

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: P413788

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
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-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8400 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - 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

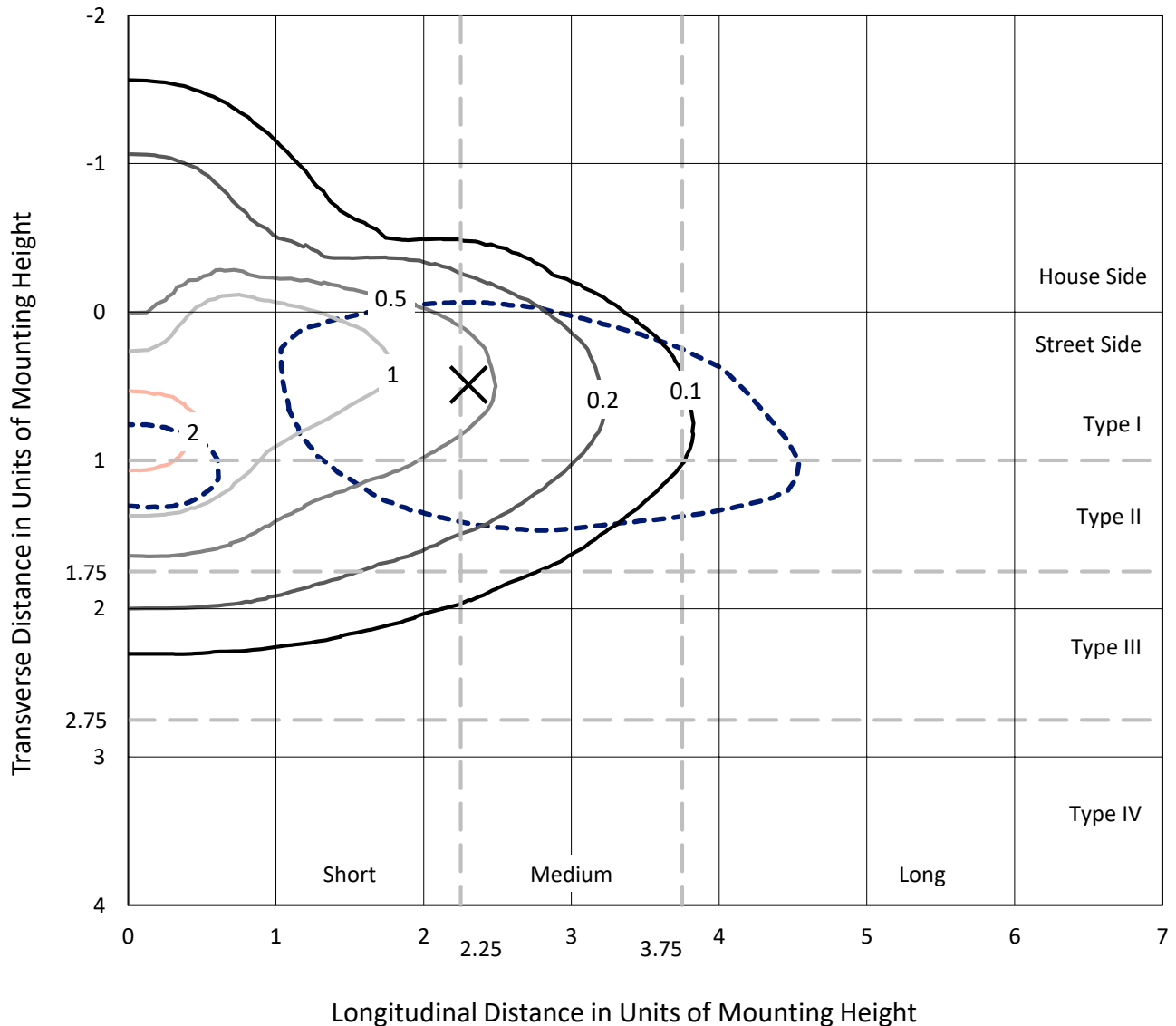


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

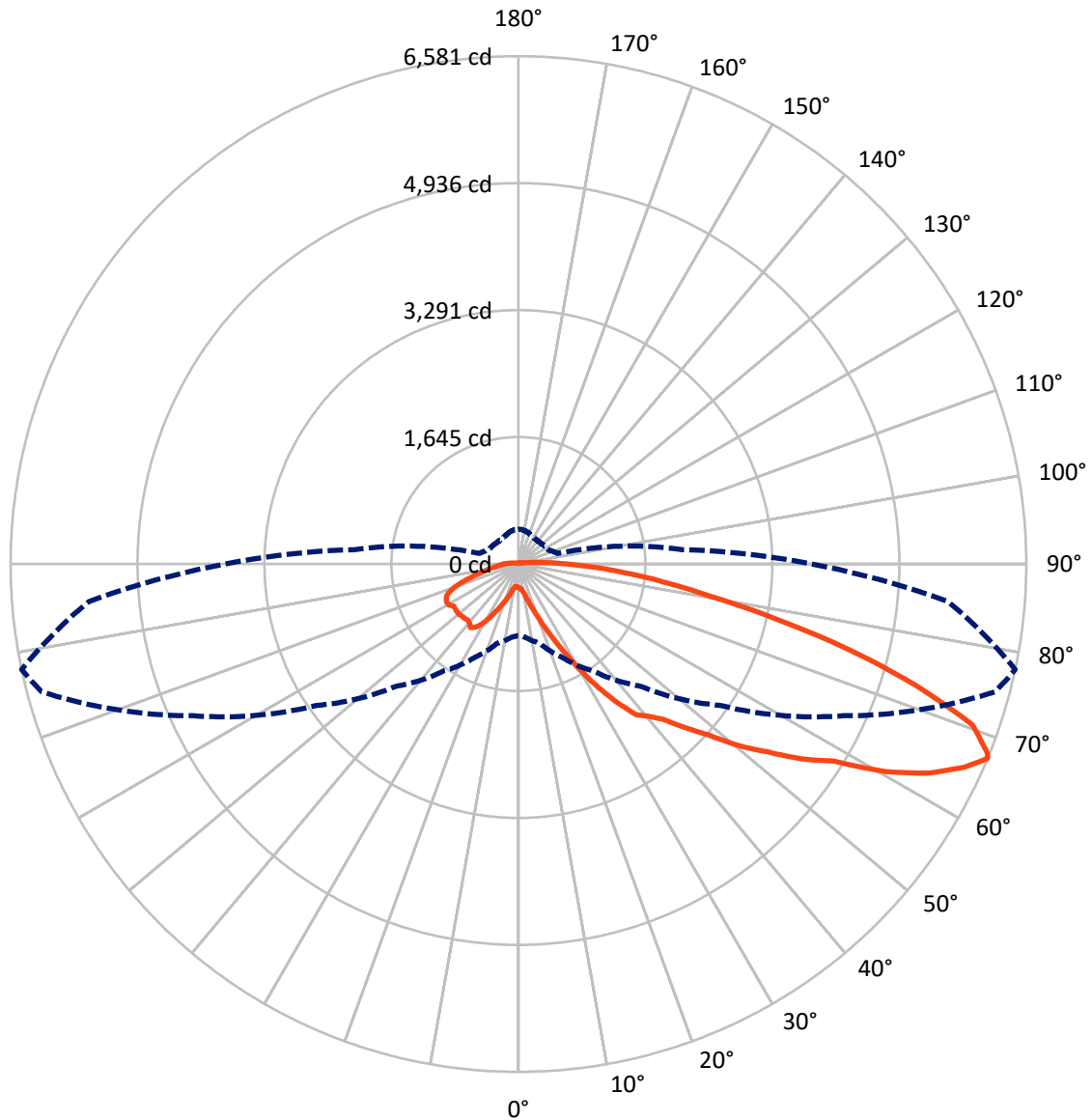


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1554.0	127.1	1681.1
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	6583.5	135.4	6718.9
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	8137.5	262.5	8400.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	0.4
10°-20°	130.6	1.6
20°-30°	392.0	4.7
30°-40°	897.2	10.7
40°-50°	1433.0	17.1
50°-60°	1766.0	21.0
60°-70°	1840.7	21.9
70°-80°	1193.5	14.2
80°-90°	453.7	5.4
90°-100°	140.2	1.7
100°-110°	53.9	0.6
110°-120°	29.1	0.3
120°-130°	19.2	0.2
130°-140°	12.7	0.2
140°-150°	5.7	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8137.5	96.9
0°-180°	8400.0	100.0

**Coefficient of Utilization**



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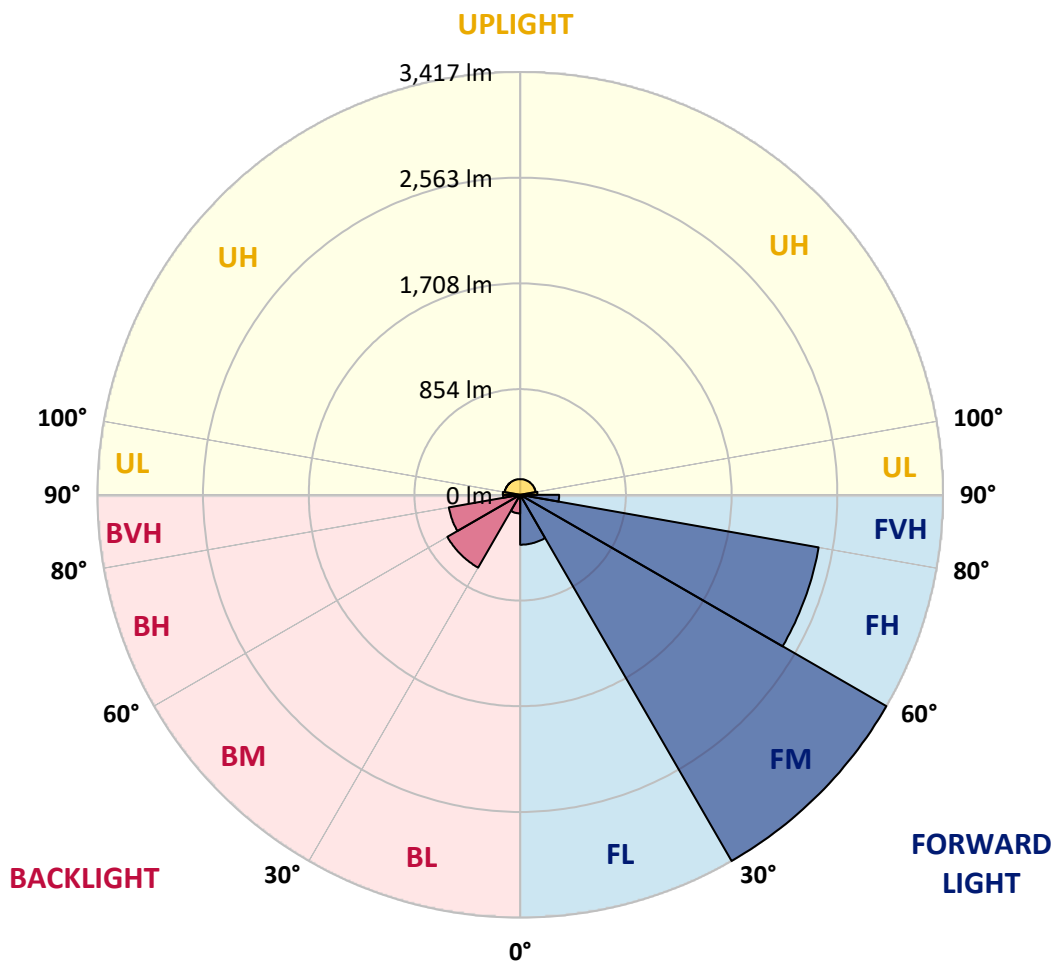
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.3	4.8			
FM	(30°-60°)	3416.7	40.7			
FH	(60°-80°)	2448.7	29.2			G2/5000
FVH	(80°-90°)	314.7	3.7			G3/500
BL	(0°-30°)	150.1	1.8	B1/500		
BM	(30°-60°)	679.4	8.1	B1/1000		
BH	(60°-80°)	585.5	7.0	B2/1000		G2/1000
