

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: P413745

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413745  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA 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: 7917 lumens  
Efficiency: N/A  
Efficacy: 82.5 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 - 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

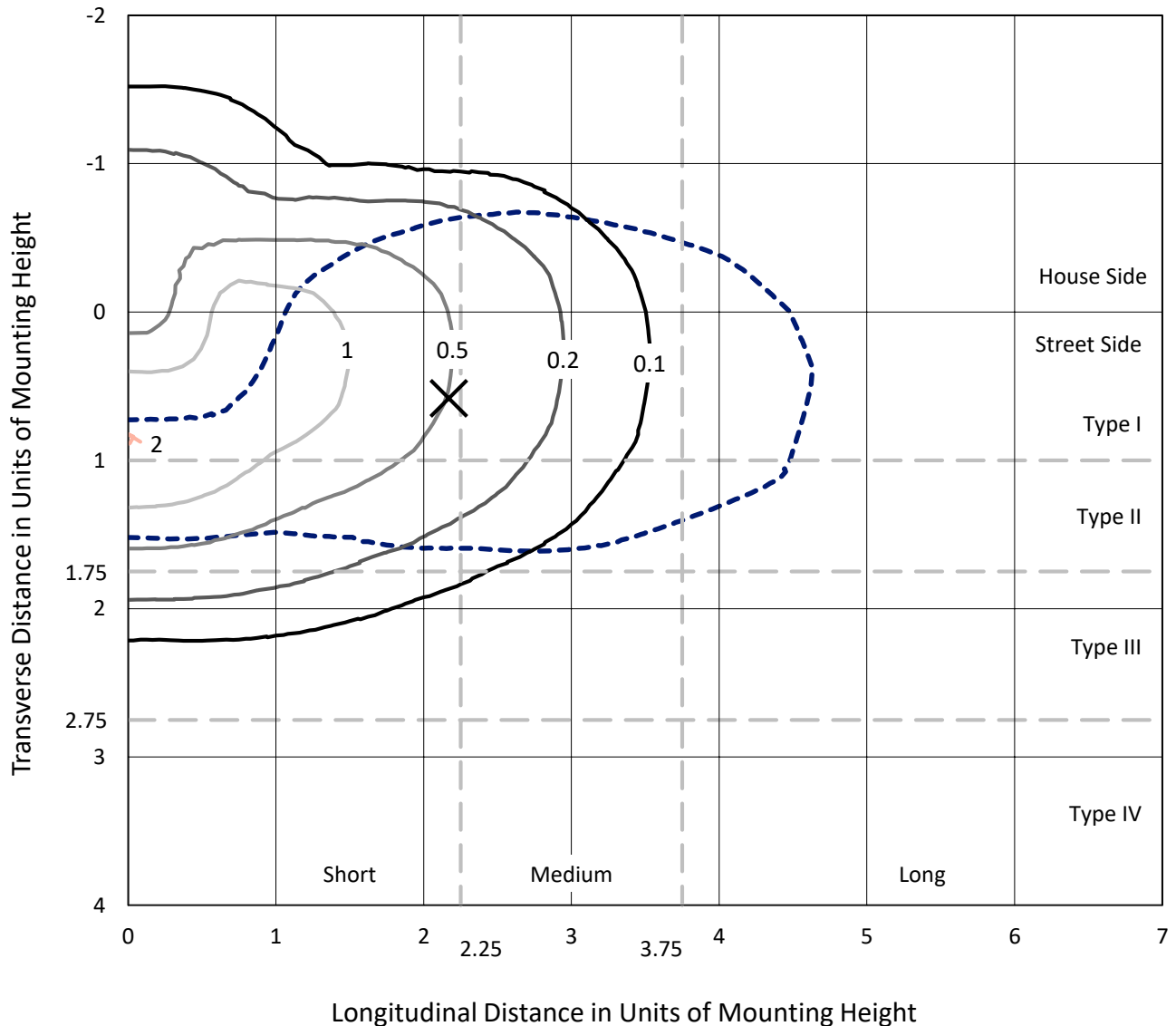


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

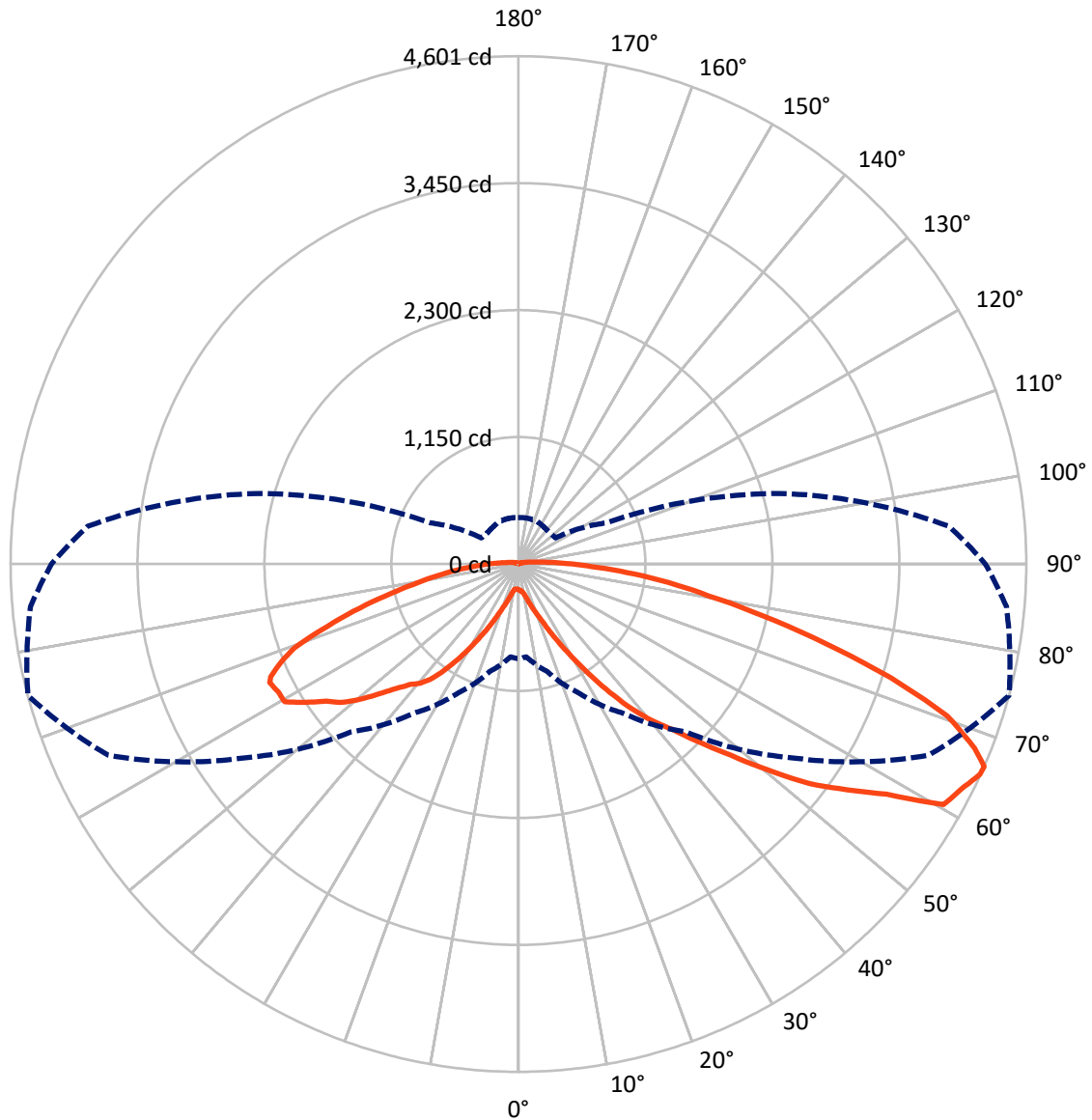


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2248.6	109.8	2358.4
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	5450.1	108.5	5558.6
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	7698.7	218.3	7917.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.6	0.3
10°-20°	99.4	1.3
20°-30°	301.7	3.8
30°-40°	746.3	9.4
40°-50°	1347.7	17.0
50°-60°	1821.0	23.0
60°-70°	1828.0	23.1
70°-80°	1104.1	13.9
80°-90°	426.8	5.4
90°-100°	126.7	1.6
100°-110°	45.8	0.6
110°-120°	22.2	0.3
120°-130°	13.1	0.2
130°-140°	7.8	0.1
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7698.7	97.2
0°-180°	7917.0	100.0



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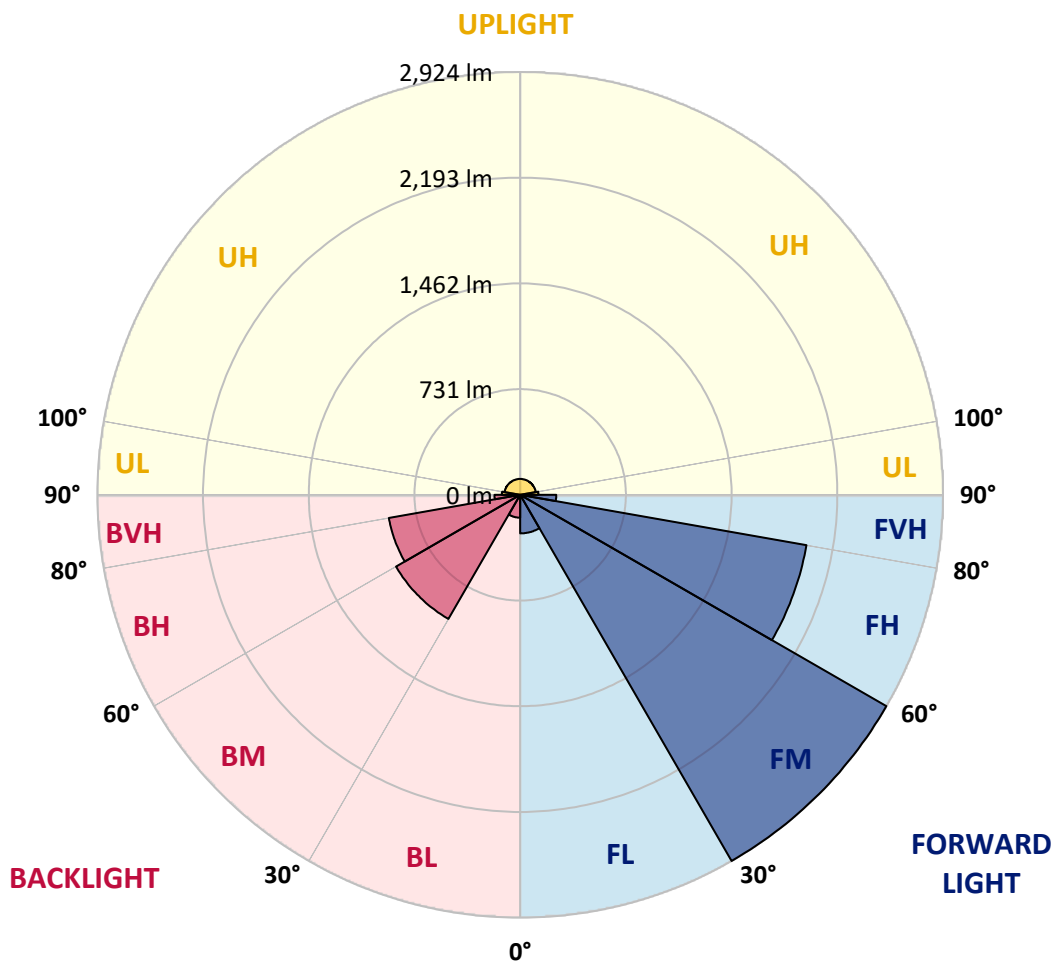
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.7	3.4			
FM	(30°-60°)	2923.9	36.9			
FH	(60°-80°)	2010.2	25.4			G2/5000
FVH	(80°-90°)	249.3	3.1			G3/500
BL	(0°-30°)	158.1	2.0	B1/500		
BM	(30°-60°)	991.2	12.5	B1/1000		
BH	(60°-80°)	921.8	11.6	B2/1000		G2/1000
