

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: P254477

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T2U-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7135.1 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

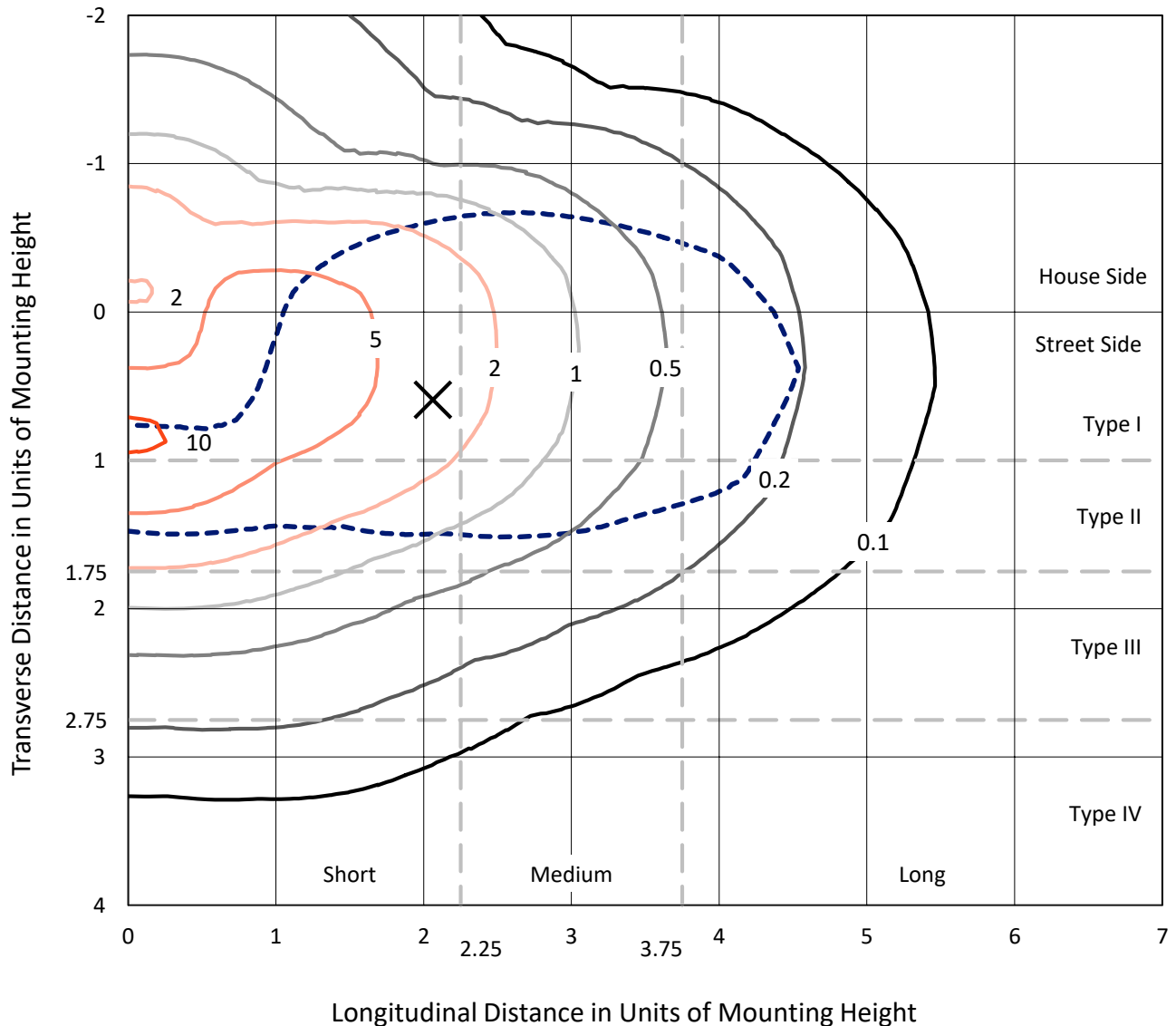


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### Iso-Footcandle Lines of Horizontal Illumination

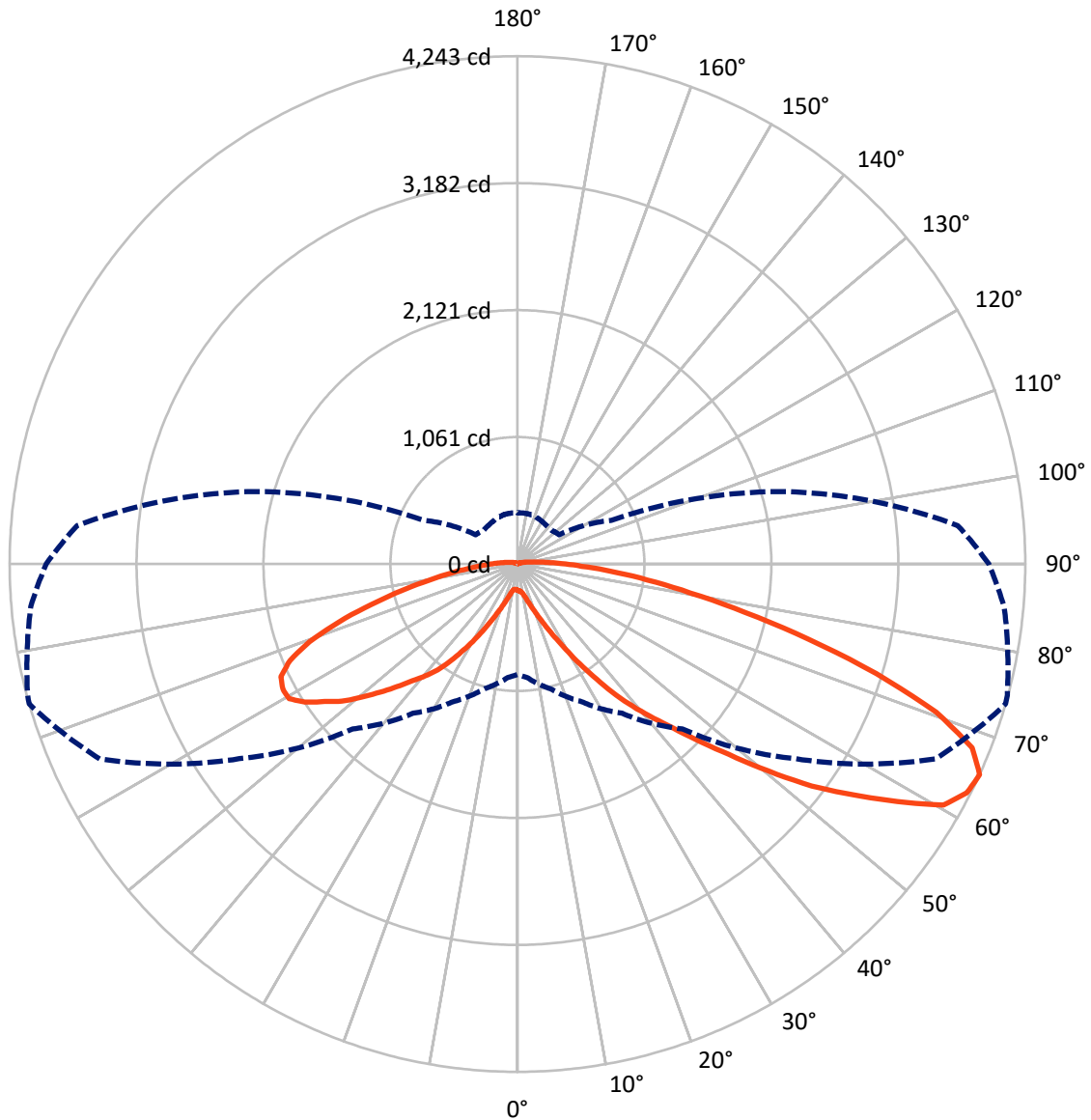
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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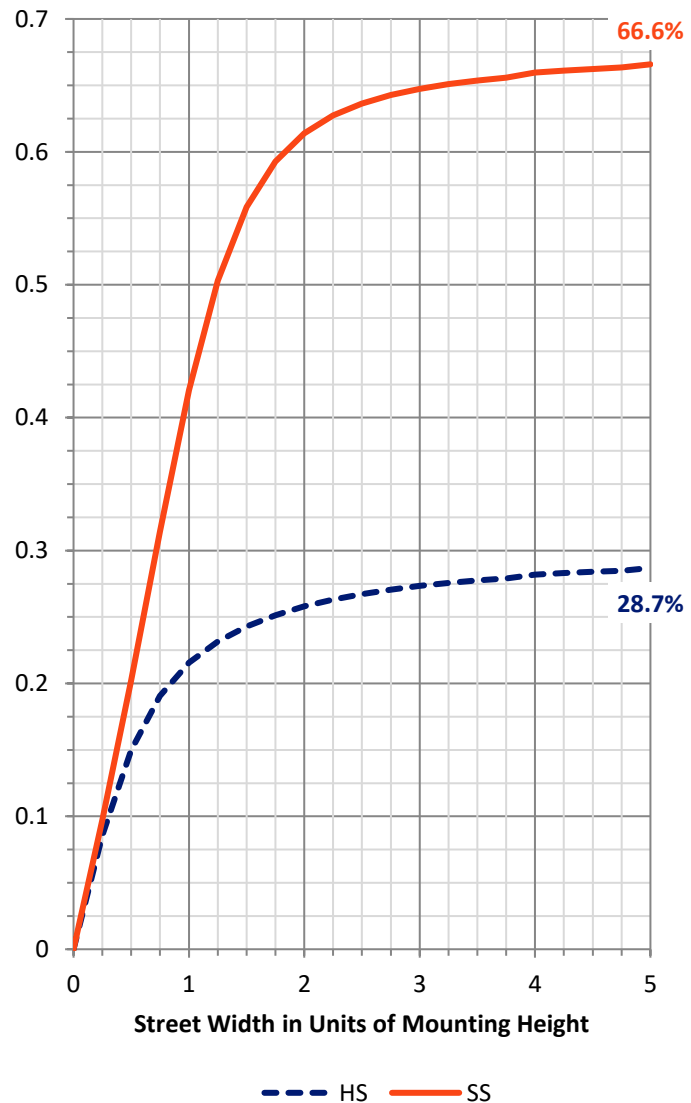
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2109.9	103.2	2213.1
	% Fixture	29.6	1.4	31.0
<b>Street Side</b>	Lumens	4817.0	105.1	4922.0
	% Fixture	67.5	1.5	69.0
<b>Total</b>	Lumens	6926.9	208.3	7135.1
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.7	0.3
10°-20°	89.5	1.3
20°-30°	264.0	3.7
30°-40°	643.8	9.0
40°-50°	1175.3	16.5
50°-60°	1672.5	23.4
60°-70°	1683.7	23.6
70°-80°	996.9	14.0
80°-90°	379.4	5.3
90°-100°	119.6	1.7
100°-110°	45.2	0.6
110°-120°	21.7	0.3
120°-130°	12.3	0.2
130°-140°	6.9	0.1
140°-150°	2.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6926.9	97.1
0°-180°	7135.1	100.0

**Coefficient of Utilization**



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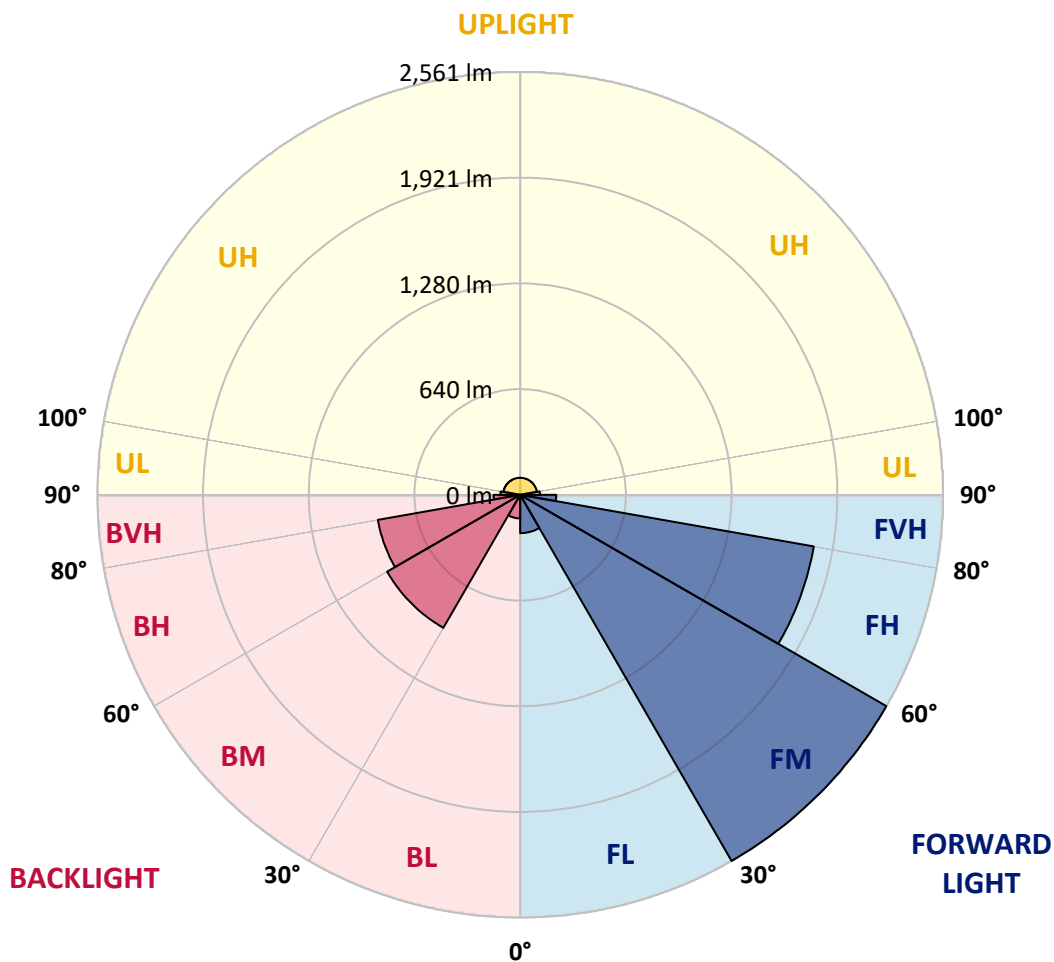
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.3	3.3			
FM (30°-60°)	2560.8	35.9			
FH (60°-80°)	1805.6	25.3			G2/5000
