

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: P266077

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-A-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-T4W-A-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3605 lumens  
Efficiency: N/A  
Efficacy: 90.1 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): 40  
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

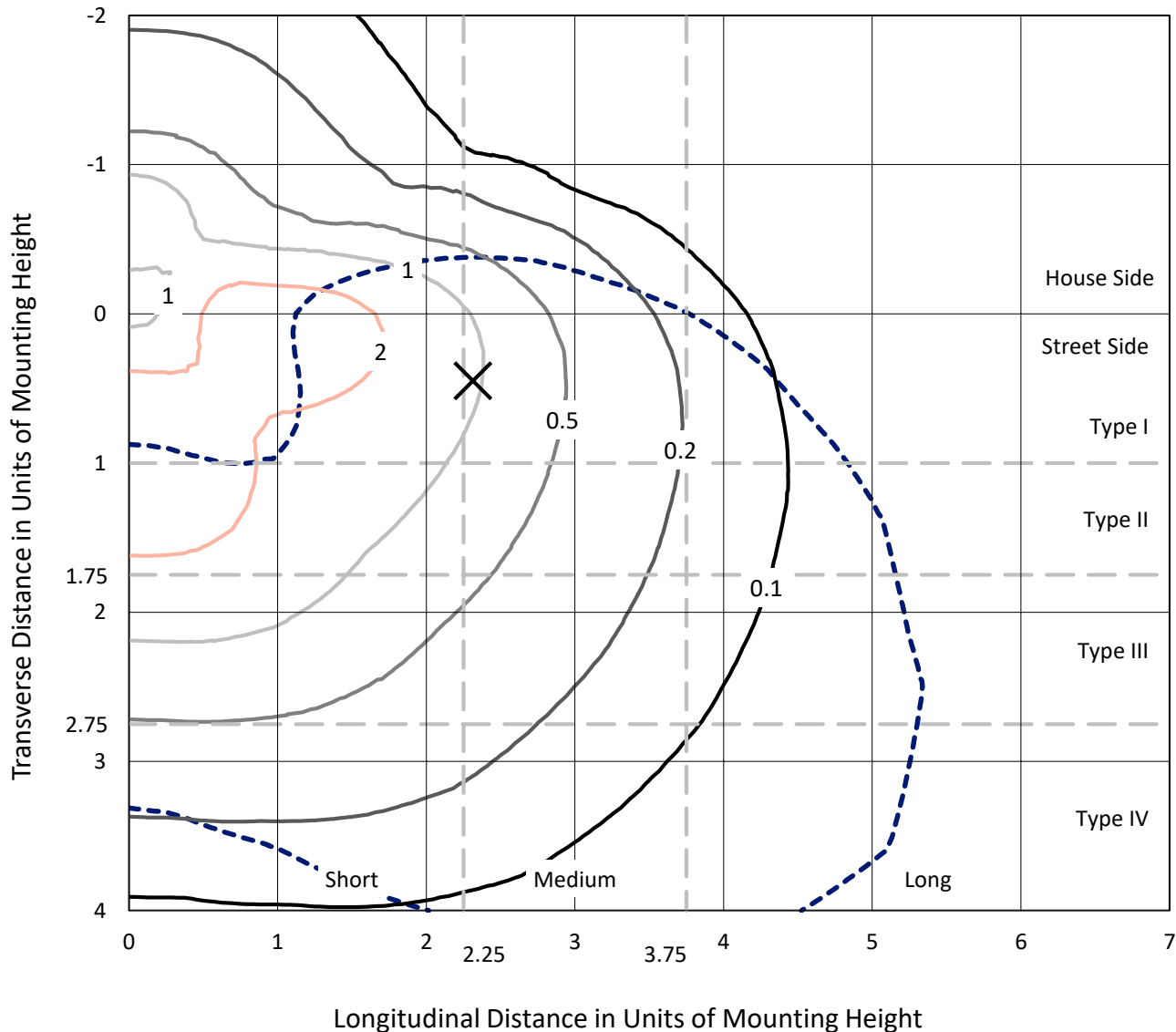


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

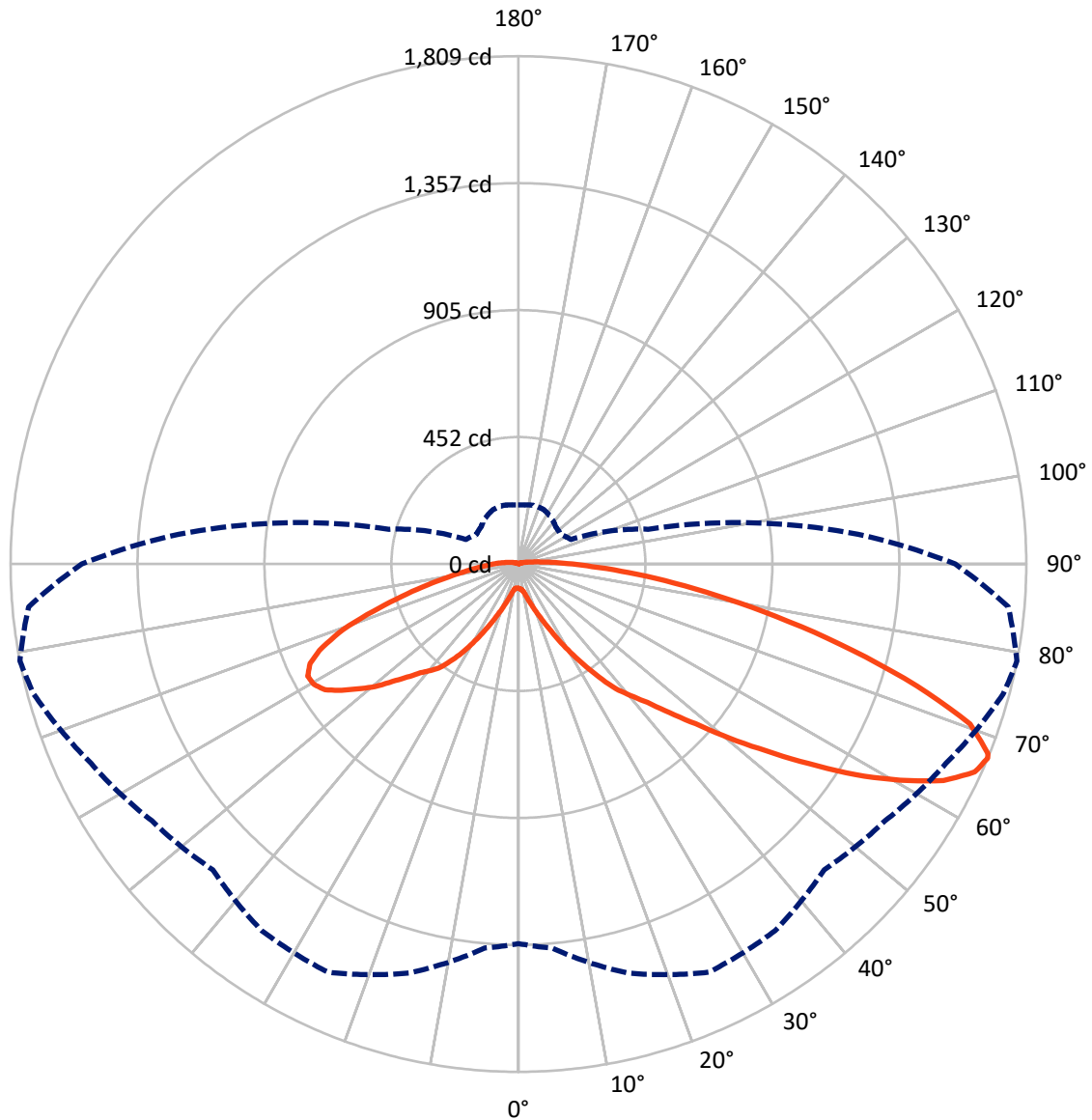


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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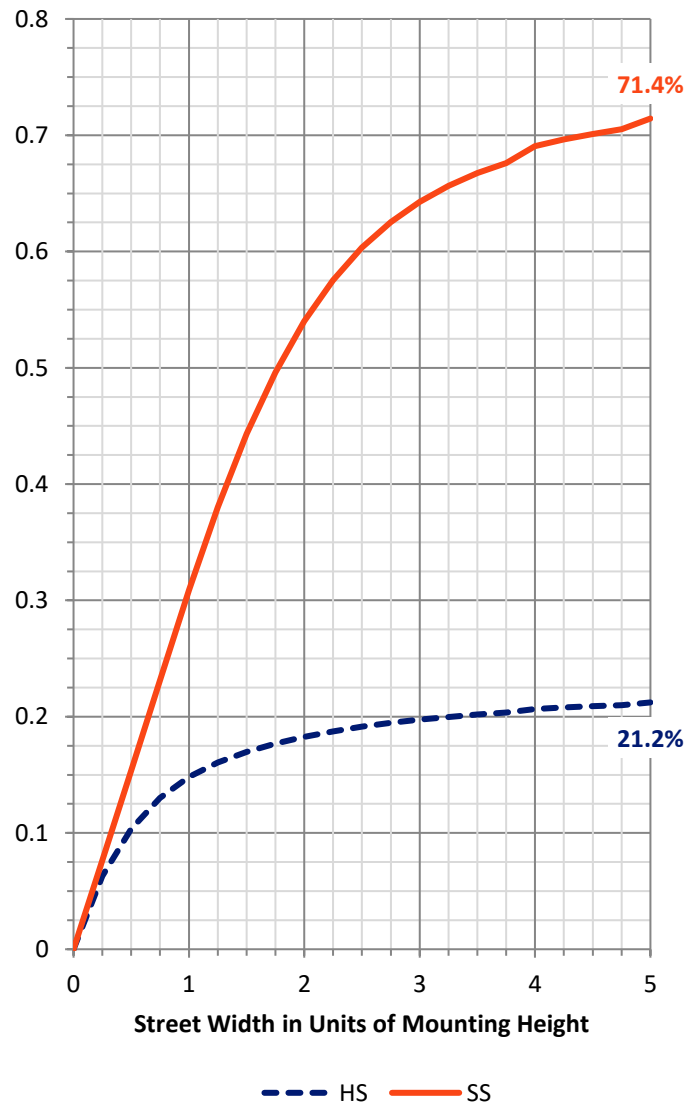
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	803.9	54.3	858.2
	% Fixture	22.3	1.5	23.8
<b>Street Side</b>	Lumens	2671.6	75.2	2746.8
	% Fixture	74.1	2.1	76.2
<b>Total</b>	Lumens	3475.5	129.5	3605.0
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.8	0.2
10°-20°	37.0	1.0
20°-30°	106.8	3.0
30°-40°	242.3	6.7
40°-50°	421.0	11.7
50°-60°	674.6	18.7
60°-70°	940.0	26.1
70°-80°	742.5	20.6
80°-90°	302.4	8.4
90°-100°	86.3	2.4
100°-110°	25.7	0.7
110°-120°	9.9	0.3
120°-130°	4.8	0.1
130°-140°	2.2	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3475.5	96.4
0°-180°	3605.0	100.0



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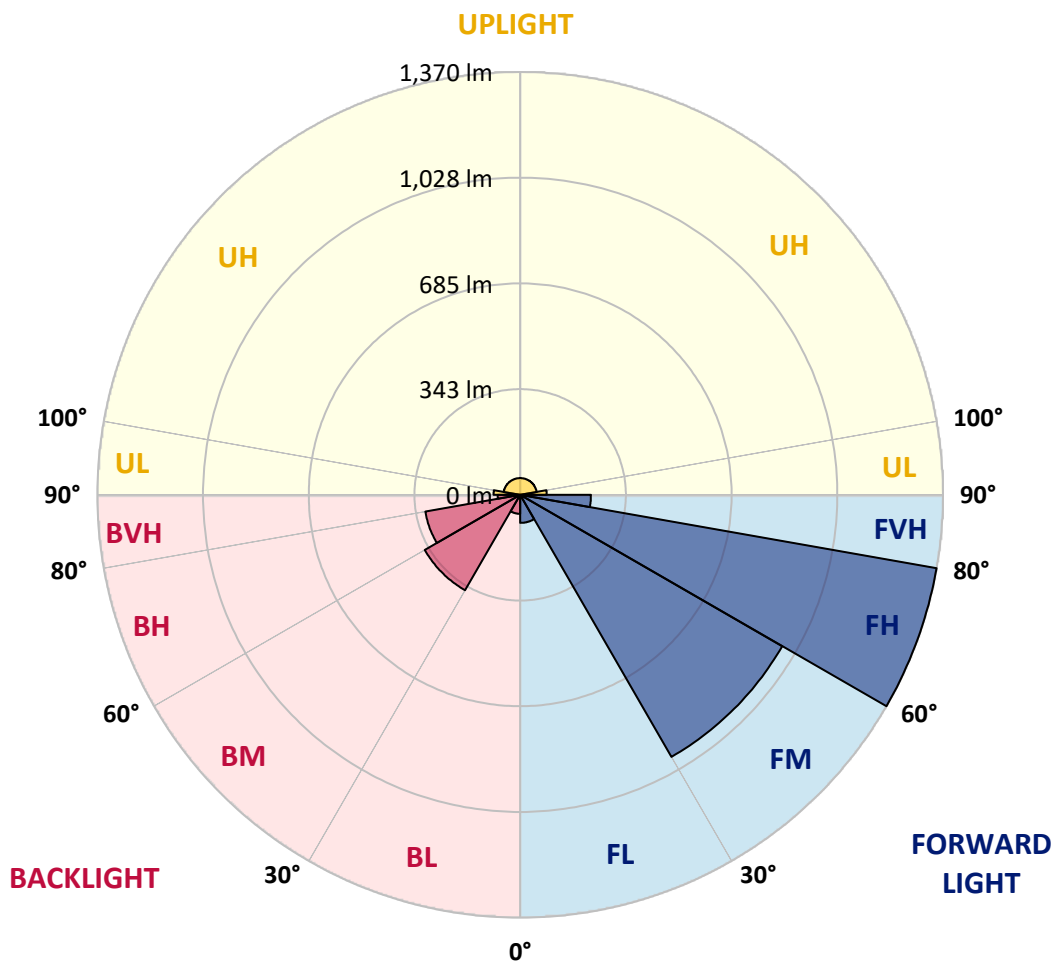
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.0	2.5			
