

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: P695307

Luminaire Tested: **LXF.LXT-PA16-50-727-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4724 lumens
Efficiency: N/A
Efficacy: 89.0 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

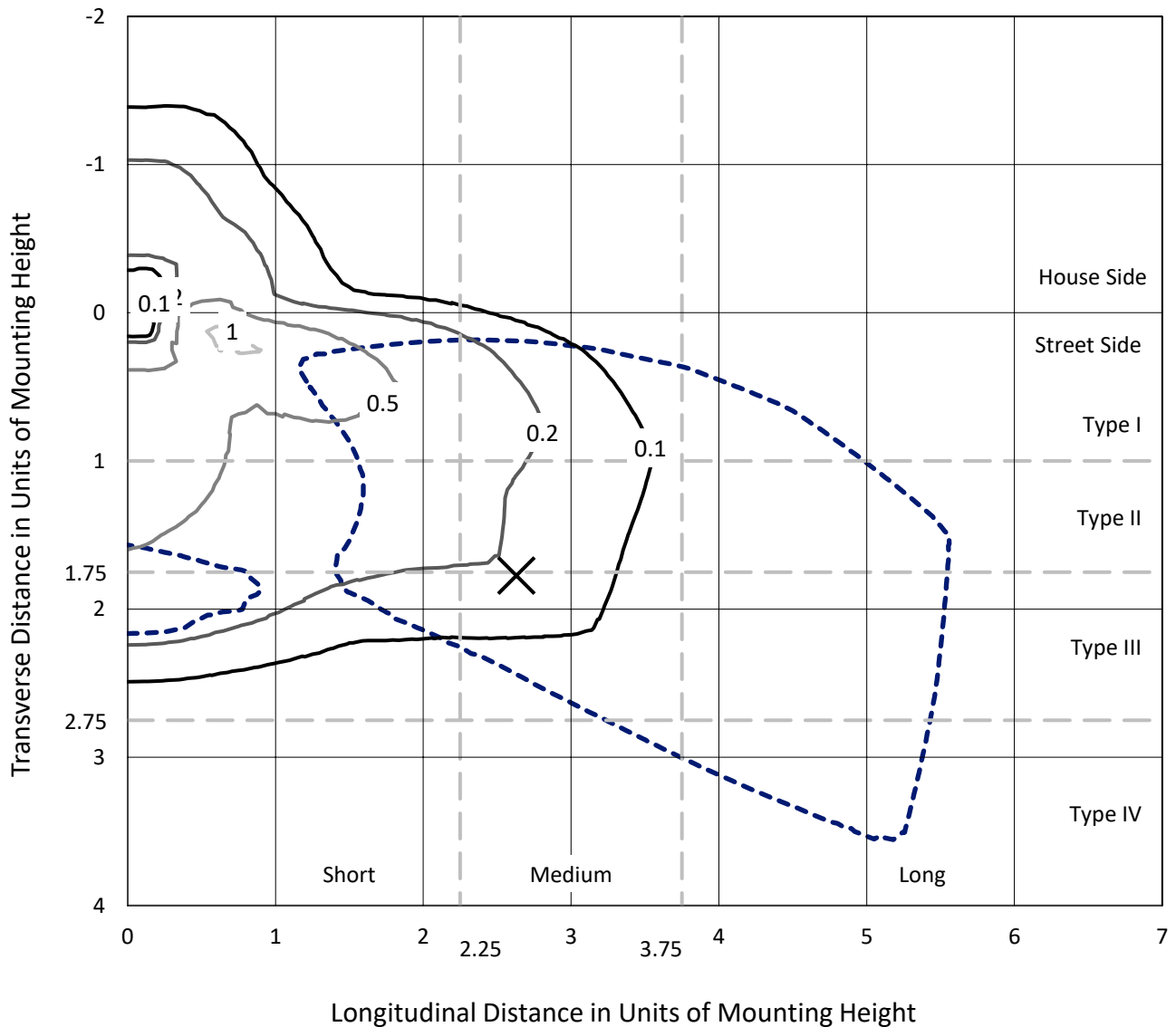
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

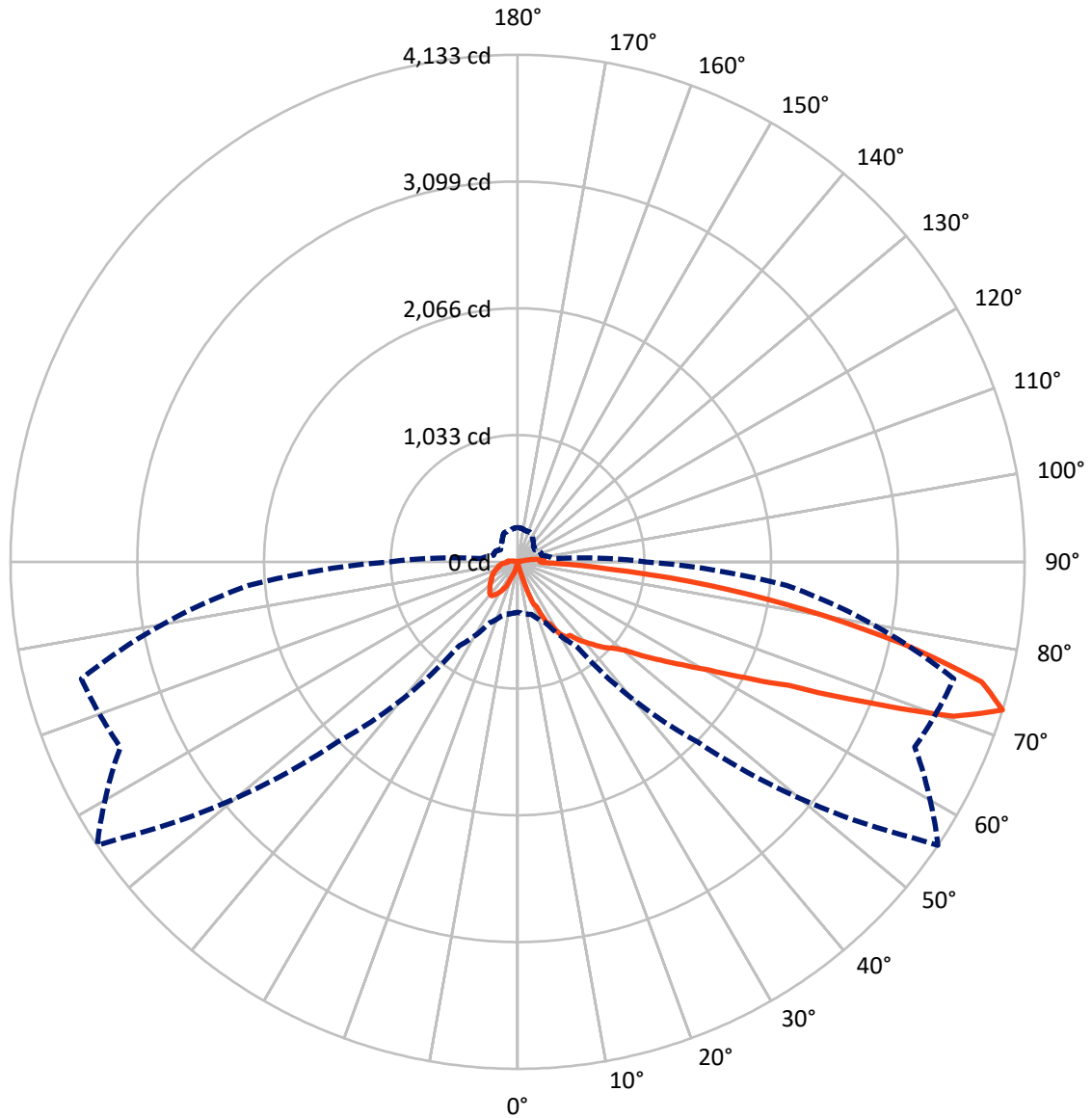
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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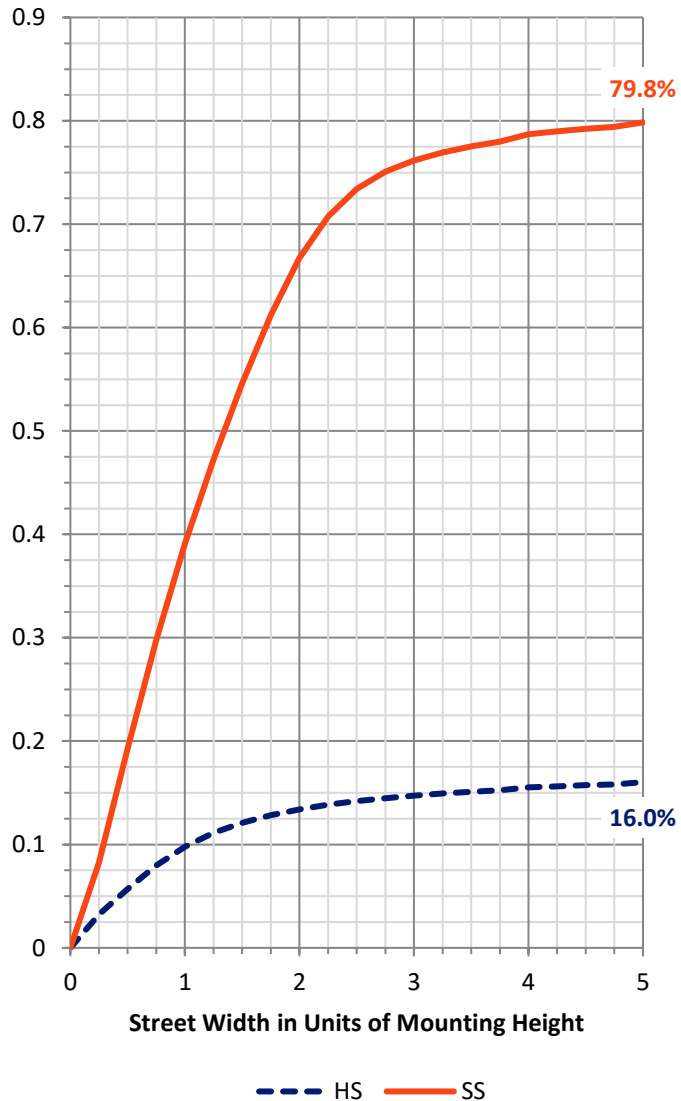
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	807.0	51.2	858.1
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	3812.0	53.9	3865.9
	% Fixture	80.7	1.1	81.8
Total	Lumens	4619.0	105.1	4724.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	38.8	0.8
20°-30°	182.6	3.9
30°-40°	402.0	8.5
40°-50°	602.8	12.8
50°-60°	887.8	18.8
60°-70°	1232.7	26.1
70°-80°	993.2	21.0
80°-90°	278.3	5.9
90°-100°	75.0	1.6
100°-110°	14.5	0.3
110°-120°	5.7	0.1
120°-130°	4.4	0.1
130°-140°	3.0	0.1
140°-150°	2.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4619.0	97.8
0°-180°	4724.0	100.0

Coefficient of Utilization

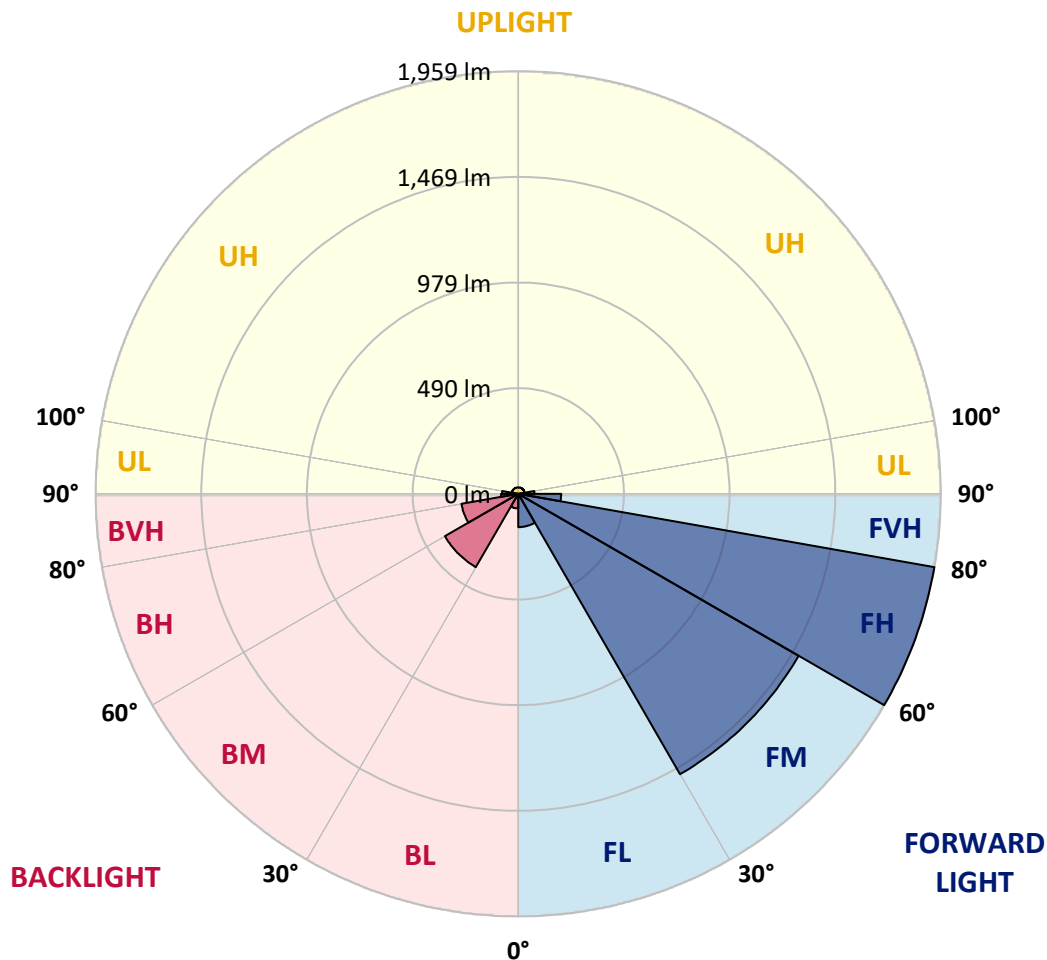


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.3	3.3			
FM (30°-60°)	1500.4	31.8			
FH (60°-80°)	1958.7	41.5			G2/5000
FVH (80°-90°)	198.6	4.2			G2/225
