

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: P415476

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5597 lumens
Efficiency: N/A
Efficacy: 103.6 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: B1 - U3 - G3

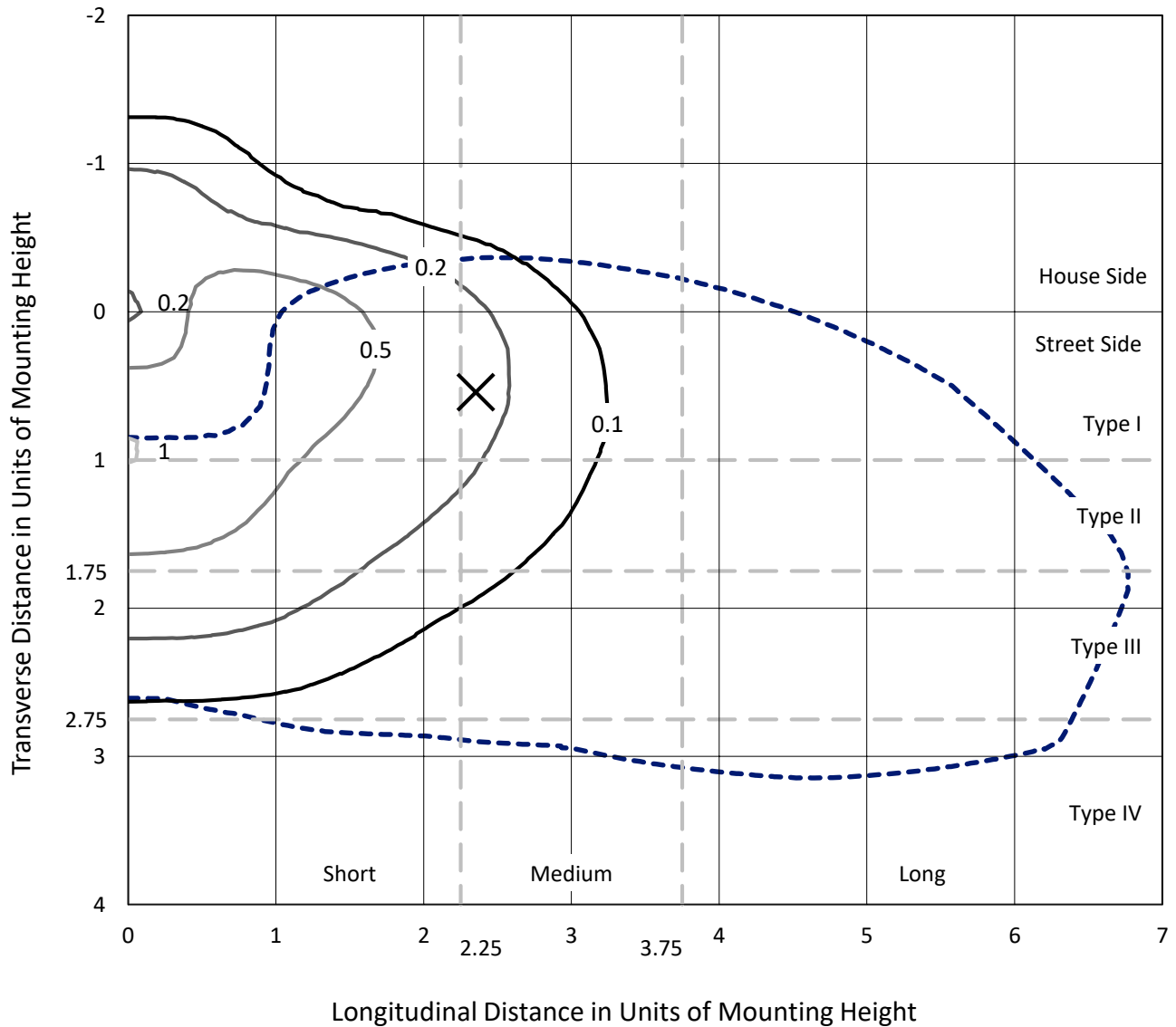
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

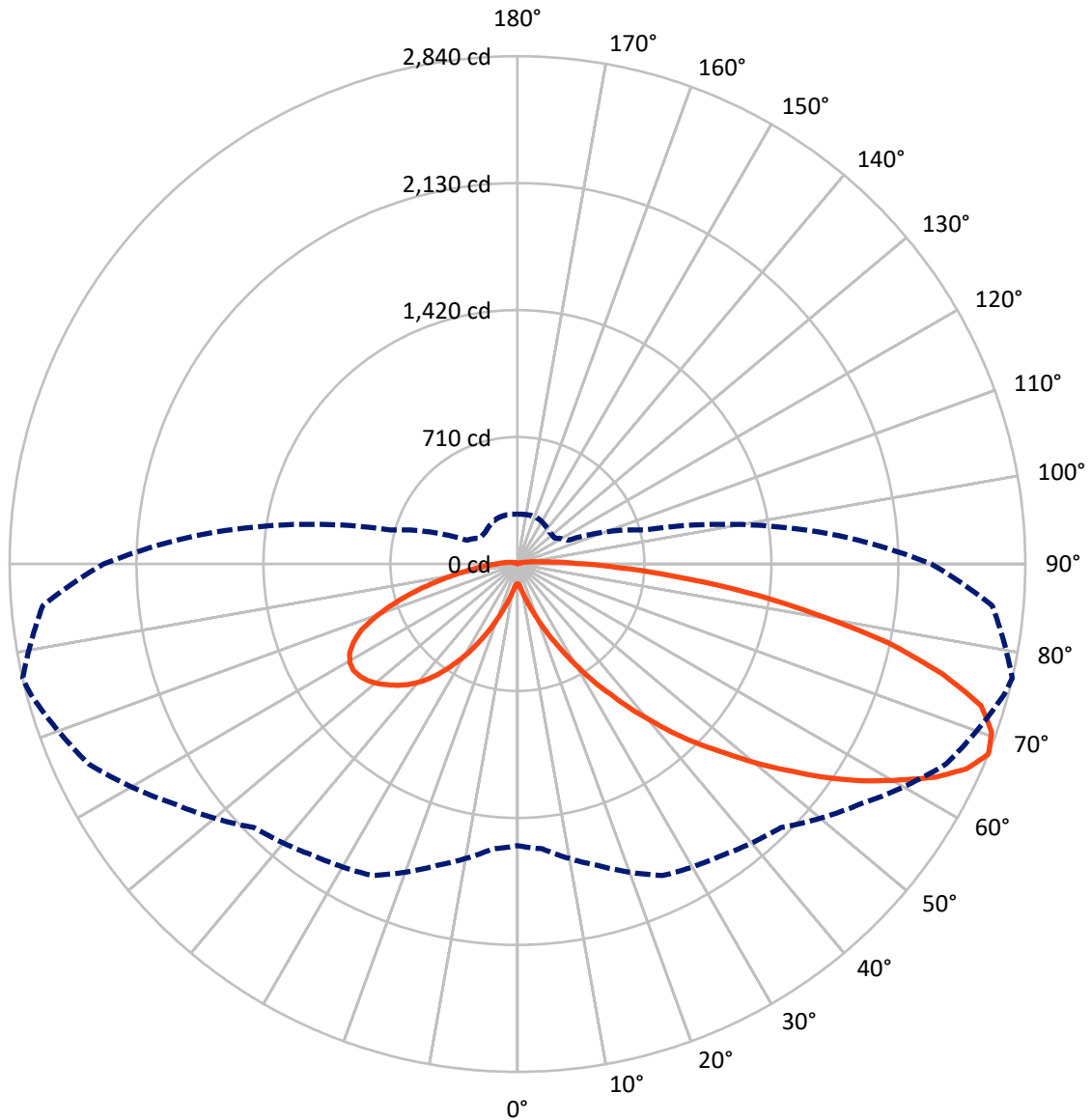
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1276.9	84.1	1361.0
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	4142.4	93.7	4236.0
	% Fixture	74.0	1.7	75.7
Total	Lumens	5419.3	177.7	5597.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.2
10°-20°	64.9	1.2
20°-30°	193.9	3.5
30°-40°	429.6	7.7
40°-50°	769.2	13.7
50°-60°	1152.1	20.6
60°-70°	1358.0	24.3
70°-80°	1036.8	18.5
80°-90°	401.9	7.2
90°-100°	102.4	1.8
100°-110°	38.8	0.7
110°-120°	18.2	0.3
120°-130°	9.7	0.2
130°-140°	5.4	0.1
140°-150°	2.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5419.3	96.8
0°-180°	5597.0	100.0



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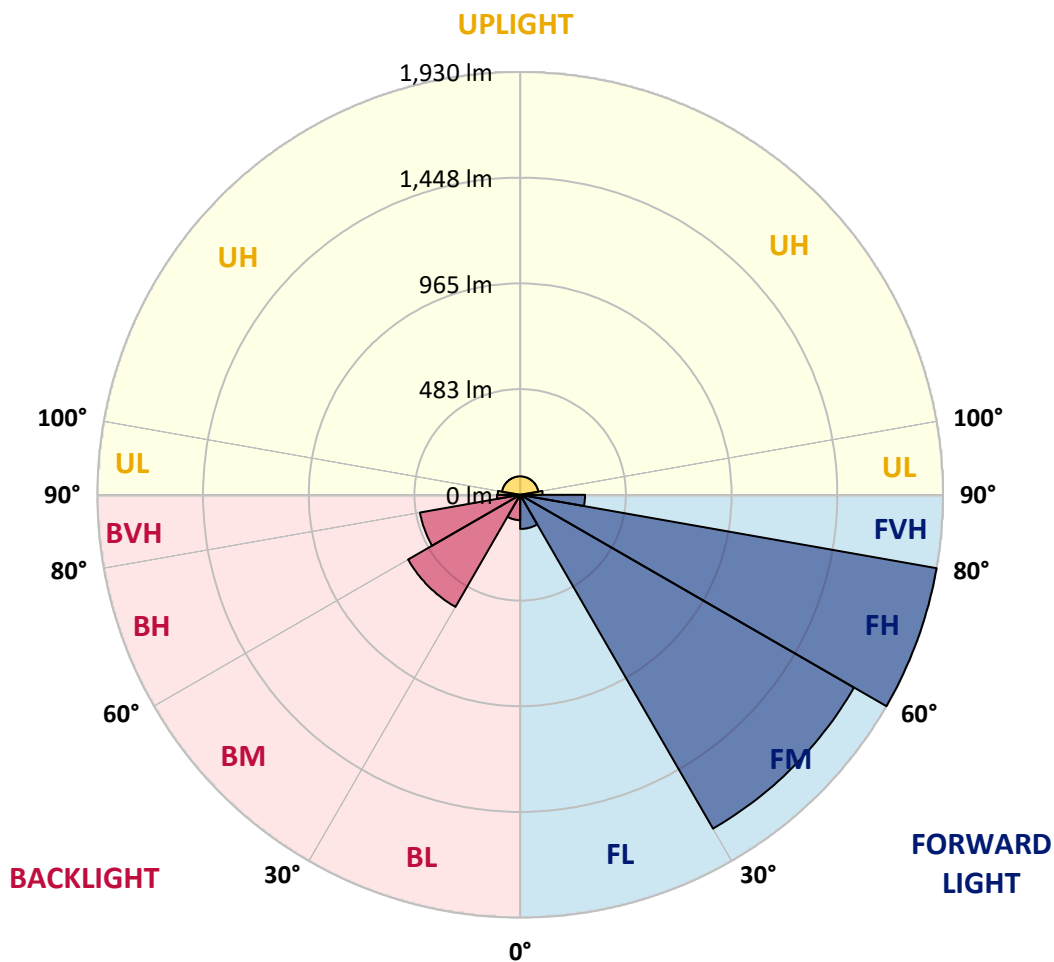
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.0	2.8			
FM (30°-60°)	1759.8	31.4			
FH (60°-80°)	1930.5	34.5			G2/5000
FVH (80°-90°)	296.0	5.3			G3/500
BL (0°-30°)	115.6	2.1	B1/500		
BM (30°-60°)	591.1	10.6	B1/1000		
BH (60°-80°)	464.3	8.3	B1/500		G1/500
BVH (80°-90°)	105.9	1.9			G2/225
UL (90°-100°)	102.4	1.8		U3/500	
