

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: P416710

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8223 lumens
Efficiency: N/A
Efficacy: 99.1 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: B3 - U3 - G3

Input Watts (W): 83
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

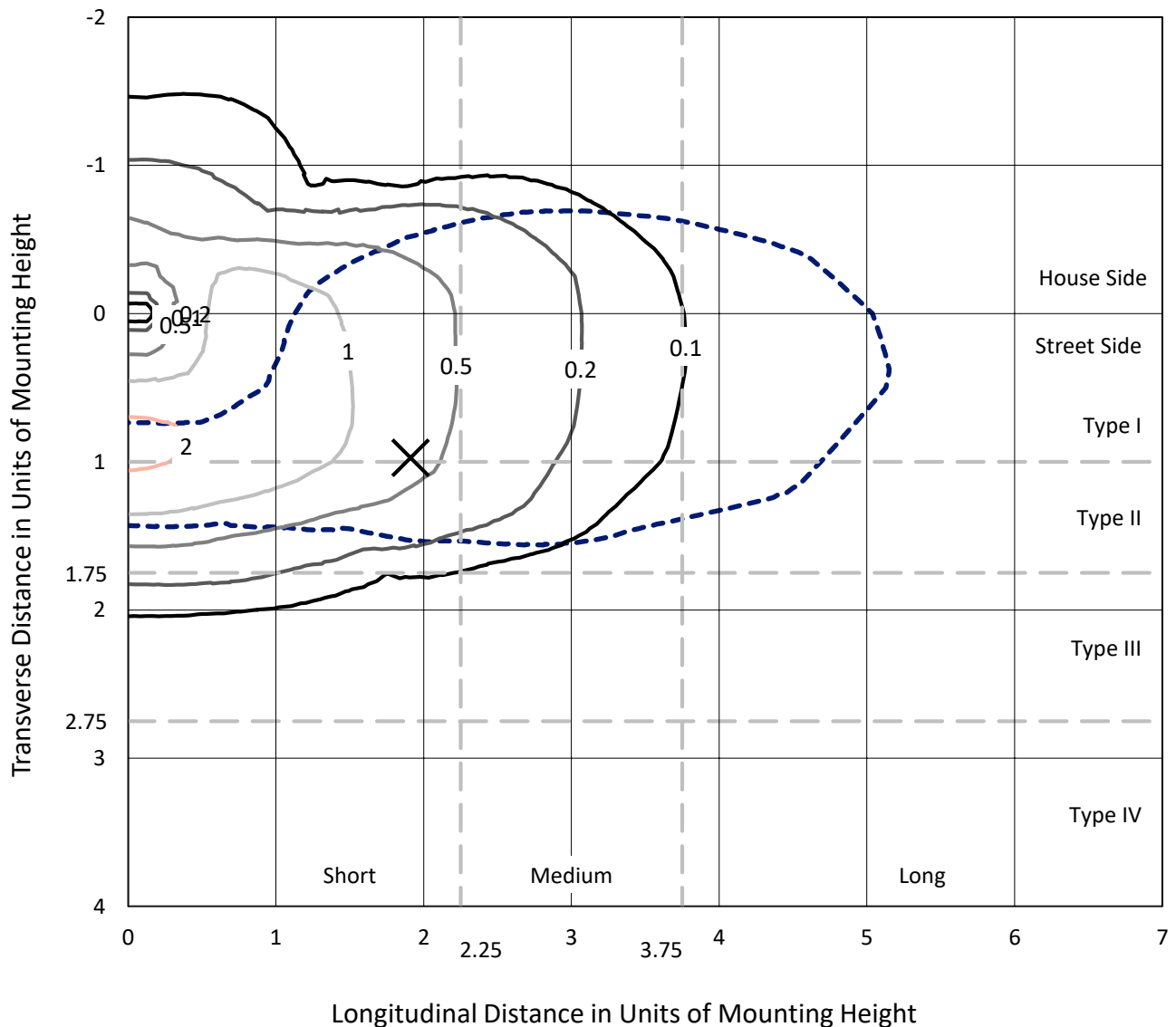


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

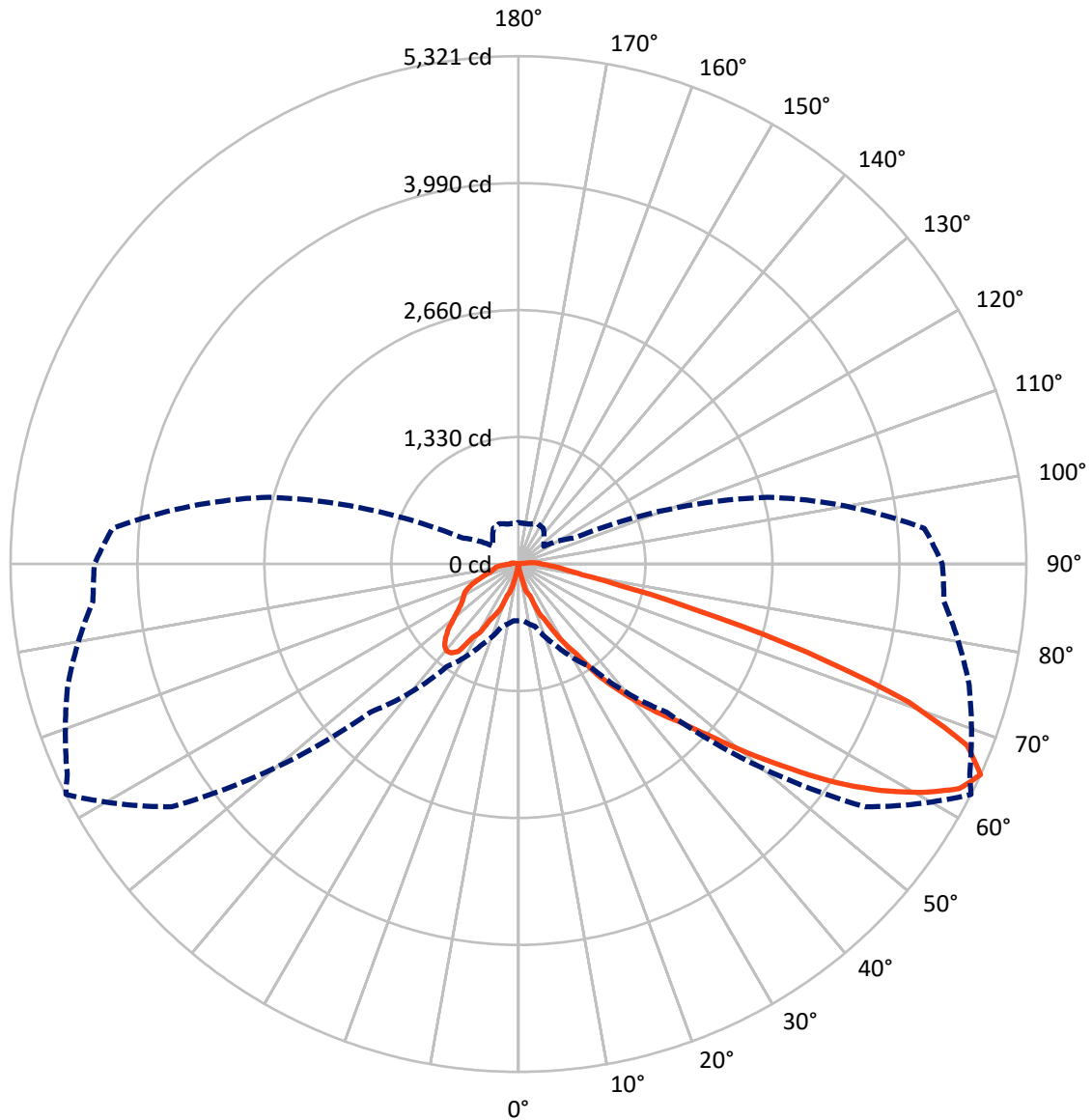


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2340.2	68.0	2408.1
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	5751.6	63.3	5814.9
	% Fixture	69.9	0.8	70.7
Total	Lumens	8091.8	131.2	8223.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	73.9	0.9
20°-30°	302.1	3.7
30°-40°	784.9	9.5
40°-50°	1492.6	18.2
50°-60°	2009.3	24.4
60°-70°	1903.5	23.1
70°-80°	1192.8	14.5
80°-90°	327.5	4.0
90°-100°	91.7	1.1
100°-110°	17.0	0.2
110°-120°	8.3	0.1
120°-130°	6.0	0.1
130°-140°	3.9	0.0
140°-150°	3.2	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8091.8	98.4
0°-180°	8223.0	100.0



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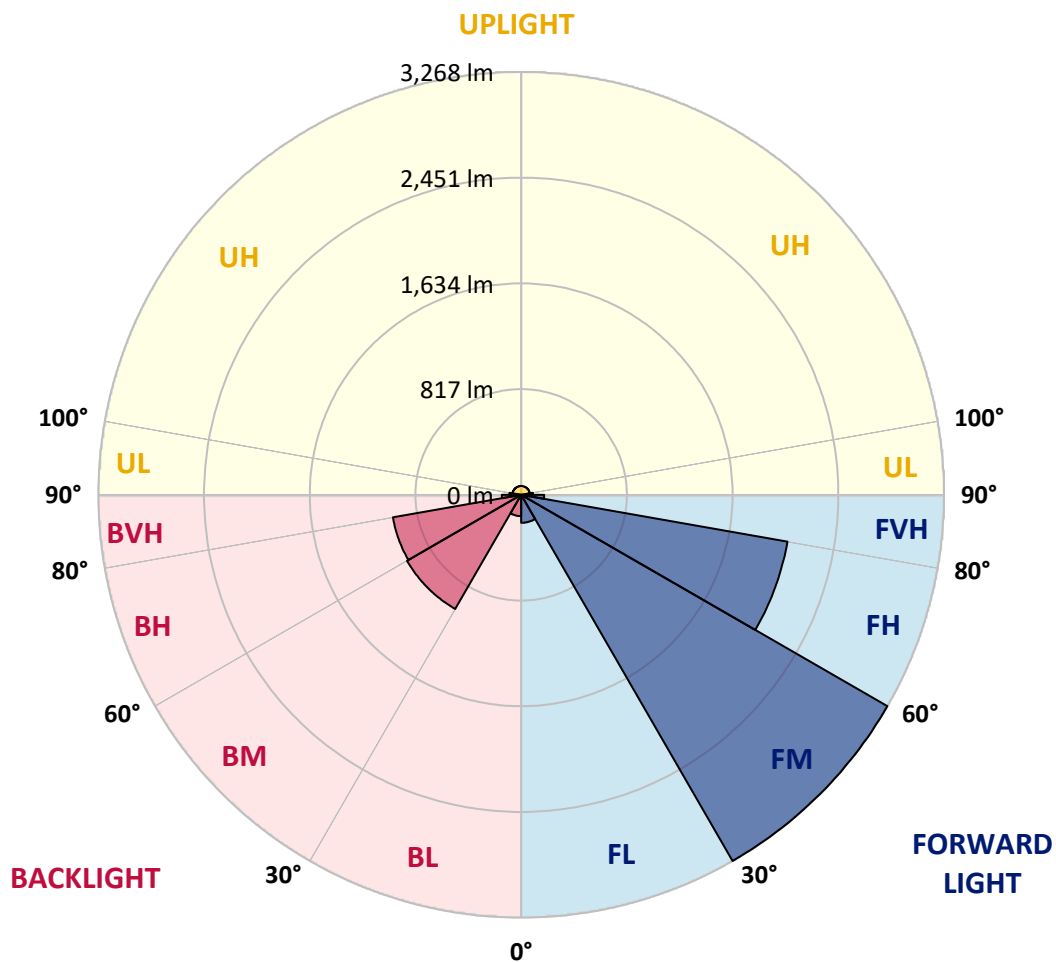
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.4	2.6			
FM	(30°-60°)	3267.9	39.7			
FH	(60°-80°)	2089.6	25.4			G2/5000
FVH	(80°-90°)	177.7	2.2			G2/225
BL	(0°-30°)	164.8	2.0	B1/500		
BM	(30°-60°)	1018.9	12.4	B2/2500		
BH	(60°-80°)	1006.6	12.2	B3/2500		G3/2500
BVH	(80°-90°)	149.9	1.8			G2/225
