

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: P416901

Luminaire Tested: **LXF.LXT-PA1-80-827-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
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-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6115 lumens
Efficiency: N/A
Efficacy: 73.7 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 - U3 - G3

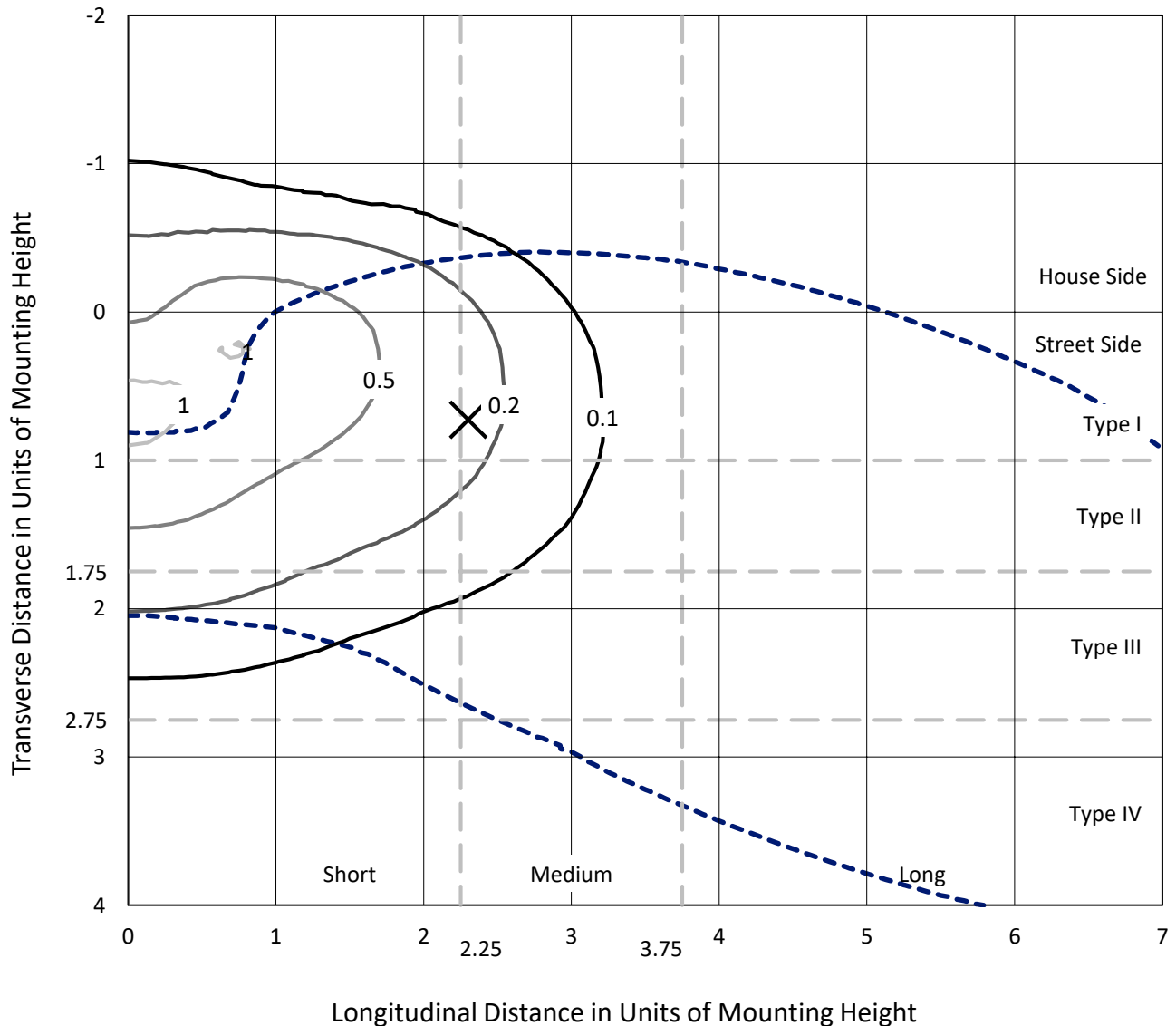
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

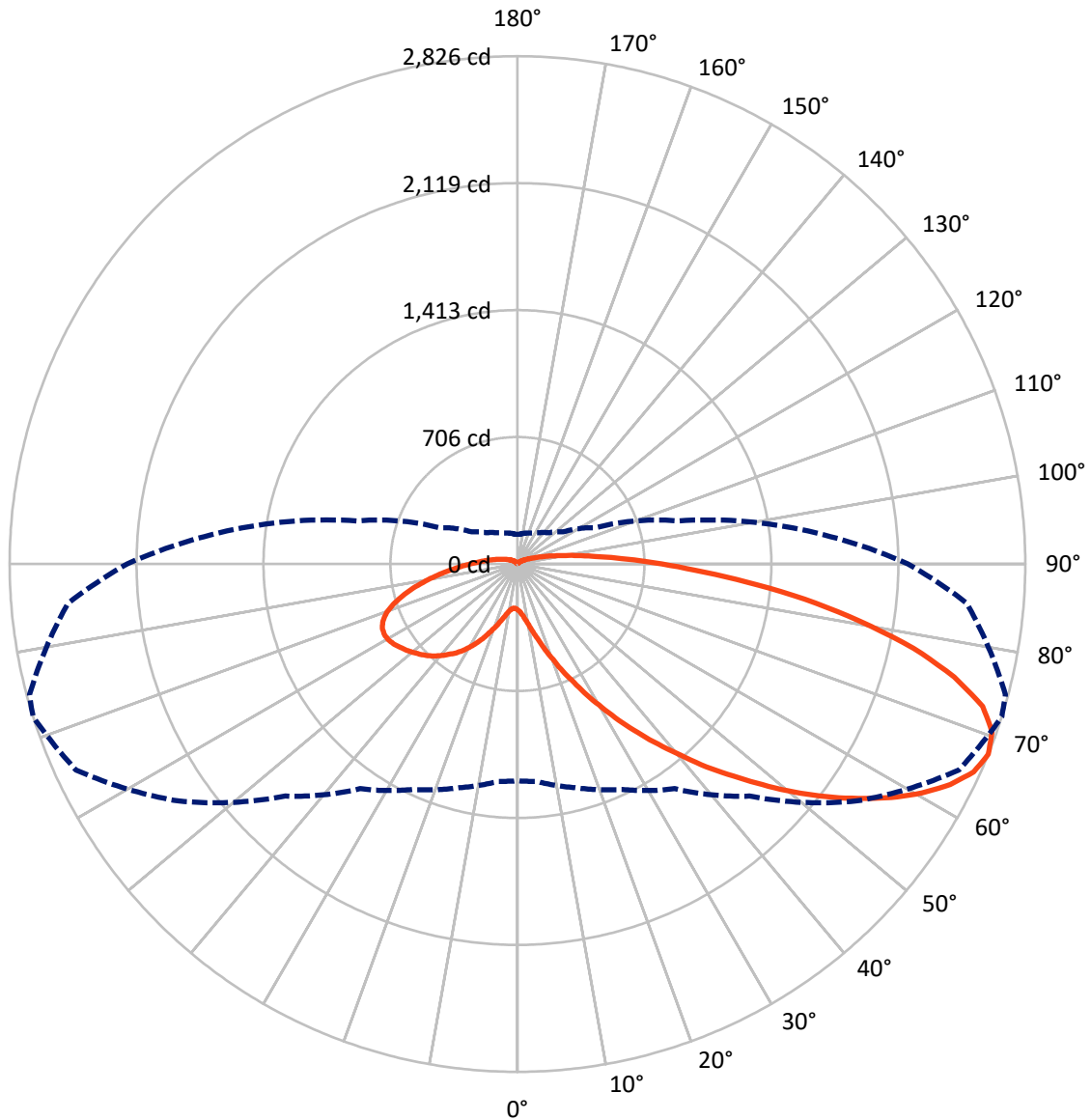
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1241.8	176.6	1418.4
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4354.2	342.4	4696.6
	% Fixture	71.2	5.6	76.8
Total	Lumens	5595.9	519.1	6115.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	0.4
10°-20°	104.3	1.7
20°-30°	251.9	4.1
30°-40°	480.2	7.9
40°-50°	772.9	12.6
50°-60°	1069.5	17.5
60°-70°	1228.8	20.1
70°-80°	1054.7	17.2
80°-90°	607.3	9.9
90°-100°	274.5	4.5
100°-110°	126.1	2.1
110°-120°	63.4	1.0
120°-130°	32.9	0.5
130°-140°	15.6	0.3
140°-150°	5.4	0.1
150°-160°	0.9	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5595.9	91.5
0°-180°	6115.0	100.0



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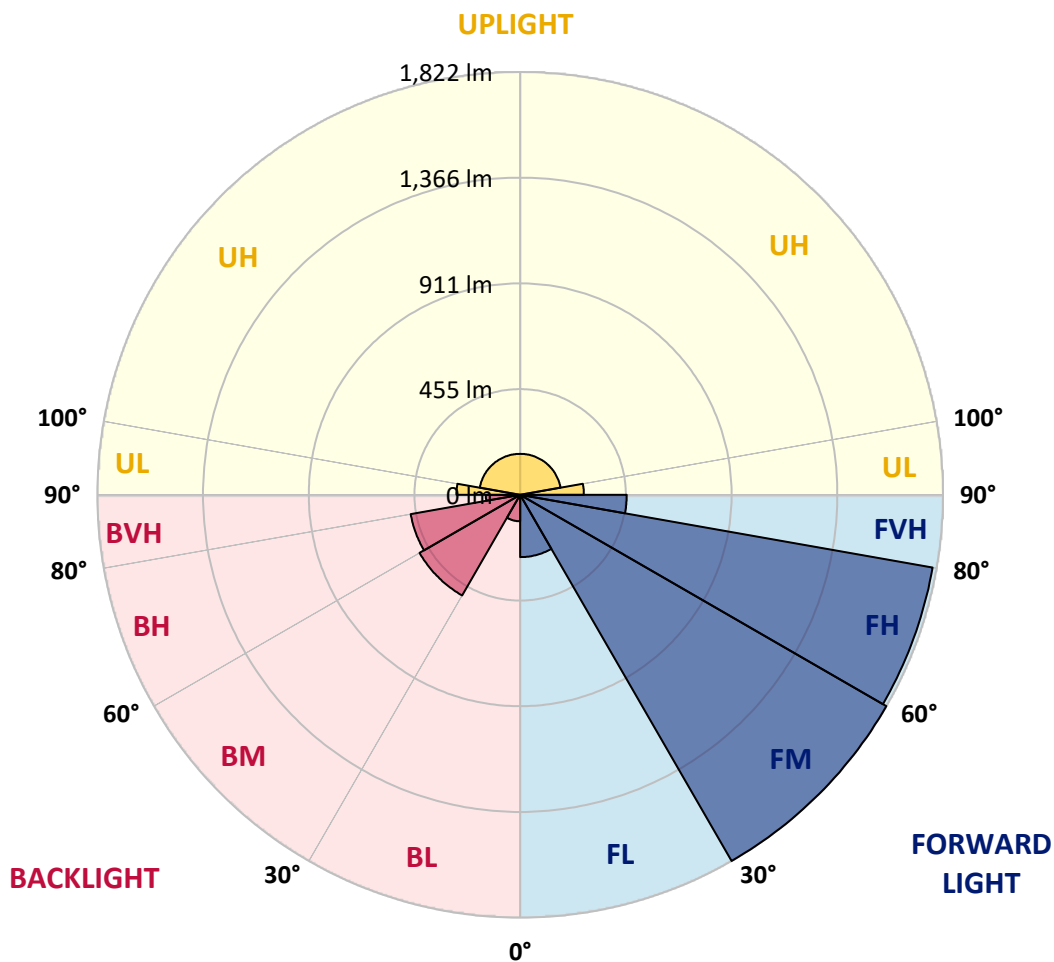
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.5	4.4			
FM	(30°-60°)	1821.9	29.8			
FH	(60°-80°)	1804.6	29.5			G2/5000
FVH	(80°-90°)	459.1	7.5			G3/500
BL	(0°-30°)	114.0	1.9	B1/500		
BM	(30°-60°)	500.7	8.2	B1/1000		
BH	(60°-80°)	478.8	7.8	B1/500		G1/500
BVH	(80°-90°)	148.2	2.4			G2/225
UL	(90°-100°)	274.5	4.5		U3/500	
