

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: P694772

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3064.1 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

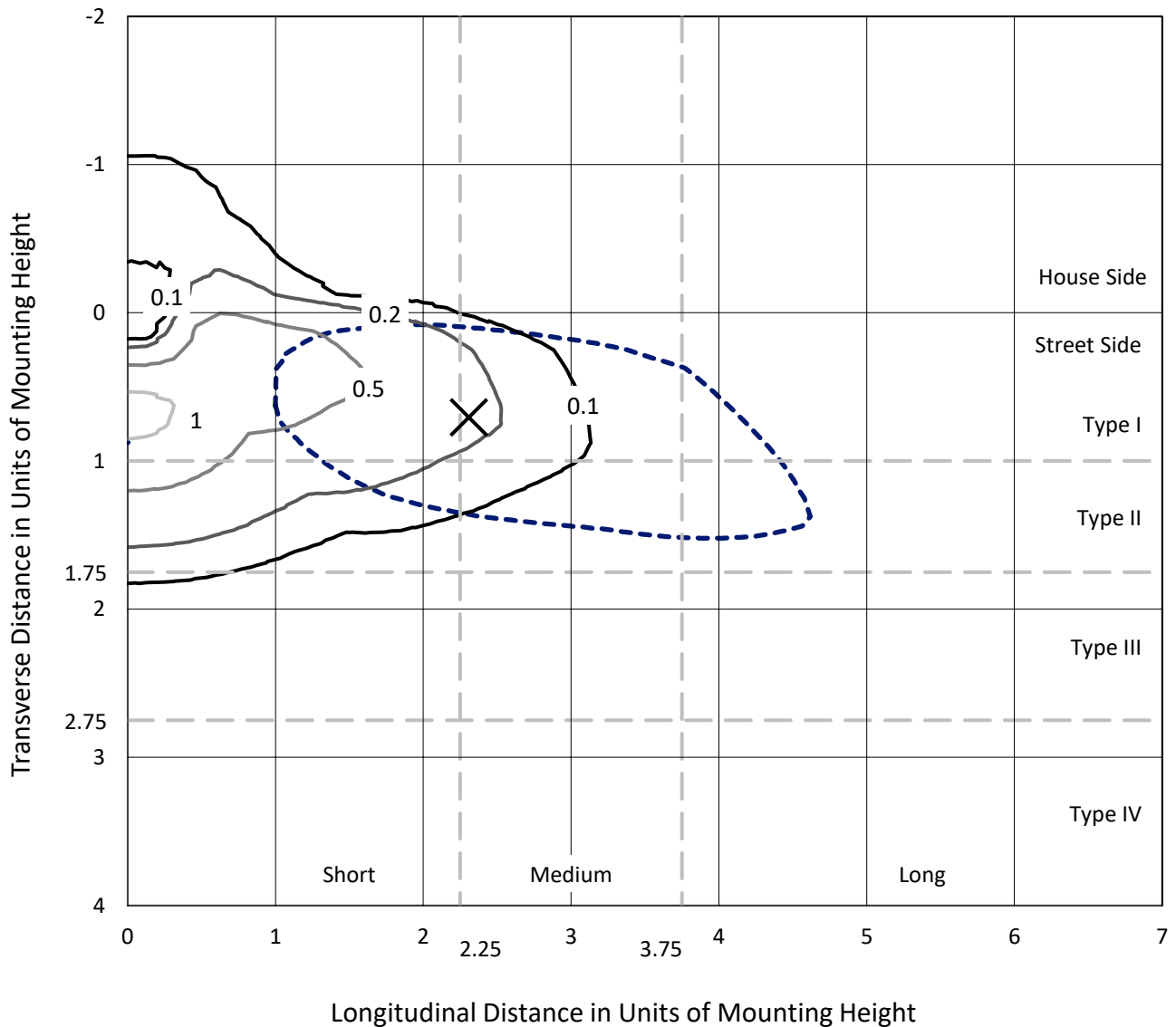
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

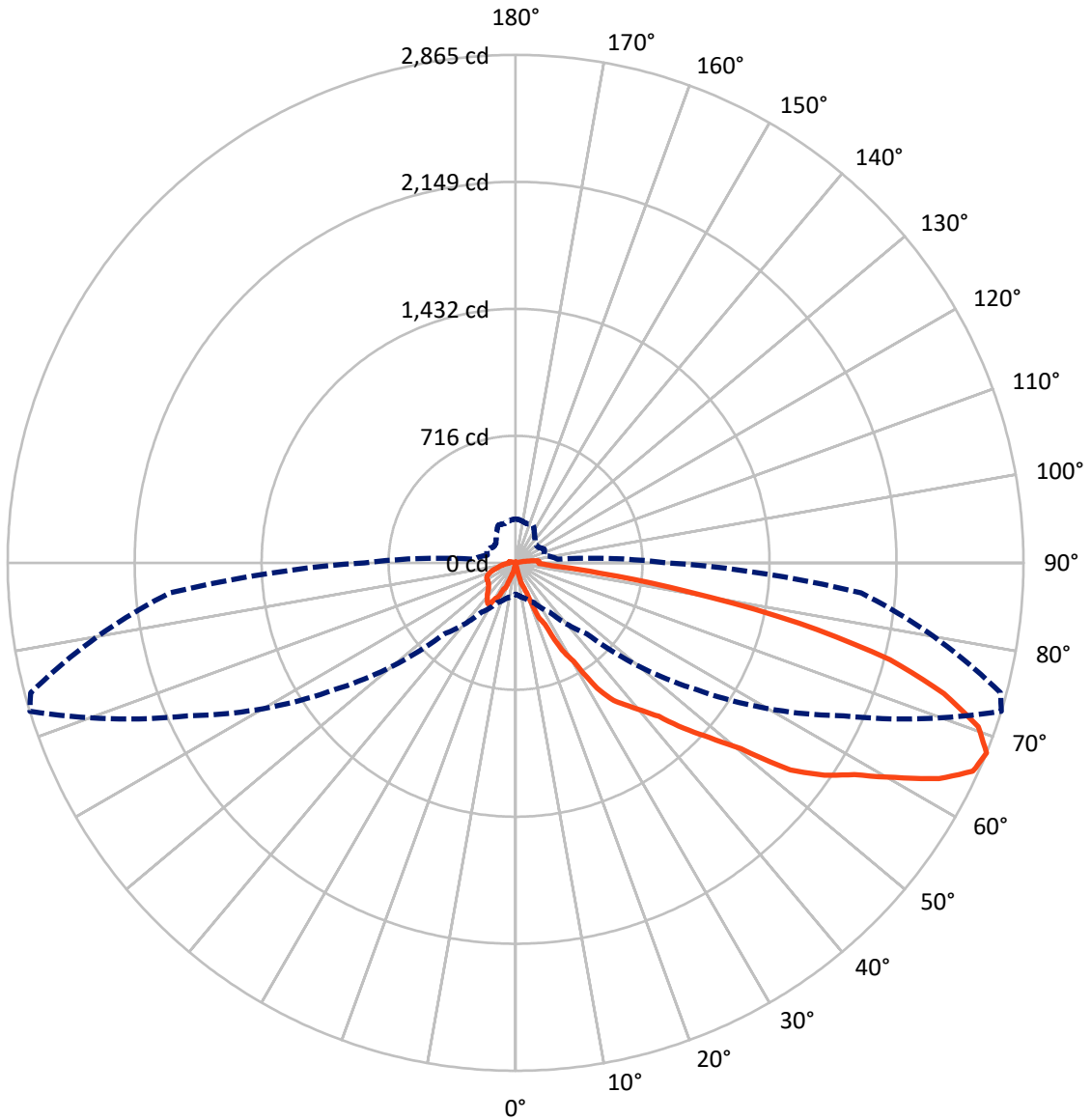
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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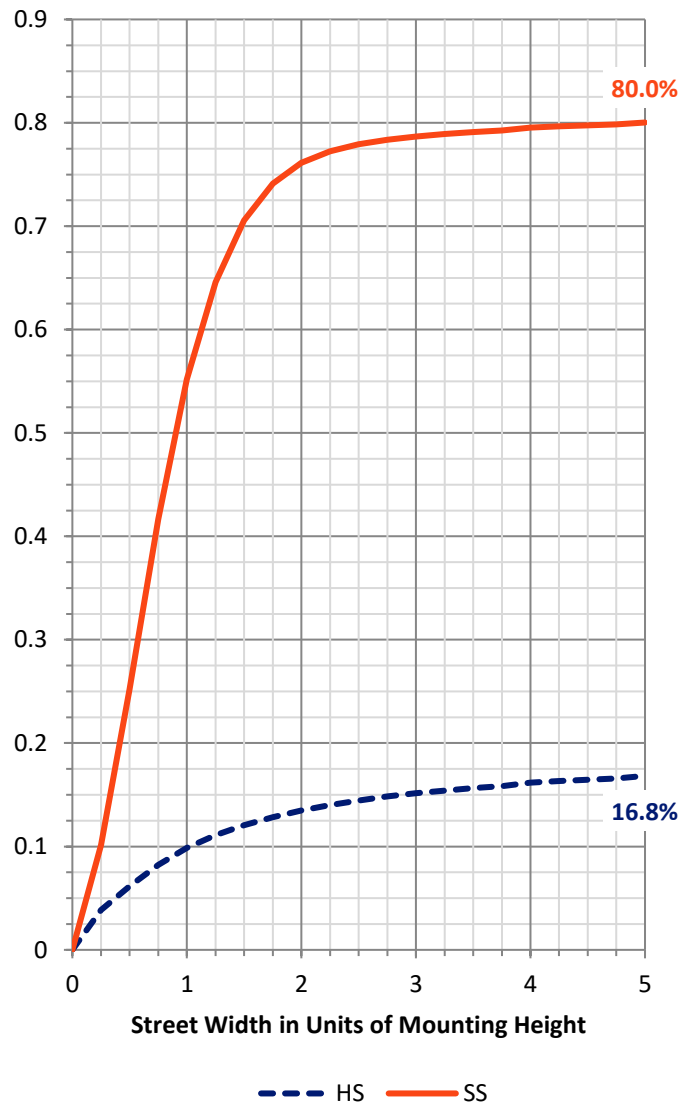
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.7	23.1	564.7
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	2471.0	28.4	2499.4
	% Fixture	80.6	0.9	81.6
Total	Lumens	3012.6	51.5	3064.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	24.8	0.8
20°-30°	153.4	5.0
30°-40°	385.8	12.6
40°-50°	557.1	18.2
50°-60°	681.3	22.2
60°-70°	671.7	21.9
70°-80°	422.6	13.8
80°-90°	115.6	3.8
90°-100°	33.6	1.1
100°-110°	7.2	0.2
110°-120°	3.7	0.1
120°-130°	3.1	0.1
130°-140°	2.2	0.1
140°-150°	1.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3012.6	98.3
0°-180°	3064.1	100.0

Coefficient of Utilization

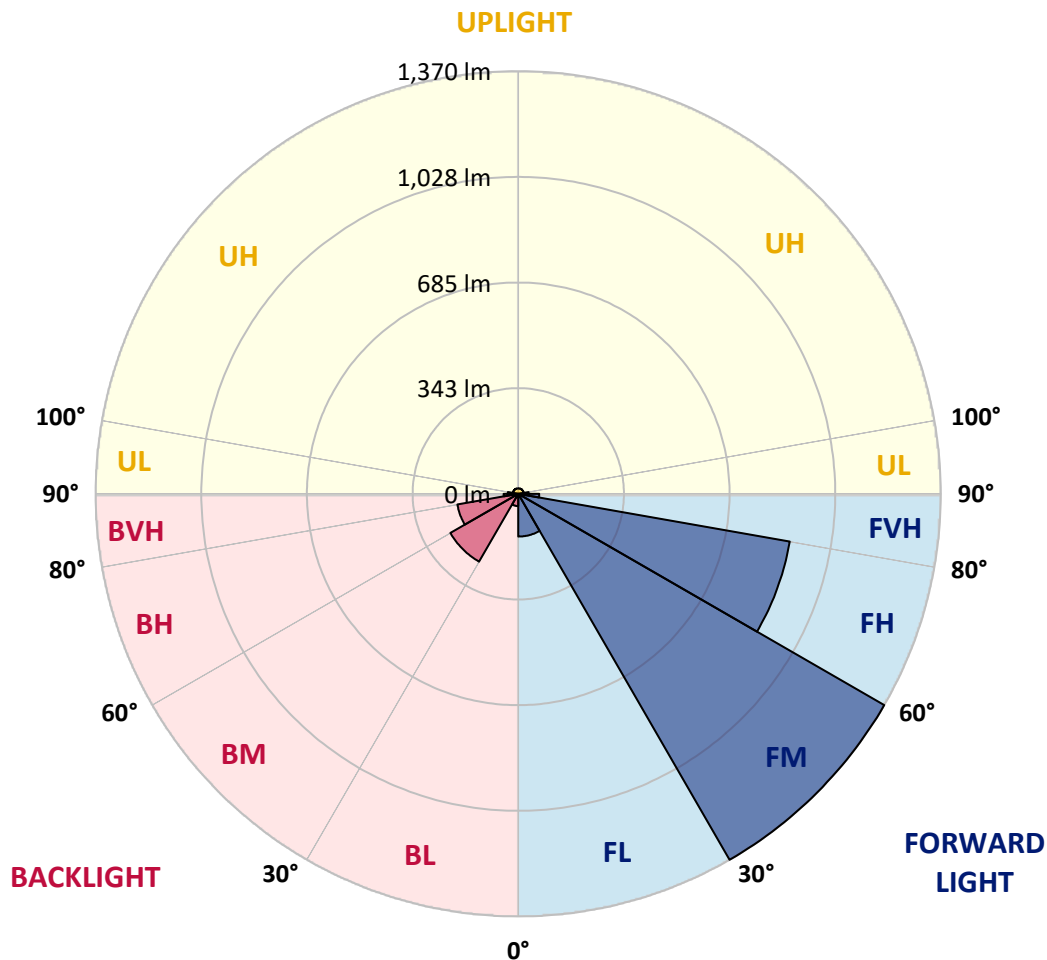


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.7	4.5			
FM (30°-60°)	1370.2	44.7			
FH (60°-80°)	894.0	29.2			G1/1800
FVH (80°-90°)	68.1	2.2			G1/100
BL (0°-30°)	39.8	1.3	B0/110		
