

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: P695777

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T4W-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695777  
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-PA16-60-827-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA 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: 5051.1 lumens  
Efficiency: N/A  
Efficacy: 81.5 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: B1 - U3 - G2

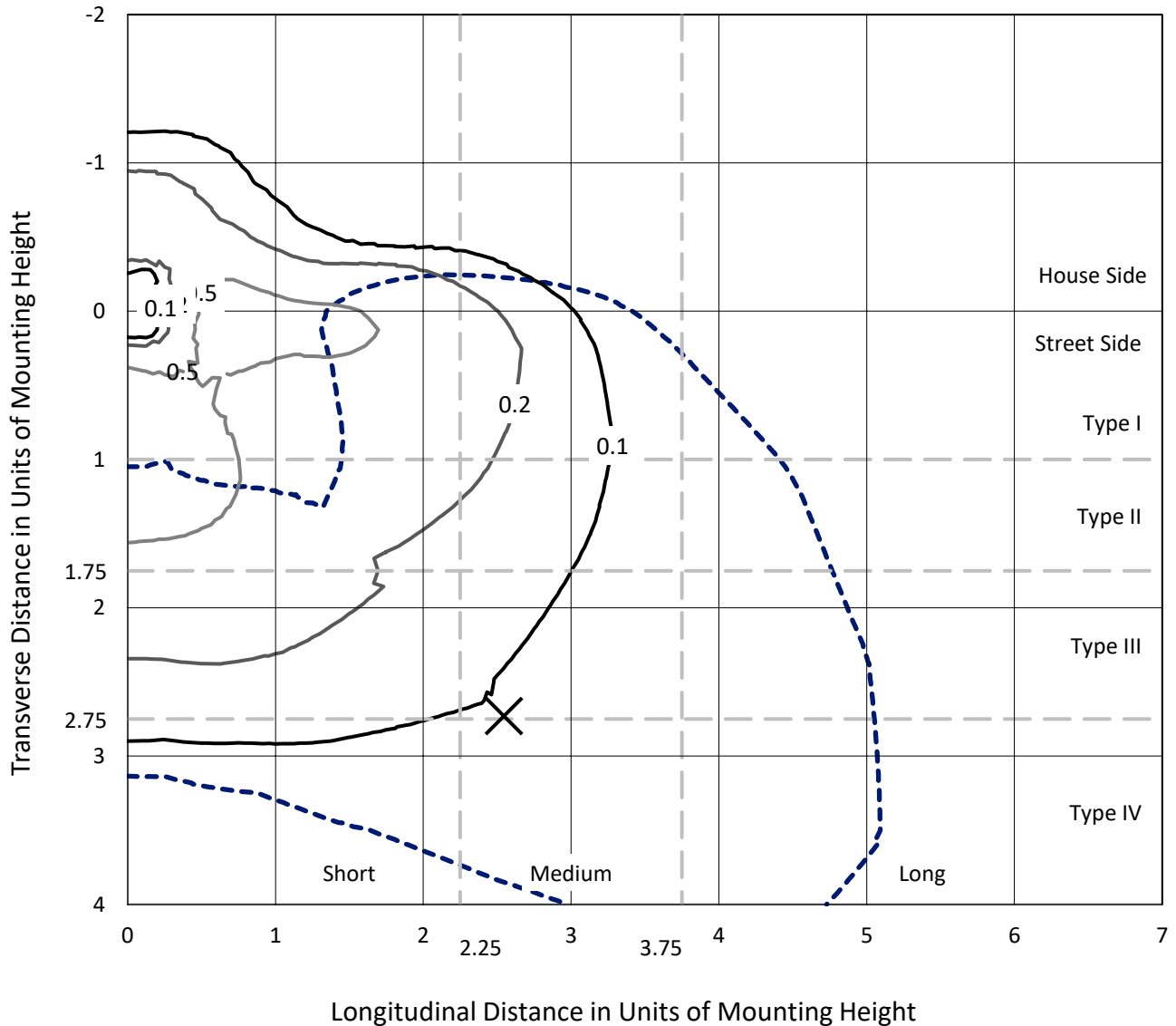
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

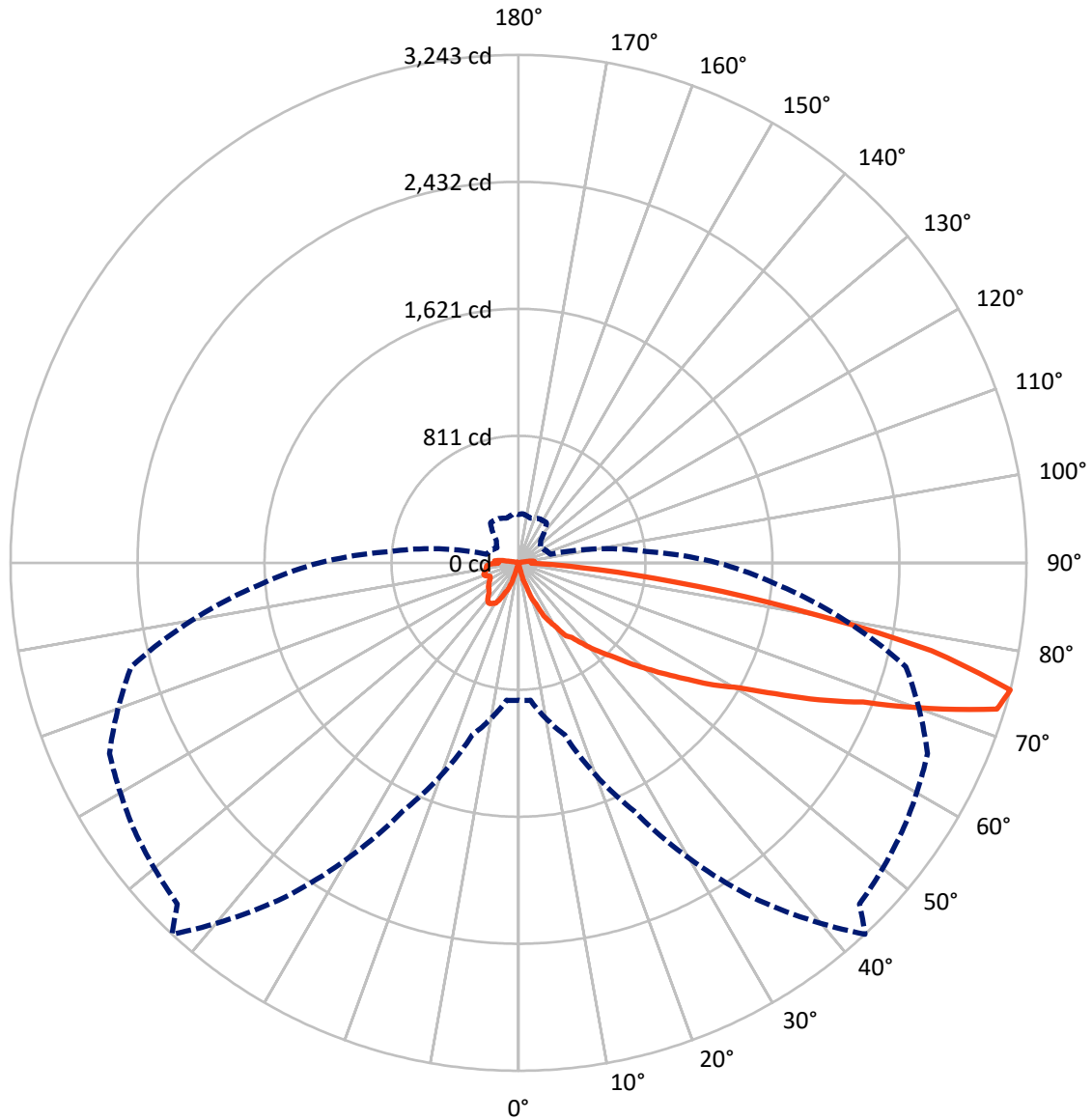
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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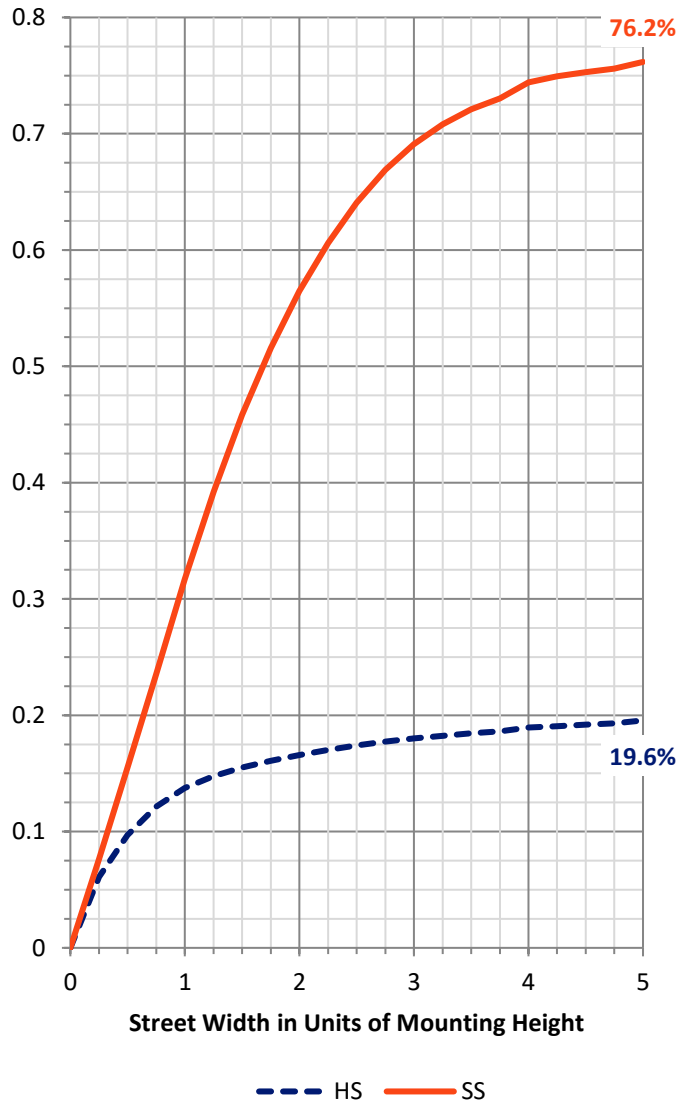
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1052.4	70.9	1123.3
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	3876.3	51.4	3927.8
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	4928.7	122.3	5051.1
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	30.0	0.6
20°-30°	164.1	3.2
30°-40°	384.1	7.6
40°-50°	581.8	11.5
50°-60°	904.9	17.9
60°-70°	1363.2	27.0
70°-80°	1226.7	24.3
80°-90°	273.4	5.4
90°-100°	94.0	1.9
100°-110°	15.4	0.3
110°-120°	5.0	0.1
120°-130°	3.7	0.1
130°-140°	2.3	0.0
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4928.7	97.6
0°-180°	5051.1	100.0

