

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: P416005

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416005
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-PA1-60-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 7024 lumens
Efficiency: N/A
Efficacy: 109.7 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

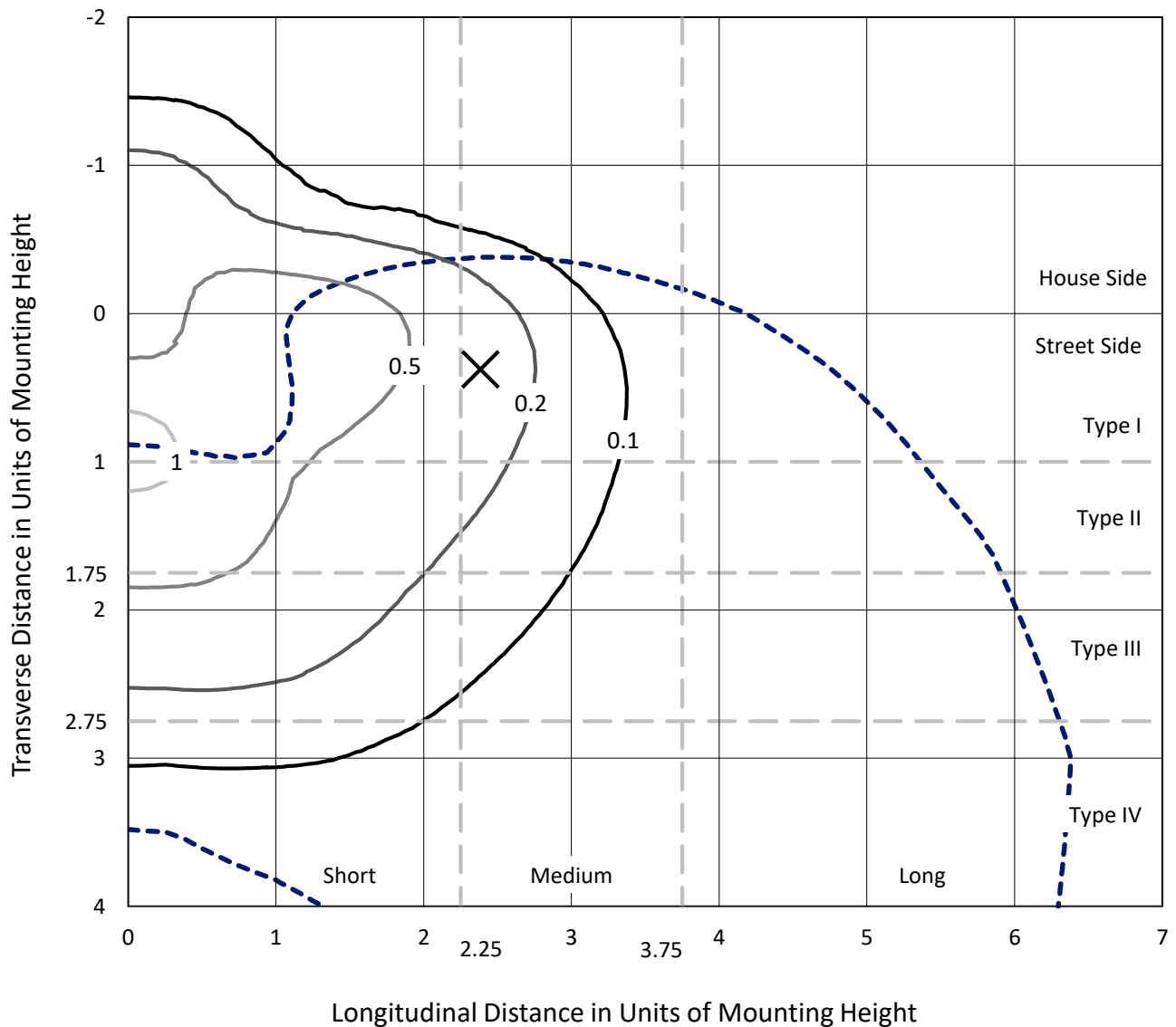
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

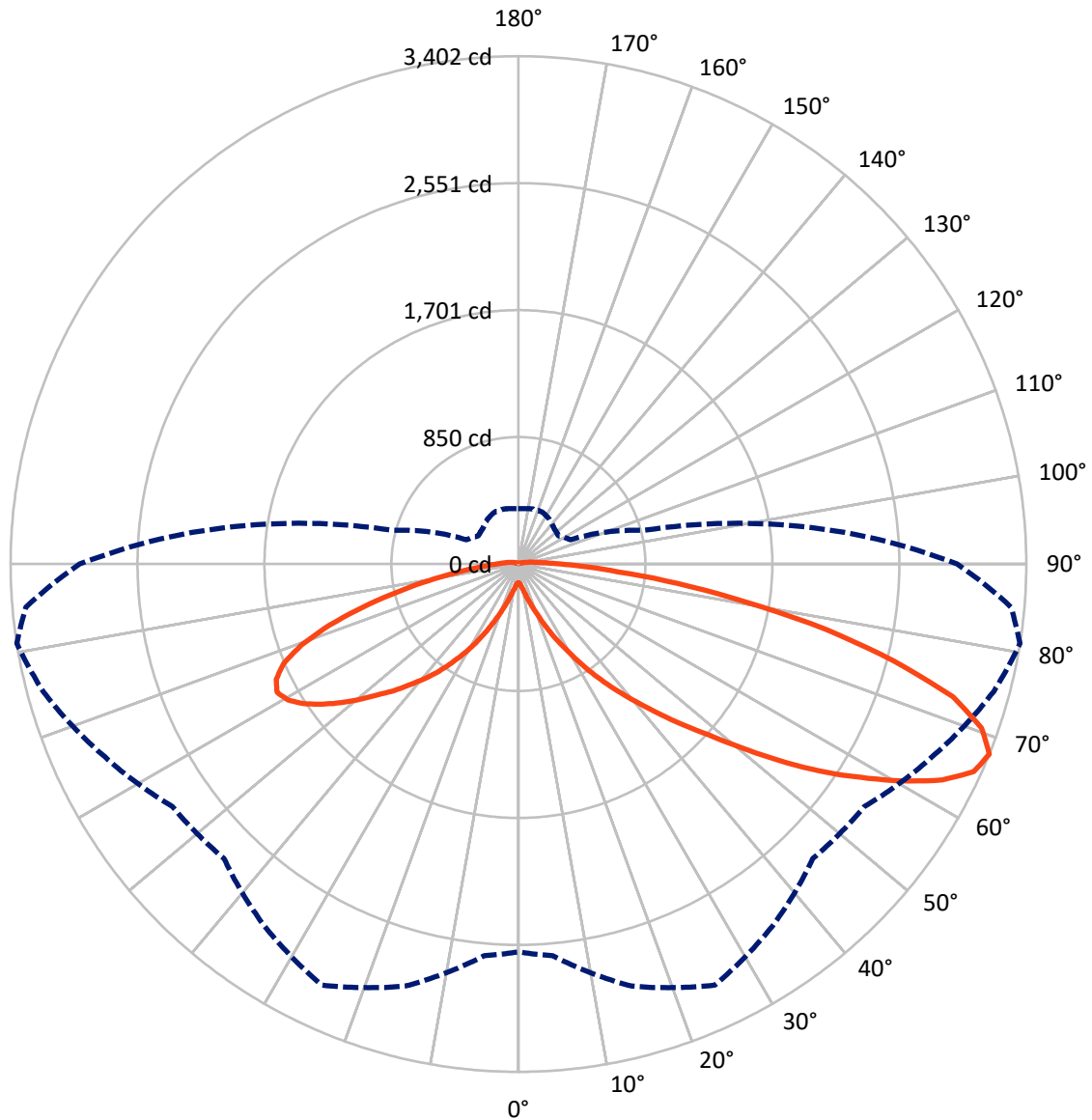


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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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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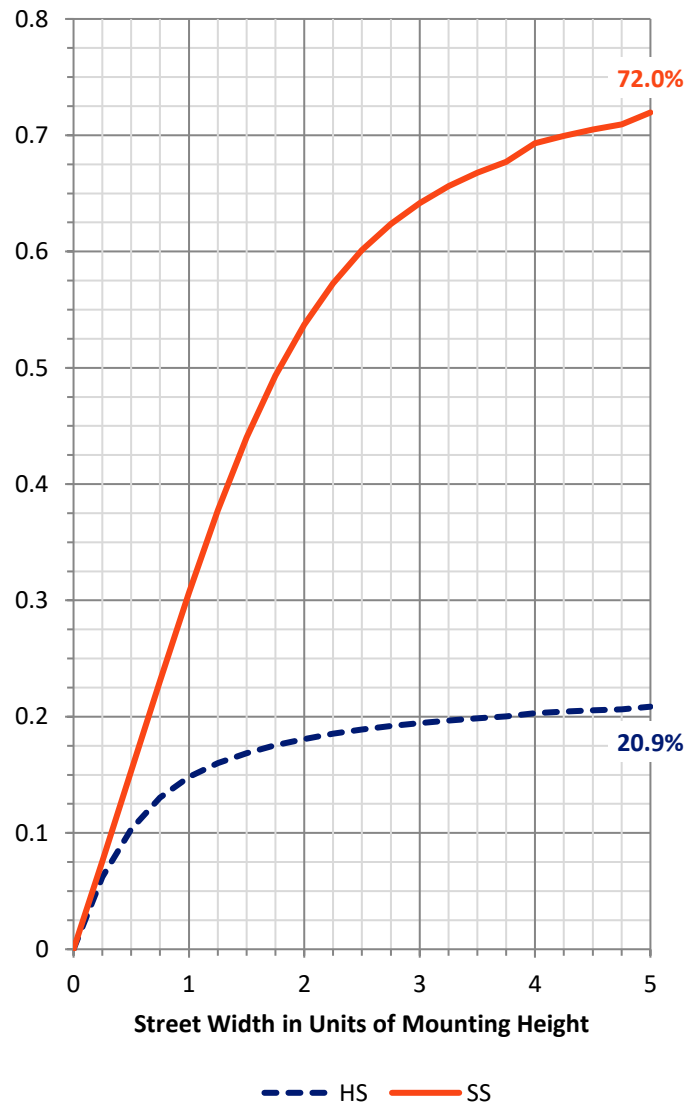
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1537.5	109.3	1646.9
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5239.6	137.5	5377.1
	% Fixture	74.6	2.0	76.6
Total	Lumens	6777.1	246.8	7024.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.2
10°-20°	72.5	1.0
20°-30°	216.3	3.1
30°-40°	469.6	6.7
40°-50°	823.4	11.7
50°-60°	1304.8	18.6
60°-70°	1760.8	25.1
70°-80°	1510.8	21.5
80°-90°	604.4	8.6
90°-100°	147.1	2.1
100°-110°	51.7	0.7
110°-120°	23.7	0.3
120°-130°	12.8	0.2
130°-140°	7.2	0.1
140°-150°	3.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6777.1	96.5
0°-180°	7024.0	100.0



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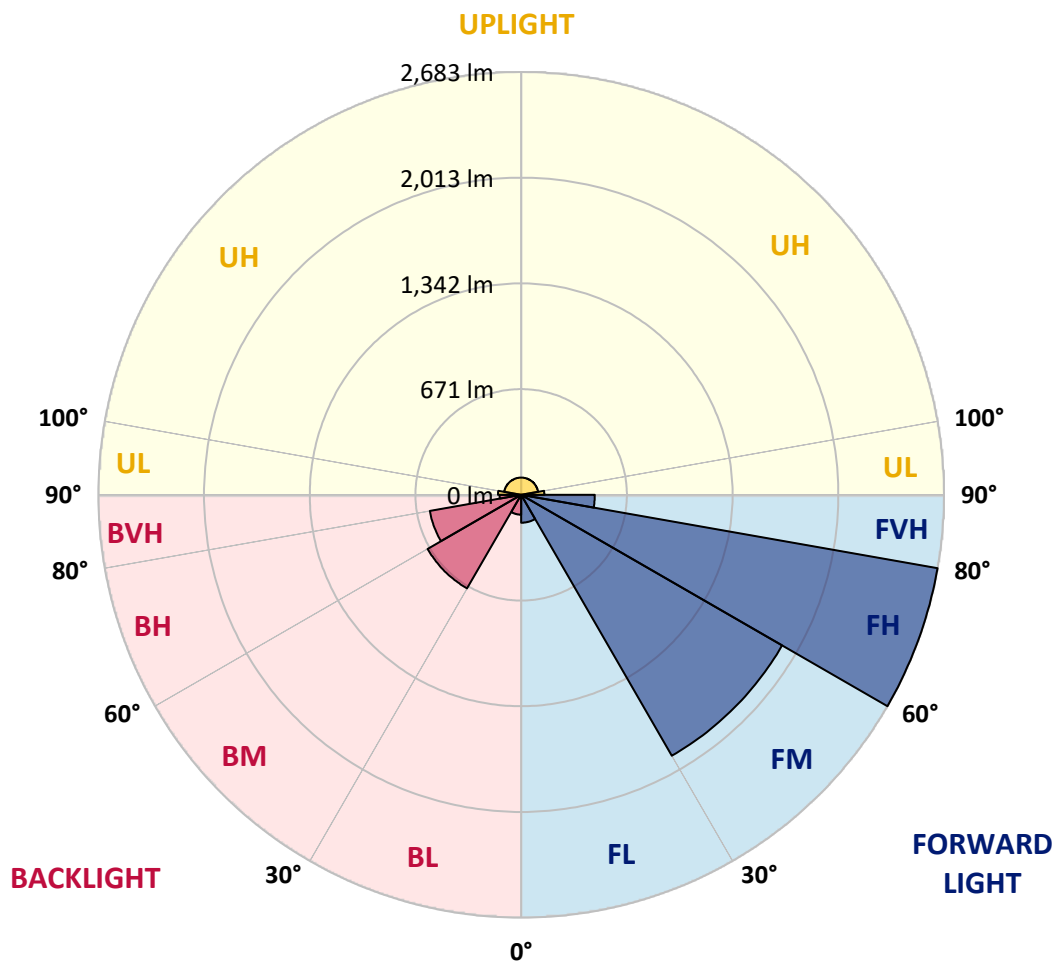
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.2	2.5			
FM	(30°-60°)	1911.9	27.2			
FH	(60°-80°)	2683.3	38.2			G2/5000
