

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: P695314

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2R-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-727-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4666 lumens  
Efficiency: N/A  
Efficacy: 87.9 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

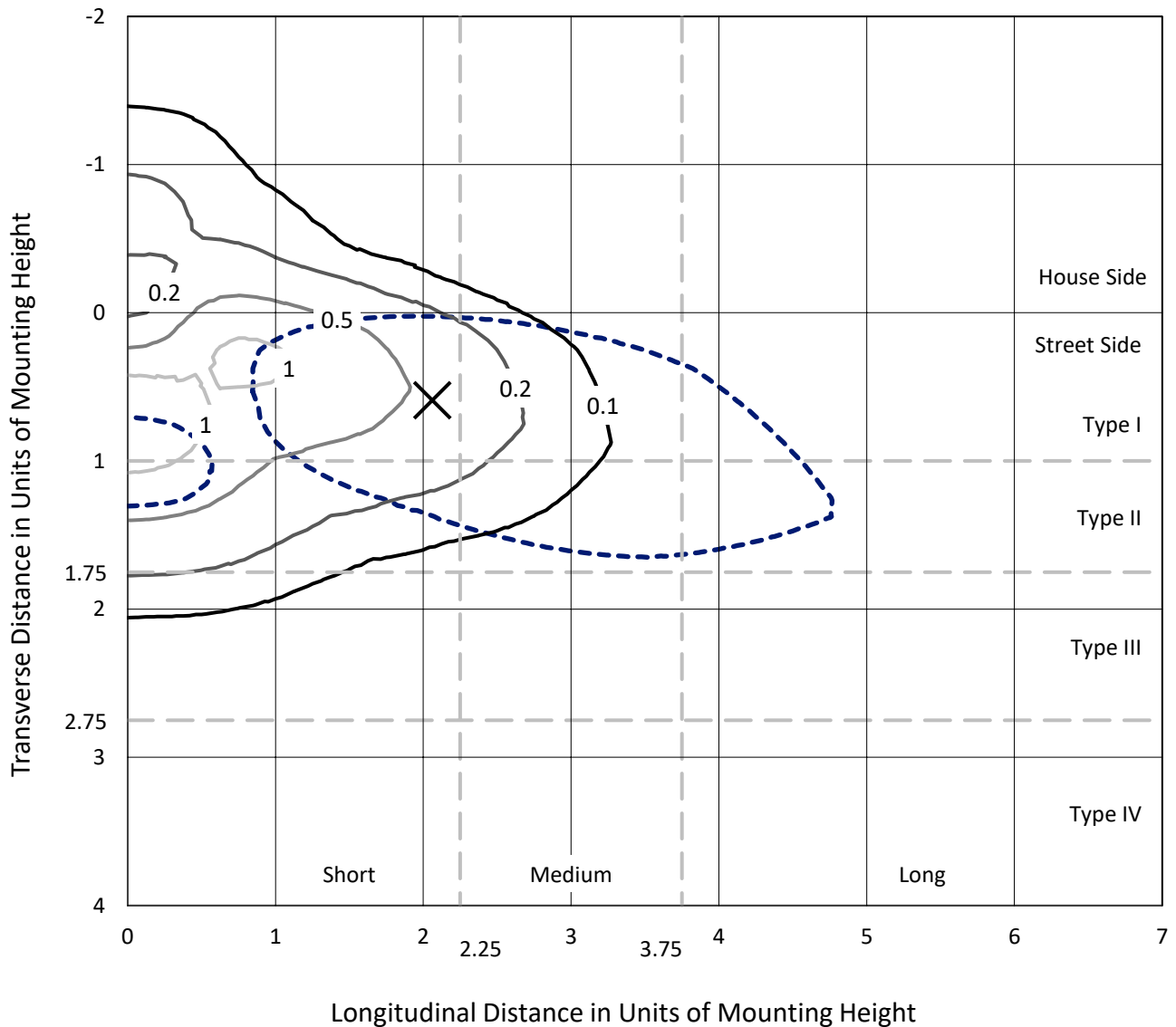
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

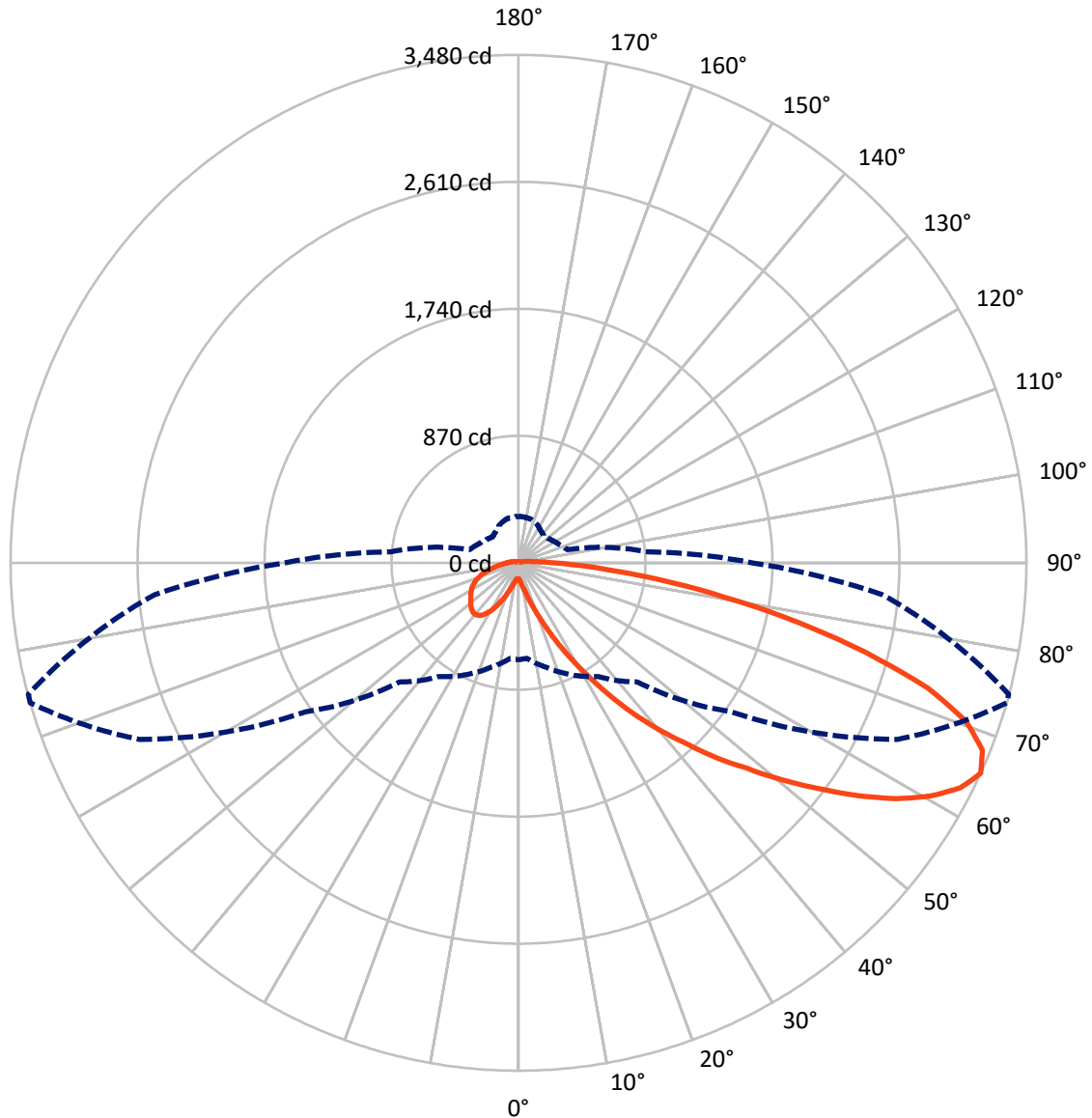
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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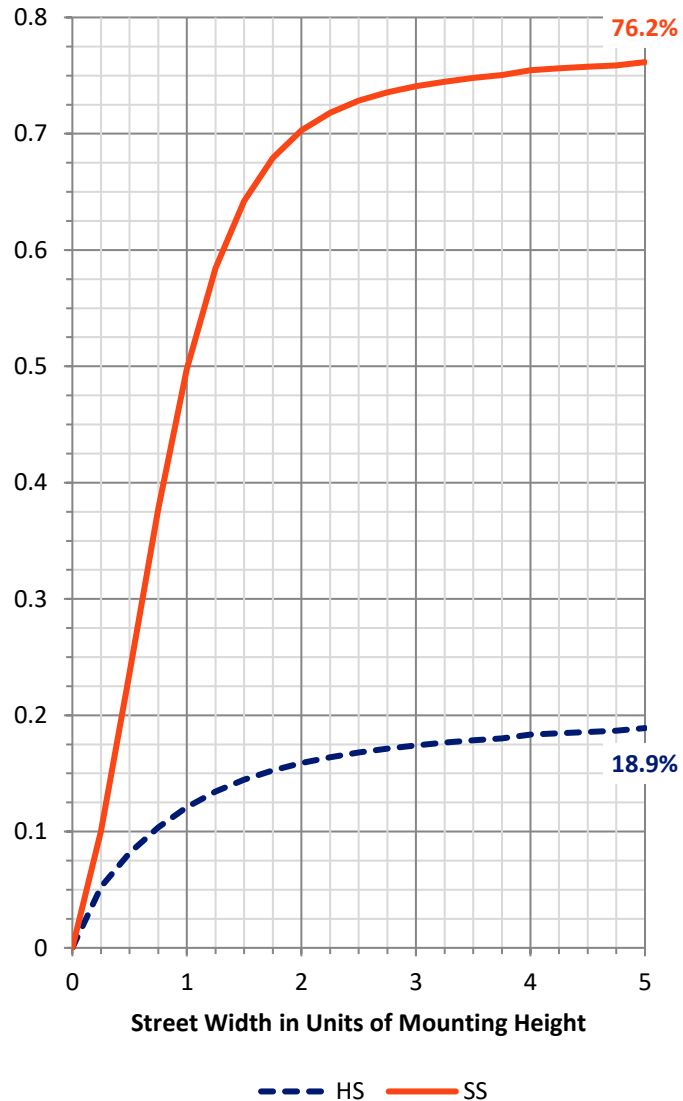
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	925.8	75.5	1001.3
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	3597.1	67.6	3664.7
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	4522.9	143.1	4666.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	0.3
10°-20°	67.2	1.4
20°-30°	223.6	4.8
30°-40°	512.5	11.0
40°-50°	820.3	17.6
50°-60°	1018.2	21.8
60°-70°	988.2	21.2
70°-80°	644.5	13.8
80°-90°	235.6	5.1
90°-100°	70.3	1.5
100°-110°	32.5	0.7
110°-120°	18.0	0.4
120°-130°	11.3	0.2
130°-140°	7.1	0.2
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4522.9	96.9
0°-180°	4666.0	100.0

**Coefficient of Utilization**

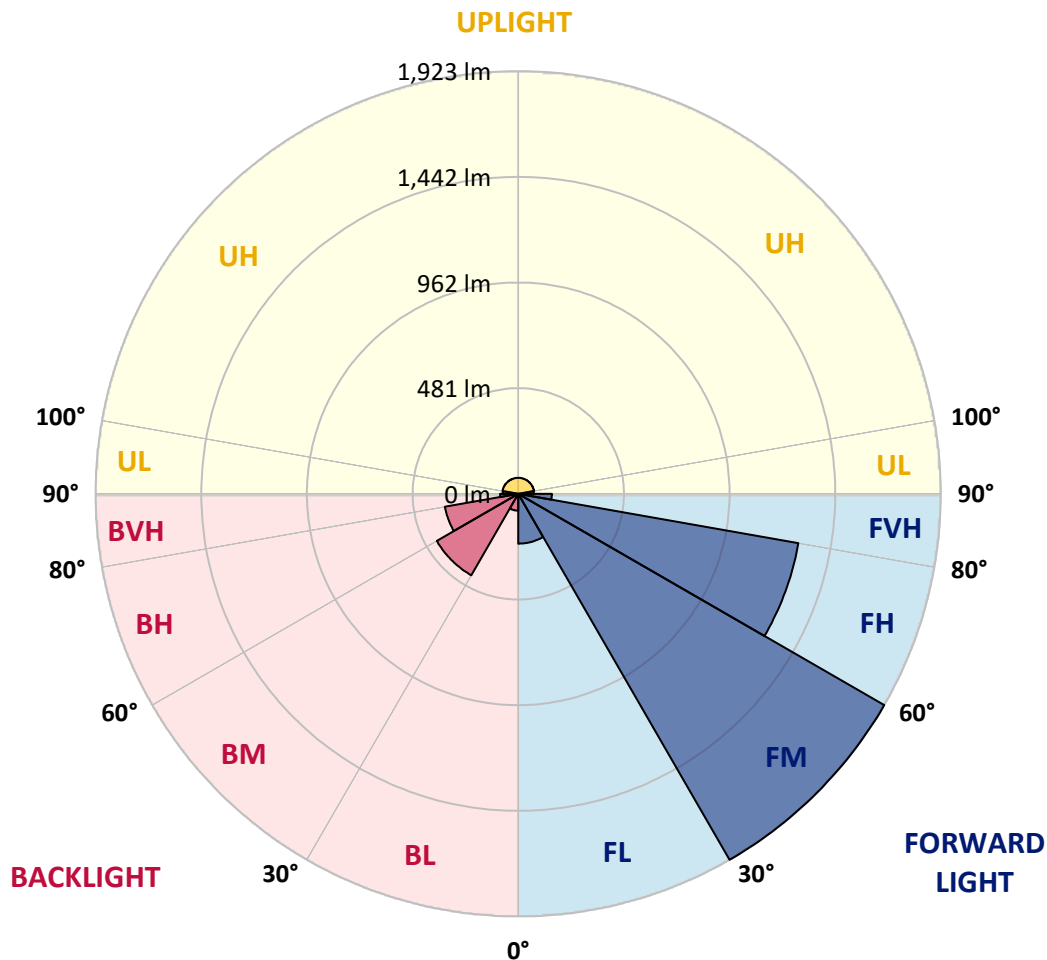


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.8	4.9			
FM (30°-60°)	1923.1	41.2			
FH (60°-80°)	1294.2	27.7			G1/1800
