

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: P695772

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5012 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 III - Medium
BUG Rating: B1 - U3 - G2

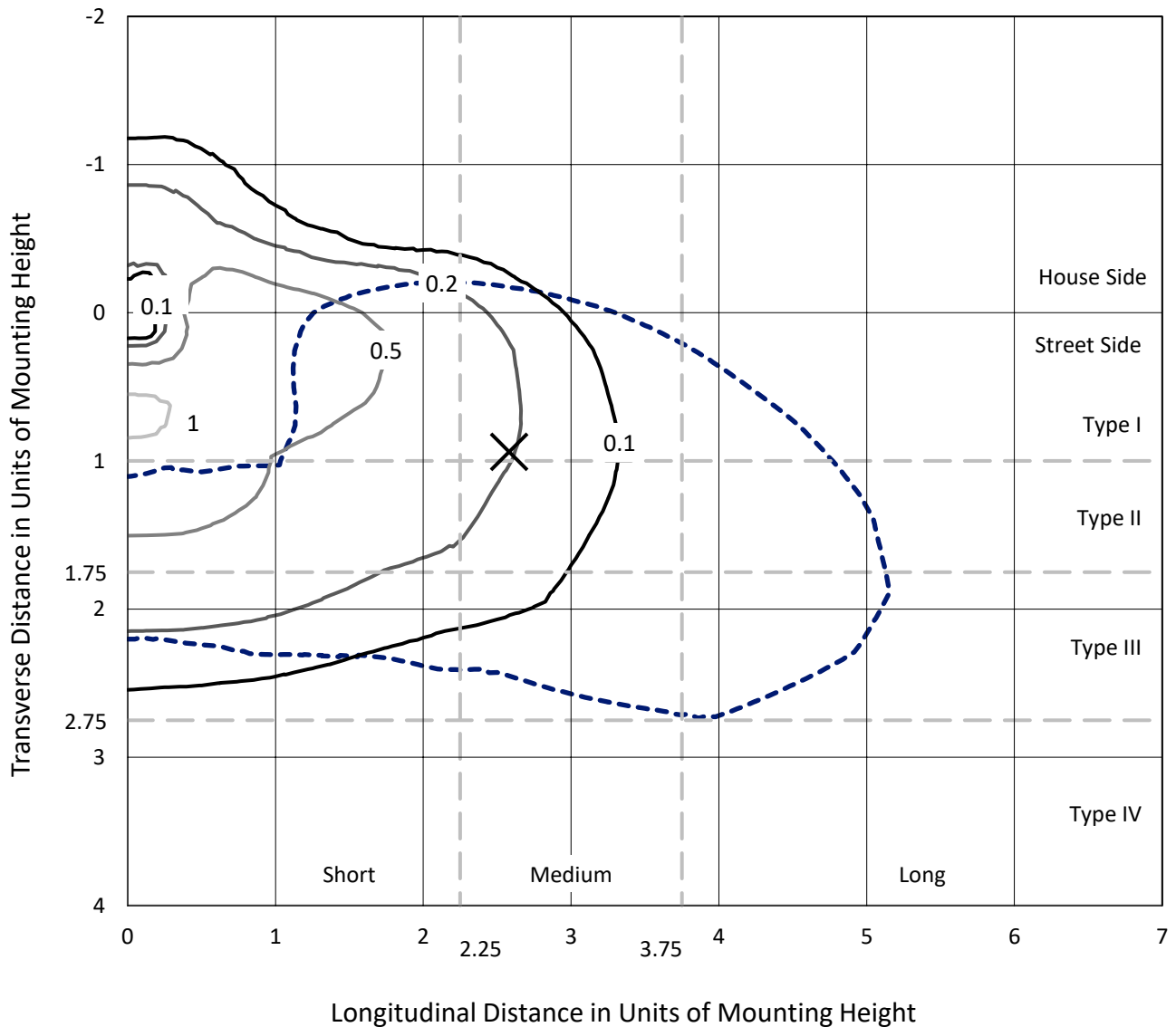
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

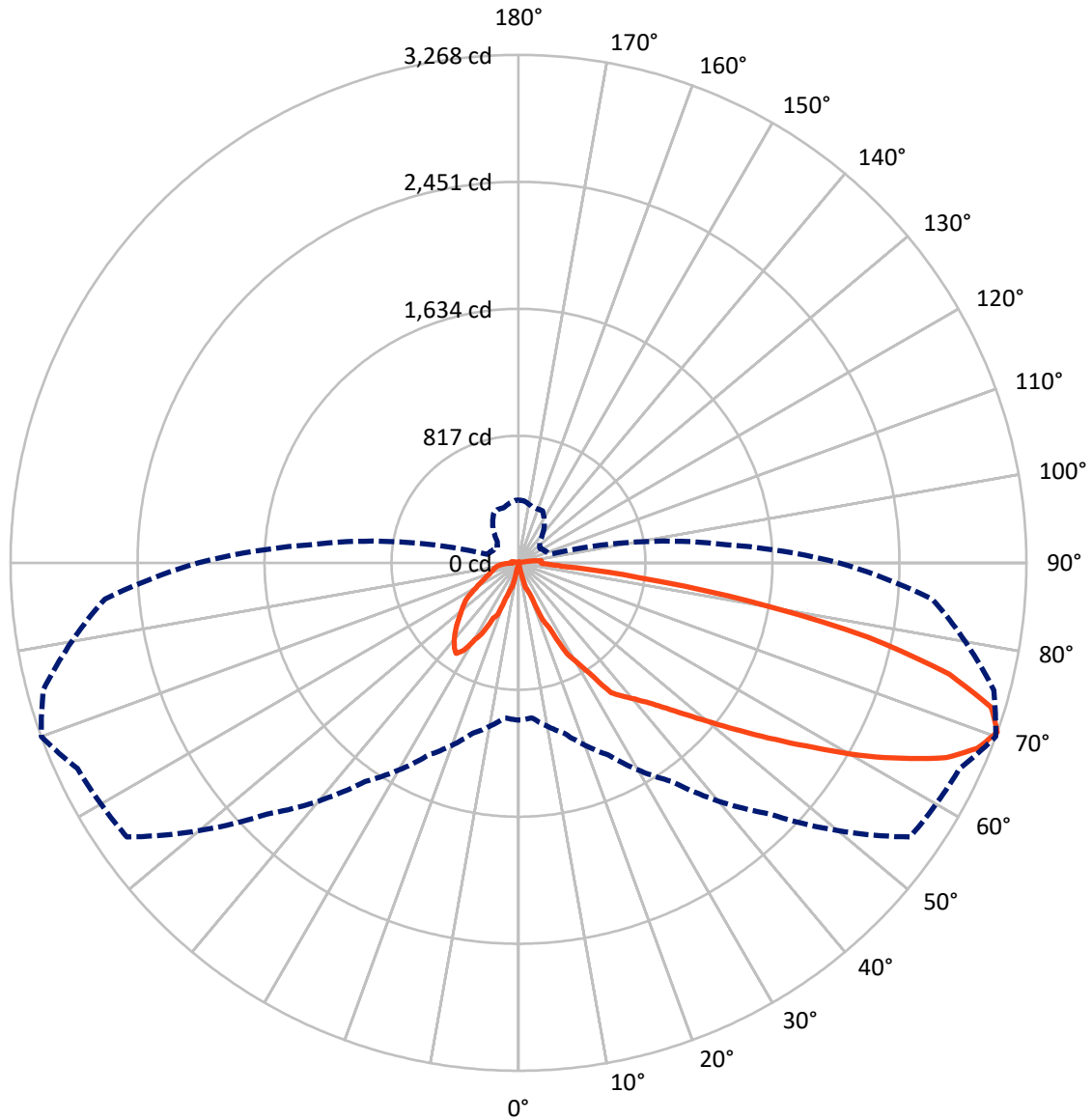
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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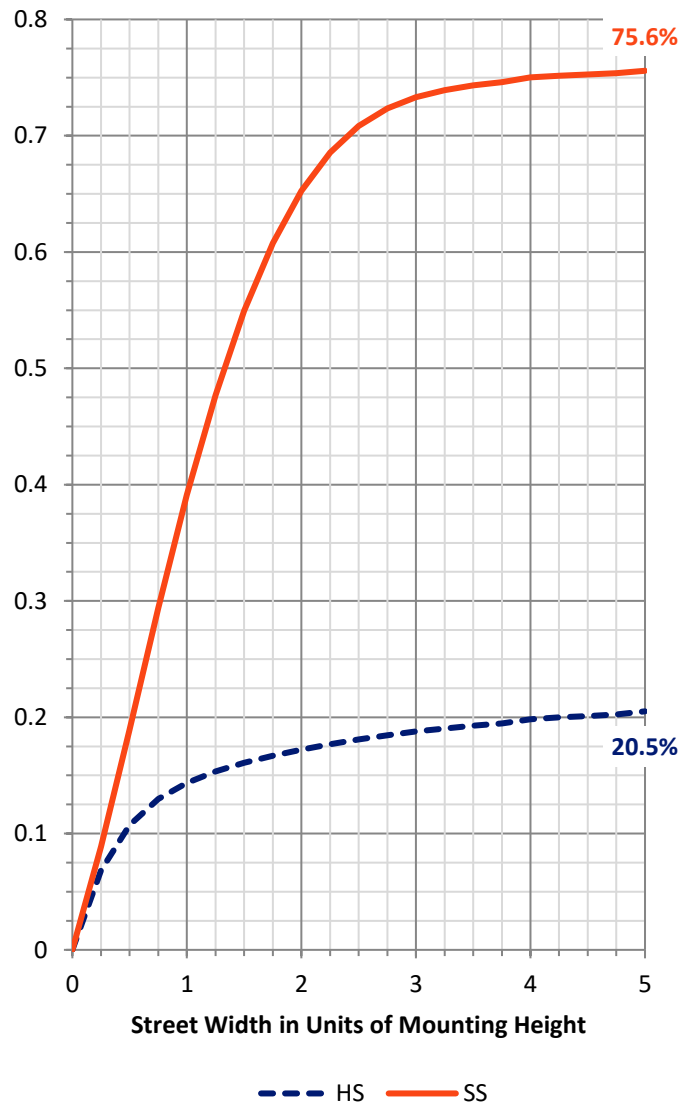
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.6	54.1	1144.7
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	3819.8	47.6	3867.3
	% Fixture	76.2	0.9	77.2
Total	Lumens	4910.4	101.6	5012.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	35.8	0.7
20°-30°	204.8	4.1
30°-40°	472.7	9.4
40°-50°	692.5	13.8
50°-60°	1024.2	20.4
60°-70°	1343.3	26.8
70°-80°	912.3	18.2
80°-90°	224.4	4.5
90°-100°	73.7	1.5
100°-110°	13.2	0.3
110°-120°	5.2	0.1
120°-130°	4.1	0.1
130°-140°	2.9	0.1
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4910.4	98.0
0°-180°	5012.0	100.0

Coefficient of Utilization

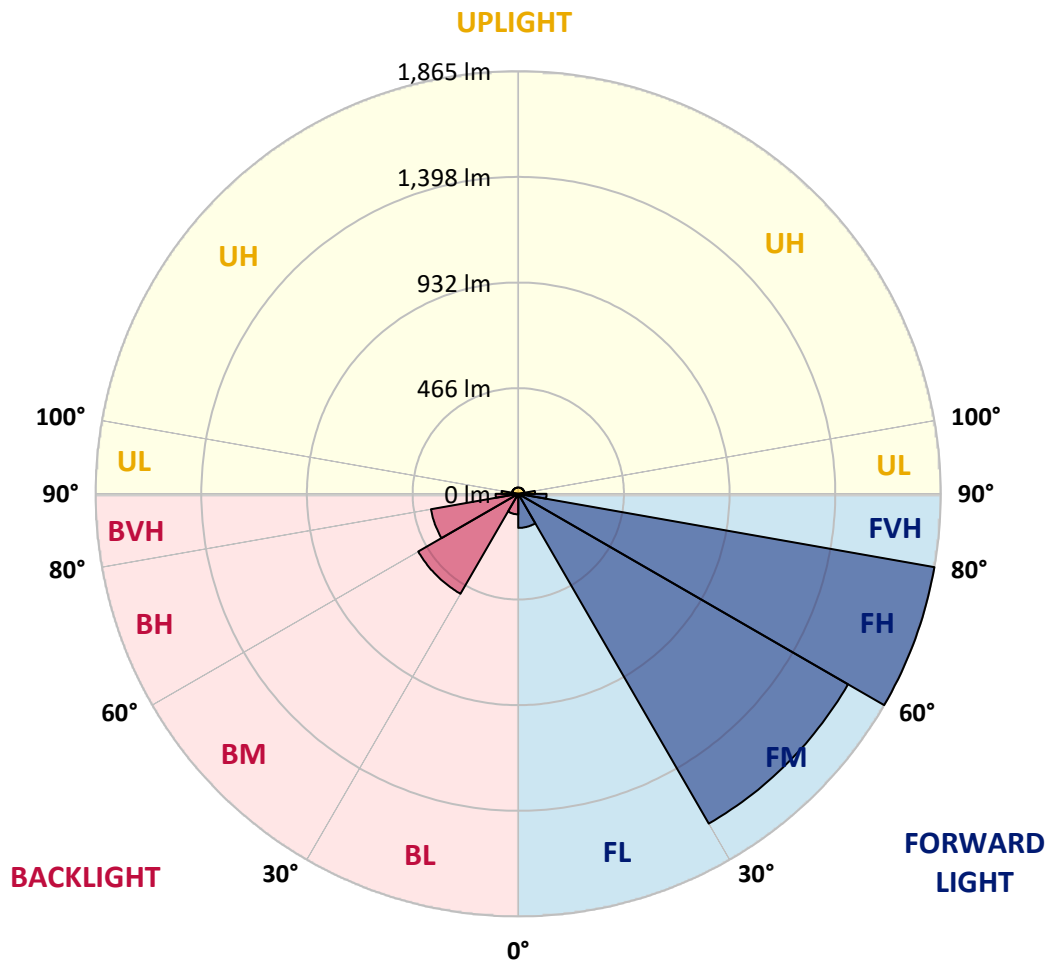


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.5	3.0			
FM (30°-60°)	1680.1	33.5			
FH (60°-80°)	1864.5	37.2			G2/5000
FVH (80°-90°)	124.7	2.5			G2/225
BL (0°-30°)	90.5	1.8	B0/110		
BM (30°-60°)	509.4	10.2	B1/1000		
BH (60°-80°)	391.1	7.8	B1/500		G1/500