**Coefficient of Utilization**

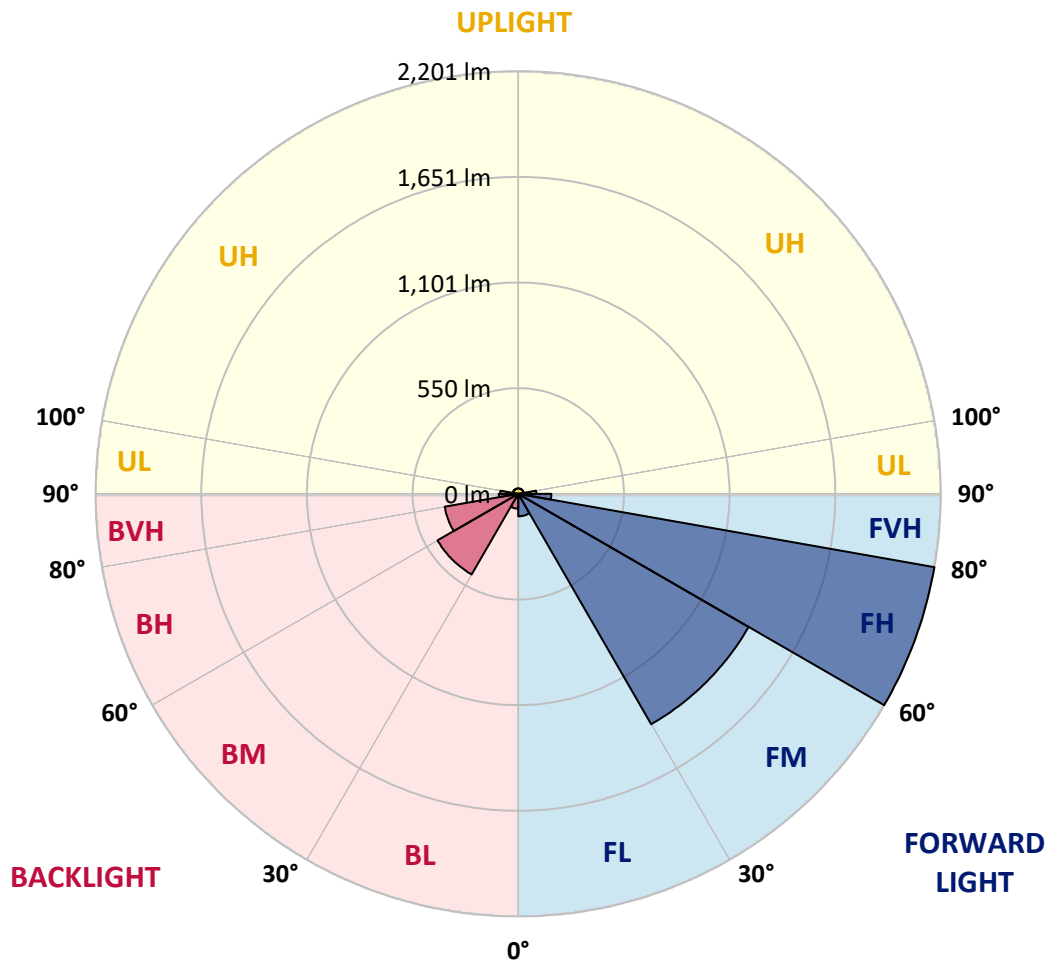


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.0	2.3			
FM (30°-60°)	1385.8	27.4			
FH (60°-80°)	2201.2	43.6			G2/5000
FVH (80°-90°)	172.2	3.4			G2/225
BL (0°-30°)	77.5	1.5	B0/110		
BM (30°-60°)	485.0	9.6	B1/1000		
BH (60°-80°)	388.7	7.7	B1/500		G1/500
BVH (80°-90°)	101.2	2.0			G2/225
UL (90°-100°)	94.0	1.9		U3/500	
UH (100°-180°)	28.3	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
7.5°	5.3	5.3	3.5	3.5	5.3	3.5	3.5	3.5	3.5	3.5	3.5
10°	35.1	35.1	31.6	19.3	8.8	5.3	5.3	5.3	3.5	5.3	5.3
12.5°	145.6	145.6	135.1	126.3	38.6	22.8	15.8	8.8	15.8	22.8	29.8
15°	173.7	173.7	166.7	150.9	140.4	110.5	71.9	42.1	114.1	121.1	119.3
17.5°	315.8	272.0	215.8	187.7	157.9	143.9	161.4	131.6	143.9	147.4	145.6
20°	370.2	363.2	347.4	329.9	200.0	243.9	226.3	224.6	175.5	226.3	266.7
22.5°	400.1	400.1	373.7	350.9	356.2	280.7	264.9	254.4	293.0	319.3	317.6
25°	556.2	556.2	533.4	387.8	375.5	373.7	345.7	366.7	368.5	366.7	370.2
27.5°	589.6	584.3	563.2	515.9	417.6	426.4	433.4	408.8	454.4	531.7	526.4
30°	842.2	812.4	659.7	554.5	521.1	477.3	461.5	496.6	543.9	563.2	566.7
32.5°	977.3	966.8	896.6	738.7	577.3	556.2	526.4	554.5	565.0	693.1	745.7
35°	1128.2	1108.9	1047.5	835.2	698.3	586.0	573.8	558.0	668.5	726.4	777.3
37.5°	1242.3	1240.5	1186.1	951.0	775.5	645.7	605.3	621.1	691.3	761.5	808.9
