

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: P416914

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6207 lumens
Efficiency: N/A
Efficacy: 74.8 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 - 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

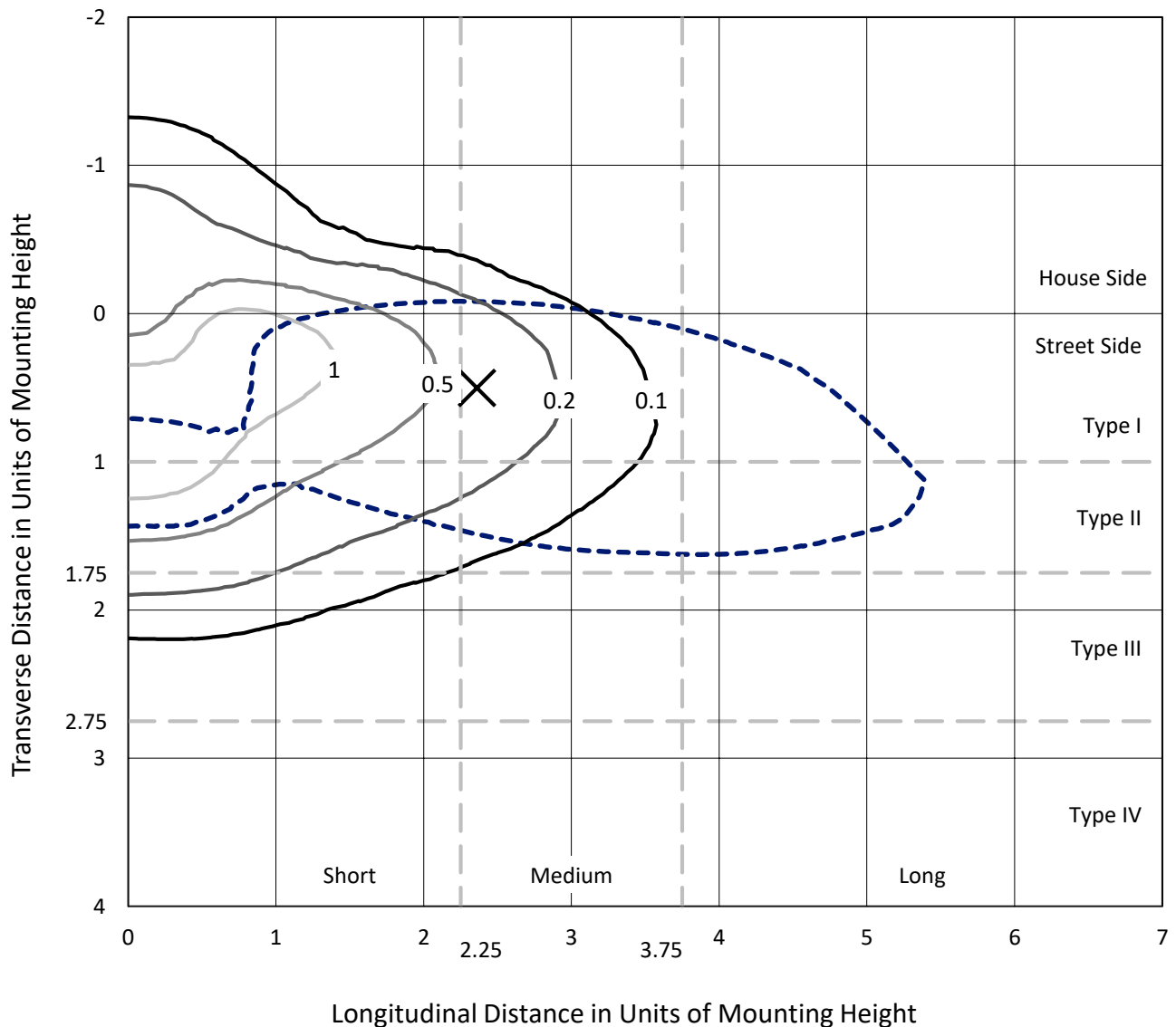


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

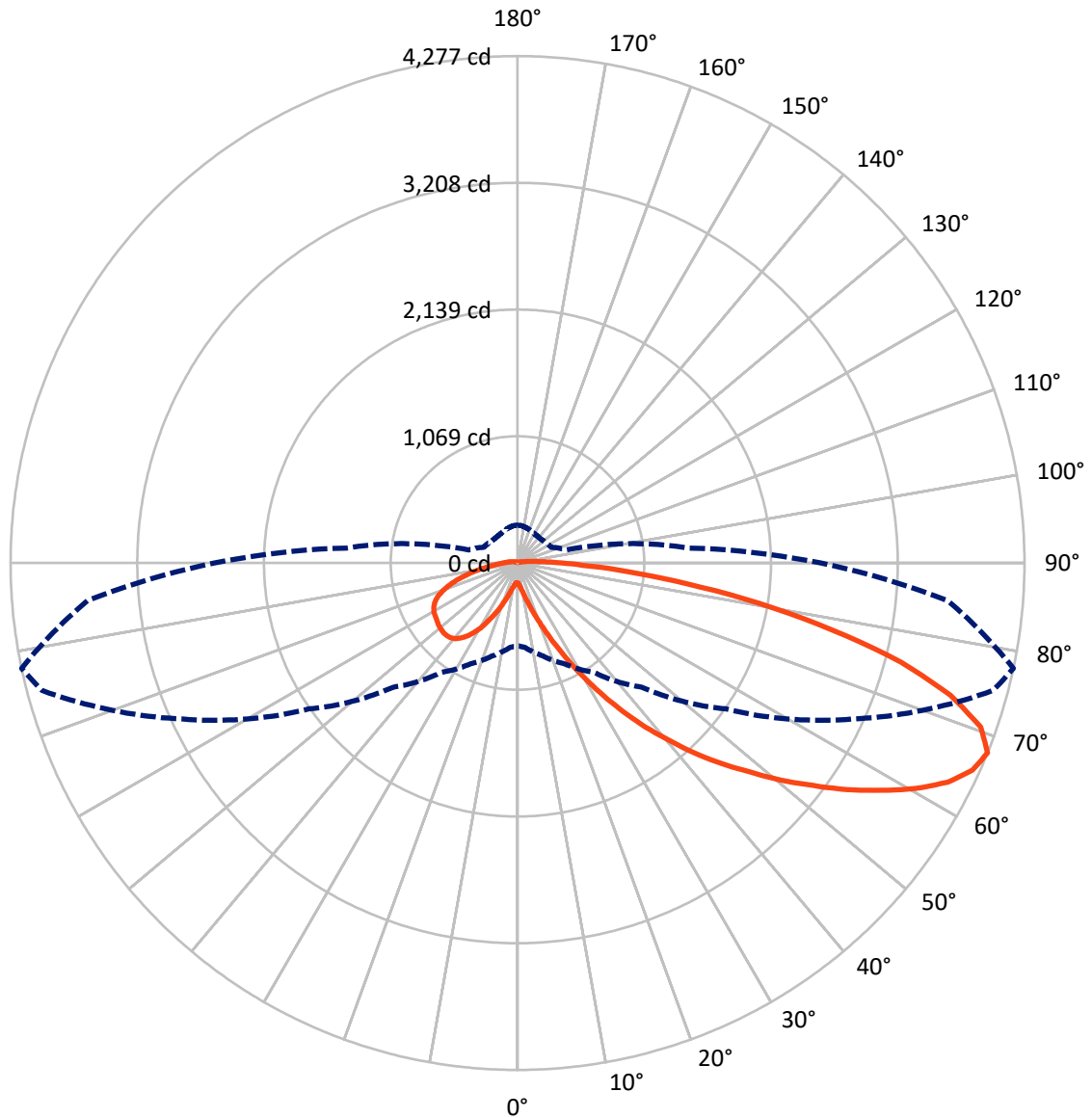


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1179.4	95.8	1275.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	4834.8	97.1	4931.8
	% Fixture	77.9	1.6	79.5
Total	Lumens	6014.2	192.8	6207.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.3
10°-20°	96.4	1.6
20°-30°	293.8	4.7
30°-40°	657.3	10.6
40°-50°	1083.1	17.5
50°-60°	1333.1	21.5
60°-70°	1293.0	20.8
70°-80°	895.4	14.4
80°-90°	342.8	5.5
90°-100°	98.4	1.6
100°-110°	42.6	0.7
110°-120°	23.0	0.4
120°-130°	14.2	0.2
130°-140°	8.8	0.1
140°-150°	4.3	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6014.2	96.9
0°-180°	6207.0	100.0



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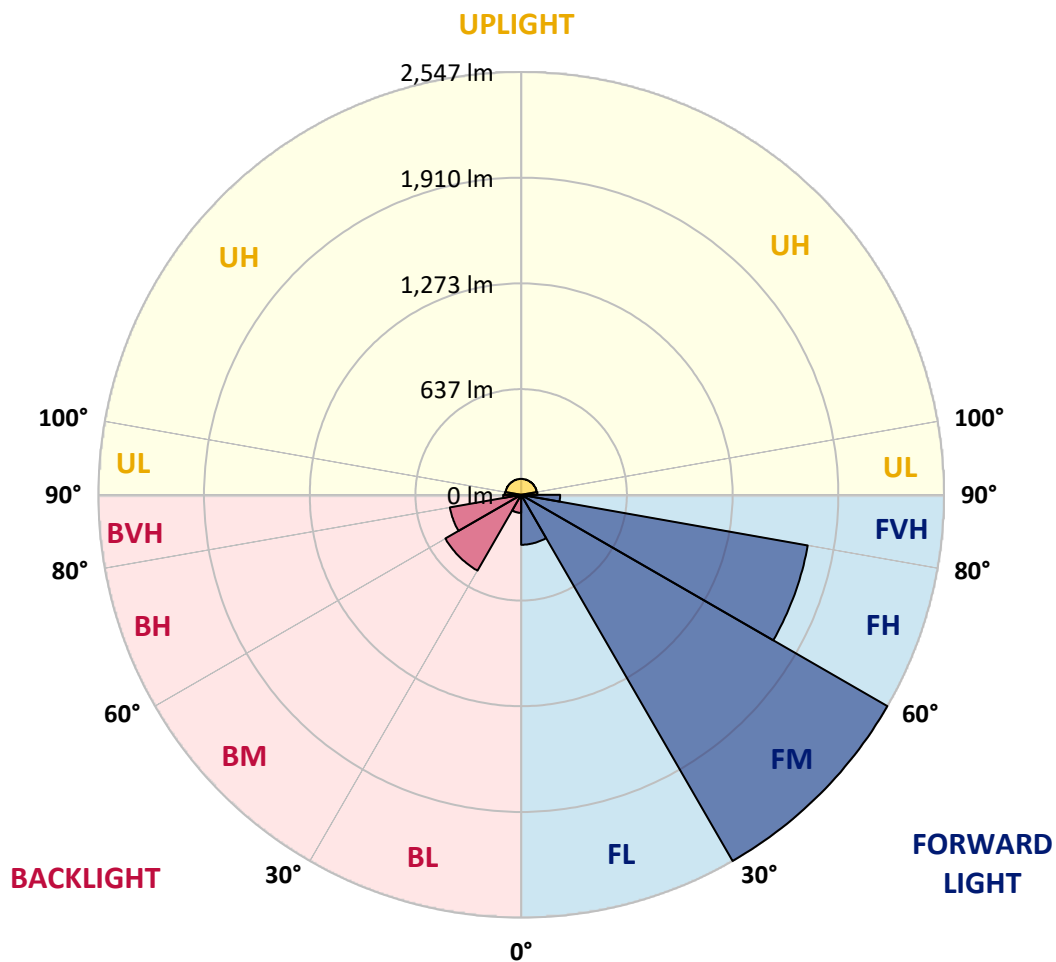
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.9	4.8			
FM	(30°-60°)	2546.7	41.0			
FH	(60°-80°)	1752.6	28.2			G1/1800
FVH	(80°-90°)	234.6	3.8			G3/500
BL	(0°-30°)	108.6	1.7	B0/110		
BM	(30°-60°)	526.8	8.5	B1/1000		
BH	(60°-80°)	435.8	7.0	B1/500		G1/500
BVH	(80°-90°)	108.2	1.7			G2/225
UL	(90°-100°)	98.4	1.6		U3/500	
UH	(100°-180°)	95.8	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1
