

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: P695509

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T4W-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695509  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)  
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-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4290.1 lumens  
Efficiency: N/A  
Efficacy: 80.8 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 - G3

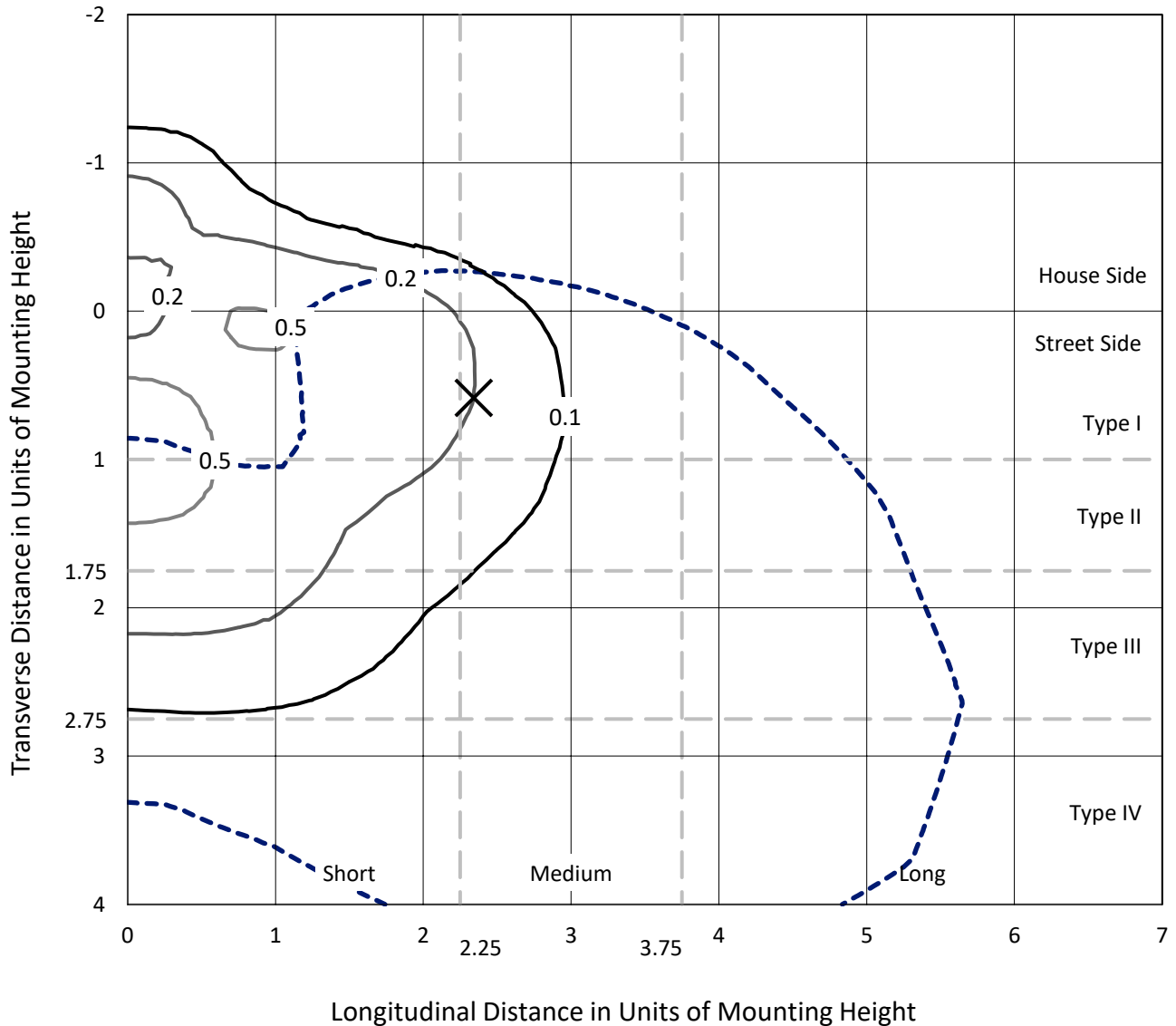
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

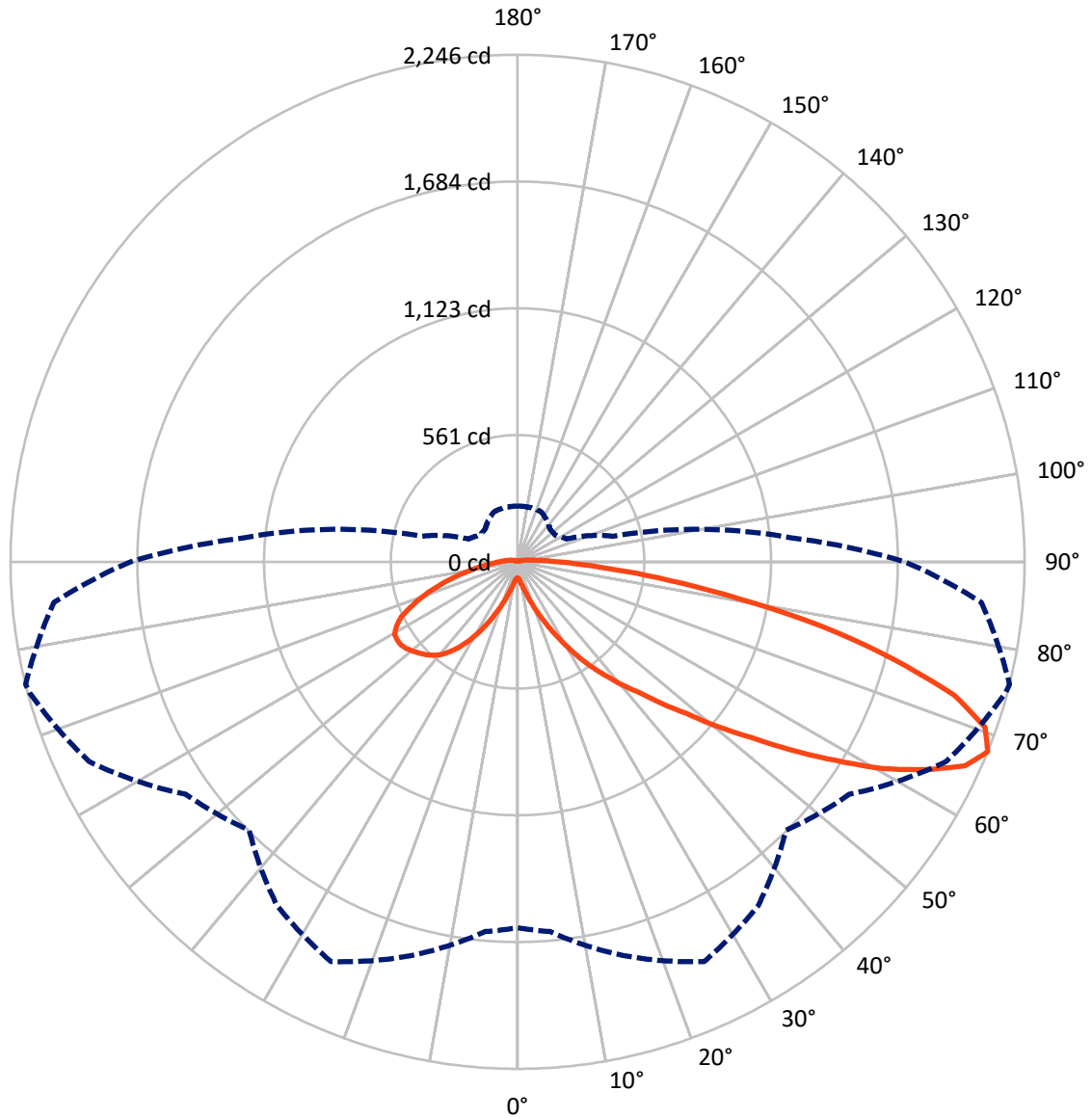
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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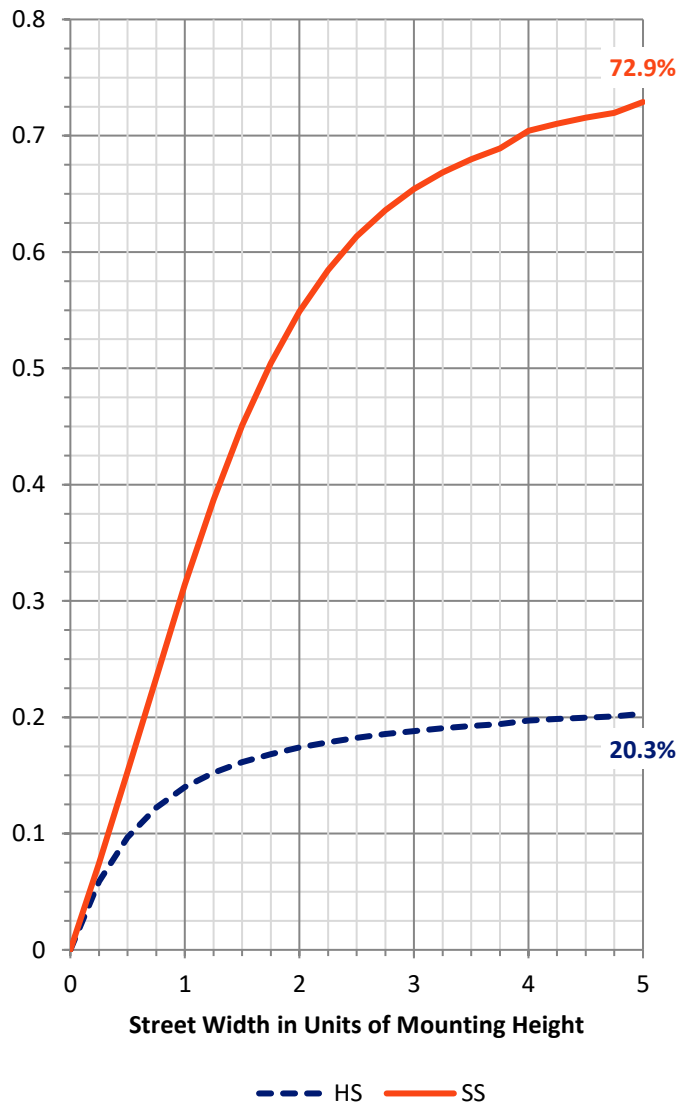
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	918.7	74.1	992.9
	% Fixture	21.4	1.7	23.1
<b>Street Side</b>	Lumens	3222.3	74.9	3297.2
	% Fixture	75.1	1.7	76.9
<b>Total</b>	Lumens	4141.1	149.0	4290.1
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.1	0.2
10°-20°	42.4	1.0
20°-30°	133.9	3.1
30°-40°	298.4	7.0
40°-50°	512.2	11.9
50°-60°	799.0	18.6
60°-70°	1093.9	25.5
70°-80°	916.8	21.4
80°-90°	336.4	7.8
90°-100°	84.7	2.0
100°-110°	32.2	0.8
110°-120°	15.4	0.4
120°-130°	8.7	0.2
130°-140°	5.1	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°	4141.1	96.5
0°-180°	4290.1	100.0

**Coefficient of Utilization**

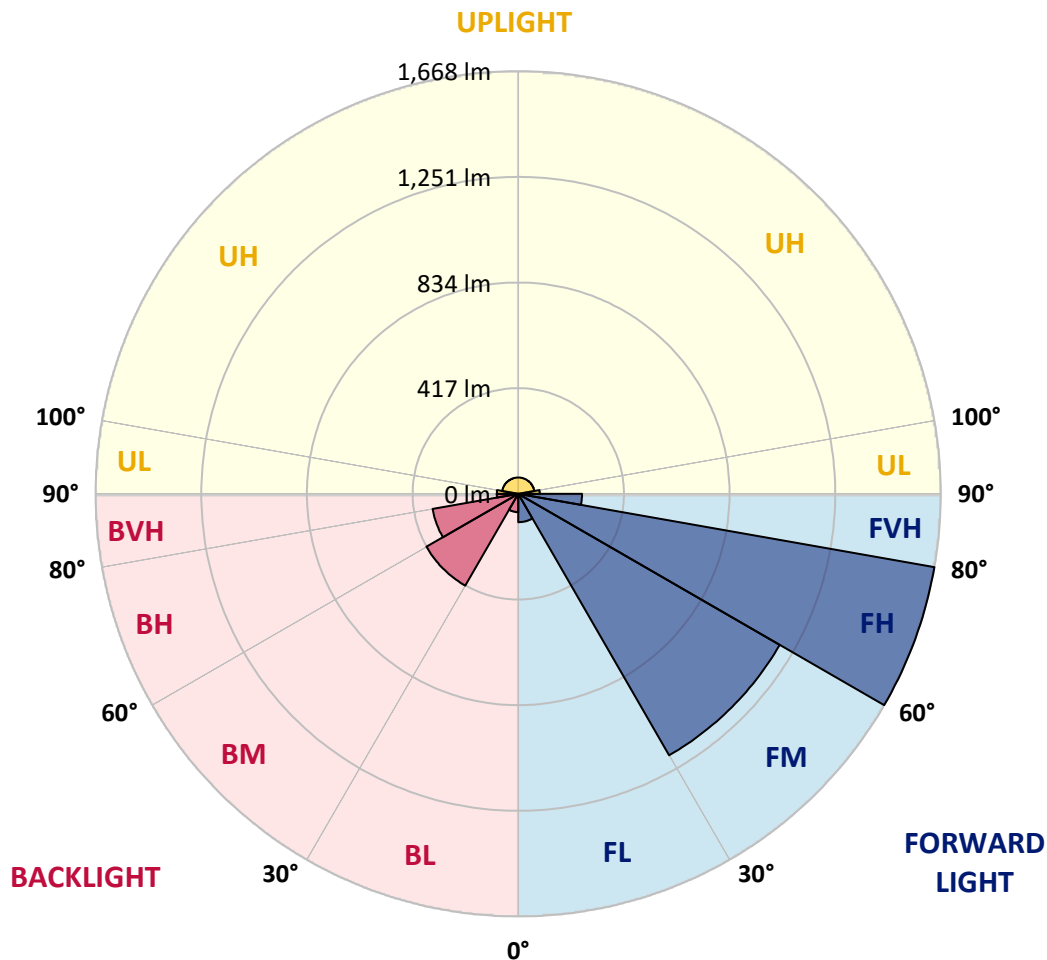