40°	1340.5	1333.5	1308.9	1058.0	840.5	715.9	645.7	658.0	724.7	794.8	849.2
42.5°	1444.1	1438.8	1440.5	1147.5	922.9	786.1	701.8	693.1	765.0	849.2	910.6
45°	1563.4	1559.9	1554.6	1280.9	1015.9	858.0	773.8	749.2	845.7	917.7	991.4
47.5°	1614.3	1607.2	1644.1	1394.9	1119.4	958.0	852.7	822.9	935.2	1019.4	1121.2
50°	1679.2	1672.2	1695.0	1510.7	1242.3	1063.3	958.0	912.4	1044.0	1159.8	1291.4
52.5°	1802.0	1865.2	1775.7	1637.1	1412.5	1180.9	1063.3	1028.2	1189.6	1347.5	1570.4
55°	1949.4	1935.3	1888.0	1782.7	1568.6	1314.2	1179.1	1159.8	1384.4	1584.4	1858.1
57.5°	1977.5	1961.7	2000.3	1931.8	1749.4	1472.1	1312.5	1321.2	1580.9	1831.8	2181.0
60°	2042.4	2031.9	2103.8	2140.6	1935.3	1617.8	1451.1	1535.3	1782.7	2084.5	2493.3
62.5°	2110.8	2123.1	2230.1	2284.5	2059.9	1838.8	1640.6	1779.2	2091.5	2358.2	2770.5
65°	2100.3	2117.8	2338.9	2367.0	2212.6	2107.3	1875.7	2056.4	2375.8	2640.7	2972.3
67.5°	2047.6	2065.2	2365.2	2479.3	2421.4	2374.0	2144.1	2356.5	2639.0	2832.0	3035.5
70°	1938.9	1940.6	2237.1	2568.8	2677.6	2784.6	2512.6	2651.2	2896.9	2998.6	2879.3
72.5°	1568.6	1580.9	1859.9	2393.3	2865.3	3193.4	2930.2	2926.7	3035.5	2949.5	2368.7
75°	877.3	880.8	1137.0	1749.4	2609.1	3242.5	3079.4	2989.9	2881.1	2560.0	1673.9
77.5°	266.7	298.3	398.3	889.6	1826.6	2695.1	2651.2	2630.2	2409.1	1805.5	910.6
80°	135.1	140.4	179.0	307.1	944.0	1784.5	1823.1	1888.0	1502.0	779.1	422.9
82.5°	77.2	80.7	108.8	163.2	401.8	996.6	1094.9	1031.7	645.7	366.7	293.0
