

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: P417066

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417066
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-PA1-90-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 7432 lumens
Efficiency: N/A
Efficacy: 79.1 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

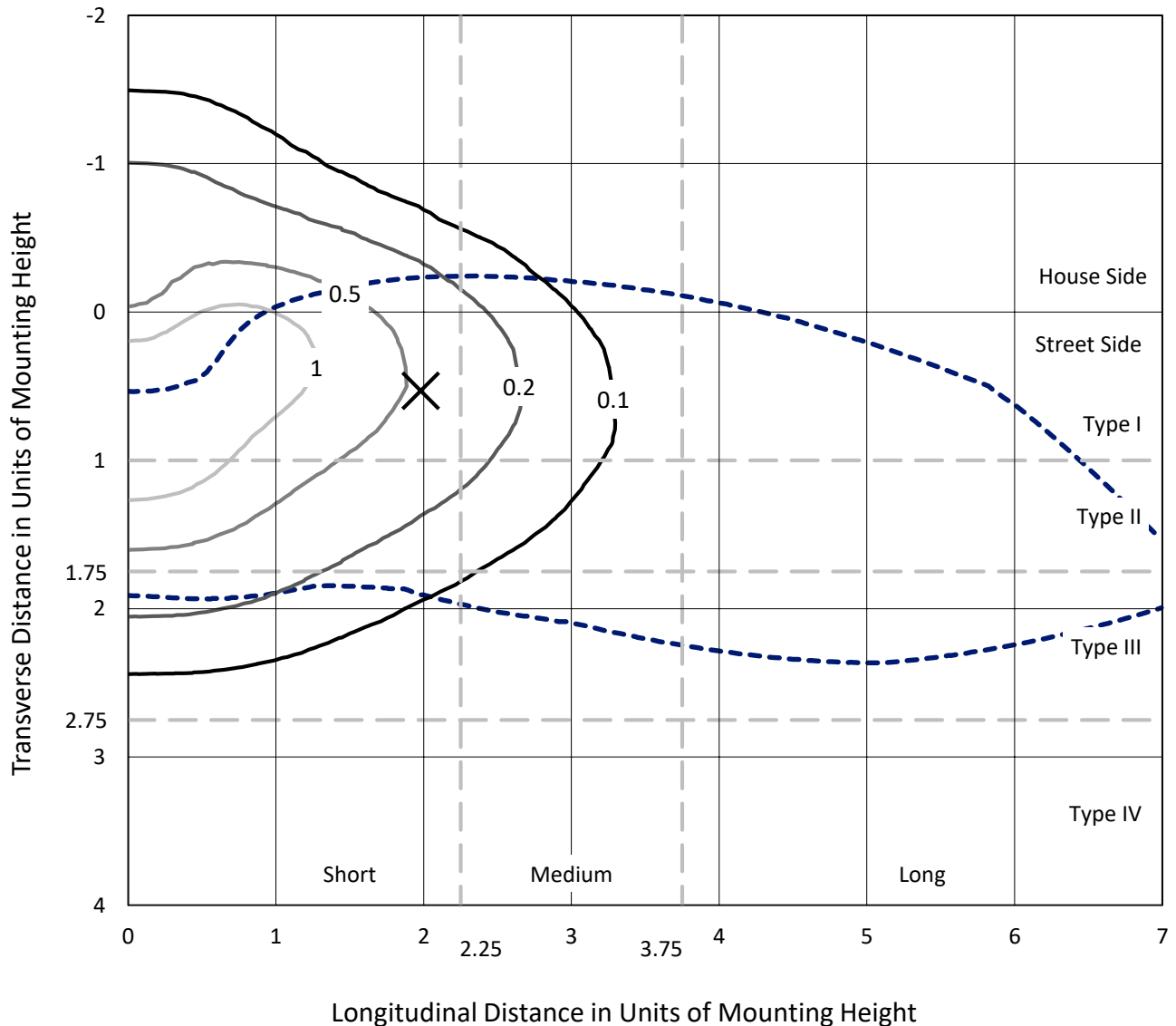
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

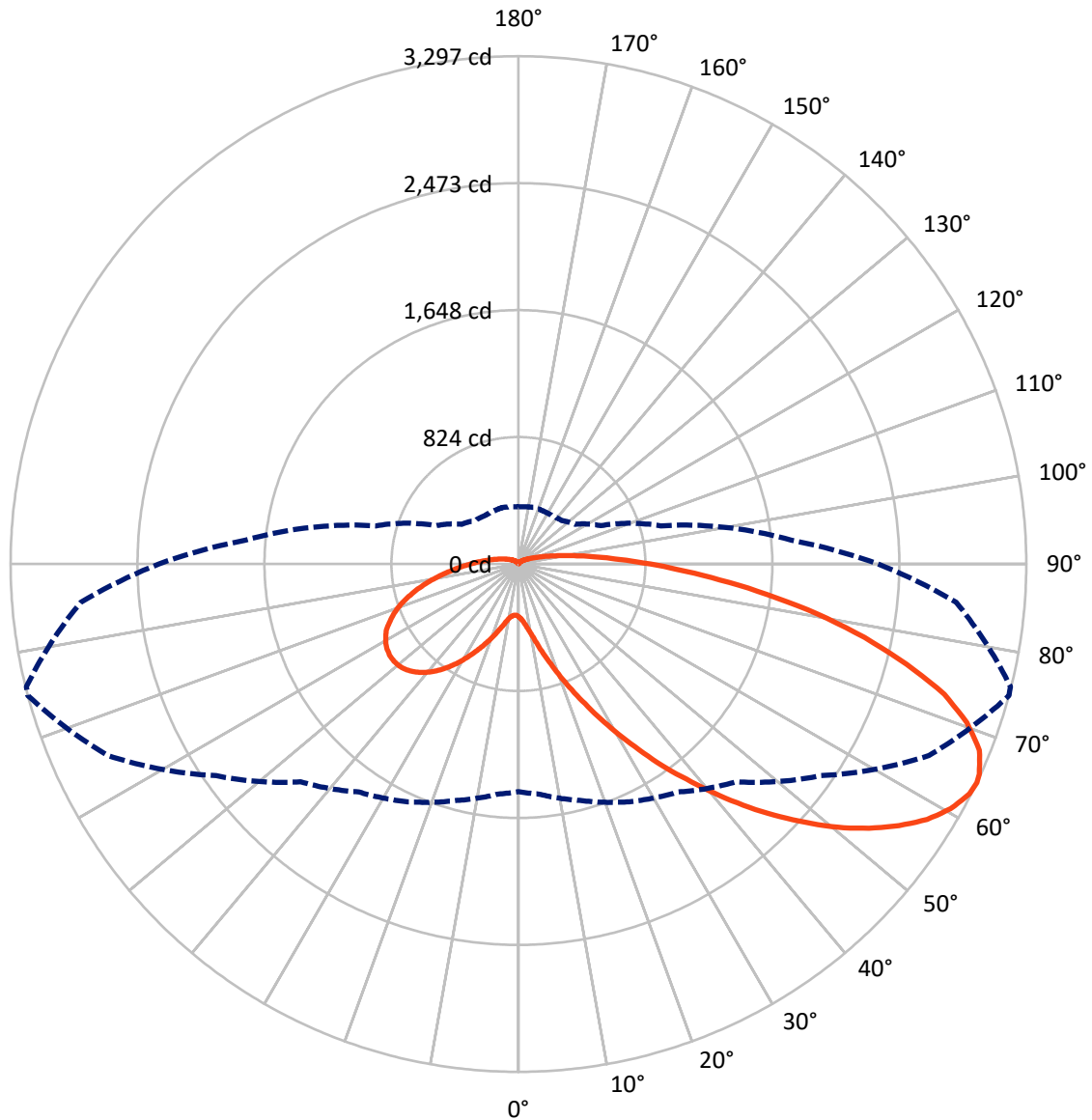


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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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	1639.2	215.9	1855.1
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	5248.5	328.4	5576.9
	% Fixture	70.6	4.4	75.0
Total	Lumens	6887.7	544.3	7432.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.5
10°-20°	149.9	2.0
20°-30°	379.5	5.1
30°-40°	743.2	10.0
40°-50°	1156.2	15.6
50°-60°	1417.9	19.1
60°-70°	1378.4	18.5
70°-80°	1039.5	14.0
80°-90°	587.0	7.9
90°-100°	276.9	3.7
100°-110°	133.7	1.8
110°-120°	70.2	0.9
120°-130°	37.8	0.5
130°-140°	18.5	0.2
140°-150°	6.3	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6887.7	92.7
0°-180°	7432.0	100.0



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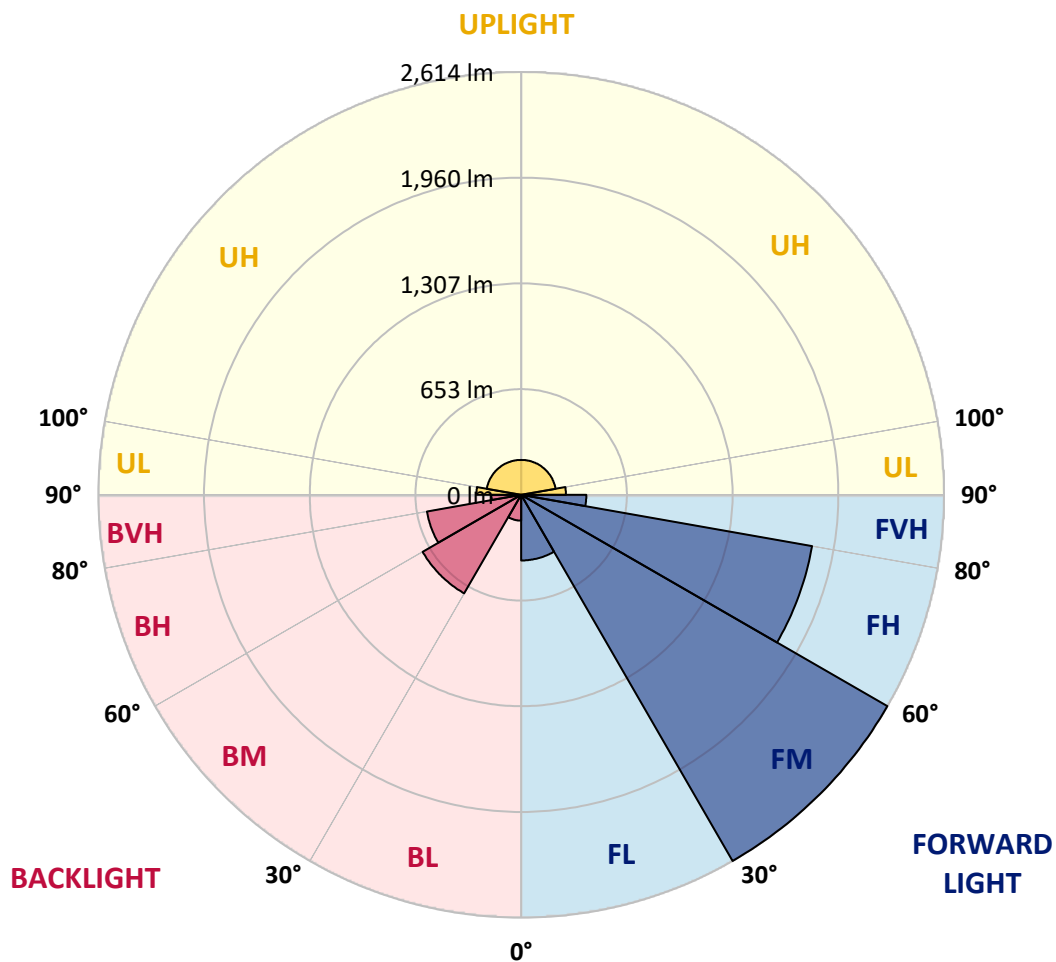
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.0	5.5			
FM (30°-60°)	2613.8	35.2			
FH (60°-80°)	1826.1	24.6			G2/5000
FVH (80°-90°)	402.6	5.4			G3/500
BL (0°-30°)	159.5	2.1	B1/500		
BM (30°-60°)	703.5	9.5	B1/1000		
BH (60°-80°)	591.8	8.0	B2/1000		G2/1000
