

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: P695089

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T4W-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695089  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)  
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-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4129 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

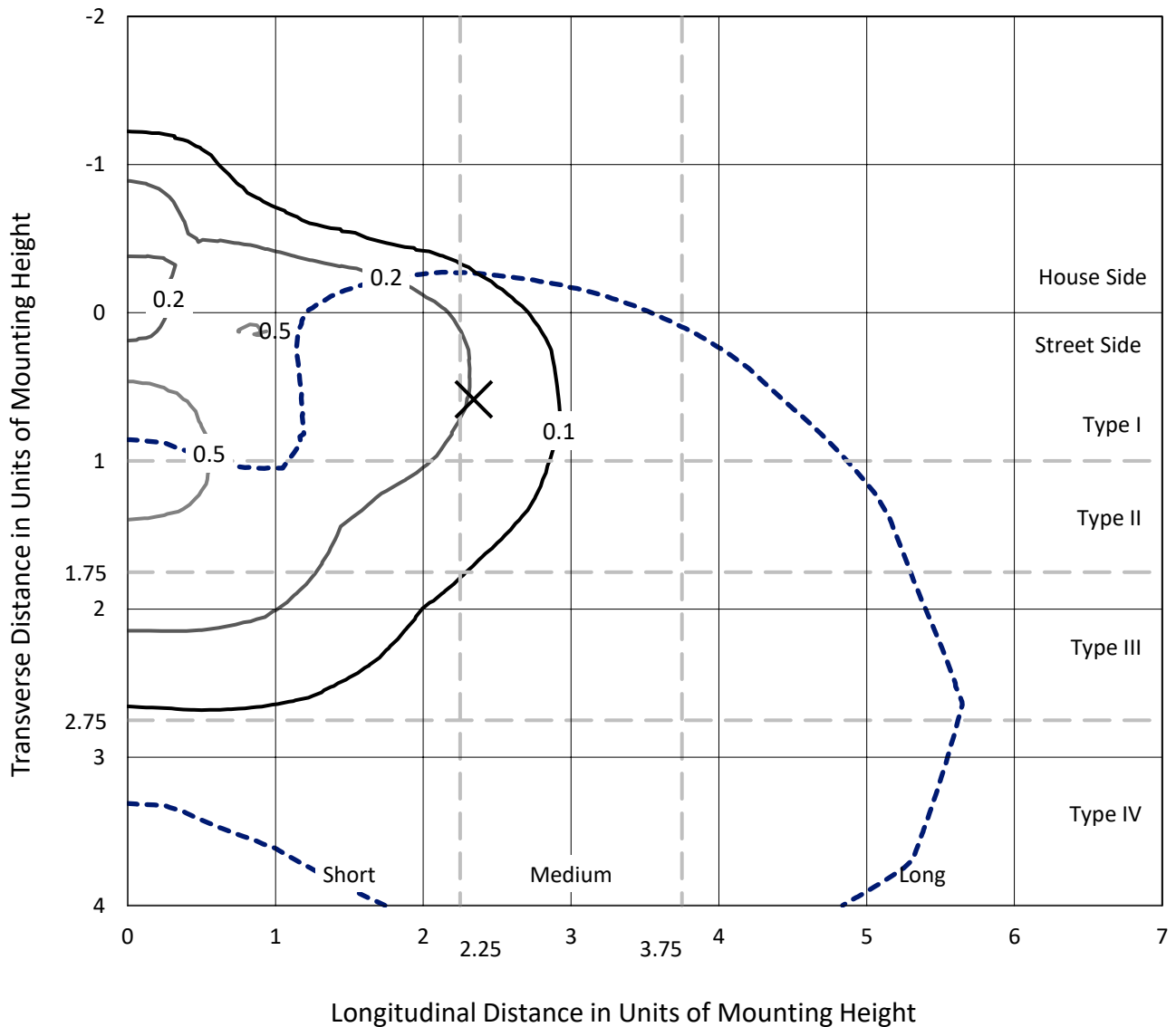
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

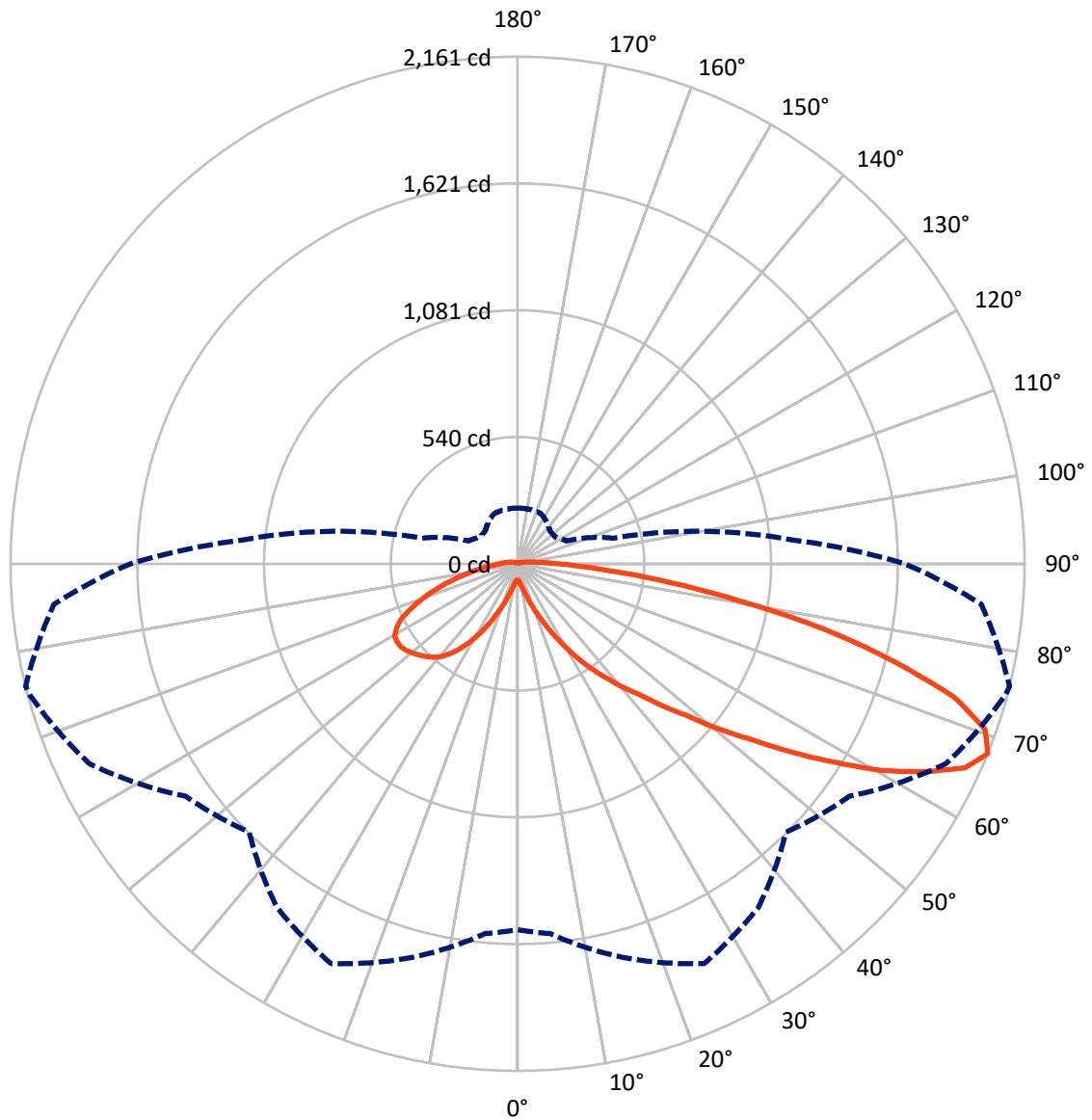
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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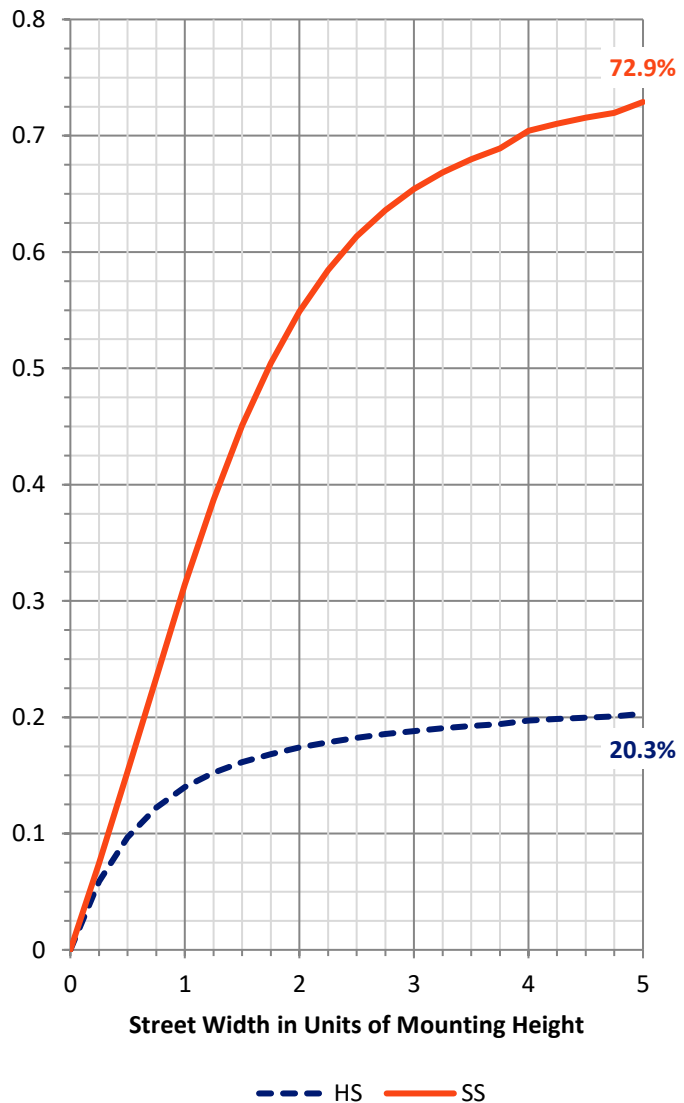
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	884.2	71.3	955.6
	% Fixture	21.4	1.7	23.1
<b>Street Side</b>	Lumens	3101.4	72.1	3173.5
	% Fixture	75.1	1.7	76.9
<b>Total</b>	Lumens	3985.6	143.4	4129.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.2
10°-20°	40.8	1.0
20°-30°	128.8	3.1
30°-40°	287.2	7.0
40°-50°	492.9	11.9
50°-60°	769.0	18.6
60°-70°	1052.9	25.5
70°-80°	882.4	21.4
80°-90°	323.8	7.8
90°-100°	81.5	2.0
100°-110°	31.0	0.8
110°-120°	14.8	0.4
120°-130°	8.4	0.2
130°-140°	4.9	0.1
140°-150°	2.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3985.6	96.5
0°-180°	4129.0	100.0

**Coefficient of Utilization**

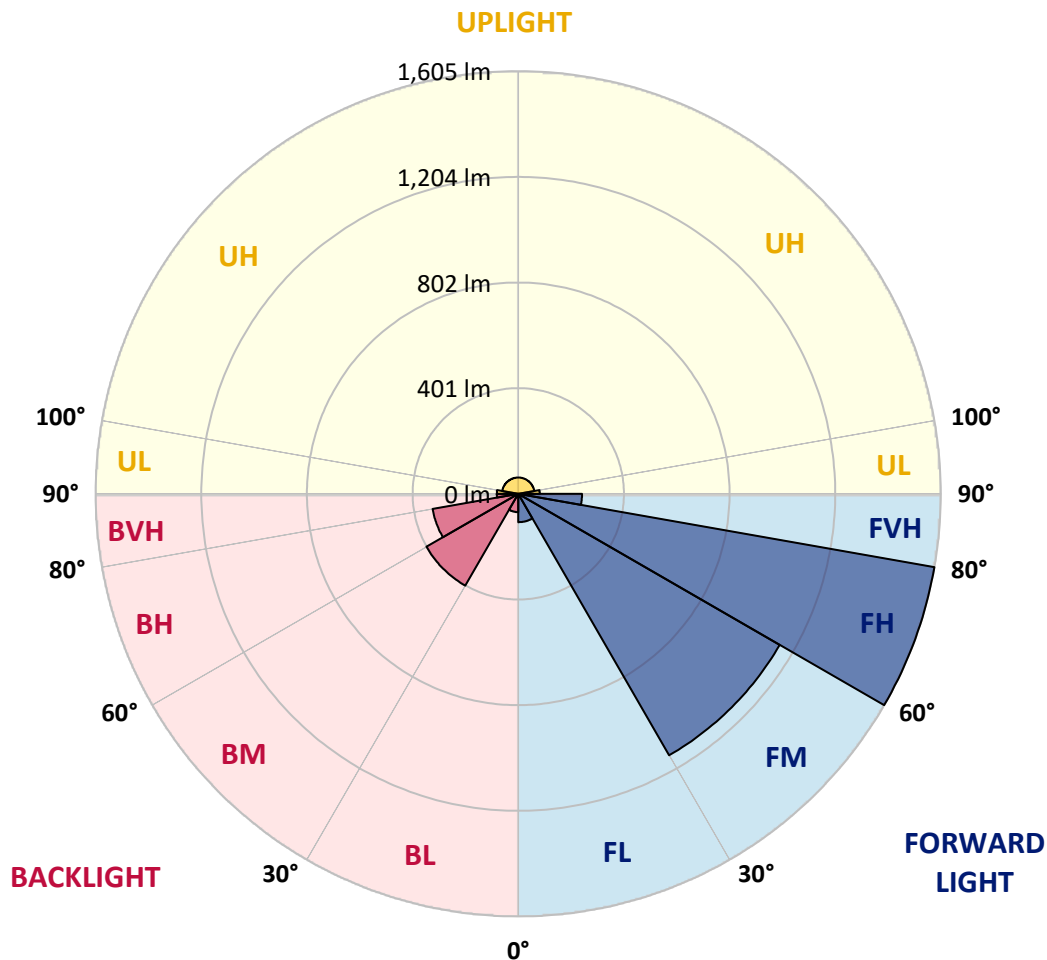


