

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: P416650

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6893 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

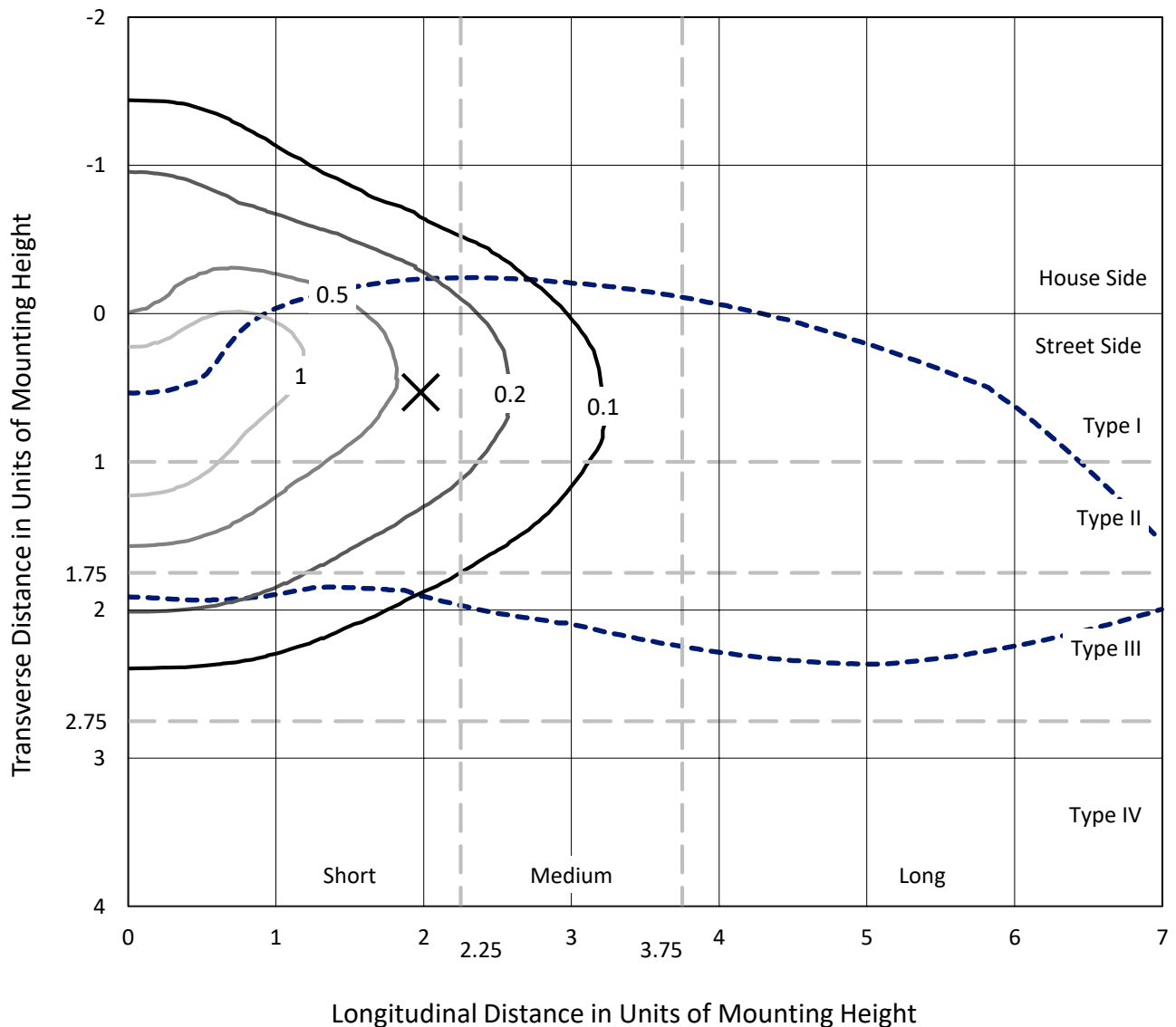
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

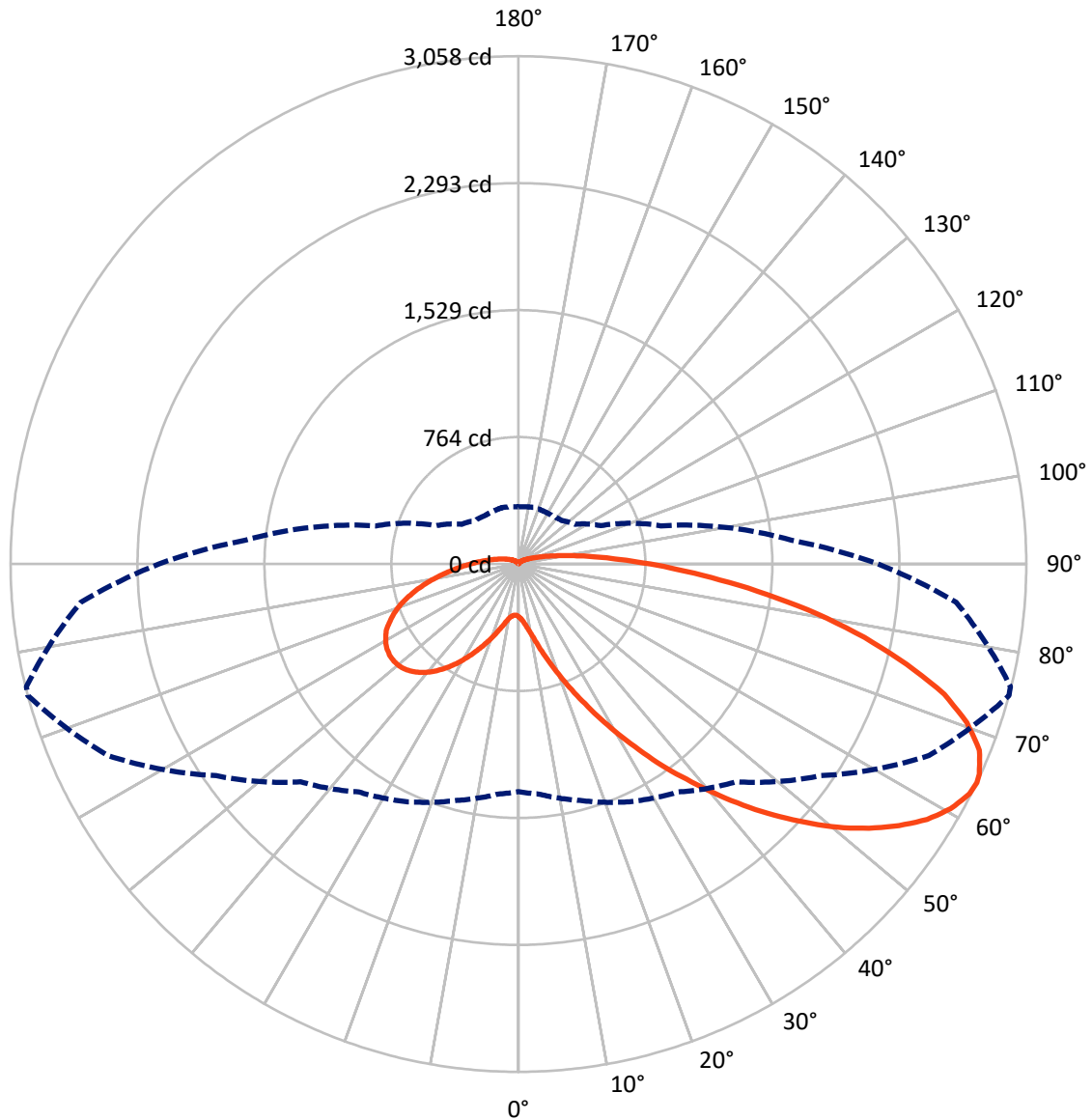


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1520.3	200.2	1720.5
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4867.8	304.6	5172.5
	% Fixture	70.6	4.4	75.0
Total	Lumens	6388.2	504.8	6893.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	0.5
10°-20°	139.1	2.0
20°-30°	352.0	5.1
30°-40°	689.3	10.0
40°-50°	1072.4	15.6
50°-60°	1315.1	19.1
60°-70°	1278.4	18.5
70°-80°	964.1	14.0
80°-90°	544.4	7.9
90°-100°	256.8	3.7
100°-110°	124.0	1.8
110°-120°	65.1	0.9
120°-130°	35.0	0.5
130°-140°	17.1	0.2
140°-150°	5.9	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6388.2	92.7
0°-180°	6893.0	100.0



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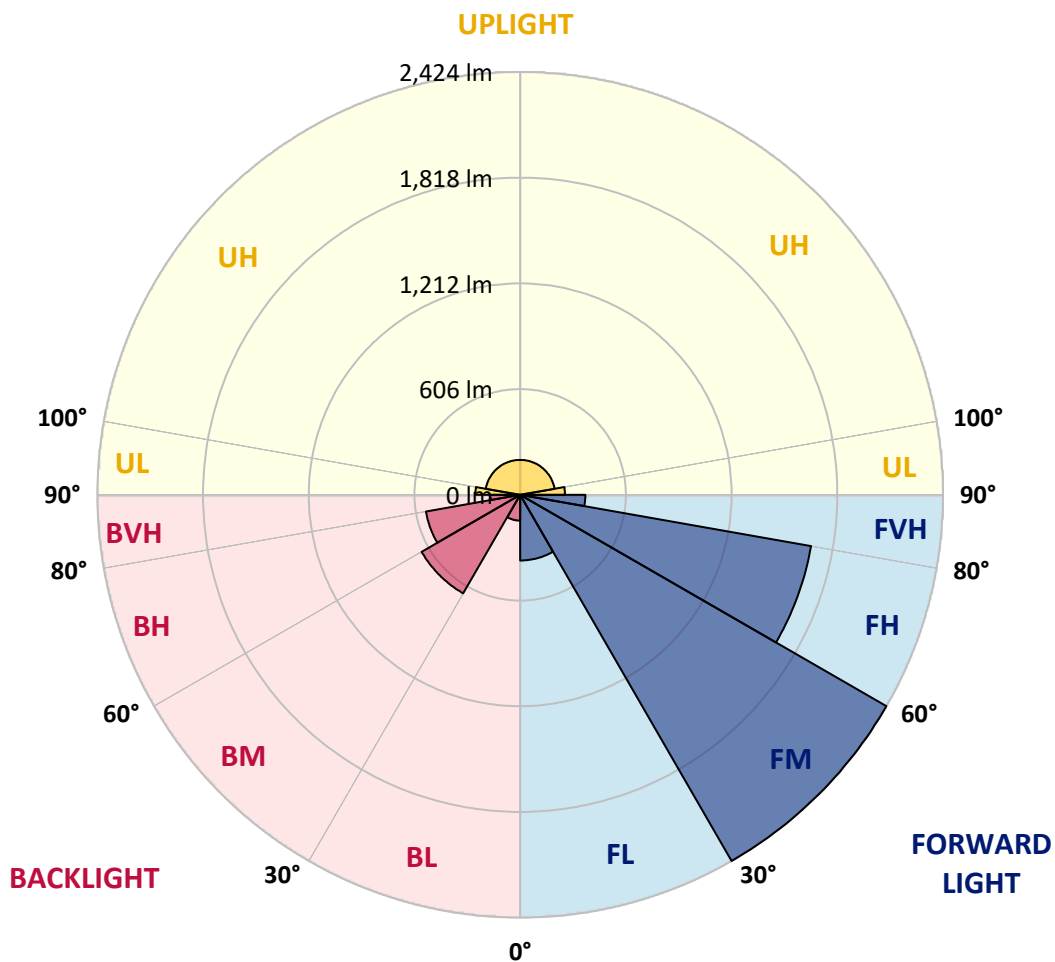
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	376.6	5.5			
FM	(30°-60°)	2424.3	35.2			
FH	(60°-80°)	1693.6	24.6			G1/1800
FVH	(80°-90°)	373.4	5.4			G3/500
BL	(0°-30°)	147.9	2.1	B1/500		
BM	(30°-60°)	652.5	9.5	B1/1000		
BH	(60°-80°)	548.9	8.0	B2/1000		G2/1000
BVH	(80°-90°)	171.0	2.5			G2/225
UL	(90°-100°)	256.8	3.7		U3/500	
UH	(100°-180°)	200.2	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8
2.5°	370.5	367.2	365.5	364.6	358.8	352.9	346.2	339.6	332.0	330.4	323.7