85°	38.6	38.6	50.9	75.4	187.7	394.8	458.0	370.2	279.0	242.1	236.9
87.5°	21.1	21.1	17.5	22.8	57.9	87.7	101.8	138.6	149.1	152.7	201.8
90°	22.8	22.8	17.5	19.3	42.1	79.0	112.3	135.1	138.6	145.6	205.3
92.5°	22.8	22.8	17.5	17.5	38.6	93.0	128.1	147.4	143.9	156.2	210.6
95°	22.8	21.1	15.8	17.5	33.3	100.0	121.1	156.2	138.6	140.4	175.5
97.5°	14.0	14.0	10.5	14.0	24.6	77.2	84.2	112.3	94.7	63.2	82.5
100°	10.5	10.5	7.0	10.5	14.0	36.8	35.1	54.4	42.1	14.0	21.1
102.5°	10.5	12.3	7.0	7.0	8.8	10.5	12.3	17.5	17.5	10.5	14.0
105°	12.3	12.3	5.3	5.3	5.3	5.3	7.0	7.0	7.0	8.8	14.0
107.5°	10.5	10.5	5.3	3.5	3.5	5.3	5.3	3.5	5.3	7.0	15.8
110°	7.0	7.0	3.5	3.5	3.5	3.5	3.5	3.5	5.3	7.0	12.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	3.5	5.3	1.8	3.5	1.8	3.5	3.5	3.5	3.5	5.3	7.0
115°	5.3	3.5	1.8	1.8	1.8	3.5	3.5	3.5	3.5	5.3	7.0
117.5°	5.3	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3	8.8
120°	5.3	5.3	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3	7.0
122.5°	5.3	5.3	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3	7.0
125°	5.3	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.3	7.0
127.5°	5.3	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3	7.0
130°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	7.0
132.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
142.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
