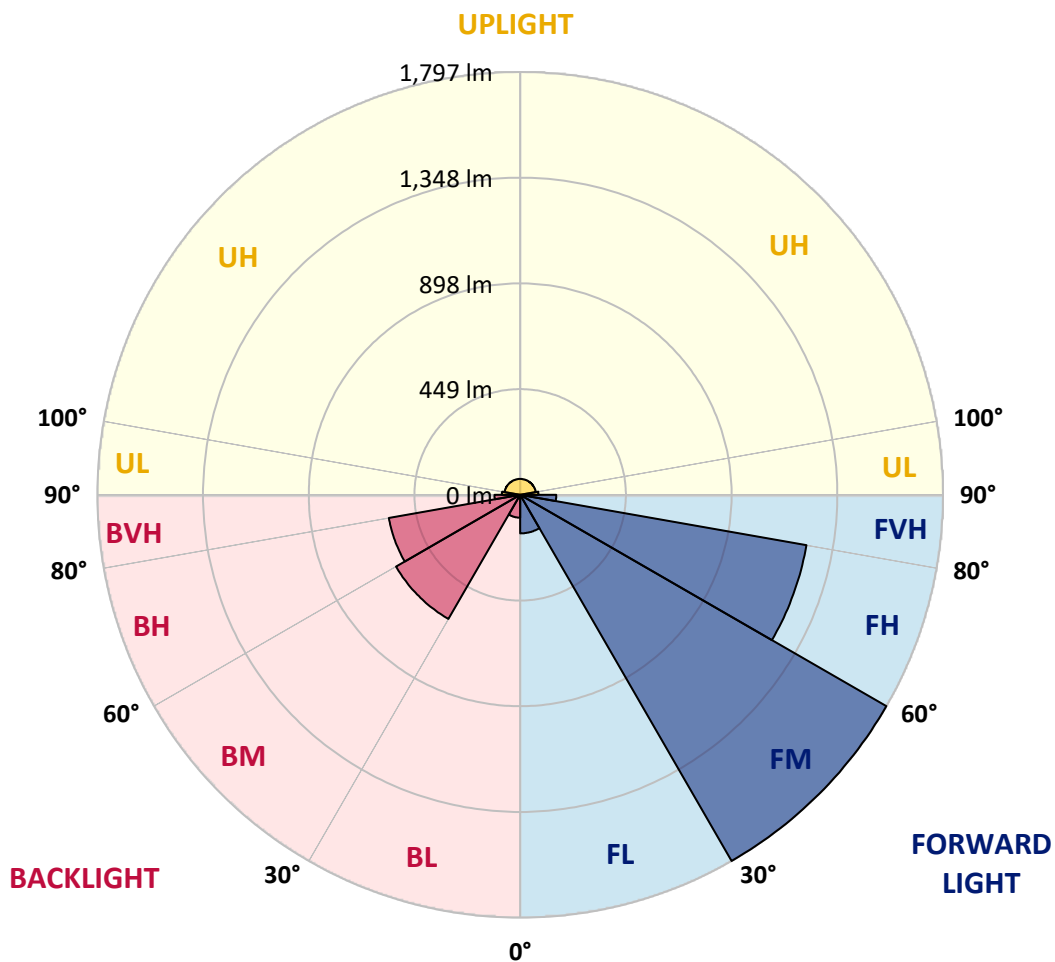
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.9	3.4			
FM (30°-60°)	1796.7	36.9			
FH (60°-80°)	1235.3	25.4			G1/1800
FVH (80°-90°)	153.2	3.1			G2/225
BL (0°-30°)	97.1	2.0	B0/110		
BM (30°-60°)	609.1	12.5	B1/1000		
BH (60°-80°)	566.5	11.6	B2/1000		G2/1000
BVH (80°-90°)	109.1	2.2			G2/225
UL (90°-100°)	77.9	1.6		U3/500	
UH (100°-180°)	67.5	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°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
2.5°	158.2	157.1	156.0	154.8	153.7	152.6	150.4	147.6	145.3	145.3	143.1
5°	172.8	171.7	170.0	167.8	165.5	163.3	158.8	154.3	149.8	149.8	145.9
7.5°	190.8	190.2	187.9	185.1	180.1	175.0	169.4	162.7	156.5	156.0	150.9
10°	213.8	212.6	209.3	205.3	199.7	193.0	185.1	176.7	167.8	167.2	161.0
12.5°	245.7	243.5	237.9	231.7	221.1	214.3	205.3	197.5	190.8	189.1	180.7
15°	287.3	284.4	278.3	267.6	253.6	241.2	236.2	227.8	220.5	218.2	210.4
17.5°	340.6	337.7	327.1	310.3	295.7	283.3	272.1	263.7	257.5	257.0	245.7
20°	413.5	406.8	389.4	365.8	346.7	331.6	315.9	306.3	300.2	297.9	291.2
22.5°	503.3	501.6	476.9	446.0	414.6	387.1	369.7	359.1	354.6	355.1	351.2
25°	617.7	612.7	589.1	544.2	497.1	462.3	438.2	431.4	430.9	427.0	425.3
27.5°	740.0	733.3	702.4	659.2	596.9	549.8	522.9	515.6	517.3	512.8	516.2
30°	889.8	886.4	841.6	778.7	711.4	649.7	621.6	615.5	619.4	625.0	621.6
32.5°	1075.0	1080.0	1018.9	934.1	839.9	768.6	737.8	735.5	741.1	740.0	738.3
35°	1300.5	1309.5	1224.8	1122.1	992.5	907.8	869.1	866.2	877.5	876.3	877.5
37.5°	1541.7	1545.7	1476.7	1314.0	1163.0	1045.8	1013.8	1010.4	1021.1	1014.9	1008.8
40°	1731.9	1750.5	1669.7	1530.0	1333.0	1213.5	1174.8	1156.3	1146.8	1140.0	1095.2
42.5°	1912.0	1900.8	1843.6	1688.2	1507.5	1377.4	1325.7	1291.0	1260.1	1255.6	1206.2
45°	2029.8	2015.8	1961.4	1817.8	1648.3	1540.6	1492.9	1450.9	1416.1	1400.4	1340.9
47.5°	2036.6	2029.8	2016.9	1909.2	1761.1	1667.4	1651.7	1629.3	1591.1	1591.7	1515.4
50°	1933.9	1923.3	1960.8	1919.9	1817.2	1767.8	1827.3	1852.0	1803.2	1798.1	1719.0
52.5°	1752.1	1746.5	1815.0	1855.4	1818.9	1838.0	1979.4	2069.1	2031.0	2010.8	1908.7
55°	1568.1	1574.8	1634.3	1699.4	1759.4	1858.2	2114.0	2293.0	2217.8	2204.3	2077.0
57.5°	1317.3	1339.8	1428.4	1530.5	1624.8	1830.1	2184.7	2434.9	2415.8	2410.8	2302.0
