

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: P695891

Luminaire Tested: **LXF.LXT-PA16-730-U-T3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
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-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6514 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G3

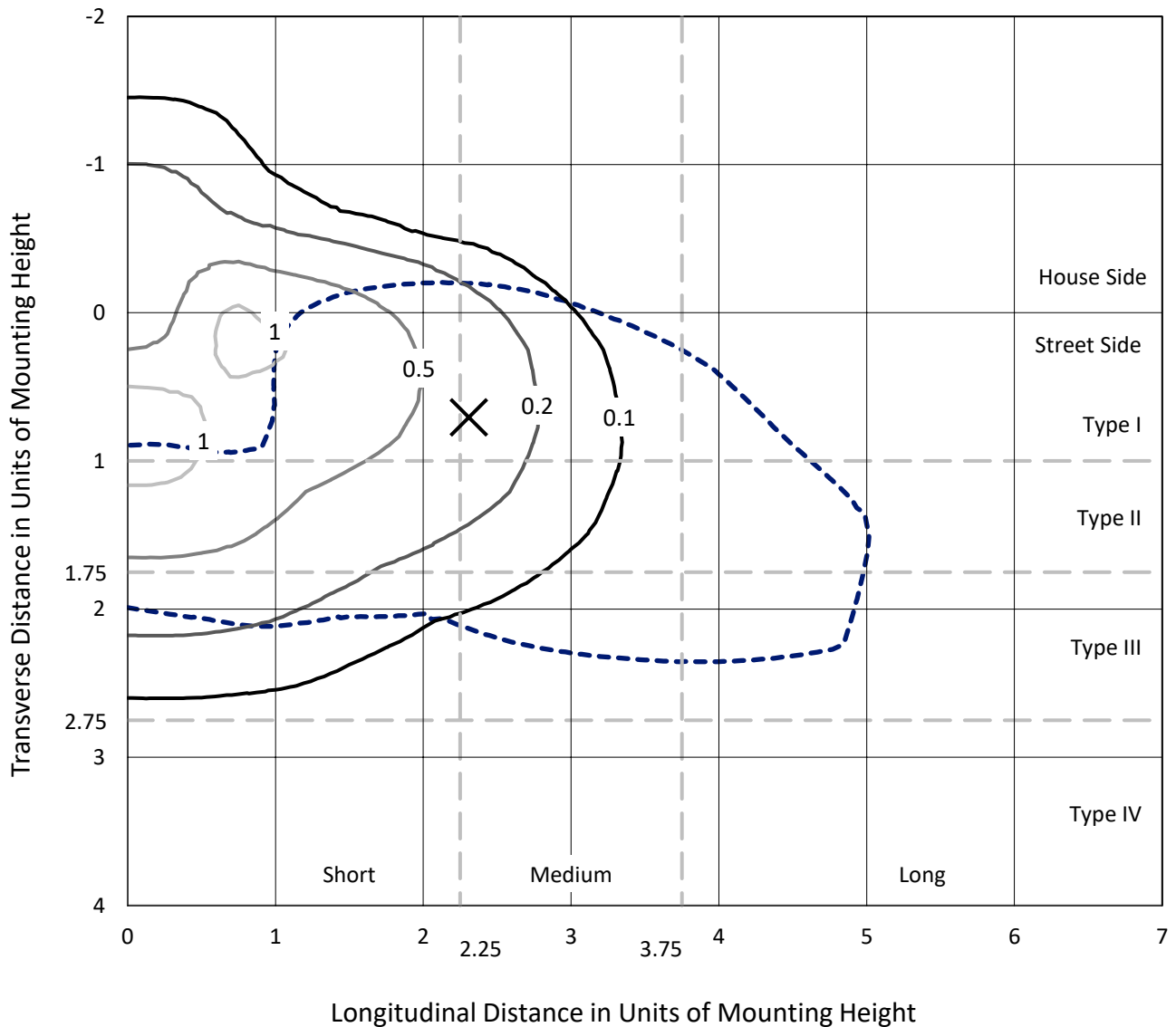
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

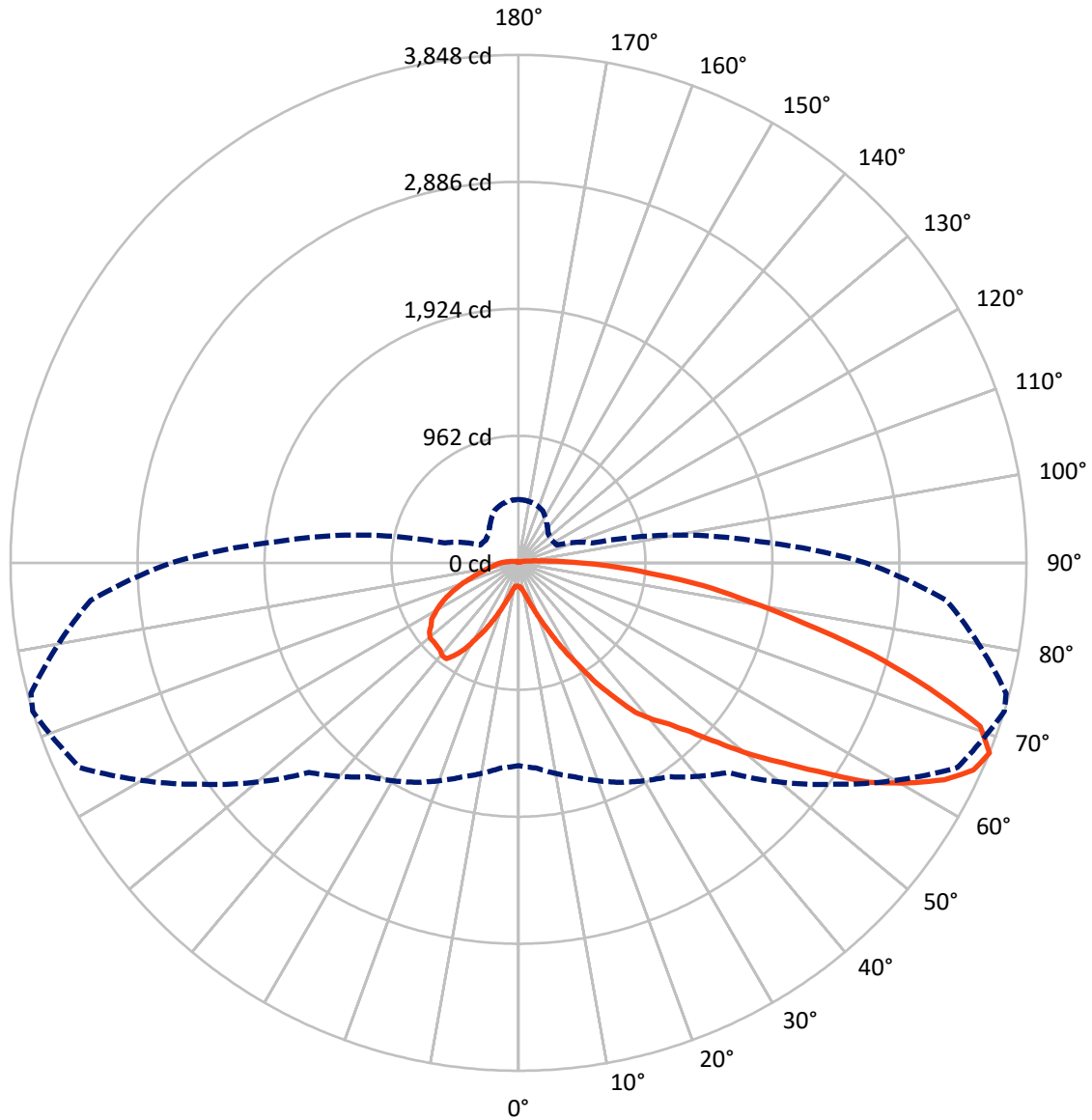
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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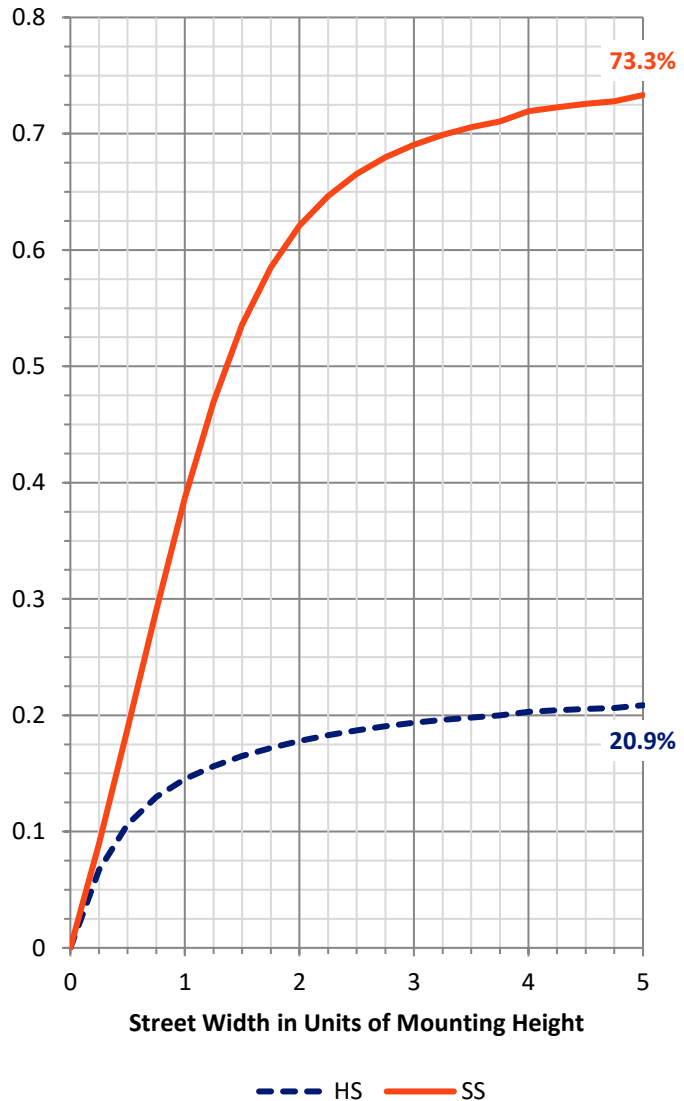
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1425.5	106.5	1532.0
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	4872.9	109.1	4982.0
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	6298.4	215.6	6514.0
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	80.1	1.2
20°-30°	246.4	3.8
30°-40°	567.3	8.7
40°-50°	919.3	14.1
50°-60°	1363.7	20.9
60°-70°	1587.8	24.4
70°-80°	1090.7	16.7
80°-90°	424.9	6.5
90°-100°	120.6	1.9
100°-110°	44.0	0.7
110°-120°	22.7	0.3
120°-130°	14.2	0.2
130°-140°	9.4	0.1
140°-150°	4.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6298.4	96.7
0°-180°	6514.0	100.0

**Coefficient of Utilization**

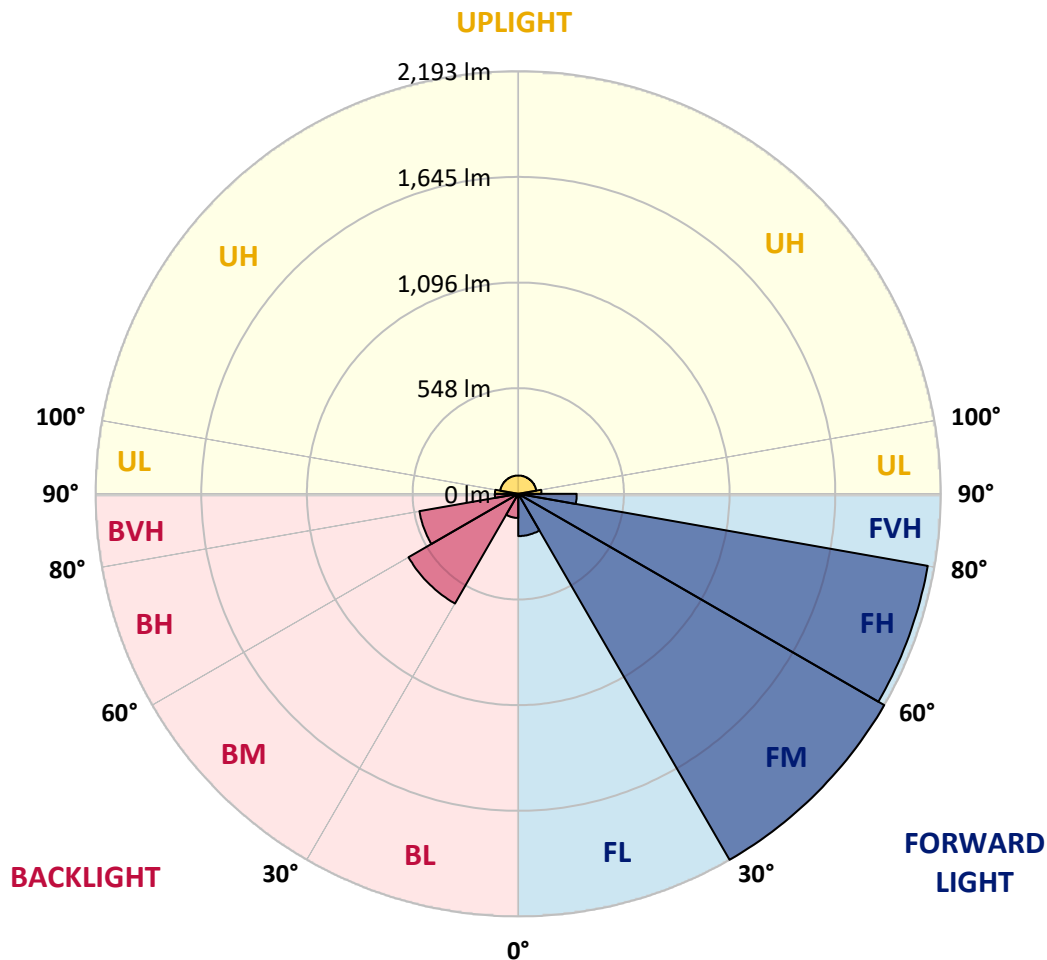


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.4	3.4			
FM (30°-60°)	2192.8	33.7			
FH (60°-80°)	2157.6	33.1			G2/5000
FVH (80°-90°)	303.1	4.7			G3/500
