

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: P695224

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3323 lumens
Efficiency: N/A
Efficacy: 82.7 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: B1 - U3 - G2

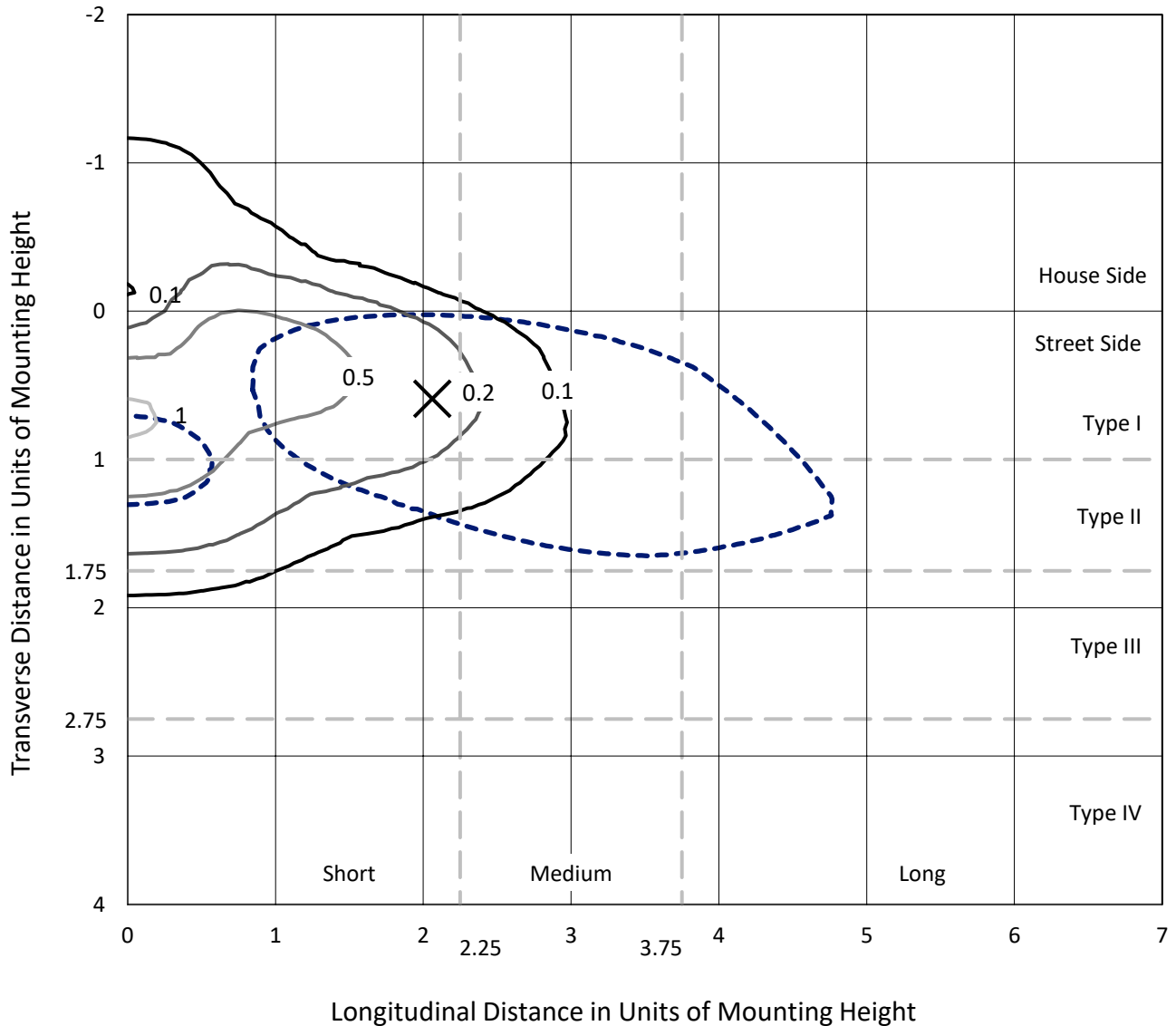
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

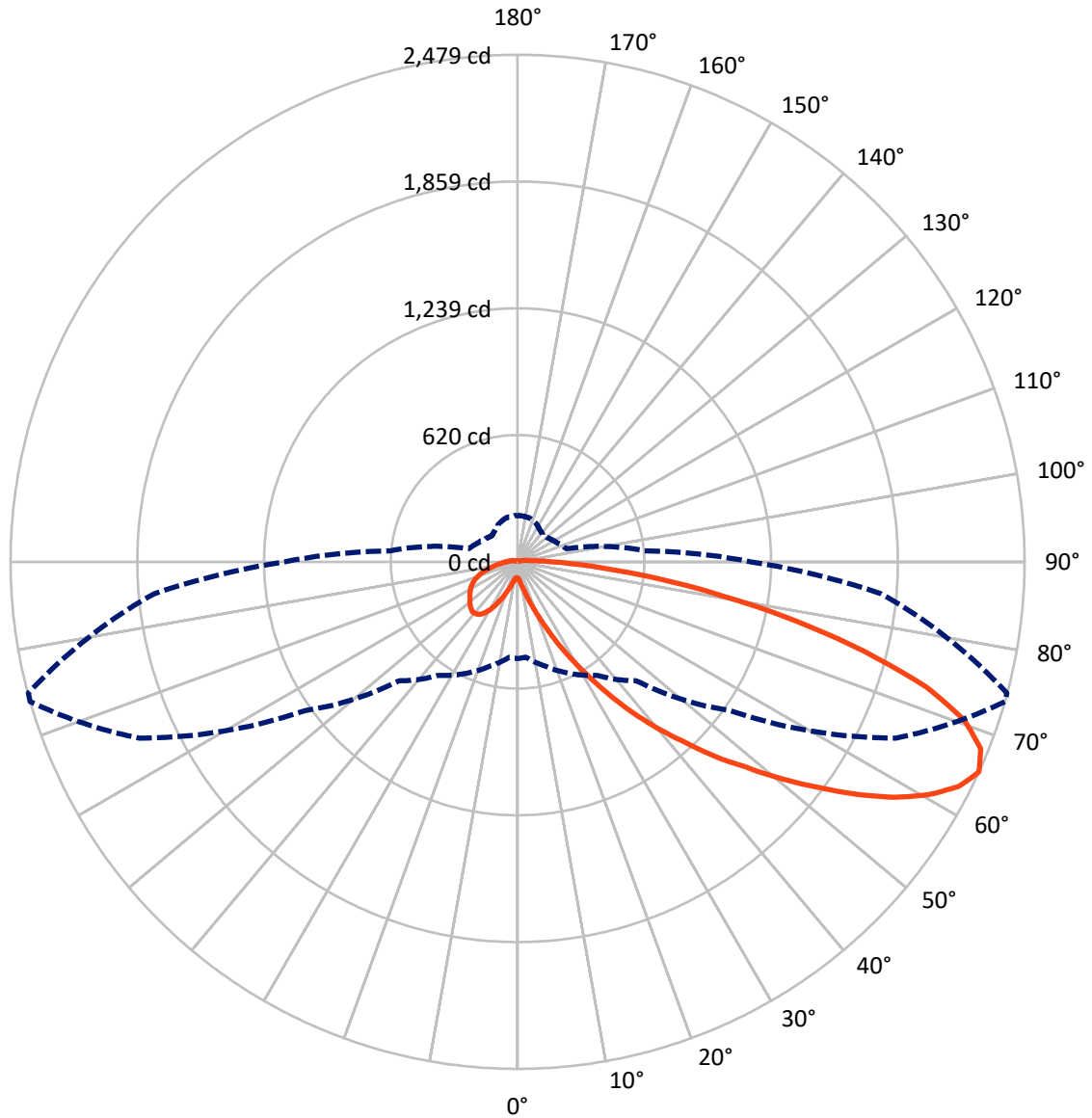
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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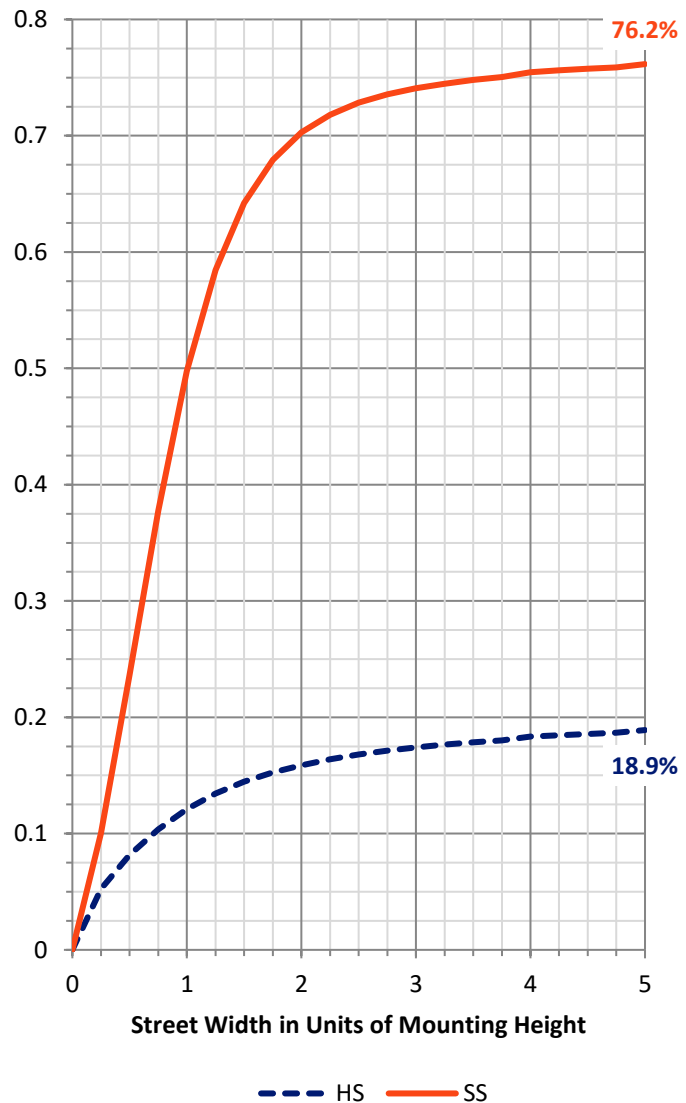
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.3	53.8	713.1
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	2561.8	48.2	2609.9
	% Fixture	77.1	1.4	78.5
Total	Lumens	3221.1	101.9	3323.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.3
10°-20°	47.9	1.4
20°-30°	159.3	4.8
30°-40°	365.0	11.0
40°-50°	584.2	17.6
50°-60°	725.1	21.8
60°-70°	703.7	21.2
70°-80°	459.0	13.8
80°-90°	167.8	5.1
90°-100°	50.1	1.5
100°-110°	23.2	0.7
110°-120°	12.8	0.4
120°-130°	8.0	0.2
130°-140°	5.1	0.2
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3221.1	96.9
0°-180°	3323.0	100.0

Coefficient of Utilization

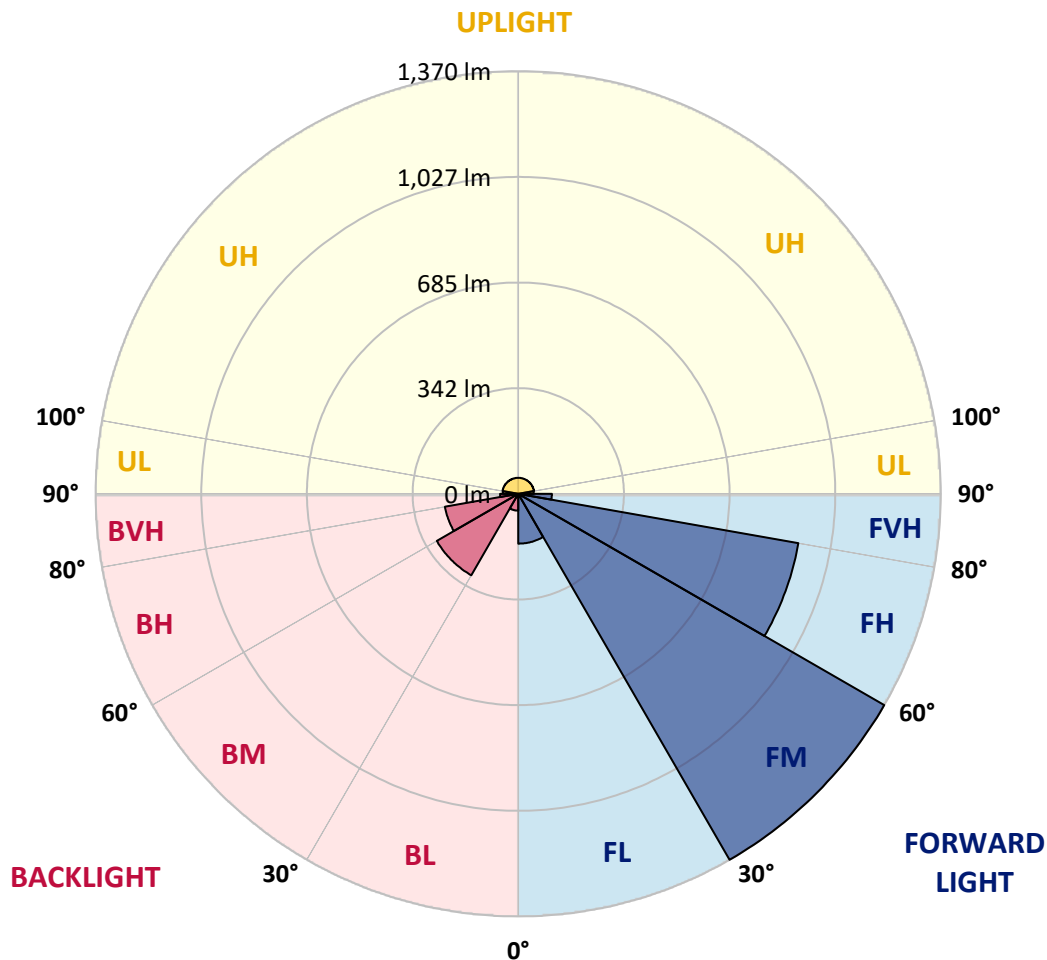


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.5	4.9			
FM (30°-60°)	1369.6	41.2			
FH (60°-80°)	921.7	27.7			G1/1800
FVH (80°-90°)	109.0	3.3			G2/225
BL (0°-30°)	54.6	1.6	B0/110		
