

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: P695862

Luminaire Tested: **LXF.LXT-PA16-727-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-727-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6207.9 lumens  
Efficiency: N/A  
Efficacy: 86.2 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: B1 - U3 - G2

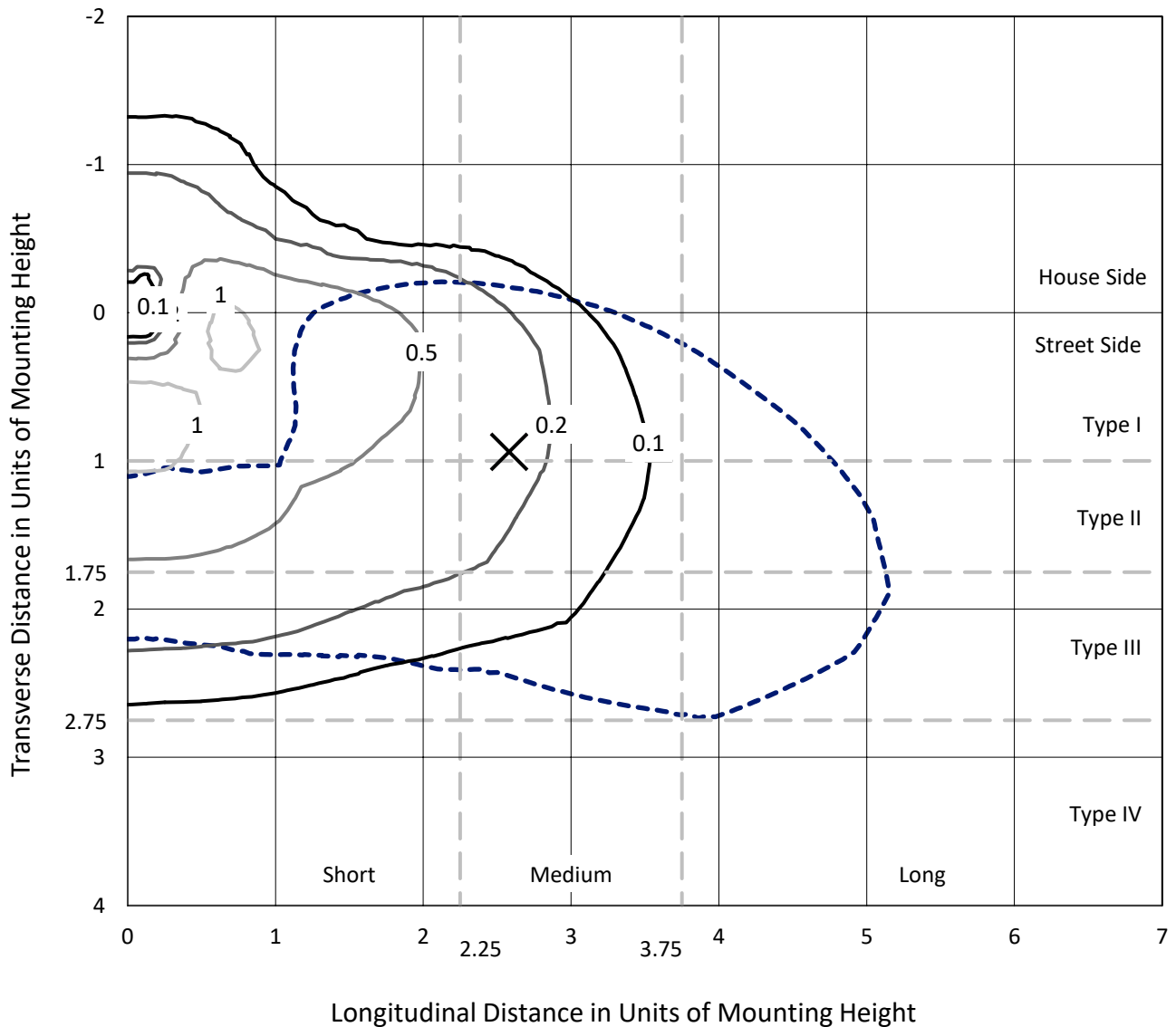
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

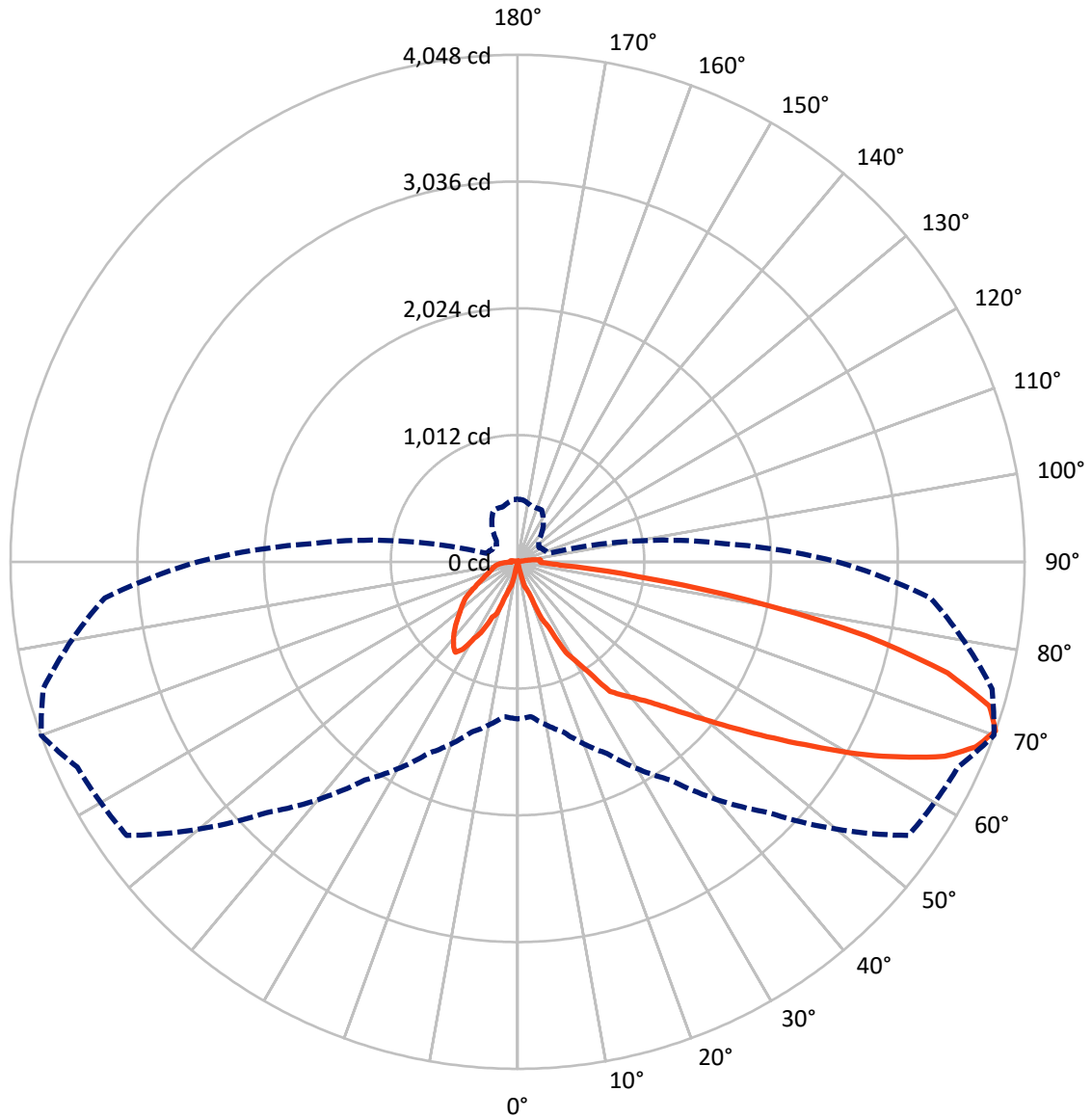
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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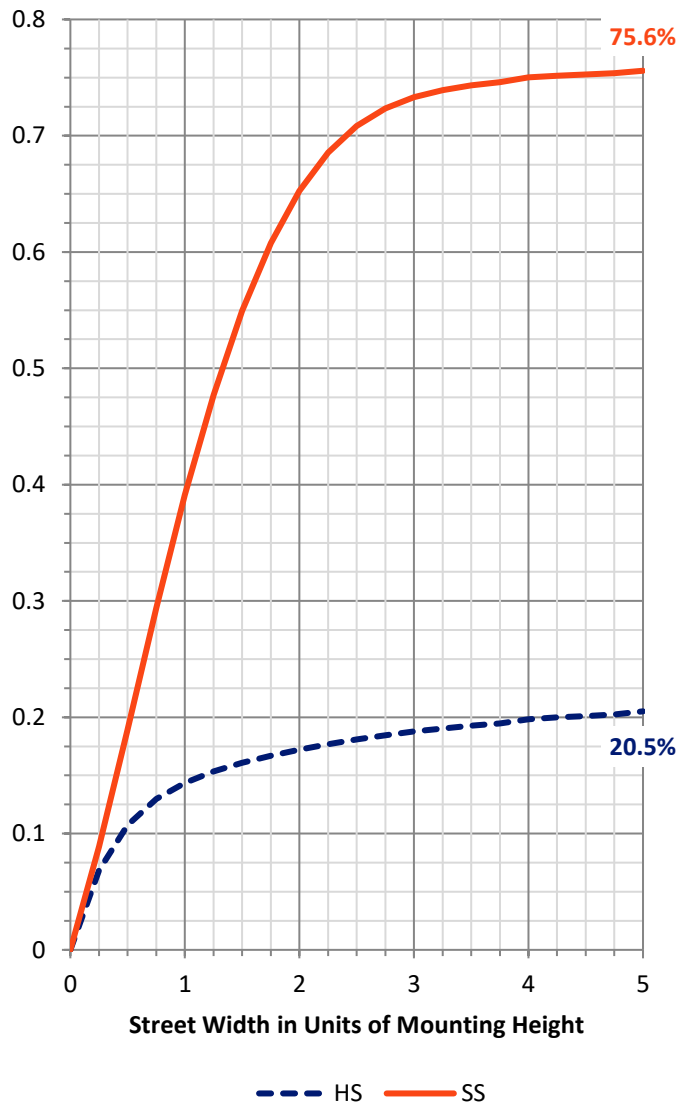
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1350.9	66.9	1417.8
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	4731.3	58.8	4790.1
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	6082.2	125.8	6207.9
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	44.3	0.7
20°-30°	253.7	4.1
30°-40°	585.6	9.4
40°-50°	857.7	13.8
50°-60°	1268.6	20.4
60°-70°	1663.8	26.8
70°-80°	1130.0	18.2
80°-90°	278.0	4.5
90°-100°	91.3	1.5
100°-110°	16.3	0.3
110°-120°	6.5	0.1
120°-130°	5.1	0.1
130°-140°	3.6	0.1
140°-150°	2.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6082.2	98.0
0°-180°	6207.9	100.0

**Coefficient of Utilization**

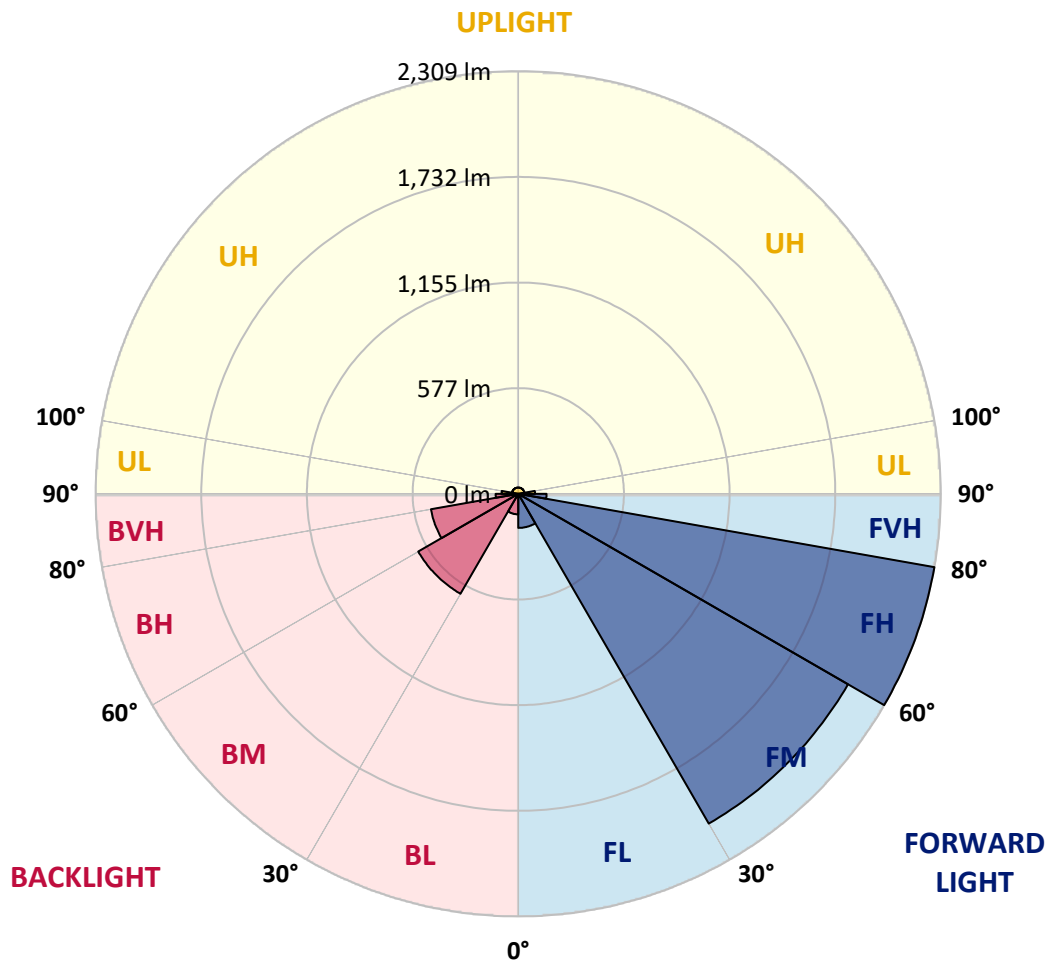


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.4	3.0			
FM (30°-60°)	2081.0	33.5			
