

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: P414167

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2178 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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

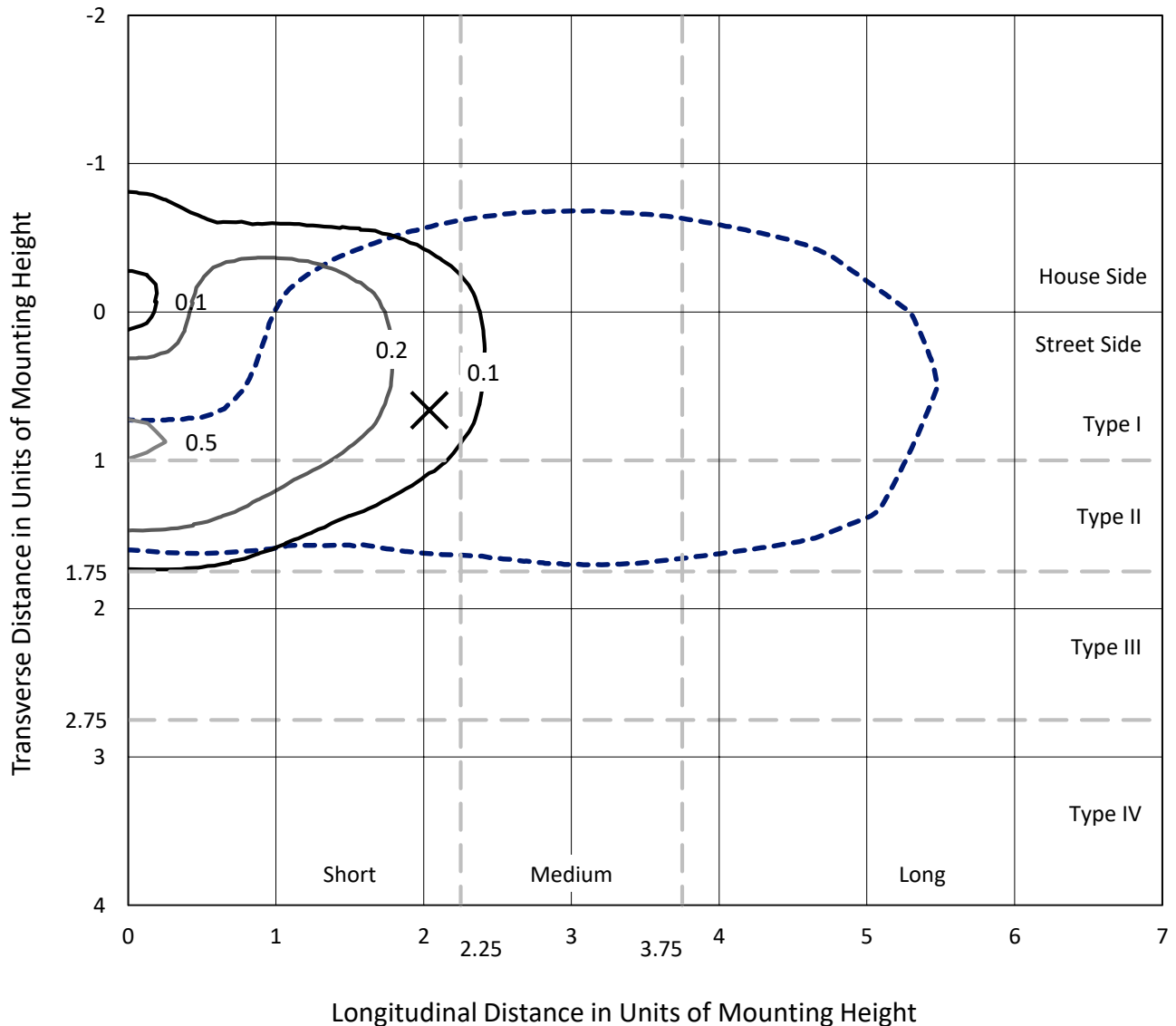


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

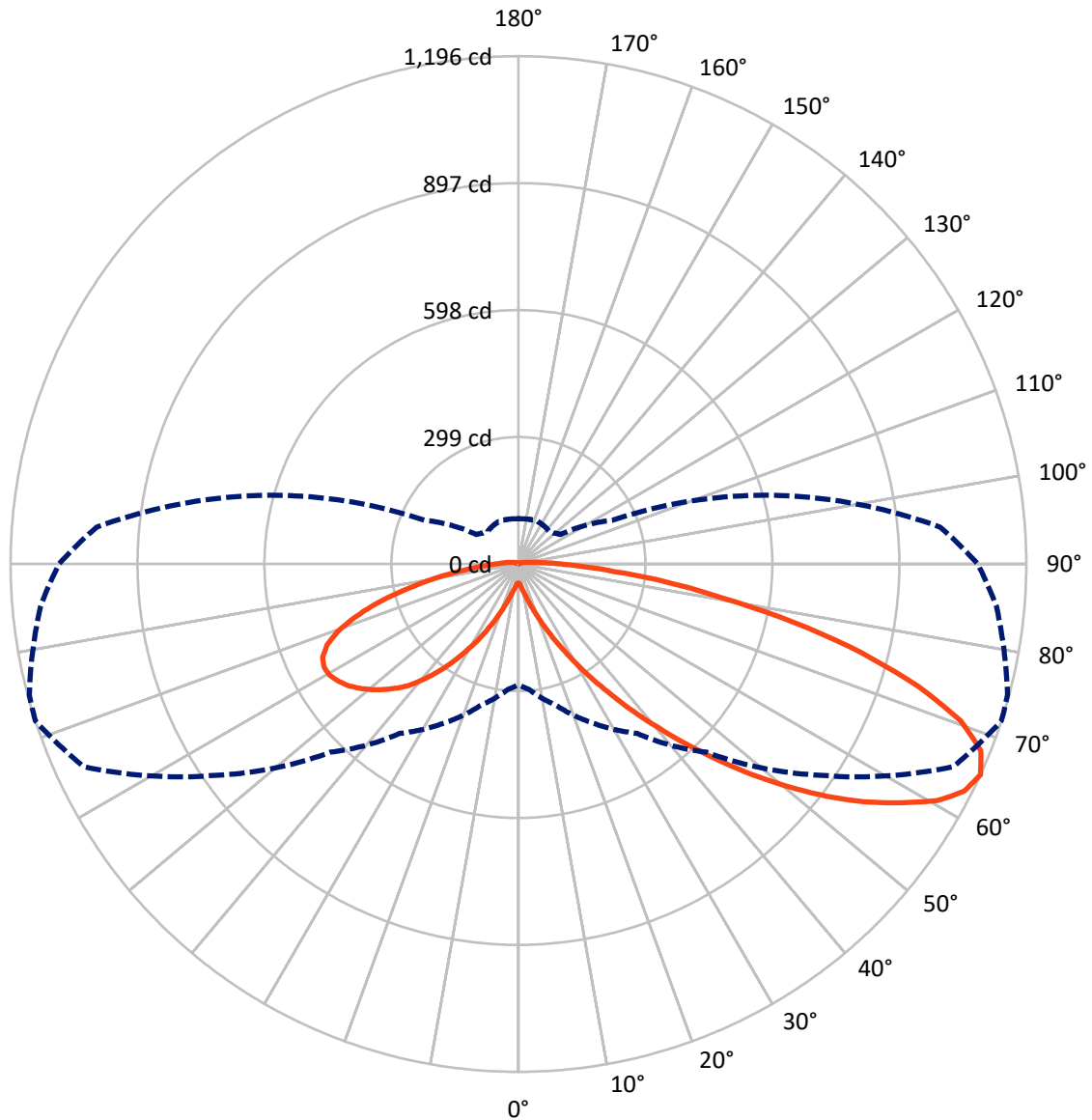


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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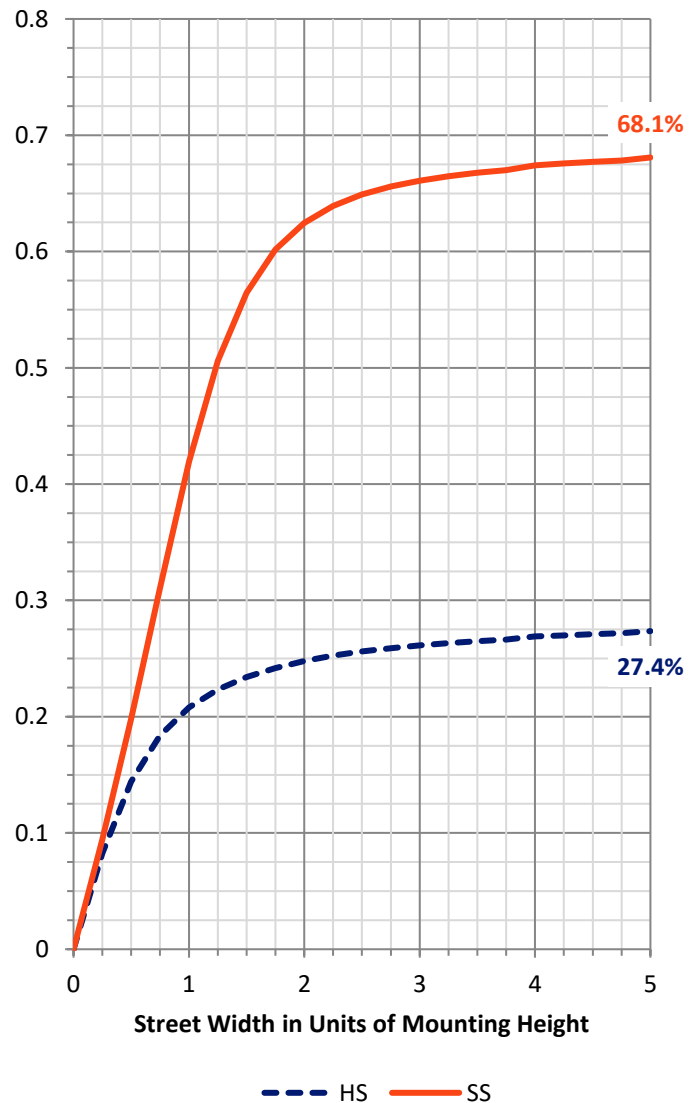
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	614.1	30.9	645.0
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	1502.9	30.1	1533.0
	% Fixture	69.0	1.4	70.4
Total	Lumens	2117.0	61.0	2178.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.2
10°-20°	26.3	1.2
20°-30°	83.5	3.8
30°-40°	200.0	9.2
40°-50°	369.2	17.0
50°-60°	503.1	23.1
60°-70°	490.6	22.5
70°-80°	320.4	14.7
80°-90°	118.7	5.4
90°-100°	33.0	1.5
100°-110°	13.8	0.6
110°-120°	7.0	0.3
120°-130°	3.9	0.2
130°-140°	2.2	0.1
140°-150°	0.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2117.0	97.2
0°-180°	2178.0	100.0



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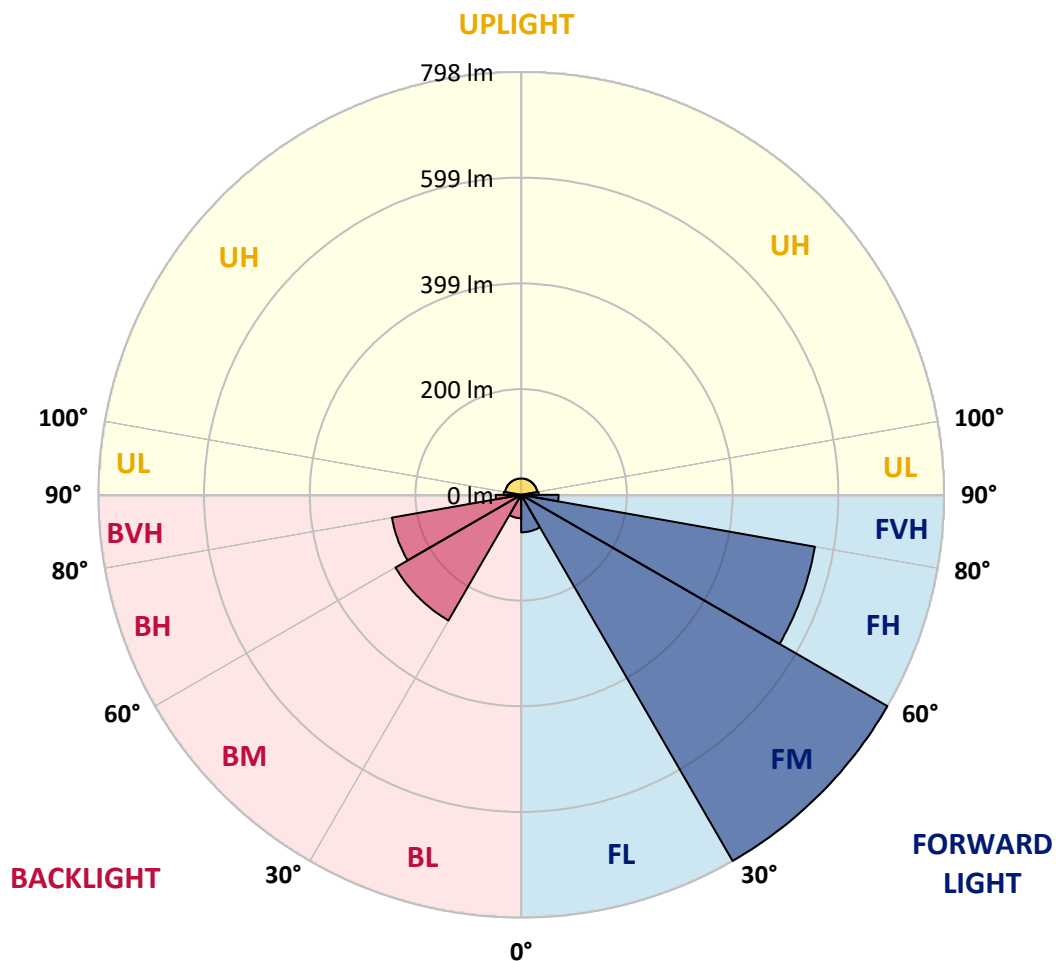
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.8	3.2			
FM (30°-60°)	798.3	36.7			
FH (60°-80°)	563.2	25.9			G0/660
FVH (80°-90°)	70.6	3.2			G1/100
