

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: P695866

Luminaire Tested: **LXF.LXT-PA16-727-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6045 lumens  
Efficiency: N/A  
Efficacy: 84.0 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

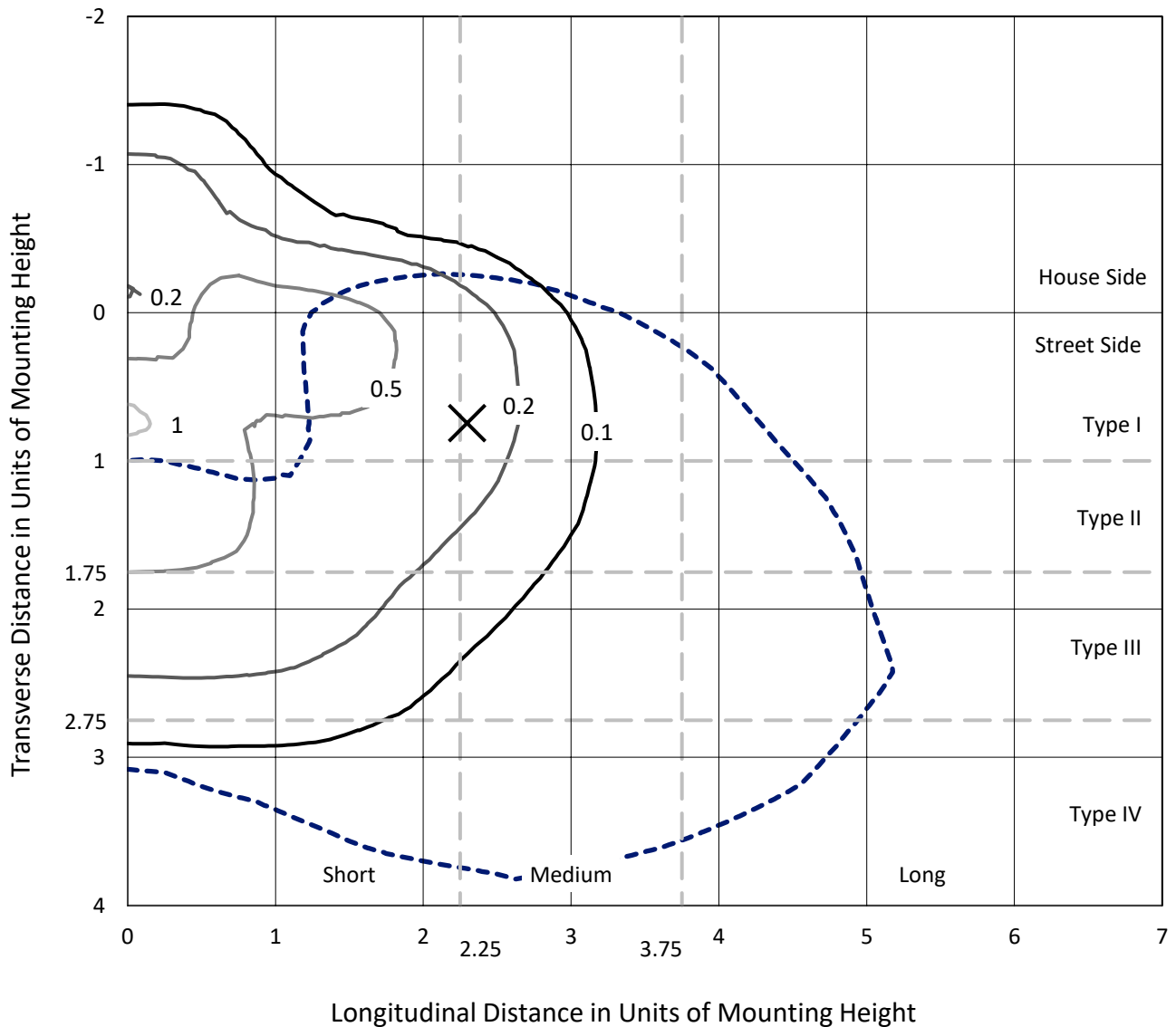
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

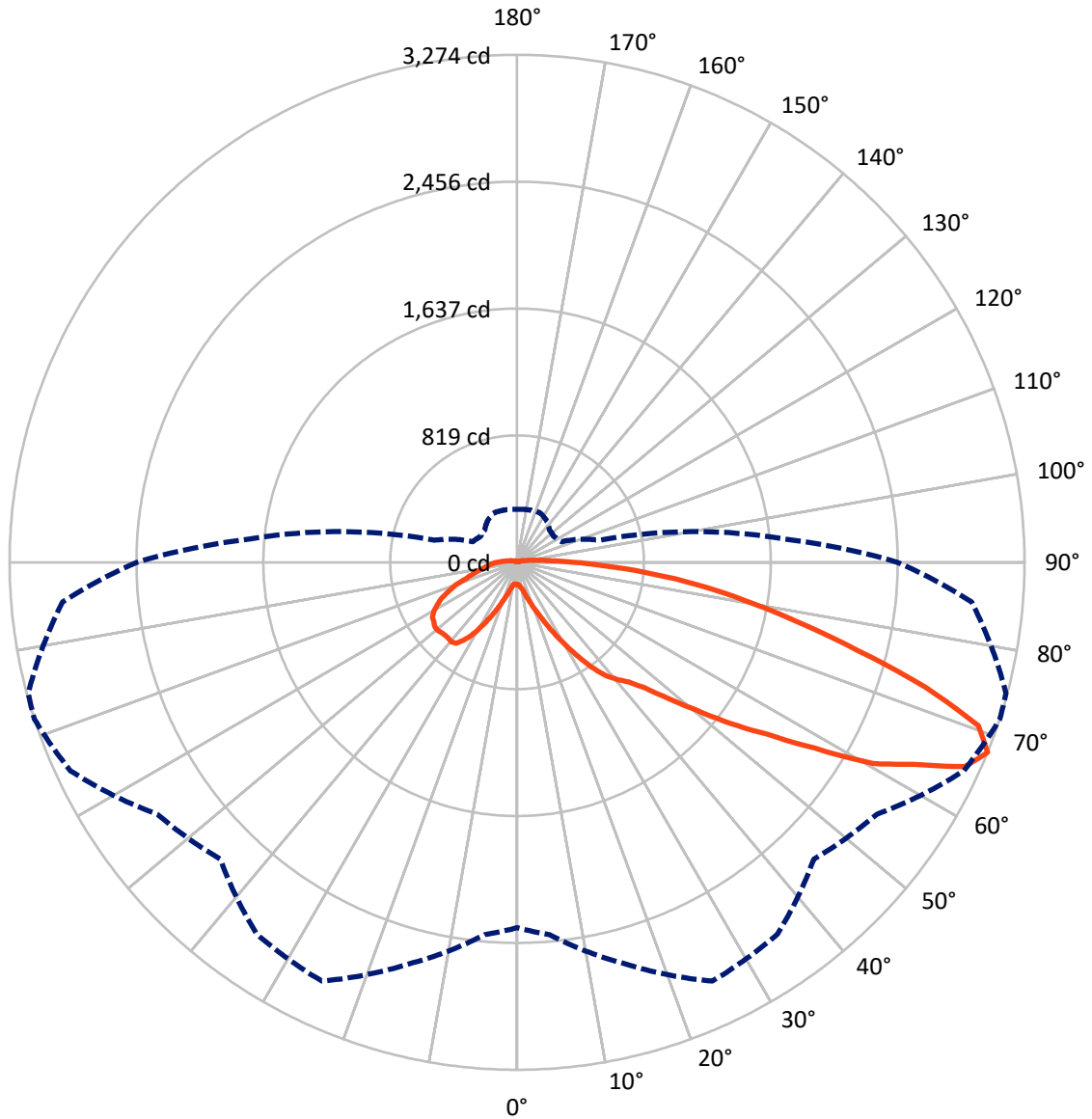
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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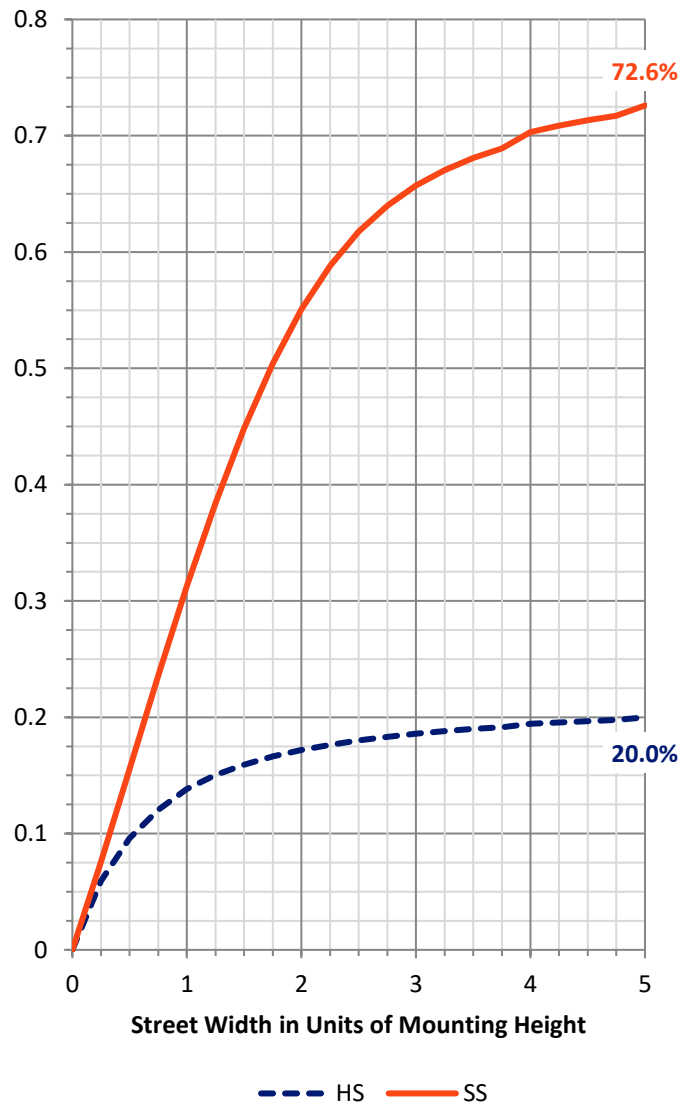
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1275.8	109.7	1385.5
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	4542.7	116.8	4659.5
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	5818.5	226.5	6045.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.5	0.2
10°-20°	62.6	1.0
20°-30°	189.7	3.1
30°-40°	427.1	7.1
40°-50°	685.6	11.3
50°-60°	1111.3	18.4
60°-70°	1620.8	26.8
70°-80°	1215.1	20.1
80°-90°	491.9	8.1
90°-100°	136.5	2.3
100°-110°	44.8	0.7
110°-120°	20.7	0.3
120°-130°	12.4	0.2
130°-140°	8.0	0.1
140°-150°	3.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5818.5	96.3
0°-180°	6045.0	100.0

**Coefficient of Utilization**

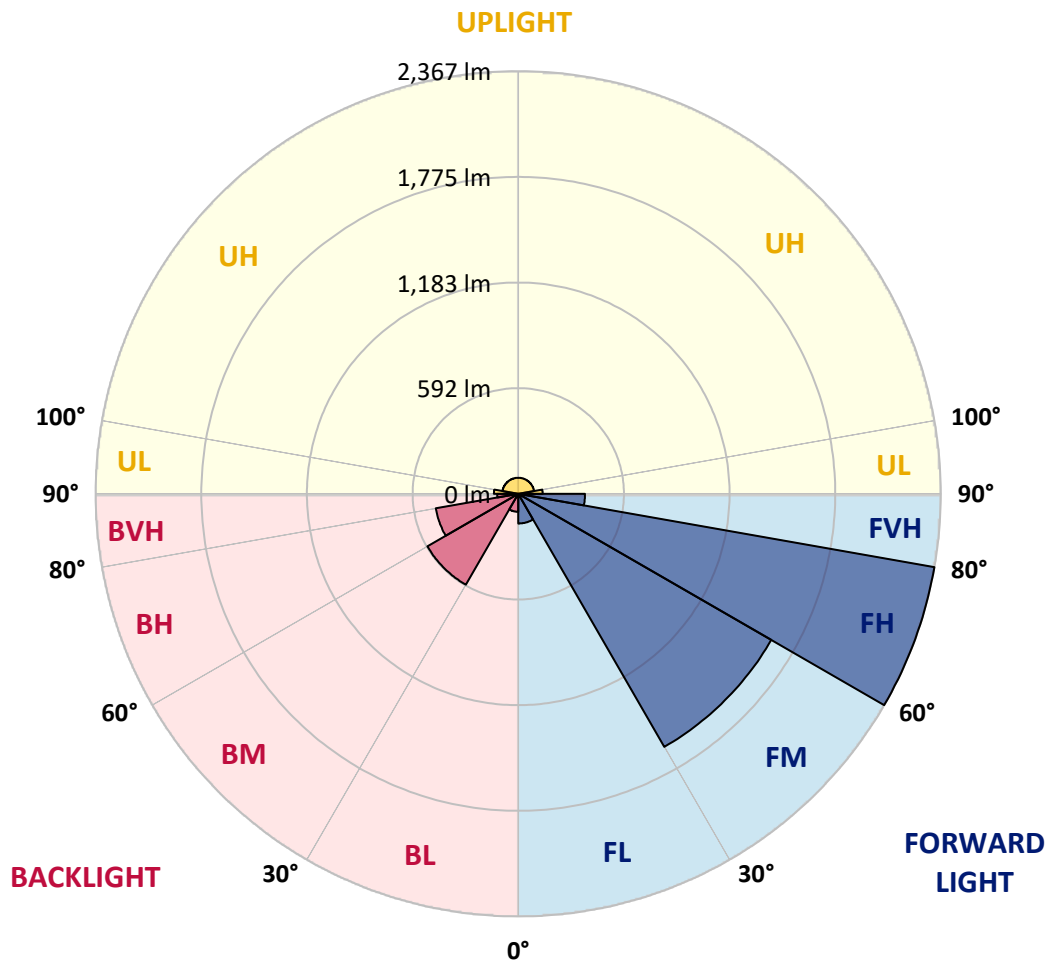


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.2	2.7			
FM (30°-60°)	1636.4	27.1			
FH (60°-80°)	2366.7	39.2			G2/5000
FVH (80°-90°)	373.5	6.2			G3/500
BL (0°-30°)	100.7	1.7	B0/110		
BM (30°-60°)	587.6	9.7	B1/1000		
