

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: P414085

Luminaire Tested: **LXF.LXT-PA1-20-722-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-722-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U2 - G1

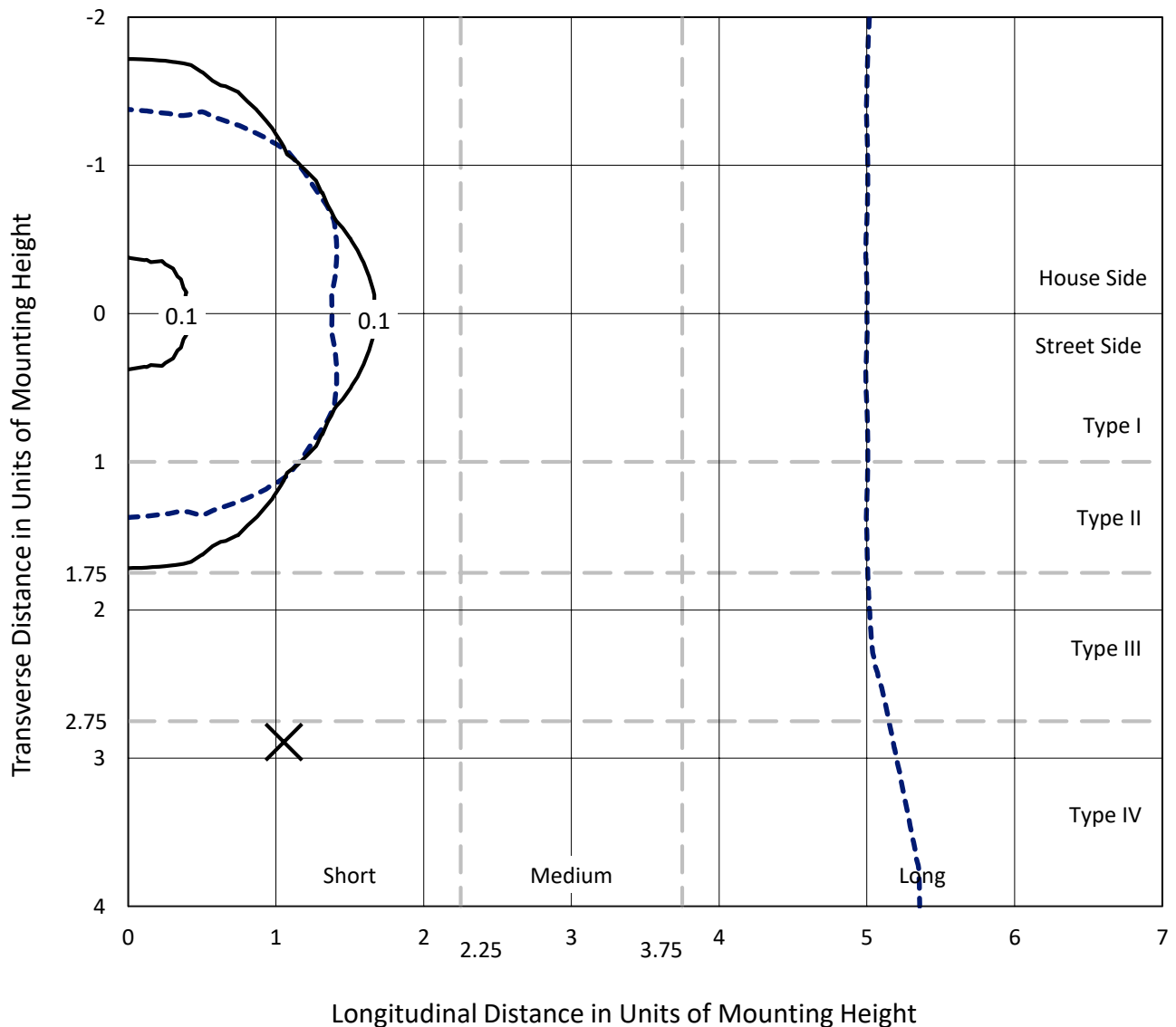
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

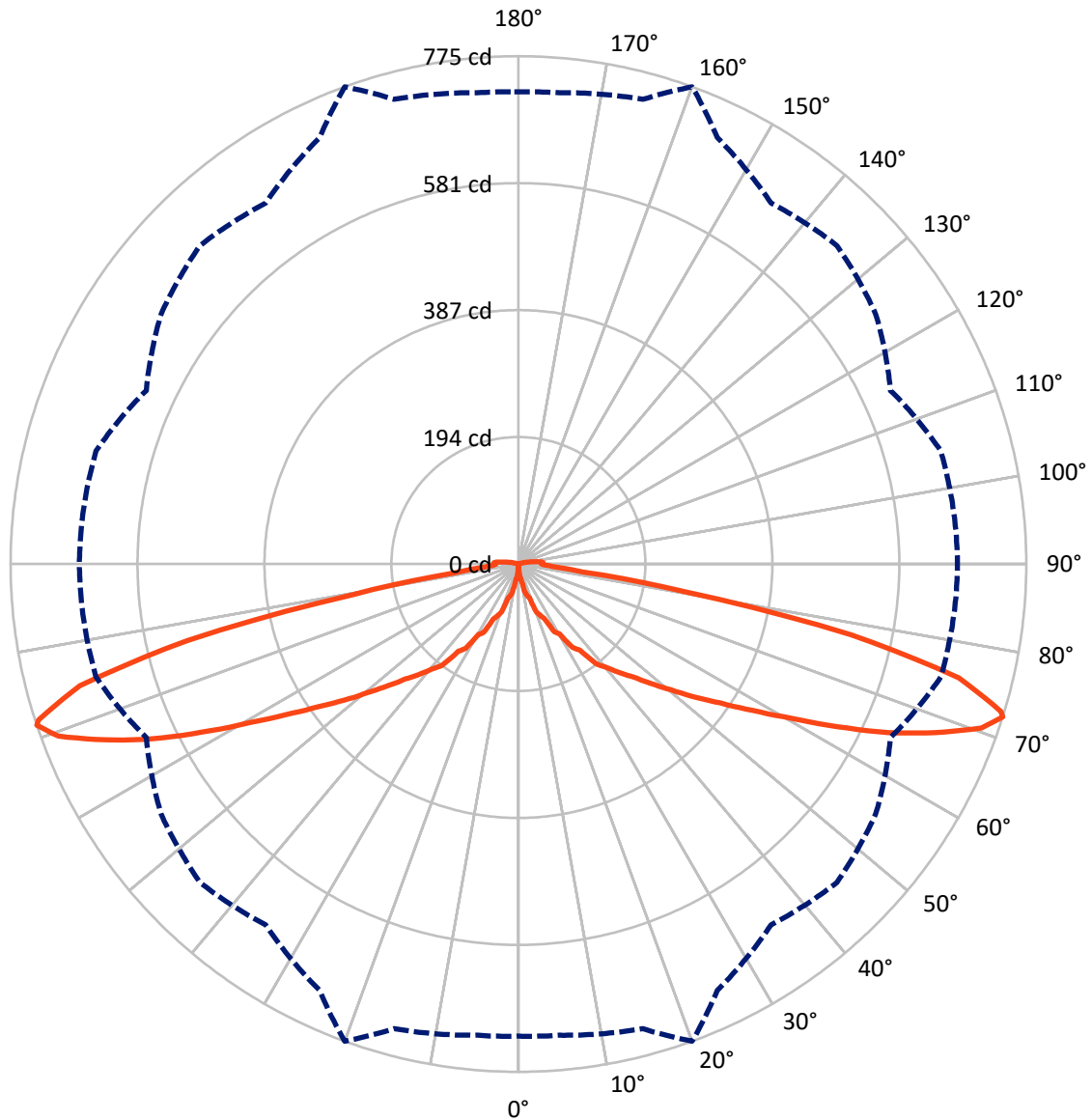
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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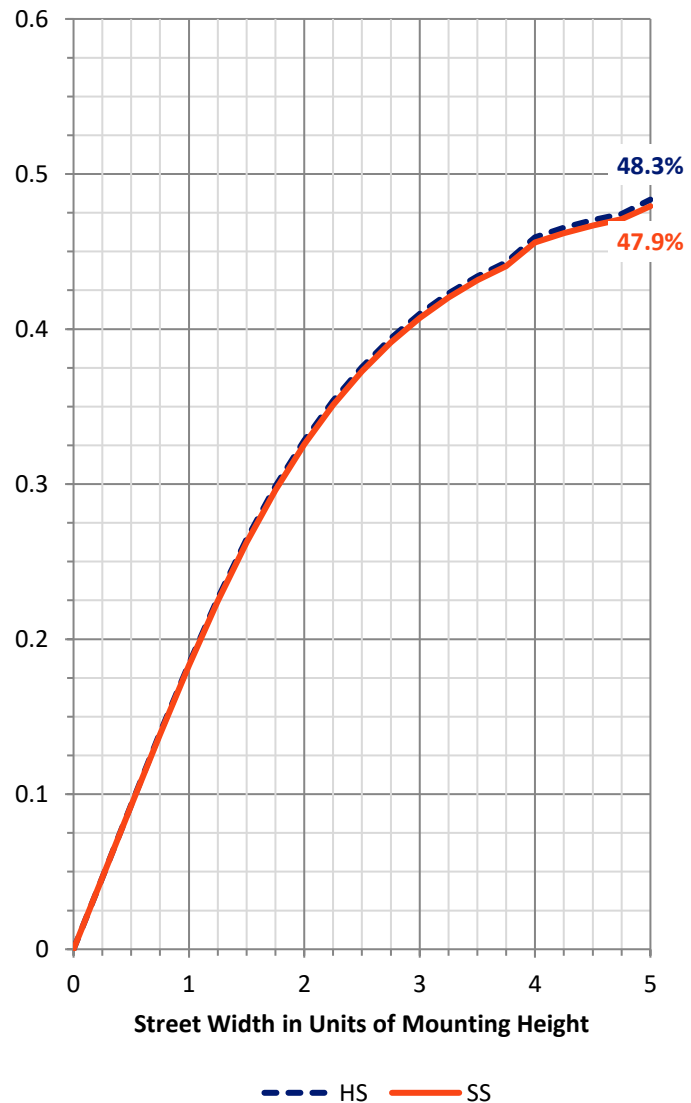
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1021.2	24.3	1045.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1021.2	24.3	1045.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	2042.4	48.6	2091.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.0
10°-20°	11.5	0.5
20°-30°	45.3	2.2
30°-40°	104.9	5.0
40°-50°	190.9	9.1
50°-60°	338.5	16.2
60°-70°	572.6	27.4
70°-80°	636.2	30.4
80°-90°	141.8	6.8
90°-100°	39.5	1.9
100°-110°	5.8	0.3
110°-120°	1.4	0.1
120°-130°	0.9	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2042.4	97.7
0°-180°	2091.0	100.0