145°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	3.5
150°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	1.8	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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5	3.5
7.5°	3.5	3.5	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5	3.5
10°	5.3	5.3	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5
12.5°	31.6	29.8	21.1	12.3	5.3	3.5	3.5	3.5	5.3	7.0	7.0
15°	121.1	117.6	114.1	103.5	29.8	7.0	5.3	15.8	61.4	86.0	100.0
17.5°	142.1	140.4	136.9	129.8	119.3	40.4	52.6	112.3	133.4	136.9	140.4
20°	261.4	256.2	198.3	149.1	136.9	143.9	126.3	140.4	147.4	152.7	157.9
22.5°	310.6	305.3	289.5	264.9	163.2	189.5	182.5	161.4	245.6	264.9	268.5
25°	363.2	354.4	321.1	294.8	272.0	210.6	226.3	256.2	277.2	291.3	291.3
27.5°	517.6	500.1	458.0	324.6	301.8	257.9	277.2	272.0	307.1	377.2	382.5
30°	559.7	540.4	480.8	401.8	321.1	298.3	286.0	350.9	396.5	412.3	417.6
32.5°	745.7	728.2	622.9	414.1	352.7	298.3	331.6	365.0	396.5	470.2	477.3
35°	782.6	754.5	645.7	477.3	350.9	312.3	333.4	372.0	459.7	493.0	500.1
37.5°	819.4	791.3	643.9	458.0	373.7	317.6	326.4	380.8	428.1	450.9	456.2
40°	870.3	828.2	631.7	426.4	356.2	305.3	322.9	357.9	386.0	393.0	398.3
42.5°	937.0	879.1	617.6	394.8	329.9	286.0	301.8	328.1	345.7	335.1	335.1
45°	1030.0	940.5	591.3	363.2	305.3	264.9	284.2	303.5	312.3	293.0	287.8
47.5°	1145.8	1014.2	563.2	333.4	289.5	252.7	273.7	289.5	289.5	263.2	259.7
