

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: P415816

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415816  
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-PA1-60-727-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA 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: 5763 lumens  
Efficiency: N/A  
Efficacy: 90.0 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: B1 - U3 - G2

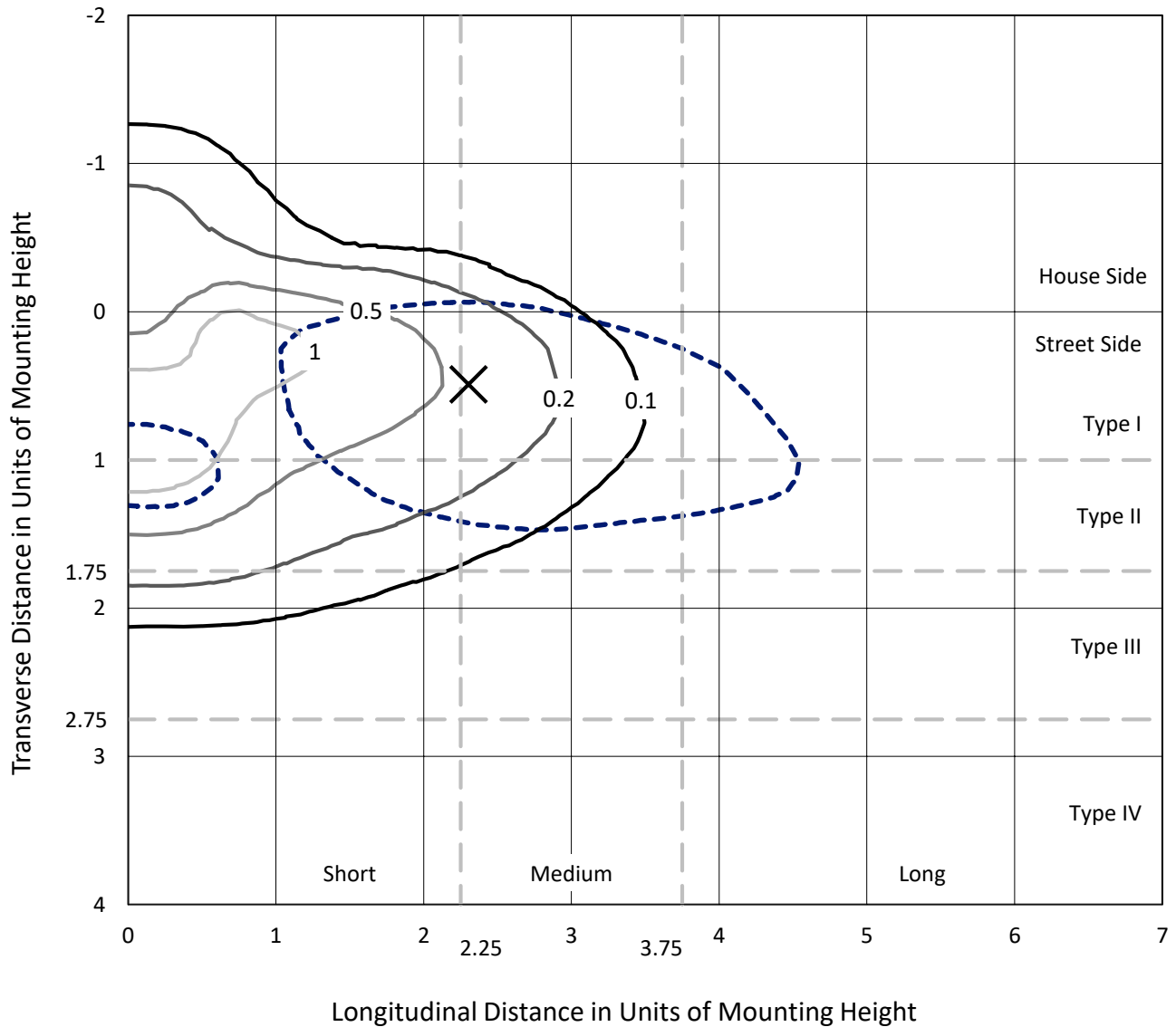
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

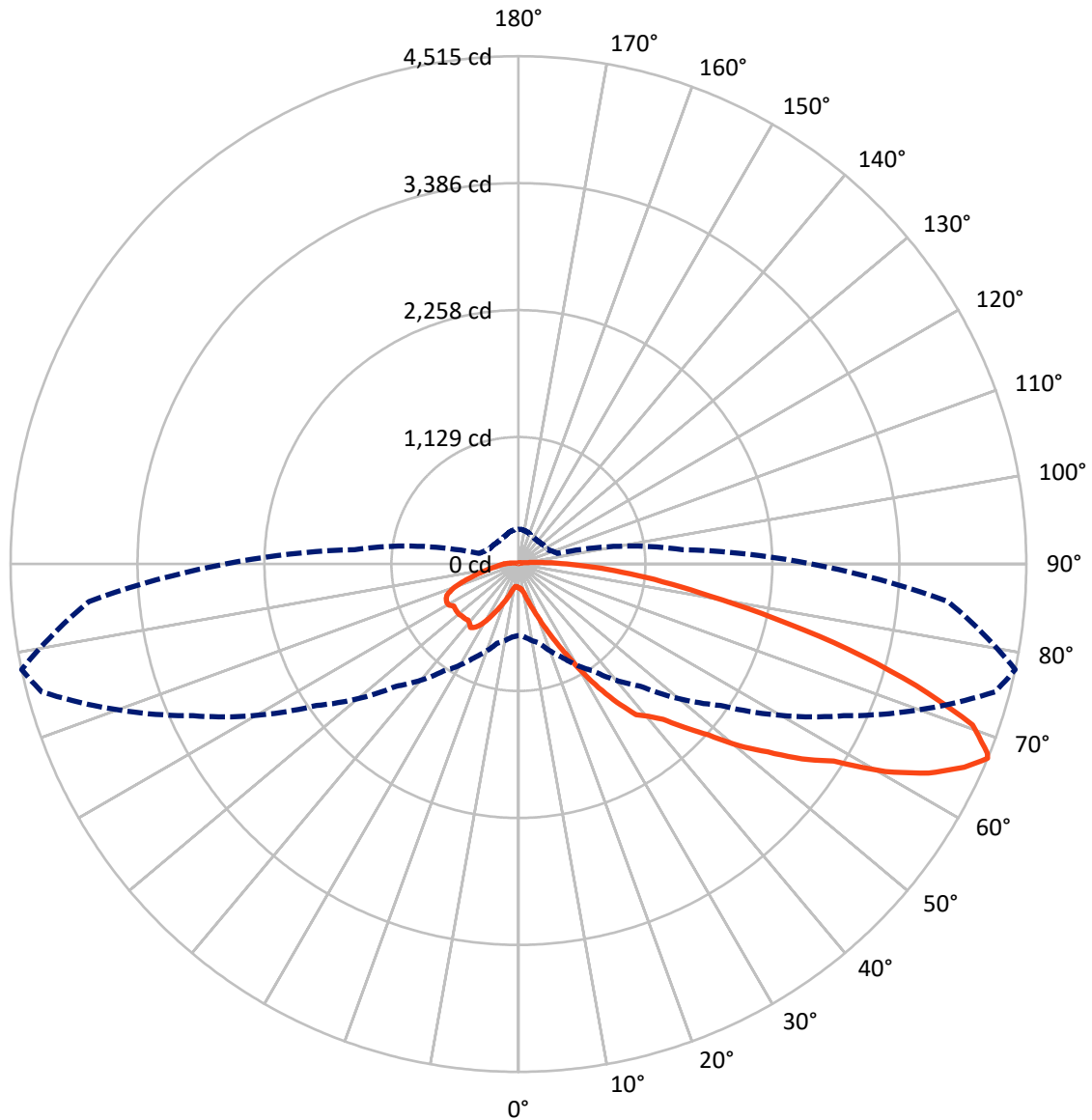
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	1066.1	87.2	1153.3
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	4516.8	92.9	4609.6
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	5582.9	180.1	5763.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.2	0.4
10°-20°	89.6	1.6
20°-30°	268.9	4.7
30°-40°	615.5	10.7
40°-50°	983.1	17.1
50°-60°	1211.6	21.0
60°-70°	1262.8	21.9
70°-80°	818.8	14.2
80°-90°	311.3	5.4
90°-100°	96.2	1.7
100°-110°	37.0	0.6
110°-120°	19.9	0.3
120°-130°	13.2	0.2
130°-140°	8.7	0.2
140°-150°	3.9	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5582.9	96.9
0°-180°	5763.0	100.0

**Coefficient of Utilization**



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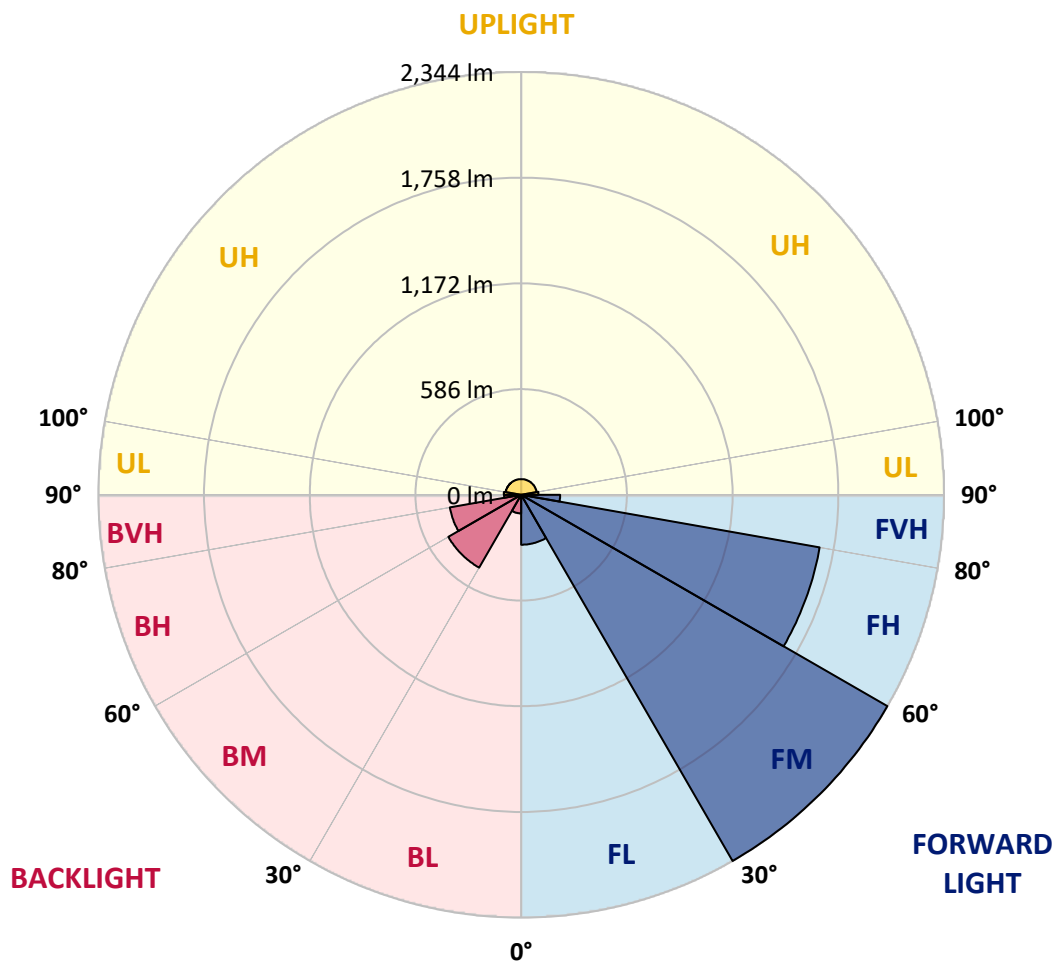
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2R-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	276.7	4.8			
FM	(30°-60°)	2344.1	40.7			
FH	(60°-80°)	1680.0	29.2			G1/1800
FVH	(80°-90°)	215.9	3.7			G2/225
