

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: P695763

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2R-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)  
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-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4647 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short  
BUG Rating: B1 - U3 - G3

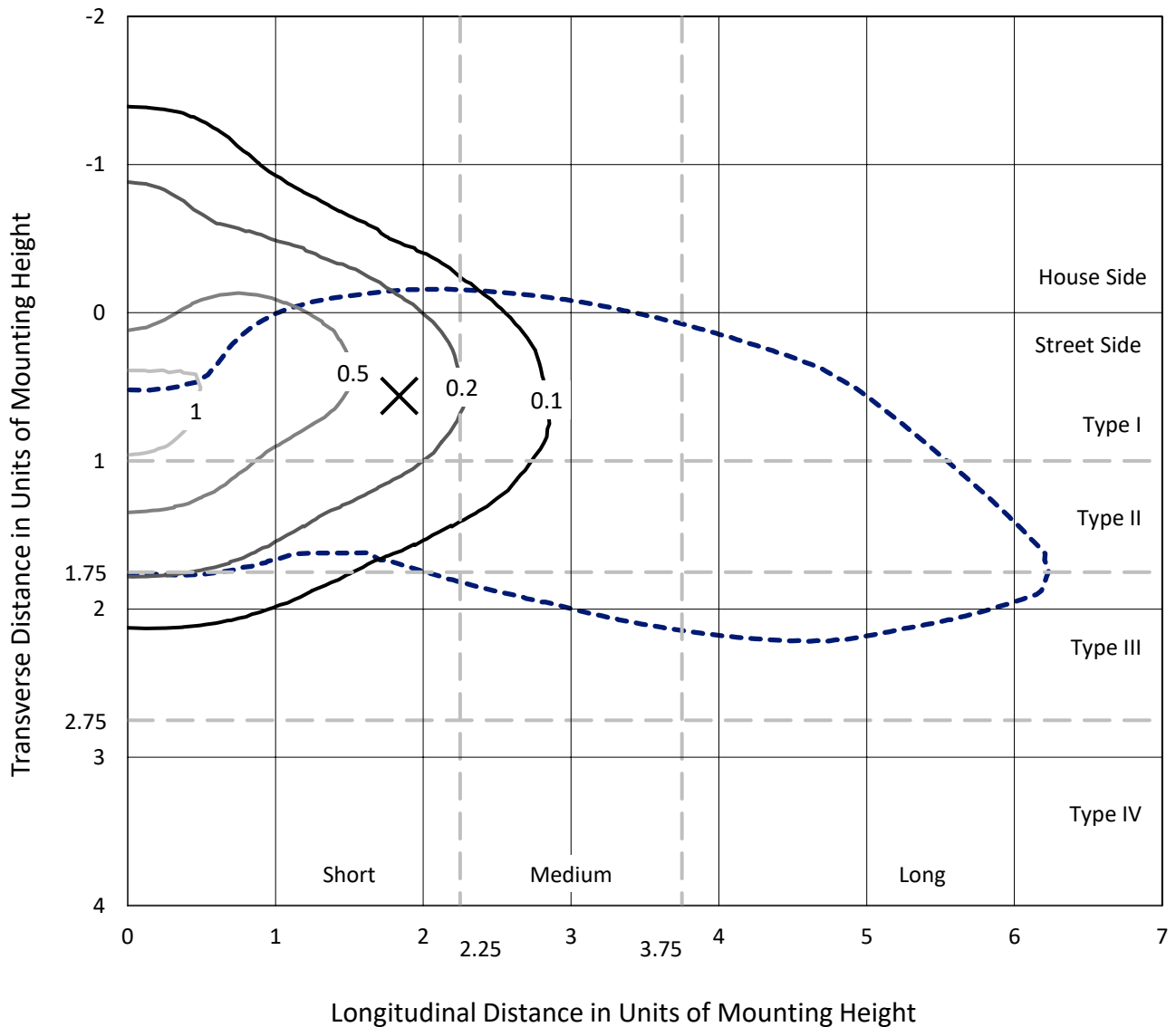
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

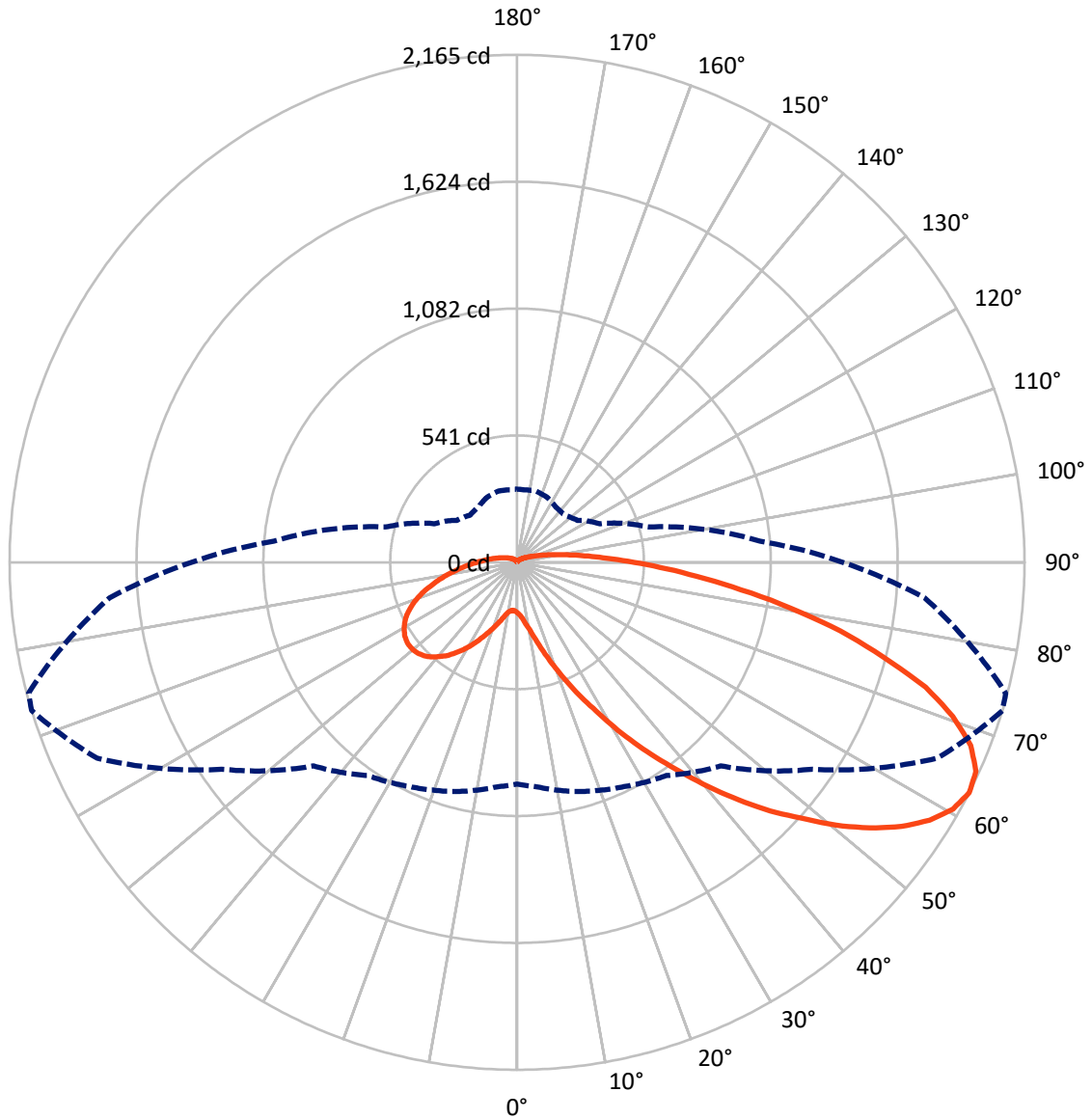
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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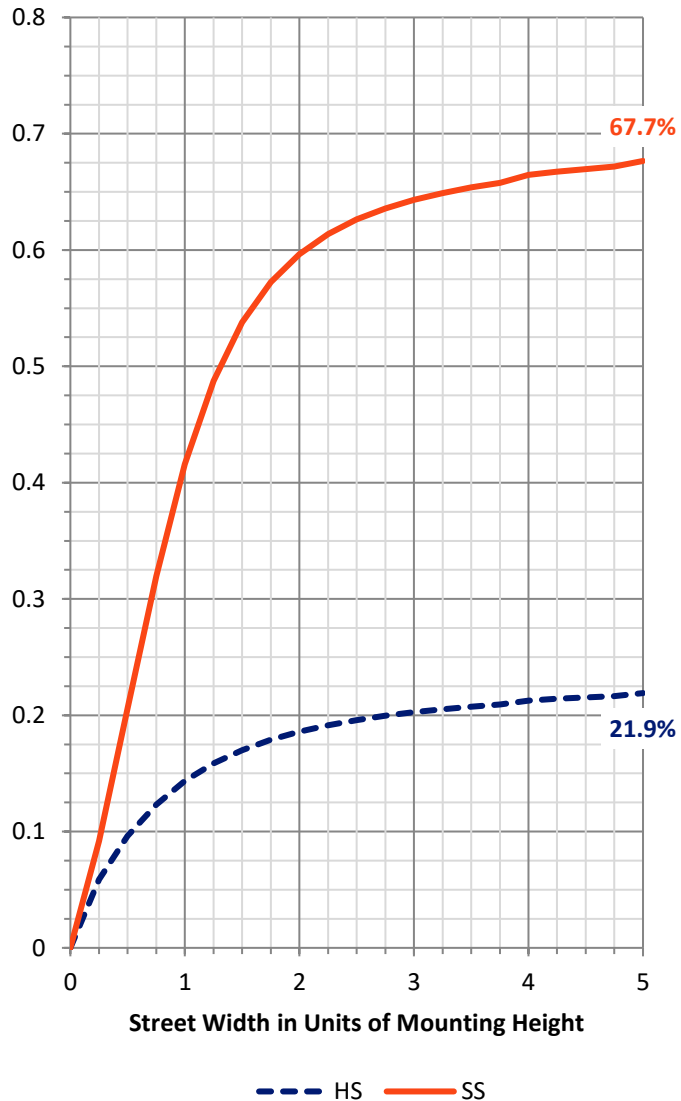
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1074.9	140.5	1215.5
	% Fixture	23.1	3.0	26.2
<b>Street Side</b>	Lumens	3235.1	196.4	3431.5
	% Fixture	69.6	4.2	73.8
<b>Total</b>	Lumens	4310.1	336.9	4647.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.5	0.5
10°-20°	94.7	2.0
20°-30°	244.3	5.3
30°-40°	478.5	10.3
40°-50°	730.8	15.7
50°-60°	890.2	19.2
60°-70°	860.8	18.5
70°-80°	635.8	13.7
80°-90°	352.5	7.6
90°-100°	167.4	3.6
100°-110°	82.4	1.8
110°-120°	44.3	1.0
120°-130°	24.7	0.5
130°-140°	12.8	0.3
140°-150°	5.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4310.1	92.7
0°-180°	4647.0	100.0

**Coefficient of Utilization**



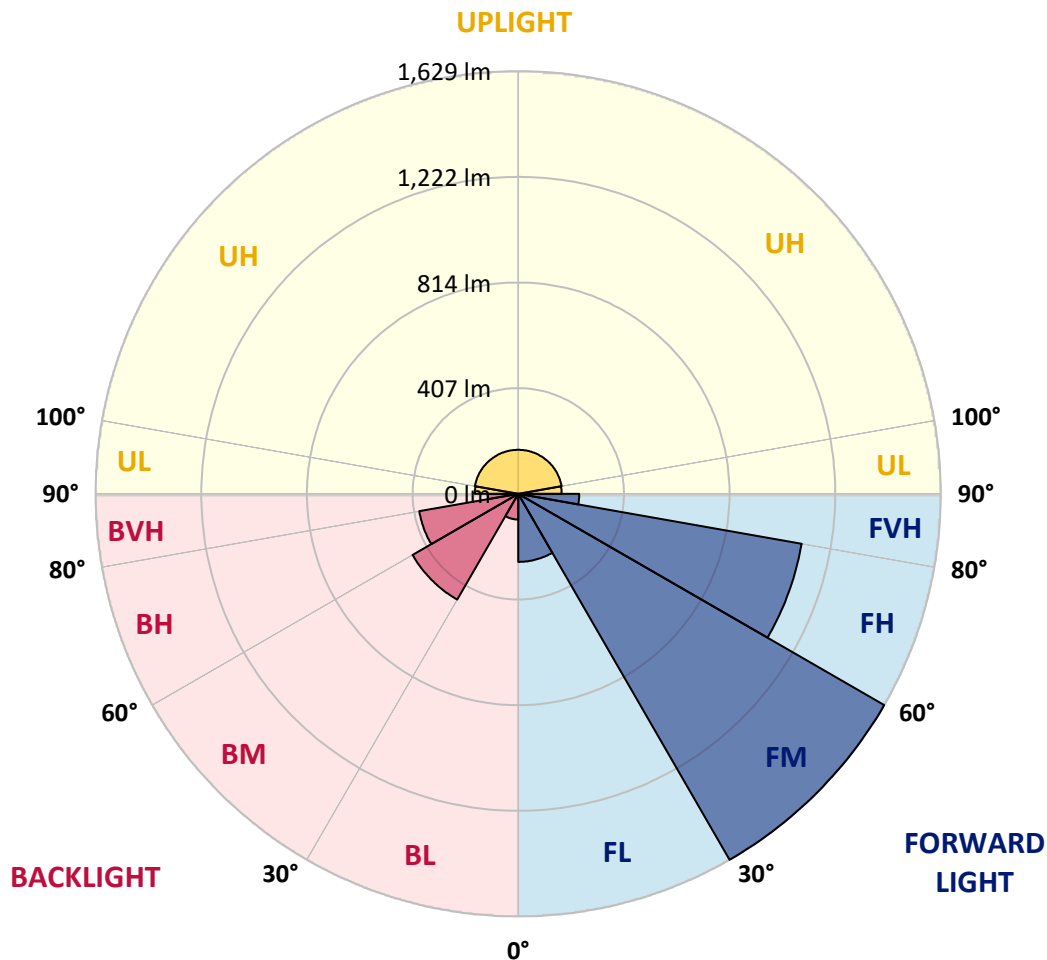
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.4	5.6			
FM (30°-60°)	1628.7	35.0			
FH (60°-80°)	1109.2	23.9			G1/1800