BVH	(80°-90°)	177.5	2.2			G2/225
UL	(90°-100°)	126.7	1.6		U3/500	
UH	(100°-180°)	109.8	1.4		U3/500	

**BUG Rating: B2-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7
2.5°	257.5	255.6	253.8	252.0	250.2	248.3	244.7	240.1	236.5	236.5	232.8
5°	281.2	279.4	276.6	273.0	269.3	265.7	258.4	251.1	243.8	243.8	237.4
7.5°	310.4	309.5	305.9	301.3	293.1	284.9	275.7	264.8	254.7	253.8	245.6
10°	347.9	346.0	340.6	334.2	325.0	314.1	301.3	287.6	273.0	272.1	262.0
12.5°	399.9	396.2	387.1	377.1	359.7	348.8	334.2	321.4	310.4	307.7	294.0
15°	467.5	462.9	452.9	435.5	412.7	392.6	384.4	370.7	358.8	355.2	342.4
17.5°	554.2	549.6	532.3	504.9	481.2	461.1	442.8	429.1	419.1	418.2	399.9
20°	672.9	661.9	633.6	595.3	564.2	539.6	514.0	498.5	488.5	484.8	473.8
22.5°	819.0	816.2	776.1	725.8	674.7	630.0	601.7	584.3	577.0	577.9	571.5
25°	1005.2	997.0	958.7	885.6	808.9	752.3	713.1	702.1	701.2	694.8	692.1
27.5°	1204.3	1193.3	1143.1	1072.8	971.4	894.7	850.9	839.1	841.8	834.5	840.0
30°	1448.0	1442.5	1369.5	1267.3	1157.7	1057.3	1011.6	1001.6	1008.0	1017.1	1011.6
32.5°	1749.3	1757.5	1658.0	1520.2	1366.8	1250.8	1200.6	1196.9	1206.1	1204.3	1201.5
35°	2116.3	2131.0	1993.1	1826.0	1615.1	1477.2	1414.2	1409.7	1427.9	1426.1	1427.9
37.5°	2508.9	2515.3	2403.0	2138.3	1892.7	1701.8	1649.8	1644.3	1661.7	1651.6	1641.6
40°	2818.4	2848.6	2717.1	2489.8	2169.3	1974.8	1911.8	1881.7	1866.2	1855.2	1782.2
42.5°	3111.5	3093.3	3000.1	2747.2	2453.2	2241.4	2157.4	2100.8	2050.6	2043.3	1963.0
45°	3303.3	3280.4	3191.9	2958.1	2682.4	2507.1	2429.5	2361.0	2304.4	2278.9	2182.1