UH	(100°-180°)	176.6	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1
2.5°	286.0	285.2	286.0	283.8	281.6	277.2	274.2	268.3	265.4	263.9	258.0
5°	326.4	325.7	324.9	322.0	314.6	309.5	300.7	290.4	283.8	280.8	271.3
7.5°	370.5	369.0	367.6	361.0	355.8	347.0	333.8	320.5	309.5	307.3	289.7
10°	420.5	419.0	416.1	411.0	401.4	388.9	377.1	358.0	344.1	337.4	318.3
12.5°	472.0	474.9	471.2	460.9	449.9	438.2	421.2	402.9	388.2	383.0	353.6
15°	534.5	536.7	533.0	521.2	509.5	491.8	478.6	459.5	439.6	436.7	404.3
17.5°	603.6	602.8	595.5	584.4	574.2	560.2	541.1	523.4	501.4	496.2	456.5
20°	678.5	675.6	669.0	650.6	641.1	624.9	613.1	588.9	567.5	560.2	520.5
22.5°	753.5	752.1	746.2	729.3	717.5	703.5	685.9	663.8	649.1	634.4	590.3
25°	847.6	838.8	831.5	801.3	790.3	777.1	761.6	743.2	729.3	721.2	670.5
27.5°	941.7	935.1	918.2	896.2	874.8	853.5	846.9	830.7	826.3	819.7	762.4
30°	1035.1	1032.2	1013.8	985.8	955.0	934.4	930.7	932.2	925.6	917.5	856.5
32.5°	1141.0	1134.3	1113.8	1076.3	1043.9	1019.7	1019.7	1030.0	1035.8	1027.7	963.1
35°	1244.6	1238.7	1213.0	1166.7	1130.7	1101.3	1113.0	1137.3	1151.3	1151.3	1071.1
37.5°	1354.2	1340.9	1314.5	1265.9	1217.4	1196.1	1209.3	1251.2	1271.8	1271.8	1191.0
40°	1449.7	1449.0	1413.0	1354.9	1307.1	1275.5	1315.9	1371.8	1399.0	1396.8	1311.5
42.5°	1545.3	1544.6	1510.0	1446.1	1385.8	1369.6	1420.3	1499.0	1543.1	1543.1	1433.6
45°	1631.3	1625.4	1596.0	1525.4	1469.6	1462.2	1537.2	1637.2	1682.8	1690.1	1565.9
47.5°	1694.5	1689.4	1663.7	1595.3	1542.4	1555.6	1646.0	1773.2	1834.9	1834.2	1701.2
50°	1737.2	1732.0	1710.0	1651.2	1605.6	1638.7	1764.4	1917.3	1994.5	2000.4	1834.9