BVH (80°-90°)	184.4	2.5			G2/225
UL (90°-100°)	276.9	3.7		U3/500	
UH (100°-180°)	215.9	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°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7
2.5°	399.5	395.9	394.1	393.2	386.8	380.5	373.3	366.1	358.0	356.2	349.0
5°	461.7	457.2	455.4	450.0	441.0	430.1	414.8	400.4	382.3	383.2	367.0
7.5°	532.9	529.3	523.9	515.8	502.3	487.8	465.3	443.7	419.3	416.6	393.2
10°	614.1	611.4	606.0	593.3	576.2	551.9	529.3	496.9	462.6	460.8	426.5
12.5°	711.5	707.9	692.5	679.9	657.4	634.8	600.6	561.8	524.8	520.3	477.9
15°	821.5	816.1	805.3	785.4	761.1	724.1	688.0	649.3	600.6	592.4	542.8
17.5°	934.2	934.2	920.7	897.2	863.9	831.4	791.7	743.0	681.7	680.8	615.0
20°	1075.8	1074.0	1053.2	1019.0	985.6	951.3	903.5	848.5	780.0	773.7	693.4
22.5°	1229.1	1227.3	1202.0	1165.0	1121.8	1073.1	1019.9	962.2	887.3	879.2	785.4
25°	1395.0	1394.1	1367.9	1311.1	1256.1	1210.1	1155.1	1091.1	1004.5	1002.7	890.0
27.5°	1597.0	1587.1	1546.5	1477.1	1407.6	1348.1	1284.1	1226.4	1139.8	1126.3	1000.9
30°	1791.8	1786.3	1731.3	1656.5	1560.9	1482.5	1417.5	1373.4	1284.1	1271.5	1130.8
32.5°	1992.8	1989.2	1922.5	1835.9	1717.8	1620.4	1569.9	1522.1	1436.5	1431.1	1258.8
35°	2215.6	2201.1	2124.5	2005.5	1868.4	1759.3	1714.2	1692.6	1607.8	1588.0	1399.5
37.5°	2397.7	2386.9	2317.5	2172.3	2010.9	1893.7	1859.4	1845.0	1771.9	1763.8	1551.9
40°	2573.6	2565.5	2480.7	2323.8	2139.8	2022.6	1988.3	2012.7	1954.1	1941.4	1705.2
42.5°	2700.7	2689.9	2611.4	2444.6	2251.6	2128.1	2127.2	2183.1	2140.7	2127.2	1863.9
45°	2776.5	2765.6	2700.7	2540.2	2339.1	2220.1	2240.8	2339.1	2326.5	2310.3	2009.1
