

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: P695857

Luminaire Tested: **LXF.LXT-PA16-727-U-T2U-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695857  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-727-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6421 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

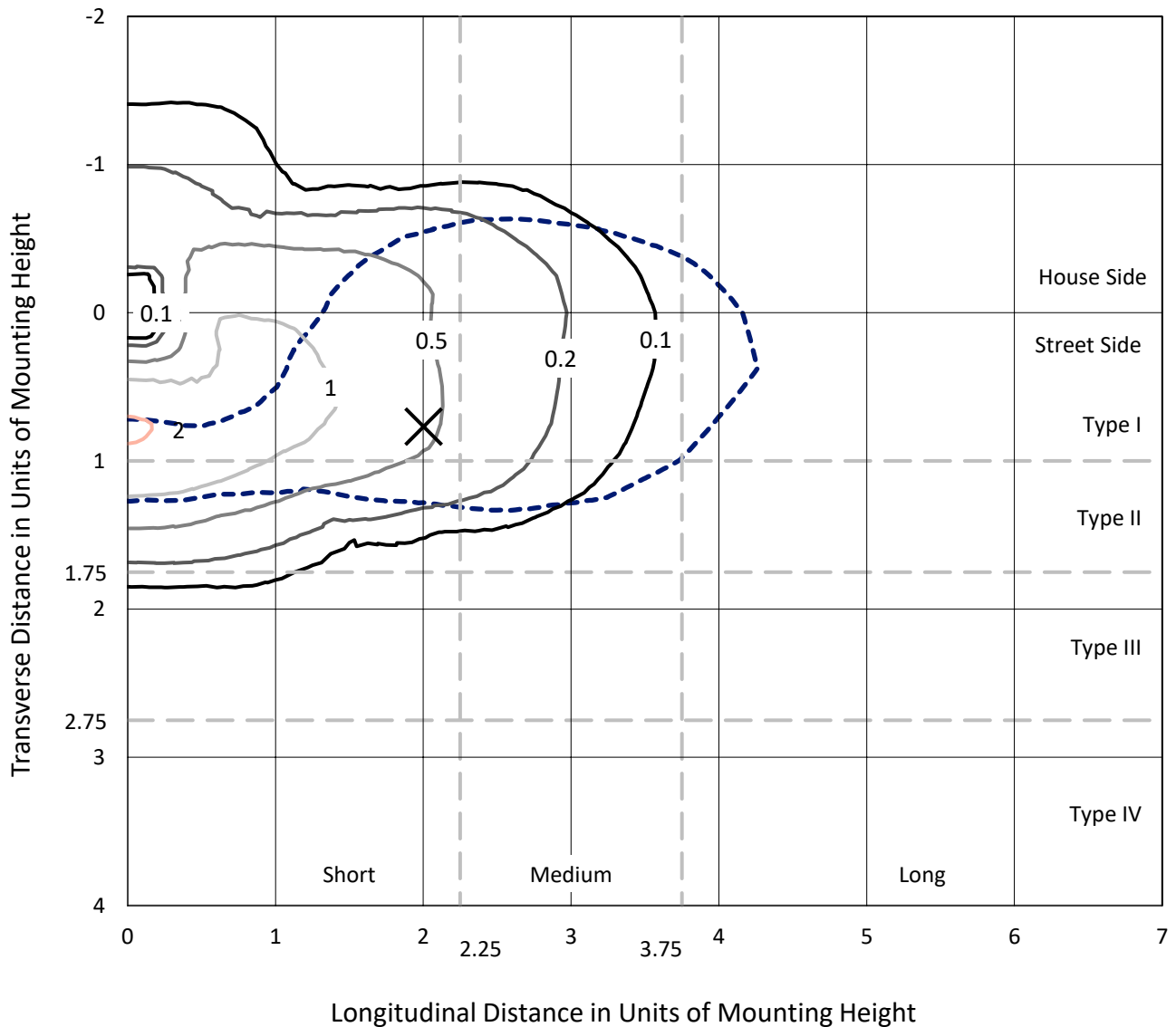
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

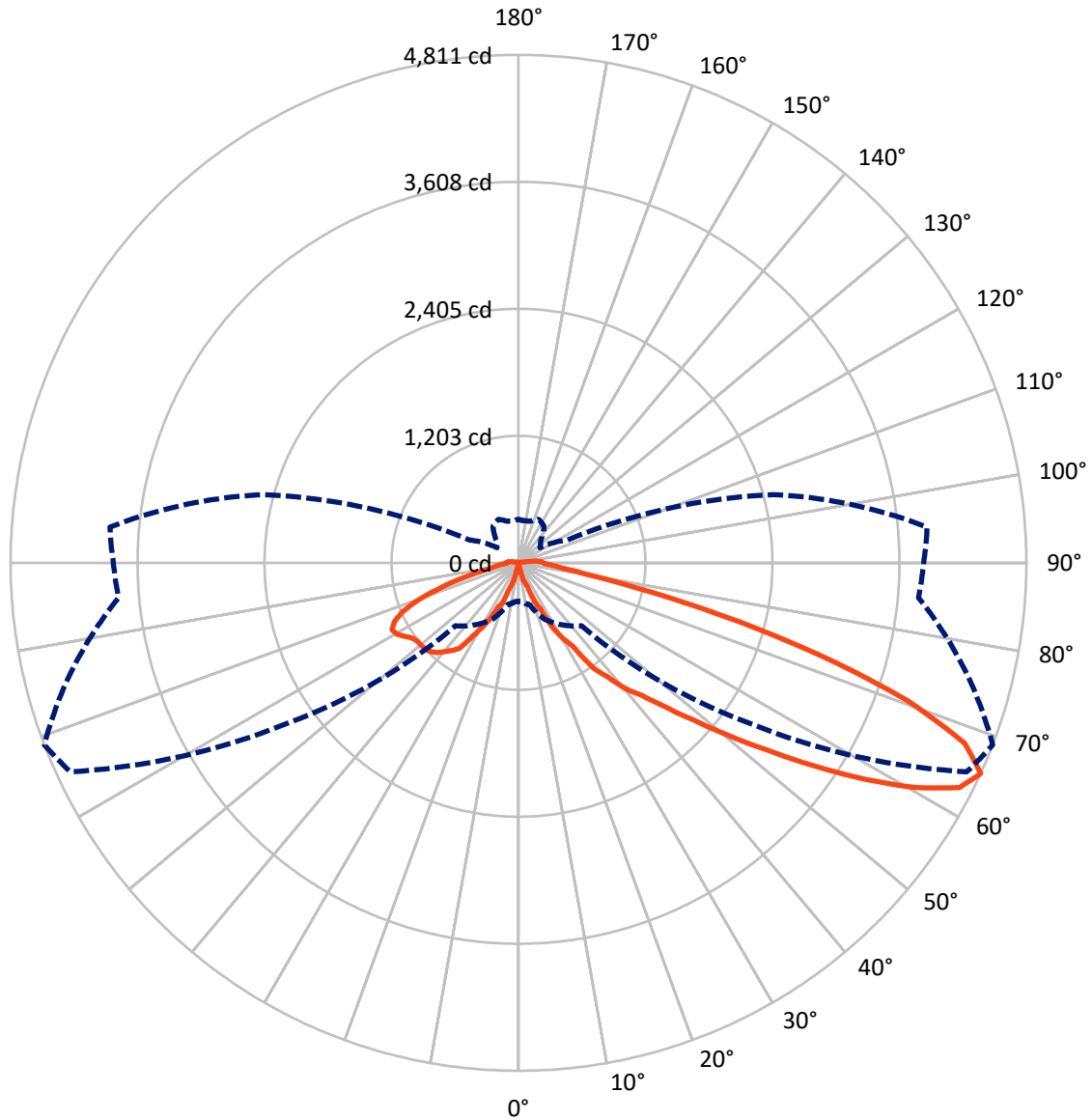
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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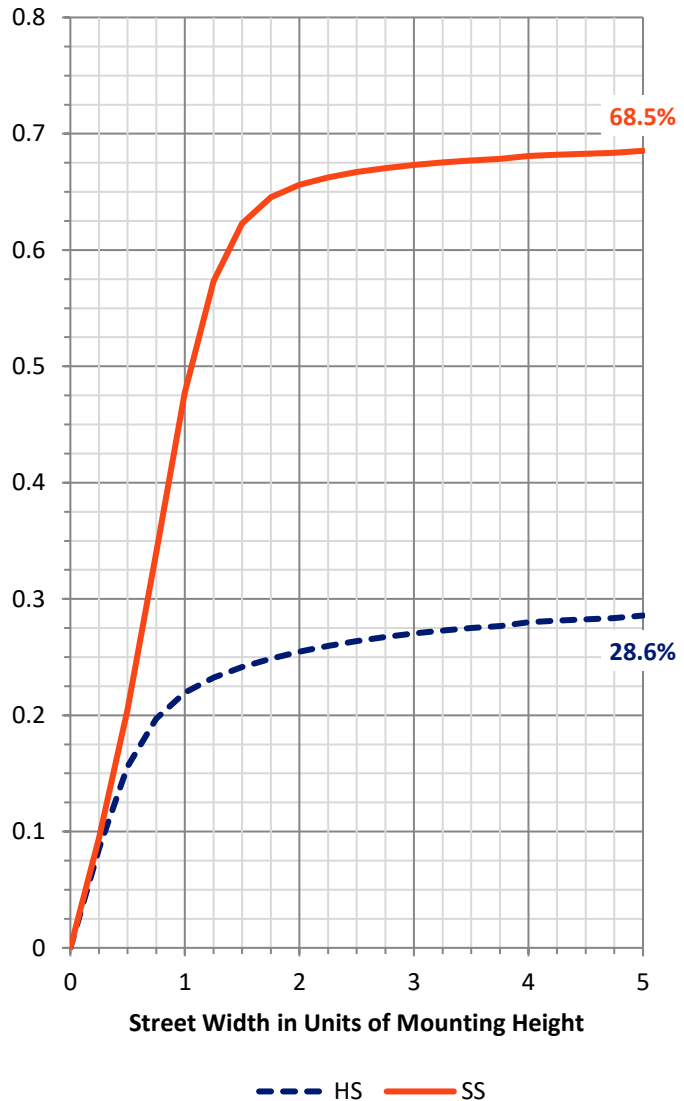
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1882.4	55.1	1937.5
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	4435.8	47.7	4483.5
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	6318.2	102.8	6421.0
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	38.8	0.6
20°-30°	247.3	3.9
30°-40°	678.5	10.6
40°-50°	1209.7	18.8
50°-60°	1570.2	24.5
60°-70°	1501.5	23.4
70°-80°	865.4	13.5
80°-90°	206.4	3.2
90°-100°	72.9	1.1
100°-110°	13.2	0.2
110°-120°	6.3	0.1
120°-130°	5.1	0.1
130°-140°	3.0	0.0
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6318.2	98.4
0°-180°	6421.0	100.0

**Coefficient of Utilization**

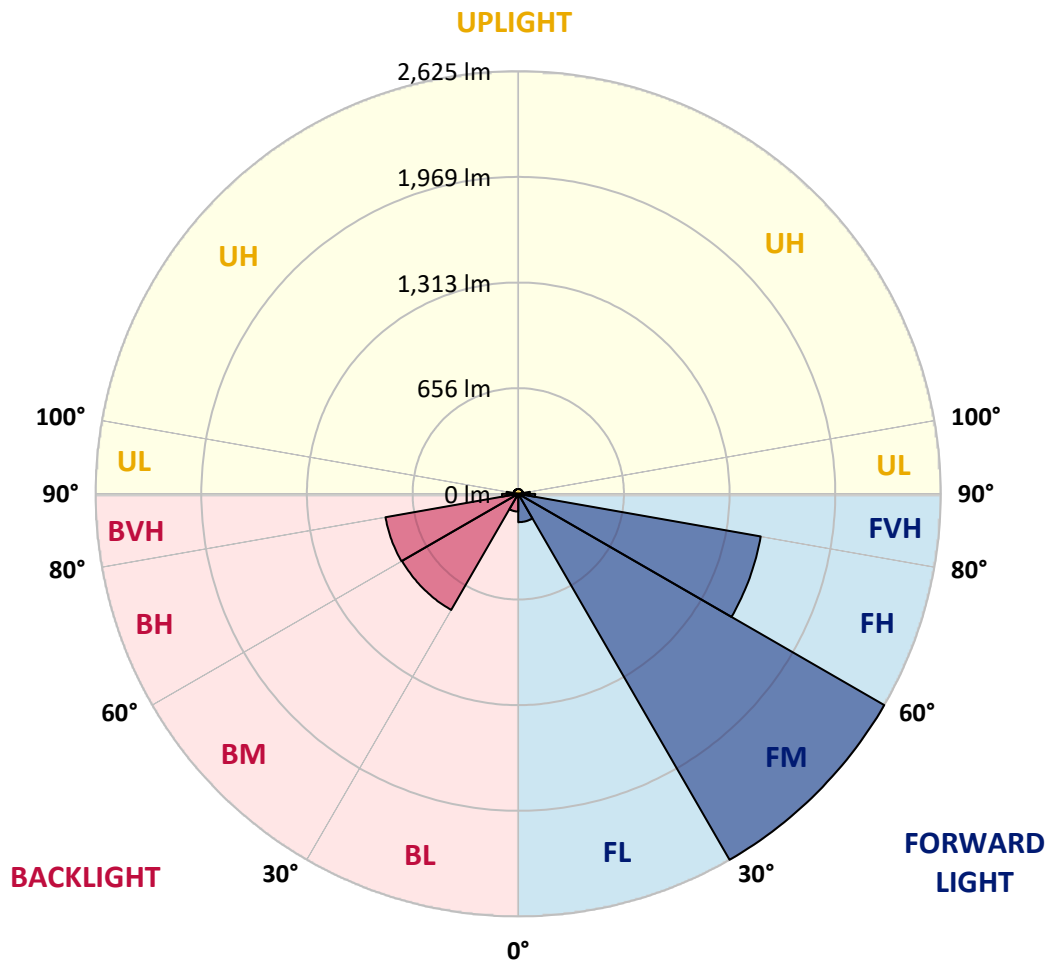


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.3	2.7			
FM (30°-60°)	2625.1	40.9			