BL (0°-30°)	67.8	1.4	B0/110		
BM (30°-60°)	392.3	8.3	B1/1000		
BH (60°-80°)	267.3	5.7	B1/500		G1/500
BVH (80°-90°)	79.6	1.7			G1/100
UL (90°-100°)	75.0	1.6		U3/500	
UH (100°-180°)	30.1	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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°	5.2	5.2	5.2	5.2	6.9	6.9	5.2	5.2	5.2	5.2	5.2
7.5°	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2
10°	50.2	48.4	43.2	29.4	17.3	8.6	6.9	6.9	6.9	6.9	8.6
12.5°	219.7	218.0	219.7	205.8	55.4	29.4	13.8	13.8	20.8	27.7	36.3
15°	231.8	233.5	233.5	226.6	226.6	96.9	53.6	74.4	212.8	231.8	226.6
17.5°	304.5	294.1	252.6	242.2	247.4	245.6	212.8	212.8	247.4	261.2	257.7
20°	358.1	358.1	359.8	356.3	264.7	339.0	365.0	366.7	292.3	404.8	437.6
22.5°	401.3	404.8	387.5	373.6	403.1	351.2	396.1	396.1	494.7	555.3	532.8
25°	557.0	555.3	524.1	418.6	418.6	425.5	538.0	548.4	619.3	617.5	593.3
27.5°	641.8	641.8	607.2	544.9	463.6	486.1	553.5	577.8	702.3	892.6	807.8
30°	866.6	870.1	794.0	650.4	560.5	517.2	641.8	685.0	880.5	937.6	839.0
32.5°	932.4	934.1	939.3	832.0	648.7	574.3	700.6	731.7	944.5	1186.7	1056.9
35°	951.4	954.9	954.9	878.8	813.0	667.7	712.7	735.2	1124.4	1250.7	1058.7
37.5°	1013.7	1012.0	998.1	909.9	877.0	738.6	787.1	809.6	1198.8	1345.8	1053.5
40°	1101.9	1101.9	1079.4	970.4	903.0	811.3	839.0	863.2	1285.3	1458.2	1056.9
42.5°	1204.0	1195.3	1169.4	1039.6	944.5	856.3	908.2	928.9	1375.2	1600.1	1062.1