47.5°	2783.7	2777.4	2730.5	2581.7	2392.3	2292.2	2351.7	2492.4	2505.9	2490.6	2164.2
50°	2717.8	2724.2	2694.4	2576.3	2411.3	2339.1	2441.9	2637.6	2687.2	2669.2	2318.4
52.5°	2593.4	2586.2	2598.8	2515.0	2391.4	2355.3	2503.2	2759.3	2850.4	2832.4	2460.8
55°	2386.0	2391.4	2435.6	2404.0	2329.2	2336.4	2540.2	2855.8	2998.3	2983.9	2589.8
57.5°	2167.8	2155.2	2234.5	2239.9	2219.2	2285.9	2544.7	2928.9	3129.0	3113.7	2700.7
60°	1881.9	1912.6	1983.8	2045.1	2081.2	2202.1	2515.0	2966.7	3224.6	3220.1	2790.0
62.5°	1634.9	1641.2	1737.7	1830.5	1917.1	2083.9	2449.1	2965.8	3286.8	3281.4	2843.2
64°	1478.0	1498.7	1589.8	1702.5	1806.2	1999.2	2395.0	2940.6	3296.8	3292.3	2852.2
65°	1392.3	1389.6	1498.7	1612.3	1724.1	1935.1	2340.0	2913.5	3287.7	3287.7	2848.6
67.5°	1156.9	1166.0	1261.5	1392.3	1530.3	1765.6	2199.3	2817.0	3228.2	3234.5	2796.3
70°	954.0	967.6	1072.2	1188.5	1340.9	1595.2	2025.3	2643.0	3088.5	3097.5	2683.6
72.5°	787.2	802.5	879.2	996.4	1165.0	1415.7	1828.7	2424.8	2891.0	2894.6	2495.1
75°	640.2	657.4	734.9	836.8	982.9	1222.8	1614.1	2187.6	2603.3	2621.4	2251.6
77.5°	521.2	539.2	610.5	702.5	841.3	1046.0	1401.3	1913.5	2297.6	2308.5	1973.0
80°	421.1	440.0	503.2	589.7	710.6	890.9	1202.0	1633.1	1967.6	1967.6	1686.3
82.5°	341.8	358.0	414.8	489.6	599.7	752.1	1009.9	1357.1	1626.7	1627.6	1393.2
85°	275.9	285.9	341.8	407.6	498.7	630.3	835.0	1104.6	1312.0	1293.1	1122.7
87.5°	221.8	230.8	277.7	341.8	413.9	525.7	685.3	899.0	1031.6	1037.9	896.3
90°	178.5	184.0	227.2	281.3	348.1	434.6	557.3	715.1	811.6	803.5	702.5
92.5°	145.2	151.5	188.5	237.2	293.1	365.2	459.0	566.3	628.5	630.3	549.2
