

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: P695238

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
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-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3353 lumens
Efficiency: N/A
Efficacy: 83.4 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

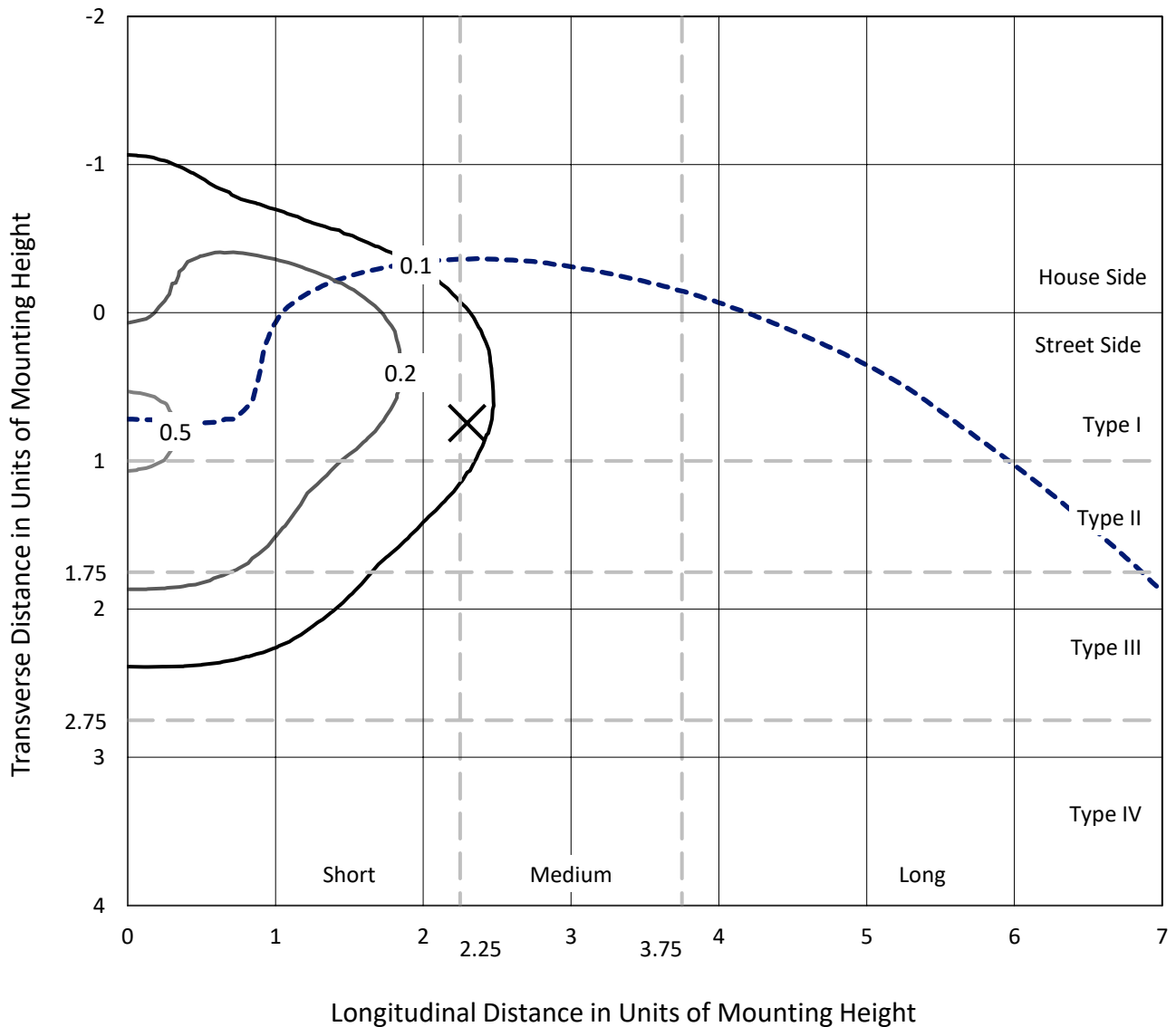
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

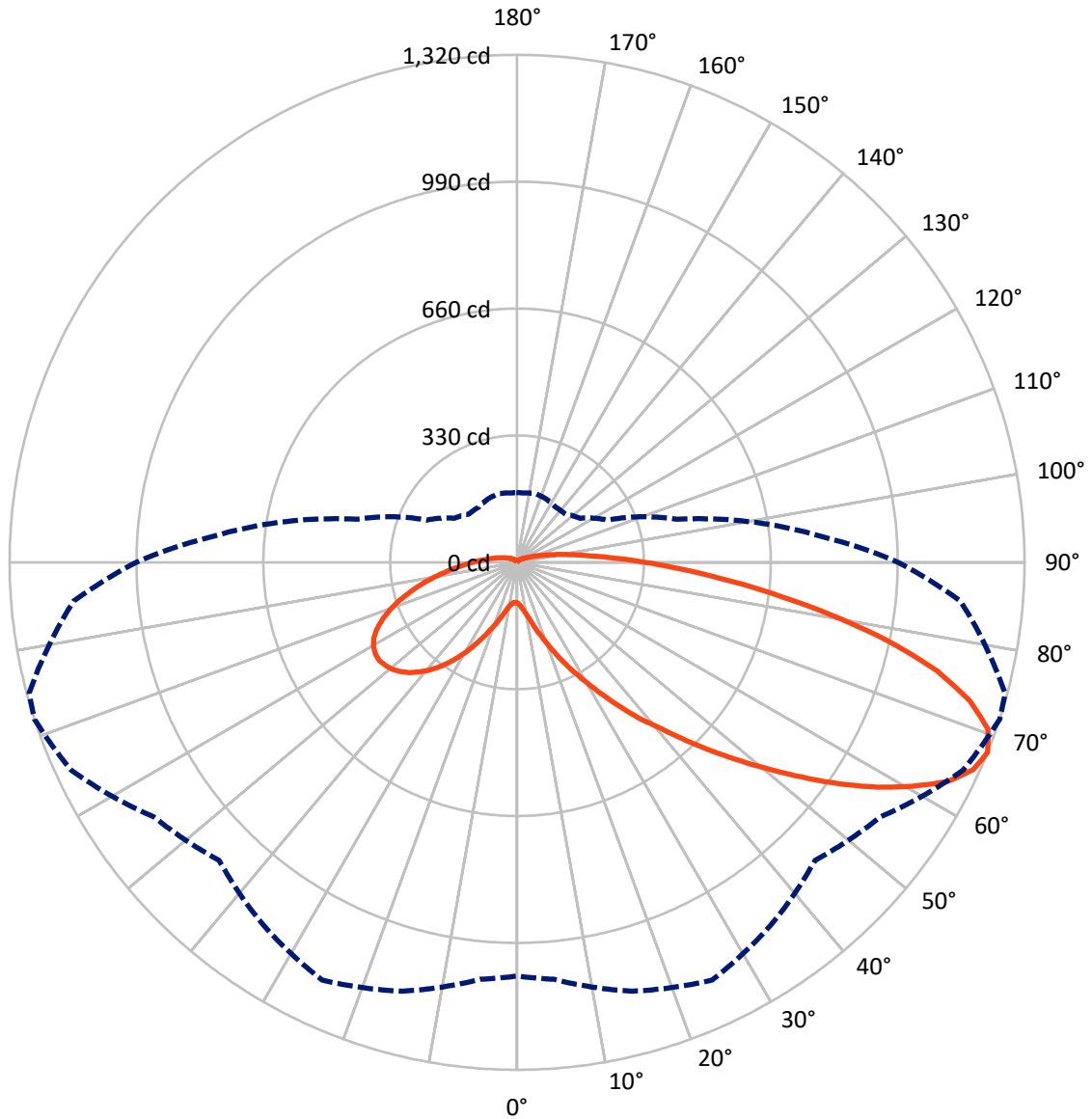
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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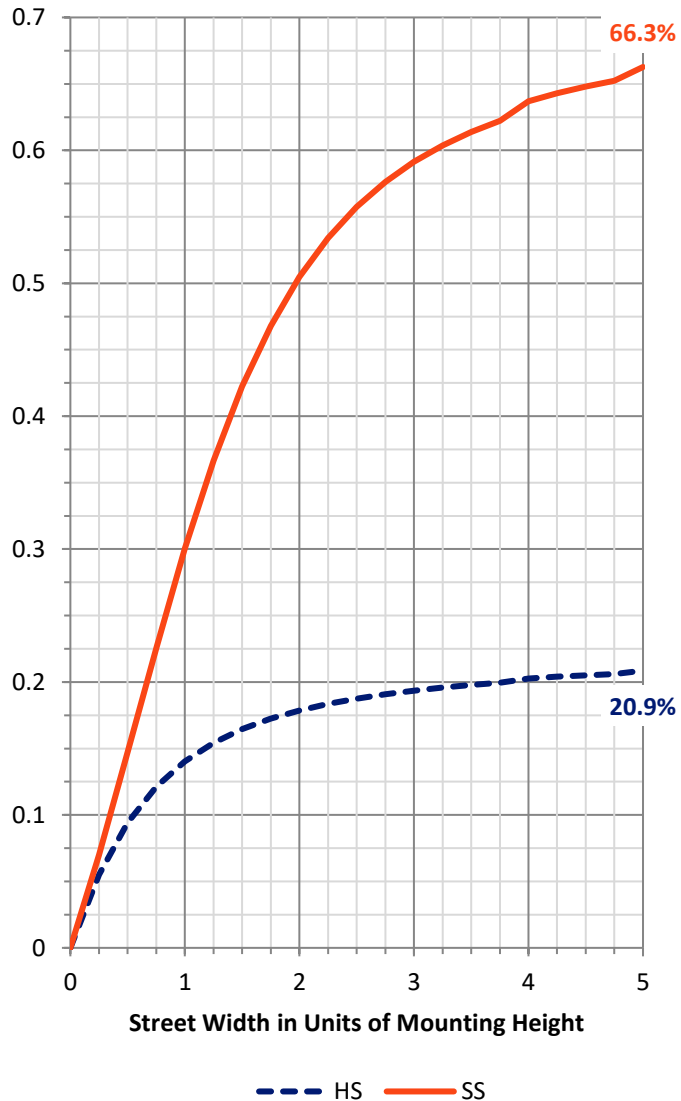
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	740.7	99.2	839.9
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	2347.6	165.5	2513.1
	% Fixture	70.0	4.9	75.0
Total	Lumens	3088.2	264.8	3353.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.3
10°-20°	46.0	1.4
20°-30°	117.8	3.5
30°-40°	236.5	7.1
40°-50°	398.2	11.9
50°-60°	588.1	17.5
60°-70°	724.6	21.6
70°-80°	625.6	18.7
80°-90°	340.4	10.2
90°-100°	144.7	4.3
100°-110°	63.4	1.9
110°-120°	30.5	0.9
120°-130°	15.6	0.5
130°-140°	7.6	0.2
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3088.2	92.1
0°-180°	3353.0	100.0

Coefficient of Utilization

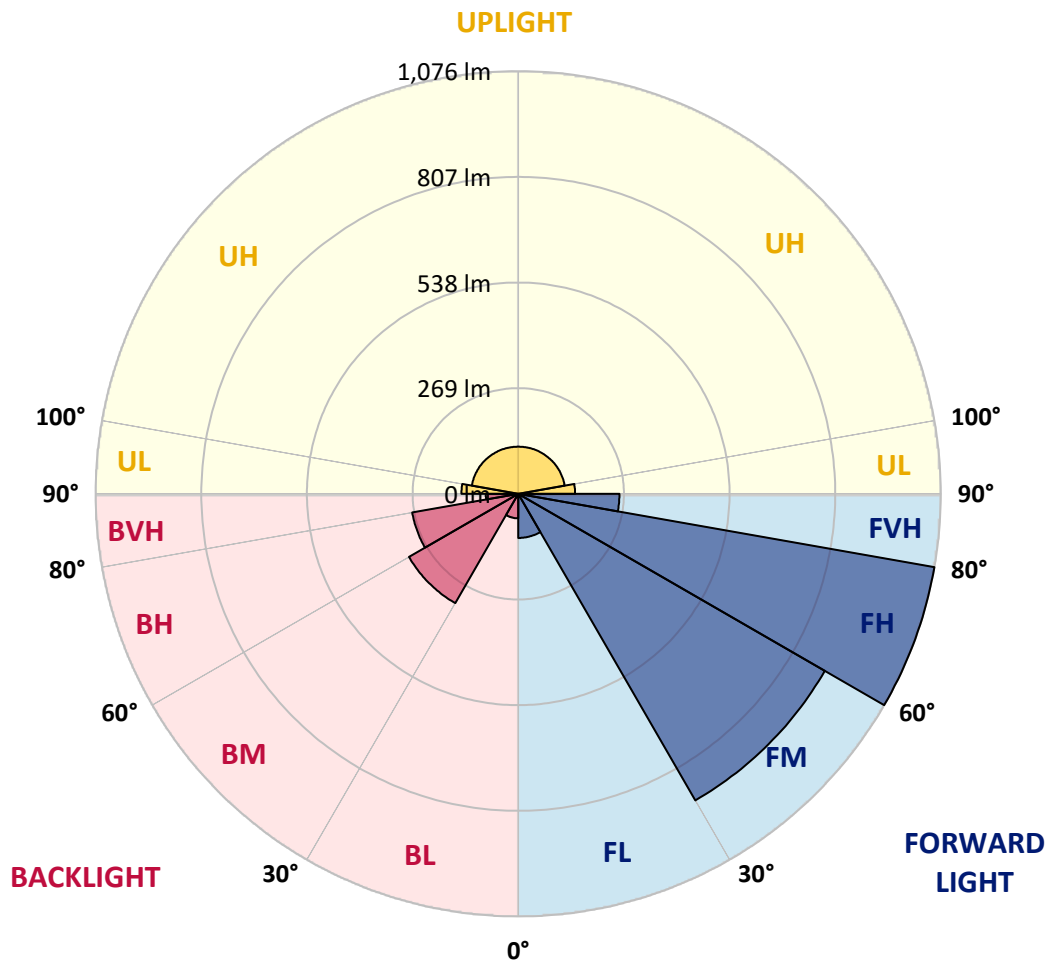


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.4	3.4			
FM (30°-60°)	901.5	26.9			
FH (60°-80°)	1076.1	32.1			G1/1800
FVH (80°-90°)	257.6	7.7			G3/500
