

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: P695237

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3547 lumens
Efficiency: N/A
Efficacy: 88.2 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 - G2

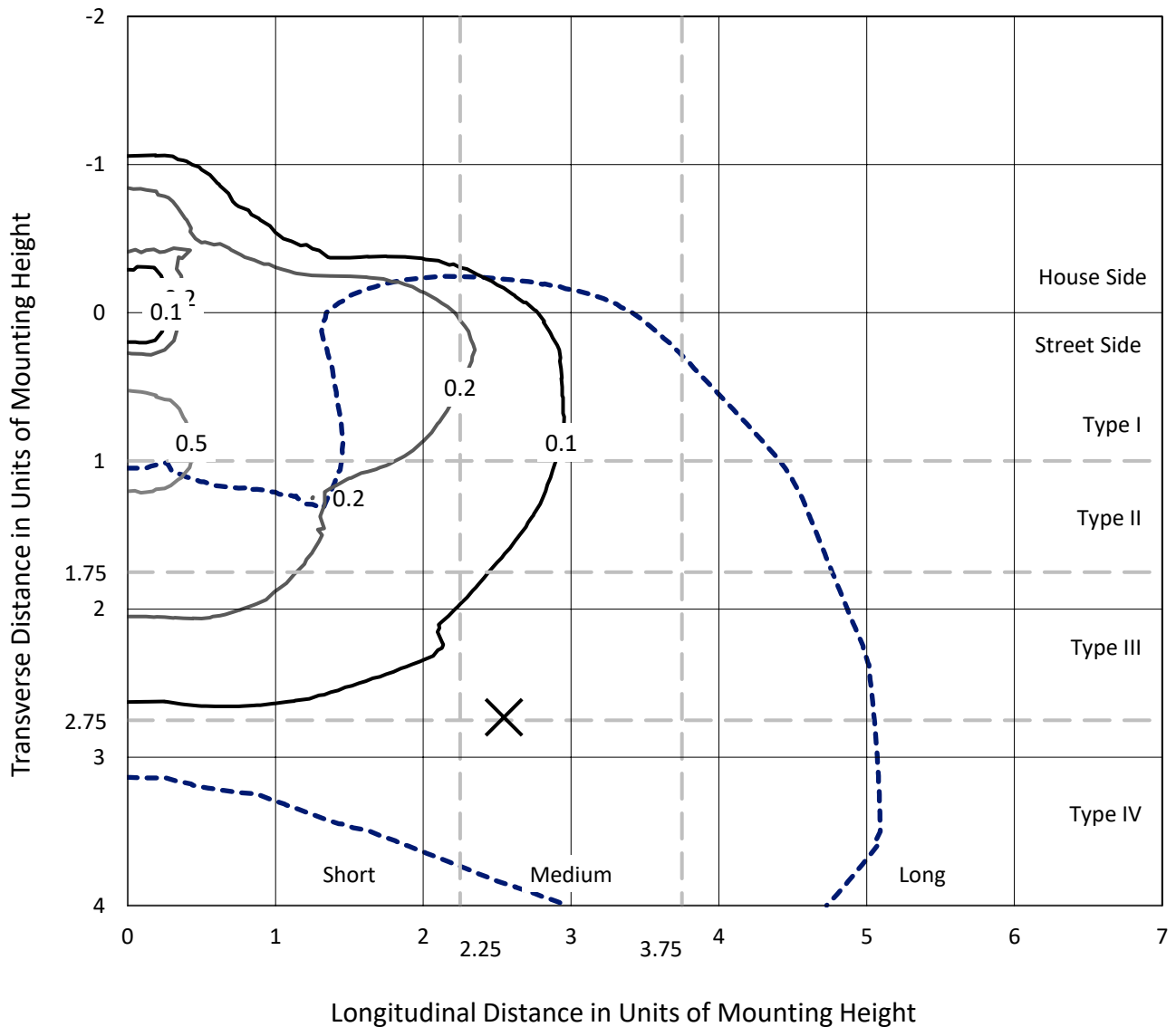
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

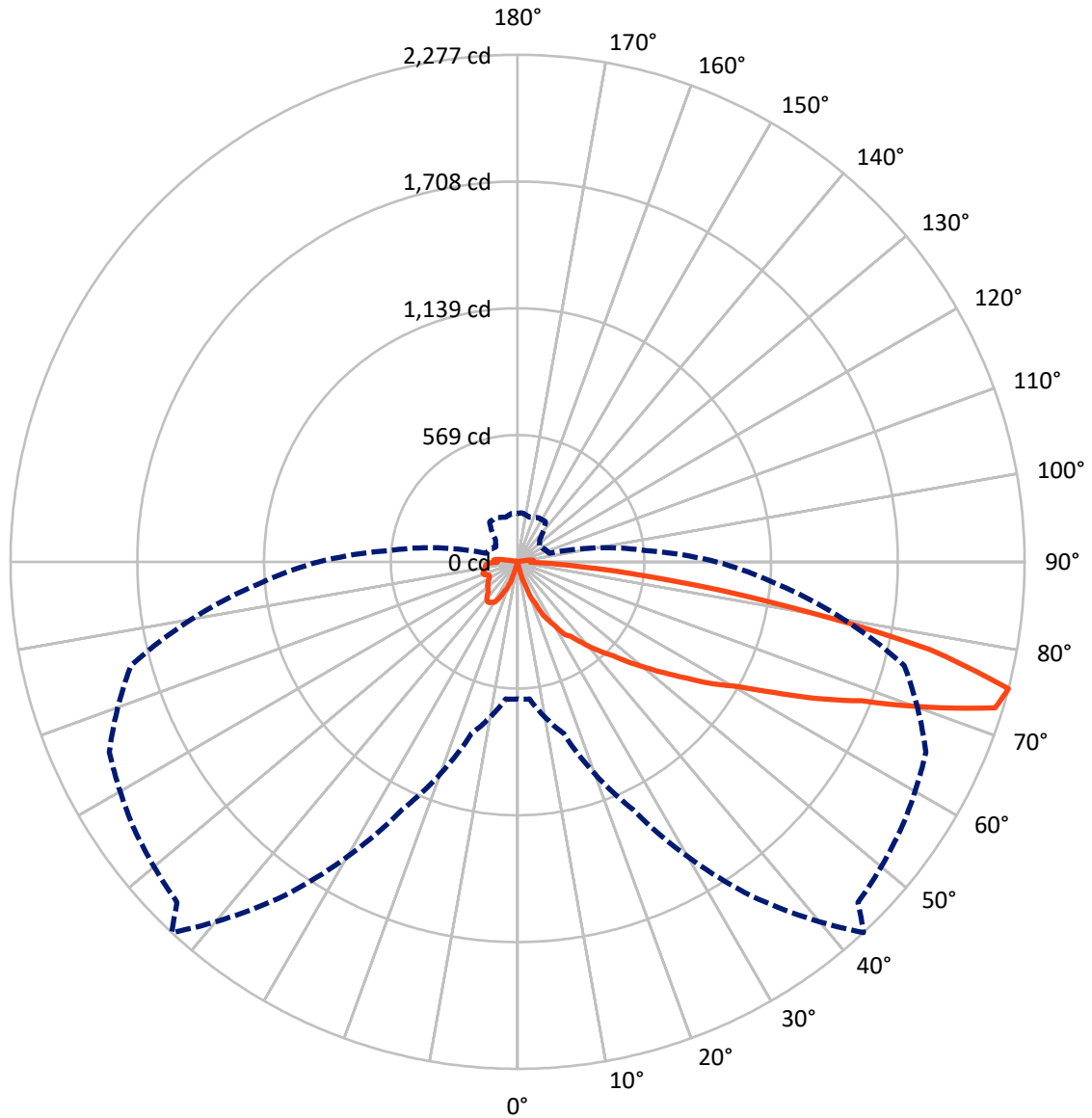
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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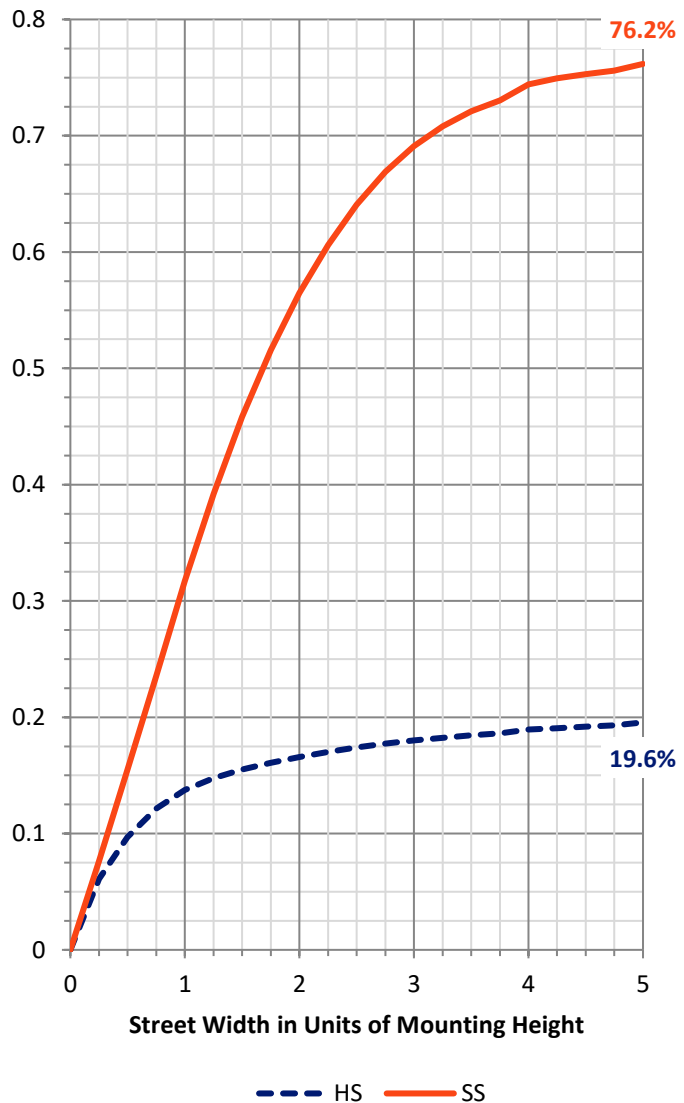
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.0	49.8	788.8
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	2722.1	36.1	2758.2
	% Fixture	76.7	1.0	77.8
Total	Lumens	3461.1	85.9	3547.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	21.0	0.6
20°-30°	115.2	3.2
30°-40°	269.7	7.6
40°-50°	408.6	11.5
50°-60°	635.5	17.9
60°-70°	957.3	27.0
70°-80°	861.4	24.3
80°-90°	192.0	5.4
90°-100°	66.0	1.9
100°-110°	10.8	0.3
110°-120°	3.5	0.1
120°-130°	2.6	0.1
130°-140°	1.6	0.0
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3461.1	97.6
0°-180°	3547.0	100.0

Coefficient of Utilization

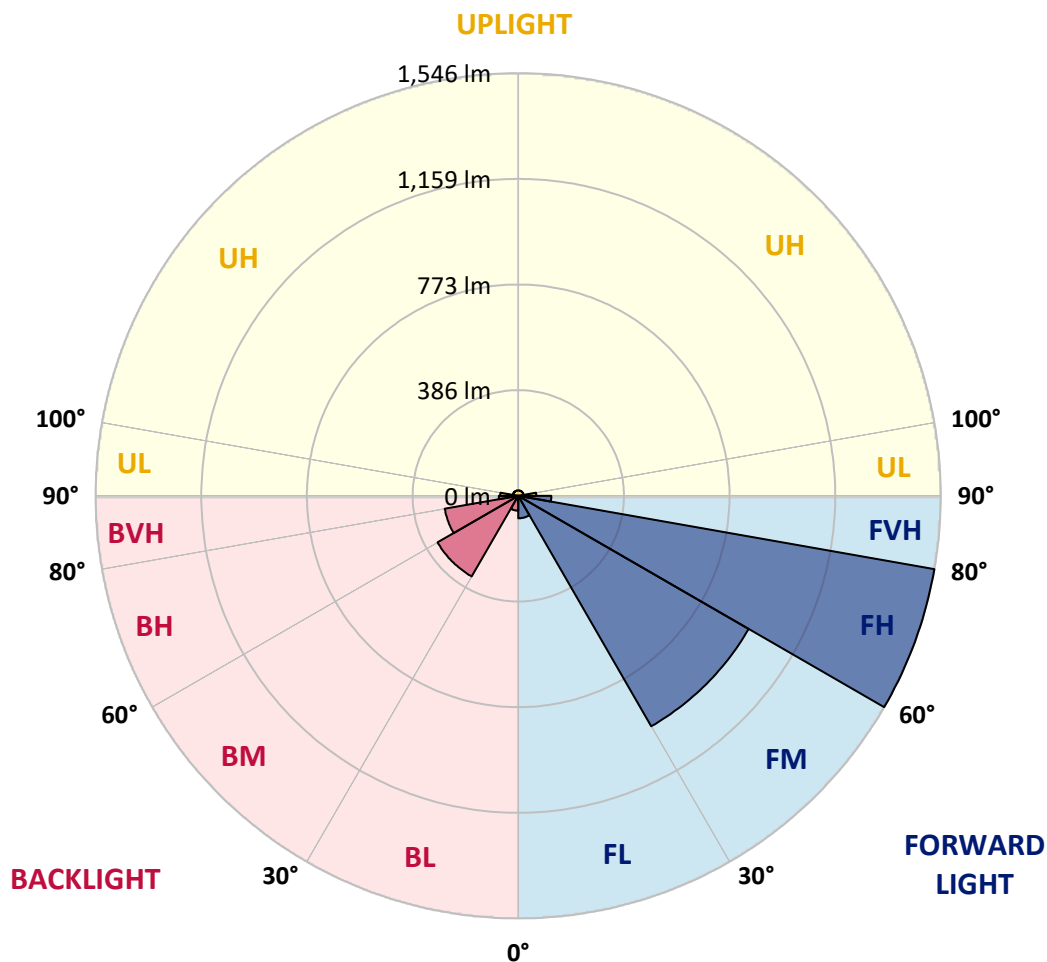


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.2	2.3			
FM (30°-60°)	973.2	27.4			
FH (60°-80°)	1545.8	43.6			G1/1800
FVH (80°-90°)	120.9	3.4			G2/225
BL (0°-30°)	54.4	1.5	B0/110		
BM (30°-60°)	340.6	9.6	B1/1000		
BH (60°-80°)	273.0	7.7	B1/500		G1/500
BVH (80°-90°)	71.1	2.0			G1/100
UL (90°-100°)	66.0	1.9		U3/500	
UH (100°-180°)	19.8	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
