

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: P417174

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-740-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9103 lumens  
Efficiency: N/A  
Efficacy: 96.8 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): 94  
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

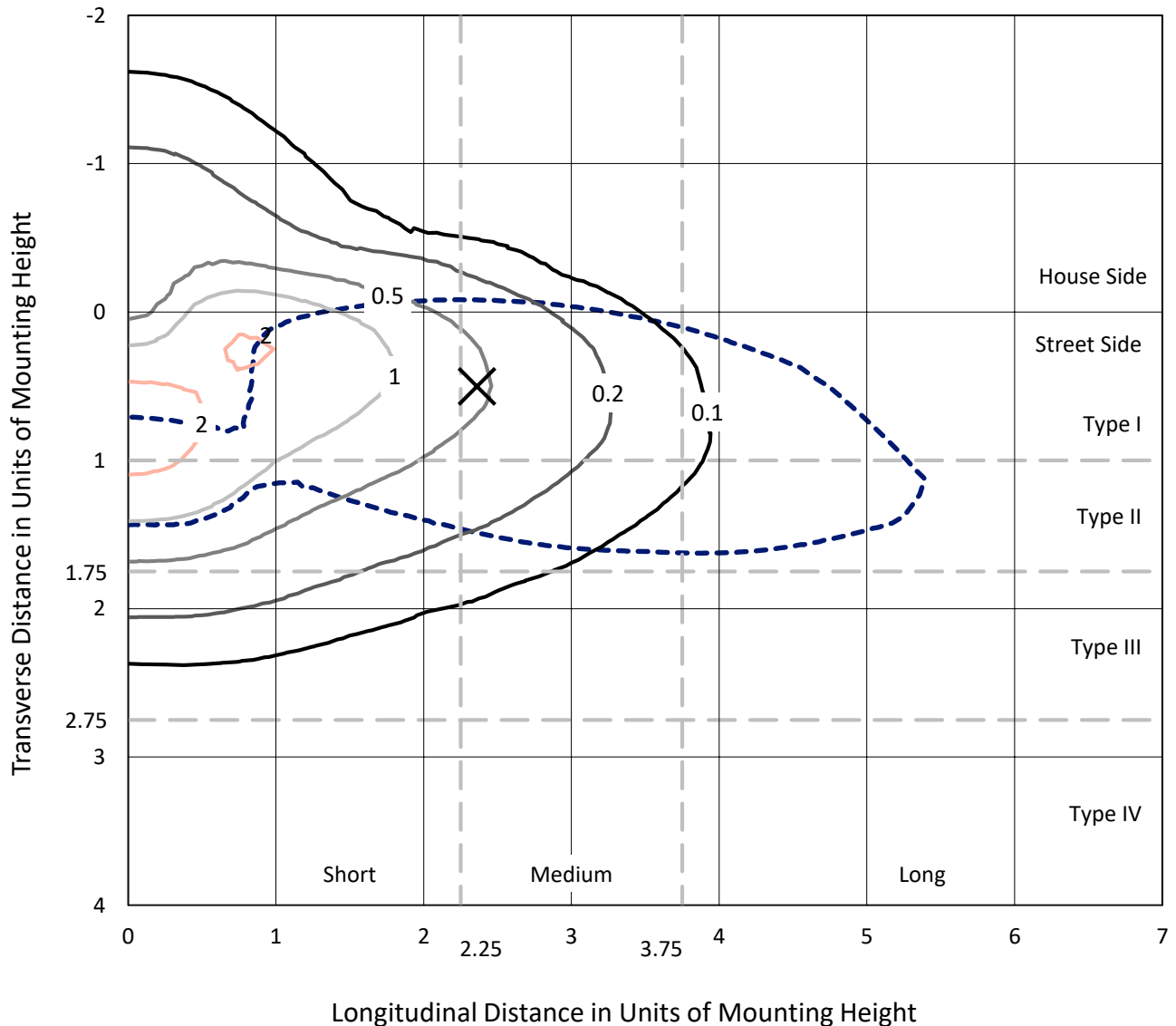


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

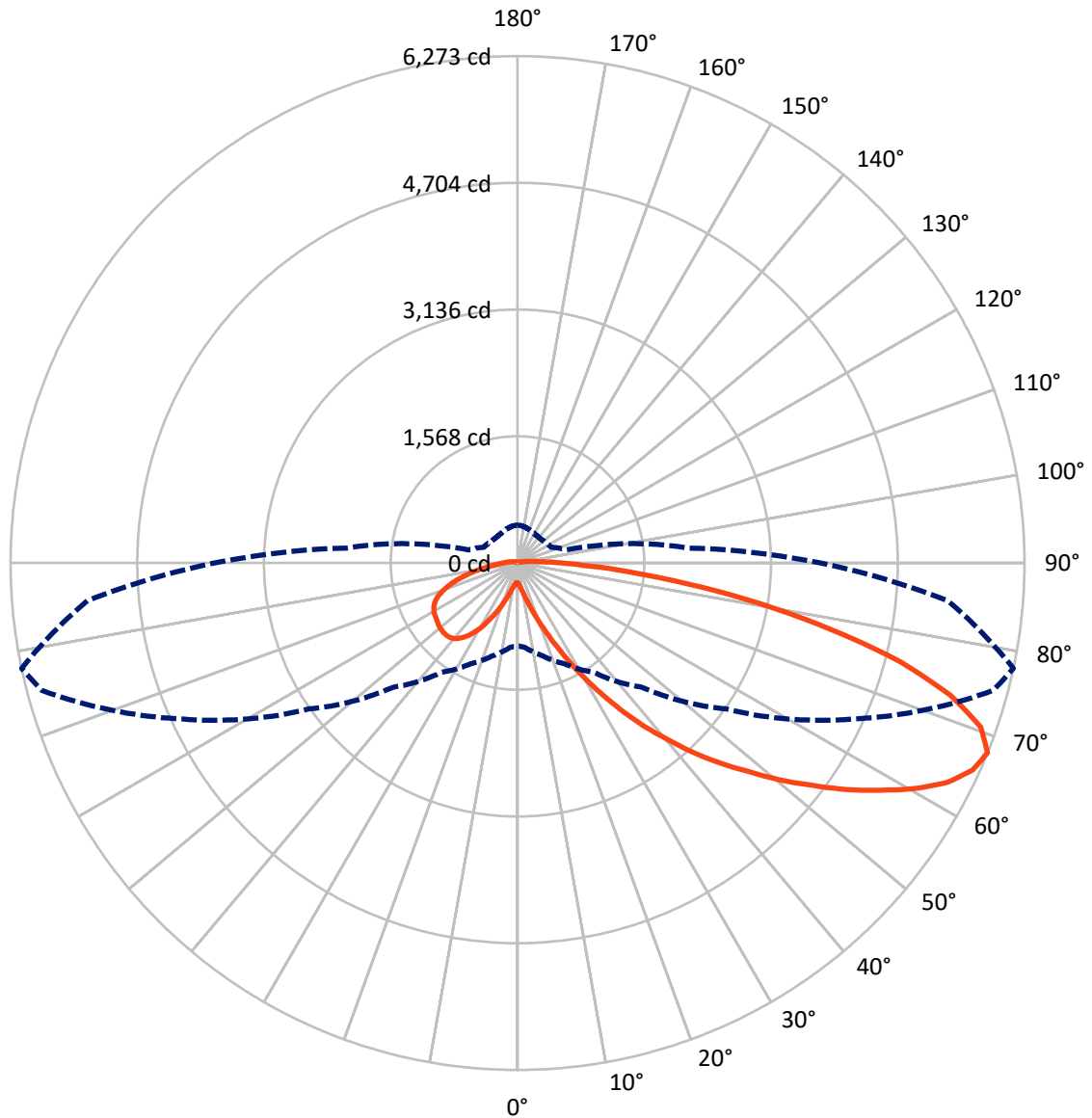


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1729.7	140.4	1870.1
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	7090.5	142.3	7232.9
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	8820.2	282.8	9103.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.2	0.3
10°-20°	141.4	1.6
20°-30°	430.9	4.7
30°-40°	964.0	10.6
40°-50°	1588.5	17.5
50°-60°	1955.1	21.5
60°-70°	1896.2	20.8
70°-80°	1313.2	14.4
80°-90°	502.7	5.5
90°-100°	144.2	1.6
100°-110°	62.5	0.7
110°-120°	33.7	0.4
120°-130°	20.9	0.2
130°-140°	13.0	0.1
140°-150°	6.3	0.1
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8820.2	96.9
0°-180°	9103.0	100.0

**Coefficient of Utilization**



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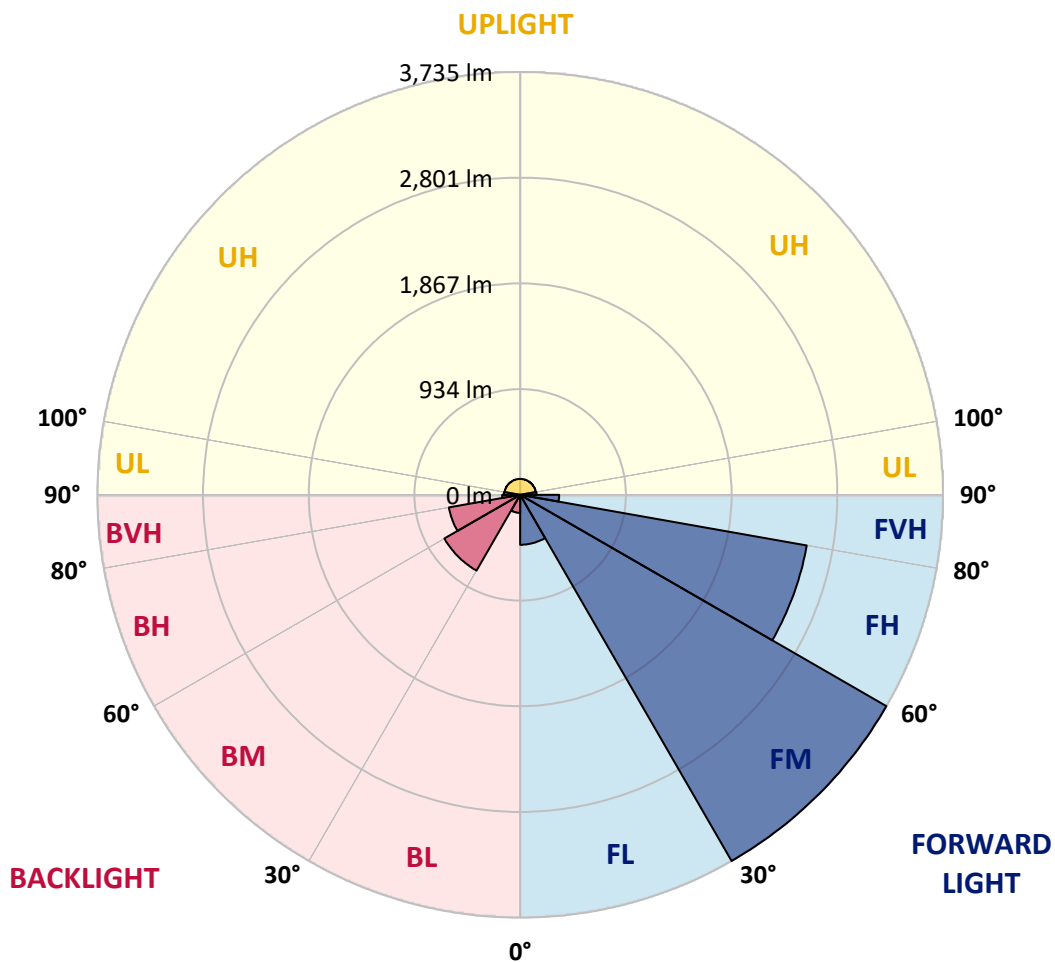
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.2	4.8			
FM (30°-60°)	3735.0	41.0			
FH (60°-80°)	2570.3	28.2			G2/5000
FVH (80°-90°)	344.1	3.8			G3/500
BL (0°-30°)	159.3	1.7	B1/500		
BM (30°-60°)	772.6	8.5	B1/1000		
BH (60°-80°)	639.1	7.0	B2/1000		G2/1000
