

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: P695776

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4881 lumens  
Efficiency: N/A  
Efficacy: 78.7 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

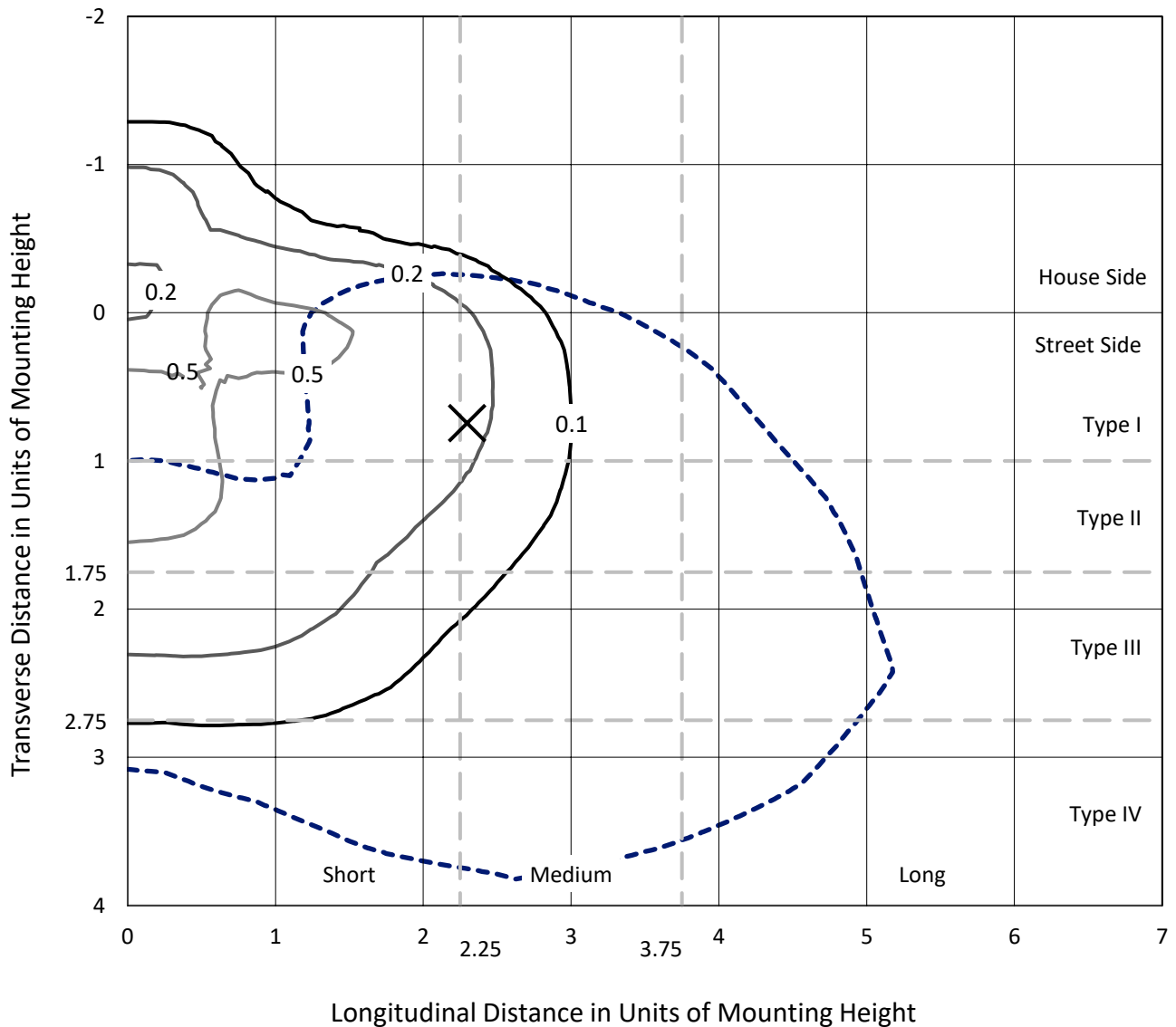
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

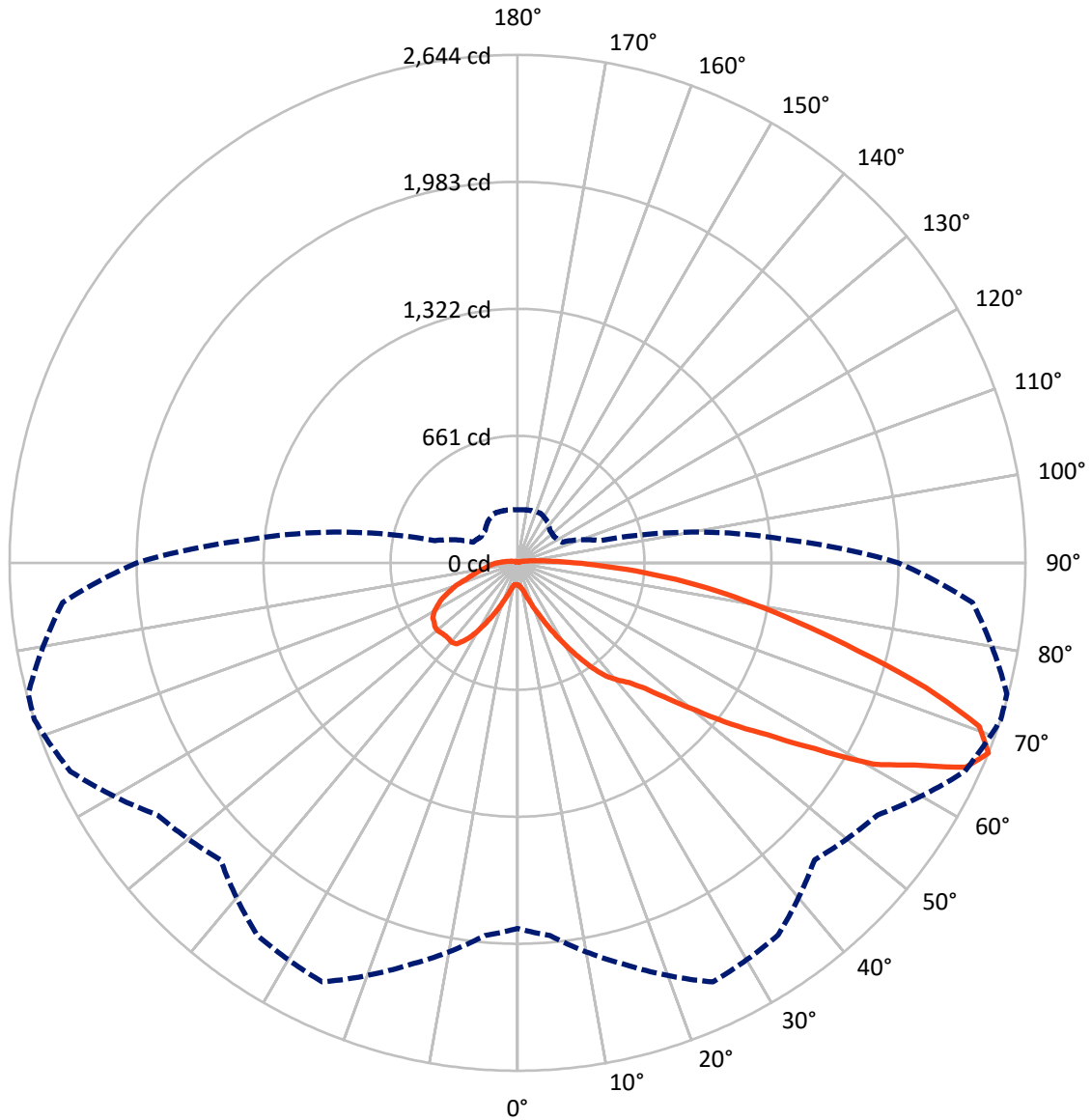
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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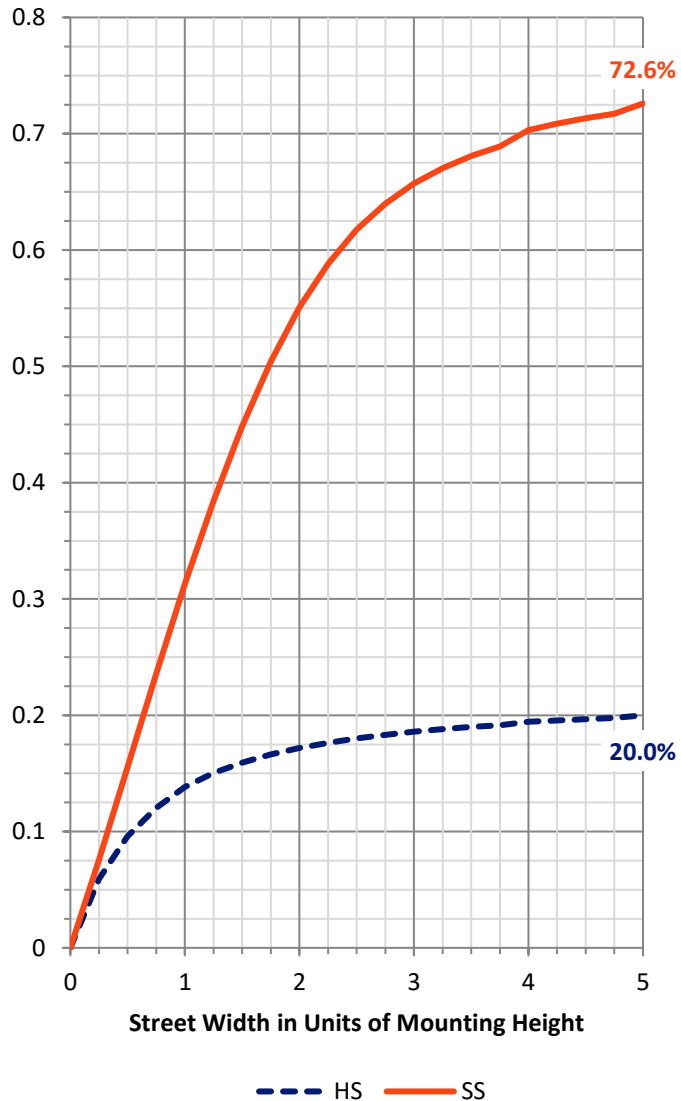
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1030.1	88.6	1118.7
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	3668.0	94.3	3762.3
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	4698.1	182.9	4881.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.7	0.2
10°-20°	50.6	1.0
20°-30°	153.2	3.1
30°-40°	344.9	7.1
40°-50°	553.6	11.3
50°-60°	897.3	18.4
60°-70°	1308.7	26.8
70°-80°	981.1	20.1
80°-90°	397.2	8.1
90°-100°	110.2	2.3
100°-110°	36.2	0.7
110°-120°	16.7	0.3
120°-130°	10.0	0.2
130°-140°	6.4	0.1
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4698.1	96.3
0°-180°	4881.0	100.0

**Coefficient of Utilization**

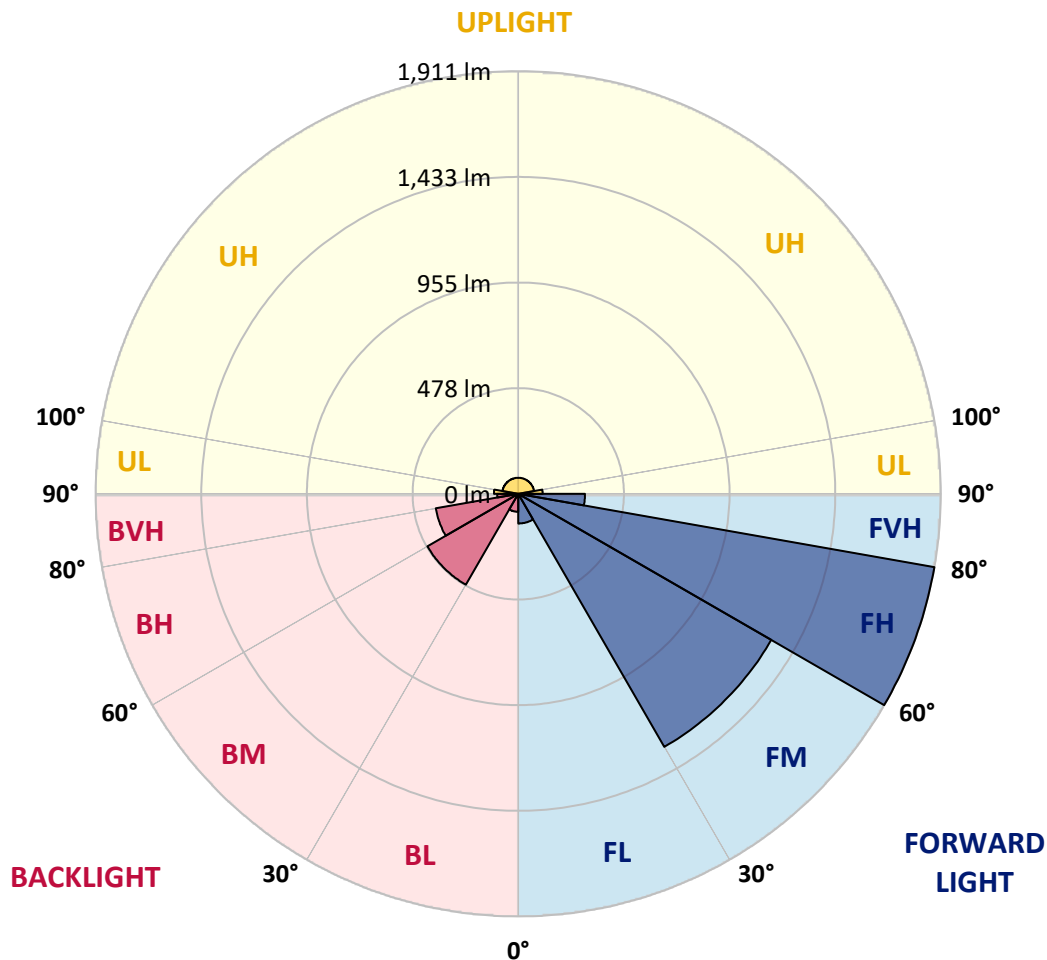


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.2	2.7			
FM (30°-60°)	1321.3	27.1			
FH (60°-80°)	1911.0	39.2			G2/5000
FVH (80°-90°)	301.6	6.2			G3/500
BL (0°-30°)	81.3	1.7	B0/110		
BM (30°-60°)	474.4	9.7	B1/1000		
