

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: P694886

Luminaire Tested: **LXF.LXT-PA16-30-750-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3425 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

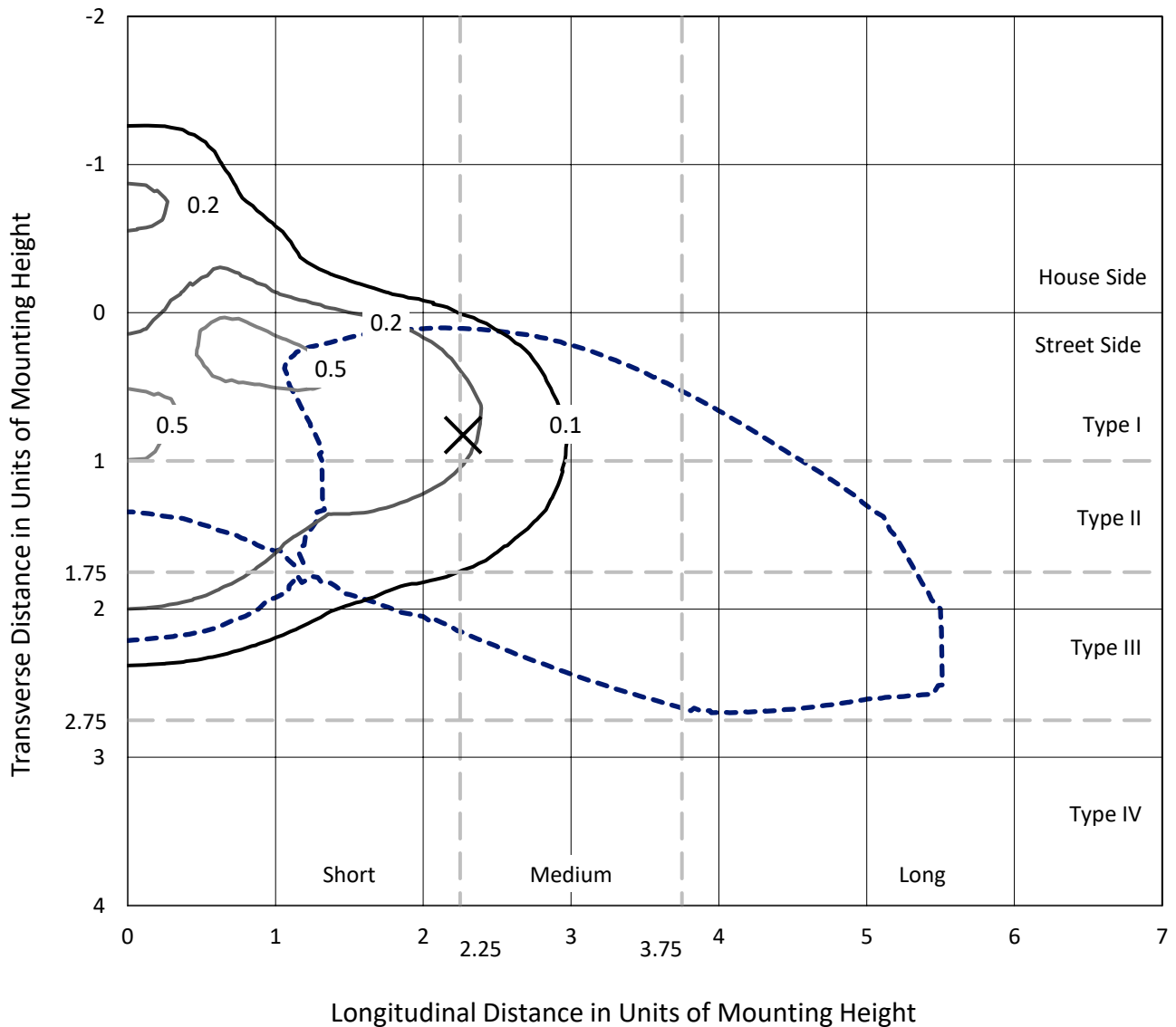
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

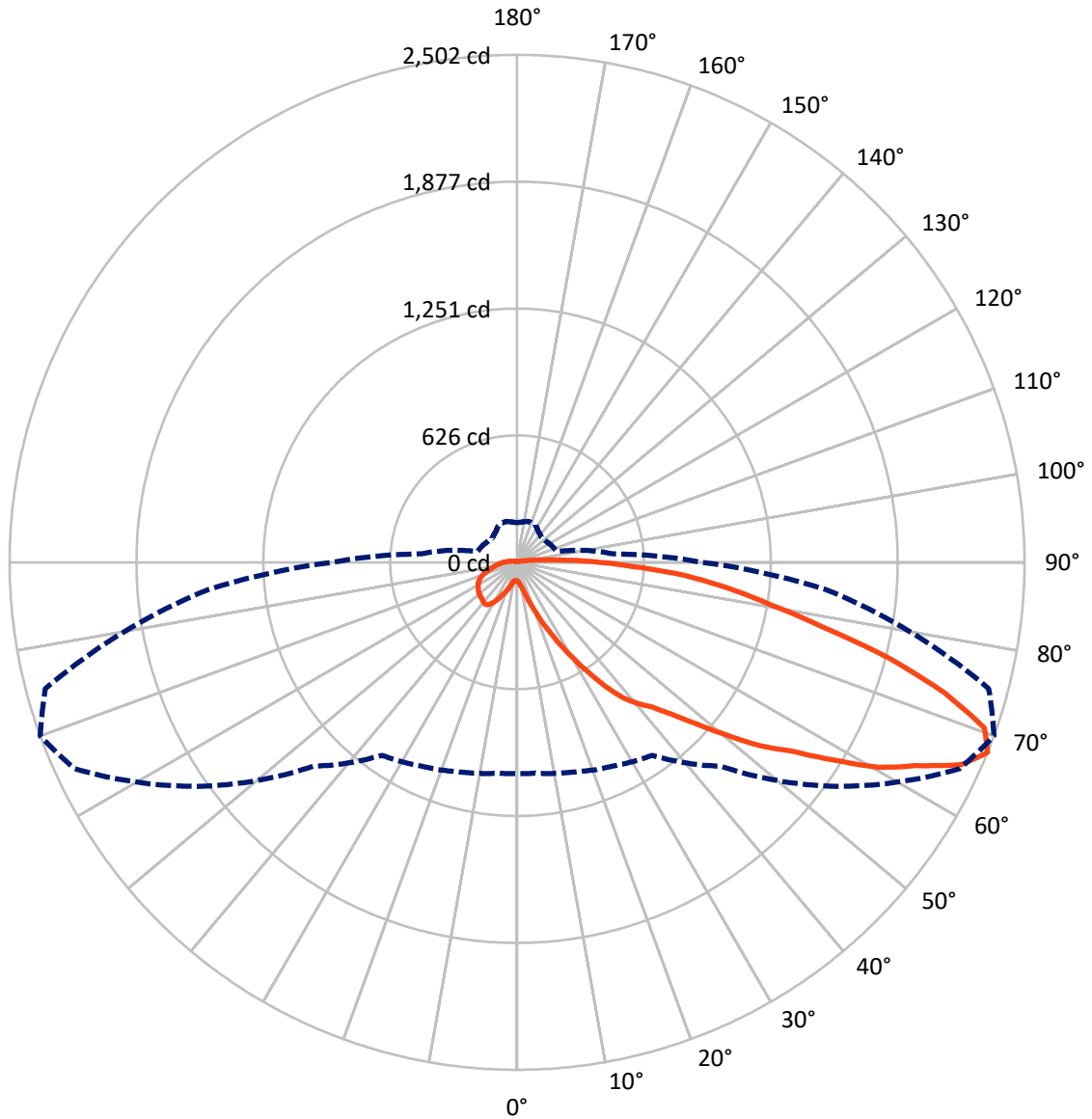
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - 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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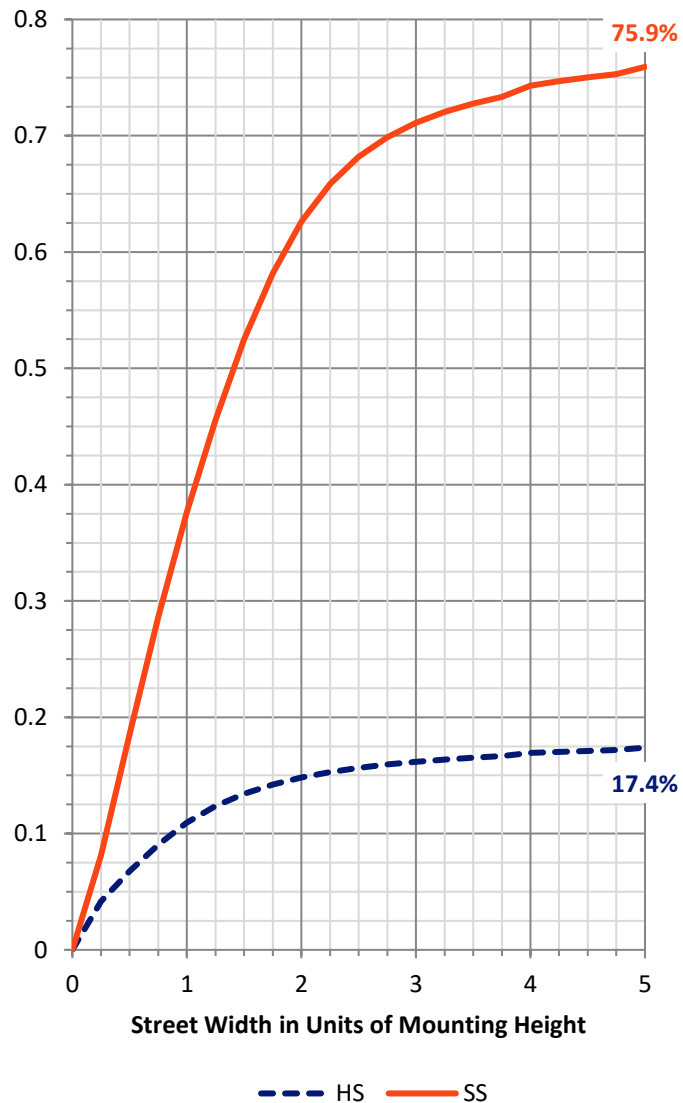
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	625.6	55.9	681.5
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	2672.1	71.4	2743.5
	% Fixture	78.0	2.1	80.1
Total	Lumens	3297.7	127.3	3425.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.3
10°-20°	41.8	1.2
20°-30°	123.5	3.6
30°-40°	270.0	7.9
40°-50°	424.9	12.4
50°-60°	657.1	19.2
60°-70°	878.2	25.6
70°-80°	621.4	18.1
80°-90°	271.4	7.9
90°-100°	76.4	2.2
100°-110°	24.5	0.7
110°-120°	11.9	0.3
120°-130°	7.4	0.2
130°-140°	4.8	0.1
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3297.7	96.3
0°-180°	3425.0	100.0

Coefficient of Utilization

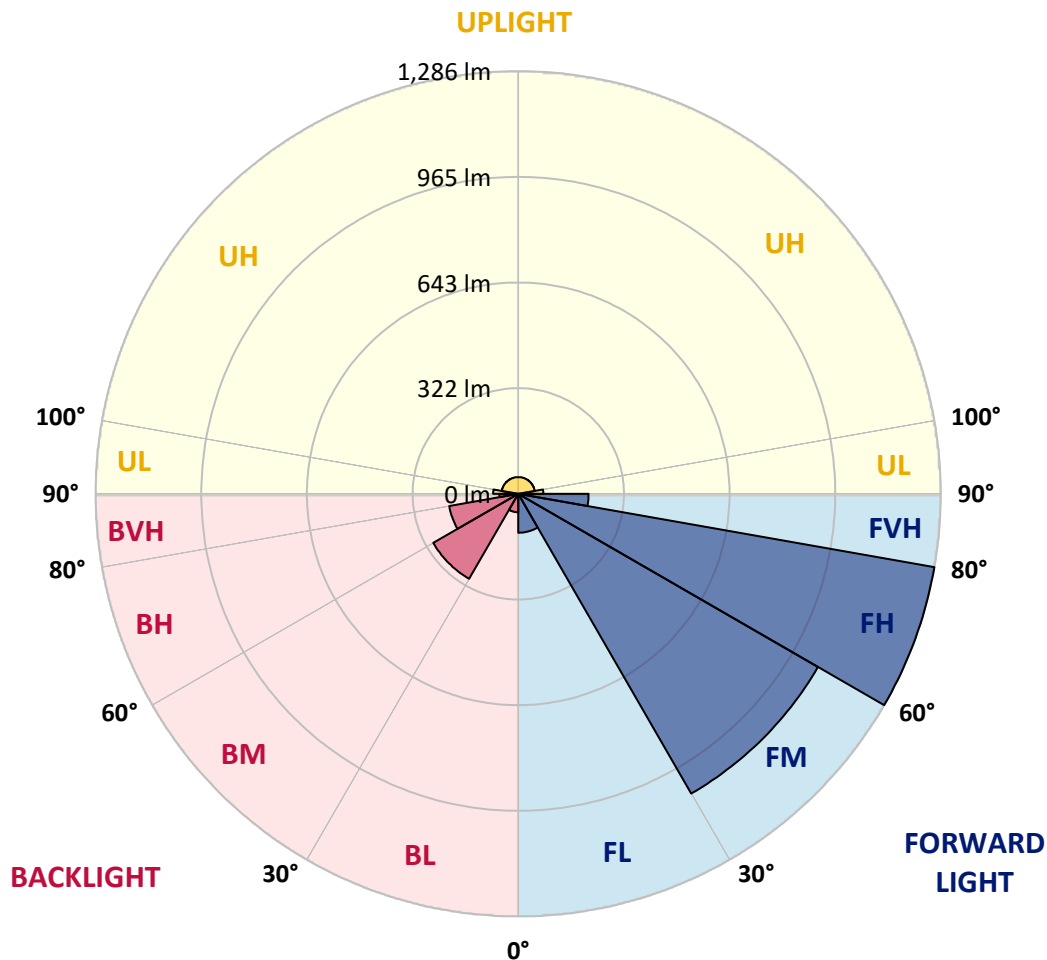


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.5	3.5			
FM (30°-60°)	1053.3	30.8			
FH (60°-80°)	1286.2	37.6			G1/1800
