

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: P413808

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8455 lumens
Efficiency: N/A
Efficacy: 88.1 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: B2 - U3 - G4

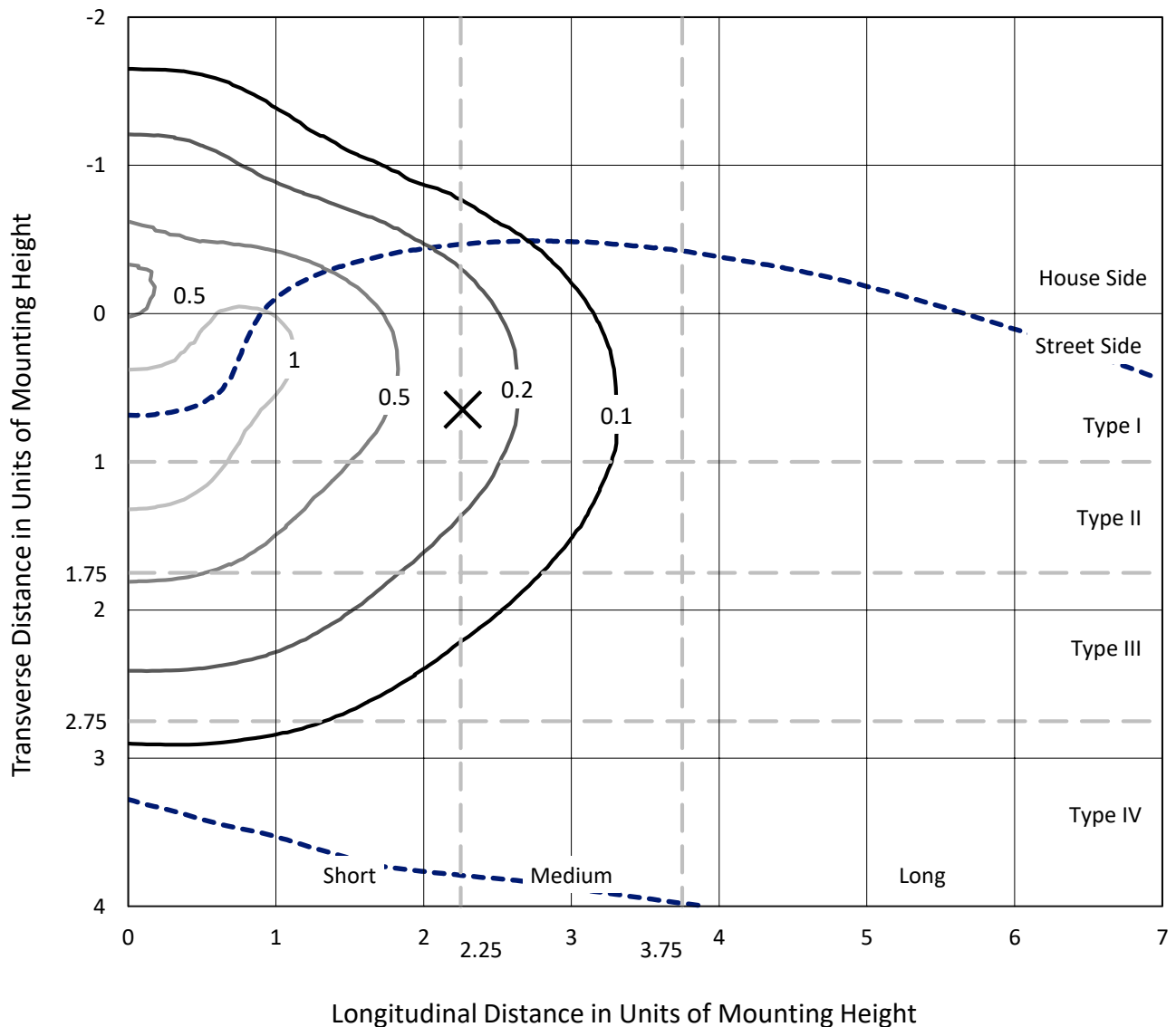
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

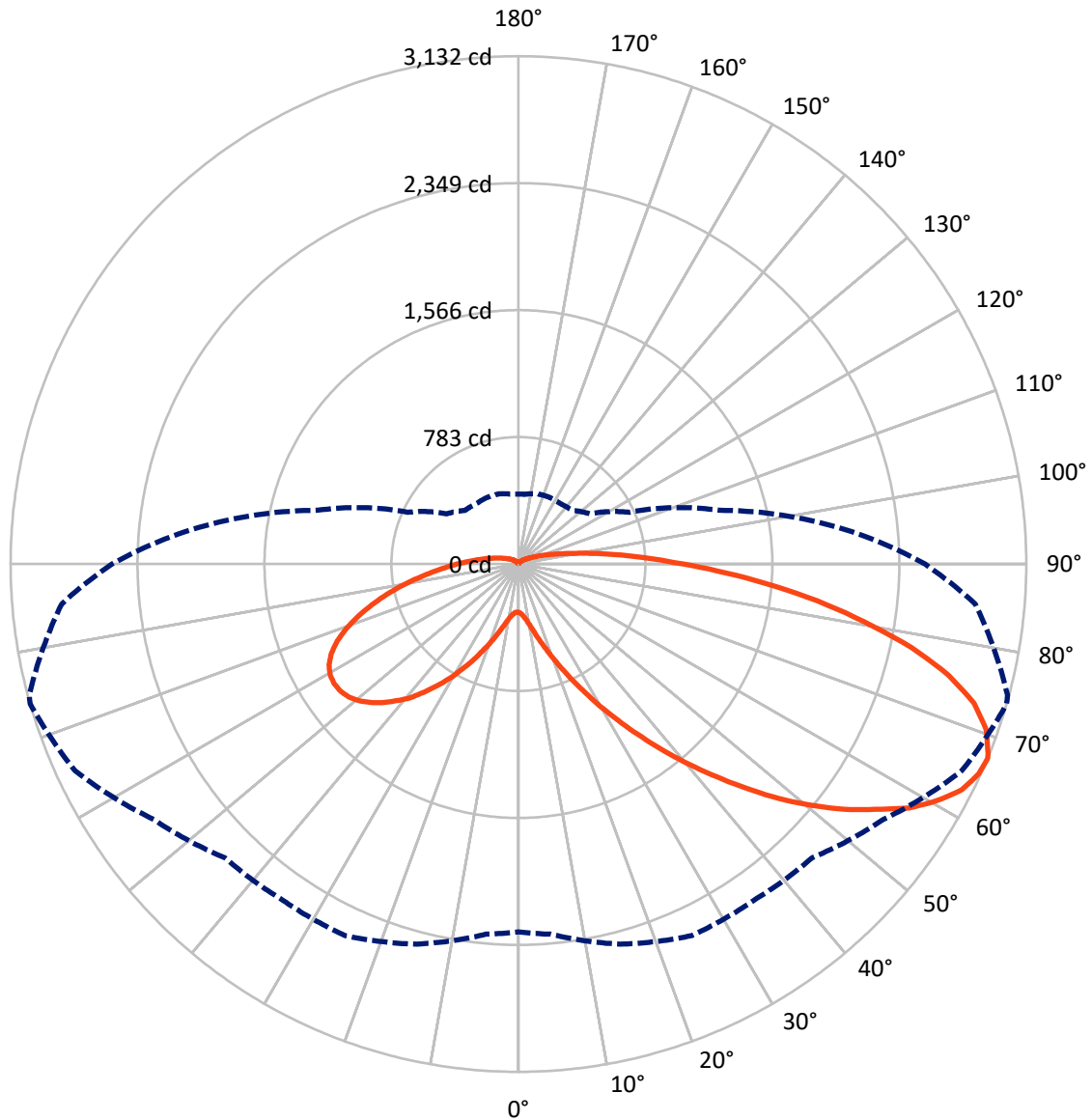
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2038.1	252.1	2290.2
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5726.0	438.9	6164.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	7764.1	690.9	8455.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	0.4
10°-20°	129.8	1.5
20°-30°	328.4	3.9
30°-40°	659.0	7.8
40°-50°	1106.2	13.1
50°-60°	1551.9	18.4
60°-70°	1734.5	20.5
70°-80°	1415.1	16.7
80°-90°	807.8	9.6
90°-100°	369.2	4.4
100°-110°	169.0	2.0
110°-120°	83.3	1.0
120°-130°	42.4	0.5
130°-140°	19.7	0.2
140°-150°	6.5	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7764.1	91.8
0°-180°	8455.0	100.0

Coefficient of Utilization



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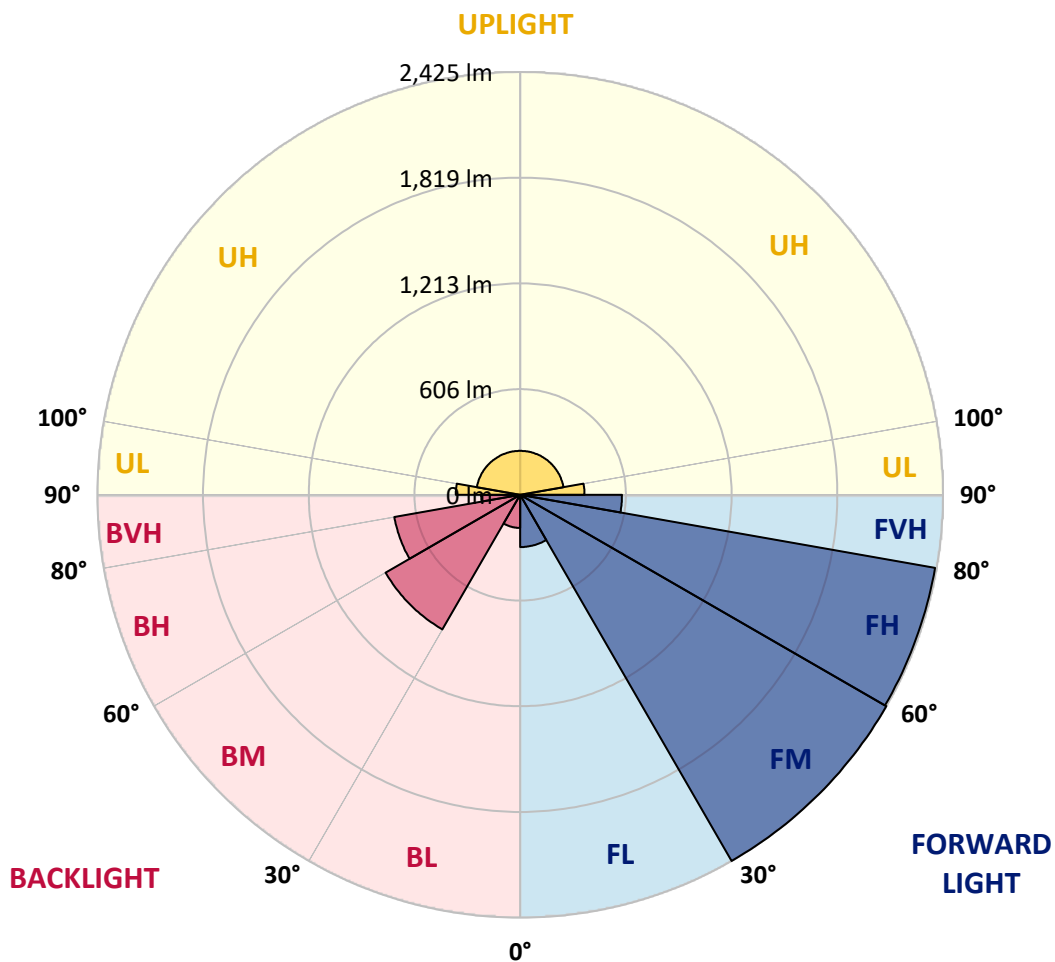
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.6	3.5			
FM	(30°-60°)	2425.5	28.7			
FH	(60°-80°)	2416.8	28.6			G2/5000
FVH	(80°-90°)	584.1	6.9			G4/750
BL	(0°-30°)	189.9	2.2	B1/500		
BM	(30°-60°)	891.6	10.5	B1/1000		
BH	(60°-80°)	732.9	8.7	B2/1000		G2/1000
BVH	(80°-90°)	223.7	2.6			G2/225
UL	(90°-100°)	369.2	4.4		U3/500	
UH	(100°-180°)	252.1	3.0		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3