BL (0°-30°)	44.2	2.0	B0/110		
BM (30°-60°)	274.1	12.6	B1/1000		
BH (60°-80°)	247.8	11.4	B1/500		G1/500
BVH (80°-90°)	48.0	2.2			G1/100
UL (90°-100°)	33.0	1.5		U2/50	
UH (100°-180°)	30.9	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2.5°	50.2	49.9	49.4	49.2	49.2	48.7	48.1	47.4	46.9	46.6	46.1
5°	56.7	56.2	55.7	55.2	54.7	53.9	52.7	51.9	50.9	50.7	49.7
7.5°	66.0	65.5	64.0	63.5	62.8	61.8	60.2	58.7	57.7	57.0	55.5
10°	78.4	77.9	76.9	75.6	74.1	72.1	69.6	68.1	65.5	66.0	63.8
12.5°	95.3	94.0	92.8	90.7	87.7	85.5	81.9	80.4	77.6	77.6	74.9
15°	115.7	115.5	112.9	108.6	105.9	101.1	98.1	94.8	93.0	93.0	90.7
17.5°	142.2	140.4	138.4	132.6	126.3	120.5	116.5	114.2	112.2	111.7	108.6
20°	174.9	172.4	169.4	159.1	151.5	144.4	138.6	136.9	135.4	135.1	132.6
22.5°	216.5	211.2	205.7	195.6	183.5	171.2	167.1	163.1	163.3	163.9	158.1
25°	262.7	261.2	251.3	237.0	221.1	207.5	196.4	194.9	196.4	195.4	193.1
27.5°	321.9	316.9	304.5	286.1	260.9	245.0	233.2	232.2	232.4	233.7	229.9
30°	391.0	388.5	372.8	342.1	309.6	288.4	275.5	273.8	276.8	277.0	271.2
32.5°	472.4	467.4	443.4	409.1	364.8	337.8	323.2	322.7	325.9	326.7	322.2
35°	554.8	552.3	528.6	479.5	430.8	390.0	375.1	376.1	378.4	382.9	377.6
37.5°	649.9	643.1	612.6	560.6	499.1	450.2	434.3	437.9	441.4	441.4	434.1
40°	739.6	737.1	705.1	639.8	566.2	520.8	503.4	505.4	505.2	505.4	495.8
42.5°	822.8	814.2	786.0	716.7	640.8	594.7	573.7	577.0	580.0	582.3	558.1
