

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: P414881

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414881
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-PA1-30-830-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 2975 lumens
Efficiency: N/A
Efficacy: 96.0 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 - U2 - G1

Input Watts (W): 31
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

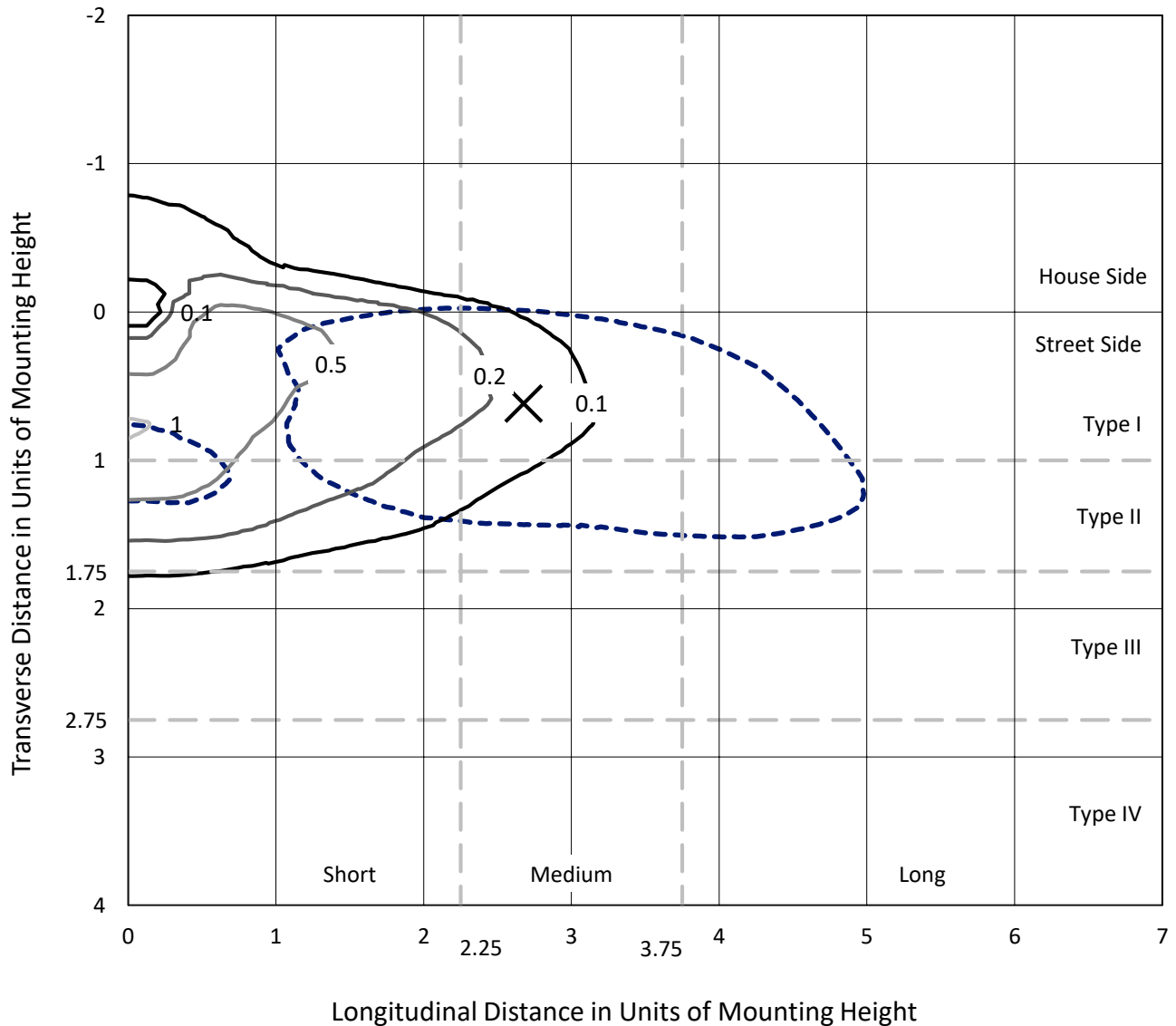


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

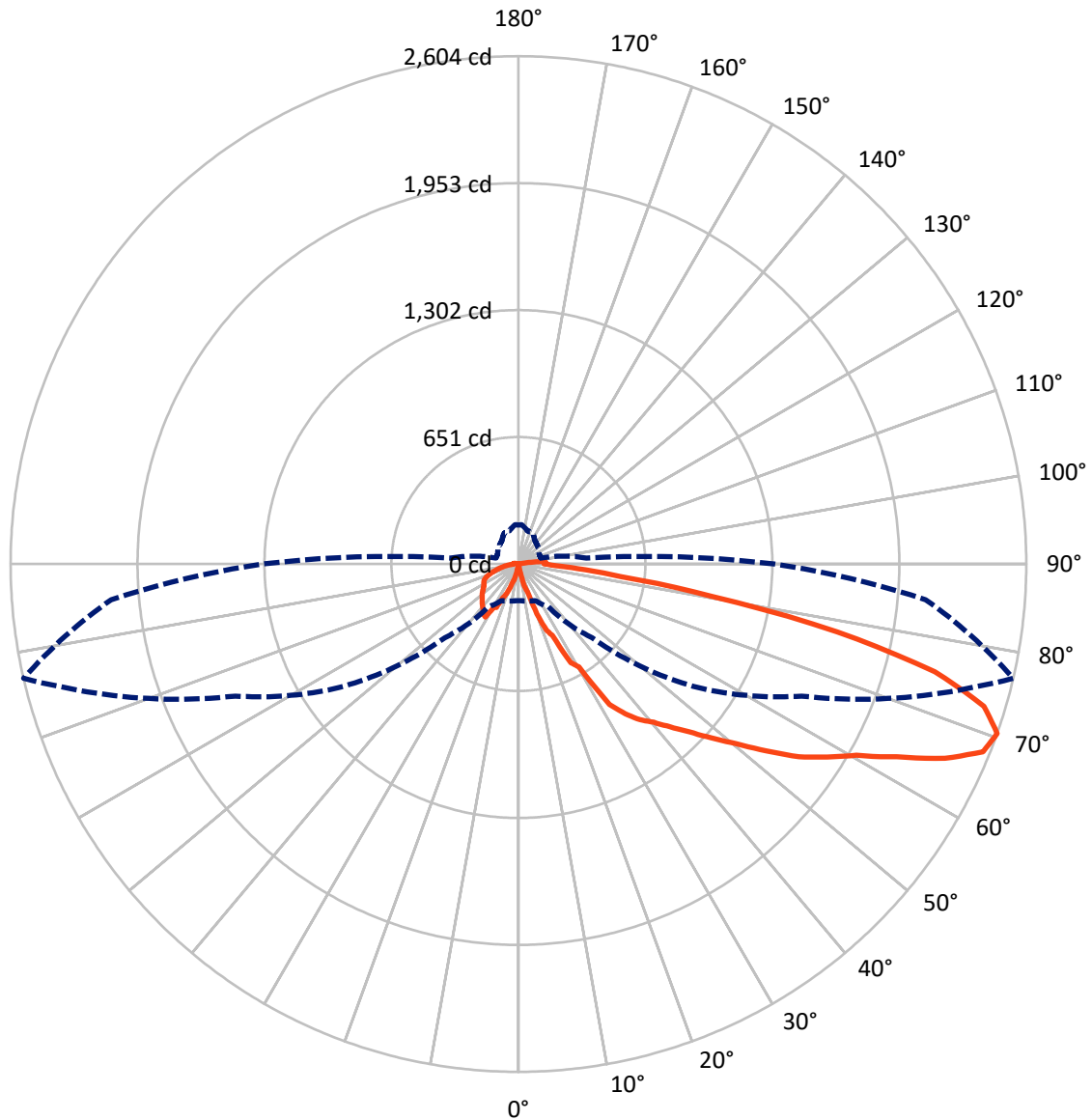


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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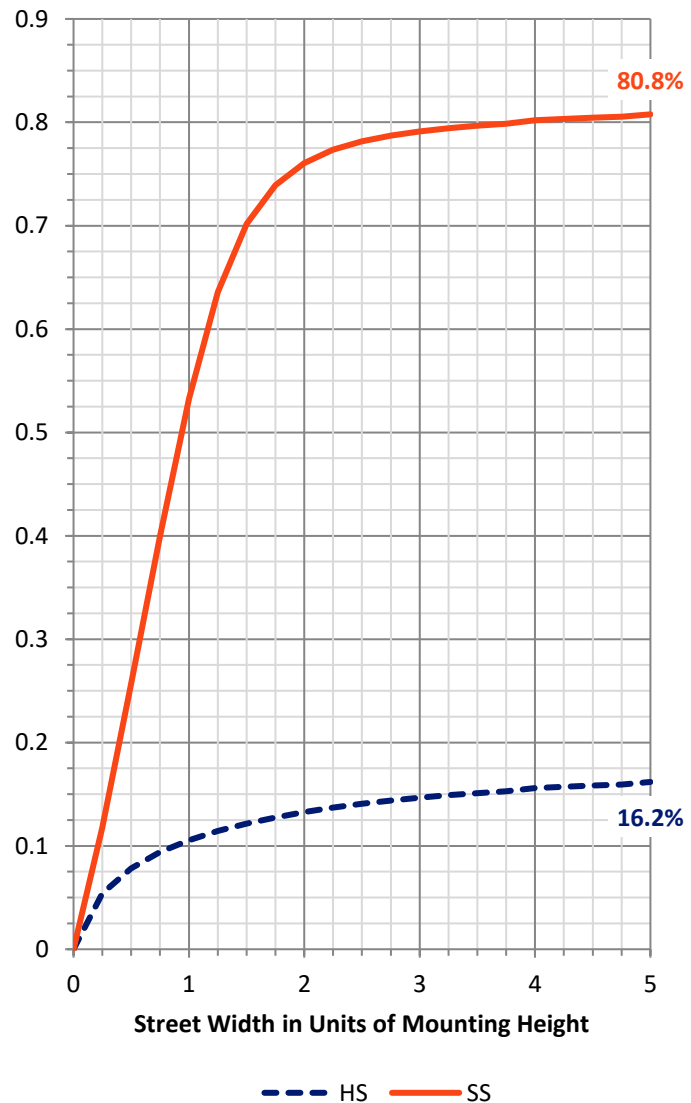
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.2	22.1	525.3
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	2422.3	27.5	2449.8
	% Fixture	81.4	0.9	82.3
Total	Lumens	2925.5	49.6	2975.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	35.4	1.2
20°-30°	140.2	4.7
30°-40°	338.6	11.4
40°-50°	547.6	18.4
50°-60°	655.0	22.0
60°-70°	640.5	21.5
70°-80°	442.8	14.9
80°-90°	122.9	4.1
90°-100°	32.3	1.1
100°-110°	6.6	0.2
110°-120°	3.5	0.1
120°-130°	2.8	0.1
130°-140°	1.9	0.1
140°-150°	1.6	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2925.5	98.3
0°-180°	2975.0	100.0



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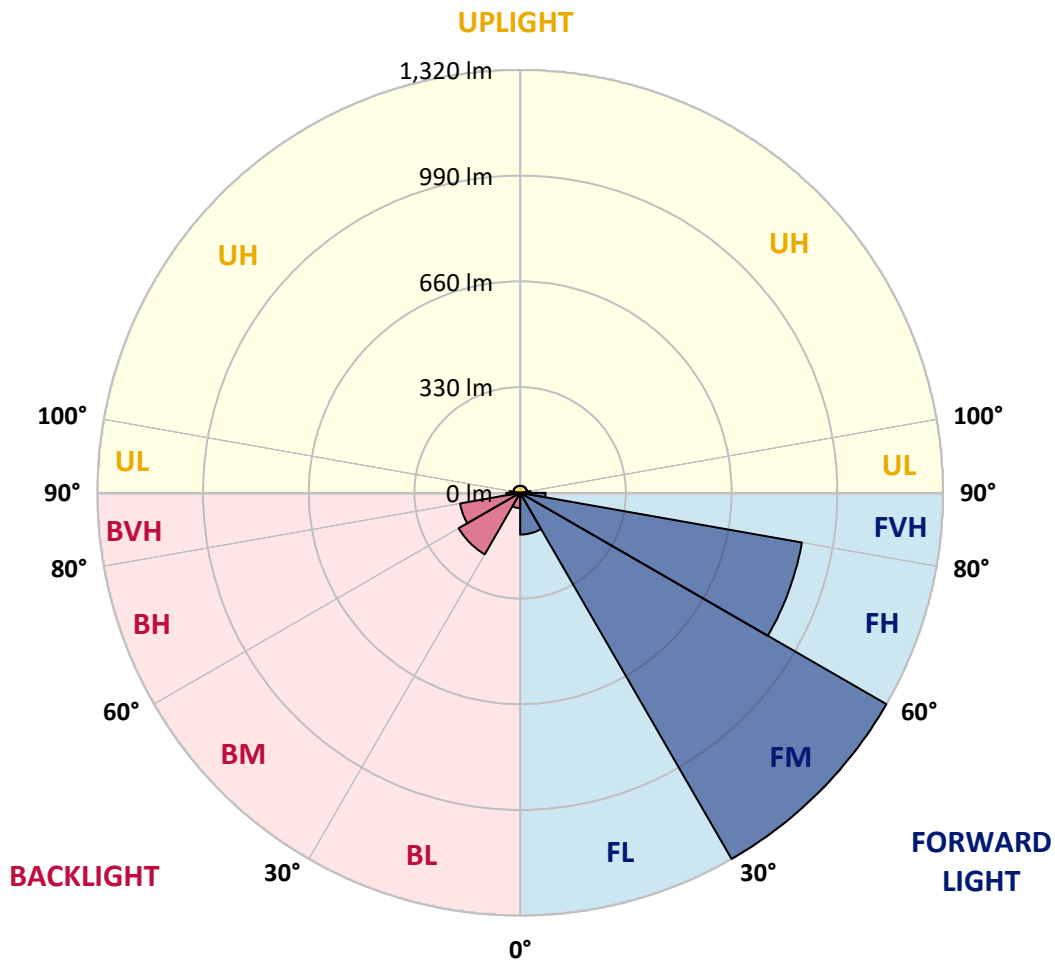
