

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: P255124

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255124
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 6403.7 lumens
Efficiency: N/A
Efficacy: 100.1 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

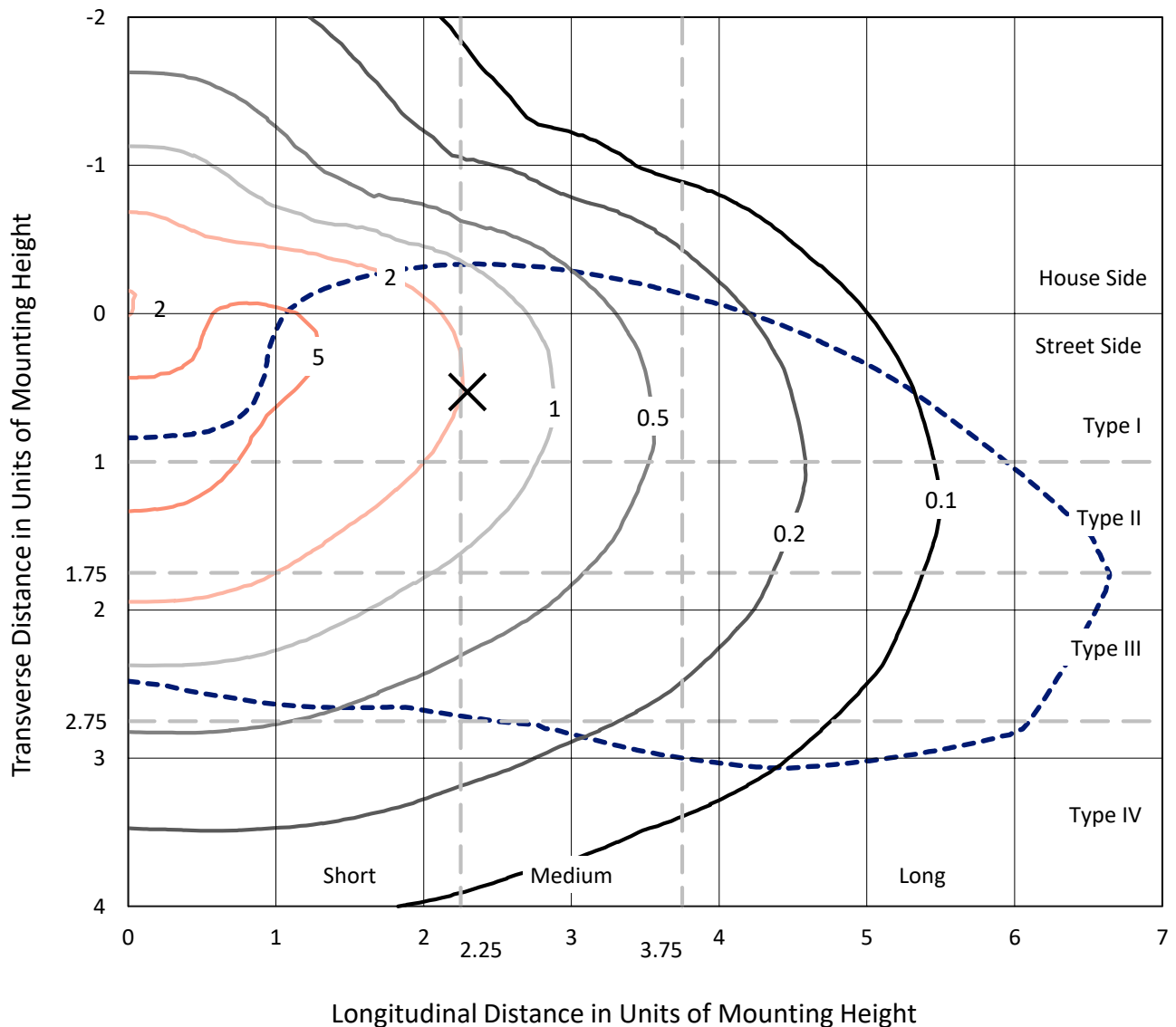
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

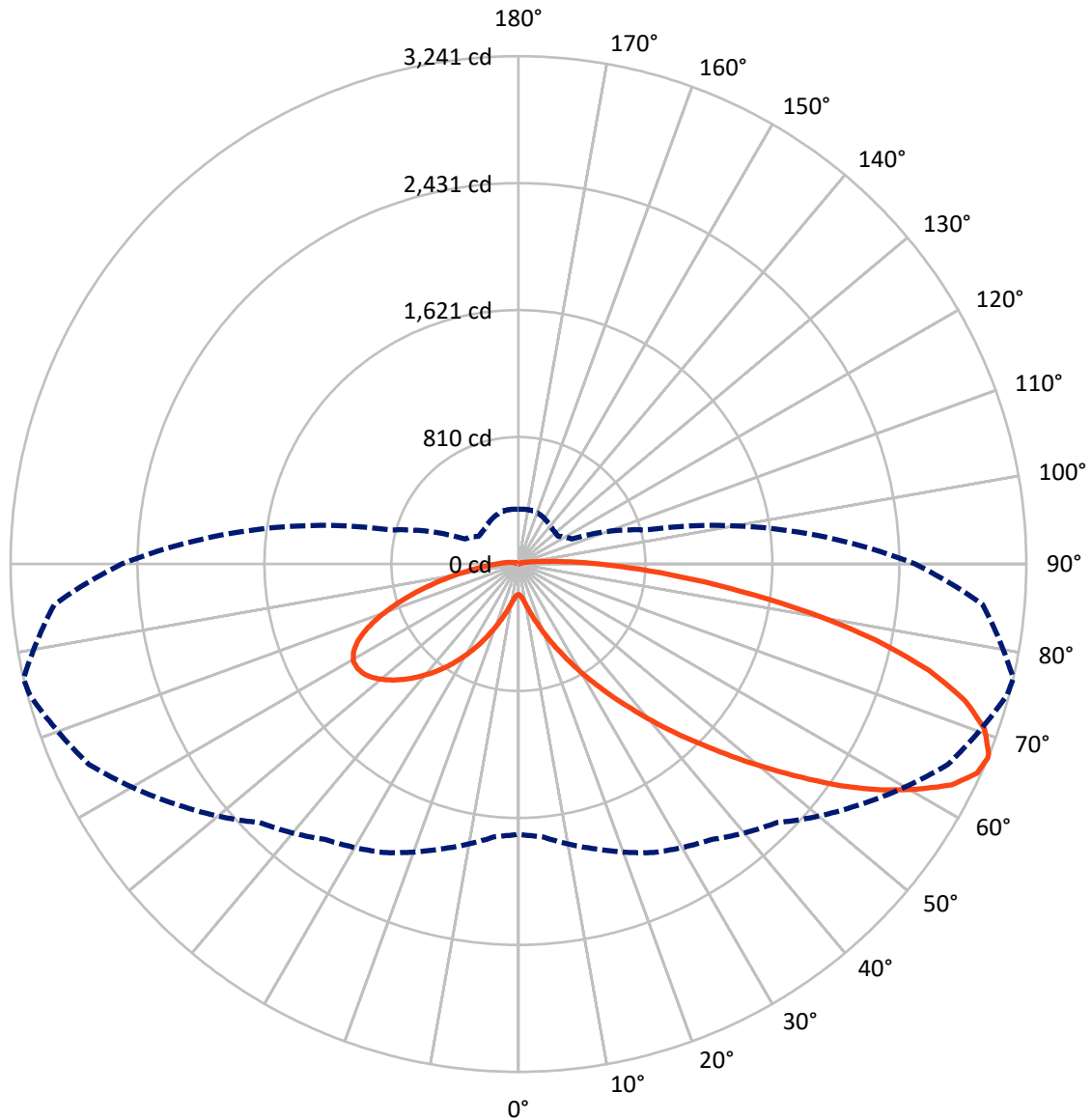


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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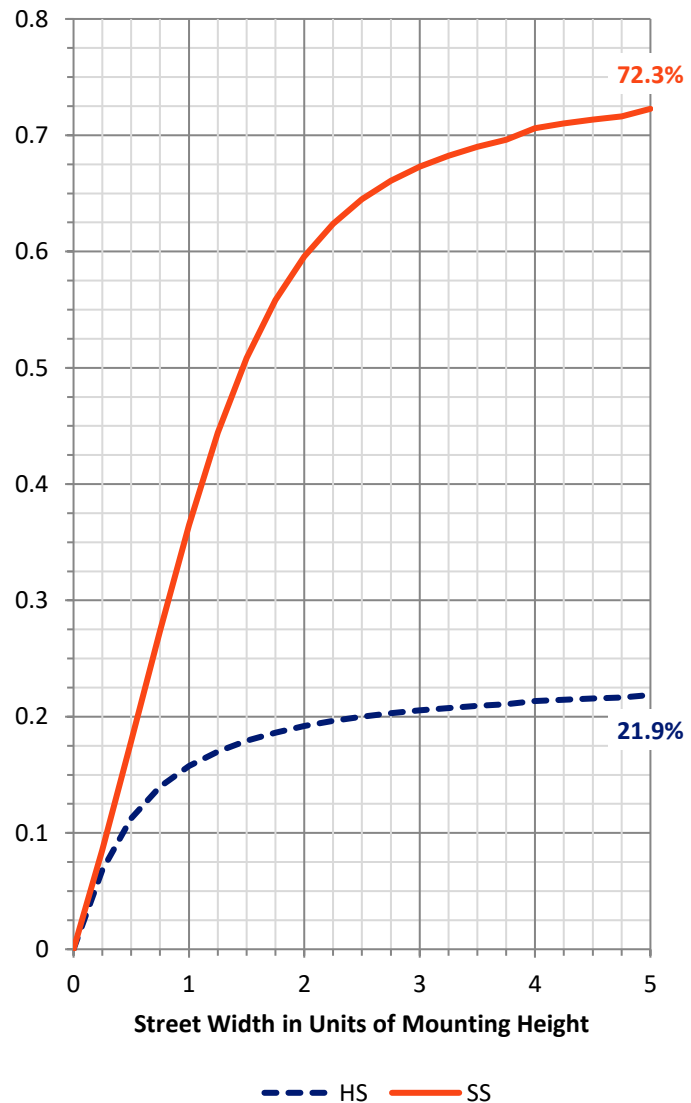
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1462.3	88.3	1550.5
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	4747.8	105.3	4853.1
	% Fixture	74.1	1.6	75.8
Total	Lumens	6210.1	193.5	6403.7
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	0.3
10°-20°	94.7	1.5
20°-30°	249.1	3.9
30°-40°	509.1	8.0
40°-50°	882.5	13.8
50°-60°	1308.9	20.4
60°-70°	1519.0	23.7
70°-80°	1147.4	17.9
80°-90°	478.2	7.5
90°-100°	126.8	2.0
100°-110°	41.2	0.6
110°-120°	16.3	0.3
120°-130°	6.2	0.1
130°-140°	2.3	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6210.1	97.0
0°-180°	6403.7	100.0



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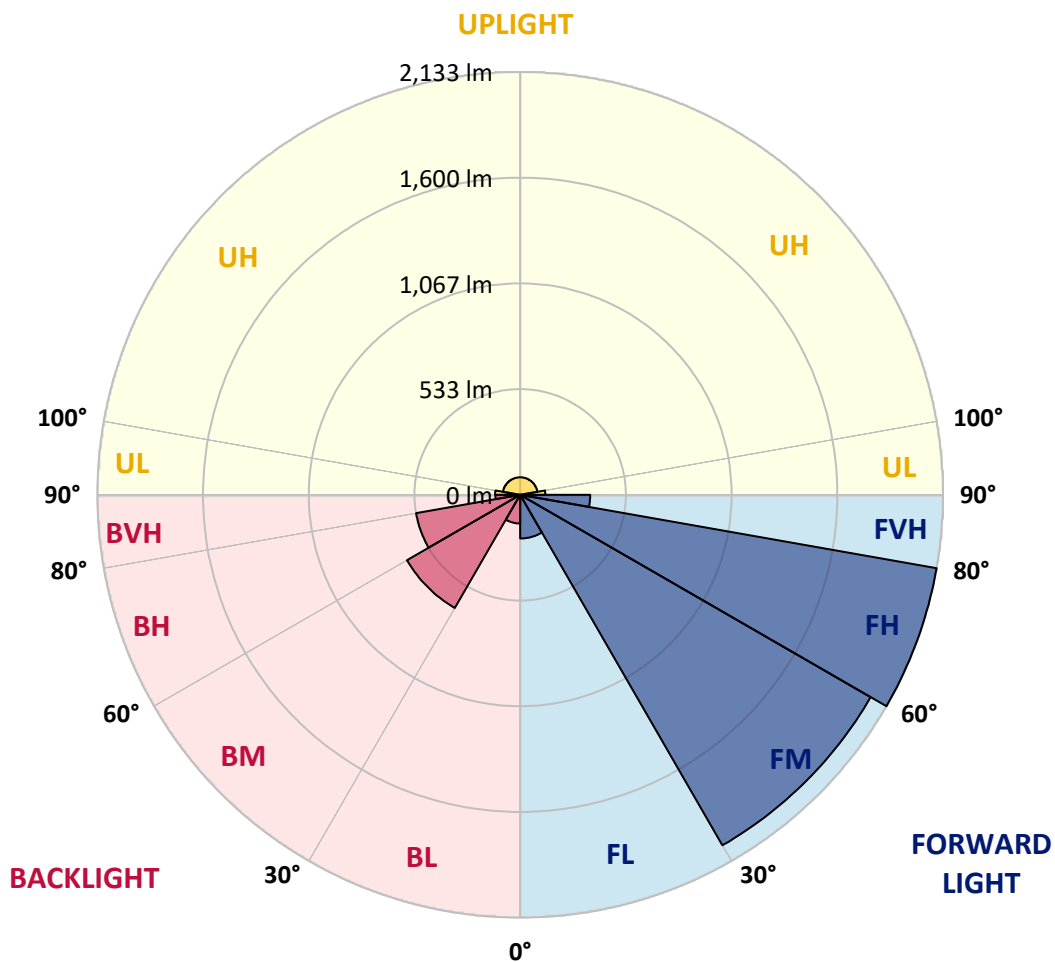
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.1	3.4			
FM (30°-60°)	2041.3	31.9			
FH (60°-80°)	2133.2	33.3			G2/5000
FVH (80°-90°)	353.2	5.5			G3/500
BL (0°-30°)	144.8	2.3	B1/500		
