

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: P266146

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-A-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266146  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-SL3-A-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5818.2 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

Input Watts (W): 74  
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: 28.75 FT

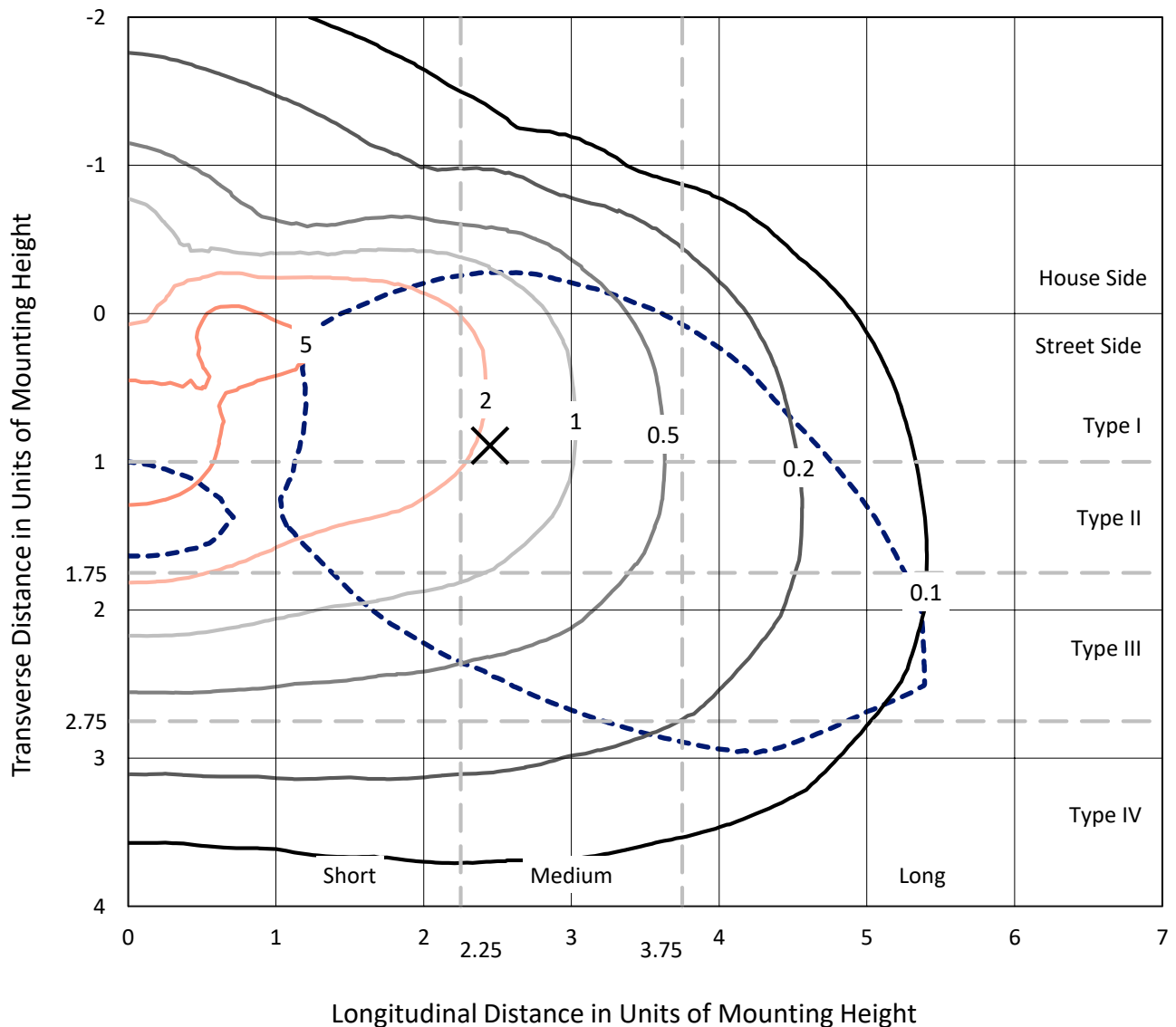


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

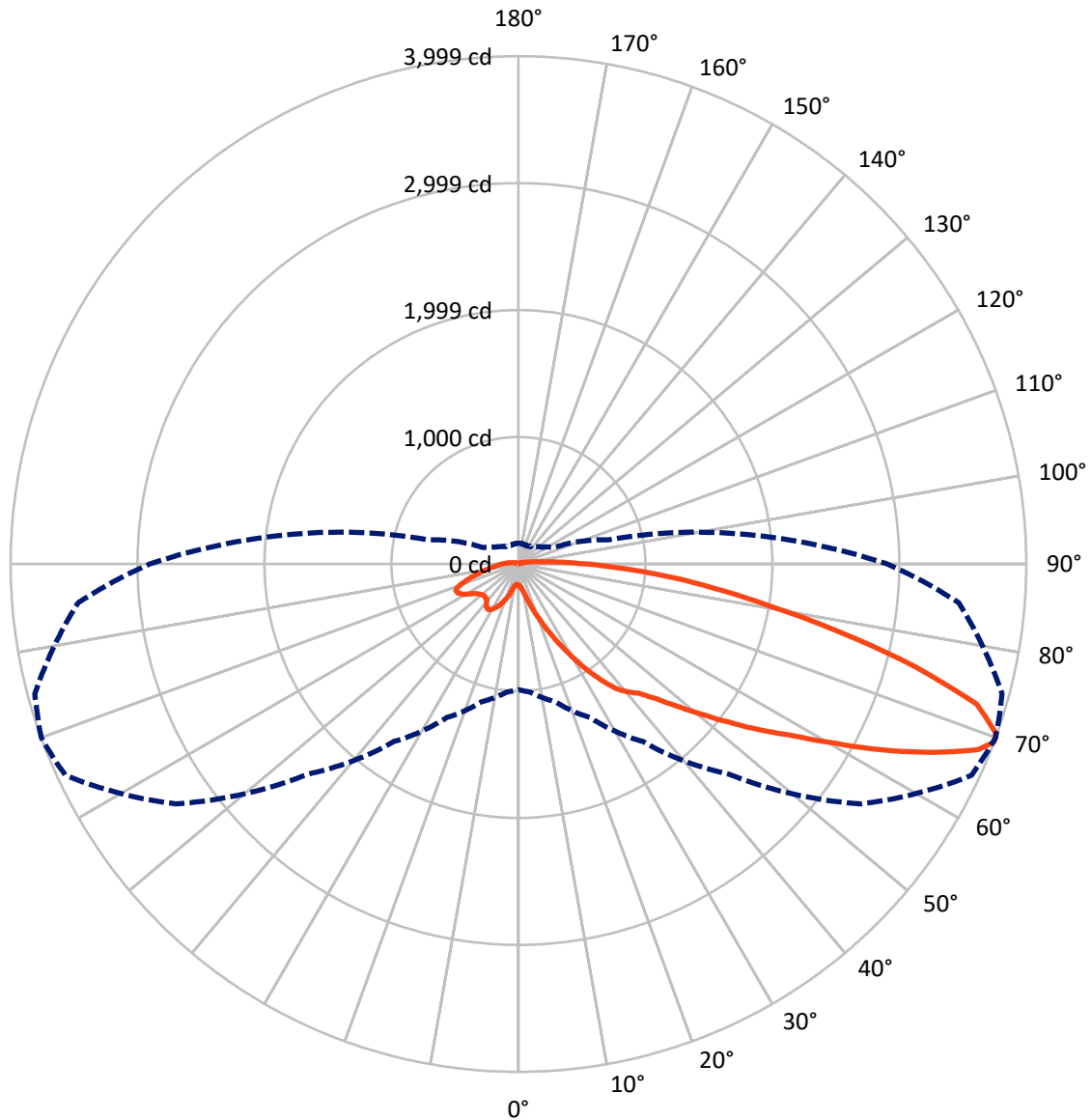


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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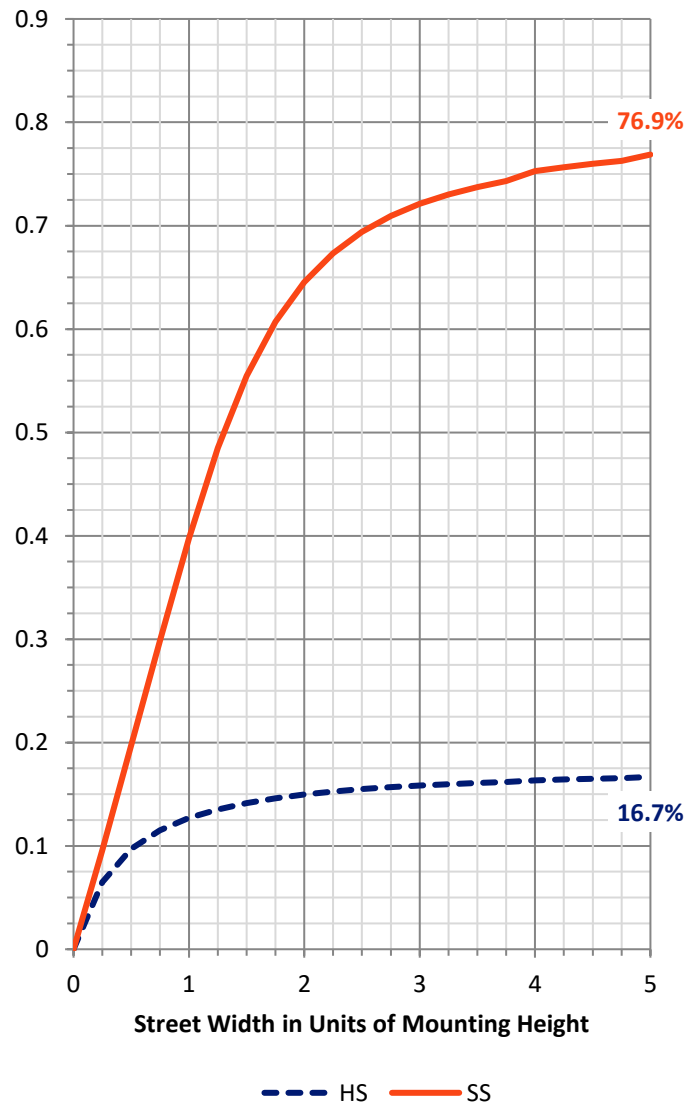
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1012.0	79.9	1091.9
	% Fixture	17.4	1.4	18.8
<b>Street Side</b>	Lumens	4594.7	131.6	4726.3
	% Fixture	79.0	2.3	81.2
<b>Total</b>	Lumens	5606.7	211.6	5818.2
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.2	0.3
10°-20°	74.7	1.3
20°-30°	207.8	3.6
30°-40°	439.1	7.5
40°-50°	736.7	12.7
50°-60°	1110.6	19.1
60°-70°	1445.2	24.8
70°-80°	1130.1	19.4
80°-90°	445.2	7.7
90°-100°	132.0	2.3
100°-110°	43.2	0.7
110°-120°	18.6	0.3
120°-130°	10.0	0.2
130°-140°	5.4	0.1
140°-150°	1.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5606.7	96.4