BM (30°-60°)	304.8	9.2	B1/1000		
BH (60°-80°)	241.1	7.3	B1/500		G1/500
BVH (80°-90°)	58.9	1.8			G1/100
UL (90°-100°)	50.1	1.5		U3/500	
UH (100°-180°)	51.8	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	89.9	91.2	91.2	89.9	88.7	88.7	86.2	83.8	82.5	82.5	81.3
5°	109.6	110.9	110.9	108.4	104.7	103.5	98.6	94.9	91.2	91.2	86.2
7.5°	138.0	139.2	136.7	134.3	129.4	124.4	118.3	110.9	103.5	102.2	96.1
10°	171.2	174.9	172.5	166.3	158.9	152.8	142.9	130.6	123.2	120.7	109.6
12.5°	223.0	220.5	214.4	208.2	199.6	187.2	173.7	158.9	144.1	145.4	130.6
15°	275.9	280.9	272.3	261.2	243.9	230.4	211.9	195.9	179.9	177.4	157.7
17.5°	353.6	352.3	342.5	320.3	294.4	280.9	261.2	241.5	223.0	216.8	190.9
20°	444.7	443.5	423.8	395.4	370.8	343.7	316.6	295.7	273.5	268.6	235.3
22.5°	553.1	548.2	527.3	486.6	444.7	411.5	383.1	367.1	337.5	332.6	287.0
25°	678.8	667.7	644.3	590.1	526.0	487.8	462.0	443.5	415.2	409.0	349.9
27.5°	818.0	810.6	767.5	696.0	619.6	560.5	542.0	529.7	506.3	498.9	420.1
30°	948.6	951.0	904.2	814.3	717.0	645.5	632.0	633.2	602.4	596.2	502.6
32.5°	1103.8	1093.9	1033.6	930.1	808.1	734.2	721.9	739.1	713.3	708.3	592.5
35°	1227.0	1234.4	1170.3	1042.2	900.5	815.5	820.4	848.8	834.0	826.6	672.6
37.5°	1345.2	1339.1	1263.9	1137.0	980.6	891.9	910.4	973.2	958.4	949.8	767.5
40°	1424.1	1416.7	1351.4	1214.7	1053.3	962.1	997.8	1091.5	1085.3	1081.6	848.8
