

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: P695068

Luminaire Tested: **LXF.LXT-PA16-40-730-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3855 lumens
Efficiency: N/A
Efficacy: 95.9 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

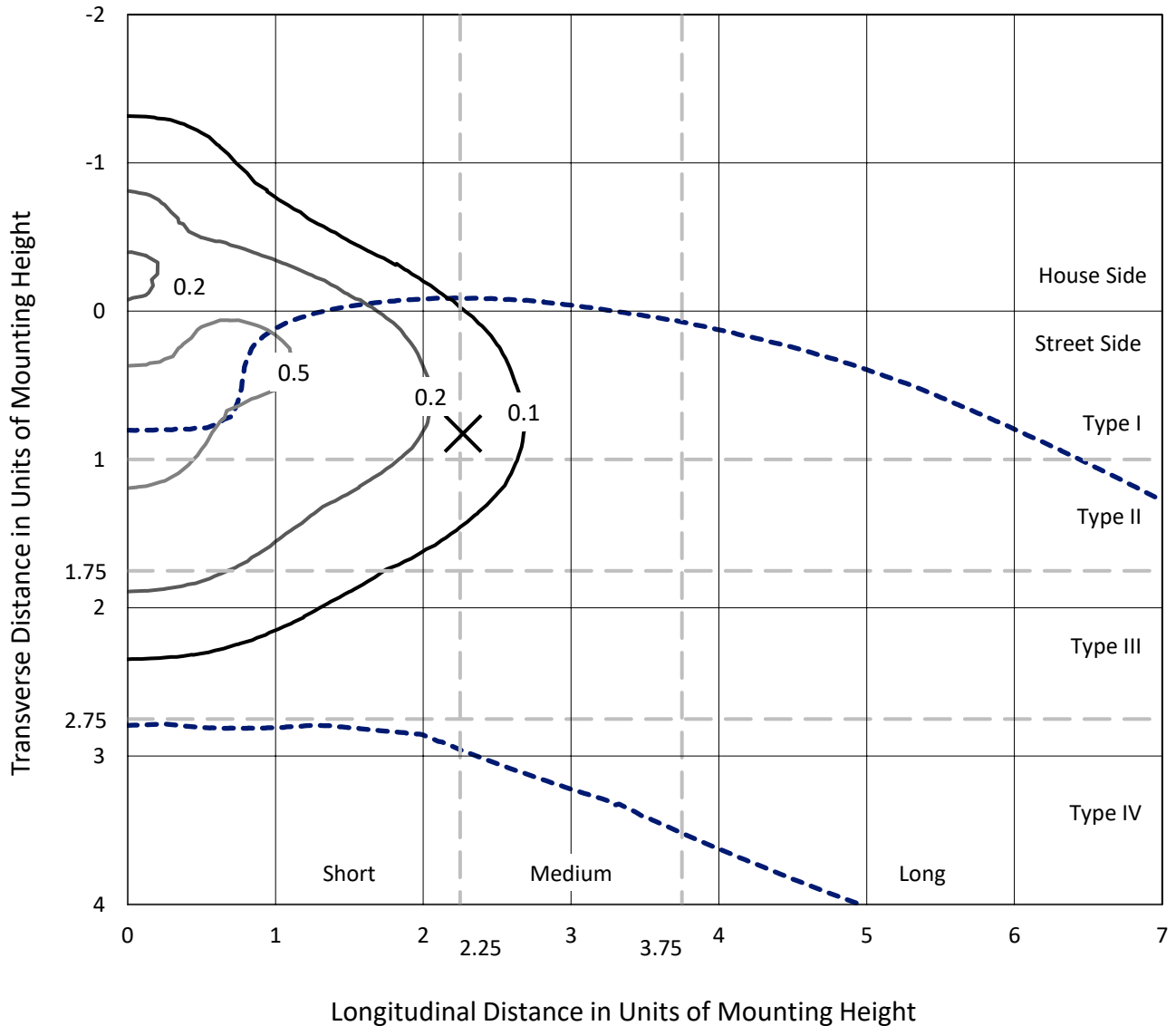
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

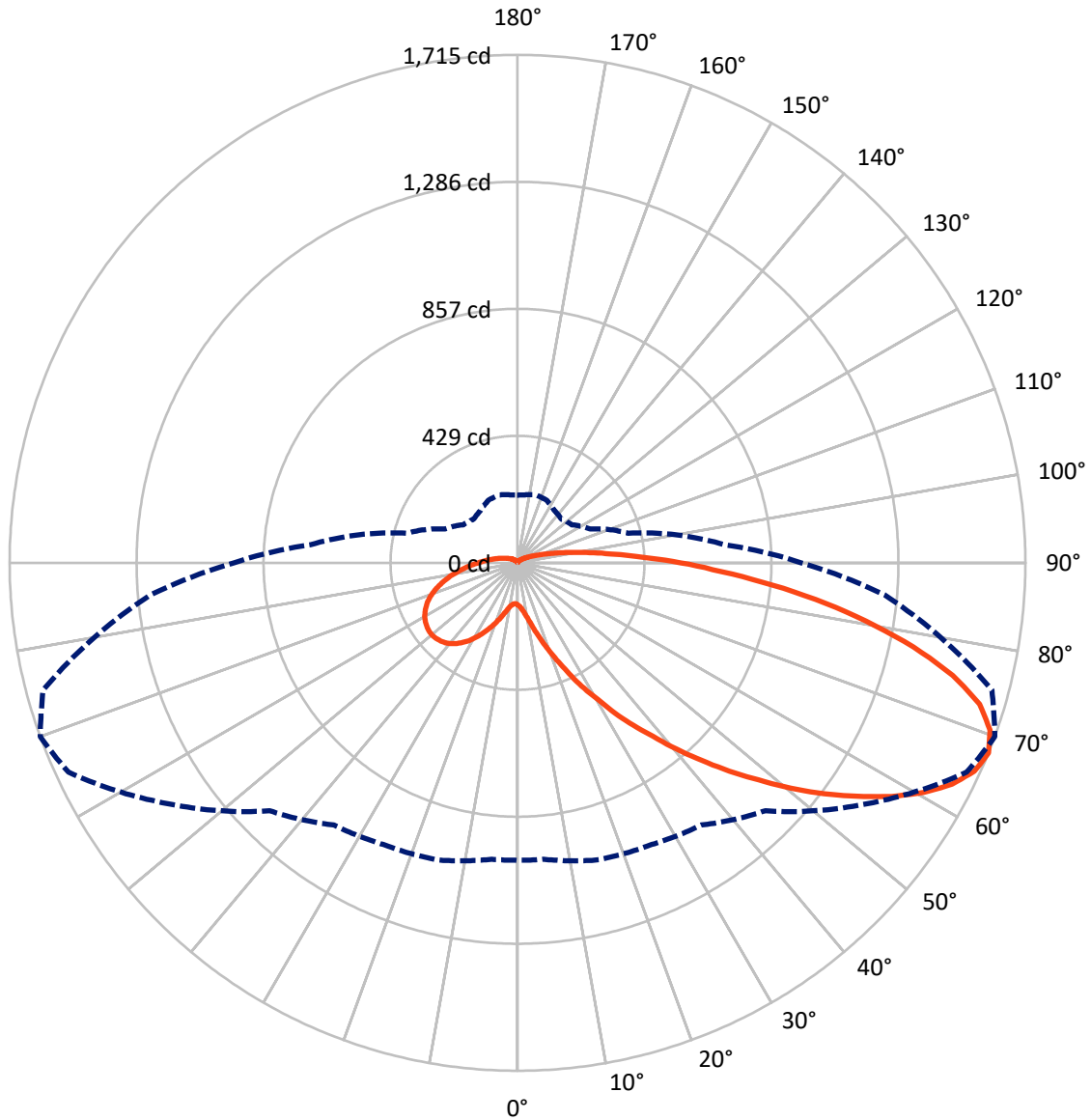
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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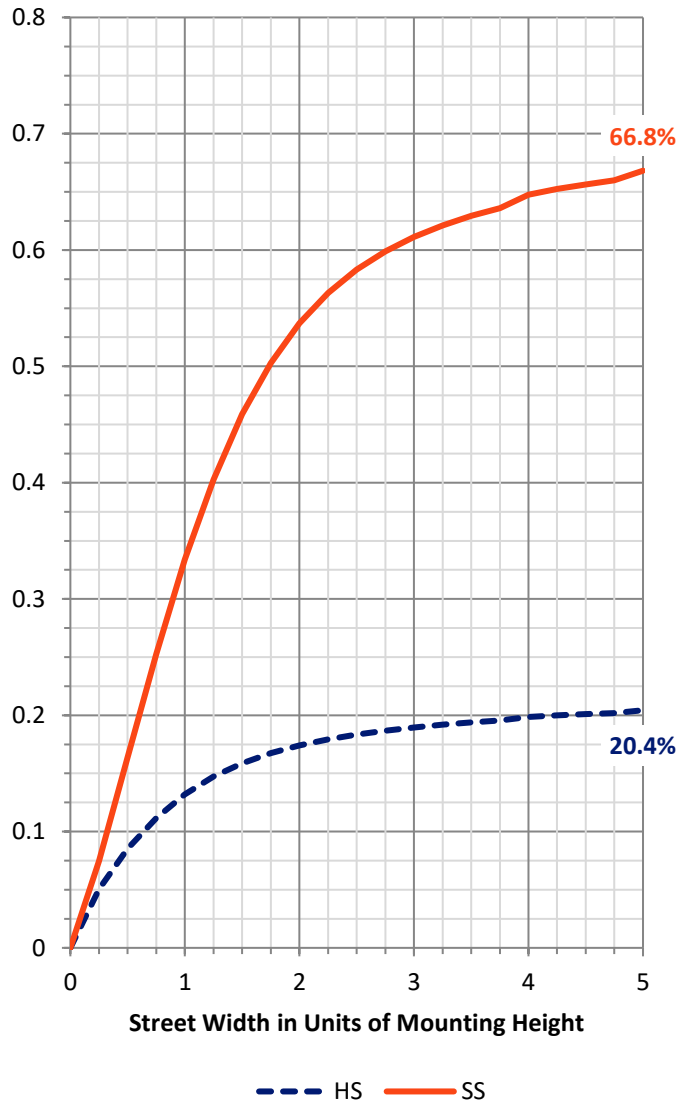
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.0	113.2	944.2
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	2699.0	211.8	2910.8
	% Fixture	70.0	5.5	75.5
Total	Lumens	3530.0	325.0	3855.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.4
10°-20°	61.0	1.6
20°-30°	153.8	4.0
30°-40°	301.2	7.8
40°-50°	490.5	12.7
50°-60°	687.1	17.8
60°-70°	788.2	20.4
70°-80°	656.0	17.0
80°-90°	377.3	9.8
90°-100°	173.1	4.5
100°-110°	79.2	2.1
110°-120°	39.0	1.0
120°-130°	20.1	0.5
130°-140°	9.8	0.3
140°-150°	3.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3530.0	91.6
0°-180°	3855.0	100.0

Coefficient of Utilization

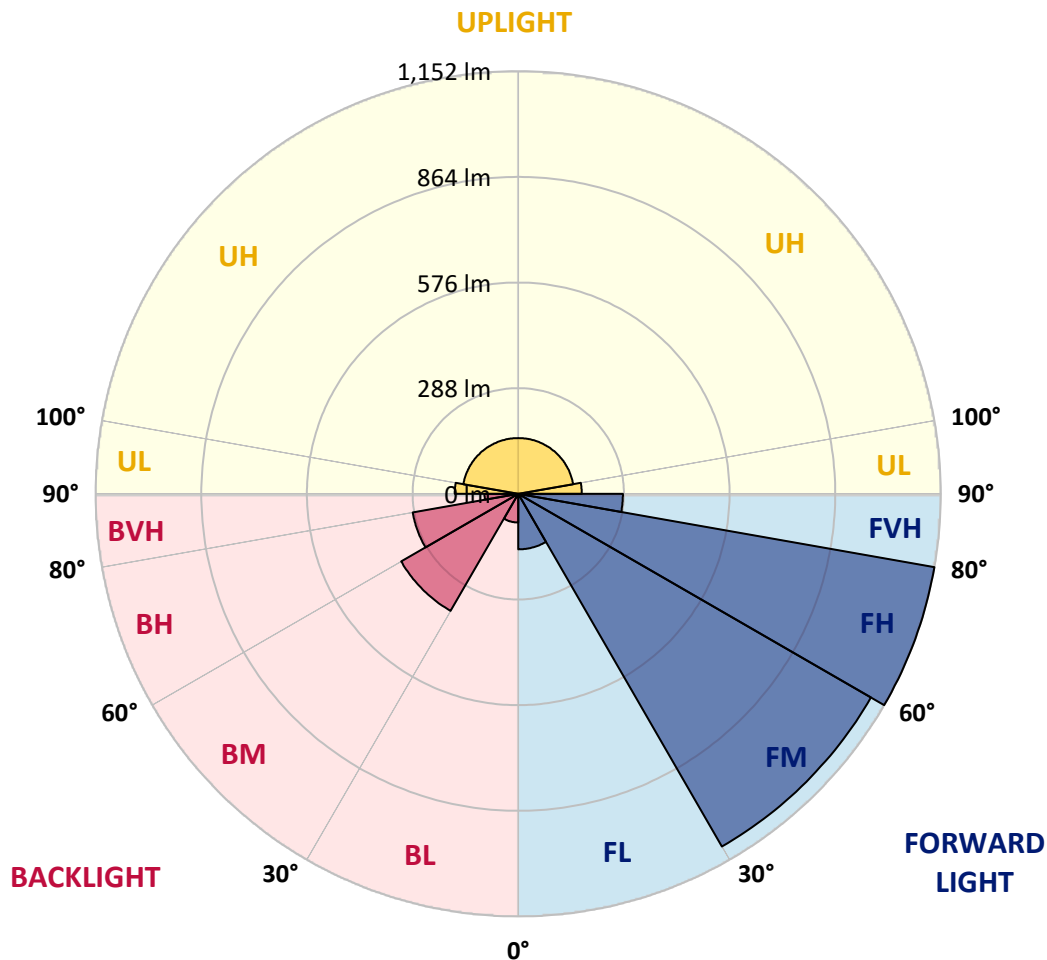


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.4	3.9			
FM (30°-60°)	1110.3	28.8			
FH (60°-80°)	1152.1	29.9			G1/1800
FVH (80°-90°)	285.3	7.4			G3/500
BL (0°-30°)	78.2	2.0	B0/110		
BM (30°-60°)	368.6	9.6	B1/1000		