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.0	2.6			
FM (30°-60°)	1191.2	27.8			
FH (60°-80°)	1667.6	38.9			G1/1800
FVH (80°-90°)	251.5	5.9			G3/500
BL (0°-30°)	72.3	1.7	B0/110		
BM (30°-60°)	418.3	9.8	B1/1000		
BH (60°-80°)	343.2	8.0	B1/500		G1/500
BVH (80°-90°)	84.9	2.0			G1/100
UL (90°-100°)	84.7	2.0		U3/500	
UH (100°-180°)	64.3	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2.5°	76.0	76.0	76.0	76.0	77.5	76.0	76.0	74.4	74.4	72.9	72.9
5°	86.8	86.8	86.8	86.8	86.8	85.3	83.7	82.2	80.6	79.1	79.1
7.5°	102.3	102.3	102.3	100.8	99.2	97.7	96.1	93.0	89.9	89.9	86.8
10°	124.1	124.1	124.1	122.5	117.9	114.8	111.7	107.0	105.5	103.9	100.8
12.5°	153.5	153.5	150.4	147.3	141.1	136.5	131.8	127.2	125.6	124.1	119.4
15°	190.7	189.2	186.1	176.8	170.6	162.8	158.2	153.5	148.9	148.9	147.3
17.5°	235.7	234.2	226.4	214.0	204.7	192.3	186.1	183.0	183.0	181.4	178.3
20°	290.0	290.0	279.1	260.5	241.9	226.4	221.8	220.2	220.2	221.8	217.1
22.5°	359.8	358.2	342.7	311.7	285.3	265.2	260.5	260.5	265.2	265.2	263.6
25°	437.3	435.8	407.8	373.7	331.9	310.1	299.3	307.0	317.9	319.5	321.0
27.5°	531.9	525.7	493.1	440.4	386.1	352.0	344.3	356.7	378.4	376.8	379.9
30°	629.6	626.5	581.5	516.4	443.5	397.0	390.8	414.0	438.9	440.4	448.2
32.5°	744.4	727.3	685.4	598.6	502.4	445.1	435.8	469.9	507.1	510.2	517.9
35°	859.1	857.6	789.3	687.0	564.5	490.0	482.3	522.6	575.3	576.9	587.7
37.5°	975.4	969.2	904.1	773.8	632.7	541.2	528.8	581.5	640.5	643.6	659.1
