

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: P413747

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7739 lumens
Efficiency: N/A
Efficacy: 80.6 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

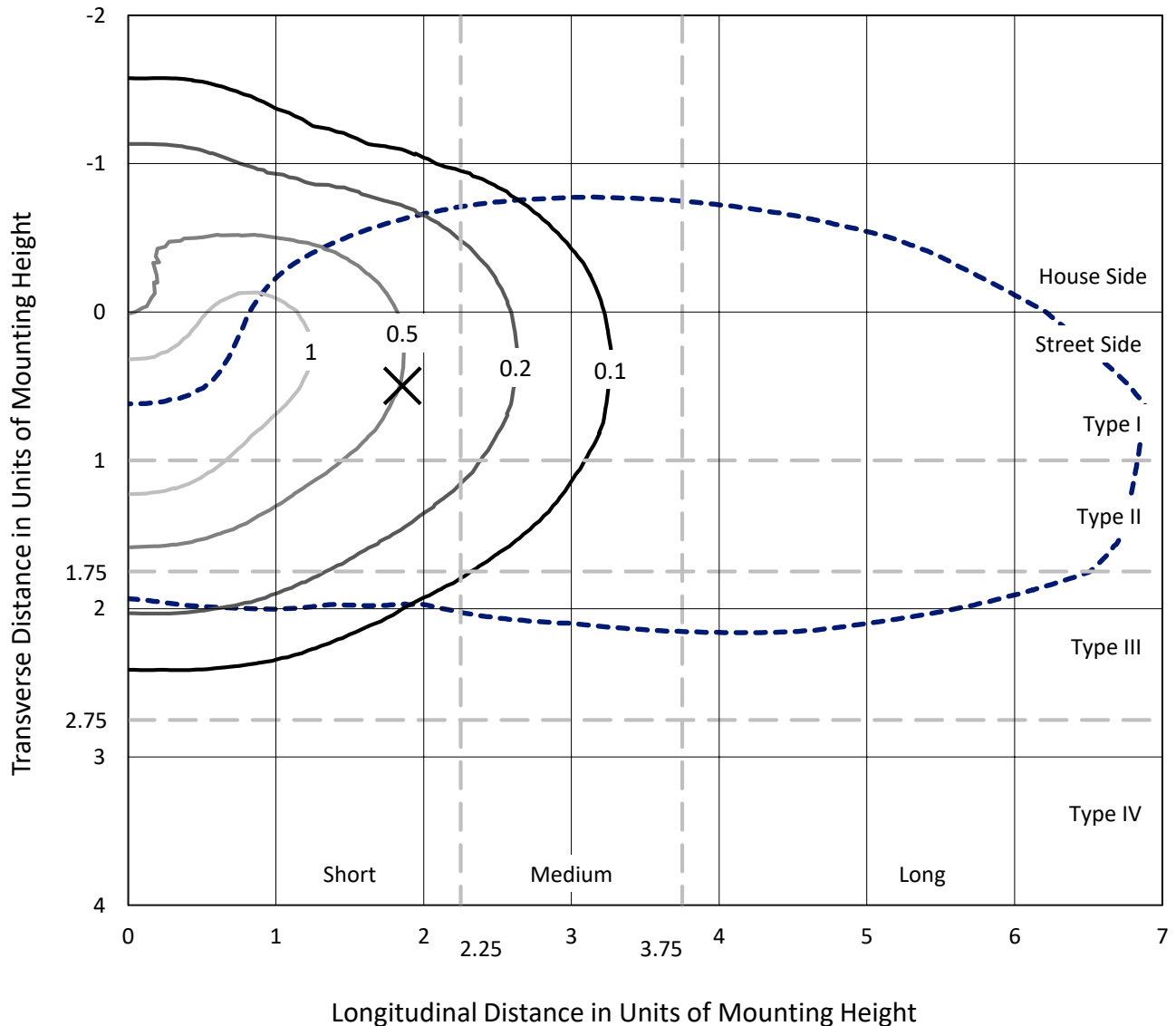
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

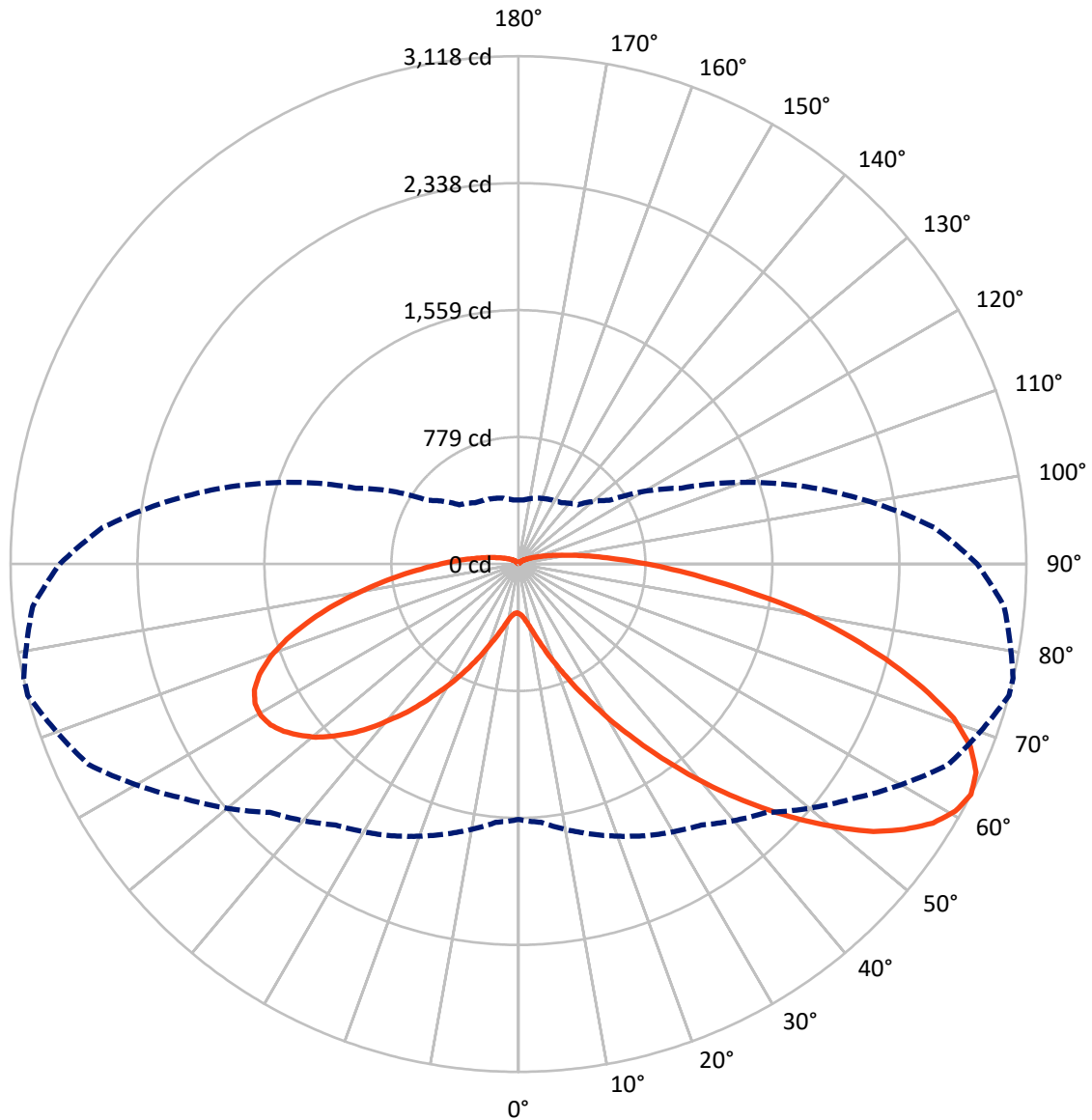
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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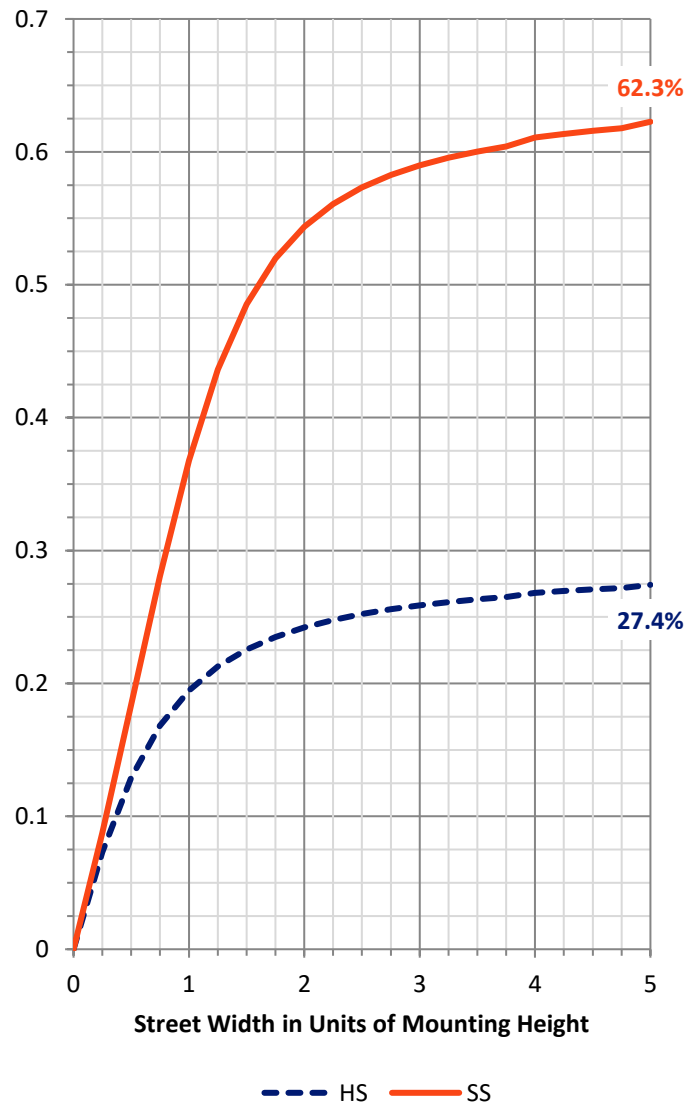
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2213.2	235.3	2448.5
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4967.4	323.1	5290.5
	% Fixture	64.2	4.2	68.4
Total	Lumens	7180.6	558.4	7739.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	0.4
10°-20°	134.6	1.7
20°-30°	348.5	4.5
30°-40°	713.1	9.2
40°-50°	1182.6	15.3
50°-60°	1534.1	19.8
60°-70°	1510.9	19.5
70°-80°	1110.3	14.3
80°-90°	614.4	7.9
90°-100°	290.2	3.7
100°-110°	138.7	1.8
110°-120°	70.7	0.9
120°-130°	36.6	0.5
130°-140°	16.8	0.2
140°-150°	5.0	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7180.6	92.8
0°-180°	7739.0	100.0



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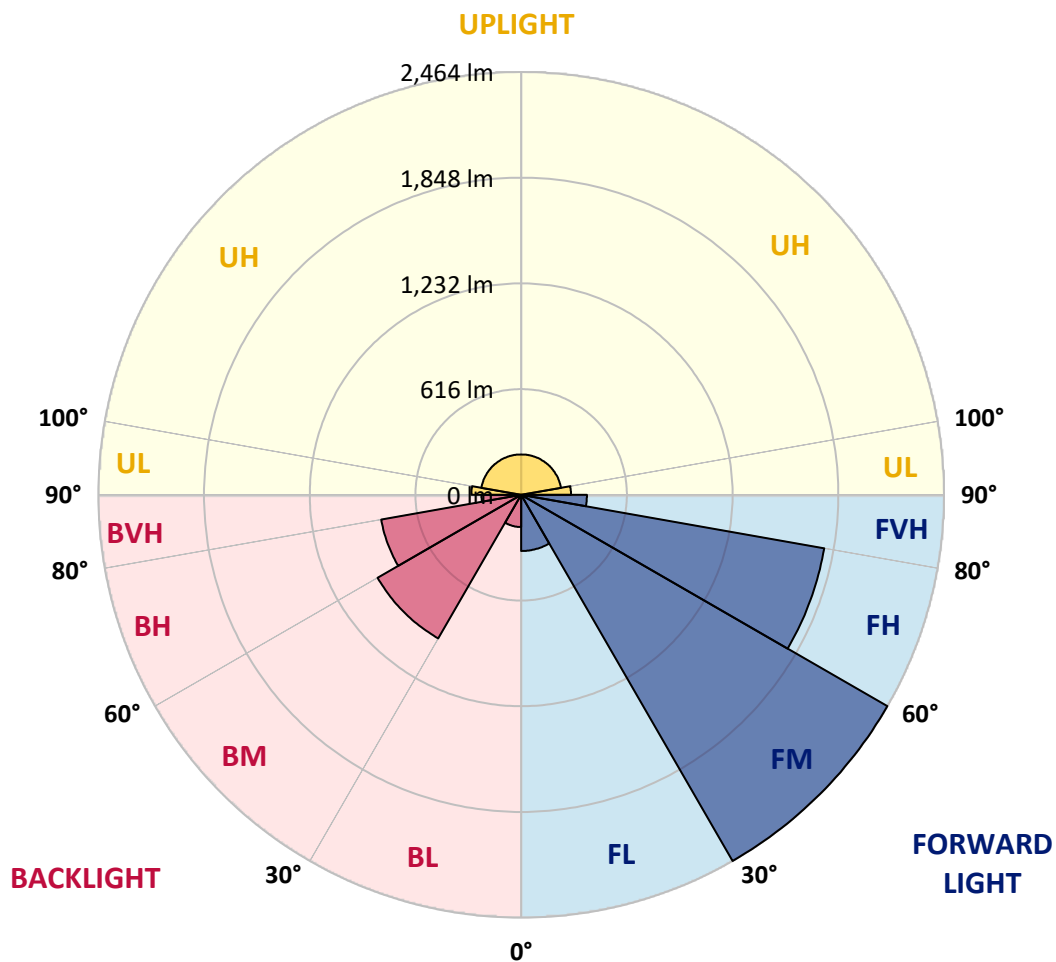
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.4	4.2			
FM	(30°-60°)	2463.7	31.8			
FH	(60°-80°)	1793.3	23.2			G1/1800
FVH	(80°-90°)	383.0	4.9			G3/500
BL	(0°-30°)	187.8	2.4	B1/500		
BM	(30°-60°)	966.0	12.5	B1/1000		
BH	(60°-80°)	827.9	10.7	B2/1000		G2/1000
BVH	(80°-90°)	231.5	3.0			G3/500
