

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: P413799

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413799
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-PA1-100-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 8428 lumens
Efficiency: N/A
Efficacy: 87.8 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

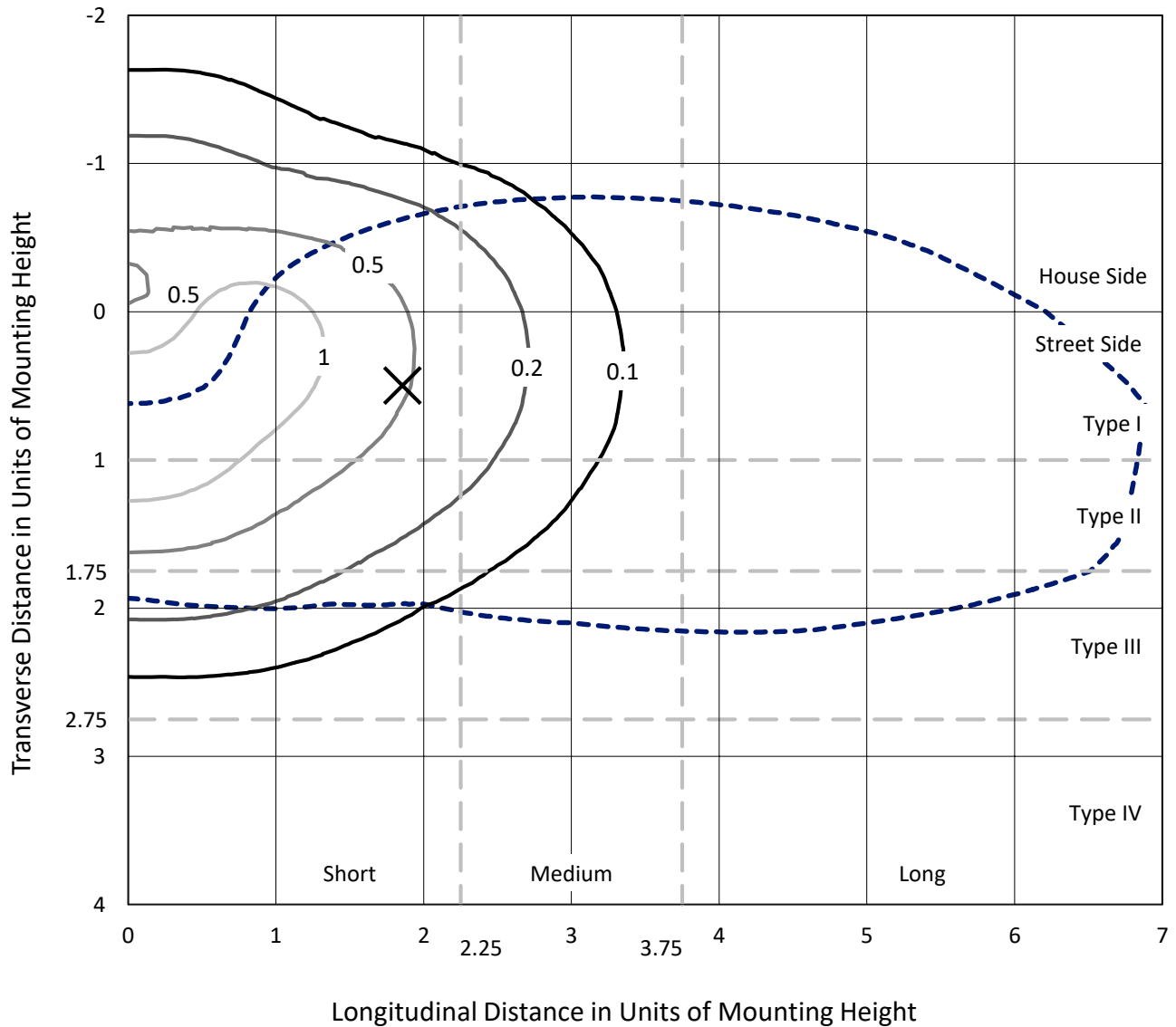
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

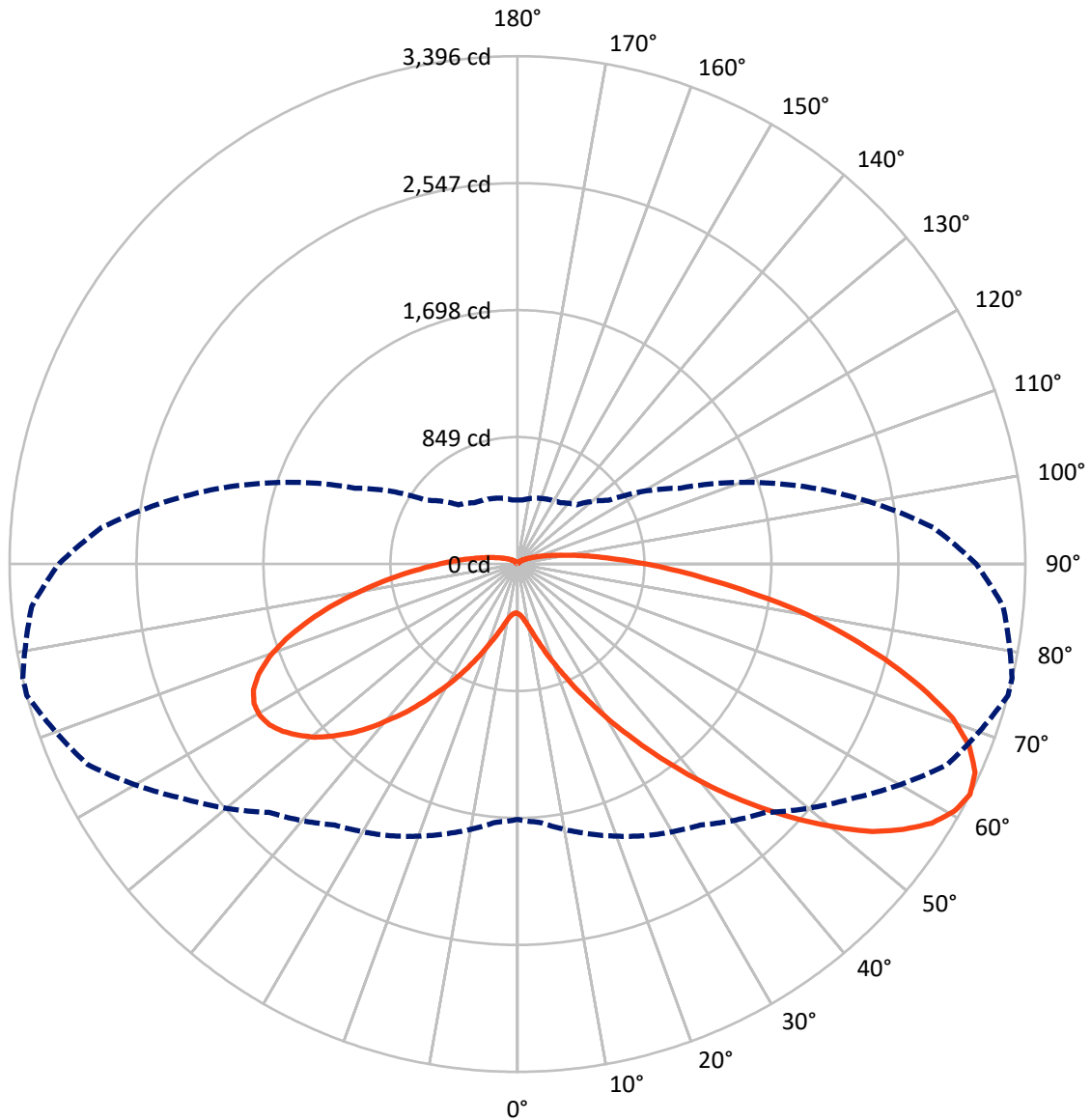
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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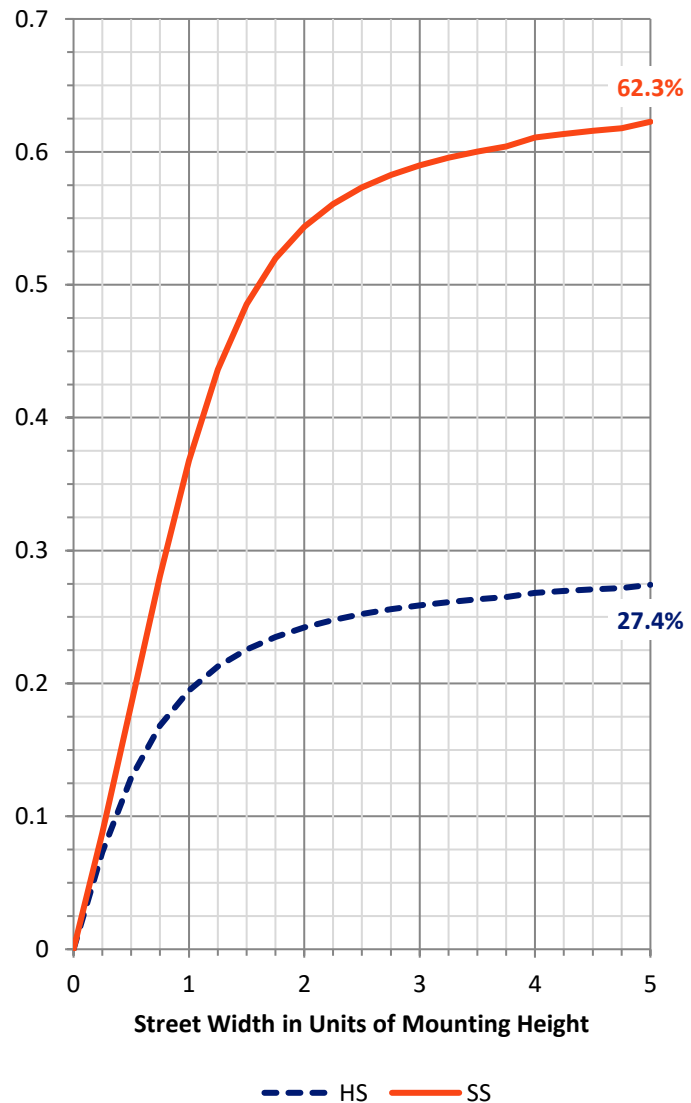
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2410.2	256.3	2666.5
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	5409.6	351.9	5761.5
	% Fixture	64.2	4.2	68.4
Total	Lumens	7819.8	608.1	8428.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	0.4
10°-20°	146.6	1.7
20°-30°	379.5	4.5
30°-40°	776.6	9.2
40°-50°	1287.8	15.3
50°-60°	1670.7	19.8
60°-70°	1645.4	19.5
70°-80°	1209.1	14.3
80°-90°	669.1	7.9
90°-100°	316.0	3.7
100°-110°	151.0	1.8
110°-120°	77.0	0.9
120°-130°	39.9	0.5
130°-140°	18.3	0.2
140°-150°	5.4	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7819.8	92.8
0°-180°	8428.0	100.0



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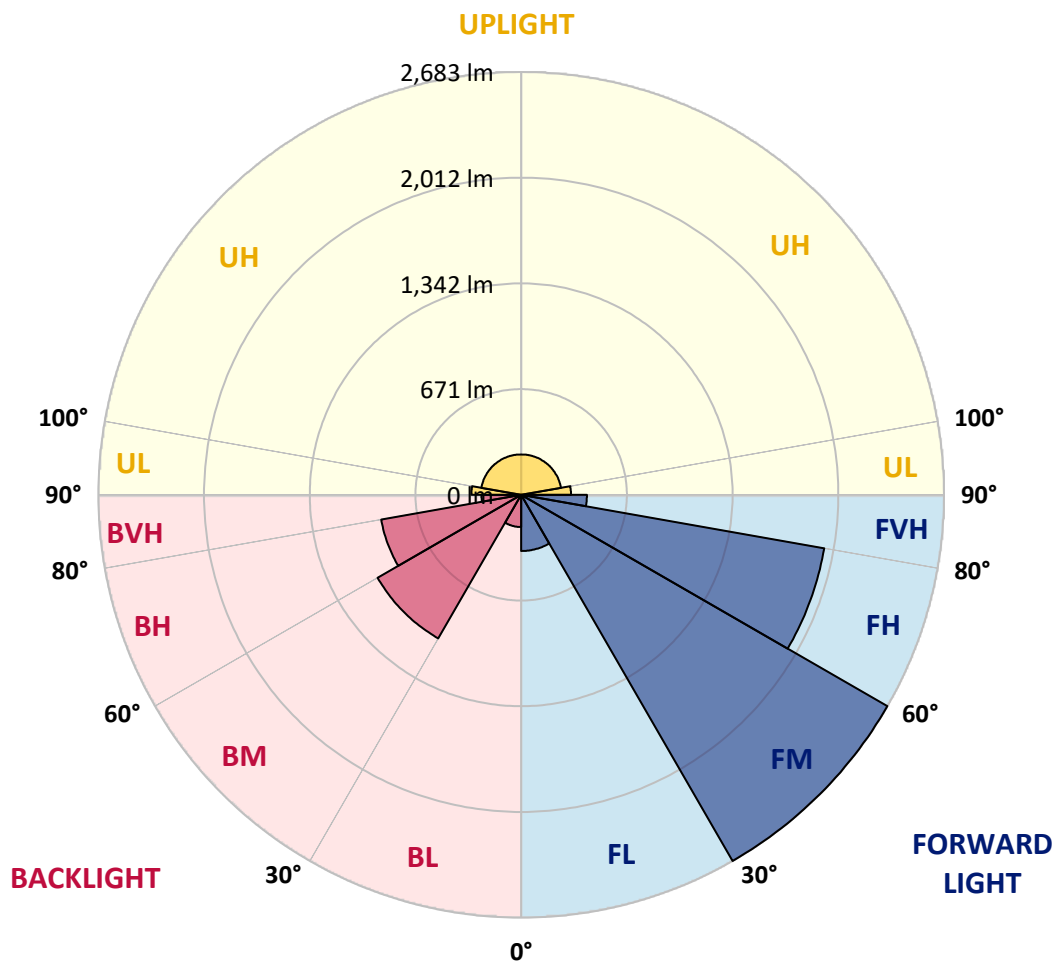
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.6	4.2			
FM (30°-60°)	2683.0	31.8			
FH (60°-80°)	1953.0	23.2			G2/5000
FVH (80°-90°)	417.1	4.9			G3/500
BL (0°-30°)	204.5	2.4	B1/500		