2.5°	201.4	200.0	200.0	199.2	196.3	193.3	188.9	183.8	179.4	176.4	173.5
5°	244.8	239.7	241.1	236.7	231.6	225.7	217.6	206.6	196.3	194.1	186.0
7.5°	297.0	290.4	292.6	287.4	277.9	265.4	254.4	238.2	222.7	217.6	205.8
10°	363.2	356.5	352.9	345.5	334.5	318.3	301.4	280.1	258.8	251.4	236.7
12.5°	441.8	436.7	431.5	421.2	403.6	383.0	361.7	338.2	310.2	300.7	277.9
15°	539.6	535.2	524.1	510.2	484.5	461.7	429.3	408.0	373.4	361.7	333.7
17.5°	649.1	640.3	629.3	608.7	579.3	550.6	523.4	487.4	449.9	440.3	405.8
20°	784.4	781.4	760.1	725.6	693.2	654.3	627.8	592.5	550.6	537.4	491.8
22.5°	944.6	938.8	913.8	861.6	813.1	763.1	741.7	705.0	674.9	656.5	596.9
25°	1137.2	1126.2	1085.1	1022.6	953.5	893.9	858.6	845.4	821.9	793.9	721.2
27.5°	1342.4	1343.1	1286.5	1193.9	1097.6	1026.2	999.0	1004.2	975.5	960.1	871.1
30°	1596.0	1577.6	1503.3	1389.4	1259.3	1167.4	1151.2	1176.9	1168.9	1138.7	1033.6
32.5°	1849.6	1843.0	1751.1	1595.2	1424.7	1324.0	1312.2	1368.1	1365.9	1335.7	1201.9
35°	2102.5	2095.1	1981.2	1799.6	1597.4	1482.0	1471.7	1545.2	1571.7	1541.6	1391.6
37.5°	2356.8	2339.9	2225.2	2004.7	1761.4	1626.8	1631.3	1723.9	1785.6	1758.4	1574.7
40°	2581.0	2578.1	2444.3	2193.6	1919.4	1773.9	1803.3	1925.3	2001.0	1963.5	1760.6
42.5°	2753.1	2740.6	2622.2	2350.2	2061.3	1911.3	1962.1	2123.8	2220.8	2195.1	1943.7
45°	2832.5	2825.1	2730.3	2468.6	2171.6	2030.4	2110.6	2307.6	2439.9	2412.0	2131.9
47.5°	2811.1	2804.5	2753.1	2526.6	2244.4	2132.6	2241.4	2486.2	2670.0	2632.5	2319.3