UL	(90°-100°)	91.7	1.1		U3/500	
UH	(100°-180°)	68.0	0.8		U3/500	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.9	10.0	10.9	10.9	10.0	9.1	8.2	7.3	6.4	4.6	3.6
5°	128.4	129.3	127.5	124.8	44.6	20.0	11.8	9.1	8.2	5.5	4.6
7.5°	147.5	146.6	145.7	143.9	137.5	129.3	70.1	16.4	12.8	7.3	4.6
10°	162.1	160.3	155.7	154.8	148.4	143.9	133.0	85.6	71.9	12.8	9.1
12.5°	295.1	288.7	283.2	234.1	163.9	154.8	148.4	129.3	126.6	81.1	121.1
15°	308.7	309.6	306.0	300.5	287.8	193.1	240.4	291.4	290.5	251.4	247.7
17.5°	350.6	347.9	334.2	320.6	316.0	343.3	340.6	325.1	325.1	287.8	272.3
20°	541.9	537.3	529.1	440.8	392.5	443.5	416.2	362.5	364.3	444.4	482.7
22.5°	627.5	625.7	609.3	570.1	555.5	489.1	548.3	567.4	556.5	562.8	539.2
25°	858.8	849.7	777.8	708.5	716.7	660.3	659.4	647.5	641.2	612.9	655.7
27.5°	1092.9	1085.6	1069.2	971.7	827.9	796.0	745.0	813.3	795.1	860.6	875.2
30°	1448.1	1381.6	1243.1	1177.6	1130.2	978.1	963.5	984.5	979.0	960.8	944.4
32.5°	1817.8	1790.5	1709.4	1469.9	1319.6	1232.2	1189.4	1124.7	1094.7	1290.5	1304.2
35°	2204.0	2178.5	1979.9	1840.6	1582.8	1440.8	1417.1	1426.2	1386.1	1481.8	1459.0
37.5°	2883.4	2870.6	2671.2	2238.6	1969.0	1691.2	1658.4	1647.5	1584.7	1653.9	1654.8
40°	3319.6	3298.7	3078.3	2759.5	2325.1	2093.8	1934.4	1871.5	1855.2	1858.8	1859.7
42.5°	3643.8	3610.1	3481.7	3188.5	2734.9	2463.5	2238.6	2117.4	2150.2	2086.5	2082.8
45°	3854.2	3836.0	3719.4	3474.4	3160.2	3025.4	2627.4	2354.2	2464.4	2350.6	2345.1