FVH (80°-90°)	234.8	5.1			G3/500
BL (0°-30°)	99.1	2.1	B0/110		
BM (30°-60°)	470.7	10.1	B1/1000		
BH (60°-80°)	387.4	8.3	B1/500		G1/500
BVH (80°-90°)	117.7	2.5			G2/225
UL (90°-100°)	167.4	3.6		U3/500	
UH (100°-180°)	169.5	3.6		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	243.8	242.1	243.8	242.1	238.6	235.1	231.6	226.3	224.5	222.8	217.5
5°	284.2	285.9	284.2	277.2	273.7	266.7	259.6	249.1	240.3	238.6	228.1
7.5°	333.3	331.6	329.8	324.5	315.8	303.5	291.2	277.2	264.9	261.4	243.8
10°	391.2	385.9	387.7	375.4	364.9	349.1	333.3	312.3	291.2	287.7	264.9
12.5°	457.9	456.1	452.6	436.8	421.0	403.5	378.9	352.6	329.8	322.8	294.7
15°	538.6	531.5	528.0	510.5	489.4	466.6	436.8	405.2	377.2	371.9	331.6
17.5°	628.0	619.3	608.7	585.9	564.9	535.1	500.0	464.9	431.6	424.5	373.7
20°	721.0	717.5	705.2	677.2	645.6	614.0	575.4	533.3	491.2	482.4	424.5
22.5°	833.3	829.8	808.7	773.6	735.0	698.2	654.3	608.7	561.4	547.3	478.9
25°	956.1	945.6	921.0	877.1	833.3	782.4	738.6	689.4	638.6	621.0	542.1
27.5°	1080.6	1071.9	1038.5	989.4	929.8	873.6	824.5	777.1	717.5	708.7	607.0
30°	1203.4	1203.4	1159.6	1103.4	1024.5	961.3	914.0	870.1	815.7	803.5	685.9
32.5°	1326.2	1322.7	1285.9	1210.5	1122.7	1049.1	1003.4	966.6	917.5	894.7	771.9
35°	1440.3	1438.5	1389.4	1308.7	1212.2	1135.0	1096.4	1071.9	1022.7	1003.4	857.8
37.5°	1545.5	1538.5	1484.1	1401.7	1284.1	1208.7	1185.9	1184.1	1135.0	1110.5	949.1
40°	1617.4	1612.2	1564.8	1471.8	1350.8	1277.1	1275.4	1294.7	1259.6	1233.3	1043.8