50°	2683.2	2689.8	2673.7	2509.7	2270.1	2198.0	2365.7	2664.9	2894.9	2877.3	2500.2
52.5°	2449.5	2468.6	2494.3	2421.5	2246.6	2227.4	2455.3	2820.0	3118.4	3117.7	2700.9
55°	2145.8	2159.1	2248.8	2235.5	2156.9	2226.7	2521.5	2972.9	3369.8	3373.5	2908.2
57.5°	1823.9	1817.2	1936.3	2005.4	2026.0	2170.1	2553.8	3108.1	3591.9	3617.6	3127.3
60°	1471.7	1496.0	1607.7	1748.9	1826.1	2058.4	2542.8	3203.7	3805.8	3862.4	3326.5
62.5°	1196.1	1185.0	1307.8	1461.4	1618.0	1898.1	2462.7	3248.5	4009.4	4072.6	3510.3
65°	903.5	926.3	1037.3	1173.3	1359.3	1695.9	2333.3	3225.0	4135.1	4216.0	3625.7
67.5°	696.9	714.5	809.4	937.3	1127.0	1481.3	2146.6	3115.5	4154.2	4277.0	3641.8
70°	538.9	552.8	619.7	728.5	909.4	1244.6	1884.1	2906.7	4049.8	4145.4	3493.3
72.5°	429.3	435.2	482.2	570.5	718.2	1015.2	1598.9	2578.8	3734.5	3819.7	3189.0
75°	337.4	346.2	384.5	450.6	560.9	811.6	1307.1	2178.9	3254.4	3342.6	2769.2
77.5°	268.3	277.1	305.8	352.1	435.2	625.6	1021.1	1775.3	2656.8	2711.2	2206.1
80°	213.2	217.6	241.9	276.4	338.2	482.2	768.9	1347.5	2012.1	2068.7	1639.3
82.5°	161.7	165.4	189.7	219.8	263.9	365.4	555.8	947.6	1417.3	1432.8	1113.0
85°	116.2	122.8	142.6	167.6	202.2	272.0	398.4	643.2	904.2	927.7	705.0
87.5°	82.3	85.3	105.1	128.6	154.4	201.4	277.1	423.4	556.5	549.9	427.8
90°	55.9	58.1	75.7	94.8	117.6	150.7	193.3	266.1	341.8	330.8	268.3
92.5°	37.5	41.2	55.9	72.0	91.9	116.2	137.5	174.2	211.7	201.4	170.6
95°	27.9	29.4	42.6	57.3	73.5	89.0	102.2	119.1	135.3	132.3	117.6
97.5°	22.1	23.5	34.6	47.0	59.5	72.0	79.4	85.3	94.1	93.4	84.5