47.5°	3901.6	3893.4	3812.3	3689.4	3558.2	3501.7	3096.5	2678.4	2779.5	2729.4	2627.4
50°	3695.7	3703.0	3673.0	3717.6	3860.6	3925.2	3591.0	3108.3	3163.9	3044.6	2914.3
52.5°	3245.8	3244.9	3354.2	3551.8	3971.7	4230.3	4049.1	3555.5	3552.7	3336.9	3189.4
55°	2605.6	2654.8	2839.6	3146.6	3819.6	4370.6	4483.5	4047.3	3970.8	3678.4	3434.4
57.5°	1985.4	2049.1	2275.9	2554.6	3387.0	4271.3	4799.5	4474.4	4395.2	3986.3	3693.9
60°	1343.3	1367.9	1653.9	1976.3	2693.9	3889.7	4948.0	4859.6	4772.2	4300.5	3956.2
62.5°	895.2	917.1	1081.0	1473.6	1931.7	3161.1	4852.4	5184.8	5069.1	4672.0	4230.3
65°	595.6	595.6	676.7	948.1	1314.2	2194.9	4433.4	5320.5	5215.7	4887.0	4473.5
67.5°	439.0	446.3	472.7	611.1	895.2	1313.3	3526.3	5070.0	5080.9	4911.6	4550.9
70°	398.0	402.5	425.3	460.8	639.3	781.4	2330.6	4343.3	4531.8	4725.8	4451.6
72.5°	347.9	349.7	386.1	424.4	503.6	599.3	1355.2	3156.6	3552.7	4321.4	4178.4
75°	291.4	294.2	323.3	380.7	435.3	502.7	721.3	1921.6	2316.0	3710.3	3816.9
77.5°	236.8	243.2	266.8	311.5	399.8	421.7	553.7	1098.3	1341.5	2763.1	3226.7
80°	182.1	188.5	209.5	245.0	327.0	372.5	459.9	675.8	813.3	1717.6	2255.0
82.5°	124.8	129.3	150.3	176.7	234.1	310.6	380.7	498.2	538.2	939.9	1244.1
85°	88.3	91.1	104.7	116.6	145.7	204.0	317.8	395.3	406.2	498.2	506.4
87.5°	50.1	49.2	51.0	59.2	66.5	79.2	187.6	289.6	303.3	347.0	322.4
90°	34.6	33.7	28.2	27.3	31.0	33.7	106.6	230.4	242.3	279.6	286.9
92.5°	36.4	34.6	27.3	25.5	29.1	31.0	71.0	201.3	226.8	279.6	295.1