BH (60°-80°)	469.2	7.8	B1/500		G1/500
BVH (80°-90°)	118.4	2.0			G2/225
UL (90°-100°)	136.5	2.3		U3/500	
UH (100°-180°)	89.9	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°	72°	75°	85°
0°	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4
2.5°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	147.7	145.6	145.6	143.4
5°	162.9	162.9	162.9	162.9	162.9	160.8	156.4	154.3	152.1	149.9	147.7
7.5°	182.5	180.3	180.3	178.2	176.0	173.8	169.5	165.1	160.8	158.6	154.3
10°	206.4	206.4	204.2	199.9	197.7	189.0	184.7	178.2	173.8	171.6	165.1
12.5°	249.9	245.5	243.3	236.8	226.0	215.1	206.4	199.9	195.5	195.5	186.8
15°	299.8	297.6	293.3	275.9	262.9	247.7	236.8	232.5	230.3	226.0	219.4
17.5°	360.7	360.7	352.0	328.1	306.3	291.1	278.1	271.6	269.4	269.4	262.9
20°	438.9	438.9	421.5	386.7	360.7	341.1	325.9	317.2	317.2	315.0	310.7
22.5°	530.1	534.5	508.4	462.8	419.3	391.1	373.7	371.5	371.5	380.2	375.9
25°	636.6	636.6	604.0	545.3	495.4	445.4	432.3	441.0	447.6	456.2	458.4
27.5°	773.4	769.1	714.8	640.9	562.7	508.4	493.2	510.6	530.1	536.6	549.7
30°	929.9	923.4	856.0	751.7	645.3	564.9	558.4	590.9	625.7	632.2	649.6
32.5°	1062.4	1066.8	990.7	875.6	730.0	634.4	627.9	680.0	723.5	738.7	771.3
35°	1223.2	1225.4	1134.1	988.5	812.6	699.6	697.4	769.1	832.1	851.7	886.4
37.5°	1290.5	1303.6	1234.0	1086.3	895.1	769.1	764.8	853.8	925.5	947.3	986.4
40°	1360.1	1368.7	1297.0	1158.0	962.5	829.9	832.1	927.7	992.9	1019.0	1040.7
