

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: P695768

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
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-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4884 lumens  
Efficiency: N/A  
Efficacy: 78.8 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

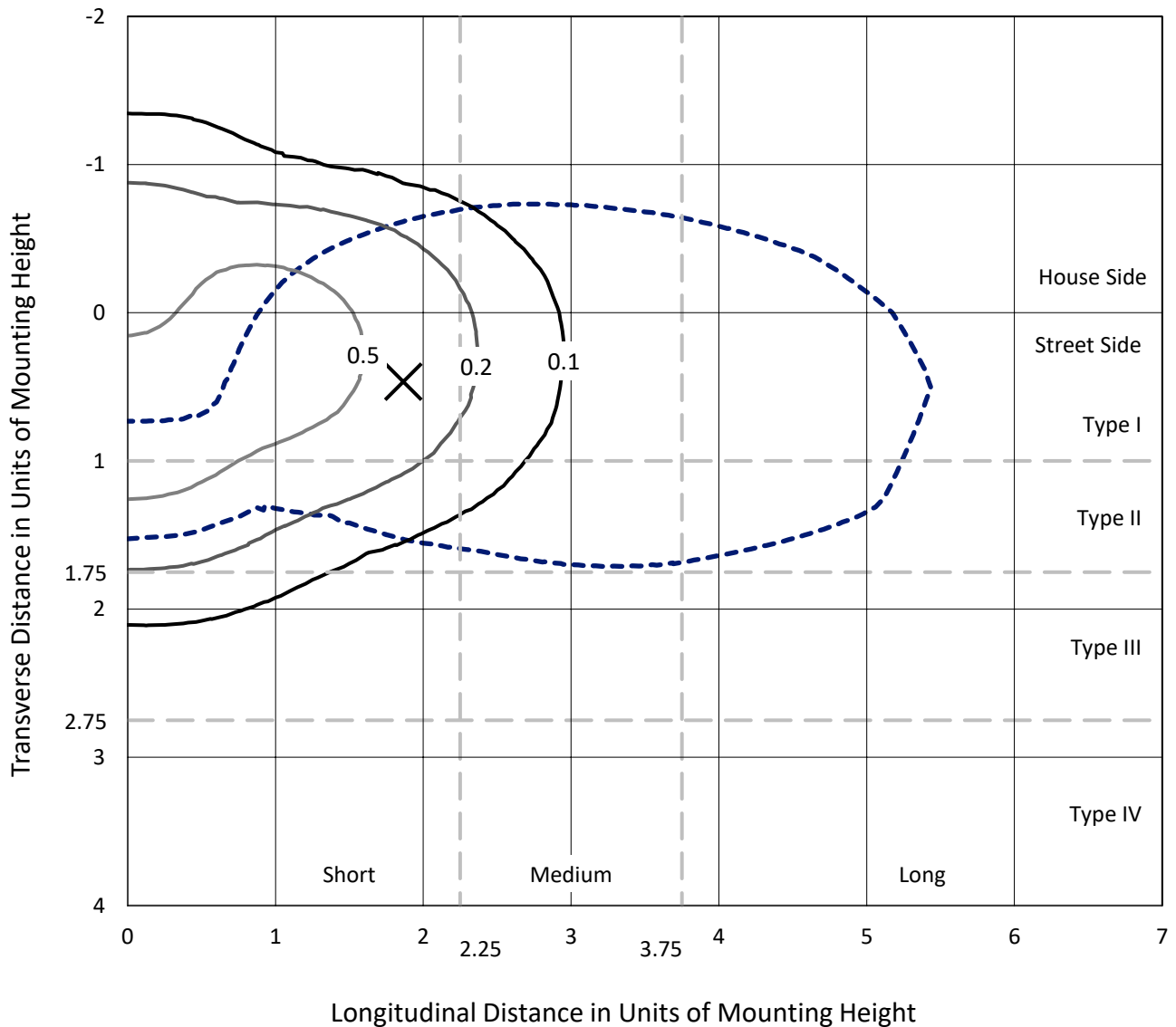
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

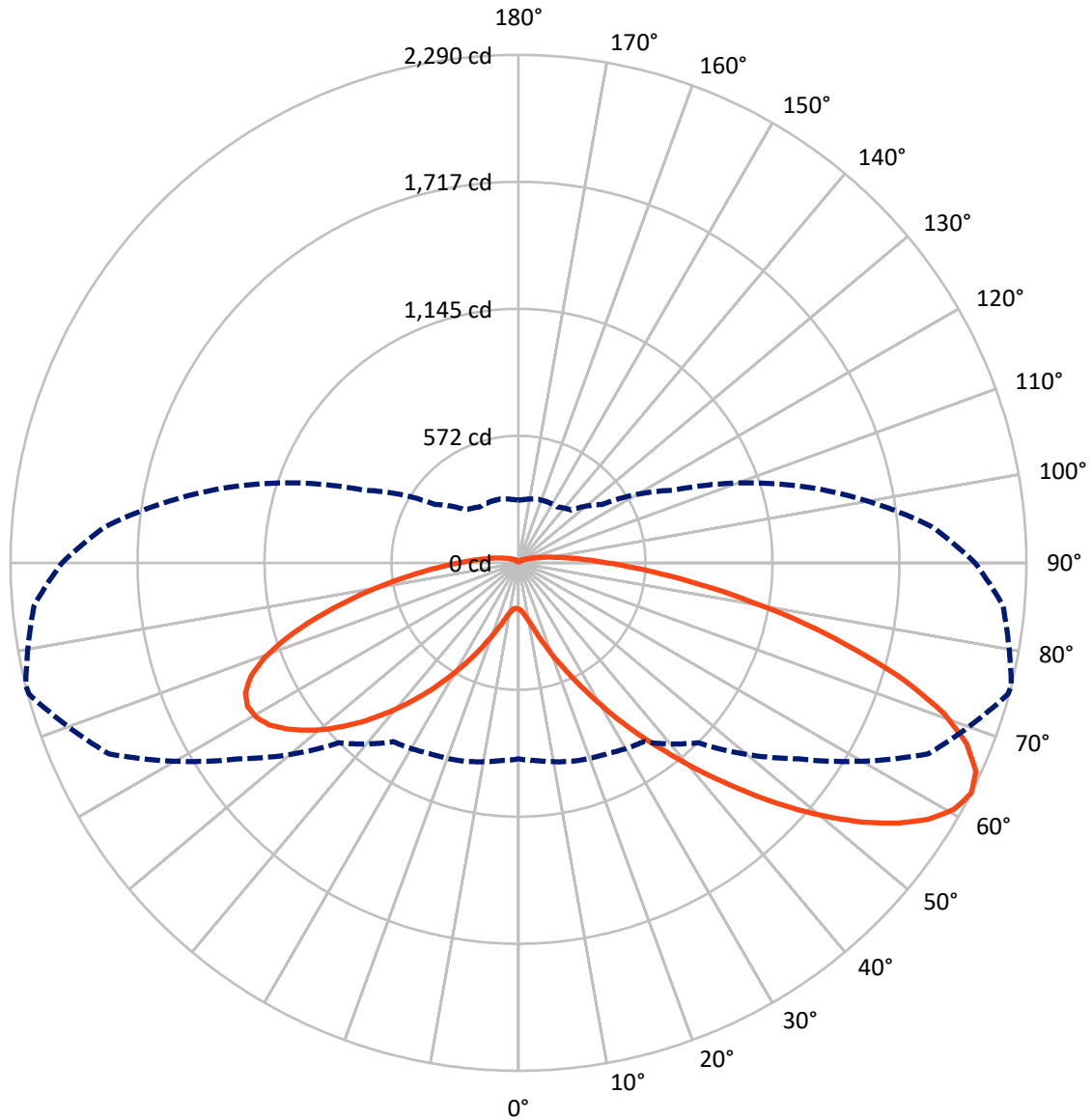
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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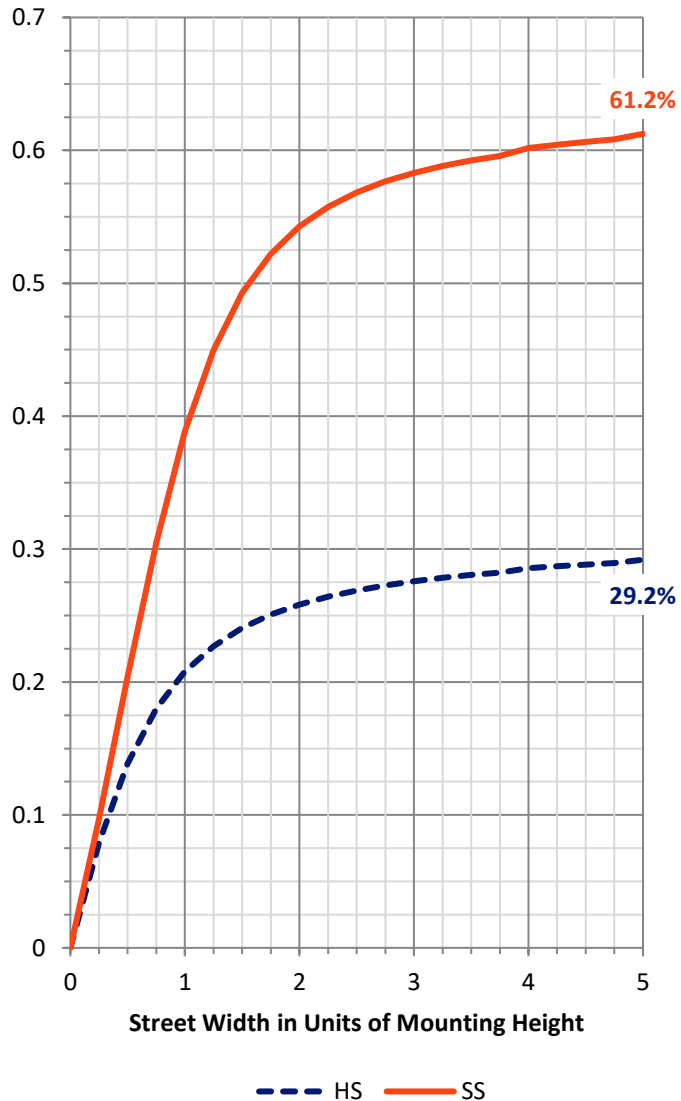
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1485.8	145.9	1631.7
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	3073.6	178.7	3252.3
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	4559.4	324.6	4884.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.8	0.4
10°-20°	89.8	1.8
20°-30°	229.5	4.7
30°-40°	458.6	9.4
40°-50°	741.1	15.2
50°-60°	969.3	19.8
60°-70°	983.3	20.1
70°-80°	707.0	14.5
80°-90°	359.0	7.4
90°-100°	162.4	3.3
100°-110°	79.7	1.6
110°-120°	42.6	0.9
120°-130°	23.5	0.5
130°-140°	11.8	0.2
140°-150°	4.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4559.4	93.4
0°-180°	4884.0	100.0

**Coefficient of Utilization**



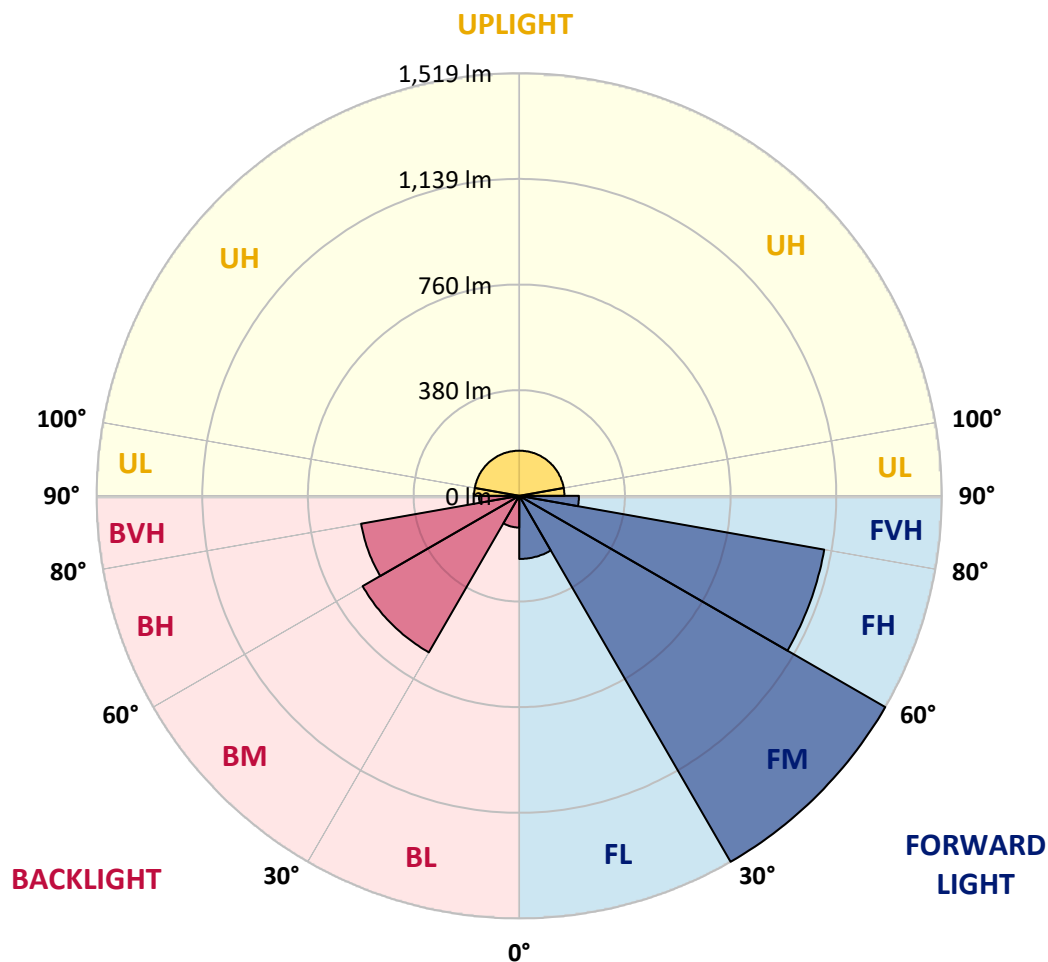
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.0	4.6			
FM (30°-60°)	1519.0	31.1			
FH (60°-80°)	1113.1	22.8			G1/1800
FVH (80°-90°)	214.4	4.4			G2/225