BM (30°-60°)	254.1	8.3	B1/1000		
BH (60°-80°)	200.4	6.5	B1/500		G1/500
BVH (80°-90°)	47.5	1.5			G1/100
UL (90°-100°)	33.6	1.1		U2/50	
UH (100°-180°)	17.9	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2
5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2
7.5°	4.4	5.4	4.4	4.4	4.4	4.4	4.4	3.3	2.2	2.2	2.2
10°	18.5	17.4	12.0	10.9	6.5	5.4	4.4	3.3	3.3	3.3	3.3
12.5°	145.8	144.7	141.4	127.3	21.8	10.9	6.5	8.7	12.0	14.1	16.3
15°	167.6	169.7	166.5	163.2	157.8	52.2	22.8	126.2	117.5	113.2	87.0
17.5°	302.5	226.3	199.1	194.8	182.8	153.4	139.3	154.5	140.4	136.0	105.5
20°	415.6	413.5	405.8	391.7	219.8	279.6	267.7	181.7	183.9	194.8	207.8
22.5°	464.6	462.4	452.6	437.4	457.0	322.1	303.6	337.3	334.0	324.2	251.3
25°	761.6	751.8	698.5	509.2	510.3	449.4	465.7	434.1	383.0	373.2	292.7
27.5°	825.8	831.3	818.2	743.1	584.3	598.4	511.4	499.4	557.1	573.4	442.8
30°	1104.4	1130.5	1005.3	847.6	766.0	653.9	626.7	685.5	644.1	625.6	484.2
32.5°	1290.4	1278.4	1254.5	1057.6	869.3	783.4	782.3	756.2	843.2	841.0	680.0
35°	1364.4	1354.6	1330.7	1158.8	999.9	919.4	850.8	940.1	954.2	918.3	725.7
37.5°	1419.9	1409.0	1380.7	1195.7	1104.4	974.9	1003.2	1007.5	1020.6	1013.0	766.0
40°	1423.1	1416.6	1397.0	1248.0	1162.0	1018.4	1086.9	1096.7	1093.5	1113.1	817.1
42.5°	1411.2	1398.1	1386.2	1257.8	1192.5	1052.1	1151.1	1207.7	1183.8	1212.1	877.0
