

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: P255115

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6054 lumens
Efficiency: N/A
Efficacy: 94.6 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

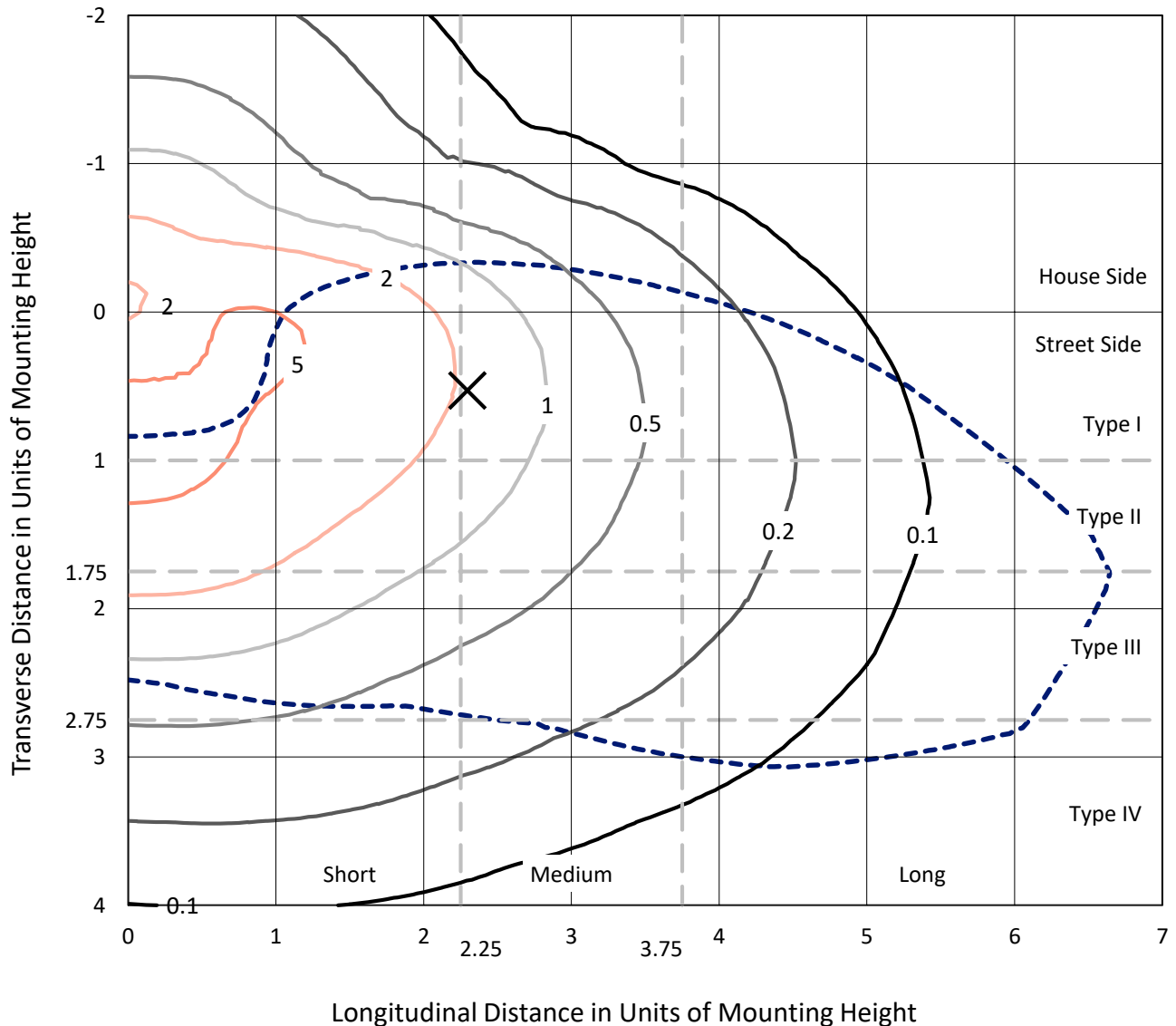


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

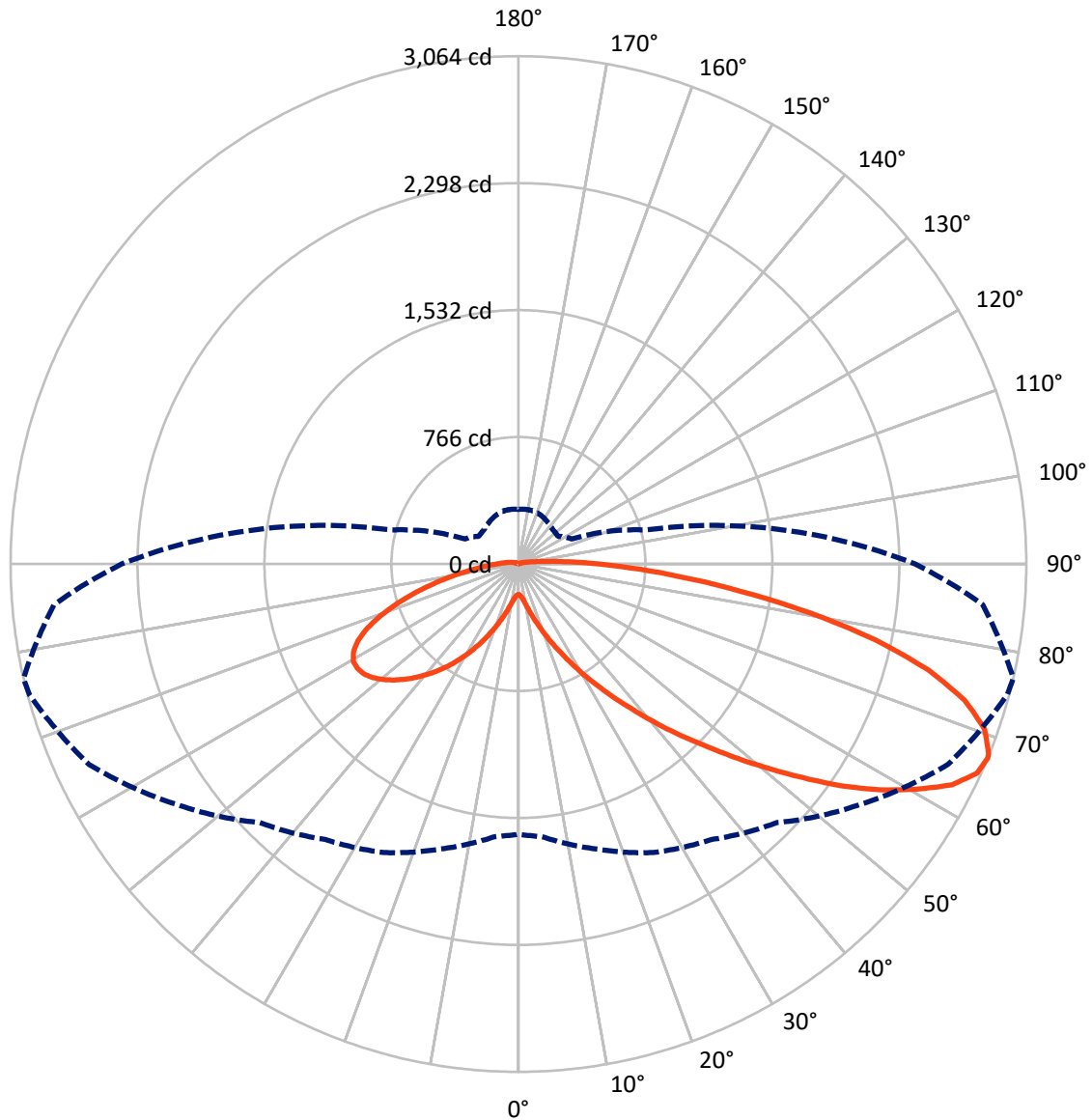


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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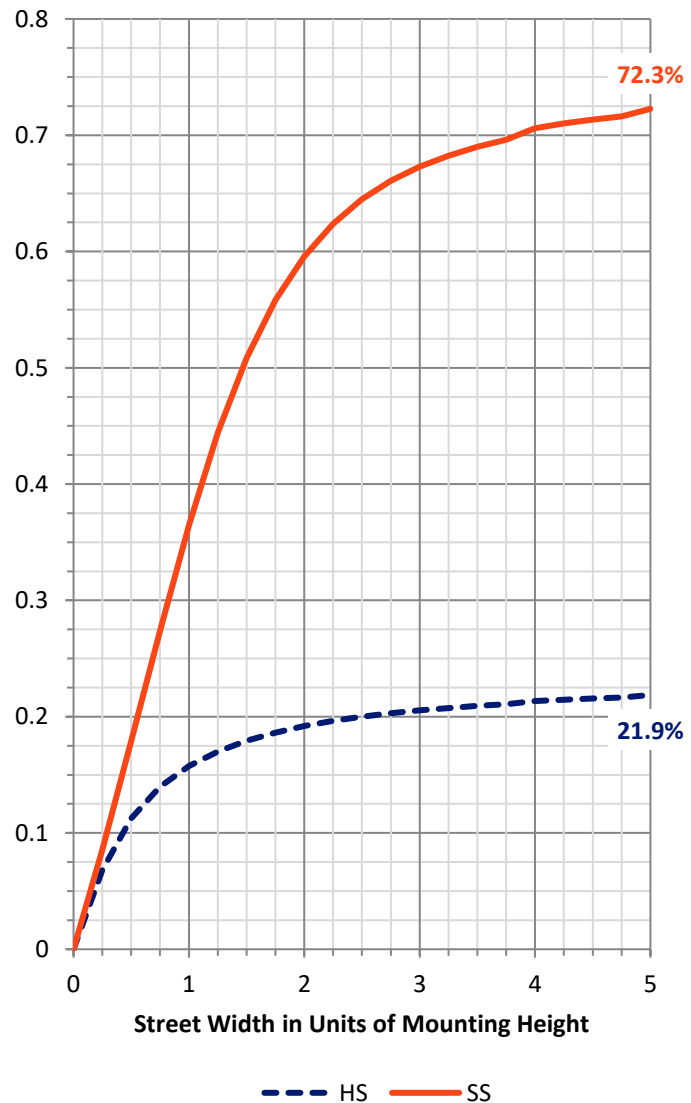
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1382.4	83.5	1465.9
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	4488.6	99.5	4588.1
	% Fixture	74.1	1.6	75.8
Total	Lumens	5871.0	183.0	6054.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	89.6	1.5
20°-30°	235.5	3.9
30°-40°	481.3	8.0
40°-50°	834.3	13.8
50°-60°	1237.5	20.4
60°-70°	1436.1	23.7
70°-80°	1084.8	17.9
80°-90°	452.1	7.5
90°-100°	119.9	2.0
100°-110°	39.0	0.6
110°-120°	15.4	0.3
120°-130°	5.8	0.1
130°-140°	2.2	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5871.0	97.0
0°-180°	6054.0	100.0



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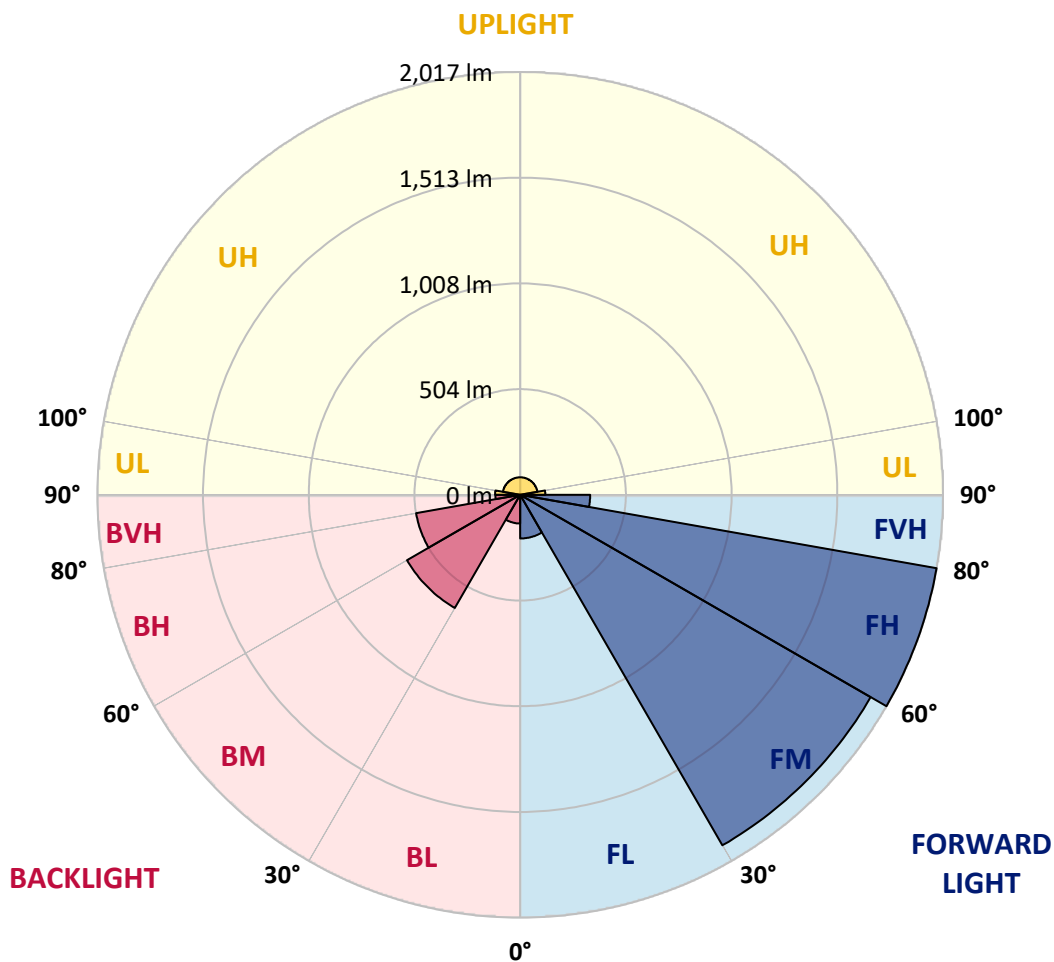
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.1	3.4			
FM	(30°-60°)	1929.9	31.9			
FH	(60°-80°)	2016.8	33.3			G2/5000
FVH	(80°-90°)	333.9	5.5			G3/500
BL	(0°-30°)	136.9	2.3	B1/500		
BM	(30°-60°)	623.3	10.3	B1/1000		