FVH (80°-90°)	153.0	3.3			G2/225
BL (0°-30°)	76.7	1.6	B0/110		
BM (30°-60°)	428.0	9.2	B1/1000		
BH (60°-80°)	338.5	7.3	B1/500		G1/500
BVH (80°-90°)	82.6	1.8			G1/100
UL (90°-100°)	70.3	1.5		U3/500	
UH (100°-180°)	72.7	1.6		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°	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7
2.5°	126.3	128.0	128.0	126.3	124.5	124.5	121.1	117.6	115.9	115.9	114.2
5°	154.0	155.7	155.7	152.2	147.0	145.3	138.4	133.2	128.0	128.0	121.1
7.5°	193.7	195.5	192.0	188.5	181.6	174.7	166.1	155.7	145.3	143.6	134.9
10°	240.4	245.6	242.2	233.5	223.1	214.5	200.7	183.4	173.0	169.5	154.0
12.5°	313.1	309.6	301.0	292.3	280.2	262.9	243.9	223.1	202.4	204.1	183.4
15°	387.5	394.4	382.3	366.7	342.5	323.5	297.5	275.0	252.5	249.1	221.4
17.5°	496.4	494.7	480.9	449.7	413.4	394.4	366.7	339.0	313.1	304.4	268.1
20°	624.5	622.7	595.0	555.3	520.7	482.6	444.6	415.1	384.0	377.1	330.4
22.5°	776.7	769.8	740.3	683.3	624.5	577.7	538.0	515.5	474.0	467.0	403.0
25°	953.1	937.5	904.7	828.6	738.6	685.0	648.7	622.7	582.9	574.3	491.3
27.5°	1148.6	1138.2	1077.7	977.3	870.1	787.1	761.1	743.8	710.9	700.6	589.9
30°	1331.9	1335.4	1269.7	1143.4	1006.7	906.4	887.4	889.1	845.9	837.2	705.8
32.5°	1549.9	1536.0	1451.3	1306.0	1134.7	1031.0	1013.7	1037.9	1001.5	994.6	832.0
35°	1722.9	1733.2	1643.3	1463.4	1264.5	1145.1	1152.0	1191.8	1171.1	1160.7	944.5
37.5°	1888.9	1880.3	1774.8	1596.6	1376.9	1252.4	1278.3	1366.5	1345.8	1333.7	1077.7