FVH (80°-90°)	214.1	6.2			G2/225
BL (0°-30°)	56.2	1.6	B0/110		
BM (30°-60°)	298.7	8.7	B1/1000		
BH (60°-80°)	213.4	6.2	B1/500		G1/500
BVH (80°-90°)	57.3	1.7			G1/100
UL (90°-100°)	76.4	2.2		U3/500	
UH (100°-180°)	51.0	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	98.4	98.4	99.7	98.4	98.4	98.4	97.1	95.8	94.5	94.5	93.2
5°	108.7	108.7	108.7	108.7	107.4	106.1	104.8	102.3	101.0	99.7	97.1
7.5°	121.7	121.7	121.7	121.7	120.4	119.1	115.2	111.3	110.0	108.7	103.6
10°	141.1	141.1	141.1	138.5	137.2	134.6	130.7	126.9	124.3	121.7	113.9
12.5°	167.0	165.7	165.7	163.1	157.9	152.7	151.4	147.6	145.0	142.4	133.3
15°	199.3	199.3	199.3	192.9	187.7	182.5	181.2	177.3	177.3	173.5	161.8
17.5°	235.6	235.6	230.4	223.9	220.1	217.5	218.8	217.5	216.2	211.0	195.5
20°	275.7	274.4	267.9	258.9	253.7	256.3	260.2	264.1	262.8	256.3	234.3
22.5°	327.5	324.9	313.3	300.3	288.7	292.5	305.5	318.4	322.3	312.0	284.8
25°	383.2	383.2	366.3	346.9	332.7	331.4	349.5	385.7	388.3	387.0	348.2
27.5°	456.9	453.1	429.8	401.3	374.1	375.4	403.9	451.8	467.3	466.0	414.2
30°	537.2	535.9	508.7	467.3	420.7	414.2	460.8	533.3	552.7	560.5	490.6
32.5°	599.3	605.8	572.1	532.0	471.2	454.3	512.6	609.7	648.5	651.1	561.8
35°	669.2	669.2	636.9	586.4	515.2	493.2	565.7	692.5	752.1	757.2	634.3
37.5°	697.7	706.8	682.2	634.3	556.6	526.8	620.0	785.7	846.6	864.7	687.3
40°	735.2	743.0	715.8	664.0	590.3	561.8	666.6	855.6	915.2	924.2	704.2