BH	(60°-80°)	504.1	8.3	B2/1000		G2/1000
BVH	(80°-90°)	118.2	2.0			G2/225
UL	(90°-100°)	119.9	2.0		U3/500	
UH	(100°-180°)	83.5	1.4		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°	77°	85°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	194.4	194.4	195.9	195.1	195.1	193.7	193.0	190.7	189.3	189.3	188.6
5°	208.9	208.9	209.6	210.4	208.9	208.1	206.0	203.1	200.9	200.9	199.5
7.5°	230.5	230.5	229.8	230.5	229.8	228.4	225.5	224.1	219.7	220.3	218.3
10°	261.6	261.6	260.1	261.6	258.0	256.5	254.3	252.3	247.2	248.6	245.0
12.5°	305.7	305.7	304.3	302.1	297.0	294.1	292.7	291.2	287.0	287.7	283.3
15°	358.5	357.8	356.3	353.5	345.5	341.9	338.2	336.1	332.4	333.9	329.5
17.5°	420.6	419.2	414.1	409.8	401.8	396.1	391.0	388.9	384.5	385.2	379.4
20°	492.2	490.7	484.2	477.7	466.2	458.3	453.1	448.1	443.7	448.1	437.2
22.5°	576.8	578.2	564.5	554.4	537.0	526.8	520.4	516.0	511.7	515.2	503.0
25°	673.6	672.8	657.6	644.6	620.0	602.8	593.4	590.4	588.3	591.2	582.5
27.5°	784.9	782.0	765.4	737.9	710.4	683.8	671.4	673.6	672.8	675.0	666.4
30°	908.5	907.1	883.9	844.9	808.7	772.6	761.0	760.3	766.8	771.2	753.8
32.5°	1045.1	1046.4	1015.4	964.9	911.3	871.6	860.8	862.2	870.9	870.1	857.1
35°	1196.1	1196.1	1163.6	1100.0	1029.1	977.9	965.6	979.3	984.3	985.8	966.3
37.5°	1357.3	1355.2	1324.8	1242.4	1161.4	1094.2	1072.5	1089.9	1109.4	1107.3	1087.0
40°	1529.9	1524.2	1484.5	1392.7	1294.4	1213.5	1188.8	1215.6	1243.8	1245.2	1220.7