100°	19.1	19.8	29.4	40.4	51.5	60.3	64.7	66.2	69.1	67.6	64.7
102.5°	16.2	17.6	25.7	35.3	44.8	51.5	54.4	52.9	52.2	50.7	47.8
105°	14.7	15.4	22.8	31.6	39.7	44.8	45.6	43.4	39.7	39.0	37.5
107.5°	14.0	14.7	20.6	28.7	35.3	39.7	39.0	36.0	31.6	30.1	29.4
110°	13.2	14.0	19.1	25.7	32.3	35.3	34.6	30.1	25.0	23.5	24.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	13.2	13.2	17.6	23.5	29.4	31.6	30.1	25.7	20.6	19.8	20.6
115°	12.5	13.2	16.9	22.1	26.5	28.7	26.5	22.1	17.6	16.9	17.6
117.5°	12.5	13.2	16.2	20.6	25.0	25.7	23.5	19.1	14.7	14.7	16.2
120°	12.5	13.2	15.4	19.1	22.8	23.5	21.3	16.9	13.2	13.2	14.7
122.5°	13.2	13.2	14.7	18.4	21.3	22.1	19.1	14.7	12.5	12.5	14.0
125°	13.2	13.2	14.7	16.9	19.8	19.8	17.6	13.2	11.0	11.0	13.2
127.5°	13.2	13.2	14.7	16.2	18.4	18.4	16.2	12.5	10.3	10.3	12.5
130°	13.2	14.0	14.0	15.4	16.9	16.9	14.7	11.0	10.3	10.3	11.8
132.5°	14.0	14.0	14.0	14.7	16.2	15.4	12.5	10.3	9.6	9.6	11.0
135°	13.2	13.2	13.2	14.0	14.7	14.0	11.0	8.8	8.8	9.6	10.3
137.5°	13.2	13.2	13.2	12.5	13.2	12.5	10.3	8.1	8.1	8.8	9.6
140°	11.8	12.5	11.8	11.8	11.8	11.0	8.8	6.6	7.4	8.1	8.1
142.5°	11.0	11.0	11.0	10.3	10.3	9.6	7.4	5.9	6.6	6.6	7.4
145°	10.3	10.3	9.6	8.8	8.8	7.4	5.9	5.1	5.9	5.9	6.6
147.5°	8.8	8.8	8.8	7.4	6.6	5.9	3.7	3.7	4.4	5.1	5.1
150°	7.4	7.4	7.4	6.6	5.1	4.4	2.9	3.7	3.7	3.7	4.4
152.5°	5.9	5.9	5.9	5.1	4.4	2.9	2.2	2.9	2.9	2.9	3.7
155°	3.7	3.7	3.7	3.7	2.9	1.5	2.2	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
160°	0.7	0.7	1.5	1.5	2.2	1.5	1.5	1.5	1.5	1.5	1.5