BH (60°-80°)	378.8	7.8	B1/500		G1/500
BVH (80°-90°)	95.6	2.0			G1/100
UL (90°-100°)	110.2	2.3		U3/500	
UH (100°-180°)	72.6	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°	72°	75°	85°
0°	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8
2.5°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	119.3	117.5	117.5	115.8
5°	131.6	131.6	131.6	131.6	131.6	129.8	126.3	124.6	122.8	121.0	119.3
7.5°	147.4	145.6	145.6	143.8	142.1	140.3	136.8	133.3	129.8	128.1	124.6
10°	166.7	166.7	164.9	161.4	159.6	152.6	149.1	143.8	140.3	138.6	133.3
12.5°	201.7	198.2	196.5	191.2	182.4	173.7	166.7	161.4	157.9	157.9	150.9
15°	242.1	240.3	236.8	222.8	212.3	200.0	191.2	187.7	186.0	182.4	177.2
17.5°	291.2	291.2	284.2	264.9	247.4	235.1	224.5	219.3	217.5	217.5	212.3
20°	354.4	354.4	340.3	312.3	291.2	275.4	263.1	256.1	256.1	254.4	250.9
22.5°	428.0	431.5	410.5	373.7	338.6	315.8	301.7	300.0	300.0	307.0	303.5
25°	514.0	514.0	487.7	440.3	400.0	359.6	349.1	356.1	361.4	368.4	370.1
27.5°	624.5	621.0	577.2	517.5	454.4	410.5	398.2	412.3	428.0	433.3	443.8
30°	750.8	745.6	691.2	607.0	521.0	456.1	450.8	477.2	505.2	510.5	524.5
32.5°	857.8	861.3	799.9	707.0	589.4	512.2	507.0	549.1	584.2	596.4	622.8
35°	987.6	989.4	915.7	798.2	656.1	564.9	563.1	621.0	671.9	687.7	715.7
37.5°	1042.0	1052.6	996.4	877.1	722.8	621.0	617.5	689.4	747.3	764.9	796.4
40°	1098.2	1105.2	1047.3	935.0	777.1	670.1	671.9	749.1	801.7	822.7	840.3
42.5°	1213.9	1217.5	1138.5	996.4	822.7	721.0	722.8	792.9	852.6	878.9	910.5