95°	34.6	32.8	24.6	21.9	26.4	27.3	43.7	138.4	178.5	261.4	288.7
97.5°	30.1	28.2	20.0	18.2	21.9	21.9	24.6	63.8	87.4	122.0	137.5
100°	24.6	22.8	16.4	14.6	15.5	16.4	15.5	31.9	31.9	33.7	26.4
102.5°	21.9	20.9	13.7	11.8	10.9	10.9	10.0	15.5	16.4	18.2	22.8
105°	19.1	18.2	11.8	10.0	8.2	8.2	7.3	10.0	10.9	15.5	21.9
107.5°	13.7	13.7	10.0	8.2	7.3	7.3	5.5	8.2	9.1	13.7	22.8
110°	9.1	9.1	7.3	7.3	6.4	7.3	5.5	8.2	8.2	10.9	17.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	7.3	7.3	6.4	5.5	4.6	5.5	6.4	7.3	7.3	8.2	10.9
115°	7.3	6.4	5.5	4.6	3.6	4.6	4.6	6.4	6.4	8.2	10.9
117.5°	7.3	7.3	5.5	4.6	3.6	3.6	4.6	5.5	5.5	8.2	11.8
120°	7.3	7.3	5.5	4.6	3.6	2.7	3.6	5.5	5.5	7.3	10.9
122.5°	7.3	7.3	5.5	4.6	3.6	2.7	3.6	4.6	4.6	6.4	10.9
125°	8.2	8.2	6.4	4.6	3.6	2.7	3.6	3.6	3.6	6.4	10.0
127.5°	8.2	8.2	6.4	4.6	3.6	2.7	3.6	3.6	3.6	5.5	8.2
130°	8.2	8.2	6.4	4.6	3.6	2.7	3.6	2.7	2.7	4.6	7.3
132.5°	8.2	7.3	6.4	5.5	4.6	3.6	3.6	2.7	2.7	2.7	5.5
135°	7.3	7.3	6.4	5.5	4.6	3.6	3.6	2.7	2.7	2.7	3.6
137.5°	7.3	7.3	7.3	6.4	5.5	4.6	3.6	2.7	2.7	2.7	2.7
140°	8.2	8.2	8.2	7.3	5.5	4.6	3.6	2.7	2.7	2.7	2.7
142.5°	9.1	9.1	9.1	8.2	5.5	4.6	4.6	2.7	2.7	2.7	2.7
145°	10.0	10.0	10.0	8.2	5.5	4.6	4.6	3.6	3.6	2.7	3.6
147.5°	10.9	10.9	10.0	8.2	4.6	3.6	3.6	3.6	3.6	3.6	3.6
150°	10.0	9.1	9.1	6.4	3.6	1.8	2.7	2.7	2.7	3.6	3.6
152.5°	7.3	7.3	6.4	4.6	2.7	0.9	1.8	1.8	2.7	2.7	2.7
155°	4.6	4.6	3.6	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	3.6	3.6	4.6	5.5	5.5	6.4	6.4	6.4	6.4	6.4	6.4
