

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: P695897

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6795 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

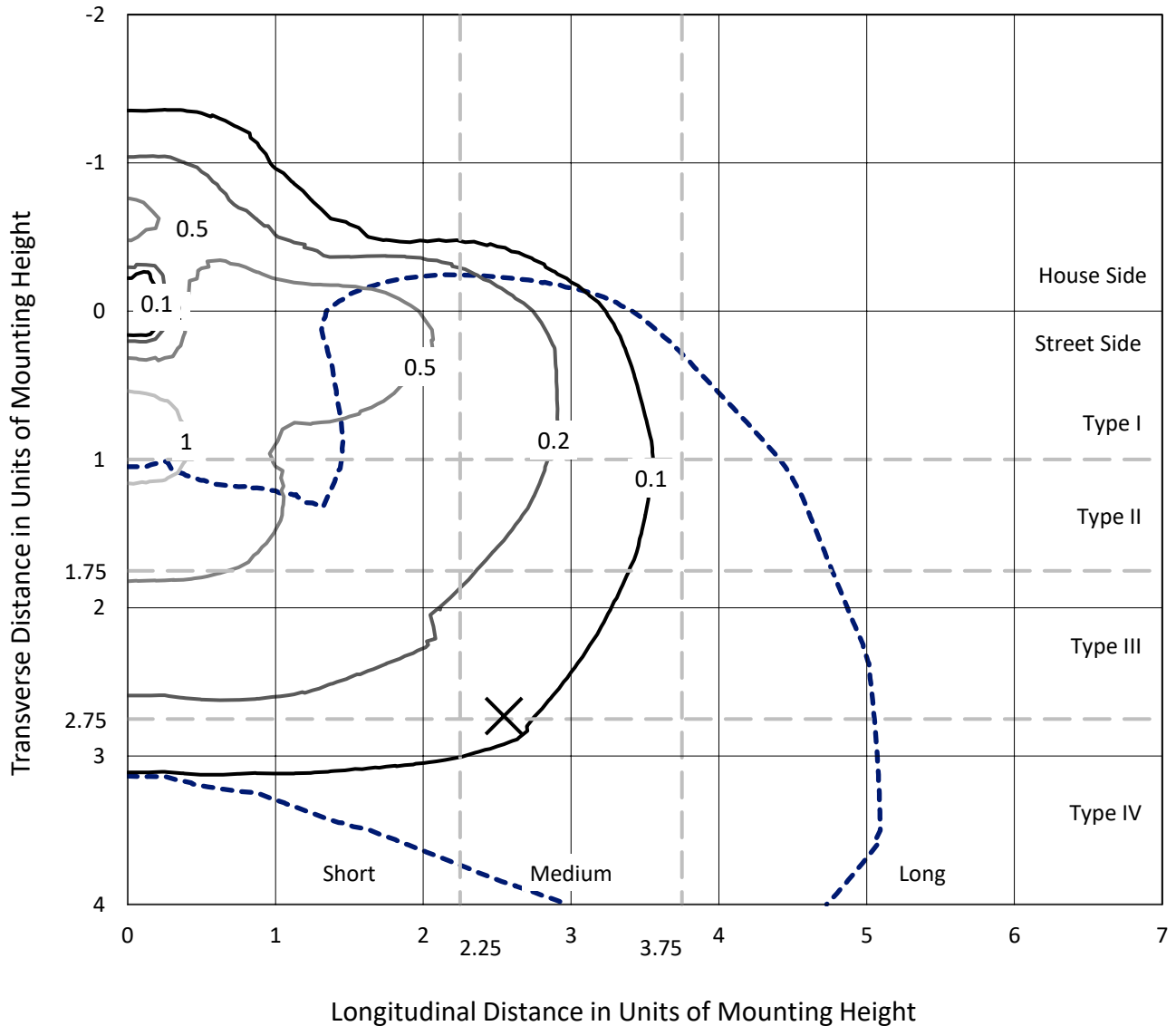
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

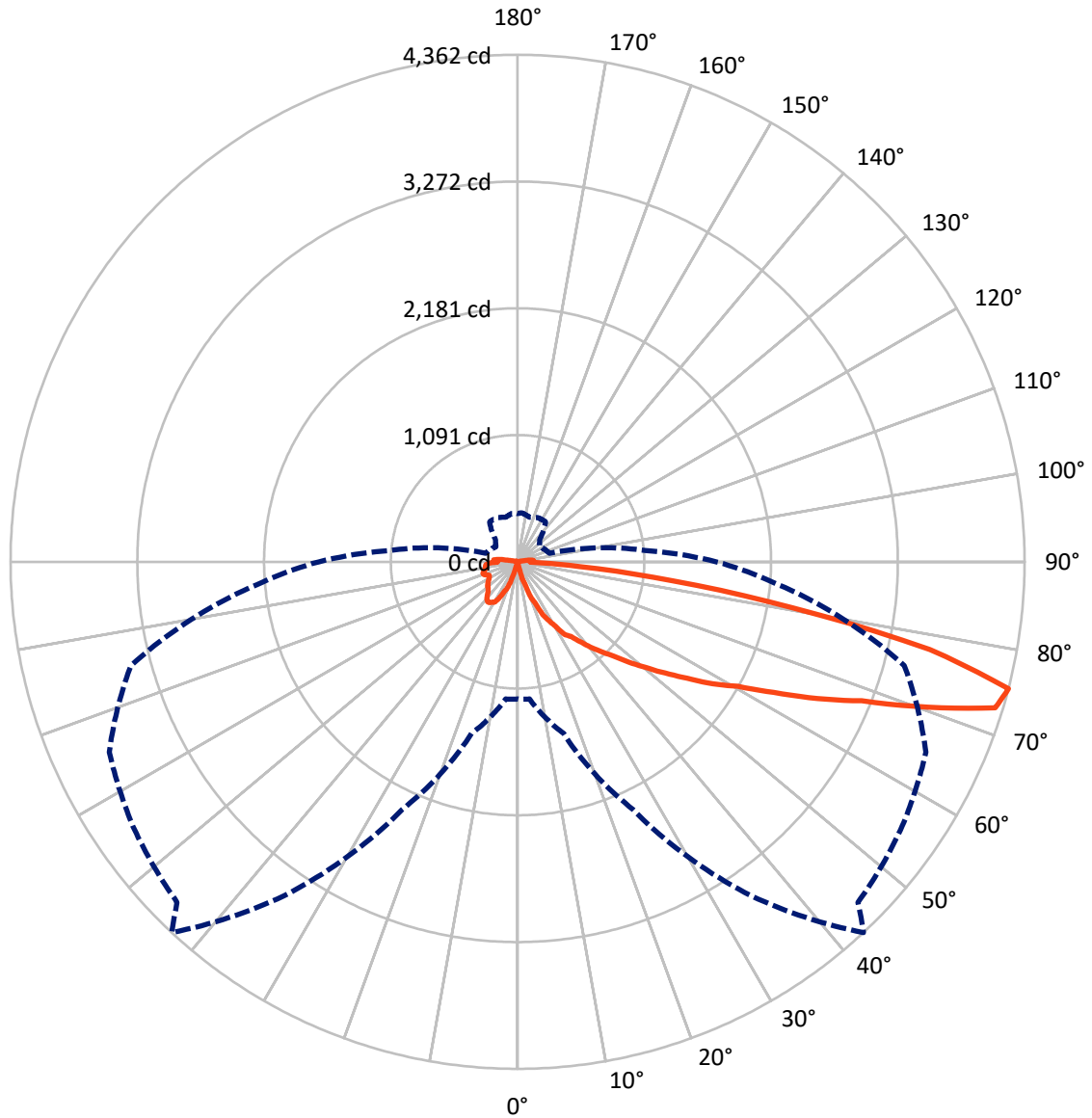
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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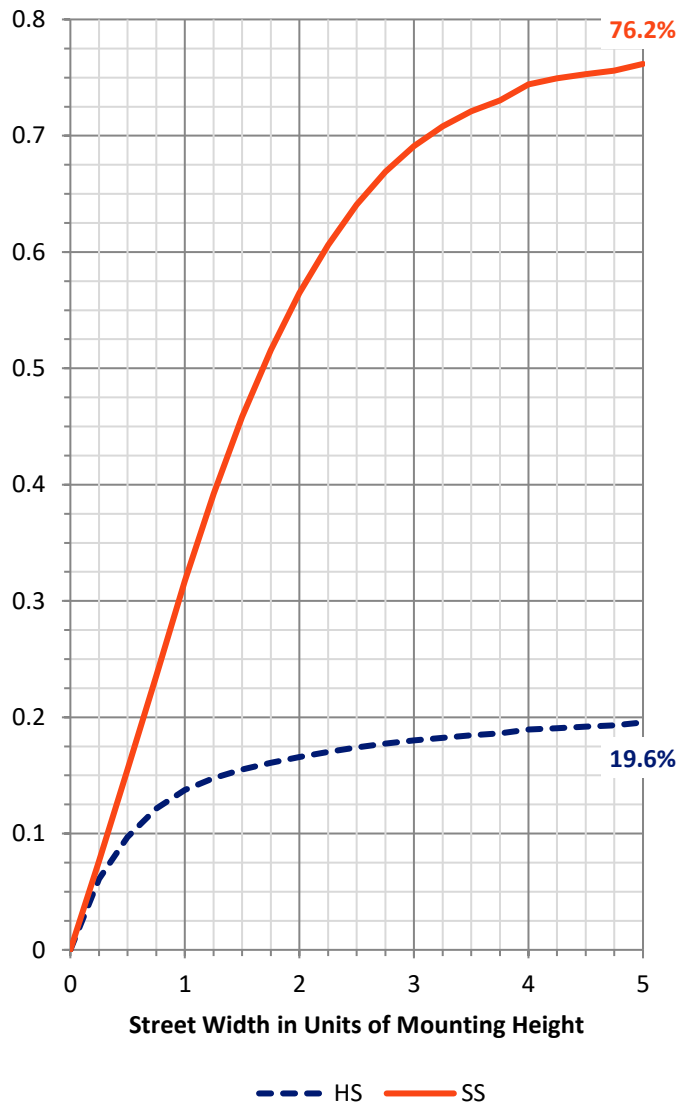
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1415.8	95.3	1511.1
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	5214.7	69.2	5283.9
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	6630.5	164.5	6795.0
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	40.3	0.6
20°-30°	220.8	3.2
30°-40°	516.7	7.6
40°-50°	782.7	11.5
50°-60°	1217.4	17.9
60°-70°	1833.9	27.0
70°-80°	1650.3	24.3
80°-90°	367.8	5.4
90°-100°	126.5	1.9
100°-110°	20.7	0.3
110°-120°	6.6	0.1
120°-130°	4.9	0.1
130°-140°	3.0	0.0
140°-150°	2.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6630.5	97.6
0°-180°	6795.0	100.0

**Coefficient of Utilization**

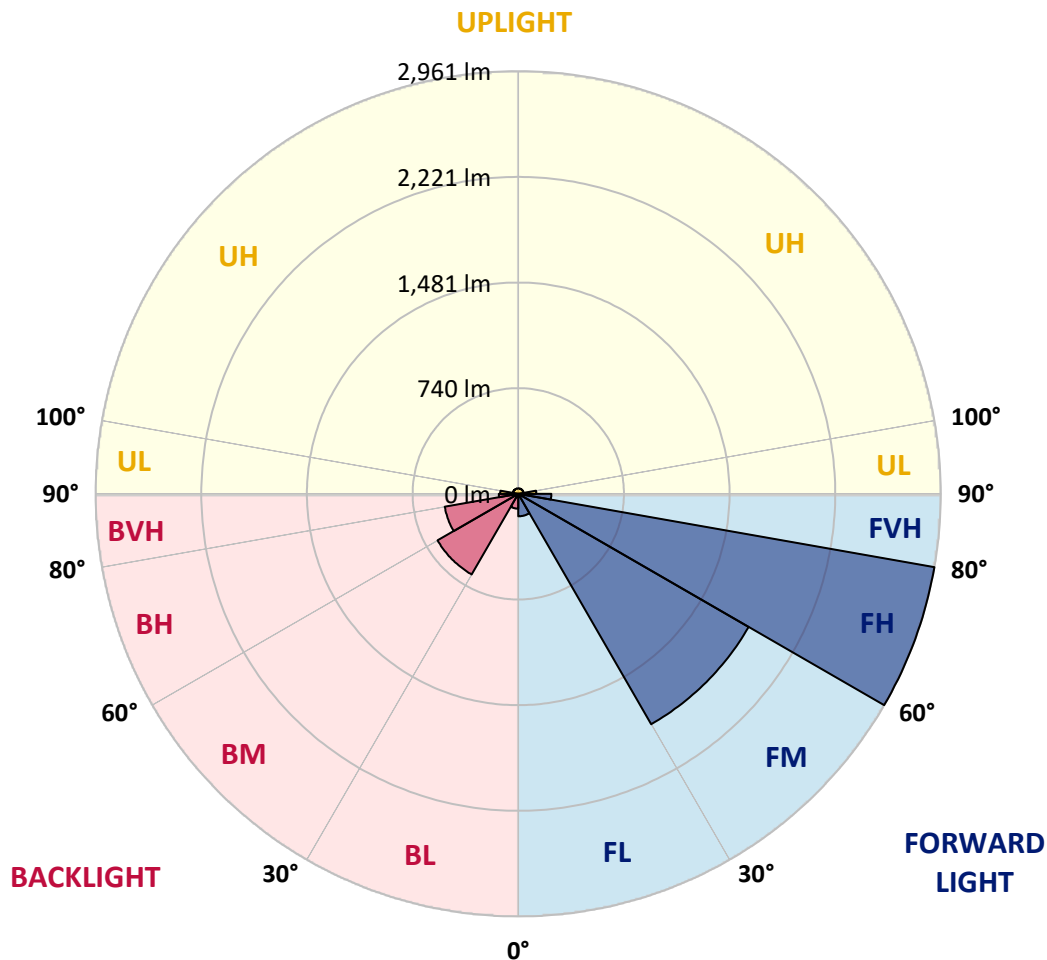


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.4	2.3			
FM (30°-60°)	1864.4	27.4			
FH (60°-80°)	2961.3	43.6			G2/5000
FVH (80°-90°)	231.7	3.4			G3/500
BL (0°-30°)	104.2	1.5	B0/110		
BM (30°-60°)	652.5	9.6	B1/1000		
BH (60°-80°)	522.9	7.7	B2/1000		G2/1000
BVH (80°-90°)	136.1	2.0			G2/225
UL (90°-100°)	126.5	1.9		U3/500	
