

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: P695052

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-727-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3925.9 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G1

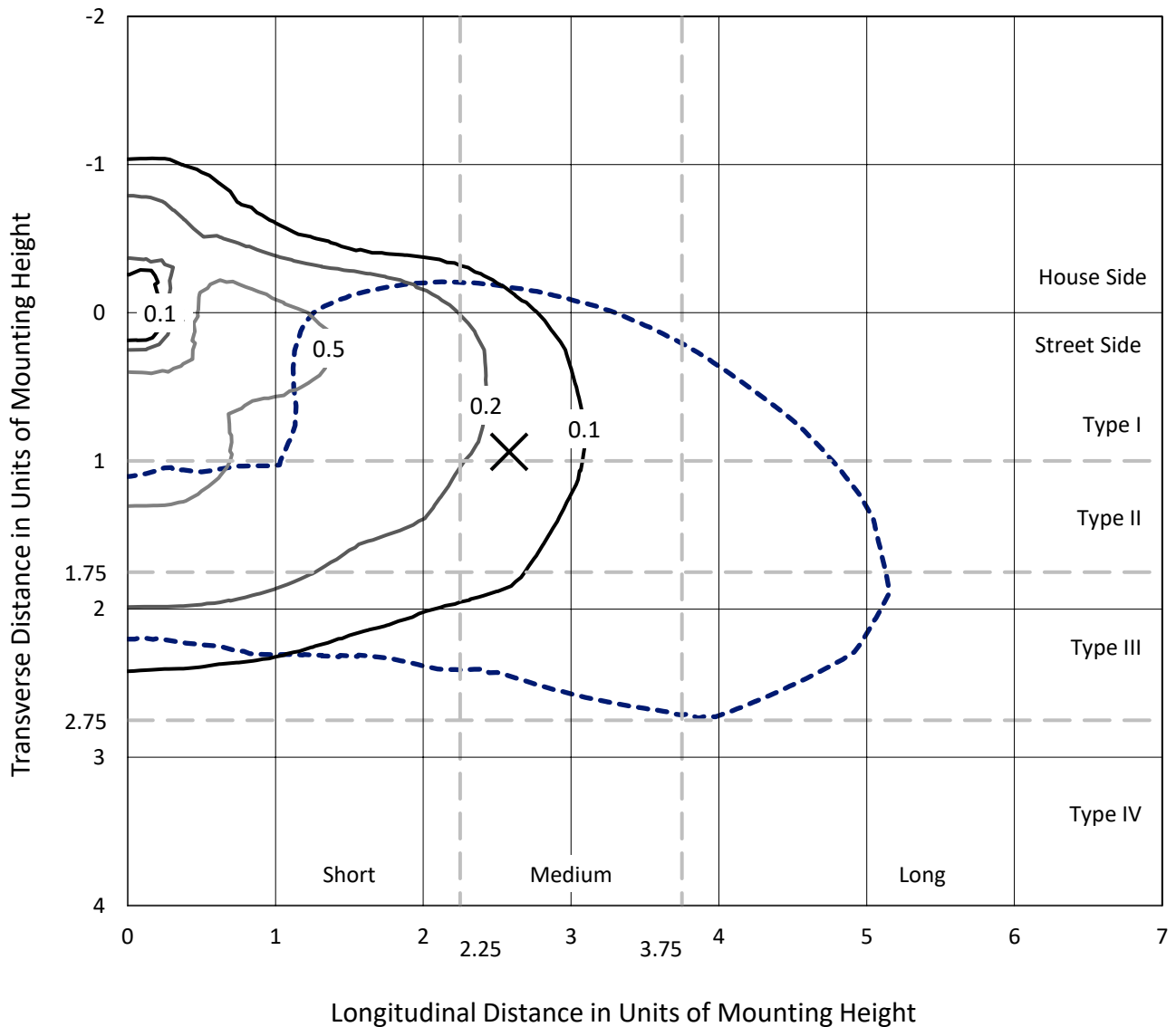
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

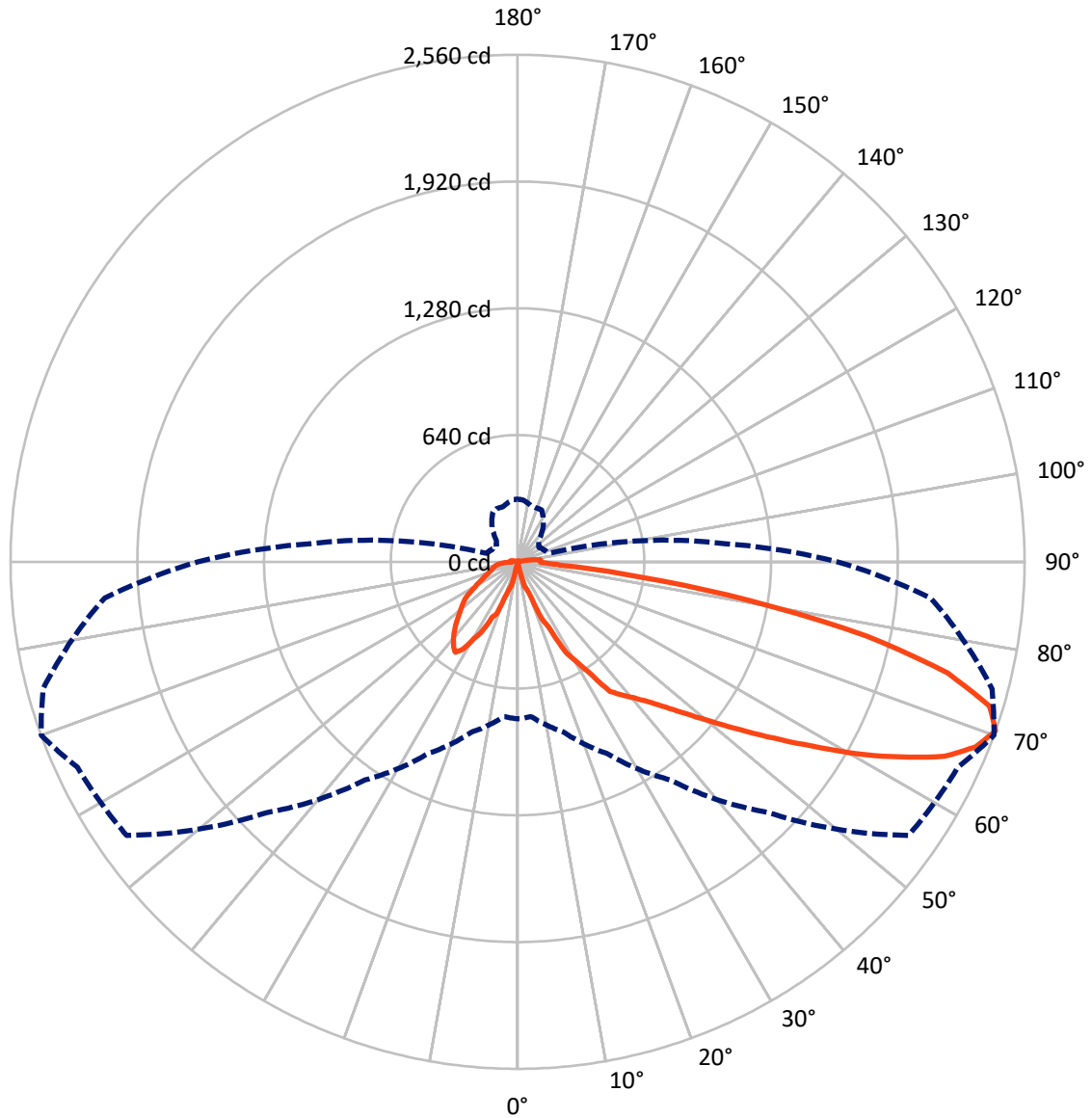
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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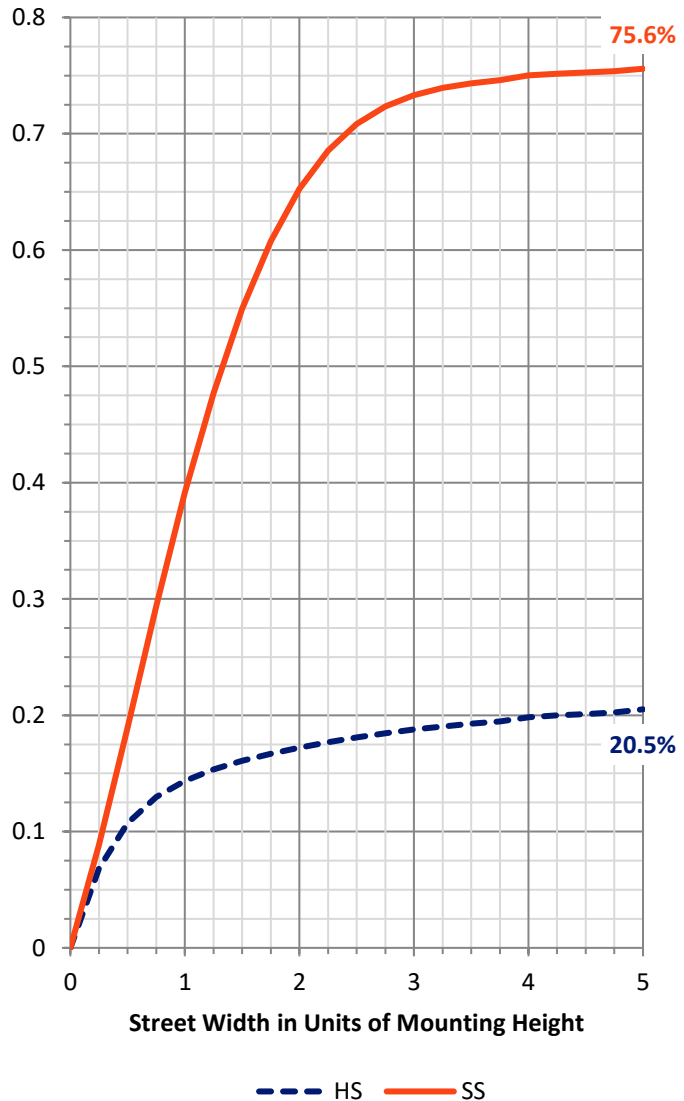
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	854.3	42.3	896.6
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	2992.1	37.2	3029.3
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	3846.4	79.5	3925.9
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	28.0	0.7
20°-30°	160.4	4.1
30°-40°	370.3	9.4
40°-50°	542.4	13.8
50°-60°	802.3	20.4
60°-70°	1052.2	26.8
70°-80°	714.6	18.2
80°-90°	175.8	4.5
90°-100°	57.7	1.5
100°-110°	10.3	0.3
110°-120°	4.1	0.1
120°-130°	3.2	0.1
130°-140°	2.3	0.1
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3846.4	98.0
0°-180°	3925.9	100.0

**Coefficient of Utilization**

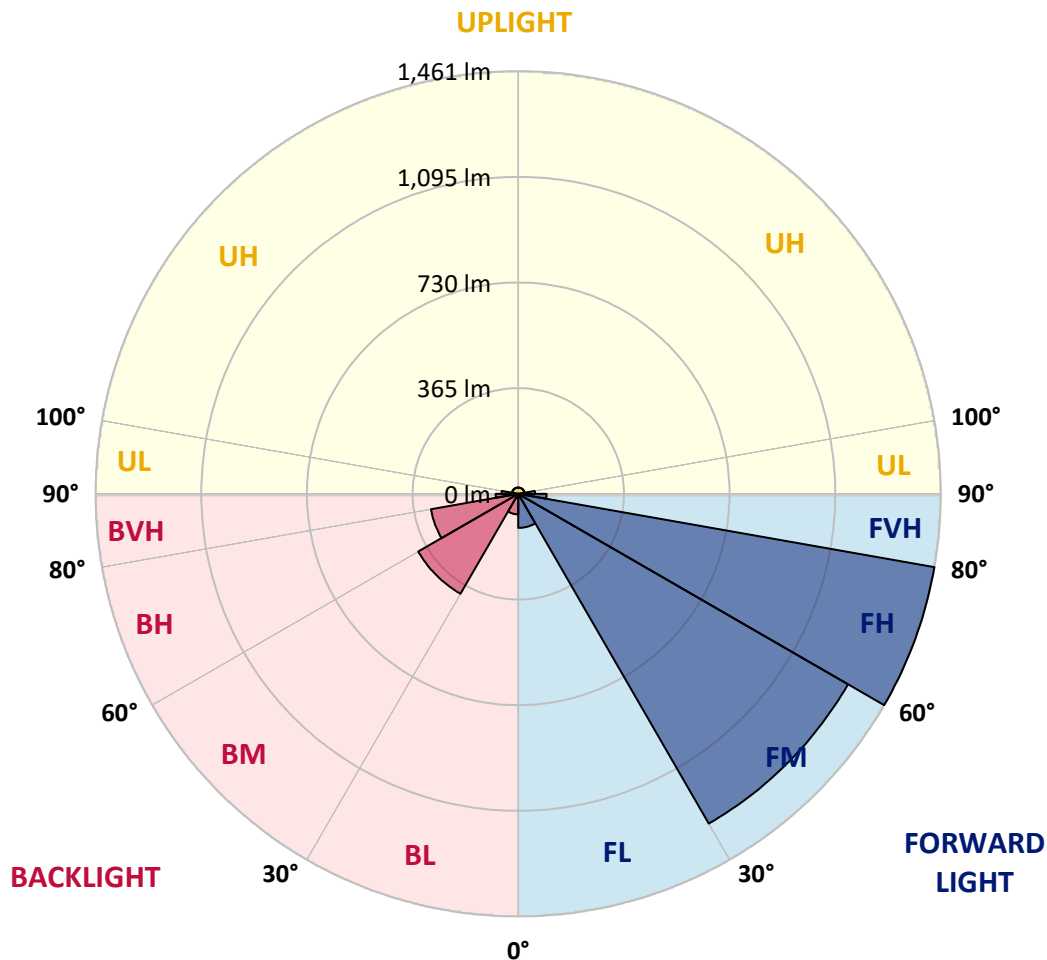


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.9	3.0			
FM (30°-60°)	1316.0	33.5			
FH (60°-80°)	1460.5	37.2			G1/1800