BL (0°-30°)	62.4	1.9	B0/110		
BM (30°-60°)	321.3	9.6	B1/1000		
BH (60°-80°)	274.2	8.2	B1/500		G1/500
BVH (80°-90°)	82.8	2.5			G1/100
UL (90°-100°)	144.7	4.3		U3/500	
UH (100°-180°)	120.1	3.6		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°	72°	75°	85°
0°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	115.8	115.8	115.8	114.6	113.3	113.3	112.1	110.9	109.6	108.4	107.2
5°	129.3	129.3	128.1	128.1	125.6	124.4	121.9	118.2	117.0	115.8	112.1
7.5°	146.6	146.6	144.1	144.1	140.4	138.0	134.3	129.3	125.6	124.4	119.5
10°	166.3	165.1	165.1	161.4	157.7	155.2	149.0	142.9	139.2	136.7	130.6
12.5°	192.2	190.9	188.5	184.8	179.8	173.7	167.5	161.4	155.2	152.7	145.3
15°	220.5	220.5	218.0	211.9	205.7	197.1	189.7	182.3	177.4	174.9	165.1
17.5°	253.7	252.5	250.0	242.7	232.8	224.2	215.6	206.9	200.8	198.3	187.2
20°	294.4	293.2	285.8	274.7	266.1	253.7	242.7	232.8	227.9	225.4	213.1
22.5°	338.7	336.3	328.9	315.3	298.1	285.8	273.4	263.6	258.7	255.0	243.9
25°	389.2	385.5	375.7	354.7	335.0	317.8	305.5	295.6	293.2	290.7	275.9
27.5°	444.7	442.2	428.6	402.8	375.7	356.0	340.0	333.8	328.9	326.4	310.4
30°	508.7	505.0	484.1	454.5	418.8	390.5	375.7	372.0	368.3	369.5	354.7
32.5°	571.5	571.5	545.7	506.2	461.9	428.6	411.4	413.9	412.6	412.6	395.4
35°	639.3	640.5	608.5	565.4	507.5	469.3	452.1	458.2	460.7	459.4	442.2
37.5°	710.7	708.3	676.2	622.0	555.5	508.7	493.9	502.6	513.6	509.9	493.9
40°	789.5	784.6	753.8	683.6	608.5	551.8	538.3	555.5	562.9	567.8	545.7