FH (60°-80°)	1529.3	23.8			G1/1800
FVH (80°-90°)	105.1	1.6			G2/225
BL (0°-30°)	110.2	1.7	B1/500		
BM (30°-60°)	833.3	13.0	B1/1000		
BH (60°-80°)	837.6	13.0	B2/1000		G2/1000
BVH (80°-90°)	101.3	1.6			G2/225
UL (90°-100°)	72.9	1.1		U3/500	
UH (100°-180°)	29.9	0.5		U2/50	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.2	2.2
5°	4.3	4.3	4.3	6.5	4.3	4.3	4.3	4.3	4.3	2.2	2.2
7.5°	8.7	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	2.2	2.2
10°	36.9	30.4	23.9	17.4	10.9	6.5	6.5	4.3	4.3	4.3	4.3
12.5°	160.8	154.3	152.1	143.4	47.8	17.4	10.9	17.4	21.7	30.4	36.9
15°	189.0	186.9	182.5	169.5	160.8	119.5	39.1	147.7	160.8	169.5	171.6
17.5°	345.5	315.1	243.3	210.8	186.9	171.6	163.0	189.0	193.4	197.7	204.2
20°	467.1	467.1	447.6	393.3	239.0	284.6	280.3	226.0	236.8	293.3	369.4
22.5°	584.5	578.0	541.0	499.7	491.0	341.1	325.9	395.4	402.0	438.9	438.9
25°	962.5	962.5	853.9	630.1	588.8	495.4	501.9	506.3	491.0	499.7	521.5
27.5°	1142.9	1127.7	1086.4	960.4	730.0	688.8	595.3	593.2	706.1	730.0	745.3
30°	1633.9	1627.4	1394.9	1132.0	986.4	797.4	812.6	830.0	830.0	832.2	808.3
32.5°	1975.0	1983.7	1864.2	1505.7	1158.1	979.9	984.3	919.1	940.8	1090.7	1101.6
35°	2307.5	2324.9	2159.7	1831.6	1494.9	1214.6	1101.6	1182.0	1227.6	1225.4	1197.2
37.5°	2644.2	2631.2	2485.6	2116.3	1751.2	1397.1	1342.8	1390.6	1368.8	1397.1	1308.0
40°	2881.1	2878.9	2748.5	2416.1	2012.0	1649.1	1514.4	1557.9	1573.1	1562.2	1447.1