FM	(30°-60°)	980.8	27.2			
FH	(60°-80°)	1370.4	38.0			G1/1800
FVH	(80°-90°)	229.4	6.4			G3/500
BL	(0°-30°)	61.6	1.7	B0/110		
BM	(30°-60°)	357.2	9.9	B1/1000		
BH	(60°-80°)	312.1	8.7	B1/500		G1/500
BVH	(80°-90°)	73.0	2.0			G1/100
UL	(90°-100°)	86.3	2.4		U3/500	
UH	(100°-180°)	54.3	1.5		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°	75°	79°	85°
0°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	92.3	92.3	92.9	92.9	92.9	91.9	90.5	89.3	88.5	88.0	87.1
5°	99.4	99.0	99.4	99.0	99.0	97.1	95.0	92.9	91.1	90.2	88.9
7.5°	109.4	109.4	109.0	108.1	107.2	104.2	100.7	98.1	95.4	93.8	92.3
10°	122.0	122.4	121.6	119.4	117.1	113.2	109.4	105.9	102.0	99.8	98.1
12.5°	141.7	141.7	139.9	135.0	129.8	125.0	120.7	117.1	115.5	113.2	111.6
15°	166.0	165.6	163.0	155.5	148.6	140.3	137.4	135.0	133.8	132.1	129.8
17.5°	194.8	194.4	189.5	179.5	168.6	162.6	157.7	155.5	156.5	154.7	152.9
20°	229.2	228.3	221.0	207.0	196.1	187.8	182.5	180.4	183.1	181.6	180.4
22.5°	273.3	271.1	260.6	240.6	227.9	214.3	209.7	208.8	214.9	214.9	214.9
25°	325.5	323.3	307.6	284.6	262.3	245.7	240.9	245.7	255.7	257.1	259.7
27.5°	386.1	383.4	364.4	332.1	302.4	280.2	276.3	285.8	301.6	307.6	310.3
30°	457.5	455.8	428.3	387.3	345.6	317.7	313.2	330.8	355.1	364.7	371.3
32.5°	542.0	539.9	500.3	451.8	393.5	358.7	355.1	381.7	418.3	427.5	440.6
35°	646.7	644.4	592.3	524.6	447.0	402.3	402.3	436.7	481.5	494.2	510.2