0°-180°	5818.2	100.0

**Coefficient of Utilization**



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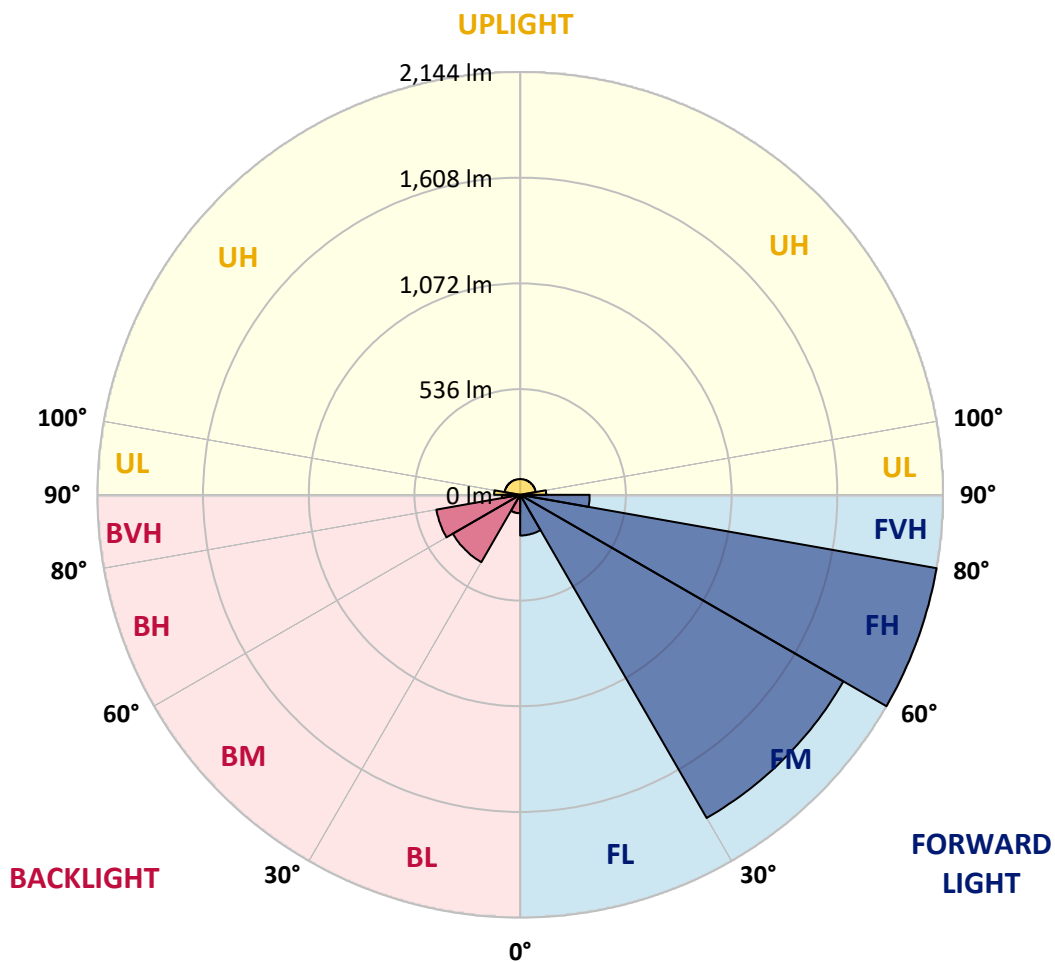
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.2	3.5			
FM	(30°-60°)	1892.2	32.5			
FH	(60°-80°)	2144.0	36.8			G2/5000
FVH	(80°-90°)	352.2	6.1			G3/500
BL	(0°-30°)	93.5	1.6	B0/110		
BM	(30°-60°)	394.2	6.8	B1/1000		
BH	(60°-80°)	431.3	7.4	B1/500		G1/500
BVH	(80°-90°)	93.0	1.6			G1/100
UL	(90°-100°)	132.0	2.3		U3/500	
UH	(100°-180°)	79.9	1.4		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9
2.5°	185.7	185.7	186.4	185.7	185.0	182.0	179.1	175.4	174.0	172.6	168.9
5°	206.8	206.8	206.0	204.5	203.1	198.0	193.7	187.8	185.0	182.0	175.4
7.5°	232.2	231.6	230.9	227.9	224.9	218.4	211.9	204.5	200.2	196.5	187.8
10°	262.8	262.1	261.3	256.2	252.0	244.6	238.1	228.6	224.9	219.8	207.5
12.5°	302.2	304.3	299.9	291.9	286.1	275.9	271.6	265.0	260.7	258.4	245.3
15°	351.6	353.2	347.3	334.2	326.2	315.9	317.5	318.2	315.9	315.9	299.9
17.5°	411.3	408.5	404.1	385.2	372.7	368.5	375.0	381.5	382.9	385.2	368.5
20°	486.3	487.8	474.8	447.0	427.4	428.9	436.8	449.2	455.0	460.1	442.7
22.5°	589.0	577.4	562.1	522.8	495.9	489.9	502.4	526.3	535.8	549.0	532.2
25°	698.9	687.4	660.3	615.2	574.5	556.9	577.4	618.8	634.9	656.8	642.2
27.5°	816.2	806.7	766.0	717.8	662.6	632.0	658.8	715.1	740.5	768.1	752.2