42.5°	807.7	814.2	774.1	701.6	618.7	591.6	700.3	902.2	974.7	988.9	732.7
45°	881.5	888.0	851.7	766.3	655.0	620.0	732.7	978.6	1066.6	1079.6	775.4
47.5°	981.2	983.8	935.9	838.8	709.4	653.7	781.8	1080.9	1190.9	1206.4	833.6
50°	1089.9	1093.8	1031.7	922.9	771.5	710.6	851.7	1197.4	1338.4	1363.0	917.8
52.5°	1198.6	1187.0	1131.3	1018.7	854.3	779.3	933.3	1346.2	1502.8	1517.1	995.4
55°	1321.6	1303.5	1233.6	1104.2	946.2	867.3	1060.1	1489.9	1642.6	1653.0	1080.9
57.5°	1449.8	1432.9	1343.6	1198.6	1039.4	992.8	1199.9	1647.8	1838.1	1865.3	1211.6
60°	1471.8	1462.7	1398.0	1286.7	1143.0	1128.7	1370.8	1856.2	2053.0	2054.3	1321.6
62.5°	1444.6	1440.7	1381.2	1304.8	1221.9	1269.8	1598.6	2054.3	2208.3	2194.1	1420.0
65°	1313.9	1299.6	1299.6	1262.1	1242.7	1398.0	1799.3	2242.0	2406.4	2362.3	1513.2
67.5°	1042.0	1043.3	1070.5	1109.3	1161.1	1421.3	1926.1	2407.7	2502.1	2407.7	1523.6
70°	733.9	753.4	811.6	898.3	1000.6	1316.4	1932.6	2388.2	2443.9	2350.7	1456.2
72.5°	537.2	521.7	567.0	645.9	800.0	1132.6	1766.9	2203.1	2205.7	2068.5	1260.8
75°	363.7	365.0	397.4	466.0	581.2	921.6	1535.2	1908.0	1900.2	1742.3	1051.1
77.5°	242.1	244.6	274.4	328.8	437.5	739.1	1284.1	1577.9	1543.0	1435.5	842.7
80°	165.7	172.2	189.0	227.8	318.4	585.1	1053.7	1294.4	1266.0	1162.4	679.6
82.5°	119.1	120.4	137.2	167.0	227.8	447.9	858.2	1086.0	1047.2	935.9	542.4