BVH (80°-90°)	99.7	2.0			G1/100
UL (90°-100°)	73.7	1.5		U3/500	
UH (100°-180°)	27.9	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	5.3	5.3	3.5	3.5	3.5	3.5	3.5
7.5°	5.3	3.5	3.5	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5
10°	29.8	31.6	21.0	12.3	8.8	5.3	5.3	5.3	5.3	5.3	5.3
12.5°	161.4	159.6	156.1	108.7	38.6	12.3	8.8	15.8	19.3	24.6	35.1
15°	182.4	184.2	178.9	177.2	166.6	63.1	33.3	147.3	161.4	163.1	163.1
17.5°	254.3	252.6	228.0	200.0	187.7	194.7	156.1	175.4	182.4	185.9	187.7
20°	428.0	426.2	421.0	359.6	231.5	284.1	275.4	208.7	221.0	284.1	361.3
22.5°	477.1	473.6	466.6	449.0	464.8	324.5	315.7	366.6	398.2	417.5	415.7
25°	731.4	738.4	608.6	505.2	513.9	443.8	477.1	473.6	464.8	468.3	473.6
27.5°	813.9	806.8	796.3	745.5	571.8	603.4	543.7	605.1	661.3	692.8	684.1
30°	1043.6	1041.9	917.3	829.6	750.7	654.2	677.0	763.0	743.7	749.0	720.9
32.5°	1219.0	1217.3	1199.7	1024.3	850.7	740.2	803.3	806.8	856.0	952.4	961.2
35°	1287.4	1280.4	1268.1	1140.1	968.2	871.7	848.9	998.0	1026.1	1029.6	1005.0
37.5°	1357.6	1348.8	1338.3	1196.2	1084.0	924.4	973.5	1087.5	1087.5	1110.3	1048.9
40°	1397.9	1397.9	1396.2	1243.6	1136.6	971.7	1034.9	1155.9	1152.4	1168.2	1110.3
42.5°	1448.8	1443.5	1462.8	1292.7	1191.0	1020.8	1094.5	1220.8	1231.3	1271.7	1192.7
45°	1520.7	1527.7	1536.5	1397.9	1264.6	1092.7	1164.7	1322.5	1333.0	1387.4	1312.0
47.5°	1599.7	1608.4	1640.0	1508.4	1383.9	1184.0	1224.3	1438.3	1462.8	1529.5	1462.8
