

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: P414445

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414445
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-PA1-20-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA 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: 1908 lumens
Efficiency: N/A
Efficacy: 90.9 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 - U2 - G2

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

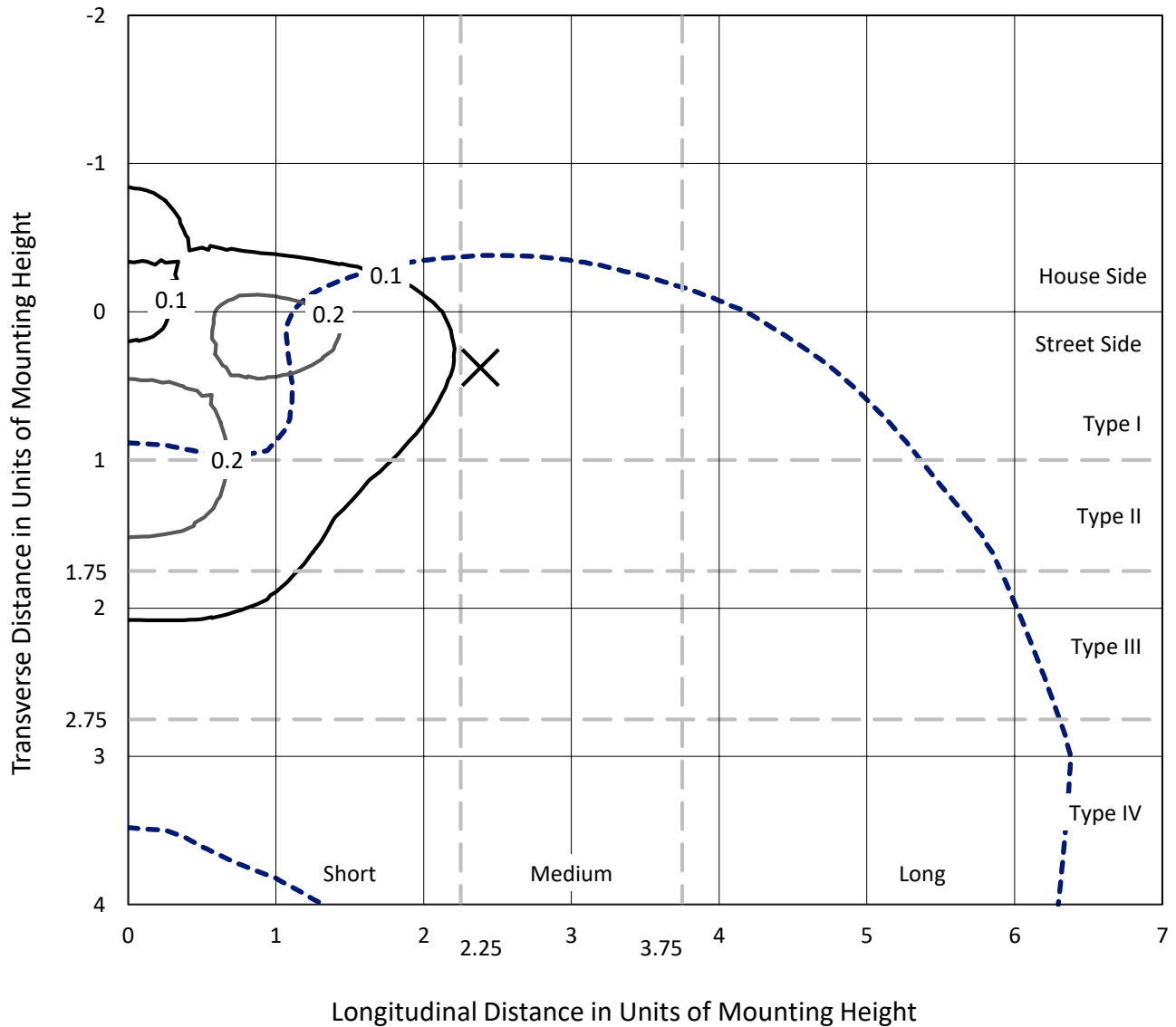


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

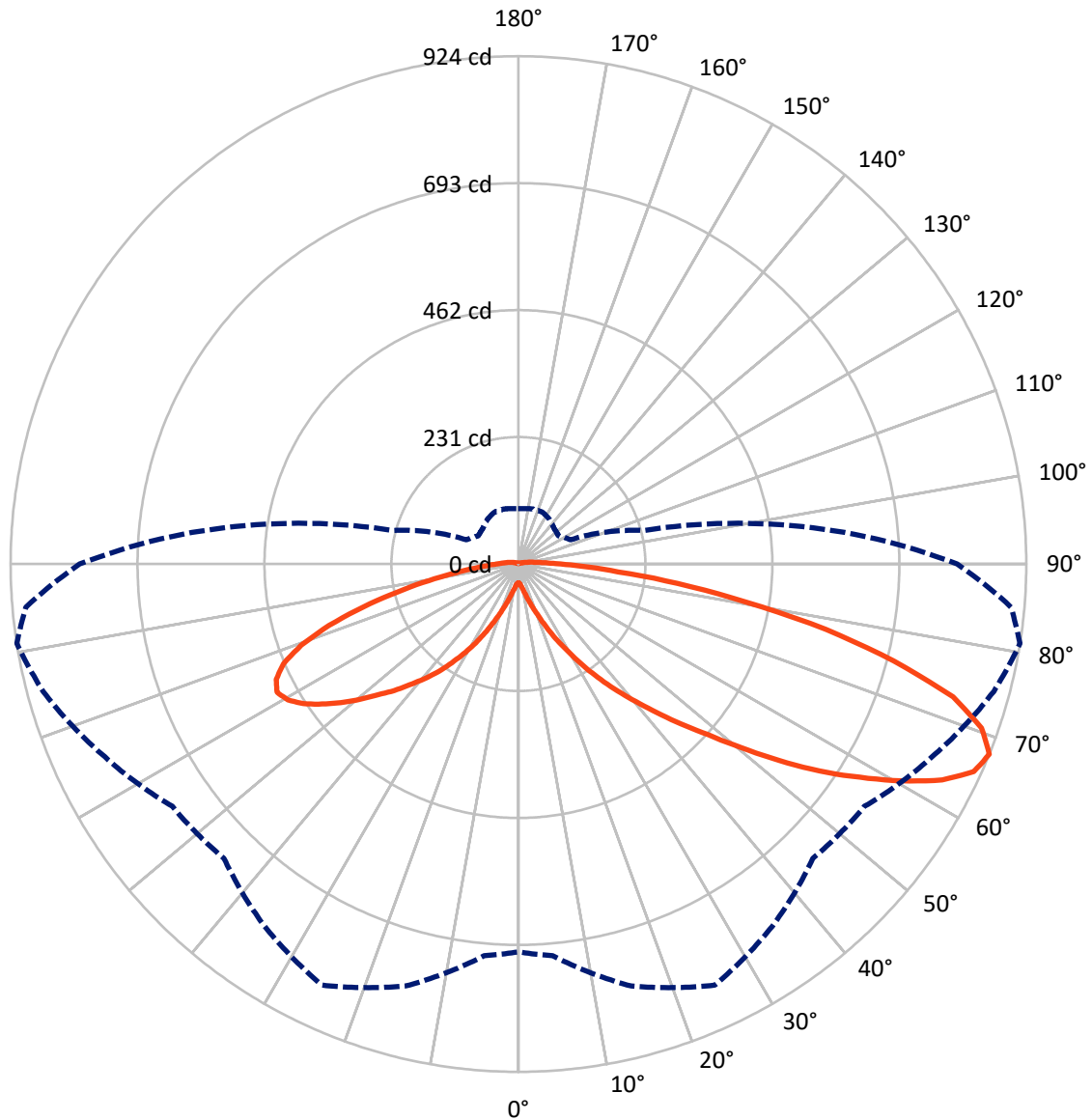


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

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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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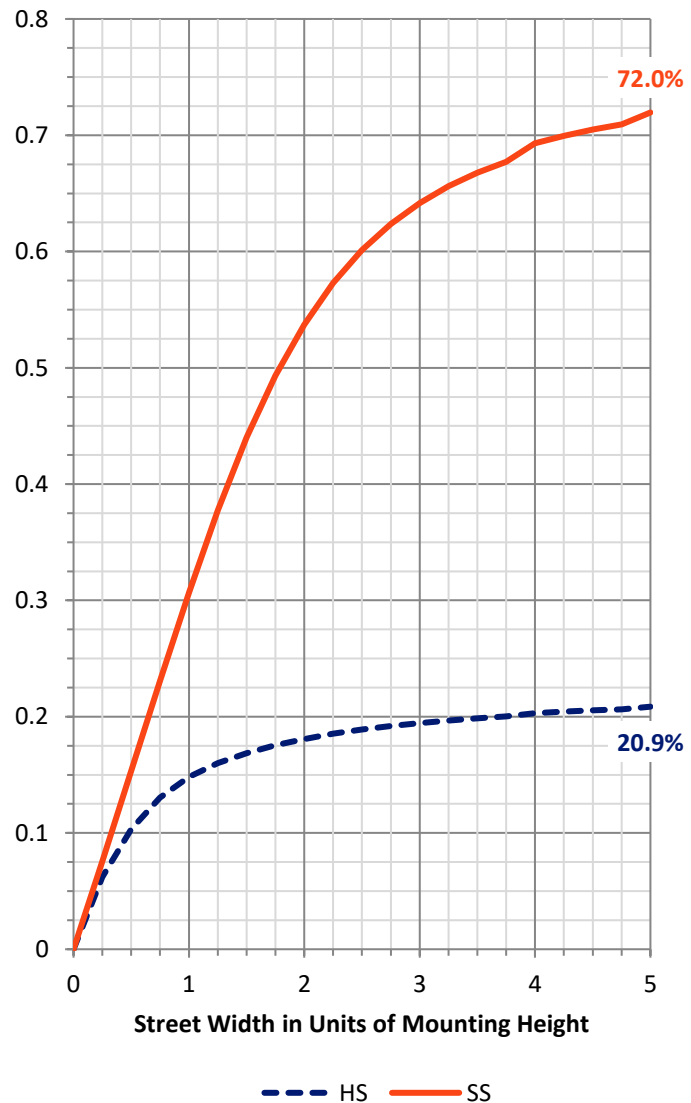
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.7	29.7	447.4
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	1423.3	37.3	1460.6
	% Fixture	74.6	2.0	76.6
Total	Lumens	1840.9	67.0	1908.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.2
10°-20°	19.7	1.0
20°-30°	58.8	3.1
30°-40°	127.5	6.7
40°-50°	223.7	11.7
50°-60°	354.5	18.6
60°-70°	478.3	25.1
70°-80°	410.4	21.5
80°-90°	164.2	8.6
90°-100°	40.0	2.1
100°-110°	14.0	0.7
110°-120°	6.4	0.3
120°-130°	3.5	0.2
130°-140°	1.9	0.1
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1840.9	96.5
0°-180°	1908.0	100.0