40°	1999.6	1989.3	1897.6	1705.6	1479.0	1351.0	1401.1	1532.6	1523.9	1518.8	1191.8
42.5°	2051.5	2037.7	1963.3	1781.7	1553.3	1428.8	1527.4	1702.1	1700.4	1695.2	1323.3
45°	2039.4	2030.8	1973.7	1826.7	1601.8	1501.5	1639.8	1878.5	1909.7	1885.5	1444.4
47.5°	1985.8	1977.1	1937.4	1826.7	1627.7	1546.4	1740.2	2063.6	2103.4	2080.9	1579.3
50°	1878.5	1875.1	1864.7	1783.4	1624.3	1582.8	1837.0	2231.4	2338.7	2316.2	1733.2
52.5°	1728.1	1726.3	1743.6	1705.6	1591.4	1587.9	1913.1	2425.2	2568.7	2544.5	1883.7
55°	1551.6	1551.6	1581.0	1584.5	1527.4	1568.9	1972.0	2580.8	2816.1	2781.5	2048.1
57.5°	1326.7	1333.7	1399.4	1442.6	1421.9	1513.6	1992.7	2729.6	3049.6	3027.1	2217.6
60°	1103.6	1107.1	1183.2	1255.8	1292.1	1435.7	1973.7	2831.7	3245.1	3236.4	2354.2
62.5°	870.1	873.5	953.1	1058.6	1129.5	1307.7	1902.8	2878.4	3397.3	3392.1	2454.6
65°	664.2	657.3	742.1	845.9	951.4	1155.5	1779.9	2864.5	3480.3	3476.9	2503.0
67.5°	477.4	491.3	555.3	655.6	762.8	992.9	1610.4	2729.6	3428.4	3431.9	2451.1
70°	346.0	368.4	413.4	489.5	600.2	816.5	1406.3	2504.7	3252.0	3272.8	2304.1
72.5°	266.4	268.1	304.4	365.0	453.2	646.9	1164.1	2198.6	2932.0	2938.9	2049.8
75°	207.6	212.8	237.0	280.2	347.7	501.6	944.5	1819.7	2458.0	2497.8	1738.4
77.5°	169.5	171.2	190.3	216.2	266.4	378.8	705.8	1435.7	1954.7	1958.1	1356.2
80°	133.2	140.1	155.7	173.0	207.6	283.7	518.9	1051.7	1437.5	1415.0	960.0
82.5°	102.1	107.2	119.4	138.4	157.4	212.8	371.9	742.1	987.7	970.4	657.3