50°	1697.9	1699.6	1745.2	1618.9	1536.5	1313.8	1333.0	1550.5	1615.4	1675.1	1634.7
52.5°	1768.0	1775.1	1831.2	1761.0	1676.8	1469.9	1490.9	1696.1	1797.9	1871.5	1820.7
55°	1829.4	1834.7	1887.3	1869.8	1794.4	1589.1	1696.1	1892.6	2006.6	2069.7	2048.7
57.5°	1852.2	1857.5	1936.4	1950.5	1913.6	1740.0	1911.9	2087.3	2239.9	2310.0	2274.9
60°	1836.4	1836.4	1932.9	2008.3	2045.2	1906.6	2139.9	2306.5	2513.5	2560.9	2573.1
62.5°	1783.8	1797.9	1915.4	2032.9	2139.9	2069.7	2371.4	2578.4	2769.6	2813.4	2785.4
65°	1668.1	1671.6	1796.1	1980.3	2150.4	2246.9	2667.8	2808.2	3023.9	3008.1	2888.9
67.5°	1448.8	1424.3	1533.0	1792.6	2034.6	2338.1	2915.2	3002.9	3183.5	3130.9	2862.5
70°	1012.1	1001.5	1134.8	1362.9	1715.4	2285.5	3074.8	3130.9	3267.7	3166.0	2671.4
72.5°	480.6	519.2	585.8	780.5	1189.2	1929.4	3030.9	3118.6	3180.0	3064.3	2320.6
75°	210.5	215.7	250.8	354.3	612.1	1219.0	2652.1	2801.2	2862.5	2731.0	1827.7
77.5°	150.8	150.8	166.6	192.9	278.9	582.3	1806.6	2218.8	2297.8	2169.7	1280.4
80°	117.5	117.5	129.8	147.3	173.6	240.3	1126.1	1487.4	1515.5	1326.0	713.9
82.5°	87.7	91.2	101.7	110.5	128.0	164.9	482.4	764.7	784.0	615.7	373.6
85°	63.1	63.1	70.2	70.2	84.2	128.0	249.1	280.6	278.9	247.3	231.5
87.5°	21.0	21.0	17.5	21.0	35.1	80.7	156.1	157.9	150.8	171.9	194.7
90°	24.6	24.6	17.5	19.3	26.3	73.7	150.8	150.8	143.8	154.4	194.7
92.5°	26.3	26.3	19.3	19.3	22.8	64.9	152.6	159.6	150.8	156.1	192.9
95°	26.3	26.3	19.3	17.5	21.0	43.9	147.3	147.3	142.1	138.6	152.6