37.5°	751.7	751.3	698.5	608.3	506.4	450.1	450.9	490.7	544.7	564.3	579.0
40°	854.1	854.9	794.8	691.5	572.6	502.8	502.4	542.5	598.7	615.7	630.2
42.5°	947.4	947.0	890.2	780.0	641.4	560.0	552.1	591.4	651.0	674.1	693.3
45°	1012.3	1017.1	973.5	859.8	710.6	619.2	603.1	646.7	723.0	754.8	780.4
47.5°	1092.9	1093.2	1053.3	934.6	781.7	680.6	665.9	720.7	817.5	850.5	877.6
50°	1181.8	1186.1	1154.3	1028.7	862.0	749.9	744.2	813.5	928.6	975.2	1008.7
52.5°	1257.5	1262.7	1243.3	1136.4	958.6	838.8	838.8	926.8	1050.2	1106.0	1138.6
55°	1313.3	1322.0	1326.8	1239.8	1068.1	943.0	952.6	1051.5	1188.3	1255.0	1294.6
57.5°	1357.8	1370.0	1392.7	1331.6	1175.7	1068.1	1082.0	1187.9	1354.4	1416.6	1458.5
60°	1423.6	1437.6	1478.5	1430.1	1299.4	1202.7	1221.4	1336.9	1506.8	1563.1	1594.9
62.5°	1430.1	1447.1	1530.0	1536.9	1415.3	1334.3	1375.7	1489.0	1651.1	1700.0	1706.9
65°	1400.1	1422.2	1532.1	1595.7	1538.6	1457.6	1516.0	1620.2	1754.4	1786.5	1768.8
67°	1352.2	1373.5	1508.6	1604.5	1594.4	1540.0	1594.4	1680.3	1787.8	1809.2	1751.8
67.5°	1331.6	1352.2	1495.5	1602.7	1601.4	1554.3	1607.1	1693.3	1789.7	1804.1	1739.1
70°	1200.6	1228.8	1382.2	1546.9	1598.4	1567.5	1629.3	1689.1	1712.4	1707.3	1614.1
72.5°	970.0	996.6	1163.9	1394.3	1512.0	1496.3	1551.4	1562.2	1520.8	1485.1	1357.8
75°	711.5	723.3	877.6	1125.5	1318.6	1336.5	1377.9	1353.4	1277.6	1230.0	1100.8
77.5°	494.2	505.9	624.4	852.3	1063.2	1129.9	1170.9	1135.2	1055.4	982.7	841.4
