

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: P695683

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695683  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-740-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6288 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G3

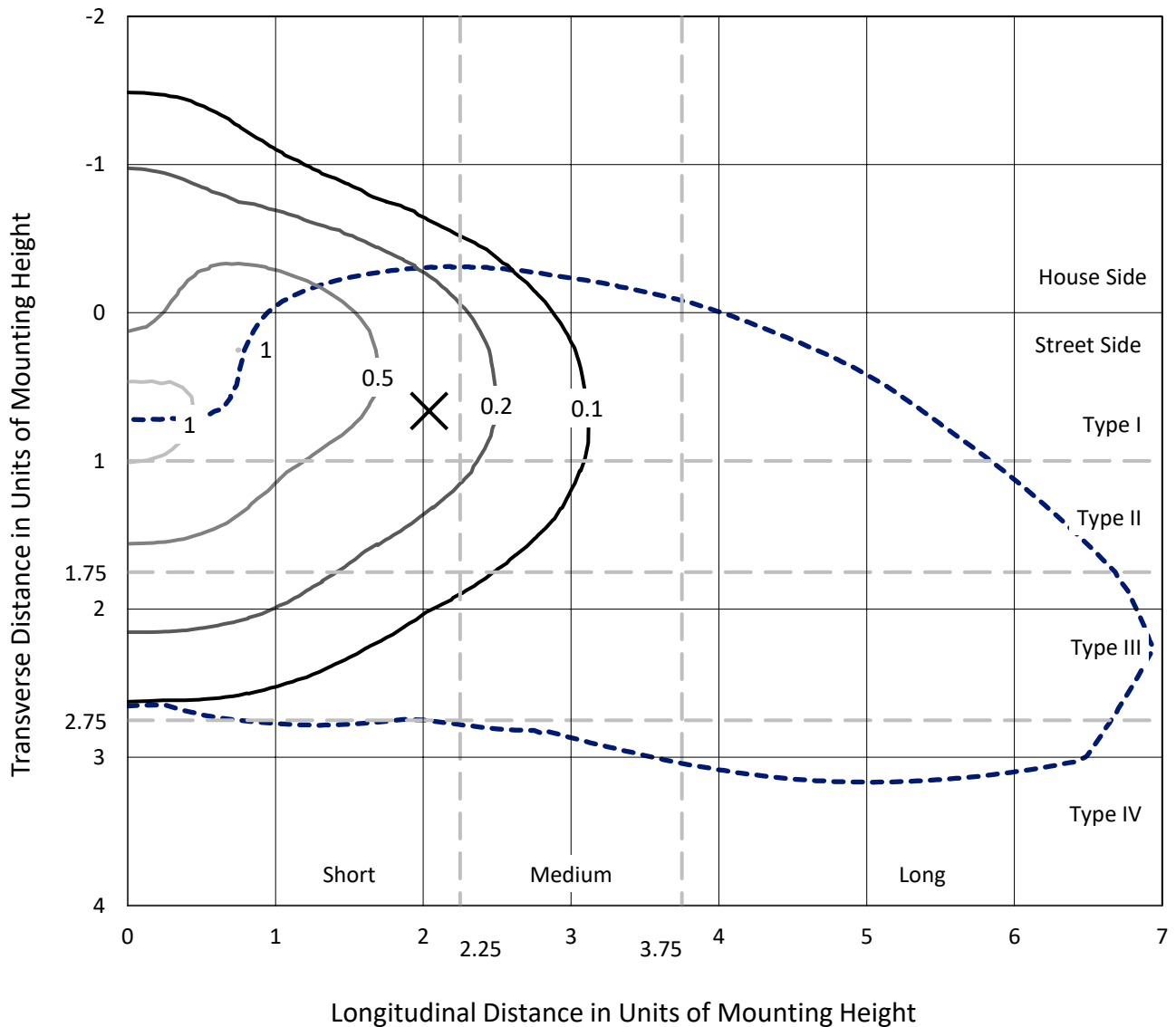
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

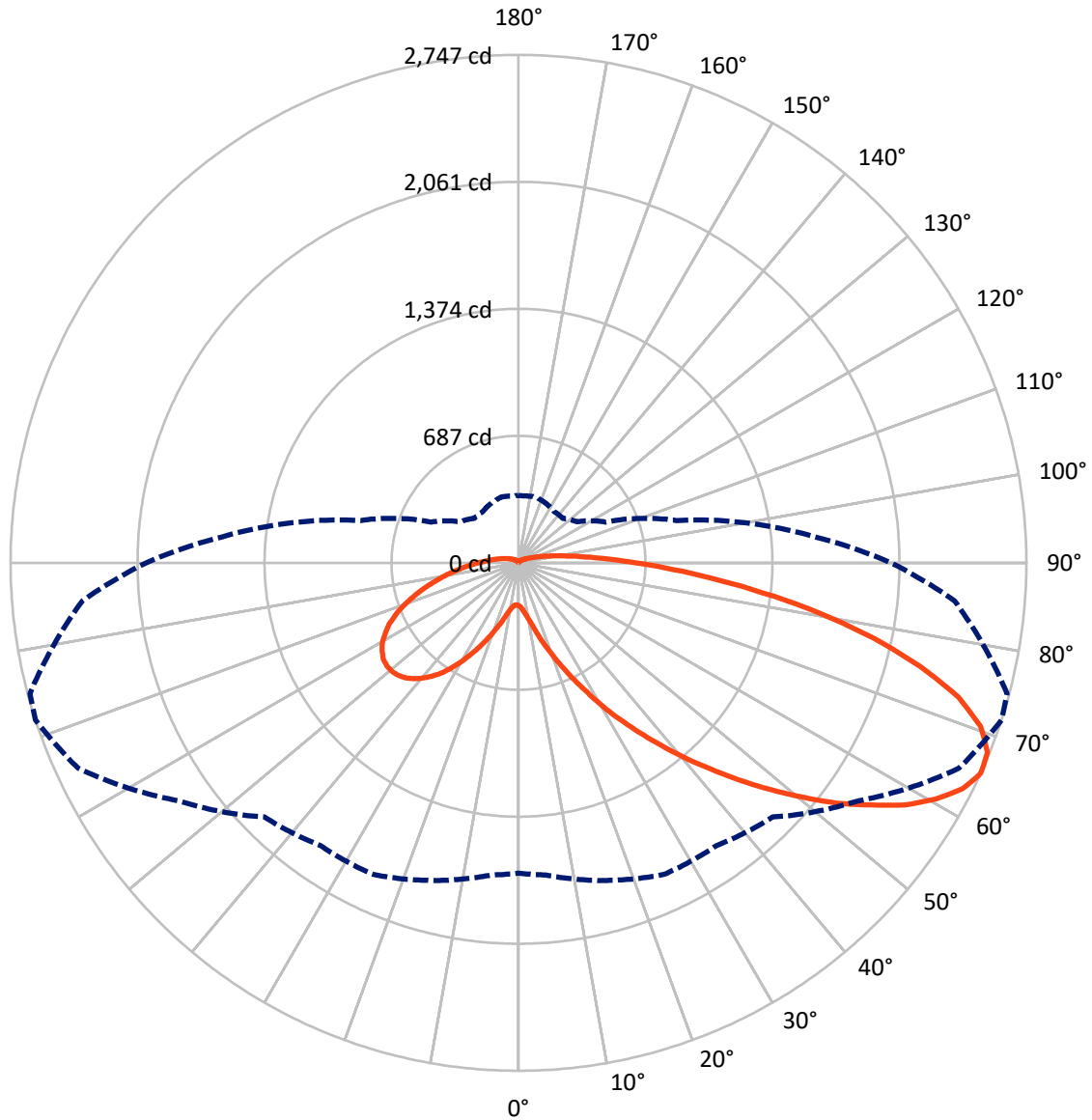
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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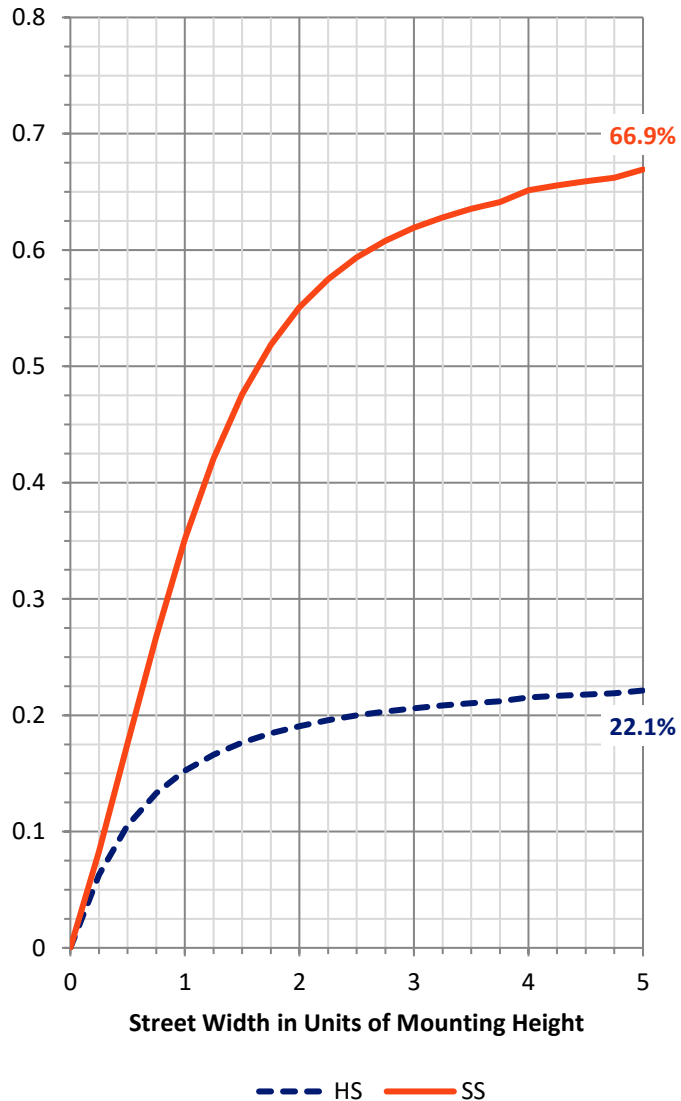
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1469.4	185.8	1655.3
	% Fixture	23.4	3.0	26.3
<b>Street Side</b>	Lumens	4369.7	263.0	4632.7
	% Fixture	69.5	4.2	73.7
<b>Total</b>	Lumens	5839.1	448.9	6288.0
	% Fixture	92.9	7.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	0.4
10°-20°	102.3	1.6
20°-30°	263.4	4.2
30°-40°	523.9	8.3
40°-50°	852.9	13.6
50°-60°	1180.7	18.8
60°-70°	1319.0	21.0
70°-80°	1032.7	16.4
80°-90°	540.0	8.6
90°-100°	235.0	3.7
100°-110°	108.3	1.7
110°-120°	55.2	0.9
120°-130°	29.6	0.5
130°-140°	14.9	0.2
140°-150°	5.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5839.1	92.9
0°-180°	6288.0	100.0

**Coefficient of Utilization**



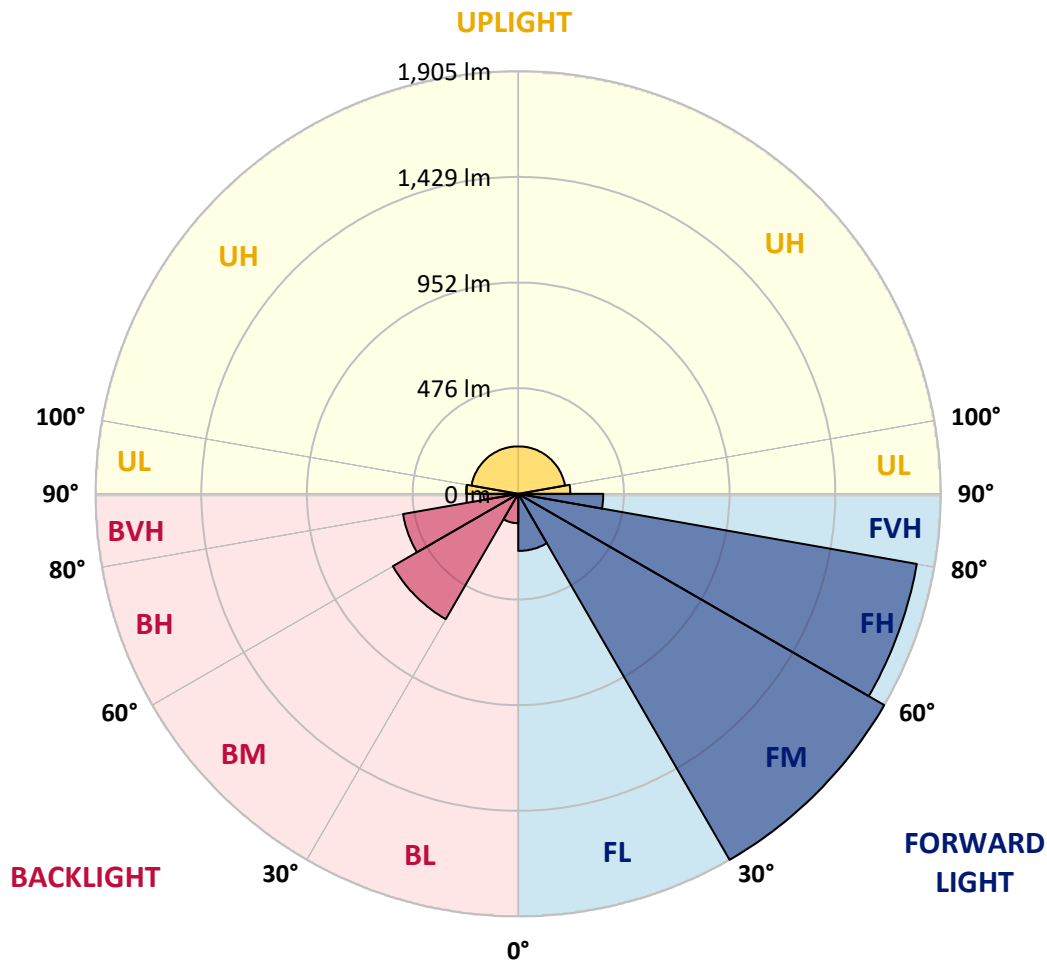
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.5	4.1			
FM (30°-60°)	1904.8	30.3			
FH (60°-80°)	1824.2	29.0			G2/5000
FVH (80°-90°)	383.2	6.1			G3/500
BL (0°-30°)	132.5	2.1	B1/500		
