

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: P415298

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3586 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 40
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: 28.75 FT

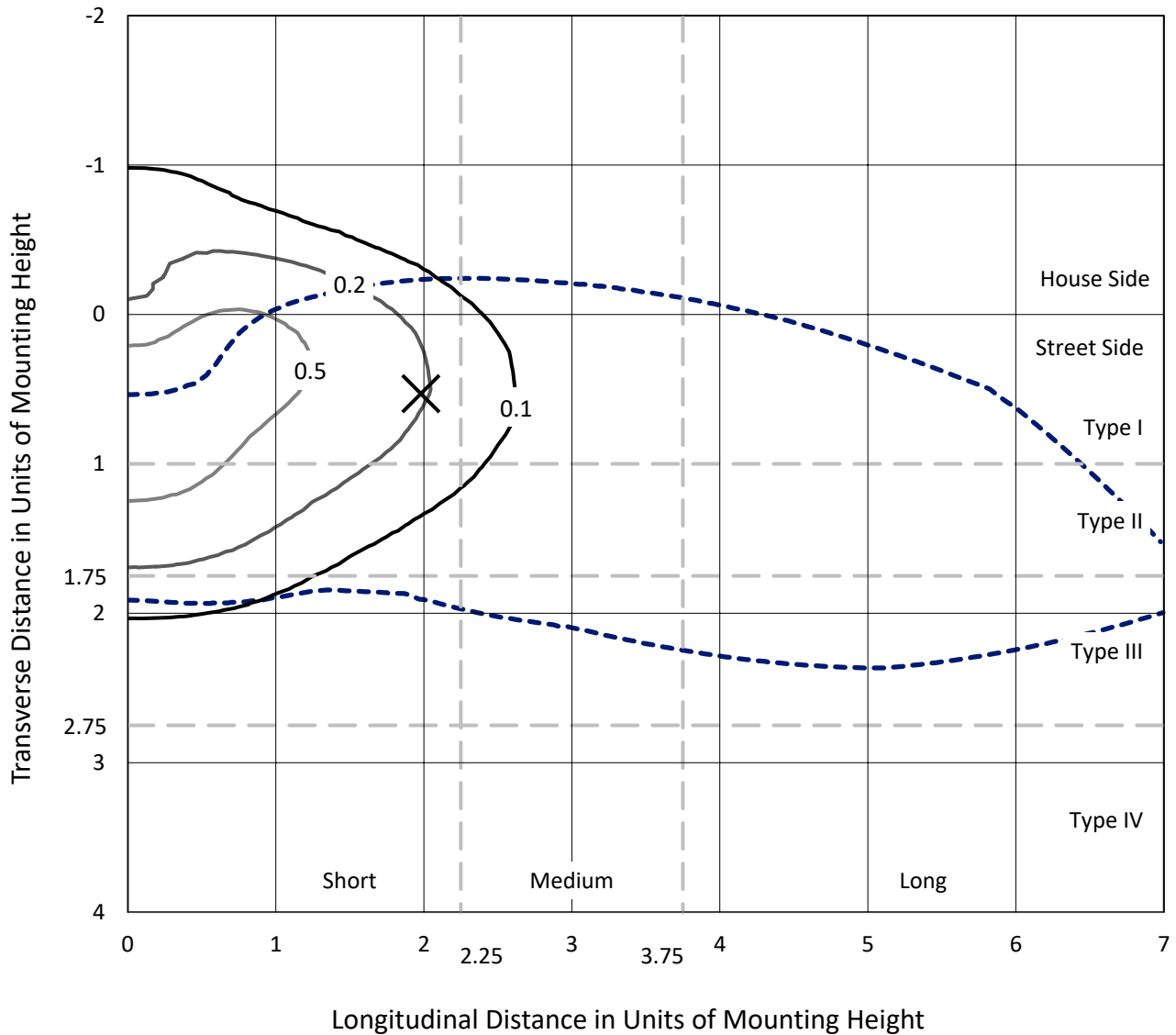


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

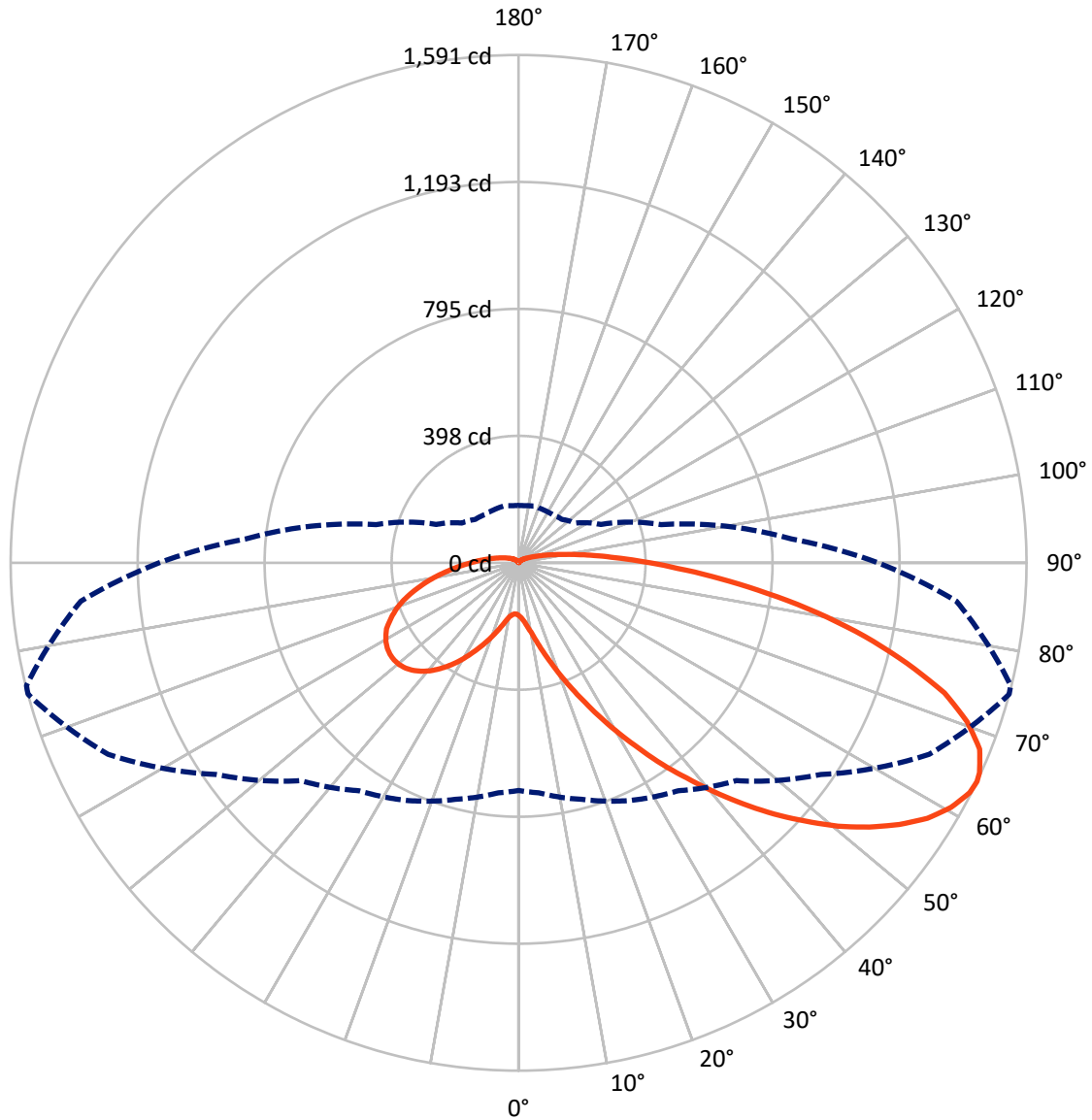


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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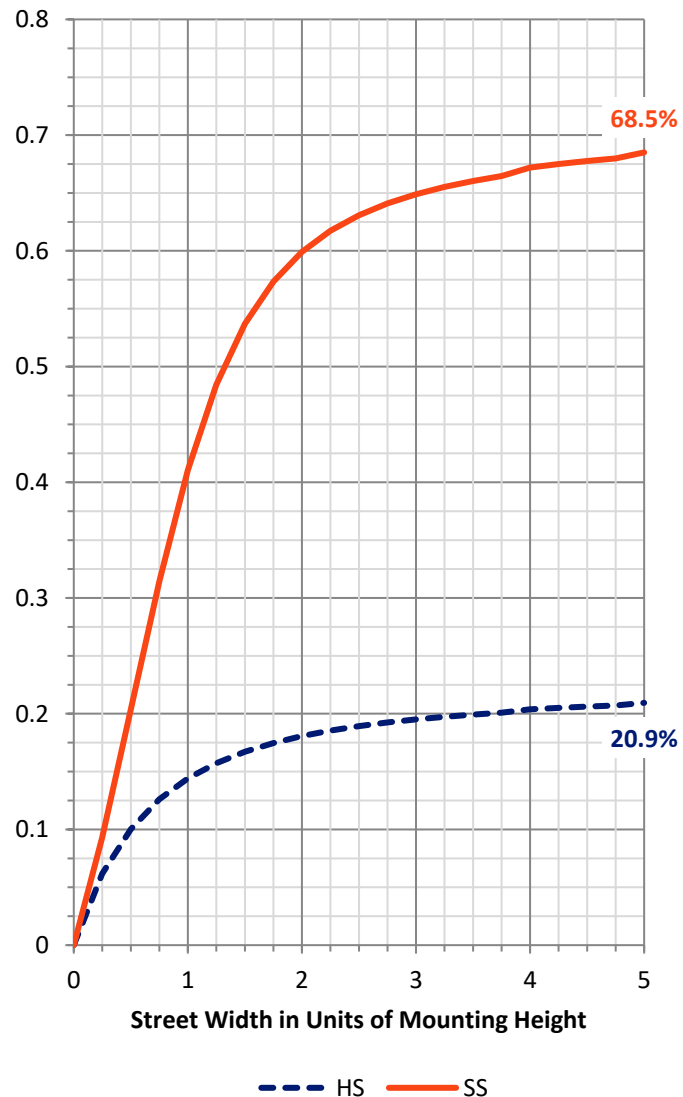
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	790.9	104.2	895.1
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	2532.4	158.5	2690.9
	% Fixture	70.6	4.4	75.0
Total	Lumens	3323.4	262.6	3586.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.5
10°-20°	72.3	2.0
20°-30°	183.1	5.1
30°-40°	358.6	10.0
40°-50°	557.9	15.6
50°-60°	684.2	19.1
60°-70°	665.1	18.5
70°-80°	501.6	14.0
80°-90°	283.2	7.9
90°-100°	133.6	3.7
100°-110°	64.5	1.8
110°-120°	33.9	0.9
120°-130°	18.2	0.5
130°-140°	8.9	0.2
140°-150°	3.1	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3323.4	92.7
0°-180°	3586.0	100.0

Coefficient of Utilization



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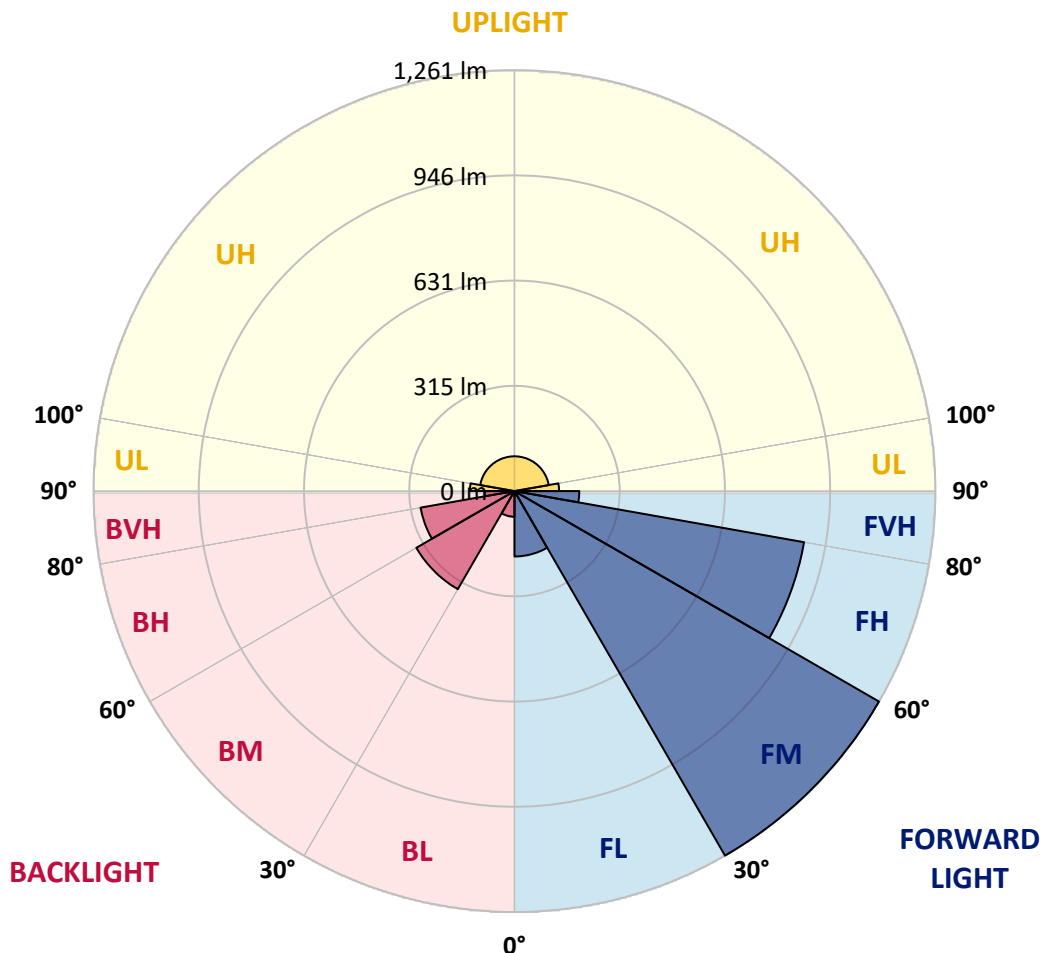
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.9	5.5			
FM (30°-60°)	1261.2	35.2			
FH (60°-80°)	881.1	24.6			G1/1800
FVH (80°-90°)	194.2	5.4			G2/225
BL (0°-30°)	76.9	2.1	B0/110		
BM (30°-60°)	339.4	9.5	B1/1000		
BH (60°-80°)	285.6	8.0	B1/500		G1/500