FVH (80°-90°)	218.3	3.1			G2/225
BL (0°-30°)	142.9	2.0	B1/500		
BM (30°-60°)	930.8	13.0	B1/1000		
BH (60°-80°)	875.0	12.3	B2/1000		G2/1000
BVH (80°-90°)	161.1	2.3			G2/225
UL (90°-100°)	119.6	1.7		U3/500	
UH (100°-180°)	103.2	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
2.5°	234.9	234.1	234.9	234.1	234.1	232.3	229.8	226.3	222.9	222.0	219.4
5°	251.1	251.1	251.1	249.5	247.8	245.2	240.0	234.1	228.0	227.2	222.0
7.5°	273.4	274.4	272.6	269.1	265.8	258.9	252.9	244.3	236.6	235.8	228.0
10°	306.9	306.1	303.5	299.2	289.7	282.0	271.7	259.7	251.1	249.5	240.0
12.5°	353.2	352.3	348.0	336.0	323.2	308.6	298.3	287.1	278.7	277.7	269.1
15°	413.2	411.4	402.9	387.5	366.9	348.0	339.4	328.4	319.8	318.9	310.4
17.5°	486.9	485.2	473.2	450.9	422.6	401.2	391.8	378.9	369.5	370.3	357.4
20°	579.5	575.2	558.9	528.9	494.6	468.9	454.3	441.5	433.7	432.9	423.5
22.5°	698.7	692.6	663.5	627.5	584.6	549.5	530.6	516.9	511.8	512.6	504.0
25°	851.2	840.0	803.2	753.5	700.3	646.4	624.1	608.7	611.2	613.0	604.4
27.5°	1032.2	1026.9	970.4	910.4	831.6	762.1	741.5	726.1	731.2	735.5	728.6
30°	1256.7	1239.6	1173.5	1083.5	981.5	896.6	870.1	864.9	878.7	884.6	880.4
32.5°	1514.7	1500.2	1410.1	1296.2	1147.9	1047.5	1016.7	1030.4	1052.7	1059.6	1054.4
35°	1820.8	1807.9	1687.1	1531.1	1342.4	1235.3	1194.1	1217.3	1245.5	1251.6	1243.8
37.5°	2137.0	2130.2	1998.2	1793.3	1562.8	1423.8	1388.8	1422.1	1452.2	1457.3	1431.6
40°	2407.9	2414.0	2282.0	2054.8	1789.0	1624.4	1603.9	1633.9	1642.4	1645.0	1596.2