UH (100°-180°)	84.1	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	116.4	115.7	116.4	116.4	117.0	115.7	114.5	113.8	113.2	113.2	112.5
5°	128.6	127.3	128.0	128.6	128.0	126.7	124.7	124.1	122.8	122.8	121.5
7.5°	146.0	146.0	145.3	144.0	145.3	143.4	142.1	141.5	139.5	138.9	138.2
10°	172.3	171.0	170.4	169.1	167.8	167.2	164.6	164.6	161.4	162.7	160.8
12.5°	206.4	203.8	204.5	201.9	198.0	195.5	194.2	193.5	193.5	193.5	192.9
15°	247.6	245.6	245.0	239.2	235.3	232.1	229.6	230.2	233.4	234.1	231.5
17.5°	294.5	297.7	291.9	286.8	281.0	274.6	274.6	274.6	277.1	279.1	277.8
20°	360.1	353.7	347.2	338.9	329.2	324.1	321.5	329.2	333.7	336.9	335.7
22.5°	432.1	425.7	418.6	405.1	391.6	382.0	382.0	391.6	401.9	405.7	407.0
25°	513.8	517.6	500.3	479.7	455.3	446.9	448.2	462.3	477.8	481.0	488.7
27.5°	614.7	614.7	599.9	567.1	535.0	518.3	519.6	542.7	565.9	570.4	576.1
30°	737.5	733.0	713.1	669.4	626.9	595.4	601.2	629.5	666.2	670.0	677.1
32.5°	874.5	873.9	835.3	781.3	720.2	682.9	685.5	726.6	772.3	783.2	790.9
35°	1026.3	1030.1	980.0	901.5	830.8	780.6	789.0	835.9	889.3	891.9	901.5
37.5°	1199.9	1197.9	1138.1	1052.6	947.2	893.8	887.4	951.0	1007.0	1023.7	1018.5
40°	1392.1	1371.6	1313.7	1207.6	1077.7	1006.3	1007.6	1073.2	1149.1	1154.2	1152.9
42.5°	1581.8	1572.8	1502.7	1359.3	1220.4	1136.2	1139.4	1202.4	1280.9	1300.8	1286.7
45°	1786.3	1763.8	1687.9	1540.0	1370.9	1279.6	1271.2	1342.0	1428.1	1443.6	1430.1
47.5°	1951.6	1937.4	1870.5	1713.0	1532.3	1415.3	1402.4	1489.2	1587.6	1588.9	1569.0
50°	2088.5	2081.4	2028.7	1889.2	1688.6	1567.0	1553.5	1639.7	1742.6	1759.3	1730.4