UH (100°-180°)	38.0	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7.5°	7.1	7.1	4.7	4.7	7.1	4.7	4.7	4.7	4.7	4.7	4.7
10°	47.2	47.2	42.5	26.0	11.8	7.1	7.1	7.1	4.7	7.1	7.1
12.5°	195.9	195.9	181.8	170.0	51.9	30.7	21.2	11.8	21.2	30.7	40.1
15°	233.7	233.7	224.2	203.0	188.8	148.7	96.8	56.7	153.4	162.9	160.5
17.5°	424.9	365.9	290.3	252.6	212.4	193.6	217.2	177.0	193.6	198.3	195.9
20°	498.1	488.6	467.4	443.8	269.1	328.1	304.5	302.1	236.0	304.5	358.8
22.5°	538.2	538.2	502.8	472.1	479.2	377.7	356.4	342.3	394.2	429.6	427.2
25°	748.3	748.3	717.6	521.7	505.1	502.8	465.0	493.3	495.7	493.3	498.1
27.5°	793.1	786.0	757.7	694.0	561.8	573.6	583.0	550.0	611.4	715.2	708.1
30°	1133.0	1092.9	887.5	745.9	701.1	642.0	620.8	668.0	731.7	757.7	762.4
32.5°	1314.8	1300.6	1206.2	993.8	776.6	748.3	708.1	745.9	760.1	932.4	1003.2
35°	1517.8	1491.8	1409.2	1123.6	939.5	788.4	771.9	750.6	899.3	977.2	1045.7
37.5°	1671.2	1668.8	1595.7	1279.4	1043.3	868.6	814.4	835.6	930.0	1024.4	1088.2
40°	1803.4	1793.9	1760.9	1423.4	1130.7	963.1	868.6	885.2	974.9	1069.3	1142.5
42.5°	1942.7	1935.6	1937.9	1543.7	1241.6	1057.5	944.2	932.4	1029.2	1142.5	1225.1
45°	2103.2	2098.4	2091.4	1723.1	1366.7	1154.3	1041.0	1007.9	1137.7	1234.5	1333.7
47.5°	2171.6	2162.2	2211.7	1876.6	1506.0	1288.8	1147.2	1107.1	1258.1	1371.4	1508.3
50°	2259.0	2249.5	2280.2	2032.4	1671.2	1430.4	1288.8	1227.4	1404.5	1560.3	1737.3
52.5°	2424.2	2509.2	2388.8	2202.3	1900.2	1588.6	1430.4	1383.2	1600.4	1812.8	2112.6