30°	942.1	931.3	883.2	826.4	756.5	717.8	738.9	819.9	862.1	899.9	892.6
32.5°	1092.1	1077.5	1018.6	946.5	854.7	809.0	831.6	941.5	994.6	1043.3	1033.1
35°	1259.6	1252.2	1173.6	1081.9	969.1	904.2	935.6	1055.0	1122.0	1173.6	1159.8
37.5°	1451.8	1443.0	1353.4	1231.8	1088.4	1006.9	1030.3	1164.3	1242.0	1296.8	1266.2
40°	1631.0	1622.2	1533.3	1390.7	1213.0	1114.6	1134.3	1253.8	1324.5	1368.7	1312.8
42.5°	1822.4	1805.7	1706.6	1542.1	1345.5	1229.1	1224.6	1322.1	1389.9	1447.3	1389.1
45°	1991.4	1987.0	1880.6	1692.0	1478.7	1341.1	1312.8	1421.2	1510.1	1587.2	1527.5
47.5°	2097.6	2091.8	2013.9	1826.1	1595.2	1450.4	1429.9	1562.4	1666.5	1750.3	1681.1
50°	2154.3	2152.2	2096.9	1927.9	1711.7	1570.4	1585.0	1734.9	1852.2	1957.0	1882.8
52.5°	2179.1	2179.1	2136.2	2000.7	1815.0	1708.0	1762.7	1934.5	2066.3	2179.1	2080.1
55°	2176.2	2177.0	2132.5	2018.2	1897.4	1852.2	1965.1	2170.3	2303.7	2425.2	2309.5
57.5°	2084.4	2090.3	2080.8	2006.5	1941.7	1998.5	2198.1	2423.7	2549.0	2664.1	2534.5
60°	1863.9	1879.2	1912.6	1927.3	1951.9	2137.6	2440.5	2709.8	2865.0	3005.5	2899.2
62.5°	1650.5	1663.7	1710.3	1773.7	1924.3	2243.2	2709.8	3102.3	3226.2	3360.7	3163.6
65°	1391.4	1411.7	1502.8	1622.9	1857.3	2317.4	3006.9	3470.1	3576.3	3641.1	3396.5
67.5°	1130.6	1149.7	1258.9	1450.4	1769.9	2360.4	3226.2	3797.7	3902.4	3909.1	3545.7
