

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: P695053

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3712 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

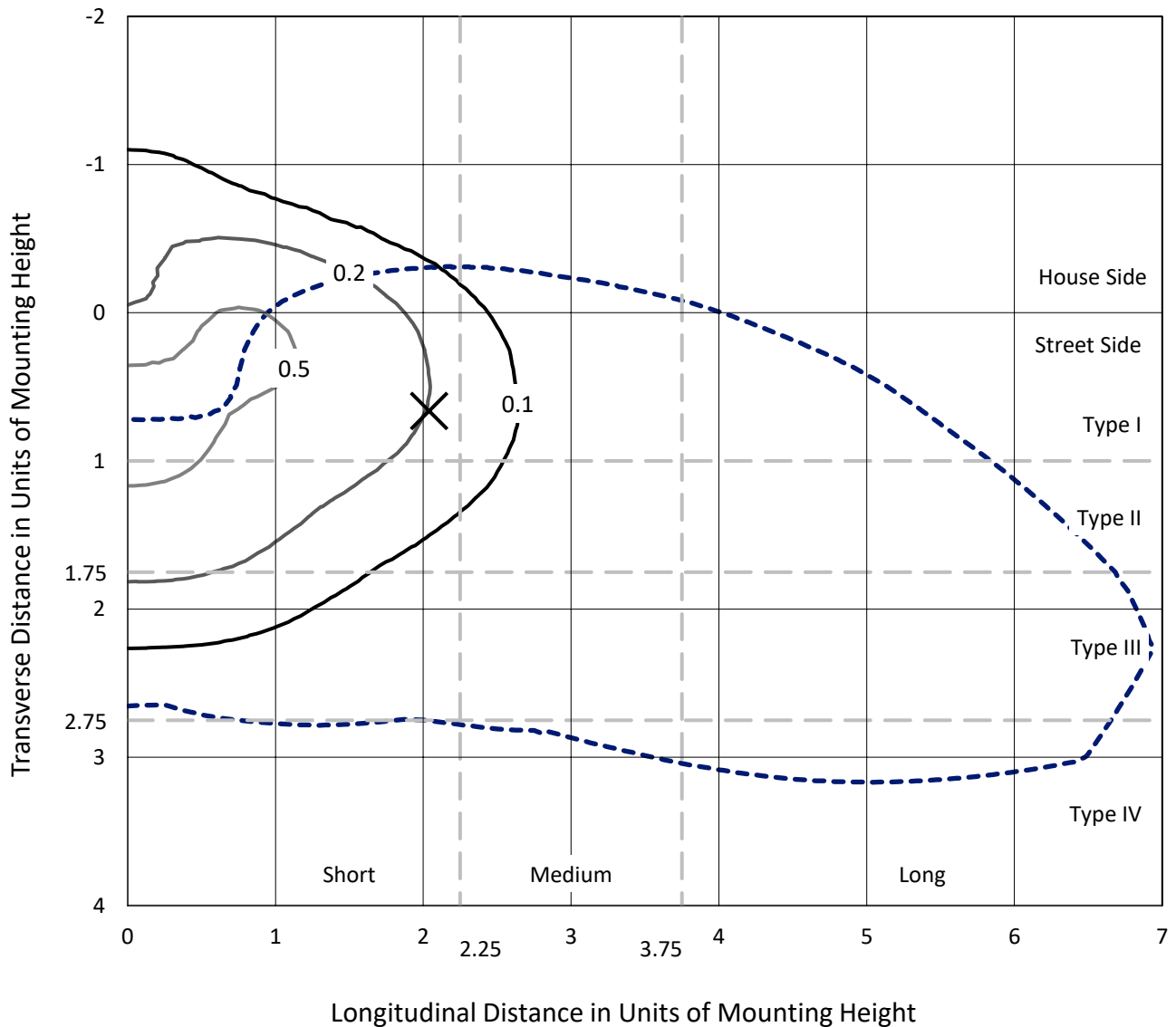
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

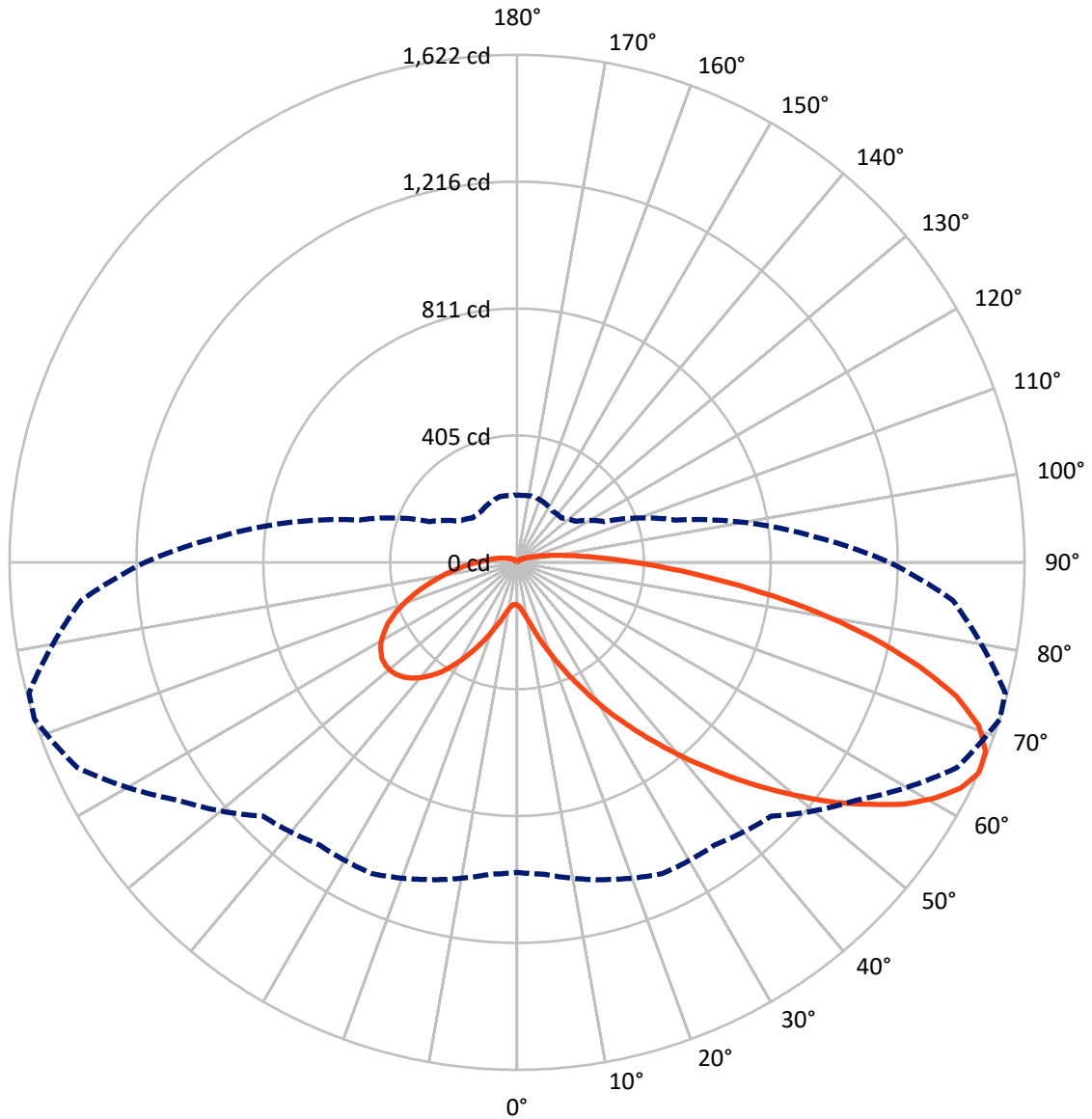
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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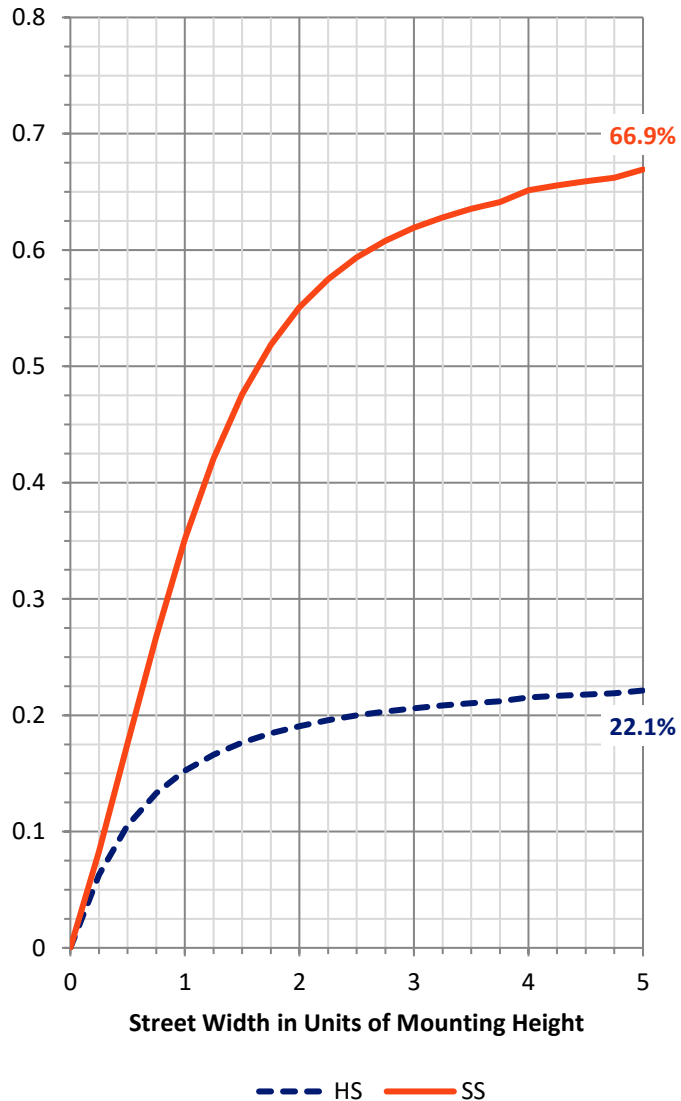
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.4	109.7	977.1
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2579.6	155.3	2734.8
	% Fixture	69.5	4.2	73.7
Total	Lumens	3447.0	265.0	3712.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.4
10°-20°	60.4	1.6
20°-30°	155.5	4.2
30°-40°	309.3	8.3
40°-50°	503.5	13.6
50°-60°	697.0	18.8
60°-70°	778.6	21.0
70°-80°	609.6	16.4
80°-90°	318.8	8.6
90°-100°	138.7	3.7
100°-110°	63.9	1.7
110°-120°	32.6	0.9
120°-130°	17.5	0.5
130°-140°	8.8	0.2
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3447.0	92.9
0°-180°	3712.0	100.0

Coefficient of Utilization



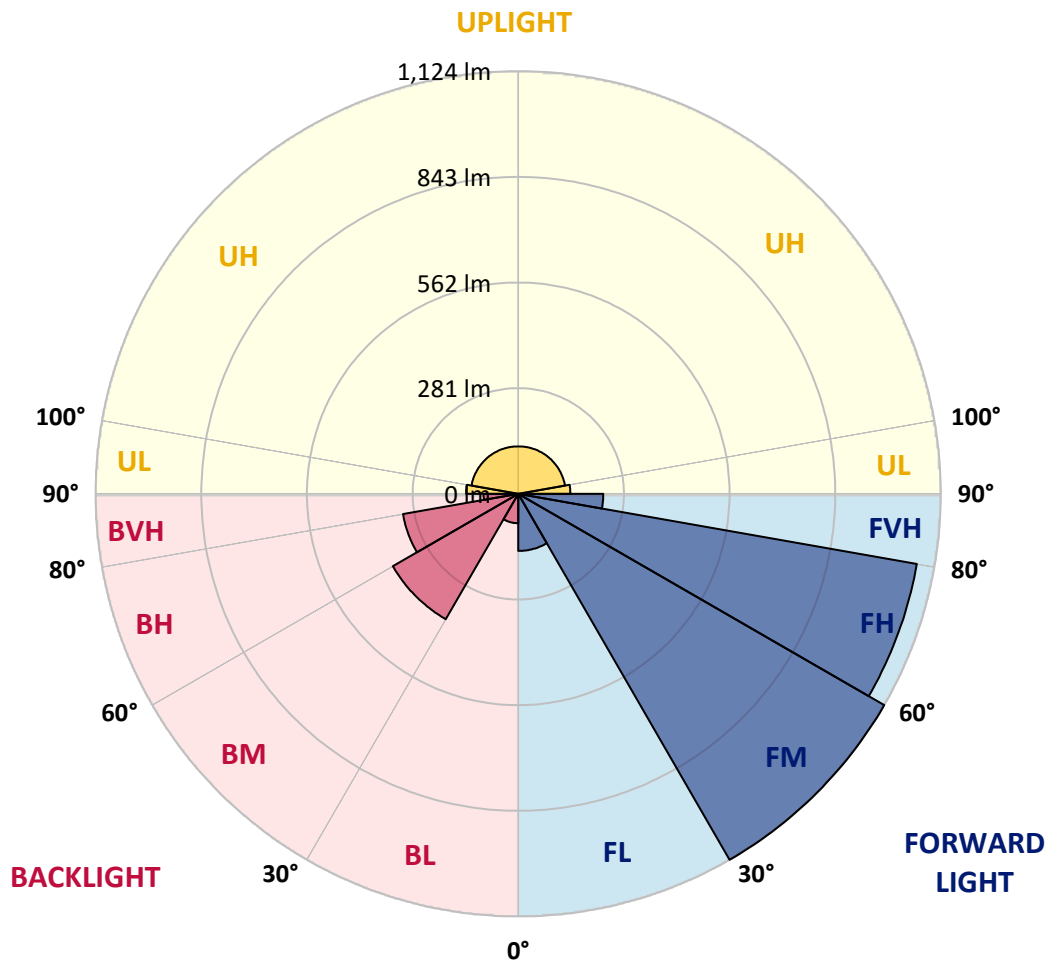
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.0	4.1			
FM	(30°-60°)	1124.4	30.3			
FH	(60°-80°)	1076.9	29.0			G1/1800
FVH	(80°-90°)	226.2	6.1			G3/500
BL	(0°-30°)	78.2	2.1	B0/110		
BM	(30°-60°)	385.3	10.4	B1/1000		
BH	(60°-80°)	311.3	8.4	B1/500		G1/500
BVH	(80°-90°)	92.6	2.5			G1/100