FH (60°-80°)	2309.4	37.2			G2/5000
FVH (80°-90°)	154.4	2.5			G2/225
BL (0°-30°)	112.1	1.8	B1/500		
BM (30°-60°)	630.9	10.2	B1/1000		
BH (60°-80°)	484.4	7.8	B1/500		G1/500
BVH (80°-90°)	123.5	2.0			G2/225
UL (90°-100°)	91.3	1.5		U3/500	
UH (100°-180°)	34.4	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
5°	4.3	4.3	4.3	4.3	6.5	6.5	4.3	4.3	4.3	4.3	4.3
7.5°	6.5	4.3	4.3	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3
10°	36.9	39.1	26.1	15.2	10.9	6.5	6.5	6.5	6.5	6.5	6.5
12.5°	199.9	197.7	193.4	134.7	47.8	15.2	10.9	19.6	23.9	30.4	43.5
15°	225.9	228.1	221.6	219.4	206.4	78.2	41.3	182.5	199.9	202.0	202.0
17.5°	315.0	312.8	282.4	247.7	232.5	241.2	193.4	217.3	225.9	230.3	232.5
20°	530.1	527.9	521.4	445.4	286.8	352.0	341.1	258.5	273.7	352.0	447.5
22.5°	590.9	586.6	577.9	556.2	575.7	401.9	391.1	454.1	493.2	517.1	514.9
25°	906.0	914.6	753.9	625.7	636.6	549.7	590.9	586.6	575.7	580.1	586.6
27.5°	1008.1	999.4	986.3	923.3	708.3	747.4	673.5	749.5	819.1	858.2	847.3
30°	1292.7	1290.5	1136.3	1027.6	929.9	810.4	838.6	945.1	921.2	927.7	892.9
32.5°	1509.9	1507.8	1486.0	1268.8	1053.7	916.8	995.0	999.4	1060.2	1179.7	1190.6
35°	1594.7	1586.0	1570.8	1412.2	1199.3	1079.8	1051.5	1236.2	1270.9	1275.3	1244.9
37.5°	1681.6	1670.7	1657.7	1481.7	1342.6	1144.9	1205.8	1347.0	1347.0	1375.2	1299.2
40°	1731.5	1731.5	1729.4	1540.3	1407.8	1203.6	1281.8	1431.7	1427.4	1446.9	1375.2