BVH	(80°-90°)	139.0	1.7			G2/225
UL	(90°-100°)	140.2	1.7		U3/500	
UH	(100°-180°)	127.1	1.5		U3/500	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2
2.5°	346.0	345.0	344.0	342.0	338.0	334.1	328.1	320.2	314.2	313.2	307.2
5°	389.8	386.8	386.8	381.8	373.8	365.9	354.0	340.0	329.1	323.1	314.2
7.5°	443.4	437.5	439.5	431.5	420.6	406.7	387.8	368.9	348.0	342.0	329.1
10°	508.1	504.1	500.1	490.2	477.2	455.4	437.5	409.6	381.8	373.8	354.0
12.5°	586.6	587.6	575.7	564.7	542.9	521.0	499.1	472.3	441.5	432.5	406.7
15°	697.0	696.0	683.1	658.2	631.4	607.5	589.6	560.8	530.9	521.0	482.2
17.5°	826.2	823.3	813.3	769.6	742.7	723.8	698.0	680.1	637.3	626.4	578.7
20°	1015.1	997.2	974.4	915.7	875.9	852.1	831.2	808.3	762.6	743.7	687.0
22.5°	1224.9	1233.9	1192.1	1101.6	1035.0	991.3	969.4	957.5	922.7	909.8	824.2
25°	1485.4	1485.4	1419.8	1320.4	1233.9	1152.4	1147.4	1161.3	1114.6	1105.6	1015.1
27.5°	1759.8	1770.8	1684.3	1577.9	1446.7	1351.2	1346.2	1358.2	1354.2	1328.3	1199.1
30°	2073.0	2063.1	1965.7	1836.4	1662.4	1550.1	1536.1	1622.6	1629.6	1611.7	1470.5
32.5°	2437.9	2430.0	2307.7	2107.8	1893.1	1763.8	1772.8	1895.1	1942.8	1912.0	1746.9
35°	2881.4	2891.3	2699.4	2418.0	2134.7	1985.5	1995.5	2148.6	2238.1	2200.3	2014.4
37.5°	3336.7	3339.7	3163.7	2782.9	2394.2	2182.4	2206.3	2393.2	2508.5	2477.7	2222.2
40°	3625.1	3654.9	3485.9	3124.0	2667.6	2379.3	2399.2	2584.1	2651.7	2594.0	2293.8
42.5°	3877.6	3900.5	3728.5	3339.7	2875.4	2555.3	2548.3	2688.5	2785.9	2750.1	2440.9
45°	4001.9	4046.7	3891.5	3489.9	3021.6	2692.5	2638.8	2848.6	3065.3	3020.6	2679.5
