

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: P695078

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4155 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

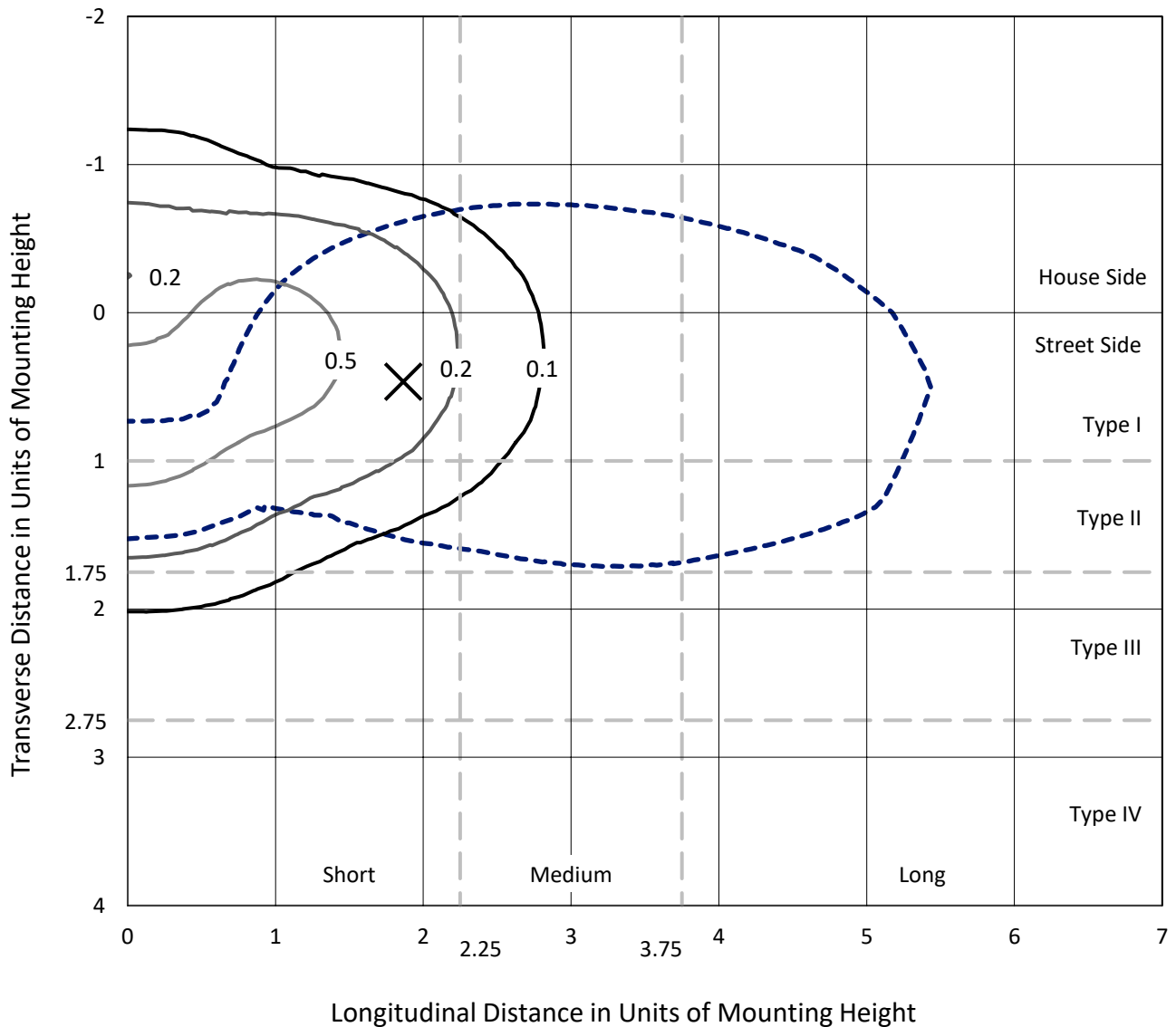
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

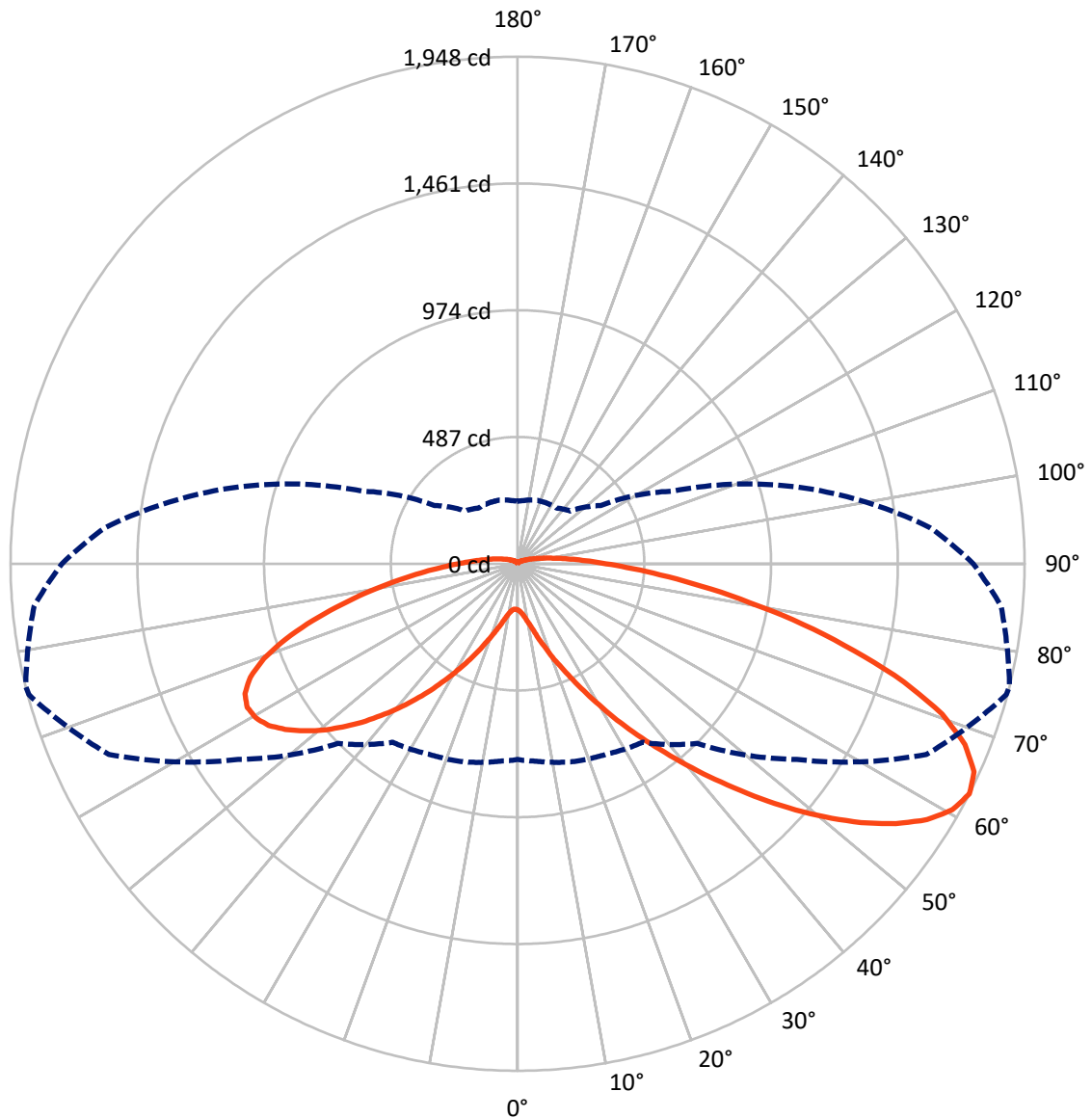
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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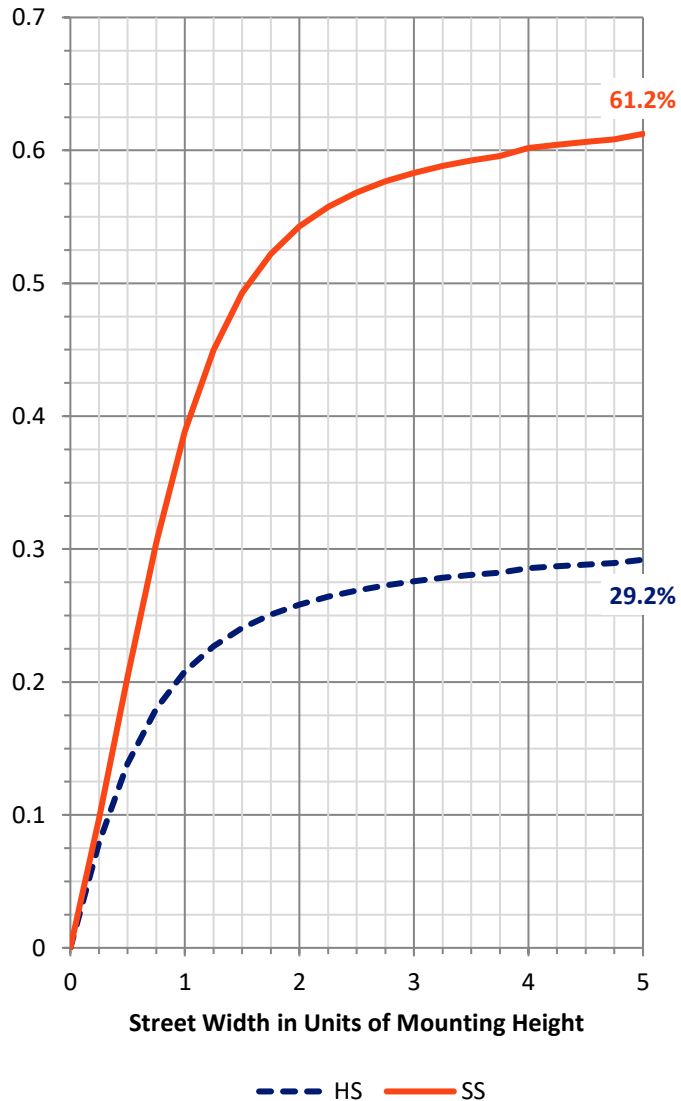
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1264.0	124.2	1388.2
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	2614.8	152.0	2766.8
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	3878.8	276.2	4155.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.5	0.4
10°-20°	76.4	1.8
20°-30°	195.2	4.7
30°-40°	390.2	9.4
40°-50°	630.4	15.2
50°-60°	824.6	19.8
60°-70°	836.6	20.1
70°-80°	601.5	14.5
80°-90°	305.4	7.4
90°-100°	138.1	3.3
100°-110°	67.8	1.6
110°-120°	36.3	0.9
120°-130°	20.0	0.5
130°-140°	10.0	0.2
140°-150°	3.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3878.8	93.4
0°-180°	4155.0	100.0

**Coefficient of Utilization**

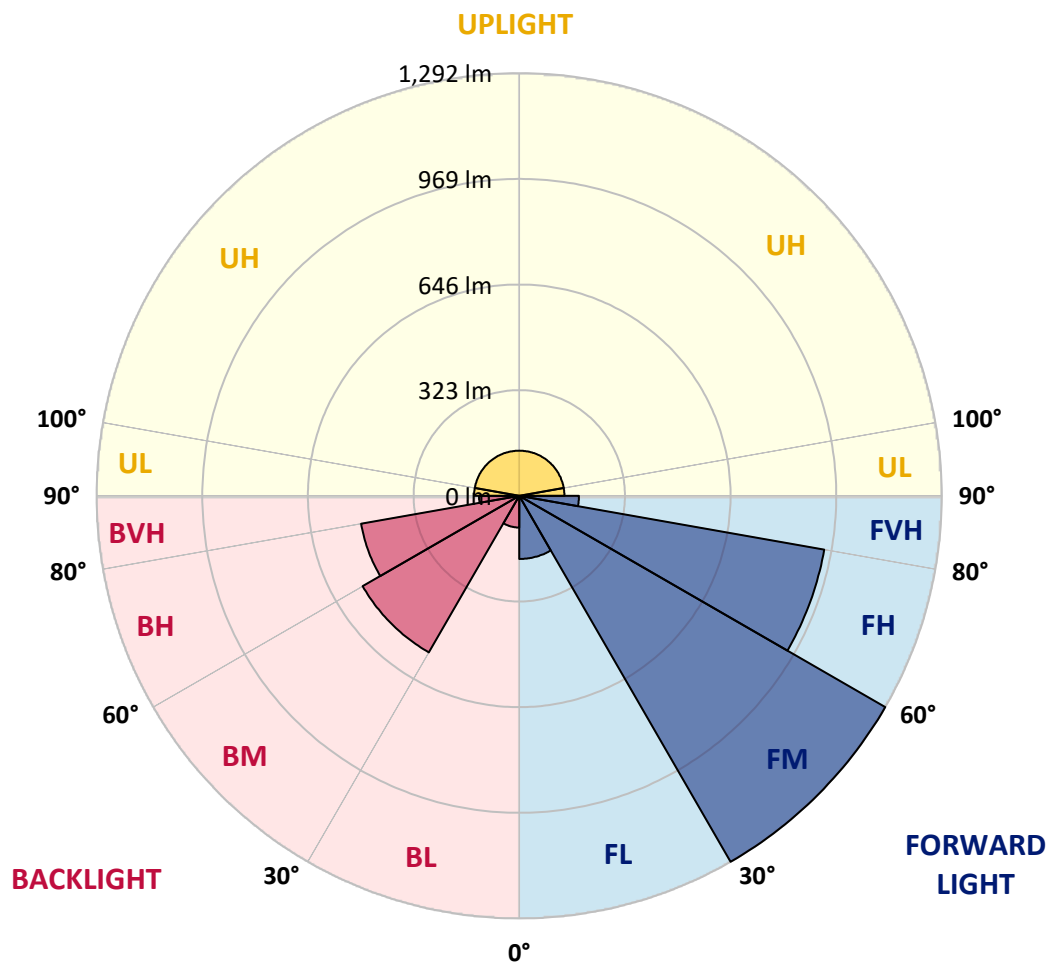


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.2	4.6			
FM (30°-60°)	1292.3	31.1			
FH (60°-80°)	947.0	22.8			G1/1800
FVH (80°-90°)	182.4	4.4			G2/225
BL (0°-30°)	97.0	2.3	B0/110		
BM (30°-60°)	552.9	13.3	B1/1000		
BH (60°-80°)	491.1	11.8	B1/500		G1/500