42.5°	1461.0	1451.2	1398.2	1268.9	1106.3	1017.6	1087.8	1212.2	1211.0	1207.3	942.4
45°	1452.4	1446.3	1405.6	1300.9	1140.7	1069.3	1167.8	1337.9	1360.0	1342.8	1028.6
47.5°	1414.2	1408.1	1379.7	1300.9	1159.2	1101.3	1239.3	1469.7	1498.0	1482.0	1124.7
50°	1337.9	1335.4	1328.0	1270.1	1156.8	1127.2	1308.3	1589.2	1665.5	1649.5	1234.4
52.5°	1230.7	1229.4	1241.8	1214.7	1133.4	1130.9	1362.5	1727.1	1829.4	1812.1	1341.5
55°	1105.0	1105.0	1126.0	1128.4	1087.8	1117.3	1404.4	1838.0	2005.5	1980.9	1458.6
57.5°	944.9	949.8	996.6	1027.4	1012.6	1077.9	1419.2	1943.9	2171.9	2155.8	1579.3
60°	786.0	788.4	842.6	894.4	920.2	1022.5	1405.6	2016.6	2311.1	2304.9	1676.6
62.5°	619.6	622.1	678.8	753.9	804.4	931.3	1355.1	2049.9	2419.5	2415.8	1748.1
65°	473.1	468.1	528.5	602.4	677.5	822.9	1267.6	2040.0	2478.6	2476.1	1782.6
67.5°	340.0	349.9	395.4	466.9	543.3	707.1	1146.9	1943.9	2441.6	2444.1	1745.6
70°	246.4	262.4	294.4	348.6	427.5	581.5	1001.5	1783.8	2316.0	2330.8	1640.9
72.5°	189.7	190.9	216.8	259.9	322.8	460.7	829.1	1565.8	2088.1	2093.0	1459.8
75°	147.8	151.5	168.8	199.6	247.6	357.3	672.6	1296.0	1750.5	1778.9	1238.1
77.5°	120.7	122.0	135.5	154.0	189.7	269.8	502.6	1022.5	1392.1	1394.5	965.8
80°	94.9	99.8	110.9	123.2	147.8	202.0	369.6	749.0	1023.7	1007.7	683.7
82.5°	72.7	76.4	85.0	98.6	112.1	151.5	264.9	528.5	703.4	691.1	468.1