42.5°	1794.5	1788.0	1811.9	1601.2	1475.2	1264.4	1355.7	1512.1	1525.1	1575.1	1477.3
45°	1883.6	1892.3	1903.2	1731.5	1566.4	1353.5	1442.6	1638.1	1651.1	1718.5	1625.1
47.5°	1981.4	1992.2	2031.3	1868.4	1714.2	1466.5	1516.4	1781.5	1811.9	1894.5	1811.9
50°	2103.0	2105.2	2161.7	2005.3	1903.2	1627.2	1651.1	1920.5	2000.9	2074.8	2024.8
52.5°	2189.9	2198.6	2268.2	2181.3	2077.0	1820.6	1846.7	2100.9	2226.9	2318.1	2255.1
55°	2266.0	2272.5	2337.7	2316.0	2222.5	1968.3	2100.9	2344.2	2485.4	2563.6	2537.6
57.5°	2294.2	2300.7	2398.5	2415.9	2370.3	2155.2	2368.1	2585.3	2774.4	2861.3	2817.8
60°	2274.7	2274.7	2394.2	2487.6	2533.2	2361.6	2650.5	2856.9	3113.3	3171.9	3187.1
62.5°	2209.5	2226.9	2372.4	2518.0	2650.5	2563.6	2937.3	3193.7	3430.5	3484.8	3450.0
65°	2066.1	2070.5	2224.7	2452.8	2663.6	2783.1	3304.5	3478.3	3745.5	3725.9	3578.2
67.5°	1794.5	1764.1	1898.8	2220.4	2520.2	2896.0	3610.8	3719.4	3943.2	3878.0	3545.6
70°	1253.6	1240.5	1405.6	1688.1	2124.8	2830.8	3808.5	3878.0	4047.5	3921.5	3308.8
72.5°	595.3	643.1	725.6	966.8	1473.0	2389.8	3754.2	3862.8	3938.9	3795.5	2874.3
75°	260.7	267.2	310.7	438.9	758.2	1509.9	3284.9	3469.6	3545.6	3382.7	2263.8
77.5°	186.8	186.8	206.4	239.0	345.4	721.3	2237.7	2748.3	2846.1	2687.5	1586.0
80°	145.6	145.6	160.8	182.5	215.1	297.6	1394.8	1842.3	1877.1	1642.5	884.2
82.5°	108.6	113.0	126.0	136.9	158.6	204.2	597.5	947.2	971.1	762.6	462.8
85°	78.2	78.2	86.9	86.9	104.3	158.6	308.5	347.6	345.4	306.3	286.8