42.5°	3044.0	3028.8	2974.5	2724.6	2353.1	1983.7	1740.4	1770.8	1718.7	1759.9	1614.4
45°	3111.4	3091.8	3083.1	2894.1	2648.6	2494.3	2061.9	2001.1	1942.4	2025.0	1809.9
47.5°	3020.1	2994.1	3044.0	2985.4	2881.1	2852.8	2437.8	2227.1	2218.4	2281.4	2053.3
50°	2724.6	2679.0	2813.7	2918.0	2991.9	3100.5	2859.4	2587.8	2559.5	2563.9	2281.4
52.5°	2255.3	2257.5	2418.3	2607.3	2948.4	3144.0	3263.5	3041.9	2944.1	2896.3	2511.7
55°	1801.2	1816.4	1938.1	2105.4	2589.9	3100.5	3572.0	3554.6	3389.5	3217.9	2757.2
57.5°	1295.0	1327.6	1514.4	1629.6	2096.7	2796.3	3726.3	4010.9	3867.5	3550.3	3020.1
60°	740.9	780.0	984.3	1245.0	1605.7	2229.3	3650.2	4480.2	4323.8	3900.1	3283.0
62.5°	471.5	482.4	571.4	845.2	1049.4	1466.6	3328.7	4764.9	4686.6	4221.7	3567.7
65°	365.0	369.4	412.8	591.0	717.0	843.0	2618.2	4684.5	4810.5	4443.3	3802.3
67.5°	334.6	334.6	347.6	423.7	543.2	532.3	1692.6	4195.6	4556.3	4473.7	3880.5
70°	312.9	317.2	332.4	343.3	428.0	402.0	910.4	3320.0	3911.0	4176.0	3854.5
72.5°	273.8	278.1	297.7	325.9	332.4	325.9	508.4	2207.5	2972.3	3506.8	3643.7
75°	232.5	234.7	247.7	293.3	291.1	262.9	421.5	1318.9	1968.5	2572.5	3089.7
77.5°	191.2	197.7	212.9	236.8	265.1	208.6	375.9	775.7	1123.3	1618.7	2142.3
80°	141.2	145.6	160.8	195.5	212.9	180.3	310.7	504.1	630.1	838.7	1032.1
82.5°	102.1	104.3	117.3	141.2	152.1	154.3	243.3	406.3	432.4	462.8	465.0
85°	63.0	60.8	63.0	73.9	93.4	99.9	176.0	323.7	325.9	315.1	310.7