BL (0°-30°)	114.0	2.3	B1/500		
BM (30°-60°)	649.9	13.3	B1/1000		
BH (60°-80°)	577.2	11.8	B2/1000		G2/1000
BVH (80°-90°)	144.6	3.0			G2/225
UL (90°-100°)	162.4	3.3		U3/500	
UH (100°-180°)	162.3	3.3		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°	75°	76°	85°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	233.3	231.6	231.6	229.8	228.1	226.3	222.8	219.3	215.8	215.8	212.3
5°	264.9	263.2	263.2	259.7	256.1	249.1	243.9	236.8	229.8	228.1	221.1
7.5°	300.0	301.8	300.0	294.7	289.5	280.7	270.2	259.7	247.4	245.6	235.1
10°	343.9	345.6	340.4	333.3	328.1	319.3	303.5	289.5	273.7	271.9	257.9
12.5°	396.5	393.0	393.0	384.2	373.7	357.9	340.4	324.6	305.3	301.8	286.0
15°	449.1	456.1	450.9	438.6	422.8	407.0	389.5	370.2	350.9	347.4	324.6
17.5°	510.5	519.3	512.3	498.2	482.5	461.4	445.6	421.1	398.2	393.0	366.7
20°	587.7	587.7	579.0	561.4	543.9	528.1	505.3	479.0	452.6	450.9	415.8
22.5°	664.9	661.4	652.6	633.3	612.3	594.7	568.4	543.9	517.5	508.8	479.0
25°	750.9	747.4	731.6	705.3	687.7	663.2	642.1	617.5	589.5	580.7	547.4
27.5°	838.6	835.1	815.8	791.2	763.2	738.6	717.5	698.3	663.2	663.2	624.6
30°	929.8	924.6	901.8	875.4	840.4	815.8	803.5	784.2	759.7	754.4	707.0
32.5°	1015.8	1017.6	994.7	957.9	921.1	896.5	891.2	886.0	859.7	857.9	807.0
35°	1105.3	1101.8	1077.2	1040.4	1001.8	979.0	980.7	991.2	968.4	964.9	903.5
37.5°	1186.0	1186.0	1159.7	1114.0	1071.9	1054.4	1079.0	1107.0	1091.2	1080.7	1017.6
40°	1259.7	1254.4	1231.6	1184.2	1136.9	1135.1	1179.0	1221.1	1215.8	1212.3	1135.1