42.5°	861.0	858.5	822.8	750.1	661.4	597.4	582.6	606.0	625.7	627.0	604.8
45°	931.2	926.3	896.7	815.4	713.2	649.1	636.8	670.1	693.5	695.9	671.3
47.5°	995.2	995.2	962.0	881.9	777.2	700.9	692.2	736.6	766.1	768.6	741.5
50°	1061.8	1059.3	1031.0	949.7	837.6	757.5	753.8	810.5	843.7	847.4	811.7
52.5°	1111.0	1111.0	1092.6	1016.2	895.5	813.0	819.1	885.6	928.7	938.6	891.8
55°	1154.1	1155.4	1143.1	1074.1	962.0	873.3	881.9	965.7	1017.4	1031.0	971.8
57.5°	1182.5	1183.7	1187.4	1133.2	1019.9	928.7	950.9	1050.7	1103.6	1114.7	1048.2
60°	1193.6	1197.3	1214.5	1178.8	1071.6	986.6	1016.2	1127.0	1182.5	1194.8	1109.8
62.5°	1182.5	1188.6	1223.1	1210.8	1118.4	1035.9	1075.3	1197.3	1256.4	1261.3	1159.1
65°	1149.2	1156.6	1203.4	1218.2	1145.5	1075.3	1127.0	1251.5	1303.2	1304.4	1175.1
67.5°	1076.5	1088.9	1155.4	1199.7	1151.7	1096.3	1154.1	1279.8	1320.4	1314.3	1157.8
70°	987.9	997.7	1074.1	1145.5	1129.5	1092.6	1157.8	1273.6	1299.5	1284.7	1099.9
72.5°	864.7	875.8	965.7	1059.3	1072.8	1063.0	1127.0	1231.7	1231.7	1209.6	1010.0
75°	731.7	752.6	832.7	943.5	992.8	997.7	1066.7	1145.5	1128.3	1096.3	883.2
77.5°	602.3	609.7	688.5	811.7	875.8	905.3	966.9	1019.9	989.1	950.9	748.9
80°	479.1	485.3	556.7	670.1	751.4	801.9	852.4	869.6	826.5	788.3	610.9
82.5°	372.0	379.4	443.4	543.2	624.5	675.0	716.9	720.6	670.1	635.6	486.5
85°	279.6	287.0	341.2	429.9	506.2	559.2	585.1	582.6	527.2	498.9	376.9
87.5°	216.8	215.6	259.9	330.1	401.5	443.4	463.1	447.1	408.9	384.3	289.5