BM (30°-60°)	652.7	10.4	B1/1000		
BH (60°-80°)	527.4	8.4	B2/1000		G2/1000
BVH (80°-90°)	156.8	2.5			G2/225
UL (90°-100°)	235.0	3.7		U3/500	
UH (100°-180°)	213.9	3.4		U3/500	

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8
2.5°	251.5	253.8	253.8	251.5	251.5	249.1	246.8	242.1	239.8	239.8	235.2
5°	284.1	286.4	284.1	281.7	279.4	272.4	270.1	263.1	258.4	256.1	246.8
7.5°	326.0	326.0	323.6	319.0	314.3	309.7	298.0	288.7	281.7	277.1	265.4
10°	370.2	370.2	367.9	365.5	358.6	346.9	335.3	323.6	312.0	309.7	293.4
12.5°	430.7	426.1	421.4	414.4	407.5	395.8	379.5	365.5	353.9	351.6	333.0
15°	491.3	493.6	484.3	472.7	463.3	449.4	435.4	423.8	409.8	405.1	379.5
17.5°	561.1	563.5	556.5	547.2	530.9	516.9	498.3	482.0	472.7	463.3	433.1
20°	647.3	647.3	640.3	621.7	605.4	589.1	572.8	554.1	537.8	530.9	498.3
22.5°	738.1	735.8	726.4	703.2	682.2	661.2	647.3	628.7	617.0	607.7	570.4
25°	847.5	840.5	826.6	798.6	770.7	745.1	724.1	717.1	700.8	691.5	656.6
27.5°	954.6	959.3	936.0	898.7	859.2	833.5	814.9	805.6	794.0	789.3	745.1
30°	1087.3	1078.0	1052.4	1005.8	950.0	915.0	905.7	903.4	903.4	894.1	847.5
32.5°	1210.7	1201.4	1173.5	1117.6	1050.1	1005.8	998.9	1005.8	1010.5	1008.2	950.0
35°	1336.5	1327.2	1294.6	1234.0	1143.2	1092.0	1092.0	1119.9	1126.9	1122.3	1064.1
37.5°	1455.2	1450.6	1418.0	1336.5	1250.3	1187.5	1196.8	1241.0	1252.6	1250.3	1175.8
40°	1569.3	1569.3	1536.7	1448.2	1343.5	1280.6	1296.9	1364.4	1387.7	1385.4	1303.9
42.5°	1685.7	1681.1	1650.8	1564.6	1443.6	1373.7	1404.0	1487.8	1525.1	1529.7	1431.9
