

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: P416134

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-830-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5473 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

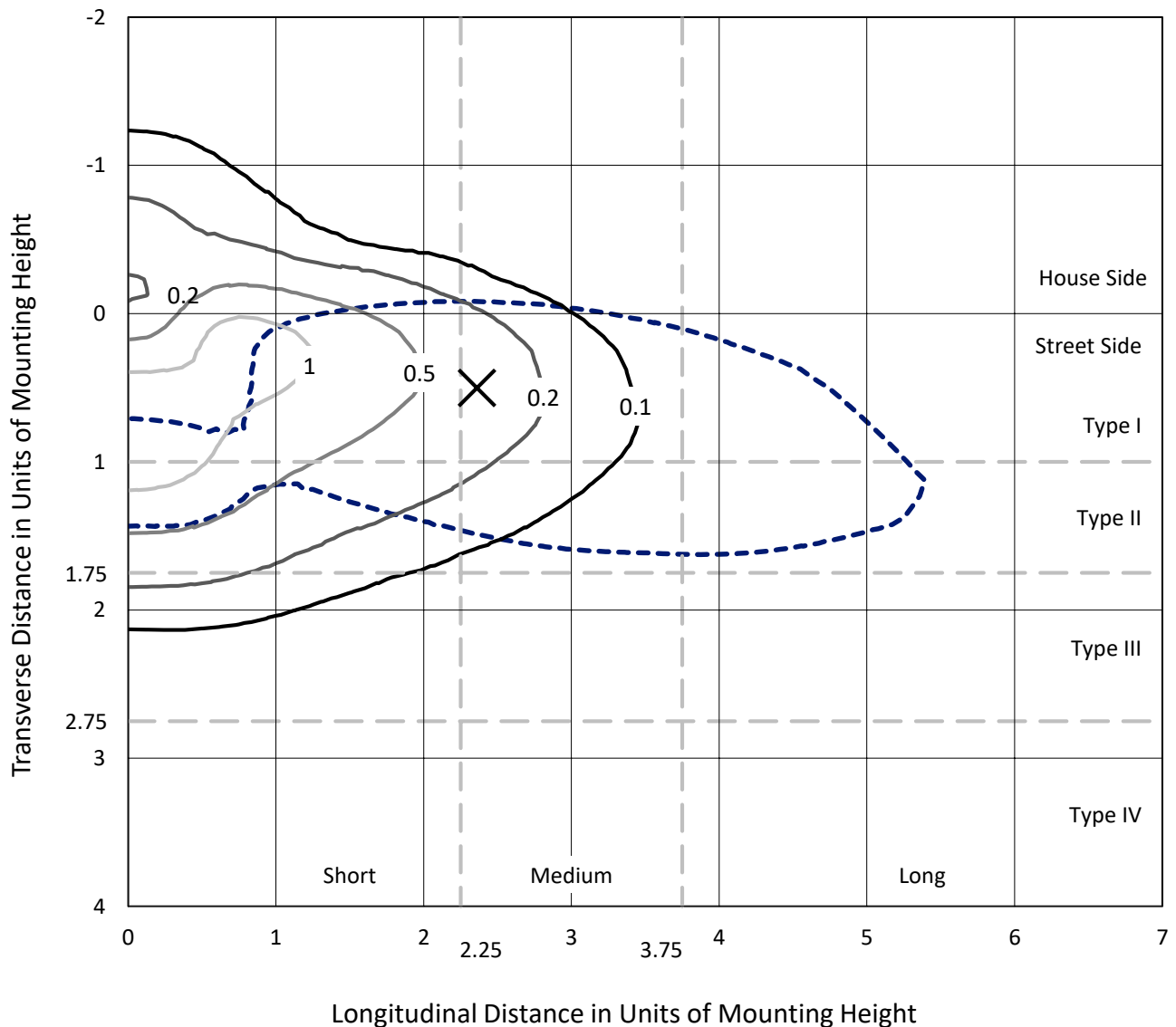
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

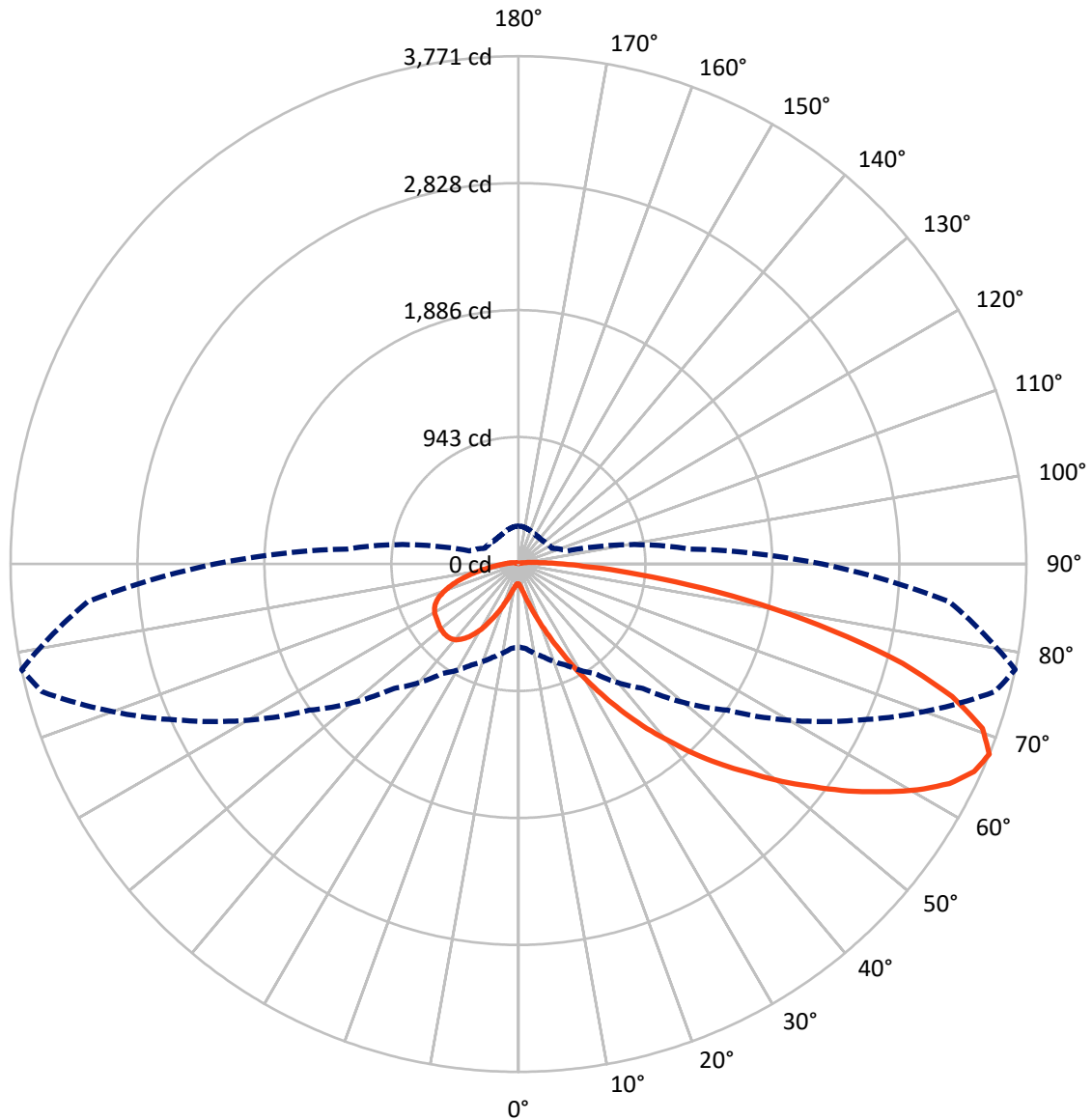


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1039.9	84.4	1124.4
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	4263.0	85.6	4348.6
	% Fixture	77.9	1.6	79.5
Total	Lumens	5303.0	170.0	5473.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.3
10°-20°	85.0	1.6
20°-30°	259.1	4.7
30°-40°	579.6	10.6
40°-50°	955.0	17.5
50°-60°	1175.4	21.5
60°-70°	1140.1	20.8
70°-80°	789.5	14.4
80°-90°	302.2	5.5
90°-100°	86.7	1.6
100°-110°	37.6	0.7
110°-120°	20.3	0.4
120°-130°	12.6	0.2
130°-140°	7.8	0.1
140°-150°	3.8	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5303.0	96.9
0°-180°	5473.0	100.0



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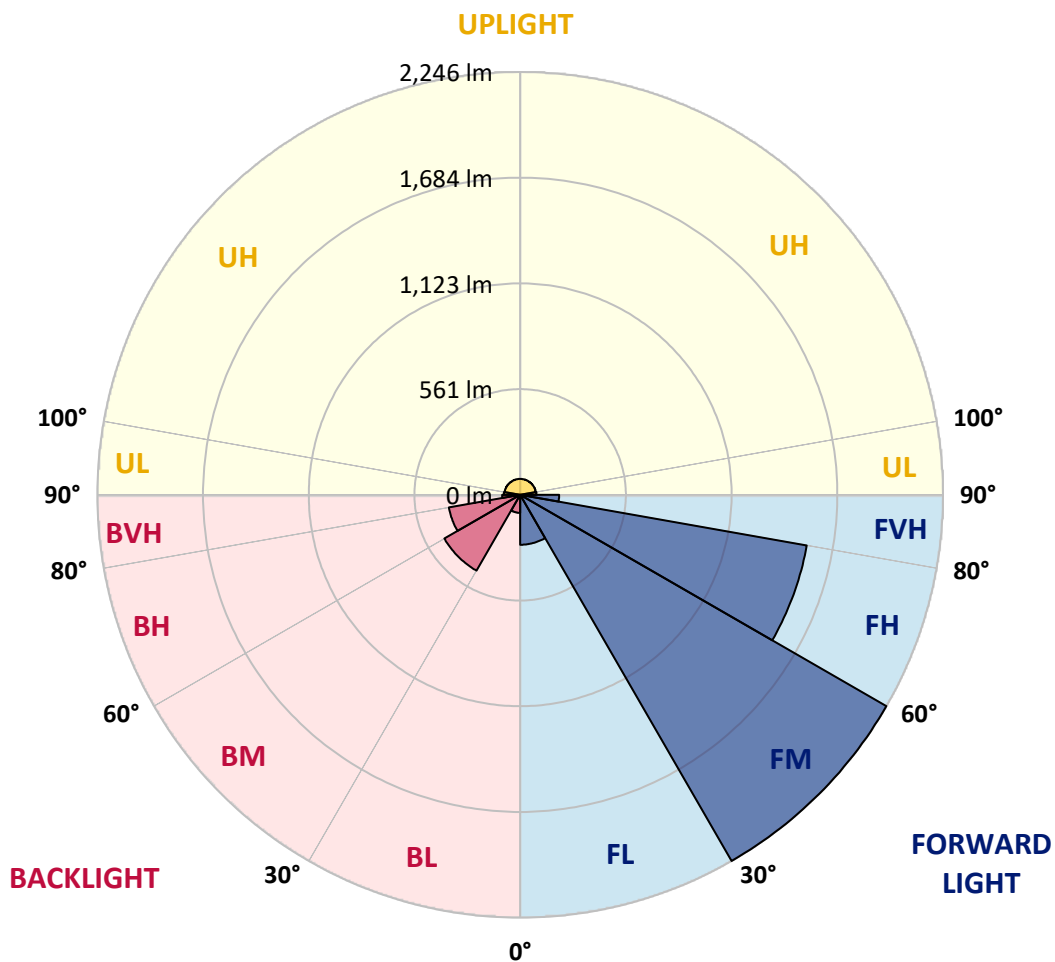
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.3	4.8			
FM (30°-60°)	2245.6	41.0			
FH (60°-80°)	1545.3	28.2			G1/1800
FVH (80°-90°)	206.9	3.8			G2/225
BL (0°-30°)	95.8	1.7	B0/110		
BM (30°-60°)	464.5	8.5	B1/1000		
BH (60°-80°)	384.3	7.0	B1/500		G1/500
BVH (80°-90°)	95.4	1.7			G1/100
UL (90°-100°)	86.7	1.6		U3/500	