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°	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1
2.5°	171.3	169.1	165.4	161.7	158.1	154.4	151.4	150.7	148.5	148.5	147.8
5°	181.6	177.9	168.3	161.0	152.9	146.3	141.1	138.9	136.7	135.3	135.3
7.5°	200.0	191.9	177.9	165.4	154.4	144.8	138.2	134.5	131.6	130.1	130.1
10°	225.0	214.7	193.3	175.0	158.8	147.0	139.7	135.3	133.1	131.6	130.9
12.5°	261.7	247.0	216.1	189.7	169.1	154.4	144.8	141.9	142.6	142.6	142.6
15°	311.7	290.4	248.5	212.5	183.0	163.9	157.3	157.3	159.5	160.3	158.8
17.5°	376.4	347.7	288.9	235.2	200.7	180.8	173.5	173.5	177.2	179.4	179.4
20°	455.8	414.6	331.5	265.4	221.3	200.0	191.1	191.9	196.3	199.2	199.2
22.5°	546.9	498.4	385.9	296.3	244.1	216.9	207.3	208.0	215.4	219.1	220.5
25°	665.3	590.3	440.3	327.9	265.4	233.0	223.5	224.2	233.8	238.9	238.9
27.5°	790.3	692.5	495.5	358.7	283.8	247.7	238.2	240.4	250.7	255.1	256.6
30°	923.3	801.3	550.6	385.2	298.5	258.8	249.2	253.6	263.2	269.8	270.5
32.5°	1071.1	907.9	594.7	406.5	311.0	268.3	258.8	265.4	273.5	280.8	281.6
35°	1225.5	1013.7	633.7	421.2	319.0	276.4	266.1	272.7	280.8	287.4	286.7
37.5°	1363.7	1100.5	659.4	427.1	323.5	280.8	271.3	277.9	285.2	290.4	290.4
40°	1499.7	1190.9	671.9	422.7	323.5	283.0	273.5	280.8	287.4	290.4	290.4
42.5°	1629.1	1257.8	669.7	413.9	322.0	283.8	274.9	281.6	287.4	288.9	288.9
45°	1740.8	1319.6	656.5	399.2	316.8	283.0	275.7	281.6	286.0	286.0	286.7
47.5°	1873.1	1368.1	637.4	383.7	311.0	281.6	274.2	280.8	284.5	284.5	283.8
