

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: P415940

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415940
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-PA1-60-740-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6937 lumens
Efficiency: N/A
Efficacy: 108.4 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

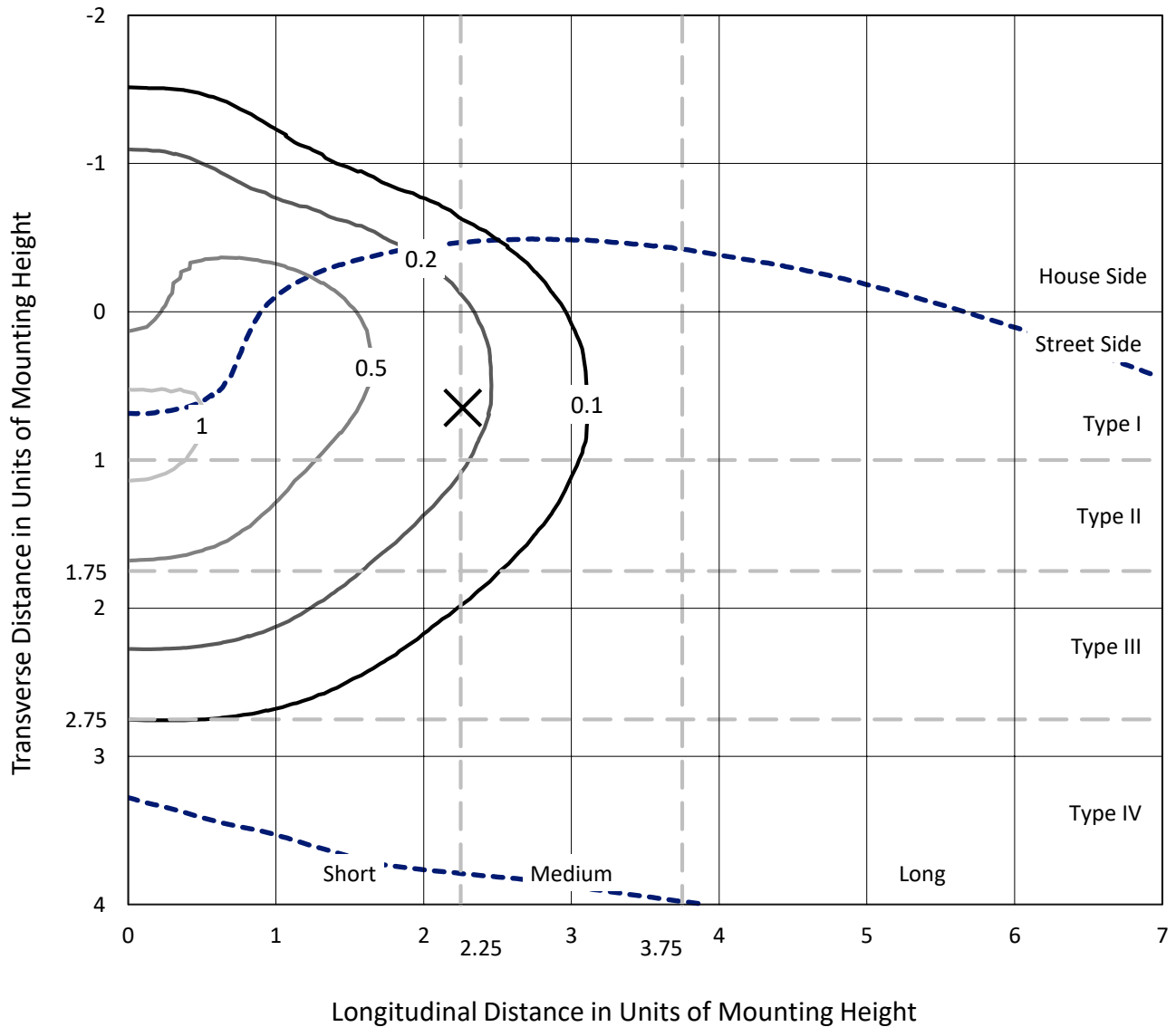
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

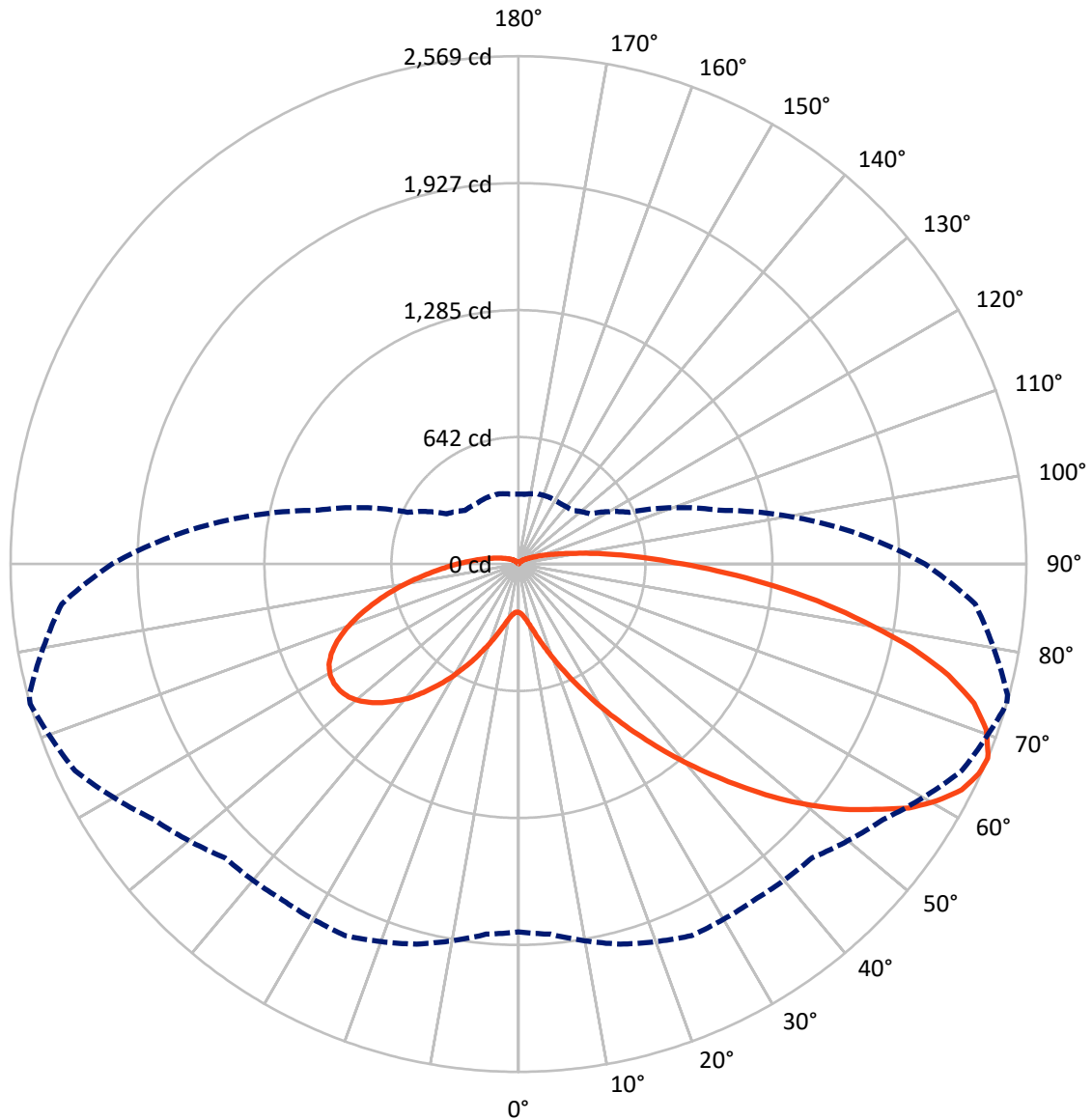


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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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	1672.2	206.8	1879.0
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4697.9	360.1	5058.0
	% Fixture	67.7	5.2	72.9
Total	Lumens	6370.1	566.9	6937.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.4
10°-20°	106.5	1.5
20°-30°	269.5	3.9
30°-40°	540.7	7.8
40°-50°	907.6	13.1
50°-60°	1273.3	18.4
60°-70°	1423.1	20.5
70°-80°	1161.0	16.7
80°-90°	662.8	9.6
90°-100°	302.9	4.4
100°-110°	138.6	2.0
110°-120°	68.3	1.0
120°-130°	34.8	0.5
130°-140°	16.1	0.2
140°-150°	5.3	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6370.1	91.8
0°-180°	6937.0	100.0



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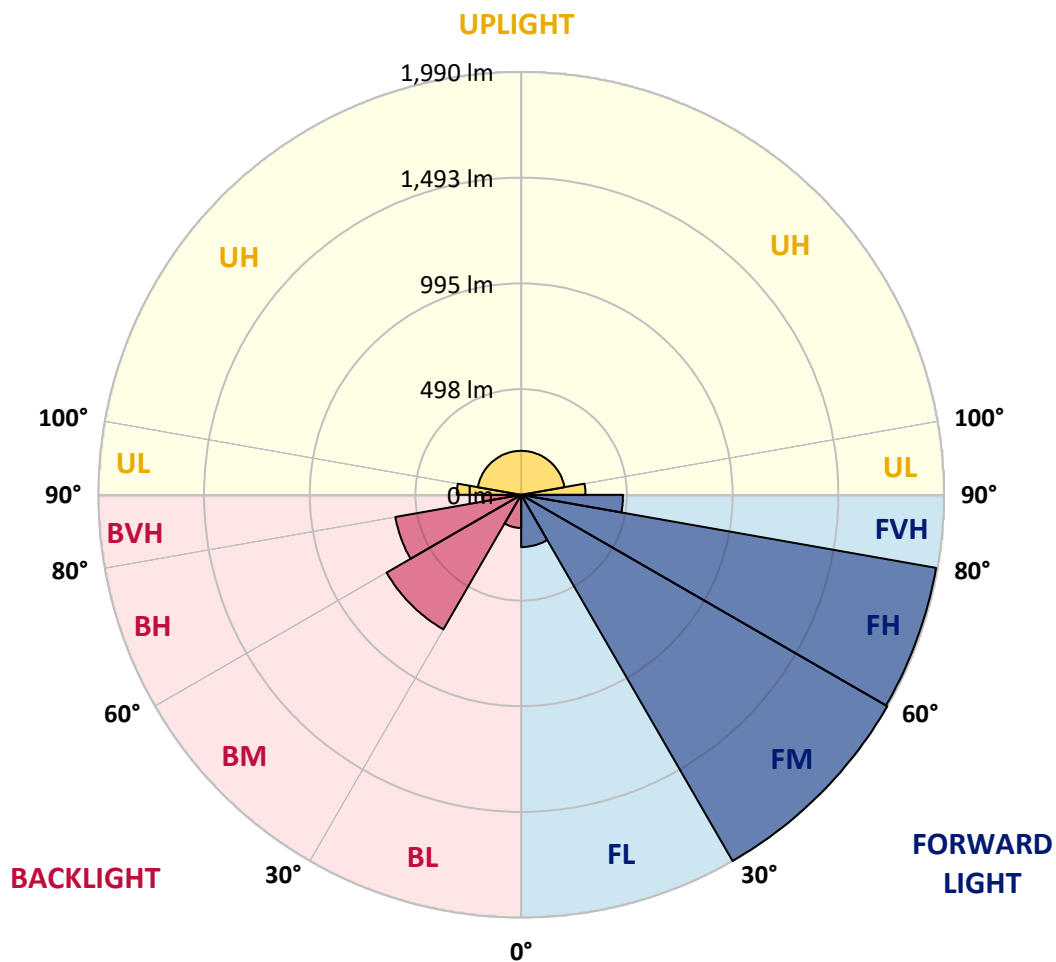
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.8	3.5			
FM	(30°-60°)	1990.0	28.7			
FH	(60°-80°)	1982.9	28.6			G2/5000
FVH	(80°-90°)	479.2	6.9			G3/500
BL	(0°-30°)	155.8	2.2	B1/500		
BM	(30°-60°)	731.5	10.5	B1/1000		
BH	(60°-80°)	601.3	8.7	B2/1000		G2/1000