42.5°	2628.3	2631.7	2516.9	2287.1	2001.6	1833.6	1822.5	1837.9	1840.5	1840.5	1783.9
45°	2686.6	2705.4	2639.4	2464.6	2203.9	2036.8	2036.8	2072.0	2089.1	2094.2	2021.4
47.5°	2713.2	2726.9	2689.1	2563.1	2366.8	2233.1	2277.7	2359.1	2376.2	2385.7	2292.2
50°	2689.1	2708.0	2701.1	2619.7	2478.3	2413.1	2543.5	2685.8	2717.5	2726.9	2612.8
52.5°	2500.6	2538.2	2594.8	2609.4	2546.0	2563.1	2812.6	3052.6	3080.9	3086.0	2917.1
55°	2228.0	2272.5	2368.5	2470.5	2531.4	2662.5	3074.1	3407.6	3400.7	3404.1	3210.3
57.5°	1885.1	1928.8	2058.2	2219.4	2396.0	2684.8	3230.9	3695.5	3742.7	3752.1	3568.7
60°	1569.6	1587.6	1726.4	1909.0	2143.1	2571.7	3230.9	3935.6	4089.0	4071.0	3822.4
62.5°	1206.2	1243.0	1387.8	1586.7	1841.3	2294.8	3113.5	4011.8	4212.4	4187.6	3954.4
65°	923.2	953.3	1081.0	1268.7	1522.5	1947.6	2834.9	3851.5	4242.5	4236.4	4081.3
67.5°	720.1	724.4	834.1	994.4	1204.4	1571.4	2378.9	3540.3	4097.5	4096.7	4004.1
70°	544.3	548.6	637.8	786.0	930.1	1201.9	1899.6	3033.8	3712.7	3701.5	3744.4
72.5°	415.7	420.9	491.2	609.5	714.9	897.5	1447.9	2439.7	3134.9	3151.2	3214.6
75°	321.5	326.6	381.5	473.2	547.8	658.4	1045.9	1837.0	2513.4	2540.0	2672.9
77.5°	247.8	252.9	296.6	366.0	420.9	482.6	728.6	1347.5	1944.2	1978.5	2126.8
80°	190.3	195.5	234.1	283.8	328.4	366.0	513.5	965.3	1463.3	1501.9	1674.2
82.5°	147.4	152.6	185.2	225.5	263.2	288.9	373.8	687.5	1091.3	1123.0	1302.1
85°	114.1	118.3	145.8	177.5	213.5	236.6	286.3	486.9	783.5	810.1	951.5
