

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: P695851

Luminaire Tested: **LXF.LXT-PA16-727-U-T2R-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)  
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-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5878 lumens  
Efficiency: N/A  
Efficacy: 81.6 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: B1 - U3 - G2

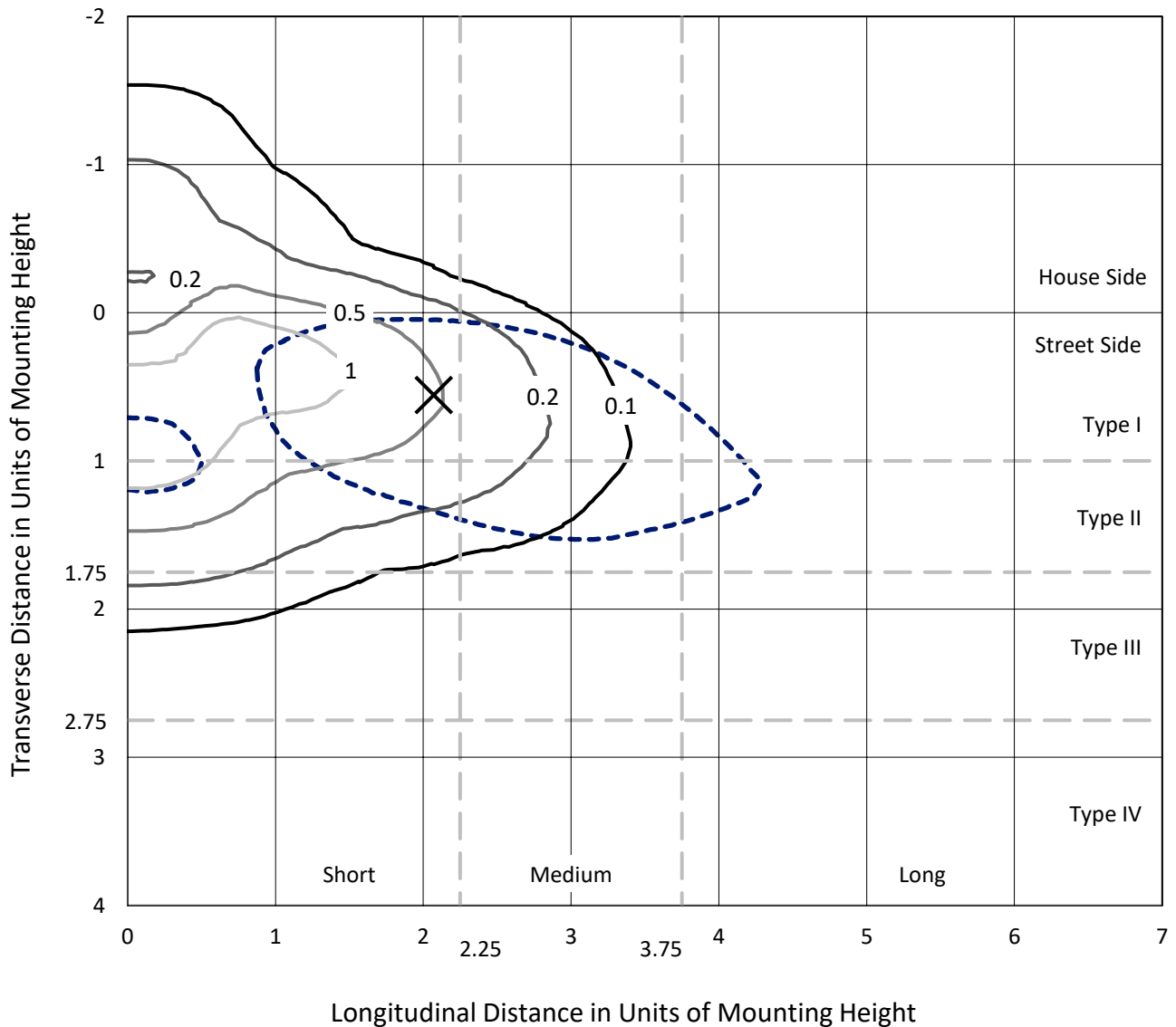
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

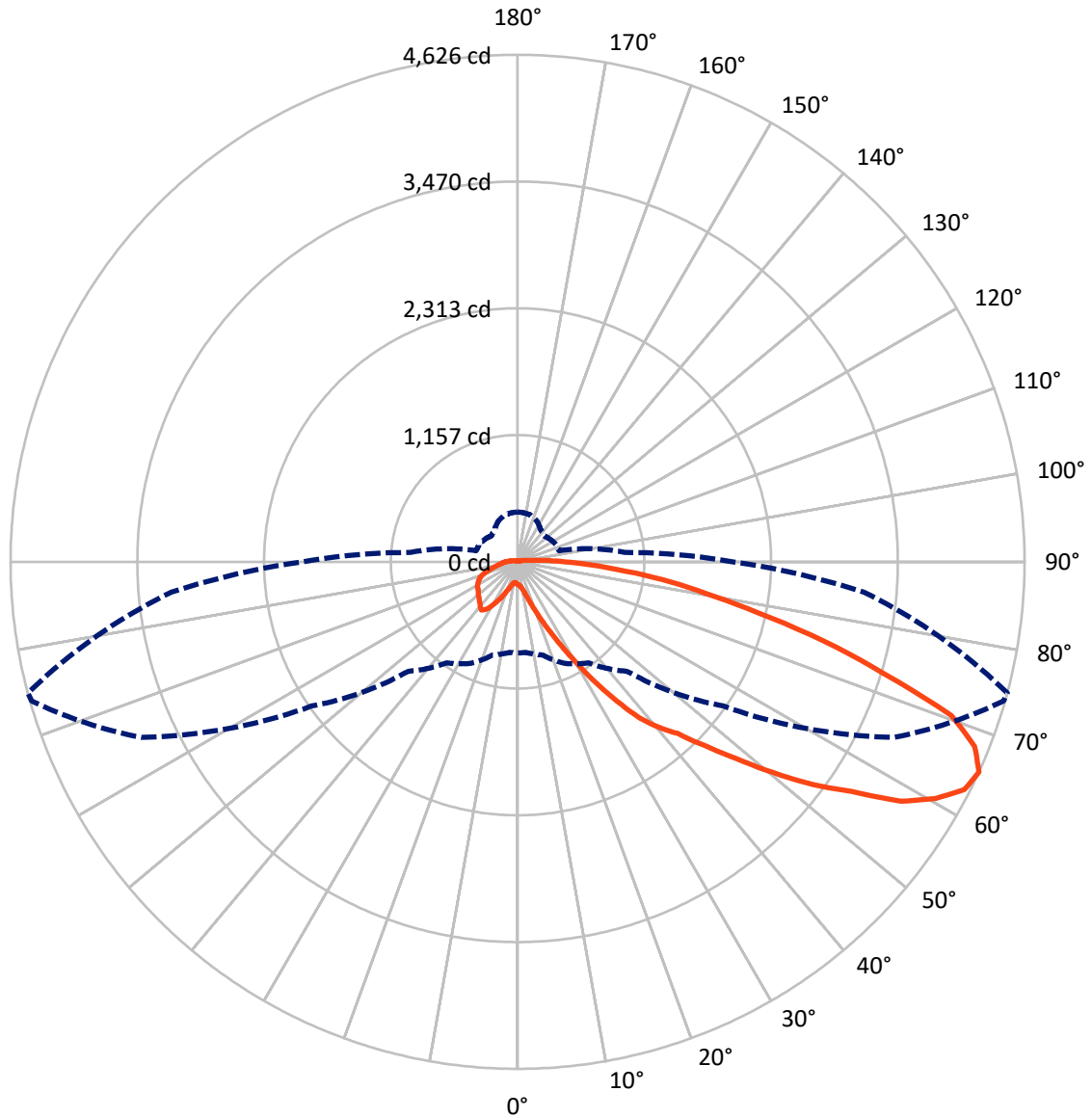
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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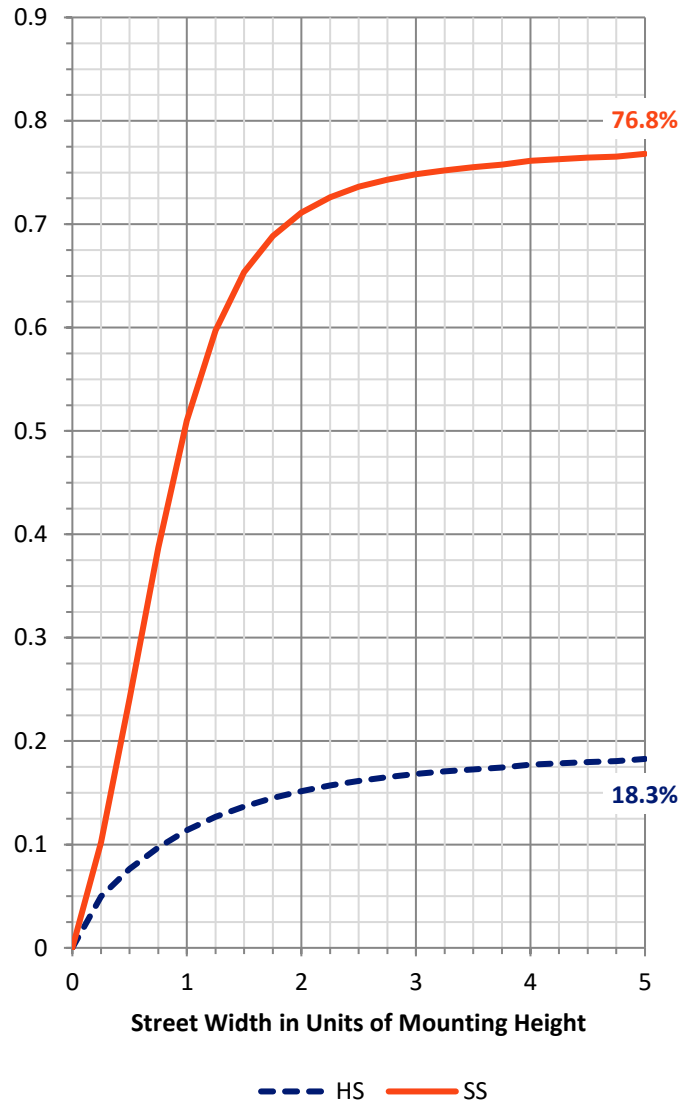
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1125.4	89.4	1214.8
	% Fixture	19.1	1.5	20.7
<b>Street Side</b>	Lumens	4573.5	89.6	4663.2
	% Fixture	77.8	1.5	79.3
<b>Total</b>	Lumens	5699.0	179.0	5878.0
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.9	0.4
10°-20°	89.7	1.5
20°-30°	280.1	4.8
30°-40°	665.9	11.3
40°-50°	1031.0	17.5
50°-60°	1286.4	21.9
60°-70°	1258.8	21.4
70°-80°	765.5	13.0
80°-90°	300.6	5.1
90°-100°	93.8	1.6
100°-110°	37.5	0.6
110°-120°	20.7	0.4
120°-130°	13.6	0.2
130°-140°	9.1	0.2
140°-150°	4.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5699.0	97.0
0°-180°	5878.0	100.0

**Coefficient of Utilization**



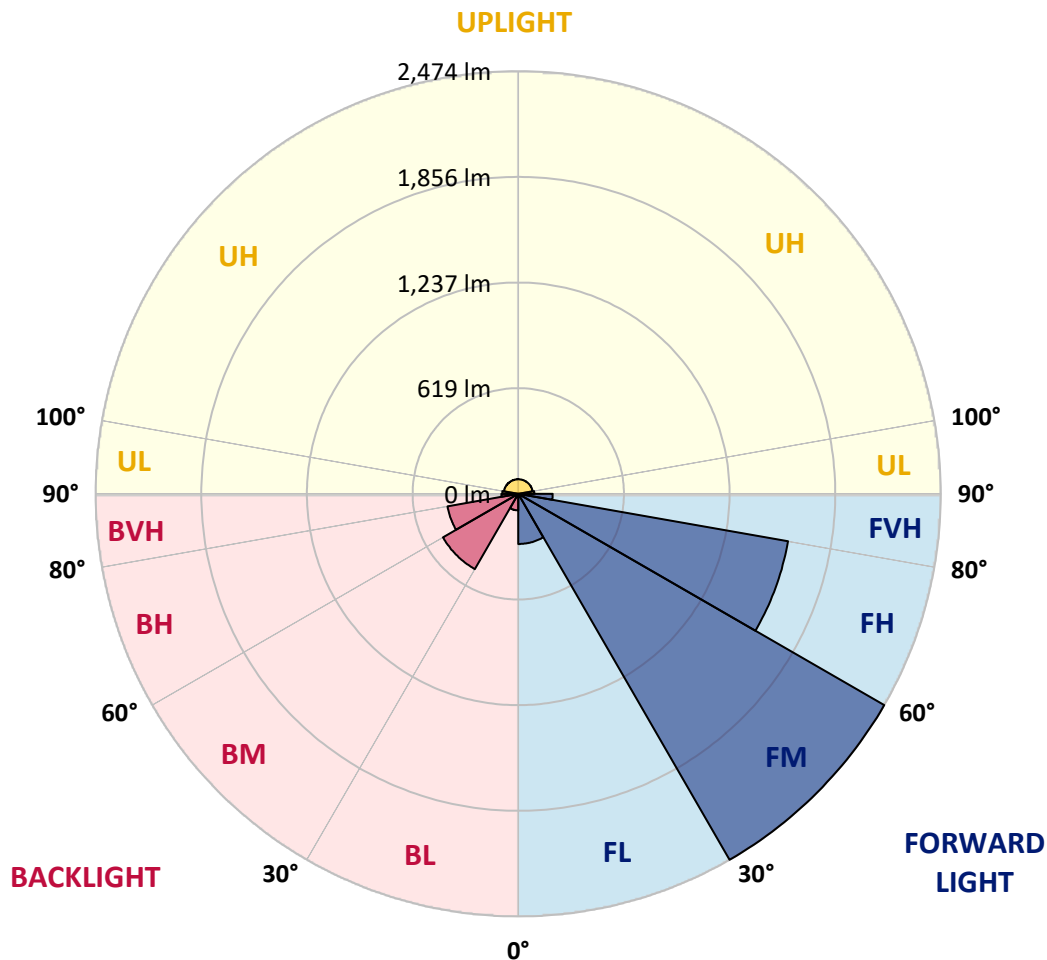
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.8	5.0			
FM (30°-60°)	2474.2	42.1			