42.5°	1314.0	1307.0	1286.0	1236.9	1194.7	1203.5	1275.4	1356.2	1354.4	1347.4	1264.9
45°	1343.9	1340.4	1321.1	1275.4	1235.1	1268.4	1373.7	1482.5	1501.8	1496.5	1396.5
47.5°	1349.1	1347.4	1331.6	1291.2	1261.4	1315.8	1470.2	1615.8	1645.6	1647.4	1533.3
50°	1328.1	1328.1	1317.6	1286.0	1268.4	1349.1	1545.6	1752.6	1794.8	1796.5	1671.9
52.5°	1277.2	1277.2	1277.2	1256.1	1252.6	1359.7	1608.8	1861.4	1943.9	1942.1	1815.8
55°	1205.3	1203.5	1210.5	1207.0	1212.3	1342.1	1638.6	1963.2	2077.2	2071.9	1947.4
57.5°	1115.8	1110.5	1128.1	1135.1	1150.9	1300.0	1643.9	2031.6	2184.2	2180.7	2054.4
60°	1000.0	1003.5	1029.8	1042.1	1070.2	1233.3	1608.8	2056.2	2256.2	2256.2	2143.9
62.5°	884.2	894.7	926.3	949.1	984.2	1147.4	1540.4	2036.9	2284.2	2289.5	2191.2
65°	771.9	786.0	821.1	845.6	889.5	1042.1	1428.1	1961.4	2256.2	2264.9	2194.8
67.5°	670.2	673.7	712.3	740.4	786.0	929.8	1300.0	1833.3	2163.2	2179.0	2138.6
70°	571.9	577.2	615.8	647.4	687.7	812.3	1147.4	1643.9	2007.0	2033.3	2014.0
72.5°	477.2	486.0	519.3	556.1	594.7	703.5	984.2	1452.6	1796.5	1824.6	1835.1
75°	401.8	410.5	443.9	479.0	514.0	601.8	838.6	1229.8	1554.4	1570.2	1621.1
77.5°	333.3	343.9	371.9	407.0	438.6	512.3	694.7	1014.0	1307.0	1319.3	1363.2
80°	278.9	287.7	310.5	343.9	368.4	429.8	568.4	821.1	1047.4	1063.2	1101.8
82.5°	231.6	235.1	259.7	287.7	314.0	363.2	464.9	652.6	821.1	838.6	891.2
85°	194.7	196.5	217.5	240.4	264.9	301.8	379.0	510.5	633.3	645.6	684.2