52.5°	2206.8	2195.3	2168.9	2031.3	1830.7	1696.9	1695.0	1789.5	1918.1	1925.8	1898.2
55°	2244.8	2251.8	2248.0	2150.9	1970.2	1825.5	1841.6	1968.9	2084.0	2111.0	2058.9
57.5°	2239.0	2239.0	2275.6	2231.3	2063.4	1941.9	1976.6	2130.3	2280.1	2288.5	2226.1
60°	2151.5	2153.5	2241.6	2253.8	2130.3	2041.6	2123.2	2294.3	2448.0	2453.1	2394.6
62.5°	2025.5	2021.0	2150.2	2212.0	2138.7	2100.7	2228.0	2437.7	2606.1	2623.5	2535.4
65°	1828.7	1837.1	1976.6	2099.4	2094.9	2123.2	2309.7	2566.9	2734.7	2759.8	2632.5
67.5°	1574.7	1599.2	1745.8	1922.0	1990.1	2084.0	2339.9	2646.0	2818.3	2840.2	2665.3
70°	1304.7	1298.9	1457.7	1678.9	1812.0	1983.7	2306.5	2649.2	2820.3	2813.2	2595.2
72.5°	989.6	1014.0	1156.8	1381.8	1579.2	1793.4	2197.8	2566.9	2712.2	2711.0	2410.0
75°	703.5	718.2	844.3	1069.3	1304.7	1570.9	1981.1	2387.5	2494.3	2455.7	2141.9
77.5°	464.3	477.8	586.4	791.6	1009.5	1291.2	1689.8	2074.4	2159.2	2119.4	1799.8
80°	288.7	295.1	377.4	540.1	733.7	1000.5	1368.3	1696.3	1729.7	1689.2	1385.7
82.5°	171.7	176.8	236.0	346.6	522.8	728.5	1031.4	1300.2	1311.1	1283.5	999.2
85°	105.5	112.5	150.5	231.5	348.5	513.8	718.9	903.4	911.2	879.0	660.4
87.5°	68.8	72.7	102.2	150.5	234.7	344.0	481.6	601.2	583.9	563.9	417.3
90°	46.9	49.5	70.1	103.5	158.8	227.6	304.8	376.2	348.5	333.1	253.3
92.5°	32.8	35.4	51.4	74.6	110.0	152.4	198.0	225.1	213.5	206.4	159.5
95°	25.7	27.0	39.2	57.9	81.7	108.0	131.2	139.5	132.5	127.3	107.4
97.5°	20.6	21.9	32.8	46.9	63.7	80.4	91.3	93.9	86.8	84.2	74.6
