

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: P416304

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416304
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-PA1-70-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7086 lumens
Efficiency: N/A
Efficacy: 95.8 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 - G3

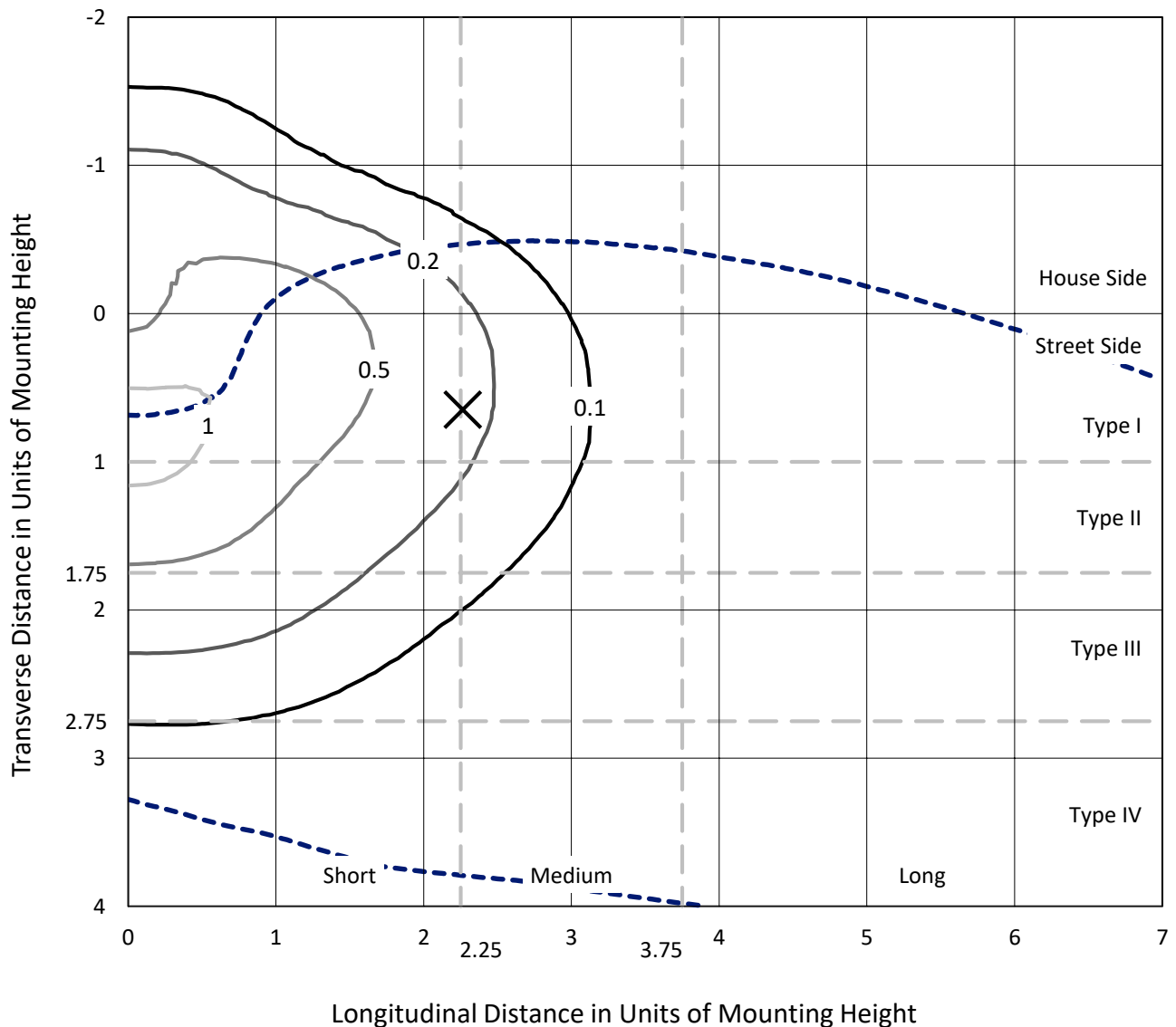
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

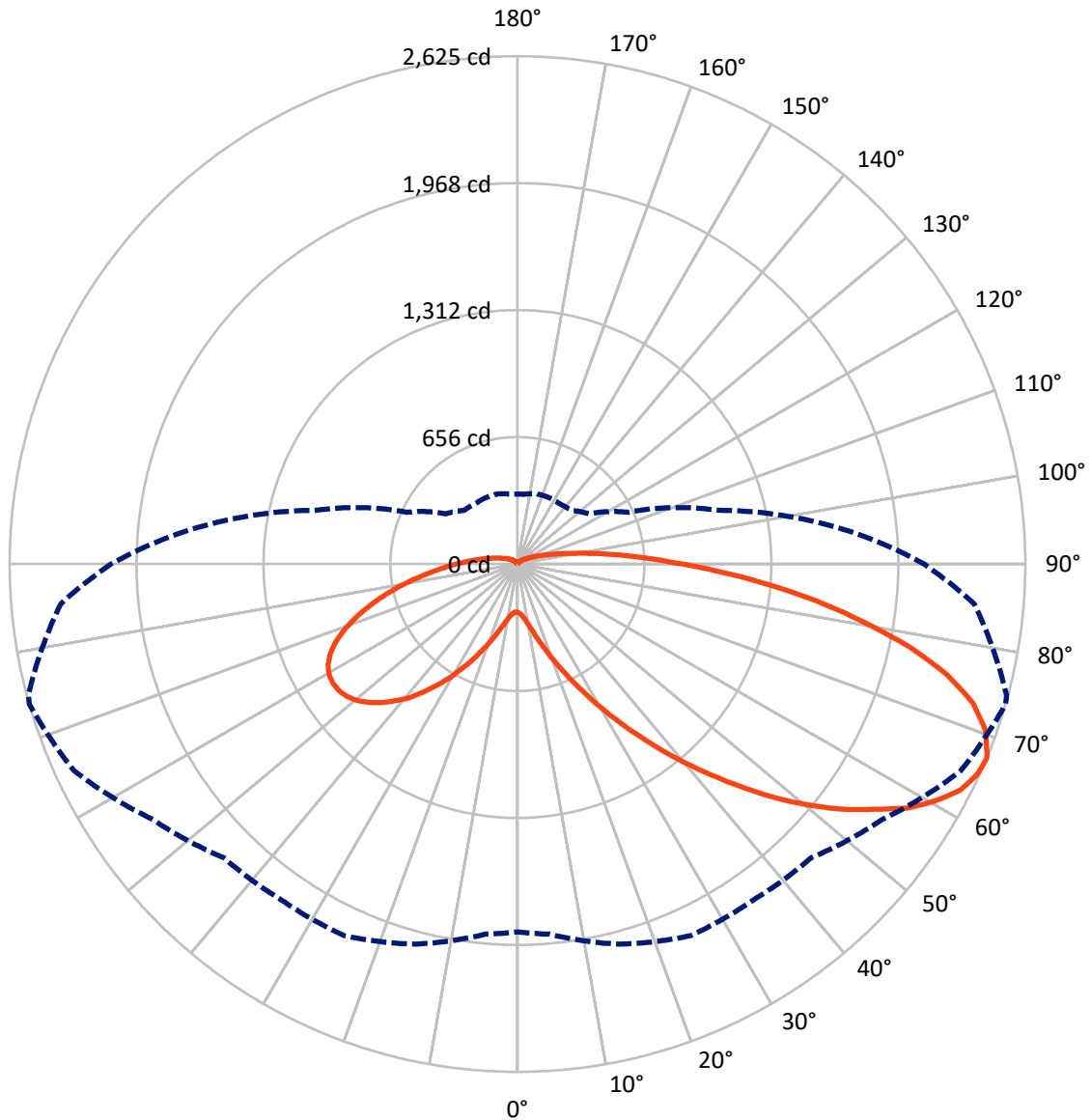
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1708.1	211.3	1919.4
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4798.8	367.8	5166.6
	% Fixture	67.7	5.2	72.9
Total	Lumens	6506.9	579.1	7086.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	0.4
10°-20°	108.8	1.5
20°-30°	275.3	3.9
30°-40°	552.3	7.8
40°-50°	927.1	13.1
50°-60°	1300.6	18.4
60°-70°	1453.7	20.5
70°-80°	1186.0	16.7
80°-90°	677.0	9.6
90°-100°	309.4	4.4
100°-110°	141.6	2.0
110°-120°	69.8	1.0
120°-130°	35.5	0.5
130°-140°	16.5	0.2
140°-150°	5.4	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6506.9	91.8
0°-180°	7086.0	100.0

Coefficient of Utilization



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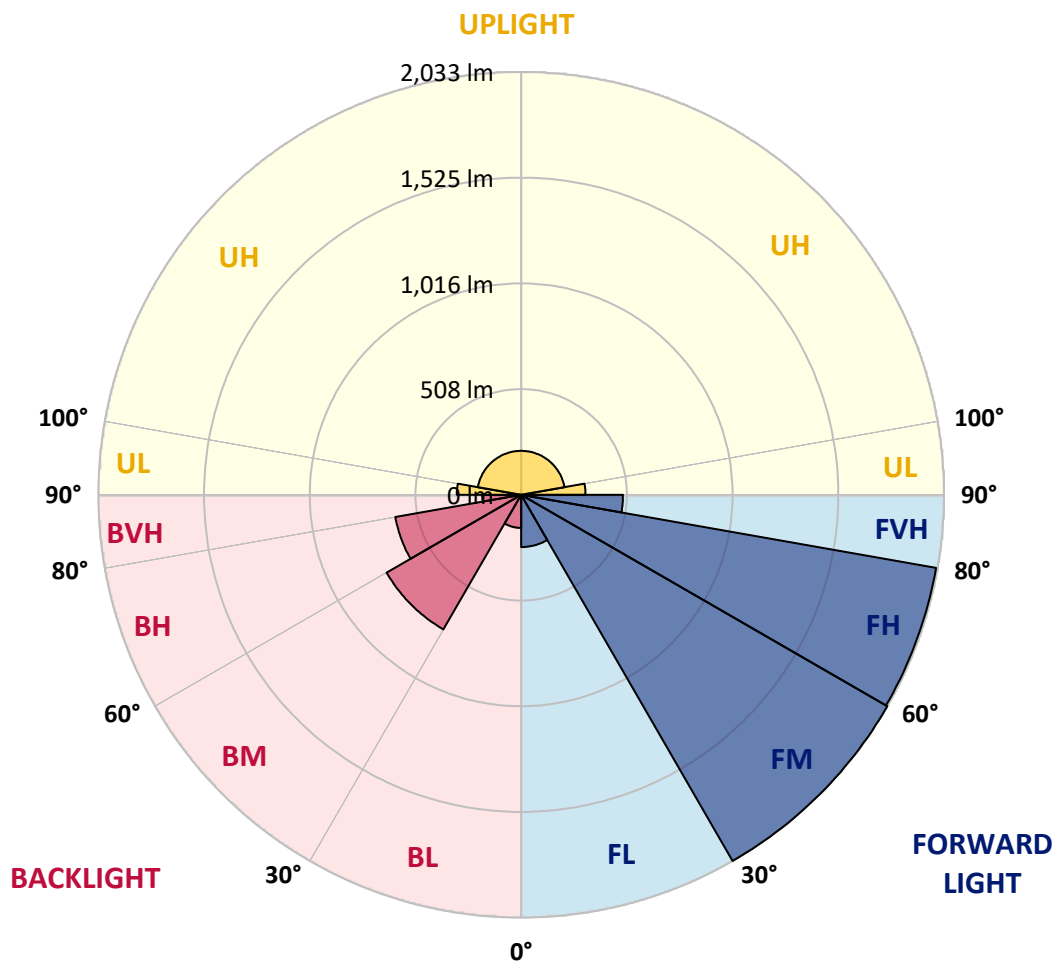
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.1	3.5			
FM	(30°-60°)	2032.8	28.7			
FH	(60°-80°)	2025.5	28.6			G2/5000
FVH	(80°-90°)	489.5	6.9			G3/500
BL	(0°-30°)	159.2	2.2	B1/500		
BM	(30°-60°)	747.2	10.5	B1/1000		
BH	(60°-80°)	614.2	8.7	B2/1000		G2/1000
BVH	(80°-90°)	187.5	2.6			G2/225
UL	(90°-100°)	309.4	4.4		U3/500	