97.5°	15.8	15.8	12.3	14.0	17.5	22.8	87.7	91.2	80.7	63.1	82.4
100°	10.5	10.5	8.8	10.5	12.3	12.3	42.1	43.9	33.3	15.8	17.5
102.5°	10.5	10.5	7.0	8.8	7.0	7.0	12.3	15.8	10.5	10.5	14.0
105°	10.5	12.3	5.3	5.3	5.3	5.3	5.3	10.5	8.8	8.8	14.0
107.5°	10.5	10.5	5.3	5.3	5.3	5.3	3.5	5.3	7.0	8.8	15.8
110°	5.3	7.0	3.5	5.3	3.5	5.3	3.5	5.3	7.0	7.0	12.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.5	3.5	1.8	3.5	3.5	3.5	3.5	5.3	5.3	5.3	8.8
115°	3.5	3.5	1.8	1.8	1.8	3.5	3.5	3.5	5.3	5.3	8.8
117.5°	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	3.5	5.3	8.8
120°	5.3	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3	8.8
122.5°	5.3	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	8.8
125°	5.3	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	8.8
127.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	8.8
130°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	7.0
132.5°	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	7.0
135°	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	5.3
137.5°	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3
150°	5.3	5.3	5.3	3.5	3.5	1.8	3.5	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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3
7.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
10°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3
12.5°	31.6	31.6	24.6	12.3	5.3	3.5	3.5	3.5	5.3	8.8	7.0