BVH (80°-90°)	89.0	2.5			G1/100
UL (90°-100°)	133.6	3.7		U3/500	
UH (100°-180°)	104.2	2.9		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3
2.5°	192.7	191.0	190.1	189.7	186.7	183.6	180.1	176.6	172.7	171.9	168.4
5°	222.8	220.6	219.7	217.1	212.8	207.5	200.1	193.2	184.5	184.9	177.1
7.5°	257.1	255.4	252.8	248.9	242.3	235.4	224.5	214.1	202.3	201.0	189.7
10°	296.3	295.0	292.4	286.3	278.0	266.3	255.4	239.7	223.2	222.3	205.8
12.5°	343.3	341.6	334.2	328.1	317.2	306.3	289.8	271.1	253.2	251.1	230.6
15°	396.4	393.8	388.5	379.0	367.2	349.4	332.0	313.3	289.8	285.9	261.9
17.5°	450.8	450.8	444.2	432.9	416.8	401.2	382.0	358.5	328.9	328.5	296.7
20°	519.1	518.2	508.2	491.7	475.6	459.0	436.0	409.4	376.4	373.3	334.6
22.5°	593.0	592.2	580.0	562.1	541.3	517.8	492.1	464.2	428.1	424.2	379.0
25°	673.1	672.7	660.0	632.6	606.1	583.9	557.4	526.5	484.7	483.8	429.4
27.5°	770.6	765.8	746.2	712.7	679.2	650.5	619.6	591.7	550.0	543.4	483.0
30°	864.5	861.9	835.4	799.3	753.2	715.3	684.0	662.7	619.6	613.5	545.6
32.5°	961.6	959.8	927.6	885.9	828.9	781.9	757.5	734.4	693.1	690.5	607.4
35°	1069.0	1062.1	1025.1	967.7	901.5	848.9	827.1	816.7	775.8	766.2	675.3
37.5°	1156.9	1151.7	1118.2	1048.1	970.3	913.7	897.2	890.2	855.0	851.0	748.8
40°	1241.8	1237.9	1197.0	1121.2	1032.5	975.9	959.4	971.1	942.9	936.8	822.8
42.5°	1303.1	1297.9	1260.0	1179.5	1086.4	1026.8	1026.4	1053.4	1032.9	1026.4	899.3
45°	1339.7	1334.4	1303.1	1225.7	1128.6	1071.2	1081.2	1128.6	1122.6	1114.7	969.4