87.5°	88.3	91.8	114.1	139.7	173.2	196.3	228.0	354.0	537.5	558.0	652.3
90°	66.9	70.3	88.3	108.0	137.2	162.0	182.6	254.6	369.5	381.5	429.4
92.5°	48.9	51.5	66.0	80.6	104.5	128.6	145.8	188.6	251.1	257.2	277.7
95°	36.8	38.6	48.9	60.0	78.9	99.4	113.1	138.9	168.9	172.3	179.1
97.5°	29.2	30.0	37.7	46.3	60.9	77.1	87.5	102.0	119.2	120.9	124.3
100°	24.9	25.7	31.7	38.6	48.9	61.7	69.5	78.9	88.3	89.2	91.8
102.5°	21.5	22.3	26.6	31.7	41.1	51.5	56.6	62.6	67.7	66.9	69.5
105°	18.8	18.8	23.1	27.4	35.2	42.9	46.3	49.7	51.5	51.5	53.2
107.5°	16.3	17.2	19.7	24.0	30.9	36.8	38.6	39.4	39.4	39.4	41.1
110°	14.5	14.5	17.2	20.6	26.6	31.7	32.5	31.7	30.9	30.9	32.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	12.9	12.9	14.5	18.8	24.0	28.3	28.3	26.6	24.0	24.0	25.7
115°	11.2	12.0	12.9	17.2	22.3	25.7	24.9	22.3	19.7	19.7	21.5
117.5°	10.3	10.3	12.0	15.4	20.6	23.1	22.3	18.8	16.3	16.3	18.0
120°	10.3	10.3	11.2	14.5	18.8	21.5	19.7	16.3	13.7	13.7	16.3
122.5°	10.3	10.3	11.2	13.7	17.2	18.8	18.0	14.5	12.0	12.0	13.7
125°	11.2	11.2	11.2	13.7	16.3	18.0	16.3	13.7	11.2	11.2	12.0
127.5°	12.0	12.0	12.0	13.7	15.4	16.3	14.5	12.0	10.3	10.3	11.2
130°	12.9	12.9	12.0	12.9	14.5	14.5	13.7	11.2	9.4	9.4	11.2
132.5°	12.9	12.9	12.0	12.0	12.9	12.9	12.0	9.4	8.6	8.6	10.3
135°	12.0	12.0	11.2	11.2	11.2	11.2	9.4	7.7	7.7	7.7	8.6
137.5°	11.2	11.2	10.3	10.3	10.3	9.4	7.7	6.0	6.0	6.0	7.7
140°	9.4	9.4	9.4	8.6	8.6	7.7	6.0	5.1	5.1	5.1	6.0
142.5°	8.6	7.7	7.7	6.9	6.9	6.0	4.3	3.5	3.5	3.5	4.3
145°	6.9	6.9	6.0	5.1	5.1	4.3	2.6	1.7	2.6	2.6	3.5