7.5°	3.7	3.7	2.5	2.5	3.7	2.5	2.5	2.5	2.5	2.5	2.5
10°	24.6	24.6	22.2	13.6	6.2	3.7	3.7	3.7	2.5	3.7	3.7
12.5°	102.3	102.3	94.9	88.7	27.1	16.0	11.1	6.2	11.1	16.0	20.9
15°	122.0	122.0	117.1	106.0	98.6	77.6	50.5	29.6	80.1	85.0	83.8
17.5°	221.8	191.0	151.6	131.8	110.9	101.0	113.4	92.4	101.0	103.5	102.3
20°	260.0	255.1	244.0	231.6	140.5	171.3	158.9	157.7	123.2	158.9	187.3
22.5°	280.9	280.9	262.5	246.4	250.1	197.1	186.1	178.7	205.8	224.3	223.0
25°	390.6	390.6	374.6	272.3	263.7	262.5	242.7	257.5	258.8	257.5	260.0
27.5°	414.0	410.3	395.5	362.3	293.3	299.4	304.3	287.1	319.1	373.3	369.6
30°	591.4	570.5	463.3	389.4	366.0	335.1	324.1	348.7	382.0	395.5	398.0
32.5°	686.3	678.9	629.6	518.7	405.4	390.6	369.6	389.4	396.8	486.7	523.7
35°	792.3	778.7	735.6	586.5	490.4	411.5	402.9	391.8	469.5	510.1	545.8
37.5°	872.4	871.1	832.9	667.8	544.6	453.4	425.1	436.2	485.5	534.8	568.0
40°	941.4	936.4	919.2	743.0	590.2	502.7	453.4	462.1	508.9	558.2	596.4
42.5°	1014.1	1010.4	1011.6	805.8	648.1	552.0	492.9	486.7	537.2	596.4	639.5
45°	1097.9	1095.4	1091.7	899.5	713.4	602.5	543.4	526.1	593.9	644.4	696.2
47.5°	1133.6	1128.7	1154.5	979.6	786.1	672.8	598.8	577.9	656.7	715.9	787.4
50°	1179.2	1174.2	1190.3	1060.9	872.4	746.7	672.8	640.7	733.1	814.5	906.9
52.5°	1265.4	1309.8	1246.9	1149.6	991.9	829.2	746.7	722.0	835.4	946.3	1102.8
55°	1368.9	1359.1	1325.8	1251.9	1101.6	922.9	828.0	814.5	972.2	1112.6	1304.9
57.5°	1388.6	1377.6	1404.7	1356.6	1228.5	1033.8	921.7	927.8	1110.2	1286.4	1531.6
60°	1434.2	1426.8	1477.4	1503.2	1359.1	1136.1	1019.0	1078.1	1251.9	1463.8	1750.9