UH (100°-180°)	84.4	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	177.6	176.3	176.3	175.7	173.1	170.5	166.6	162.0	158.2	155.6	153.0
5°	215.9	211.3	212.6	208.7	204.2	199.0	191.9	182.1	173.1	171.1	164.0
7.5°	261.9	256.0	258.0	253.4	245.0	234.0	224.3	210.0	196.4	191.9	181.5
10°	320.2	314.4	311.1	304.7	294.9	280.7	265.8	247.0	228.2	221.7	208.7
12.5°	389.6	385.0	380.5	371.4	355.9	337.7	318.9	298.2	273.5	265.1	245.0
15°	475.8	471.9	462.2	449.9	427.2	407.1	378.5	359.8	329.3	318.9	294.3
17.5°	572.4	564.6	554.9	536.7	510.8	485.5	461.5	429.8	396.7	388.3	357.8
20°	691.6	689.0	670.2	639.8	611.3	576.9	553.6	522.4	485.5	473.8	433.6
22.5°	832.9	827.8	805.7	759.7	716.9	672.8	654.0	621.6	595.0	578.8	526.3
25°	1002.8	993.0	956.7	901.6	840.7	788.2	757.1	745.4	724.7	700.1	635.9
27.5°	1183.6	1184.3	1134.3	1052.7	967.8	904.9	880.9	885.4	860.2	846.5	768.1
30°	1407.2	1391.0	1325.6	1225.1	1110.4	1029.3	1015.1	1037.8	1030.6	1004.1	911.4
32.5°	1630.9	1625.0	1544.0	1406.6	1256.2	1167.4	1157.0	1206.3	1204.4	1177.8	1059.8
35°	1853.9	1847.4	1746.9	1586.8	1408.5	1306.8	1297.7	1362.5	1385.9	1359.3	1227.0
37.5°	2078.1	2063.2	1962.1	1767.6	1553.1	1434.5	1438.4	1520.0	1574.5	1550.5	1388.4
40°	2275.8	2273.2	2155.3	1934.2	1692.4	1564.1	1590.0	1697.6	1764.4	1731.3	1552.4
42.5°	2427.5	2416.5	2312.1	2072.3	1817.6	1685.3	1730.0	1872.6	1958.2	1935.5	1713.8
45°	2497.5	2491.0	2407.4	2176.7	1914.8	1790.3	1861.0	2034.7	2151.4	2126.7	1879.8
47.5°	2478.7	2472.9	2427.5	2227.9	1979.0	1880.4	1976.4	2192.2	2354.3	2321.2	2045.1