147.5°	5.1	5.1	4.3	4.3	3.5	2.6	0.8	1.7	1.7	1.7	2.6
150°	3.5	3.5	3.5	2.6	1.7	0.8	0.8	0.8	0.8	1.7	1.7
152.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.8	0.8	0.8	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
2.5°	217.8	216.9	215.1	211.8	210.8	209.2	206.6	205.7	204.0	204.9	204.0
5°	219.4	217.8	211.8	208.3	204.0	201.4	198.9	197.1	195.5	194.6	193.7
7.5°	223.7	221.2	214.3	207.5	201.4	197.1	193.7	191.2	189.5	188.6	187.7
10°	234.9	231.5	221.2	211.8	202.3	196.3	192.0	189.5	187.7	187.7	187.7
12.5°	262.3	258.0	242.6	226.3	210.8	201.4	196.3	199.8	204.0	208.3	210.8
15°	301.8	296.6	277.7	254.6	231.5	217.8	218.6	225.5	230.6	235.8	236.6
17.5°	351.5	344.6	320.6	289.7	258.9	247.8	244.3	251.1	259.7	264.8	267.5
20°	413.2	404.6	373.8	330.9	300.0	283.8	276.0	278.7	288.1	296.6	297.5
22.5°	492.0	476.6	440.6	381.5	342.9	318.0	306.9	306.9	319.8	330.9	332.6
25°	592.4	577.8	520.4	445.8	389.2	351.5	338.6	341.2	358.3	372.9	374.6
27.5°	715.8	695.2	619.8	522.0	437.2	380.6	366.9	373.8	390.9	406.3	408.1
30°	863.3	830.6	734.7	604.4	484.4	409.8	388.3	396.9	412.4	428.6	428.6
32.5°	1030.4	991.9	864.1	691.8	528.9	430.4	400.3	411.4	426.9	443.1	442.3
35°	1211.3	1166.7	998.7	780.1	569.2	444.9	406.3	419.2	437.2	457.0	457.0
37.5°	1394.7	1349.3	1134.1	859.0	597.5	446.6	408.1	426.9	450.9	468.9	467.2
40°	1545.6	1483.9	1243.8	915.5	609.5	442.3	410.6	431.2	449.2	457.0	455.2
42.5°	1726.4	1647.6	1352.8	944.7	601.8	434.7	411.4	426.1	434.7	434.7	431.2