47.5°	3314.2	3303.3	3282.3	3107.0	2865.9	2713.4	2687.9	2651.4	2589.3	2590.2	2466.0
50°	3147.1	3129.8	3191.0	3124.3	2957.2	2876.9	2973.7	3013.8	2934.4	2926.2	2797.4
52.5°	2851.3	2842.2	2953.6	3019.3	2960.0	2991.0	3221.1	3367.2	3305.1	3272.2	3106.0
55°	2551.8	2562.8	2659.6	2765.5	2863.2	3023.9	3440.2	3731.4	3609.1	3587.2	3379.9
57.5°	2143.7	2180.3	2324.5	2490.7	2644.1	2978.2	3555.2	3962.4	3931.4	3923.2	3746.1
60°	1696.4	1692.7	1906.4	2148.3	2400.3	2827.6	3561.6	4252.8	4425.3	4386.1	4135.9
62.5°	1317.5	1326.6	1480.0	1783.1	2120.9	2598.4	3474.0	4382.4	4497.5	4452.7	4234.5
65°	954.1	968.7	1155.9	1400.5	1782.2	2288.9	3224.7	4206.2	4595.2	4567.8	4444.5
66°	857.3	844.5	1008.9	1286.4	1648.9	2152.0	3067.7	4099.4	4600.6	4585.1	4438.1
67.5°	689.3	705.8	832.7	1074.6	1434.3	1933.7	2783.8	3928.7	4458.2	4437.2	4338.6
70°	510.4	525.9	612.6	806.2	1088.3	1542.1	2301.7	3393.6	4122.2	4137.7	4126.8
72.5°	378.0	394.4	453.8	593.5	805.3	1146.7	1824.2	2860.4	3525.1	3561.6	3536.1
75°	294.0	300.4	349.7	447.4	588.9	808.0	1349.4	2216.8	2869.6	2937.1	2960.9
77.5°	236.5	241.9	282.1	345.1	441.0	589.8	945.9	1652.5	2271.6	2319.0	2363.8
80°	190.8	194.5	227.3	277.6	337.8	421.8	638.2	1200.6	1742.9	1770.3	1836.1
82.5°	153.4	156.1	179.9	222.8	270.2	320.5	453.8	838.1	1368.6	1394.2	1477.2
85°	120.5	122.3	143.3	177.1	217.3	253.8	327.8	592.5	986.0	1009.8	1110.2
87.5°	95.0	96.8	113.2	137.9	175.3	200.9	241.9	399.0	665.6	699.4	813.5
90°	74.9	75.8	87.6	106.8	136.0	163.4	189.9	278.5	443.7	462.9	526.8