50°	2365.9	2371.8	2357.5	2213.0	2001.6	1938.1	2085.9	2349.7	2552.6	2537.1	2204.5
52.5°	2159.8	2176.7	2199.3	2135.2	1980.9	1964.0	2165.0	2486.5	2749.7	2749.0	2381.5
55°	1892.1	1903.8	1982.8	1971.2	1901.8	1963.4	2223.3	2621.3	2971.3	2974.6	2564.3
57.5°	1608.2	1602.4	1707.4	1768.3	1786.4	1913.5	2251.8	2740.6	3167.1	3189.8	2757.4
60°	1297.7	1319.1	1417.6	1542.1	1610.1	1815.0	2242.1	2824.9	3355.7	3405.6	2933.1
62.5°	1054.6	1044.9	1153.1	1288.6	1426.7	1673.7	2171.5	2864.4	3535.3	3591.0	3095.2
65°	796.6	816.7	914.6	1034.5	1198.5	1495.4	2057.4	2843.7	3646.1	3717.4	3196.9
67.5°	614.5	630.1	713.7	826.5	993.7	1306.1	1892.7	2747.1	3663.0	3771.2	3211.2
70°	475.1	487.4	546.4	642.4	801.8	1097.4	1661.3	2563.0	3570.9	3655.2	3080.2
72.5°	378.5	383.7	425.2	503.0	633.3	895.2	1409.8	2273.9	3292.9	3368.0	2811.9
75°	297.5	305.3	339.0	397.3	494.6	715.6	1152.5	1921.3	2869.6	2947.4	2441.8
77.5°	236.6	244.4	269.7	310.5	383.7	551.6	900.3	1565.4	2342.6	2390.6	1945.2
80°	188.0	191.9	213.3	243.7	298.2	425.2	678.0	1188.2	1774.1	1824.0	1445.5
82.5°	142.6	145.8	167.2	193.8	232.7	322.2	490.0	835.5	1249.7	1263.3	981.4
85°	102.4	108.2	125.8	147.8	178.3	239.8	351.3	567.2	797.3	818.0	621.6
87.5°	72.6	75.2	92.7	113.4	136.1	177.6	244.4	373.4	490.7	484.9	377.3
90°	49.3	51.2	66.8	83.6	103.7	132.9	170.5	234.6	301.4	291.7	236.6
92.5°	33.1	36.3	49.3	63.5	81.0	102.4	121.2	153.6	186.7	177.6	150.4
95°	24.6	25.9	37.6	50.6	64.8	78.4	90.1	105.0	119.3	116.7	103.7
97.5°	19.4	20.7	30.5	41.5	52.5	63.5	70.0	75.2	83.0	82.3	74.5