69°	989.5	1010.6	1122.7	1333.9	1705.2	2337.1	3293.0	3936.0	3998.5	3941.9	3478.7
70°	913.8	913.8	1038.3	1253.8	1648.4	2294.2	3304.1	3946.2	3986.9	3903.2	3408.1
72.5°	662.6	669.9	800.2	1051.3	1467.1	2120.9	3121.3	3750.3	3773.6	3548.7	2936.3
75°	454.4	461.5	576.6	816.9	1232.7	1845.7	2753.6	3243.6	3223.2	2975.6	2374.3
77.5°	314.5	319.6	407.0	595.5	974.9	1527.5	2294.9	2651.6	2601.4	2369.9	1776.5
80°	220.7	225.7	292.7	442.7	739.8	1202.0	1819.4	2077.2	2004.4	1798.3	1304.7
82.5°	155.0	159.4	214.8	334.9	560.6	935.6	1435.0	1615.6	1543.5	1360.8	932.7
85°	110.8	113.5	155.8	254.8	429.6	697.5	1089.3	1210.7	1137.3	968.4	619.7
87.5°	80.0	83.1	115.1	192.1	332.7	542.4	805.2	857.0	754.2	613.1	391.8
90°	60.5	62.6	86.6	144.2	259.3	398.3	576.6	558.4	483.5	386.6	261.3
92.5°	45.2	46.6	66.3	109.2	198.7	309.5	400.5	364.1	301.4	244.6	178.4
95°	33.4	34.9	50.2	82.3	147.1	222.2	261.3	224.9	187.8	155.0	121.6
97.5°	25.5	26.9	39.3	62.6	106.3	156.6	168.9	143.4	124.5	106.3	86.6
100°	20.4	21.1	30.6	48.1	76.4	107.0	116.5	99.7	87.3	78.0	65.5
102.5°	16.0	17.4	24.8	37.9	58.2	79.4	84.5	72.9	64.8	58.2	51.7
105°	13.8	14.6	20.4	30.6	45.9	59.6	64.0	54.5	48.1	43.7	40.1
107.5°	12.3	12.3	17.4	25.5	37.1	47.3	49.4	40.8	35.7	32.8	30.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	10.9	10.9	15.4	21.9	31.4	39.3	38.5	30.6	26.9	24.1	24.1
112.5°	10.2	10.2	13.1	19.7	26.9	32.8	30.6	24.1	21.1	18.1	19.7