42.5°	1503.4	1507.8	1410.0	1234.0	1019.0	892.9	895.1	982.0	1055.9	1088.5	1127.6
45°	1631.6	1651.2	1555.6	1353.5	1095.0	947.3	951.6	1071.1	1153.7	1199.3	1247.1
47.5°	1814.1	1814.1	1735.9	1512.1	1208.0	1021.1	1045.0	1197.1	1310.1	1349.2	1418.7
50°	1977.1	1979.2	1920.6	1683.8	1334.0	1123.2	1166.7	1355.7	1499.1	1544.7	1638.1
52.5°	2111.8	2113.9	2072.7	1881.5	1505.6	1257.9	1307.9	1566.5	1727.2	1783.7	1866.3
55°	2279.1	2268.2	2242.1	2079.2	1701.2	1431.7	1505.6	1790.2	1957.5	2033.6	2133.5
57.5°	2457.2	2444.2	2455.0	2294.3	1924.9	1646.8	1722.9	2029.2	2261.7	2359.5	2474.6
60°	2555.0	2559.3	2641.9	2576.7	2196.5	1914.1	1998.8	2394.2	2635.4	2711.4	2737.5
62.5°	2602.8	2607.1	2748.4	2791.8	2518.1	2194.3	2313.8	2696.2	2870.0	2965.6	2946.1
65°	2589.8	2607.1	2833.1	2952.6	2787.5	2496.3	2624.5	2980.8	3176.4	3226.3	3074.2
67.5°	2357.3	2411.6	2681.0	2980.8	2928.7	2707.1	2833.1	3180.7	3274.1	3265.4	2943.9
70°	1996.6	2011.8	2335.6	2770.1	2887.4	2698.4	2852.6	3139.4	3156.8	3111.2	2654.9
72.5°	1536.0	1573.0	1866.3	2337.7	2600.6	2505.0	2635.4	2861.3	2754.9	2639.7	2142.2
75°	1127.6	1112.4	1357.9	1816.3	2153.1	2166.1	2294.3	2426.8	2268.2	2174.8	1749.0
77.5°	764.8	801.7	977.7	1344.8	1692.5	1809.8	1938.0	1955.3	1851.1	1775.0	1338.3
80°	523.6	530.1	662.6	982.0	1320.9	1486.1	1599.0	1638.1	1488.2	1401.3	1010.3
82.5°	299.8	306.3	419.3	706.1	1036.3	1227.5	1342.7	1331.8	1160.2	1073.3	701.8
85°	167.3	169.5	243.3	436.7	780.0	982.0	1082.0	995.1	823.4	743.0	460.6