95°	119.0	122.6	156.9	200.2	250.7	305.7	374.2	450.9	493.3	487.8	427.4
97.5°	99.2	101.0	132.6	171.3	212.8	257.9	312.0	358.9	382.3	378.7	334.5
100°	83.9	85.7	112.7	148.8	184.0	220.0	257.9	289.5	297.6	293.1	263.3
102.5°	73.0	73.9	96.5	128.9	158.7	188.5	214.6	234.5	233.6	233.6	208.3
105°	64.0	64.9	83.9	112.7	139.8	163.2	181.2	191.2	187.6	185.8	166.8
107.5°	57.7	58.6	73.9	99.2	123.5	141.6	155.1	157.8	150.6	148.8	135.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	52.3	52.3	64.9	87.5	109.1	123.5	132.6	132.6	121.7	120.8	111.8
112.5°	47.8	48.7	58.6	77.5	96.5	109.1	114.5	110.0	100.1	99.2	94.7
115°	44.2	45.1	52.3	69.4	85.7	96.5	99.2	92.9	83.0	82.1	78.5
117.5°	41.5	42.4	47.8	61.3	76.6	84.8	85.7	79.4	69.4	68.5	67.6
120°	39.7	39.7	44.2	55.0	67.6	74.8	73.9	67.6	59.5	58.6	58.6
122.5°	37.9	37.9	40.6	48.7	59.5	65.8	64.9	57.7	50.5	50.5	50.5
125°	36.1	36.1	37.9	44.2	53.2	57.7	55.9	49.6	43.3	43.3	45.1
127.5°	34.3	34.3	35.2	38.8	46.9	49.6	47.8	41.5	37.9	37.9	38.8
130°	32.5	32.5	32.5	35.2	40.6	42.4	40.6	35.2	32.5	32.5	34.3
132.5°	30.7	30.7	30.7	30.7	34.3	36.1	33.4	28.9	28.0	28.9	29.8
135°	28.9	28.9	28.0	27.1	28.9	29.8	27.1	24.3	24.3	24.3	26.2
137.5°	27.1	26.2	25.2	24.3	23.4	23.4	21.6	18.9	20.7	20.7	22.5
140°	24.3	23.4	22.5	20.7	18.9	18.0	16.2	15.3	17.1	17.1	18.0
142.5°	21.6	20.7	19.8	17.1	14.4	12.6	10.8	11.7	13.5	13.5	14.4
145°	18.0	18.0	16.2	13.5	10.8	9.0	7.2	8.1	9.9	9.9	10.8
147.5°	15.3	14.4	13.5	10.8	7.2	5.4	3.6	5.4	7.2	7.2	8.1
150°	11.7	10.8	9.9	7.2	4.5	1.8	1.8	3.6	4.5	4.5	5.4
152.5°	8.1	8.1	7.2	4.5	1.8	0.0	0.9	1.8	2.7	2.7	3.6