90°	161.4	166.3	200.8	257.4	312.9	348.6	364.6	346.1	314.1	294.4	222.9
92.5°	124.4	126.9	157.7	200.8	247.6	278.4	289.5	268.5	237.7	226.6	171.2
95°	97.3	99.8	121.9	157.7	192.2	215.6	221.7	205.7	181.1	172.4	133.0
97.5°	78.8	80.1	96.1	125.6	152.7	171.2	173.7	157.7	141.7	131.8	104.7
100°	62.8	62.8	77.6	99.8	120.7	135.5	134.3	124.4	110.9	103.5	81.3
102.5°	51.7	51.7	62.8	82.5	98.5	109.6	109.6	97.3	86.2	80.1	64.1
105°	43.1	43.1	51.7	66.5	81.3	89.9	88.7	78.8	67.7	62.8	50.5
107.5°	37.0	37.0	43.1	55.4	66.5	73.9	72.7	62.8	54.2	50.5	41.9
110°	32.0	32.0	37.0	46.8	56.7	61.6	60.4	50.5	43.1	40.6	34.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	27.1	28.3	30.8	39.4	48.0	53.0	50.5	41.9	34.5	32.0	29.6
115°	24.6	24.6	27.1	33.3	40.6	44.3	41.9	34.5	28.3	27.1	24.6
117.5°	22.2	22.2	24.6	29.6	35.7	38.2	35.7	28.3	24.6	22.2	20.9
120°	19.7	19.7	20.9	25.9	29.6	32.0	29.6	23.4	19.7	19.7	18.5
122.5°	18.5	18.5	19.7	22.2	25.9	27.1	24.6	19.7	17.2	17.2	17.2
125°	16.0	17.2	17.2	19.7	22.2	23.4	20.9	17.2	14.8	14.8	14.8
127.5°	14.8	14.8	16.0	17.2	18.5	19.7	17.2	14.8	13.5	12.3	13.5
130°	13.5	13.5	13.5	14.8	16.0	16.0	14.8	12.3	11.1	11.1	12.3
132.5°	12.3	12.3	12.3	12.3	13.5	13.5	12.3	9.9	9.9	9.9	11.1
135°	11.1	11.1	11.1	11.1	11.1	11.1	9.9	8.6	8.6	8.6	9.9
137.5°	9.9	9.9	9.9	9.9	8.6	8.6	7.4	7.4	7.4	7.4	8.6
140°	8.6	8.6	8.6	7.4	7.4	6.2	6.2	6.2	6.2	6.2	7.4
142.5°	7.4	7.4	7.4	6.2	4.9	4.9	4.9	4.9	4.9	4.9	6.2