50°	1992.2	1415.1	611.6	366.8	305.8	280.1	273.5	280.1	284.5	283.0	283.0
52.5°	2118.7	1457.0	585.2	351.4	300.7	279.4	273.5	280.1	284.5	283.8	284.5
55°	2235.5	1498.9	552.1	337.4	297.7	278.6	274.2	280.8	286.7	286.7	286.0
57.5°	2385.5	1521.0	526.4	327.9	294.8	278.6	274.9	282.3	289.6	290.4	291.1
60°	2491.4	1549.7	505.0	322.0	294.8	280.1	277.1	284.5	294.1	297.7	299.9
62.5°	2568.6	1548.2	479.3	319.0	295.5	281.6	279.4	286.7	299.2	304.3	307.3
65°	2609.0	1521.7	452.8	316.8	296.3	283.0	280.8	288.2	302.9	312.4	315.4
67.5°	2556.1	1450.4	425.6	313.2	295.5	282.3	281.6	289.6	305.1	317.6	319.0
70°	2427.4	1329.9	393.3	305.1	292.6	280.1	279.4	286.0	302.9	317.6	319.0
72.5°	2183.3	1176.9	355.8	293.3	286.0	274.9	272.7	279.4	295.5	310.2	310.2
75°	1856.9	999.8	319.0	276.4	272.7	266.1	263.9	267.6	281.6	295.5	296.3
77.5°	1454.1	796.1	280.1	252.9	256.6	251.4	249.2	251.4	263.9	273.5	274.2
80°	1106.4	606.5	242.6	225.0	233.8	232.3	230.1	229.4	238.2	245.5	243.3
82.5°	763.1	431.5	200.7	195.5	205.1	207.3	206.6	201.4	208.0	213.9	210.2
85°	492.5	305.1	167.6	165.4	174.2	177.9	177.2	173.5	175.0	181.6	174.2
87.5°	318.3	219.1	138.2	136.7	144.1	148.5	148.5	141.1	144.1	150.7	142.6
90°	199.2	155.1	115.4	114.7	119.8	122.0	119.1	114.7	116.2	119.8	116.9
92.5°	141.1	116.9	96.3	96.3	97.8	99.2	97.8	92.6	95.6	95.6	95.6
95°	102.9	92.6	83.8	82.3	81.6	80.9	80.1	76.5	79.4	78.7	76.5
97.5°	78.7	74.2	71.3	70.6	69.1	68.4	67.6	64.7	66.9	65.4	64.0
100°	61.8	61.0	61.0	61.0	59.5	57.3	57.3	56.6	56.6	54.4	54.4
102.5°	49.3	49.3	52.2	52.9	51.5	50.0	50.0	49.3	48.5	45.6	44.8