BVH	(80°-90°)	183.6	2.6			G2/225
UL	(90°-100°)	302.9	4.4		U3/500	
UH	(100°-180°)	206.8	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°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	265.9	264.3	264.3	262.7	261.8	258.6	256.1	252.9	251.2	250.4	248.0
5°	290.4	287.9	287.9	286.3	283.0	279.0	273.3	270.0	264.3	265.1	257.8
7.5°	319.8	318.9	317.3	314.0	310.0	305.1	299.4	292.0	285.5	285.5	276.5
10°	358.9	354.0	354.0	349.9	345.9	338.5	330.4	322.2	313.2	312.4	300.2
12.5°	406.2	405.4	400.5	394.8	388.3	380.9	367.9	359.7	350.7	349.9	336.9
15°	461.7	459.2	452.7	450.3	440.5	427.4	416.8	408.7	399.7	396.4	379.3
17.5°	526.9	523.7	521.2	509.0	500.8	490.2	478.0	467.4	451.9	450.3	431.5
20°	603.6	596.3	588.9	579.1	566.1	556.3	543.3	533.5	515.5	515.5	490.2
22.5°	684.4	682.7	676.2	659.9	642.0	632.2	619.9	600.4	585.7	581.6	553.9
25°	782.3	780.6	767.6	750.4	731.7	717.0	697.4	676.2	664.0	663.2	632.2
27.5°	893.2	895.6	872.8	850.8	825.5	801.8	780.6	770.0	753.7	751.3	715.4
30°	1027.0	1016.4	992.7	960.9	925.8	895.6	873.6	863.0	852.4	851.6	808.4
32.5°	1163.2	1150.9	1130.6	1086.5	1037.6	991.1	980.5	971.5	959.3	952.7	909.5
35°	1314.1	1304.3	1274.9	1217.0	1151.8	1101.2	1079.2	1080.8	1075.1	1071.8	1019.6
37.5°	1480.5	1463.4	1423.4	1367.1	1270.9	1216.2	1190.9	1204.8	1201.5	1195.0	1140.3
40°	1637.1	1634.7	1592.2	1505.0	1407.9	1330.4	1313.3	1336.9	1332.8	1324.7	1264.3
42.5°	1818.2	1800.2	1752.9	1655.0	1537.6	1451.9	1433.2	1468.3	1473.1	1474.8	1394.0
45°	1973.2	1965.0	1920.1	1807.6	1672.2	1579.2	1563.7	1601.2	1617.5	1619.2	1530.2