45°	1364.4	1349.2	1343.7	1257.8	1188.1	1075.0	1226.2	1312.2	1330.7	1305.6	942.2
47.5°	1285.0	1281.7	1283.9	1228.4	1183.8	1101.1	1298.0	1391.6	1472.1	1432.9	1038.0
50°	1204.5	1209.9	1225.1	1194.7	1170.7	1116.3	1389.4	1528.7	1647.3	1594.0	1181.6
52.5°	1077.2	1084.8	1128.3	1140.3	1133.7	1115.2	1460.1	1713.6	1941.0	1867.1	1330.7
55°	960.7	965.1	994.5	1038.0	1063.0	1092.4	1488.4	1795.3	2114.0	2030.3	1427.5
57.5°	828.0	819.3	857.4	920.5	977.1	1060.8	1517.8	1859.4	2253.3	2207.6	1553.7
60°	670.2	651.7	707.2	766.0	851.9	995.5	1536.3	1970.4	2457.9	2431.8	1737.6
62.5°	451.5	460.2	515.7	595.2	714.8	885.7	1515.6	2071.6	2679.8	2664.6	1891.0
65°	284.0	295.9	331.8	400.4	522.3	745.3	1428.6	2119.5	2834.3	2808.2	1979.1
67.5°	177.3	185.0	207.8	249.2	342.7	564.7	1248.0	2042.2	2864.8	2831.1	1957.4
70°	146.9	149.1	152.3	162.1	211.1	390.6	992.3	1842.0	2768.0	2773.4	1867.1
72.5°	131.7	133.8	133.8	132.7	136.0	244.8	707.2	1562.4	2526.4	2526.4	1687.5
75°	120.8	121.9	118.6	117.5	115.3	152.3	431.9	1238.2	2181.5	2140.2	1410.1
77.5°	106.6	108.8	105.5	105.5	104.5	116.4	250.2	944.4	1634.2	1564.6	950.9
80°	91.4	91.4	91.4	91.4	92.5	92.5	156.7	648.5	984.7	907.4	513.6
82.5°	72.9	71.8	74.0	78.3	76.2	70.7	120.8	377.5	477.6	433.0	253.5
85°	28.3	34.8	40.3	49.0	51.1	49.0	92.5	186.1	203.5	217.6	156.7
