

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: P695899

Luminaire Tested: **LXF.LXT-PA16-730-U-T4W-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-730-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6529 lumens  
Efficiency: N/A  
Efficacy: 90.7 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: B2 - U3 - G3

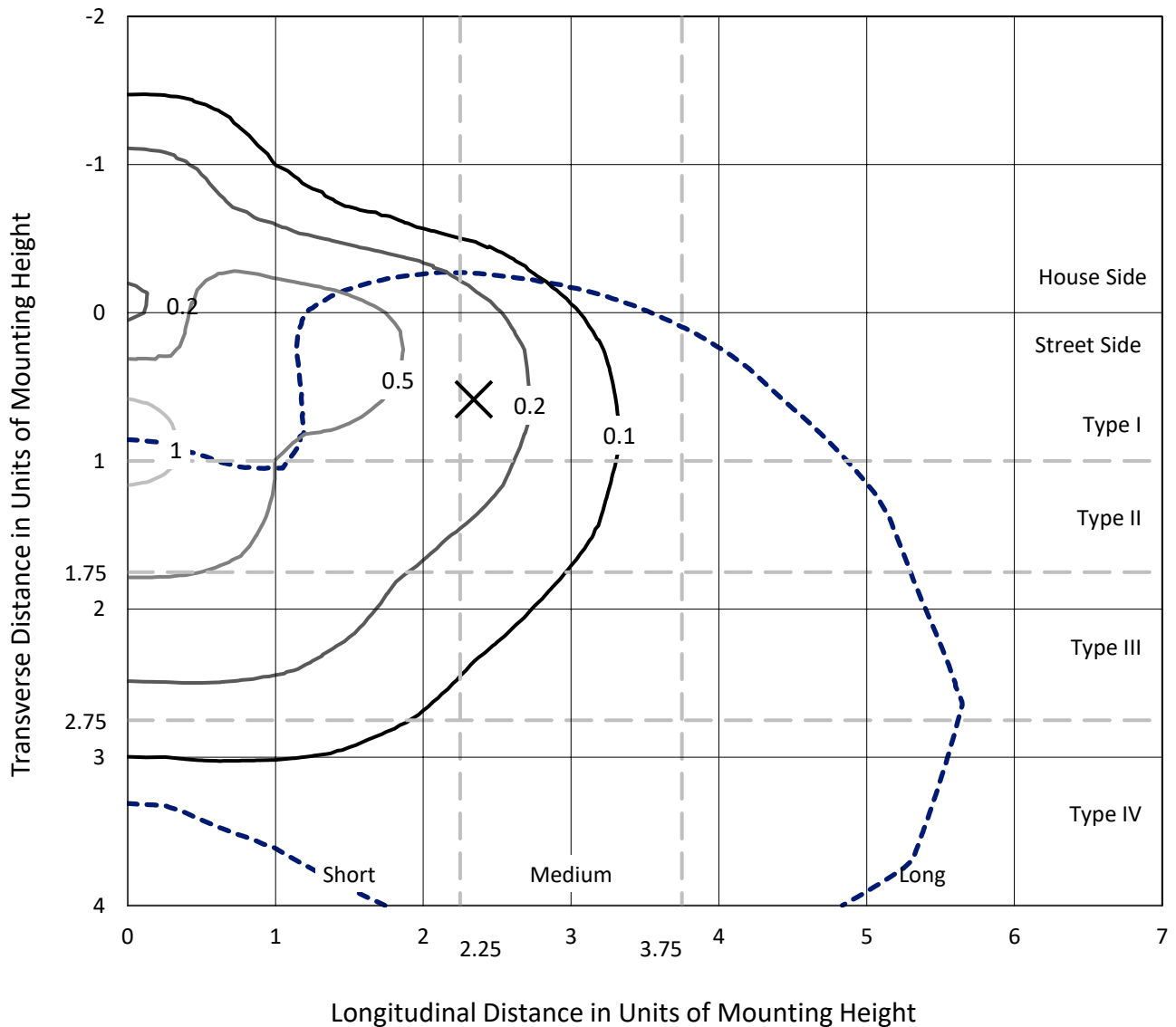
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

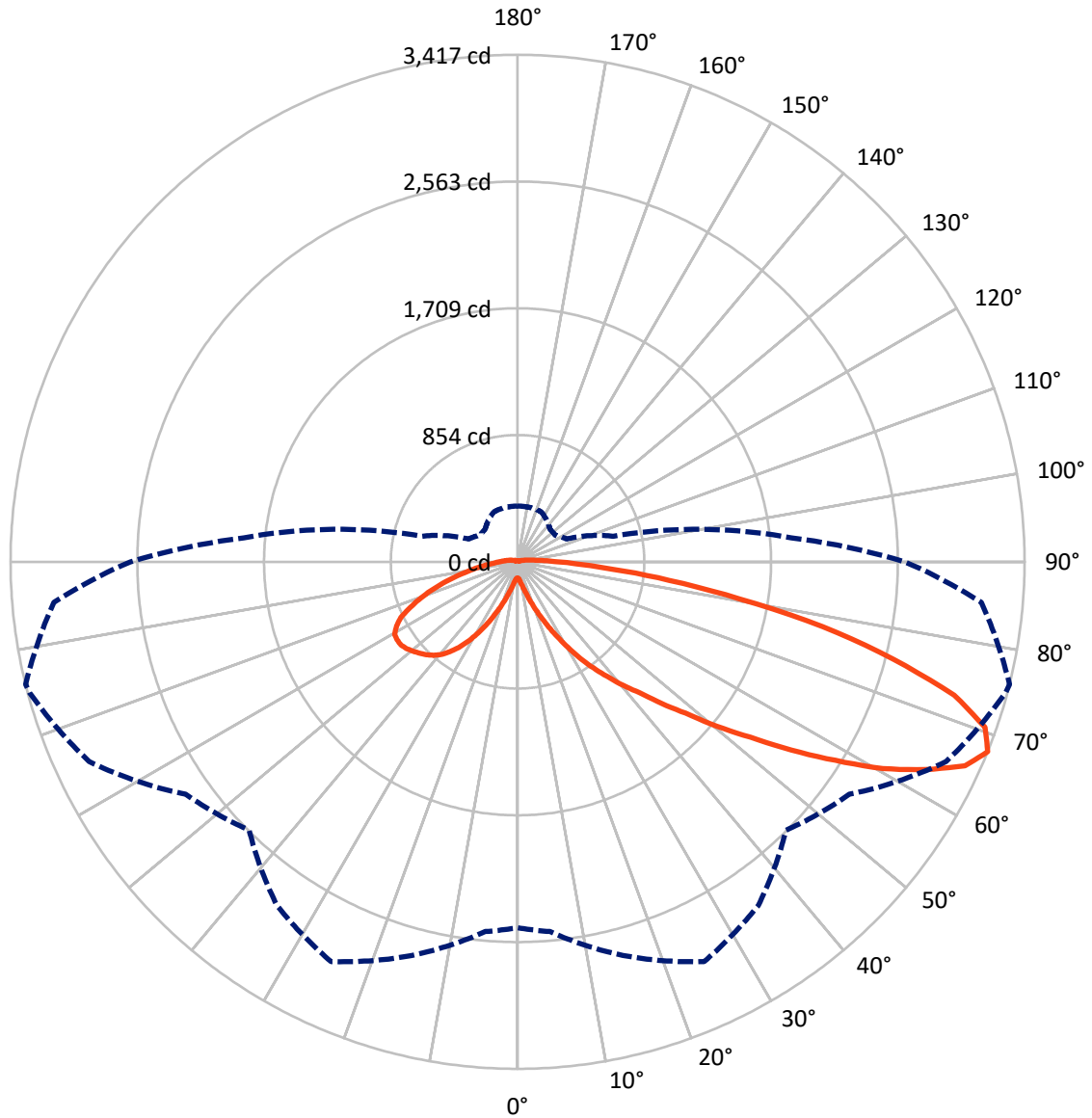
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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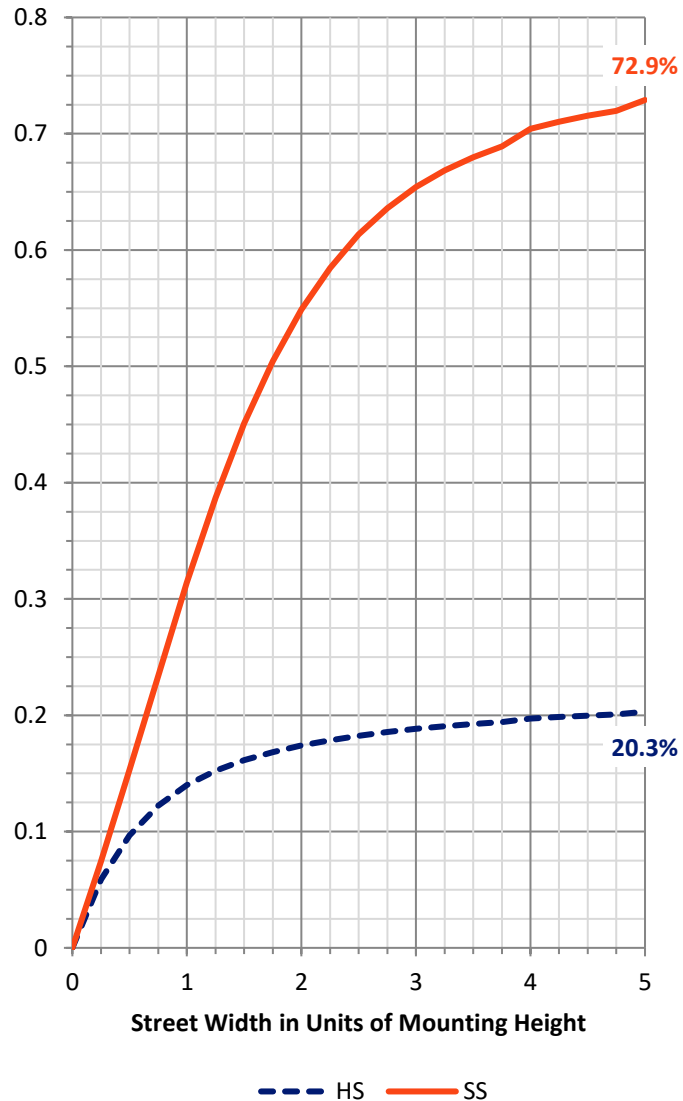
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1398.2	112.7	1511.0
	% Fixture	21.4	1.7	23.1
<b>Street Side</b>	Lumens	4904.1	114.0	5018.0
	% Fixture	75.1	1.7	76.9
<b>Total</b>	Lumens	6302.3	226.7	6529.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.4	0.2
10°-20°	64.5	1.0
20°-30°	203.7	3.1
30°-40°	454.2	7.0
40°-50°	779.5	11.9
50°-60°	1215.9	18.6
60°-70°	1664.8	25.5
70°-80°	1395.3	21.4
80°-90°	512.0	7.8
90°-100°	128.9	2.0
100°-110°	49.1	0.8
110°-120°	23.5	0.4
120°-130°	13.3	0.2
130°-140°	7.7	0.1
140°-150°	3.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6302.3	96.5
0°-180°	6529.0	100.0

**Coefficient of Utilization**



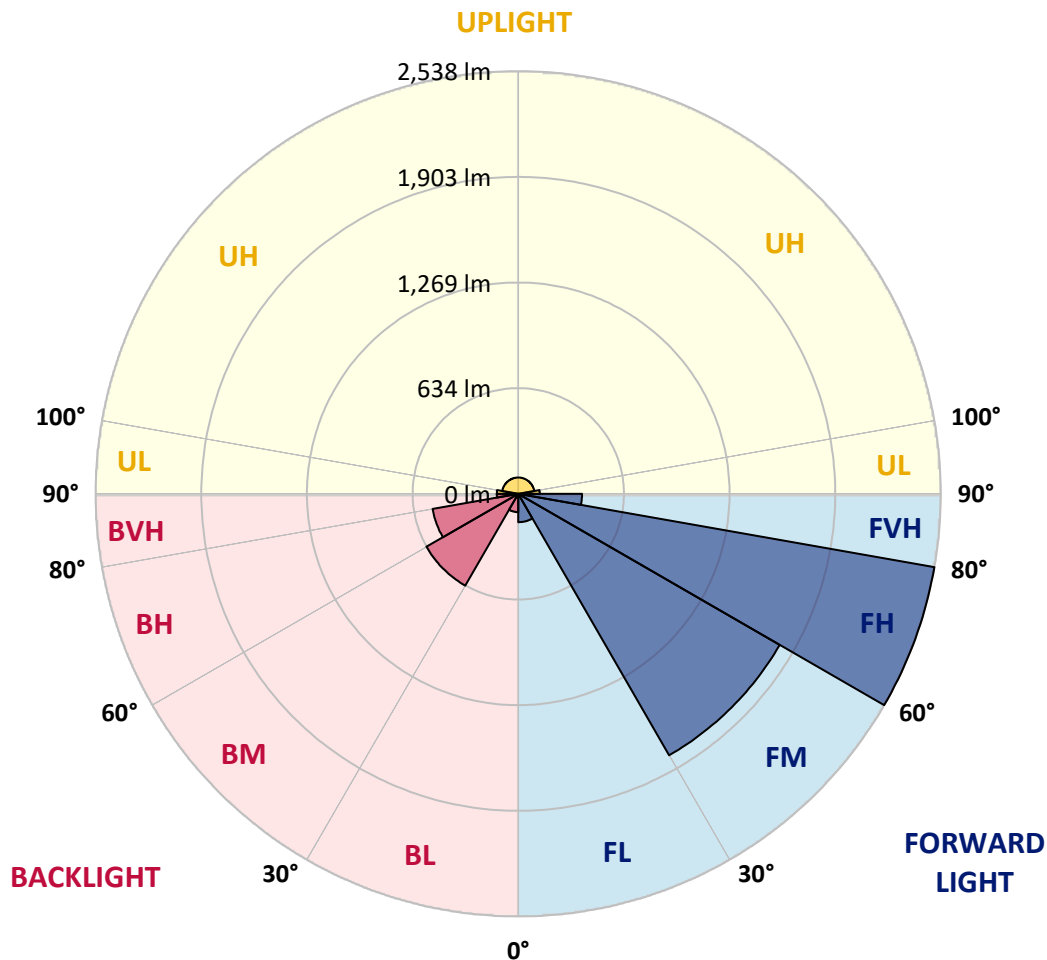
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.5	2.6			
FM (30°-60°)	1812.9	27.8			
FH (60°-80°)	2537.9	38.9			G2/5000