47.5°	1343.1	1340.1	1317.5	1245.7	1154.3	1106.0	1134.7	1202.6	1209.1	1201.7	1044.2
50°	1311.4	1314.4	1300.1	1243.1	1163.4	1128.6	1178.2	1272.7	1296.6	1287.9	1118.6
52.5°	1251.3	1247.9	1253.9	1213.5	1153.9	1136.5	1207.8	1331.4	1375.3	1366.6	1187.4
55°	1151.3	1153.9	1175.2	1160.0	1123.9	1127.3	1225.7	1378.0	1446.7	1439.7	1249.6
57.5°	1046.0	1039.9	1078.2	1080.8	1070.8	1103.0	1227.8	1413.2	1509.8	1502.4	1303.1
60°	908.0	922.8	957.2	986.8	1004.2	1062.5	1213.5	1431.5	1555.9	1553.7	1346.2
62.5°	788.8	791.9	838.4	883.2	925.0	1005.5	1181.7	1431.0	1585.9	1583.3	1371.9
64°	713.1	723.1	767.1	821.5	871.5	964.6	1155.6	1418.9	1590.7	1588.5	1376.2
65°	671.8	670.5	723.1	778.0	831.9	933.7	1129.1	1405.8	1586.4	1586.4	1374.5
67.5°	558.2	562.6	608.7	671.8	738.4	851.9	1061.2	1359.2	1557.6	1560.7	1349.2
70°	460.3	466.9	517.3	573.5	647.0	769.7	977.2	1275.3	1490.2	1494.6	1294.8
72.5°	379.8	387.2	424.2	480.8	562.1	683.1	882.4	1170.0	1394.9	1396.7	1203.9
75°	308.9	317.2	354.6	403.8	474.3	590.0	778.8	1055.5	1256.1	1264.8	1086.4
77.5°	251.5	260.2	294.6	338.9	405.9	504.7	676.1	923.3	1108.6	1113.8	952.0
80°	203.2	212.3	242.8	284.6	342.9	429.9	580.0	788.0	949.4	949.4	813.6
82.5°	164.9	172.7	200.1	236.3	289.3	362.9	487.3	654.8	784.9	785.4	672.2
85°	133.1	137.9	164.9	196.7	240.6	304.1	402.9	533.0	633.1	623.9	541.7
87.5°	107.0	111.4	134.0	164.9	199.7	253.7	330.7	433.8	497.8	500.8	432.5
90°	86.1	88.8	109.6	135.8	167.9	209.7	268.9	345.0	391.6	387.7	338.9
92.5°	70.1	73.1	90.9	114.4	141.4	176.2	221.5	273.2	303.3	304.1	265.0