45°	1326.8	1318.1	1266.2	1136.5	1017.1	875.3	958.3	998.1	1477.3	1750.6	1093.3
47.5°	1444.4	1440.9	1382.1	1233.4	1089.8	903.0	996.4	1051.7	1600.1	1942.6	1153.8
50°	1589.7	1572.4	1496.3	1328.5	1155.5	956.6	1095.0	1131.3	1729.8	2127.7	1245.5
52.5°	1721.2	1690.0	1610.5	1425.4	1235.1	1031.0	1245.5	1269.7	1878.6	2321.4	1351.0
55°	1849.2	1804.2	1695.2	1525.7	1311.2	1117.5	1408.1	1413.3	2048.1	2520.4	1480.7
57.5°	2041.2	1994.5	1837.1	1619.1	1411.5	1228.2	1565.5	1582.8	2215.9	2743.5	1633.0
60°	2307.6	2274.7	2084.4	1840.5	1589.7	1375.2	1754.0	1788.6	2382.0	2966.7	1783.5
62.5°	2409.7	2371.6	2228.0	2058.5	1844.0	1639.9	1987.6	2081.0	2532.5	3191.5	1958.2
65°	2132.9	2132.9	2056.8	2067.1	2003.1	2063.7	2319.7	2428.7	2708.9	3369.7	2108.7
67.5°	1387.3	1394.2	1442.7	1648.5	1876.9	2406.2	2892.3	3042.8	2977.0	3561.7	2234.9
70°	629.7	653.9	759.4	1044.8	1428.8	2427.0	3551.3	3771.0	3288.4	3693.2	2279.9
72.5°	411.7	420.3	444.6	551.8	840.7	2079.3	3916.3	4132.6	3572.1	3681.1	2198.6
75°	344.2	339.0	352.9	390.9	423.8	1427.1	3726.1	3906.0	3535.8	3463.1	2001.4
77.5°	285.4	280.2	294.1	314.8	250.8	783.6	3098.1	3201.9	3058.3	2959.7	1633.0
80°	219.7	219.7	226.6	254.3	183.4	380.6	2302.4	2380.2	2264.3	2113.9	977.4
82.5°	150.5	148.8	164.3	195.5	147.0	219.7	1572.4	1574.1	1352.7	1029.2	460.1
85°	67.5	67.5	81.3	112.4	86.5	136.7	717.9	743.8	460.1	328.7	205.8
