

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: P413684

Luminaire Tested: **LXF.LXT-PA1-100-722-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413684  
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-PA1-100-722-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 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: 6780 lumens  
Efficiency: N/A  
Efficacy: 70.6 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 - G3

Input Watts (W): 96  
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

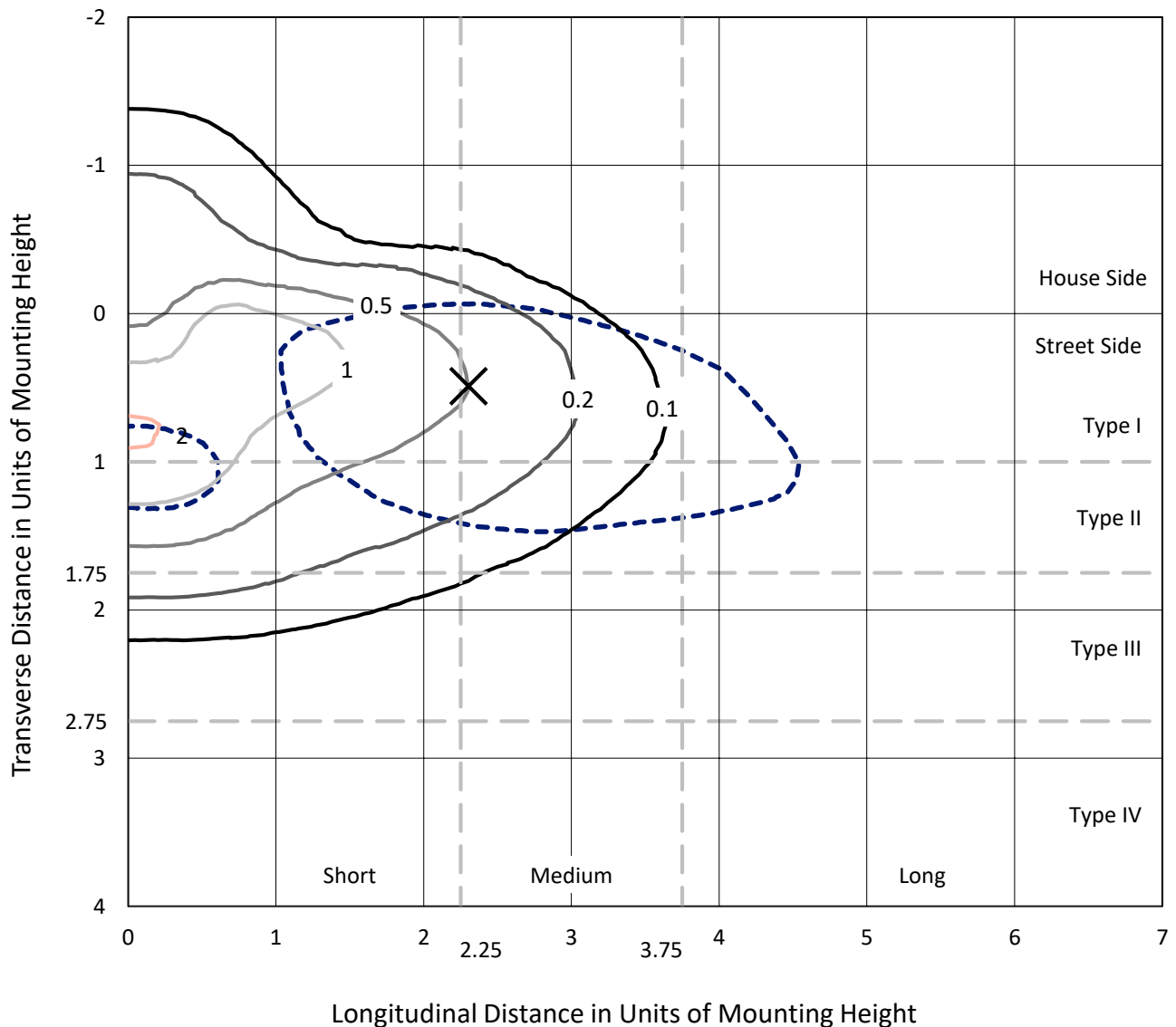


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

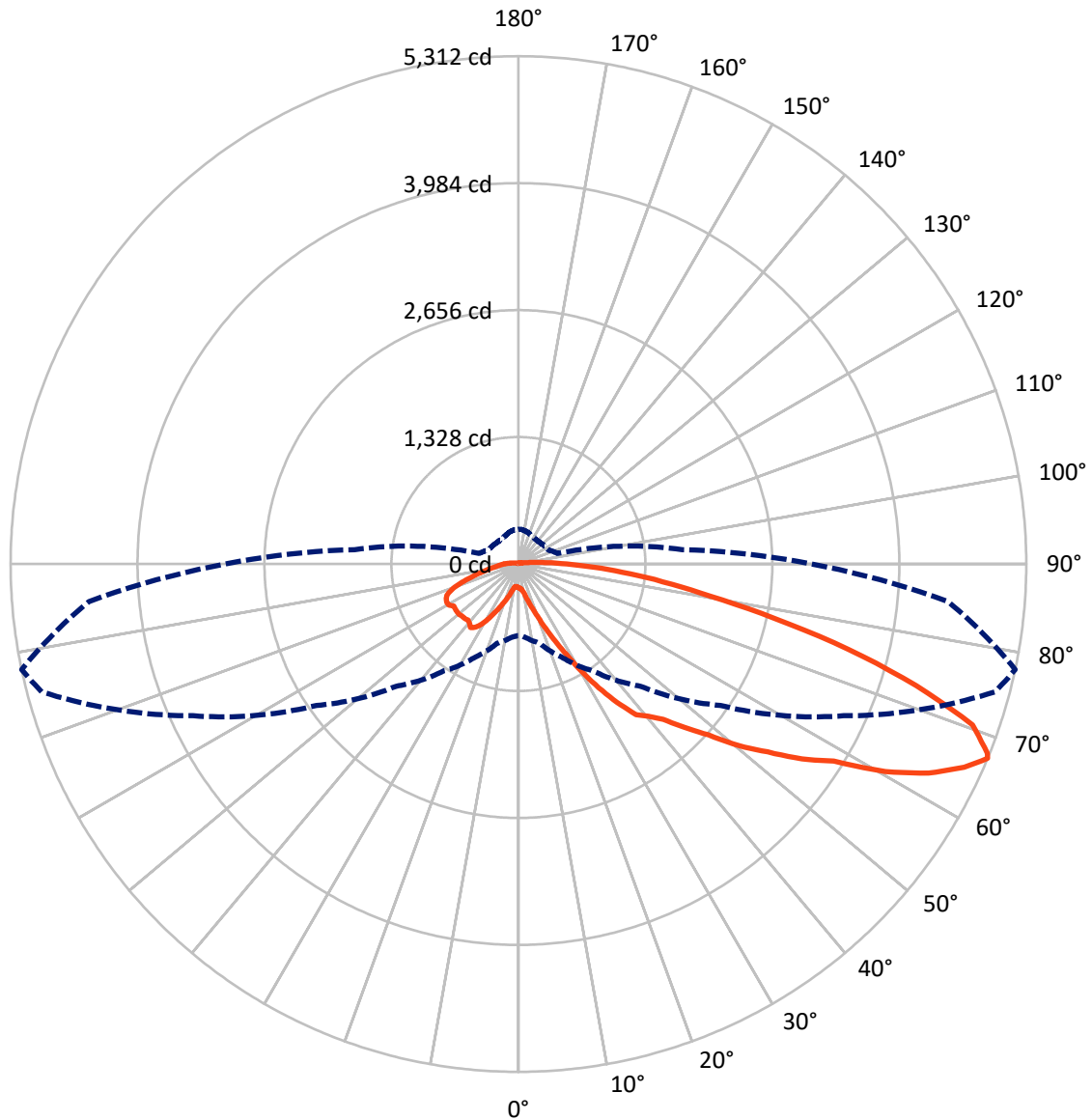


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Medium - Non-Cutoff

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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	1254.3	102.6	1356.9
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	5313.8	109.3	5423.1
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	6568.1	211.9	6780.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.9	0.4
10°-20°	105.4	1.6
20°-30°	316.4	4.7
30°-40°	724.1	10.7
40°-50°	1156.6	17.1
50°-60°	1425.4	21.0
60°-70°	1485.7	21.9
70°-80°	963.3	14.2
80°-90°	366.2	5.4
90°-100°	113.1	1.7
100°-110°	43.5	0.6
110°-120°	23.5	0.3
120°-130°	15.5	0.2
130°-140°	10.2	0.2
140°-150°	4.6	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6568.1	96.9
0°-180°	6780.0	100.0

**Coefficient of Utilization**



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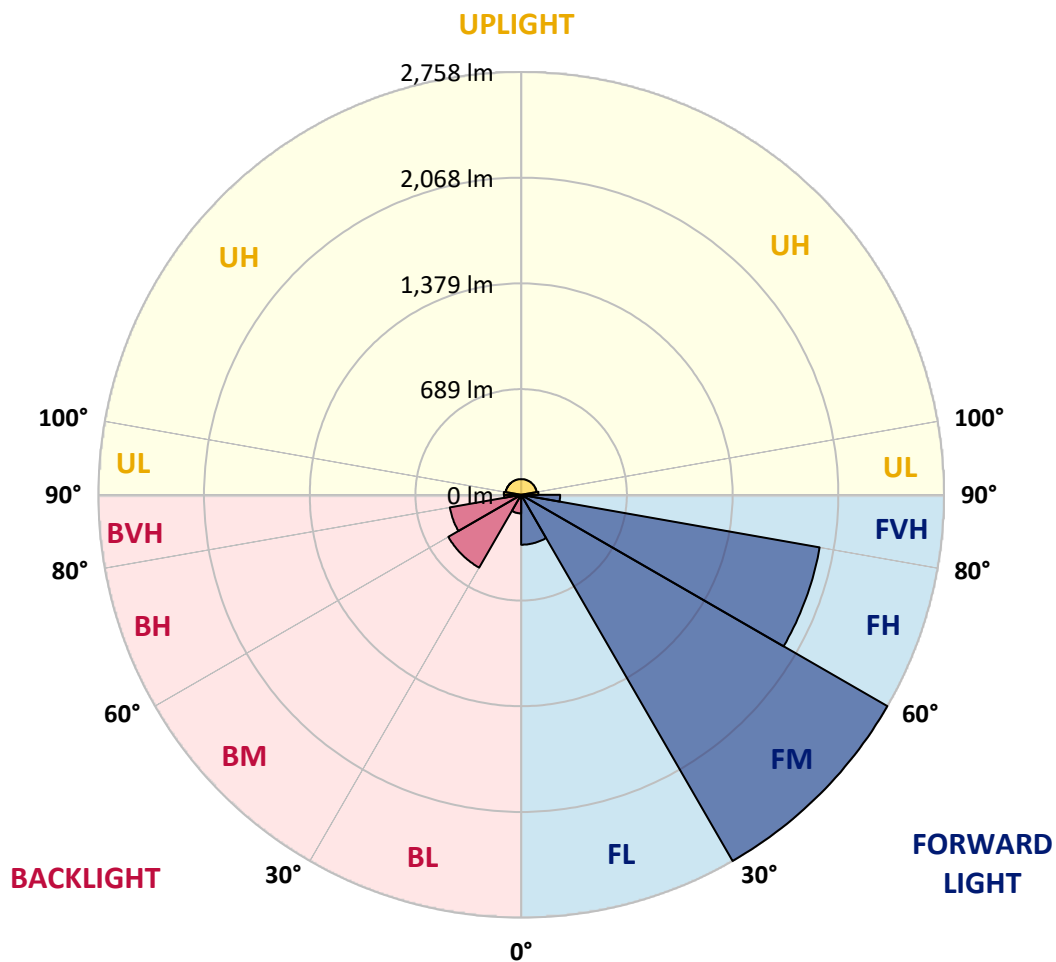