85°	54.2	56.7	65.3	76.4	88.7	115.8	184.8	341.2	436.1	422.5	284.6
87.5°	38.2	39.4	46.8	56.7	67.8	87.5	128.1	209.4	262.4	257.5	176.2
90°	25.9	27.1	33.3	41.9	53.0	67.8	92.4	130.6	152.8	152.8	112.1
92.5°	18.5	19.7	24.6	32.0	41.9	54.2	67.8	85.0	93.6	92.4	76.4
95°	14.8	14.8	19.7	25.9	34.5	44.3	51.7	57.9	62.8	62.8	57.9
97.5°	12.3	12.3	17.2	22.2	29.6	37.0	41.9	43.1	45.6	45.6	43.1
100°	11.1	11.1	14.8	19.7	24.6	30.8	34.5	33.3	34.5	35.7	33.3
102.5°	9.9	9.9	13.6	17.2	22.2	27.1	28.3	27.1	27.1	27.1	25.9
105°	8.6	8.6	12.3	16.0	19.7	23.4	24.6	22.2	20.9	20.9	20.9
107.5°	7.4	7.4	11.1	13.6	17.2	20.9	20.9	19.7	17.2	17.2	16.0
110°	7.4	7.4	9.9	12.3	16.0	18.5	18.5	16.0	13.6	13.6	13.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	6.2	6.2	8.6	12.3	14.8	16.0	16.0	13.6	12.3	11.1	11.1
115°	6.2	6.2	8.6	11.1	13.6	14.8	14.8	12.3	9.9	9.9	9.9
117.5°	6.2	6.2	7.4	9.9	12.3	13.6	12.3	11.1	8.6	8.6	8.6
120°	6.2	6.2	7.4	8.6	11.1	12.3	12.3	9.9	7.4	7.4	8.6
122.5°	6.2	6.2	7.4	8.6	9.9	11.1	11.1	8.6	7.4	7.4	7.4
125°	6.2	6.2	7.4	8.6	9.9	11.1	9.9	8.6	6.2	6.2	7.4
127.5°	6.2	6.2	7.4	7.4	8.6	9.9	8.6	7.4	6.2	6.2	7.4
130°	6.2	6.2	7.4	7.4	8.6	8.6	8.6	6.2	6.2	6.2	6.2
132.5°	7.4	7.4	7.4	7.4	7.4	8.6	7.4	6.2	4.9	4.9	6.2
135°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.2	4.9	4.9	6.2
137.5°	6.2	7.4	6.2	6.2	6.2	7.4	6.2	4.9	4.9	4.9	4.9
140°	6.2	6.2	6.2	6.2	6.2	6.2	4.9	3.7	4.9	4.9	4.9