UL	(90°-100°)	138.7	3.7		U3/500	
UH	(100°-180°)	126.3	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
2.5°	148.4	149.8	149.8	148.4	148.4	147.1	145.7	142.9	141.6	141.6	138.8
5°	167.7	169.1	167.7	166.3	164.9	160.8	159.4	155.3	152.6	151.2	145.7
7.5°	192.4	192.4	191.1	188.3	185.6	182.8	175.9	170.4	166.3	163.6	156.7
10°	218.5	218.5	217.2	215.8	211.7	204.8	197.9	191.1	184.2	182.8	173.2
12.5°	254.3	251.5	248.8	244.7	240.5	233.7	224.0	215.8	208.9	207.5	196.6
15°	290.0	291.4	285.9	279.0	273.5	265.3	257.0	250.2	241.9	239.2	224.0
17.5°	331.3	332.6	328.5	323.0	313.4	305.1	294.1	284.5	279.0	273.5	255.7
20°	382.1	382.1	378.0	367.0	357.4	347.7	338.1	327.1	317.5	313.4	294.1
22.5°	435.7	434.3	428.8	415.1	402.7	390.4	382.1	371.1	364.2	358.7	336.8
25°	500.3	496.2	487.9	471.5	455.0	439.8	427.5	423.3	413.7	408.2	387.6
27.5°	563.5	566.3	552.5	530.6	507.2	492.1	481.1	475.6	468.7	466.0	439.8
30°	641.9	636.4	621.3	593.8	560.8	540.2	534.7	533.3	533.3	527.8	500.3
32.5°	714.7	709.2	692.7	659.8	619.9	593.8	589.7	593.8	596.5	595.2	560.8
35°	789.0	783.5	764.2	728.5	674.9	644.6	644.6	661.1	665.3	662.5	628.1
37.5°	859.1	856.3	837.1	789.0	738.1	701.0	706.5	732.6	739.5	738.1	694.1
40°	926.4	926.4	907.2	854.9	793.1	756.0	765.6	805.5	819.2	817.8	769.7
42.5°	995.1	992.4	974.5	923.7	852.2	810.9	828.8	878.3	900.3	903.0	845.3
45°	1054.2	1051.5	1037.7	981.4	909.9	867.3	893.4	960.8	989.6	988.3	919.5