5°	428.2	424.0	422.4	417.3	409.0	398.9	384.7	371.3	354.6	355.4	340.4
7.5°	494.3	490.9	485.9	478.4	465.8	452.5	431.6	411.5	388.9	386.4	364.6
10°	569.5	567.0	562.0	550.3	534.4	511.8	490.9	460.8	429.0	427.4	395.6
12.5°	659.9	656.5	642.3	630.6	609.7	588.8	557.0	521.0	486.8	482.6	443.3
15°	761.9	756.9	746.9	728.5	705.9	671.6	638.1	602.2	557.0	549.5	503.5
17.5°	866.5	866.5	853.9	832.2	801.2	771.1	734.3	689.1	632.3	631.4	570.4
20°	997.8	996.1	976.8	945.1	914.1	882.3	838.0	787.0	723.4	717.6	643.1
22.5°	1139.9	1138.3	1114.8	1080.6	1040.4	995.2	945.9	892.4	823.0	815.4	728.5
25°	1293.8	1293.0	1268.7	1216.0	1165.0	1122.4	1071.4	1012.0	931.7	930.0	825.5
27.5°	1481.2	1472.0	1434.3	1369.9	1305.5	1250.3	1191.0	1137.4	1057.1	1044.6	928.3
30°	1661.8	1656.8	1605.8	1536.4	1447.7	1374.9	1314.7	1273.7	1191.0	1179.2	1048.8
32.5°	1848.3	1845.0	1783.1	1702.8	1593.2	1502.9	1456.1	1411.7	1332.3	1327.3	1167.5
35°	2054.9	2041.5	1970.4	1860.0	1732.9	1631.7	1589.9	1569.8	1491.2	1472.8	1298.0
37.5°	2223.8	2213.8	2149.4	2014.7	1865.0	1756.3	1724.5	1711.2	1643.4	1635.9	1439.3
40°	2386.9	2379.4	2300.8	2155.3	1984.6	1875.9	1844.1	1866.7	1812.4	1800.6	1581.5
42.5°	2504.8	2494.8	2422.0	2267.3	2088.3	1973.8	1972.9	2024.8	1985.5	1972.9	1728.7
45°	2575.1	2565.1	2504.8	2356.0	2169.5	2059.1	2078.3	2169.5	2157.8	2142.7	1863.4
47.5°	2581.8	2575.9	2532.4	2394.4	2218.8	2126.0	2181.2	2311.7	2324.2	2310.0	2007.2
50°	2520.7	2526.6	2499.0	2389.4	2236.4	2169.5	2264.8	2446.3	2492.3	2475.6	2150.2