115°	9.4	9.4	12.3	17.4	24.1	27.7	25.5	19.0	16.0	14.6	16.0
117.5°	9.4	9.4	11.7	16.0	21.9	24.1	21.9	16.0	13.1	12.3	13.8
120°	9.4	9.4	11.7	15.4	19.7	21.1	18.1	13.1	11.7	10.2	12.3
122.5°	9.4	9.4	10.9	14.6	18.1	19.0	16.0	11.7	9.4	9.4	10.9
125°	10.2	10.2	11.7	14.6	16.8	16.8	13.8	10.2	8.8	8.8	10.9
127.5°	10.9	10.9	11.7	13.8	15.4	14.6	12.3	9.4	8.8	8.8	10.2
130°	11.7	11.7	12.3	13.1	13.8	12.3	10.2	8.8	8.1	8.8	10.2
132.5°	11.7	11.7	11.7	12.3	12.3	10.9	8.8	7.2	7.2	8.1	9.4
135°	10.9	10.9	10.9	10.9	10.9	8.8	7.2	6.6	6.6	7.2	8.8
137.5°	9.4	9.4	8.8	8.8	8.8	7.2	5.7	5.1	5.1	5.7	7.2
140°	7.2	7.2	7.2	7.2	7.2	5.7	4.4	3.7	4.4	5.1	5.7
142.5°	5.7	5.7	5.7	5.7	5.7	4.4	3.0	3.7	4.4	4.4	5.1
145°	5.1	4.4	4.4	4.4	4.4	3.0	2.2	3.0	3.7	4.4	4.4
147.5°	3.7	3.7	3.7	3.7	3.0	1.4	1.4	3.0	3.0	3.7	4.4
150°	2.2	2.2	2.2	2.2	1.4	0.7	1.4	2.2	3.0	3.0	3.7
152.5°	0.7	0.7	1.4	1.4	0.7	0.0	0.7	1.4	2.2	2.2	3.0
155°	0.0	0.0	0.7	1.4	0.0	0.0	0.7	1.4	1.4	2.2	2.2
157.5°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	1.4	1.4	2.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9	165.9
2.5°	166.7	165.3	162.4	160.2	157.3	155.0	155.0	152.9	152.9	152.2	151.5
5°	172.6	170.4	163.1	158.0	152.9	148.5	145.6	143.4	141.3	139.7	139.1
7.5°	183.4	178.4	168.3	159.4	150.7	144.2	138.2	134.7	131.8	131.1	129.5
10°	201.7	195.8	179.8	165.3	152.2	141.3	133.9	128.8	125.9	125.3	124.5