BL (0°-30°)	125.4	1.9	B1/500		
BM (30°-60°)	657.4	10.1	B1/1000		
BH (60°-80°)	520.9	8.0	B2/1000		G2/1000
BVH (80°-90°)	121.8	1.9			G2/225
UL (90°-100°)	120.6	1.9		U3/500	
UH (100°-180°)	95.0	1.5		U3/500	

**BUG Rating: B2-U3-G3**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4
2.5°	188.8	191.2	191.2	191.2	191.2	188.8	186.5	184.1	184.1	181.8	179.4
5°	212.4	212.4	210.1	210.1	207.7	205.4	200.6	195.9	191.2	191.2	186.5
7.5°	233.7	236.0	236.0	231.3	229.0	224.2	217.2	210.1	205.4	203.0	195.9
10°	266.7	269.1	266.7	262.0	257.3	250.2	240.8	233.7	226.6	221.9	214.8
12.5°	311.6	311.6	309.2	299.8	290.3	283.3	273.8	266.7	257.3	257.3	247.8
15°	365.9	368.2	361.1	354.1	339.9	328.1	316.3	311.6	306.9	306.9	295.1
17.5°	434.3	436.7	427.2	408.4	391.8	382.4	375.3	368.2	363.5	363.5	351.7
20°	535.8	521.7	519.3	479.2	460.3	446.1	441.4	436.7	439.0	434.3	427.2
22.5°	649.1	639.7	625.5	578.3	542.9	521.7	514.6	516.9	524.0	524.0	521.7
25°	783.7	786.0	750.6	691.6	637.3	606.6	604.3	627.9	635.0	639.7	637.3
27.5°	937.1	946.5	889.9	826.1	750.6	698.7	703.4	743.5	767.1	769.5	767.1
30°	1135.4	1140.1	1069.3	970.1	863.9	804.9	819.1	875.7	901.7	911.1	915.8
32.5°	1362.0	1362.0	1281.7	1151.9	993.7	911.1	925.3	1024.4	1085.8	1083.4	1097.6
35°	1579.1	1562.6	1494.2	1328.9	1137.7	1024.4	1059.8	1173.1	1248.7	1262.8	1255.7
37.5°	1730.2	1742.0	1678.3	1517.8	1284.1	1142.4	1192.0	1336.0	1435.1	1435.1	1416.3
40°	1829.3	1843.5	1784.5	1647.6	1428.1	1272.3	1326.6	1482.3	1557.9	1562.6	1494.2