45°	879.0	871.7	846.7	778.4	711.4	667.8	654.2	654.2	657.7	656.7	632.7
47.5°	898.9	897.9	879.3	827.3	765.8	732.0	732.8	735.6	740.9	736.1	701.8
50°	889.6	885.6	882.3	853.3	811.0	794.8	809.9	824.1	824.6	816.0	772.4
52.5°	831.1	831.6	848.3	843.0	823.6	839.9	886.1	911.0	908.8	900.4	848.0
55°	742.1	746.2	775.2	797.3	809.2	854.6	942.5	994.2	989.2	977.6	924.4
57.5°	623.7	636.8	675.6	724.0	766.3	840.9	973.3	1066.3	1061.0	1061.0	1000.5
60°	497.6	508.2	565.4	624.4	691.2	795.1	976.3	1119.2	1132.1	1124.0	1054.5
62.5°	385.9	390.5	449.7	524.1	595.7	717.9	941.5	1144.5	1178.5	1171.7	1102.9
65°	284.1	297.0	344.8	412.9	487.0	626.9	867.2	1129.6	1196.1	1192.6	1129.6
67.5°	211.2	217.0	257.1	320.1	393.5	513.7	758.8	1064.5	1175.0	1178.0	1125.6
70°	158.3	159.8	191.1	243.0	305.5	405.3	632.5	960.7	1104.6	1118.2	1089.5
72.5°	119.7	122.5	148.5	189.3	235.7	312.1	499.9	819.5	984.6	1018.4	1007.6
75°	93.8	97.1	114.9	146.5	182.3	236.2	378.4	652.6	834.1	877.8	889.9
77.5°	74.1	77.6	92.8	117.0	142.2	182.3	278.0	488.3	666.3	709.9	745.2
80°	58.2	60.8	74.1	92.0	111.9	134.6	194.9	354.9	489.3	543.7	576.0
82.5°	44.4	47.1	57.5	72.6	87.7	102.8	139.1	241.5	354.9	379.6	434.6
85°	32.3	34.8	43.4	55.7	67.6	79.7	101.8	161.1	226.1	255.6	283.3
87.5°	23.7	24.7	32.3	41.3	51.9	60.2	73.4	102.8	143.7	158.3	181.5
90°	16.6	17.6	23.7	30.5	39.3	47.1	53.9	68.1	89.5	102.6	106.9
92.5°	12.4	13.1	17.6	22.9	30.2	36.6	40.8	48.1	58.2	63.8	67.3