87.5°	16.3	16.3	13.1	13.1	14.1	19.6	57.7	112.1	131.7	148.0	138.2
90°	17.4	17.4	13.1	12.0	12.0	16.3	50.0	102.3	133.8	149.1	140.4
92.5°	18.5	18.5	13.1	12.0	12.0	13.1	41.3	91.4	132.7	152.3	137.1
95°	16.3	17.4	12.0	10.9	12.0	12.0	30.5	72.9	122.9	125.1	128.4
97.5°	10.9	12.0	7.6	8.7	10.9	9.8	16.3	42.4	65.3	50.0	59.8
100°	6.5	7.6	5.4	6.5	7.6	7.6	8.7	18.5	16.3	10.9	10.9
102.5°	6.5	6.5	4.4	5.4	5.4	4.4	4.4	7.6	6.5	6.5	10.9
105°	6.5	6.5	4.4	4.4	3.3	3.3	3.3	5.4	5.4	6.5	10.9
107.5°	4.4	5.4	3.3	3.3	3.3	3.3	2.2	3.3	5.4	5.4	12.0
110°	3.3	3.3	2.2	2.2	2.2	3.3	2.2	3.3	4.4	5.4	8.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2.2	3.3	2.2	2.2	2.2	2.2	2.2	3.3	4.4	4.4	5.4
115°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	4.4	6.5
117.5°	3.3	3.3	2.2	2.2	1.1	2.2	2.2	2.2	3.3	4.4	6.5
120°	3.3	3.3	2.2	2.2	1.1	1.1	2.2	2.2	4.4	4.4	6.5
122.5°	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	3.3	4.4	6.5
125°	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	3.3	4.4	5.4
127.5°	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	3.3	3.3	5.4
130°	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	3.3	3.3	5.4
132.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	4.4
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2
145°	4.4	4.4	4.4	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	4.4	4.4	4.4	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2
