

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: P416700

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7694 lumens
Efficiency: N/A
Efficacy: 92.7 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: B2 - U3 - G3

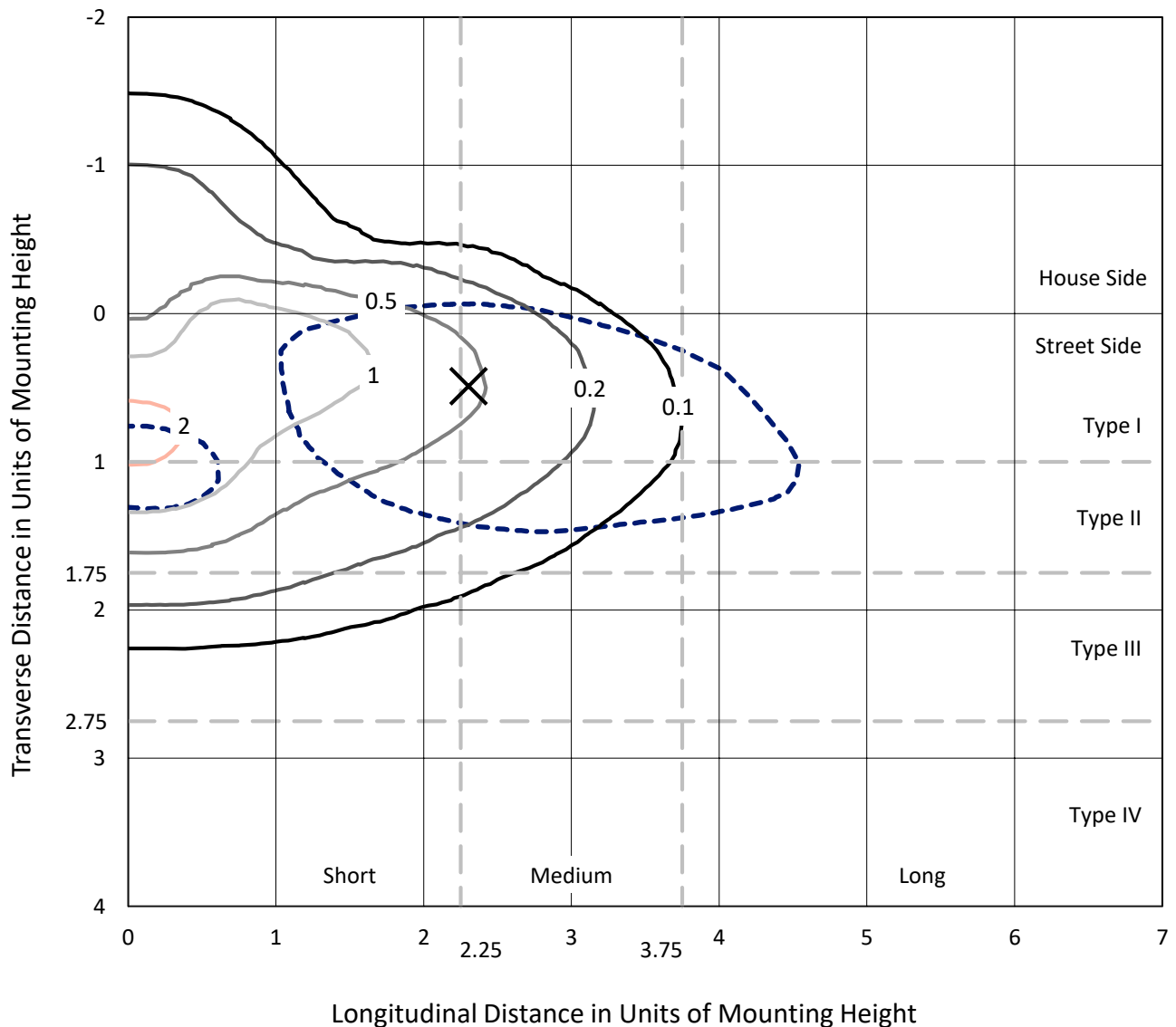
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

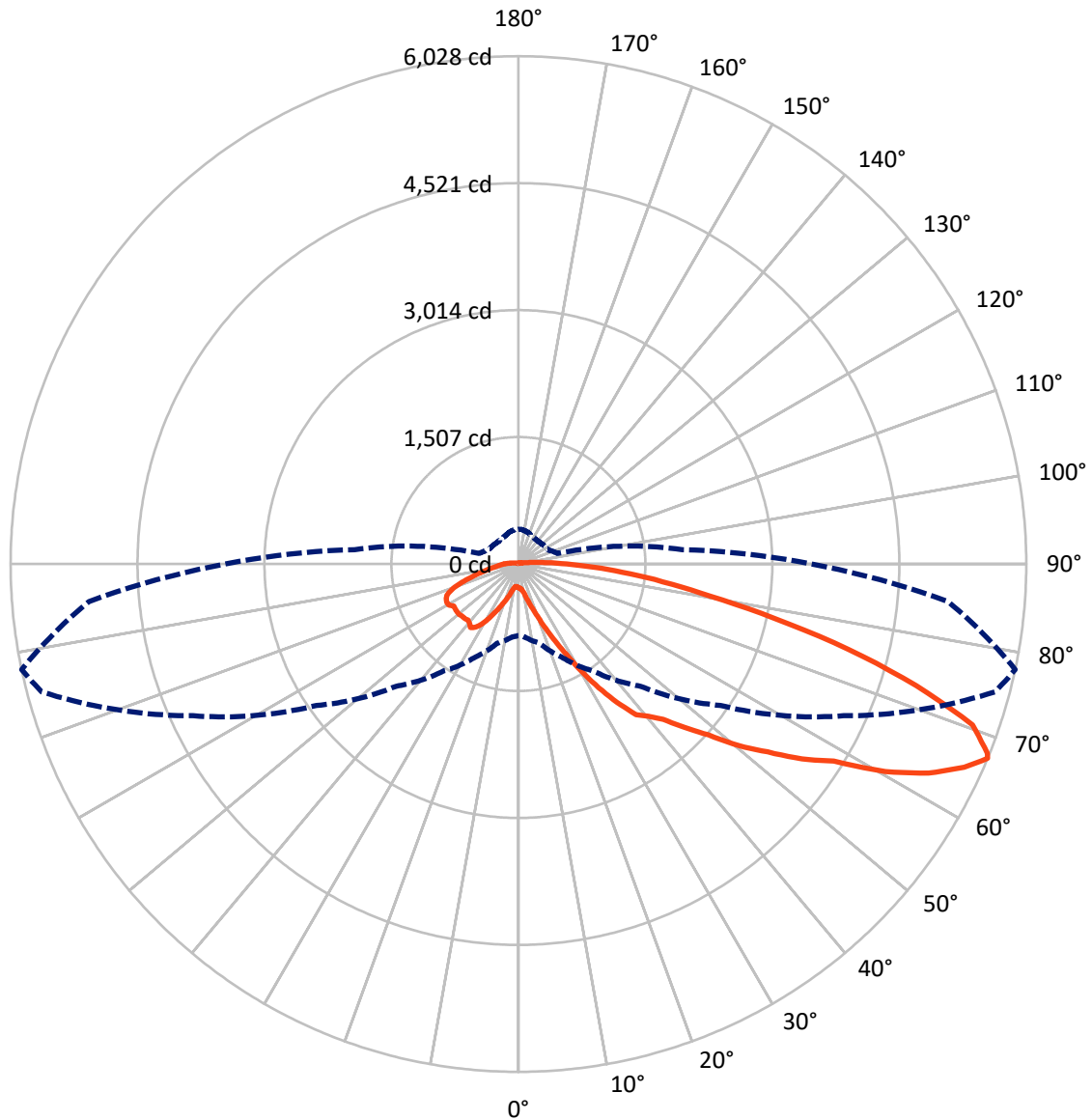
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1423.4	116.4	1539.8
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	6030.2	124.0	6154.2
	% Fixture	78.4	1.6	80.0
Total	Lumens	7453.6	240.4	7694.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	0.4
10°-20°	119.7	1.6
20°-30°	359.0	4.7
30°-40°	821.8	10.7
40°-50°	1312.5	17.1
50°-60°	1617.6	21.0
60°-70°	1686.0	21.9
70°-80°	1093.2	14.2
80°-90°	415.6	5.4
90°-100°	128.4	1.7
100°-110°	49.3	0.6
110°-120°	26.6	0.3
120°-130°	17.6	0.2
130°-140°	11.6	0.2
140°-150°	5.2	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7453.6	96.9
0°-180°	7694.0	100.0



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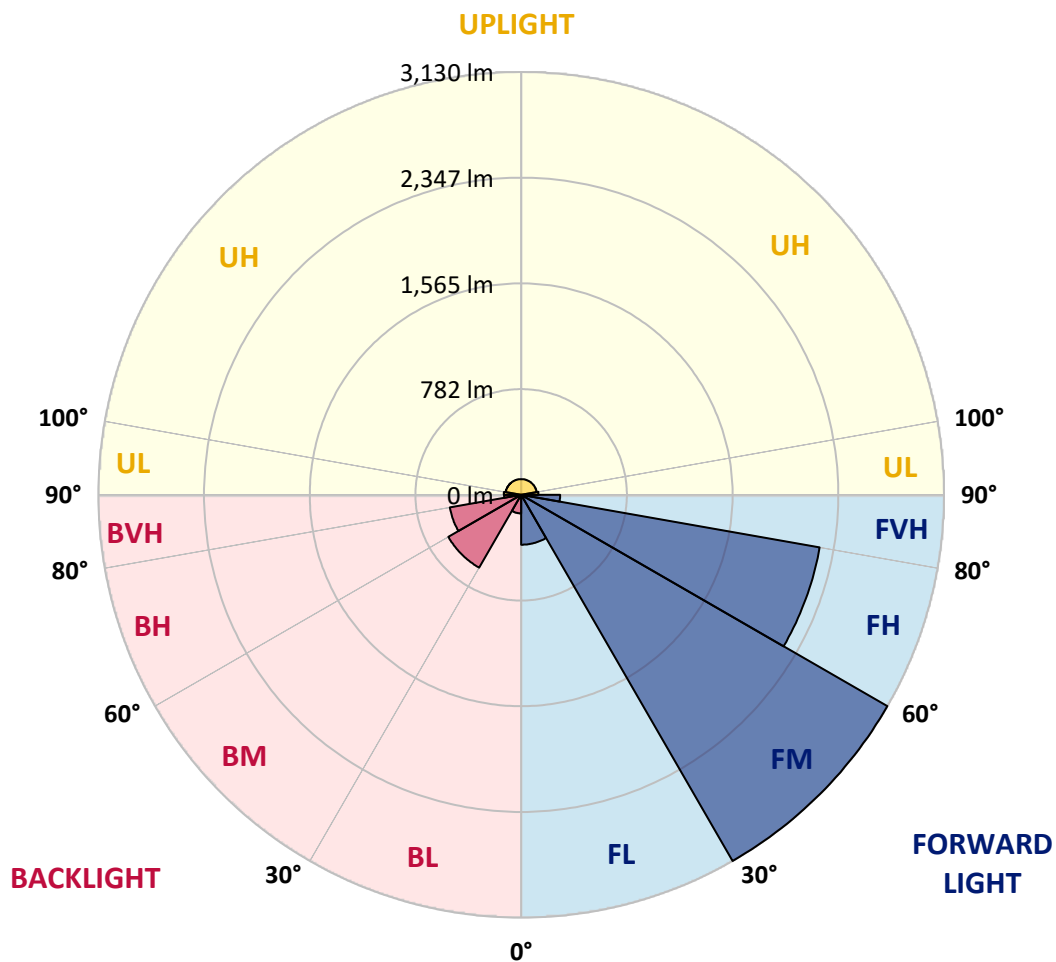
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.4	4.8			
FM (30°-60°)	3129.5	40.7			
FH (60°-80°)	2242.9	29.2			G2/5000
FVH (80°-90°)	288.3	3.7			G3/500
BL (0°-30°)	137.5	1.8	B1/500		
BM (30°-60°)	622.3	8.1	B1/1000		
BH (60°-80°)	536.3	7.0	B2/1000		G2/1000
BVH (80°-90°)	127.3	1.7			G2/225
UL (90°-100°)	128.4	1.7		U3/500	
UH (100°-180°)	116.4	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5