52.5°	1749.7	1746.7	1735.0	1686.4	1657.0	1713.6	1875.4	2064.3	2151.8	2156.9	1981.2
55°	1728.4	1728.4	1727.6	1698.2	1686.4	1780.5	1990.1	2207.7	2302.5	2312.1	2125.3
57.5°	1678.4	1680.6	1693.8	1684.2	1701.9	1834.2	2087.1	2337.1	2451.7	2457.6	2254.0
60°	1602.6	1598.2	1627.6	1645.3	1693.1	1868.0	2173.1	2467.2	2587.0	2589.2	2367.2
62.5°	1488.0	1490.2	1532.8	1579.1	1661.5	1882.0	2248.8	2581.1	2702.4	2707.6	2455.4
65°	1352.7	1357.8	1415.9	1493.8	1607.1	1867.3	2292.2	2668.6	2789.9	2783.3	2506.1
67.5°	1206.4	1213.7	1289.5	1384.3	1526.2	1826.1	2299.6	2710.5	2825.9	2811.2	2510.6
70°	1046.1	1065.2	1141.0	1264.5	1421.8	1747.5	2256.9	2703.2	2801.7	2787.7	2445.1
72.5°	900.6	914.5	997.6	1126.3	1304.9	1633.5	2166.5	2618.6	2706.8	2678.9	2308.4
75°	755.7	777.1	855.7	993.2	1178.5	1492.4	2012.9	2455.4	2509.8	2479.7	2104.8
77.5°	632.2	651.3	729.3	861.6	1039.5	1344.6	1811.4	2207.7	2252.5	2221.6	1847.4
80°	515.3	536.7	612.4	742.5	909.4	1171.1	1580.6	1918.0	1934.9	1886.4	1563.7
82.5°	430.8	441.8	512.4	627.1	780.7	1010.1	1343.9	1609.3	1610.0	1551.9	1270.3
85°	352.1	358.8	423.4	527.1	658.7	853.5	1103.5	1296.1	1281.4	1249.8	979.2
87.5°	285.2	291.9	349.9	443.3	554.3	712.4	900.6	1020.4	985.8	960.8	760.2
90°	233.8	241.1	288.9	369.8	465.4	588.1	716.8	788.8	757.9	738.8	585.9
92.5°	191.1	198.5	240.4	309.5	394.0	481.5	569.7	603.6	582.2	560.2	441.8
95°	161.7	163.2	200.7	258.8	325.7	388.9	446.2	466.1	436.7	428.6	341.8
97.5°	133.1	137.5	166.9	218.3	272.0	324.2	353.6	363.9	337.4	319.8	261.7
100°	113.2	115.4	141.1	182.3	226.4	263.9	286.7	281.6	258.0	247.7	198.5
102.5°	97.0	99.2	119.8	158.1	192.6	219.8	230.8	222.8	200.7	194.1	155.9