87.5°	28.2	28.2	21.7	26.1	30.4	30.4	91.3	256.4	256.4	243.3	252.0
90°	30.4	30.4	21.7	21.7	23.9	21.7	52.1	217.3	230.3	230.3	254.2
92.5°	32.6	30.4	23.9	21.7	21.7	19.6	32.6	173.8	208.6	230.3	262.9
95°	30.4	30.4	21.7	19.6	19.6	17.4	26.1	119.5	167.3	186.9	223.8
97.5°	21.7	21.7	15.2	15.2	17.4	15.2	19.6	50.0	65.2	84.7	113.0
100°	15.2	15.2	10.9	10.9	10.9	10.9	13.0	21.7	26.1	21.7	26.1
102.5°	13.0	15.2	8.7	8.7	8.7	6.5	8.7	10.9	13.0	15.2	19.6
105°	13.0	13.0	6.5	6.5	6.5	6.5	4.3	8.7	8.7	10.9	19.6
107.5°	8.7	8.7	6.5	6.5	4.3	4.3	4.3	6.5	8.7	10.9	19.6
110°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	6.5	8.7	8.7	15.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	6.5	10.9
115°	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	6.5	6.5	10.9
117.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	10.9
120°	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	10.9
122.5°	6.5	6.5	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	10.9
125°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	4.3	4.3	6.5	8.7
127.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	8.7
130°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	8.7
132.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5
135°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3
137.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3