2.5°	316.9	316.0	315.1	313.3	309.6	306.0	300.5	293.2	287.8	286.9	281.4
5°	357.0	354.3	354.3	349.7	342.4	335.1	324.2	311.5	301.4	296.0	287.8
7.5°	406.2	400.7	402.5	395.2	385.2	372.5	355.2	337.9	318.7	313.3	301.4
10°	465.4	461.7	458.1	449.0	437.1	417.1	400.7	375.2	349.7	342.4	324.2
12.5°	537.3	538.2	527.3	517.3	497.2	477.2	457.2	432.6	404.4	396.2	372.5
15°	638.4	637.5	625.6	602.9	578.3	556.4	540.0	513.6	486.3	477.2	441.7
17.5°	756.8	754.1	745.0	704.9	680.3	663.0	639.3	622.9	583.8	573.7	530.0
20°	929.8	913.4	892.5	838.8	802.3	780.5	761.3	740.4	698.5	681.2	629.3
22.5°	1122.0	1130.2	1091.9	1009.1	948.0	908.0	887.9	877.0	845.1	833.3	755.0
25°	1360.6	1360.6	1300.5	1209.4	1130.2	1055.5	1050.9	1063.7	1020.9	1012.7	929.8
27.5°	1611.9	1622.0	1542.7	1445.3	1325.1	1237.6	1233.1	1244.0	1240.4	1216.7	1098.3
30°	1898.8	1889.7	1800.5	1682.1	1522.7	1419.8	1407.0	1486.3	1492.6	1476.2	1346.9
32.5°	2233.0	2225.7	2113.7	1930.7	1734.0	1615.6	1623.8	1735.8	1779.5	1751.3	1600.1
35°	2639.2	2648.3	2472.5	2214.8	1955.3	1818.7	1827.8	1968.0	2050.0	2015.4	1845.1
37.5°	3056.3	3059.0	2897.8	2549.0	2193.0	1999.0	2020.8	2192.1	2297.7	2269.5	2035.4
40°	3320.4	3347.7	3192.9	2861.4	2443.4	2179.3	2197.5	2366.9	2428.8	2376.0	2101.0
42.5°	3551.7	3572.7	3415.1	3059.0	2633.7	2340.5	2334.1	2462.5	2551.8	2519.0	2235.8
45°	3665.6	3706.5	3564.5	3196.6	2767.6	2466.2	2417.0	2609.2	2807.7	2766.7	2454.3
47.5°	3582.7	3632.8	3572.7	3268.5	2827.7	2545.4	2556.3	2820.4	3077.2	3031.7	2692.9