47.5°	3911.4	3966.1	3900.5	3568.4	3087.2	2779.0	2790.9	3079.2	3359.6	3309.9	2940.0
50°	3616.1	3681.8	3703.6	3509.8	3104.1	2821.7	2949.0	3336.7	3712.6	3702.6	3260.2
52.5°	3260.2	3295.0	3390.4	3332.8	3041.5	2871.4	3120.0	3586.3	4076.5	4045.7	3525.7
55°	2931.1	2976.8	3055.4	3021.6	2886.3	2877.4	3255.2	3864.7	4463.3	4459.3	3859.7
57.5°	2477.7	2541.3	2706.4	2725.3	2685.5	2840.6	3353.7	4083.4	4805.3	4819.2	4194.8
60°	1902.0	1955.7	2206.3	2406.1	2440.9	2754.1	3403.4	4324.1	5389.9	5462.5	4780.4
62.5°	1542.1	1552.0	1742.0	1991.5	2228.1	2596.0	3411.3	4628.3	5901.0	5966.6	5131.4
65°	1154.3	1152.4	1327.3	1611.7	1940.8	2411.1	3386.5	4723.7	6178.4	6346.4	5466.5
67°	927.6	949.5	1061.9	1332.3	1692.2	2238.1	3193.6	4653.2	6396.1	6581.0	5588.8
67.5°	891.9	902.8	1005.2	1260.7	1635.6	2186.4	3136.9	4635.3	6395.1	6552.2	5552.0
70°	711.9	726.8	801.4	970.4	1308.5	1847.3	2738.2	4219.7	6016.3	6245.0	5214.9
72.5°	549.8	561.8	614.5	742.7	996.3	1487.4	2264.9	3631.1	5209.9	5390.9	4421.5
75°	418.6	422.6	472.3	559.8	760.6	1134.5	1748.9	2859.5	4284.3	4421.5	3593.3
77.5°	324.1	333.1	370.9	429.5	564.7	854.1	1316.4	2227.2	3408.3	3387.5	2732.2
80°	252.5	260.5	288.3	329.1	423.6	627.4	963.4	1646.5	2489.6	2514.5	2000.5
82.5°	202.8	208.8	227.7	257.5	326.1	477.2	703.9	1230.9	1893.1	1884.1	1466.5
85°	162.1	166.0	180.0	205.8	251.5	361.9	520.0	914.7	1336.3	1347.2	1001.2
87.5°	126.3	131.2	147.2	163.1	198.9	275.4	383.8	634.3	888.9	897.8	688.0
90°	98.4	101.4	115.3	132.2	161.1	208.8	277.4	434.5	572.7	561.8	442.4