FVH (80°-90°)	97.7	2.5			G1/100
BL (0°-30°)	70.9	1.8	B0/110		
BM (30°-60°)	399.0	10.2	B1/1000		
BH (60°-80°)	306.3	7.8	B1/500		G1/500
BVH (80°-90°)	78.1	2.0			G1/100
UL (90°-100°)	57.7	1.5		U3/500	
UH (100°-180°)	21.7	0.6		U2/50	

**BUG Rating: B1-U3-G1**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
5°	2.7	2.7	2.7	2.7	4.1	4.1	2.7	2.7	2.7	2.7	2.7
7.5°	4.1	2.7	2.7	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7
10°	23.4	24.7	16.5	9.6	6.9	4.1	4.1	4.1	4.1	4.1	4.1
12.5°	126.4	125.0	122.3	85.2	30.2	9.6	6.9	12.4	15.1	19.2	27.5
15°	142.9	144.3	140.1	138.8	130.5	49.5	26.1	115.4	126.4	127.8	127.8
17.5°	199.2	197.8	178.6	156.6	147.0	152.5	122.3	137.4	142.9	145.6	147.0
20°	335.2	333.9	329.7	281.7	181.4	222.6	215.7	163.5	173.1	222.6	283.0
22.5°	373.7	371.0	365.5	351.7	364.1	254.2	247.3	287.2	311.9	327.0	325.6
25°	572.9	578.4	476.8	395.7	402.6	347.6	373.7	371.0	364.1	366.8	371.0
27.5°	637.5	632.0	623.8	583.9	447.9	472.6	425.9	474.0	518.0	542.7	535.8
30°	817.5	816.1	718.6	649.9	588.1	512.5	530.3	597.7	582.6	586.7	564.7
32.5°	954.9	953.5	939.8	802.4	666.4	579.8	629.3	632.0	670.5	746.1	752.9
35°	1008.5	1003.0	993.4	893.1	758.4	682.9	665.0	781.8	803.8	806.5	787.3
37.5°	1063.4	1056.6	1048.3	937.0	849.1	724.1	762.5	851.8	851.8	869.7	821.6
40°	1095.0	1095.0	1093.7	974.1	890.3	761.2	810.6	905.4	902.7	915.1	869.7