87.5°	22.5	22.5	24.2	27.7	29.4	64.0	200.7	204.1	178.2	202.4	152.2
90°	20.8	20.8	20.8	20.8	22.5	62.3	179.9	179.9	159.1	188.6	152.2
92.5°	20.8	20.8	19.0	17.3	19.0	57.1	198.9	214.5	174.7	197.2	159.1
95°	20.8	20.8	17.3	15.6	17.3	41.5	198.9	212.8	183.4	171.3	143.6
97.5°	13.8	13.8	12.1	12.1	13.8	24.2	145.3	150.5	117.6	86.5	86.5
100°	12.1	12.1	8.6	8.6	10.4	13.8	77.8	83.0	57.1	27.7	27.7
102.5°	12.1	12.1	6.9	6.9	6.9	8.6	22.5	24.2	20.8	12.1	13.8
105°	13.8	13.8	6.9	5.2	5.2	6.9	10.4	10.4	12.1	10.4	13.8
107.5°	12.1	12.1	5.2	5.2	5.2	5.2	5.2	5.2	6.9	10.4	13.8
110°	8.6	6.9	5.2	5.2	3.5	5.2	5.2	5.2	5.2	8.6	12.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	5.2	5.2	3.5	3.5	3.5	5.2	3.5	3.5	5.2	6.9	10.4
115°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	6.9	8.6
117.5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	6.9	10.4
120°	5.2	5.2	3.5	1.7	3.5	3.5	3.5	3.5	3.5	6.9	10.4
122.5°	5.2	5.2	3.5	1.7	3.5	3.5	3.5	3.5	3.5	6.9	10.4
125°	5.2	5.2	3.5	1.7	3.5	1.7	3.5	3.5	3.5	6.9	8.6
127.5°	5.2	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	5.2	8.6
130°	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	5.2	8.6
132.5°	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	5.2	6.9
135°	3.5	3.5	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5	5.2
137.5°	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	3.5	5.2
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
