

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: P415817

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6040 lumens
Efficiency: N/A
Efficacy: 94.4 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 (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

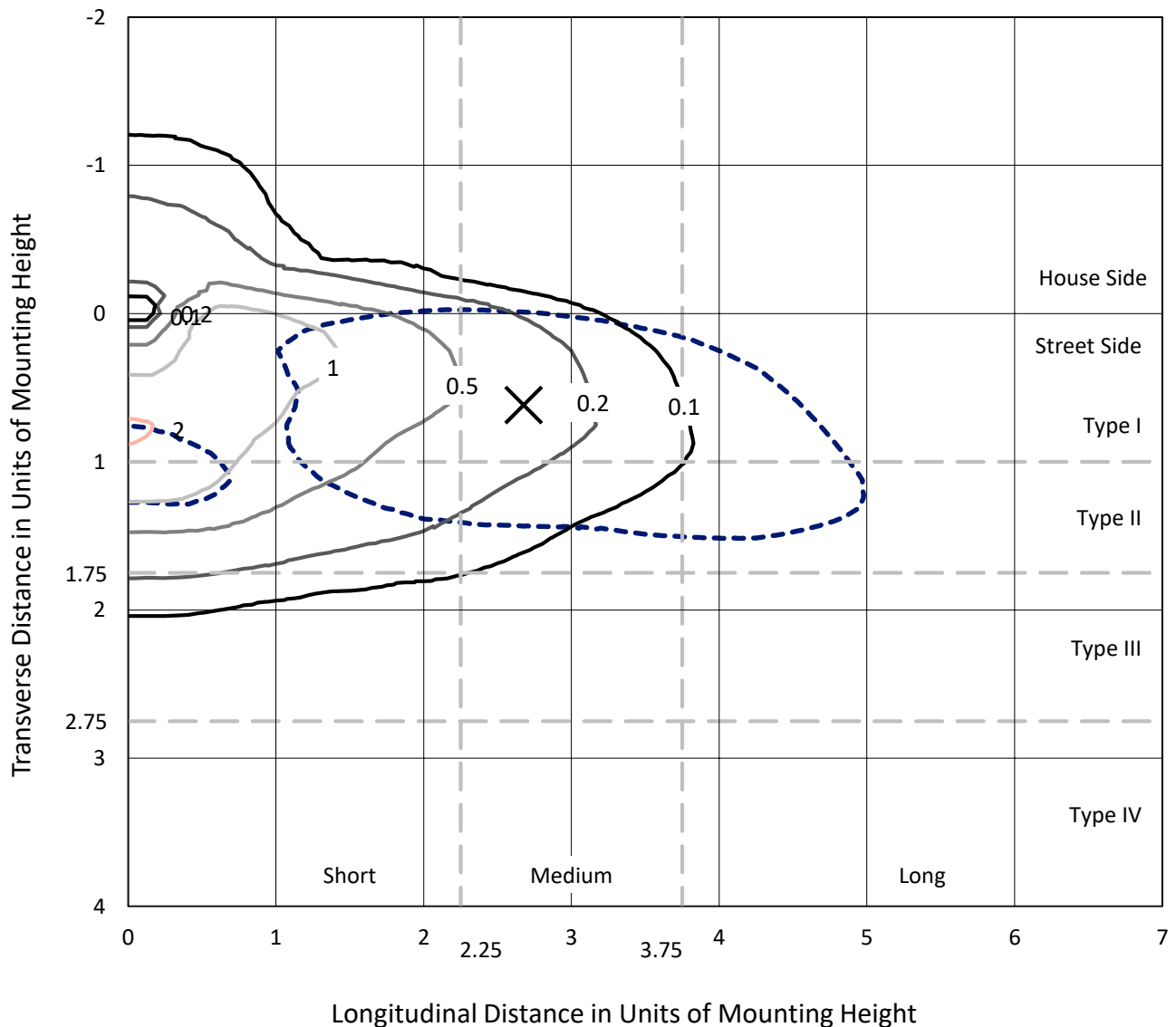


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

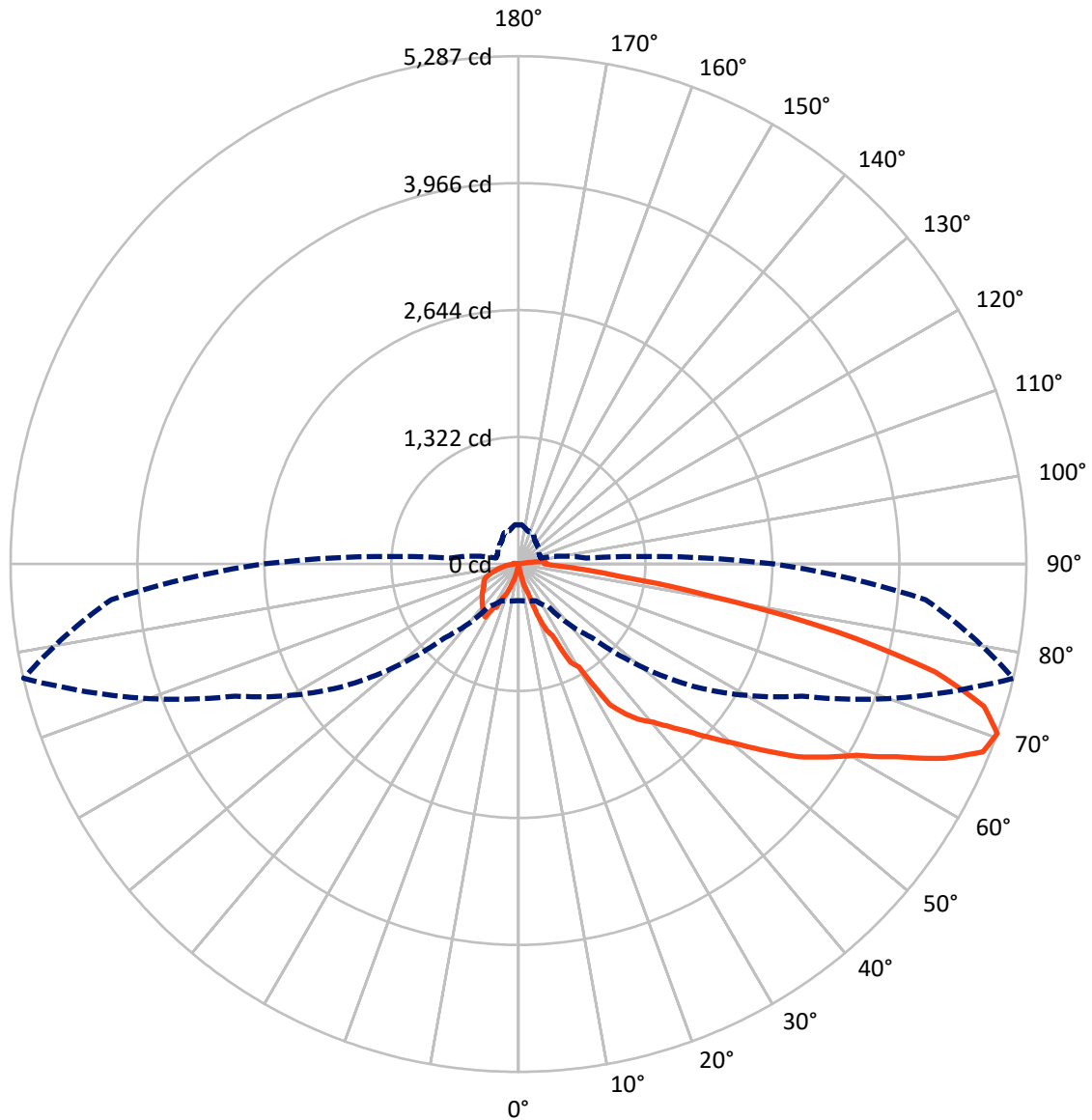


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1021.6	44.8	1066.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	4917.8	55.8	4973.6
	% Fixture	81.4	0.9	82.3
Total	Lumens	5939.4	100.6	6040.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	71.9	1.2
20°-30°	284.6	4.7
30°-40°	687.4	11.4
40°-50°	1111.9	18.4
50°-60°	1329.8	22.0
60°-70°	1300.4	21.5
70°-80°	899.0	14.9
80°-90°	249.5	4.1
90°-100°	65.6	1.1
100°-110°	13.4	0.2
110°-120°	7.2	0.1
120°-130°	5.7	0.1
130°-140°	3.9	0.1
140°-150°	3.2	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5939.4	98.3
0°-180°	6040.0	100.0

Coefficient of Utilization



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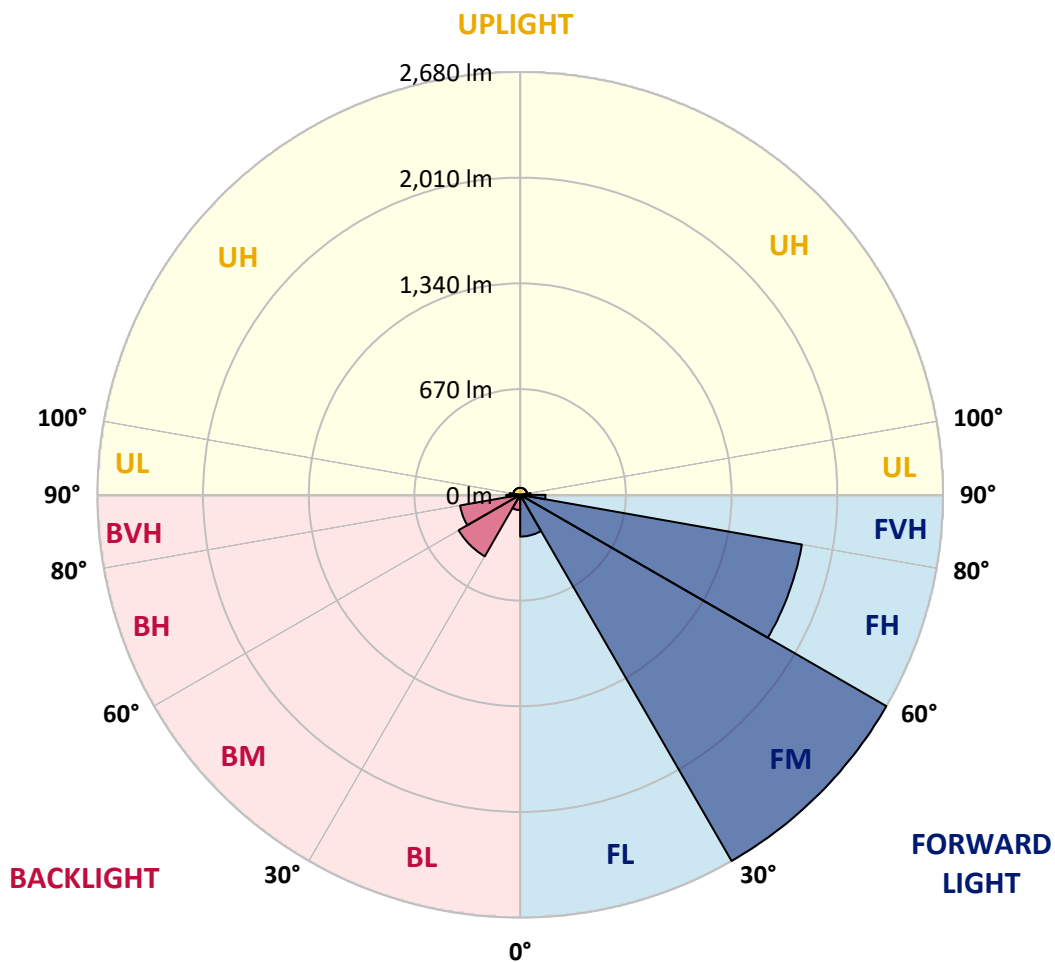
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.6	4.4			
FM (30°-60°)	2679.8	44.4			
FH (60°-80°)	1812.7	30.0			G2/5000
FVH (80°-90°)	160.7	2.7			G2/225
BL (0°-30°)	96.7	1.6	B0/110		
BM (30°-60°)	449.3	7.4	B1/1000		
BH (60°-80°)	386.7	6.4	B1/500		G1/500
BVH (80°-90°)	88.7	1.5			G1/100