42.5°	1935.5	1947.4	1907.2	1765.6	1548.4	1395.0	1444.6	1593.3	1668.8	1666.5	1595.6
45°	2053.6	2070.1	2051.2	1907.2	1668.8	1510.7	1553.2	1725.5	1824.6	1841.1	1749.1
47.5°	2197.6	2209.4	2188.1	2046.5	1803.4	1628.7	1694.8	1904.9	2034.7	2037.0	1930.8
50°	2277.8	2301.4	2334.5	2223.5	1956.8	1760.9	1862.4	2131.5	2282.5	2310.9	2169.2
52.5°	2327.4	2353.3	2407.6	2384.0	2150.3	1935.5	2086.6	2391.1	2520.9	2561.1	2355.7
55°	2410.0	2438.3	2497.3	2464.3	2301.4	2136.2	2296.7	2655.5	2806.5	2825.4	2643.7
57.5°	2294.3	2322.7	2483.2	2546.9	2405.3	2310.9	2520.9	2950.5	3137.0	3165.3	2912.8
60°	2190.5	2209.4	2315.6	2497.3	2466.6	2436.0	2761.7	3233.8	3387.2	3396.7	3073.3
62.5°	1996.9	2039.4	2162.2	2310.9	2393.5	2480.8	2936.4	3458.0	3618.5	3635.1	3231.4
65°	1727.8	1758.5	1895.4	2107.9	2207.0	2407.6	3009.5	3639.8	3786.1	3776.7	3309.3
67.5°	1536.6	1560.2	1680.6	1834.1	1978.0	2244.8	2924.6	3668.1	3847.5	3823.9	3252.7
70°	1206.2	1234.5	1371.4	1612.2	1725.5	1989.8	2723.9	3554.8	3710.6	3689.3	2995.4
72.5°	960.7	986.7	1116.5	1319.5	1510.7	1723.1	2457.2	3193.7	3255.0	3200.7	2523.3
75°	703.4	738.8	826.1	1010.3	1239.2	1489.4	2070.1	2714.5	2764.1	2712.1	2048.9
77.5°	486.2	488.6	566.5	741.2	939.4	1255.7	1718.4	2254.2	2221.2	2166.9	1567.3
80°	311.6	316.3	365.9	479.2	682.2	948.9	1387.9	1796.3	1765.6	1742.0	1201.5
82.5°	200.6	193.6	236.0	313.9	462.6	689.2	1078.7	1439.9	1406.8	1350.2	908.8
85°	127.5	132.2	155.8	205.4	316.3	502.8	804.9	1031.5	989.0	937.1	620.8