95°	57.4	59.2	75.7	96.6	121.0	147.5	180.6	217.5	238.0	235.4	206.2
97.5°	47.9	48.7	64.0	82.7	102.7	124.4	150.5	173.2	184.5	182.7	161.4
100°	40.5	41.3	54.4	71.8	88.8	106.2	124.4	139.7	143.6	141.4	127.0
102.5°	35.2	35.7	46.6	62.2	76.6	90.9	103.6	113.1	112.7	112.7	100.5
105°	30.9	31.3	40.5	54.4	67.4	78.8	87.5	92.2	90.5	89.6	80.5
107.5°	27.8	28.3	35.7	47.9	59.6	68.3	74.8	76.1	72.7	71.8	65.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	25.2	25.2	31.3	42.2	52.6	59.6	64.0	64.0	58.7	58.3	54.0
112.5°	23.1	23.5	28.3	37.4	46.6	52.6	55.3	53.1	48.3	47.9	45.7
115°	21.3	21.8	25.2	33.5	41.3	46.6	47.9	44.8	40.0	39.6	37.9
117.5°	20.0	20.4	23.1	29.6	37.0	40.9	41.3	38.3	33.5	33.1	32.6
120°	19.1	19.1	21.3	26.5	32.6	36.1	35.7	32.6	28.7	28.3	28.3
122.5°	18.3	18.3	19.6	23.5	28.7	31.8	31.3	27.8	24.4	24.4	24.4
125°	17.4	17.4	18.3	21.3	25.7	27.8	27.0	23.9	20.9	20.9	21.8
127.5°	16.5	16.5	17.0	18.7	22.6	23.9	23.1	20.0	18.3	18.3	18.7
130°	15.7	15.7	15.7	17.0	19.6	20.4	19.6	17.0	15.7	15.7	16.5
132.5°	14.8	14.8	14.8	14.8	16.5	17.4	16.1	13.9	13.5	13.9	14.4
135°	13.9	13.9	13.5	13.1	13.9	14.4	13.1	11.7	11.7	11.7	12.6
137.5°	13.1	12.6	12.2	11.7	11.3	11.3	10.4	9.1	10.0	10.0	10.9
140°	11.7	11.3	10.9	10.0	9.1	8.7	7.8	7.4	8.3	8.3	8.7
142.5°	10.4	10.0	9.6	8.3	7.0	6.1	5.2	5.7	6.5	6.5	7.0
145°	8.7	8.7	7.8	6.5	5.2	4.4	3.5	3.9	4.8	4.8	5.2
147.5°	7.4	7.0	6.5	5.2	3.5	2.6	1.7	2.6	3.5	3.5	3.9
150°	5.7	5.2	4.8	3.5	2.2	0.9	0.9	1.7	2.2	2.2	2.6
152.5°	3.9	3.9	3.5	2.2	0.9	0.0	0.4	0.9	1.3	1.3	1.7
155°	2.6	2.2	1.7	1.3	0.4	0.0	0.0	0.4	0.9	0.9	0.9