FVH (80°-90°)	382.8	5.9			G3/500
BL (0°-30°)	110.1	1.7	B1/500		
BM (30°-60°)	636.6	9.8	B1/1000		
BH (60°-80°)	522.3	8.0	B2/1000		G2/1000
BVH (80°-90°)	129.2	2.0			G2/225
UL (90°-100°)	128.9	2.0		U3/500	
UH (100°-180°)	97.7	1.5		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6
2.5°	115.6	115.6	115.6	115.6	118.0	115.6	115.6	113.3	113.3	110.9	110.9
5°	132.2	132.2	132.2	132.2	132.2	129.8	127.4	125.1	122.7	120.4	120.4
7.5°	155.8	155.8	155.8	153.4	151.0	148.7	146.3	141.6	136.9	136.9	132.2
10°	188.8	188.8	188.8	186.4	179.4	174.6	169.9	162.8	160.5	158.1	153.4
12.5°	233.6	233.6	228.9	224.2	214.8	207.7	200.6	193.5	191.2	188.8	181.7
15°	290.3	287.9	283.2	269.1	259.6	247.8	240.7	233.6	226.6	226.6	224.2
17.5°	358.7	356.4	344.6	325.7	311.5	292.7	283.2	278.5	278.5	276.1	271.4
20°	441.3	441.3	424.8	396.5	368.2	344.6	337.5	335.1	335.1	337.5	330.4
22.5°	547.5	545.2	521.6	474.4	434.3	403.6	396.5	396.5	403.6	403.6	401.2
25°	665.5	663.2	620.7	568.8	505.1	472.0	455.5	467.3	483.8	486.2	488.5
27.5°	809.5	800.1	750.5	670.3	587.7	535.7	523.9	542.8	575.9	573.5	578.2
30°	958.2	953.5	885.0	785.9	675.0	604.2	594.7	630.1	667.9	670.3	682.1
32.5°	1132.8	1106.9	1043.2	911.0	764.7	677.3	663.2	715.1	771.7	776.5	788.3
35°	1307.5	1305.1	1201.3	1045.5	859.1	745.8	734.0	795.3	875.6	878.0	894.5
37.5°	1484.5	1475.1	1375.9	1177.7	962.9	823.7	804.8	885.0	974.7	979.4	1003.0
40°	1670.9	1659.1	1552.9	1319.3	1071.5	908.6	887.4	981.8	1085.6	1095.1	1123.4
