

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: P695499

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695499  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-827-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4426.1 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

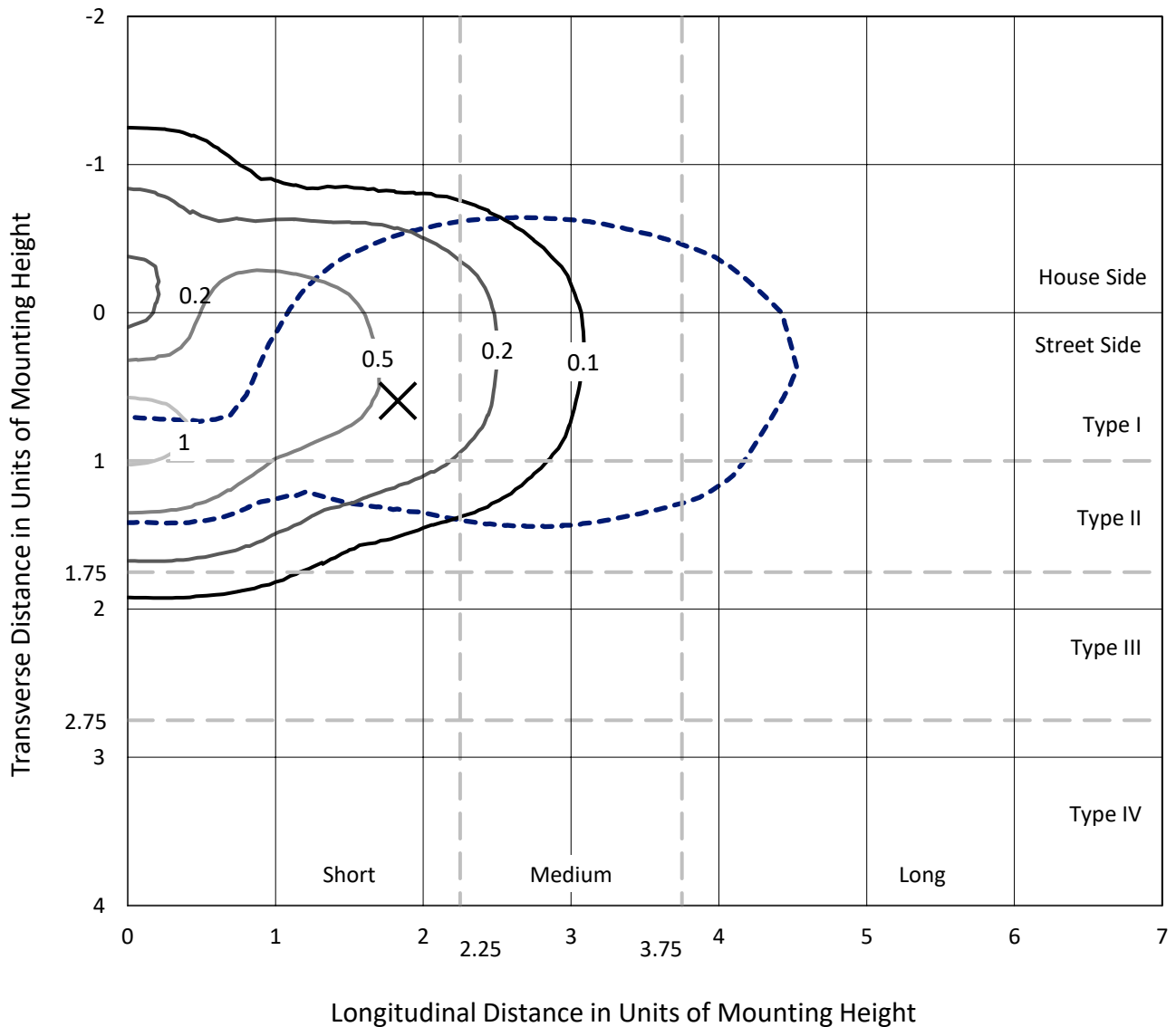
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

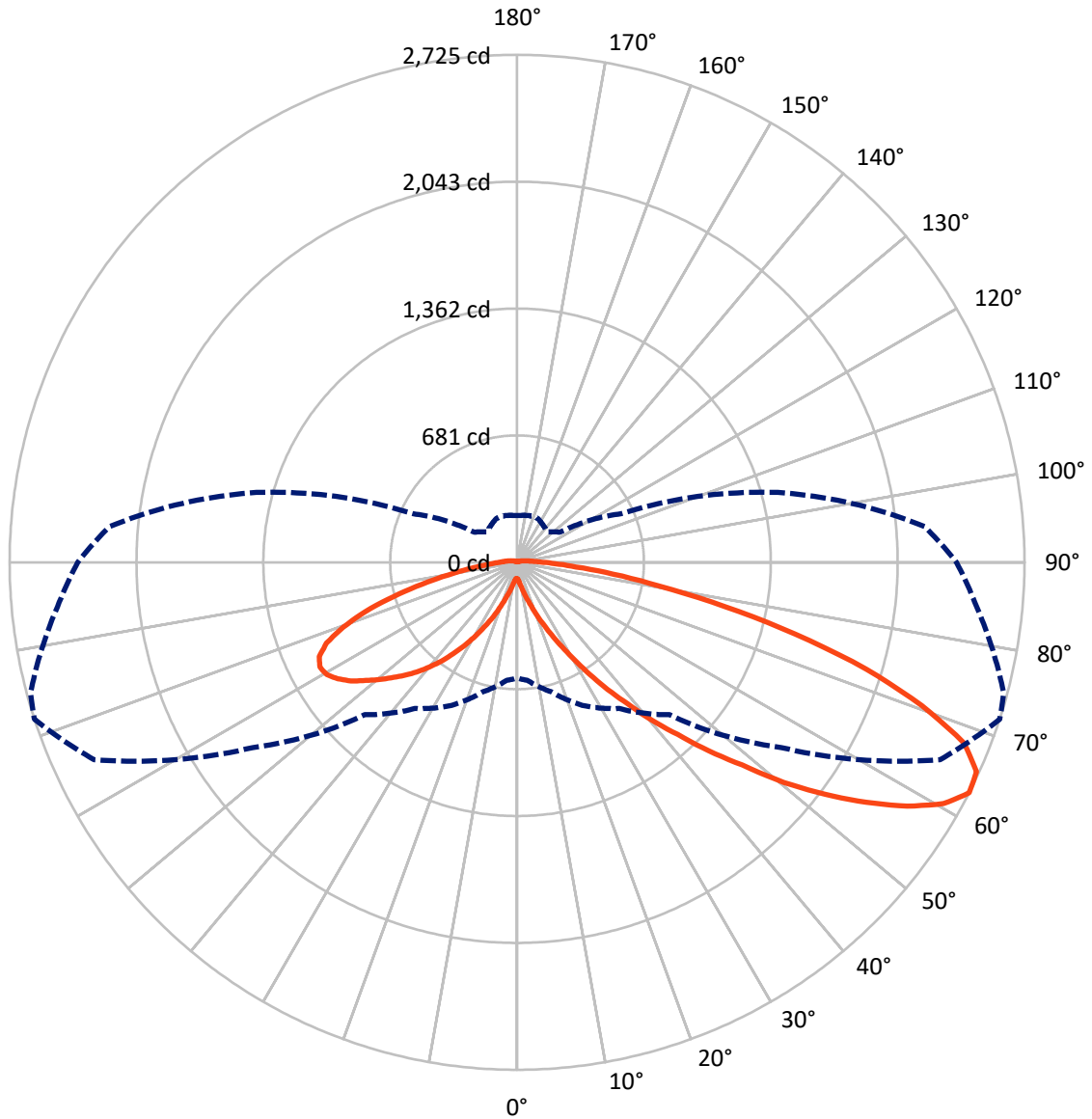
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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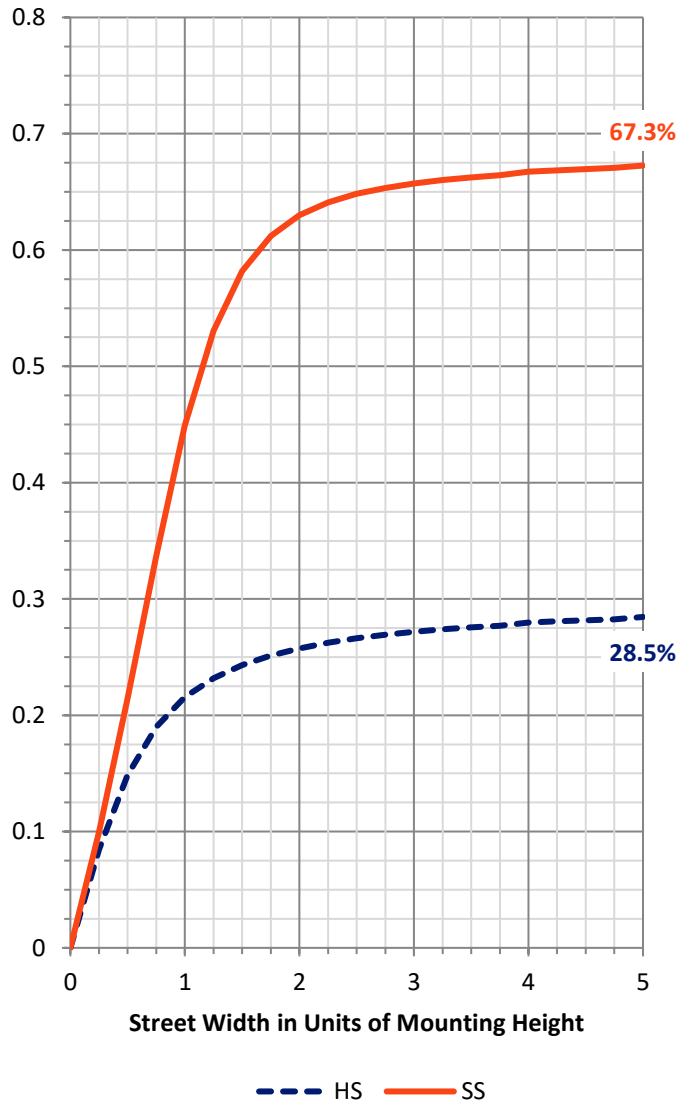
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1297.7	66.1	1363.8
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	3008.8	53.6	3062.3
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	4306.5	119.6	4426.1
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	55.9	1.3
20°-30°	184.5	4.2
30°-40°	440.7	10.0
40°-50°	783.5	17.7
50°-60°	1036.0	23.4
60°-70°	995.4	22.5
70°-80°	604.2	13.7
80°-90°	196.0	4.4
90°-100°	60.3	1.4
100°-110°	28.2	0.6
110°-120°	14.6	0.3
120°-130°	8.6	0.2
130°-140°	5.2	0.1
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4306.5	97.3
0°-180°	4426.1	100.0

**Coefficient of Utilization**

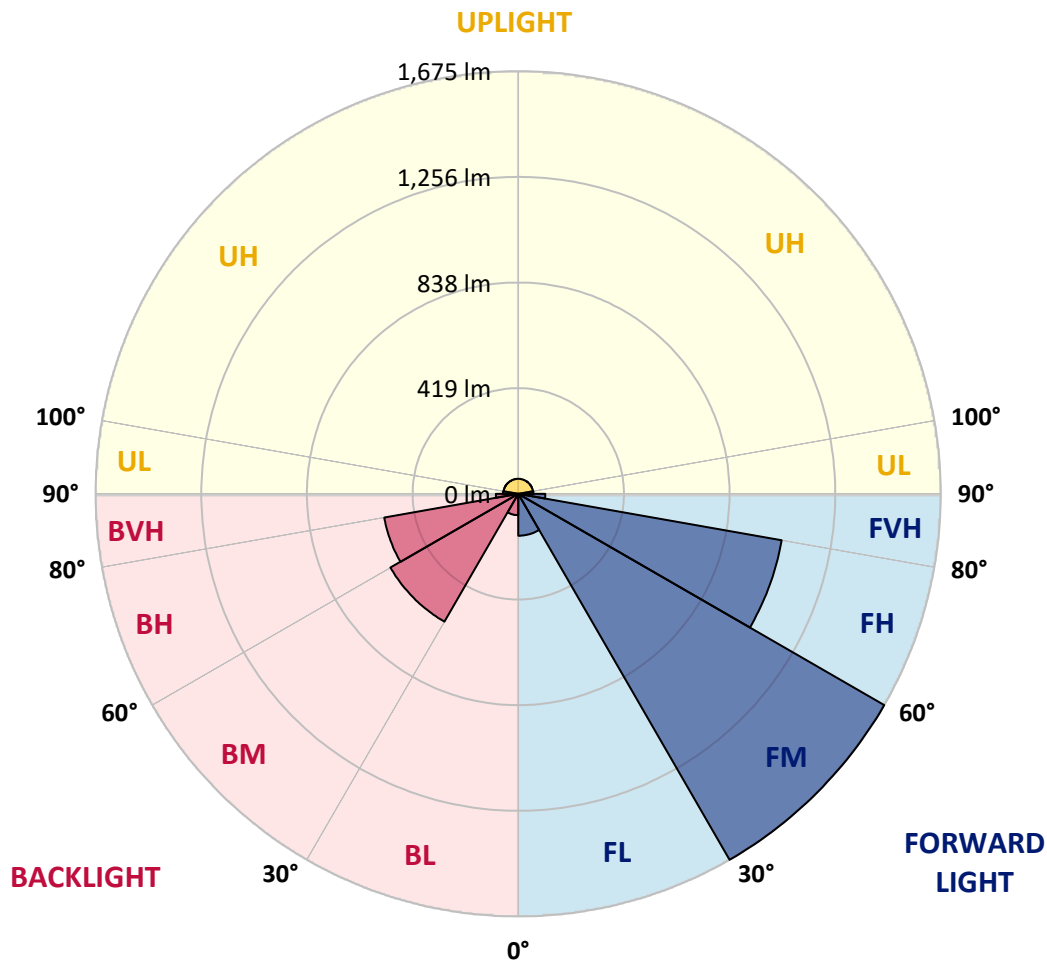


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.0	3.8			
FM (30°-60°)	1675.2	37.8			