UL	(90°-100°)	290.2	3.7		U3/500	
UH	(100°-180°)	235.3	3.0		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°	77°	85°
0°	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0
2.5°	338.7	336.0	334.2	331.4	329.6	325.9	322.3	316.8	312.3	311.3	307.7
5°	374.3	369.8	369.8	365.2	358.8	354.2	346.9	337.8	330.5	325.9	322.3
7.5°	420.0	416.3	411.8	408.1	401.7	393.5	383.5	371.6	357.0	354.2	345.1
10°	471.1	469.3	465.6	458.3	450.1	439.2	425.5	410.9	394.4	391.7	376.2
12.5°	538.7	538.7	533.2	523.2	511.3	491.2	479.3	463.8	444.6	441.9	420.0
15°	621.8	618.1	610.8	593.5	579.8	563.3	548.7	528.6	503.1	498.5	478.4
17.5°	713.1	705.8	702.1	685.7	667.4	647.3	627.2	605.3	577.0	569.7	546.0
20°	815.3	819.9	806.2	787.9	760.5	740.5	717.6	689.3	658.3	652.8	624.5
22.5°	944.1	940.4	921.2	895.7	869.2	847.3	818.1	789.8	747.8	742.3	709.4
25°	1086.5	1082.8	1058.2	1026.2	996.1	956.8	923.1	892.9	858.2	850.0	810.8
27.5°	1226.2	1244.4	1207.0	1167.7	1132.1	1088.3	1048.1	1009.8	970.5	964.1	923.1
30°	1417.0	1421.6	1377.7	1323.9	1275.5	1220.7	1178.7	1144.0	1110.2	1089.2	1051.8
32.5°	1616.0	1601.4	1566.7	1501.0	1424.3	1363.1	1316.6	1284.6	1252.7	1241.7	1186.9
35°	1813.2	1813.2	1759.4	1670.8	1570.4	1508.3	1462.6	1443.5	1414.3	1396.9	1335.7
37.5°	2006.8	2004.1	1949.3	1845.2	1742.0	1657.1	1627.9	1606.0	1585.9	1568.6	1493.7
40°	2197.6	2193.1	2127.3	2026.0	1905.5	1817.8	1794.1	1797.7	1774.0	1750.2	1675.4
42.5°	2351.0	2349.2	2297.1	2195.8	2051.5	1973.9	1950.2	1972.1	1961.2	1938.3	1850.7