45°	1317.5	1333.2	1256.1	1092.9	884.1	764.9	768.4	864.9	931.5	968.4	1006.9
47.5°	1464.8	1464.8	1401.7	1221.0	975.4	824.5	843.8	966.6	1057.8	1089.4	1145.5
50°	1596.4	1598.1	1550.8	1359.6	1077.1	907.0	942.0	1094.7	1210.4	1247.3	1322.7
52.5°	1705.1	1706.9	1673.6	1519.2	1215.7	1015.7	1056.1	1264.8	1394.6	1440.2	1506.9
55°	1840.2	1831.4	1810.4	1678.8	1373.6	1156.1	1215.7	1445.5	1580.6	1642.0	1722.7
57.5°	1984.1	1973.5	1982.3	1852.5	1554.3	1329.7	1391.1	1638.5	1826.2	1905.1	1998.1
60°	2063.0	2066.5	2133.2	2080.6	1773.6	1545.5	1613.9	1933.2	2127.9	2189.3	2210.4
62.5°	2101.6	2105.1	2219.1	2254.2	2033.2	1771.8	1868.3	2177.0	2317.4	2394.6	2378.8
65°	2091.1	2105.1	2287.6	2384.0	2250.7	2015.6	2119.1	2406.8	2564.7	2605.1	2482.3
67.5°	1903.4	1947.2	2164.8	2406.8	2364.7	2185.8	2287.6	2568.2	2643.7	2636.7	2377.0
70°	1612.2	1624.4	1885.8	2236.7	2331.4	2178.8	2303.3	2534.9	2548.9	2512.1	2143.7
72.5°	1240.3	1270.1	1506.9	1887.6	2099.9	2022.7	2127.9	2310.4	2224.4	2131.4	1729.7
75°	910.5	898.2	1096.4	1466.6	1738.5	1749.0	1852.5	1959.5	1831.4	1756.0	1412.2
77.5°	617.5	647.3	789.4	1085.9	1366.6	1461.3	1564.8	1578.8	1494.6	1433.2	1080.6
80°	422.8	428.0	535.0	792.9	1066.6	1199.9	1291.1	1322.7	1201.7	1131.5	815.7
82.5°	242.1	247.4	338.6	570.1	836.8	991.2	1084.1	1075.4	936.8	866.6	566.6
85°	135.1	136.8	196.5	352.6	629.8	792.9	873.6	803.5	664.9	600.0	371.9
87.5°	80.7	84.2	117.5	226.3	428.0	614.0	654.3	559.6	429.8	382.4	245.6