BVH (80°-90°)	123.0	3.0			G2/225
UL (90°-100°)	138.1	3.3		U3/500	
UH (100°-180°)	138.0	3.3		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6
2.5°	198.5	197.0	197.0	195.5	194.0	192.5	189.6	186.6	183.6	183.6	180.6
5°	225.4	223.9	223.9	220.9	217.9	211.9	207.5	201.5	195.5	194.0	188.1
7.5°	255.2	256.7	255.2	250.7	246.3	238.8	229.8	220.9	210.4	209.0	200.0
10°	292.5	294.0	289.6	283.6	279.1	271.6	258.2	246.3	232.8	231.3	219.4
12.5°	337.3	334.3	334.3	326.9	317.9	304.5	289.6	276.1	259.7	256.7	243.3
15°	382.1	388.1	383.6	373.1	359.7	346.3	331.3	314.9	298.5	295.5	276.1
17.5°	434.3	441.8	435.8	423.9	410.4	392.5	379.1	358.2	338.8	334.3	311.9
20°	500.0	500.0	492.5	477.6	462.7	449.3	429.8	407.5	385.1	383.6	353.7
22.5°	565.7	562.7	555.2	538.8	520.9	506.0	483.6	462.7	440.3	432.8	407.5
25°	638.8	635.8	622.4	600.0	585.1	564.2	546.3	525.4	501.5	494.0	465.7
27.5°	713.4	710.4	694.0	673.1	649.3	628.4	610.4	594.0	564.2	564.2	531.3
30°	791.0	786.6	767.2	744.8	714.9	694.0	683.6	667.2	646.3	641.8	601.5
32.5°	864.2	865.7	846.3	814.9	783.6	762.7	758.2	753.7	731.3	729.8	686.6
35°	940.3	937.3	916.4	885.1	852.2	832.8	834.3	843.3	823.9	820.9	768.7
37.5°	1009.0	1009.0	986.6	947.8	911.9	897.0	917.9	941.8	928.4	919.4	865.7
40°	1071.6	1067.2	1047.8	1007.5	967.2	965.7	1003.0	1038.8	1034.3	1031.3	965.7
42.5°	1117.9	1111.9	1094.0	1052.2	1016.4	1023.9	1085.1	1153.7	1152.2	1146.3	1076.1