157.5°	1.3	1.3	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	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°	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3
2.5°	166.2	164.5	160.6	157.1	153.6	150.5	148.8	146.6	146.2	145.8	145.8
5°	172.3	168.4	160.6	153.2	146.2	140.5	136.2	131.8	129.7	128.8	128.4
7.5°	182.7	176.6	164.0	152.7	142.3	133.6	126.6	121.4	118.3	116.6	116.2
10°	197.1	188.4	171.0	155.3	141.4	130.1	121.4	115.3	111.4	109.6	109.2
12.5°	219.7	205.8	184.0	161.9	143.6	129.7	119.7	113.1	111.4	109.6	109.6
15°	245.4	231.5	201.4	174.0	150.5	132.3	123.6	119.2	116.6	115.3	114.9
17.5°	278.5	257.1	221.0	187.1	159.2	141.8	130.5	125.7	123.1	121.8	121.4
20°	312.4	287.2	242.8	201.4	171.0	153.2	139.7	132.3	129.7	128.4	127.9
22.5°	352.9	322.4	265.4	216.7	184.5	163.6	148.4	139.7	136.6	135.3	135.8
25°	394.2	361.6	289.8	232.8	197.1	172.3	156.6	146.6	144.5	142.7	142.7
27.5°	444.7	401.2	314.6	251.1	208.0	180.1	164.0	154.0	150.1	150.1	149.7
30°	497.8	443.4	341.6	266.7	217.5	187.1	169.7	160.6	156.6	156.2	156.2
32.5°	549.5	488.6	368.1	282.4	224.9	191.9	174.9	166.2	161.4	161.0	161.4
35°	610.0	534.7	392.9	295.0	231.5	195.8	178.8	171.0	165.8	165.3	165.3
37.5°	667.4	582.2	416.8	305.0	235.8	198.4	181.9	174.9	169.3	168.8	168.4
40°	727.5	627.0	438.6	313.3	238.0	200.1	183.6	177.5	172.3	170.6	170.6
42.5°	788.4	672.2	456.9	318.1	239.3	200.6	184.9	179.3	174.5	171.4	171.4
45°	845.4	710.9	472.1	320.7	239.3	201.0	185.8	180.6	176.2	172.3	171.9
47.5°	908.0	750.1	483.8	321.1	238.0	200.1	186.2	181.9	177.1	172.7	172.3