142.5°	6.2	6.2	6.2	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9
145°	4.9	4.9	4.9	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7
147.5°	4.9	4.9	4.9	3.7	3.7	3.7	2.5	2.5	2.5	2.5	3.7
150°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	80.1	78.8	77.6	76.4	73.9	72.7	72.7	71.5	71.5	71.5	71.5
5°	83.8	82.5	78.8	75.1	71.5	69.0	66.5	66.5	65.3	64.1	64.1
7.5°	92.4	88.7	82.5	76.4	72.7	67.8	65.3	62.8	61.6	61.6	61.6
10°	104.7	99.8	89.9	81.3	75.1	69.0	65.3	62.8	61.6	60.4	60.4
12.5°	122.0	115.8	101.0	89.9	78.8	72.7	67.8	65.3	64.1	64.1	64.1
15°	146.6	136.7	118.3	99.8	87.5	76.4	73.9	73.9	75.1	75.1	75.1
17.5°	178.6	163.8	135.5	112.1	96.1	86.2	82.5	83.8	86.2	86.2	86.2
20°	213.1	195.9	157.7	128.1	107.2	98.6	93.6	96.1	99.8	102.2	102.2
22.5°	261.2	236.5	184.8	145.4	120.7	109.6	107.2	109.6	115.8	118.3	118.3
25°	316.6	279.6	213.1	163.8	135.5	123.2	120.7	124.4	131.8	138.0	138.0
27.5°	374.5	327.7	243.9	182.3	149.1	134.3	133.0	139.2	149.1	155.2	156.5
30°	441.0	377.0	272.3	200.8	162.6	145.4	145.4	155.2	166.3	174.9	176.2
32.5°	506.3	428.7	296.9	216.8	174.9	155.2	156.5	168.8	183.6	190.9	193.4
35°	572.8	473.1	319.1	230.4	183.6	163.8	166.3	182.3	197.1	205.7	205.7
37.5°	636.9	513.7	330.2	237.8	190.9	170.0	174.9	193.4	208.2	215.6	216.8
40°	698.5	544.5	337.5	242.7	195.9	176.2	181.1	200.8	216.8	224.2	224.2
42.5°	752.7	570.4	338.8	243.9	199.6	179.9	187.2	207.0	221.7	226.7	227.9