47.5°	2124.1	2120.8	2075.1	1958.5	1803.5	1704.8	1684.4	1738.2	1772.5	1765.2	1659.9
50°	2237.5	2243.2	2206.5	2095.5	1934.0	1816.6	1821.4	1887.5	1919.3	1915.3	1798.6
52.5°	2334.5	2326.4	2310.9	2205.6	2037.6	1929.9	1935.6	2014.8	2062.1	2059.6	1929.9
55°	2370.4	2368.0	2369.6	2283.9	2122.4	2022.9	2040.1	2151.8	2191.0	2186.1	2036.8
57.5°	2363.1	2361.4	2386.7	2330.4	2191.0	2096.3	2135.5	2264.4	2328.8	2322.3	2149.4
60°	2307.6	2300.3	2354.9	2334.5	2218.7	2142.0	2210.5	2363.1	2432.4	2430.8	2241.5
62.5°	2182.8	2194.2	2270.1	2288.8	2210.5	2165.7	2255.4	2439.7	2517.2	2511.5	2307.6
65°	2009.1	2037.6	2129.0	2194.2	2155.1	2144.5	2271.7	2474.0	2559.7	2558.8	2331.3
67°	1860.6	1880.2	1991.1	2074.3	2076.8	2101.2	2253.0	2474.8	2569.4	2562.1	2319.8
67.5°	1808.4	1834.5	1947.1	2048.2	2058.8	2089.0	2245.6	2473.2	2562.9	2558.8	2314.1
70°	1571.8	1602.0	1725.2	1852.4	1917.7	1983.0	2178.7	2427.5	2510.7	2501.7	2248.1
72.5°	1332.0	1374.4	1491.1	1642.0	1737.4	1845.1	2062.9	2313.3	2411.2	2392.4	2119.2
75°	1102.0	1130.6	1243.9	1407.1	1531.1	1677.1	1904.6	2159.1	2247.2	2231.7	1955.2
77.5°	878.5	904.6	1013.9	1177.9	1318.2	1482.1	1719.5	1965.8	2034.3	2025.4	1747.2
80°	693.3	712.1	817.3	963.3	1107.7	1283.1	1508.2	1728.5	1773.3	1779.8	1518.0
82.5°	533.5	557.9	649.3	778.2	914.4	1081.6	1277.4	1472.3	1522.1	1505.8	1283.1
85°	407.8	428.2	509.8	619.1	755.3	896.4	1071.0	1230.9	1252.9	1234.1	1040.0
87.5°	318.9	334.4	398.1	504.1	612.6	733.3	872.8	995.1	1006.6	1003.3	832.8
90°	247.2	261.0	314.0	398.1	497.6	601.2	710.5	796.1	790.4	795.3	656.6