UL (90°-100°)	65.6	1.1		U3/500	
UH (100°-180°)	44.8	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	7.5	6.8	6.8	7.5	8.9	8.2	6.1	4.8	4.1	4.1	4.1
5°	148.0	143.3	139.8	98.9	21.8	13.0	8.2	6.1	4.8	4.8	4.1
7.5°	176.7	174.0	172.6	167.8	162.4	151.4	27.3	8.9	5.5	5.5	4.8
10°	199.9	197.8	195.1	192.4	184.9	177.4	162.4	22.5	8.9	8.9	7.5
12.5°	407.3	401.1	395.7	281.1	208.7	200.6	186.2	127.6	96.9	93.5	112.6
15°	418.2	418.2	418.2	421.6	415.4	223.7	304.9	382.0	252.4	244.2	252.4
17.5°	445.5	441.4	434.5	436.6	444.8	493.9	455.0	425.0	336.3	298.8	290.6
20°	666.5	663.1	665.1	616.7	474.1	622.1	618.0	478.9	546.4	553.9	539.6
22.5°	711.5	710.8	708.8	706.0	810.4	660.3	710.8	753.1	763.3	748.3	620.8
25°	1009.6	1002.1	911.4	768.1	868.4	794.7	948.2	835.0	850.0	823.4	786.5
27.5°	1153.5	1137.8	1122.2	1079.2	932.5	1062.1	1008.9	1101.0	1234.0	1163.1	1000.7
30°	1521.9	1530.8	1277.0	1262.7	1153.5	1126.2	1235.4	1294.1	1295.4	1243.6	1123.5
32.5°	1873.9	1850.0	1790.7	1535.5	1373.9	1261.3	1432.5	1378.0	1695.2	1744.3	1523.3
35°	2219.1	2172.7	1998.7	1825.5	1603.1	1554.6	1534.9	1725.2	1845.2	1915.5	1648.1
37.5°	2710.9	2677.5	2511.0	2058.1	1848.0	1673.3	1799.5	1836.4	2027.4	2057.4	1818.6
40°	2891.7	2869.2	2730.7	2375.3	2039.7	1867.8	1918.2	1970.1	2208.2	2166.5	1946.9
42.5°	3021.3	3013.1	2902.6	2541.1	2289.3	2060.8	2055.4	2082.0	2393.7	2317.3	2075.1
45°	3120.9	3109.3	3043.8	2647.5	2407.4	2180.2	2203.4	2219.8	2556.7	2489.9	2221.8