87.5°	26.1	26.1	21.7	26.1	43.5	99.9	193.4	195.5	186.8	212.9	241.2
90°	30.4	30.4	21.7	23.9	32.6	91.2	186.8	186.8	178.2	191.2	241.2
92.5°	32.6	32.6	23.9	23.9	28.2	80.4	189.0	197.7	186.8	193.4	239.0
95°	32.6	32.6	23.9	21.7	26.1	54.3	182.5	182.5	176.0	171.6	189.0
97.5°	19.6	19.6	15.2	17.4	21.7	28.2	108.6	113.0	99.9	78.2	102.1
100°	13.0	13.0	10.9	13.0	15.2	15.2	52.1	54.3	41.3	19.6	21.7
102.5°	13.0	13.0	8.7	10.9	8.7	8.7	15.2	19.6	13.0	13.0	17.4
105°	13.0	15.2	6.5	6.5	6.5	6.5	6.5	13.0	10.9	10.9	17.4
107.5°	13.0	13.0	6.5	6.5	6.5	6.5	4.3	6.5	8.7	10.9	19.6
110°	6.5	8.7	4.3	6.5	4.3	6.5	4.3	6.5	8.7	8.7	15.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.3	4.3	2.2	4.3	4.3	4.3	4.3	6.5	6.5	6.5	10.9
115°	4.3	4.3	2.2	2.2	2.2	4.3	4.3	4.3	6.5	6.5	10.9
117.5°	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	4.3	6.5	10.9
120°	6.5	4.3	2.2	2.2	2.2	2.2	4.3	4.3	6.5	6.5	10.9
122.5°	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	10.9
125°	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	10.9
127.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	10.9
130°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	6.5	8.7
132.5°	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	8.7
135°	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	6.5
137.5°	4.3	4.3	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
140°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