85°	90.6	90.6	102.3	123.0	164.4	341.7	684.8	864.7	829.7	723.6	405.2
87.5°	66.0	67.3	75.1	93.2	121.7	258.9	525.5	621.3	565.7	499.7	278.3
90°	42.7	45.3	50.5	67.3	90.6	183.8	366.3	406.5	368.9	309.4	179.9
92.5°	27.2	27.2	32.4	45.3	66.0	125.6	230.4	240.8	208.4	189.0	110.0
95°	18.1	19.4	23.3	31.1	46.6	85.4	138.5	139.8	123.0	103.6	69.9
97.5°	15.5	15.5	18.1	23.3	34.9	58.2	81.5	79.0	71.2	63.4	49.2
100°	12.9	12.9	15.5	19.4	28.5	42.7	51.8	50.5	46.6	45.3	38.8
102.5°	11.6	11.6	12.9	16.8	23.3	33.7	37.5	34.9	33.7	33.7	29.8
105°	10.4	10.4	11.6	14.2	19.4	27.2	28.5	25.9	25.9	24.6	23.3
107.5°	9.1	9.1	10.4	11.6	16.8	22.0	22.0	19.4	19.4	19.4	19.4
110°	9.1	9.1	9.1	10.4	14.2	18.1	18.1	15.5	15.5	14.2	15.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.8	7.8	7.8	10.4	12.9	15.5	14.2	12.9	11.6	11.6	12.9
115°	7.8	6.5	7.8	9.1	11.6	12.9	12.9	10.4	10.4	10.4	11.6
117.5°	6.5	6.5	6.5	7.8	10.4	11.6	10.4	9.1	9.1	9.1	10.4
120°	6.5	6.5	6.5	7.8	10.4	10.4	9.1	7.8	7.8	7.8	9.1
122.5°	6.5	6.5	6.5	7.8	9.1	9.1	9.1	7.8	7.8	7.8	9.1
125°	6.5	6.5	6.5	7.8	9.1	9.1	7.8	6.5	6.5	6.5	9.1
127.5°	6.5	6.5	6.5	7.8	7.8	7.8	6.5	6.5	6.5	6.5	7.8
130°	6.5	6.5	6.5	7.8	7.8	6.5	6.5	6.5	6.5	6.5	7.8
132.5°	6.5	6.5	6.5	7.8	7.8	6.5	6.5	5.2	6.5	6.5	7.8
135°	6.5	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	5.2	3.9	5.2	5.2	5.2	6.5
140°	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	3.9	3.9	2.6	3.9	3.9	3.9	5.2