92.5°	72.6	75.6	88.5	104.4	125.3	161.1	199.8	278.4	335.1	342.0	276.4
95°	51.7	54.7	65.6	77.6	95.4	122.3	142.2	177.0	205.8	199.8	177.0
97.5°	39.8	40.8	48.7	57.7	72.6	94.5	105.4	122.3	135.2	132.2	123.3
100°	31.8	32.8	38.8	43.7	56.7	74.6	84.5	93.5	101.4	98.4	94.5
102.5°	26.8	27.8	31.8	35.8	46.7	62.6	68.6	74.6	77.6	77.6	75.6
105°	22.9	23.9	26.8	30.8	39.8	51.7	55.7	58.7	61.6	60.7	60.7
107.5°	20.9	20.9	23.9	26.8	34.8	43.7	45.7	46.7	47.7	47.7	49.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	18.9	19.9	21.9	23.9	30.8	38.8	38.8	37.8	37.8	37.8	40.8
112.5°	17.9	18.9	19.9	22.9	28.8	33.8	32.8	30.8	30.8	31.8	34.8
115°	17.9	17.9	18.9	21.9	26.8	30.8	28.8	25.9	25.9	26.8	29.8
117.5°	17.9	17.9	19.9	21.9	25.9	27.8	25.9	22.9	21.9	22.9	25.9
120°	18.9	18.9	19.9	21.9	23.9	25.9	23.9	20.9	19.9	20.9	23.9
122.5°	19.9	19.9	19.9	21.9	22.9	23.9	21.9	18.9	17.9	18.9	21.9
125°	20.9	20.9	20.9	21.9	22.9	21.9	19.9	17.9	17.9	17.9	20.9
127.5°	22.9	22.9	22.9	22.9	21.9	20.9	18.9	16.9	17.9	17.9	19.9
130°	24.9	24.9	23.9	22.9	21.9	19.9	17.9	15.9	16.9	17.9	19.9
132.5°	25.9	24.9	23.9	21.9	20.9	17.9	15.9	14.9	15.9	16.9	18.9
135°	23.9	23.9	21.9	19.9	18.9	15.9	13.9	13.9	14.9	15.9	16.9
137.5°	20.9	20.9	19.9	17.9	16.9	14.9	12.9	11.9	13.9	14.9	15.9
140°	17.9	17.9	16.9	14.9	13.9	12.9	10.9	9.9	11.9	12.9	13.9
142.5°	14.9	14.9	13.9	11.9	11.9	10.9	8.9	8.9	10.9	10.9	11.9
145°	11.9	11.9	11.9	9.9	9.9	8.9	7.0	8.0	8.9	9.9	9.9
147.5°	9.9	9.9	9.9	8.0	8.0	7.0	5.0	6.0	7.0	8.0	8.0
150°	8.0	8.0	8.0	7.0	6.0	5.0	4.0	5.0	5.0	6.0	6.0