55°	2622.5	2603.6	2539.8	2398.2	2110.2	1768.0	1586.2	1560.3	1862.4	2131.5	2499.7
57.5°	2660.2	2639.0	2690.9	2598.9	2353.4	1980.4	1765.6	1777.4	2126.8	2464.3	2934.0
60°	2747.6	2733.4	2830.2	2879.8	2603.6	2176.3	1952.1	2065.4	2398.2	2804.2	3354.2
62.5°	2839.6	2856.2	3000.1	3073.3	2771.2	2473.8	2207.0	2393.5	2813.7	3172.5	3727.2
65°	2825.5	2849.1	3146.5	3184.3	2976.5	2834.9	2523.3	2766.5	3196.1	3552.5	3998.6
67.5°	2754.7	2778.3	3181.9	3335.3	3257.4	3193.7	2884.5	3170.1	3550.1	3809.8	4083.6
70°	2608.3	2610.7	3009.6	3455.7	3602.1	3746.0	3380.2	3566.6	3897.1	4034.0	3873.5
72.5°	2110.2	2126.8	2502.1	3219.7	3854.6	4296.0	3942.0	3937.2	4083.6	3967.9	3186.6
75°	1180.2	1184.9	1529.6	2353.4	3510.0	4362.1	4142.6	4022.2	3875.9	3443.9	2251.9
77.5°	358.8	401.3	535.8	1196.8	2457.2	3625.7	3566.6	3538.3	3240.9	2428.9	1225.1
80°	181.8	188.8	240.8	413.1	1269.9	2400.6	2452.5	2539.8	2020.5	1048.0	568.9
82.5°	103.9	108.6	146.3	219.5	540.5	1340.7	1472.9	1387.9	868.6	493.3	394.2
85°	51.9	51.9	68.5	101.5	252.6	531.1	616.1	498.1	375.3	325.7	318.7
87.5°	28.3	28.3	23.6	30.7	77.9	118.0	136.9	186.5	200.6	205.4	271.5
90°	30.7	30.7	23.6	26.0	56.7	106.2	151.1	181.8	186.5	195.9	276.2
92.5°	30.7	30.7	23.6	23.6	51.9	125.1	172.3	198.3	193.6	210.1	283.3
95°	30.7	28.3	21.2	23.6	44.8	134.5	162.9	210.1	186.5	188.8	236.0
97.5°	18.9	18.9	14.2	18.9	33.0	103.9	113.3	151.1	127.5	85.0	110.9
100°	14.2	14.2	9.4	14.2	18.9	49.6	47.2	73.2	56.7	18.9	28.3