UH	(100°-180°)	211.3	3.0		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	271.6	270.0	270.0	268.3	267.5	264.1	261.6	258.3	256.6	255.8	253.3
5°	296.6	294.1	294.1	292.5	289.1	285.0	279.1	275.8	270.0	270.8	263.3
7.5°	326.6	325.8	324.1	320.8	316.6	311.6	305.8	298.3	291.6	291.6	282.5
10°	366.6	361.6	361.6	357.4	353.3	345.8	337.5	329.1	320.0	319.1	306.6
12.5°	414.9	414.1	409.1	403.3	396.6	389.1	375.8	367.4	358.3	357.4	344.1
15°	471.6	469.1	462.4	459.9	449.9	436.6	425.8	417.4	408.3	404.9	387.4
17.5°	538.3	534.9	532.4	519.9	511.6	500.8	488.3	477.4	461.6	459.9	440.8
20°	616.6	609.1	601.6	591.6	578.3	568.3	554.9	544.9	526.6	526.6	500.8
22.5°	699.1	697.4	690.7	674.1	655.7	645.7	633.2	613.2	598.2	594.1	565.8
25°	799.1	797.4	784.1	766.6	747.4	732.4	712.4	690.7	678.2	677.4	645.7
27.5°	912.4	914.9	891.5	869.0	843.2	819.1	797.4	786.6	769.9	767.4	730.7
30°	1049.0	1038.2	1014.0	981.5	945.7	914.9	892.4	881.5	870.7	869.9	825.7
32.5°	1188.2	1175.7	1154.8	1109.8	1059.9	1012.4	1001.5	992.4	979.9	973.2	929.0
35°	1342.3	1332.3	1302.3	1243.2	1176.5	1124.8	1102.3	1104.0	1098.2	1094.8	1041.5
37.5°	1512.3	1494.8	1454.0	1396.5	1298.2	1242.3	1216.5	1230.7	1227.3	1220.7	1164.8
40°	1672.3	1669.8	1626.4	1537.3	1438.1	1359.0	1341.5	1365.6	1361.5	1353.1	1291.5
42.5°	1857.2	1838.9	1790.6	1690.6	1570.6	1483.1	1464.0	1499.8	1504.8	1506.5	1424.0
45°	2015.5	2007.2	1961.4	1846.4	1708.1	1613.1	1597.3	1635.6	1652.3	1653.9	1563.1
47.5°	2169.7	2166.4	2119.7	2000.6	1842.2	1741.4	1720.6	1775.6	1810.6	1803.1	1695.6