80°	327.3	333.4	426.2	621.0	834.0	926.8	962.2	925.6	824.5	753.0	619.2
82.5°	199.6	211.3	278.5	435.3	645.0	759.1	784.8	742.4	633.1	559.0	446.2
85°	119.8	125.9	178.3	294.1	474.6	602.3	626.6	571.7	461.0	394.4	299.0
87.5°	74.1	76.6	112.0	190.4	332.9	449.7	475.8	411.0	311.2	262.8	200.1
90°	47.9	50.1	73.7	125.6	220.1	320.2	332.1	279.7	207.0	175.2	135.6
92.5°	32.2	34.0	50.1	83.3	144.6	210.1	218.7	184.7	136.8	116.8	92.3
95°	22.6	24.0	35.4	56.7	94.1	129.4	138.6	119.8	89.3	77.2	63.6
97.5°	17.4	18.2	26.6	41.0	63.6	83.6	87.1	78.1	60.5	53.2	46.3
100°	14.0	14.8	20.9	30.9	45.8	57.1	59.3	53.5	42.7	38.4	34.0
102.5°	12.1	12.1	17.0	24.4	34.5	42.3	42.7	38.4	31.4	28.3	26.1
105°	10.5	10.5	14.0	19.7	27.5	32.7	32.7	28.3	23.0	20.9	20.0
107.5°	8.8	9.2	11.8	15.7	21.7	26.1	25.3	20.9	16.6	15.2	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	7.4	7.8	10.1	13.0	17.8	21.4	20.0	16.1	12.1	11.3	11.3
112.5°	6.6	6.9	8.3	11.3	15.2	17.8	16.1	12.1	9.2	8.8	9.2
115°	6.1	6.1	7.4	10.1	13.0	14.8	13.6	10.1	7.4	6.9	7.4
117.5°	5.2	5.7	6.6	8.8	11.8	12.7	11.3	7.8	5.7	5.7	6.6
120°	5.2	5.2	6.1	7.8	10.5	11.3	9.6	6.6	4.9	4.9	5.7
122.5°	4.9	4.9	5.7	7.4	9.2	10.1	8.3	5.7	4.3	4.3	4.9
125°	4.9	4.9	5.7	6.9	8.3	8.3	6.9	4.9	4.0	4.0	4.3
127.5°	5.2	5.2	5.7	6.6	7.4	7.4	6.1	4.3	3.6	3.6	4.0
130°	5.2	5.2	5.2	6.1	6.6	6.1	5.2	4.0	3.6	3.6	4.0
132.5°	5.2	5.2	5.2	5.2	5.7	5.2	4.3	3.1	3.1	3.1	3.6
135°	4.9	4.9	4.3	4.9	4.9	4.0	3.1	2.2	2.6	2.6	3.1