47.5°	1105.1	1103.7	1094.1	1041.9	966.3	926.4	963.5	1046.0	1081.7	1081.7	1003.4
50°	1146.3	1147.7	1140.8	1098.2	1018.5	982.8	1033.6	1132.6	1176.6	1176.6	1083.1
52.5°	1172.4	1175.2	1177.9	1138.1	1068.0	1035.0	1101.0	1223.3	1275.5	1274.2	1164.2
55°	1180.7	1183.4	1197.2	1172.4	1107.8	1083.1	1168.3	1311.3	1364.9	1360.7	1238.4
57.5°	1166.9	1172.4	1195.8	1187.6	1135.3	1121.6	1224.7	1386.9	1458.3	1454.2	1307.1
60°	1132.6	1139.5	1172.4	1182.1	1146.3	1147.7	1276.9	1462.5	1531.2	1528.4	1360.7
62.5°	1072.1	1083.1	1125.7	1151.8	1136.7	1158.7	1311.3	1520.2	1590.3	1586.2	1392.4
65°	991.0	1000.6	1050.1	1098.2	1102.3	1147.7	1325.0	1551.8	1621.9	1615.0	1397.9
67.5°	894.8	890.7	953.9	1015.7	1040.5	1107.8	1307.1	1547.7	1615.0	1602.7	1363.5
70°	776.6	776.6	841.2	903.0	955.3	1046.0	1257.7	1503.7	1565.5	1547.7	1297.5
72.5°	637.8	652.9	709.2	782.1	846.7	956.6	1180.7	1417.1	1469.3	1448.7	1186.2
75°	522.3	534.7	584.2	657.0	731.2	853.6	1066.6	1292.0	1326.4	1305.8	1050.1
77.5°	419.2	424.7	478.3	540.2	617.1	728.5	930.5	1135.3	1160.1	1138.1	896.2
80°	323.0	336.8	373.9	433.0	507.2	615.8	789.0	952.5	975.9	951.1	732.6
82.5°	254.3	258.4	292.8	349.1	412.3	504.4	648.8	773.8	784.8	756.0	591.0
85°	196.6	199.3	228.2	276.3	331.3	405.5	518.2	608.9	611.6	595.2	461.8
87.5°	149.8	155.3	181.4	219.9	266.7	331.3	408.2	471.5	467.3	455.0	360.1
90°	118.2	121.0	140.2	174.6	213.0	261.2	318.9	360.1	351.9	346.4	272.1