62.5°	1482.3	1490.9	1566.1	1604.3	1446.6	1291.3	1152.1	1249.4	1468.7	1656.0	1945.6
65°	1474.9	1487.2	1642.5	1662.2	1553.8	1479.8	1317.2	1444.1	1668.3	1854.4	2087.3
67.5°	1437.9	1450.3	1661.0	1741.0	1700.4	1667.1	1505.7	1654.8	1853.2	1988.7	2131.6
70°	1361.5	1362.8	1571.0	1803.9	1880.3	1955.4	1764.5	1861.8	2034.3	2105.8	2022.0
72.5°	1101.6	1110.2	1306.1	1680.7	2012.1	2242.5	2057.7	2055.2	2131.6	2071.3	1663.4
75°	616.1	618.5	798.4	1228.5	1832.2	2277.0	2162.4	2099.6	2023.2	1797.7	1175.5
77.5°	187.3	209.5	279.7	624.7	1282.7	1892.6	1861.8	1847.0	1691.8	1267.9	639.5
80°	94.9	98.6	125.7	215.6	662.9	1253.1	1280.2	1325.8	1054.7	547.1	297.0
82.5°	54.2	56.7	76.4	114.6	282.2	699.9	768.9	724.5	453.4	257.5	205.8
85°	27.1	27.1	35.7	53.0	131.8	277.2	321.6	260.0	195.9	170.0	166.3
87.5°	14.8	14.8	12.3	16.0	40.7	61.6	71.5	97.3	104.7	107.2	141.7
90°	16.0	16.0	12.3	13.6	29.6	55.4	78.9	94.9	97.3	102.3	144.2
92.5°	16.0	16.0	12.3	12.3	27.1	65.3	89.9	103.5	101.0	109.7	147.9
95°	16.0	14.8	11.1	12.3	23.4	70.2	85.0	109.7	97.3	98.6	123.2
97.5°	9.9	9.9	7.4	9.9	17.3	54.2	59.1	78.9	66.5	44.4	57.9
100°	7.4	7.4	4.9	7.4	9.9	25.9	24.6	38.2	29.6	9.9	14.8
102.5°	7.4	8.6	4.9	4.9	6.2	7.4	8.6	12.3	12.3	7.4	9.9
105°	8.6	8.6	3.7	3.7	3.7	3.7	4.9	4.9	4.9	6.2	9.9
107.5°	7.4	7.4	3.7	2.5	2.5	3.7	3.7	2.5	3.7	4.9	11.1
110°	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	3.7	4.9	8.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.5	3.7	1.2	2.5	1.2	2.5	2.5	2.5	2.5	3.7	4.9
115°	3.7	2.5	1.2	1.2	1.2	2.5	2.5	2.5	2.5	3.7	4.9