BM (30°-60°)	659.3	10.3	B1/1000		
BH (60°-80°)	533.2	8.3	B2/1000		G2/1000
BVH (80°-90°)	125.0	2.0			G2/225
UL (90°-100°)	126.8	2.0		U3/500	
UH (100°-180°)	88.3	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°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	205.6	205.6	207.1	206.4	206.4	204.9	204.1	201.8	200.3	200.3	199.5
5°	221.0	221.0	221.7	222.5	221.0	220.1	217.9	214.8	212.6	212.6	211.0
7.5°	243.9	243.9	243.1	243.9	243.1	241.5	238.6	237.0	232.4	233.1	230.9
10°	276.7	276.7	275.2	276.7	272.9	271.4	269.1	266.8	261.5	263.0	259.1
12.5°	323.4	323.4	321.8	319.6	314.1	311.2	309.6	308.1	303.5	304.2	299.6
15°	379.2	378.4	376.9	373.8	365.4	361.6	357.7	355.5	351.7	353.2	348.6
17.5°	444.9	443.3	438.0	433.4	425.0	418.9	413.6	411.3	406.7	407.4	401.3
20°	520.6	519.0	512.2	505.3	493.1	484.7	479.4	473.9	469.3	473.9	462.5
22.5°	610.1	611.5	597.0	586.4	568.0	557.3	550.4	545.8	541.2	545.0	532.0
25°	712.5	711.7	695.7	681.9	655.9	637.6	627.6	624.6	622.3	625.3	616.1
27.5°	830.2	827.2	809.6	780.5	751.5	723.2	710.1	712.5	711.7	714.0	704.8
30°	961.0	959.4	935.0	893.6	855.4	817.2	805.0	804.2	811.1	815.7	797.3
32.5°	1105.4	1106.9	1074.1	1020.6	964.0	922.0	910.4	912.0	921.2	920.5	906.6
35°	1265.2	1265.2	1230.8	1163.5	1088.6	1034.3	1021.3	1035.8	1041.2	1042.7	1022.1
37.5°	1435.6	1433.4	1401.2	1314.1	1228.5	1157.4	1134.5	1152.8	1173.4	1171.2	1149.8
40°	1618.4	1612.3	1570.2	1473.2	1369.1	1283.5	1257.5	1285.8	1315.6	1317.2	1291.2