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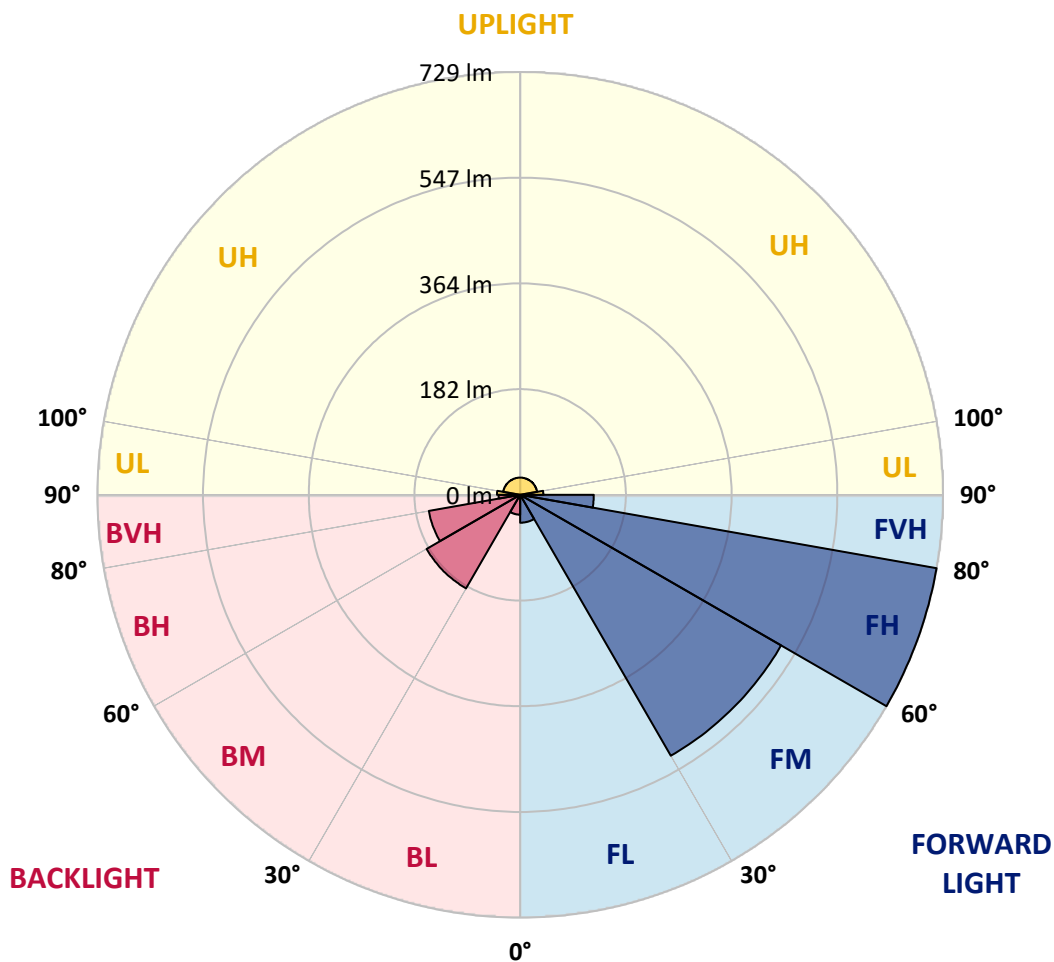
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.1	2.5			
FM	(30°-60°)	519.3	27.2			
FH	(60°-80°)	728.9	38.2			G1/1800
FVH	(80°-90°)	126.9	6.7			G2/225
BL	(0°-30°)	34.3	1.8	B0/110		
BM	(30°-60°)	186.3	9.8	B0/220		
BH	(60°-80°)	159.8	8.4	B1/500		G1/500
BVH	(80°-90°)	37.3	2.0			G1/100
UL	(90°-100°)	40.0	2.1		U2/50	
UH	(100°-180°)	29.7	1.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
2.5°	37.4	37.2	37.2	37.4	37.4	37.4	36.8	36.1	35.5	35.2	35.0
5°	42.5	42.1	42.1	42.1	41.9	41.2	40.3	39.4	38.6	38.1	37.7
7.5°	49.2	49.0	48.8	48.1	47.9	46.8	45.4	44.1	42.8	42.3	41.9
10°	58.3	58.1	57.0	56.7	55.6	54.5	52.5	50.5	48.8	48.1	47.4
12.5°	69.8	69.8	68.3	66.5	65.1	62.9	61.2	58.7	57.4	56.5	55.6
15°	84.9	84.0	82.0	80.0	76.5	73.8	71.1	69.8	68.9	67.8	66.5
17.5°	101.5	100.4	98.6	94.6	90.0	86.2	83.8	82.4	82.0	81.3	79.8
20°	121.4	120.1	117.7	111.5	106.4	101.3	98.4	97.7	98.2	97.1	95.5
22.5°	145.1	144.3	139.2	131.4	124.3	117.2	114.6	115.0	115.9	117.4	116.6
25°	172.2	170.0	165.1	154.0	142.3	135.4	132.7	134.7	138.7	140.9	139.2
27.5°	203.6	202.3	192.6	178.2	162.9	153.6	151.6	157.3	164.2	166.0	166.0
30°	236.9	237.8	223.6	206.5	187.2	174.4	172.0	180.2	191.9	193.0	195.9
32.5°	279.0	277.4	262.6	234.7	211.8	195.2	193.7	205.2	220.0	225.8	225.8
35°	323.1	321.5	303.4	270.3	238.7	217.2	218.3	230.5	250.6	257.9	259.0