92.5°	194.1	201.5	249.6	323.8	407.0	490.2	573.4	630.5	629.7	615.9	512.3
95°	157.4	161.5	203.1	265.1	332.0	398.1	460.1	496.8	495.1	480.4	399.7
97.5°	127.2	129.7	165.6	217.8	274.1	325.5	370.3	396.4	383.4	377.7	313.2
100°	104.4	106.0	137.0	181.9	228.4	272.4	304.3	314.9	296.9	293.7	246.3
102.5°	88.9	89.7	115.8	154.2	190.9	224.3	248.0	252.9	231.7	233.3	194.1
105°	75.9	76.7	97.1	131.3	162.3	187.6	204.7	202.3	185.2	182.7	155.0
107.5°	66.1	66.9	83.2	112.6	139.5	160.7	169.7	164.0	148.5	145.2	124.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	57.9	58.7	71.8	96.3	119.9	137.9	142.7	133.8	119.9	116.6	102.8
112.5°	52.2	52.2	62.8	83.2	104.4	119.1	120.7	111.8	96.3	94.6	85.6
115°	47.3	47.3	55.5	71.8	90.5	102.0	102.0	91.4	79.1	78.3	71.8
117.5°	43.2	43.2	48.9	62.8	78.3	88.1	86.5	76.7	66.1	65.3	62.0
120°	40.0	40.0	44.0	54.7	67.7	75.0	73.4	63.6	55.5	54.7	53.0
122.5°	36.7	37.5	40.0	48.1	58.7	64.4	62.8	54.7	47.3	46.5	46.5
125°	34.3	34.3	35.9	41.6	50.6	55.5	53.0	44.9	40.0	40.0	40.0
127.5°	31.8	31.8	32.6	36.7	43.2	46.5	44.0	37.5	35.1	34.3	35.1
130°	29.4	29.4	30.2	31.8	36.7	38.3	35.9	31.8	29.4	29.4	30.2
132.5°	26.9	26.9	26.9	27.7	30.2	31.8	29.4	26.1	25.3	25.3	26.1
135°	24.5	25.3	24.5	24.5	25.3	25.3	22.8	21.2	21.2	22.0	22.8
137.5°	22.0	22.0	21.2	20.4	20.4	19.6	17.9	17.1	17.9	17.9	18.8
140°	19.6	19.6	18.8	17.1	15.5	14.7	13.9	13.1	14.7	14.7	15.5
142.5°	17.1	17.1	15.5	13.9	11.4	9.8	9.0	9.8	11.4	11.4	12.2
145°	13.9	13.9	13.1	11.4	8.2	6.5	5.7	7.3	8.2	8.2	9.0
147.5°	11.4	10.6	9.8	8.2	5.7	4.1	3.3	4.9	5.7	5.7	6.5
150°	8.2	8.2	7.3	5.7	3.3	1.6	1.6	2.4	3.3	3.3	4.1