BM (30°-60°)	1052.1	12.5	B2/2500		
BH (60°-80°)	901.6	10.7	B2/1000		G2/1000
BVH (80°-90°)	252.1	3.0			G3/500
UL (90°-100°)	316.0	3.7		U3/500	
UH (100°-180°)	256.3	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°	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1
2.5°	368.9	365.9	363.9	360.9	358.9	355.0	351.0	345.0	340.1	339.1	335.1
5°	407.7	402.7	402.7	397.7	390.8	385.8	377.8	367.9	359.9	355.0	351.0
7.5°	457.4	453.4	448.4	444.5	437.5	428.5	417.6	404.7	388.8	385.8	375.8
10°	513.1	511.1	507.1	499.1	490.2	478.3	463.3	447.4	429.5	426.6	409.7
12.5°	586.6	586.6	580.7	569.7	556.8	534.9	522.0	505.1	484.2	481.2	457.4
15°	677.1	673.1	665.2	646.3	631.4	613.5	597.6	575.7	547.9	542.9	521.0
17.5°	776.5	768.6	764.6	746.7	726.8	705.0	683.1	659.2	628.4	620.4	594.6
20°	887.9	892.9	878.0	858.1	828.3	806.4	781.5	750.7	716.9	710.9	680.1
22.5°	1028.1	1024.1	1003.2	975.4	946.6	922.7	890.9	860.1	814.3	808.4	772.6
25°	1183.2	1179.2	1152.4	1117.6	1084.8	1042.0	1005.2	972.4	934.6	925.7	882.9
27.5°	1335.3	1355.2	1314.5	1271.7	1232.9	1185.2	1141.5	1099.7	1056.9	1050.0	1005.2
30°	1543.2	1548.1	1500.4	1441.7	1389.0	1329.4	1283.6	1245.9	1209.1	1186.2	1145.4
32.5°	1759.9	1744.0	1706.2	1634.6	1551.1	1484.5	1433.8	1399.0	1364.2	1352.2	1292.6
35°	1974.7	1974.7	1916.0	1819.6	1710.2	1642.6	1592.9	1572.0	1540.2	1521.3	1454.7
37.5°	2185.5	2182.5	2122.8	2009.5	1897.1	1804.7	1772.8	1749.0	1727.1	1708.2	1626.7
40°	2393.3	2388.3	2316.7	2206.3	2075.1	1979.6	1953.8	1957.8	1931.9	1906.1	1824.5