BL	(0°-30°)	103.0	1.8	B0/110		
BM	(30°-60°)	466.1	8.1	B1/1000		
BH	(60°-80°)	401.7	7.0	B1/500		G1/500
BVH	(80°-90°)	95.4	1.7			G1/100
UL	(90°-100°)	96.2	1.7		U3/500	
UH	(100°-180°)	87.2	1.5		U3/500	

**BUG Rating: B1-U3-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1
2.5°	237.4	236.7	236.0	234.7	231.9	229.2	225.1	219.6	215.6	214.9	210.8
5°	267.4	265.4	265.4	261.9	256.5	251.0	242.8	233.3	225.8	221.7	215.6
7.5°	304.2	300.1	301.5	296.0	288.5	279.0	266.0	253.1	238.7	234.7	225.8
10°	348.6	345.8	343.1	336.3	327.4	312.4	300.1	281.0	261.9	256.5	242.8
12.5°	402.5	403.1	395.0	387.5	372.4	357.4	342.4	324.0	302.9	296.7	279.0
15°	478.2	477.5	468.6	451.6	433.2	416.8	404.5	384.7	364.3	357.4	330.8
17.5°	566.9	564.8	558.0	528.0	509.6	496.6	478.9	466.6	437.2	429.7	397.0
20°	696.5	684.2	668.5	628.2	601.0	584.6	570.3	554.6	523.2	510.2	471.4
22.5°	840.4	846.5	817.9	755.8	710.1	680.1	665.1	656.9	633.0	624.2	565.5
25°	1019.1	1019.1	974.1	905.9	846.5	790.6	787.2	796.7	764.7	758.5	696.5
27.5°	1207.4	1214.9	1155.5	1082.5	992.5	927.0	923.6	931.8	929.1	911.3	822.7
30°	1422.3	1415.4	1348.6	1259.9	1140.5	1063.5	1053.9	1113.2	1118.0	1105.7	1008.9
32.5°	1672.6	1667.1	1583.2	1446.1	1298.8	1210.1	1216.2	1300.2	1332.9	1311.7	1198.5
35°	1976.8	1983.7	1852.0	1659.0	1464.5	1362.2	1369.0	1474.1	1535.5	1509.6	1382.0
37.5°	2289.2	2291.3	2170.6	1909.3	1642.6	1497.3	1513.7	1641.9	1721.0	1699.9	1524.6
40°	2487.1	2507.5	2391.6	2143.3	1830.2	1632.4	1646.0	1772.9	1819.3	1779.7	1573.7
42.5°	2660.3	2676.0	2558.0	2291.3	1972.7	1753.1	1748.3	1844.5	1911.3	1886.8	1674.6