BH (60°-80°)	292.2	7.6	B1/500		G1/500
BVH (80°-90°)	92.0	2.4			G1/100
UL (90°-100°)	173.1	4.5		U3/500	
UH (100°-180°)	151.9	3.9		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°	70°	75°	85°
0°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	155.2	155.2	155.2	153.7	153.7	150.7	150.7	147.7	147.7	146.2	143.3
5°	174.6	174.6	173.1	173.1	170.1	167.1	164.2	159.7	156.7	155.2	150.7
7.5°	197.0	197.0	195.5	192.5	191.0	186.5	180.6	174.6	171.6	168.6	161.2
10°	223.8	223.8	220.9	219.4	216.4	210.4	204.4	195.5	191.0	186.5	176.1
12.5°	255.2	252.2	252.2	247.7	243.2	238.8	231.3	220.9	216.4	210.4	197.0
15°	288.0	288.0	288.0	283.5	277.6	270.1	264.1	253.7	250.7	241.7	226.8
17.5°	326.8	329.8	325.3	319.3	316.4	308.9	301.4	294.0	286.5	277.6	258.2
20°	374.6	373.1	368.6	362.6	358.1	350.7	346.2	332.8	326.8	317.9	289.5
22.5°	420.8	422.3	417.8	408.9	402.9	398.4	391.0	380.5	371.6	361.1	329.8
25°	482.0	480.5	470.1	456.6	450.7	444.7	440.2	429.8	423.8	414.9	374.6
27.5°	543.2	537.2	529.8	517.8	502.9	492.5	489.5	485.0	480.5	465.6	420.8
30°	607.4	601.4	592.4	573.0	552.1	540.2	540.2	546.2	535.7	523.8	473.1
32.5°	676.0	668.5	656.6	632.7	604.4	590.9	596.9	607.4	605.9	588.0	525.3
35°	744.6	743.2	725.2	695.4	659.6	643.2	652.1	673.0	673.0	659.6	582.0
37.5°	811.8	813.3	796.9	759.6	713.3	695.4	708.8	743.2	743.2	732.7	637.2
40°	896.9	893.9	864.0	820.8	770.0	747.6	774.5	819.3	826.7	807.3	698.4
42.5°	970.0	964.0	940.1	886.4	825.2	798.4	835.7	896.9	911.8	889.4	761.1