50°	2285.5	2291.3	2253.8	2140.5	1975.6	1855.6	1860.6	1928.1	1960.6	1956.4	1837.2
52.5°	2384.7	2376.3	2360.5	2253.0	2081.4	1971.4	1977.2	2058.0	2106.4	2103.9	1971.4
55°	2421.3	2418.8	2420.5	2333.0	2168.0	2066.4	2083.9	2198.0	2238.0	2233.0	2080.5
57.5°	2413.8	2412.2	2438.0	2380.5	2238.0	2141.4	2181.4	2313.0	2378.8	2372.2	2195.5
60°	2357.2	2349.7	2405.5	2384.7	2266.3	2188.0	2258.0	2413.8	2484.6	2483.0	2289.7
62.5°	2229.7	2241.4	2318.8	2338.0	2258.0	2212.2	2303.8	2492.1	2571.3	2565.5	2357.2
65°	2052.2	2081.4	2174.7	2241.4	2201.4	2190.5	2320.5	2527.1	2614.6	2613.8	2381.3
67°	1900.6	1920.6	2033.9	2118.9	2121.4	2146.4	2301.3	2528.0	2624.6	2617.1	2369.7
67.5°	1847.2	1873.9	1988.9	2092.2	2103.0	2133.9	2293.8	2526.3	2618.0	2613.8	2363.8
70°	1605.6	1636.4	1762.3	1892.2	1958.9	2025.5	2225.5	2479.7	2564.6	2555.5	2296.3
72.5°	1360.6	1404.0	1523.1	1677.3	1774.7	1884.7	2107.2	2363.0	2463.0	2443.8	2164.7
75°	1125.7	1154.8	1270.7	1437.3	1563.9	1713.1	1945.6	2205.5	2295.5	2279.7	1997.2
77.5°	897.4	924.0	1035.7	1203.2	1346.5	1514.0	1756.4	2008.1	2078.0	2068.9	1784.7
80°	708.2	727.4	834.9	984.0	1131.5	1310.6	1540.6	1765.6	1811.4	1818.1	1550.6
82.5°	544.9	569.9	663.2	794.9	934.0	1104.8	1304.8	1504.0	1554.8	1538.1	1310.6
85°	416.6	437.4	520.8	632.4	771.6	915.7	1094.0	1257.3	1279.8	1260.7	1062.4
87.5°	325.8	341.6	406.6	514.9	625.7	749.1	891.5	1016.5	1028.2	1024.9	850.7
90°	252.5	266.6	320.8	406.6	508.3	614.1	725.7	813.2	807.4	812.4	670.7
92.5°	198.3	205.8	255.0	330.8	415.8	500.8	585.8	644.1	643.2	629.1	523.3
95°	160.8	165.0	207.5	270.8	339.1	406.6	469.9	507.4	505.8	490.8	408.3