105°	39.0	40.4	44.8	45.6	44.8	43.4	42.6	42.6	41.2	37.5	37.5
107.5°	31.6	33.1	38.2	39.7	39.0	38.2	37.5	36.8	35.3	31.6	31.6
110°	25.7	27.9	32.3	34.6	33.8	33.1	33.1	31.6	30.1	27.2	27.2



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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.1	24.3	27.9	30.1	30.1	29.4	28.7	27.9	25.7	23.5	23.5
115°	19.1	21.3	25.0	26.5	26.5	25.7	25.0	24.3	22.1	20.6	21.3
117.5°	17.6	19.1	22.1	23.5	23.5	22.8	22.1	21.3	19.8	19.1	19.1
120°	16.2	17.6	19.8	21.3	21.3	20.6	19.8	19.1	17.6	17.6	17.6
122.5°	14.7	16.2	18.4	19.1	19.1	18.4	17.6	16.9	15.4	16.2	16.2
125°	14.0	14.7	16.2	17.6	17.6	16.9	16.2	14.7	14.0	14.7	14.7
127.5°	13.2	14.0	15.4	16.2	16.2	15.4	14.0	13.2	12.5	13.2	13.2
130°	12.5	13.2	14.0	14.7	14.7	13.2	12.5	11.8	11.8	12.5	12.5
132.5°	11.8	12.5	12.5	13.2	13.2	12.5	11.0	10.3	10.3	11.0	11.0
135°	11.0	11.0	11.8	11.8	11.8	11.0	9.6	8.8	9.6	10.3	10.3
137.5°	9.6	10.3	10.3	11.0	10.3	9.6	8.1	8.1	8.8	8.8	8.8
140°	8.8	8.8	9.6	9.6	8.8	8.1	7.4	6.6	7.4	8.1	8.1
142.5°	8.1	8.1	8.1	8.1	8.1	6.6	5.9	5.9	6.6	6.6	6.6
145°	6.6	6.6	7.4	6.6	6.6	5.1	4.4	5.1	5.9	5.9	5.9
147.5°	5.1	5.9	5.9	5.9	5.1	3.7	2.9	4.4	5.1	5.1	5.1
150°	4.4	4.4	4.4	4.4	4.4	2.9	2.2	3.7	4.4	4.4	4.4
152.5°	3.7	3.7	4.4	4.4	3.7	2.2	1.5	2.9	3.7	3.7	2.9
155°	2.9	2.9	3.7	3.7	2.9	1.5	1.5	2.2	2.9	2.9	2.2
157.5°	2.2	2.9	2.9	2.9	2.2	1.5	0.7	1.5	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.9	2.2	1.5	0.7	1.5	2.2	1.5	1.5
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)