FVH	(80°-90°)	467.2	6.7			G3/500
BL	(0°-30°)	126.1	1.8	B1/500		
BM	(30°-60°)	685.9	9.8	B1/1000		
BH	(60°-80°)	588.3	8.4	B2/1000		G2/1000
BVH	(80°-90°)	137.2	2.0			G2/225
UL	(90°-100°)	147.1	2.1		U3/500	
UH	(100°-180°)	109.3	1.6		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°	81°	85°
0°	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4
2.5°	137.9	137.0	137.0	137.9	137.9	137.9	135.4	133.0	130.5	129.7	128.9
5°	156.6	155.0	155.0	155.0	154.2	151.7	148.5	145.2	141.9	140.3	138.7
7.5°	181.1	180.3	179.5	177.0	176.2	172.1	167.2	162.3	157.4	155.8	154.2
10°	214.5	213.7	209.7	208.8	204.8	200.7	193.3	186.0	179.5	177.0	174.6
12.5°	257.0	257.0	251.3	244.7	239.8	231.7	225.2	216.2	211.3	208.0	204.8
15°	312.4	309.2	301.8	294.5	281.4	271.7	261.9	257.0	253.7	249.6	244.7
17.5°	373.6	369.5	363.0	348.3	331.2	317.3	308.4	303.5	301.8	299.4	293.7
20°	447.0	442.1	433.2	410.3	391.6	372.8	362.2	359.8	361.4	357.3	351.6
22.5°	534.3	531.1	512.3	483.8	457.6	431.5	421.8	423.4	426.6	432.4	429.1
25°	633.9	625.7	607.7	567.0	523.7	498.4	488.6	496.0	510.7	518.8	512.3
27.5°	749.7	744.8	708.9	655.9	599.6	565.3	558.0	579.2	604.5	611.0	611.0
30°	872.1	875.3	823.1	760.3	689.3	642.0	633.0	663.2	706.5	710.5	721.1
32.5°	1027.1	1021.3	966.7	863.9	779.9	718.7	713.0	755.4	810.1	831.3	831.3
35°	1189.4	1183.7	1116.8	995.2	878.6	799.5	803.5	848.4	922.6	949.6	953.6
37.5°	1376.2	1357.4	1284.8	1133.9	986.3	893.3	885.9	953.6	1040.9	1079.3	1079.3
40°	1581.8	1571.2	1470.0	1291.4	1096.4	990.3	984.6	1063.0	1169.0	1211.4	1219.6
