

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: P696036

Luminaire Tested: **LXF.LXT-PA16-827-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5540.9 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

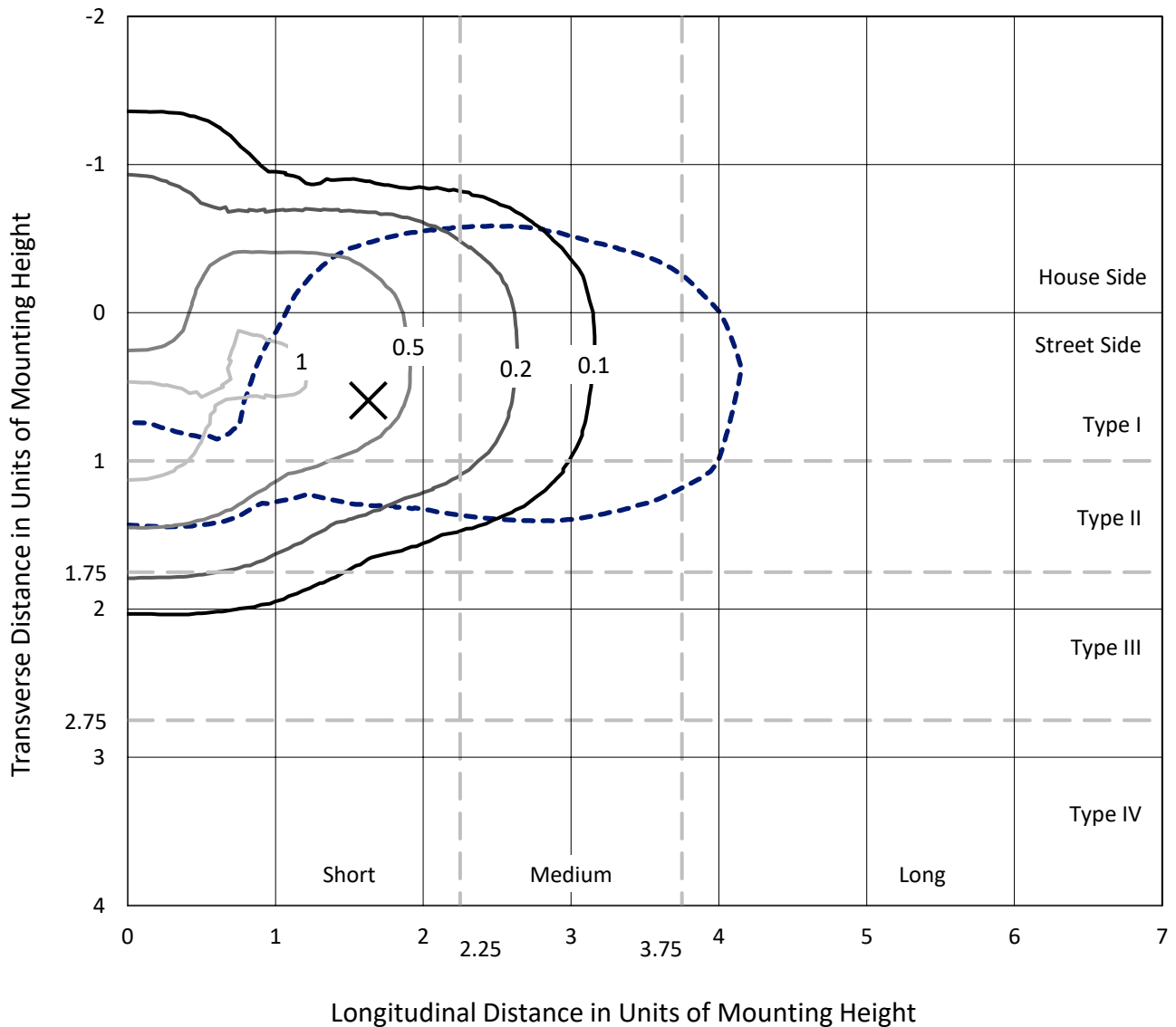
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