50°	1286.1	1105.4	526.4	308.8	272.0	245.6	263.2	277.2	268.5	242.1	240.4
52.5°	1500.2	1244.0	491.3	287.8	256.2	238.6	261.4	259.7	247.4	224.6	222.8
55°	1765.1	1424.8	459.7	272.0	245.6	226.3	256.2	249.2	235.1	214.1	214.1
57.5°	2028.3	1623.0	426.4	261.4	233.4	215.8	247.4	243.9	228.1	207.0	205.3
60°	2286.3	1805.5	377.2	252.7	217.6	205.3	236.9	245.6	224.6	203.5	203.5
62.5°	2495.1	1893.2	322.9	238.6	201.8	198.3	231.6	252.7	242.1	233.4	233.4
65°	2563.5	1840.6	280.7	228.1	191.3	193.0	233.4	279.0	282.5	293.0	294.8
67.5°	2516.1	1691.5	252.7	219.3	184.2	201.8	266.7	314.1	305.3	312.3	315.8
70°	2310.8	1472.1	236.9	208.8	184.2	215.8	293.0	314.1	301.8	322.9	324.6
72.5°	1875.7	1191.4	222.8	200.0	177.2	214.1	308.8	310.6	301.8	326.4	322.9
75°	1272.1	821.2	210.6	189.5	168.4	198.3	312.3	310.6	294.8	314.1	308.8
77.5°	642.2	417.6	194.8	177.2	156.2	189.5	308.8	312.3	291.3	307.1	301.8
80°	326.4	268.5	173.7	163.2	142.1	186.0	301.8	308.8	279.0	293.0	291.3
82.5°	250.9	210.6	145.6	142.1	129.8	182.5	291.3	298.3	264.9	275.5	268.5
85°	205.3	166.7	107.0	110.5	117.6	184.2	289.5	294.8	256.2	250.9	247.4
87.5°	173.7	128.1	52.6	56.1	86.0	164.9	247.4	243.9	200.0	198.3	201.8
90°	173.7	117.6	35.1	35.1	70.2	117.6	163.2	147.4	138.6	147.4	145.6
92.5°	172.0	107.0	36.8	36.8	79.0	129.8	184.2	152.7	142.1	145.6	143.9
95°	142.1	87.7	42.1	40.4	68.4	143.9	191.3	156.2	145.6	140.4	140.4