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.8	2.6			
FM (30°-60°)	1146.5	27.8			
FH (60°-80°)	1605.0	38.9			G1/1800
FVH (80°-90°)	242.1	5.9			G3/500
BL (0°-30°)	69.6	1.7	B0/110		
BM (30°-60°)	402.6	9.8	B1/1000		
BH (60°-80°)	330.3	8.0	B1/500		G1/500
BVH (80°-90°)	81.7	2.0			G1/100
UL (90°-100°)	81.5	2.0		U3/500	
UH (100°-180°)	61.9	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°	76°	85°
0°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	73.1	73.1	73.1	73.1	74.6	73.1	73.1	71.6	71.6	70.1	70.1
5°	83.6	83.6	83.6	83.6	83.6	82.1	80.6	79.1	77.6	76.1	76.1
7.5°	98.5	98.5	98.5	97.0	95.5	94.0	92.5	89.6	86.6	86.6	83.6
10°	119.4	119.4	119.4	117.9	113.4	110.4	107.5	103.0	101.5	100.0	97.0
12.5°	147.8	147.8	144.8	141.8	135.8	131.3	126.9	122.4	120.9	119.4	114.9
15°	183.6	182.1	179.1	170.1	164.2	156.7	152.2	147.8	143.3	143.3	141.8
17.5°	226.9	225.4	217.9	206.0	197.0	185.1	179.1	176.1	176.1	174.6	171.6
20°	279.1	279.1	268.7	250.7	232.8	217.9	213.4	211.9	211.9	213.4	209.0
22.5°	346.3	344.8	329.9	300.0	274.6	255.2	250.7	250.7	255.2	255.2	253.7
25°	420.9	419.4	392.5	359.7	319.4	298.5	288.1	295.5	306.0	307.5	309.0
27.5°	511.9	506.0	474.6	423.9	371.6	338.8	331.3	343.3	364.2	362.7	365.7
30°	606.0	603.0	559.7	497.0	426.9	382.1	376.1	398.5	422.4	423.9	431.3
32.5°	716.4	700.0	659.7	576.1	483.6	428.4	419.4	452.2	488.1	491.0	498.5
35°	826.9	825.4	759.7	661.2	543.3	471.6	464.2	503.0	553.7	555.2	565.7