45°	1785.8	1781.2	1757.9	1662.4	1541.4	1469.2	1513.4	1627.5	1676.4	1674.1	1557.7
47.5°	1872.0	1869.7	1853.4	1764.9	1636.8	1569.3	1632.2	1771.9	1832.4	1832.4	1699.7
50°	1941.8	1944.2	1932.5	1860.3	1725.3	1664.8	1750.9	1918.6	1993.1	1993.1	1834.7
52.5°	1986.1	1990.7	1995.4	1927.9	1809.1	1753.2	1865.0	2072.2	2160.7	2158.4	1972.1
55°	2000.0	2004.7	2028.0	1986.1	1876.6	1834.7	1979.1	2221.2	2312.0	2305.1	2097.8
57.5°	1976.8	1986.1	2025.7	2011.7	1923.2	1899.9	2074.5	2349.3	2470.4	2463.4	2214.3
60°	1918.6	1930.2	1986.1	2002.4	1941.8	1944.2	2163.0	2477.4	2593.8	2589.1	2305.1
62.5°	1816.1	1834.7	1906.9	1951.1	1925.5	1962.8	2221.2	2575.1	2693.9	2686.9	2358.6
65°	1678.7	1695.0	1778.9	1860.3	1867.3	1944.2	2244.5	2628.7	2747.4	2735.8	2367.9
67.5°	1515.7	1508.8	1615.9	1720.6	1762.6	1876.6	2214.3	2621.7	2735.8	2714.8	2309.7
70°	1315.5	1315.5	1424.9	1529.7	1618.2	1771.9	2130.4	2547.2	2652.0	2621.7	2198.0
72.5°	1080.3	1106.0	1201.4	1324.8	1434.3	1620.5	2000.0	2400.5	2489.0	2454.1	2009.4
75°	884.8	905.7	989.5	1112.9	1238.7	1445.9	1806.8	2188.6	2246.8	2211.9	1778.9
77.5°	710.1	719.5	810.3	915.0	1045.4	1234.0	1576.3	1923.2	1965.1	1927.9	1518.1
80°	547.2	570.4	633.3	733.4	859.2	1043.1	1336.5	1613.5	1653.1	1611.2	1241.0
82.5°	430.7	437.7	495.9	591.4	698.5	854.5	1099.0	1310.9	1329.5	1280.6	1001.2
85°	333.0	337.6	386.5	468.0	561.1	686.9	877.8	1031.5	1036.1	1008.2	782.3
87.5°	253.8	263.1	307.3	372.5	451.7	561.1	691.5	798.6	791.6	770.7	610.0
90°	200.2	204.9	237.5	295.7	360.9	442.4	540.2	610.0	596.1	586.7	461.0