FH (60°-80°)	1060.3	24.0			G1/1800
FVH (80°-90°)	107.3	2.4			G2/225
BL (0°-30°)	84.7	1.9	B0/110		
BM (30°-60°)	585.0	13.2	B1/1000		
BH (60°-80°)	539.2	12.2	B2/1000		G2/1000
BVH (80°-90°)	88.8	2.0			G1/100
UL (90°-100°)	60.3	1.4		U3/500	
UH (100°-180°)	59.4	1.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2.5°	97.7	99.2	97.7	99.2	97.7	96.1	96.1	93.0	93.0	91.5	89.9
5°	116.3	117.9	117.9	116.3	113.2	111.6	107.0	105.4	102.3	100.8	97.7
7.5°	142.7	141.1	142.7	138.0	136.5	133.4	127.2	122.5	117.9	116.3	111.6
10°	176.8	175.2	173.7	170.6	165.9	159.7	153.5	144.2	141.1	139.6	131.8
12.5°	217.1	220.2	215.5	210.9	203.1	195.4	184.5	173.7	169.0	167.5	155.1
15°	276.0	276.0	269.8	262.1	246.6	234.2	223.3	212.4	204.7	201.6	190.7
17.5°	350.5	345.8	338.0	319.4	305.5	285.3	272.9	255.9	248.1	246.6	232.6
20°	432.6	435.7	418.7	395.4	369.1	344.3	325.6	308.6	300.8	299.3	282.2
22.5°	541.2	541.2	517.9	486.9	443.5	409.4	387.7	370.6	359.8	353.6	342.7
25°	666.8	666.8	640.4	580.0	533.4	486.9	455.9	437.3	432.6	426.4	410.9
27.5°	817.2	821.9	772.2	711.8	626.5	570.7	533.4	522.6	513.3	516.4	485.4
30°	990.9	983.1	930.4	837.4	739.7	666.8	629.6	614.1	607.9	609.4	581.5
32.5°	1156.8	1144.4	1096.3	989.3	859.1	776.9	735.0	722.6	718.0	711.8	677.6
35°	1349.1	1338.2	1270.0	1139.8	995.5	888.5	838.9	838.9	838.9	831.2	781.5
37.5°	1535.2	1515.0	1440.6	1297.9	1130.4	1009.5	967.6	973.8	964.5	953.7	897.8