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.5	4.8			
FM (30°-60°)	2757.8	40.7			
FH (60°-80°)	1976.5	29.2			G2/5000
FVH (80°-90°)	254.0	3.7			G3/500
BL (0°-30°)	121.2	1.8	B1/500		
BM (30°-60°)	548.4	8.1	B1/1000		
BH (60°-80°)	472.6	7.0	B1/500		G1/500
BVH (80°-90°)	112.2	1.7			G2/225
UL (90°-100°)	113.1	1.7		U3/500	
UH (100°-180°)	102.6	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	279.3	278.5	277.7	276.1	272.9	269.6	264.8	258.4	253.6	252.8	248.0
5°	314.6	312.2	312.2	308.2	301.7	295.3	285.7	274.5	265.6	260.8	253.6
7.5°	357.9	353.1	354.7	348.3	339.5	328.2	313.0	297.7	280.9	276.1	265.6
10°	410.1	406.9	403.7	395.6	385.2	367.6	353.1	330.6	308.2	301.7	285.7
12.5°	473.5	474.3	464.7	455.8	438.2	420.5	402.9	381.2	356.3	349.1	328.2
15°	562.6	561.8	551.3	531.3	509.6	490.3	475.9	452.6	428.5	420.5	389.2
17.5°	666.9	664.5	656.5	621.1	599.5	584.2	563.4	548.9	514.4	505.6	467.1
20°	819.4	804.9	786.5	739.1	707.0	687.8	670.9	652.4	615.5	600.3	554.5
22.5°	988.7	995.9	962.2	889.2	835.4	800.1	782.5	772.8	744.7	734.3	665.3
25°	1199.0	1199.0	1146.0	1065.7	995.9	930.1	926.1	937.3	899.6	892.4	819.4
27.5°	1420.4	1429.3	1359.5	1273.6	1167.7	1090.6	1086.6	1096.2	1093.0	1072.2	967.8
30°	1673.2	1665.2	1586.6	1482.2	1341.8	1251.1	1239.9	1309.7	1315.3	1300.9	1186.9
32.5°	1967.8	1961.3	1862.6	1701.3	1528.0	1423.7	1430.9	1529.6	1568.1	1543.2	1410.0
35°	2325.7	2333.7	2178.8	1951.7	1723.0	1602.6	1610.6	1734.2	1806.5	1776.0	1625.9
37.5°	2693.2	2695.6	2553.6	2246.2	1932.5	1761.5	1780.8	1931.6	2024.7	1999.9	1793.6