45°	1143.3	1140.3	1123.9	1085.1	1050.7	1079.1	1168.7	1261.2	1277.6	1273.1	1188.1
47.5°	1147.8	1146.3	1132.8	1098.5	1073.1	1119.4	1250.7	1374.6	1400.0	1401.5	1304.5
50°	1129.8	1129.8	1120.9	1094.0	1079.1	1147.8	1314.9	1491.0	1526.9	1528.4	1422.4
52.5°	1086.6	1086.6	1086.6	1068.7	1065.7	1156.7	1368.7	1583.6	1653.7	1652.2	1544.8
55°	1025.4	1023.9	1029.8	1026.9	1031.3	1141.8	1394.0	1670.1	1767.2	1762.7	1656.7
57.5°	949.3	944.8	959.7	965.7	979.1	1106.0	1398.5	1728.4	1858.2	1855.2	1747.8
60°	850.7	853.7	876.1	886.6	910.4	1049.3	1368.7	1749.2	1919.4	1919.4	1823.9
62.5°	752.2	761.2	788.1	807.5	837.3	976.1	1310.4	1732.8	1943.3	1947.8	1864.2
65°	656.7	668.7	698.5	719.4	756.7	886.6	1214.9	1668.7	1919.4	1926.9	1867.2
67.5°	570.1	573.1	606.0	629.8	668.7	791.0	1106.0	1559.7	1840.3	1853.7	1819.4
70°	486.6	491.0	523.9	550.7	585.1	691.0	976.1	1398.5	1707.5	1729.8	1713.4
72.5°	406.0	413.4	441.8	473.1	506.0	598.5	837.3	1235.8	1528.4	1552.2	1561.2
75°	341.8	349.3	377.6	407.5	437.3	511.9	713.4	1046.3	1322.4	1335.8	1379.1
77.5°	283.6	292.5	316.4	346.3	373.1	435.8	591.0	862.7	1111.9	1122.4	1159.7
80°	237.3	244.8	264.2	292.5	313.4	365.7	483.6	698.5	891.0	904.5	937.3
82.5°	197.0	200.0	220.9	244.8	267.2	309.0	395.5	555.2	698.5	713.4	758.2
85°	165.7	167.2	185.1	204.5	225.4	256.7	322.4	434.3	538.8	549.3	582.1
87.5°	134.3	137.3	155.2	173.1	189.6	216.4	261.2	341.8	414.9	419.4	441.8
90°	111.9	114.9	129.9	146.3	162.7	180.6	214.9	264.2	316.4	319.4	332.8