92.5°	158.3	160.7	195.6	239.8	293.4	358.6	423.8	470.3	451.7	444.7	351.6
95°	125.7	130.4	156.0	195.6	239.8	288.7	333.0	356.2	344.6	333.0	272.4
97.5°	102.4	104.8	128.1	160.7	197.9	235.2	265.4	274.7	263.1	258.4	211.9
100°	86.1	86.1	107.1	135.0	163.0	193.3	211.9	216.5	207.2	195.6	163.0
102.5°	72.2	72.2	88.5	114.1	139.7	160.7	172.3	172.3	160.7	153.7	130.4
105°	60.5	62.9	74.5	97.8	118.7	135.0	144.4	137.4	128.1	123.4	104.8
107.5°	53.6	53.6	65.2	83.8	102.4	114.1	118.7	111.8	102.4	95.5	83.8
110°	48.9	48.9	55.9	72.2	88.5	100.1	100.1	93.1	81.5	76.8	69.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	41.9	44.2	48.9	62.9	76.8	86.1	86.1	76.8	67.5	62.9	58.2
115°	39.6	39.6	44.2	55.9	67.5	74.5	74.5	65.2	55.9	53.6	48.9
117.5°	34.9	34.9	39.6	48.9	58.2	65.2	62.9	55.9	46.6	44.2	41.9
120°	32.6	32.6	34.9	41.9	51.2	55.9	53.6	46.6	39.6	37.3	37.3
122.5°	30.3	30.3	32.6	37.3	46.6	48.9	46.6	39.6	34.9	32.6	34.9
125°	27.9	27.9	30.3	34.9	39.6	41.9	39.6	32.6	30.3	30.3	30.3
127.5°	27.9	27.9	27.9	30.3	34.9	37.3	34.9	27.9	25.6	25.6	27.9
130°	25.6	25.6	25.6	27.9	30.3	32.6	27.9	23.3	23.3	23.3	23.3
132.5°	23.3	23.3	23.3	23.3	25.6	25.6	23.3	21.0	21.0	21.0	21.0
135°	21.0	21.0	21.0	21.0	21.0	21.0	18.6	16.3	18.6	18.6	18.6
137.5°	18.6	18.6	18.6	18.6	18.6	16.3	16.3	14.0	16.3	16.3	16.3
140°	16.3	16.3	16.3	16.3	14.0	14.0	11.6	11.6	11.6	14.0	14.0
142.5°	14.0	14.0	14.0	14.0	11.6	9.3	9.3	9.3	11.6	11.6	11.6
145°	11.6	11.6	11.6	9.3	9.3	7.0	7.0	7.0	9.3	9.3	9.3
147.5°	9.3	9.3	9.3	7.0	7.0	4.7	4.7	4.7	7.0	7.0	7.0