42.5°	1781.6	1767.8	1674.0	1443.9	1223.7	1093.1	1093.9	1179.6	1301.2	1359.9	1370.5
45°	1992.9	1979.9	1877.1	1631.5	1361.5	1220.4	1210.6	1317.5	1462.7	1527.9	1540.2
47.5°	2180.6	2171.6	2082.7	1818.4	1532.8	1356.6	1343.6	1466.8	1634.8	1707.4	1744.1
50°	2384.5	2373.1	2289.9	2017.4	1703.3	1501.8	1501.0	1633.2	1843.6	1931.7	1961.9
52.5°	2550.1	2537.0	2479.1	2217.3	1872.2	1671.5	1657.6	1820.0	2059.8	2186.3	2201.0
55°	2702.7	2697.8	2678.2	2431.8	2077.8	1837.9	1846.9	2039.4	2306.2	2448.9	2471.0
57.5°	2812.8	2819.3	2828.3	2647.2	2279.3	2023.9	2040.2	2259.7	2562.3	2695.3	2725.5
60°	2887.8	2910.7	2970.2	2834.8	2484.8	2227.1	2254.8	2477.5	2808.7	2950.6	2975.1
62.5°	2893.5	2918.0	3056.7	3010.2	2682.3	2435.1	2466.9	2701.8	3029.0	3186.4	3188.9
65°	2785.0	2818.5	3040.4	3104.8	2856.0	2634.1	2662.7	2901.7	3213.3	3352.8	3302.2
67.5°	2598.2	2633.3	2927.0	3113.0	2963.7	2789.1	2829.9	3056.7	3296.5	3401.8	3312.0
70°	2327.4	2361.7	2670.8	2989.8	2983.3	2880.5	2934.3	3120.3	3281.0	3291.6	3165.2
72.5°	1971.7	1968.5	2302.1	2720.6	2874.8	2873.1	2958.8	3072.2	3104.0	3044.5	2856.8
75°	1510.0	1552.4	1856.7	2331.5	2627.6	2743.4	2829.9	2873.1	2781.8	2597.4	2394.3
77.5°	1081.7	1116.8	1393.3	1837.9	2260.5	2474.2	2569.7	2549.3	2322.5	2106.3	1873.0
80°	716.2	736.6	967.5	1372.1	1822.4	2070.4	2185.5	2107.1	1819.2	1542.6	1341.1
82.5°	429.9	463.4	608.6	964.2	1351.7	1636.4	1706.6	1576.1	1298.7	1073.6	925.9
85°	260.2	267.6	378.5	616.7	943.8	1177.2	1244.1	1103.7	854.1	670.6	556.4
87.5°	146.0	159.1	234.1	401.4	634.7	817.4	841.1	726.9	536.0	416.0	348.3
90°	85.7	94.6	143.6	248.8	404.6	528.6	535.1	439.7	317.3	250.4	222.7