145°	6.2	6.2	4.9	4.9	3.7	3.7	3.7	3.7	3.7	3.7	4.9
147.5°	4.9	4.9	3.7	3.7	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	3.7	3.7	2.5	2.5	2.5	1.2	1.2	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°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	107.2	105.9	104.7	103.5	102.2	102.2	101.0	99.8	99.8	99.8	98.5
5°	110.9	108.4	105.9	103.5	99.8	98.5	96.1	94.8	93.6	92.4	92.4
7.5°	117.0	114.6	109.6	104.7	101.0	97.3	93.6	91.1	89.9	88.7	88.7
10°	126.9	123.2	115.8	109.6	103.5	98.5	94.8	91.1	89.9	88.7	87.5
12.5°	140.4	136.7	126.9	117.0	109.6	102.2	97.3	93.6	91.1	89.9	89.9
15°	160.1	154.0	141.7	129.3	118.2	109.6	103.5	99.8	98.5	97.3	97.3
17.5°	181.1	172.4	158.9	142.9	130.6	119.5	112.1	109.6	107.2	105.9	105.9
20°	205.7	195.8	178.6	158.9	142.9	131.8	123.2	118.2	115.8	114.6	114.6
22.5°	232.8	224.2	199.5	177.4	157.7	145.3	133.0	126.9	124.4	123.2	124.4
25°	264.8	252.5	224.2	197.1	173.7	156.4	144.1	135.5	134.3	133.0	134.3
27.5°	300.5	284.5	251.3	215.6	188.5	167.5	154.0	145.3	144.1	142.9	144.1
30°	338.7	323.9	279.6	237.7	203.2	177.4	162.6	155.2	152.7	154.0	152.7
32.5°	380.6	357.2	307.9	257.4	215.6	184.8	168.7	162.6	162.6	163.8	163.8
35°	426.2	400.3	336.3	275.9	225.4	192.2	174.9	170.0	170.0	172.4	172.4
37.5°	471.8	441.0	364.6	290.7	232.8	195.8	179.8	176.1	176.1	179.8	179.8
40°	521.0	484.1	390.5	304.2	239.0	199.5	182.3	181.1	182.3	186.0	186.0
42.5°	574.0	526.0	413.9	314.1	241.4	200.8	184.8	184.8	187.2	189.7	190.9