42.5°	1833.8	1831.4	1729.9	1475.1	1177.7	991.2	977.1	1078.6	1201.3	1206.0	1248.5
45°	2013.2	1982.5	1888.1	1630.8	1309.8	1092.7	1078.6	1203.6	1342.9	1361.8	1397.2
47.5°	2154.8	2140.6	2053.3	1800.7	1444.4	1203.6	1189.5	1338.2	1508.1	1524.6	1555.3
50°	2298.7	2282.2	2204.3	1961.2	1590.7	1333.4	1331.1	1508.1	1715.8	1741.7	1774.8
52.5°	2416.7	2407.3	2360.1	2133.5	1746.5	1463.3	1489.2	1708.7	1944.7	1963.6	1996.6
55°	2527.7	2520.6	2511.1	2324.7	1932.9	1635.5	1656.8	1932.9	2204.3	2239.7	2291.6
57.5°	2610.3	2622.1	2640.9	2511.1	2128.8	1807.8	1852.7	2206.7	2492.3	2525.3	2577.2
60°	2666.9	2685.8	2754.2	2697.6	2334.1	1999.0	2093.4	2459.2	2792.0	2829.7	2855.7
62.5°	2674.0	2704.7	2843.9	2855.7	2527.7	2199.6	2305.8	2728.3	3077.6	3084.6	3054.0
65°	2619.7	2643.3	2839.2	2952.5	2699.9	2395.5	2539.5	3004.4	3297.0	3313.6	3172.0
67.5°	2466.3	2501.7	2747.1	2973.7	2827.4	2558.3	2730.6	3186.1	3405.6	3417.4	3136.6
70°	2180.7	2244.4	2537.1	2851.0	2853.3	2648.0	2855.7	3264.0	3356.0	3341.9	2924.1
72.5°	1836.1	1852.7	2176.0	2596.1	2754.2	2645.7	2841.5	3169.6	3103.5	3077.6	2527.7
75°	1342.9	1387.7	1689.8	2202.0	2518.2	2489.9	2674.0	2888.7	2662.2	2615.0	2060.4
77.5°	908.6	955.8	1194.2	1689.8	2119.4	2211.4	2367.2	2430.9	2143.0	2102.8	1510.5
80°	571.1	604.2	771.7	1180.0	1661.5	1805.5	1923.5	1883.4	1555.3	1517.5	1073.8
82.5°	318.6	335.1	472.0	769.4	1170.6	1373.6	1465.6	1366.5	1071.5	1029.0	696.2
85°	167.6	188.8	266.7	467.3	781.2	977.1	1050.2	903.9	658.5	644.3	434.3