45°	2745.6	2776.3	2669.9	2394.3	2073.0	1847.2	1810.4	1954.3	2103.0	2072.3	1838.4
47.5°	2683.5	2721.0	2676.0	2448.2	2118.0	1906.6	1914.8	2112.6	2304.9	2270.8	2017.1
50°	2480.9	2525.9	2541.0	2407.9	2129.6	1935.9	2023.2	2289.2	2547.1	2540.3	2236.7
52.5°	2236.7	2260.6	2326.1	2286.5	2086.7	1970.0	2140.5	2460.5	2796.8	2775.6	2418.9
55°	2010.9	2042.3	2096.2	2073.0	1980.2	1974.1	2233.3	2651.5	3062.1	3059.4	2648.1
57.5°	1699.9	1743.5	1856.8	1869.7	1842.4	1948.9	2300.8	2801.5	3296.8	3306.3	2877.9
60°	1304.9	1341.8	1513.7	1650.8	1674.6	1889.5	2335.0	2966.6	3697.9	3747.7	3279.7
62.5°	1058.0	1064.8	1195.1	1366.3	1528.7	1781.1	2340.4	3175.3	4048.5	4093.5	3520.5
65°	792.0	790.6	910.7	1105.7	1331.5	1654.2	2323.4	3240.8	4238.8	4354.1	3750.4
67°	636.4	651.4	728.5	914.1	1161.0	1535.5	2191.0	3192.4	4388.2	4515.1	3834.3
67.5°	611.9	619.4	689.6	864.9	1122.1	1500.0	2152.1	3180.1	4387.5	4495.3	3809.0
70°	488.4	498.6	549.8	665.8	897.7	1267.4	1878.6	2895.0	4127.6	4284.5	3577.8
72.5°	377.2	385.4	421.6	509.6	683.5	1020.5	1553.9	2491.2	3574.4	3698.5	3033.5
75°	287.2	289.9	324.0	384.0	521.8	778.3	1199.9	1961.8	2939.3	3033.5	2465.2
77.5°	222.4	228.5	254.4	294.7	387.5	586.0	903.1	1528.0	2338.4	2324.0	1874.5
80°	173.3	178.7	197.8	225.8	290.6	430.4	661.0	1129.6	1708.1	1725.1	1372.5
82.5°	139.2	143.2	156.2	176.7	223.7	327.4	483.0	844.5	1298.8	1292.6	1006.2
85°	111.2	113.9	123.5	141.2	172.6	248.3	356.8	627.6	916.8	924.3	686.9
87.5°	86.6	90.0	101.0	111.9	136.4	189.0	263.3	435.2	609.8	616.0	472.0
90°	67.5	69.6	79.1	90.7	110.5	143.2	190.3	298.1	392.9	385.4	303.6