152.5°	6.0	6.0	6.0	5.0	5.0	3.0	3.0	4.0	4.0	5.0	5.0
155°	4.0	4.0	5.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2
2.5°	304.2	302.3	297.3	292.3	287.3	283.4	278.4	277.4	277.4	275.4	275.4
5°	308.2	302.3	290.3	280.4	269.4	260.5	253.5	250.6	247.6	245.6	243.6
7.5°	317.2	307.2	287.3	271.4	255.5	241.6	231.7	226.7	223.7	220.7	221.7
10°	338.0	323.1	294.3	268.5	244.6	225.7	213.8	207.8	205.8	202.8	202.8
12.5°	382.8	362.9	321.1	277.4	240.6	214.8	200.8	198.9	200.8	203.8	203.8
15°	453.4	423.6	362.9	302.3	249.6	212.8	204.8	210.8	217.7	221.7	221.7
17.5°	539.9	499.1	412.6	331.1	262.5	230.7	220.7	228.7	237.6	243.6	243.6
20°	635.3	580.7	463.3	355.9	281.4	255.5	244.6	251.5	263.5	272.4	271.4
22.5°	759.6	680.1	522.0	377.8	304.2	278.4	271.4	280.4	298.3	310.2	311.2
25°	913.7	804.4	590.6	406.7	325.1	298.3	300.3	316.2	340.0	353.0	353.0
27.5°	1077.8	939.6	649.3	435.5	347.0	319.2	329.1	351.0	376.8	391.7	393.7
30°	1294.5	1113.6	722.8	464.3	365.9	340.0	352.0	377.8	396.7	405.7	406.7
32.5°	1515.3	1278.6	781.5	494.1	383.8	355.0	365.9	390.7	407.6	417.6	416.6
35°	1715.1	1411.9	816.3	508.1	399.7	365.9	370.9	397.7	407.6	413.6	412.6
37.5°	1868.2	1507.3	829.2	511.1	405.7	370.9	372.8	395.7	409.6	420.6	418.6
40°	1894.1	1494.4	780.5	493.2	404.7	370.9	374.8	400.7	415.6	420.6	419.6
42.5°	1989.5	1530.2	738.7	461.3	392.7	369.9	378.8	402.7	409.6	406.7	403.7
45°	2155.6	1605.7	726.8	445.4	377.8	366.9	380.8	397.7	396.7	390.7	388.8
47.5°	2319.6	1678.3	701.0	438.5	373.8	365.9	379.8	391.7	394.7	388.8	386.8
50°	2528.4	1774.8	680.1	428.5	374.8	365.9	377.8	391.7	393.7	383.8	382.8