87.5°	92.0	101.5	153.4	280.9	483.8	663.2	696.2	568.8	408.3	389.4	276.1
90°	56.6	61.4	89.7	167.6	299.7	415.4	436.6	356.4	254.9	250.2	184.1
92.5°	37.8	40.1	61.4	108.6	188.8	266.7	280.9	221.8	167.6	162.8	132.2
95°	28.3	30.7	47.2	77.9	129.8	181.7	179.4	151.0	113.3	110.9	96.8
97.5°	23.6	26.0	40.1	61.4	94.4	122.7	122.7	99.1	82.6	82.6	75.5
100°	21.2	21.2	33.0	49.6	70.8	89.7	89.7	73.2	61.4	61.4	56.6
102.5°	18.9	18.9	28.3	42.5	56.6	70.8	68.4	56.6	47.2	47.2	44.8
105°	16.5	16.5	26.0	35.4	47.2	56.6	54.3	44.8	37.8	35.4	33.0
107.5°	14.2	14.2	21.2	30.7	42.5	47.2	44.8	37.8	28.3	28.3	26.0
110°	14.2	14.2	18.9	28.3	35.4	40.1	37.8	30.7	23.6	23.6	21.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	11.8	11.8	16.5	23.6	30.7	35.4	33.0	26.0	18.9	18.9	18.9
115°	11.8	11.8	14.2	21.2	26.0	30.7	28.3	21.2	16.5	16.5	16.5
117.5°	11.8	11.8	14.2	18.9	23.6	26.0	23.6	18.9	14.2	14.2	14.2
120°	9.4	9.4	11.8	16.5	21.2	23.6	21.2	16.5	11.8	11.8	14.2
122.5°	9.4	9.4	11.8	14.2	18.9	21.2	18.9	14.2	11.8	11.8	11.8
125°	9.4	9.4	11.8	14.2	16.5	18.9	16.5	11.8	11.8	11.8	11.8
127.5°	9.4	9.4	9.4	11.8	14.2	16.5	14.2	11.8	9.4	9.4	11.8
130°	9.4	9.4	9.4	11.8	14.2	14.2	11.8	9.4	9.4	9.4	11.8
132.5°	9.4	9.4	9.4	9.4	11.8	11.8	11.8	9.4	9.4	9.4	9.4
135°	9.4	9.4	9.4	9.4	11.8	11.8	9.4	9.4	9.4	9.4	9.4
137.5°	9.4	7.1	7.1	9.4	9.4	9.4	9.4	7.1	7.1	7.1	9.4
140°	7.1	7.1	7.1	7.1	9.4	9.4	7.1	7.1	7.1	7.1	7.1
142.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