145°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6
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°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	93.2	91.9	91.9	90.6	89.3	89.3	89.3	89.3	88.0	88.0	88.0
5°	95.8	94.5	91.9	89.3	86.7	84.1	84.1	82.8	82.8	81.5	80.3
7.5°	101.0	98.4	93.2	89.3	85.4	81.5	80.3	79.0	77.7	76.4	76.4
10°	111.3	106.1	98.4	90.6	84.1	79.0	76.4	75.1	73.8	72.5	72.5
12.5°	126.9	121.7	108.7	95.8	85.4	79.0	75.1	73.8	72.5	72.5	72.5
15°	152.7	143.7	124.3	106.1	89.3	80.3	76.4	77.7	80.3	80.3	80.3
17.5°	182.5	170.9	142.4	117.8	97.1	86.7	84.1	86.7	89.3	90.6	90.6
20°	217.5	199.3	161.8	129.4	106.1	98.4	95.8	98.4	102.3	104.8	104.8
22.5°	261.5	233.0	182.5	141.1	117.8	110.0	108.7	111.3	116.5	121.7	120.4
25°	312.0	274.4	205.8	154.0	133.3	123.0	124.3	129.4	138.5	143.7	146.3
27.5°	367.6	317.1	229.1	172.2	147.6	137.2	139.8	148.9	163.1	172.2	172.2
30°	427.2	358.6	252.4	190.3	163.1	151.4	156.6	173.5	189.0	200.6	200.6
32.5°	485.4	398.7	270.5	211.0	179.9	165.7	173.5	195.5	216.2	229.1	230.4
35°	530.7	423.3	279.6	226.5	194.2	177.3	187.7	218.8	245.9	260.2	261.5
37.5°	556.6	431.0	280.9	238.2	205.8	187.7	201.9	238.2	267.9	282.2	282.2
40°	552.7	415.5	271.8	244.6	213.6	196.8	214.9	256.3	286.1	296.4	293.8
42.5°	560.5	409.0	265.4	242.1	216.2	201.9	222.6	265.4	290.0	293.8	291.2