45°	629.4	571.5	437.3	320.3	242.7	200.8	186.0	186.0	190.9	193.4	193.4
47.5°	689.8	617.1	455.7	323.9	241.4	199.5	186.0	188.5	192.2	194.6	194.6
50°	755.1	666.4	473.0	323.9	239.0	198.3	186.0	188.5	193.4	194.6	194.6
52.5°	819.1	714.4	484.1	320.3	235.3	195.8	184.8	188.5	193.4	193.4	193.4
55°	886.9	760.0	493.9	315.3	230.3	193.4	183.5	188.5	192.2	192.2	192.2
57.5°	941.1	796.9	495.2	307.9	225.4	190.9	182.3	187.2	190.9	189.7	189.7
60°	987.9	822.8	491.5	298.1	219.3	187.2	181.1	186.0	189.7	187.2	187.2
62.5°	1018.7	833.9	480.4	287.0	213.1	184.8	179.8	184.8	188.5	186.0	186.0
65°	1019.9	822.8	459.4	274.7	205.7	181.1	177.4	183.5	187.2	183.5	183.5
67.5°	991.6	789.5	432.3	259.9	199.5	177.4	174.9	181.1	184.8	181.1	181.1
70°	931.2	734.1	399.1	245.1	190.9	173.7	172.4	178.6	181.1	177.4	176.1
72.5°	843.7	660.2	362.1	227.9	182.3	167.5	167.5	173.7	176.1	172.4	171.2
75°	730.4	575.2	321.5	209.4	172.4	161.4	162.6	167.5	170.0	166.3	163.8
77.5°	614.6	489.0	282.1	193.4	162.6	154.0	155.2	161.4	162.6	158.9	156.4
80°	498.9	397.9	242.7	174.9	151.5	146.6	147.8	151.5	152.7	149.0	146.6
82.5°	400.3	323.9	205.7	157.7	140.4	136.7	139.2	141.7	141.7	138.0	135.5
85°	315.3	257.4	174.9	139.2	128.1	126.9	129.3	130.6	129.3	125.6	123.2
87.5°	243.9	204.5	146.6	121.9	115.8	117.0	118.2	118.2	117.0	114.6	110.9
90°	189.7	162.6	123.2	107.2	104.7	105.9	107.2	107.2	104.7	101.0	98.5
92.5°	150.3	131.8	103.5	93.6	93.6	96.1	96.1	96.1	92.4	88.7	87.5