47.5°	3101.8	3106.6	3115.4	2779.8	2477.6	2296.8	2354.8	2338.5	2689.8	2705.5	2386.2
50°	2955.1	2964.7	3030.2	2833.0	2517.9	2392.3	2485.8	2470.8	2875.3	2940.8	2575.8
52.5°	2519.2	2534.9	2777.8	2750.5	2553.3	2467.4	2620.2	2623.6	3092.2	3231.4	2818.0
55°	1844.6	1903.9	2199.3	2476.9	2514.4	2491.3	2710.2	2817.3	3341.9	3542.5	3034.3
57.5°	1483.7	1471.4	1675.4	2079.9	2322.1	2461.9	2805.1	2989.9	3569.8	3792.1	3250.5
60°	1151.5	1155.6	1306.3	1596.3	1985.1	2389.6	2901.9	3145.4	3850.1	4043.2	3515.2
62.5°	857.5	865.7	974.8	1148.1	1600.4	2187.7	2931.9	3339.9	4239.6	4422.5	3835.1
65°	622.8	636.5	695.8	802.2	1156.3	1884.8	2840.5	3485.2	4671.4	4879.5	4176.9
67.5°	468.0	475.5	510.3	575.1	826.1	1496.0	2614.7	3476.3	4888.4	5215.8	4323.5
70°	380.6	384.1	397.0	420.2	542.3	1084.6	2218.4	3252.5	4934.8	5287.4	4255.3
72.5°	323.3	322.0	322.7	326.1	374.5	741.5	1713.6	2833.7	4757.4	5069.8	3947.7
75°	276.3	274.2	274.2	270.8	289.2	520.5	1180.1	2287.3	4286.0	4479.8	3325.5
77.5°	235.3	231.9	231.3	224.4	232.6	387.5	781.8	1703.4	3391.0	3394.4	2357.6
80°	200.6	194.4	191.7	186.9	196.5	295.4	510.3	1111.2	2074.5	2041.0	1308.4
82.5°	148.0	148.0	152.1	153.5	169.2	219.0	360.2	661.0	1132.4	1071.7	758.6
85°	85.3	92.8	109.8	111.9	129.6	145.3	270.8	391.6	633.7	611.2	388.8
87.5°	31.4	30.0	45.7	48.4	54.6	54.6	147.3	214.9	332.2	345.9	306.3
90°	25.9	25.9	17.7	16.4	21.1	35.5	99.6	150.8	249.7	268.1	289.2
92.5°	27.3	27.3	17.7	15.7	19.8	31.4	83.9	142.6	262.0	287.2	298.8