42.5°	1661.3	1654.3	1615.7	1524.5	1403.4	1335.0	1356.1	1405.2	1385.9	1356.1	1140.3
45°	1671.8	1666.6	1635.0	1550.8	1438.5	1382.4	1428.0	1515.7	1512.2	1484.1	1235.0
47.5°	1645.5	1645.5	1624.5	1554.3	1452.5	1413.9	1498.2	1622.7	1629.7	1615.7	1335.0
50°	1594.6	1591.1	1585.9	1529.7	1447.3	1431.5	1552.5	1731.5	1763.1	1742.0	1438.5
52.5°	1508.7	1506.9	1512.2	1480.6	1421.0	1429.7	1591.1	1824.5	1882.3	1863.0	1526.2
55°	1394.7	1391.1	1413.9	1405.2	1370.1	1408.7	1610.4	1899.9	1989.4	1971.8	1612.2
57.5°	1257.8	1250.8	1294.7	1310.4	1299.9	1368.3	1610.4	1952.5	2075.3	2059.5	1678.8
60°	1099.9	1105.2	1150.8	1194.7	1206.9	1306.9	1584.1	1978.8	2136.7	2126.2	1722.7
62.5°	945.6	961.3	1012.2	1057.8	1110.5	1228.0	1538.5	1977.1	2164.8	2157.8	1745.5
65°	798.2	815.7	866.6	929.8	994.7	1135.0	1468.3	1935.0	2150.7	2147.2	1735.0
67.5°	661.4	673.6	726.3	800.0	877.1	1031.5	1370.1	1856.0	2087.6	2089.3	1685.9
70°	543.8	550.8	607.0	680.7	759.6	915.7	1252.6	1731.5	1971.8	1977.1	1592.9
72.5°	447.3	459.6	501.7	570.1	654.3	810.5	1128.0	1580.6	1822.7	1820.9	1468.3
75°	364.9	371.9	415.8	477.2	550.8	698.2	992.9	1399.9	1612.2	1626.2	1306.9
77.5°	294.7	300.0	343.8	398.2	470.1	600.0	854.3	1212.2	1410.4	1406.9	1136.8
80°	238.6	245.6	282.4	331.6	396.5	510.5	722.8	1015.7	1182.4	1185.9	945.6
82.5°	191.2	198.2	231.6	275.4	338.6	428.0	607.0	850.8	963.1	963.1	780.7
85°	152.6	159.6	191.2	229.8	280.7	363.1	498.2	680.7	768.4	773.6	631.5