145°	7.1	7.1	7.1	4.7	7.1	7.1	4.7	4.7	4.7	7.1	7.1
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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°	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6
2.5°	110.9	108.6	108.6	108.6	108.6	106.2	106.2	106.2	106.2	103.8	106.2
5°	118.0	118.0	115.6	110.9	110.9	108.6	108.6	106.2	106.2	103.8	103.8
7.5°	132.2	129.8	125.1	122.7	118.0	115.6	113.3	110.9	110.9	108.6	108.6
10°	151.0	148.7	141.6	136.9	132.2	127.4	125.1	122.7	120.4	118.0	118.0
12.5°	179.4	174.6	167.6	155.8	151.0	144.0	139.2	136.9	136.9	136.9	134.5
15°	219.5	212.4	200.6	186.4	172.3	162.8	160.5	160.5	160.5	162.8	162.8
17.5°	266.7	257.2	243.1	219.5	200.6	188.8	186.4	186.4	188.8	193.5	193.5
20°	325.7	313.9	292.7	262.0	233.6	217.1	212.4	217.1	226.6	228.9	228.9
22.5°	394.1	384.7	349.3	304.5	269.1	247.8	243.1	247.8	259.6	269.1	271.4
25°	476.7	462.6	413.0	354.0	304.5	278.5	271.4	283.2	299.7	313.9	313.9
27.5°	568.8	552.3	483.8	405.9	339.9	304.5	297.4	313.9	342.2	358.7	361.1
30°	667.9	641.9	552.3	455.5	370.5	328.1	323.3	346.9	380.0	401.2	403.6
32.5°	776.5	734.0	623.1	500.3	398.9	344.6	342.2	372.9	413.0	439.0	441.3
35°	878.0	830.8	686.8	533.4	417.7	356.4	356.4	391.8	439.0	464.9	467.3
37.5°	977.1	915.7	741.1	559.3	427.2	361.1	363.5	405.9	453.1	479.1	481.5
40°	1085.6	1007.8	788.3	571.1	429.5	363.5	368.2	413.0	455.5	481.5	481.5
42.5°	1198.9	1104.5	819.0	571.1	424.8	361.1	365.8	410.7	450.8	469.7	472.0