60°	1042.4	1040.2	1171.5	1320.1	1475.0	1737.5	2188.6	2613.3	2719.4	2695.2	2541.5
62.5°	809.6	815.2	909.4	1095.7	1303.3	1596.7	2134.8	2693.0	2763.7	2736.2	2602.1
65°	586.3	595.3	710.3	860.6	1095.2	1406.5	1981.6	2584.7	2823.7	2806.9	2731.2
66°	526.8	519.0	620.0	790.5	1013.2	1322.4	1885.1	2519.1	2827.1	2817.6	2727.2
67.5°	423.6	433.7	511.7	660.3	881.4	1188.3	1710.6	2414.2	2739.6	2726.7	2666.1
70°	313.6	323.2	376.5	495.4	668.8	947.6	1414.4	2085.4	2533.1	2542.6	2535.9
72.5°	232.3	242.4	278.8	364.7	494.8	704.7	1121.0	1757.7	2166.2	2188.6	2172.9
75°	180.7	184.6	214.9	274.9	361.9	496.5	829.2	1362.2	1763.4	1804.9	1819.5
77.5°	145.3	148.7	173.4	212.1	271.0	362.4	581.2	1015.5	1395.9	1425.0	1452.5
80°	117.3	119.5	139.7	170.6	207.6	259.2	392.2	737.8	1071.0	1087.9	1128.3
82.5°	94.3	95.9	110.5	136.9	166.1	196.9	278.8	515.0	841.0	856.7	907.8
85°	74.1	75.2	88.1	108.8	133.5	156.0	201.4	364.1	605.9	620.5	682.2
87.5°	58.3	59.5	69.6	84.7	107.7	123.4	148.7	245.2	409.0	429.8	499.9
90°	46.0	46.6	53.9	65.6	83.6	100.4	116.7	171.1	272.7	284.4	323.7
92.5°	34.8	35.3	41.0	49.9	65.1	79.7	89.2	118.4	174.5	179.5	207.6
95°	25.8	26.4	30.9	36.5	48.8	62.3	69.0	83.0	110.0	116.7	124.0
97.5°	20.2	20.8	23.6	26.9	35.9	48.8	55.0	61.2	75.2	77.4	83.0
100°	17.4	17.4	19.1	21.3	26.9	38.2	43.2	48.2	56.7	56.7	60.0
102.5°	14.6	14.6	15.7	16.8	21.9	30.3	34.8	38.2	42.6	43.2	46.0
105°	12.9	12.9	13.5	14.6	18.5	24.7	28.6	30.3	33.1	33.1	34.2
107.5°	11.2	11.2	11.8	12.3	16.3	20.8	23.0	23.6	24.7	24.7	26.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	10.7	10.7	10.7	11.2	14.0	18.0	19.1	18.5	19.1	19.1	20.8
112.5°	10.1	9.5	9.5	10.1	12.9	15.7	15.7	15.1	15.1	15.1	16.8
115°	9.5	9.5	9.0	9.5	11.8	13.5	13.5	12.3	12.3	12.3	14.0
117.5°	9.5	9.5	9.0	9.0	10.7	12.3	11.8	10.7	10.1	10.7	12.3
120°	9.5	9.5	8.4	8.4	10.1	10.7	10.7	9.0	9.0	9.0	10.7
122.5°	9.5	9.5	8.4	8.4	9.5	10.1	9.5	7.9	7.9	7.9	9.5
125°	10.1	9.5	8.4	8.4	9.0	9.0	8.4	7.3	6.7	6.7	8.4
127.5°	10.1	10.1	9.0	8.4	8.4	8.4	7.9	6.7	6.2	6.2	7.9
130°	11.2	10.7	9.5	8.4	7.9	7.3	6.7	6.2	6.2	6.2	7.3
132.5°	11.2	11.2	9.5	7.9	7.3	6.7	6.2	5.0	5.6	5.6	6.7
135°	10.7	10.1	8.4	7.3	6.7	5.6	5.0	4.5	5.0	5.0	6.2
137.5°	9.5	9.0	7.9	6.2	5.6	4.5	3.9	3.4	3.9	3.9	5.0
140°	7.9	7.9	6.2	5.0	4.5	3.9	3.4	2.2	2.8	3.4	3.9
142.5°	6.7	6.2	5.0	3.9	3.4	2.8	2.2	1.7	2.2	2.2	2.8