100°	16.9	17.5	25.9	35.7	45.4	53.2	57.0	58.3	60.9	59.6	57.0
102.5°	14.3	15.6	22.7	31.1	39.5	45.4	48.0	46.7	46.0	44.7	42.1
105°	13.0	13.6	20.1	27.9	35.0	39.5	40.2	38.2	35.0	34.4	33.1
107.5°	12.3	13.0	18.1	25.3	31.1	35.0	34.4	31.8	27.9	26.6	25.9
110°	11.7	12.3	16.9	22.7	28.5	31.1	30.5	26.6	22.0	20.7	21.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	11.7	11.7	15.6	20.7	25.9	27.9	26.6	22.7	18.1	17.5	18.1
115°	11.0	11.7	14.9	19.4	23.3	25.3	23.3	19.4	15.6	14.9	15.6
117.5°	11.0	11.7	14.3	18.1	22.0	22.7	20.7	16.9	13.0	13.0	14.3
120°	11.0	11.7	13.6	16.9	20.1	20.7	18.8	14.9	11.7	11.7	13.0
122.5°	11.7	11.7	13.0	16.2	18.8	19.4	16.9	13.0	11.0	11.0	12.3
125°	11.7	11.7	13.0	14.9	17.5	17.5	15.6	11.7	9.7	9.7	11.7
127.5°	11.7	11.7	13.0	14.3	16.2	16.2	14.3	11.0	9.1	9.1	11.0
130°	11.7	12.3	12.3	13.6	14.9	14.9	13.0	9.7	9.1	9.1	10.4
132.5°	12.3	12.3	12.3	13.0	14.3	13.6	11.0	9.1	8.4	8.4	9.7
135°	11.7	11.7	11.7	12.3	13.0	12.3	9.7	7.8	7.8	8.4	9.1
137.5°	11.7	11.7	11.7	11.0	11.7	11.0	9.1	7.1	7.1	7.8	8.4
140°	10.4	11.0	10.4	10.4	10.4	9.7	7.8	5.8	6.5	7.1	7.1
142.5°	9.7	9.7	9.7	9.1	9.1	8.4	6.5	5.2	5.8	5.8	6.5
145°	9.1	9.1	8.4	7.8	7.8	6.5	5.2	4.5	5.2	5.2	5.8
147.5°	7.8	7.8	7.8	6.5	5.8	5.2	3.2	3.2	3.9	4.5	4.5
150°	6.5	6.5	6.5	5.8	4.5	3.9	2.6	3.2	3.2	3.2	3.9
152.5°	5.2	5.2	5.2	4.5	3.9	2.6	1.9	2.6	2.6	2.6	3.2
155°	3.2	3.2	3.2	3.2	2.6	1.3	1.9	1.9	2.6	2.6	2.6
157.5°	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