142.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
145°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5
150°	6.5	6.5	6.5	4.3	4.3	2.2	4.3	4.3	4.3	4.3	6.5
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5
7.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
10°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5
12.5°	39.1	39.1	30.4	15.2	6.5	4.3	4.3	4.3	6.5	10.9	8.7
15°	206.4	206.4	202.0	184.7	39.1	10.9	8.7	19.6	86.9	156.4	158.6
17.5°	236.8	234.6	230.3	219.4	195.5	69.5	67.3	182.5	195.5	204.2	206.4
20°	445.4	441.0	341.1	243.3	212.9	210.7	184.7	206.4	212.9	217.3	219.4
22.5°	508.4	501.9	478.0	421.5	243.3	286.8	269.4	223.8	334.6	358.5	358.5
25°	584.4	567.0	519.2	454.1	415.0	302.0	310.7	325.9	345.4	349.8	349.8
27.5°	832.1	816.9	747.4	499.7	445.4	356.3	360.6	330.2	347.6	397.6	404.1
30°	871.2	847.3	784.3	617.0	462.8	399.8	345.4	386.7	406.3	404.1	406.3
32.5°	1160.1	1136.3	1008.1	634.4	497.5	375.9	378.0	386.7	399.8	421.5	436.7
35°	1205.8	1179.7	1034.1	721.3	475.8	373.7	373.7	391.1	449.7	458.4	458.4
37.5°	1255.7	1234.0	1023.3	673.5	480.1	373.7	362.8	399.8	423.6	421.5	421.5
40°	1342.6	1307.9	995.0	614.8	436.7	358.5	362.8	375.9	388.9	375.9	369.3
42.5°	1444.8	1381.7	958.1	554.0	401.9	338.9	343.3	347.6	347.6	323.7	321.5
45°	1575.1	1457.8	908.1	497.5	369.3	315.0	325.9	319.4	319.4	299.8	297.6
47.5°	1722.8	1536.0	847.3	447.5	341.1	293.3	308.5	302.0	306.3	289.0	286.8