105°	85.3	86.0	102.9	133.8	163.2	186.0	190.4	177.9	156.6	147.8	122.8
107.5°	75.7	76.5	89.7	116.2	141.1	156.6	158.1	144.1	123.5	116.9	98.5
110°	67.6	69.1	78.7	100.7	122.0	133.8	132.3	117.6	98.5	92.6	80.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	61.0	62.5	69.8	88.2	105.9	116.2	112.5	94.8	78.7	75.0	66.9
115°	55.9	57.3	63.2	77.9	93.4	100.7	94.8	78.7	64.7	60.3	55.9
117.5°	52.2	52.9	57.3	69.1	80.9	86.7	80.1	65.4	52.9	50.0	47.8
120°	48.5	49.3	52.9	61.0	71.3	74.3	67.6	53.7	44.1	42.6	41.9
122.5°	45.6	45.6	48.5	54.4	61.8	64.0	57.3	44.8	37.5	36.0	36.8
125°	42.6	42.6	44.1	48.5	53.7	55.1	47.8	37.5	31.6	30.9	32.3
127.5°	39.7	39.7	40.4	43.4	46.3	46.3	39.7	30.9	27.2	26.5	28.7
130°	36.8	36.8	36.8	38.2	39.7	39.0	32.3	25.7	23.5	23.5	25.0
132.5°	33.8	33.8	33.8	33.8	33.1	31.6	26.5	20.6	20.6	20.6	22.1
135°	30.1	30.1	30.1	29.4	27.9	25.7	20.6	16.9	16.9	17.6	19.1
137.5°	27.2	27.2	26.5	25.0	22.8	19.8	16.2	13.2	14.7	14.7	16.2
140°	23.5	23.5	22.8	20.6	17.6	14.7	11.8	11.0	11.8	12.5	14.0
142.5°	19.8	19.8	19.1	16.9	14.0	10.3	8.1	8.1	9.6	9.6	11.0
145°	16.2	16.2	15.4	13.2	9.6	6.6	5.1	5.9	7.4	7.4	8.1
147.5°	12.5	12.5	11.8	9.6	6.6	4.4	2.9	4.4	5.1	5.1	5.9
150°	8.8	8.8	8.1	6.6	4.4	2.2	1.5	2.2	2.9	3.7	3.7
152.5°	5.9	5.9	5.1	4.4	2.2	0.7	1.5	2.2	2.2	2.2	2.9
155°	3.7	2.9	2.9	2.2	0.7	0.0	0.7	1.5	1.5	1.5	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	1.5	1.5
160°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
165°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
167.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