2.5°	324.1	322.1	322.1	320.1	319.1	315.2	312.2	308.2	306.2	305.2	302.2
5°	353.9	350.9	350.9	349.0	345.0	340.0	333.1	329.1	322.1	323.1	314.2
7.5°	389.7	388.7	386.7	382.8	377.8	371.8	364.9	355.9	348.0	348.0	337.0
10°	437.4	431.5	431.5	426.5	421.5	412.6	402.6	392.7	381.8	380.8	365.9
12.5°	495.1	494.1	488.1	481.2	473.2	464.3	448.4	438.4	427.5	426.5	410.6
15°	562.7	559.7	551.8	548.8	536.9	521.0	508.0	498.1	487.2	483.2	462.3
17.5°	642.2	638.3	635.3	620.4	610.4	597.5	582.6	569.7	550.8	548.8	525.9
20°	735.7	726.8	717.8	705.9	690.0	678.0	662.1	650.2	628.3	628.3	597.5
22.5°	834.1	832.1	824.2	804.3	782.4	770.5	755.6	731.7	713.8	708.9	675.1
25°	953.4	951.4	935.5	914.7	891.8	873.9	850.0	824.2	809.3	808.3	770.5
27.5°	1088.6	1091.6	1063.8	1036.9	1006.1	977.3	951.4	938.5	918.6	915.7	871.9
30°	1251.7	1238.8	1209.9	1171.2	1128.4	1091.6	1064.8	1051.9	1038.9	1037.9	985.2
32.5°	1417.7	1402.8	1377.9	1324.3	1264.6	1207.9	1195.0	1184.1	1169.2	1161.2	1108.5
35°	1601.6	1589.7	1553.9	1483.3	1403.8	1342.2	1315.3	1317.3	1310.3	1306.4	1242.7
37.5°	1804.5	1783.6	1734.9	1666.3	1549.0	1482.3	1451.5	1468.4	1464.4	1456.5	1389.9
40°	1995.3	1992.4	1940.7	1834.3	1716.0	1621.5	1600.6	1629.5	1624.5	1614.6	1541.0
42.5°	2216.1	2194.2	2136.5	2017.2	1874.1	1769.7	1746.8	1789.5	1795.5	1797.5	1699.1
45°	2404.9	2395.0	2340.3	2203.1	2038.1	1924.8	1905.9	1951.6	1971.5	1973.5	1865.1
47.5°	2588.9	2584.9	2529.2	2387.1	2198.2	2077.9	2053.0	2118.6	2160.4	2151.4	2023.2
50°	2727.1	2734.0	2689.3	2554.1	2357.2	2214.1	2220.0	2300.6	2339.3	2334.4	2192.2