92.5°	56.6	57.5	66.6	81.3	105.9	129.6	145.2	192.6	283.9	292.2	337.8
95°	42.0	42.9	50.2	59.3	79.4	101.3	112.3	135.1	178.9	189.9	201.8
97.5°	32.9	33.8	38.3	43.8	58.4	79.4	89.5	99.5	122.3	126.0	135.1
100°	28.3	28.3	31.0	34.7	43.8	62.1	70.3	78.5	92.2	92.2	97.7
102.5°	23.7	23.7	25.6	27.4	35.6	49.3	56.6	62.1	69.4	70.3	74.9
105°	21.0	21.0	21.9	23.7	30.1	40.2	46.6	49.3	53.9	53.9	55.7
107.5°	18.3	18.3	19.2	20.1	26.5	33.8	37.4	38.3	40.2	40.2	42.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	17.3	17.3	17.3	18.3	22.8	29.2	31.0	30.1	31.0	31.0	33.8
112.5°	16.4	15.5	15.5	16.4	21.0	25.6	25.6	24.7	24.7	24.7	27.4
115°	15.5	15.5	14.6	15.5	19.2	21.9	21.9	20.1	20.1	20.1	22.8
117.5°	15.5	15.5	14.6	14.6	17.3	20.1	19.2	17.3	16.4	17.3	20.1
120°	15.5	15.5	13.7	13.7	16.4	17.3	17.3	14.6	14.6	14.6	17.3
122.5°	15.5	15.5	13.7	13.7	15.5	16.4	15.5	12.8	12.8	12.8	15.5
125°	16.4	15.5	13.7	13.7	14.6	14.6	13.7	11.9	11.0	11.0	13.7
127.5°	16.4	16.4	14.6	13.7	13.7	13.7	12.8	11.0	10.0	10.0	12.8
130°	18.3	17.3	15.5	13.7	12.8	11.9	11.0	10.0	10.0	10.0	11.9
132.5°	18.3	18.3	15.5	12.8	11.9	11.0	10.0	8.2	9.1	9.1	11.0
135°	17.3	16.4	13.7	11.9	11.0	9.1	8.2	7.3	8.2	8.2	10.0
137.5°	15.5	14.6	12.8	10.0	9.1	7.3	6.4	5.5	6.4	6.4	8.2
140°	12.8	12.8	10.0	8.2	7.3	6.4	5.5	3.7	4.6	5.5	6.4
142.5°	11.0	10.0	8.2	6.4	5.5	4.6	3.7	2.7	3.7	3.7	4.6
145°	9.1	8.2	6.4	4.6	3.7	2.7	1.8	1.8	1.8	1.8	2.7
147.5°	7.3	6.4	4.6	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8
150°	5.5	5.5	3.7	1.8	0.9	0.9	0.0	0.9	0.9	0.9	0.9