90°	50.9	54.4	71.9	133.3	275.4	431.5	443.8	352.6	266.6	240.3	166.7
92.5°	33.3	35.1	47.4	82.5	170.2	271.9	284.2	212.3	164.9	147.4	114.0
95°	26.3	26.3	33.3	56.1	105.3	159.6	171.9	128.1	107.0	96.5	78.9
97.5°	21.1	21.1	26.3	40.3	71.9	100.0	103.5	84.2	71.9	70.2	59.6
100°	17.5	19.3	22.8	31.6	50.9	66.7	66.7	57.9	52.6	52.6	47.4
102.5°	15.8	15.8	19.3	26.3	40.3	50.9	49.1	43.9	40.3	40.3	38.6
105°	15.8	14.0	17.5	21.1	31.6	38.6	36.8	33.3	31.6	29.8	29.8
107.5°	14.0	12.3	14.0	17.5	26.3	31.6	29.8	26.3	24.6	22.8	24.6
110°	12.3	12.3	12.3	15.8	21.1	26.3	24.6	21.1	19.3	19.3	19.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.5	10.5	10.5	14.0	17.5	21.1	21.1	17.5	15.8	14.0	15.8
115°	10.5	10.5	10.5	12.3	15.8	19.3	17.5	14.0	12.3	12.3	14.0
117.5°	8.8	8.8	8.8	12.3	14.0	15.8	15.8	12.3	10.5	10.5	12.3
120°	8.8	8.8	8.8	10.5	14.0	14.0	14.0	10.5	10.5	10.5	12.3
122.5°	8.8	8.8	8.8	10.5	12.3	14.0	12.3	10.5	8.8	8.8	10.5
125°	8.8	8.8	8.8	10.5	12.3	12.3	10.5	8.8	8.8	8.8	10.5
127.5°	8.8	8.8	8.8	10.5	10.5	10.5	10.5	8.8	8.8	8.8	10.5
130°	8.8	8.8	8.8	8.8	10.5	10.5	8.8	8.8	8.8	8.8	8.8
132.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.0	8.8	8.8	8.8
135°	8.8	8.8	8.8	8.8	8.8	8.8	7.0	7.0	7.0	7.0	8.8
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.8
140°	7.0	7.0	7.0	7.0	7.0	7.0	5.3	5.3	5.3	5.3	7.0
142.5°	7.0	7.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
145°	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3