52.5°	2845.4	2835.4	2816.5	2688.3	2483.5	2352.3	2359.2	2455.7	2513.3	2510.3	2352.3
55°	2889.1	2886.1	2888.1	2783.7	2586.9	2465.6	2486.5	2622.7	2670.4	2664.4	2482.5
57.5°	2880.2	2878.2	2909.0	2840.4	2670.4	2555.1	2602.8	2759.9	2838.4	2830.5	2619.7
60°	2812.6	2803.6	2870.2	2845.4	2704.2	2610.7	2694.3	2880.2	2964.7	2962.7	2732.0
62.5°	2660.5	2674.4	2766.8	2789.7	2694.3	2639.6	2748.9	2973.6	3068.1	3061.1	2812.6
65°	2448.7	2483.5	2594.8	2674.4	2626.7	2613.7	2768.8	3015.4	3119.8	3118.8	2841.4
67°	2267.8	2291.6	2426.8	2528.2	2531.2	2561.0	2746.0	3016.4	3131.7	3122.8	2827.5
67.5°	2204.1	2235.9	2373.1	2496.4	2509.3	2546.1	2737.0	3014.4	3123.7	3118.8	2820.5
70°	1915.8	1952.6	2102.7	2257.8	2337.3	2416.9	2655.5	2958.7	3060.1	3049.2	2740.0
72.5°	1623.5	1675.2	1817.4	2001.3	2117.6	2248.9	2514.3	2819.5	2938.8	2916.0	2582.9
75°	1343.2	1377.9	1516.1	1715.0	1866.1	2044.1	2321.4	2631.6	2739.0	2720.1	2383.1
77.5°	1070.7	1102.6	1235.8	1435.6	1606.6	1806.4	2095.8	2396.0	2479.5	2468.6	2129.6
80°	845.1	867.9	996.2	1174.1	1350.1	1563.9	1838.3	2106.7	2161.4	2169.3	1850.2
82.5°	650.2	680.0	791.4	948.5	1114.5	1318.3	1556.9	1794.5	1855.2	1835.3	1563.9
85°	497.1	522.0	621.4	754.6	920.6	1092.6	1305.4	1500.2	1527.1	1504.2	1267.6
87.5°	388.7	407.6	485.2	614.4	746.6	893.8	1063.8	1212.9	1226.8	1222.9	1015.1
90°	301.2	318.1	382.8	485.2	606.5	732.7	865.9	970.3	963.4	969.3	800.3
92.5°	236.6	245.6	304.2	394.7	496.1	597.5	698.9	768.5	767.5	750.6	624.4
95°	191.9	196.8	247.6	323.1	404.6	485.2	560.7	605.5	603.5	585.6	487.2
97.5°	155.1	158.1	201.8	265.4	334.0	396.7	451.4	483.2	467.3	460.3	381.8