12.5°	237.3	228.6	205.4	181.3	156.6	139.7	130.3	129.5	130.3	131.8	132.5
15°	289.1	279.6	243.9	206.0	168.3	142.0	136.9	138.2	140.6	142.7	142.7
17.5°	352.3	336.3	288.4	233.6	182.7	155.0	143.4	144.8	149.3	152.9	152.9
20°	423.0	397.5	329.8	254.1	196.5	163.9	149.9	150.7	157.3	161.7	162.4
22.5°	508.9	470.4	373.5	270.8	204.5	167.4	154.4	155.0	165.3	172.6	173.4
25°	605.7	555.5	423.7	289.1	207.5	165.9	156.6	161.7	177.7	190.0	190.8
27.5°	702.7	633.5	462.4	301.4	205.4	161.7	158.0	168.9	188.6	200.2	201.7
30°	827.8	741.2	505.2	306.5	198.0	157.3	158.0	171.8	188.6	200.2	201.0
32.5°	952.4	834.3	540.2	310.2	190.0	153.6	155.8	168.3	184.2	197.3	198.0
35°	1057.9	908.6	555.5	302.9	182.7	151.5	152.2	164.5	182.7	198.7	199.6
37.5°	1135.7	956.7	554.1	285.4	174.0	149.3	149.9	163.9	184.2	201.7	203.8
40°	1162.0	959.6	526.3	259.9	168.3	148.5	150.7	163.9	182.7	197.3	199.6
42.5°	1223.1	985.1	507.5	237.3	163.9	149.9	152.9	161.7	175.4	189.4	192.1
45°	1332.4	1054.3	512.6	226.5	163.1	153.6	154.4	159.4	168.9	182.0	185.7
47.5°	1450.4	1124.9	514.8	220.7	166.7	157.3	156.6	157.3	162.4	173.4	177.0
50°	1613.4	1231.1	526.3	219.8	172.6	161.7	158.7	155.8	159.4	172.6	176.2
52.5°	1781.6	1344.0	545.4	224.2	181.3	167.4	161.7	156.6	159.4	171.0	176.2
55°	1969.4	1484.5	572.9	233.0	190.0	174.0	165.3	158.7	158.7	168.9	173.4