92.5°	54.7	61.2	95.4	159.9	260.2	343.4	334.5	271.7	203.1	167.2	144.4
95°	39.2	42.4	66.9	110.1	174.6	216.2	212.9	170.5	136.2	116.7	106.1
97.5°	29.4	32.6	52.2	80.8	117.5	145.2	141.9	113.4	94.6	85.7	81.6
100°	24.5	26.1	42.4	63.6	87.3	104.4	102.8	84.0	71.0	64.4	62.8
102.5°	21.2	22.8	35.1	51.4	69.3	80.8	77.5	65.3	53.8	48.1	46.5
105°	18.8	19.6	30.2	44.1	57.1	63.6	62.8	52.2	41.6	35.9	35.1
107.5°	17.1	17.9	26.1	37.5	48.1	53.8	52.2	42.4	31.8	27.7	26.9
110°	15.5	16.3	22.8	32.6	40.8	45.7	43.2	35.1	25.3	21.2	21.2



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CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	14.7	14.7	20.4	27.7	35.1	39.2	36.7	28.6	19.6	17.1	17.9
115°	13.9	13.9	17.9	24.5	31.0	34.3	31.0	23.7	16.3	14.7	14.7
117.5°	13.1	13.1	16.3	22.0	27.7	30.2	26.9	20.4	13.9	12.2	13.1
120°	12.2	13.1	15.5	19.6	24.5	26.1	23.7	17.1	11.4	11.4	12.2
122.5°	12.2	12.2	14.7	17.9	22.0	22.8	20.4	14.7	10.6	10.6	10.6
125°	12.2	12.2	13.9	16.3	19.6	20.4	17.1	12.2	9.8	9.8	9.8
127.5°	12.2	12.2	13.1	15.5	17.1	17.9	15.5	11.4	9.0	9.0	9.8
130°	11.4	12.2	12.2	13.9	15.5	15.5	13.1	9.8	8.2	8.2	9.0
132.5°	11.4	11.4	12.2	13.1	13.9	13.9	11.4	9.0	7.3	8.2	8.2
135°	11.4	11.4	11.4	12.2	13.1	12.2	9.8	7.3	6.5	7.3	7.3
137.5°	10.6	10.6	10.6	11.4	11.4	10.6	9.0	6.5	6.5	6.5	6.5
140°	9.8	9.8	9.8	9.8	10.6	9.8	7.3	5.7	5.7	5.7	5.7
142.5°	9.0	9.0	9.0	9.0	9.0	8.2	6.5	4.9	4.9	4.9	4.9
145°	8.2	8.2	8.2	8.2	7.3	6.5	4.9	4.1	4.1	4.9	4.9
147.5°	6.5	6.5	6.5	6.5	6.5	5.7	4.1	3.3	4.1	4.1	4.1
150°	5.7	5.7	5.7	5.7	4.9	4.9	3.3	3.3	3.3	4.1	4.1