37.5°	938.8	932.8	870.2	744.8	609.0	520.9	509.0	559.7	616.4	619.4	634.3
40°	1056.7	1049.3	982.1	834.3	677.6	574.6	561.2	620.9	686.6	692.5	710.4
42.5°	1159.7	1158.2	1094.0	932.8	744.8	626.9	617.9	682.1	759.7	762.7	789.6
45°	1273.1	1253.7	1194.0	1031.3	828.4	691.0	682.1	761.2	849.3	861.2	883.6
47.5°	1362.7	1353.7	1298.5	1138.8	913.4	761.2	752.2	846.3	953.7	964.2	983.6
50°	1453.7	1443.3	1394.0	1240.3	1006.0	843.3	841.8	953.7	1085.1	1101.5	1122.4
52.5°	1528.4	1522.4	1492.5	1349.3	1104.5	925.4	941.8	1080.6	1229.9	1241.8	1262.7
55°	1598.5	1594.0	1588.1	1470.2	1222.4	1034.3	1047.8	1222.4	1394.0	1416.4	1449.3
57.5°	1650.8	1658.2	1670.2	1588.1	1346.3	1143.3	1171.6	1395.5	1576.1	1597.0	1629.9
60°	1686.6	1698.5	1741.8	1706.0	1476.1	1264.2	1323.9	1555.2	1765.7	1789.6	1806.0
62.5°	1691.0	1710.5	1798.5	1806.0	1598.5	1391.0	1458.2	1725.4	1946.3	1950.8	1931.3
65°	1656.7	1671.6	1795.5	1867.2	1707.5	1514.9	1606.0	1900.0	2085.1	2095.5	2006.0
67.5°	1559.7	1582.1	1737.3	1880.6	1788.1	1617.9	1726.9	2014.9	2153.7	2161.2	1983.6
70°	1379.1	1419.4	1604.5	1803.0	1804.5	1674.6	1806.0	2064.2	2122.4	2113.4	1849.3
72.5°	1161.2	1171.6	1376.1	1641.8	1741.8	1673.1	1797.0	2004.5	1962.7	1946.3	1598.5
75°	849.3	877.6	1068.7	1392.5	1592.5	1574.6	1691.0	1826.9	1683.6	1653.7	1303.0
77.5°	574.6	604.5	755.2	1068.7	1340.3	1398.5	1497.0	1537.3	1355.2	1329.9	955.2
80°	361.2	382.1	488.1	746.3	1050.7	1141.8	1216.4	1191.0	983.6	959.7	679.1