100°	17.4	18.6	27.6	39.2	52.1	63.7	68.2	67.5	61.7	60.4	54.0
102.5°	15.4	16.1	24.4	34.1	44.4	51.4	54.0	50.8	45.0	44.4	40.5
105°	13.5	14.8	21.2	29.6	37.9	43.7	43.7	39.9	33.4	32.8	30.9
107.5°	12.9	12.9	18.6	25.7	32.8	36.7	36.7	32.2	26.4	25.1	23.8
110°	11.6	12.2	16.7	22.5	28.3	31.5	30.9	25.7	19.9	19.3	18.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	10.9	10.9	14.8	19.9	24.4	27.0	25.7	21.2	16.1	15.4	14.8
115°	10.3	10.3	13.5	18.0	21.9	23.8	21.9	17.4	12.9	12.2	12.9
117.5°	9.6	10.3	12.2	16.1	19.3	20.6	18.6	14.8	10.9	10.3	10.9
120°	9.6	9.6	11.6	14.1	16.7	18.0	16.1	12.2	9.0	9.0	9.6
122.5°	9.6	9.6	10.9	12.9	14.8	15.4	13.5	10.3	8.4	8.4	9.0
125°	9.0	9.0	10.3	11.6	13.5	13.5	12.2	9.0	7.1	7.1	8.4
127.5°	9.0	9.0	9.6	10.9	12.2	12.2	10.3	7.7	6.4	7.1	7.7
130°	8.4	8.4	9.0	9.6	10.9	10.3	9.0	7.1	5.8	6.4	7.1
132.5°	8.4	8.4	8.4	9.0	9.6	9.0	7.7	5.8	5.8	5.8	6.4
135°	7.7	7.7	8.4	8.4	8.4	7.7	6.4	5.1	5.1	5.1	5.8
137.5°	7.7	7.7	7.7	7.7	7.7	7.1	5.8	4.5	4.5	4.5	5.1
140°	7.1	7.1	7.1	6.4	6.4	5.8	4.5	3.9	3.9	3.9	4.5
142.5°	6.4	6.4	6.4	5.8	5.8	4.5	3.9	3.2	3.2	3.9	3.9
145°	5.8	5.8	5.8	5.1	4.5	3.9	2.6	2.6	3.2	3.2	3.9
147.5°	4.5	4.5	4.5	4.5	3.2	3.2	1.9	2.6	2.6	3.2	3.2
150°	3.9	3.9	3.9	3.9	2.6	1.9	1.3	1.9	2.6	2.6	2.6
152.5°	3.2	3.2	3.2	3.2	1.9	1.3	1.3	1.9	1.9	1.9	2.6
155°	1.9	1.9	2.6	1.9	1.3	0.6	1.3	1.3	1.9	1.9	1.9
157.5°	1.3	1.3	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.3	1.9
160°	0.6	0.6	1.3	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.3