150°	4.4	5.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
7.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
10°	3.3	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	1.1
12.5°	16.3	16.3	12.0	5.4	2.2	1.1	1.1	1.1	3.3	3.3	3.3
15°	79.4	71.8	64.2	56.6	15.2	2.2	2.2	9.8	37.0	52.2	54.4
17.5°	92.5	83.8	75.1	68.5	60.9	22.8	25.0	65.3	67.5	68.5	67.5
20°	178.4	158.9	103.4	78.3	67.5	70.7	62.0	69.6	75.1	77.3	77.3
22.5°	212.2	182.8	156.7	137.1	80.5	96.8	90.3	80.5	125.1	128.4	129.5
25°	245.9	207.8	168.6	145.8	140.4	100.1	106.6	122.9	132.7	134.9	133.8
27.5°	359.1	295.9	236.1	157.8	149.1	125.1	133.8	129.5	141.4	173.0	176.3
30°	386.3	307.9	240.5	191.5	156.7	146.9	138.2	168.6	182.8	182.8	183.9
32.5°	535.3	411.3	295.9	191.5	173.0	148.0	165.4	176.3	185.0	198.0	193.7
35°	560.3	415.6	292.7	222.0	173.0	155.6	170.8	181.7	222.0	226.3	225.2
37.5°	581.0	411.3	276.4	215.4	187.1	165.4	174.1	207.8	224.1	223.0	220.9
40°	603.9	404.7	260.0	211.1	186.1	166.5	186.1	208.9	218.7	213.3	207.8
42.5°	630.0	395.0	245.9	201.3	181.7	167.6	187.1	203.5	202.4	199.1	195.8
45°	663.7	384.1	229.6	192.6	179.5	165.4	183.9	189.3	196.9	194.8	192.6
47.5°	713.7	373.2	215.4	185.0	177.3	162.1	186.1	192.6	199.1	193.7	192.6
50°	787.7	358.0	203.5	182.8	176.3	171.9	170.8	198.0	203.5	190.4	188.2