87.5°	99.9	104.3	145.6	280.3	530.1	760.4	810.4	693.1	532.3	473.6	304.2
90°	63.0	67.4	89.1	165.1	341.1	534.5	549.7	436.7	330.2	297.6	206.4
92.5°	41.3	43.5	58.7	102.1	210.7	336.8	352.0	262.9	204.2	182.5	141.2
95°	32.6	32.6	41.3	69.5	130.4	197.7	212.9	158.6	132.5	119.5	97.8
97.5°	26.1	26.1	32.6	50.0	89.1	123.8	128.2	104.3	89.1	86.9	73.9
100°	21.7	23.9	28.2	39.1	63.0	82.6	82.6	71.7	65.2	65.2	58.7
102.5°	19.6	19.6	23.9	32.6	50.0	63.0	60.8	54.3	50.0	50.0	47.8
105°	19.6	17.4	21.7	26.1	39.1	47.8	45.6	41.3	39.1	36.9	36.9
107.5°	17.4	15.2	17.4	21.7	32.6	39.1	36.9	32.6	30.4	28.2	30.4
110°	15.2	15.2	15.2	19.6	26.1	32.6	30.4	26.1	23.9	23.9	23.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	13.0	13.0	13.0	17.4	21.7	26.1	26.1	21.7	19.6	17.4	19.6
115°	13.0	13.0	13.0	15.2	19.6	23.9	21.7	17.4	15.2	15.2	17.4
117.5°	10.9	10.9	10.9	15.2	17.4	19.6	19.6	15.2	13.0	13.0	15.2
120°	10.9	10.9	10.9	13.0	17.4	17.4	17.4	13.0	13.0	13.0	15.2
122.5°	10.9	10.9	10.9	13.0	15.2	17.4	15.2	13.0	10.9	10.9	13.0
125°	10.9	10.9	10.9	13.0	15.2	15.2	13.0	10.9	10.9	10.9	13.0
127.5°	10.9	10.9	10.9	13.0	13.0	13.0	13.0	10.9	10.9	10.9	13.0
130°	10.9	10.9	10.9	10.9	13.0	13.0	10.9	10.9	10.9	10.9	10.9
132.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	8.7	10.9	10.9	10.9
135°	10.9	10.9	10.9	10.9	10.9	10.9	8.7	8.7	8.7	8.7	10.9
137.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	10.9
140°	8.7	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5	6.5	8.7