95°	9.3	10.1	13.9	18.1	23.4	28.7	32.0	34.8	40.6	42.1	45.1
97.5°	7.6	8.1	11.3	14.9	18.9	23.7	25.5	27.0	29.0	30.5	31.8
100°	6.6	6.8	9.6	12.6	16.1	19.2	20.7	21.4	22.7	23.2	23.7
102.5°	5.8	5.8	8.3	10.8	13.9	16.1	17.4	17.4	17.6	17.9	17.6
105°	5.0	5.3	7.3	9.6	11.8	13.9	14.9	14.4	14.1	13.9	13.1
107.5°	4.8	4.8	6.6	8.6	10.6	12.1	12.9	11.8	11.3	10.8	10.1
110°	4.3	4.5	5.8	7.6	9.3	10.6	11.1	10.1	9.1	8.6	7.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.0	4.3	5.3	6.8	8.3	9.6	9.6	8.6	7.3	6.8	6.3
115°	4.0	4.0	4.8	6.0	7.6	8.6	8.6	7.3	6.0	5.5	5.3
117.5°	4.0	4.0	4.5	5.5	6.8	7.6	7.6	6.3	5.0	4.5	4.5
120°	3.8	3.8	4.3	5.0	6.3	6.8	6.6	5.5	4.3	4.0	4.0
122.5°	3.8	3.8	4.0	4.8	5.8	6.3	6.0	4.8	3.8	3.3	3.5
125°	4.0	3.8	4.0	4.5	5.3	5.5	5.3	4.0	3.3	3.0	3.3
127.5°	4.0	4.0	3.8	4.3	4.8	5.0	4.8	3.5	2.8	2.8	3.0
130°	4.0	4.0	3.8	4.0	4.3	4.5	4.0	3.0	2.5	2.5	2.8
132.5°	4.0	4.0	3.8	3.8	4.0	4.0	3.5	2.5	2.3	2.3	2.5
135°	4.0	4.0	3.5	3.5	3.5	3.5	3.0	2.3	2.0	2.0	2.3
137.5°	3.8	3.8	3.5	3.3	3.3	3.0	2.5	1.8	1.5	1.8	2.0
140°	3.5	3.5	3.3	2.8	2.8	2.5	2.0	1.5	1.3	1.5	1.5
142.5°	3.3	3.3	3.0	2.5	2.3	2.0	1.8	1.0	1.0	1.0	1.3
145°	3.0	3.0	2.8	2.0	1.8	1.5	1.3	0.8	0.8	0.8	1.0
147.5°	2.5	2.5	2.3	1.8	1.3	1.3	0.8	0.5	0.8	0.8	0.8
150°	2.0	2.0	1.8	1.3	1.0	0.8	0.3	0.5	0.5	0.5	0.8
152.5°	1.8	1.8	1.3	1.0	0.5	0.3	0.3	0.3	0.5	0.5	0.5
155°	1.3	1.3	1.0	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