37.5°	373.8	368.7	349.0	308.0	267.9	242.6	240.7	259.0	282.8	293.2	293.2
40°	429.7	426.8	399.3	350.8	297.8	269.0	267.5	288.7	317.5	329.1	331.3
42.5°	484.0	480.2	454.7	392.2	332.4	296.9	297.2	320.4	353.4	369.4	372.3
45°	541.4	537.8	509.9	443.2	369.8	331.5	328.8	357.9	397.3	415.0	418.4
47.5°	592.3	589.9	565.7	493.9	416.4	368.5	365.0	398.4	444.1	463.8	473.8
50°	647.7	644.6	622.0	548.0	462.7	408.0	407.7	443.6	500.8	524.7	532.9
52.5°	692.7	689.2	673.4	602.3	508.6	454.1	450.3	494.4	559.5	593.9	597.9
55°	734.1	732.8	727.5	660.6	564.4	499.3	501.7	554.0	626.5	665.2	671.2
57.5°	764.1	765.8	768.3	719.1	619.1	549.8	554.2	613.8	696.0	732.2	740.4
60°	784.5	790.7	806.8	770.0	675.0	605.0	612.5	673.0	763.0	801.5	808.2
62.5°	786.0	792.6	830.3	817.7	728.6	661.5	670.1	733.9	822.8	865.6	866.2
65°	756.5	765.6	825.9	843.4	775.8	715.5	723.3	788.2	872.9	910.8	897.0
67.5°	705.8	715.3	795.1	845.6	805.1	757.6	768.7	830.3	895.5	924.1	899.7
70°	632.2	641.5	725.5	812.2	810.4	782.5	797.1	847.6	891.3	894.1	859.8
72.5°	535.6	534.7	625.3	739.0	780.9	780.5	803.7	834.5	843.2	827.0	776.0
75°	410.2	421.7	504.4	633.3	713.8	745.2	768.7	780.5	755.6	705.6	650.4
77.5°	293.8	303.4	378.5	499.3	614.0	672.1	698.0	692.5	630.9	572.2	508.8
80°	194.6	200.1	262.8	372.7	495.0	562.4	593.7	572.4	494.2	419.0	364.3
82.5°	116.8	125.9	165.3	261.9	367.2	444.5	463.6	428.1	352.8	291.6	251.5
85°	70.7	72.7	102.8	167.5	256.4	319.8	337.9	299.8	232.0	182.2	151.1
87.5°	39.7	43.2	63.6	109.0	172.4	222.0	228.5	197.4	145.6	113.0	94.6