87.5°	96.8	99.1	113.3	146.3	214.8	354.1	550.0	717.6	689.2	639.7	417.8
90°	73.2	75.5	85.0	106.2	148.7	240.8	365.9	450.8	417.8	391.8	269.1
92.5°	51.9	54.3	63.7	80.3	110.9	167.6	236.0	264.4	245.5	236.0	174.7
95°	37.8	40.1	47.2	59.0	82.6	115.7	148.7	160.5	148.7	144.0	122.7
97.5°	30.7	33.0	35.4	44.8	63.7	85.0	101.5	103.9	101.5	96.8	92.1
100°	26.0	26.0	30.7	35.4	49.6	68.5	75.5	75.5	75.5	75.5	70.8
102.5°	21.2	21.2	26.0	30.7	40.1	54.3	59.0	59.0	56.7	59.0	56.7
105°	18.9	18.9	21.2	26.0	35.4	44.8	47.2	44.8	44.8	44.8	44.8
107.5°	16.5	16.5	18.9	23.6	30.7	37.8	40.1	37.8	35.4	35.4	37.8
110°	14.2	14.2	16.5	18.9	26.0	33.0	33.0	28.3	28.3	28.3	30.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	14.2	14.2	16.5	18.9	23.6	28.3	26.0	23.6	23.6	23.6	26.0
115°	14.2	14.2	14.2	16.5	21.2	23.6	23.6	21.2	18.9	21.2	23.6
117.5°	14.2	14.2	14.2	16.5	18.9	21.2	21.2	18.9	16.5	18.9	21.2
120°	14.2	14.2	14.2	16.5	18.9	18.9	18.9	16.5	16.5	16.5	18.9
122.5°	11.8	11.8	14.2	14.2	16.5	16.5	16.5	14.2	14.2	14.2	18.9
125°	11.8	11.8	14.2	14.2	16.5	16.5	14.2	14.2	14.2	14.2	16.5
127.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	11.8	14.2	14.2	16.5
130°	14.2	14.2	14.2	14.2	14.2	14.2	11.8	11.8	14.2	14.2	16.5
132.5°	14.2	14.2	14.2	14.2	14.2	11.8	11.8	11.8	11.8	14.2	14.2
135°	14.2	14.2	14.2	14.2	11.8	11.8	9.4	11.8	11.8	11.8	14.2
137.5°	11.8	11.8	11.8	11.8	11.8	9.4	9.4	9.4	9.4	11.8	11.8
140°	11.8	9.4	9.4	9.4	9.4	9.4	7.1	7.1	9.4	9.4	11.8
142.5°	9.4	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4	9.4