40°	1684.0	1670.1	1598.8	1453.0	1268.5	1141.3	1101.0	1110.3	1114.9	1099.4	1021.9
42.5°	1789.5	1783.3	1725.9	1589.4	1392.5	1271.6	1256.1	1266.9	1263.8	1246.7	1161.5
45°	1840.7	1834.5	1797.2	1685.6	1513.5	1400.3	1401.8	1449.9	1442.1	1423.5	1301.0
47.5°	1812.7	1820.5	1806.5	1736.8	1589.4	1508.8	1552.2	1637.5	1626.7	1609.6	1459.2
50°	1729.0	1725.9	1747.6	1722.8	1618.9	1581.7	1699.5	1854.6	1857.7	1812.7	1640.6
52.5°	1553.8	1561.5	1623.6	1637.5	1594.1	1609.6	1823.6	2064.0	2070.2	2015.9	1814.3
55°	1346.0	1344.4	1425.1	1496.4	1499.5	1578.6	1894.9	2243.8	2274.9	2234.5	2000.4
57.5°	1070.0	1097.9	1181.6	1294.8	1350.6	1484.0	1919.7	2405.1	2470.2	2414.4	2167.9
60°	828.1	849.8	950.6	1073.1	1163.0	1339.8	1857.7	2493.5	2631.5	2592.7	2347.7
62.5°	621.8	635.8	721.1	849.8	958.3	1156.8	1733.7	2505.9	2724.5	2704.4	2467.1
65°	457.5	465.2	547.4	659.0	766.0	938.2	1510.4	2400.5	2710.6	2724.5	2549.3
67.5°	331.8	344.3	404.7	504.0	595.5	752.1	1266.9	2174.1	2588.1	2628.4	2519.9
70°	262.1	268.3	310.1	387.7	454.3	573.8	1021.9	1862.4	2305.9	2397.4	2372.5
72.5°	210.9	214.0	246.6	305.5	348.9	435.7	772.2	1505.7	1961.6	2067.1	2124.4
75°	173.7	176.8	203.1	243.5	277.6	325.6	566.0	1139.8	1541.4	1656.1	1780.2
77.5°	138.0	144.2	164.4	195.4	220.2	248.1	397.0	823.4	1139.8	1229.7	1373.9
80°	110.1	113.2	131.8	156.6	175.2	195.4	291.5	545.8	770.7	882.3	990.9