92.5°	49.8	51.8	60.7	71.6	85.9	110.5	137.1	191.0	229.9	234.7	189.6
95°	35.5	37.5	45.0	53.2	65.5	83.9	97.5	121.4	141.2	137.1	121.4
97.5°	27.3	28.0	33.4	39.6	49.8	64.8	72.3	83.9	92.8	90.7	84.6
100°	21.8	22.5	26.6	30.0	38.9	51.2	58.0	64.1	69.6	67.5	64.8
102.5°	18.4	19.1	21.8	24.6	32.1	43.0	47.1	51.2	53.2	53.2	51.8
105°	15.7	16.4	18.4	21.1	27.3	35.5	38.2	40.2	42.3	41.6	41.6
107.5°	14.3	14.3	16.4	18.4	23.9	30.0	31.4	32.1	32.7	32.7	34.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	13.0	13.6	15.0	16.4	21.1	26.6	26.6	25.9	25.9	25.9	28.0
112.5°	12.3	13.0	13.6	15.7	19.8	23.2	22.5	21.1	21.1	21.8	23.9
115°	12.3	12.3	13.0	15.0	18.4	21.1	19.8	17.7	17.7	18.4	20.5
117.5°	12.3	12.3	13.6	15.0	17.7	19.1	17.7	15.7	15.0	15.7	17.7
120°	13.0	13.0	13.6	15.0	16.4	17.7	16.4	14.3	13.6	14.3	16.4
122.5°	13.6	13.6	13.6	15.0	15.7	16.4	15.0	13.0	12.3	13.0	15.0
125°	14.3	14.3	14.3	15.0	15.7	15.0	13.6	12.3	12.3	12.3	14.3
127.5°	15.7	15.7	15.7	15.7	15.0	14.3	13.0	11.6	12.3	12.3	13.6
130°	17.1	17.1	16.4	15.7	15.0	13.6	12.3	10.9	11.6	12.3	13.6
132.5°	17.7	17.1	16.4	15.0	14.3	12.3	10.9	10.2	10.9	11.6	13.0
135°	16.4	16.4	15.0	13.6	13.0	10.9	9.5	9.5	10.2	10.9	11.6
137.5°	14.3	14.3	13.6	12.3	11.6	10.2	8.9	8.2	9.5	10.2	10.9
140°	12.3	12.3	11.6	10.2	9.5	8.9	7.5	6.8	8.2	8.9	9.5
142.5°	10.2	10.2	9.5	8.2	8.2	7.5	6.1	6.1	7.5	7.5	8.2
145°	8.2	8.2	8.2	6.8	6.8	6.1	4.8	5.5	6.1	6.8	6.8
147.5°	6.8	6.8	6.8	5.5	5.5	4.8	3.4	4.1	4.8	5.5	5.5
150°	5.5	5.5	5.5	4.8	4.1	3.4	2.7	3.4	3.4	4.1	4.1
152.5°	4.1	4.1	4.1	3.4	3.4	2.0	2.0	2.7	2.7	3.4	3.4