42.5°	1694.8	1689.7	1648.5	1550.3	1432.4	1349.4	1321.8	1351.5	1392.0	1395.6	1351.5
45°	1849.4	1848.7	1811.2	1710.0	1581.3	1485.2	1457.7	1496.8	1553.1	1553.1	1506.9
47.5°	1995.4	1986.8	1962.2	1861.0	1739.6	1626.1	1599.3	1653.6	1731.6	1733.8	1679.7
50°	2107.5	2101.7	2089.4	1997.6	1874.1	1771.4	1746.8	1827.8	1918.8	1926.8	1860.2
52.5°	2184.7	2178.9	2188.4	2116.9	2005.6	1914.4	1905.8	2006.3	2124.8	2137.7	2058.3
55°	2215.1	2217.3	2247.7	2200.7	2112.5	2040.2	2071.3	2195.7	2335.9	2361.1	2257.1
57.5°	2199.9	2206.5	2259.9	2249.8	2188.4	2141.5	2223.1	2379.2	2547.6	2571.4	2452.3
60°	2120.5	2134.2	2212.9	2239.7	2216.6	2231.7	2357.5	2565.0	2748.5	2759.4	2639.3
62.5°	1991.1	2006.3	2109.6	2178.9	2194.2	2264.3	2455.8	2721.1	2915.5	2934.2	2759.4
65°	1807.4	1829.2	1944.2	2064.8	2125.5	2254.1	2520.2	2822.2	3021.7	3041.2	2820.1
67°	1629.7	1651.5	1778.6	1921.0	2029.4	2206.5	2525.2	2859.9	3052.8	3064.4	2812.2
67.5°	1581.3	1603.7	1730.8	1879.8	1999.0	2187.7	2520.8	2863.4	3052.8	3060.1	2801.3
70°	1316.8	1346.4	1475.8	1647.1	1804.6	2057.6	2457.2	2817.9	2998.6	2984.9	2668.9
72.5°	1041.5	1068.9	1195.4	1376.7	1557.5	1861.0	2314.1	2683.5	2833.7	2817.1	2451.4
75°	778.4	801.5	922.9	1099.2	1290.8	1603.1	2090.1	2465.2	2571.4	2554.2	2150.9
77.5°	557.2	576.1	680.8	842.7	1019.7	1321.8	1788.8	2155.9	2222.4	2202.1	1785.9
80°	383.1	405.5	480.6	625.2	777.0	1034.2	1442.5	1756.3	1802.4	1781.5	1395.6
82.5°	252.9	265.3	331.7	448.8	575.2	784.2	1102.9	1362.4	1402.2	1351.5	1034.9