BVH (80°-90°)	158.6	1.7			G2/225
UL (90°-100°)	144.2	1.6		U3/500	
UH (100°-180°)	140.4	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°	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
2.5°	295.4	293.2	293.2	292.2	287.9	283.5	277.1	269.5	263.1	258.7	254.4
5°	359.0	351.5	353.6	347.2	339.6	331.0	319.1	303.0	287.9	284.6	272.8
7.5°	435.6	425.9	429.1	421.5	407.5	389.2	373.0	349.3	326.7	319.1	301.9
10°	532.6	522.9	517.5	506.7	490.5	466.8	442.0	410.8	379.5	368.7	347.2
12.5°	648.0	640.4	632.9	617.8	591.9	561.7	530.4	495.9	455.0	441.0	407.5
15°	791.3	784.9	768.7	748.2	710.5	677.1	629.6	598.4	547.7	530.4	489.5
17.5°	952.0	939.0	922.9	892.7	849.6	807.5	767.6	714.8	659.8	645.8	595.1
20°	1150.4	1146.0	1114.8	1064.1	1016.7	959.5	920.7	869.0	807.5	788.1	721.3
22.5°	1385.4	1376.8	1340.1	1263.6	1192.4	1119.1	1087.8	1033.9	989.7	962.8	875.4
25°	1667.9	1651.7	1591.3	1499.7	1398.3	1311.0	1259.2	1239.8	1205.3	1164.4	1057.6
27.5°	1968.7	1969.7	1886.7	1750.9	1609.6	1505.1	1465.2	1472.7	1430.7	1408.0	1277.6
30°	2340.6	2313.7	2204.8	2037.7	1846.8	1712.1	1688.3	1726.1	1714.2	1670.0	1515.8
32.5°	2712.6	2702.9	2568.1	2339.5	2089.4	1941.7	1924.4	2006.4	2003.2	1958.9	1762.7
35°	3083.4	3072.6	2905.5	2639.2	2342.8	2173.5	2158.4	2266.2	2305.0	2260.8	2040.9
37.5°	3456.5	3431.7	3263.5	2940.0	2583.2	2385.9	2392.4	2528.2	2618.8	2578.9	2309.3
40°	3785.3	3781.0	3584.8	3217.1	2815.0	2601.5	2644.6	2823.6	2934.6	2879.7	2582.1
42.5°	4037.6	4019.2	3845.7	3446.8	3023.1	2803.1	2877.5	3114.7	3257.0	3219.3	2850.6