92.5°	93.5	94.8	115.5	141.6	173.2	211.7	250.2	277.6	266.7	262.5	207.5
95°	74.2	77.0	92.1	115.5	141.6	170.4	196.6	210.3	203.4	196.6	160.8
97.5°	60.5	61.9	75.6	94.8	116.8	138.8	156.7	162.2	155.3	152.6	125.1
100°	50.9	50.9	63.2	79.7	96.2	114.1	125.1	127.8	122.3	115.5	96.2
102.5°	42.6	42.6	52.2	67.4	82.5	94.8	101.7	101.7	94.8	90.7	77.0
105°	35.7	37.1	44.0	57.7	70.1	79.7	85.2	81.1	75.6	72.8	61.9
107.5°	31.6	31.6	38.5	49.5	60.5	67.4	70.1	66.0	60.5	56.4	49.5
110°	28.9	28.9	33.0	42.6	52.2	59.1	59.1	55.0	48.1	45.4	41.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	24.7	26.1	28.9	37.1	45.4	50.9	50.9	45.4	39.9	37.1	34.4
115°	23.4	23.4	26.1	33.0	39.9	44.0	44.0	38.5	33.0	31.6	28.9
117.5°	20.6	20.6	23.4	28.9	34.4	38.5	37.1	33.0	27.5	26.1	24.7
120°	19.2	19.2	20.6	24.7	30.2	33.0	31.6	27.5	23.4	22.0	22.0
122.5°	17.9	17.9	19.2	22.0	27.5	28.9	27.5	23.4	20.6	19.2	20.6
125°	16.5	16.5	17.9	20.6	23.4	24.7	23.4	19.2	17.9	17.9	17.9
127.5°	16.5	16.5	16.5	17.9	20.6	22.0	20.6	16.5	15.1	15.1	16.5
130°	15.1	15.1	15.1	16.5	17.9	19.2	16.5	13.7	13.7	13.7	13.7
132.5°	13.7	13.7	13.7	13.7	15.1	15.1	13.7	12.4	12.4	12.4	12.4
135°	12.4	12.4	12.4	12.4	12.4	12.4	11.0	9.6	11.0	11.0	11.0
137.5°	11.0	11.0	11.0	11.0	11.0	9.6	9.6	8.2	9.6	9.6	9.6
140°	9.6	9.6	9.6	9.6	8.2	8.2	6.9	6.9	6.9	8.2	8.2
142.5°	8.2	8.2	8.2	8.2	6.9	5.5	5.5	5.5	6.9	6.9	6.9
145°	6.9	6.9	6.9	5.5	5.5	4.1	4.1	4.1	5.5	5.5	5.5
147.5°	5.5	5.5	5.5	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1