137.5°	4.0	4.0	4.0	4.0	3.6	3.1	2.2	1.7	2.2	2.6	2.6
140°	3.6	3.6	3.1	3.1	2.6	2.2	1.3	1.7	2.2	2.2	2.2
142.5°	2.6	2.6	2.6	2.2	1.7	1.3	0.9	1.3	1.7	1.7	2.2
145°	1.7	1.7	1.7	1.3	0.9	0.4	0.9	0.9	1.3	1.7	1.7
147.5°	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.9	1.3	1.3	1.3
150°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	86.7	86.2	85.0	84.1	83.3	82.9	82.4	82.4	81.9	81.4	81.4
5°	88.0	87.1	85.0	83.3	81.9	81.0	80.2	79.7	79.0	78.4	78.4
7.5°	90.5	89.3	86.7	83.6	81.4	80.2	79.3	78.4	77.6	77.6	77.6
10°	95.8	94.1	90.2	86.2	82.9	81.0	80.2	79.3	79.3	79.0	79.0
12.5°	109.0	106.3	99.8	92.9	86.7	84.1	83.3	85.3	88.0	88.5	89.8
15°	126.8	124.1	115.9	105.9	95.8	90.2	93.2	97.1	101.5	105.0	105.0
17.5°	148.9	146.0	134.7	120.7	108.5	105.0	105.9	111.6	117.7	120.7	121.1
20°	176.4	172.1	156.5	137.4	123.7	118.5	119.8	125.6	134.1	138.6	139.4
22.5°	210.9	204.4	183.4	156.5	139.9	132.9	134.1	141.2	152.9	159.1	161.2
25°	254.5	246.1	214.3	179.5	155.9	145.5	149.5	160.3	175.2	184.3	184.0
27.5°	304.5	291.5	251.9	203.5	172.1	157.7	163.9	179.1	197.0	207.4	208.8
30°	364.7	347.7	292.8	228.8	186.0	168.6	176.4	195.7	215.8	229.6	231.0
32.5°	431.4	411.3	334.7	254.0	197.4	177.0	185.6	209.7	232.8	249.3	249.6
35°	499.7	474.0	374.4	275.8	207.0	183.4	192.5	220.1	247.0	266.3	267.5
37.5°	565.2	535.1	411.0	290.2	213.1	186.9	196.5	228.8	259.3	279.7	281.1
40°	614.4	577.4	433.6	295.1	214.3	188.6	200.1	232.2	259.3	274.9	275.8