170°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
172.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
175°	0.0	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.0	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1
2.5°	256.6	253.6	249.2	244.8	240.4	237.5	234.5	233.0	230.8	228.6	228.6
5°	265.4	259.5	249.2	238.9	229.4	221.3	213.2	208.8	205.8	202.9	203.6
7.5°	281.6	272.7	255.8	238.9	223.5	210.3	199.2	190.4	184.5	180.8	181.6
10°	304.4	294.8	269.1	244.8	222.8	203.6	188.2	175.7	168.4	164.7	164.7
12.5°	340.4	324.2	290.4	255.8	226.4	200.7	180.8	166.1	155.9	151.4	150.7
15°	383.8	361.0	319.8	277.2	235.2	200.7	175.0	164.7	158.1	155.1	154.4
17.5°	435.2	410.2	353.6	297.0	247.0	205.1	183.1	170.6	163.2	160.3	159.5
20°	491.1	461.7	390.4	322.0	258.8	218.3	191.1	175.7	167.6	164.7	164.7
22.5°	559.5	520.5	430.1	344.1	273.5	229.4	199.2	180.1	172.8	169.8	169.1
25°	630.0	585.9	477.1	367.6	289.7	238.2	205.1	184.5	177.2	174.2	175.0
27.5°	713.1	656.5	523.4	391.1	303.6	243.3	208.0	188.2	180.8	178.6	179.4
30°	799.8	728.5	564.6	415.4	313.2	247.0	210.3	191.1	183.1	181.6	181.6
32.5°	891.7	810.9	607.2	436.7	319.1	247.7	210.3	192.6	184.5	183.8	184.5
35°	985.8	890.3	648.4	453.6	322.0	247.0	209.5	194.1	184.5	184.5	184.5
37.5°	1090.2	968.2	683.0	465.4	322.7	244.8	208.8	193.3	184.5	184.5	185.3
40°	1197.6	1051.3	721.2	474.9	322.0	243.3	208.0	193.3	184.5	184.5	185.3
42.5°	1304.2	1128.5	757.2	480.8	320.5	241.9	207.3	193.3	184.5	183.1	183.8
45°	1419.6	1218.2	791.8	484.5	319.1	241.1	207.3	192.6	184.5	181.6	182.3
47.5°	1526.9	1301.2	819.7	488.9	318.3	241.1	208.0	192.6	183.8	180.8	180.8