45°	1044.6	1037.1	1008.8	949.1	880.4	849.1	901.3	983.4	1002.8	981.9	826.7
47.5°	1114.7	1107.3	1081.9	1010.3	938.6	910.3	968.5	1071.5	1095.3	1077.4	890.9
50°	1178.9	1177.4	1146.1	1071.5	989.4	962.5	1038.6	1164.0	1195.3	1168.5	956.6
52.5°	1234.1	1228.1	1198.3	1126.7	1040.1	1019.2	1110.3	1261.0	1295.3	1268.4	1022.2
55°	1268.4	1265.5	1238.6	1168.5	1086.4	1071.5	1181.9	1349.0	1390.8	1366.9	1083.4
57.5°	1284.9	1280.4	1258.0	1195.3	1120.7	1119.2	1247.5	1440.1	1487.8	1456.5	1146.1
60°	1268.4	1265.5	1250.5	1202.8	1143.1	1156.5	1316.2	1523.6	1574.4	1540.0	1195.3
62.5°	1213.2	1213.2	1211.7	1183.4	1147.6	1187.9	1369.9	1595.2	1646.0	1604.2	1231.1
65°	1126.7	1131.1	1140.1	1134.1	1128.2	1198.3	1405.7	1649.0	1695.2	1646.0	1250.5
67.5°	1004.3	1004.3	1038.6	1052.1	1080.4	1183.4	1422.1	1672.8	1714.6	1657.9	1243.1
70°	868.5	868.5	907.3	946.1	1008.8	1144.6	1404.2	1659.4	1692.2	1629.6	1210.2
72.5°	726.7	728.2	774.5	828.2	914.8	1077.4	1356.5	1601.2	1631.1	1556.5	1144.6
75°	588.0	599.9	638.7	708.8	808.8	987.9	1266.9	1499.7	1517.7	1446.0	1052.1
77.5°	465.6	480.5	526.8	595.4	699.9	874.5	1146.1	1363.9	1366.9	1298.3	940.1
80°	368.6	379.0	426.8	491.0	592.4	759.6	1002.8	1195.3	1192.3	1125.2	805.8
82.5°	291.0	298.5	335.8	398.4	495.4	650.6	861.0	1002.8	1013.3	947.6	676.0
85°	223.8	232.8	267.1	322.3	408.9	541.7	711.8	822.2	826.7	768.5	556.6
87.5°	171.6	180.6	211.9	264.1	337.3	444.7	580.5	667.1	659.6	613.3	440.2
90°	132.8	137.3	168.6	211.9	276.1	367.1	467.1	523.8	523.8	479.0	352.2