40°	1097.9	1090.2	1020.4	866.9	704.0	597.0	583.1	645.1	713.3	719.5	738.2
42.5°	1204.9	1203.4	1136.7	969.2	773.8	651.3	642.0	708.7	789.3	792.4	820.3
45°	1322.8	1302.6	1240.6	1071.6	860.7	718.0	708.7	790.9	882.4	894.8	918.0
47.5°	1415.8	1406.5	1349.1	1183.2	949.1	790.9	781.6	879.3	990.9	1001.8	1021.9
50°	1510.4	1499.6	1448.4	1288.7	1045.2	876.2	874.6	990.9	1127.4	1144.4	1166.2
52.5°	1588.0	1581.8	1550.7	1401.9	1147.5	961.5	978.5	1122.7	1277.8	1290.2	1311.9
55°	1660.8	1656.2	1650.0	1527.5	1270.1	1074.7	1088.6	1270.1	1448.4	1471.7	1505.8
57.5°	1715.1	1722.9	1735.3	1650.0	1398.8	1187.9	1217.3	1449.9	1637.6	1659.3	1693.4
60°	1752.3	1764.7	1809.7	1772.5	1533.7	1313.5	1375.5	1615.9	1834.5	1859.3	1876.4
62.5°	1757.0	1777.1	1868.6	1876.4	1660.8	1445.3	1515.1	1792.7	2022.2	2026.8	2006.7
65°	1721.3	1736.8	1865.5	1940.0	1774.0	1574.0	1668.6	1974.1	2166.4	2177.2	2084.2
67.5°	1620.5	1643.8	1805.1	1953.9	1857.8	1681.0	1794.2	2093.5	2237.7	2245.5	2060.9
70°	1432.9	1474.8	1667.0	1873.3	1874.8	1739.9	1876.4	2144.7	2205.2	2195.8	1921.4
72.5°	1206.5	1217.3	1429.8	1705.8	1809.7	1738.4	1867.1	2082.6	2039.2	2022.2	1660.8
75°	882.4	911.8	1110.3	1446.8	1654.6	1636.0	1757.0	1898.1	1749.2	1718.2	1353.8
77.5°	597.0	628.0	784.7	1110.3	1392.6	1453.0	1555.4	1597.3	1408.1	1381.7	992.5
80°	375.3	397.0	507.1	775.4	1091.7	1186.3	1263.9	1237.5	1021.9	997.1	705.6
82.5°	209.3	220.2	310.1	505.5	769.2	902.5	963.0	897.9	704.0	676.1	457.5