5°	3.6	3.6	4.6	5.5	6.4	7.3	8.2	8.2	8.2	9.1	9.1
7.5°	4.6	4.6	4.6	6.4	7.3	10.0	27.3	82.0	126.6	130.2	132.1
10°	9.1	9.1	9.1	9.1	20.0	116.6	144.8	151.2	154.8	157.6	157.6
12.5°	122.0	121.1	43.7	21.9	100.2	151.2	160.3	164.8	168.5	171.2	172.1
15°	247.7	248.6	248.6	251.4	182.1	164.8	173.9	256.8	304.2	313.3	316.9
17.5°	271.4	271.4	270.5	301.5	338.8	267.8	298.7	326.0	335.1	339.7	341.5
20°	495.4	494.5	398.9	346.1	357.9	444.4	334.2	347.0	354.3	422.6	424.4
22.5°	546.4	543.7	531.9	534.6	421.7	480.9	458.1	444.4	487.2	485.4	487.2
25°	671.2	605.6	580.1	574.7	611.1	500.0	531.0	459.9	470.8	469.0	470.8
27.5°	878.9	855.2	796.0	673.0	651.2	617.5	531.9	482.7	542.8	556.5	558.3
30°	942.6	912.5	849.7	855.2	725.8	628.4	518.2	534.6	513.7	511.8	508.2
32.5°	1292.3	1253.2	1158.4	932.6	808.7	590.2	520.9	486.3	497.3	533.7	535.5
35°	1439.9	1395.2	1328.8	1190.3	784.1	579.2	476.3	474.5	481.8	482.7	480.9
37.5°	1607.4	1549.1	1486.3	1254.1	818.7	524.6	444.4	445.3	461.7	493.6	490.0
40°	1802.3	1737.7	1635.7	1291.4	735.0	491.8	423.5	437.1	454.5	447.2	440.8
42.5°	2021.8	1916.2	1755.9	1284.1	639.3	453.5	418.0	427.1	424.4	410.7	407.1
45°	2248.6	2136.6	1873.4	1223.1	552.8	429.0	408.0	410.7	399.8	382.5	378.9
47.5°	2510.0	2362.4	1939.8	1133.9	483.6	427.1	405.3	396.2	375.2	359.7	358.8
50°	2773.2	2612.0	2043.7	1014.6	431.7	419.8	411.6	392.5	367.0	351.5	349.7
52.5°	3030.9	2889.7	2155.7	914.4	392.5	411.6	414.4	394.3	367.0	344.3	343.3