40°	2926.0	2950.0	2813.6	2521.5	2153.1	1920.4	1936.5	2085.7	2140.3	2093.8	1851.4
42.5°	3129.8	3148.3	3009.4	2695.6	2320.9	2062.5	2056.8	2170.0	2248.6	2219.8	1970.2
45°	3230.1	3266.2	3141.0	2816.8	2438.8	2173.2	2129.9	2299.2	2474.1	2438.0	2162.8
47.5°	3157.1	3201.2	3148.3	2880.2	2491.8	2243.0	2252.7	2485.4	2711.7	2671.6	2373.0
50°	2918.7	2971.7	2989.4	2832.9	2505.4	2277.5	2380.3	2693.2	2996.6	2988.6	2631.4
52.5°	2631.4	2659.5	2736.6	2690.0	2454.9	2317.7	2518.3	2894.7	3290.3	3265.4	2845.7
55°	2365.8	2402.7	2466.1	2438.8	2329.7	2322.5	2627.4	3119.4	3602.5	3599.3	3115.4
57.5°	1999.9	2051.2	2184.4	2199.7	2167.6	2292.8	2706.9	3295.9	3878.5	3889.8	3385.8
60°	1535.2	1578.5	1780.8	1942.1	1970.2	2223.0	2747.0	3490.1	4350.4	4409.0	3858.5
62.5°	1244.7	1252.7	1406.0	1607.4	1798.4	2095.4	2753.4	3735.7	4762.9	4815.9	4141.8
65°	931.7	930.1	1071.4	1300.9	1566.5	1946.1	2733.4	3812.7	4986.8	5122.4	4412.2
67°	748.7	766.4	857.1	1075.4	1365.9	1806.5	2577.7	3755.8	5162.6	5311.8	4510.9
67.5°	719.9	728.7	811.3	1017.6	1320.1	1764.7	2531.9	3741.3	5161.8	5288.6	4481.2
70°	574.6	586.6	646.8	783.3	1056.1	1491.1	2210.1	3405.9	4856.0	5040.6	4209.2
72.5°	443.8	453.4	496.0	599.5	804.1	1200.6	1828.1	2930.8	4205.2	4351.2	3568.8
75°	337.9	341.1	381.2	451.8	613.9	915.7	1411.6	2308.0	3458.0	3568.8	2900.3
77.5°	261.6	268.8	299.3	346.7	455.8	689.4	1062.5	1797.6	2751.0	2734.2	2205.3
80°	203.8	210.3	232.7	265.6	341.9	506.4	777.6	1329.0	2009.5	2029.6	1614.7
82.5°	163.7	168.5	183.8	207.9	263.2	385.2	568.2	993.5	1528.0	1520.8	1183.7
85°	130.8	134.0	145.3	166.1	203.0	292.1	419.7	738.3	1078.6	1087.4	808.1