155°	2.7	2.7	3.4	2.7	2.0	1.4	2.0	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.0	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0
160°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1
2.5°	208.7	207.4	204.0	200.5	197.1	194.4	191.0	190.3	190.3	189.0	189.0
5°	211.5	207.4	199.2	192.4	184.9	178.7	173.9	171.9	169.9	168.5	167.1
7.5°	217.6	210.8	197.1	186.2	175.3	165.8	158.9	155.5	153.5	151.4	152.1
10°	231.9	221.7	201.9	184.2	167.8	154.8	146.7	142.6	141.2	139.2	139.2
12.5°	262.6	249.0	220.3	190.3	165.1	147.3	137.8	136.4	137.8	139.8	139.8
15°	311.1	290.6	249.0	207.4	171.2	146.0	140.5	144.6	149.4	152.1	152.1
17.5°	370.4	342.4	283.1	227.2	180.1	158.3	151.4	156.9	163.0	167.1	167.1
20°	435.9	398.4	317.9	244.2	193.0	175.3	167.8	172.6	180.8	186.9	186.2
22.5°	521.2	466.6	358.1	259.2	208.7	191.0	186.2	192.4	204.6	212.8	213.5
25°	626.9	551.8	405.2	279.0	223.1	204.6	206.0	216.9	233.3	242.2	242.2
27.5°	739.4	644.6	445.4	298.8	238.1	219.0	225.8	240.8	258.5	268.8	270.1
30°	888.1	764.0	495.9	318.6	251.0	233.3	241.5	259.2	272.2	278.3	279.0
32.5°	1039.6	877.2	536.2	339.0	263.3	243.5	251.0	268.1	279.7	286.5	285.8
35°	1176.7	968.6	560.0	348.6	274.2	251.0	254.4	272.9	279.7	283.8	283.1
37.5°	1281.7	1034.1	568.9	350.6	278.3	254.4	255.8	271.5	281.0	288.5	287.2
40°	1299.5	1025.3	535.5	338.3	277.6	254.4	257.2	274.9	285.1	288.5	287.9
42.5°	1365.0	1049.8	506.8	316.5	269.4	253.8	259.9	276.3	281.0	279.0	276.9
45°	1478.9	1101.6	498.6	305.6	259.2	251.7	261.3	272.9	272.2	268.1	266.7