85°	164.8	167.7	218.3	308.5	414.8	569.5	808.7	1001.0	1019.1	981.4	736.4
87.5°	101.2	105.6	141.0	202.3	286.2	401.1	571.7	699.6	702.5	672.2	497.2
90°	65.0	68.0	90.3	131.5	194.4	273.1	385.2	464.7	462.5	438.6	317.3
92.5°	44.8	46.2	62.9	90.3	126.5	180.0	247.2	293.5	289.1	275.4	200.2
95°	32.6	34.0	46.2	65.8	88.2	118.5	153.9	177.8	172.7	164.1	125.7
97.5°	23.8	25.3	35.4	49.8	65.8	81.6	99.0	106.2	104.8	100.4	83.8
100°	18.0	19.5	27.5	39.0	51.4	60.7	69.4	70.2	68.0	66.5	60.7
102.5°	15.2	16.0	22.4	32.6	41.9	48.4	52.0	51.4	48.4	47.7	44.8
105°	13.0	13.7	19.5	27.5	34.8	40.4	41.9	39.8	36.2	35.4	34.0
107.5°	11.6	11.6	16.6	23.8	30.4	34.0	34.8	31.0	26.8	26.0	25.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	10.2	10.2	14.4	20.2	26.0	29.0	29.0	24.6	18.8	18.0	18.8
112.5°	8.6	9.4	12.2	17.4	22.4	24.6	23.8	19.5	13.7	13.0	13.7
115°	7.9	7.9	10.8	15.2	18.8	21.0	19.5	14.4	10.2	9.4	10.2
117.5°	7.2	7.2	9.4	13.0	16.0	17.4	16.0	11.6	7.2	7.2	7.9
120°	6.5	6.5	7.9	10.8	13.7	14.4	12.2	8.6	5.8	5.8	6.5
122.5°	5.8	5.8	7.2	9.4	11.6	11.6	10.2	6.5	4.4	4.4	5.0
125°	5.0	5.8	6.5	7.9	9.4	9.4	7.9	5.0	3.6	4.4	5.0
127.5°	5.0	5.0	5.8	6.5	7.9	7.9	6.5	3.6	3.6	3.6	4.4
130°	4.4	4.4	5.0	5.8	6.5	6.5	5.0	2.8	3.6	3.6	4.4
132.5°	4.4	4.4	4.4	5.0	5.0	5.0	3.6	2.8	2.8	3.6	3.6
135°	3.6	3.6	3.6	4.4	4.4	3.6	2.1	2.1	2.8	2.8	3.6
137.5°	2.8	2.8	3.6	2.8	2.8	2.8	2.1	2.1	2.8	2.8	2.8
140°	2.8	2.8	2.8	2.1	2.1	1.4	1.4	2.1	2.1	2.8	2.8