45°	4154.0	4143.2	4004.1	3620.3	3184.8	2977.8	3095.3	3384.2	3578.3	3537.3	3126.6
47.5°	4122.7	4113.0	4037.6	3705.5	3291.5	3127.6	3287.2	3646.2	3915.7	3860.8	3401.5
50°	3935.1	3944.8	3921.1	3680.7	3329.2	3223.6	3469.4	3908.2	4245.6	4219.8	3666.7
52.5°	3592.3	3620.3	3658.1	3551.3	3294.7	3266.7	3600.9	4135.7	4573.4	4572.3	3961.0
55°	3147.0	3166.4	3298.0	3278.6	3163.2	3265.6	3698.0	4359.9	4942.1	4947.5	4265.1
57.5°	2674.8	2665.1	2839.8	2941.1	2971.3	3182.6	3745.4	4558.3	5267.7	5305.4	4586.3
60°	2158.4	2194.0	2357.9	2564.9	2678.1	3018.7	3729.2	4698.5	5581.4	5664.5	4878.5
62.5°	1754.1	1737.9	1918.0	2143.3	2372.9	2783.7	3611.7	4764.2	5880.1	5972.8	5148.0
65°	1325.0	1358.4	1521.2	1720.7	1993.4	2487.2	3422.0	4729.7	6064.4	6183.0	5317.3
67.5°	1022.1	1047.9	1187.0	1374.6	1652.8	2172.4	3148.1	4569.1	6092.5	6272.5	5341.0
70°	790.3	810.7	908.9	1068.4	1333.6	1825.3	2763.2	4262.9	5939.4	6079.5	5123.2
72.5°	629.6	638.2	707.2	836.6	1053.3	1488.9	2344.9	3782.1	5476.9	5601.9	4676.9
75°	494.9	507.8	563.9	660.9	822.6	1190.2	1916.9	3195.6	4772.8	4902.2	4061.3
77.5°	393.5	406.5	448.5	516.4	638.2	917.5	1497.5	2603.7	3896.3	3976.1	3235.4
80°	312.7	319.1	354.7	405.4	495.9	707.2	1127.7	1976.2	2950.8	3033.8	2404.2
82.5°	237.2	242.6	278.2	322.4	387.0	535.8	815.1	1389.7	2078.6	2101.3	1632.3
85°	170.3	180.0	209.2	245.8	296.5	398.9	584.3	943.4	1326.1	1360.6	1033.9
87.5°	120.7	125.1	154.2	188.7	226.4	295.4	406.5	621.0	816.1	806.4	627.5
90°	81.9	85.2	111.0	139.1	172.5	221.0	283.5	390.3	501.3	485.2	393.5
92.5°	55.0	60.4	81.9	105.7	134.8	170.3	201.6	255.5	310.5	295.4	250.1