50°	3312.2	3372.3	3392.4	3214.8	2843.2	2584.6	2701.1	3056.3	3400.5	3391.4	2986.2
52.5°	2986.2	3018.1	3105.5	3052.7	2785.8	2630.1	2857.8	3284.9	3733.9	3705.6	3229.3
55°	2684.7	2726.6	2798.6	2767.6	2643.8	2635.6	2981.6	3539.9	4088.1	4084.5	3535.3
57.5°	2269.5	2327.7	2478.9	2496.2	2459.8	2601.9	3071.8	3740.2	4401.4	4414.2	3842.2
60°	1742.2	1791.3	2020.8	2203.9	2235.8	2522.6	3117.3	3960.6	4936.9	5003.4	4378.6
62.5°	1412.5	1421.6	1595.5	1824.1	2040.9	2377.8	3124.6	4239.3	5405.0	5465.1	4700.1
65°	1057.3	1055.5	1215.8	1476.2	1777.7	2208.4	3101.8	4326.7	5659.1	5813.0	5007.0
67°	849.7	869.7	972.6	1220.3	1550.0	2050.0	2925.2	4262.1	5858.5	6027.9	5119.0
67.5°	816.9	826.9	920.7	1154.8	1498.1	2002.6	2873.3	4245.7	5857.6	6001.5	5085.3
70°	652.1	665.7	734.0	888.8	1198.5	1692.1	2508.1	3865.0	5510.6	5720.1	4776.6
72.5°	503.6	514.5	562.8	680.3	912.5	1362.4	2074.6	3325.9	4772.1	4937.8	4049.9
75°	383.4	387.0	432.6	512.7	696.7	1039.1	1601.9	2619.2	3924.2	4049.9	3291.3
77.5°	296.9	305.1	339.7	393.4	517.3	782.3	1205.8	2040.0	3121.9	3102.7	2502.6
80°	231.3	238.6	264.1	301.4	388.0	574.7	882.5	1508.1	2280.4	2303.2	1832.3
82.5°	185.8	191.2	208.5	235.9	298.7	437.1	644.8	1127.4	1734.0	1725.8	1343.3
85°	148.4	152.1	164.8	188.5	230.4	331.5	476.3	837.8	1224.0	1234.0	917.1
87.5°	115.7	120.2	134.8	149.4	182.1	252.3	351.5	581.0	814.2	822.4	630.2
90°	90.2	92.9	105.6	121.1	147.5	191.2	254.1	398.0	524.6	514.5	405.3
92.5°	66.5	69.2	81.1	95.6	114.7	147.5	183.1	255.0	306.9	313.3	253.2
95°	47.4	50.1	60.1	71.0	87.4	112.0	130.2	162.1	188.5	183.1	162.1