52.5°	2715.3	1841.4	649.3	419.6	375.8	368.9	377.8	391.7	392.7	382.8	380.8
55°	2910.2	1912.0	617.4	410.6	378.8	371.9	380.8	392.7	393.7	386.8	384.8
57.5°	3105.1	1973.6	581.6	403.7	381.8	377.8	382.8	393.7	401.7	399.7	399.7
60°	3502.8	2150.6	575.7	404.7	384.8	382.8	384.8	398.7	413.6	408.6	409.6
62.5°	3659.9	2188.4	564.7	417.6	393.7	386.8	387.8	402.7	418.6	425.5	424.6
65°	3803.1	2191.4	542.9	426.5	404.7	389.8	389.8	403.7	430.5	446.4	446.4
67°	3795.1	2131.7	527.0	427.5	409.6	392.7	388.8	403.7	431.5	449.4	450.4
67.5°	3749.4	2092.9	521.0	427.5	410.6	392.7	387.8	402.7	431.5	450.4	450.4
70°	3474.0	1889.1	482.2	416.6	407.6	387.8	381.8	392.7	425.5	451.4	451.4
72.5°	2877.4	1555.0	427.5	389.8	388.8	374.8	365.9	377.8	409.6	436.5	435.5
75°	2325.6	1242.8	372.8	350.0	359.9	350.0	343.0	352.0	382.8	409.6	407.6
77.5°	1738.0	933.6	322.1	312.2	326.1	319.2	313.2	322.1	352.0	377.8	373.8
80°	1284.6	719.8	280.4	276.4	286.3	284.4	282.4	286.3	312.2	329.1	326.1
82.5°	945.5	547.8	241.6	238.6	250.6	250.6	250.6	253.5	272.4	278.4	275.4
85°	672.1	412.6	212.8	204.8	214.8	219.7	222.7	223.7	233.7	234.6	227.7
87.5°	473.3	325.1	190.9	174.0	179.0	189.9	194.9	193.9	197.9	194.9	187.9
90°	330.1	255.5	173.0	148.1	148.1	159.1	167.0	166.0	167.0	159.1	152.1
92.5°	232.7	192.9	146.2	122.3	120.3	131.2	138.2	137.2	137.2	129.3	122.3
95°	156.1	142.2	116.3	98.4	95.4	104.4	111.4	109.4	109.4	101.4	98.4
97.5°	115.3	108.4	95.4	83.5	77.6	82.5	87.5	87.5	88.5	83.5	80.5
100°	90.5	87.5	81.5	71.6	65.6	66.6	69.6	69.6	73.6	69.6	67.6