157.5°	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	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°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2.5°	45.6	45.6	45.4	45.1	44.9	44.6	44.1	43.9	43.9	43.6	43.6
5°	49.2	48.9	48.1	47.4	46.4	45.9	45.1	44.6	44.4	44.1	44.1
7.5°	54.7	54.2	52.7	51.4	50.2	49.2	47.9	47.1	46.9	46.1	46.4
10°	62.5	61.8	60.0	57.7	55.5	53.9	52.2	51.2	50.7	50.2	49.7
12.5°	73.9	72.3	69.3	66.3	63.0	60.0	58.2	57.5	58.0	57.7	58.0
15°	89.5	86.7	82.2	77.6	71.8	68.1	67.6	67.3	67.3	67.6	68.1
17.5°	107.1	104.1	98.3	90.0	83.2	79.4	77.1	76.9	78.1	78.4	78.1
20°	130.3	127.3	118.2	106.9	97.1	91.0	88.0	88.0	89.7	90.2	91.3
22.5°	155.3	153.5	141.2	125.5	112.4	102.6	98.3	98.8	101.3	102.1	102.6
25°	190.1	183.0	167.9	146.5	127.6	114.4	108.6	108.9	111.7	113.7	114.4
27.5°	228.4	220.3	198.1	170.2	142.7	124.3	117.7	118.0	121.3	123.8	124.3
30°	269.5	261.4	232.4	193.6	156.8	133.1	124.3	124.5	128.3	131.1	131.6
32.5°	313.3	306.8	266.2	218.8	169.1	139.1	128.6	128.8	132.1	134.6	135.1
35°	368.8	353.9	306.3	241.2	179.5	142.9	130.6	130.3	133.6	136.1	136.6
37.5°	423.5	407.6	344.3	262.2	185.5	143.9	130.1	130.1	132.6	134.6	134.9
40°	483.0	456.5	384.4	278.6	187.8	142.4	128.6	128.3	130.3	131.3	131.6
42.5°	547.0	514.5	423.8	291.7	186.8	139.1	125.8	126.0	126.8	126.8	126.5
45°	604.7	571.7	457.5	300.2	183.3	134.9	122.5	122.8	123.0	121.0	121.0