140°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	4.3	6.5	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	6.5	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	6.5	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
5°	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3
7.5°	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3
10°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
12.5°	34.8	32.6	28.2	15.2	6.5	4.3	4.3	4.3	6.5	8.7	8.7
15°	176.0	178.2	173.8	156.4	39.1	10.9	6.5	19.6	73.9	128.2	89.1
17.5°	204.2	206.4	202.1	197.7	180.3	80.4	52.1	171.6	178.2	191.2	186.9
20°	375.9	371.5	310.7	230.3	208.6	193.4	163.0	197.7	208.6	212.9	212.9
22.5°	436.7	434.6	425.9	402.0	247.7	289.0	258.6	217.3	356.3	373.7	371.5
25°	506.3	493.2	469.3	447.6	428.0	317.2	319.4	345.5	365.0	367.2	367.2
27.5°	725.7	708.3	669.2	556.2	501.9	395.4	399.8	354.2	356.3	428.0	441.1
30°	788.7	760.5	719.2	697.5	578.0	465.0	382.4	406.3	419.3	417.2	421.5
32.5°	1051.6	1010.3	866.9	780.0	636.6	449.8	399.8	393.3	393.3	428.0	432.4
35°	1134.2	1073.3	995.1	973.4	647.5	441.1	378.1	384.6	434.6	441.1	438.9
37.5°	1232.0	1147.2	1069.0	1016.9	677.9	408.5	358.5	386.8	402.0	402.0	399.8
40°	1340.6	1255.9	1175.5	1029.9	645.3	375.9	360.7	367.2	378.1	371.5	369.4
42.5°	1499.2	1386.2	1314.5	1029.9	562.7	356.3	352.0	352.0	360.7	354.2	352.0
45°	1692.6	1562.2	1431.8	1014.7	478.0	345.5	347.6	345.5	354.2	345.5	343.3
47.5°	1896.8	1762.1	1538.3	977.7	412.8	336.8	354.2	343.3	345.5	332.4	330.3