55°	3289.5	3165.7	2276.8	835.1	366.1	410.7	424.4	399.8	372.5	338.8	337.9
57.5°	3549.1	3428.9	2393.4	782.3	354.3	398.9	430.8	417.1	387.1	358.8	360.6
60°	3856.9	3714.9	2530.9	745.0	349.7	392.5	436.2	437.1	396.2	364.3	368.8
62.5°	4159.3	4015.4	2647.5	710.4	337.9	386.1	439.0	452.6	416.2	388.9	393.4
65°	4440.7	4269.5	2701.2	643.9	323.3	378.9	455.4	466.3	431.7	429.0	434.4
67.5°	4548.2	4388.8	2648.4	561.0	314.2	378.9	472.7	485.4	448.1	462.6	477.2
70°	4444.3	4311.4	2515.4	457.2	316.9	381.6	475.4	494.5	471.8	483.6	496.3
72.5°	4122.0	3952.6	2192.1	367.9	316.9	378.0	463.6	480.0	462.6	501.8	514.6
75°	3714.9	3419.8	1745.0	303.3	307.8	376.1	436.2	455.4	438.1	479.0	492.7
77.5°	3068.2	2690.3	1206.7	267.8	295.1	359.7	408.0	411.6	394.3	418.9	425.3
80°	2163.9	1813.3	764.1	242.3	282.3	325.1	361.6	355.2	337.9	342.4	347.9
82.5°	1206.7	959.0	445.3	223.1	265.0	270.5	296.0	297.8	275.0	276.0	276.9
85°	479.0	443.5	301.5	187.6	214.0	194.9	221.3	230.4	208.6	183.1	177.6
87.5°	317.8	301.5	210.4	128.4	131.1	110.2	143.9	149.4	122.9	106.6	105.6
90°	302.4	293.3	181.2	86.5	72.9	60.1	80.1	77.4	59.2	51.9	52.8
92.5°	311.5	306.0	184.0	82.9	71.0	57.4	71.0	61.0	44.6	39.2	40.1
95°	306.9	304.2	179.4	81.1	67.4	52.8	60.1	49.2	34.6	31.0	31.0
97.5°	145.7	153.9	111.1	72.9	60.1	44.6	46.4	37.3	24.6	22.8	21.9
100°	21.9	34.6	60.1	67.4	44.6	31.0	30.1	24.6	15.5	14.6	14.6
102.5°	22.8	24.6	37.3	46.4	24.6	16.4	16.4	14.6	11.8	13.7	13.7
105°	24.6	22.8	21.9	25.5	14.6	10.0	9.1	9.1	10.0	14.6	15.5