97.5°	36.4	37.3	44.6	52.8	66.5	86.5	96.5	112.0	123.9	121.1	112.9
100°	29.1	30.1	35.5	40.1	51.9	68.3	77.4	85.6	92.9	90.2	86.5
102.5°	24.6	25.5	29.1	32.8	42.8	57.4	62.8	68.3	71.0	71.0	69.2
105°	20.9	21.9	24.6	28.2	36.4	47.4	51.0	53.7	56.5	55.6	55.6
107.5°	19.1	19.1	21.9	24.6	31.9	40.1	41.9	42.8	43.7	43.7	45.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	17.3	18.2	20.0	21.9	28.2	35.5	35.5	34.6	34.6	34.6	37.3
112.5°	16.4	17.3	18.2	20.9	26.4	31.0	30.1	28.2	28.2	29.1	31.9
115°	16.4	16.4	17.3	20.0	24.6	28.2	26.4	23.7	23.7	24.6	27.3
117.5°	16.4	16.4	18.2	20.0	23.7	25.5	23.7	20.9	20.0	20.9	23.7
120°	17.3	17.3	18.2	20.0	21.9	23.7	21.9	19.1	18.2	19.1	21.9
122.5°	18.2	18.2	18.2	20.0	20.9	21.9	20.0	17.3	16.4	17.3	20.0
125°	19.1	19.1	19.1	20.0	20.9	20.0	18.2	16.4	16.4	16.4	19.1
127.5°	20.9	20.9	20.9	20.9	20.0	19.1	17.3	15.5	16.4	16.4	18.2
130°	22.8	22.8	21.9	20.9	20.0	18.2	16.4	14.6	15.5	16.4	18.2
132.5°	23.7	22.8	21.9	20.0	19.1	16.4	14.6	13.7	14.6	15.5	17.3
135°	21.9	21.9	20.0	18.2	17.3	14.6	12.7	12.7	13.7	14.6	15.5
137.5°	19.1	19.1	18.2	16.4	15.5	13.7	11.8	10.9	12.7	13.7	14.6
140°	16.4	16.4	15.5	13.7	12.7	11.8	10.0	9.1	10.9	11.8	12.7
142.5°	13.7	13.7	12.7	10.9	10.9	10.0	8.2	8.2	10.0	10.0	10.9
145°	10.9	10.9	10.9	9.1	9.1	8.2	6.4	7.3	8.2	9.1	9.1
147.5°	9.1	9.1	9.1	7.3	7.3	6.4	4.6	5.5	6.4	7.3	7.3
150°	7.3	7.3	7.3	6.4	5.5	4.6	3.6	4.6	4.6	5.5	5.5
152.5°	5.5	5.5	5.5	4.6	4.6	2.7	2.7	3.6	3.6	4.6	4.6
155°	3.6	3.6	4.6	3.6	2.7	1.8	2.7	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5