147.5°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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°	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8
2.5°	115.8	115.8	114.0	112.3	112.3	112.3	112.3	112.3	110.5	110.5	110.5
5°	117.5	115.8	114.0	112.3	110.5	108.8	107.0	107.0	105.3	105.3	105.3
7.5°	122.8	121.0	115.8	112.3	108.8	107.0	105.3	103.5	101.7	100.0	100.0
10°	131.6	128.1	121.0	115.8	110.5	107.0	103.5	101.7	100.0	100.0	98.2
12.5°	147.4	143.8	133.3	124.6	115.8	110.5	105.3	103.5	103.5	103.5	105.3
15°	173.7	168.4	154.4	142.1	128.1	117.5	114.0	115.8	117.5	119.3	119.3
17.5°	207.0	200.0	184.2	163.1	143.8	131.6	129.8	131.6	135.1	138.6	138.6
20°	245.6	236.8	212.3	187.7	163.1	152.6	147.4	150.9	156.1	163.1	161.4
22.5°	300.0	285.9	256.1	215.8	187.7	173.7	166.7	171.9	182.4	189.5	189.5
25°	361.4	343.8	305.2	250.9	212.3	191.2	187.7	196.5	215.8	226.3	226.3
27.5°	431.5	410.5	357.9	287.7	238.6	210.5	207.0	226.3	250.9	270.2	268.4
30°	514.0	489.4	421.0	326.3	263.1	226.3	229.8	256.1	289.5	312.3	312.3
32.5°	608.7	570.1	482.4	368.4	282.4	240.3	247.4	282.4	322.8	345.6	349.1
35°	698.2	652.6	533.3	400.0	298.2	252.6	261.4	307.0	354.4	382.4	382.4
37.5°	775.4	726.3	573.6	421.0	305.2	259.6	273.7	326.3	371.9	400.0	400.0
40°	812.2	754.3	585.9	424.5	307.0	263.1	280.7	335.1	378.9	401.7	400.0
42.5°	878.9	801.7	587.7	405.2	301.7	264.9	284.2	331.6	364.9	375.4	373.7
45°	968.4	868.4	596.4	387.7	289.5	261.4	280.7	319.3	338.6	340.3	336.8