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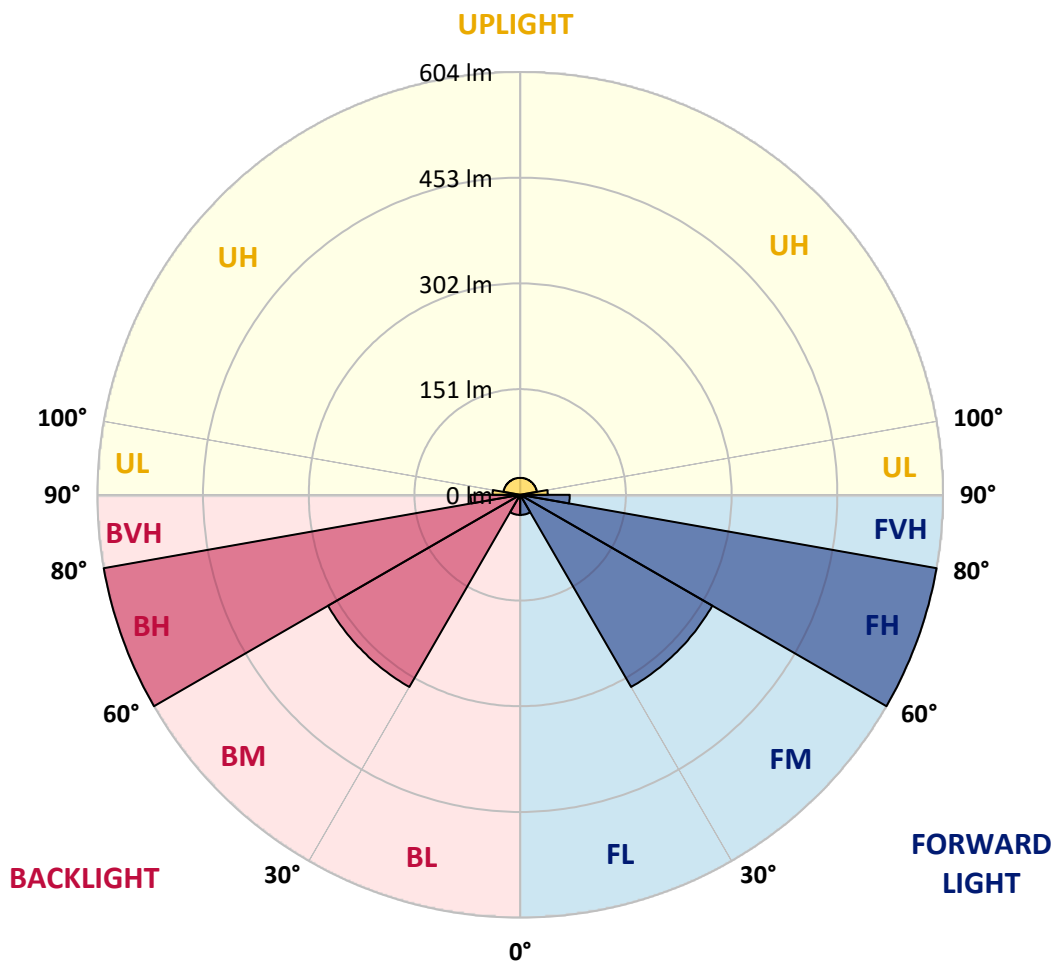
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	28.8	1.4			
FM	(30°-60°)	317.1	15.2			
FH	(60°-80°)	604.4	28.9			G0/660
FVH	(80°-90°)	70.9	3.4			G1/100
BL	(0°-30°)	28.8	1.4	B0/110		
BM	(30°-60°)	317.1	15.2	B1/1000		
BH	(60°-80°)	604.4	28.9	B2/1000		G0/660
BVH	(80°-90°)	70.9	3.4			G1/100
UL	(90°-100°)	39.5	1.9		U2/50	
UH	(100°-180°)	24.3	1.2		U2/50	

BUG Rating: B2-U2-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.1	1.1	1.1	1.3	0.9	1.1	0.9	0.9	0.9	0.9	0.9
5°	9.7	9.5	8.9	16.4	7.8	4.0	2.2	1.3	0.9	0.9	0.9
7.5°	20.8	20.6	19.9	21.9	16.6	12.6	10.0	6.6	1.8	1.1	1.1
10°	25.0	24.8	23.9	24.1	23.3	22.6	18.6	11.3	5.1	1.8	1.8
12.5°	37.4	37.2	35.7	43.4	30.1	25.0	23.3	19.7	11.1	8.9	17.3
15°	51.2	51.2	49.0	50.1	41.4	36.5	27.0	33.9	37.2	35.4	37.9
17.5°	56.9	56.7	54.5	54.0	51.8	47.6	46.7	49.2	47.8	42.5	42.8
20°	72.4	72.2	69.3	77.8	64.2	54.0	67.3	58.9	54.3	61.8	71.8
22.5°	87.1	86.8	84.6	85.1	77.8	79.5	73.5	68.2	80.6	83.5	86.2
25°	103.2	102.6	93.9	92.2	85.9	94.1	84.4	98.1	89.7	93.7	100.8