15°	166.6	166.6	163.1	149.1	31.6	8.8	7.0	15.8	70.2	126.3	128.0
17.5°	191.2	189.4	185.9	177.2	157.9	56.1	54.4	147.3	157.9	164.9	166.6
20°	359.6	356.1	275.4	196.4	171.9	170.1	149.1	166.6	171.9	175.4	177.2
22.5°	410.4	405.2	385.9	340.3	196.4	231.5	217.5	180.7	270.1	289.4	289.4
25°	471.8	457.8	419.2	366.6	335.0	243.8	250.8	263.1	278.9	282.4	282.4
27.5°	671.8	659.5	603.4	403.4	359.6	287.7	291.2	266.6	280.6	321.0	326.2
30°	703.4	684.1	633.2	498.1	373.6	322.7	278.9	312.2	328.0	326.2	328.0
32.5°	936.6	917.3	813.9	512.2	401.7	303.4	305.2	312.2	322.7	340.3	352.6
35°	973.5	952.4	834.9	582.3	384.1	301.7	301.7	315.7	363.1	370.1	370.1
37.5°	1013.8	996.3	826.1	543.7	387.6	301.7	292.9	322.7	342.0	340.3	340.3
40°	1084.0	1055.9	803.3	496.4	352.6	289.4	292.9	303.4	314.0	303.4	298.2
42.5°	1166.4	1115.5	773.5	447.3	324.5	273.6	277.1	280.6	280.6	261.3	259.6
45°	1271.7	1176.9	733.2	401.7	298.2	254.3	263.1	257.8	257.8	242.1	240.3
47.5°	1390.9	1240.1	684.1	361.3	275.4	236.8	249.1	243.8	247.3	233.3	231.5
50°	1529.5	1322.5	636.7	331.5	256.1	228.0	235.0	242.1	247.3	229.8	228.0
52.5°	1675.1	1403.2	603.4	298.2	238.5	217.5	240.3	242.1	245.6	228.0	228.0
55°	1854.0	1503.2	563.0	273.6	226.3	208.7	252.6	252.6	247.3	231.5	229.8
57.5°	2046.9	1603.2	487.6	250.8	215.7	203.5	257.8	266.6	254.3	235.0	235.0
60°	2225.8	1703.1	401.7	233.3	205.2	201.7	261.3	273.6	263.1	245.6	245.6
62.5°	2362.6	1752.3	336.8	219.3	192.9	196.4	259.6	287.7	284.1	275.4	275.4