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.4	4.4			
FM (30°-60°)	1319.9	44.4			
FH (60°-80°)	892.8	30.0			G1/1800
FVH (80°-90°)	79.2	2.7			G1/100
BL (0°-30°)	47.7	1.6	B0/110		
BM (30°-60°)	221.3	7.4	B1/1000		
BH (60°-80°)	190.5	6.4	B1/500		G1/500
BVH (80°-90°)	43.7	1.5			G1/100
UL (90°-100°)	32.3	1.1		U2/50	
UH (100°-180°)	22.1	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.7	3.4	3.4	3.7	4.4	4.0	3.0	2.4	2.0	2.0	2.0
5°	72.9	70.6	68.9	48.7	10.8	6.4	4.0	3.0	2.4	2.4	2.0
7.5°	87.0	85.7	85.0	82.7	80.0	74.6	13.4	4.4	2.7	2.7	2.4
10°	98.4	97.4	96.1	94.8	91.1	87.4	80.0	11.1	4.4	4.4	3.7
12.5°	200.6	197.6	194.9	138.4	102.8	98.8	91.7	62.8	47.7	46.0	55.4
15°	206.0	206.0	206.0	207.6	204.6	110.2	150.2	188.2	124.3	120.3	124.3
17.5°	219.4	217.4	214.0	215.0	219.1	243.3	224.1	209.3	165.6	147.2	143.1
20°	328.3	326.6	327.6	303.7	233.5	306.4	304.4	235.9	269.1	272.8	265.8
22.5°	350.4	350.1	349.1	347.8	399.2	325.2	350.1	370.9	376.0	368.6	305.8
25°	497.3	493.6	448.9	378.3	427.7	391.4	467.0	411.3	418.7	405.6	387.4
27.5°	568.2	560.4	552.7	531.6	459.3	523.2	496.9	542.3	607.8	572.9	492.9
30°	749.6	754.0	629.0	621.9	568.2	554.7	608.5	637.4	638.1	612.5	553.4
32.5°	923.0	911.2	882.0	756.3	676.7	621.3	705.6	678.7	835.0	859.1	750.3
35°	1093.0	1070.2	984.5	899.1	789.6	765.7	756.0	849.7	908.9	943.5	811.8
37.5°	1335.3	1318.8	1236.8	1013.7	910.2	824.2	886.4	904.5	998.6	1013.4	895.8
40°	1424.3	1413.2	1345.0	1169.9	1004.6	920.0	944.8	970.4	1087.6	1067.1	958.9