152.5°	4.6	4.6	2.7	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	2.7	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	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°	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7
2.5°	231.9	230.1	228.3	226.4	224.6	223.7	220.9	219.1	219.1	219.1	218.2
5°	234.6	231.0	226.4	222.8	218.2	214.6	211.8	209.1	207.3	207.3	207.3
7.5°	241.0	237.4	229.2	221.9	215.5	210.0	206.3	203.6	202.7	201.8	201.8
10°	255.6	249.3	238.3	227.3	218.2	210.9	207.3	205.4	204.5	204.5	204.5
12.5°	288.5	279.4	262.9	244.7	229.2	218.2	214.6	214.6	220.0	222.8	222.8
15°	332.3	324.1	304.9	279.4	254.7	236.5	233.7	240.1	247.4	251.1	250.2
17.5°	392.6	381.6	356.1	322.3	289.4	271.2	262.9	269.3	278.5	283.0	283.0
20°	463.8	452.9	418.2	372.5	332.3	312.2	299.5	299.5	311.3	315.0	316.8
22.5°	561.5	545.1	495.8	432.8	380.7	349.7	334.2	331.4	345.1	351.5	349.7
25°	671.1	658.3	600.8	506.7	439.2	388.9	367.9	367.9	385.3	399.9	400.8
27.5°	824.4	792.5	712.1	597.1	495.8	425.5	402.6	407.2	425.5	440.1	440.1
30°	985.1	962.3	844.5	693.0	550.5	459.2	426.4	433.7	450.1	466.5	466.5
32.5°	1179.6	1141.3	996.1	787.9	600.8	481.2	439.2	449.2	468.4	484.8	484.8
35°	1369.5	1338.5	1148.6	887.4	644.6	490.3	444.6	456.5	478.4	498.5	500.3
37.5°	1590.5	1522.9	1297.4	976.9	676.5	492.1	442.8	463.8	493.0	515.8	516.8
40°	1722.8	1641.6	1397.8	1043.6	691.1	485.7	442.8	469.3	493.9	502.2	501.2
42.5°	1879.9	1777.6	1468.1	1051.8	672.9	472.9	441.9	462.9	473.8	473.8	472.9
45°	2090.8	1975.7	1579.5	1056.3	635.5	457.4	434.6	448.3	445.5	437.3	434.6