90°	23.3	25.7	39.0	67.6	109.9	143.6	145.4	119.4	86.2	68.0	60.5
92.5°	14.8	16.6	25.9	43.4	70.7	93.3	90.9	73.8	55.2	45.4	39.2
95°	10.6	11.5	18.2	29.9	47.4	58.7	57.8	46.3	37.0	31.7	28.8
97.5°	8.0	8.9	14.2	21.9	31.9	39.4	38.6	30.8	25.7	23.3	22.2
100°	6.6	7.1	11.5	17.3	23.7	28.4	27.9	22.8	19.3	17.5	17.1
102.5°	5.8	6.2	9.5	14.0	18.8	21.9	21.1	17.7	14.6	13.1	12.6
105°	5.1	5.3	8.2	12.0	15.5	17.3	17.1	14.2	11.3	9.8	9.5
107.5°	4.7	4.9	7.1	10.2	13.1	14.6	14.2	11.5	8.6	7.5	7.3
110°	4.2	4.4	6.2	8.9	11.1	12.4	11.7	9.5	6.9	5.8	5.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	4.0	4.0	5.5	7.5	9.5	10.6	10.0	7.8	5.3	4.7	4.9
115°	3.8	3.8	4.9	6.6	8.4	9.3	8.4	6.4	4.4	4.0	4.0
117.5°	3.5	3.5	4.4	6.0	7.5	8.2	7.3	5.5	3.8	3.3	3.5
120°	3.3	3.5	4.2	5.3	6.6	7.1	6.4	4.7	3.1	3.1	3.3
122.5°	3.3	3.3	4.0	4.9	6.0	6.2	5.5	4.0	2.9	2.9	2.9
125°	3.3	3.3	3.8	4.4	5.3	5.5	4.7	3.3	2.7	2.7	2.7
127.5°	3.3	3.3	3.5	4.2	4.7	4.9	4.2	3.1	2.4	2.4	2.7
130°	3.1	3.3	3.3	3.8	4.2	4.2	3.5	2.7	2.2	2.2	2.4
132.5°	3.1	3.1	3.3	3.5	3.8	3.8	3.1	2.4	2.0	2.2	2.2
135°	3.1	3.1	3.1	3.3	3.5	3.3	2.7	2.0	1.8	2.0	2.0
137.5°	2.9	2.9	2.9	3.1	3.1	2.9	2.4	1.8	1.8	1.8	1.8
140°	2.7	2.7	2.7	2.7	2.9	2.7	2.0	1.6	1.6	1.6	1.6
142.5°	2.4	2.4	2.4	2.4	2.4	2.2	1.8	1.3	1.3	1.3	1.3
145°	2.2	2.2	2.2	2.2	2.0	1.8	1.3	1.1	1.1	1.3	1.3
147.5°	1.8	1.8	1.8	1.8	1.8	1.6	1.1	0.9	1.1	1.1	1.1
150°	1.6	1.6	1.6	1.6	1.3	1.3	0.9	0.9	0.9	1.1	1.1