82.5°	83.7	86.8	100.8	121.0	136.5	150.4	207.8	359.8	517.9	573.8	634.2
85°	60.5	60.5	74.4	91.5	105.4	119.4	152.0	234.2	316.3	348.9	390.8
87.5°	40.3	41.9	51.2	66.7	82.2	93.0	111.6	153.5	201.6	212.4	240.4
90°	27.9	29.5	35.7	48.1	62.0	72.9	83.7	105.4	127.2	138.0	158.2
92.5°	20.2	21.7	27.9	35.7	48.1	58.9	66.7	76.0	89.9	97.7	108.5
95°	15.5	17.1	21.7	29.5	38.8	48.1	54.3	58.9	68.2	72.9	80.6
97.5°	14.0	14.0	18.6	24.8	32.6	40.3	45.0	48.1	54.3	57.4	63.6
100°	12.4	12.4	15.5	21.7	27.9	34.1	37.2	38.8	43.4	45.0	49.6
102.5°	10.9	10.9	14.0	18.6	24.8	29.5	32.6	32.6	35.7	35.7	38.8
105°	9.3	9.3	12.4	17.1	21.7	26.4	27.9	27.9	27.9	29.5	29.5
107.5°	9.3	9.3	10.9	15.5	18.6	23.3	24.8	23.3	23.3	23.3	23.3
110°	7.8	7.8	10.9	14.0	17.1	20.2	20.2	20.2	18.6	18.6	18.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.8	7.8	9.3	12.4	15.5	17.1	18.6	17.1	15.5	15.5	15.5
115°	7.8	7.8	9.3	10.9	14.0	15.5	15.5	14.0	12.4	12.4	12.4
117.5°	6.2	7.8	7.8	10.9	12.4	14.0	14.0	12.4	10.9	10.9	10.9
120°	6.2	6.2	7.8	9.3	10.9	12.4	12.4	10.9	9.3	9.3	10.9
122.5°	6.2	6.2	7.8	9.3	10.9	10.9	10.9	9.3	9.3	9.3	9.3
125°	6.2	6.2	6.2	7.8	9.3	10.9	9.3	9.3	7.8	7.8	9.3
127.5°	6.2	6.2	6.2	7.8	9.3	9.3	9.3	7.8	7.8	7.8	7.8
130°	6.2	6.2	6.2	6.2	7.8	7.8	7.8	7.8	6.2	6.2	7.8
132.5°	6.2	6.2	6.2	6.2	7.8	7.8	7.8	6.2	6.2	6.2	6.2
135°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.7	6.2	6.2