87.5°	157.9	161.4	182.5	203.5	222.8	254.4	307.0	401.8	487.7	493.0	519.3
90°	131.6	135.1	152.6	171.9	191.2	212.3	252.6	310.5	371.9	375.4	391.2
92.5°	110.5	112.3	128.1	147.4	164.9	182.5	207.0	245.6	289.5	293.0	300.0
95°	93.0	94.7	108.8	124.6	140.4	154.4	173.7	198.2	224.6	226.3	233.3
97.5°	80.7	80.7	93.0	107.0	121.1	131.6	143.9	161.4	177.2	175.4	177.2
100°	68.4	68.4	78.9	93.0	105.3	114.0	121.1	129.8	136.8	138.6	138.6
102.5°	59.6	59.6	68.4	82.5	93.0	100.0	105.3	107.0	110.5	110.5	108.8
105°	50.9	52.6	59.6	71.9	80.7	87.7	89.5	89.5	87.7	87.7	87.7
107.5°	45.6	45.6	52.6	63.2	71.9	77.2	78.9	75.4	71.9	70.2	70.2
110°	42.1	42.1	47.4	56.1	64.9	68.4	68.4	63.2	57.9	59.6	57.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	36.8	38.6	42.1	50.9	57.9	61.4	59.6	54.4	49.1	47.4	47.4
115°	35.1	35.1	38.6	45.6	52.6	54.4	52.6	47.4	40.4	40.4	40.4
117.5°	31.6	31.6	35.1	40.4	45.6	49.1	45.6	40.4	33.3	33.3	33.3
120°	29.8	29.8	31.6	36.8	42.1	43.9	40.4	35.1	28.1	28.1	29.8
122.5°	28.1	28.1	29.8	33.3	36.8	38.6	36.8	29.8	24.6	24.6	26.3
125°	26.3	26.3	26.3	29.8	33.3	35.1	31.6	26.3	21.1	21.1	22.8
127.5°	24.6	24.6	24.6	26.3	29.8	29.8	28.1	22.8	19.3	19.3	21.1
130°	22.8	22.8	22.8	24.6	26.3	26.3	22.8	19.3	17.5	17.5	17.5
132.5°	21.1	21.1	21.1	21.1	22.8	22.8	19.3	15.8	14.0	15.8	15.8
135°	19.3	19.3	19.3	19.3	19.3	19.3	15.8	12.3	12.3	12.3	14.0
137.5°	17.5	17.5	17.5	15.8	15.8	15.8	12.3	10.5	10.5	10.5	12.3
140°	15.8	15.8	15.8	14.0	12.3	12.3	8.8	8.8	8.8	8.8	10.5