FH (60°-80°)	1603.8	27.3			G1/1800
FVH (80°-90°)	201.8	3.4			G2/225
BL (0°-30°)	96.9	1.6	B0/110		
BM (30°-60°)	509.2	8.7	B1/1000		
BH (60°-80°)	420.5	7.2	B1/500		G1/500
BVH (80°-90°)	98.9	1.7			G1/100
UL (90°-100°)	93.8	1.6		U3/500	
UH (100°-180°)	85.2	1.4		U3/500	

**BUG Rating: B1-U3-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4
2.5°	228.2	230.3	228.2	226.0	223.8	221.6	217.3	215.1	210.8	210.8	206.4
5°	265.1	265.1	265.1	258.6	254.2	249.9	239.0	230.3	221.6	219.5	212.9
7.5°	310.7	306.4	304.2	297.7	289.0	280.3	265.1	249.9	236.8	234.7	221.6
10°	365.0	362.9	360.7	352.0	336.8	321.6	299.9	280.3	258.6	256.4	234.7
12.5°	438.9	436.7	428.1	417.2	395.5	371.6	345.5	321.6	293.3	291.2	260.7
15°	519.3	521.5	515.0	493.2	471.5	438.9	408.5	380.3	349.8	341.1	302.0
17.5°	641.0	638.8	623.6	586.7	560.6	525.8	486.7	449.8	412.8	406.3	356.4
20°	773.5	777.9	756.2	704.0	662.7	621.4	588.9	534.5	497.6	493.2	423.7
22.5°	943.0	953.9	908.3	856.1	786.6	738.8	706.2	654.0	601.9	601.9	512.8
25°	1164.7	1169.0	1108.2	1023.4	936.5	862.6	834.4	801.8	741.0	732.3	628.0
27.5°	1392.8	1405.9	1334.1	1223.3	1093.0	1003.9	986.5	969.1	895.2	893.1	747.5
30°	1747.0	1740.5	1618.8	1460.2	1271.1	1153.8	1142.9	1162.5	1093.0	1084.3	903.9
32.5°	2068.6	2057.7	1927.3	1718.7	1460.2	1321.1	1303.7	1368.9	1321.1	1318.9	1082.1
35°	2333.7	2318.5	2201.1	1966.5	1664.4	1475.4	1486.2	1594.9	1571.0	1560.1	1245.1
37.5°	2457.5	2483.6	2383.6	2155.5	1840.4	1634.0	1684.0	1844.8	1823.0	1807.8	1423.2