142.5°	8.7	8.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
145°	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5
147.5°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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°	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4	143.4
2.5°	143.4	143.4	141.2	139.0	139.0	139.0	139.0	139.0	136.9	136.9	136.9
5°	145.6	143.4	141.2	139.0	136.9	134.7	132.5	132.5	130.4	130.4	130.4
7.5°	152.1	149.9	143.4	139.0	134.7	132.5	130.4	128.2	126.0	123.8	123.8
10°	162.9	158.6	149.9	143.4	136.9	132.5	128.2	126.0	123.8	123.8	121.7
12.5°	182.5	178.2	165.1	154.3	143.4	136.9	130.4	128.2	128.2	128.2	130.4
15°	215.1	208.6	191.2	176.0	158.6	145.6	141.2	143.4	145.6	147.7	147.7
17.5°	256.4	247.7	228.1	202.1	178.2	162.9	160.8	162.9	167.3	171.6	171.6
20°	304.2	293.3	262.9	232.5	202.1	189.0	182.5	186.8	193.4	202.1	199.9
22.5°	371.5	354.1	317.2	267.2	232.5	215.1	206.4	212.9	226.0	234.6	234.6
25°	447.6	425.8	378.0	310.7	262.9	236.8	232.5	243.3	267.2	280.3	280.3
27.5°	534.5	508.4	443.2	356.3	295.5	260.7	256.4	280.3	310.7	334.6	332.4
30°	636.6	606.2	521.4	404.1	325.9	280.3	284.6	317.2	358.5	386.7	386.7
32.5°	753.9	706.1	597.5	456.2	349.8	297.6	306.3	349.8	399.8	428.0	432.3
35°	864.7	808.2	660.5	495.4	369.3	312.9	323.7	380.2	438.9	473.6	473.6
37.5°	960.3	899.5	710.4	521.4	378.0	321.5	338.9	404.1	460.6	495.4	495.4
40°	1005.9	934.2	725.7	525.8	380.2	325.9	347.6	415.0	469.3	497.5	495.4
42.5°	1088.5	992.9	727.8	501.9	373.7	328.1	352.0	410.6	451.9	464.9	462.8