42.5°	1792.6	1787.3	1743.7	1639.8	1515.2	1427.2	1398.2	1429.6	1472.3	1476.2	1429.6
45°	1956.3	1955.5	1915.8	1808.7	1672.6	1570.9	1541.9	1583.2	1642.9	1642.9	1593.9
47.5°	2110.7	2101.6	2075.5	1968.5	1840.1	1720.0	1691.8	1749.0	1831.7	1833.9	1776.6
50°	2229.2	2223.1	2210.1	2113.0	1982.3	1873.7	1847.7	1933.3	2029.6	2038.0	1967.7
52.5°	2310.9	2304.8	2314.7	2239.1	2121.4	2025.0	2015.9	2122.1	2247.5	2261.2	2177.1
55°	2343.1	2345.3	2377.4	2327.8	2234.5	2158.1	2191.0	2322.4	2470.7	2497.5	2387.4
57.5°	2327.0	2333.9	2390.4	2379.8	2314.7	2265.1	2351.5	2516.6	2694.8	2719.9	2593.8
60°	2242.9	2257.4	2340.8	2369.1	2344.6	2360.7	2493.6	2713.1	2907.2	2918.7	2791.8
62.5°	2106.1	2122.1	2231.5	2304.8	2320.9	2395.0	2597.7	2878.2	3083.8	3103.7	2918.7
65°	1911.9	1934.8	2056.4	2184.1	2248.2	2384.4	2665.7	2985.2	3196.2	3216.9	2982.9
67°	1723.9	1746.8	1881.3	2031.9	2146.6	2333.9	2671.0	3025.0	3229.0	3241.3	2974.5
67.5°	1672.6	1696.4	1830.9	1988.3	2114.5	2314.0	2666.4	3028.8	3229.0	3236.7	2963.1
70°	1392.8	1424.2	1561.0	1742.2	1908.8	2176.4	2599.1	2980.7	3171.8	3157.2	2823.1
72.5°	1101.6	1130.7	1264.4	1456.3	1647.4	1968.5	2447.8	2838.5	2997.5	2979.9	2593.1
75°	823.4	847.8	976.2	1162.8	1365.3	1695.5	2210.8	2607.6	2719.9	2701.6	2275.0
77.5°	589.4	609.3	720.2	891.4	1078.7	1398.2	1892.0	2280.4	2350.7	2329.3	1889.0
80°	405.2	428.8	508.4	661.2	821.8	1093.9	1525.8	1857.7	1906.6	1884.4	1476.2