87.5°	124.6	128.1	156.1	193.0	236.8	305.2	410.5	538.6	608.7	601.7	496.5
90°	100.0	103.5	128.1	159.6	200.0	256.1	335.1	435.1	471.9	470.1	387.7
92.5°	82.5	84.2	107.0	136.8	170.2	215.8	275.4	338.6	366.6	364.9	307.0
95°	68.4	70.2	91.2	115.8	145.6	182.4	224.5	271.9	289.5	285.9	240.3
97.5°	57.9	57.9	77.2	100.0	126.3	154.4	187.7	217.5	226.3	224.5	193.0
100°	49.1	49.1	64.9	87.7	110.5	133.3	156.1	173.7	177.2	178.9	152.6
102.5°	42.1	43.9	57.9	77.2	94.7	114.0	129.8	142.1	142.1	140.3	121.0
105°	38.6	38.6	49.1	66.7	84.2	98.2	110.5	117.5	114.0	110.5	96.5
107.5°	33.3	33.3	43.9	59.6	73.7	86.0	94.7	96.5	91.2	89.5	80.7
110°	29.8	31.6	38.6	52.6	66.7	75.4	80.7	80.7	75.4	73.7	66.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	28.1	28.1	35.1	47.4	57.9	66.7	70.2	68.4	63.2	61.4	56.1
115°	26.3	26.3	31.6	42.1	52.6	59.6	61.4	57.9	52.6	50.9	47.4
117.5°	24.6	24.6	28.1	36.8	47.4	52.6	54.4	49.1	43.9	43.9	42.1
120°	22.8	22.8	26.3	33.3	42.1	47.4	47.4	42.1	38.6	36.8	36.8
122.5°	22.8	22.8	24.6	29.8	36.8	40.3	42.1	36.8	33.3	31.6	31.6
125°	21.1	21.1	22.8	26.3	33.3	36.8	35.1	31.6	28.1	28.1	28.1
127.5°	21.1	21.1	21.1	24.6	28.1	31.6	31.6	28.1	24.6	24.6	26.3
130°	19.3	19.3	19.3	21.1	24.6	28.1	26.3	22.8	21.1	21.1	22.8
132.5°	19.3	19.3	19.3	19.3	21.1	24.6	22.8	19.3	19.3	19.3	19.3
135°	17.5	17.5	17.5	17.5	19.3	19.3	19.3	17.5	15.8	17.5	17.5
137.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.0	14.0	14.0	15.8
140°	14.0	14.0	14.0	14.0	12.3	12.3	12.3	10.5	12.3	12.3	14.0