52.5°	2405.3	2398.6	2410.3	2332.6	2218.0	2184.5	2321.7	2559.2	2643.7	2627.0	2282.4
55°	2213.0	2218.0	2259.0	2229.7	2160.3	2167.0	2356.0	2648.7	2780.8	2767.5	2402.0
57.5°	2010.6	1998.9	2072.5	2077.5	2058.2	2120.1	2360.2	2716.4	2902.1	2887.9	2504.8
60°	1745.4	1773.9	1840.0	1896.8	1930.3	2042.3	2332.6	2751.6	2990.8	2986.6	2587.6
62.5°	1516.3	1522.1	1611.6	1697.8	1778.1	1932.8	2271.5	2750.7	3048.5	3043.4	2637.0
64°	1370.8	1390.0	1474.5	1579.0	1675.2	1854.2	2221.3	2727.3	3057.7	3053.5	2645.4
65°	1291.3	1288.8	1390.0	1495.4	1599.1	1794.8	2170.3	2702.2	3049.3	3049.3	2642.0
67.5°	1073.0	1081.4	1170.0	1291.3	1419.3	1637.6	2039.8	2612.7	2994.1	3000.0	2593.5
70°	884.9	897.4	994.4	1102.3	1243.6	1479.5	1878.4	2451.3	2864.5	2872.8	2489.0
72.5°	730.1	744.3	815.4	924.2	1080.6	1313.1	1696.1	2248.9	2681.3	2684.7	2314.2
75°	593.8	609.7	681.6	776.1	911.6	1134.1	1497.1	2029.0	2414.5	2431.2	2088.3
77.5°	483.4	500.1	566.2	651.5	780.3	970.2	1299.7	1774.7	2131.0	2141.0	1829.9
80°	390.6	408.1	466.7	547.0	659.0	826.3	1114.8	1514.6	1824.9	1824.9	1564.0
82.5°	317.0	332.0	384.7	454.1	556.2	697.5	936.7	1258.7	1508.8	1509.6	1292.1
85°	255.9	265.1	317.0	378.0	462.5	584.6	774.5	1024.5	1216.9	1199.3	1041.2
87.5°	205.7	214.1	257.6	317.0	383.9	487.6	635.6	833.8	956.8	962.6	831.3
90°	165.6	170.6	210.8	260.9	322.8	403.1	516.9	663.2	752.7	745.2	651.5
92.5°	134.7	140.5	174.8	220.0	271.8	338.7	425.7	525.2	582.9	584.6	509.3
95°	110.4	113.7	145.5	185.7	232.5	283.5	347.1	418.2	457.5	452.5	396.4
97.5°	92.0	93.7	122.9	158.9	197.4	239.2	289.4	332.9	354.6	351.3	310.3