145°	7.1	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1	7.1
147.5°	7.1	4.7	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1
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°	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4
2.5°	179.4	177.0	177.0	174.7	172.3	172.3	170.0	170.0	170.0	170.0	167.6
5°	184.1	181.8	177.0	172.3	167.6	165.2	162.9	160.5	158.1	158.1	158.1
7.5°	191.2	188.8	181.8	174.7	167.6	160.5	155.8	153.4	151.1	148.7	148.7
10°	210.1	203.0	191.2	179.4	170.0	160.5	153.4	148.7	146.3	144.0	144.0
12.5°	236.0	233.7	214.8	195.9	179.4	165.2	155.8	153.4	151.1	151.1	148.7
15°	285.6	276.2	254.9	224.2	198.3	177.0	170.0	167.6	172.3	172.3	174.7
17.5°	339.9	328.1	299.8	262.0	226.6	203.0	193.6	195.9	200.6	205.4	205.4
20°	410.7	398.9	361.1	306.9	264.4	236.0	224.2	224.2	233.7	240.8	240.8
22.5°	507.5	486.2	432.0	358.8	302.1	269.1	252.6	250.2	262.0	269.1	269.1
25°	620.8	590.1	519.3	422.5	342.3	295.1	276.2	278.5	292.7	304.5	304.5
27.5°	738.8	705.8	606.6	481.5	380.0	313.9	297.4	306.9	325.7	337.5	339.9
30°	882.8	838.0	698.7	540.5	408.4	330.5	313.9	328.1	351.7	368.2	370.6
32.5°	1045.7	989.0	814.3	599.5	429.6	339.9	323.4	351.7	380.0	403.6	403.6
35°	1201.5	1125.9	899.3	644.4	441.4	342.3	332.8	368.2	401.3	422.5	422.5
37.5°	1340.7	1243.9	970.1	668.0	441.4	342.3	335.2	375.3	406.0	420.2	417.8
40°	1395.0	1279.4	972.5	656.2	434.3	337.5	332.8	370.6	394.2	398.9	394.2
42.5°	1477.6	1336.0	956.0	616.1	410.7	330.5	325.7	354.1	368.2	368.2	363.5