42.5°	1488.1	1484.1	1429.7	1251.6	1127.6	1015.1	1012.4	1025.5	1179.0	1141.4	1022.1
45°	1537.2	1531.5	1499.2	1304.0	1185.7	1073.9	1085.3	1093.3	1259.3	1226.4	1094.3
47.5°	1527.8	1530.1	1534.5	1369.2	1220.3	1131.3	1159.9	1151.8	1324.8	1332.6	1175.3
50°	1455.5	1460.3	1492.5	1395.4	1240.2	1178.3	1224.4	1217.0	1416.2	1448.5	1268.7
52.5°	1240.8	1248.6	1368.2	1354.7	1257.6	1215.3	1290.6	1292.3	1523.1	1591.6	1388.0
55°	908.5	937.8	1083.3	1220.0	1238.5	1227.1	1334.9	1387.7	1646.1	1744.8	1494.5
57.5°	730.8	724.7	825.2	1024.5	1143.7	1212.6	1381.6	1472.7	1758.3	1867.8	1601.0
60°	567.2	569.2	643.4	786.2	977.8	1177.0	1429.3	1549.3	1896.4	1991.5	1731.4
62.5°	422.4	426.4	480.1	565.5	788.3	1077.5	1444.1	1645.0	2088.2	2178.3	1889.0
65°	306.8	313.5	342.7	395.1	569.5	928.4	1399.1	1716.6	2300.9	2403.4	2057.3
67.5°	230.5	234.2	251.3	283.2	406.9	736.8	1287.9	1712.2	2407.8	2569.0	2129.6
70°	187.5	189.2	195.6	207.0	267.1	534.2	1092.7	1602.0	2430.6	2604.3	2096.0
72.5°	159.3	158.6	158.9	160.6	184.5	365.2	844.0	1395.7	2343.3	2497.1	1944.4
75°	136.1	135.1	135.1	133.4	142.5	256.4	581.3	1126.6	2111.1	2206.5	1638.0
77.5°	115.9	114.2	113.9	110.5	114.6	190.8	385.1	839.0	1670.2	1671.9	1161.2
80°	98.8	95.8	94.4	92.1	96.8	145.5	251.3	547.3	1021.8	1005.3	644.4
82.5°	72.9	72.9	74.9	75.6	83.3	107.9	177.4	325.6	557.8	527.9	373.6
85°	42.0	45.7	54.1	55.1	63.8	71.6	133.4	192.9	312.1	301.1	191.5