92.5°	106.0	107.4	135.8	174.6	228.3	298.5	376.1	411.9	401.4	376.1	277.6
95°	83.6	86.6	108.9	143.3	188.0	244.7	297.0	322.3	313.4	289.5	217.9
97.5°	67.2	70.1	89.5	119.4	156.7	200.0	238.8	250.7	246.2	229.8	173.1
100°	55.2	56.7	73.1	101.5	131.3	165.6	191.0	198.5	189.5	179.1	135.8
102.5°	46.3	47.8	62.7	85.1	111.9	135.8	155.2	158.2	150.7	138.8	108.9
105°	38.8	40.3	52.2	73.1	94.0	114.9	126.8	125.4	117.9	108.9	88.0
107.5°	34.3	34.3	44.8	62.7	82.1	95.5	104.5	101.5	94.0	85.1	71.6
110°	29.8	29.8	37.3	53.7	70.1	82.1	86.6	82.1	74.6	68.6	58.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	26.9	26.9	32.8	46.3	59.7	70.1	71.6	65.7	61.2	56.7	47.8
115°	23.9	25.4	28.4	38.8	50.7	59.7	59.7	55.2	50.7	46.3	41.8
117.5°	22.4	22.4	25.4	34.3	44.8	50.7	50.7	46.3	41.8	38.8	35.8
120°	20.9	20.9	23.9	29.8	38.8	43.3	43.3	38.8	35.8	32.8	31.3
122.5°	19.4	19.4	20.9	25.4	32.8	37.3	37.3	32.8	29.8	28.4	26.9
125°	17.9	17.9	19.4	22.4	28.4	31.3	31.3	26.9	25.4	23.9	23.9
127.5°	16.4	16.4	17.9	19.4	23.9	26.9	25.4	22.4	20.9	20.9	20.9
130°	14.9	14.9	16.4	17.9	20.9	22.4	20.9	19.4	17.9	17.9	17.9
132.5°	14.9	14.9	14.9	14.9	16.4	17.9	17.9	16.4	14.9	16.4	16.4
135°	13.4	13.4	13.4	13.4	13.4	14.9	13.4	13.4	13.4	13.4	13.4
137.5°	11.9	11.9	11.9	11.9	11.9	11.9	10.4	10.4	10.4	11.9	11.9
140°	10.4	10.4	10.4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.4
142.5°	9.0	9.0	9.0	7.5	7.5	6.0	6.0	6.0	7.5	7.5	9.0
145°	7.5	7.5	7.5	6.0	4.5	4.5	4.5	4.5	6.0	6.0	6.0