45°	1199.3	1075.4	738.7	480.1	358.5	323.7	347.6	395.4	419.3	421.5	417.1
47.5°	1342.7	1194.9	753.9	460.6	345.4	317.2	336.8	373.7	386.7	380.2	378.0
50°	1540.4	1331.8	775.6	438.9	336.8	306.3	325.9	358.5	367.2	354.1	352.0
52.5°	1733.7	1468.7	784.3	417.1	328.1	299.8	319.4	352.0	354.1	332.4	330.2
55°	1968.4	1616.4	773.4	393.2	323.7	297.6	319.4	347.6	338.9	317.2	312.9
57.5°	2261.7	1805.4	771.3	371.5	315.0	297.6	321.5	343.3	336.8	321.5	319.4
60°	2444.2	1885.8	736.5	358.5	308.5	302.0	325.9	349.8	341.1	323.7	321.5
62.5°	2574.5	1920.6	684.4	343.3	304.2	302.0	332.4	352.0	338.9	325.9	323.7
65°	2611.5	1885.8	630.1	328.1	297.6	302.0	334.6	349.8	343.3	334.6	334.6
67.5°	2455.0	1729.4	551.8	315.0	289.0	295.5	330.2	352.0	347.6	343.3	341.1
70°	2170.4	1507.8	480.1	297.6	273.7	284.6	323.7	352.0	352.0	349.8	349.8
72.5°	1731.6	1164.5	386.7	278.1	256.4	271.6	315.0	345.4	343.3	341.1	338.9
75°	1388.3	919.0	328.1	252.0	239.0	254.2	302.0	332.4	328.1	328.1	325.9
77.5°	1045.0	695.2	278.1	228.1	217.3	239.0	282.4	310.7	308.5	306.3	302.0
80°	756.1	514.9	236.8	206.4	199.9	219.4	258.5	282.4	282.4	282.4	280.3
82.5°	547.5	380.2	206.4	186.8	182.5	199.9	232.5	252.0	260.7	267.2	262.9
85°	360.7	267.2	182.5	169.5	169.5	184.7	210.7	228.1	241.2	247.7	245.5
87.5°	245.5	204.2	160.8	149.9	154.3	169.5	193.4	206.4	217.3	223.8	221.6
90°	173.8	158.6	136.9	128.2	132.5	152.1	173.8	184.7	189.0	191.2	189.0
92.5°	123.8	117.3	108.6	104.3	110.8	132.5	152.1	156.4	156.4	154.3	149.9