85°	76.1	79.6	91.7	107.2	124.5	162.6	259.5	479.2	612.3	593.3	399.6
87.5°	53.6	55.4	65.7	79.6	95.1	122.8	179.9	294.1	368.4	361.5	247.4
90°	36.3	38.1	46.7	58.8	74.4	95.1	129.7	183.4	214.5	214.5	157.4
92.5°	25.9	27.7	34.6	45.0	58.8	76.1	95.1	119.4	131.5	129.7	107.2
95°	20.8	20.8	27.7	36.3	48.4	62.3	72.7	81.3	88.2	88.2	81.3
97.5°	17.3	17.3	24.2	31.1	41.5	51.9	58.8	60.5	64.0	64.0	60.5
100°	15.6	15.6	20.8	27.7	34.6	43.2	48.4	46.7	48.4	50.2	46.7
102.5°	13.8	13.8	19.0	24.2	31.1	38.1	39.8	38.1	38.1	38.1	36.3
105°	12.1	12.1	17.3	22.5	27.7	32.9	34.6	31.1	29.4	29.4	29.4
107.5°	10.4	10.4	15.6	19.0	24.2	29.4	29.4	27.7	24.2	24.2	22.5
110°	10.4	10.4	13.8	17.3	22.5	25.9	25.9	22.5	19.0	19.0	19.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	8.6	8.6	12.1	17.3	20.8	22.5	22.5	19.0	17.3	15.6	15.6
115°	8.6	8.6	12.1	15.6	19.0	20.8	20.8	17.3	13.8	13.8	13.8
117.5°	8.6	8.6	10.4	13.8	17.3	19.0	17.3	15.6	12.1	12.1	12.1
120°	8.6	8.6	10.4	12.1	15.6	17.3	17.3	13.8	10.4	10.4	12.1
122.5°	8.6	8.6	10.4	12.1	13.8	15.6	15.6	12.1	10.4	10.4	10.4
125°	8.6	8.6	10.4	12.1	13.8	15.6	13.8	12.1	8.6	8.6	10.4
127.5°	8.6	8.6	10.4	10.4	12.1	13.8	12.1	10.4	8.6	8.6	10.4
130°	8.6	8.6	10.4	10.4	12.1	12.1	12.1	8.6	8.6	8.6	8.6
132.5°	10.4	10.4	10.4	10.4	10.4	12.1	10.4	8.6	6.9	6.9	8.6
135°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.6	6.9	6.9	8.6
137.5°	8.6	10.4	8.6	8.6	8.6	10.4	8.6	6.9	6.9	6.9	6.9