145°	5.6	5.0	3.9	2.8	2.2	1.7	1.1	1.1	1.1	1.1	1.7
147.5°	4.5	3.9	2.8	1.7	1.1	1.1	0.6	0.6	1.1	1.1	1.1
150°	3.4	3.4	2.2	1.1	0.6	0.6	0.0	0.6	0.6	0.6	0.6
152.5°	2.8	2.8	1.7	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	1.7	1.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	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°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
2.5°	142.5	141.4	140.3	139.1	138.0	137.5	135.8	134.7	134.7	134.7	134.1
5°	144.2	141.9	139.1	136.9	134.1	131.8	130.2	128.5	127.4	127.4	127.4
7.5°	148.1	145.9	140.8	136.3	132.4	129.0	126.8	125.1	124.6	124.0	124.0
10°	157.1	153.2	146.4	139.7	134.1	129.6	127.4	126.2	125.7	125.7	125.7
12.5°	177.3	171.7	161.6	150.4	140.8	134.1	131.8	131.8	135.2	136.9	136.9
15°	204.2	199.2	187.4	171.7	156.5	145.3	143.6	147.6	152.0	154.3	153.7
17.5°	241.2	234.5	218.8	198.0	177.9	166.6	161.6	165.5	171.1	173.9	173.9
20°	285.0	278.3	257.0	228.9	204.2	191.9	184.0	184.0	191.3	193.6	194.7
22.5°	345.0	334.9	304.6	265.9	234.0	214.9	205.3	203.7	212.1	216.0	214.9
25°	412.4	404.5	369.2	311.4	269.9	239.0	226.1	226.1	236.8	245.7	246.3
27.5°	506.6	487.0	437.6	366.9	304.6	261.4	247.4	250.2	261.4	270.4	270.4
30°	605.4	591.3	519.0	425.8	338.3	282.2	262.0	266.5	276.6	286.7	286.7
32.5°	724.9	701.3	612.1	484.2	369.2	295.7	269.9	276.0	287.8	297.9	297.9
35°	841.6	822.5	705.8	545.3	396.1	301.3	273.2	280.5	294.0	306.3	307.5
37.5°	977.3	935.8	797.2	600.3	415.7	302.4	272.1	285.0	303.0	317.0	317.5
40°	1058.7	1008.8	859.0	641.3	424.7	298.5	272.1	288.4	303.5	308.6	308.0
42.5°	1155.2	1092.3	902.2	646.3	413.5	290.6	271.5	284.4	291.2	291.2	290.6
45°	1284.8	1214.1	970.6	649.1	390.5	281.1	267.1	275.5	273.8	268.7	267.1
47.5°	1443.6	1357.7	1057.6	659.2	368.0	271.5	262.0	264.3	256.4	245.2	244.6
50°	1633.2	1532.2	1159.7	669.9	348.4	263.7	257.5	255.3	247.4	237.9	236.8
52.5°	1811.0	1689.3	1252.2	677.2	332.1	258.6	254.2	253.6	245.7	233.4	232.3
55°	1972.1	1826.2	1314.5	663.2	317.5	256.4	254.2	254.7	244.6	232.3	230.6
57.5°	2204.9	2045.0	1413.3	642.4	300.2	255.8	255.8	256.4	244.1	232.3	230.6
60°	2407.4	2229.6	1510.3	640.7	283.3	255.3	256.4	255.8	246.9	239.6	237.9
62.5°	2477.0	2307.6	1514.8	600.3	272.7	252.5	254.2	257.0	255.3	251.9	250.2
65°	2608.3	2423.1	1533.9	554.9	257.5	247.4	251.3	258.6	259.8	257.5	255.8