50°	1648.2	1387.2	848.4	490.3	316.9	241.1	208.0	192.6	183.1	178.6	179.4
52.5°	1768.0	1474.0	876.3	493.3	316.9	241.9	208.8	192.6	182.3	176.4	176.4
55°	1882.7	1551.2	901.3	495.5	316.9	243.3	211.0	192.6	181.6	174.2	174.2
57.5°	1987.9	1630.6	926.3	496.2	316.9	244.8	211.0	193.3	180.8	172.0	172.0
60°	2081.2	1698.9	943.9	497.0	316.1	246.3	212.5	192.6	180.1	169.8	169.8
62.5°	2147.4	1751.1	952.8	494.8	316.1	246.3	213.2	192.6	179.4	169.1	168.4
65°	2184.9	1769.5	947.6	488.1	314.6	246.3	212.5	191.9	177.9	167.6	166.9
67.5°	2172.4	1749.7	925.6	477.9	311.0	245.5	212.5	190.4	177.9	166.9	165.4
70°	2104.8	1690.1	883.7	462.4	305.8	242.6	209.5	188.2	176.4	166.1	164.7
72.5°	1972.4	1570.3	822.6	438.2	297.0	238.2	205.8	184.5	173.5	163.9	161.7
75°	1788.6	1427.7	748.4	413.2	286.0	232.3	201.4	180.8	169.8	161.0	158.8
77.5°	1552.6	1237.3	666.1	380.8	272.0	224.2	195.6	175.0	164.7	156.6	153.6
80°	1307.8	1042.5	577.1	347.0	257.3	213.9	186.7	167.6	158.1	150.7	147.0
82.5°	1058.6	856.5	494.0	314.6	240.4	202.2	177.9	159.5	150.7	142.6	138.9
85°	835.1	677.1	413.9	280.8	222.8	190.4	167.6	150.0	141.9	133.1	129.4
87.5°	649.9	537.4	346.3	250.0	203.6	177.2	156.6	140.4	130.9	122.8	119.8
90°	506.5	423.4	289.7	220.5	186.7	163.9	144.8	130.1	120.6	112.5	108.8
92.5°	386.0	335.2	242.6	194.8	169.8	150.7	133.8	119.8	110.3	101.5	97.8
95°	302.1	266.1	205.1	171.3	152.9	136.7	122.8	109.5	99.2	89.7	87.5
97.5°	234.5	213.2	172.8	150.0	138.2	123.5	111.0	99.2	89.0	79.4	77.2
100°	185.3	169.8	146.3	133.1	122.8	111.0	100.0	89.7	78.7	68.4	67.6
102.5°	146.3	139.7	124.2	116.9	108.8	100.0	90.4	79.4	68.4	58.8	58.1