102.5°	75.6	73.6	68.6	61.6	56.7	55.7	57.7	58.7	63.6	60.7	59.7
105°	62.6	61.6	58.7	52.7	48.7	48.7	48.7	49.7	54.7	52.7	52.7
107.5°	50.7	50.7	50.7	45.7	42.8	42.8	41.8	42.8	46.7	46.7	46.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	42.8	42.8	43.7	39.8	37.8	37.8	36.8	37.8	41.8	42.8	42.8
112.5°	36.8	36.8	37.8	35.8	33.8	33.8	32.8	32.8	36.8	39.8	39.8
115°	31.8	32.8	32.8	31.8	30.8	29.8	28.8	29.8	33.8	36.8	36.8
117.5°	27.8	28.8	29.8	28.8	27.8	26.8	25.9	26.8	30.8	34.8	34.8
120°	24.9	25.9	26.8	26.8	25.9	24.9	22.9	24.9	27.8	31.8	32.8
122.5°	22.9	23.9	23.9	23.9	23.9	21.9	20.9	21.9	24.9	28.8	29.8
125°	21.9	21.9	22.9	22.9	21.9	19.9	18.9	19.9	21.9	24.9	25.9
127.5°	20.9	20.9	21.9	21.9	19.9	17.9	16.9	17.9	19.9	21.9	21.9
130°	20.9	20.9	20.9	19.9	18.9	16.9	14.9	15.9	17.9	19.9	19.9
132.5°	19.9	18.9	18.9	18.9	16.9	14.9	13.9	13.9	15.9	17.9	17.9
135°	17.9	17.9	16.9	16.9	15.9	12.9	11.9	11.9	13.9	15.9	15.9
137.5°	15.9	15.9	14.9	14.9	13.9	11.9	9.9	10.9	12.9	12.9	13.9
140°	13.9	13.9	12.9	12.9	11.9	9.9	8.0	8.9	10.9	10.9	11.9
142.5°	11.9	11.9	11.9	10.9	9.9	8.0	7.0	8.0	9.9	9.9	9.9
145°	9.9	9.9	9.9	8.9	8.0	6.0	5.0	7.0	8.9	8.0	8.0
147.5°	8.0	8.0	8.0	8.0	6.0	5.0	4.0	6.0	7.0	7.0	7.0
150°	6.0	6.0	6.0	6.0	5.0	3.0	3.0	5.0	6.0	6.0	6.0
152.5°	5.0	5.0	5.0	6.0	5.0	2.0	2.0	4.0	5.0	5.0	5.0
155°	4.0	4.0	5.0	5.0	4.0	2.0	1.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	4.0	4.0	3.0	2.0	1.0	2.0	4.0	3.0	3.0
160°	2.0	3.0	3.0	3.0	3.0	2.0	0.0	2.0	3.0	2.0	2.0
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)