97.5°	130.0	132.5	169.1	222.5	280.0	332.5	378.3	404.9	391.6	385.8	320.0
100°	106.7	108.3	140.0	185.8	233.3	278.3	310.8	321.6	303.3	300.0	251.6
102.5°	90.8	91.7	118.3	157.5	195.0	229.1	253.3	258.3	236.6	238.3	198.3
105°	77.5	78.3	99.2	134.1	165.8	191.6	209.1	206.6	189.1	186.6	158.3
107.5°	67.5	68.3	85.0	115.0	142.5	164.1	173.3	167.5	151.6	148.3	127.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	59.2	60.0	73.3	98.3	122.5	140.8	145.8	136.6	122.5	119.1	105.0
112.5°	53.3	53.3	64.2	85.0	106.7	121.6	123.3	114.2	98.3	96.7	87.5
115°	48.3	48.3	56.7	73.3	92.5	104.2	104.2	93.3	80.8	80.0	73.3
117.5°	44.2	44.2	50.0	64.2	80.0	90.0	88.3	78.3	67.5	66.7	63.3
120°	40.8	40.8	45.0	55.8	69.2	76.7	75.0	65.0	56.7	55.8	54.2
122.5°	37.5	38.3	40.8	49.2	60.0	65.8	64.2	55.8	48.3	47.5	47.5
125°	35.0	35.0	36.7	42.5	51.7	56.7	54.2	45.8	40.8	40.8	40.8
127.5°	32.5	32.5	33.3	37.5	44.2	47.5	45.0	38.3	35.8	35.0	35.8
130°	30.0	30.0	30.8	32.5	37.5	39.2	36.7	32.5	30.0	30.0	30.8
132.5°	27.5	27.5	27.5	28.3	30.8	32.5	30.0	26.7	25.8	25.8	26.7
135°	25.0	25.8	25.0	25.0	25.8	25.8	23.3	21.7	21.7	22.5	23.3
137.5°	22.5	22.5	21.7	20.8	20.8	20.0	18.3	17.5	18.3	18.3	19.2
140°	20.0	20.0	19.2	17.5	15.8	15.0	14.2	13.3	15.0	15.0	15.8
142.5°	17.5	17.5	15.8	14.2	11.7	10.0	9.2	10.0	11.7	11.7	12.5
145°	14.2	14.2	13.3	11.7	8.3	6.7	5.8	7.5	8.3	8.3	9.2
147.5°	11.7	10.8	10.0	8.3	5.8	4.2	3.3	5.0	5.8	5.8	6.7
150°	8.3	8.3	7.5	5.8	3.3	1.7	1.7	2.5	3.3	3.3	4.2
152.5°	5.8	5.8	5.0	3.3	1.7	0.0	0.8	1.7	1.7	1.7	2.5
155°	3.3	3.3	3.3	2.5	0.8	0.0	0.0	0.8	0.8	0.8	1.7