45°	1945.0	1855.0	1488.2	975.5	582.1	426.1	407.2	415.7	415.7	408.9	403.8
47.5°	2210.0	2088.3	1631.3	1003.0	562.3	418.3	402.9	406.3	396.9	386.6	383.2
50°	2518.5	2371.1	1789.0	1022.6	543.5	412.4	401.2	399.5	392.6	382.3	378.9
52.5°	2803.2	2637.7	1952.8	1038.1	523.8	409.8	401.2	401.2	394.3	379.7	376.3
55°	3083.5	2906.9	2084.0	1029.5	502.4	410.6	404.6	406.3	396.9	382.3	378.9
57.5°	3436.6	3246.3	2240.0	1014.2	480.1	412.4	408.1	409.8	401.2	387.5	384.0
60°	3681.8	3471.0	2351.4	990.1	459.5	412.4	409.8	412.4	409.8	402.9	400.3
62.5°	3827.6	3592.7	2363.4	935.3	444.1	408.9	408.1	416.6	422.6	420.0	417.5
65°	3937.2	3692.1	2336.8	864.1	426.1	399.5	403.8	417.5	427.8	428.6	427.8
67.5°	3852.4	3599.6	2208.2	780.9	404.6	387.5	396.1	411.4	426.9	432.1	431.2
70°	3591.8	3343.2	1987.1	678.9	379.7	368.6	380.6	401.2	417.5	423.5	421.8
72.5°	3056.1	2834.0	1682.8	581.2	350.6	343.7	356.6	380.6	394.3	397.7	395.2
75°	2529.7	2334.3	1351.0	479.2	318.9	312.9	324.9	343.7	353.2	353.2	348.9
77.5°	2022.2	1840.5	1063.9	397.7	286.3	279.5	290.6	301.8	303.5	297.5	293.2
80°	1588.4	1417.0	805.8	329.2	252.9	246.0	249.5	256.4	258.9	247.8	241.7
82.5°	1231.8	1078.4	605.2	272.6	220.3	211.8	214.3	217.8	218.6	204.9	198.0
85°	888.1	772.3	444.1	229.8	189.5	181.8	180.9	181.8	182.6	170.6	164.6
87.5°	609.5	528.9	324.9	192.9	163.8	156.0	154.3	153.4	153.4	140.6	134.6
90°	401.2	354.9	241.7	162.9	138.9	131.1	127.8	126.8	125.1	111.4	106.3
92.5°	260.6	238.3	179.1	133.7	114.9	108.0	103.7	101.2	98.6	85.7	80.6