142.5°	14.0	14.0	12.3	12.3	10.5	10.5	8.8	8.8	10.5	10.5	10.5
145°	12.3	12.3	10.5	8.8	7.0	7.0	7.0	7.0	7.0	8.8	8.8
147.5°	8.8	8.8	8.8	7.0	5.3	3.5	3.5	5.3	5.3	5.3	7.0
150°	7.0	7.0	7.0	5.3	3.5	1.8	1.8	3.5	3.5	3.5	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	215.8	214.0	208.8	205.3	201.7	200.0	196.5	194.7	194.7	193.0	194.7
5°	222.8	217.5	207.0	198.2	189.5	182.4	177.2	173.7	171.9	170.2	168.4
7.5°	235.1	226.3	210.5	196.5	182.4	171.9	163.1	157.9	154.4	150.9	150.9
10°	252.6	240.3	217.5	198.2	180.7	166.7	154.4	147.4	143.9	140.3	140.3
12.5°	278.9	263.1	233.3	203.5	182.4	164.9	152.6	143.9	140.3	138.6	136.8
15°	312.3	293.0	254.4	219.3	189.5	166.7	154.4	150.9	147.4	145.6	145.6
17.5°	350.9	324.5	277.2	235.1	201.7	177.2	164.9	159.6	157.9	156.1	154.4
20°	393.0	363.1	303.5	252.6	215.8	194.7	177.2	171.9	170.2	168.4	168.4
22.5°	443.8	403.5	331.6	271.9	233.3	208.8	193.0	184.2	182.4	182.4	180.7
25°	496.5	452.6	363.1	293.0	250.9	224.5	207.0	198.2	196.5	198.2	198.2
27.5°	557.9	501.7	396.5	315.8	268.4	236.8	221.0	212.3	212.3	215.8	215.8
30°	624.5	552.6	429.8	338.6	284.2	249.1	233.3	228.1	229.8	231.6	233.3
32.5°	689.4	607.0	461.4	361.4	296.5	259.6	245.6	243.8	245.6	249.1	249.1
35°	764.9	668.4	493.0	380.7	307.0	268.4	256.1	257.9	261.4	264.9	266.7
37.5°	840.3	722.8	524.5	394.7	315.8	277.2	266.7	270.2	273.7	280.7	280.7
40°	912.2	778.9	549.1	407.0	322.8	282.4	273.7	280.7	287.7	291.2	291.2
42.5°	987.7	835.0	575.4	415.8	328.1	287.7	280.7	291.2	298.2	300.0	300.0