152.5°	4.1	4.1	4.1	4.9	4.1	3.3	2.4	2.4	3.3	3.3	3.3
155°	3.3	3.3	3.3	3.3	3.3	2.4	1.6	2.4	3.3	3.3	3.3
157.5°	1.6	2.4	2.4	2.4	2.4	2.4	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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°	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4
2.5°	128.9	128.1	127.3	126.4	125.6	125.6	124.8	124.0	123.2	122.4	122.4
5°	137.9	136.2	133.8	132.2	130.5	130.5	128.9	128.1	126.4	125.6	125.6
7.5°	151.7	150.9	146.0	143.6	141.1	140.3	138.7	137.0	135.4	135.4	135.4
10°	172.1	169.7	165.6	159.1	156.6	155.0	152.5	150.9	150.9	151.7	151.7
12.5°	203.1	196.6	190.9	181.9	177.0	173.8	172.1	172.9	177.0	178.7	177.0
15°	239.0	237.4	223.5	210.5	200.7	194.2	198.2	203.1	208.8	210.5	212.9
17.5°	288.8	283.1	264.3	245.5	227.6	224.3	229.2	237.4	243.9	248.8	252.9
20°	348.3	338.5	315.7	283.1	262.7	257.8	261.0	272.5	284.7	294.5	295.3
22.5°	423.4	408.7	367.9	327.1	296.9	288.8	292.9	310.8	328.8	341.0	340.2
25°	505.0	487.0	432.4	373.6	332.0	317.3	324.7	348.3	373.6	388.3	389.9
27.5°	596.3	578.4	502.5	418.5	363.8	341.8	354.0	381.0	415.2	433.2	436.4
30°	704.0	679.5	572.7	466.6	393.2	364.6	376.1	411.1	448.7	474.0	477.2
32.5°	815.8	777.4	642.8	505.8	413.6	379.3	392.4	433.2	476.4	504.1	509.0
35°	931.6	884.3	713.8	539.2	428.3	388.3	401.4	447.0	492.7	522.9	527.0
37.5°	1062.1	999.3	778.2	564.5	436.4	390.8	403.8	449.5	496.0	525.4	529.4
40°	1193.5	1109.4	832.1	580.0	437.3	388.3	398.9	443.0	487.0	512.3	516.4
42.5°	1334.6	1225.3	885.9	584.1	433.2	381.8	390.8	429.9	467.4	487.0	489.5
45°	1492.9	1359.1	931.6	580.8	421.8	372.0	378.5	412.0	441.3	450.3	454.4