160°	0.6	0.6	1.3	1.3	1.9	1.3	1.3	1.3	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°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	151.0	149.1	145.8	142.6	139.4	136.1	133.5	132.9	130.9	130.9	130.3
5°	160.1	156.9	148.4	142.0	134.8	129.0	124.5	122.5	120.6	119.3	119.3
7.5°	176.3	169.2	156.9	145.8	136.1	127.7	121.9	118.6	116.0	114.7	114.7
10°	198.3	189.3	170.5	154.3	140.0	129.6	123.2	119.3	117.3	116.0	115.4
12.5°	230.8	217.8	190.6	167.2	149.1	136.1	127.7	125.1	125.8	125.8	125.8
15°	274.8	256.0	219.1	187.3	161.4	144.5	138.7	138.7	140.7	141.3	140.0
17.5°	331.9	306.6	254.7	207.4	177.0	159.5	153.0	153.0	156.2	158.2	158.2
20°	401.9	365.6	292.3	234.0	195.1	176.3	168.5	169.2	173.1	175.7	175.7
22.5°	482.3	439.5	340.3	261.2	215.2	191.2	182.8	183.4	189.9	193.2	194.5
25°	586.6	520.5	388.3	289.1	234.0	205.5	197.1	197.7	206.1	210.7	210.7
27.5°	696.8	610.6	436.9	316.3	250.2	218.4	210.0	212.0	221.0	224.9	226.2
30°	814.1	706.5	485.5	339.7	263.2	228.2	219.7	223.6	232.1	237.9	238.5
32.5°	944.4	800.5	524.4	358.5	274.2	236.6	228.2	234.0	241.1	247.6	248.3
35°	1080.5	893.9	558.7	371.4	281.3	243.7	234.6	240.5	247.6	253.4	252.8
37.5°	1202.4	970.4	581.4	376.6	285.2	247.6	239.2	245.0	251.5	256.0	256.0
40°	1322.3	1050.1	592.5	372.7	285.2	249.6	241.1	247.6	253.4	256.0	256.0
42.5°	1436.4	1109.1	590.5	364.9	283.9	250.2	242.4	248.3	253.4	254.7	254.7
45°	1534.9	1163.5	578.8	352.0	279.4	249.6	243.1	248.3	252.1	252.1	252.8
47.5°	1651.6	1206.3	562.0	338.4	274.2	248.3	241.8	247.6	250.9	250.9	250.2