42.5°	1134.9	1130.8	1145.9	1012.6	932.9	799.6	857.3	956.3	964.5	996.1	934.3
45°	1191.2	1196.7	1203.6	1095.0	990.6	856.0	912.3	1036.0	1044.2	1086.8	1027.7
47.5°	1253.0	1259.9	1284.6	1181.6	1084.0	927.4	959.0	1126.6	1145.9	1198.1	1145.9
50°	1330.0	1331.4	1367.1	1268.2	1203.6	1029.1	1044.2	1214.6	1265.4	1312.1	1280.5
52.5°	1384.9	1390.4	1434.4	1379.4	1313.5	1151.4	1167.9	1328.6	1408.3	1466.0	1426.2
55°	1433.0	1437.2	1478.4	1464.6	1405.6	1244.8	1328.6	1482.5	1571.8	1621.3	1604.8
57.5°	1450.9	1455.0	1516.8	1527.8	1499.0	1363.0	1497.6	1635.0	1754.5	1809.5	1782.0
60°	1438.5	1438.5	1514.1	1573.2	1602.0	1493.5	1676.2	1806.7	1968.9	2006.0	2015.6
62.5°	1397.3	1408.3	1500.4	1592.4	1676.2	1621.3	1857.6	2019.7	2169.5	2203.8	2181.8
65°	1306.6	1309.4	1406.9	1551.2	1684.5	1760.0	2089.8	2199.7	2368.7	2356.3	2262.9
67.5°	1134.9	1115.6	1200.8	1404.2	1593.8	1831.5	2283.5	2352.2	2493.7	2452.5	2242.3
70°	792.8	784.5	888.9	1067.6	1343.7	1790.3	2408.5	2452.5	2559.7	2480.0	2092.5
72.5°	376.5	406.7	458.9	611.4	931.5	1511.3	2374.2	2442.9	2491.0	2400.3	1817.7
75°	164.9	169.0	196.5	277.5	479.5	954.9	2077.4	2194.2	2242.3	2139.2	1431.7
77.5°	118.2	118.2	130.5	151.1	218.5	456.2	1415.2	1738.0	1799.9	1699.6	1003.0
80°	92.1	92.1	101.7	115.4	136.0	188.2	882.1	1165.1	1187.1	1038.7	559.2
82.5°	68.7	71.4	79.7	86.6	100.3	129.2	377.8	599.0	614.2	482.3	292.7