100°	127.3	129.2	167.0	221.7	278.4	332.1	370.8	383.8	361.9	357.9	300.2
102.5°	108.4	109.4	141.2	187.9	232.6	273.4	302.2	308.2	282.4	284.3	236.6
105°	92.5	93.5	118.3	160.1	197.8	228.7	249.5	246.6	225.7	222.7	188.9
107.5°	80.5	81.5	101.4	137.2	170.0	195.9	206.8	199.8	180.9	177.0	152.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	70.6	71.6	87.5	117.3	146.1	168.0	174.0	163.0	146.1	142.2	125.3
112.5°	63.6	63.6	76.6	101.4	127.3	145.2	147.1	136.2	117.3	115.3	104.4
115°	57.7	57.7	67.6	87.5	110.4	124.3	124.3	111.3	96.4	95.4	87.5
117.5°	52.7	52.7	59.7	76.6	95.4	107.4	105.4	93.5	80.5	79.5	75.6
120°	48.7	48.7	53.7	66.6	82.5	91.5	89.5	77.5	67.6	66.6	64.6
122.5°	44.7	45.7	48.7	58.7	71.6	78.5	76.6	66.6	57.7	56.7	56.7
125°	41.8	41.8	43.7	50.7	61.6	67.6	64.6	54.7	48.7	48.7	48.7
127.5°	38.8	38.8	39.8	44.7	52.7	56.7	53.7	45.7	42.8	41.8	42.8
130°	35.8	35.8	36.8	38.8	44.7	46.7	43.7	38.8	35.8	35.8	36.8
132.5°	32.8	32.8	32.8	33.8	36.8	38.8	35.8	31.8	30.8	30.8	31.8
135°	29.8	30.8	29.8	29.8	30.8	30.8	27.8	25.8	25.8	26.8	27.8
137.5°	26.8	26.8	25.8	24.9	24.9	23.9	21.9	20.9	21.9	21.9	22.9
140°	23.9	23.9	22.9	20.9	18.9	17.9	16.9	15.9	17.9	17.9	18.9
142.5°	20.9	20.9	18.9	16.9	13.9	11.9	10.9	11.9	13.9	13.9	14.9
145°	16.9	16.9	15.9	13.9	9.9	8.0	7.0	8.9	9.9	9.9	10.9
147.5°	13.9	12.9	11.9	9.9	7.0	5.0	4.0	6.0	7.0	7.0	8.0
150°	9.9	9.9	8.9	7.0	4.0	2.0	2.0	3.0	4.0	4.0	5.0
152.5°	7.0	7.0	6.0	4.0	2.0	0.0	1.0	2.0	2.0	2.0	3.0
155°	4.0	4.0	4.0	3.0	1.0	0.0	0.0	1.0	1.0	1.0	2.0