27.5°	121.2	120.3	116.1	117.4	105.4	101.9	107.7	104.8	110.3	127.6	131.4
30°	132.7	127.6	123.8	123.2	125.6	114.1	118.5	121.4	127.4	134.9	141.5
32.5°	159.5	158.4	144.0	151.7	137.3	136.0	126.7	136.5	136.5	165.7	185.6
35°	171.5	170.3	166.4	161.3	157.7	145.5	150.0	146.9	169.5	180.3	196.9
37.5°	212.9	211.8	190.7	193.4	171.9	165.0	160.4	172.3	181.2	192.5	211.8
40°	229.0	228.2	219.7	207.8	199.8	180.1	174.3	184.3	195.2	207.6	227.3
42.5°	248.3	247.7	237.7	226.6	218.6	201.8	195.6	196.5	209.8	228.2	247.4
45°	271.4	271.4	264.9	245.9	238.1	226.2	216.2	217.3	229.7	251.9	271.8
47.5°	297.7	297.3	293.5	272.2	266.3	248.1	240.1	243.7	253.2	277.8	298.8
50°	328.5	326.3	326.1	301.7	294.4	275.8	268.3	274.2	280.0	304.4	327.2
52.5°	360.2	360.8	361.1	337.1	329.8	313.9	303.0	309.5	309.5	335.2	360.2
55°	397.8	399.4	398.3	374.6	375.7	358.4	343.6	351.5	348.7	373.3	395.6
57.5°	446.4	445.9	448.1	420.9	424.4	410.5	393.6	398.7	394.3	414.5	434.4
60°	494.9	494.9	500.6	476.9	486.4	465.4	454.5	457.2	441.5	458.3	476.0
62.5°	545.4	545.8	554.2	546.3	548.5	526.1	519.2	515.0	485.1	507.0	519.2
65°	596.5	597.2	611.2	619.8	603.4	583.0	577.0	566.9	534.7	565.7	568.0