50°	2129.3	1983.7	1649.1	912.6	375.9	336.8	352.0	345.5	339.0	325.9	323.7
52.5°	2364.0	2216.2	1779.5	832.2	349.8	330.3	354.2	352.0	343.3	323.7	323.7
55°	2605.1	2503.0	1929.4	762.6	321.6	328.1	365.0	365.0	347.6	321.6	319.4
57.5°	2863.7	2794.2	2094.5	736.6	295.5	315.1	382.4	386.8	354.2	319.4	319.4
60°	3165.7	3194.0	2270.5	706.1	278.1	304.2	391.1	406.3	362.9	319.4	319.4
62.5°	3541.6	3622.0	2435.7	636.6	262.9	289.0	399.8	428.0	388.9	356.3	358.5
65°	3837.1	3884.9	2494.3	510.6	247.7	295.5	421.5	454.1	406.3	402.0	412.8
67.5°	4000.1	3978.3	2405.2	388.9	230.3	291.1	415.0	471.5	425.9	436.7	443.2
70°	3995.7	3837.1	2109.7	299.8	215.1	286.8	421.5	465.0	436.7	467.1	486.7
72.5°	3717.6	3356.9	1599.2	260.7	215.1	282.5	410.7	447.6	438.9	469.3	484.5
75°	2987.5	2550.8	1097.2	228.1	204.2	269.4	391.1	417.2	399.8	425.9	434.6
77.5°	1979.4	1677.4	612.7	206.4	202.1	247.7	356.3	369.4	349.8	367.2	373.7
80°	927.8	773.5	341.1	191.2	195.5	219.4	293.3	312.9	282.5	299.8	299.8
82.5°	425.9	393.3	258.6	173.8	176.0	167.3	228.1	258.6	230.3	239.0	230.3
85°	286.8	289.0	206.4	147.7	143.4	119.5	180.3	199.9	173.8	180.3	152.1
87.5°	249.9	256.4	165.1	95.6	82.6	73.9	117.3	121.7	89.1	73.9	71.7
90°	256.4	258.6	152.1	71.7	50.0	39.1	63.0	60.8	39.1	34.8	34.8
92.5°	265.1	265.1	154.3	76.0	50.0	36.9	56.5	45.6	34.8	30.4	30.4
95°	241.2	228.1	134.7	76.0	47.8	32.6	45.6	39.1	30.4	30.4	28.2