95°	41.0	43.1	62.5	84.1	107.8	130.5	149.9	174.7	198.4	194.1	172.5
97.5°	32.3	34.5	50.7	69.0	87.3	105.7	116.4	125.1	138.0	136.9	124.0
100°	28.0	29.1	43.1	59.3	75.5	88.4	94.9	97.0	101.3	99.2	94.9
102.5°	23.7	25.9	37.7	51.7	65.8	75.5	79.8	77.6	76.5	74.4	70.1
105°	21.6	22.6	33.4	46.4	58.2	65.8	66.8	63.6	58.2	57.1	55.0
107.5°	20.5	21.6	30.2	42.0	51.7	58.2	57.1	52.8	46.4	44.2	43.1
110°	19.4	20.5	28.0	37.7	47.4	51.7	50.7	44.2	36.7	34.5	35.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	19.4	19.4	25.9	34.5	43.1	46.4	44.2	37.7	30.2	29.1	30.2
115°	18.3	19.4	24.8	32.3	38.8	42.0	38.8	32.3	25.9	24.8	25.9
117.5°	18.3	19.4	23.7	30.2	36.7	37.7	34.5	28.0	21.6	21.6	23.7
120°	18.3	19.4	22.6	28.0	33.4	34.5	31.3	24.8	19.4	19.4	21.6
122.5°	19.4	19.4	21.6	27.0	31.3	32.3	28.0	21.6	18.3	18.3	20.5
125°	19.4	19.4	21.6	24.8	29.1	29.1	25.9	19.4	16.2	16.2	19.4
127.5°	19.4	19.4	21.6	23.7	27.0	27.0	23.7	18.3	15.1	15.1	18.3
130°	19.4	20.5	20.5	22.6	24.8	24.8	21.6	16.2	15.1	15.1	17.2
132.5°	20.5	20.5	20.5	21.6	23.7	22.6	18.3	15.1	14.0	14.0	16.2
135°	19.4	19.4	19.4	20.5	21.6	20.5	16.2	12.9	12.9	14.0	15.1
137.5°	19.4	19.4	19.4	18.3	19.4	18.3	15.1	11.9	11.9	12.9	14.0
140°	17.2	18.3	17.2	17.2	17.2	16.2	12.9	9.7	10.8	11.9	11.9
142.5°	16.2	16.2	16.2	15.1	15.1	14.0	10.8	8.6	9.7	9.7	10.8
145°	15.1	15.1	14.0	12.9	12.9	10.8	8.6	7.5	8.6	8.6	9.7
147.5°	12.9	12.9	12.9	10.8	9.7	8.6	5.4	5.4	6.5	7.5	7.5
150°	10.8	10.8	10.8	9.7	7.5	6.5	4.3	5.4	5.4	5.4	6.5
152.5°	8.6	8.6	8.6	7.5	6.5	4.3	3.2	4.3	4.3	4.3	5.4