47.5°	2349.2	2209.5	1721.0	1072.8	598.9	441.9	426.4	430.0	417.2	399.0	398.1
50°	2657.8	2493.4	1887.2	1090.1	567.0	429.1	419.1	415.4	402.6	387.1	385.3
52.5°	2947.2	2749.1	2037.8	1102.0	540.5	420.9	413.6	412.7	399.9	379.8	378.0
55°	3209.2	2971.8	2139.2	1079.2	516.8	417.2	413.6	414.5	398.1	378.0	375.2
57.5°	3588.1	3327.9	2299.9	1045.4	488.5	416.3	416.3	417.2	397.2	378.0	375.2
60°	3917.7	3628.3	2457.8	1042.7	461.1	415.4	417.2	416.3	401.7	389.9	387.1
62.5°	4030.9	3755.2	2465.1	976.9	443.7	410.9	413.6	418.2	415.4	409.9	407.2
65°	4244.6	3943.3	2496.2	903.0	419.1	402.6	409.0	420.9	422.7	419.1	416.3
66°	4229.0	3916.8	2466.0	880.1	410.9	398.1	406.3	419.1	422.7	421.8	420.0
67.5°	4152.3	3848.3	2366.5	815.3	399.0	389.9	401.7	414.5	422.7	425.5	423.6
70°	3945.1	3642.0	2168.4	717.6	376.2	370.7	387.1	403.5	417.2	421.8	420.9
72.5°	3361.7	3073.2	1814.1	612.6	344.2	343.3	362.5	382.5	399.0	403.5	401.7
75°	2822.1	2538.2	1490.0	504.9	311.3	312.2	330.5	349.7	362.5	362.5	363.4
77.5°	2262.4	2022.3	1180.5	419.1	277.6	277.6	290.3	305.9	314.1	310.4	304.9
80°	1740.2	1581.3	922.1	350.6	243.8	241.9	248.3	260.2	266.6	258.4	252.0
82.5°	1405.1	1268.2	729.5	292.2	210.9	209.1	211.8	220.0	223.7	214.6	211.8
85°	1066.4	943.1	548.7	240.1	182.6	178.0	182.6	184.4	189.0	180.8	175.3
87.5°	754.1	668.3	398.1	199.9	156.1	153.4	152.5	154.3	157.0	151.6	148.8
90°	506.7	444.6	287.6	167.1	133.3	128.7	126.9	126.9	128.7	119.6	116.9
92.5°	325.0	287.6	199.9	133.3	111.4	105.9	102.3	103.2	102.3	93.1	91.3
95°	202.7	183.5	144.3	105.0	89.5	84.9	81.3	80.3	79.4	73.0	71.2