97.5°	147.7	134.7	99.9	76.0	39.1	28.2	34.8	30.4	21.7	19.6	19.6
100°	41.3	34.8	63.0	60.8	28.2	19.6	23.9	19.6	13.0	10.9	8.7
102.5°	19.6	19.6	32.6	39.1	15.2	10.9	13.0	13.0	10.9	10.9	8.7
105°	19.6	19.6	15.2	17.4	8.7	6.5	6.5	8.7	8.7	10.9	10.9
107.5°	19.6	21.7	13.0	8.7	8.7	6.5	4.3	6.5	8.7	10.9	13.0
110°	17.4	17.4	10.9	8.7	6.5	6.5	4.3	6.5	8.7	13.0	13.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	13.0	8.7	8.7	6.5	6.5	4.3	4.3	8.7	13.0	15.2
115°	10.9	10.9	8.7	6.5	4.3	4.3	4.3	4.3	8.7	15.2	17.4
117.5°	10.9	10.9	6.5	4.3	4.3	4.3	4.3	4.3	8.7	17.4	17.4
120°	10.9	10.9	6.5	4.3	4.3	4.3	4.3	6.5	10.9	17.4	19.6
122.5°	10.9	10.9	6.5	4.3	4.3	4.3	4.3	6.5	10.9	17.4	19.6
125°	10.9	10.9	6.5	4.3	4.3	4.3	4.3	6.5	10.9	17.4	17.4
127.5°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	4.3	8.7	15.2	17.4
130°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	4.3	8.7	15.2	15.2
132.5°	6.5	6.5	4.3	4.3	4.3	2.2	4.3	4.3	8.7	13.0	13.0
135°	4.3	4.3	4.3	2.2	2.2	2.2	4.3	4.3	6.5	8.7	10.9
137.5°	4.3	4.3	2.2	2.2	4.3	4.3	4.3	4.3	6.5	6.5	6.5
140°	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3	6.5	6.5
142.5°	2.2	2.2	2.2	2.2	4.3	2.2	4.3	4.3	4.3	6.5	6.5
145°	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3	6.5	6.5
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5	6.5
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	6.5
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)