85°	110.1	124.1	175.2	307.0	513.3	642.0	690.1	593.9	432.7	423.4	285.3
87.5°	60.5	66.7	100.8	184.5	317.9	435.8	457.5	373.7	268.3	255.9	181.4
90°	37.2	40.3	58.9	110.1	196.9	272.9	286.9	234.2	167.5	164.4	121.0
92.5°	24.8	26.4	40.3	71.3	124.1	175.2	184.5	145.8	110.1	107.0	86.8
95°	18.6	20.2	31.0	51.2	85.3	119.4	117.9	99.2	74.4	72.9	63.6
97.5°	15.5	17.1	26.4	40.3	62.0	80.6	80.6	65.1	54.3	54.3	49.6
100°	14.0	14.0	21.7	32.6	46.5	58.9	58.9	48.1	40.3	40.3	37.2
102.5°	12.4	12.4	18.6	27.9	37.2	46.5	45.0	37.2	31.0	31.0	29.5
105°	10.9	10.9	17.1	23.3	31.0	37.2	35.7	29.5	24.8	23.3	21.7
107.5°	9.3	9.3	14.0	20.2	27.9	31.0	29.5	24.8	18.6	18.6	17.1
110°	9.3	9.3	12.4	18.6	23.3	26.4	24.8	20.2	15.5	15.5	14.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	7.8	7.8	10.9	15.5	20.2	23.3	21.7	17.1	12.4	12.4	12.4
115°	7.8	7.8	9.3	14.0	17.1	20.2	18.6	14.0	10.9	10.9	10.9
117.5°	7.8	7.8	9.3	12.4	15.5	17.1	15.5	12.4	9.3	9.3	9.3
120°	6.2	6.2	7.8	10.9	14.0	15.5	14.0	10.9	7.8	7.8	9.3
122.5°	6.2	6.2	7.8	9.3	12.4	14.0	12.4	9.3	7.8	7.8	7.8
125°	6.2	6.2	7.8	9.3	10.9	12.4	10.9	7.8	7.8	7.8	7.8
127.5°	6.2	6.2	6.2	7.8	9.3	10.9	9.3	7.8	6.2	6.2	7.8
130°	6.2	6.2	6.2	7.8	9.3	9.3	7.8	6.2	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	7.8	7.8	6.2	6.2	6.2	6.2	6.2
137.5°	6.2	4.7	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	6.2	6.2	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	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	3.1	4.7	4.7	3.1	3.1	3.1	4.7	4.7