155°	5.4	5.4	5.4	5.4	4.3	2.2	3.2	3.2	4.3	4.3	4.3
157.5°	3.2	3.2	3.2	3.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
160°	1.1	1.1	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
2.5°	251.2	248.0	242.6	237.2	231.8	226.4	222.1	221.0	217.8	217.8	216.7
5°	266.3	260.9	246.9	236.1	224.2	214.5	207.0	203.8	200.5	198.4	198.4
7.5°	293.2	281.4	260.9	242.6	226.4	212.4	202.7	197.3	193.0	190.8	190.8
10°	329.9	314.8	283.5	256.6	232.9	215.6	204.8	198.4	195.1	193.0	191.9
12.5°	383.8	362.2	317.0	278.2	248.0	226.4	212.4	208.1	209.2	209.2	209.2
15°	457.1	425.9	364.4	311.6	268.5	240.4	230.7	230.7	234.0	235.0	232.9
17.5°	552.0	510.0	423.7	345.0	294.3	265.2	254.4	254.4	259.8	263.1	263.1
20°	668.4	608.1	486.2	389.2	324.5	293.2	280.3	281.4	287.9	292.2	292.2
22.5°	802.1	731.0	566.0	434.5	357.9	318.0	304.0	305.1	315.9	321.3	323.4
25°	975.7	865.7	645.8	480.8	389.2	341.8	327.7	328.8	342.8	350.4	350.4
27.5°	1159.0	1015.6	726.7	526.1	416.2	363.3	349.3	352.5	367.6	374.1	376.3
30°	1354.1	1175.2	807.5	564.9	437.7	379.5	365.5	372.0	386.0	395.7	396.7
32.5°	1570.8	1331.5	872.2	596.2	456.0	393.5	379.5	389.2	401.1	411.8	412.9
35°	1797.2	1486.7	929.3	617.8	467.9	405.4	390.3	400.0	411.8	421.5	420.5
37.5°	1999.9	1613.9	967.1	626.4	474.4	411.8	397.8	407.5	418.3	425.9	425.9
40°	2199.4	1746.6	985.4	619.9	474.4	415.1	401.1	411.8	421.5	425.9	425.9
42.5°	2389.1	1844.7	982.2	607.0	472.2	416.2	403.2	412.9	421.5	423.7	423.7
45°	2553.0	1935.2	962.8	585.4	464.7	415.1	404.3	412.9	419.4	419.4	420.5