147.5°	6.0	6.0	6.0	4.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	4.5	4.5	4.5	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0
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°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	143.3	141.8	140.3	137.3	135.8	135.8	135.8	134.3	134.3	132.8	132.8
5°	147.7	146.2	140.3	135.8	132.8	129.8	126.8	125.4	123.9	122.4	122.4
7.5°	156.7	153.7	146.2	138.8	132.8	126.8	122.4	119.4	117.9	116.4	116.4
10°	170.1	165.6	153.7	143.3	134.3	126.8	120.9	117.9	114.9	113.4	113.4
12.5°	189.5	183.6	167.1	152.2	140.3	129.8	123.9	119.4	116.4	114.9	114.9
15°	216.4	205.9	185.0	165.6	149.2	135.8	128.3	125.4	123.9	123.9	123.9
17.5°	244.7	229.8	205.9	180.6	161.2	146.2	138.8	135.8	134.3	134.3	134.3
20°	276.1	259.7	226.8	197.0	173.1	159.7	150.7	147.7	146.2	146.2	146.2
22.5°	310.4	292.5	249.2	211.9	188.0	173.1	164.2	159.7	161.2	161.2	161.2
25°	349.2	323.8	273.1	229.8	201.5	186.5	177.6	173.1	176.1	177.6	177.6
27.5°	392.5	358.1	295.5	246.2	216.4	198.5	191.0	188.0	192.5	194.0	195.5
30°	434.3	395.5	317.9	264.1	228.3	210.4	203.0	204.4	207.4	210.4	213.4
32.5°	480.5	429.8	341.7	279.1	240.3	219.4	214.9	219.4	225.3	228.3	229.8
35°	525.3	465.6	359.6	292.5	249.2	228.3	225.3	232.8	240.3	246.2	246.2
37.5°	570.1	498.4	379.0	302.9	256.7	234.3	234.3	244.7	253.7	261.1	261.1
40°	616.3	534.2	395.5	311.9	262.6	240.3	241.7	255.2	267.1	271.6	273.1
42.5°	664.1	564.1	408.9	317.9	265.6	244.7	247.7	264.1	276.1	280.5	282.0