150°	7.0	7.0	7.0	4.7	4.7	2.3	2.3	4.7	4.7	4.7	4.7
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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	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8	232.8
2.5°	232.8	232.8	228.2	225.8	223.5	221.2	218.9	216.5	216.5	216.5	216.5
5°	244.5	237.5	230.5	223.5	216.5	211.9	204.9	202.6	200.2	197.9	197.9
7.5°	258.4	253.8	239.8	228.2	216.5	207.2	200.2	193.3	188.6	186.3	186.3
10°	284.1	274.7	258.4	239.8	223.5	209.6	197.9	188.6	183.9	181.6	181.6
12.5°	321.3	307.3	284.1	258.4	235.2	216.5	202.6	190.9	183.9	183.9	181.6
15°	365.5	349.3	319.0	286.4	253.8	228.2	211.9	202.6	195.6	193.3	193.3
17.5°	416.8	400.5	360.9	316.7	281.7	249.1	228.2	216.5	209.6	204.9	204.9
20°	479.6	456.4	405.1	353.9	307.3	277.1	246.8	232.8	223.5	218.9	216.5
22.5°	547.2	521.5	458.7	393.5	339.9	300.4	267.8	246.8	235.2	232.8	230.5
25°	628.7	591.4	514.6	435.4	372.5	323.6	286.4	260.8	251.5	246.8	246.8
27.5°	714.8	670.6	575.1	479.6	402.8	342.3	300.4	274.7	265.4	263.1	260.8
30°	805.6	754.4	638.0	528.5	430.7	360.9	316.7	291.0	279.4	277.1	277.1
32.5°	905.7	845.2	700.8	565.8	451.7	372.5	326.0	302.7	291.0	291.0	291.0
35°	1003.5	933.7	766.0	605.4	470.3	381.8	335.3	314.3	302.7	305.0	305.0
37.5°	1108.3	1031.5	821.9	633.3	484.3	388.8	339.9	323.6	316.7	316.7	316.7
40°	1222.4	1112.9	873.1	654.3	489.0	391.2	344.6	330.6	326.0	326.0	328.3
42.5°	1331.8	1208.4	917.4	670.6	491.3	391.2	346.9	337.6	335.3	335.3	335.3
45°	1441.2	1292.2	956.9	675.2	489.0	388.8	349.3	342.3	342.3	342.3	342.3