42.5°	2560.3	2558.3	2501.7	2391.3	2234.2	2149.7	2123.8	2147.7	2135.8	2110.9	2015.4
45°	2693.6	2684.6	2639.9	2527.5	2385.3	2295.8	2302.8	2360.5	2346.5	2334.6	2216.3
47.5°	2749.2	2748.2	2723.4	2625.9	2494.7	2432.1	2471.8	2552.4	2557.3	2547.4	2415.2
50°	2734.3	2738.3	2736.3	2676.7	2569.3	2537.5	2614.0	2751.2	2767.1	2757.2	2621.0
52.5°	2646.8	2648.8	2681.6	2655.8	2595.1	2604.1	2740.3	2916.3	2972.0	2945.1	2802.9
55°	2461.9	2486.7	2551.4	2566.3	2558.3	2619.0	2815.9	3047.5	3132.0	3123.1	2961.0
57.5°	2271.0	2259.0	2351.5	2423.1	2464.9	2579.2	2840.7	3141.0	3268.3	3256.3	3102.2
60°	1992.6	2010.5	2123.8	2226.2	2314.7	2483.8	2817.8	3190.7	3356.8	3349.8	3205.6
62.5°	1708.2	1734.1	1868.3	2004.5	2130.8	2348.5	2732.3	3171.8	3395.5	3394.5	3260.3
65°	1440.7	1468.6	1591.9	1756.9	1918.0	2165.6	2583.2	3091.3	3362.7	3364.7	3250.4
67.5°	1203.1	1218.0	1347.3	1529.2	1686.3	1950.8	2391.3	2932.2	3259.3	3270.2	3170.8
70°	991.3	1002.3	1127.5	1289.6	1471.6	1711.2	2158.6	2728.4	3086.3	3090.3	3027.6
72.5°	813.3	823.3	943.6	1087.8	1255.8	1501.4	1919.0	2450.0	2825.8	2865.6	2806.9
75°	650.3	670.2	773.6	913.8	1063.9	1282.6	1665.5	2150.7	2533.5	2567.3	2558.3
77.5°	530.0	556.8	639.3	759.6	897.9	1087.8	1411.9	1855.4	2224.2	2252.1	2259.0
80°	427.5	447.4	530.0	636.4	753.7	918.7	1180.2	1567.0	1913.0	1916.0	1913.0
82.5°	347.0	361.9	435.5	531.9	635.4	772.6	989.3	1307.5	1569.0	1600.8	1606.8
85°	282.4	293.3	357.0	443.5	531.0	647.3	816.3	1067.9	1274.7	1307.5	1296.6
87.5°	226.7	241.6	292.3	365.9	447.4	539.9	679.1	864.0	1029.1	1043.0	1041.0