150°	4.1	4.1	4.1	2.7	2.7	1.4	1.4	2.7	2.7	2.7	2.7
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
2.5°	137.4	137.4	134.7	133.3	132.0	130.6	129.2	127.8	127.8	127.8	127.8
5°	144.3	140.2	136.1	132.0	127.8	125.1	121.0	119.6	118.2	116.8	116.8
7.5°	152.6	149.8	141.6	134.7	127.8	122.3	118.2	114.1	111.3	110.0	110.0
10°	167.7	162.2	152.6	141.6	132.0	123.7	116.8	111.3	108.6	107.2	107.2
12.5°	189.7	181.4	167.7	152.6	138.8	127.8	119.6	112.7	108.6	108.6	107.2
15°	215.8	206.2	188.3	169.1	149.8	134.7	125.1	119.6	115.5	114.1	114.1
17.5°	246.0	236.4	213.0	186.9	166.3	147.1	134.7	127.8	123.7	121.0	121.0
20°	283.1	269.4	239.2	208.9	181.4	163.6	145.7	137.4	132.0	129.2	127.8
22.5°	323.0	307.9	270.8	232.3	200.7	177.3	158.1	145.7	138.8	137.4	136.1
25°	371.1	349.1	303.8	257.0	219.9	191.1	169.1	153.9	148.4	145.7	145.7
27.5°	422.0	395.9	339.5	283.1	237.8	202.1	177.3	162.2	156.7	155.3	153.9
30°	475.6	445.3	376.6	312.0	254.3	213.0	186.9	171.8	164.9	163.6	163.6
32.5°	534.7	498.9	413.7	334.0	266.7	219.9	192.4	178.7	171.8	171.8	171.8
35°	592.4	551.2	452.2	357.4	277.6	225.4	197.9	185.6	178.7	180.1	180.1
37.5°	654.3	608.9	485.2	373.9	285.9	229.5	200.7	191.1	186.9	186.9	186.9
40°	721.6	657.0	515.4	386.2	288.6	230.9	203.4	195.2	192.4	192.4	193.8
42.5°	786.2	713.4	541.5	395.9	290.0	230.9	204.8	199.3	197.9	197.9	197.9
45°	850.8	762.8	564.9	398.6	288.6	229.5	206.2	202.1	202.1	202.1	202.1