47.5°	1591.4	1151.4	480.9	300.8	256.5	251.0	260.6	268.8	270.8	266.7	265.4
50°	1734.7	1217.6	466.6	294.0	257.2	251.0	259.2	268.8	270.1	263.3	262.6
52.5°	1862.9	1263.3	445.4	287.9	257.8	253.1	259.2	268.8	269.4	262.6	261.3
55°	1996.6	1311.7	423.6	281.7	259.9	255.1	261.3	269.4	270.1	265.4	264.0
57.5°	2130.3	1354.0	399.0	276.9	261.9	259.2	262.6	270.1	275.6	274.2	274.2
60°	2403.2	1475.5	395.0	277.6	264.0	262.6	264.0	273.5	283.8	280.4	281.0
62.5°	2510.9	1501.4	387.5	286.5	270.1	265.4	266.0	276.3	287.2	292.0	291.3
65°	2609.2	1503.4	372.4	292.6	277.6	267.4	267.4	276.9	295.4	306.3	306.3
67°	2603.7	1462.5	361.5	293.3	281.0	269.4	266.7	276.9	296.0	308.3	309.0
67.5°	2572.3	1435.9	357.4	293.3	281.7	269.4	266.0	276.3	296.0	309.0	309.0
70°	2383.4	1296.1	330.8	285.8	279.7	266.0	261.9	269.4	292.0	309.7	309.7
72.5°	1974.1	1066.9	293.3	267.4	266.7	257.2	251.0	259.2	281.0	299.5	298.8
75°	1595.5	852.7	255.8	240.1	246.9	240.1	235.3	241.5	262.6	281.0	279.7
77.5°	1192.4	640.5	221.0	214.2	223.7	219.0	214.9	221.0	241.5	259.2	256.5
80°	881.3	493.9	192.4	189.6	196.5	195.1	193.7	196.5	214.2	225.8	223.7
82.5°	648.7	375.9	165.8	163.7	171.9	171.9	171.9	173.9	186.9	191.0	189.0
85°	461.1	283.1	146.0	140.5	147.3	150.8	152.8	153.5	160.3	161.0	156.2
87.5°	324.7	223.1	131.0	119.4	122.8	130.3	133.7	133.0	135.7	133.7	128.9
90°	226.5	175.3	118.7	101.6	101.6	109.1	114.6	113.9	114.6	109.1	104.4
92.5°	159.6	132.3	100.3	83.9	82.5	90.0	94.8	94.1	94.1	88.7	83.9
95°	107.1	97.5	79.8	67.5	65.5	71.6	76.4	75.0	75.0	69.6	67.5
97.5°	79.1	74.4	65.5	57.3	53.2	56.6	60.0	60.0	60.7	57.3	55.3