100°	77.8	79.5	104.5	138.0	170.6	204.1	239.2	268.5	276.0	271.8	244.2
102.5°	67.7	68.6	89.5	119.6	147.2	174.8	199.0	217.4	216.6	216.6	193.2
105°	59.4	60.2	77.8	104.5	129.6	151.4	168.1	177.3	174.0	172.3	154.7
107.5°	53.5	54.4	68.6	92.0	114.6	131.3	143.9	146.4	139.7	138.0	125.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	48.5	48.5	60.2	81.1	101.2	114.6	122.9	122.9	112.9	112.1	103.7
112.5°	44.3	45.2	54.4	71.9	89.5	101.2	106.2	102.0	92.8	92.0	87.8
115°	41.0	41.8	48.5	64.4	79.5	89.5	92.0	86.1	76.9	76.1	72.8
117.5°	38.5	39.3	44.3	56.9	71.1	78.6	79.5	73.6	64.4	63.6	62.7
120°	36.8	36.8	41.0	51.0	62.7	69.4	68.6	62.7	55.2	54.4	54.4
122.5°	35.1	35.1	37.6	45.2	55.2	61.1	60.2	53.5	46.8	46.8	46.8
125°	33.5	33.5	35.1	41.0	49.3	53.5	51.9	46.0	40.1	40.1	41.8
127.5°	31.8	31.8	32.6	36.0	43.5	46.0	44.3	38.5	35.1	35.1	36.0
130°	30.1	30.1	30.1	32.6	37.6	39.3	37.6	32.6	30.1	30.1	31.8
132.5°	28.4	28.4	28.4	28.4	31.8	33.5	30.9	26.8	25.9	26.8	27.6
135°	26.8	26.8	25.9	25.1	26.8	27.6	25.1	22.6	22.6	22.6	24.3
137.5°	25.1	24.3	23.4	22.6	21.7	21.7	20.1	17.6	19.2	19.2	20.9
140°	22.6	21.7	20.9	19.2	17.6	16.7	15.1	14.2	15.9	15.9	16.7
142.5°	20.1	19.2	18.4	15.9	13.4	11.7	10.0	10.9	12.5	12.5	13.4
145°	16.7	16.7	15.1	12.5	10.0	8.4	6.7	7.5	9.2	9.2	10.0
147.5°	14.2	13.4	12.5	10.0	6.7	5.0	3.3	5.0	6.7	6.7	7.5
150°	10.9	10.0	9.2	6.7	4.2	1.7	1.7	3.3	4.2	4.2	5.0
152.5°	7.5	7.5	6.7	4.2	1.7	0.0	0.8	1.7	2.5	2.5	3.3
155°	5.0	4.2	3.3	2.5	0.8	0.0	0.0	0.8	1.7	1.7	1.7