47.5°	920.9	812.3	581.4	397.2	284.5	226.8	206.2	203.4	206.2	204.8	204.8
50°	982.8	859.1	592.4	393.1	279.0	224.0	204.8	206.2	208.9	207.5	207.5
52.5°	1047.4	900.3	597.9	383.5	270.8	219.9	204.8	207.5	210.3	208.9	208.9
55°	1105.1	936.0	597.9	372.5	263.9	217.2	204.8	208.9	213.0	211.7	211.7
57.5°	1151.8	960.8	588.3	357.4	254.3	213.0	203.4	208.9	214.4	213.0	213.0
60°	1187.6	974.5	574.5	342.2	246.0	208.9	202.1	208.9	215.8	213.0	214.4
62.5°	1202.7	973.1	549.8	324.4	237.8	204.8	200.7	208.9	215.8	214.4	214.4
65°	1188.9	949.8	522.3	307.9	228.2	200.7	199.3	208.9	217.2	214.4	214.4
67.5°	1149.1	904.4	486.6	287.3	218.5	196.6	196.6	207.5	215.8	213.0	213.0
70°	1076.2	838.4	445.3	269.4	208.9	191.1	192.4	203.4	211.7	211.7	210.3
72.5°	978.6	753.2	400.0	248.8	199.3	184.2	186.9	199.3	206.2	206.2	204.8
75°	864.6	654.3	354.6	229.5	188.3	177.3	180.1	191.1	199.3	197.9	196.6
77.5°	728.5	553.9	310.6	208.9	175.9	167.7	171.8	182.8	189.7	186.9	185.6
80°	603.4	466.0	270.8	188.3	163.6	158.1	162.2	170.4	175.9	174.6	173.2
82.5°	482.4	376.6	229.5	169.1	151.2	147.1	151.2	158.1	162.2	160.8	158.1
85°	375.2	305.1	196.6	149.8	137.4	134.7	138.8	144.3	147.1	144.3	142.9
87.5°	295.5	239.2	163.6	132.0	123.7	122.3	125.1	130.6	133.3	130.6	126.5
90°	230.9	192.4	138.8	116.8	111.3	111.3	112.7	116.8	116.8	114.1	112.7
92.5°	180.1	153.9	116.8	101.7	99.0	99.0	101.7	103.1	103.1	99.0	97.6
95°	141.6	123.7	99.0	89.3	88.0	88.0	90.7	90.7	89.3	85.2	83.8