45°	1605.1	1423.3	958.3	575.9	384.7	316.3	313.9	339.9	356.4	361.1	356.4
47.5°	1760.9	1531.9	960.7	540.5	361.1	304.5	306.9	337.5	354.1	349.3	347.0
50°	1966.2	1675.9	972.5	507.5	347.0	295.1	306.9	339.9	351.7	342.3	337.5
52.5°	2117.3	1760.9	951.3	476.8	337.5	292.7	311.6	344.6	351.7	337.5	337.5
55°	2339.2	1878.9	906.4	436.7	328.1	295.1	316.3	349.3	351.7	339.9	337.5
57.5°	2535.1	1985.1	880.4	401.3	318.7	299.8	323.4	356.4	361.1	354.1	351.7
60°	2624.8	2011.1	812.0	377.7	311.6	304.5	332.8	368.2	384.7	380.0	382.4
62.5°	2733.4	2015.8	745.9	356.4	309.2	309.2	344.6	391.8	413.1	413.1	415.4
65°	2726.3	1954.4	668.0	337.5	306.9	313.9	358.8	413.1	439.0	446.1	448.5
67.5°	2631.9	1834.1	583.0	318.7	302.1	316.3	370.6	434.3	465.0	476.8	479.2
70°	2339.2	1609.8	498.1	302.1	292.7	311.6	372.9	446.1	476.8	488.6	491.0
72.5°	1919.0	1277.0	406.0	278.5	276.2	297.4	363.5	439.0	462.6	467.4	472.1
75°	1531.9	1012.6	337.5	252.6	252.6	273.8	337.5	403.6	420.2	424.9	417.8
77.5°	1147.2	767.1	280.9	229.0	229.0	250.2	304.5	356.4	370.6	368.2	370.6
80°	868.6	580.7	238.4	205.4	205.4	221.9	271.4	316.3	328.1	323.4	321.0
82.5°	651.5	434.3	207.7	184.1	184.1	198.3	236.0	273.8	283.3	283.3	276.2
85°	446.1	311.6	181.8	162.9	162.9	174.7	203.0	231.3	245.5	243.1	238.4
87.5°	311.6	236.0	160.5	146.3	144.0	153.4	174.7	200.6	217.2	219.5	214.8
90°	214.8	177.0	139.3	125.1	125.1	132.2	151.1	172.3	188.8	191.2	186.5
92.5°	151.1	134.5	115.7	106.2	103.9	113.3	125.1	139.3	148.7	148.7	151.1