95°	25.9	26.6	15.7	14.3	18.4	26.6	62.8	122.1	251.7	275.6	292.0
97.5°	22.5	23.2	13.0	12.3	16.4	19.1	34.1	60.7	125.5	130.3	135.1
100°	18.4	18.4	9.6	10.2	13.0	13.0	17.7	32.1	30.7	25.2	21.8
102.5°	15.7	17.1	8.9	8.2	9.6	8.2	8.2	12.3	18.4	15.7	21.1
105°	13.0	14.3	7.5	6.8	7.5	6.8	5.5	8.9	13.6	15.7	22.5
107.5°	8.9	9.6	5.5	6.1	6.1	6.1	4.1	6.8	13.0	15.0	23.2
110°	6.1	6.1	4.1	5.5	5.5	6.1	4.1	6.8	10.2	11.6	18.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.1	4.1	3.4	4.1	4.8	4.8	4.1	6.1	8.9	9.6	13.0
115°	3.4	3.4	2.7	3.4	4.1	4.1	3.4	5.5	8.9	10.2	13.6
117.5°	4.1	3.4	2.7	3.4	4.1	3.4	3.4	4.8	8.9	10.2	13.6
120°	4.1	4.1	3.4	3.4	3.4	3.4	3.4	4.8	8.9	10.2	13.6
122.5°	4.8	4.1	3.4	3.4	3.4	3.4	3.4	4.1	8.2	9.6	13.0
125°	4.8	4.8	3.4	3.4	4.1	3.4	3.4	4.1	8.2	8.9	12.3
127.5°	5.5	4.8	4.1	3.4	4.1	3.4	3.4	4.1	7.5	8.2	10.9
130°	5.5	5.5	4.1	3.4	4.1	3.4	3.4	3.4	6.1	6.8	9.6
132.5°	5.5	5.5	4.8	4.1	4.8	4.1	3.4	3.4	4.8	5.5	7.5
135°	6.1	5.5	5.5	4.8	5.5	4.8	3.4	3.4	3.4	4.1	5.5
137.5°	6.1	6.1	6.1	5.5	6.1	4.8	3.4	3.4	3.4	3.4	4.1
140°	7.5	7.5	6.8	6.1	6.8	5.5	4.1	3.4	3.4	3.4	4.1
142.5°	8.9	8.9	8.2	7.5	6.8	5.5	4.8	4.1	4.1	4.1	4.1
145°	10.2	9.6	9.6	8.2	6.8	5.5	4.8	4.8	4.8	4.8	4.8
147.5°	10.2	10.2	9.6	7.5	6.1	4.1	4.1	5.5	5.5	5.5	5.5
150°	9.6	9.6	8.2	6.8	4.8	3.4	3.4	4.8	5.5	5.5	5.5
152.5°	7.5	6.8	6.1	4.1	3.4	2.0	2.7	3.4	4.1	4.1	4.8
155°	4.8	4.1	3.4	2.7	2.7	2.0	2.0	2.7	2.7	2.7	3.4
157.5°	2.0	2.0	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.7	0.7	0.7	0.7	2.0	2.0	2.0	1.4	1.4	1.4	1.4