147.5°	3.1	3.1	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	3.1	3.1	3.1	3.1	3.1	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°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2.5°	72.9	71.3	71.3	71.3	71.3	69.8	69.8	69.8	69.8	68.2	69.8
5°	77.5	77.5	76.0	72.9	72.9	71.3	71.3	69.8	69.8	68.2	68.2
7.5°	86.8	85.3	82.2	80.6	77.5	76.0	74.4	72.9	72.9	71.3	71.3
10°	99.2	97.7	93.0	89.9	86.8	83.7	82.2	80.6	79.1	77.5	77.5
12.5°	117.9	114.8	110.1	102.3	99.2	94.6	91.5	89.9	89.9	89.9	88.4
15°	144.2	139.6	131.8	122.5	113.2	107.0	105.5	105.5	105.5	107.0	107.0
17.5°	175.2	169.0	159.7	144.2	131.8	124.1	122.5	122.5	124.1	127.2	127.2
20°	214.0	206.2	192.3	172.1	153.5	142.7	139.6	142.7	148.9	150.4	150.4
22.5°	259.0	252.8	229.5	200.0	176.8	162.8	159.7	162.8	170.6	176.8	178.3
25°	313.2	303.9	271.4	232.6	200.0	183.0	178.3	186.1	196.9	206.2	206.2
27.5°	373.7	362.9	317.9	266.7	223.3	200.0	195.4	206.2	224.9	235.7	237.3
30°	438.9	421.8	362.9	299.3	243.5	215.6	212.5	228.0	249.7	263.6	265.2
32.5°	510.2	482.3	409.4	328.8	262.1	226.4	224.9	245.0	271.4	288.4	290.0
35°	576.9	545.9	451.3	350.5	274.5	234.2	234.2	257.4	288.4	305.5	307.0
37.5°	642.0	601.7	486.9	367.5	280.7	237.3	238.8	266.7	297.7	314.8	316.4
40°	713.3	662.2	517.9	375.3	282.2	238.8	241.9	271.4	299.3	316.4	316.4
42.5°	787.8	725.7	538.1	375.3	279.1	237.3	240.4	269.8	296.2	308.6	310.1