92.5°	94.0	95.5	109.0	125.4	140.3	155.2	176.1	209.0	246.3	249.3	255.2
95°	79.1	80.6	92.5	106.0	119.4	131.3	147.8	168.7	191.0	192.5	198.5
97.5°	68.7	68.7	79.1	91.0	103.0	111.9	122.4	137.3	150.7	149.3	150.7
100°	58.2	58.2	67.2	79.1	89.6	97.0	103.0	110.4	116.4	117.9	117.9
102.5°	50.7	50.7	58.2	70.1	79.1	85.1	89.6	91.0	94.0	94.0	92.5
105°	43.3	44.8	50.7	61.2	68.7	74.6	76.1	76.1	74.6	74.6	74.6
107.5°	38.8	38.8	44.8	53.7	61.2	65.7	67.2	64.2	61.2	59.7	59.7
110°	35.8	35.8	40.3	47.8	55.2	58.2	58.2	53.7	49.3	50.7	49.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	31.3	32.8	35.8	43.3	49.3	52.2	50.7	46.3	41.8	40.3	40.3
115°	29.9	29.9	32.8	38.8	44.8	46.3	44.8	40.3	34.3	34.3	34.3
117.5°	26.9	26.9	29.9	34.3	38.8	41.8	38.8	34.3	28.4	28.4	28.4
120°	25.4	25.4	26.9	31.3	35.8	37.3	34.3	29.9	23.9	23.9	25.4
122.5°	23.9	23.9	25.4	28.4	31.3	32.8	31.3	25.4	20.9	20.9	22.4
125°	22.4	22.4	22.4	25.4	28.4	29.9	26.9	22.4	17.9	17.9	19.4
127.5°	20.9	20.9	20.9	22.4	25.4	25.4	23.9	19.4	16.4	16.4	17.9
130°	19.4	19.4	19.4	20.9	22.4	22.4	19.4	16.4	14.9	14.9	14.9
132.5°	17.9	17.9	17.9	17.9	19.4	19.4	16.4	13.4	11.9	13.4	13.4
135°	16.4	16.4	16.4	16.4	16.4	16.4	13.4	10.4	10.4	10.4	11.9
137.5°	14.9	14.9	14.9	13.4	13.4	13.4	10.4	9.0	9.0	9.0	10.4
140°	13.4	13.4	13.4	11.9	10.4	10.4	7.5	7.5	7.5	7.5	9.0
142.5°	11.9	11.9	11.9	10.4	9.0	7.5	6.0	6.0	6.0	6.0	7.5
145°	10.4	10.4	9.0	9.0	6.0	4.5	4.5	4.5	4.5	6.0	6.0