107.5°	26.4	24.6	17.3	13.7	10.9	9.1	7.3	6.4	9.1	15.5	16.4
110°	20.0	19.1	14.6	10.9	10.9	10.0	6.4	6.4	10.0	16.4	18.2



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CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.8	13.7	12.8	10.0	9.1	9.1	6.4	6.4	10.0	17.3	19.1
115°	12.8	12.8	10.9	8.2	7.3	7.3	6.4	5.5	10.0	18.2	19.1
117.5°	12.8	12.8	10.9	8.2	6.4	5.5	5.5	5.5	10.0	18.2	19.1
120°	12.8	12.8	10.9	7.3	6.4	5.5	5.5	5.5	10.0	17.3	19.1
122.5°	11.8	11.8	10.0	7.3	5.5	5.5	5.5	5.5	10.0	16.4	17.3
125°	10.9	10.9	9.1	6.4	5.5	4.6	5.5	5.5	9.1	14.6	15.5
127.5°	9.1	10.0	8.2	6.4	5.5	4.6	5.5	5.5	8.2	12.8	13.7
130°	8.2	8.2	7.3	5.5	4.6	4.6	5.5	5.5	8.2	11.8	12.8
132.5°	6.4	6.4	5.5	5.5	4.6	4.6	4.6	4.6	6.4	10.0	10.0
135°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3	8.2
137.5°	3.6	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.4	6.4
140°	2.7	3.6	3.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	2.7	3.6	3.6	4.6	4.6	4.6	4.6	4.6	5.5	6.4	6.4
145°	3.6	3.6	4.6	4.6	4.6	3.6	4.6	4.6	5.5	6.4	6.4
147.5°	3.6	3.6	4.6	4.6	4.6	3.6	3.6	4.6	5.5	6.4	6.4
150°	3.6	3.6	4.6	4.6	3.6	2.7	3.6	3.6	4.6	6.4	6.4
152.5°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	2.7	3.6	4.6	4.6
155°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	3.6
157.5°	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8
160°	0.9	0.9	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
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)