90°	185.9	190.9	241.6	304.3	377.8	448.4	554.8	696.0	819.3	844.2	827.3
92.5°	150.1	158.1	200.8	257.5	315.2	376.8	460.4	571.7	648.3	663.2	655.2
95°	126.3	130.3	169.0	215.8	265.5	321.2	379.8	456.4	513.1	518.0	520.0
97.5°	105.4	109.4	141.2	183.9	226.7	271.4	316.2	372.9	410.6	409.7	406.7
100°	90.5	92.5	121.3	160.1	197.9	230.7	265.5	300.3	323.1	330.1	319.2
102.5°	78.5	79.5	104.4	138.2	170.0	198.9	224.7	249.6	258.5	259.5	254.5
105°	69.6	70.6	91.5	119.3	148.2	170.0	189.9	204.8	208.8	208.8	202.8
107.5°	61.6	62.6	78.5	105.4	131.2	149.1	163.1	171.0	169.0	168.0	164.1
110°	56.7	56.7	69.6	93.5	114.3	130.3	141.2	142.2	137.2	137.2	133.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	51.7	51.7	61.6	82.5	101.4	115.3	122.3	120.3	113.4	111.4	111.4
115°	47.7	47.7	54.7	72.6	90.5	101.4	106.4	101.4	93.5	92.5	91.5
117.5°	44.7	44.7	49.7	64.6	79.5	89.5	92.5	87.5	78.5	77.6	77.6
120°	41.8	41.8	45.7	56.7	70.6	78.5	80.5	74.6	65.6	65.6	66.6
122.5°	39.8	39.8	41.8	50.7	62.6	69.6	69.6	63.6	55.7	55.7	56.7
125°	37.8	37.8	38.8	44.7	54.7	60.7	59.7	52.7	47.7	47.7	48.7
127.5°	35.8	35.8	35.8	39.8	47.7	52.7	51.7	44.7	40.8	40.8	42.8
130°	33.8	33.8	32.8	34.8	40.8	44.7	42.8	37.8	34.8	34.8	36.8
132.5°	31.8	31.8	29.8	30.8	34.8	36.8	34.8	30.8	29.8	29.8	30.8
135°	29.8	28.8	27.8	26.8	28.8	29.8	27.8	24.9	24.9	24.9	26.8
137.5°	26.8	26.8	24.9	22.9	22.9	22.9	21.9	18.9	19.9	20.9	21.9
140°	24.9	24.9	22.9	19.9	17.9	17.9	15.9	14.9	15.9	16.9	17.9
142.5°	21.9	21.9	19.9	16.9	13.9	11.9	10.9	9.9	11.9	12.9	12.9
145°	18.9	18.9	16.9	12.9	9.9	7.0	6.0	7.0	8.0	8.9	9.9