157.5°	2.5	2.5	1.7	1.7	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8
2.5°	319.5	316.1	308.6	301.9	295.2	289.4	286.0	281.8	281.0	280.2	280.2
5°	331.2	323.7	308.6	294.4	281.0	270.1	261.8	253.4	249.2	247.6	246.7
7.5°	351.3	339.6	315.3	293.6	273.5	256.8	243.4	233.3	227.5	224.1	223.3
10°	378.9	362.1	328.7	298.6	271.8	250.1	233.3	221.6	214.1	210.8	209.9
12.5°	422.4	395.6	353.8	311.1	276.0	249.2	230.0	217.4	214.1	210.8	210.8
15°	471.7	444.9	387.2	334.5	289.4	254.2	237.5	229.2	224.1	221.6	220.8
17.5°	535.3	494.3	424.9	359.6	306.1	272.6	250.9	241.7	236.7	234.2	233.3
20°	600.5	552.0	466.7	387.2	328.7	294.4	268.5	254.2	249.2	246.7	245.9
22.5°	678.3	619.7	510.2	416.5	354.6	314.5	285.2	268.5	262.6	260.1	260.9
25°	757.7	695.0	557.0	447.4	378.9	331.2	301.1	281.8	277.7	274.3	274.3
27.5°	854.7	771.1	604.7	482.6	399.8	346.2	315.3	296.1	288.5	288.5	287.7
30°	956.8	852.2	656.5	512.7	418.2	359.6	326.2	308.6	301.1	300.2	300.2
32.5°	1056.3	939.2	707.5	542.8	432.4	368.8	336.2	319.5	310.3	309.4	310.3
35°	1172.6	1027.9	755.2	567.0	444.9	376.4	343.7	328.7	318.6	317.8	317.8
37.5°	1282.9	1119.0	801.2	586.3	453.3	381.4	349.6	336.2	325.3	324.5	323.7
40°	1398.4	1205.2	843.0	602.2	457.5	384.7	352.9	341.2	331.2	327.8	327.8
42.5°	1515.5	1292.1	878.2	611.4	460.0	385.6	355.4	344.6	335.4	329.5	329.5
45°	1625.0	1366.6	907.4	616.4	460.0	386.4	357.1	347.1	338.7	331.2	330.4
47.5°	1745.4	1441.9	930.0	617.2	457.5	384.7	358.0	349.6	340.4	332.0	331.2
50°	1850.8	1512.9	944.2	614.7	454.1	383.9	358.8	350.4	342.9	332.9	332.9