67.5°	648.4	651.3	667.9	686.3	661.2	623.3	632.0	613.6	580.4	610.1	608.5
70°	705.3	707.3	718.6	749.4	704.4	655.7	665.0	651.5	612.0	649.0	651.9
72°	720.1	721.5	733.7	774.6	717.5	671.9	686.9	665.2	626.2	666.8	669.0
72.5°	719.3	721.3	731.2	769.8	717.0	674.7	690.9	666.8	626.0	665.7	665.4
75°	651.7	656.3	671.6	694.0	677.6	669.0	703.5	657.5	601.0	622.9	617.8
77.5°	478.3	481.8	503.9	518.1	550.5	608.5	670.7	603.8	525.4	515.5	498.6
80°	234.6	233.3	277.8	257.6	351.1	465.6	556.7	477.8	371.5	302.4	259.0
82.5°	79.3	84.0	102.1	98.4	156.2	268.7	376.8	295.1	172.1	117.2	96.8
85°	44.7	46.3	56.3	54.0	63.6	104.3	193.8	134.2	75.3	62.9	56.0
87.5°	39.4	40.1	39.7	39.0	42.1	58.5	58.7	60.7	46.1	42.8	43.0
90°	39.9	40.3	36.1	34.6	37.0	49.0	54.5	51.6	37.7	36.8	40.3
92.5°	43.2	43.6	39.2	37.7	39.7	50.3	56.0	53.2	38.1	39.2	43.0
95°	39.4	39.9	36.1	34.6	36.8	46.7	52.5	51.4	36.3	40.1	45.6
97.5°	25.3	25.5	25.3	25.3	29.0	35.4	37.0	35.0	24.1	24.6	25.0
100°	10.0	8.0	11.3	16.6	20.6	20.8	19.9	18.4	15.5	10.2	5.1
102.5°	3.3	3.3	7.8	10.9	12.2	9.7	7.8	7.8	9.1	6.4	3.3
105°	3.3	3.3	4.2	5.1	5.1	2.7	2.4	4.0	5.8	3.3	3.3