2.5°	278.7	276.9	272.3	267.7	263.2	259.5	255.0	254.1	254.1	252.3	252.3
5°	282.3	276.9	265.9	256.8	246.8	238.6	232.2	229.5	226.8	224.9	223.1
7.5°	290.5	281.4	263.2	248.6	234.0	221.3	212.2	207.6	204.9	202.2	203.1
10°	309.6	296.0	269.6	245.9	224.0	206.7	195.8	190.3	188.5	185.8	185.8
12.5°	350.6	332.4	294.2	254.1	220.4	196.7	184.0	182.1	184.0	186.7	186.7
15°	415.3	388.0	332.4	276.9	228.6	194.9	187.6	193.1	199.4	203.1	203.1
17.5°	494.5	457.2	377.9	303.3	240.4	211.3	202.2	209.5	217.7	223.1	223.1
20°	581.9	531.8	424.4	326.0	257.7	234.0	224.0	230.4	241.3	249.5	248.6
22.5°	695.8	622.9	478.1	346.1	278.7	255.0	248.6	256.8	273.2	284.1	285.0
25°	836.9	736.8	541.0	372.5	297.8	273.2	275.0	289.6	311.5	323.3	323.3
27.5°	987.2	860.6	594.7	398.9	317.8	292.3	301.4	321.5	345.2	358.8	360.6
30°	1185.7	1020.0	662.1	425.3	335.1	311.5	322.4	346.1	363.4	371.6	372.5
32.5°	1387.9	1171.2	715.8	452.6	351.5	325.1	335.1	357.9	373.4	382.5	381.6
35°	1571.0	1293.2	747.7	465.4	366.1	335.1	339.7	364.3	373.4	378.9	377.9
37.5°	1711.2	1380.6	759.5	468.1	371.6	339.7	341.5	362.5	375.2	385.2	383.4
40°	1734.9	1368.8	714.9	451.7	370.7	339.7	343.3	367.0	380.7	385.2	384.3
42.5°	1822.3	1401.6	676.6	422.6	359.7	338.8	347.0	368.8	375.2	372.5	369.7
45°	1974.4	1470.8	665.7	408.0	346.1	336.0	348.8	364.3	363.4	357.9	356.1
47.5°	2124.7	1537.3	642.0	401.6	342.4	335.1	347.9	358.8	361.5	356.1	354.3
50°	2315.9	1625.6	622.9	392.5	343.3	335.1	346.1	358.8	360.6	351.5	350.6