45°	2473.4	2465.1	2424.1	2320.9	2190.3	2108.1	2114.5	2167.5	2154.7	2143.8	2035.1
47.5°	2524.5	2523.6	2500.7	2411.3	2290.8	2233.2	2269.8	2343.7	2348.3	2339.1	2217.7
50°	2510.8	2514.4	2512.6	2457.8	2359.2	2330.0	2400.3	2526.3	2540.9	2531.8	2406.7
52.5°	2430.4	2432.3	2462.4	2438.7	2383.0	2391.2	2516.3	2677.9	2729.0	2704.3	2573.8
55°	2260.6	2283.4	2342.8	2356.5	2349.2	2404.9	2585.7	2798.4	2876.0	2867.8	2719.0
57.5°	2085.3	2074.4	2159.3	2225.0	2263.4	2368.4	2608.5	2884.2	3001.1	2990.1	2848.6
60°	1829.7	1846.1	1950.2	2044.2	2125.5	2280.7	2587.5	2929.9	3082.3	3075.9	2943.6
62.5°	1568.6	1592.3	1715.6	1840.6	1956.6	2156.5	2509.0	2912.5	3117.9	3117.0	2993.8
65°	1323.0	1348.5	1461.7	1613.3	1761.2	1988.5	2372.0	2838.6	3087.8	3089.6	2984.6
67.5°	1104.7	1118.4	1237.1	1404.2	1548.5	1791.3	2195.8	2692.5	2992.9	3002.9	2911.6
70°	910.3	920.3	1035.4	1184.2	1351.3	1571.3	1982.2	2505.3	2834.0	2837.6	2780.1
72.5°	746.8	756.0	866.5	998.8	1153.1	1378.7	1762.1	2249.7	2594.8	2631.3	2577.4
75°	597.1	615.4	710.3	839.1	976.9	1177.8	1529.3	1974.8	2326.4	2357.4	2349.2
77.5°	486.6	511.3	587.1	697.5	824.5	998.8	1296.5	1703.7	2042.4	2068.0	2074.4
80°	392.6	410.9	486.6	584.3	692.1	843.6	1083.7	1438.9	1756.6	1759.4	1756.6
82.5°	318.6	332.3	399.9	488.5	583.4	709.4	908.4	1200.6	1440.7	1470.0	1475.4
85°	259.3	269.3	327.8	407.2	487.5	594.4	749.6	980.6	1170.5	1200.6	1190.6
87.5°	208.2	221.9	268.4	336.0	410.9	495.8	623.6	793.4	945.0	957.8	955.9
90°	170.7	175.3	221.9	279.4	346.9	411.8	509.5	639.1	752.3	775.1	759.6