45°	569.6	400.0	258.9	239.5	214.9	204.5	226.5	265.4	286.1	284.8	282.2
47.5°	594.1	398.7	255.0	238.2	213.6	203.2	226.5	264.1	279.6	273.1	270.5
50°	627.8	403.9	252.4	235.6	212.3	200.6	223.9	261.5	275.7	269.2	266.7
52.5°	658.9	406.5	247.2	233.0	211.0	199.3	222.6	261.5	273.1	260.2	256.3
55°	699.0	419.4	240.8	227.8	208.4	196.8	221.3	258.9	261.5	245.9	243.4
57.5°	772.8	444.0	235.6	221.3	204.5	195.5	218.8	249.8	253.7	239.5	235.6
60°	827.1	462.1	230.4	216.2	198.0	191.6	212.3	244.6	245.9	226.5	222.6
62.5°	875.0	475.1	221.3	209.7	194.2	187.7	205.8	233.0	229.1	212.3	211.0
65°	921.6	485.4	214.9	200.6	186.4	179.9	198.0	217.5	218.8	204.5	201.9
67.5°	912.6	475.1	201.9	190.3	177.3	170.9	183.8	207.1	208.4	198.0	195.5
70°	858.2	440.1	186.4	178.6	164.4	157.9	169.6	192.9	196.8	189.0	187.7
72.5°	743.0	380.6	165.7	161.8	150.2	143.7	155.3	174.7	181.2	174.7	172.2
75°	625.2	321.0	147.6	143.7	135.9	129.4	138.5	156.6	164.4	163.1	163.1
77.5°	500.9	257.6	130.7	128.1	121.7	116.5	124.3	139.8	150.2	151.4	148.9
80°	402.6	209.7	115.2	113.9	110.0	106.1	110.0	123.0	134.6	137.2	135.9
82.5°	323.6	174.7	102.3	102.3	98.4	95.8	98.4	110.0	124.3	129.4	128.1
85°	248.5	143.7	91.9	90.6	88.0	86.7	89.3	97.1	112.6	119.1	119.1
87.5°	181.2	113.9	81.5	79.0	77.7	77.7	79.0	86.7	101.0	106.1	104.8
90°	125.6	88.0	69.9	67.3	66.0	67.3	69.9	76.4	86.7	88.0	88.0
92.5°	85.4	67.3	58.2	55.7	55.7	58.2	60.8	66.0	72.5	71.2	69.9