157.5°	1.7	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	1.7	0.8	0.8	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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	251.6	250.0	248.3	245.8	244.1	242.5	240.8	240.0	240.0	239.1	240.0
5°	260.8	258.3	253.3	249.1	244.1	240.8	237.5	235.8	234.1	233.3	233.3
7.5°	277.5	274.1	265.8	258.3	250.8	245.0	240.8	236.6	235.0	234.1	234.1
10°	301.6	296.6	284.1	273.3	262.5	255.0	247.5	243.3	240.8	239.1	239.1
12.5°	335.8	327.5	311.6	293.3	279.1	269.1	260.0	255.8	255.0	255.0	255.0
15°	381.6	369.9	345.8	324.1	303.3	285.8	279.1	279.1	278.3	277.5	278.3
17.5°	429.1	415.8	385.8	358.3	332.5	315.0	304.1	301.6	300.8	300.0	300.8
20°	485.8	469.1	434.1	396.6	364.1	347.5	332.5	325.8	325.0	325.8	324.1
22.5°	549.9	531.6	479.9	434.9	399.1	375.8	358.3	349.1	350.8	350.8	350.0
25°	627.4	599.1	538.3	477.4	434.1	401.6	381.6	372.4	373.3	374.9	376.6
27.5°	705.7	673.2	595.7	521.6	464.9	427.4	404.1	394.1	393.3	398.3	397.4
30°	797.4	755.7	659.1	566.6	493.3	445.8	421.6	413.3	412.4	416.6	417.4
32.5°	895.7	844.0	724.9	611.6	518.3	461.6	434.1	428.3	426.6	430.8	431.6
35°	1003.2	937.4	789.1	650.7	539.1	472.4	444.1	437.4	434.9	439.1	440.8
37.5°	1107.3	1030.7	854.9	685.7	555.8	479.1	448.3	443.3	439.9	442.4	443.3
40°	1217.3	1135.7	921.5	717.4	565.8	482.4	449.9	444.9	441.6	441.6	441.6
42.5°	1338.1	1232.3	975.7	739.9	571.6	481.6	448.3	442.4	438.3	434.9	434.9
45°	1462.3	1336.5	1031.5	758.2	572.4	477.4	444.1	439.1	432.4	425.8	424.9
47.5°	1583.1	1430.6	1080.7	768.2	569.9	471.6	438.3	431.6	425.8	415.8	415.8