152.5°	5.7	5.7	4.9	3.3	1.6	0.0	0.8	1.6	1.6	1.6	2.4
155°	3.3	3.3	3.3	2.4	0.8	0.0	0.0	0.8	0.8	0.8	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	1.6	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°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	246.3	244.7	243.1	240.6	239.0	237.4	235.7	234.9	234.9	234.1	234.9
5°	255.3	252.9	248.0	243.9	239.0	235.7	232.5	230.8	229.2	228.4	228.4
7.5°	271.6	268.4	260.2	252.9	245.5	239.8	235.7	231.7	230.0	229.2	229.2
10°	295.3	290.4	278.2	267.5	256.9	249.6	242.3	238.2	235.7	234.1	234.1
12.5°	328.7	320.6	305.1	287.1	273.3	263.5	254.5	250.4	249.6	249.6	249.6
15°	373.6	362.2	338.5	317.3	296.9	279.8	273.3	273.3	272.4	271.6	272.4
17.5°	420.1	407.0	377.7	350.7	325.5	308.3	297.7	295.3	294.5	293.7	294.5
20°	475.6	459.2	425.0	388.3	356.5	340.1	325.5	318.9	318.1	318.9	317.3
22.5°	538.4	520.4	469.8	425.8	390.7	367.9	350.7	341.8	343.4	343.4	342.6
25°	614.2	586.5	526.9	467.4	425.0	393.2	373.6	364.6	365.4	367.1	368.7
27.5°	690.9	659.1	583.2	510.6	455.2	418.5	395.6	385.8	385.0	389.9	389.1
30°	780.6	739.8	645.2	554.7	482.9	436.4	412.7	404.6	403.8	407.8	408.7
32.5°	876.9	826.3	709.7	598.7	507.4	451.9	425.0	419.3	417.6	421.7	422.5
35°	982.1	917.7	772.5	637.1	527.8	462.5	434.8	428.2	425.8	429.9	431.5
37.5°	1084.1	1009.0	836.9	671.3	544.1	469.0	438.8	434.0	430.7	433.1	434.0
40°	1191.7	1111.8	902.2	702.3	553.9	472.3	440.5	435.6	432.3	432.3	432.3
42.5°	1310.0	1206.4	955.2	724.3	559.6	471.5	438.8	433.1	429.1	425.8	425.8
45°	1431.5	1308.4	1009.8	742.3	560.4	467.4	434.8	429.9	423.3	416.8	416.0