52.5°	1943.7	1569.8	950.9	608.0	450.0	382.2	358.8	352.1	345.4	334.5	333.7
55°	2025.6	1614.1	950.1	598.0	443.3	379.7	358.0	352.1	347.1	335.4	335.4
57.5°	2095.9	1645.1	942.6	586.3	436.6	378.0	358.0	352.9	348.8	337.9	337.9
60°	2143.5	1662.6	927.5	572.1	429.9	374.7	357.1	353.8	351.3	340.4	341.2
62.5°	2166.1	1660.1	904.1	557.0	422.4	371.3	355.4	352.9	352.1	343.7	343.7
64°	2164.5	1648.4	888.2	546.1	417.3	369.7	354.6	352.1	352.9	345.4	345.4
65°	2153.6	1631.7	871.5	537.8	413.2	368.0	352.9	351.3	352.9	345.4	345.4
67.5°	2100.9	1579.9	828.8	516.9	402.3	360.5	347.9	347.1	349.6	344.6	343.7
70°	1996.3	1497.9	782.8	490.1	388.9	352.1	340.4	339.6	342.9	338.7	337.0
72.5°	1854.2	1384.1	726.8	462.5	373.0	340.4	330.4	329.5	331.2	328.7	326.2
75°	1675.2	1250.3	664.1	431.6	355.4	325.3	316.1	314.5	317.0	313.6	312.0
77.5°	1476.1	1102.3	598.0	398.9	332.9	308.6	299.4	296.9	296.9	292.7	288.5
80°	1257.0	950.9	531.9	365.5	309.4	287.7	280.2	276.8	274.3	267.6	263.4
82.5°	1049.6	808.7	464.2	331.2	284.4	265.1	257.6	253.4	247.6	239.2	233.3
85°	853.9	673.3	402.3	294.4	259.3	240.9	235.0	227.5	220.0	210.8	203.2
87.5°	685.8	551.1	347.1	261.8	230.8	216.6	209.9	199.9	192.4	182.3	175.6
90°	544.5	451.6	296.9	230.0	205.7	193.2	187.3	177.3	166.4	155.6	149.7
92.5°	439.1	368.0	255.9	203.2	184.0	173.1	165.6	155.6	143.0	132.1	128.0
95°	348.8	297.7	218.3	179.8	163.1	153.1	145.5	136.3	122.9	110.4	107.1
97.5°	276.0	245.0	186.5	158.1	144.7	136.3	128.0	119.6	106.2	93.7	92.0
100°	221.6	199.0	159.7	139.7	128.0	120.4	113.7	104.5	92.0	78.6	78.6