50°	1756.6	1247.8	539.3	323.5	269.7	247.0	241.1	247.0	250.9	249.6	249.6
52.5°	1868.1	1284.7	516.0	309.8	265.1	246.3	241.1	247.0	250.9	250.2	250.9
55°	1971.2	1321.7	486.8	297.5	262.5	245.7	241.8	247.6	252.8	252.8	252.1
57.5°	2103.4	1341.1	464.1	289.1	259.9	245.7	242.4	248.9	255.4	256.0	256.7
60°	2196.7	1366.4	445.3	283.9	259.9	247.0	244.4	250.9	259.3	262.5	264.5
62.5°	2264.8	1365.1	422.6	281.3	260.6	248.3	246.3	252.8	263.8	268.4	270.9
65°	2300.5	1341.8	399.3	279.4	261.2	249.6	247.6	254.1	267.1	275.5	278.1
67.5°	2253.8	1278.9	375.3	276.1	260.6	248.9	248.3	255.4	269.0	280.0	281.3
70°	2140.4	1172.6	346.8	269.0	258.0	247.0	246.3	252.1	267.1	280.0	281.3
72.5°	1925.2	1037.8	313.7	258.6	252.1	242.4	240.5	246.3	260.6	273.5	273.5
75°	1637.4	881.6	281.3	243.7	240.5	234.6	232.7	235.9	248.3	260.6	261.2
77.5°	1282.1	702.0	247.0	223.0	226.2	221.7	219.7	221.7	232.7	241.1	241.8
80°	975.5	534.8	213.9	198.3	206.1	204.8	202.9	202.2	210.0	216.5	214.6
82.5°	672.8	380.5	177.0	172.4	180.8	182.8	182.1	177.6	183.4	188.6	185.4
85°	434.3	269.0	147.8	145.8	153.6	156.9	156.2	153.0	154.3	160.1	153.6
87.5°	280.7	193.2	121.9	120.6	127.0	130.9	130.9	124.5	127.0	132.9	125.8
90°	175.7	136.8	101.8	101.1	105.7	107.6	105.0	101.1	102.4	105.7	103.1
92.5°	124.5	103.1	84.9	84.9	86.2	87.5	86.2	81.7	84.3	84.3	84.3
95°	90.7	81.7	73.9	72.6	72.0	71.3	70.7	67.4	70.0	69.4	67.4
97.5°	69.4	65.5	62.9	62.2	60.9	60.3	59.6	57.0	59.0	57.7	56.4
100°	54.4	53.8	53.8	53.8	52.5	50.6	50.6	49.9	49.9	48.0	48.0