87.5°	15.5	14.8	22.5	23.9	26.9	26.9	72.6	105.8	163.6	170.4	150.9
90°	12.8	12.8	8.7	8.1	10.4	17.5	49.1	74.3	123.0	132.0	142.5
92.5°	13.4	13.4	8.7	7.7	9.7	15.5	41.3	70.2	129.0	141.5	147.2
95°	12.8	13.1	7.7	7.1	9.1	13.1	30.9	60.1	124.0	135.7	143.8
97.5°	11.1	11.4	6.4	6.0	8.1	9.4	16.8	29.9	61.8	64.2	66.5
100°	9.1	9.1	4.7	5.0	6.4	6.4	8.7	15.8	15.1	12.4	10.8
102.5°	7.7	8.4	4.4	4.0	4.7	4.0	4.0	6.0	9.1	7.7	10.4
105°	6.4	7.1	3.7	3.4	3.7	3.4	2.7	4.4	6.7	7.7	11.1
107.5°	4.4	4.7	2.7	3.0	3.0	3.0	2.0	3.4	6.4	7.4	11.4
110°	3.0	3.0	2.0	2.7	2.7	3.0	2.0	3.4	5.0	5.7	9.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.0	2.0	1.7	2.0	2.4	2.4	2.0	3.0	4.4	4.7	6.4
115°	1.7	1.7	1.3	1.7	2.0	2.0	1.7	2.7	4.4	5.0	6.7
117.5°	2.0	1.7	1.3	1.7	2.0	1.7	1.7	2.4	4.4	5.0	6.7
120°	2.0	2.0	1.7	1.7	1.7	1.7	1.7	2.4	4.4	5.0	6.7
122.5°	2.4	2.0	1.7	1.7	1.7	1.7	1.7	2.0	4.0	4.7	6.4
125°	2.4	2.4	1.7	1.7	2.0	1.7	1.7	2.0	4.0	4.4	6.0
127.5°	2.7	2.4	2.0	1.7	2.0	1.7	1.7	2.0	3.7	4.0	5.4
130°	2.7	2.7	2.0	1.7	2.0	1.7	1.7	1.7	3.0	3.4	4.7
132.5°	2.7	2.7	2.4	2.0	2.4	2.0	1.7	1.7	2.4	2.7	3.7
135°	3.0	2.7	2.7	2.4	2.7	2.4	1.7	1.7	1.7	2.0	2.7
137.5°	3.0	3.0	3.0	2.7	3.0	2.4	1.7	1.7	1.7	1.7	2.0
140°	3.7	3.7	3.4	3.0	3.4	2.7	2.0	1.7	1.7	1.7	2.0
142.5°	4.4	4.4	4.0	3.7	3.4	2.7	2.4	2.0	2.0	2.0	2.0
145°	5.0	4.7	4.7	4.0	3.4	2.7	2.4	2.4	2.4	2.4	2.4
147.5°	5.0	5.0	4.7	3.7	3.0	2.0	2.0	2.7	2.7	2.7	2.7
150°	4.7	4.7	4.0	3.4	2.4	1.7	1.7	2.4	2.7	2.7	2.7