45°	1331.1	1208.4	840.2	561.7	415.4	354.0	361.1	405.9	436.6	446.1	448.4
47.5°	1482.1	1316.9	856.7	547.5	403.6	346.9	356.4	394.1	420.1	420.1	420.1
50°	1673.3	1439.7	870.9	523.9	389.4	339.9	349.3	384.7	398.9	394.1	394.1
52.5°	1881.0	1574.2	880.3	500.3	375.3	330.4	342.2	375.3	382.3	370.5	370.5
55°	2112.3	1732.3	880.3	476.7	361.1	323.3	337.5	365.8	368.2	356.4	351.7
57.5°	2334.1	1857.4	868.5	450.8	346.9	316.3	332.8	361.1	361.1	349.3	346.9
60°	2532.4	1973.0	849.6	427.2	337.5	311.5	332.8	358.7	358.7	349.3	349.3
62.5°	2674.0	2010.8	802.4	405.9	328.1	311.5	335.1	361.1	363.5	358.7	356.4
65°	2709.4	1991.9	748.1	382.3	318.6	309.2	339.9	368.2	370.5	368.2	368.2
67.5°	2610.3	1852.7	665.5	363.5	311.5	309.2	342.2	372.9	375.3	375.3	375.3
70°	2353.0	1645.0	590.0	342.2	304.5	306.8	346.9	377.6	377.6	377.6	377.6
72.5°	1989.6	1380.7	512.1	323.3	292.7	302.1	346.9	375.3	375.3	372.9	372.9
75°	1571.8	1092.7	439.0	304.5	278.5	292.7	342.2	368.2	365.8	363.5	361.1
77.5°	1163.5	811.9	368.2	278.5	262.0	280.9	328.1	351.7	349.3	346.9	342.2
80°	802.4	566.4	306.8	252.5	240.7	262.0	306.8	328.1	325.7	321.0	321.0
82.5°	521.6	389.4	247.8	221.8	217.1	240.7	283.2	299.7	295.0	290.3	287.9
85°	337.5	264.3	198.2	188.8	193.5	214.8	247.8	262.0	259.6	254.9	250.2
87.5°	221.8	188.8	155.8	155.8	165.2	188.8	212.4	219.5	217.1	217.1	212.4
90°	155.8	141.6	127.4	129.8	141.6	162.8	174.6	177.0	174.6	177.0	172.3
92.5°	115.6	108.6	103.8	108.6	120.4	136.9	144.0	139.2	141.6	141.6	139.2