45°	1064.8	882.4	594.7	422.8	331.6	291.2	285.9	296.5	305.2	307.0	307.0
47.5°	1133.3	926.3	608.7	424.5	331.6	293.0	289.5	301.7	310.5	310.5	310.5
50°	1205.2	970.1	617.5	426.3	333.3	294.7	291.2	305.2	314.0	312.3	314.0
52.5°	1266.6	1005.2	621.0	422.8	331.6	293.0	293.0	308.8	317.5	314.0	314.0
55°	1321.0	1031.5	619.3	417.5	328.1	293.0	293.0	308.8	317.5	314.0	314.0
57.5°	1361.3	1047.3	612.2	410.5	324.5	291.2	293.0	308.8	317.5	314.0	314.0
60°	1385.9	1049.1	598.2	401.7	319.3	287.7	289.5	307.0	315.8	312.3	312.3
62.5°	1389.4	1040.3	580.7	389.5	312.3	284.2	287.7	305.2	314.0	310.5	312.3
65°	1370.1	1014.0	557.9	375.4	305.2	278.9	284.2	301.7	310.5	308.8	308.8
67.5°	1321.0	968.4	526.3	357.9	294.7	271.9	278.9	294.7	307.0	303.5	303.5
70°	1242.0	905.2	493.0	338.6	280.7	263.1	270.2	287.7	298.2	296.5	296.5
72.5°	1138.5	829.8	452.6	315.8	266.7	252.6	261.4	277.2	285.9	285.9	284.2
75°	1014.0	745.6	408.7	291.2	250.9	240.3	250.9	263.1	270.2	268.4	266.7
77.5°	880.6	654.3	366.6	266.7	233.3	226.3	235.1	249.1	252.6	250.9	247.4
80°	745.6	561.4	324.5	240.3	214.0	208.8	217.5	228.1	231.6	226.3	224.5
82.5°	622.8	468.4	282.4	215.8	194.7	191.2	200.0	207.0	207.0	203.5	198.2
85°	503.5	394.7	247.4	191.2	175.4	173.7	180.7	184.2	182.4	177.2	171.9
87.5°	405.2	322.8	212.3	170.2	156.1	154.4	159.6	161.4	157.9	150.9	147.4
90°	328.1	264.9	182.4	150.9	138.6	138.6	140.3	140.3	135.1	126.3	122.8
92.5°	261.4	217.5	157.9	131.6	124.6	121.0	122.8	121.0	114.0	108.8	103.5