152.5°	3.7	3.4	3.0	2.0	1.7	1.0	1.3	1.7	2.0	2.0	2.4
155°	2.4	2.0	1.7	1.3	1.3	1.0	1.0	1.3	1.3	1.3	1.7
157.5°	1.0	1.0	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.3	0.3	0.3	0.3	1.0	1.0	1.0	0.7	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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.0	2.0	2.0	2.0	2.0	1.7	2.0	2.4	2.7	2.7	2.7
5°	2.0	2.0	2.0	2.4	2.4	2.0	2.4	3.0	3.4	3.4	3.4
7.5°	2.4	2.0	2.4	2.7	2.7	2.7	11.8	33.9	37.6	38.3	39.0
10°	3.4	3.4	3.4	3.7	4.0	35.3	41.7	43.7	45.0	46.0	46.4
12.5°	51.1	44.7	27.9	7.4	35.6	43.7	46.0	49.4	51.1	53.1	52.4
15°	114.6	101.5	76.3	65.2	63.8	48.7	51.1	85.0	94.4	96.1	95.8
17.5°	129.7	111.6	85.0	90.7	94.4	73.2	86.0	95.1	96.8	98.4	98.1
20°	241.2	192.2	115.2	99.8	98.8	123.6	91.7	94.8	98.1	115.6	117.6
22.5°	267.8	221.1	150.9	146.2	119.3	125.7	119.6	121.3	131.7	131.7	131.0
25°	335.3	267.5	170.4	149.2	151.5	125.0	140.4	121.3	123.3	123.3	123.6
27.5°	436.1	343.7	226.1	166.3	149.9	151.2	133.4	123.0	140.8	142.8	143.8
30°	466.7	356.8	223.8	185.8	156.6	146.8	124.7	137.8	132.7	132.7	131.7
32.5°	652.2	486.9	278.5	181.8	160.6	136.4	138.1	129.7	127.3	137.8	137.8
35°	688.8	501.3	268.8	204.6	154.2	142.1	131.4	133.4	129.0	128.4	127.3
37.5°	730.8	511.4	247.0	192.2	163.0	136.4	135.7	130.7	125.0	133.1	134.4
40°	770.8	521.1	229.5	177.4	150.5	135.7	133.1	130.4	118.3	118.3	117.9
42.5°	815.8	527.5	213.7	165.6	138.4	136.1	128.7	120.3	112.2	114.6	113.9
45°	862.5	531.6	197.6	152.5	127.7	140.8	129.0	125.3	118.9	120.0	118.9