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	2.0	1.0	1.0	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°	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3	298.3
2.5°	300.2	298.3	296.3	293.3	291.3	289.3	287.3	286.3	286.3	285.3	286.3
5°	311.2	308.2	302.2	297.3	291.3	287.3	283.3	281.4	279.4	278.4	278.4
7.5°	331.1	327.1	317.1	308.2	299.3	292.3	287.3	282.4	280.4	279.4	279.4
10°	359.9	353.9	339.0	326.1	313.2	304.2	295.3	290.3	287.3	285.3	285.3
12.5°	400.7	390.7	371.8	350.0	333.1	321.1	310.2	305.2	304.2	304.2	304.2
15°	455.3	441.4	412.6	386.7	361.9	341.0	333.1	333.1	332.1	331.1	332.1
17.5°	512.0	496.1	460.3	427.5	396.7	375.8	362.9	359.9	358.9	357.9	358.9
20°	579.6	559.7	518.0	473.2	434.5	414.6	396.7	388.7	387.7	388.7	386.7
22.5°	656.2	634.3	572.7	519.0	476.2	448.4	427.5	416.6	418.6	418.6	417.6
25°	748.6	714.8	642.2	569.7	518.0	479.2	455.3	444.4	445.4	447.4	449.4
27.5°	842.1	803.3	710.8	622.4	554.8	510.0	482.2	470.3	469.3	475.2	474.2
30°	951.4	901.7	786.4	676.1	588.6	531.9	503.1	493.1	492.1	497.1	498.1
32.5°	1068.8	1007.1	864.9	729.7	618.4	550.8	518.0	511.0	509.0	514.0	515.0
35°	1197.0	1118.5	941.5	776.5	643.2	563.7	529.9	522.0	519.0	523.9	525.9
37.5°	1321.3	1229.8	1020.0	818.2	663.1	571.7	534.9	528.9	524.9	527.9	528.9
40°	1452.5	1355.1	1099.6	856.0	675.1	575.6	536.9	530.9	526.9	526.9	526.9
42.5°	1596.7	1470.4	1164.2	882.8	682.0	574.6	534.9	527.9	522.9	519.0	519.0
45°	1744.8	1594.7	1230.8	904.7	683.0	569.7	529.9	523.9	516.0	508.0	507.0
47.5°	1889.0	1707.0	1289.5	916.6	680.0	562.7	522.9	515.0	508.0	496.1	496.1