152.5°	1.1	1.1	1.1	1.3	1.1	0.9	0.7	0.7	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.7	0.4	0.7	0.9	0.9	0.9
157.5°	0.4	0.7	0.7	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.7
160°	0.2	0.2	0.4	0.4	0.7	0.7	0.4	0.4	0.7	0.7	0.7
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°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
2.5°	35.0	34.8	34.6	34.3	34.1	34.1	33.9	33.7	33.5	33.2	33.2
5°	37.4	37.0	36.3	35.9	35.5	35.5	35.0	34.8	34.3	34.1	34.1
7.5°	41.2	41.0	39.7	39.0	38.3	38.1	37.7	37.2	36.8	36.8	36.8
10°	46.8	46.1	45.0	43.2	42.5	42.1	41.4	41.0	41.0	41.2	41.2
12.5°	55.2	53.4	51.9	49.4	48.1	47.2	46.8	47.0	48.1	48.5	48.1
15°	64.9	64.5	60.7	57.2	54.5	52.7	53.8	55.2	56.7	57.2	57.8
17.5°	78.4	76.9	71.8	66.7	61.8	60.9	62.3	64.5	66.3	67.6	68.7
20°	94.6	92.0	85.8	76.9	71.4	70.0	70.9	74.0	77.3	80.0	80.2
22.5°	115.0	111.0	99.9	88.9	80.7	78.4	79.6	84.4	89.3	92.6	92.4
25°	137.2	132.3	117.4	101.5	90.2	86.2	88.2	94.6	101.5	105.5	105.9
27.5°	162.0	157.1	136.5	113.7	98.8	92.8	96.2	103.5	112.8	117.7	118.6
30°	191.2	184.6	155.6	126.8	106.8	99.1	102.2	111.7	121.9	128.7	129.6
32.5°	221.6	211.2	174.6	137.4	112.3	103.0	106.6	117.7	129.4	136.9	138.3
35°	253.1	240.2	193.9	146.5	116.3	105.5	109.0	121.4	133.8	142.0	143.2
37.5°	288.5	271.5	211.4	153.3	118.6	106.1	109.7	122.1	134.7	142.7	143.8
40°	324.2	301.4	226.0	157.6	118.8	105.5	108.4	120.3	132.3	139.2	140.3
42.5°	362.5	332.8	240.7	158.7	117.7	103.7	106.1	116.8	127.0	132.3	133.0