82.5°	201.5	211.9	298.5	486.6	740.3	868.7	926.9	864.2	677.6	650.7	440.3
85°	106.0	119.4	168.7	295.5	494.0	617.9	664.2	571.6	416.4	407.5	274.6
87.5°	58.2	64.2	97.0	177.6	306.0	419.4	440.3	359.7	258.2	246.3	174.6
90°	35.8	38.8	56.7	106.0	189.6	262.7	276.1	225.4	161.2	158.2	116.4
92.5°	23.9	25.4	38.8	68.7	119.4	168.7	177.6	140.3	106.0	103.0	83.6
95°	17.9	19.4	29.9	49.3	82.1	114.9	113.4	95.5	71.6	70.1	61.2
97.5°	14.9	16.4	25.4	38.8	59.7	77.6	77.6	62.7	52.2	52.2	47.8
100°	13.4	13.4	20.9	31.3	44.8	56.7	56.7	46.3	38.8	38.8	35.8
102.5°	11.9	11.9	17.9	26.9	35.8	44.8	43.3	35.8	29.9	29.9	28.4
105°	10.4	10.4	16.4	22.4	29.9	35.8	34.3	28.4	23.9	22.4	20.9
107.5°	9.0	9.0	13.4	19.4	26.9	29.9	28.4	23.9	17.9	17.9	16.4
110°	9.0	9.0	11.9	17.9	22.4	25.4	23.9	19.4	14.9	14.9	13.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	7.5	7.5	10.4	14.9	19.4	22.4	20.9	16.4	11.9	11.9	11.9
115°	7.5	7.5	9.0	13.4	16.4	19.4	17.9	13.4	10.4	10.4	10.4
117.5°	7.5	7.5	9.0	11.9	14.9	16.4	14.9	11.9	9.0	9.0	9.0
120°	6.0	6.0	7.5	10.4	13.4	14.9	13.4	10.4	7.5	7.5	9.0
122.5°	6.0	6.0	7.5	9.0	11.9	13.4	11.9	9.0	7.5	7.5	7.5
125°	6.0	6.0	7.5	9.0	10.4	11.9	10.4	7.5	7.5	7.5	7.5
127.5°	6.0	6.0	6.0	7.5	9.0	10.4	9.0	7.5	6.0	6.0	7.5
130°	6.0	6.0	6.0	7.5	9.0	9.0	7.5	6.0	6.0	6.0	7.5
132.5°	6.0	6.0	6.0	6.0	7.5	7.5	7.5	6.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	7.5	7.5	6.0	6.0	6.0	6.0	6.0