65°	2378.4	1708.4	282.4	207.0	182.4	194.7	256.1	301.7	303.4	317.5	319.2
67.5°	2294.2	1568.1	240.3	196.4	173.6	189.4	257.8	331.5	340.3	366.6	363.1
70°	2062.7	1340.1	208.7	184.2	166.6	191.2	289.4	368.3	366.6	399.9	403.4
72.5°	1722.4	1061.2	189.4	177.2	170.1	205.2	326.2	378.9	371.8	408.7	405.2
75°	1306.7	749.0	173.6	168.4	164.9	208.7	335.0	368.3	354.3	378.9	375.4
77.5°	859.5	492.9	157.9	157.9	159.6	200.0	321.0	350.8	333.3	349.0	347.3
80°	484.1	292.9	142.1	149.1	152.6	191.2	299.9	326.2	308.7	321.0	321.0
82.5°	291.2	208.7	124.5	136.8	140.3	189.4	280.6	303.4	287.7	294.7	285.9
85°	198.2	152.6	98.2	115.8	131.6	182.4	264.9	280.6	252.6	247.3	240.3
87.5°	161.4	119.3	54.4	73.7	98.2	156.1	210.5	212.2	185.9	182.4	180.7
90°	157.9	110.5	38.6	40.3	64.9	108.7	138.6	133.3	124.5	126.3	124.5
92.5°	154.4	105.2	42.1	43.9	64.9	85.9	117.5	115.8	107.0	115.8	114.0
95°	131.6	91.2	43.9	47.4	56.1	52.6	85.9	91.2	84.2	89.5	91.2
97.5°	68.4	49.1	42.1	47.4	42.1	31.6	50.9	57.9	43.9	35.1	38.6
100°	22.8	15.8	42.1	49.1	31.6	22.8	36.8	42.1	26.3	10.5	10.5
102.5°	14.0	14.0	29.8	38.6	22.8	12.3	24.6	29.8	19.3	8.8	8.8
105°	14.0	14.0	12.3	21.0	8.8	7.0	8.8	15.8	10.5	8.8	8.8
107.5°	15.8	14.0	7.0	7.0	7.0	5.3	5.3	7.0	7.0	8.8	8.8
110°	14.0	12.3	7.0	7.0	5.3	5.3	5.3	5.3	7.0	10.5	10.5

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CANDELA DISTRIBUTION (continued):

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