40°	2542.3	2577.0	2472.7	2257.6	1962.1	1775.2	1855.6	2051.2	2005.6	1986.0	1499.3
42.5°	2572.7	2600.9	2531.4	2316.3	2036.0	1881.7	1988.2	2203.3	2175.1	2142.5	1607.9
45°	2553.1	2587.9	2533.6	2342.4	2072.9	1946.9	2086.0	2396.7	2418.4	2392.3	1762.2
47.5°	2477.1	2516.2	2496.6	2342.4	2083.8	1979.5	2203.3	2642.2	2692.2	2679.2	1931.7
50°	2272.8	2316.3	2351.1	2296.7	2072.9	1990.4	2333.7	2885.6	3033.3	3024.6	2166.4
52.5°	2107.7	2142.5	2155.5	2153.3	2031.6	2005.6	2457.5	3202.8	3389.7	3376.7	2377.1
55°	1886.1	1907.8	1970.8	1955.6	1894.8	1983.8	2551.0	3435.3	3711.3	3696.1	2618.3
57.5°	1503.6	1540.6	1657.9	1781.8	1725.3	1912.1	2592.2	3646.1	4141.5	4122.0	2896.4
60°	1279.8	1290.7	1358.0	1475.4	1553.6	1768.7	2577.0	3863.4	4400.1	4382.7	3022.5
62.5°	1043.0	1049.5	1134.2	1234.2	1345.0	1610.1	2487.9	3876.4	4567.4	4576.1	3146.3
65°	832.2	830.0	880.0	1023.4	1125.6	1412.4	2294.6	3789.5	4610.8	4626.1	3170.2
67.5°	634.5	654.0	719.2	793.1	932.2	1184.2	2018.6	3561.3	4493.5	4497.9	3072.5
70°	436.7	445.4	506.3	623.6	727.9	982.1	1714.4	3209.3	4198.0	4198.0	2794.3
72.5°	315.1	325.9	356.4	432.4	562.8	769.2	1416.7	2755.2	3537.4	3502.7	2340.2
75°	234.7	236.8	265.1	310.7	397.6	599.7	1101.6	2166.4	2872.5	2883.4	1923.0
77.5°	182.5	184.7	197.7	230.3	291.2	436.7	819.2	1670.9	2238.1	2242.4	1484.1
80°	152.1	154.3	160.8	178.2	217.3	312.9	601.9	1258.1	1729.6	1731.8	1156.0
82.5°	126.0	128.2	134.7	145.6	169.5	232.5	432.4	962.6	1310.2	1327.6	867.0