82.5°	267.6	280.6	350.9	474.8	608.6	829.4	1166.6	1441.0	1483.1	1429.6	1094.7
85°	174.3	177.4	230.9	326.4	438.8	602.4	855.4	1058.8	1077.9	1038.1	779.0
87.5°	107.0	111.6	149.0	214.0	302.7	424.3	604.7	740.0	743.1	711.0	525.9
90°	68.8	71.8	95.5	139.1	205.6	289.0	407.4	491.5	489.3	464.0	335.6
92.5°	47.4	48.9	66.5	95.5	133.8	190.4	261.5	310.4	305.8	291.2	211.8
95°	34.4	35.9	48.9	69.6	93.3	125.4	162.9	188.0	182.7	173.5	133.0
97.5°	25.3	26.8	37.4	52.8	69.6	86.3	104.8	112.4	110.9	106.3	88.7
100°	19.1	20.7	29.1	41.3	54.3	64.2	73.3	74.2	71.8	70.4	64.2
102.5°	16.1	16.8	23.7	34.4	44.3	51.2	55.0	54.3	51.2	50.4	47.4
105°	13.8	14.5	20.7	29.1	36.7	42.8	44.3	42.0	38.3	37.4	35.9
107.5°	12.3	12.3	17.6	25.3	32.1	35.9	36.7	32.8	28.3	27.5	26.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	10.7	10.7	15.2	21.4	27.5	30.6	30.6	26.0	19.8	19.1	19.8
112.5°	9.2	9.9	13.0	18.3	23.7	26.0	25.3	20.7	14.5	13.8	14.5
115°	8.4	8.4	11.5	16.1	19.8	22.2	20.7	15.2	10.7	9.9	10.7
117.5°	7.7	7.7	9.9	13.8	16.8	18.3	16.8	12.3	7.7	7.7	8.4
120°	6.9	6.9	8.4	11.5	14.5	15.2	13.0	9.2	6.1	6.1	6.9
122.5°	6.1	6.1	7.7	9.9	12.3	12.3	10.7	6.9	4.6	4.6	5.3
125°	5.3	6.1	6.9	8.4	9.9	9.9	8.4	5.3	3.8	4.6	5.3
127.5°	5.3	5.3	6.1	6.9	8.4	8.4	6.9	3.8	3.8	3.8	4.6
130°	4.6	4.6	5.3	6.1	6.9	6.9	5.3	3.1	3.8	3.8	4.6
132.5°	4.6	4.6	4.6	5.3	5.3	5.3	3.8	3.1	3.1	3.8	3.8
135°	3.8	3.8	3.8	4.6	4.6	3.8	2.3	2.3	3.1	3.1	3.8
137.5°	3.1	3.1	3.8	3.1	3.1	3.1	2.3	2.3	3.1	3.1	3.1
140°	3.1	3.1	3.1	2.3	2.3	1.5	1.5	2.3	2.3	3.1	3.1