47.5°	1549.8	1400.5	1058.0	752.1	557.9	461.7	429.1	422.5	416.8	407.0	407.0
50°	1664.8	1492.7	1097.9	757.0	550.6	455.2	423.3	416.8	409.5	396.4	394.8
52.5°	1770.1	1576.7	1128.1	755.3	540.0	446.2	416.0	410.3	401.3	385.8	385.8
55°	1873.7	1654.2	1146.9	744.7	526.9	436.4	409.5	403.8	394.0	377.7	376.0
57.5°	1958.5	1709.7	1154.2	728.4	512.3	425.8	403.0	397.2	388.3	370.3	370.3
60°	2030.3	1756.2	1149.3	707.2	495.9	416.0	394.8	391.5	383.4	366.2	366.2
62.5°	2071.9	1775.0	1130.6	680.3	477.2	405.4	387.5	385.8	378.5	362.2	362.2
65°	2080.8	1762.7	1092.2	646.8	458.4	393.2	379.3	378.5	373.6	358.1	356.5
67°	2056.4	1730.9	1049.8	618.3	442.1	383.4	372.0	372.0	367.9	354.0	353.2
67.5°	2047.4	1718.7	1038.4	611.0	438.8	381.7	370.3	371.1	367.1	353.2	350.7
70°	1969.1	1636.3	968.2	569.4	416.0	367.1	359.7	360.5	357.3	346.7	344.2
72.5°	1847.6	1518.0	885.8	529.4	393.2	352.4	345.0	348.3	345.0	336.9	332.0
75°	1683.6	1373.6	800.2	483.7	370.3	334.4	329.5	331.2	330.4	322.2	318.1
77.5°	1490.3	1214.6	708.8	441.3	345.0	316.5	311.6	314.0	312.4	305.1	300.2
80°	1280.6	1046.5	620.7	398.9	318.9	296.1	291.2	292.0	291.2	283.9	277.3
82.5°	1075.1	881.8	531.0	357.3	293.7	274.1	268.4	267.5	265.9	257.8	252.9
85°	887.5	724.3	453.5	317.3	267.5	249.6	244.7	241.4	239.0	230.0	226.8
87.5°	707.2	592.2	383.4	283.0	241.4	226.8	220.2	214.5	210.4	202.3	199.0
90°	564.5	477.2	327.1	248.0	217.8	204.7	195.8	188.4	183.5	174.6	169.7
92.5°	447.8	380.1	274.9	217.8	195.0	183.5	175.4	166.4	159.9	148.5	146.0
95°	354.8	305.9	231.7	190.9	172.9	163.1	155.8	146.0	137.0	125.6	123.2