47.5°	1660.1	1491.2	966.7	571.0	410.3	361.4	365.5	393.2	412.0	412.8	413.6
50°	1864.0	1651.9	1009.9	557.2	394.8	351.6	354.0	376.1	385.0	381.0	379.3
52.5°	2087.6	1824.1	1037.7	535.1	381.0	342.6	345.1	362.2	365.5	356.5	357.3
55°	2330.7	1984.8	1061.3	513.9	366.3	336.9	341.8	355.7	355.7	344.3	343.4
57.5°	2557.4	2148.7	1071.9	487.0	354.0	332.8	341.0	354.9	353.2	342.6	341.8
60°	2776.9	2282.5	1058.9	460.9	345.9	331.2	345.9	360.6	358.9	350.0	349.2
62.5°	2928.6	2366.6	1026.2	434.8	338.5	333.7	351.6	368.7	368.7	358.9	358.9
65°	2993.9	2356.8	959.3	408.7	332.8	335.3	359.8	377.7	376.1	367.9	366.3
67.5°	2939.2	2267.8	869.6	383.4	327.9	336.9	363.8	382.6	381.0	372.0	370.4
70°	2763.8	2081.0	761.1	360.6	321.4	334.5	365.5	381.8	379.3	371.2	367.9
72.5°	2414.7	1790.6	647.7	338.5	311.6	328.8	360.6	375.3	372.8	366.3	362.2
75°	1988.9	1443.9	535.1	314.1	299.4	318.2	350.0	363.0	359.8	354.0	350.0
77.5°	1520.6	1090.7	442.1	291.2	284.7	304.3	335.3	345.1	341.8	336.9	334.5
80°	1076.0	776.6	355.7	265.9	263.5	283.1	309.2	319.8	318.2	313.3	309.2
82.5°	708.1	516.4	283.9	237.4	239.0	259.4	279.0	284.7	283.9	279.8	274.9
85°	436.4	340.2	223.5	204.8	212.1	228.4	244.7	245.5	243.1	242.3	234.9
87.5°	278.2	232.5	175.4	173.8	184.4	198.2	205.6	202.3	203.9	203.9	198.2
90°	181.1	163.2	140.3	145.2	156.6	167.2	170.5	161.5	166.4	164.0	161.5
92.5°	131.3	121.5	114.2	120.7	132.2	141.9	140.3	130.5	133.0	133.0	132.2
95°	99.5	94.6	95.4	102.0	110.9	117.5	114.2	106.1	106.9	105.2	102.8
97.5°	78.3	77.5	80.8	85.7	93.8	97.9	94.6	87.3	86.5	84.0	83.2