47.5°	2747.1	2006.4	934.7	562.8	456.0	412.9	402.1	411.8	417.2	417.2	416.2
50°	2921.7	2075.4	897.0	538.0	448.5	410.8	401.1	410.8	417.2	415.1	415.1
52.5°	3107.1	2136.8	858.2	515.3	441.0	409.7	401.1	410.8	417.2	416.2	417.2
55°	3278.6	2198.3	809.7	494.9	436.6	408.6	402.1	411.8	420.5	420.5	419.4
57.5°	3498.5	2230.6	771.9	480.8	432.3	408.6	403.2	414.0	424.8	425.9	426.9
60°	3653.8	2272.7	740.7	472.2	432.3	410.8	406.5	417.2	431.2	436.6	439.9
62.5°	3767.0	2270.5	702.9	467.9	433.4	412.9	409.7	420.5	438.8	446.3	450.7
65°	3826.3	2231.7	664.1	464.7	434.5	415.1	411.8	422.6	444.2	458.2	462.5
67.5°	3748.6	2127.1	624.2	459.3	433.4	414.0	412.9	424.8	447.4	465.7	467.9
70°	3560.0	1950.3	576.8	447.4	429.1	410.8	409.7	419.4	444.2	465.7	467.9
72.5°	3202.0	1726.1	521.8	430.2	419.4	403.2	400.0	409.7	433.4	455.0	455.0
75°	2723.3	1466.2	467.9	405.4	400.0	390.3	387.0	392.4	412.9	433.4	434.5
77.5°	2132.5	1167.6	410.8	370.9	376.3	368.7	365.5	368.7	387.0	401.1	402.1
80°	1622.6	889.5	355.8	329.9	342.8	340.7	337.5	336.4	349.3	360.1	356.9
82.5°	1119.1	632.9	294.3	286.8	300.8	304.0	303.0	295.4	305.1	313.7	308.3
85°	722.3	447.4	245.8	242.6	255.5	260.9	259.8	254.4	256.6	266.3	255.5
87.5°	466.8	321.3	202.7	200.5	211.3	217.8	217.8	207.0	211.3	221.0	209.2
90°	292.2	227.5	169.3	168.2	175.7	179.0	174.7	168.2	170.3	175.7	171.4
92.5°	207.0	171.4	141.2	141.2	143.4	145.5	143.4	135.8	140.2	140.2	140.2
95°	150.9	135.8	122.9	120.7	119.7	118.6	117.5	112.1	116.4	115.4	112.1
97.5°	115.4	108.9	104.6	103.5	101.3	100.3	99.2	94.9	98.1	96.0	93.8