117.5°	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	6.2
120°	3.7	3.7	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	4.9
122.5°	3.7	3.7	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	4.9
125°	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	4.9
127.5°	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	4.9
130°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	4.9
132.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
142.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
145°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	2.5
150°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	2.5	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
5°	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	2.5
7.5°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	2.5	2.5	2.5
10°	3.7	3.7	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5
12.5°	22.2	20.9	14.8	8.6	3.7	2.5	2.5	2.5	3.7	4.9	4.9
15°	85.0	82.6	80.1	72.7	20.9	4.9	3.7	11.1	43.1	60.4	70.2
17.5°	99.8	98.6	96.1	91.2	83.8	28.3	37.0	78.9	93.6	96.1	98.6
20°	183.6	179.9	139.2	104.7	96.1	101.0	88.7	98.6	103.5	107.2	110.9
22.5°	218.1	214.4	203.3	186.1	114.6	133.1	128.1	113.4	172.5	186.1	188.5
25°	255.1	248.9	225.5	207.0	191.0	147.9	158.9	179.9	194.7	204.5	204.5
27.5°	363.5	351.2	321.6	227.9	211.9	181.1	194.7	191.0	215.6	264.9	268.6
30°	393.1	379.5	337.6	282.2	225.5	209.5	200.8	246.4	278.5	289.6	293.3
32.5°	523.7	511.3	437.4	290.8	247.7	209.5	232.9	256.3	278.5	330.2	335.1
35°	549.5	529.8	453.4	335.1	246.4	219.3	234.1	261.2	322.8	346.2	351.2