97.5°	111.3	100.3	85.2	78.3	77.0	78.3	79.7	79.7	77.0	72.8	71.5
100°	89.3	82.5	71.5	68.7	68.7	70.1	70.1	68.7	66.0	61.9	61.9
102.5°	72.8	67.4	61.9	60.5	60.5	61.9	61.9	60.5	57.7	52.2	52.2
105°	59.1	55.0	52.2	52.2	53.6	53.6	53.6	52.2	48.1	44.0	44.0
107.5°	48.1	46.7	45.4	45.4	46.7	48.1	48.1	45.4	41.2	38.5	38.5
110°	39.9	39.9	39.9	39.9	41.2	42.6	42.6	39.9	35.7	33.0	33.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	34.4	33.0	34.4	35.7	37.1	38.5	37.1	34.4	30.2	28.9	28.9
115°	28.9	28.9	30.2	31.6	33.0	33.0	33.0	30.2	26.1	24.7	24.7
117.5°	26.1	26.1	26.1	27.5	28.9	30.2	28.9	26.1	22.0	22.0	22.0
120°	22.0	22.0	23.4	24.7	26.1	26.1	24.7	22.0	19.2	19.2	19.2
122.5°	20.6	20.6	20.6	22.0	23.4	23.4	22.0	19.2	16.5	17.9	17.9
125°	17.9	17.9	17.9	19.2	20.6	20.6	19.2	16.5	15.1	15.1	15.1
127.5°	16.5	16.5	16.5	16.5	17.9	17.9	16.5	15.1	13.7	13.7	13.7
130°	15.1	15.1	15.1	15.1	15.1	15.1	13.7	12.4	12.4	12.4	12.4
132.5°	12.4	12.4	12.4	12.4	13.7	13.7	12.4	11.0	11.0	11.0	11.0
135°	11.0	11.0	11.0	11.0	11.0	11.0	9.6	9.6	9.6	9.6	9.6
137.5°	9.6	9.6	9.6	9.6	9.6	9.6	8.2	8.2	8.2	8.2	8.2
140°	8.2	8.2	8.2	8.2	8.2	6.9	6.9	6.9	6.9	8.2	8.2
142.5°	6.9	6.9	6.9	6.9	5.5	5.5	5.5	5.5	6.9	6.9	6.9
145°	5.5	5.5	5.5	5.5	4.1	4.1	4.1	5.5	5.5	5.5	5.5
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	5.5	5.5
150°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	4.1
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)