85°	49.5	49.5	55.0	55.0	65.9	100.3	195.1	219.8	218.5	193.7	181.4
87.5°	16.5	16.5	13.7	16.5	27.5	63.2	122.3	123.7	118.2	134.6	152.5
90°	19.2	19.2	13.7	15.1	20.6	57.7	118.2	118.2	112.7	120.9	152.5
92.5°	20.6	20.6	15.1	15.1	17.9	50.8	119.5	125.0	118.2	122.3	151.1
95°	20.6	20.6	15.1	13.7	16.5	34.3	115.4	115.4	111.3	108.5	119.5
97.5°	12.4	12.4	9.6	11.0	13.7	17.9	68.7	71.4	63.2	49.5	64.6
100°	8.2	8.2	6.9	8.2	9.6	9.6	33.0	34.3	26.1	12.4	13.7
102.5°	8.2	8.2	5.5	6.9	5.5	5.5	9.6	12.4	8.2	8.2	11.0
105°	8.2	9.6	4.1	4.1	4.1	4.1	4.1	8.2	6.9	6.9	11.0
107.5°	8.2	8.2	4.1	4.1	4.1	4.1	2.7	4.1	5.5	6.9	12.4
110°	4.1	5.5	2.7	4.1	2.7	4.1	2.7	4.1	5.5	5.5	9.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	2.7	2.7	1.4	2.7	2.7	2.7	2.7	4.1	4.1	4.1	6.9
115°	2.7	2.7	1.4	1.4	1.4	2.7	2.7	2.7	4.1	4.1	6.9
117.5°	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	2.7	4.1	6.9
120°	4.1	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1	6.9
122.5°	4.1	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	6.9
125°	4.1	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	6.9
127.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	6.9
130°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	5.5
132.5°	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7	5.5
135°	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7	4.1