57.5°	2177.0	1629.4	609.4	244.6	199.6	181.3	168.3	159.4	158.0	164.5	168.3
60°	2499.4	1872.5	673.5	261.3	208.9	187.0	170.4	160.2	158.7	163.9	165.9
62.5°	2713.5	2041.5	728.9	278.1	217.7	192.1	171.0	160.2	160.2	163.1	164.5
65°	2916.6	2189.3	766.0	293.4	225.7	195.1	171.0	159.4	160.2	162.4	162.4
67.5°	2985.1	2226.4	768.1	304.3	230.9	195.1	169.6	158.7	160.8	163.1	162.4
69°	2902.9	2149.3	735.4	305.1	230.9	193.0	168.3	157.3	160.8	163.1	162.4
70°	2824.9	2083.0	707.7	302.2	228.6	190.8	165.9	156.6	160.2	162.4	161.7
72.5°	2385.9	1722.0	599.2	287.5	220.7	183.4	159.4	151.5	156.6	159.4	158.0
75°	1901.1	1357.1	488.6	262.1	206.8	171.8	150.7	143.4	149.3	152.2	149.9
77.5°	1416.8	1004.8	391.0	236.7	191.5	161.7	141.3	133.3	137.6	139.1	136.9
80°	1028.0	729.6	313.8	213.3	177.7	151.5	131.8	123.1	126.8	126.8	123.7
82.5°	726.5	518.4	253.4	190.0	163.1	142.7	123.7	114.4	119.5	118.7	115.7
85°	487.2	359.7	207.5	164.5	146.3	131.1	115.1	107.7	113.5	112.8	110.0
87.5°	322.5	257.1	174.0	142.7	128.2	116.5	104.8	99.7	105.6	104.2	100.5
90°	228.6	194.5	147.1	123.1	110.0	101.1	93.2	89.6	93.2	90.3	86.6
92.5°	164.5	145.6	120.8	103.3	91.7	85.9	80.8	78.0	80.0	75.6	72.9
95°	116.5	107.0	96.8	85.2	76.4	71.3	68.5	67.0	68.5	62.0	59.6
97.5°	85.2	80.8	76.4	70.6	63.3	60.5	58.2	56.9	56.9	50.2	48.8
100°	66.3	64.0	62.6	59.0	53.2	50.9	49.4	48.8	47.3	41.5	40.1