142.5°	1.4	2.1	2.1	1.4	1.4	0.8	1.4	1.4	2.1	2.1	2.1
145°	0.8	0.8	1.4	0.8	0.8	0.8	0.8	1.4	1.4	2.1	2.1
147.5°	0.0	0.8	0.8	0.8	0.0	0.0	0.8	0.8	1.4	1.4	1.4
150°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.4	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	187.9	187.2	184.9	183.5	182.9	182.1	181.4	180.8	180.8	180.8	180.8
5°	198.0	197.3	193.7	190.7	188.6	186.5	184.9	183.5	182.9	182.1	181.4
7.5°	216.2	213.9	209.6	204.6	199.5	195.1	192.3	190.7	188.6	187.9	187.2
10°	242.9	240.7	232.7	224.1	216.2	209.6	204.6	201.7	200.2	198.8	198.8
12.5°	279.7	278.3	264.5	253.7	238.5	228.4	222.6	220.3	219.7	218.3	218.9
15°	323.7	320.9	302.8	286.2	265.9	253.7	245.0	241.4	240.0	237.7	238.5
17.5°	374.3	364.9	344.0	318.7	294.1	278.9	267.3	260.9	258.7	257.3	258.0
20°	430.1	420.6	388.9	352.7	323.1	303.5	287.7	279.7	276.8	276.8	276.8
22.5°	494.3	482.1	438.0	389.5	350.5	323.1	305.0	297.0	294.1	294.1	294.9
25°	568.0	547.8	491.4	428.7	376.5	339.7	320.9	312.3	310.1	310.1	310.8
27.5°	648.2	620.8	546.4	464.1	395.3	351.3	331.0	323.7	322.4	322.4	323.1
30°	735.8	699.6	602.8	495.8	409.8	358.5	336.7	331.0	330.3	331.0	331.0
32.5°	828.3	787.0	658.4	522.5	419.2	362.0	340.5	336.7	336.1	337.5	336.1
35°	928.7	873.7	714.0	544.2	424.9	362.8	341.9	339.7	339.7	339.7	338.9
37.5°	1037.1	964.1	765.4	560.1	424.9	361.3	341.1	340.5	340.5	338.9	337.5
40°	1161.4	1062.4	813.1	569.5	420.6	357.1	339.7	339.7	338.9	336.1	334.7
42.5°	1282.1	1164.2	858.6	571.0	413.4	351.3	337.5	338.9	337.5	331.7	330.3