100°	90.6	89.5	89.5	89.5	87.3	84.1	84.1	83.0	83.0	79.8	79.8
102.5°	72.2	72.2	76.5	77.6	75.5	73.3	73.3	72.2	71.2	66.8	65.8
105°	57.1	59.3	65.8	66.8	65.8	63.6	62.5	62.5	60.4	55.0	55.0
107.5°	46.4	48.5	56.1	58.2	57.1	56.1	55.0	53.9	51.7	46.4	46.4
110°	37.7	41.0	47.4	50.7	49.6	48.5	48.5	46.4	44.2	39.9	39.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.3	35.6	41.0	44.2	44.2	43.1	42.0	41.0	37.7	34.5	34.5
115°	28.0	31.3	36.7	38.8	38.8	37.7	36.7	35.6	32.3	30.2	31.3
117.5°	25.9	28.0	32.3	34.5	34.5	33.4	32.3	31.3	29.1	28.0	28.0
120°	23.7	25.9	29.1	31.3	31.3	30.2	29.1	28.0	25.9	25.9	25.9
122.5°	21.6	23.7	27.0	28.0	28.0	27.0	25.9	24.8	22.6	23.7	23.7
125°	20.5	21.6	23.7	25.9	25.9	24.8	23.7	21.6	20.5	21.6	21.6
127.5°	19.4	20.5	22.6	23.7	23.7	22.6	20.5	19.4	18.3	19.4	19.4
130°	18.3	19.4	20.5	21.6	21.6	19.4	18.3	17.2	17.2	18.3	18.3
132.5°	17.2	18.3	18.3	19.4	19.4	18.3	16.2	15.1	15.1	16.2	16.2
135°	16.2	16.2	17.2	17.2	17.2	16.2	14.0	12.9	14.0	15.1	15.1
137.5°	14.0	15.1	15.1	16.2	15.1	14.0	11.9	11.9	12.9	12.9	12.9
140°	12.9	12.9	14.0	14.0	12.9	11.9	10.8	9.7	10.8	11.9	11.9
142.5°	11.9	11.9	11.9	11.9	11.9	9.7	8.6	8.6	9.7	9.7	9.7
145°	9.7	9.7	10.8	9.7	9.7	7.5	6.5	7.5	8.6	8.6	8.6
147.5°	7.5	8.6	8.6	8.6	7.5	5.4	4.3	6.5	7.5	7.5	7.5
150°	6.5	6.5	6.5	6.5	6.5	4.3	3.2	5.4	6.5	6.5	6.5
152.5°	5.4	5.4	6.5	6.5	5.4	3.2	2.2	4.3	5.4	5.4	4.3
155°	4.3	4.3	5.4	5.4	4.3	2.2	2.2	3.2	4.3	4.3	3.2
157.5°	3.2	4.3	4.3	4.3	3.2	2.2	1.1	2.2	3.2	3.2	3.2
160°	3.2	3.2	3.2	4.3	3.2	2.2	1.1	2.2	3.2	2.2	2.2
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)