107.5°	3.1	3.3	2.2	2.0	1.8	1.8	1.8	1.8	2.2	2.4	3.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	2.7	2.7	1.8	1.8	1.6	1.3	1.8	1.6	1.8	2.0	2.7
112.5°	2.0	2.2	1.3	1.3	1.3	1.1	1.6	1.3	1.3	1.6	1.8
115°	2.0	2.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.8
117.5°	2.0	1.8	1.1	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.8
120°	2.0	1.8	1.1	0.9	0.7	0.7	0.7	0.7	0.9	1.1	1.8
122.5°	1.8	1.8	1.1	0.9	0.7	0.7	0.7	0.7	0.7	1.1	1.8
125°	1.8	1.8	1.1	0.9	0.7	0.7	0.4	0.7	0.7	1.1	1.6
127.5°	1.8	1.6	1.1	0.7	0.7	0.4	0.4	0.4	0.7	0.9	1.6
130°	1.6	1.6	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.9	1.3
132.5°	1.3	1.3	0.9	0.7	0.4	0.4	0.4	0.4	0.4	0.7	1.1
135°	1.1	1.1	0.9	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.9
137.5°	1.1	1.1	0.9	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.7
140°	1.1	1.1	0.9	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.7
142.5°	1.1	1.1	0.9	0.7	0.7	0.7	0.4	0.4	0.4	0.7	0.7
145°	1.1	1.1	1.1	0.9	0.7	0.7	0.4	0.4	0.7	0.7	0.9
147.5°	1.3	1.3	1.1	0.9	0.7	0.4	0.4	0.4	0.7	0.9	0.9
150°	1.1	1.1	0.9	0.7	0.7	0.4	0.2	0.2	0.4	0.9	0.9