147.5°	9.0	9.0	7.5	6.0	4.5	3.0	1.5	3.0	3.0	3.0	4.5
150°	6.0	6.0	6.0	4.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6
2.5°	179.1	177.6	174.6	171.6	168.7	167.2	165.7	164.2	164.2	164.2	164.2
5°	185.1	180.6	174.6	168.7	162.7	158.2	153.7	150.7	149.3	147.8	147.8
7.5°	195.5	189.6	179.1	170.1	161.2	152.2	146.3	141.8	138.8	137.3	137.3
10°	210.4	203.0	189.6	176.1	162.7	152.2	143.3	137.3	132.8	131.3	129.9
12.5°	234.3	225.4	206.0	186.6	170.1	155.2	144.8	135.8	131.3	129.9	129.9
15°	265.7	253.7	228.4	204.5	182.1	162.7	150.7	144.8	141.8	138.8	138.8
17.5°	298.5	285.1	256.7	226.9	200.0	177.6	164.2	158.2	152.2	150.7	150.7
20°	341.8	323.9	288.1	252.2	220.9	198.5	182.1	170.1	164.2	162.7	162.7
22.5°	388.1	365.7	325.4	280.6	246.3	217.9	198.5	183.6	177.6	174.6	174.6
25°	440.3	419.4	367.2	313.4	274.6	240.3	214.9	198.5	191.0	189.6	189.6
27.5°	503.0	477.6	413.4	352.2	301.5	259.7	231.3	211.9	204.5	203.0	203.0
30°	576.1	540.3	464.2	394.0	329.8	277.6	243.3	225.4	216.4	216.4	216.4
32.5°	644.8	607.5	519.4	435.8	355.2	292.5	255.2	237.3	228.4	228.4	228.4
35°	728.4	685.1	579.1	476.1	377.6	306.0	264.2	246.3	238.8	237.3	237.3
37.5°	820.9	765.7	638.8	513.4	398.5	314.9	271.6	253.7	246.3	244.8	244.8
40°	913.4	849.3	704.5	552.2	413.4	320.9	276.1	259.7	252.2	249.3	249.3
42.5°	1011.9	938.8	767.2	588.1	426.9	323.9	277.6	264.2	256.7	252.2	252.2
45°	1117.9	1031.3	834.3	616.4	435.8	325.4	279.1	265.7	259.7	253.7	253.7