66°	2598.7	2406.9	1515.4	540.8	252.5	244.6	249.7	257.5	259.8	259.2	258.1
67.5°	2551.6	2364.8	1454.2	501.0	245.2	239.6	246.9	254.7	259.8	261.4	260.3
70°	2424.3	2238.0	1332.5	441.0	231.1	227.8	237.9	248.0	256.4	259.2	258.6
72.5°	2065.8	1888.5	1114.8	376.5	211.5	211.0	222.7	235.1	245.2	248.0	246.9
75°	1734.2	1559.7	915.6	310.3	191.3	191.9	203.1	214.9	222.7	222.7	223.3
77.5°	1390.3	1242.7	725.4	257.5	170.6	170.6	178.4	187.9	193.0	190.8	187.4
80°	1069.3	971.7	566.7	215.4	149.8	148.7	152.6	159.9	163.8	158.8	154.8
82.5°	863.4	779.3	448.3	179.5	129.6	128.5	130.2	135.2	137.5	131.8	130.2
85°	655.3	579.6	337.2	147.6	112.2	109.4	112.2	113.3	116.1	111.1	107.7
87.5°	463.4	410.7	244.6	122.9	95.9	94.3	93.7	94.8	96.5	93.1	91.4
90°	311.4	273.2	176.7	102.7	81.9	79.1	78.0	78.0	79.1	73.5	71.8
92.5°	199.7	176.7	122.9	81.9	68.4	65.1	62.8	63.4	62.8	57.2	56.1
95°	124.6	112.8	88.6	64.5	55.0	52.2	49.9	49.4	48.8	44.9	43.8
97.5°	81.4	77.4	66.2	51.1	43.8	41.5	40.4	39.8	39.8	37.0	35.3
100°	60.6	58.9	52.2	42.6	35.9	34.2	33.1	33.1	34.2	32.0	30.9
102.5°	47.1	47.7	42.6	35.9	30.3	29.2	28.1	28.1	29.2	28.1	27.5
105°	35.9	35.9	34.8	29.7	25.8	25.2	24.1	24.1	25.2	25.2	25.2
107.5°	28.1	29.2	28.1	24.7	22.4	21.9	20.8	20.8	21.9	22.4	23.0



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.4	23.6	23.0	21.3	19.6	19.1	18.0	17.4	18.5	20.2	20.2
112.5°	18.0	19.1	19.1	18.0	16.8	16.8	15.7	15.1	16.3	18.0	18.0
115°	15.1	16.3	16.3	15.7	15.1	14.6	13.5	12.9	14.0	15.7	16.3
117.5°	12.9	14.0	14.0	14.0	13.5	12.9	11.8	11.2	11.8	13.5	14.0
120°	11.8	12.3	12.3	12.3	11.8	11.8	10.7	10.1	10.7	12.3	12.3
122.5°	10.1	10.7	11.2	11.2	10.7	10.7	9.5	8.4	9.0	10.7	11.2
125°	9.0	9.5	10.1	10.1	9.5	9.5	8.4	7.9	8.4	9.5	10.1
127.5°	8.4	9.0	9.0	9.0	9.0	8.4	7.3	6.7	7.3	9.0	9.0
130°	7.9	8.4	8.4	8.4	7.9	7.3	6.7	6.2	6.7	8.4	8.4
132.5°	7.3	7.9	7.9	7.3	7.3	6.7	5.6	5.0	6.2	7.3	7.3
135°	6.2	6.7	6.7	6.7	6.2	5.6	5.0	4.5	5.6	6.2	6.2
137.5°	5.0	5.6	5.6	5.6	5.0	4.5	3.9	3.9	4.5	5.6	5.6
140°	3.9	4.5	4.5	4.5	3.9	3.9	3.4	2.8	3.9	4.5	4.5
142.5°	2.8	3.4	3.4	3.4	2.8	2.8	2.2	2.2	3.4	3.9	3.9
145°	1.7	2.2	2.2	2.2	2.2	1.7	1.7	1.7	2.2	2.8	2.8
147.5°	1.1	1.7	1.7	1.7	1.7	1.1	0.6	1.1	1.7	2.2	2.2
150°	0.6	1.1	1.1	1.1	1.1	0.6	0.0	0.6	1.1	1.7	1.7
152.5°	0.6	0.6	1.1	1.1	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)