45°	710.3	595.4	419.3	320.8	268.6	246.2	250.7	270.1	282.0	286.5	286.5
47.5°	753.6	622.3	426.8	322.3	268.6	246.2	253.7	273.1	286.5	288.0	288.0
50°	799.9	649.1	432.8	322.3	267.1	246.2	253.7	274.6	286.5	286.5	286.5
52.5°	844.6	673.0	435.7	319.3	264.1	244.7	252.2	273.1	285.0	282.0	282.0
55°	886.4	692.4	434.3	314.9	259.7	240.3	249.2	270.1	280.5	276.1	276.1
57.5°	920.7	708.8	431.3	308.9	255.2	235.8	244.7	265.6	274.6	268.6	267.1
60°	950.6	719.3	425.3	301.4	247.7	229.8	240.3	259.7	267.1	259.7	258.2
62.5°	967.0	723.8	416.3	291.0	241.7	223.8	232.8	252.2	258.2	249.2	249.2
65°	973.0	717.8	402.9	280.5	232.8	217.9	225.3	243.2	247.7	240.3	238.8
67.5°	958.0	701.4	386.5	270.1	223.8	208.9	216.4	232.8	237.3	229.8	228.3
70°	926.7	670.0	365.6	255.2	213.4	200.0	205.9	219.4	225.3	219.4	217.9
72.5°	868.5	631.2	341.7	240.3	201.5	189.5	195.5	207.4	213.4	207.4	205.9
75°	799.9	580.5	314.9	223.8	189.5	179.1	183.6	192.5	198.5	195.5	192.5
77.5°	708.8	519.3	286.5	207.4	177.6	167.1	170.1	179.1	183.6	180.6	180.6
80°	613.3	452.2	258.2	189.5	165.6	156.7	156.7	164.2	168.6	167.1	164.2
82.5°	520.8	386.5	228.3	171.6	150.7	143.3	144.8	147.7	153.7	150.7	149.2
85°	428.3	328.3	200.0	155.2	137.3	131.3	131.3	132.8	137.3	135.8	134.3
87.5°	350.7	270.1	174.6	137.3	123.9	119.4	116.4	119.4	119.4	119.4	116.4
90°	285.0	223.8	150.7	122.4	113.4	107.4	104.5	104.5	104.5	103.0	101.5
92.5°	226.8	185.0	131.3	108.9	101.5	97.0	94.0	92.5	91.0	88.0	88.0