137.5°	6.0	4.5	4.5	6.0	6.0	6.0	6.0	4.5	4.5	4.5	6.0
140°	4.5	4.5	4.5	4.5	6.0	6.0	4.5	4.5	4.5	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
145°	4.5	4.5	4.5	3.0	4.5	4.5	3.0	3.0	3.0	4.5	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	70.1	68.7	68.7	68.7	68.7	67.2	67.2	67.2	67.2	65.7	67.2
5°	74.6	74.6	73.1	70.1	70.1	68.7	68.7	67.2	67.2	65.7	65.7
7.5°	83.6	82.1	79.1	77.6	74.6	73.1	71.6	70.1	70.1	68.7	68.7
10°	95.5	94.0	89.6	86.6	83.6	80.6	79.1	77.6	76.1	74.6	74.6
12.5°	113.4	110.4	106.0	98.5	95.5	91.0	88.1	86.6	86.6	86.6	85.1
15°	138.8	134.3	126.9	117.9	109.0	103.0	101.5	101.5	101.5	103.0	103.0
17.5°	168.7	162.7	153.7	138.8	126.9	119.4	117.9	117.9	119.4	122.4	122.4
20°	206.0	198.5	185.1	165.7	147.8	137.3	134.3	137.3	143.3	144.8	144.8
22.5°	249.3	243.3	220.9	192.5	170.1	156.7	153.7	156.7	164.2	170.1	171.6
25°	301.5	292.5	261.2	223.9	192.5	176.1	171.6	179.1	189.6	198.5	198.5
27.5°	359.7	349.3	306.0	256.7	214.9	192.5	188.1	198.5	216.4	226.9	228.4
30°	422.4	406.0	349.3	288.1	234.3	207.5	204.5	219.4	240.3	253.7	255.2
32.5°	491.0	464.2	394.0	316.4	252.2	217.9	216.4	235.8	261.2	277.6	279.1
35°	555.2	525.4	434.3	337.3	264.2	225.4	225.4	247.8	277.6	294.0	295.5
37.5°	617.9	579.1	468.7	353.7	270.2	228.4	229.9	256.7	286.6	303.0	304.5
40°	686.6	637.3	498.5	361.2	271.6	229.9	232.8	261.2	288.1	304.5	304.5
42.5°	758.2	698.5	517.9	361.2	268.7	228.4	231.3	259.7	285.1	297.0	298.5