92.5°	137.9	145.2	184.4	236.5	289.4	346.0	422.7	525.0	595.3	609.0	601.7
95°	116.0	119.6	155.2	198.1	243.8	294.9	348.8	419.1	471.1	475.7	477.5
97.5°	96.8	100.4	129.6	168.9	208.2	249.3	290.3	342.4	377.1	376.2	373.4
100°	83.1	84.9	111.4	147.0	181.7	211.8	243.8	275.7	296.7	303.1	293.1
102.5°	72.1	73.0	95.9	126.9	156.1	182.6	206.3	229.2	237.4	238.3	233.7
105°	63.9	64.8	84.0	109.6	136.0	156.1	174.4	188.1	191.7	191.7	186.3
107.5°	56.6	57.5	72.1	96.8	120.5	137.0	149.7	157.0	155.2	154.3	150.6
110°	52.0	52.0	63.9	85.8	105.0	119.6	129.6	130.6	126.0	126.0	122.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	47.5	47.5	56.6	75.8	93.1	105.9	112.3	110.5	104.1	102.3	102.3
115°	43.8	43.8	50.2	66.7	83.1	93.1	97.7	93.1	85.8	84.9	84.0
117.5°	41.1	41.1	45.7	59.3	73.0	82.2	84.9	80.3	72.1	71.2	71.2
120°	38.3	38.3	42.0	52.0	64.8	72.1	74.0	68.5	60.3	60.3	61.2
122.5°	36.5	36.5	38.3	46.6	57.5	63.9	63.9	58.4	51.1	51.1	52.0
125°	34.7	34.7	35.6	41.1	50.2	55.7	54.8	48.4	43.8	43.8	44.7
127.5°	32.9	32.9	32.9	36.5	43.8	48.4	47.5	41.1	37.4	37.4	39.3
130°	31.0	31.0	30.1	32.0	37.4	41.1	39.3	34.7	32.0	32.0	33.8
132.5°	29.2	29.2	27.4	28.3	32.0	33.8	32.0	28.3	27.4	27.4	28.3
135°	27.4	26.5	25.6	24.7	26.5	27.4	25.6	22.8	22.8	22.8	24.7
137.5°	24.7	24.7	22.8	21.0	21.0	21.0	20.1	17.3	18.3	19.2	20.1
140°	22.8	22.8	21.0	18.3	16.4	16.4	14.6	13.7	14.6	15.5	16.4
142.5°	20.1	20.1	18.3	15.5	12.8	11.0	10.0	9.1	11.0	11.9	11.9
145°	17.3	17.3	15.5	11.9	9.1	6.4	5.5	6.4	7.3	8.2	9.1
147.5°	14.6	13.7	11.9	9.1	4.6	2.7	1.8	3.7	4.6	4.6	5.5