95°	110.9	103.9	92.1	82.6	82.6	92.1	99.1	101.5	108.6	108.6	106.2
97.5°	85.0	82.6	75.5	66.1	63.7	73.2	75.5	77.9	82.6	80.3	77.9
100°	70.8	68.5	61.4	54.3	51.9	59.0	61.4	63.7	68.5	63.7	63.7
102.5°	56.7	56.7	51.9	44.8	44.8	49.6	51.9	54.3	56.7	54.3	51.9
105°	47.2	47.2	44.8	40.1	37.8	42.5	44.8	44.8	47.2	44.8	44.8
107.5°	37.8	40.1	37.8	33.0	33.0	35.4	37.8	37.8	37.8	37.8	37.8
110°	33.0	33.0	33.0	28.3	30.7	33.0	33.0	33.0	33.0	33.0	33.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	28.3	28.3	26.0	26.0	28.3	28.3	28.3	28.3	28.3	28.3
115°	26.0	26.0	26.0	23.6	23.6	26.0	23.6	23.6	23.6	26.0	26.0
117.5°	23.6	23.6	23.6	21.2	21.2	21.2	21.2	21.2	21.2	23.6	23.6
120°	21.2	21.2	21.2	18.9	18.9	18.9	18.9	18.9	18.9	21.2	21.2
122.5°	18.9	18.9	18.9	18.9	16.5	18.9	16.5	16.5	16.5	18.9	18.9
125°	16.5	18.9	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	18.9
127.5°	16.5	16.5	16.5	16.5	14.2	14.2	14.2	14.2	14.2	16.5	16.5
130°	16.5	16.5	16.5	14.2	14.2	14.2	11.8	11.8	14.2	14.2	16.5
132.5°	16.5	16.5	14.2	14.2	11.8	11.8	11.8	11.8	14.2	14.2	14.2
135°	14.2	14.2	14.2	11.8	11.8	11.8	9.4	11.8	11.8	14.2	14.2
137.5°	11.8	11.8	11.8	11.8	9.4	9.4	9.4	9.4	11.8	11.8	11.8
140°	11.8	11.8	9.4	9.4	9.4	7.1	7.1	9.4	9.4	11.8	11.8
142.5°	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4	9.4	9.4
145°	7.1	7.1	7.1	7.1	4.7	4.7	7.1	7.1	7.1	9.4	9.4
147.5°	7.1	7.1	7.1	4.7	4.7	4.7	4.7	7.1	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	7.1	7.1	7.1
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)