47.5°	1084.1	964.8	608.7	371.9	278.9	256.1	271.9	301.7	312.3	307.0	305.2
50°	1243.8	1075.4	626.3	354.4	271.9	247.4	263.1	289.5	296.5	285.9	284.2
52.5°	1399.9	1185.9	633.3	336.8	264.9	242.1	257.9	284.2	285.9	268.4	266.6
55°	1589.4	1305.2	624.5	317.5	261.4	240.3	257.9	280.7	273.7	256.1	252.6
57.5°	1826.2	1457.8	622.8	300.0	254.4	240.3	259.6	277.2	271.9	259.6	257.9
60°	1973.5	1522.7	594.7	289.5	249.1	243.8	263.1	282.4	275.4	261.4	259.6
62.5°	2078.8	1550.8	552.6	277.2	245.6	243.8	268.4	284.2	273.7	263.1	261.4
65°	2108.6	1522.7	508.7	264.9	240.3	243.8	270.2	282.4	277.2	270.2	270.2
67.5°	1982.3	1396.4	445.6	254.4	233.3	238.6	266.6	284.2	280.7	277.2	275.4
70°	1752.5	1217.5	387.7	240.3	221.0	229.8	261.4	284.2	284.2	282.4	282.4
72.5°	1398.1	940.3	312.3	224.5	207.0	219.3	254.4	278.9	277.2	275.4	273.7
75°	1121.0	742.1	264.9	203.5	193.0	205.2	243.8	268.4	264.9	264.9	263.1
77.5°	843.8	561.4	224.5	184.2	175.4	193.0	228.1	250.9	249.1	247.4	243.8
80°	610.5	415.8	191.2	166.7	161.4	177.2	208.8	228.1	228.1	228.1	226.3
82.5°	442.1	307.0	166.7	150.9	147.4	161.4	187.7	203.5	210.5	215.8	212.3
85°	291.2	215.8	147.4	136.8	136.8	149.1	170.2	184.2	194.7	200.0	198.2
87.5°	198.2	164.9	129.8	121.0	124.6	136.8	156.1	166.7	175.4	180.7	178.9
90°	140.3	128.1	110.5	103.5	107.0	122.8	140.3	149.1	152.6	154.4	152.6
92.5°	100.0	94.7	87.7	84.2	89.5	107.0	122.8	126.3	126.3	124.6	121.0
95°	75.4	71.9	70.2	66.7	73.7	89.5	101.7	101.7	101.7	96.5	96.5