47.5°	1231.3	1129.8	895.5	643.3	438.8	323.9	279.1	267.2	259.7	253.7	252.2
50°	1334.3	1225.4	958.2	664.2	438.8	320.9	279.1	268.7	261.2	252.2	252.2
52.5°	1443.3	1319.4	1011.9	677.6	435.8	316.4	277.6	267.2	261.2	250.7	250.7
55°	1550.7	1409.0	1061.2	685.1	428.4	310.4	274.6	267.2	259.7	249.3	247.8
57.5°	1637.3	1491.0	1101.5	685.1	417.9	303.0	270.1	265.7	258.2	247.8	246.3
60°	1707.5	1553.7	1123.9	676.1	404.5	295.5	265.7	262.7	256.7	244.8	243.3
62.5°	1750.7	1591.0	1129.8	659.7	389.6	286.6	261.2	258.2	253.7	243.3	240.3
65°	1758.2	1595.5	1111.9	631.3	370.1	274.6	253.7	253.7	249.3	238.8	237.3
67.5°	1714.9	1552.2	1067.2	592.5	349.3	262.7	244.8	246.3	243.3	234.3	231.3
70°	1622.4	1468.7	992.5	547.8	325.4	250.7	234.3	235.8	232.8	225.4	223.9
72.5°	1479.1	1331.3	892.5	494.0	300.0	235.8	223.9	223.9	222.4	214.9	211.9
75°	1301.5	1173.1	777.6	437.3	274.6	219.4	210.4	210.4	209.0	201.5	198.5
77.5°	1103.0	991.0	658.2	382.1	247.8	203.0	194.0	195.5	194.0	185.1	185.1
80°	891.0	813.4	549.3	328.4	222.4	185.1	177.6	179.1	176.1	167.2	164.2
82.5°	714.9	650.7	444.8	280.6	197.0	168.7	161.2	161.2	156.7	149.3	147.8
85°	546.3	500.0	359.7	235.8	174.6	150.7	144.8	143.3	137.3	129.9	128.4
87.5°	425.4	386.6	288.1	200.0	152.2	134.3	128.4	125.4	119.4	111.9	110.4
90°	320.9	297.0	229.8	167.2	134.3	119.4	113.4	109.0	103.0	95.5	92.5
92.5°	249.3	234.3	186.6	143.3	116.4	106.0	100.0	95.5	88.1	82.1	79.1