45°	1416.5	1274.8	899.1	568.8	403.2	345.5	335.3	338.2	335.3	328.1	326.6
47.5°	1572.7	1394.1	934.5	560.1	390.3	338.9	332.4	336.1	334.7	325.9	324.5
50°	1733.1	1513.4	962.7	547.8	377.3	333.1	330.3	335.3	333.9	324.5	323.1
52.5°	1900.8	1636.9	982.9	528.3	363.5	327.3	328.1	334.7	334.7	325.3	323.7
55°	2066.9	1749.0	992.3	503.6	349.1	322.4	325.9	334.7	336.7	327.3	325.9
57.5°	2220.2	1839.4	987.2	475.6	335.3	316.6	324.5	333.9	338.2	329.5	328.1
60°	2348.1	1918.8	965.6	445.2	323.7	311.5	322.4	333.9	338.9	332.4	331.0
62.5°	2426.2	1947.0	921.5	412.7	312.3	305.7	318.7	332.4	338.2	333.1	331.7
65°	2441.4	1925.3	858.6	381.7	301.3	299.3	312.9	328.1	336.1	333.1	331.0
67°	2393.7	1861.0	792.7	357.1	291.9	292.7	307.9	323.7	333.1	332.4	329.5
67.5°	2372.7	1837.2	776.2	350.5	290.5	290.5	306.5	322.4	332.4	331.7	329.5
70°	2232.5	1694.1	680.8	320.1	278.9	281.2	297.0	315.1	325.9	326.6	325.3
72.5°	2009.2	1493.9	584.6	291.2	265.9	268.9	284.7	302.8	315.1	316.6	314.3
75°	1715.1	1258.2	489.3	265.3	251.6	253.7	269.6	287.0	299.9	302.1	299.9
77.5°	1417.9	1006.8	399.7	240.7	234.2	237.7	251.6	267.3	279.7	281.2	279.7
80°	1084.8	763.9	318.7	217.5	215.3	218.9	230.5	244.3	255.1	256.5	255.1
82.5°	796.4	560.1	252.3	194.4	193.7	197.3	206.7	219.7	228.4	229.1	226.9
85°	568.0	395.3	200.9	169.2	170.6	172.0	180.8	190.7	198.0	198.8	194.4
87.5°	380.9	269.6	156.8	145.4	146.7	146.7	151.8	160.4	165.5	164.8	161.1