45°	405.5	369.2	253.1	157.8	114.6	101.0	102.8	111.9	119.9	122.3	123.4
47.5°	450.9	405.1	262.6	155.1	111.5	98.2	99.3	106.8	111.9	112.1	112.3
50°	506.3	448.7	274.3	151.4	107.3	95.5	96.2	102.2	104.6	103.5	103.0
52.5°	567.1	495.5	281.9	145.4	103.5	93.1	93.7	98.4	99.3	96.8	97.1
55°	633.1	539.1	288.3	139.6	99.5	91.5	92.8	96.6	96.6	93.5	93.3
57.5°	694.7	583.7	291.2	132.3	96.2	90.4	92.6	96.4	96.0	93.1	92.8
60°	754.3	620.0	287.6	125.2	94.0	90.0	94.0	97.9	97.5	95.1	94.8
62.5°	795.5	642.9	278.8	118.1	92.0	90.6	95.5	100.2	100.2	97.5	97.5
65°	813.3	640.2	260.6	111.0	90.4	91.1	97.7	102.6	102.2	99.9	99.5
67.5°	798.4	616.0	236.2	104.2	89.1	91.5	98.8	103.9	103.5	101.0	100.6
70°	750.8	565.3	206.7	97.9	87.3	90.9	99.3	103.7	103.0	100.8	99.9
72.5°	655.9	486.4	175.9	92.0	84.6	89.3	97.9	101.9	101.3	99.5	98.4
75°	540.3	392.2	145.4	85.3	81.3	86.4	95.1	98.6	97.7	96.2	95.1
77.5°	413.1	296.3	120.1	79.1	77.3	82.7	91.1	93.7	92.8	91.5	90.9
80°	292.3	211.0	96.6	72.2	71.6	76.9	84.0	86.9	86.4	85.1	84.0
82.5°	192.3	140.3	77.1	64.5	64.9	70.5	75.8	77.3	77.1	76.0	74.7
85°	118.6	92.4	60.7	55.6	57.6	62.0	66.5	66.7	66.0	65.8	63.8
87.5°	75.6	63.2	47.6	47.2	50.1	53.8	55.8	55.0	55.4	55.4	53.8
90°	49.2	44.3	38.1	39.4	42.5	45.4	46.3	43.9	45.2	44.5	43.9
92.5°	35.7	33.0	31.0	32.8	35.9	38.6	38.1	35.5	36.1	36.1	35.9
95°	27.0	25.7	25.9	27.7	30.1	31.9	31.0	28.8	29.0	28.6	27.9
97.5°	21.3	21.1	21.9	23.3	25.5	26.6	25.7	23.7	23.5	22.8	22.6