150°	11.0	11.0	9.1	6.4	2.7	0.0	0.9	1.8	2.7	2.7	3.7
152.5°	8.2	7.3	6.4	3.7	0.0	0.0	0.0	0.0	0.9	1.8	1.8
155°	4.6	4.6	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.0	0.0	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°	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0	304.0
2.5°	305.9	303.1	299.5	296.7	294.0	290.3	288.5	285.8	285.8	285.8	287.6
5°	316.8	313.2	304.9	297.6	290.3	284.9	279.4	275.7	273.9	272.1	273.0
7.5°	336.9	332.3	319.6	306.8	296.7	286.7	279.4	273.0	270.3	269.3	269.3
10°	367.9	359.7	340.6	323.2	308.6	294.9	284.9	276.6	273.0	270.3	270.3
12.5°	409.9	398.1	375.2	351.5	329.6	311.3	296.7	290.3	287.6	285.8	286.7
15°	465.6	452.9	418.2	387.1	358.8	334.2	320.5	314.1	310.4	308.6	307.7
17.5°	530.5	512.2	470.2	430.0	394.4	367.0	349.7	339.6	333.3	329.6	330.5
20°	601.7	577.9	524.1	480.2	434.6	407.2	380.7	364.3	356.1	354.2	355.2
22.5°	682.0	657.4	595.3	531.4	483.9	442.8	410.9	389.9	379.8	378.9	378.9
25°	777.0	744.1	671.1	590.7	529.5	477.5	440.1	414.5	403.6	399.9	399.9
27.5°	884.7	840.9	750.5	658.3	574.3	508.5	464.7	435.5	423.6	420.9	420.9
30°	1003.4	957.8	842.7	722.2	617.2	535.9	486.6	455.6	440.1	436.4	437.3
32.5°	1134.0	1074.6	929.4	790.7	654.6	557.9	501.2	470.2	452.9	448.3	448.3
35°	1275.5	1206.1	1032.6	857.3	690.2	575.2	512.2	480.2	461.1	456.5	455.6
37.5°	1434.3	1347.6	1139.4	918.5	718.5	586.2	519.5	486.6	465.6	459.2	458.3
40°	1600.5	1501.0	1238.0	974.2	742.3	592.5	521.3	489.4	467.5	457.4	456.5
42.5°	1755.7	1646.2	1350.3	1025.3	756.9	595.3	520.4	488.5	465.6	451.9	451.0