142.5°	14.0	14.0	14.0	12.3	10.5	8.8	7.0	7.0	7.0	7.0	8.8
145°	12.3	12.3	10.5	10.5	7.0	5.3	5.3	5.3	5.3	7.0	7.0
147.5°	10.5	10.5	8.8	7.0	5.3	3.5	1.8	3.5	3.5	3.5	5.3
150°	7.0	7.0	7.0	5.3	3.5	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°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	210.5	208.8	205.3	201.8	198.2	196.5	194.7	193.0	193.0	193.0	193.0
5°	217.5	212.3	205.3	198.2	191.2	186.0	180.7	177.2	175.4	173.7	173.7
7.5°	229.8	222.8	210.5	200.0	189.5	178.9	171.9	166.7	163.2	161.4	161.4
10°	247.4	238.6	222.8	207.0	191.2	178.9	168.4	161.4	156.1	154.4	152.6
12.5°	275.4	264.9	242.1	219.3	200.0	182.5	170.2	159.7	154.4	152.6	152.6
15°	312.3	298.2	268.4	240.4	214.0	191.2	177.2	170.2	166.7	163.2	163.2
17.5°	350.9	335.1	301.8	266.7	235.1	208.8	193.0	186.0	178.9	177.2	177.2
20°	401.8	380.7	338.6	296.5	259.7	233.3	214.0	200.0	193.0	191.2	191.2
22.5°	456.1	429.8	382.5	329.8	289.5	256.1	233.3	215.8	208.8	205.3	205.3
25°	517.5	493.0	431.6	368.4	322.8	282.5	252.6	233.3	224.6	222.8	222.8
27.5°	591.2	561.4	486.0	414.0	354.4	305.3	271.9	249.1	240.4	238.6	238.6
30°	677.2	635.1	545.6	463.2	387.7	326.3	286.0	264.9	254.4	254.4	254.4
32.5°	757.9	714.0	610.5	512.3	417.5	343.9	300.0	278.9	268.4	268.4	268.4
35°	856.1	805.3	680.7	559.7	443.9	359.7	310.5	289.5	280.7	278.9	278.9
37.5°	964.9	900.0	750.9	603.5	468.4	370.2	319.3	298.2	289.5	287.7	287.7
40°	1073.7	998.3	828.1	649.1	486.0	377.2	324.6	305.3	296.5	293.0	293.0
42.5°	1189.5	1103.5	901.8	691.2	501.8	380.7	326.3	310.5	301.8	296.5	296.5