147.5°	3.5	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
150°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	3.5	3.5	3.5	3.5	5.2	5.2	5.2	5.2	5.2
5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
7.5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
10°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
12.5°	41.5	36.3	27.7	15.6	6.9	3.5	3.5	3.5	5.2	6.9	6.9
15°	216.2	202.4	162.6	107.2	34.6	8.6	5.2	15.6	48.4	65.7	64.0
17.5°	247.4	226.6	169.5	117.6	95.1	43.2	45.0	81.3	95.1	102.1	100.3
20°	427.3	352.9	209.3	136.7	110.7	103.8	91.7	103.8	117.6	126.3	128.0
22.5°	486.1	404.8	249.1	204.1	141.8	147.0	136.7	131.5	186.8	200.7	204.1
25°	525.9	420.3	261.2	230.1	216.2	171.3	188.6	193.7	216.2	224.9	226.6
27.5°	674.6	494.7	321.7	262.9	242.2	216.2	223.1	223.1	247.4	288.9	290.6
30°	666.0	465.3	337.3	307.9	271.6	254.3	243.9	283.7	314.8	323.5	325.2
32.5°	780.2	503.4	377.1	325.2	302.7	269.9	288.9	311.4	330.4	354.6	368.5
35°	714.4	454.9	392.7	365.0	320.0	295.8	313.1	333.9	397.9	418.6	418.6
37.5°	641.8	415.2	378.8	368.5	344.2	314.8	320.0	377.1	406.5	397.9	397.9
40°	576.0	387.5	366.7	361.5	346.0	314.8	339.0	366.7	394.4	387.5	387.5
42.5°	534.5	370.2	354.6	351.2	339.0	309.6	328.7	361.5	392.7	380.6	378.8
45°	518.9	354.6	346.0	339.0	320.0	297.5	321.7	365.0	389.2	375.4	373.6
47.5°	534.5	346.0	337.3	328.7	304.5	278.5	325.2	359.8	382.3	361.5	358.1