45°	1927.4	1793.2	1453.5	1071.9	766.0	593.5	516.8	483.9	462.0	444.6	442.8
47.5°	2107.2	1952.9	1548.5	1105.7	769.7	588.0	512.2	480.2	455.6	436.4	434.6
50°	2269.8	2089.9	1637.0	1132.1	767.8	579.8	504.9	474.8	450.1	428.2	426.4
52.5°	2428.6	2233.2	1706.4	1146.7	758.7	570.6	498.5	468.4	443.7	420.9	418.2
55°	2572.9	2346.4	1768.5	1153.1	746.8	558.8	489.4	462.9	438.2	413.6	410.9
57.5°	2684.3	2453.3	1814.2	1144.9	728.6	545.1	480.2	454.7	431.9	407.2	404.5
60°	2766.4	2523.6	1835.2	1129.4	707.6	529.5	469.3	446.5	425.5	401.7	399.0
62.5°	2815.7	2562.8	1830.6	1102.0	681.1	514.0	459.2	438.2	419.1	395.3	393.5
65°	2807.5	2547.3	1795.9	1058.2	652.8	493.9	443.7	427.3	409.9	388.0	385.3
67.5°	2740.9	2484.3	1725.6	1003.4	620.8	473.9	429.1	412.7	398.1	378.9	373.4
70°	2622.2	2368.4	1624.3	934.9	584.3	451.0	411.8	396.2	383.5	365.2	359.7
72.5°	2422.2	2199.5	1495.5	863.7	545.1	424.6	388.9	376.2	362.5	347.9	341.5
75°	2194.0	1987.6	1344.0	779.7	503.1	398.1	365.2	352.4	339.6	324.1	318.6
77.5°	1945.6	1747.5	1186.9	705.8	460.2	367.9	338.7	327.8	315.0	298.6	292.2
80°	1648.9	1491.0	1019.8	620.8	417.2	338.7	311.3	299.5	285.8	270.3	263.9
82.5°	1381.4	1241.7	865.5	544.2	374.3	308.6	284.9	267.5	254.7	239.2	228.3
85°	1129.4	1031.7	725.8	467.5	334.2	277.6	253.8	239.2	224.6	206.3	199.0
87.5°	908.4	825.4	596.2	403.6	294.9	247.4	225.5	210.9	194.5	175.3	168.9
90°	718.5	667.4	495.8	346.9	261.1	221.9	200.0	184.4	166.2	148.8	145.2
92.5°	569.7	534.1	409.9	294.9	230.1	196.3	176.2	160.7	142.4	125.1	119.6