85°	106.5	108.6	113.0	121.7	139.1	180.3	312.9	691.0	923.5	917.0	599.7
87.5°	86.9	86.9	93.4	100.0	113.0	145.6	230.3	473.7	625.8	619.3	417.2
90°	65.2	67.4	71.7	80.4	93.4	115.2	167.3	310.7	388.9	388.9	265.1
92.5°	47.8	47.8	54.3	63.0	73.9	93.4	121.7	197.7	232.5	234.7	171.7
95°	34.8	34.8	39.1	43.5	56.5	73.9	89.1	121.7	143.4	139.1	117.3
97.5°	28.2	28.2	30.4	34.8	43.5	58.7	69.5	86.9	95.6	95.6	86.9
100°	23.9	23.9	26.1	26.1	34.8	47.8	56.5	63.0	69.5	71.7	69.5
102.5°	19.6	21.7	21.7	21.7	28.2	41.3	45.6	50.0	54.3	54.3	54.3
105°	17.4	17.4	19.6	19.6	23.9	34.8	39.1	41.3	43.5	43.5	43.5
107.5°	15.2	15.2	17.4	17.4	21.7	30.4	32.6	32.6	34.8	34.8	34.8
110°	15.2	15.2	15.2	15.2	19.6	26.1	26.1	26.1	26.1	26.1	28.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	13.0	13.0	15.2	15.2	17.4	23.9	23.9	21.7	21.7	21.7	26.1
115°	13.0	13.0	13.0	15.2	17.4	19.6	19.6	19.6	19.6	19.6	21.7
117.5°	13.0	13.0	13.0	15.2	15.2	19.6	17.4	17.4	17.4	17.4	19.6
120°	13.0	13.0	13.0	13.0	15.2	17.4	17.4	15.2	15.2	15.2	17.4
122.5°	13.0	13.0	13.0	13.0	15.2	15.2	15.2	13.0	13.0	13.0	17.4
125°	13.0	13.0	15.2	15.2	15.2	15.2	15.2	13.0	13.0	13.0	15.2
127.5°	15.2	15.2	15.2	15.2	13.0	15.2	13.0	13.0	13.0	13.0	15.2
130°	17.4	17.4	17.4	15.2	13.0	13.0	13.0	13.0	13.0	13.0	15.2
132.5°	17.4	17.4	17.4	15.2	13.0	13.0	10.9	10.9	13.0	13.0	13.0
135°	17.4	17.4	15.2	13.0	13.0	10.9	10.9	10.9	10.9	10.9	13.0
137.5°	15.2	15.2	15.2	13.0	10.9	10.9	8.7	8.7	10.9	10.9	10.9
140°	13.0	13.0	13.0	10.9	8.7	8.7	6.5	6.5	8.7	8.7	8.7