140°	8.6	8.6	8.6	8.6	8.6	8.6	6.9	5.2	6.9	6.9	6.9
142.5°	8.6	8.6	8.6	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9
145°	6.9	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2
147.5°	6.9	6.9	6.9	5.2	5.2	5.2	3.5	3.5	3.5	3.5	5.2
150°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7
2.5°	112.4	110.7	109.0	107.2	103.8	102.1	102.1	100.3	100.3	100.3	100.3
5°	117.6	115.9	110.7	105.5	100.3	96.9	93.4	93.4	91.7	89.9	89.9
7.5°	129.7	124.5	115.9	107.2	102.1	95.1	91.7	88.2	86.5	86.5	86.5
10°	147.0	140.1	126.3	114.2	105.5	96.9	91.7	88.2	86.5	84.8	84.8
12.5°	171.2	162.6	141.8	126.3	110.7	102.1	95.1	91.7	89.9	89.9	89.9
15°	205.8	192.0	166.1	140.1	122.8	107.2	103.8	103.8	105.5	105.5	105.5
17.5°	250.8	230.1	190.3	157.4	134.9	121.1	115.9	117.6	121.1	121.1	121.1
20°	299.3	275.0	221.4	179.9	150.5	138.4	131.5	134.9	140.1	143.6	143.6
22.5°	366.7	332.1	259.5	204.1	169.5	154.0	150.5	154.0	162.6	166.1	166.1
25°	444.6	392.7	299.3	230.1	190.3	173.0	169.5	174.7	185.1	193.7	193.7
27.5°	525.9	460.1	342.5	256.0	209.3	188.5	186.8	195.5	209.3	218.0	219.7
30°	619.3	529.3	382.3	282.0	228.3	204.1	204.1	218.0	233.5	245.6	247.4
32.5°	710.9	602.0	416.9	304.4	245.6	218.0	219.7	237.0	257.7	268.1	271.6
35°	804.4	664.2	448.0	323.5	257.7	230.1	233.5	256.0	276.8	288.9	288.9
37.5°	894.3	721.3	463.6	333.8	268.1	238.7	245.6	271.6	292.3	302.7	304.4
40°	980.8	764.6	474.0	340.8	275.0	247.4	254.3	282.0	304.4	314.8	314.8