97.5°	57.9	57.9	57.9	54.4	59.6	71.9	80.7	78.9	78.9	75.4	75.4
100°	47.4	47.4	47.4	45.6	49.1	57.9	61.4	61.4	63.2	61.4	61.4
102.5°	38.6	38.6	38.6	38.6	40.3	47.4	50.9	49.1	50.9	50.9	50.9
105°	31.6	31.6	33.3	31.6	35.1	40.3	40.3	40.3	42.1	38.6	40.3
107.5°	24.6	26.3	26.3	26.3	29.8	33.3	35.1	33.3	33.3	31.6	31.6
110°	21.1	22.8	22.8	22.8	24.6	28.1	29.8	28.1	26.3	26.3	26.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.5	19.3	19.3	19.3	21.1	24.6	24.6	22.8	21.1	21.1	21.1
115°	15.8	15.8	17.5	17.5	19.3	21.1	21.1	19.3	17.5	19.3	19.3
117.5°	14.0	14.0	15.8	15.8	15.8	17.5	17.5	15.8	15.8	17.5	17.5
120°	12.3	14.0	14.0	14.0	14.0	15.8	15.8	14.0	14.0	15.8	15.8
122.5°	12.3	12.3	12.3	12.3	14.0	14.0	14.0	12.3	12.3	14.0	14.0
125°	10.5	12.3	12.3	12.3	12.3	12.3	12.3	10.5	12.3	12.3	14.0
127.5°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	12.3	12.3
130°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	8.8	10.5	10.5	10.5
132.5°	10.5	10.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8	10.5	10.5
135°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	10.5	10.5
137.5°	8.8	8.8	7.0	7.0	7.0	7.0	7.0	7.0	8.8	8.8	8.8
140°	7.0	7.0	7.0	5.3	5.3	5.3	7.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	5.3	5.3	5.3	5.3	5.3	5.3	7.0	7.0	7.0
145°	5.3	5.3	5.3	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	1.8	3.5	3.5	3.5	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

(END OF REPORT)