105°	119.8	113.9	106.6	102.2	97.0	89.0	80.1	70.6	59.5	50.7	50.7
107.5°	97.0	94.1	90.4	89.7	86.0	79.4	72.0	62.5	51.5	44.1	44.1
110°	79.4	78.7	78.7	78.7	76.5	71.3	64.0	54.4	43.4	38.2	38.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	66.9	66.9	67.6	69.1	67.6	62.5	55.9	47.0	37.5	33.1	33.1
115°	56.6	57.3	59.5	60.3	59.5	55.9	49.3	40.4	31.6	28.7	29.4
117.5°	49.3	49.3	52.2	53.7	52.9	49.3	42.6	34.6	27.2	25.7	25.7
120°	42.6	44.1	46.3	47.0	46.3	42.6	37.5	29.4	23.5	22.8	22.8
122.5°	37.5	38.2	40.4	41.9	40.4	37.5	31.6	25.0	19.8	19.8	20.6
125°	33.1	33.8	35.3	36.8	35.3	31.6	27.2	20.6	17.6	17.6	17.6
127.5°	29.4	30.1	31.6	31.6	30.1	27.2	22.8	17.6	14.7	15.4	15.4
130°	25.7	26.5	27.2	27.2	26.5	23.5	19.1	14.7	13.2	14.0	14.0
132.5°	22.8	23.5	23.5	23.5	22.1	19.8	16.2	12.5	11.8	12.5	12.5
135°	19.8	19.8	20.6	19.8	18.4	16.2	12.5	10.3	10.3	11.0	11.0
137.5°	16.9	17.6	17.6	16.2	14.7	12.5	10.3	8.8	8.8	9.6	9.6
140°	14.0	14.7	14.0	13.2	11.8	10.3	8.1	6.6	7.4	8.1	8.1
142.5°	11.8	11.8	11.8	10.3	8.8	7.4	5.9	5.9	6.6	6.6	7.4
145°	8.8	8.8	8.8	8.1	6.6	5.1	4.4	4.4	5.1	5.9	5.9
147.5°	6.6	6.6	6.6	5.9	4.4	3.7	2.9	3.7	4.4	5.1	4.4
150°	4.4	4.4	4.4	3.7	2.9	2.2	2.2	2.9	3.7	3.7	3.7
152.5°	2.9	2.9	2.9	2.9	2.2	0.7	1.5	2.2	2.9	2.9	2.9
155°	2.2	2.2	2.2	2.2	1.5	0.0	0.7	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0
165°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
167.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
170°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
172.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
175°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)