95°	89.7	87.3	87.3	92.0	103.8	115.6	118.0	110.9	115.6	115.6	113.3
97.5°	70.8	70.8	73.2	77.9	87.3	96.8	96.8	92.0	94.4	94.4	94.4
100°	56.6	56.6	61.4	66.1	75.5	82.6	80.2	75.5	77.9	75.5	73.2
102.5°	44.8	47.2	51.9	56.6	63.7	68.4	68.4	63.7	63.7	61.4	61.4
105°	35.4	37.8	42.5	49.6	54.3	59.0	59.0	54.3	49.6	47.2	47.2
107.5°	28.3	30.7	35.4	40.1	47.2	49.6	49.6	44.8	40.1	35.4	35.4
110°	23.6	26.0	30.7	35.4	40.1	42.5	42.5	37.8	33.0	28.3	28.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.2	21.2	26.0	30.7	33.0	35.4	35.4	33.0	26.0	23.6	23.6
115°	16.5	18.9	21.2	26.0	28.3	30.7	30.7	26.0	21.2	18.9	18.9
117.5°	16.5	16.5	18.9	23.6	26.0	28.3	26.0	23.6	18.9	16.5	16.5
120°	14.2	16.5	18.9	18.9	23.6	23.6	23.6	18.9	16.5	16.5	16.5
122.5°	14.2	14.2	16.5	18.9	18.9	21.2	21.2	16.5	14.2	14.2	14.2
125°	11.8	14.2	14.2	16.5	18.9	18.9	18.9	14.2	14.2	14.2	14.2
127.5°	11.8	11.8	14.2	14.2	16.5	16.5	16.5	14.2	11.8	11.8	11.8
130°	11.8	11.8	11.8	11.8	14.2	14.2	14.2	11.8	11.8	11.8	11.8
132.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	9.4	11.8	11.8
135°	9.4	9.4	9.4	9.4	11.8	11.8	9.4	9.4	9.4	9.4	9.4
137.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
140°	9.4	9.4	9.4	7.1	9.4	9.4	7.1	7.1	7.1	9.4	9.4
142.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
145°	7.1	7.1	7.1	4.7	4.7	7.1	7.1	7.1	7.1	7.1	7.1
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	4.7
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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)