45°	841.8	764.2	531.3	355.2	262.7	223.9	228.4	256.7	276.1	282.1	283.6
47.5°	937.3	832.8	541.8	346.3	255.2	219.4	225.4	249.3	265.7	265.7	265.7
50°	1058.2	910.5	550.7	331.3	246.3	214.9	220.9	243.3	252.2	249.3	249.3
52.5°	1189.6	995.5	556.7	316.4	237.3	209.0	216.4	237.3	241.8	234.3	234.3
55°	1335.8	1095.5	556.7	301.5	228.4	204.5	213.4	231.3	232.8	225.4	222.4
57.5°	1476.1	1174.6	549.3	285.1	219.4	200.0	210.4	228.4	228.4	220.9	219.4
60°	1601.5	1247.8	537.3	270.2	213.4	197.0	210.4	226.9	226.9	220.9	220.9
62.5°	1691.0	1271.6	507.5	256.7	207.5	197.0	211.9	228.4	229.9	226.9	225.4
65°	1713.4	1259.7	473.1	241.8	201.5	195.5	214.9	232.8	234.3	232.8	232.8
67.5°	1650.8	1171.6	420.9	229.9	197.0	195.5	216.4	235.8	237.3	237.3	237.3
70°	1488.1	1040.3	373.1	216.4	192.5	194.0	219.4	238.8	238.8	238.8	238.8
72.5°	1258.2	873.1	323.9	204.5	185.1	191.0	219.4	237.3	237.3	235.8	235.8
75°	994.0	691.0	277.6	192.5	176.1	185.1	216.4	232.8	231.3	229.9	228.4
77.5°	735.8	513.4	232.8	176.1	165.7	177.6	207.5	222.4	220.9	219.4	216.4
80°	507.5	358.2	194.0	159.7	152.2	165.7	194.0	207.5	206.0	203.0	203.0
82.5°	329.9	246.3	156.7	140.3	137.3	152.2	179.1	189.6	186.6	183.6	182.1
85°	213.4	167.2	125.4	119.4	122.4	135.8	156.7	165.7	164.2	161.2	158.2
87.5°	140.3	119.4	98.5	98.5	104.5	119.4	134.3	138.8	137.3	137.3	134.3
90°	98.5	89.6	80.6	82.1	89.6	103.0	110.4	111.9	110.4	111.9	109.0
92.5°	73.1	68.7	65.7	68.7	76.1	86.6	91.0	88.1	89.6	89.6	88.1