37.5°	575.4	555.7	452.2	321.6	262.5	223.0	229.2	267.4	300.6	316.7	320.4
40°	611.2	581.6	443.6	299.4	250.1	214.4	226.7	251.4	271.1	276.0	279.7
42.5°	658.0	617.3	433.7	277.2	231.6	200.8	211.9	230.4	242.7	235.3	235.3
45°	723.3	660.4	415.2	255.1	214.4	186.1	199.6	213.2	219.3	205.8	202.1
47.5°	804.6	712.2	395.5	234.1	203.3	177.4	192.2	203.3	203.3	184.8	182.4
50°	903.2	776.3	369.6	216.9	191.0	172.5	184.8	194.7	188.5	170.0	168.8
52.5°	1053.5	873.6	345.0	202.1	179.9	167.6	183.6	182.4	173.7	157.7	156.5
55°	1239.6	1000.5	322.8	191.0	172.5	158.9	179.9	175.0	165.1	150.3	150.3
57.5°	1424.4	1139.7	299.4	183.6	163.9	151.6	173.7	171.3	160.2	145.4	144.2
60°	1605.5	1267.9	264.9	177.4	152.8	144.2	166.3	172.5	157.7	142.9	142.9
62.5°	1752.1	1329.5	226.7	167.6	141.7	139.2	162.6	177.4	170.0	163.9	163.9
65°	1800.2	1292.5	197.1	160.2	134.3	135.5	163.9	195.9	198.4	205.8	207.0
67.5°	1766.9	1187.8	177.4	154.0	129.4	141.7	187.3	220.6	214.4	219.3	221.8
70°	1622.8	1033.8	166.3	146.6	129.4	151.6	205.8	220.6	211.9	226.7	227.9
72.5°	1317.2	836.6	156.5	140.5	124.4	150.3	216.9	218.1	211.9	229.2	226.7
75°	893.3	576.7	147.9	133.1	118.3	139.2	219.3	218.1	207.0	220.6	216.9
77.5°	451.0	293.3	136.8	124.4	109.7	133.1	216.9	219.3	204.5	215.6	211.9
80°	229.2	188.5	122.0	114.6	99.8	130.6	211.9	216.9	195.9	205.8	204.5
82.5°	176.2	147.9	102.3	99.8	91.2	128.1	204.5	209.5	186.1	193.4	188.5
85°	144.2	117.1	75.2	77.6	82.6	129.4	203.3	207.0	179.9	176.2	173.7
87.5°	122.0	89.9	37.0	39.4	60.4	115.8	173.7	171.3	140.5	139.2	141.7