97.5°	132.4	126.0	107.7	83.1	71.2	67.6	65.7	64.8	64.8	60.3	57.5
100°	98.6	95.9	84.9	69.4	58.4	55.7	53.9	53.9	55.7	52.0	50.2
102.5°	76.7	77.6	69.4	58.4	49.3	47.5	45.7	45.7	47.5	45.7	44.7
105°	58.4	58.4	56.6	48.4	42.0	41.1	39.3	39.3	41.1	41.1	41.1
107.5°	45.7	47.5	45.7	40.2	36.5	35.6	33.8	33.8	35.6	36.5	37.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.5	38.3	37.4	34.7	32.0	31.0	29.2	28.3	30.1	32.9	32.9
112.5°	29.2	31.0	31.0	29.2	27.4	27.4	25.6	24.7	26.5	29.2	29.2
115°	24.7	26.5	26.5	25.6	24.7	23.7	21.9	21.0	22.8	25.6	26.5
117.5°	21.0	22.8	22.8	22.8	21.9	21.0	19.2	18.3	19.2	21.9	22.8
120°	19.2	20.1	20.1	20.1	19.2	19.2	17.3	16.4	17.3	20.1	20.1
122.5°	16.4	17.3	18.3	18.3	17.3	17.3	15.5	13.7	14.6	17.3	18.3
125°	14.6	15.5	16.4	16.4	15.5	15.5	13.7	12.8	13.7	15.5	16.4
127.5°	13.7	14.6	14.6	14.6	14.6	13.7	11.9	11.0	11.9	14.6	14.6
130°	12.8	13.7	13.7	13.7	12.8	11.9	11.0	10.0	11.0	13.7	13.7
132.5°	11.9	12.8	12.8	11.9	11.9	11.0	9.1	8.2	10.0	11.9	11.9
135°	10.0	11.0	11.0	11.0	10.0	9.1	8.2	7.3	9.1	10.0	10.0
137.5°	8.2	9.1	9.1	9.1	8.2	7.3	6.4	6.4	7.3	9.1	9.1
140°	6.4	7.3	7.3	7.3	6.4	6.4	5.5	4.6	6.4	7.3	7.3
142.5°	4.6	5.5	5.5	5.5	4.6	4.6	3.7	3.7	5.5	6.4	6.4
145°	2.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7	4.6	4.6
147.5°	1.8	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	3.7	3.7
150°	0.9	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	2.7
152.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.0
157.5°	0.0	0.0	0.0	0.9	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)