95°	458.3	423.6	336.0	257.5	201.8	172.6	155.2	140.6	122.3	105.0	101.3
97.5°	366.1	338.7	275.7	216.4	177.1	153.4	137.9	122.3	104.1	88.6	86.7
100°	286.7	270.3	228.3	186.3	156.1	136.0	121.4	107.7	89.5	74.0	73.0
102.5°	229.2	220.0	189.9	160.7	137.0	120.5	108.6	94.0	77.6	63.0	62.1
105°	184.4	179.0	158.0	137.9	121.4	107.7	96.8	82.2	65.7	53.9	53.9
107.5°	149.7	145.2	132.4	117.8	106.8	96.8	84.9	72.1	56.6	46.6	46.6
110°	122.3	120.5	112.3	102.3	94.0	85.8	74.9	62.1	48.4	41.1	41.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	102.3	101.3	95.0	89.5	83.1	75.8	66.7	54.8	42.0	35.6	36.5
115°	84.9	84.9	81.3	77.6	73.0	67.6	58.4	46.6	35.6	32.0	32.0
117.5°	72.1	71.2	70.3	67.6	64.8	59.3	50.2	40.2	30.1	28.3	29.2
120°	62.1	62.1	60.3	59.3	56.6	51.1	43.8	33.8	25.6	25.6	25.6
122.5°	53.0	53.9	52.0	51.1	49.3	45.7	37.4	28.3	22.8	21.9	22.8
125°	46.6	46.6	45.7	44.7	42.9	38.3	32.0	23.7	19.2	20.1	20.1
127.5°	39.3	40.2	39.3	38.3	37.4	32.9	26.5	19.2	16.4	17.3	17.3
130°	34.7	34.7	33.8	32.9	31.0	27.4	21.9	15.5	14.6	15.5	15.5
132.5°	29.2	29.2	29.2	27.4	25.6	22.8	17.3	12.8	11.9	13.7	13.7
135°	24.7	24.7	24.7	22.8	21.0	17.3	12.8	10.0	10.0	11.9	11.9
137.5°	20.1	21.0	20.1	18.3	16.4	13.7	10.0	7.3	8.2	10.0	10.0
140°	16.4	16.4	15.5	14.6	11.9	9.1	6.4	5.5	7.3	8.2	8.2
142.5°	12.8	12.8	11.9	10.0	8.2	6.4	3.7	3.7	5.5	6.4	6.4
145°	9.1	9.1	8.2	6.4	4.6	2.7	0.9	1.8	3.7	4.6	4.6
147.5°	5.5	5.5	5.5	4.6	2.7	0.9	0.0	0.9	1.8	2.7	2.7
150°	3.7	3.7	3.7	2.7	1.8	0.0	0.0	0.0	0.9	1.8	1.8
152.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)