102.5°	43.4	43.4	46.0	46.7	45.4	44.1	44.1	43.4	42.8	40.2	39.5
105°	34.4	35.7	39.5	40.2	39.5	38.2	37.6	37.6	36.3	33.1	33.1
107.5°	27.9	29.2	33.7	35.0	34.4	33.7	33.1	32.4	31.1	27.9	27.9
110°	22.7	24.6	28.5	30.5	29.8	29.2	29.2	27.9	26.6	24.0	24.0



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.4	21.4	24.6	26.6	26.6	25.9	25.3	24.6	22.7	20.7	20.7
115°	16.9	18.8	22.0	23.3	23.3	22.7	22.0	21.4	19.4	18.1	18.8
117.5°	15.6	16.9	19.4	20.7	20.7	20.1	19.4	18.8	17.5	16.9	16.9
120°	14.3	15.6	17.5	18.8	18.8	18.1	17.5	16.9	15.6	15.6	15.6
122.5°	13.0	14.3	16.2	16.9	16.9	16.2	15.6	14.9	13.6	14.3	14.3
125°	12.3	13.0	14.3	15.6	15.6	14.9	14.3	13.0	12.3	13.0	13.0
127.5°	11.7	12.3	13.6	14.3	14.3	13.6	12.3	11.7	11.0	11.7	11.7
130°	11.0	11.7	12.3	13.0	13.0	11.7	11.0	10.4	10.4	11.0	11.0
132.5°	10.4	11.0	11.0	11.7	11.7	11.0	9.7	9.1	9.1	9.7	9.7
135°	9.7	9.7	10.4	10.4	10.4	9.7	8.4	7.8	8.4	9.1	9.1
137.5°	8.4	9.1	9.1	9.7	9.1	8.4	7.1	7.1	7.8	7.8	7.8
140°	7.8	7.8	8.4	8.4	7.8	7.1	6.5	5.8	6.5	7.1	7.1
142.5°	7.1	7.1	7.1	7.1	7.1	5.8	5.2	5.2	5.8	5.8	5.8
145°	5.8	5.8	6.5	5.8	5.8	4.5	3.9	4.5	5.2	5.2	5.2
147.5°	4.5	5.2	5.2	5.2	4.5	3.2	2.6	3.9	4.5	4.5	4.5
150°	3.9	3.9	3.9	3.9	3.9	2.6	1.9	3.2	3.9	3.9	3.9
152.5°	3.2	3.2	3.9	3.9	3.2	1.9	1.3	2.6	3.2	3.2	2.6
155°	2.6	2.6	3.2	3.2	2.6	1.3	1.3	1.9	2.6	2.6	1.9
157.5°	1.9	2.6	2.6	2.6	1.9	1.3	0.6	1.3	1.9	1.9	1.9
160°	1.9	1.9	1.9	2.6	1.9	1.3	0.6	1.3	1.9	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

(END OF REPORT)