102.5°	14.2	16.5	9.4	9.4	11.8	14.2	16.5	23.6	23.6	14.2	18.9
105°	16.5	16.5	7.1	7.1	7.1	7.1	9.4	9.4	9.4	11.8	18.9
107.5°	14.2	14.2	7.1	4.7	4.7	7.1	7.1	4.7	7.1	9.4	21.2
110°	9.4	9.4	4.7	4.7	4.7	4.7	4.7	4.7	7.1	9.4	16.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	4.7	7.1	2.4	4.7	2.4	4.7	4.7	4.7	4.7	7.1	9.4
115°	7.1	4.7	2.4	2.4	2.4	4.7	4.7	4.7	4.7	7.1	9.4
117.5°	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	11.8
120°	7.1	7.1	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	9.4
122.5°	7.1	7.1	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	9.4
125°	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	7.1	9.4
127.5°	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	9.4
130°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	9.4
132.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1
135°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
137.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
142.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
145°	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	4.7
150°	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4	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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	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	2.4	2.4	2.4	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7	4.7
7.5°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	4.7	4.7	4.7
10°	7.1	7.1	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7
12.5°	42.5	40.1	28.3	16.5	7.1	4.7	4.7	4.7	7.1	9.4	9.4
15°	162.9	158.2	153.4	139.3	40.1	9.4	7.1	21.2	82.6	115.7	134.5
17.5°	191.2	188.8	184.1	174.7	160.5	54.3	70.8	151.1	179.4	184.1	188.8
20°	351.7	344.6	266.7	200.6	184.1	193.6	170.0	188.8	198.3	205.4	212.4
22.5°	417.8	410.7	389.5	356.4	219.5	254.9	245.5	217.2	330.5	356.4	361.1
25°	488.6	476.8	432.0	396.6	365.9	283.3	304.5	344.6	373.0	391.8	391.8
27.5°	696.3	672.7	616.1	436.7	406.0	347.0	373.0	365.9	413.1	507.5	514.6
30°	753.0	727.0	646.8	540.5	432.0	401.3	384.8	472.1	533.5	554.7	561.8
32.5°	1003.2	979.6	838.0	557.1	474.5	401.3	446.1	491.0	533.5	632.6	642.0
35°	1052.8	1015.0	868.6	642.0	472.1	420.2	448.5	500.4	618.4	663.3	672.7
37.5°	1102.3	1064.6	866.3	616.1	502.8	427.2	439.0	512.2	576.0	606.6	613.7
40°	1170.8	1114.1	849.8	573.6	479.2	410.7	434.3	481.5	519.3	528.7	535.8
42.5°	1260.5	1182.6	830.9	531.1	443.8	384.8	406.0	441.4	465.0	450.8	450.8
45°	1385.6	1265.2	795.5	488.6	410.7	356.4	382.4	408.4	420.2	394.2	387.1
47.5°	1541.4	1364.3	757.7	448.5	389.5	339.9	368.2	389.5	389.5	354.1	349.3
50°	1730.2	1487.1	708.1	415.4	365.9	330.5	354.1	373.0	361.1	325.7	323.4
52.5°	2018.2	1673.6	660.9	387.1	344.6	321.0	351.7	349.3	332.8	302.1	299.8
55°	2374.6	1916.7	618.4	365.9	330.5	304.5	344.6	335.2	316.3	288.0	288.0
57.5°	2728.7	2183.4	573.6	351.7	313.9	290.3	332.8	328.1	306.9	278.5	276.2
60°	3075.7	2428.9	507.5	339.9	292.7	276.2	318.7	330.5	302.1	273.8	273.8
62.5°	3356.6	2546.9	434.3	321.0	271.5	266.7	311.6	339.9	325.7	313.9	313.9