50°	1894.5	1638.1	788.6	410.6	317.2	282.4	291.1	299.8	306.3	284.6	282.4
52.5°	2074.8	1738.0	747.4	369.3	295.5	269.4	297.6	299.8	304.2	282.4	282.4
55°	2296.4	1861.9	697.4	338.9	280.3	258.5	312.8	312.8	306.3	286.8	284.6
57.5°	2535.4	1985.7	604.0	310.7	267.2	252.0	319.4	330.2	315.0	291.1	291.1
60°	2757.0	2109.6	497.5	289.0	254.2	249.8	323.7	338.9	325.9	304.2	304.2
62.5°	2926.4	2170.4	417.1	271.6	239.0	243.3	321.5	356.3	352.0	341.1	341.1
65°	2946.0	2116.1	349.8	256.4	225.9	241.2	317.2	373.7	375.9	393.2	395.4
67.5°	2841.7	1942.3	297.6	243.3	215.1	234.6	319.4	410.6	421.5	454.1	449.7
70°	2554.9	1659.8	258.5	228.1	206.4	236.8	358.5	456.2	454.1	495.3	499.7
72.5°	2133.5	1314.4	234.6	219.4	210.7	254.2	404.1	469.3	460.6	506.2	501.9
75°	1618.6	927.7	215.1	208.6	204.2	258.5	415.0	456.2	438.9	469.3	464.9
77.5°	1064.6	610.5	195.5	195.5	197.7	247.7	397.6	434.5	412.8	432.3	430.2
80°	599.6	362.8	176.0	184.7	189.0	236.8	371.5	404.1	382.4	397.6	397.6
82.5°	360.6	258.5	154.3	169.5	173.8	234.6	347.6	375.9	356.3	365.0	354.1
85°	245.5	189.0	121.7	143.4	162.9	225.9	328.1	347.6	312.8	306.3	297.6
87.5°	199.9	147.7	67.3	91.2	121.7	193.4	260.7	262.9	230.3	225.9	223.8
90°	195.5	136.9	47.8	50.0	80.4	134.7	171.6	165.1	154.3	156.4	154.3
92.5°	191.2	130.4	52.1	54.3	80.4	106.5	145.6	143.4	132.5	143.4	141.2
95°	162.9	113.0	54.3	58.7	69.5	65.2	106.5	113.0	104.3	110.8	113.0
97.5°	84.7	60.8	52.1	58.7	52.1	39.1	63.0	71.7	54.3	43.5	47.8