50°	2029.1	1819.4	1338.2	922.6	671.1	554.8	516.0	508.0	499.1	483.2	481.2
52.5°	2157.4	1921.8	1375.0	920.6	658.2	543.8	507.0	500.1	489.1	470.3	470.3
55°	2283.7	2016.2	1397.8	907.7	642.2	531.9	499.1	492.1	480.2	460.3	458.3
57.5°	2387.1	2083.8	1406.8	887.8	624.4	519.0	491.1	484.2	473.2	451.4	451.4
60°	2474.5	2140.5	1400.8	862.0	604.5	507.0	481.2	477.2	467.3	446.4	446.4
62.5°	2525.2	2163.4	1377.9	829.2	581.6	494.1	472.2	470.3	461.3	441.4	441.4
65°	2536.2	2148.4	1331.2	788.4	558.7	479.2	462.3	461.3	455.3	436.5	434.5
67°	2506.4	2109.7	1279.5	753.6	538.9	467.3	453.4	453.4	448.4	431.5	430.5
67.5°	2495.4	2094.8	1265.6	744.6	534.9	465.3	451.4	452.4	447.4	430.5	427.5
70°	2400.0	1994.3	1180.1	693.9	507.0	447.4	438.4	439.4	435.5	422.5	419.5
72.5°	2251.8	1850.2	1079.7	645.2	479.2	429.5	420.5	424.5	420.5	410.6	404.6
75°	2052.0	1674.2	975.3	589.6	451.4	407.6	401.7	403.6	402.6	392.7	387.7
77.5°	1816.4	1480.4	864.0	537.9	420.5	385.7	379.8	382.8	380.8	371.8	365.9
80°	1560.9	1275.5	756.6	486.2	388.7	360.9	354.9	355.9	354.9	346.0	338.0
82.5°	1310.3	1074.7	647.2	435.5	357.9	334.0	327.1	326.1	324.1	314.2	308.2
85°	1081.7	882.8	552.8	386.7	326.1	304.2	298.3	294.3	291.3	280.4	276.4
87.5°	862.0	721.8	467.3	345.0	294.3	276.4	268.4	261.5	256.5	246.6	242.6
90°	688.0	581.6	398.7	302.2	265.4	249.5	238.6	229.7	223.7	212.8	206.8
92.5°	545.8	463.3	335.0	265.4	237.6	223.7	213.8	202.8	194.9	180.9	178.0
95°	432.5	372.8	282.4	232.6	210.8	198.8	189.9	178.0	167.0	153.1	150.1
97.5°	342.0	304.2	237.6	203.8	185.9	176.0	167.0	155.1	143.2	129.2	127.3