95°	93.4	89.1	86.9	82.6	91.2	110.8	126.0	126.0	126.0	119.5	119.5
97.5°	71.7	71.7	71.7	67.4	73.9	89.1	99.9	97.8	97.8	93.4	93.4
100°	58.7	58.7	58.7	56.5	60.8	71.7	76.0	76.0	78.2	76.0	76.0
102.5°	47.8	47.8	47.8	47.8	50.0	58.7	63.0	60.8	63.0	63.0	63.0
105°	39.1	39.1	41.3	39.1	43.5	50.0	50.0	50.0	52.1	47.8	50.0
107.5°	30.4	32.6	32.6	32.6	36.9	41.3	43.5	41.3	41.3	39.1	39.1
110°	26.1	28.2	28.2	28.2	30.4	34.8	36.9	34.8	32.6	32.6	32.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.7	23.9	23.9	23.9	26.1	30.4	30.4	28.2	26.1	26.1	26.1
115°	19.6	19.6	21.7	21.7	23.9	26.1	26.1	23.9	21.7	23.9	23.9
117.5°	17.4	17.4	19.6	19.6	19.6	21.7	21.7	19.6	19.6	21.7	21.7
120°	15.2	17.4	17.4	17.4	17.4	19.6	19.6	17.4	17.4	19.6	19.6
122.5°	15.2	15.2	15.2	15.2	17.4	17.4	17.4	15.2	15.2	17.4	17.4
125°	13.0	15.2	15.2	15.2	15.2	15.2	15.2	13.0	15.2	15.2	17.4
127.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.2	15.2
130°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.9	13.0	13.0	13.0
132.5°	13.0	13.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	13.0	13.0
135°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	13.0	13.0
137.5°	10.9	10.9	8.7	8.7	8.7	8.7	8.7	8.7	10.9	10.9	10.9
140°	8.7	8.7	8.7	6.5	6.5	6.5	8.7	8.7	8.7	8.7	8.7
142.5°	8.7	8.7	6.5	6.5	6.5	6.5	6.5	6.5	8.7	8.7	8.7
145°	6.5	6.5	6.5	4.3	4.3	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	4.3
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)