45°	874.6	794.0	552.1	369.1	272.9	232.6	237.3	266.7	286.9	293.1	294.6
47.5°	973.9	865.3	562.9	359.8	265.2	228.0	234.2	259.0	276.0	276.0	276.0
50°	1099.5	946.0	572.2	344.3	255.9	223.3	229.5	252.8	262.1	259.0	259.0
52.5°	1235.9	1034.3	578.4	328.8	246.6	217.1	224.9	246.6	251.2	243.5	243.5
55°	1387.9	1138.2	578.4	313.2	237.3	212.5	221.8	240.4	241.9	234.2	231.1
57.5°	1533.7	1220.4	570.7	296.2	228.0	207.8	218.7	237.3	237.3	229.5	228.0
60°	1663.9	1296.4	558.3	280.7	221.8	204.7	218.7	235.7	235.7	229.5	229.5
62.5°	1757.0	1321.2	527.3	266.7	215.6	204.7	220.2	237.3	238.8	235.7	234.2
65°	1780.2	1308.8	491.6	251.2	209.3	203.1	223.3	241.9	243.5	241.9	241.9
67.5°	1715.1	1217.3	437.3	238.8	204.7	203.1	224.9	245.0	246.6	246.6	246.6
70°	1546.1	1080.9	387.7	224.9	200.0	201.6	228.0	248.1	248.1	248.1	248.1
72.5°	1307.3	907.2	336.5	212.5	192.3	198.5	228.0	246.6	246.6	245.0	245.0
75°	1032.8	718.0	288.4	200.0	183.0	192.3	224.9	241.9	240.4	238.8	237.3
77.5°	764.5	533.5	241.9	183.0	172.1	184.5	215.6	231.1	229.5	228.0	224.9
80°	527.3	372.2	201.6	165.9	158.2	172.1	201.6	215.6	214.0	210.9	210.9
82.5°	342.7	255.9	162.8	145.8	142.7	158.2	186.1	196.9	193.8	190.7	189.2
85°	221.8	173.7	130.3	124.1	127.2	141.1	162.8	172.1	170.6	167.5	164.4
87.5°	145.8	124.1	102.3	102.3	108.6	124.1	139.6	144.2	142.7	142.7	139.6
90°	102.3	93.0	83.7	85.3	93.0	107.0	114.8	116.3	114.8	116.3	113.2