87.5°	101.9	105.9	118.8	131.6	160.5	222.3	309.8	512.0	717.4	724.7	555.3
90°	79.4	81.9	93.1	106.7	130.0	168.5	223.9	350.7	462.2	453.4	357.1
92.5°	58.6	61.0	71.4	84.3	101.1	130.0	161.3	224.7	270.4	276.1	223.1
95°	41.7	44.1	53.0	62.6	77.0	98.7	114.8	142.8	166.1	161.3	142.8
97.5°	32.1	32.9	39.3	46.5	58.6	76.2	85.1	98.7	109.1	106.7	99.5
100°	25.7	26.5	31.3	35.3	45.7	60.2	68.2	75.4	81.9	79.4	76.2
102.5°	21.7	22.5	25.7	28.9	37.7	50.6	55.4	60.2	62.6	62.6	61.0
105°	18.5	19.3	21.7	24.9	32.1	41.7	44.9	47.3	49.8	49.0	49.0
107.5°	16.9	16.9	19.3	21.7	28.1	35.3	36.9	37.7	38.5	38.5	40.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.2	16.1	17.7	19.3	24.9	31.3	31.3	30.5	30.5	30.5	32.9
112.5°	14.4	15.2	16.1	18.5	23.3	27.3	26.5	24.9	24.9	25.7	28.1
115°	14.4	14.4	15.2	17.7	21.7	24.9	23.3	20.9	20.9	21.7	24.1
117.5°	14.4	14.4	16.1	17.7	20.9	22.5	20.9	18.5	17.7	18.5	20.9
120°	15.2	15.2	16.1	17.7	19.3	20.9	19.3	16.9	16.1	16.9	19.3
122.5°	16.1	16.1	16.1	17.7	18.5	19.3	17.7	15.2	14.4	15.2	17.7
125°	16.9	16.9	16.9	17.7	18.5	17.7	16.1	14.4	14.4	14.4	16.9
127.5°	18.5	18.5	18.5	18.5	17.7	16.9	15.2	13.6	14.4	14.4	16.1
130°	20.1	20.1	19.3	18.5	17.7	16.1	14.4	12.8	13.6	14.4	16.1
132.5°	20.9	20.1	19.3	17.7	16.9	14.4	12.8	12.0	12.8	13.6	15.2
135°	19.3	19.3	17.7	16.1	15.2	12.8	11.2	11.2	12.0	12.8	13.6
137.5°	16.9	16.9	16.1	14.4	13.6	12.0	10.4	9.6	11.2	12.0	12.8
140°	14.4	14.4	13.6	12.0	11.2	10.4	8.8	8.0	9.6	10.4	11.2
142.5°	12.0	12.0	11.2	9.6	9.6	8.8	7.2	7.2	8.8	8.8	9.6
145°	9.6	9.6	9.6	8.0	8.0	7.2	5.6	6.4	7.2	8.0	8.0