102.5°	53.2	52.5	52.5	48.8	44.5	42.9	41.5	40.8	39.3	34.2	32.8
105°	42.2	42.2	42.9	40.1	37.1	35.7	34.9	33.4	32.0	28.3	28.3
107.5°	33.4	33.4	34.9	32.8	31.4	29.9	29.1	27.7	26.2	24.1	24.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.2	26.9	29.1	27.7	26.2	25.5	24.8	22.5	21.1	20.4	20.4
112.5°	21.1	22.5	24.1	23.3	21.9	21.9	20.4	19.0	17.4	17.4	17.4
115°	18.1	19.0	20.4	19.7	19.0	18.1	17.4	15.4	14.6	14.6	15.4
117.5°	15.4	16.0	17.4	16.8	16.0	16.0	14.6	13.1	11.7	13.1	13.1
120°	13.1	13.8	14.6	14.6	13.8	13.8	12.3	10.9	9.4	10.9	10.9
122.5°	12.3	12.3	13.1	12.3	12.3	11.7	10.2	8.8	8.1	9.4	9.4
125°	11.7	11.7	11.7	10.9	10.9	10.2	8.8	7.2	6.6	8.1	8.1
127.5°	10.9	10.9	10.9	10.2	8.8	8.1	7.2	5.7	5.1	6.6	6.6
130°	10.9	10.9	9.4	8.8	8.1	6.6	5.7	4.4	4.4	5.7	5.7
132.5°	10.2	9.4	8.8	7.2	6.6	5.1	4.4	3.7	3.7	4.4	5.1
135°	8.8	8.8	7.2	5.7	5.1	3.7	3.7	2.2	3.0	3.7	3.7
137.5°	7.2	7.2	6.6	5.1	3.7	3.0	2.2	1.4	2.2	3.0	3.0
140°	6.6	5.7	5.1	4.4	3.0	1.4	1.4	0.7	1.4	1.4	2.2
142.5°	5.7	5.7	5.1	3.7	2.2	1.4	0.0	0.7	0.7	0.7	1.4
145°	5.1	5.1	4.4	3.0	2.2	0.7	0.0	0.7	0.7	0.7	0.0
147.5°	4.4	4.4	3.7	3.0	1.4	0.0	0.0	0.0	0.7	0.0	0.0
150°	3.7	3.7	3.0	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.0	3.0	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.2	2.2	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	0.7	0.7	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)