45°	1314.0	1212.3	980.7	724.6	512.3	382.5	328.1	312.3	305.3	298.2	298.2
47.5°	1447.4	1328.1	1052.6	756.1	515.8	380.7	328.1	314.0	305.3	298.2	296.5
50°	1568.4	1440.4	1126.3	780.7	515.8	377.2	328.1	315.8	307.0	296.5	296.5
52.5°	1696.5	1550.9	1189.5	796.5	512.3	371.9	326.3	314.0	307.0	294.7	294.7
55°	1822.8	1656.2	1247.4	805.3	503.5	364.9	322.8	314.0	305.3	293.0	291.2
57.5°	1924.6	1752.6	1294.7	805.3	491.2	356.1	317.5	312.3	303.5	291.2	289.5
60°	2007.0	1826.3	1321.1	794.7	475.4	347.4	312.3	308.8	301.8	287.7	286.0
62.5°	2057.9	1870.2	1328.1	775.4	457.9	336.8	307.0	303.5	298.2	286.0	282.5
65°	2066.7	1875.5	1307.0	742.1	435.1	322.8	298.2	298.2	293.0	280.7	278.9
67.5°	2015.8	1824.6	1254.4	696.5	410.5	308.8	287.7	289.5	286.0	275.4	271.9
70°	1907.0	1726.3	1166.7	643.9	382.5	294.7	275.4	277.2	273.7	264.9	263.2
72.5°	1738.6	1564.9	1049.1	580.7	352.6	277.2	263.2	263.2	261.4	252.6	249.1
75°	1529.8	1379.0	914.0	514.0	322.8	257.9	247.4	247.4	245.6	236.8	233.3
77.5°	1296.5	1164.9	773.7	449.1	291.2	238.6	228.1	229.8	228.1	217.5	217.5
80°	1047.4	956.1	645.6	386.0	261.4	217.5	208.8	210.5	207.0	196.5	193.0
82.5°	840.4	764.9	522.8	329.8	231.6	198.2	189.5	189.5	184.2	175.4	173.7
85°	642.1	587.7	422.8	277.2	205.3	177.2	170.2	168.4	161.4	152.6	150.9
87.5°	500.0	454.4	338.6	235.1	178.9	157.9	150.9	147.4	140.4	131.6	129.8
90°	377.2	349.1	270.2	196.5	157.9	140.4	133.3	128.1	121.1	112.3	108.8
92.5°	293.0	275.4	219.3	168.4	136.8	124.6	117.5	112.3	103.5	96.5	93.0