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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	4.1	4.1	4.1	4.1	4.1	3.4	4.1	4.8	5.5	5.5	5.5
5°	4.1	4.1	4.1	4.8	4.8	4.1	4.8	6.1	6.8	6.8	6.8
7.5°	4.8	4.1	4.8	5.5	5.5	5.5	23.9	68.9	76.4	77.8	79.1
10°	6.8	6.8	6.8	7.5	8.2	71.6	84.6	88.7	91.4	93.5	94.1
12.5°	103.7	90.7	56.6	15.0	72.3	88.7	93.5	100.3	103.7	107.8	106.4
15°	232.6	206.0	154.9	132.3	129.6	98.9	103.7	172.6	191.7	195.1	194.4
17.5°	263.3	226.5	172.6	184.2	191.7	148.7	174.6	193.1	196.5	199.9	199.2
20°	489.8	390.2	234.0	202.6	200.6	251.0	186.2	192.4	199.2	234.7	238.8
22.5°	543.7	448.9	306.3	296.7	242.2	255.1	242.8	246.3	267.4	267.4	266.0
25°	680.8	543.0	345.9	302.9	307.7	253.8	285.1	246.3	250.4	250.4	251.0
27.5°	885.4	697.9	459.1	337.7	304.2	307.0	270.8	249.7	285.8	289.9	292.0
30°	947.5	724.5	454.3	377.2	317.9	298.1	253.1	279.7	269.5	269.5	267.4
32.5°	1324.1	988.5	565.5	369.0	326.1	277.0	280.4	263.3	258.5	279.7	279.7
35°	1398.4	1017.8	545.7	415.4	313.1	288.6	266.7	270.8	262.0	260.6	258.5
37.5°	1483.7	1038.3	501.4	390.2	330.8	277.0	275.6	265.4	253.8	270.1	272.9
40°	1564.9	1058.0	465.9	360.2	305.6	275.6	270.1	264.7	240.1	240.1	239.4
42.5°	1656.3	1071.0	433.9	336.3	281.1	276.3	261.3	244.2	227.8	232.6	231.3
45°	1751.1	1079.2	401.1	309.7	259.2	285.8	262.0	254.4	241.5	243.5	241.5
47.5°	1867.8	1092.8	372.5	283.8	245.6	262.0	247.6	244.2	251.7	244.9	249.0