102.5°	179.0	164.8	137.2	122.9	113.7	107.1	100.4	92.0	79.5	67.7	66.9
105°	146.4	136.3	117.9	108.7	101.2	96.2	89.5	80.3	68.6	57.7	56.9
107.5°	122.1	112.9	102.0	96.2	90.3	85.3	80.3	71.1	59.4	50.2	50.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	100.4	97.0	88.7	84.5	81.1	76.1	71.1	61.9	51.0	44.3	44.3
112.5°	85.3	82.0	77.8	75.3	71.9	68.6	62.7	54.4	44.3	39.3	39.3
115°	71.9	70.3	67.7	66.1	64.4	61.1	55.2	46.8	37.6	34.3	35.1
117.5°	62.7	61.9	60.2	59.4	57.7	53.5	48.5	41.0	32.6	30.9	30.9
120°	54.4	54.4	52.7	52.7	51.0	47.7	41.8	35.1	28.4	27.6	27.6
122.5°	47.7	47.7	46.8	46.8	45.2	41.8	36.8	30.1	24.3	24.3	25.1
125°	41.8	41.8	41.0	41.0	40.1	36.8	31.8	25.9	21.7	21.7	21.7
127.5°	36.8	36.8	36.8	36.0	34.3	31.8	26.8	21.7	19.2	19.2	19.2
130°	32.6	32.6	31.8	31.8	30.1	26.8	22.6	18.4	15.9	17.6	17.6
132.5°	28.4	28.4	28.4	26.8	25.1	22.6	18.4	15.1	14.2	15.1	15.1
135°	24.3	25.1	24.3	23.4	21.7	18.4	15.1	12.5	12.5	13.4	13.4
137.5°	20.9	20.9	20.9	19.2	17.6	15.1	11.7	10.0	10.9	11.7	11.7
140°	17.6	17.6	16.7	15.9	14.2	11.7	9.2	7.5	9.2	10.0	10.0
142.5°	14.2	14.2	13.4	12.5	10.0	8.4	5.9	5.9	7.5	8.4	8.4
145°	10.9	10.9	10.0	9.2	7.5	5.0	4.2	5.0	6.7	6.7	6.7
147.5°	7.5	7.5	7.5	5.9	4.2	2.5	1.7	3.3	5.0	5.0	5.9
150°	5.0	5.0	5.0	4.2	2.5	0.8	0.8	2.5	3.3	4.2	4.2
152.5°	3.3	3.3	3.3	2.5	1.7	0.0	0.0	1.7	2.5	2.5	2.5
155°	1.7	1.7	1.7	1.7	0.8	0.0	0.0	0.8	1.7	1.7	1.7
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.7	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.0
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)