47.5°	672.6	632.5	489.3	302.2	176.2	130.6	120.0	120.5	119.2	116.5	116.0
50°	736.8	692.2	521.3	301.5	168.9	126.0	117.5	118.0	115.7	111.9	111.2
52.5°	808.4	751.2	551.6	297.7	160.1	122.0	115.7	116.2	113.7	109.2	108.4
55°	879.0	813.7	579.3	291.2	152.5	117.7	113.9	115.2	111.9	107.4	107.1
57.5°	946.3	875.7	602.2	281.6	144.4	114.7	112.7	114.2	111.2	106.6	106.4
60°	1006.3	928.4	620.6	272.2	135.6	111.7	111.4	113.4	110.7	106.9	106.6
62.5°	1048.4	975.8	628.9	259.6	128.6	108.4	109.9	111.9	109.9	106.9	106.9
65°	1081.9	997.0	625.7	243.0	121.0	104.9	107.9	109.9	108.6	106.6	106.9
67.5°	1075.6	996.5	604.2	223.1	113.9	101.1	104.4	107.1	106.1	105.4	105.1
70°	1036.8	949.3	563.2	201.4	106.6	96.3	100.1	102.8	102.6	102.3	102.3
72.5°	956.9	867.7	501.6	176.5	99.1	91.3	94.5	97.1	97.6	97.3	96.5
75°	852.5	755.2	430.3	153.0	91.3	85.2	88.7	90.2	91.0	90.5	90.5
77.5°	699.5	629.7	342.1	129.3	82.9	78.4	80.9	82.2	83.2	81.9	81.2
80°	555.8	479.0	263.2	105.6	73.9	70.8	72.1	72.6	73.6	72.3	70.8
82.5°	390.2	341.3	190.8	86.2	64.8	62.3	63.0	62.8	63.3	61.5	59.5
85°	260.7	229.4	131.3	69.3	55.5	53.2	53.2	52.4	51.9	50.2	48.7
87.5°	163.6	145.2	90.2	54.7	46.6	44.9	43.9	42.3	41.8	40.6	38.8
90°	100.8	92.8	63.0	43.9	38.8	37.3	36.3	34.0	33.8	31.8	30.5
92.5°	66.0	60.5	46.6	35.5	32.5	31.0	29.7	27.7	27.5	26.0	25.2
95°	43.6	42.3	35.5	29.7	27.5	26.2	25.0	23.2	22.7	21.2	20.2
97.5°	32.0	32.0	29.2	25.2	23.4	22.2	21.4	19.9	18.9	17.4	16.9