95°	226.3	215.8	180.7	143.9	121.1	108.8	103.5	98.2	91.2	82.5	78.9
97.5°	178.9	170.2	147.4	122.8	107.0	98.2	91.2	86.0	77.2	70.2	68.4
100°	140.4	135.1	122.8	105.3	94.7	86.0	80.7	75.4	66.7	59.6	59.6
102.5°	110.5	108.8	101.8	91.2	84.2	77.2	71.9	66.7	59.6	52.6	50.9
105°	89.5	89.5	84.2	78.9	73.7	68.4	64.9	59.6	50.9	45.6	43.9
107.5°	71.9	73.7	71.9	70.2	64.9	61.4	57.9	50.9	43.9	38.6	38.6
110°	59.6	59.6	61.4	59.6	57.9	54.4	50.9	45.6	38.6	35.1	35.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	49.1	50.9	52.6	52.6	50.9	49.1	45.6	40.4	33.3	29.8	29.8
115°	42.1	42.1	45.6	45.6	45.6	43.9	40.4	35.1	29.8	26.3	28.1
117.5°	35.1	36.8	38.6	40.4	40.4	38.6	35.1	29.8	24.6	24.6	24.6
120°	31.6	31.6	33.3	35.1	35.1	35.1	31.6	26.3	22.8	21.1	21.1
122.5°	28.1	28.1	29.8	31.6	31.6	29.8	28.1	22.8	19.3	19.3	19.3
125°	24.6	24.6	26.3	28.1	28.1	26.3	22.8	19.3	17.5	17.5	17.5
127.5°	21.1	22.8	22.8	24.6	24.6	22.8	21.1	17.5	14.0	15.8	15.8
130°	19.3	19.3	21.1	21.1	21.1	19.3	17.5	14.0	14.0	14.0	14.0
132.5°	17.5	17.5	17.5	17.5	17.5	17.5	14.0	12.3	12.3	12.3	12.3
135°	14.0	15.8	15.8	15.8	15.8	14.0	12.3	10.5	10.5	10.5	12.3
137.5°	12.3	12.3	14.0	12.3	12.3	12.3	8.8	8.8	8.8	10.5	10.5
140°	10.5	10.5	10.5	10.5	10.5	8.8	7.0	7.0	8.8	8.8	8.8
142.5°	8.8	8.8	8.8	8.8	7.0	7.0	5.3	5.3	7.0	7.0	8.8
145°	7.0	7.0	7.0	7.0	5.3	5.3	3.5	5.3	5.3	7.0	7.0
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	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)