137.5°	2.7	2.7	1.4	1.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1
150°	4.1	4.1	4.1	2.7	2.7	1.4	2.7	2.7	2.7	2.7	4.1
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1
7.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
10°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1
12.5°	24.7	24.7	19.2	9.6	4.1	2.7	2.7	2.7	4.1	6.9	5.5
15°	130.5	130.5	127.8	116.8	24.7	6.9	5.5	12.4	55.0	98.9	100.3
17.5°	149.8	148.4	145.6	138.8	123.7	44.0	42.6	115.4	123.7	129.2	130.5
20°	281.7	278.9	215.7	153.9	134.6	133.3	116.8	130.5	134.6	137.4	138.8
22.5°	321.5	317.4	302.3	266.5	153.9	181.4	170.4	141.5	211.6	226.7	226.7
25°	369.6	358.6	328.4	287.2	262.4	191.0	196.5	206.1	218.5	221.2	221.2
27.5°	526.2	516.6	472.6	316.0	281.7	225.3	228.1	208.8	219.8	251.4	255.6
30°	551.0	535.8	496.0	390.2	292.7	252.8	218.5	244.6	256.9	255.6	256.9
32.5°	733.7	718.6	637.5	401.2	314.6	237.7	239.1	244.6	252.8	266.5	276.2
35°	762.5	746.1	654.0	456.2	300.9	236.3	236.3	247.3	284.4	289.9	289.9
37.5°	794.1	780.4	647.1	425.9	303.6	236.3	229.4	252.8	267.9	266.5	266.5
40°	849.1	827.1	629.3	388.8	276.2	226.7	229.4	237.7	245.9	237.7	233.6
42.5°	913.7	873.8	605.9	350.4	254.2	214.3	217.1	219.8	219.8	204.7	203.3
45°	996.1	921.9	574.3	314.6	233.6	199.2	206.1	202.0	202.0	189.6	188.2
47.5°	1089.5	971.4	535.8	283.0	215.7	185.5	195.1	191.0	193.7	182.7	181.4