52.5°	2487.1	1686.6	594.7	384.3	344.2	337.9	346.1	358.8	359.7	350.6	348.8
55°	2665.6	1751.3	565.5	376.1	347.0	340.6	348.8	359.7	360.6	354.3	352.4
57.5°	2844.1	1807.7	532.8	369.7	349.7	346.1	350.6	360.6	367.9	366.1	366.1
60°	3208.4	1969.8	527.3	370.7	352.4	350.6	352.4	365.2	378.9	374.3	375.2
62.5°	3352.3	2004.4	517.3	382.5	360.6	354.3	355.2	368.8	383.4	389.8	388.9
65°	3483.4	2007.2	497.2	390.7	370.7	357.0	357.0	369.7	394.3	408.9	408.9
67°	3476.1	1952.5	482.7	391.6	375.2	359.7	356.1	369.7	395.2	411.6	412.5
67.5°	3434.2	1917.0	477.2	391.6	376.1	359.7	355.2	368.8	395.2	412.5	412.5
70°	3182.0	1730.3	441.7	381.6	373.4	355.2	349.7	359.7	389.8	413.5	413.5
72.5°	2635.6	1424.3	391.6	357.0	356.1	343.3	335.1	346.1	375.2	399.8	398.9
75°	2130.1	1138.4	341.5	320.6	329.7	320.6	314.2	322.4	350.6	375.2	373.4
77.5°	1591.9	855.1	295.1	286.0	298.7	292.3	286.9	295.1	322.4	346.1	342.4
80°	1176.6	659.3	256.8	253.2	262.3	260.5	258.6	262.3	286.0	301.4	298.7
82.5°	866.1	501.8	221.3	218.6	229.5	229.5	229.5	232.2	249.5	255.0	252.3
85°	615.6	377.9	194.9	187.6	196.7	201.3	204.0	204.9	214.0	214.9	208.5
87.5°	433.5	297.8	174.9	159.4	163.9	173.9	178.5	177.6	181.2	178.5	172.1
90°	302.4	234.0	158.5	135.7	135.7	145.7	153.0	152.1	153.0	145.7	139.3
92.5°	213.1	176.7	133.9	112.0	110.2	120.2	126.6	125.7	125.7	118.4	112.0
95°	143.0	130.2	106.6	90.2	87.4	95.6	102.0	100.2	100.2	92.9	90.2
97.5°	105.6	99.3	87.4	76.5	71.0	75.6	80.1	80.1	81.1	76.5	73.8
100°	82.9	80.1	74.7	65.6	60.1	61.0	63.7	63.7	67.4	63.7	61.9