95°	56.7	55.2	55.2	58.2	65.7	73.1	74.6	70.1	73.1	73.1	71.6
97.5°	44.8	44.8	46.3	49.3	55.2	61.2	61.2	58.2	59.7	59.7	59.7
100°	35.8	35.8	38.8	41.8	47.8	52.2	50.7	47.8	49.3	47.8	46.3
102.5°	28.4	29.9	32.8	35.8	40.3	43.3	43.3	40.3	40.3	38.8	38.8
105°	22.4	23.9	26.9	31.3	34.3	37.3	37.3	34.3	31.3	29.9	29.9
107.5°	17.9	19.4	22.4	25.4	29.9	31.3	31.3	28.4	25.4	22.4	22.4
110°	14.9	16.4	19.4	22.4	25.4	26.9	26.9	23.9	20.9	17.9	17.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.4	13.4	16.4	19.4	20.9	22.4	22.4	20.9	16.4	14.9	14.9
115°	10.4	11.9	13.4	16.4	17.9	19.4	19.4	16.4	13.4	11.9	11.9
117.5°	10.4	10.4	11.9	14.9	16.4	17.9	16.4	14.9	11.9	10.4	10.4
120°	9.0	10.4	11.9	11.9	14.9	14.9	14.9	11.9	10.4	10.4	10.4
122.5°	9.0	9.0	10.4	11.9	11.9	13.4	13.4	10.4	9.0	9.0	9.0
125°	7.5	9.0	9.0	10.4	11.9	11.9	11.9	9.0	9.0	9.0	9.0
127.5°	7.5	7.5	9.0	9.0	10.4	10.4	10.4	9.0	7.5	7.5	7.5
130°	7.5	7.5	7.5	7.5	9.0	9.0	9.0	7.5	7.5	7.5	7.5
132.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.0	7.5	7.5
135°	6.0	6.0	6.0	6.0	7.5	7.5	6.0	6.0	6.0	6.0	6.0
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
140°	6.0	6.0	6.0	4.5	6.0	6.0	4.5	4.5	4.5	6.0	6.0
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
145°	4.5	4.5	4.5	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	3.0
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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

(END OF REPORT)