90°	248.6	183.5	126.5	123.6	124.3	124.3	126.5	132.2	136.6	134.4	132.2
92.5°	160.4	128.6	104.2	105.6	105.6	104.2	104.8	109.2	111.3	109.2	107.7
95°	109.2	94.7	86.8	88.9	89.6	86.8	86.8	88.9	90.3	87.4	85.3
97.5°	78.7	72.9	71.6	75.2	74.4	72.2	70.8	71.6	72.2	68.7	67.2
100°	59.2	57.8	58.6	62.9	62.2	60.0	58.6	57.8	57.2	53.4	52.8
102.5°	46.2	45.6	48.4	52.0	51.4	49.1	47.7	47.0	45.6	41.2	41.2
105°	35.4	36.2	39.8	43.3	42.6	41.2	39.8	38.4	35.4	31.8	31.8
107.5°	26.8	28.2	32.6	36.2	35.4	34.0	32.6	31.0	27.5	24.6	24.6



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.2	21.7	26.0	29.6	29.0	28.2	26.8	24.6	21.0	18.8	18.0
112.5°	15.2	16.6	21.0	23.8	23.8	23.2	21.7	19.5	16.0	14.4	13.7
115°	11.6	13.0	16.6	18.8	18.8	18.0	17.4	15.2	11.6	10.8	10.8
117.5°	9.4	10.2	13.0	15.2	15.2	14.4	13.7	11.6	8.6	8.6	8.6
120°	7.2	7.9	10.2	11.6	11.6	10.8	10.2	8.6	6.5	6.5	6.5
122.5°	6.5	6.5	7.9	9.4	8.6	8.6	7.9	6.5	5.0	5.0	5.0
125°	5.0	5.8	6.5	7.2	6.5	6.5	5.8	5.0	4.4	4.4	4.4
127.5°	5.0	5.0	5.0	5.0	5.0	5.0	4.4	3.6	2.8	3.6	3.6
130°	4.4	4.4	4.4	4.4	3.6	3.6	2.8	2.1	2.1	2.8	2.8
132.5°	4.4	4.4	4.4	3.6	2.8	2.1	2.1	1.4	2.1	2.1	2.1
135°	3.6	3.6	3.6	2.8	2.1	1.4	0.8	0.8	1.4	1.4	1.4
137.5°	3.6	3.6	2.8	2.8	2.1	0.8	0.0	0.8	0.8	0.8	0.8
140°	2.8	2.8	2.8	2.1	1.4	0.8	0.0	0.0	0.8	0.8	0.0
142.5°	2.8	2.8	2.1	1.4	0.8	0.0	0.0	0.0	0.8	0.0	0.0
145°	2.1	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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)