142.5°	1.5	2.3	2.3	1.5	1.5	0.7	1.5	1.5	2.3	2.3	2.3
145°	0.7	0.7	1.5	0.7	0.7	0.7	0.7	1.5	1.5	2.3	2.3
147.5°	0.0	0.7	0.7	0.7	0.0	0.0	0.7	0.7	1.5	1.5	1.5
150°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	1.5	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	198.8	198.0	195.7	194.2	193.4	192.6	191.9	191.1	191.1	191.1	191.1
5°	209.5	208.7	204.9	201.8	199.5	197.2	195.7	194.2	193.4	192.6	191.9
7.5°	228.5	226.3	221.7	216.4	211.0	206.4	203.4	201.8	199.5	198.8	198.0
10°	256.9	254.6	246.1	237.0	228.5	221.7	216.4	213.3	211.8	210.2	210.2
12.5°	295.8	294.3	279.8	268.3	252.3	241.5	235.5	233.1	232.4	230.9	231.6
15°	342.5	339.4	320.3	302.7	281.3	268.3	259.1	255.3	253.8	251.5	252.3
17.5°	396.0	386.1	363.9	337.2	311.2	295.1	282.8	276.0	273.6	272.1	272.9
20°	454.8	444.9	411.3	373.1	341.7	321.1	304.2	295.8	292.8	292.8	292.8
22.5°	522.9	509.9	463.3	412.0	370.7	341.7	322.6	314.1	311.2	311.2	311.9
25°	600.9	579.5	519.9	453.4	398.2	359.3	339.4	330.2	328.0	328.0	328.7
27.5°	685.7	656.6	578.0	490.8	418.2	371.5	350.2	342.5	340.9	340.9	341.7
30°	778.3	740.0	637.6	524.5	433.4	379.2	356.2	350.2	349.3	350.2	350.2
32.5°	876.1	832.5	696.4	552.7	443.3	383.0	360.1	356.2	355.5	357.0	355.5
35°	982.3	924.2	755.2	575.6	449.5	383.7	361.6	359.3	359.3	358.5	357.7
37.5°	1097.0	1019.8	809.6	592.5	449.5	382.3	360.8	360.1	360.1	358.5	357.0
40°	1228.5	1123.7	860.0	602.4	444.9	377.7	359.3	359.3	358.5	355.5	353.9