50°	1700.6	1524.8	1121.5	773.2	562.4	464.9	432.4	425.8	418.3	404.9	403.3
52.5°	1808.1	1610.6	1152.3	771.6	551.6	455.8	424.9	419.1	409.9	394.1	394.1
55°	1913.9	1689.8	1171.5	760.7	538.3	445.8	418.3	412.4	402.4	385.8	384.1
57.5°	2000.6	1746.4	1179.0	744.1	523.3	434.9	411.6	405.8	396.6	378.3	378.3
60°	2073.9	1793.9	1174.0	722.4	506.6	424.9	403.3	399.9	391.6	374.1	374.1
62.5°	2116.4	1813.1	1154.8	694.9	487.4	414.1	395.8	394.1	386.6	369.9	369.9
65°	2125.5	1800.6	1115.7	660.7	468.3	401.6	387.4	386.6	381.6	365.8	364.1
67°	2100.5	1768.1	1072.3	631.6	451.6	391.6	379.9	379.9	375.8	361.6	360.8
67.5°	2091.4	1755.6	1060.7	624.1	448.3	389.9	378.3	379.1	374.9	360.8	358.3
70°	2011.4	1671.4	989.0	581.6	424.9	374.9	367.4	368.3	364.9	354.1	351.6
72.5°	1887.2	1550.6	904.9	540.8	401.6	359.9	352.5	355.8	352.5	344.1	339.1
75°	1719.8	1403.1	817.4	494.1	378.3	341.6	336.6	338.3	337.5	329.1	325.0
77.5°	1522.3	1240.7	724.1	450.8	352.5	323.3	318.3	320.8	319.1	311.6	306.6
80°	1308.1	1069.0	634.1	407.4	325.8	302.5	297.5	298.3	297.5	290.0	283.3
82.5°	1098.2	900.7	542.4	364.9	300.0	280.0	274.1	273.3	271.6	263.3	258.3
85°	906.5	739.9	463.3	324.1	273.3	255.0	250.0	246.6	244.1	235.0	231.6
87.5°	722.4	604.9	391.6	289.1	246.6	231.6	225.0	219.1	215.0	206.6	203.3
90°	576.6	487.4	334.1	253.3	222.5	209.1	200.0	192.5	187.5	178.3	173.3
92.5°	457.4	388.3	280.8	222.5	199.1	187.5	179.1	170.0	163.3	151.6	149.1
95°	362.4	312.5	236.6	195.0	176.6	166.6	159.1	149.1	140.0	128.3	125.8
97.5°	286.6	255.0	199.1	170.8	155.8	147.5	140.0	130.0	120.0	108.3	106.7