155°	5.4	4.5	3.6	2.7	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	2.7	2.7	1.8	1.8	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	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°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7
2.5°	344.5	340.9	332.7	325.5	318.3	312.0	308.4	303.9	303.0	302.1	302.1
5°	357.1	349.0	332.7	317.4	303.0	291.3	282.2	273.2	268.7	266.9	266.0
7.5°	378.7	366.1	340.0	316.5	294.9	276.8	262.4	251.6	245.3	241.7	240.8
10°	408.5	390.5	354.4	321.9	293.1	269.6	251.6	239.0	230.8	227.2	226.3
12.5°	455.4	426.5	381.4	335.4	297.6	268.7	248.0	234.5	230.8	227.2	227.2
15°	508.6	479.7	417.5	360.7	312.0	274.1	256.1	247.1	241.7	239.0	238.1
17.5°	577.1	532.9	458.1	387.7	330.0	294.0	270.5	260.6	255.2	252.5	251.6
20°	647.4	595.1	503.2	417.5	354.4	317.4	289.5	274.1	268.7	266.0	265.1
22.5°	731.3	668.2	550.1	449.1	382.3	339.1	307.5	289.5	283.1	280.4	281.3
25°	817.0	749.3	600.6	482.4	408.5	357.1	324.6	303.9	299.4	295.8	295.8
27.5°	921.6	831.4	652.0	520.3	431.0	373.3	340.0	319.2	311.1	311.1	310.2
30°	1031.6	918.9	707.9	552.8	450.9	387.7	351.7	332.7	324.6	323.7	323.7
32.5°	1138.9	1012.7	762.9	585.2	466.2	397.7	362.5	344.5	334.5	333.6	334.5
35°	1264.2	1108.2	814.3	611.4	479.7	405.8	370.6	354.4	343.6	342.7	342.7
37.5°	1383.3	1206.5	863.9	632.1	488.7	411.2	376.9	362.5	350.8	349.9	349.0
40°	1507.7	1299.4	909.0	649.3	493.3	414.8	380.5	367.9	357.1	353.5	353.5
42.5°	1634.0	1393.2	946.8	659.2	496.0	415.7	383.2	371.5	361.6	355.3	355.3
45°	1752.1	1473.4	978.4	664.6	496.0	416.6	385.0	374.2	365.2	357.1	356.2