52.5°	837.8	340.6	196.9	180.6	173.0	167.6	181.7	195.8	201.3	186.1	185.0
55°	871.5	315.5	191.5	180.6	170.8	157.8	196.9	200.2	200.2	182.8	180.6
57.5°	908.5	298.1	188.2	183.9	169.7	146.9	205.6	204.5	200.2	177.3	178.4
60°	961.8	287.2	185.0	187.1	169.7	150.1	202.4	214.3	200.2	180.6	187.1
62.5°	992.3	276.4	182.8	188.2	167.6	150.1	195.8	228.5	216.5	202.4	203.5
65°	949.9	262.2	176.3	187.1	164.3	153.4	189.3	233.9	231.8	225.2	226.3
67.5°	853.0	238.3	164.3	179.5	153.4	155.6	186.1	233.9	229.6	243.7	247.0
70°	745.3	210.0	146.9	166.5	145.8	153.4	193.7	226.3	226.3	252.4	257.9
72.5°	631.1	171.9	127.3	152.3	145.8	149.1	202.4	217.6	217.6	252.4	251.3
75°	517.9	137.1	106.6	130.6	134.9	149.1	201.3	207.8	202.4	230.7	225.2
77.5°	378.6	108.8	91.4	109.9	121.9	149.1	194.8	193.7	185.0	198.0	195.8
80°	232.8	86.0	77.3	93.6	102.3	142.5	183.9	176.3	161.0	167.6	165.4
82.5°	134.9	64.2	65.3	79.4	81.6	130.6	166.5	153.4	137.1	140.4	137.1
85°	87.0	41.3	51.1	60.9	64.2	106.6	142.5	129.5	111.0	143.6	137.1
87.5°	67.5	23.9	34.8	40.3	39.2	46.8	81.6	77.3	76.2	62.0	59.8
90°	63.1	20.7	34.8	34.8	28.3	22.8	31.6	32.6	27.2	29.4	26.1
92.5°	56.6	20.7	37.0	34.8	25.0	18.5	26.1	26.1	20.7	19.6	18.5
95°	46.8	18.5	39.2	35.9	22.8	16.3	21.8	20.7	16.3	15.2	14.1
97.5°	25.0	12.0	37.0	32.6	20.7	15.2	19.6	17.4	12.0	10.9	9.8