92.5°	76.0	71.3	68.2	71.3	79.1	89.9	94.6	91.5	93.0	93.0	91.5
95°	58.9	57.4	57.4	60.5	68.2	76.0	77.5	72.9	76.0	76.0	74.4
97.5°	46.5	46.5	48.1	51.2	57.4	63.6	63.6	60.5	62.0	62.0	62.0
100°	37.2	37.2	40.3	43.4	49.6	54.3	52.7	49.6	51.2	49.6	48.1
102.5°	29.5	31.0	34.1	37.2	41.9	45.0	45.0	41.9	41.9	40.3	40.3
105°	23.3	24.8	27.9	32.6	35.7	38.8	38.8	35.7	32.6	31.0	31.0
107.5°	18.6	20.2	23.3	26.4	31.0	32.6	32.6	29.5	26.4	23.3	23.3
110°	15.5	17.1	20.2	23.3	26.4	27.9	27.9	24.8	21.7	18.6	18.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	14.0	17.1	20.2	21.7	23.3	23.3	21.7	17.1	15.5	15.5
115°	10.9	12.4	14.0	17.1	18.6	20.2	20.2	17.1	14.0	12.4	12.4
117.5°	10.9	10.9	12.4	15.5	17.1	18.6	17.1	15.5	12.4	10.9	10.9
120°	9.3	10.9	12.4	12.4	15.5	15.5	15.5	12.4	10.9	10.9	10.9
122.5°	9.3	9.3	10.9	12.4	12.4	14.0	14.0	10.9	9.3	9.3	9.3
125°	7.8	9.3	9.3	10.9	12.4	12.4	12.4	9.3	9.3	9.3	9.3
127.5°	7.8	7.8	9.3	9.3	10.9	10.9	10.9	9.3	7.8	7.8	7.8
130°	7.8	7.8	7.8	7.8	9.3	9.3	9.3	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.2	7.8	7.8
135°	6.2	6.2	6.2	6.2	7.8	7.8	6.2	6.2	6.2	6.2	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
140°	6.2	6.2	6.2	4.7	6.2	6.2	4.7	4.7	4.7	6.2	6.2
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	3.1	3.1	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	3.1	4.7	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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

(END OF REPORT)