42.5°	676.3	627.5	450.1	290.2	210.9	188.6	201.3	227.9	248.8	259.3	259.3
45°	759.1	698.9	475.5	284.6	203.9	187.3	197.8	218.3	232.2	237.5	237.5
47.5°	858.1	779.5	501.2	280.6	198.7	184.3	192.5	206.5	213.9	214.3	213.4
50°	983.0	881.5	533.0	274.9	195.7	181.3	187.8	197.0	201.3	199.6	198.7
52.5°	1102.5	972.1	555.6	268.0	193.9	180.0	185.2	193.0	194.4	189.2	187.8
55°	1245.0	1078.4	571.3	256.6	192.1	180.9	185.2	191.7	190.9	184.0	182.5
57.5°	1387.1	1178.2	585.2	246.7	190.4	182.1	186.9	192.5	190.9	184.3	183.1
60°	1495.9	1246.7	577.4	236.2	188.6	184.3	190.0	195.7	195.7	190.4	190.0
62.5°	1581.3	1287.7	558.7	225.2	187.3	186.0	193.9	202.2	203.9	200.1	199.6
65°	1600.5	1271.1	522.5	214.9	185.6	187.3	199.2	209.7	210.9	207.0	206.5
67°	1555.7	1214.5	478.0	206.2	183.1	187.8	202.6	213.9	215.8	211.8	210.5
67.5°	1536.0	1192.2	466.7	203.9	182.1	187.8	203.0	214.3	216.6	212.7	211.3
70°	1385.6	1060.2	406.2	191.7	176.4	185.6	203.9	217.4	218.7	213.9	212.2
72.5°	1148.3	854.9	336.0	180.0	169.5	180.0	201.0	215.2	214.9	207.9	206.5
75°	910.3	670.1	270.6	166.5	159.9	171.2	192.5	205.3	202.6	194.4	192.5
77.5°	691.5	501.2	220.1	152.9	148.9	159.9	178.7	187.8	182.5	174.7	173.1
80°	492.8	360.8	179.1	140.3	137.4	146.9	161.2	166.0	162.6	155.1	152.9
82.5°	344.7	259.3	148.9	127.6	125.9	133.4	142.6	147.3	145.5	139.0	137.4
85°	238.4	181.3	125.6	115.1	114.2	119.4	125.0	128.1	129.4	125.9	123.7
87.5°	160.3	133.4	106.8	101.1	101.5	105.5	109.4	112.4	116.3	115.9	113.7