95°	186.5	152.2	113.4	95.5	91.0	86.6	83.6	82.1	79.1	76.1	74.6
97.5°	147.7	126.8	97.0	85.1	80.6	77.6	74.6	71.6	67.2	64.2	62.7
100°	117.9	103.0	83.6	74.6	71.6	68.6	65.7	62.7	58.2	53.7	52.2
102.5°	97.0	86.6	71.6	67.2	64.2	61.2	59.7	55.2	49.2	44.8	44.8
105°	79.1	71.6	62.7	58.2	56.7	55.2	52.2	47.8	41.8	37.3	37.3
107.5°	65.7	61.2	53.7	52.2	50.7	49.2	46.3	41.8	35.8	31.3	31.3
110°	55.2	50.7	46.3	44.8	44.8	43.3	41.8	35.8	31.3	26.9	26.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	46.3	43.3	41.8	40.3	40.3	38.8	37.3	31.3	26.9	23.9	23.9
115°	38.8	37.3	35.8	35.8	35.8	34.3	32.8	28.4	22.4	20.9	20.9
117.5°	34.3	32.8	31.3	31.3	31.3	31.3	28.4	23.9	19.4	17.9	17.9
120°	29.8	29.8	28.4	28.4	28.4	26.9	25.4	20.9	16.4	16.4	16.4
122.5°	26.9	25.4	25.4	25.4	25.4	23.9	20.9	17.9	14.9	14.9	14.9
125°	23.9	22.4	22.4	22.4	22.4	20.9	17.9	14.9	13.4	13.4	13.4
127.5°	20.9	20.9	19.4	19.4	19.4	17.9	16.4	13.4	11.9	11.9	11.9
130°	17.9	17.9	17.9	17.9	16.4	14.9	13.4	11.9	10.4	10.4	10.4
132.5°	16.4	16.4	14.9	14.9	14.9	13.4	11.9	10.4	9.0	10.4	10.4
135°	13.4	13.4	13.4	13.4	11.9	10.4	10.4	9.0	9.0	9.0	9.0
137.5°	11.9	11.9	11.9	10.4	10.4	9.0	9.0	7.5	7.5	7.5	9.0
140°	10.4	10.4	9.0	9.0	7.5	7.5	7.5	6.0	7.5	7.5	7.5
142.5°	9.0	9.0	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
145°	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	6.0	6.0	6.0
147.5°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	4.5	4.5	4.5
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)