95°	59.5	50.5	46.6	45.3	45.3	47.9	50.5	55.7	59.5	57.0	55.7
97.5°	44.0	40.1	38.8	37.5	36.2	40.1	41.4	44.0	47.9	46.6	45.3
100°	34.9	33.7	32.4	31.1	29.8	32.4	33.7	36.2	38.8	36.2	36.2
102.5°	28.5	28.5	27.2	25.9	25.9	27.2	28.5	29.8	31.1	29.8	28.5
105°	23.3	23.3	23.3	22.0	22.0	23.3	24.6	24.6	25.9	23.3	23.3
107.5°	19.4	19.4	20.7	19.4	19.4	20.7	20.7	20.7	20.7	19.4	19.4
110°	16.8	16.8	16.8	16.8	16.8	18.1	18.1	18.1	18.1	16.8	15.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	14.2	14.2	14.2	14.2	15.5	15.5	15.5	15.5	14.2	14.2
115°	11.6	12.9	12.9	12.9	12.9	12.9	14.2	12.9	12.9	12.9	12.9
117.5°	10.4	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
120°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.6	11.6
122.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	10.4	10.4	10.4
125°	9.1	9.1	9.1	9.1	7.8	7.8	9.1	9.1	9.1	9.1	9.1
127.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.1
130°	7.8	7.8	7.8	7.8	6.5	6.5	6.5	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.8	7.8
135°	6.5	6.5	6.5	6.5	5.2	5.2	6.5	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5	6.5
140°	5.2	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	3.9	3.9	3.9	2.6	2.6	3.9	5.2	5.2	5.2	5.2
145°	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	1.3	1.3	1.3	2.6	3.9	3.9	2.6	2.6
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)