142.5°	10.9	10.9	10.9	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7
145°	8.7	8.7	8.7	6.5	6.5	6.5	4.3	4.3	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	6.5	6.5	6.5	4.3	4.3	4.3	2.2	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°	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4
2.5°	206.4	204.3	199.9	197.7	193.4	191.2	189.0	186.9	189.0	186.9	186.9
5°	208.6	204.3	195.6	186.9	180.3	176.0	171.7	167.3	167.3	165.1	163.0
7.5°	212.9	206.4	191.2	180.3	167.3	158.6	152.1	147.8	145.6	143.4	143.4
10°	223.8	212.9	193.4	173.8	158.6	145.6	136.9	132.5	128.2	128.2	128.2
12.5°	245.5	232.5	202.1	173.8	152.1	136.9	126.0	121.7	121.7	121.7	121.7
15°	282.5	260.7	221.6	184.7	154.3	132.5	126.0	128.2	132.5	136.9	134.7
17.5°	328.1	302.0	247.7	199.9	163.0	143.4	139.1	145.6	152.1	156.4	158.6
20°	384.6	345.5	276.0	215.1	178.2	165.1	160.8	167.3	176.0	182.5	182.5
22.5°	458.5	406.3	312.9	236.8	199.9	186.9	182.5	189.0	199.9	206.4	206.4
25°	551.9	480.2	358.5	265.1	223.8	204.3	204.3	212.9	228.2	236.8	239.0
27.5°	656.2	558.4	399.8	299.9	249.9	223.8	226.0	243.4	260.7	273.8	273.8
30°	769.2	651.9	447.6	330.3	269.4	243.4	245.5	267.3	291.2	308.5	306.4
32.5°	903.9	749.6	497.6	360.7	289.0	258.6	265.1	297.7	325.9	347.7	345.5
35°	1040.8	834.4	530.2	388.9	306.4	271.6	282.5	323.8	356.4	375.9	375.9
37.5°	1147.3	903.9	549.7	404.2	321.6	282.5	295.5	341.1	375.9	393.3	391.1
40°	1184.2	903.9	534.5	406.3	328.1	291.2	306.4	349.8	380.3	391.1	384.6