47.5°	1560.0	1376.0	984.9	672.9	482.0	384.2	349.3	344.6	349.3	346.9	346.9
50°	1664.8	1455.2	1003.5	665.9	472.7	379.5	346.9	349.3	353.9	351.6	351.6
52.5°	1774.2	1525.1	1012.8	649.6	458.7	372.5	346.9	351.6	356.2	353.9	353.9
55°	1872.0	1585.6	1012.8	631.0	447.0	367.9	346.9	353.9	360.9	358.6	358.6
57.5°	1951.1	1627.5	996.5	605.4	430.7	360.9	344.6	353.9	363.2	360.9	360.9
60°	2011.7	1650.8	973.2	579.8	416.8	353.9	342.3	353.9	365.5	360.9	363.2
62.5°	2037.3	1648.5	931.3	549.5	402.8	346.9	339.9	353.9	365.5	363.2	363.2
65°	2014.0	1608.9	884.8	521.5	386.5	339.9	337.6	353.9	367.9	363.2	363.2
67.5°	1946.5	1532.0	824.2	486.6	370.2	333.0	333.0	351.6	365.5	360.9	360.9
70°	1823.1	1420.3	754.4	456.4	353.9	323.6	326.0	344.6	358.6	358.6	356.2
72.5°	1657.8	1275.9	677.5	421.4	337.6	312.0	316.7	337.6	349.3	349.3	346.9
75°	1464.5	1108.3	600.7	388.8	319.0	300.4	305.0	323.6	337.6	335.3	333.0
77.5°	1234.0	938.3	526.2	353.9	298.0	284.1	291.0	309.7	321.3	316.7	314.3
80°	1022.1	789.3	458.7	319.0	277.1	267.8	274.7	288.7	298.0	295.7	293.4
82.5°	817.2	638.0	388.8	286.4	256.1	249.1	256.1	267.8	274.7	272.4	267.8
85°	635.6	516.9	333.0	253.8	232.8	228.2	235.2	244.5	249.1	244.5	242.1
87.5°	500.6	405.1	277.1	223.5	209.6	207.2	211.9	221.2	225.8	221.2	214.2
90°	391.2	326.0	235.2	197.9	188.6	188.6	190.9	197.9	197.9	193.3	190.9
92.5°	305.0	260.8	197.9	172.3	167.6	167.6	172.3	174.6	174.6	167.6	165.3
95°	239.8	209.6	167.6	151.3	149.0	149.0	153.7	153.7	151.3	144.4	142.0