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°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	111.9	112.5	111.9	111.2	111.2	110.6	110.6	110.6	110.6	110.0	110.0
5°	122.2	121.5	120.9	119.6	118.3	117.0	117.0	116.4	115.7	115.1	115.1
7.5°	136.3	136.3	135.0	133.1	131.2	129.9	128.6	128.0	126.0	126.0	125.4
10°	158.2	158.2	154.3	152.4	149.2	146.0	144.7	142.7	141.5	140.8	140.2
12.5°	189.7	187.8	183.9	177.5	171.0	165.9	162.7	161.4	162.0	162.0	162.7
15°	230.2	226.3	220.6	208.3	196.8	189.0	187.1	187.1	187.8	187.8	188.4
17.5°	278.4	272.6	259.8	244.3	227.6	217.3	212.8	212.8	214.1	216.1	218.0
20°	336.9	331.8	311.9	284.9	259.8	246.3	238.6	237.9	240.5	246.3	245.0
22.5°	403.2	397.4	367.8	328.6	293.9	272.0	263.6	266.2	272.6	276.5	276.5
25°	482.9	473.3	428.9	371.7	327.3	296.4	285.5	289.4	299.0	303.5	305.4
27.5°	568.4	555.6	496.4	418.6	353.7	316.4	304.8	309.9	321.5	328.6	330.5
30°	670.0	647.5	567.1	462.3	377.4	330.5	318.3	327.9	340.8	349.2	351.1
32.5°	776.8	742.0	628.2	499.6	394.8	340.2	327.9	339.5	353.7	363.3	363.9
35°	883.5	843.6	695.7	529.8	403.8	344.7	331.8	345.3	360.7	368.4	370.4
37.5°	999.2	943.9	754.3	549.1	407.7	344.0	331.8	345.3	360.1	366.5	367.8
40°	1110.5	1042.3	806.3	560.7	406.4	338.9	327.3	341.4	354.3	358.8	358.2
42.5°	1235.2	1137.5	848.1	561.4	397.4	331.2	321.5	333.7	342.7	342.1	342.7
45°	1354.2	1238.4	879.0	556.9	385.2	321.5	313.8	324.7	327.9	324.7	324.1
47.5°	1484.7	1338.8	903.4	545.3	370.4	312.5	305.4	313.8	314.4	307.4	306.1