42.5°	1240.7	921.3	512.8	393.3	330.3	297.7	310.7	349.8	369.4	371.6	367.2
45°	1321.1	949.5	497.6	384.6	325.9	299.9	310.7	343.3	367.2	373.7	369.4
47.5°	1423.2	977.8	480.2	380.3	325.9	299.9	310.7	349.8	373.7	373.7	369.4
50°	1553.6	1023.4	471.5	382.4	332.5	302.0	317.2	358.5	380.3	375.9	373.7
52.5°	1653.6	1034.3	456.3	388.9	339.0	306.4	323.8	367.2	386.8	378.1	375.9
55°	1783.9	1060.4	438.9	388.9	349.8	317.2	332.5	375.9	391.1	380.3	378.1
57.5°	1918.7	1088.6	436.7	386.8	354.2	325.9	341.1	382.4	395.5	386.8	384.6
60°	1955.6	1056.0	423.7	393.3	356.4	334.6	347.7	388.9	408.5	404.2	404.2
62.5°	1986.0	1029.9	408.5	391.1	362.9	334.6	354.2	399.8	430.2	430.2	430.2
65°	1964.3	980.0	391.1	382.4	360.7	336.8	362.9	412.8	443.3	452.0	454.1
67.5°	1873.0	910.4	373.7	369.4	349.8	336.8	365.0	412.8	449.8	462.8	462.8
70°	1677.5	795.3	343.3	343.3	334.6	323.8	358.5	406.3	436.7	452.0	452.0
72.5°	1405.9	658.4	297.7	308.5	306.4	304.2	341.1	384.6	404.2	417.2	415.0
75°	1119.0	530.2	258.6	262.9	267.3	273.8	312.9	347.7	354.2	365.0	362.9
77.5°	877.8	423.7	219.5	223.8	228.2	243.4	280.3	302.0	306.4	312.9	310.7
80°	686.6	347.7	189.0	189.0	195.6	210.8	241.2	260.7	269.4	273.8	267.3
82.5°	534.5	284.6	167.3	160.8	167.3	180.3	204.3	221.6	228.2	228.2	226.0
85°	380.3	228.2	147.8	139.1	141.2	154.3	176.0	186.9	191.2	189.0	184.7
87.5°	278.1	186.9	130.4	117.3	119.5	136.9	152.1	158.6	160.8	163.0	158.6
90°	195.6	149.9	113.0	97.8	97.8	115.2	130.4	132.5	134.7	134.7	132.5