100°	229.1	205.0	170.8	149.1	139.1	130.8	123.3	114.2	101.7	90.0	90.0
102.5°	184.1	168.3	143.3	130.8	122.5	115.8	109.2	100.0	86.7	74.2	74.2
105°	149.1	139.1	123.3	114.2	108.3	103.3	96.7	85.8	72.5	62.5	62.5
107.5°	122.5	115.0	105.8	99.2	95.8	90.8	85.0	74.2	61.7	52.5	52.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	101.7	96.7	90.0	87.5	85.0	80.8	74.2	64.2	51.7	45.0	45.0
112.5°	85.0	82.5	77.5	76.7	75.0	71.7	65.0	55.0	43.3	39.2	39.2
115°	72.5	70.8	67.5	67.5	65.8	63.3	56.7	47.5	37.5	33.3	34.2
117.5°	61.7	60.8	59.2	59.2	58.3	55.8	49.2	40.8	31.7	30.0	30.0
120°	54.2	53.3	52.5	51.7	51.7	48.3	42.5	34.2	27.5	26.7	26.7
122.5°	46.7	46.7	45.8	45.8	45.0	41.7	36.7	29.2	24.2	23.3	23.3
125°	40.8	40.8	40.0	40.0	39.2	36.7	31.7	25.0	20.8	20.8	20.8
127.5°	35.8	35.8	35.0	35.0	34.2	30.8	26.7	20.8	18.3	18.3	19.2
130°	31.7	31.7	30.8	30.0	29.2	26.7	21.7	17.5	15.8	16.7	16.7
132.5°	27.5	26.7	26.7	25.8	24.2	21.7	18.3	15.0	14.2	15.0	15.0
135°	23.3	23.3	22.5	21.7	20.0	18.3	15.0	12.5	12.5	13.3	13.3
137.5°	20.0	20.0	19.2	17.5	16.7	14.2	11.7	10.0	10.8	11.7	11.7
140°	15.8	16.7	15.8	14.2	12.5	10.8	9.2	8.3	9.2	10.0	10.8
142.5°	13.3	13.3	12.5	10.8	9.2	7.5	6.7	6.7	8.3	9.2	9.2
145°	10.0	10.0	9.2	8.3	5.8	5.0	4.2	5.8	6.7	7.5	7.5
147.5°	6.7	6.7	6.7	5.0	3.3	2.5	2.5	4.2	5.8	5.8	5.8
150°	4.2	4.2	4.2	3.3	1.7	0.8	1.7	3.3	4.2	5.0	5.0
152.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.8	2.5	3.3	3.3	3.3
155°	1.7	1.7	1.7	0.8	0.8	0.0	0.8	1.7	2.5	2.5	2.5
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.7	0.8	0.8
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)