47.5°	1881.9	1554.6	1002.7	665.5	493.3	414.8	385.9	376.9	367.0	358.0	357.1
50°	1995.6	1631.2	1018.1	662.8	489.6	413.9	386.8	377.8	369.7	358.9	358.9
52.5°	2095.6	1692.6	1025.3	655.6	485.1	412.1	386.8	379.6	372.4	360.7	359.8
55°	2184.0	1740.4	1024.4	644.7	477.9	409.4	385.9	379.6	374.2	361.6	361.6
57.5°	2259.8	1773.7	1016.3	632.1	470.7	407.6	385.9	380.5	376.0	364.3	364.3
60°	2311.2	1792.7	1000.0	616.8	463.5	404.0	385.0	381.4	378.7	367.0	367.9
62.5°	2335.5	1790.0	974.8	600.6	455.4	400.4	383.2	380.5	379.6	370.6	370.6
64°	2333.7	1777.3	957.6	588.8	450.0	398.6	382.3	379.6	380.5	372.4	372.4
65°	2322.0	1759.3	939.6	579.8	445.5	396.8	380.5	378.7	380.5	372.4	372.4
67.5°	2265.2	1703.4	893.6	557.3	433.7	388.7	375.1	374.2	376.9	371.5	370.6
70°	2152.5	1615.0	844.0	528.4	419.3	379.6	367.0	366.1	369.7	365.2	363.4
72.5°	1999.2	1492.4	783.6	498.7	402.2	367.0	356.2	355.3	357.1	354.4	351.7
75°	1806.2	1348.1	716.0	465.3	383.2	350.8	340.9	339.1	341.8	338.2	336.3
77.5°	1591.6	1188.5	644.7	430.1	358.9	332.7	322.8	320.1	320.1	315.6	311.1
80°	1355.3	1025.3	573.5	394.1	333.6	310.2	302.1	298.5	295.8	288.6	284.0
82.5°	1131.7	872.0	500.5	357.1	306.6	285.9	277.7	273.2	266.9	257.9	251.6
85°	920.7	725.9	433.7	317.4	279.5	259.7	253.4	245.3	237.2	227.2	219.1
87.5°	739.4	594.2	374.2	282.2	248.9	233.6	226.3	215.5	207.4	196.6	189.4
90°	587.0	486.9	320.1	248.0	221.8	208.3	202.0	191.2	179.4	167.7	161.4
92.5°	473.4	396.8	275.9	219.1	198.4	186.7	178.5	167.7	154.2	142.5	138.0
95°	376.0	321.0	235.4	193.9	175.8	165.0	156.9	147.0	132.6	119.0	115.4