100°	24.2	24.5	23.4	21.7	20.2	18.9	18.1	16.9	16.1	14.6	14.4
102.5°	18.7	19.2	19.4	18.4	17.4	16.4	15.6	14.6	13.6	12.1	11.8
105°	14.4	14.9	15.9	15.6	15.1	14.4	13.6	12.6	11.3	10.1	10.1
107.5°	11.1	11.6	13.1	13.4	13.1	12.4	11.8	10.8	9.8	8.6	8.6
110°	8.6	9.3	10.8	11.3	11.3	10.8	10.3	9.3	8.1	7.3	7.3



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	7.8	9.1	9.8	9.8	9.6	8.8	7.8	6.8	6.3	6.3
115°	5.8	6.6	7.8	8.6	8.6	8.3	7.8	6.8	5.8	5.5	5.5
117.5°	5.0	5.5	6.6	7.3	7.6	7.3	6.8	5.8	5.0	5.0	5.0
120°	4.5	5.0	5.8	6.3	6.6	6.3	5.8	5.0	4.3	4.5	4.5
122.5°	4.0	4.3	5.0	5.8	5.8	5.8	5.3	4.3	3.8	4.0	4.0
125°	3.5	4.0	4.5	5.0	5.3	5.0	4.5	3.8	3.3	3.5	3.8
127.5°	3.3	3.5	4.0	4.5	4.5	4.5	4.0	3.3	3.0	3.3	3.3
130°	3.0	3.3	3.5	4.0	4.0	4.0	3.5	2.8	2.8	3.0	3.0
132.5°	2.8	3.0	3.3	3.5	3.5	3.5	3.0	2.5	2.3	2.8	2.8
135°	2.5	2.5	2.8	3.0	3.0	3.0	2.5	2.0	2.0	2.5	2.5
137.5°	2.0	2.3	2.5	2.5	2.5	2.5	2.0	1.8	1.8	2.0	2.0
140°	1.8	1.8	2.0	2.0	2.0	2.0	1.8	1.3	1.5	1.8	1.8
142.5°	1.5	1.5	1.8	1.8	1.8	1.5	1.3	1.0	1.3	1.5	1.5
145°	1.0	1.3	1.3	1.3	1.3	1.0	0.8	0.8	1.0	1.3	1.3
147.5°	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0.5	0.8	1.0	1.0
150°	0.8	0.8	1.0	1.0	0.8	0.5	0.3	0.3	0.5	0.8	0.8
152.5°	0.5	0.5	0.8	0.8	0.5	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.5	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.3	0.3	0.3	0.3	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)