45°	808.1	592.5	332.6	241.5	202.0	183.6	189.7	210.7	224.2	227.9	229.1
47.5°	858.6	611.0	325.2	239.0	203.3	184.8	192.2	213.1	225.4	226.7	227.9
50°	917.8	625.8	314.1	235.3	204.5	186.0	193.4	213.1	225.4	225.4	225.4
52.5°	974.4	638.1	303.0	231.6	204.5	186.0	193.4	214.4	225.4	224.2	224.2
55°	1036.0	649.2	292.0	229.1	203.3	186.0	193.4	214.4	224.2	223.0	224.2
57.5°	1084.1	654.1	283.3	226.7	203.3	184.8	192.2	213.1	223.0	223.0	223.0
60°	1126.0	652.9	272.3	224.2	202.0	183.6	192.2	211.9	223.0	223.0	223.0
62.5°	1150.6	641.8	261.2	221.7	199.6	181.1	190.9	211.9	223.0	224.2	224.2
65°	1140.7	622.1	246.4	215.6	194.6	178.6	189.7	209.4	221.7	225.4	226.7
67.5°	1098.9	577.8	230.4	207.0	189.7	176.2	188.5	207.0	219.3	225.4	225.4
70°	1011.4	522.3	209.4	194.6	181.1	172.5	184.8	203.3	214.4	221.7	221.7
72.5°	889.4	450.9	189.7	178.6	171.2	166.3	181.1	197.1	207.0	213.1	213.1
75°	739.1	374.5	166.3	160.1	158.9	157.7	173.7	188.5	194.6	199.6	199.6
77.5°	577.8	301.8	141.7	141.7	141.7	146.6	163.8	173.7	178.6	183.6	183.6
80°	422.5	230.4	119.5	120.7	124.4	134.3	149.1	156.5	158.9	163.8	161.4
82.5°	288.3	167.5	99.8	99.8	107.2	118.3	133.0	136.7	138.0	141.7	138.0
85°	189.7	120.7	82.5	82.5	89.9	101.0	112.1	114.6	114.6	117.0	113.3
87.5°	123.2	88.7	67.8	67.8	72.7	83.8	92.4	92.4	92.4	94.9	91.2
90°	87.5	67.8	56.7	55.4	59.1	67.8	73.9	72.7	72.7	73.9	71.5