50°	1198.1	1036.0	498.7	259.7	200.6	178.6	184.1	189.6	193.7	180.0	178.6
52.5°	1312.1	1099.2	472.6	233.6	186.9	170.4	188.2	189.6	192.4	178.6	178.6
55°	1452.3	1177.5	441.0	214.3	177.2	163.5	197.8	197.8	193.7	181.4	180.0
57.5°	1603.4	1255.8	382.0	196.5	169.0	159.4	202.0	208.8	199.2	184.1	184.1
60°	1743.5	1334.1	314.6	182.7	160.8	158.0	204.7	214.3	206.1	192.4	192.4
62.5°	1850.7	1372.6	263.8	171.7	151.1	153.9	203.3	225.3	222.6	215.7	215.7
65°	1863.1	1338.2	221.2	162.1	142.9	152.5	200.6	236.3	237.7	248.7	250.1
67.5°	1797.1	1228.3	188.2	153.9	136.0	148.4	202.0	259.7	266.5	287.2	284.4
70°	1615.8	1049.7	163.5	144.3	130.5	149.8	226.7	288.5	287.2	313.3	316.0
72.5°	1349.2	831.2	148.4	138.8	133.3	160.8	255.6	296.8	291.3	320.1	317.4
75°	1023.6	586.7	136.0	131.9	129.2	163.5	262.4	288.5	277.5	296.8	294.0
77.5°	673.2	386.1	123.7	123.7	125.0	156.6	251.4	274.8	261.1	273.4	272.0
80°	379.2	229.4	111.3	116.8	119.5	149.8	234.9	255.6	241.8	251.4	251.4
82.5°	228.1	163.5	97.6	107.2	109.9	148.4	219.8	237.7	225.3	230.8	224.0
85°	155.3	119.5	76.9	90.7	103.0	142.9	207.5	219.8	197.8	193.7	188.2
87.5°	126.4	93.4	42.6	57.7	76.9	122.3	164.9	166.2	145.6	142.9	141.5
90°	123.7	86.6	30.2	31.6	50.8	85.2	108.5	104.4	97.6	98.9	97.6
92.5°	120.9	82.4	33.0	34.3	50.8	67.3	92.1	90.7	83.8	90.7	89.3
95°	103.0	71.4	34.3	37.1	44.0	41.2	67.3	71.4	65.9	70.1	71.4