97.5°	71.9	49.1	40.4	40.4	54.4	117.6	152.7	122.8	93.0	77.2	82.5
100°	17.5	19.3	38.6	38.6	33.3	59.7	84.2	75.4	38.6	19.3	17.5
102.5°	14.0	12.3	29.8	33.3	21.1	21.1	38.6	43.9	29.8	8.8	8.8
105°	14.0	12.3	14.0	17.5	10.5	8.8	14.0	24.6	14.0	8.8	8.8
107.5°	15.8	14.0	7.0	7.0	7.0	7.0	7.0	8.8	7.0	8.8	8.8
110°	14.0	12.3	7.0	7.0	5.3	7.0	5.3	7.0	7.0	8.8	8.8

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	8.8	5.3	5.3	5.3	5.3	5.3	5.3	7.0	8.8	8.8
115°	8.8	8.8	5.3	5.3	3.5	5.3	5.3	5.3	7.0	10.5	10.5
117.5°	8.8	7.0	5.3	3.5	3.5	3.5	3.5	5.3	7.0	10.5	10.5
120°	8.8	7.0	5.3	3.5	3.5	3.5	3.5	3.5	7.0	10.5	10.5
122.5°	8.8	7.0	5.3	3.5	3.5	3.5	3.5	3.5	7.0	10.5	10.5
125°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	3.5	5.3	10.5	10.5
127.5°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	3.5	5.3	8.8	10.5
130°	7.0	7.0	3.5	3.5	1.8	1.8	3.5	3.5	5.3	8.8	8.8
132.5°	5.3	5.3	3.5	1.8	1.8	1.8	3.5	3.5	5.3	8.8	8.8
135°	5.3	3.5	3.5	1.8	1.8	1.8	1.8	3.5	5.3	7.0	7.0
137.5°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
140°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
142.5°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
145°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
147.5°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
150°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
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)