100°	8.7	7.6	35.9	28.3	17.4	12.0	14.1	13.1	7.6	6.5	5.4
102.5°	7.6	6.5	20.7	20.7	10.9	6.5	8.7	8.7	6.5	5.4	5.4
105°	8.7	6.5	7.6	10.9	5.4	3.3	4.4	5.4	5.4	6.5	6.5
107.5°	8.7	6.5	5.4	5.4	4.4	3.3	3.3	3.3	5.4	6.5	6.5
110°	7.6	6.5	4.4	5.4	4.4	3.3	3.3	3.3	5.4	7.6	7.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.4	5.4	4.4	4.4	3.3	3.3	3.3	3.3	5.4	7.6	8.7
115°	5.4	5.4	3.3	3.3	3.3	3.3	2.2	3.3	5.4	8.7	9.8
117.5°	6.5	5.4	3.3	3.3	2.2	2.2	2.2	3.3	6.5	9.8	10.9
120°	6.5	5.4	3.3	3.3	2.2	2.2	2.2	3.3	6.5	10.9	10.9
122.5°	6.5	5.4	3.3	3.3	2.2	2.2	2.2	3.3	6.5	10.9	10.9
125°	5.4	5.4	3.3	3.3	2.2	2.2	2.2	3.3	6.5	10.9	10.9
127.5°	5.4	4.4	3.3	2.2	2.2	2.2	2.2	3.3	6.5	9.8	10.9
130°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	3.3	6.5	9.8	9.8
132.5°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	3.3	5.4	8.7	8.7
135°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3	4.4	6.5	6.5
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	4.4	4.4
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
142.5°	2.2	2.2	2.2	2.2	2.2	1.1	2.2	2.2	3.3	3.3	3.3
145°	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	2.2
147.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	2.2	3.3	3.3	2.2
150°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	2.2	3.3	3.3	2.2
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)