42.5°	1056.9	800.9	475.7	342.5	280.2	252.5	262.9	290.6	311.4	318.3	320.0
45°	1134.7	832.0	467.0	339.0	283.7	257.7	266.4	295.8	314.8	320.0	321.7
47.5°	1205.7	858.0	456.7	335.6	285.4	259.5	269.8	299.3	316.6	318.3	320.0
50°	1288.7	878.7	441.1	330.4	287.1	261.2	271.6	299.3	316.6	316.6	316.6
52.5°	1368.3	896.0	425.5	325.2	287.1	261.2	271.6	301.0	316.6	314.8	314.8
55°	1454.7	911.6	410.0	321.7	285.4	261.2	271.6	301.0	314.8	313.1	314.8
57.5°	1522.2	918.5	397.9	318.3	285.4	259.5	269.8	299.3	313.1	313.1	313.1
60°	1581.0	916.8	382.3	314.8	283.7	257.7	269.8	297.5	313.1	313.1	313.1
62.5°	1615.6	901.2	366.7	311.4	280.2	254.3	268.1	297.5	313.1	314.8	314.8
65°	1601.8	873.5	346.0	302.7	273.3	250.8	266.4	294.1	311.4	316.6	318.3
67.5°	1543.0	811.3	323.5	290.6	266.4	247.4	264.7	290.6	307.9	316.6	316.6
70°	1420.2	733.4	294.1	273.3	254.3	242.2	259.5	285.4	301.0	311.4	311.4
72.5°	1248.9	633.1	266.4	250.8	240.4	233.5	254.3	276.8	290.6	299.3	299.3
75°	1037.9	525.9	233.5	224.9	223.1	221.4	243.9	264.7	273.3	280.2	280.2
77.5°	811.3	423.8	198.9	198.9	198.9	205.8	230.1	243.9	250.8	257.7	257.7
80°	593.3	323.5	167.8	169.5	174.7	188.5	209.3	219.7	223.1	230.1	226.6
82.5°	404.8	235.3	140.1	140.1	150.5	166.1	186.8	192.0	193.7	198.9	193.7
85°	266.4	169.5	115.9	115.9	126.3	141.8	157.4	160.9	160.9	164.3	159.1
87.5°	173.0	124.5	95.1	95.1	102.1	117.6	129.7	129.7	129.7	133.2	128.0
90°	122.8	95.1	79.6	77.8	83.0	95.1	103.8	102.1	102.1	103.8	100.3