100°	28.2	19.6	52.1	60.8	39.1	28.2	45.6	52.1	32.6	13.0	13.0
102.5°	17.4	17.4	36.9	47.8	28.2	15.2	30.4	36.9	23.9	10.9	10.9
105°	17.4	17.4	15.2	26.1	10.9	8.7	10.9	19.6	13.0	10.9	10.9
107.5°	19.6	17.4	8.7	8.7	8.7	6.5	6.5	8.7	8.7	10.9	10.9
110°	17.4	15.2	8.7	8.7	6.5	6.5	6.5	6.5	8.7	13.0	13.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.9	13.0	8.7	6.5	6.5	6.5	6.5	6.5	8.7	13.0	13.0
115°	10.9	10.9	6.5	6.5	4.3	6.5	6.5	6.5	8.7	13.0	15.2
117.5°	13.0	10.9	6.5	4.3	4.3	4.3	4.3	6.5	8.7	15.2	15.2
120°	13.0	10.9	6.5	6.5	4.3	4.3	4.3	6.5	8.7	15.2	17.4
122.5°	13.0	10.9	6.5	4.3	4.3	4.3	4.3	6.5	8.7	15.2	17.4
125°	10.9	10.9	6.5	4.3	4.3	4.3	4.3	6.5	8.7	15.2	15.2
127.5°	10.9	10.9	6.5	4.3	4.3	4.3	4.3	6.5	8.7	15.2	15.2
130°	10.9	8.7	6.5	4.3	4.3	4.3	4.3	6.5	8.7	13.0	15.2
132.5°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	4.3	8.7	13.0	13.0
135°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	8.7	10.9
137.5°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	8.7
140°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3	6.5	6.5
142.5°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3	6.5	6.5
145°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3	6.5	6.5
147.5°	6.5	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3	6.5	6.5
150°	6.5	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	6.5	6.5
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)