137.5°	6.2	6.2	4.7	6.2	6.2	6.2	6.2	4.7	4.7	4.7	6.2
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	4.7	4.7
145°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2.5°	89.9	88.4	86.8	85.3	85.3	83.7	83.7	82.2	82.2	82.2	82.2
5°	96.1	94.6	91.5	88.4	85.3	83.7	80.6	79.1	79.1	77.5	77.5
7.5°	110.1	105.4	100.8	96.1	91.5	86.8	83.7	80.6	79.1	79.1	79.1
10°	127.2	124.1	114.8	108.5	102.3	96.1	91.5	86.8	83.7	83.7	82.2
12.5°	153.5	148.9	136.5	128.7	117.9	108.5	102.3	96.1	93.0	91.5	91.5
15°	184.5	178.3	167.5	152.0	138.0	125.6	116.3	111.6	108.5	107.0	107.0
17.5°	226.4	217.1	200.0	181.4	162.8	145.8	136.5	128.7	124.1	125.6	125.6
20°	276.0	265.2	241.9	217.1	190.7	172.1	156.6	148.9	145.8	145.8	145.8
22.5°	330.3	317.9	293.1	259.0	224.8	198.5	178.3	169.0	169.0	169.0	169.0
25°	401.6	379.9	348.9	303.9	259.0	221.7	200.0	192.3	192.3	193.8	195.4
27.5°	469.9	455.9	409.4	352.0	294.6	246.6	218.6	210.9	215.5	218.6	220.2
30°	556.7	531.9	476.1	401.6	327.2	266.7	235.7	229.5	237.3	241.9	243.5
32.5°	652.8	618.7	547.4	455.9	356.7	282.2	248.1	245.0	252.8	260.5	260.5
35°	750.5	710.2	620.3	508.6	379.9	291.5	255.9	255.9	265.2	272.9	272.9
37.5°	857.5	803.3	699.4	553.6	398.5	296.2	260.5	262.1	272.9	277.6	279.1
40°	970.7	908.7	773.8	595.5	407.8	294.6	262.1	266.7	274.5	279.1	279.1
42.5°	1088.6	1018.8	854.4	626.5	409.4	291.5	260.5	266.7	274.5	276.0	276.0
45°	1221.9	1139.8	932.0	649.7	403.2	285.3	259.0	266.7	271.4	269.8	269.8