50°	1991.9	1100.3	345.9	261.3	231.9	254.4	256.5	246.3	251.7	240.1	239.4
52.5°	2140.6	1107.1	317.2	246.3	229.9	253.1	268.8	257.9	248.3	233.3	231.9
55°	2271.6	1085.3	292.6	236.7	243.5	250.4	279.0	266.0	246.3	229.2	229.9
57.5°	2414.2	1057.4	272.9	232.6	240.8	245.6	293.3	277.6	255.1	255.8	256.5
60°	2561.5	1030.7	260.6	231.9	237.4	247.6	295.4	293.3	266.7	272.9	277.6
62.5°	2737.5	1009.6	258.5	236.7	249.7	258.5	297.4	318.6	295.4	298.1	299.5
65°	2875.3	948.2	256.5	239.4	254.4	260.6	298.1	336.3	326.1	341.8	340.4
67.5°	2833.0	835.0	253.1	242.2	257.9	271.5	297.4	349.3	347.9	384.1	380.6
70°	2660.4	709.4	242.2	238.8	259.2	277.0	298.1	352.7	358.8	410.0	406.6
72.5°	2369.8	572.3	222.4	229.2	259.9	283.8	307.0	353.4	360.2	432.5	422.3
75°	1983.0	462.5	193.1	207.4	268.1	287.9	309.0	346.5	346.5	414.8	401.8
77.5°	1427.1	356.1	166.4	188.3	265.4	285.1	302.9	330.8	326.1	358.8	346.5
80°	831.6	262.6	141.9	184.9	249.0	279.7	285.8	292.0	269.5	277.0	269.5
82.5°	499.3	194.4	122.8	165.8	219.0	251.7	256.5	246.3	216.2	215.6	205.3
85°	299.5	133.0	90.0	128.2	172.6	210.1	215.6	186.9	158.9	175.3	156.9
87.5°	221.0	83.9	62.1	79.8	105.1	98.2	128.2	120.7	103.0	98.9	97.5
90°	199.2	64.1	51.2	64.8	70.9	60.7	65.5	65.5	53.2	52.5	49.8
92.5°	197.1	60.0	54.6	63.4	57.3	48.4	53.2	52.5	42.3	40.2	38.2
95°	184.2	53.9	54.6	57.3	50.5	39.6	43.0	40.2	30.0	28.0	25.9
97.5°	86.6	37.5	51.8	49.8	41.6	30.7	35.5	30.7	21.1	18.4	18.4
100°	20.5	32.1	44.3	45.0	33.4	23.2	24.6	19.8	13.6	11.6	11.6