95°	192.5	183.6	153.7	122.4	103.0	92.5	88.1	83.6	77.6	70.1	67.2
97.5°	152.2	144.8	125.4	104.5	91.0	83.6	77.6	73.1	65.7	59.7	58.2
100°	119.4	114.9	104.5	89.6	80.6	73.1	68.7	64.2	56.7	50.7	50.7
102.5°	94.0	92.5	86.6	77.6	71.6	65.7	61.2	56.7	50.7	44.8	43.3
105°	76.1	76.1	71.6	67.2	62.7	58.2	55.2	50.7	43.3	38.8	37.3
107.5°	61.2	62.7	61.2	59.7	55.2	52.2	49.3	43.3	37.3	32.8	32.8
110°	50.7	50.7	52.2	50.7	49.3	46.3	43.3	38.8	32.8	29.9	29.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	41.8	43.3	44.8	44.8	43.3	41.8	38.8	34.3	28.4	25.4	25.4
115°	35.8	35.8	38.8	38.8	38.8	37.3	34.3	29.9	25.4	22.4	23.9
117.5°	29.9	31.3	32.8	34.3	34.3	32.8	29.9	25.4	20.9	20.9	20.9
120°	26.9	26.9	28.4	29.9	29.9	29.9	26.9	22.4	19.4	17.9	17.9
122.5°	23.9	23.9	25.4	26.9	26.9	25.4	23.9	19.4	16.4	16.4	16.4
125°	20.9	20.9	22.4	23.9	23.9	22.4	19.4	16.4	14.9	14.9	14.9
127.5°	17.9	19.4	19.4	20.9	20.9	19.4	17.9	14.9	11.9	13.4	13.4
130°	16.4	16.4	17.9	17.9	17.9	16.4	14.9	11.9	11.9	11.9	11.9
132.5°	14.9	14.9	14.9	14.9	14.9	14.9	11.9	10.4	10.4	10.4	10.4
135°	11.9	13.4	13.4	13.4	13.4	11.9	10.4	9.0	9.0	9.0	10.4
137.5°	10.4	10.4	11.9	10.4	10.4	10.4	7.5	7.5	7.5	9.0	9.0
140°	9.0	9.0	9.0	9.0	9.0	7.5	6.0	6.0	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	7.5	6.0	6.0	4.5	4.5	6.0	6.0	7.5
145°	6.0	6.0	6.0	6.0	4.5	4.5	3.0	4.5	4.5	6.0	6.0
147.5°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	4.5	4.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)