97.5°	280.6	249.6	195.0	167.2	152.5	144.4	137.0	127.2	117.5	106.0	104.4
100°	224.3	200.7	167.2	146.0	136.2	128.1	120.7	111.8	99.5	88.1	88.1
102.5°	180.3	164.8	140.3	128.1	119.9	113.4	106.9	97.9	84.8	72.6	72.6
105°	146.0	136.2	120.7	111.8	106.0	101.1	94.6	84.0	71.0	61.2	61.2
107.5°	119.9	112.6	103.6	97.1	93.8	88.9	83.2	72.6	60.4	51.4	51.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	99.5	94.6	88.1	85.6	83.2	79.1	72.6	62.8	50.6	44.0	44.0
112.5°	83.2	80.8	75.9	75.0	73.4	70.1	63.6	53.8	42.4	38.3	38.3
115°	71.0	69.3	66.1	66.1	64.4	62.0	55.5	46.5	36.7	32.6	33.4
117.5°	60.4	59.5	57.9	57.9	57.1	54.7	48.1	40.0	31.0	29.4	29.4
120°	53.0	52.2	51.4	50.6	50.6	47.3	41.6	33.4	26.9	26.1	26.1
122.5°	45.7	45.7	44.9	44.9	44.0	40.8	35.9	28.5	23.7	22.8	22.8
125°	40.0	40.0	39.2	39.2	38.3	35.9	31.0	24.5	20.4	20.4	20.4
127.5°	35.1	35.1	34.3	34.3	33.4	30.2	26.1	20.4	17.9	17.9	18.8
130°	31.0	31.0	30.2	29.4	28.5	26.1	21.2	17.1	15.5	16.3	16.3
132.5°	26.9	26.1	26.1	25.3	23.7	21.2	17.9	14.7	13.9	14.7	14.7
135°	22.8	22.8	22.0	21.2	19.6	17.9	14.7	12.2	12.2	13.1	13.1
137.5°	19.6	19.6	18.8	17.1	16.3	13.9	11.4	9.8	10.6	11.4	11.4
140°	15.5	16.3	15.5	13.9	12.2	10.6	9.0	8.2	9.0	9.8	10.6
142.5°	13.1	13.1	12.2	10.6	9.0	7.3	6.5	6.5	8.2	9.0	9.0
145°	9.8	9.8	9.0	8.2	5.7	4.9	4.1	5.7	6.5	7.3	7.3
147.5°	6.5	6.5	6.5	4.9	3.3	2.4	2.4	4.1	5.7	5.7	5.7
150°	4.1	4.1	4.1	3.3	1.6	0.8	1.6	3.3	4.1	4.9	4.9
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.3	3.3	3.3
155°	1.6	1.6	1.6	0.8	0.8	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	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)