50°	1623.0	1439.1	925.9	524.1	353.0	302.2	297.7	304.8	303.5	291.9	290.0
52.5°	1758.0	1540.7	940.1	498.3	335.7	293.2	291.3	298.4	294.5	281.0	278.4
55°	1902.0	1634.5	942.7	472.6	318.9	285.5	285.5	293.2	288.7	274.6	272.6
57.5°	2042.9	1732.9	933.0	439.2	302.9	277.1	281.0	290.0	286.8	272.6	271.4
60°	2174.7	1806.9	906.7	407.7	288.1	271.4	277.8	288.1	285.5	273.9	272.6
62.5°	2276.9	1855.7	864.9	376.8	275.2	265.6	274.6	284.9	285.5	275.9	276.5
65°	2324.5	1855.7	804.4	345.9	263.6	259.8	271.4	282.9	284.2	278.4	278.4
67.5°	2314.2	1808.2	736.3	313.8	252.7	252.7	266.9	279.1	281.6	279.1	279.1
70°	2205.5	1679.6	643.0	288.1	241.8	244.3	259.8	272.6	276.5	277.1	276.5
72.5°	2028.7	1486.0	546.6	261.1	230.2	236.0	250.8	263.6	268.8	270.1	269.4
75°	1755.4	1261.6	452.0	238.6	218.0	225.1	240.5	251.4	257.2	259.8	258.5
77.5°	1410.8	1001.2	370.4	216.1	203.8	211.6	226.3	235.3	242.4	245.6	243.1
80°	1075.1	745.3	294.5	193.5	186.5	194.8	207.7	217.3	223.8	225.1	223.1
82.5°	763.3	528.6	236.0	172.3	167.8	174.9	186.5	192.9	200.6	200.0	196.1
85°	500.3	358.8	185.2	149.8	147.9	152.4	161.4	165.3	173.0	173.0	168.5
87.5°	325.4	237.9	146.0	126.0	128.0	131.8	136.3	139.5	142.7	143.4	139.5
90°	207.7	162.7	116.4	107.4	109.3	112.5	112.5	111.9	117.0	118.3	115.1
92.5°	136.3	115.7	96.5	91.3	92.6	93.2	93.2	90.7	95.2	95.8	93.2
95°	95.8	86.8	79.7	78.4	78.4	78.4	77.2	73.9	77.8	77.8	76.5
97.5°	72.0	67.5	66.9	66.9	66.9	66.2	64.3	63.0	64.3	64.3	63.7
100°	54.0	53.4	55.3	56.6	57.2	56.6	55.3	53.4	53.4	50.8	51.4