147.5°	8.0	8.0	8.0	6.4	6.4	5.6	4.0	4.8	5.6	6.4	6.4
150°	6.4	6.4	6.4	5.6	4.8	4.0	3.2	4.0	4.0	4.8	4.8
152.5°	4.8	4.8	4.8	4.0	4.0	2.4	2.4	3.2	3.2	4.0	4.0
155°	3.2	3.2	4.0	3.2	2.4	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	245.6	244.0	240.0	235.9	231.9	228.7	224.7	223.9	223.9	222.3	222.3
5°	248.8	244.0	234.3	226.3	217.5	210.3	204.6	202.2	199.8	198.2	196.6
7.5°	256.0	248.0	231.9	219.1	206.2	195.0	187.0	183.0	180.6	178.2	179.0
10°	272.9	260.8	237.5	216.7	197.4	182.2	172.5	167.7	166.1	163.7	163.7
12.5°	309.0	292.9	259.2	223.9	194.2	173.3	162.1	160.5	162.1	164.5	164.5
15°	365.9	341.9	292.9	244.0	201.4	171.7	165.3	170.1	175.8	179.0	179.0
17.5°	435.8	402.9	333.0	267.2	211.9	186.2	178.2	184.6	191.8	196.6	196.6
20°	512.8	468.7	374.0	287.3	227.1	206.2	197.4	203.0	212.7	219.9	219.1
22.5°	613.1	548.9	421.3	305.0	245.6	224.7	219.1	226.3	240.8	250.4	251.2
25°	737.5	649.2	476.7	328.2	262.4	240.8	242.4	255.2	274.5	284.9	284.9
27.5°	869.9	758.4	524.0	351.5	280.1	257.6	265.6	283.3	304.2	316.2	317.8
30°	1044.9	898.8	583.4	374.8	295.3	274.5	284.1	305.0	320.2	327.4	328.2
32.5°	1223.0	1032.0	630.8	398.8	309.8	286.5	295.3	315.4	329.0	337.1	336.3
35°	1384.3	1139.6	658.9	410.1	322.6	295.3	299.3	321.0	329.0	333.8	333.0
37.5°	1507.9	1216.6	669.3	412.5	327.4	299.3	300.9	319.4	330.6	339.5	337.9
40°	1528.8	1206.2	630.0	398.0	326.6	299.3	302.5	323.4	335.5	339.5	338.7
42.5°	1605.8	1235.1	596.3	372.4	317.0	298.5	305.8	325.0	330.6	328.2	325.8
45°	1739.8	1296.1	586.6	359.5	305.0	296.1	307.4	321.0	320.2	315.4	313.8