92.5°	64.1	55.4	48.0	46.8	49.3	55.4	59.1	57.9	59.1	57.9	56.7
95°	50.5	45.6	41.9	40.7	41.9	45.6	48.0	46.8	46.8	45.6	44.3
97.5°	40.7	38.2	37.0	35.7	35.7	37.0	39.4	38.2	39.4	37.0	35.7
100°	33.3	32.0	32.0	32.0	30.8	32.0	33.3	33.3	33.3	30.8	30.8
102.5°	25.9	27.1	28.3	28.3	27.1	28.3	28.3	28.3	28.3	25.9	25.9
105°	20.9	22.2	24.6	24.6	24.6	24.6	24.6	24.6	24.6	22.2	22.2
107.5°	17.2	18.5	20.9	22.2	20.9	20.9	22.2	22.2	20.9	19.7	19.7
110°	14.8	16.0	17.2	18.5	18.5	18.5	19.7	19.7	18.5	17.2	16.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.3	13.6	16.0	16.0	17.2	17.2	17.2	17.2	16.0	14.8	14.8
115°	11.1	12.3	13.6	14.8	14.8	14.8	16.0	14.8	13.6	13.6	13.6
117.5°	9.9	11.1	12.3	13.6	13.6	13.6	13.6	13.6	12.3	12.3	12.3
120°	8.6	9.9	11.1	12.3	12.3	12.3	12.3	12.3	11.1	11.1	11.1
122.5°	8.6	8.6	9.9	11.1	11.1	11.1	11.1	11.1	9.9	9.9	9.9
125°	7.4	8.6	9.9	9.9	9.9	9.9	9.9	9.9	8.6	8.6	9.9
127.5°	7.4	7.4	8.6	8.6	9.9	9.9	8.6	8.6	8.6	8.6	8.6
130°	7.4	7.4	7.4	8.6	8.6	8.6	8.6	7.4	7.4	7.4	7.4
132.5°	6.2	7.4	7.4	7.4	7.4	7.4	7.4	6.2	6.2	7.4	7.4
135°	6.2	6.2	6.2	7.4	7.4	6.2	6.2	6.2	6.2	6.2	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	4.9	4.9	4.9	6.2	6.2
140°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9	4.9	4.9
145°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	2.5	2.5
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)