50°	962.9	787.1	491.2	319.8	236.3	199.7	186.7	182.3	178.4	173.2	173.2
52.5°	1011.2	816.7	494.7	316.3	234.1	198.8	186.7	183.2	179.7	174.0	173.6
55°	1053.8	839.7	494.3	311.1	230.6	197.5	186.2	183.2	180.6	174.5	174.5
57.5°	1090.4	855.8	490.4	305.0	227.1	196.7	186.2	183.6	181.4	175.8	175.8
60°	1115.2	865.0	482.5	297.6	223.6	194.9	185.8	184.0	182.7	177.1	177.5
62.5°	1126.9	863.7	470.3	289.8	219.7	193.2	184.9	183.6	183.2	178.8	178.8
64°	1126.0	857.6	462.1	284.1	217.1	192.3	184.5	183.2	183.6	179.7	179.7
65°	1120.4	848.9	453.4	279.8	214.9	191.4	183.6	182.7	183.6	179.7	179.7
67.5°	1093.0	821.9	431.2	268.9	209.3	187.5	181.0	180.6	181.9	179.3	178.8
70°	1038.6	779.3	407.3	255.0	202.3	183.2	177.1	176.6	178.4	176.2	175.3
72.5°	964.6	720.1	378.1	240.6	194.1	177.1	171.9	171.4	172.3	171.0	169.7
75°	871.5	650.5	345.5	224.5	184.9	169.3	164.5	163.6	164.9	163.2	162.3
77.5°	767.9	573.5	311.1	207.5	173.2	160.6	155.8	154.5	154.5	152.3	150.1
80°	654.0	494.7	276.7	190.1	161.0	149.7	145.8	144.0	142.7	139.2	137.1
82.5°	546.0	420.7	241.5	172.3	147.9	137.9	134.0	131.8	128.8	124.4	121.4
85°	444.2	350.3	209.3	153.2	134.9	125.3	122.3	118.3	114.4	109.6	105.7
87.5°	356.8	286.7	180.6	136.2	120.1	112.7	109.2	104.0	100.1	94.9	91.4
90°	283.2	235.0	154.5	119.7	107.0	100.5	97.5	92.2	86.6	80.9	77.9
92.5°	228.4	191.4	133.1	105.7	95.7	90.1	86.1	80.9	74.4	68.7	66.6
95°	181.4	154.9	113.6	93.5	84.8	79.6	75.7	70.9	64.0	57.4	55.7
97.5°	143.6	127.5	97.0	82.2	75.3	70.9	66.6	62.2	55.3	48.7	47.9