102.5°	20.5	14.3	27.3	35.5	20.5	9.6	13.6	13.0	10.2	10.2	10.9
105°	20.5	13.6	13.6	23.2	12.3	6.1	6.1	8.2	8.9	11.6	13.0
107.5°	21.1	14.3	10.9	10.9	8.9	6.1	5.5	6.1	8.9	13.6	14.3
110°	17.7	13.0	10.2	9.6	8.9	6.1	4.8	6.1	8.9	15.0	16.4



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CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	11.6	8.9	8.9	7.5	6.1	4.8	5.5	9.6	16.4	17.7
115°	13.0	10.9	8.2	7.5	6.1	5.5	4.8	5.5	10.2	17.7	19.1
117.5°	13.6	10.9	7.5	6.8	5.5	4.1	4.1	5.5	10.2	18.4	19.8
120°	13.6	10.9	7.5	6.8	5.5	4.1	4.1	6.1	10.9	17.7	19.1
122.5°	13.0	10.9	7.5	6.8	5.5	3.4	4.1	5.5	10.2	17.1	18.4
125°	11.6	10.2	7.5	6.1	5.5	3.4	4.1	5.5	10.2	16.4	17.1
127.5°	10.9	9.6	6.8	6.1	4.8	3.4	4.1	5.5	9.6	15.0	15.7
130°	9.6	8.9	6.1	5.5	4.8	3.4	4.1	5.5	9.6	13.6	14.3
132.5°	7.5	6.8	5.5	4.8	4.8	3.4	4.1	4.8	7.5	11.6	12.3
135°	5.5	5.5	4.8	4.8	4.8	3.4	4.1	4.1	6.1	8.9	9.6
137.5°	4.1	4.1	4.1	4.8	4.1	3.4	3.4	4.1	5.5	6.8	7.5
140°	4.1	4.1	4.1	4.8	4.1	3.4	3.4	4.1	4.8	5.5	6.1
142.5°	4.1	4.1	4.1	4.8	4.1	2.7	3.4	4.1	4.8	5.5	5.5
145°	4.8	4.8	4.8	4.8	4.1	2.7	2.7	4.1	4.8	5.5	5.5
147.5°	5.5	5.5	4.8	4.8	4.1	2.0	2.0	4.1	4.8	5.5	5.5
150°	5.5	5.5	4.8	4.8	3.4	2.0	2.0	3.4	4.8	4.8	4.8
152.5°	4.1	4.1	4.1	4.1	3.4	1.4	1.4	2.7	4.1	4.1	4.1
155°	3.4	3.4	3.4	3.4	2.7	1.4	0.7	2.0	3.4	3.4	3.4
157.5°	2.0	2.7	2.7	3.4	2.7	1.4	0.7	1.4	2.7	2.7	2.7
160°	1.4	2.0	2.0	2.7	2.7	1.4	0.7	1.4	2.0	2.0	2.0
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)