92.5°	139.1	117.3	93.4	80.4	80.4	95.6	106.5	104.3	106.5	104.3	100.0
95°	102.1	91.3	78.2	65.2	63.0	73.9	78.2	76.1	78.2	76.1	76.1
97.5°	80.4	73.9	65.2	54.3	50.0	56.5	58.7	58.7	63.0	58.7	58.7
100°	65.2	60.8	56.5	45.6	41.3	45.6	47.8	50.0	52.1	50.0	50.0
102.5°	54.3	52.1	47.8	41.3	36.9	39.1	41.3	43.5	45.6	45.6	43.5
105°	43.5	43.5	41.3	34.8	32.6	32.6	34.8	36.9	41.3	41.3	41.3
107.5°	34.8	36.9	34.8	30.4	28.2	28.2	30.4	32.6	34.8	36.9	36.9
110°	30.4	30.4	30.4	26.1	26.1	26.1	26.1	28.2	32.6	34.8	34.8

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	26.1	26.1	23.9	23.9	23.9	23.9	23.9	28.2	30.4	32.6
115°	23.9	23.9	23.9	21.7	21.7	21.7	21.7	21.7	26.1	28.2	28.2
117.5°	21.7	21.7	21.7	19.6	19.6	19.6	19.6	19.6	21.7	26.1	26.1
120°	19.6	19.6	19.6	17.4	17.4	17.4	17.4	17.4	19.6	23.9	23.9
122.5°	17.4	17.4	17.4	17.4	15.2	15.2	15.2	15.2	17.4	21.7	21.7
125°	15.2	17.4	15.2	15.2	15.2	15.2	13.0	15.2	17.4	19.6	19.6
127.5°	15.2	15.2	15.2	15.2	13.0	13.0	13.0	13.0	15.2	17.4	17.4
130°	15.2	15.2	15.2	13.0	13.0	10.9	10.9	13.0	13.0	15.2	15.2
132.5°	13.0	13.0	13.0	13.0	10.9	10.9	10.9	10.9	13.0	13.0	13.0
135°	13.0	13.0	10.9	10.9	10.9	8.7	8.7	8.7	10.9	13.0	13.0
137.5°	10.9	10.9	10.9	10.9	8.7	8.7	8.7	8.7	10.9	10.9	10.9
140°	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5	8.7	8.7	8.7
142.5°	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7	8.7	8.7
145°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	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)