102.5°	69.2	67.4	62.8	56.5	51.9	51.0	52.8	53.7	58.3	55.6	54.6
105°	57.4	56.5	53.7	48.3	44.6	44.6	44.6	45.5	50.1	48.3	48.3
107.5°	46.4	46.4	46.4	41.9	39.2	39.2	38.2	39.2	42.8	42.8	42.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	39.2	39.2	40.1	36.4	34.6	34.6	33.7	34.6	38.2	39.2	39.2
112.5°	33.7	33.7	34.6	32.8	31.0	31.0	30.1	30.1	33.7	36.4	36.4
115°	29.1	30.1	30.1	29.1	28.2	27.3	26.4	27.3	31.0	33.7	33.7
117.5°	25.5	26.4	27.3	26.4	25.5	24.6	23.7	24.6	28.2	31.9	31.9
120°	22.8	23.7	24.6	24.6	23.7	22.8	20.9	22.8	25.5	29.1	30.1
122.5°	20.9	21.9	21.9	21.9	21.9	20.0	19.1	20.0	22.8	26.4	27.3
125°	20.0	20.0	20.9	20.9	20.0	18.2	17.3	18.2	20.0	22.8	23.7
127.5°	19.1	19.1	20.0	20.0	18.2	16.4	15.5	16.4	18.2	20.0	20.0
130°	19.1	19.1	19.1	18.2	17.3	15.5	13.7	14.6	16.4	18.2	18.2
132.5°	18.2	17.3	17.3	17.3	15.5	13.7	12.7	12.7	14.6	16.4	16.4
135°	16.4	16.4	15.5	15.5	14.6	11.8	10.9	10.9	12.7	14.6	14.6
137.5°	14.6	14.6	13.7	13.7	12.7	10.9	9.1	10.0	11.8	11.8	12.7
140°	12.7	12.7	11.8	11.8	10.9	9.1	7.3	8.2	10.0	10.0	10.9
142.5°	10.9	10.9	10.9	10.0	9.1	7.3	6.4	7.3	9.1	9.1	9.1
145°	9.1	9.1	9.1	8.2	7.3	5.5	4.6	6.4	8.2	7.3	7.3
147.5°	7.3	7.3	7.3	7.3	5.5	4.6	3.6	5.5	6.4	6.4	6.4
150°	5.5	5.5	5.5	5.5	4.6	2.7	2.7	4.6	5.5	5.5	5.5
152.5°	4.6	4.6	4.6	5.5	4.6	1.8	1.8	3.6	4.6	4.6	4.6
155°	3.6	3.6	4.6	4.6	3.6	1.8	0.9	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	3.6	3.6	2.7	1.8	0.9	1.8	3.6	2.7	2.7
160°	1.8	2.7	2.7	2.7	2.7	1.8	0.0	1.8	2.7	1.8	1.8
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)