42.5°	1356.1	1231.5	908.2	604.0	437.3	371.5	357.0	358.5	357.0	350.9	349.3
45°	1498.3	1348.6	951.0	601.6	426.6	365.4	354.8	357.7	354.8	347.1	345.6
47.5°	1663.4	1474.7	988.5	592.5	412.8	358.5	351.7	355.5	353.9	344.7	343.2
50°	1833.1	1600.8	1018.2	579.5	399.1	352.4	349.3	354.8	353.2	343.2	341.7
52.5°	2010.5	1731.5	1039.6	558.8	384.5	346.3	347.1	353.9	353.9	344.0	342.5
55°	2186.4	1850.0	1049.6	532.9	369.2	340.9	344.7	353.9	356.2	346.3	344.7
57.5°	2348.4	1945.6	1044.2	503.0	354.8	334.8	343.2	353.2	357.7	348.6	347.1
60°	2483.7	2029.6	1021.3	470.9	342.5	329.5	340.9	353.2	358.5	351.7	350.2
62.5°	2566.3	2059.4	974.7	436.5	330.2	323.4	337.2	351.7	357.7	352.4	350.9
65°	2582.3	2036.5	908.2	403.7	318.8	316.5	331.0	347.1	355.5	352.4	350.2
67°	2531.9	1968.5	838.6	377.7	308.8	309.6	325.7	342.5	352.4	351.7	348.6
67.5°	2509.7	1943.3	821.0	370.7	307.3	307.3	324.2	340.9	351.7	350.9	348.6
70°	2361.4	1791.9	720.2	338.7	295.1	297.4	314.1	333.3	344.7	345.6	344.0
72.5°	2125.2	1580.2	618.5	308.1	281.3	284.4	301.2	320.3	333.3	334.8	332.6
75°	1814.1	1331.0	517.5	280.6	266.1	268.3	285.1	303.5	317.2	319.6	317.2
77.5°	1499.9	1064.9	422.8	254.6	247.7	251.5	266.1	282.8	295.8	297.4	295.8
80°	1147.4	808.0	337.2	230.1	227.8	231.6	243.9	258.4	269.9	271.4	269.9
82.5°	842.4	592.5	266.8	205.6	204.9	208.7	218.6	232.4	241.5	242.3	240.1
85°	600.9	418.2	212.6	178.9	180.4	182.0	191.1	201.8	209.5	210.2	205.6
87.5°	402.8	285.1	165.9	153.6	155.2	155.2	160.5	169.7	175.0	174.3	170.4