100°	273.4	244.6	203.8	178.0	166.0	156.1	147.1	136.2	121.3	107.4	107.4
102.5°	219.7	200.8	171.0	156.1	146.1	138.2	130.2	119.3	103.4	88.5	88.5
105°	178.0	166.0	147.1	136.2	129.2	123.3	115.3	102.4	86.5	74.6	74.6
107.5°	146.1	137.2	126.3	118.3	114.3	108.4	101.4	88.5	73.6	62.6	62.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	121.3	115.3	107.4	104.4	101.4	96.4	88.5	76.6	61.6	53.7	53.7
112.5°	101.4	98.4	92.5	91.5	89.5	85.5	77.5	65.6	51.7	46.7	46.7
115°	86.5	84.5	80.5	80.5	78.5	75.6	67.6	56.7	44.7	39.8	40.8
117.5°	73.6	72.6	70.6	70.6	69.6	66.6	58.7	48.7	37.8	35.8	35.8
120°	64.6	63.6	62.6	61.6	61.6	57.7	50.7	40.8	32.8	31.8	31.8
122.5°	55.7	55.7	54.7	54.7	53.7	49.7	43.7	34.8	28.8	27.8	27.8
125°	48.7	48.7	47.7	47.7	46.7	43.7	37.8	29.8	24.9	24.9	24.9
127.5°	42.8	42.8	41.8	41.8	40.8	36.8	31.8	24.9	21.9	21.9	22.9
130°	37.8	37.8	36.8	35.8	34.8	31.8	25.8	20.9	18.9	19.9	19.9
132.5°	32.8	31.8	31.8	30.8	28.8	25.8	21.9	17.9	16.9	17.9	17.9
135°	27.8	27.8	26.8	25.8	23.9	21.9	17.9	14.9	14.9	15.9	15.9
137.5°	23.9	23.9	22.9	20.9	19.9	16.9	13.9	11.9	12.9	13.9	13.9
140°	18.9	19.9	18.9	16.9	14.9	12.9	10.9	9.9	10.9	11.9	12.9
142.5°	15.9	15.9	14.9	12.9	10.9	8.9	8.0	8.0	9.9	10.9	10.9
145°	11.9	11.9	10.9	9.9	7.0	6.0	5.0	7.0	8.0	8.9	8.9
147.5°	8.0	8.0	8.0	6.0	4.0	3.0	3.0	5.0	7.0	7.0	7.0
150°	5.0	5.0	5.0	4.0	2.0	1.0	2.0	4.0	5.0	6.0	6.0
152.5°	3.0	3.0	3.0	2.0	1.0	0.0	1.0	3.0	4.0	4.0	4.0
155°	2.0	2.0	2.0	1.0	1.0	0.0	1.0	2.0	3.0	3.0	3.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0
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)