47.5°	1872.3	1354.6	565.8	353.9	301.7	295.3	306.6	316.2	318.6	313.8	312.2
50°	2040.8	1432.5	548.9	345.9	302.5	295.3	305.0	316.2	317.8	309.8	309.0
52.5°	2191.7	1486.3	524.0	338.7	303.3	297.7	305.0	316.2	317.0	309.0	307.4
55°	2349.0	1543.2	498.4	331.4	305.8	300.1	307.4	317.0	317.8	312.2	310.6
57.5°	2506.2	1593.0	469.5	325.8	308.2	305.0	309.0	317.8	324.2	322.6	322.6
60°	2827.3	1735.8	464.7	326.6	310.6	309.0	310.6	321.8	333.8	329.8	330.6
62.5°	2954.1	1766.3	455.8	337.1	317.8	312.2	313.0	325.0	337.9	343.5	342.7
65°	3069.6	1768.7	438.2	344.3	326.6	314.6	314.6	325.8	347.5	360.3	360.3
67°	3063.2	1720.6	425.3	345.1	330.6	317.0	313.8	325.8	348.3	362.7	363.5
67.5°	3026.3	1689.3	420.5	345.1	331.4	317.0	313.0	325.0	348.3	363.5	363.5
70°	2804.0	1524.8	389.2	336.3	329.0	313.0	308.2	317.0	343.5	364.3	364.3
72.5°	2322.5	1255.1	345.1	314.6	313.8	302.5	295.3	305.0	330.6	352.3	351.5
75°	1877.1	1003.1	300.9	282.5	290.5	282.5	276.9	284.1	309.0	330.6	329.0
77.5°	1402.8	753.6	260.0	252.0	263.2	257.6	252.8	260.0	284.1	305.0	301.7
80°	1036.8	581.0	226.3	223.1	231.1	229.5	227.9	231.1	252.0	265.6	263.2
82.5°	763.2	442.2	195.0	192.6	202.2	202.2	202.2	204.6	219.9	224.7	222.3
85°	542.5	333.0	171.7	165.3	173.3	177.4	179.8	180.6	188.6	189.4	183.8
87.5°	382.0	262.4	154.1	140.4	144.5	153.3	157.3	156.5	159.7	157.3	151.7
90°	266.4	206.2	139.6	119.6	119.6	128.4	134.8	134.0	134.8	128.4	122.8
92.5°	187.8	155.7	118.0	98.7	97.1	105.9	111.5	110.7	110.7	104.3	98.7
95°	126.0	114.8	93.9	79.4	77.0	84.3	89.9	88.3	88.3	81.9	79.4
97.5°	93.1	87.5	77.0	67.4	62.6	66.6	70.6	70.6	71.4	67.4	65.0