95°	210.5	178.9	136.8	117.5	110.5	107.0	108.8	105.3	96.5	89.5	86.0
97.5°	170.2	147.4	117.5	103.5	98.2	94.7	94.7	89.5	84.2	75.4	71.9
100°	136.8	121.0	101.7	91.2	86.0	84.2	82.5	78.9	71.9	63.2	61.4
102.5°	110.5	101.7	87.7	80.7	77.2	75.4	73.7	68.4	61.4	52.6	52.6
105°	91.2	86.0	77.2	71.9	68.4	66.7	64.9	59.6	52.6	45.6	45.6
107.5°	75.4	71.9	66.7	63.2	61.4	59.6	57.9	52.6	45.6	38.6	40.3
110°	64.9	61.4	57.9	56.1	56.1	54.4	50.9	47.4	40.3	35.1	35.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	54.4	52.6	50.9	50.9	49.1	47.4	45.6	40.3	35.1	31.6	31.6
115°	47.4	45.6	45.6	45.6	43.9	43.9	40.3	36.8	29.8	28.1	28.1
117.5°	40.3	40.3	40.3	40.3	40.3	38.6	36.8	31.6	26.3	24.6	24.6
120°	36.8	36.8	35.1	35.1	35.1	35.1	31.6	28.1	22.8	22.8	22.8
122.5°	31.6	31.6	31.6	31.6	31.6	29.8	28.1	24.6	21.1	21.1	21.1
125°	28.1	28.1	28.1	29.8	28.1	28.1	24.6	21.1	17.5	19.3	19.3
127.5°	26.3	26.3	26.3	24.6	24.6	24.6	21.1	17.5	15.8	17.5	17.5
130°	22.8	22.8	22.8	22.8	22.8	21.1	19.3	15.8	14.0	15.8	15.8
132.5°	21.1	21.1	21.1	19.3	19.3	17.5	15.8	14.0	12.3	14.0	14.0
135°	17.5	17.5	17.5	17.5	15.8	15.8	14.0	10.5	12.3	12.3	12.3
137.5°	15.8	15.8	15.8	14.0	14.0	12.3	10.5	8.8	10.5	10.5	10.5
140°	14.0	14.0	14.0	12.3	10.5	10.5	8.8	8.8	8.8	10.5	10.5
142.5°	10.5	10.5	10.5	10.5	8.8	7.0	7.0	7.0	8.8	8.8	8.8
145°	8.8	8.8	8.8	7.0	7.0	5.3	5.3	5.3	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	5.3	5.3	3.5	3.5	5.3	7.0	7.0	7.0
150°	5.3	5.3	5.3	3.5	3.5	1.8	3.5	3.5	5.3	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)