92.5°	89.9	77.8	67.5	65.7	69.2	77.8	83.0	81.3	83.0	81.3	79.6
95°	70.9	64.0	58.8	57.1	58.8	64.0	67.5	65.7	65.7	64.0	62.3
97.5°	57.1	53.6	51.9	50.2	50.2	51.9	55.4	53.6	55.4	51.9	50.2
100°	46.7	45.0	45.0	45.0	43.2	45.0	46.7	46.7	46.7	43.2	43.2
102.5°	36.3	38.1	39.8	39.8	38.1	39.8	39.8	39.8	39.8	36.3	36.3
105°	29.4	31.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6	31.1	31.1
107.5°	24.2	25.9	29.4	31.1	29.4	29.4	31.1	31.1	29.4	27.7	27.7
110°	20.8	22.5	24.2	25.9	25.9	25.9	27.7	27.7	25.9	24.2	22.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	19.0	22.5	22.5	24.2	24.2	24.2	24.2	22.5	20.8	20.8
115°	15.6	17.3	19.0	20.8	20.8	20.8	22.5	20.8	19.0	19.0	19.0
117.5°	13.8	15.6	17.3	19.0	19.0	19.0	19.0	19.0	17.3	17.3	17.3
120°	12.1	13.8	15.6	17.3	17.3	17.3	17.3	17.3	15.6	15.6	15.6
122.5°	12.1	12.1	13.8	15.6	15.6	15.6	15.6	15.6	13.8	13.8	13.8
125°	10.4	12.1	13.8	13.8	13.8	13.8	13.8	13.8	12.1	12.1	13.8
127.5°	10.4	10.4	12.1	12.1	13.8	13.8	12.1	12.1	12.1	12.1	12.1
130°	10.4	10.4	10.4	12.1	12.1	12.1	12.1	10.4	10.4	10.4	10.4
132.5°	8.6	10.4	10.4	10.4	10.4	10.4	10.4	8.6	8.6	10.4	10.4
135°	8.6	8.6	8.6	10.4	10.4	8.6	8.6	8.6	8.6	8.6	8.6
137.5°	8.6	8.6	8.6	8.6	8.6	8.6	6.9	6.9	6.9	8.6	8.6
140°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
142.5°	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9	6.9	6.9
145°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	3.5	3.5
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)