47.5°	920.0	538.3	183.5	139.8	121.0	129.0	122.0	120.3	124.0	120.6	122.6
50°	981.1	542.0	170.4	128.7	114.2	125.3	126.3	121.3	124.0	118.3	117.9
52.5°	1054.4	545.3	156.2	121.3	113.2	124.7	132.4	127.0	122.3	114.9	114.2
55°	1118.9	534.6	144.1	116.6	120.0	123.3	137.4	131.0	121.3	112.9	113.2
57.5°	1189.1	520.8	134.4	114.6	118.6	121.0	144.5	136.8	125.7	126.0	126.3
60°	1261.7	507.7	128.4	114.2	116.9	122.0	145.5	144.5	131.4	134.4	136.8
62.5°	1348.4	497.3	127.3	116.6	123.0	127.3	146.5	156.9	145.5	146.8	147.5
65°	1416.2	467.0	126.3	117.9	125.3	128.4	146.8	165.6	160.6	168.3	167.7
67.5°	1395.4	411.3	124.7	119.3	127.0	133.7	146.5	172.0	171.4	189.2	187.5
70°	1310.4	349.4	119.3	117.6	127.7	136.4	146.8	173.7	176.7	201.9	200.3
72.5°	1167.3	281.9	109.5	112.9	128.0	139.8	151.2	174.0	177.4	213.0	208.0
75°	976.7	227.8	95.1	102.1	132.0	141.8	152.2	170.7	170.7	204.3	197.9
77.5°	702.9	175.4	82.0	92.7	130.7	140.4	149.2	163.0	160.6	176.7	170.7
80°	409.6	129.4	69.9	91.1	122.6	137.8	140.8	143.8	132.7	136.4	132.7
82.5°	246.0	95.8	60.5	81.6	107.9	124.0	126.3	121.3	106.5	106.2	101.1
85°	147.5	65.5	44.4	63.2	85.0	103.5	106.2	92.1	78.3	86.4	77.3
87.5°	108.9	41.3	30.6	39.3	51.7	48.4	63.2	59.5	50.7	48.7	48.0
90°	98.1	31.6	25.2	31.9	34.9	29.9	32.3	32.3	26.2	25.9	24.5
92.5°	97.1	29.6	26.9	31.2	28.2	23.9	26.2	25.9	20.8	19.8	18.8
95°	90.7	26.5	26.9	28.2	24.9	19.5	21.2	19.8	14.8	13.8	12.8