97.5°	188.6	170.0	144.4	132.7	130.4	132.7	135.0	135.0	130.4	123.4	121.1
100°	151.3	139.7	121.1	116.4	116.4	118.7	118.7	116.4	111.8	104.8	104.8
102.5°	123.4	114.1	104.8	102.4	102.4	104.8	104.8	102.4	97.8	88.5	88.5
105°	100.1	93.1	88.5	88.5	90.8	90.8	90.8	88.5	81.5	74.5	74.5
107.5°	81.5	79.2	76.8	76.8	79.2	81.5	81.5	76.8	69.9	65.2	65.2
110°	67.5	67.5	67.5	67.5	69.9	72.2	72.2	67.5	60.5	55.9	55.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	58.2	55.9	58.2	60.5	62.9	65.2	62.9	58.2	51.2	48.9	48.9
115°	48.9	48.9	51.2	53.6	55.9	55.9	55.9	51.2	44.2	41.9	41.9
117.5°	44.2	44.2	44.2	46.6	48.9	51.2	48.9	44.2	37.3	37.3	37.3
120°	37.3	37.3	39.6	41.9	44.2	44.2	41.9	37.3	32.6	32.6	32.6
122.5°	34.9	34.9	34.9	37.3	39.6	39.6	37.3	32.6	27.9	30.3	30.3
125°	30.3	30.3	30.3	32.6	34.9	34.9	32.6	27.9	25.6	25.6	25.6
127.5°	27.9	27.9	27.9	27.9	30.3	30.3	27.9	25.6	23.3	23.3	23.3
130°	25.6	25.6	25.6	25.6	25.6	25.6	23.3	21.0	21.0	21.0	21.0
132.5°	21.0	21.0	21.0	21.0	23.3	23.3	21.0	18.6	18.6	18.6	18.6
135°	18.6	18.6	18.6	18.6	18.6	18.6	16.3	16.3	16.3	16.3	16.3
137.5°	16.3	16.3	16.3	16.3	16.3	16.3	14.0	14.0	14.0	14.0	14.0
140°	14.0	14.0	14.0	14.0	14.0	11.6	11.6	11.6	11.6	14.0	14.0
142.5°	11.6	11.6	11.6	11.6	9.3	9.3	9.3	9.3	11.6	11.6	11.6
145°	9.3	9.3	9.3	9.3	7.0	7.0	7.0	9.3	9.3	9.3	9.3
147.5°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	7.0	7.0	9.3	9.3
150°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	7.0	7.0	7.0
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

(END OF REPORT)