102.5°	41.2	42.4	46.3	48.2	48.2	48.2	47.6	45.0	43.7	41.2	40.5
105°	32.2	33.4	37.9	40.5	41.2	41.8	40.5	37.9	35.4	32.8	32.2
107.5°	25.1	27.0	30.9	34.1	35.4	35.4	34.7	32.2	28.9	25.7	25.7
110°	20.6	21.9	25.7	28.9	30.2	30.2	29.6	26.4	23.1	20.6	20.6



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.7	18.0	21.9	24.4	25.7	26.4	25.1	22.5	19.3	16.7	16.7
115°	14.1	15.4	18.6	20.6	21.9	21.9	21.2	18.6	16.1	14.1	14.1
117.5°	12.2	13.5	16.1	18.0	18.6	19.3	18.0	16.1	13.5	12.2	12.2
120°	10.9	11.6	14.1	15.4	16.1	16.1	15.4	13.5	11.6	10.9	10.9
122.5°	9.6	10.9	12.2	13.5	14.1	14.1	13.5	11.6	10.3	9.6	10.3
125°	9.0	9.6	10.9	12.2	12.2	12.2	11.6	10.3	9.0	9.0	9.0
127.5°	8.4	9.0	9.6	10.3	10.9	10.9	10.3	9.0	8.4	8.4	8.4
130°	7.7	8.4	9.0	9.0	9.6	9.6	9.0	7.7	7.7	7.7	7.7
132.5°	7.1	7.7	7.7	8.4	8.4	8.4	7.7	7.1	7.1	7.1	7.1
135°	6.4	6.4	7.1	7.1	7.1	7.1	6.4	6.4	6.4	6.4	6.4
137.5°	5.8	5.8	6.4	5.8	6.4	5.8	5.8	5.1	5.8	5.8	5.8
140°	5.1	5.1	5.1	5.1	5.1	5.1	4.5	4.5	5.1	5.1	5.1
142.5°	4.5	4.5	4.5	3.9	3.9	3.9	3.9	3.9	4.5	4.5	4.5
145°	3.9	3.9	3.9	3.2	3.2	2.6	3.2	3.2	3.9	3.9	3.9
147.5°	3.2	3.2	3.2	3.2	2.6	1.9	1.9	2.6	3.2	3.2	3.2
150°	2.6	3.2	3.2	2.6	1.9	1.3	1.3	1.9	2.6	2.6	2.6
152.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.6	1.3	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	1.3	1.3	1.3	1.3
157.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.6	1.3	0.6	0.6
160°	1.3	1.3	1.3	1.3	0.6	0.6	0.0	0.6	0.6	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)