47.5°	1369.3	1268.5	1006.4	668.3	390.8	277.6	257.4	266.7	268.3	265.2	263.6
50°	1535.2	1411.1	1093.2	676.1	376.8	269.8	255.9	265.2	265.2	259.0	259.0
52.5°	1707.3	1575.5	1181.6	677.6	359.8	262.1	255.9	265.2	263.6	254.3	254.3
55°	1865.5	1736.8	1276.2	676.1	341.2	252.8	252.8	265.2	262.1	252.8	252.8
57.5°	2068.6	1908.9	1355.3	663.7	321.0	246.6	251.2	265.2	260.5	251.2	251.2
60°	2220.6	2067.1	1417.3	646.6	302.4	237.3	248.1	263.6	259.0	251.2	251.2
62.5°	2358.6	2197.3	1448.3	617.2	280.7	229.5	243.5	260.5	259.0	252.8	251.2
65°	2428.4	2253.1	1435.9	572.2	260.5	220.2	238.8	257.4	255.9	251.2	251.2
67.5°	2411.3	2231.4	1366.2	514.8	240.4	210.9	231.1	248.1	249.7	248.1	248.1
70°	2285.7	2087.2	1234.3	443.5	221.7	198.5	221.7	238.8	240.4	240.4	241.9
72.5°	2040.7	1843.8	1063.8	376.8	201.6	186.1	207.8	224.8	228.0	229.5	228.0
75°	1715.1	1515.0	851.3	311.7	183.0	172.1	192.3	207.8	212.4	212.4	212.4
77.5°	1319.6	1158.4	642.0	249.7	164.4	156.6	175.2	189.2	192.3	193.8	192.3
80°	936.6	817.2	452.8	201.6	145.8	141.1	155.1	165.9	169.0	172.1	170.6
82.5°	611.0	545.8	317.9	159.7	125.6	122.5	134.9	142.7	145.8	145.8	144.2
85°	370.6	339.6	209.3	127.2	107.0	103.9	113.2	117.9	119.4	119.4	119.4
87.5°	231.1	209.3	147.3	102.3	89.9	88.4	93.0	94.6	99.2	97.7	96.1
90°	148.9	139.6	108.5	80.6	72.9	72.9	76.0	76.0	79.1	79.1	76.0