65°	3448.6	2476.1	377.7	306.9	257.3	259.7	313.9	375.3	380.0	394.2	396.6
67.5°	3384.9	2275.5	339.9	295.1	247.8	271.5	358.8	422.5	410.7	420.2	424.9
70°	3108.7	1980.4	318.7	280.9	247.8	290.3	394.2	422.5	406.0	434.3	436.7
72.5°	2523.3	1602.7	299.8	269.1	238.4	288.0	415.4	417.8	406.0	439.0	434.3
75°	1711.3	1104.7	283.3	254.9	226.6	266.7	420.2	417.8	396.6	422.5	415.4
77.5°	863.9	561.8	262.0	238.4	210.1	254.9	415.4	420.2	391.8	413.1	406.0
80°	439.0	361.1	233.7	219.5	191.2	250.2	406.0	415.4	375.3	394.2	391.8
82.5°	337.5	283.3	195.9	191.2	174.7	245.5	391.8	401.3	356.4	370.6	361.1
85°	276.2	224.2	144.0	148.7	158.2	247.8	389.5	396.6	344.6	337.5	332.8
87.5°	233.7	172.3	70.8	75.5	115.7	221.9	332.8	328.1	269.1	266.7	271.5
90°	233.7	158.2	47.2	47.2	94.4	158.2	219.5	198.3	186.5	198.3	195.9
92.5°	231.3	144.0	49.6	49.6	106.2	174.7	247.8	205.4	191.2	195.9	193.6
95°	191.2	118.0	56.7	54.3	92.1	193.6	257.3	210.1	195.9	188.8	188.8
97.5°	96.8	66.1	54.3	54.3	73.2	158.2	205.4	165.2	125.1	103.9	110.9
100°	23.6	26.0	51.9	51.9	44.8	80.3	113.3	101.5	51.9	26.0	23.6
102.5°	18.9	16.5	40.1	44.8	28.3	28.3	51.9	59.0	40.1	11.8	11.8
105°	18.9	16.5	18.9	23.6	14.2	11.8	18.9	33.0	18.9	11.8	11.8
107.5°	21.2	18.9	9.4	9.4	9.4	9.4	9.4	11.8	9.4	11.8	11.8
110°	18.9	16.5	9.4	9.4	7.1	9.4	7.1	9.4	9.4	11.8	11.8

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**CANDELA DISTRIBUTION (continued):**

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