95°	170.6	161.1	135.4	107.2	92.6	86.5	83.2	79.7	76.3	65.2	61.7
97.5°	120.9	117.4	105.5	86.5	73.8	69.5	66.9	64.3	61.7	52.3	50.5
100°	90.8	90.0	84.9	71.2	60.0	57.4	54.8	53.2	51.5	44.6	42.9
102.5°	70.3	71.2	69.5	58.3	50.5	48.0	46.3	44.6	43.7	38.6	37.7
105°	54.8	56.6	55.8	48.9	42.9	41.1	39.4	37.7	36.8	33.5	33.5
107.5°	42.9	44.6	45.4	40.3	36.8	35.2	33.5	31.7	31.7	30.0	30.0
110°	34.3	36.0	37.7	34.3	31.7	30.9	29.2	27.4	26.6	26.6	26.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	29.2	30.9	29.2	27.4	26.6	24.9	23.1	23.1	23.1	24.0
115°	23.1	24.9	25.7	24.9	24.0	24.0	21.5	19.7	18.8	20.6	20.6
117.5°	19.7	21.5	22.3	21.5	21.5	21.5	18.8	17.2	16.3	17.2	18.0
120°	17.2	18.0	18.8	18.8	18.8	18.8	17.2	14.5	13.7	15.4	15.4
122.5°	14.5	15.4	16.3	17.2	17.2	16.3	14.5	12.9	12.0	13.7	13.7
125°	12.9	13.7	14.5	15.4	15.4	14.5	12.9	11.2	10.3	12.0	12.0
127.5°	12.0	12.9	13.7	13.7	13.7	12.9	11.2	9.4	9.4	10.3	11.2
130°	12.0	12.0	12.9	12.9	12.0	11.2	9.4	7.7	7.7	9.4	9.4
132.5°	11.2	11.2	11.2	11.2	10.3	9.4	7.7	6.9	6.9	8.6	8.6
135°	9.4	9.4	9.4	9.4	8.6	7.7	6.9	5.1	6.0	6.9	6.9
137.5°	7.7	7.7	7.7	7.7	6.9	6.0	5.1	4.3	4.3	5.1	6.0
140°	6.0	6.9	6.9	6.0	5.1	5.1	3.5	2.6	3.5	4.3	4.3
142.5°	5.1	5.1	5.1	4.3	4.3	3.5	2.6	1.7	2.6	3.5	3.5
145°	4.3	4.3	4.3	4.3	3.5	1.7	0.8	0.8	1.7	1.7	1.7
147.5°	3.5	3.5	3.5	3.5	2.6	1.7	0.0	0.0	0.8	0.8	0.8
150°	2.6	2.6	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.8	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)