97.5°	42.7	18.5	25.5	24.5	20.5	15.1	17.5	15.1	10.4	9.1	9.1
100°	10.1	15.8	21.8	22.2	16.5	11.4	12.1	9.7	6.7	5.7	5.7
102.5°	10.1	7.1	13.4	17.5	10.1	4.7	6.7	6.4	5.0	5.0	5.4
105°	10.1	6.7	6.7	11.4	6.0	3.0	3.0	4.0	4.4	5.7	6.4
107.5°	10.4	7.1	5.4	5.4	4.4	3.0	2.7	3.0	4.4	6.7	7.1
110°	8.7	6.4	5.0	4.7	4.4	3.0	2.4	3.0	4.4	7.4	8.1



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.4	5.7	4.4	4.4	3.7	3.0	2.4	2.7	4.7	8.1	8.7
115°	6.4	5.4	4.0	3.7	3.0	2.7	2.4	2.7	5.0	8.7	9.4
117.5°	6.7	5.4	3.7	3.4	2.7	2.0	2.0	2.7	5.0	9.1	9.7
120°	6.7	5.4	3.7	3.4	2.7	2.0	2.0	3.0	5.4	8.7	9.4
122.5°	6.4	5.4	3.7	3.4	2.7	1.7	2.0	2.7	5.0	8.4	9.1
125°	5.7	5.0	3.7	3.0	2.7	1.7	2.0	2.7	5.0	8.1	8.4
127.5°	5.4	4.7	3.4	3.0	2.4	1.7	2.0	2.7	4.7	7.4	7.7
130°	4.7	4.4	3.0	2.7	2.4	1.7	2.0	2.7	4.7	6.7	7.1
132.5°	3.7	3.4	2.7	2.4	2.4	1.7	2.0	2.4	3.7	5.7	6.0
135°	2.7	2.7	2.4	2.4	2.4	1.7	2.0	2.0	3.0	4.4	4.7
137.5°	2.0	2.0	2.0	2.4	2.0	1.7	1.7	2.0	2.7	3.4	3.7
140°	2.0	2.0	2.0	2.4	2.0	1.7	1.7	2.0	2.4	2.7	3.0
142.5°	2.0	2.0	2.0	2.4	2.0	1.3	1.7	2.0	2.4	2.7	2.7
145°	2.4	2.4	2.4	2.4	2.0	1.3	1.3	2.0	2.4	2.7	2.7
147.5°	2.7	2.7	2.4	2.4	2.0	1.0	1.0	2.0	2.4	2.7	2.7
150°	2.7	2.7	2.4	2.4	1.7	1.0	1.0	1.7	2.4	2.4	2.4
152.5°	2.0	2.0	2.0	2.0	1.7	0.7	0.7	1.3	2.0	2.0	2.0
155°	1.7	1.7	1.7	1.7	1.3	0.7	0.3	1.0	1.7	1.7	1.7
157.5°	1.0	1.3	1.3	1.7	1.3	0.7	0.3	0.7	1.3	1.3	1.3
160°	0.7	1.0	1.0	1.3	1.3	0.7	0.3	0.7	1.0	1.0	1.0
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)