152.5°	0.9	0.9	0.7	0.4	0.4	0.2	0.0	0.2	0.4	0.7	0.9
155°	0.7	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.4	0.7
157.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
160°	0.0	0.0	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°
0°	0.9
2.5°	0.9
5°	0.9
7.5°	1.1
10°	1.8
12.5°	17.7
15°	38.1
17.5°	42.8
20°	77.5
22.5°	87.3
25°	103.0
27.5°	134.5
30°	142.9
32.5°	190.3
35°	200.5
37.5°	214.2
40°	229.0
42.5°	248.1
45°	271.8
47.5°	299.3
50°	326.5
52.5°	359.3
55°	397.2
57.5°	433.3
60°	474.7
62.5°	516.4
65°	568.0
67.5°	608.5
70°	653.0
72°	669.6
72.5°	665.7
75°	618.7
77.5°	500.2
80°	254.1
82.5°	89.9
85°	55.2
87.5°	42.1
90°	39.7
92.5°	42.3
95°	45.0
97.5°	23.9
100°	3.5
102.5°	3.5
105°	3.5
107.5°	3.5



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CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
110°	2.9
112.5°	2.0
115°	2.0
117.5°	2.0
120°	2.0
122.5°	2.0
125°	1.8
127.5°	1.6
130°	1.3
132.5°	1.1
135°	0.9
137.5°	0.7
140°	0.7
142.5°	0.7
145°	0.9
147.5°	0.9
150°	0.9
152.5°	0.9
155°	0.7
157.5°	0.2
160°	0.2
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)