90°	114.7	99.8	89.3	86.7	87.6	91.9	93.8	95.4	100.3	100.3	99.0
92.5°	81.9	75.8	72.4	71.4	73.2	76.6	77.6	78.1	81.4	81.9	79.3
95°	58.4	55.3	56.7	57.5	59.3	62.3	61.9	60.5	62.3	62.3	60.1
97.5°	43.2	42.3	44.8	45.8	47.0	49.6	48.4	46.3	47.5	45.8	44.5
100°	33.1	33.1	36.2	36.7	37.5	38.7	38.4	36.7	37.0	34.9	34.0
102.5°	26.1	26.6	28.7	29.1	30.1	31.4	30.5	29.6	28.7	26.1	26.1
105°	20.5	20.9	22.6	23.0	24.0	25.3	24.9	23.5	22.2	20.0	20.0
107.5°	15.7	16.6	17.8	18.2	19.1	20.5	20.0	18.2	16.6	15.2	15.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.1	13.0	14.5	14.8	15.2	16.6	15.7	14.0	12.7	11.8	11.8
112.5°	10.1	10.5	11.8	12.1	12.7	13.6	12.7	10.9	9.6	9.2	9.2
115°	8.3	8.8	9.6	10.1	10.9	10.9	10.1	8.3	7.4	7.4	7.4
117.5°	6.9	7.4	8.3	8.8	8.8	9.2	7.8	6.6	5.7	6.1	6.1
120°	6.1	6.1	6.9	6.9	7.4	7.4	6.6	5.2	4.3	4.9	5.2
122.5°	5.2	5.2	5.7	6.1	6.1	6.1	5.2	4.3	3.6	4.0	4.3
125°	4.3	4.9	4.9	5.2	5.2	5.2	4.3	3.6	3.1	3.6	3.6
127.5°	4.3	4.3	4.3	4.3	4.3	4.3	3.6	2.6	2.6	3.1	3.1
130°	4.0	4.0	4.0	4.0	3.6	3.1	2.6	1.7	2.2	2.6	2.6
132.5°	3.6	3.6	3.6	3.1	2.6	2.2	1.7	1.3	1.3	2.2	2.2
135°	3.1	3.1	2.6	2.2	1.7	1.3	0.9	0.9	0.9	1.7	1.7
137.5°	2.6	2.6	2.2	1.7	1.3	0.9	0.4	0.0	0.4	0.9	0.9
140°	2.6	2.6	2.2	1.3	0.9	0.4	0.0	0.0	0.0	0.4	0.4
142.5°	2.2	2.2	1.7	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.7	1.7	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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)