90°	263.0	194.2	133.8	130.7	131.4	131.4	133.8	139.9	144.4	142.2	139.9
92.5°	169.7	136.1	110.1	111.6	111.6	110.1	110.9	115.4	117.7	115.4	113.9
95°	115.4	100.1	91.8	94.0	94.8	91.8	91.8	94.0	95.5	92.5	90.2
97.5°	83.4	77.2	75.7	79.5	78.8	76.4	74.9	75.7	76.4	72.6	71.1
100°	62.7	61.2	61.9	66.5	65.8	63.4	61.9	61.2	60.4	56.6	55.9
102.5°	48.9	48.2	51.2	55.0	54.3	52.0	50.4	49.7	48.2	43.6	43.6
105°	37.4	38.3	42.0	45.8	45.1	43.6	42.0	40.5	37.4	33.7	33.7
107.5°	28.3	29.8	34.4	38.3	37.4	35.9	34.4	32.8	29.1	26.0	26.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.4	22.9	27.5	31.3	30.6	29.8	28.3	26.0	22.2	19.8	19.1
112.5°	16.1	17.6	22.2	25.3	25.3	24.4	22.9	20.7	16.8	15.2	14.5
115°	12.3	13.8	17.6	19.8	19.8	19.1	18.3	16.1	12.3	11.5	11.5
117.5°	9.9	10.7	13.8	16.1	16.1	15.2	14.5	12.3	9.2	9.2	9.2
120°	7.7	8.4	10.7	12.3	12.3	11.5	10.7	9.2	6.9	6.9	6.9
122.5°	6.9	6.9	8.4	9.9	9.2	9.2	8.4	6.9	5.3	5.3	5.3
125°	5.3	6.1	6.9	7.7	6.9	6.9	6.1	5.3	4.6	4.6	4.6
127.5°	5.3	5.3	5.3	5.3	5.3	5.3	4.6	3.8	3.1	3.8	3.8
130°	4.6	4.6	4.6	4.6	3.8	3.8	3.1	2.3	2.3	3.1	3.1
132.5°	4.6	4.6	4.6	3.8	3.1	2.3	2.3	1.5	2.3	2.3	2.3
135°	3.8	3.8	3.8	3.1	2.3	1.5	0.7	0.7	1.5	1.5	1.5
137.5°	3.8	3.8	3.1	3.1	2.3	0.7	0.0	0.7	0.7	0.7	0.7
140°	3.1	3.1	3.1	2.3	1.5	0.7	0.0	0.0	0.7	0.7	0.0
142.5°	3.1	3.1	2.3	1.5	0.7	0.0	0.0	0.0	0.7	0.0	0.0
145°	2.3	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	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)