147.5°	15.9	14.9	12.9	9.9	5.0	3.0	2.0	4.0	5.0	5.0	6.0
150°	11.9	11.9	9.9	7.0	3.0	0.0	1.0	2.0	3.0	3.0	4.0
152.5°	8.9	8.0	7.0	4.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
155°	5.0	5.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1	331.1
2.5°	333.1	330.1	326.1	323.1	320.2	316.2	314.2	311.2	311.2	311.2	313.2
5°	345.0	341.0	332.1	324.1	316.2	310.2	304.3	300.3	298.3	296.3	297.3
7.5°	366.9	361.9	348.0	334.1	323.1	312.2	304.3	297.3	294.3	293.3	293.3
10°	400.7	391.8	370.9	352.0	336.1	321.2	310.2	301.3	297.3	294.3	294.3
12.5°	446.4	433.5	408.7	382.8	358.9	339.1	323.1	316.2	313.2	311.2	312.2
15°	507.1	493.2	455.4	421.6	390.8	363.9	349.0	342.0	338.1	336.1	335.1
17.5°	577.7	557.8	512.1	468.3	429.5	399.7	380.8	369.9	362.9	358.9	359.9
20°	655.2	629.4	570.7	523.0	473.3	443.5	414.6	396.7	387.8	385.8	386.8
22.5°	742.7	715.9	648.3	578.7	527.0	482.2	447.4	424.6	413.6	412.6	412.6
25°	846.1	810.4	730.8	643.3	576.7	520.0	479.3	451.4	439.5	435.5	435.5
27.5°	963.5	915.7	817.3	716.9	625.4	553.8	506.1	474.3	461.4	458.4	458.4
30°	1092.7	1043.0	917.7	786.5	672.1	583.7	530.0	496.2	479.3	475.3	476.3
32.5°	1234.9	1170.3	1012.2	861.1	712.9	607.5	545.9	512.1	493.2	488.2	488.2
35°	1389.0	1313.5	1124.6	933.6	751.7	626.4	557.8	523.0	502.1	497.1	496.2
37.5°	1562.0	1467.6	1240.9	1000.3	782.5	638.3	565.8	530.0	507.1	500.1	499.1
40°	1743.0	1634.6	1348.3	1060.9	808.4	645.3	567.7	532.9	509.1	498.1	497.1
42.5°	1912.0	1792.7	1470.6	1116.6	824.3	648.3	566.8	531.9	507.1	492.2	491.2