50°	584.7	346.0	326.9	314.8	292.3	278.5	320.0	347.7	365.0	340.8	335.6
52.5°	650.4	352.9	316.6	299.3	280.2	276.8	313.1	340.8	351.2	325.2	323.5
55°	740.4	365.0	302.7	287.2	261.2	269.9	313.1	342.5	339.0	309.6	307.9
57.5°	832.0	378.8	290.6	278.5	249.1	261.2	309.6	344.2	323.5	287.2	287.2
60°	930.6	396.1	275.0	268.1	240.4	249.1	299.3	340.8	307.9	269.9	269.9
62.5°	1029.2	404.8	262.9	257.7	230.1	237.0	287.2	330.4	302.7	266.4	266.4
65°	1108.8	396.1	250.8	243.9	216.2	223.1	269.9	321.7	294.1	268.1	269.9
67.5°	1153.8	371.9	238.7	233.5	202.4	209.3	249.1	302.7	280.2	266.4	269.9
70°	1133.0	330.4	223.1	216.2	188.6	197.2	230.1	280.2	271.6	266.4	271.6
72.5°	1043.1	299.3	204.1	200.7	171.3	183.4	218.0	261.2	261.2	276.8	278.5
75°	928.9	266.4	188.6	185.1	159.1	167.8	212.8	238.7	243.9	264.7	269.9
77.5°	754.2	223.1	166.1	169.5	155.7	155.7	202.4	224.9	230.1	254.3	256.0
80°	461.9	164.3	143.6	152.2	143.6	148.8	190.3	209.3	212.8	245.6	249.1
82.5°	230.1	115.9	122.8	134.9	128.0	147.0	181.6	198.9	216.2	249.1	250.8
85°	117.6	70.9	93.4	109.0	110.7	162.6	178.2	205.8	202.4	224.9	230.1
87.5°	74.4	36.3	53.6	58.8	83.0	154.0	157.4	169.5	166.1	192.0	192.0
90°	72.7	29.4	46.7	45.0	83.0	131.5	121.1	122.8	131.5	162.6	164.3
92.5°	76.1	27.7	48.4	45.0	88.2	103.8	96.9	93.4	103.8	122.8	126.3
95°	67.5	25.9	51.9	48.4	76.1	69.2	62.3	69.2	67.5	67.5	69.2
97.5°	39.8	19.0	50.2	48.4	60.5	36.3	41.5	51.9	39.8	29.4	27.7