92.5°	107.0	102.3	83.7	66.7	60.5	62.0	63.6	62.0	63.6	63.6	63.6
95°	82.2	79.1	69.8	57.4	51.2	52.7	51.2	51.2	52.7	52.7	51.2
97.5°	65.1	65.1	57.4	48.1	45.0	43.4	45.0	43.4	45.0	43.4	41.9
100°	51.2	51.2	48.1	41.9	38.8	37.2	38.8	37.2	38.8	37.2	35.7
102.5°	40.3	41.9	40.3	35.7	34.1	32.6	32.6	32.6	32.6	31.0	31.0
105°	31.0	32.6	34.1	31.0	29.5	27.9	27.9	27.9	27.9	26.4	24.8
107.5°	24.8	26.4	27.9	26.4	26.4	24.8	24.8	24.8	23.3	21.7	21.7
110°	20.2	21.7	23.3	23.3	21.7	21.7	21.7	21.7	20.2	18.6	18.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.1	17.1	18.6	20.2	20.2	20.2	20.2	18.6	17.1	17.1	17.1
115°	14.0	15.5	17.1	17.1	17.1	17.1	17.1	15.5	15.5	14.0	14.0
117.5°	12.4	12.4	14.0	15.5	15.5	15.5	15.5	14.0	12.4	12.4	14.0
120°	10.9	10.9	12.4	14.0	14.0	14.0	14.0	12.4	10.9	12.4	12.4
122.5°	10.9	10.9	10.9	12.4	12.4	12.4	12.4	10.9	10.9	10.9	10.9
125°	9.3	9.3	10.9	10.9	10.9	10.9	10.9	9.3	9.3	10.9	10.9
127.5°	9.3	9.3	9.3	9.3	10.9	10.9	9.3	9.3	9.3	9.3	9.3
130°	7.8	7.8	9.3	9.3	9.3	9.3	9.3	7.8	7.8	9.3	9.3
132.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
135°	6.2	6.2	7.8	7.8	7.8	7.8	7.8	6.2	7.8	7.8	7.8
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.8	7.8
140°	4.7	4.7	4.7	6.2	6.2	6.2	6.2	4.7	6.2	6.2	6.2
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2
145°	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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)