100°	62.1	60.0	55.9	49.1	45.0	45.7	47.7	47.7	50.5	47.7	46.4
102.5°	51.8	50.5	47.1	42.3	38.9	38.2	39.6	40.2	43.7	41.6	40.9
105°	43.0	42.3	40.2	36.2	33.4	33.4	33.4	34.1	37.5	36.2	36.2
107.5°	34.8	34.8	34.8	31.4	29.3	29.3	28.6	29.3	32.1	32.1	32.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.3	29.3	30.0	27.3	25.9	25.9	25.2	25.9	28.6	29.3	29.3
112.5°	25.2	25.2	25.9	24.6	23.2	23.2	22.5	22.5	25.2	27.3	27.3
115°	21.8	22.5	22.5	21.8	21.1	20.5	19.8	20.5	23.2	25.2	25.2
117.5°	19.1	19.8	20.5	19.8	19.1	18.4	17.7	18.4	21.1	23.9	23.9
120°	17.1	17.7	18.4	18.4	17.7	17.1	15.7	17.1	19.1	21.8	22.5
122.5°	15.7	16.4	16.4	16.4	16.4	15.0	14.3	15.0	17.1	19.8	20.5
125°	15.0	15.0	15.7	15.7	15.0	13.6	13.0	13.6	15.0	17.1	17.7
127.5°	14.3	14.3	15.0	15.0	13.6	12.3	11.6	12.3	13.6	15.0	15.0
130°	14.3	14.3	14.3	13.6	13.0	11.6	10.2	10.9	12.3	13.6	13.6
132.5°	13.6	13.0	13.0	13.0	11.6	10.2	9.5	9.5	10.9	12.3	12.3
135°	12.3	12.3	11.6	11.6	10.9	8.9	8.2	8.2	9.5	10.9	10.9
137.5°	10.9	10.9	10.2	10.2	9.5	8.2	6.8	7.5	8.9	8.9	9.5
140°	9.5	9.5	8.9	8.9	8.2	6.8	5.5	6.1	7.5	7.5	8.2
142.5°	8.2	8.2	8.2	7.5	6.8	5.5	4.8	5.5	6.8	6.8	6.8
145°	6.8	6.8	6.8	6.1	5.5	4.1	3.4	4.8	6.1	5.5	5.5
147.5°	5.5	5.5	5.5	5.5	4.1	3.4	2.7	4.1	4.8	4.8	4.8
150°	4.1	4.1	4.1	4.1	3.4	2.0	2.0	3.4	4.1	4.1	4.1
152.5°	3.4	3.4	3.4	4.1	3.4	1.4	1.4	2.7	3.4	3.4	3.4
155°	2.7	2.7	3.4	3.4	2.7	1.4	0.7	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.7	2.7	2.0	1.4	0.7	1.4	2.7	2.0	2.0
160°	1.4	2.0	2.0	2.0	2.0	1.4	0.0	1.4	2.0	1.4	1.4
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)