100°	17.3	12.1	48.4	46.7	38.1	22.5	34.6	43.2	29.4	12.1	12.1
102.5°	10.4	10.4	34.6	43.2	22.5	12.1	25.9	29.4	17.3	10.4	10.4
105°	10.4	10.4	17.3	25.9	8.6	6.9	12.1	13.8	8.6	8.6	8.6
107.5°	10.4	10.4	8.6	8.6	6.9	6.9	6.9	6.9	6.9	8.6	8.6
110°	10.4	10.4	6.9	8.6	6.9	5.2	5.2	5.2	6.9	8.6	8.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.6	8.6	6.9	6.9	5.2	5.2	5.2	5.2	6.9	8.6	8.6
115°	8.6	8.6	6.9	5.2	5.2	5.2	5.2	5.2	6.9	8.6	8.6
117.5°	8.6	6.9	5.2	5.2	5.2	5.2	5.2	5.2	6.9	10.4	10.4
120°	8.6	6.9	5.2	5.2	3.5	3.5	5.2	5.2	6.9	10.4	10.4
122.5°	8.6	8.6	5.2	5.2	3.5	3.5	3.5	5.2	6.9	10.4	10.4
125°	8.6	6.9	5.2	5.2	3.5	3.5	3.5	3.5	6.9	10.4	10.4
127.5°	8.6	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	10.4	10.4
130°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	8.6	10.4
132.5°	6.9	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	8.6	8.6
135°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	6.9	6.9
137.5°	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
140°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	5.2	5.2
142.5°	3.5	3.5	3.5	3.5	1.7	3.5	3.5	3.5	5.2	5.2	5.2
145°	5.2	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	5.2
147.5°	5.2	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	5.2
150°	5.2	5.2	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	5.2
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)