95°	117.0	104.7	87.5	82.5	82.5	85.0	86.2	85.0	81.3	77.6	76.4
97.5°	93.6	85.0	75.1	71.4	73.9	76.4	76.4	73.9	70.2	67.7	66.5
100°	75.1	69.0	62.8	62.8	65.3	67.7	67.7	65.3	61.6	56.7	56.7
102.5°	60.4	57.9	54.2	55.4	56.7	59.1	59.1	56.7	51.7	48.0	48.0
105°	49.3	48.0	46.8	48.0	50.5	51.7	51.7	49.3	44.3	40.6	40.6
107.5°	40.6	39.4	39.4	41.9	44.3	45.6	45.6	41.9	38.2	34.5	35.7
110°	34.5	33.3	33.3	35.7	38.2	39.4	39.4	37.0	32.0	29.6	30.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	28.3	29.6	32.0	34.5	35.7	34.5	30.8	27.1	25.9	25.9
115°	24.6	24.6	25.9	28.3	29.6	30.8	29.6	27.1	23.4	22.2	22.2
117.5°	20.9	20.9	22.2	24.6	25.9	27.1	25.9	23.4	19.7	19.7	19.7
120°	18.5	18.5	19.7	22.2	23.4	23.4	22.2	19.7	17.2	17.2	17.2
122.5°	17.2	17.2	17.2	18.5	19.7	20.9	19.7	17.2	14.8	14.8	14.8
125°	14.8	14.8	16.0	17.2	17.2	17.2	16.0	14.8	13.5	13.5	13.5
127.5°	13.5	13.5	13.5	14.8	16.0	14.8	13.5	12.3	11.1	12.3	12.3
130°	12.3	12.3	12.3	12.3	13.5	13.5	12.3	11.1	9.9	9.9	9.9
132.5°	11.1	11.1	11.1	11.1	11.1	11.1	9.9	8.6	8.6	9.9	9.9
135°	9.9	9.9	9.9	9.9	9.9	9.9	8.6	7.4	7.4	8.6	8.6
137.5°	8.6	8.6	8.6	7.4	8.6	7.4	7.4	7.4	7.4	7.4	7.4
140°	7.4	7.4	7.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	4.9	4.9	4.9	4.9	4.9	4.9	6.2	6.2
145°	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9
147.5°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	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	3.7	3.7
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)