100°	73.0	70.6	65.8	57.8	53.0	53.8	56.2	56.2	59.4	56.2	54.6
102.5°	61.0	59.4	55.4	49.8	45.7	44.9	46.5	47.3	51.4	49.0	48.2
105°	50.6	49.8	47.3	42.5	39.3	39.3	39.3	40.1	44.1	42.5	42.5
107.5°	40.9	40.9	40.9	36.9	34.5	34.5	33.7	34.5	37.7	37.7	37.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.5	34.5	35.3	32.1	30.5	30.5	29.7	30.5	33.7	34.5	34.5
112.5°	29.7	29.7	30.5	28.9	27.3	27.3	26.5	26.5	29.7	32.1	32.1
115°	25.7	26.5	26.5	25.7	24.9	24.1	23.3	24.1	27.3	29.7	29.7
117.5°	22.5	23.3	24.1	23.3	22.5	21.7	20.9	21.7	24.9	28.1	28.1
120°	20.1	20.9	21.7	21.7	20.9	20.1	18.5	20.1	22.5	25.7	26.5
122.5°	18.5	19.3	19.3	19.3	19.3	17.7	16.9	17.7	20.1	23.3	24.1
125°	17.7	17.7	18.5	18.5	17.7	16.1	15.2	16.1	17.7	20.1	20.9
127.5°	16.9	16.9	17.7	17.7	16.1	14.4	13.6	14.4	16.1	17.7	17.7
130°	16.9	16.9	16.9	16.1	15.2	13.6	12.0	12.8	14.4	16.1	16.1
132.5°	16.1	15.2	15.2	15.2	13.6	12.0	11.2	11.2	12.8	14.4	14.4
135°	14.4	14.4	13.6	13.6	12.8	10.4	9.6	9.6	11.2	12.8	12.8
137.5°	12.8	12.8	12.0	12.0	11.2	9.6	8.0	8.8	10.4	10.4	11.2
140°	11.2	11.2	10.4	10.4	9.6	8.0	6.4	7.2	8.8	8.8	9.6
142.5°	9.6	9.6	9.6	8.8	8.0	6.4	5.6	6.4	8.0	8.0	8.0
145°	8.0	8.0	8.0	7.2	6.4	4.8	4.0	5.6	7.2	6.4	6.4
147.5°	6.4	6.4	6.4	6.4	4.8	4.0	3.2	4.8	5.6	5.6	5.6
150°	4.8	4.8	4.8	4.8	4.0	2.4	2.4	4.0	4.8	4.8	4.8
152.5°	4.0	4.0	4.0	4.8	4.0	1.6	1.6	3.2	4.0	4.0	4.0
155°	3.2	3.2	4.0	4.0	3.2	1.6	0.8	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	3.2	3.2	2.4	1.6	0.8	1.6	3.2	2.4	2.4
160°	1.6	2.4	2.4	2.4	2.4	1.6	0.0	1.6	2.4	1.6	1.6
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)