97.5°	297.6	264.2	201.1	170.4	156.0	147.0	138.0	128.9	114.5	101.0	99.2
100°	239.0	214.6	172.2	150.6	138.0	129.9	122.6	112.7	99.2	84.8	84.8
102.5°	193.0	177.6	147.9	132.6	122.6	115.4	108.2	99.2	85.7	73.0	72.1
105°	157.8	147.0	127.1	117.2	109.1	103.7	96.5	86.6	73.9	62.2	61.3
107.5°	131.7	121.7	110.0	103.7	97.4	92.0	86.6	76.6	64.0	54.1	54.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	108.2	104.6	95.6	91.1	87.5	82.1	76.6	66.7	55.0	47.8	47.8
112.5°	92.0	88.4	83.9	81.2	77.5	73.9	67.6	58.6	47.8	42.4	42.4
115°	77.5	75.7	73.0	71.2	69.4	65.8	59.5	50.5	40.6	37.0	37.9
117.5°	67.6	66.7	64.9	64.0	62.2	57.7	52.3	44.2	35.2	33.4	33.4
120°	58.6	58.6	56.8	56.8	55.0	51.4	45.1	37.9	30.7	29.8	29.8
122.5°	51.4	51.4	50.5	50.5	48.7	45.1	39.7	32.5	26.2	26.2	27.1
125°	45.1	45.1	44.2	44.2	43.3	39.7	34.3	28.0	23.4	23.4	23.4
127.5°	39.7	39.7	39.7	38.8	37.0	34.3	28.9	23.4	20.7	20.7	20.7
130°	35.2	35.2	34.3	34.3	32.5	28.9	24.3	19.8	17.1	18.9	18.9
132.5°	30.7	30.7	30.7	28.9	27.1	24.3	19.8	16.2	15.3	16.2	16.2
135°	26.2	27.1	26.2	25.2	23.4	19.8	16.2	13.5	13.5	14.4	14.4
137.5°	22.5	22.5	22.5	20.7	18.9	16.2	12.6	10.8	11.7	12.6	12.6
140°	18.9	18.9	18.0	17.1	15.3	12.6	9.9	8.1	9.9	10.8	10.8
142.5°	15.3	15.3	14.4	13.5	10.8	9.0	6.3	6.3	8.1	9.0	9.0
145°	11.7	11.7	10.8	9.9	8.1	5.4	4.5	5.4	7.2	7.2	7.2
147.5°	8.1	8.1	8.1	6.3	4.5	2.7	1.8	3.6	5.4	5.4	6.3
150°	5.4	5.4	5.4	4.5	2.7	0.9	0.9	2.7	3.6	4.5	4.5
152.5°	3.6	3.6	3.6	2.7	1.8	0.0	0.0	1.8	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.8	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	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)