100°	62.0	62.8	67.7	73.4	78.3	81.6	79.1	71.8	68.5	64.4	63.6
102.5°	48.1	49.8	56.3	61.2	66.1	68.5	66.1	60.4	54.7	50.6	49.8
105°	37.5	39.2	46.5	51.4	55.5	57.1	55.5	48.9	43.2	38.3	38.3
107.5°	29.4	31.0	38.3	44.1	46.5	48.1	45.7	40.8	34.3	30.2	30.2
110°	23.7	25.3	31.8	36.7	39.2	40.8	38.3	32.6	27.7	24.5	24.5



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CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	21.2	26.1	31.0	33.4	34.3	31.8	27.7	22.0	20.4	20.4
115°	16.3	17.9	22.0	26.1	28.6	28.6	26.9	22.8	17.9	17.1	17.1
117.5°	13.9	15.5	18.8	22.8	24.5	24.5	22.8	18.8	15.5	14.7	14.7
120°	13.1	13.9	16.3	19.6	21.2	21.2	19.6	16.3	13.1	13.1	13.1
122.5°	11.4	12.2	14.7	17.1	18.8	18.8	17.1	13.9	11.4	12.2	12.2
125°	10.6	11.4	13.1	14.7	16.3	16.3	14.7	12.2	10.6	10.6	10.6
127.5°	9.8	10.6	11.4	13.1	13.9	13.9	13.1	10.6	9.8	9.8	9.8
130°	9.0	9.8	10.6	11.4	12.2	12.2	10.6	9.0	9.0	9.0	9.0
132.5°	9.0	9.0	9.0	9.8	10.6	10.6	9.8	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	9.0	9.0	8.2	7.3	7.3	7.3	7.3
137.5°	7.3	7.3	7.3	7.3	8.2	8.2	7.3	6.5	6.5	6.5	6.5
140°	6.5	6.5	6.5	5.7	6.5	6.5	5.7	5.7	5.7	5.7	5.7
142.5°	4.9	5.7	4.9	4.9	4.9	4.9	4.9	4.1	4.9	4.9	4.9
145°	4.9	4.9	4.9	4.1	4.1	4.1	4.1	3.3	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	3.3	2.4	3.3	2.4	3.3	3.3	3.3	3.3
150°	4.1	4.1	3.3	3.3	2.4	1.6	1.6	2.4	2.4	2.4	2.4
152.5°	3.3	3.3	3.3	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
155°	3.3	3.3	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.4	2.4	2.4	1.6	0.8	0.8	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)