100°	115.3	103.6	83.1	72.7	66.6	62.7	59.2	54.4	47.9	40.9	40.9
102.5°	93.1	85.7	71.4	64.0	59.2	55.7	52.2	47.9	41.3	35.2	34.8
105°	76.1	70.9	61.3	56.6	52.6	50.0	46.6	41.8	35.7	30.0	29.6
107.5°	63.5	58.7	53.1	50.0	47.0	44.4	41.8	37.0	30.9	26.1	26.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	52.2	50.5	46.1	43.9	42.2	39.6	37.0	32.2	26.5	23.1	23.1
112.5°	44.4	42.6	40.5	39.2	37.4	35.7	32.6	28.3	23.1	20.4	20.4
115°	37.4	36.5	35.2	34.4	33.5	31.8	28.7	24.4	19.6	17.8	18.3
117.5°	32.6	32.2	31.3	30.9	30.0	27.8	25.2	21.3	17.0	16.1	16.1
120°	28.3	28.3	27.4	27.4	26.5	24.8	21.8	18.3	14.8	14.4	14.4
122.5°	24.8	24.8	24.4	24.4	23.5	21.8	19.1	15.7	12.6	12.6	13.1
125°	21.8	21.8	21.3	21.3	20.9	19.1	16.5	13.5	11.3	11.3	11.3
127.5°	19.1	19.1	19.1	18.7	17.8	16.5	13.9	11.3	10.0	10.0	10.0
130°	17.0	17.0	16.5	16.5	15.7	13.9	11.7	9.6	8.3	9.1	9.1
132.5°	14.8	14.8	14.8	13.9	13.1	11.7	9.6	7.8	7.4	7.8	7.8
135°	12.6	13.1	12.6	12.2	11.3	9.6	7.8	6.5	6.5	7.0	7.0
137.5°	10.9	10.9	10.9	10.0	9.1	7.8	6.1	5.2	5.7	6.1	6.1
140°	9.1	9.1	8.7	8.3	7.4	6.1	4.8	3.9	4.8	5.2	5.2
142.5°	7.4	7.4	7.0	6.5	5.2	4.4	3.0	3.0	3.9	4.4	4.4
145°	5.7	5.7	5.2	4.8	3.9	2.6	2.2	2.6	3.5	3.5	3.5
147.5°	3.9	3.9	3.9	3.0	2.2	1.3	0.9	1.7	2.6	2.6	3.0
150°	2.6	2.6	2.6	2.2	1.3	0.4	0.4	1.3	1.7	2.2	2.2
152.5°	1.7	1.7	1.7	1.3	0.9	0.0	0.0	0.9	1.3	1.3	1.3
155°	0.9	0.9	0.9	0.9	0.4	0.0	0.0	0.4	0.9	0.9	0.9
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.9	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	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)