100°	16.8	17.1	18.4	19.9	21.3	22.2	21.5	19.5	18.6	17.5	17.3
102.5°	13.1	13.5	15.3	16.6	17.9	18.6	17.9	16.4	14.8	13.7	13.5
105°	10.2	10.6	12.6	14.0	15.1	15.5	15.1	13.3	11.7	10.4	10.4
107.5°	8.0	8.4	10.4	12.0	12.6	13.1	12.4	11.1	9.3	8.2	8.2
110°	6.4	6.9	8.6	10.0	10.6	11.1	10.4	8.9	7.5	6.6	6.6



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	5.8	7.1	8.4	9.1	9.3	8.6	7.5	6.0	5.5	5.5
115°	4.4	4.9	6.0	7.1	7.8	7.8	7.3	6.2	4.9	4.7	4.7
117.5°	3.8	4.2	5.1	6.2	6.6	6.6	6.2	5.1	4.2	4.0	4.0
120°	3.5	3.8	4.4	5.3	5.8	5.8	5.3	4.4	3.5	3.5	3.5
122.5°	3.1	3.3	4.0	4.7	5.1	5.1	4.7	3.8	3.1	3.3	3.3
125°	2.9	3.1	3.5	4.0	4.4	4.4	4.0	3.3	2.9	2.9	2.9
127.5°	2.7	2.9	3.1	3.5	3.8	3.8	3.5	2.9	2.7	2.7	2.7
130°	2.4	2.7	2.9	3.1	3.3	3.3	2.9	2.4	2.4	2.4	2.4
132.5°	2.4	2.4	2.4	2.7	2.9	2.9	2.7	2.2	2.2	2.2	2.2
135°	2.2	2.2	2.2	2.2	2.4	2.4	2.2	2.0	2.0	2.0	2.0
137.5°	2.0	2.0	2.0	2.0	2.2	2.2	2.0	1.8	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.6	1.8	1.8	1.6	1.6	1.6	1.6	1.6
142.5°	1.3	1.6	1.3	1.3	1.3	1.3	1.3	1.1	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.1	1.1	1.1	1.1	0.9	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	0.9	0.7	0.9	0.7	0.9	0.9	0.9	0.9
150°	1.1	1.1	0.9	0.9	0.7	0.4	0.4	0.7	0.7	0.7	0.7
152.5°	0.9	0.9	0.9	0.7	0.4	0.2	0.2	0.4	0.4	0.4	0.4
155°	0.9	0.9	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
157.5°	0.7	0.7	0.7	0.4	0.4	0.2	0.0	0.2	0.0	0.0	0.0
160°	0.7	0.7	0.7	0.4	0.2	0.2	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)