45°	2099.0	1952.8	1582.9	1167.3	834.2	646.3	562.8	527.0	503.1	484.2	482.2
47.5°	2294.8	2126.8	1686.3	1204.1	838.2	640.3	557.8	523.0	496.2	475.3	473.3
50°	2471.8	2276.0	1782.8	1232.9	836.2	631.4	549.8	517.0	490.2	466.3	464.3
52.5°	2644.8	2432.1	1858.3	1248.8	826.3	621.4	542.9	510.1	483.2	458.4	455.4
55°	2801.9	2555.3	1926.0	1255.8	813.3	608.5	532.9	504.1	477.3	450.4	447.4
57.5°	2923.2	2671.7	1975.7	1246.9	793.5	593.6	523.0	495.2	470.3	443.5	440.5
60°	3012.7	2748.2	1998.5	1229.9	770.6	576.7	511.1	486.2	463.3	437.5	434.5
62.5°	3066.4	2791.0	1993.6	1200.1	741.7	559.8	500.1	477.3	456.4	430.5	428.5
65°	3057.5	2774.1	1955.8	1152.4	710.9	537.9	483.2	465.3	446.4	422.6	419.6
67.5°	2984.9	2705.5	1879.2	1092.7	676.1	516.0	467.3	449.4	433.5	412.6	406.7
70°	2855.6	2579.2	1768.9	1018.2	636.4	491.2	448.4	431.5	417.6	397.7	391.8
72.5°	2637.9	2395.3	1628.7	940.6	593.6	462.3	423.6	409.7	394.7	378.8	371.9
75°	2389.3	2164.6	1463.6	849.1	547.9	433.5	397.7	383.8	369.9	353.0	347.0
77.5°	2118.9	1903.1	1292.6	768.6	501.1	400.7	368.9	357.0	343.0	325.1	318.2
80°	1795.7	1623.7	1110.6	676.1	454.4	368.9	339.1	326.1	311.2	294.3	287.4
82.5°	1504.4	1352.2	942.6	592.6	407.7	336.1	310.2	291.3	277.4	260.5	248.6
85°	1229.9	1123.6	790.5	509.1	363.9	302.3	276.4	260.5	244.6	224.7	216.8
87.5°	989.3	898.8	649.3	439.5	321.2	269.5	245.6	229.7	211.8	190.9	183.9
90°	782.5	726.8	539.9	377.8	284.4	241.6	217.8	200.8	181.0	162.1	158.1
92.5°	620.4	581.7	446.4	321.2	250.6	213.8	191.9	175.0	155.1	136.2	130.3
95°	499.1	461.4	365.9	280.4	219.7	187.9	169.0	153.1	133.2	114.3	110.4