90°	122.0	82.6	24.6	24.6	49.3	82.6	114.6	103.5	97.3	103.5	102.3
92.5°	120.8	75.2	25.9	25.9	55.4	91.2	129.4	107.2	99.8	102.3	101.0
95°	99.8	61.6	29.6	28.3	48.1	101.0	134.3	109.7	102.3	98.6	98.6
97.5°	50.5	34.5	28.3	28.3	38.2	82.6	107.2	86.3	65.3	54.2	57.9
100°	12.3	13.6	27.1	27.1	23.4	41.9	59.1	53.0	27.1	13.6	12.3
102.5°	9.9	8.6	20.9	23.4	14.8	14.8	27.1	30.8	20.9	6.2	6.2
105°	9.9	8.6	9.9	12.3	7.4	6.2	9.9	17.3	9.9	6.2	6.2
107.5°	11.1	9.9	4.9	4.9	4.9	4.9	4.9	6.2	4.9	6.2	6.2
110°	9.9	8.6	4.9	4.9	3.7	4.9	3.7	4.9	4.9	6.2	6.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.2	6.2	3.7	3.7	3.7	3.7	3.7	3.7	4.9	6.2	6.2
115°	6.2	6.2	3.7	3.7	2.5	3.7	3.7	3.7	4.9	7.4	7.4
117.5°	6.2	4.9	3.7	2.5	2.5	2.5	2.5	3.7	4.9	7.4	7.4
120°	6.2	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
122.5°	6.2	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
125°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	3.7	7.4	7.4
127.5°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	3.7	6.2	7.4
130°	4.9	4.9	2.5	2.5	1.2	1.2	2.5	2.5	3.7	6.2	6.2
132.5°	3.7	3.7	2.5	1.2	1.2	1.2	2.5	2.5	3.7	6.2	6.2
135°	3.7	2.5	2.5	1.2	1.2	1.2	1.2	2.5	3.7	4.9	4.9
137.5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
140°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
142.5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
145°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
147.5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
150°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	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)