97.5°	53.6	38.5	33.0	37.1	33.0	24.7	39.8	45.3	34.3	27.5	30.2
100°	17.9	12.4	33.0	38.5	24.7	17.9	28.9	33.0	20.6	8.2	8.2
102.5°	11.0	11.0	23.4	30.2	17.9	9.6	19.2	23.4	15.1	6.9	6.9
105°	11.0	11.0	9.6	16.5	6.9	5.5	6.9	12.4	8.2	6.9	6.9
107.5°	12.4	11.0	5.5	5.5	5.5	4.1	4.1	5.5	5.5	6.9	6.9
110°	11.0	9.6	5.5	5.5	4.1	4.1	4.1	4.1	5.5	8.2	8.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	8.2	5.5	4.1	4.1	4.1	4.1	4.1	5.5	8.2	8.2
115°	6.9	6.9	4.1	4.1	2.7	4.1	4.1	4.1	5.5	8.2	9.6
117.5°	8.2	6.9	4.1	2.7	2.7	2.7	2.7	4.1	5.5	9.6	9.6
120°	8.2	6.9	4.1	4.1	2.7	2.7	2.7	4.1	5.5	9.6	11.0
122.5°	8.2	6.9	4.1	2.7	2.7	2.7	2.7	4.1	5.5	9.6	11.0
125°	6.9	6.9	4.1	2.7	2.7	2.7	2.7	4.1	5.5	9.6	9.6
127.5°	6.9	6.9	4.1	2.7	2.7	2.7	2.7	4.1	5.5	9.6	9.6
130°	6.9	5.5	4.1	2.7	2.7	2.7	2.7	4.1	5.5	8.2	9.6
132.5°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
135°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	5.5	6.9
137.5°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	5.5
140°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	2.7	4.1	4.1
142.5°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	2.7	4.1	4.1
145°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	2.7	4.1	4.1
147.5°	4.1	2.7	2.7	2.7	1.4	1.4	2.7	2.7	2.7	4.1	4.1
150°	4.1	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
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)