97.5°	398.7	368.9	300.3	235.6	192.9	167.0	150.1	133.2	113.4	96.4	94.5
100°	312.2	294.3	248.6	202.8	170.0	148.2	132.2	117.3	97.4	80.5	79.5
102.5°	249.6	239.6	206.8	175.0	149.1	131.2	118.3	102.4	84.5	68.6	67.6
105°	200.8	194.9	172.0	150.1	132.2	117.3	105.4	89.5	71.6	58.7	58.7
107.5°	163.1	158.1	144.2	128.3	116.3	105.4	92.5	78.5	61.6	50.7	50.7
110°	133.2	131.2	122.3	111.4	102.4	93.5	81.5	67.6	52.7	44.7	44.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	111.4	110.4	103.4	97.4	90.5	82.5	72.6	59.7	45.7	38.8	39.8
115°	92.5	92.5	88.5	84.5	79.5	73.6	63.6	50.7	38.8	34.8	34.8
117.5°	78.5	77.6	76.6	73.6	70.6	64.6	54.7	43.7	32.8	30.8	31.8
120°	67.6	67.6	65.6	64.6	61.6	55.7	47.7	36.8	27.8	27.8	27.8
122.5°	57.7	58.7	56.7	55.7	53.7	49.7	40.8	30.8	24.9	23.9	24.9
125°	50.7	50.7	49.7	48.7	46.7	41.8	34.8	25.9	20.9	21.9	21.9
127.5°	42.8	43.7	42.8	41.8	40.8	35.8	28.8	20.9	17.9	18.9	18.9
130°	37.8	37.8	36.8	35.8	33.8	29.8	23.9	16.9	15.9	16.9	16.9
132.5°	31.8	31.8	31.8	29.8	27.8	24.9	18.9	13.9	12.9	14.9	14.9
135°	26.8	26.8	26.8	24.9	22.9	18.9	13.9	10.9	10.9	12.9	12.9
137.5°	21.9	22.9	21.9	19.9	17.9	14.9	10.9	8.0	8.9	10.9	10.9
140°	17.9	17.9	16.9	15.9	12.9	9.9	7.0	6.0	8.0	8.9	8.9
142.5°	13.9	13.9	12.9	10.9	8.9	7.0	4.0	4.0	6.0	7.0	7.0
145°	9.9	9.9	8.9	7.0	5.0	3.0	1.0	2.0	4.0	5.0	5.0
147.5°	6.0	6.0	6.0	5.0	3.0	1.0	0.0	1.0	2.0	3.0	3.0
150°	4.0	4.0	4.0	3.0	2.0	0.0	0.0	0.0	1.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.0	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)