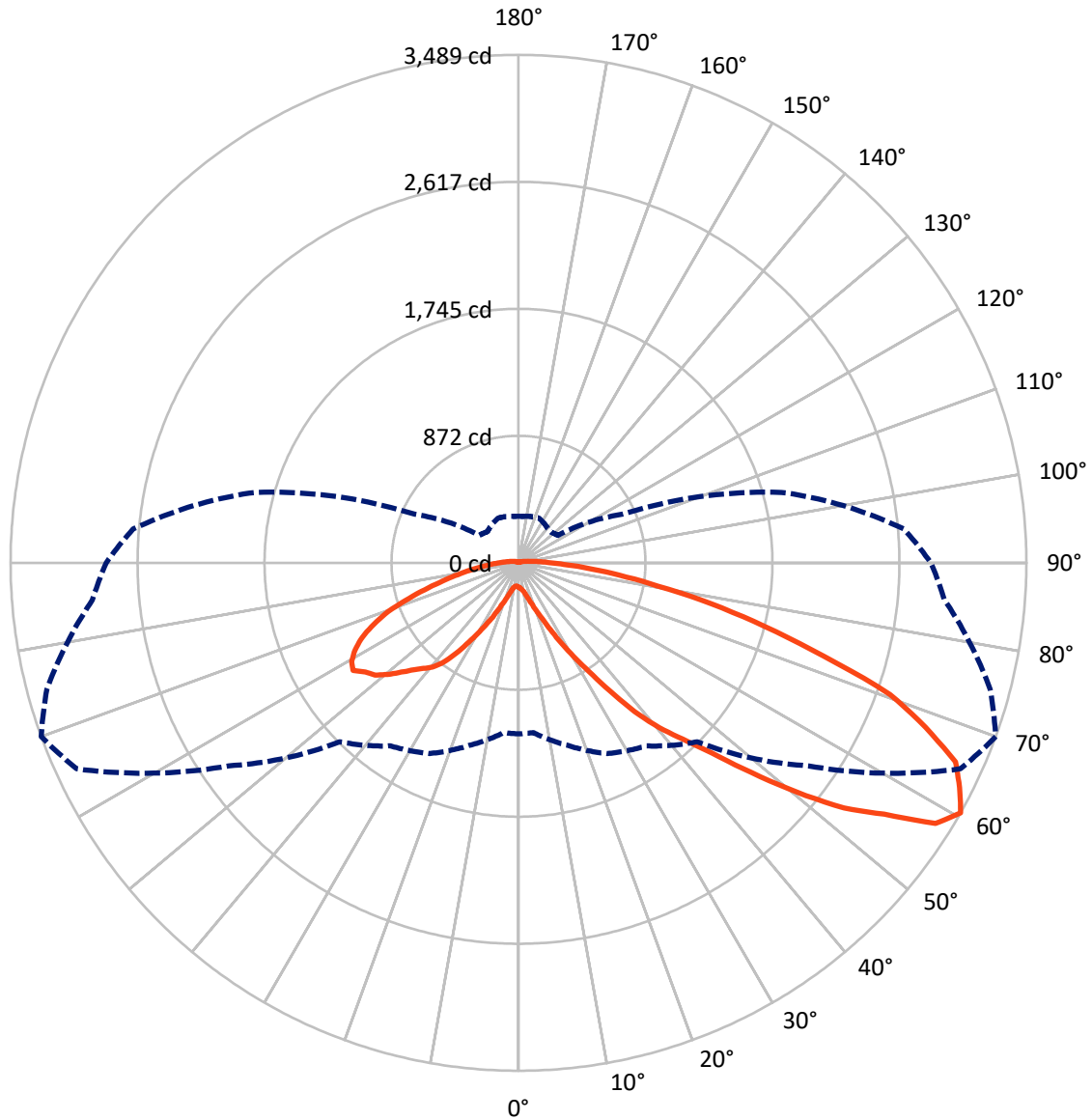
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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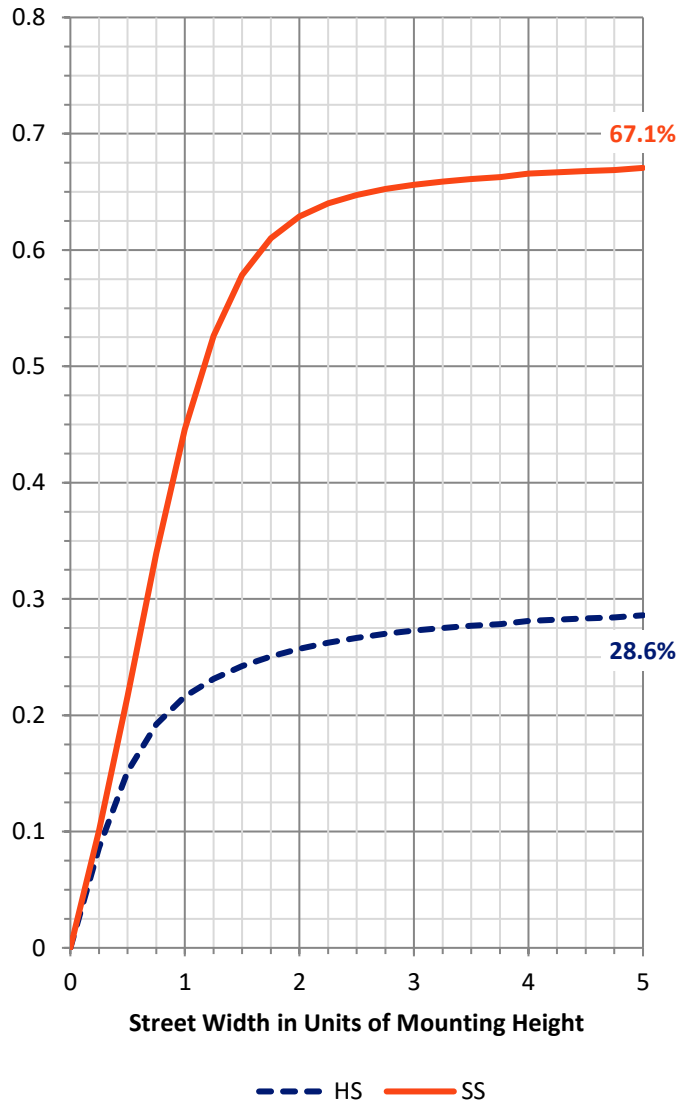
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.3	82.3	1713.6
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	3757.2	70.1	3827.3
	% Fixture	67.8	1.3	69.1
Total	Lumens	5388.5	152.4	5540.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.3
10°-20°	70.6	1.3
20°-30°	223.9	4.0
30°-40°	551.0	9.9
40°-50°	953.6	17.2
50°-60°	1342.1	24.2
60°-70°	1248.0	22.5
70°-80°	711.7	12.8
80°-90°	270.8	4.9
90°-100°	80.7	1.5
100°-110°	32.8	0.6
110°-120°	17.5	0.3
120°-130°	11.0	0.2
130°-140°	7.1	0.1
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5388.5	97.2
0°-180°	5540.9	100.0

Coefficient of Utilization



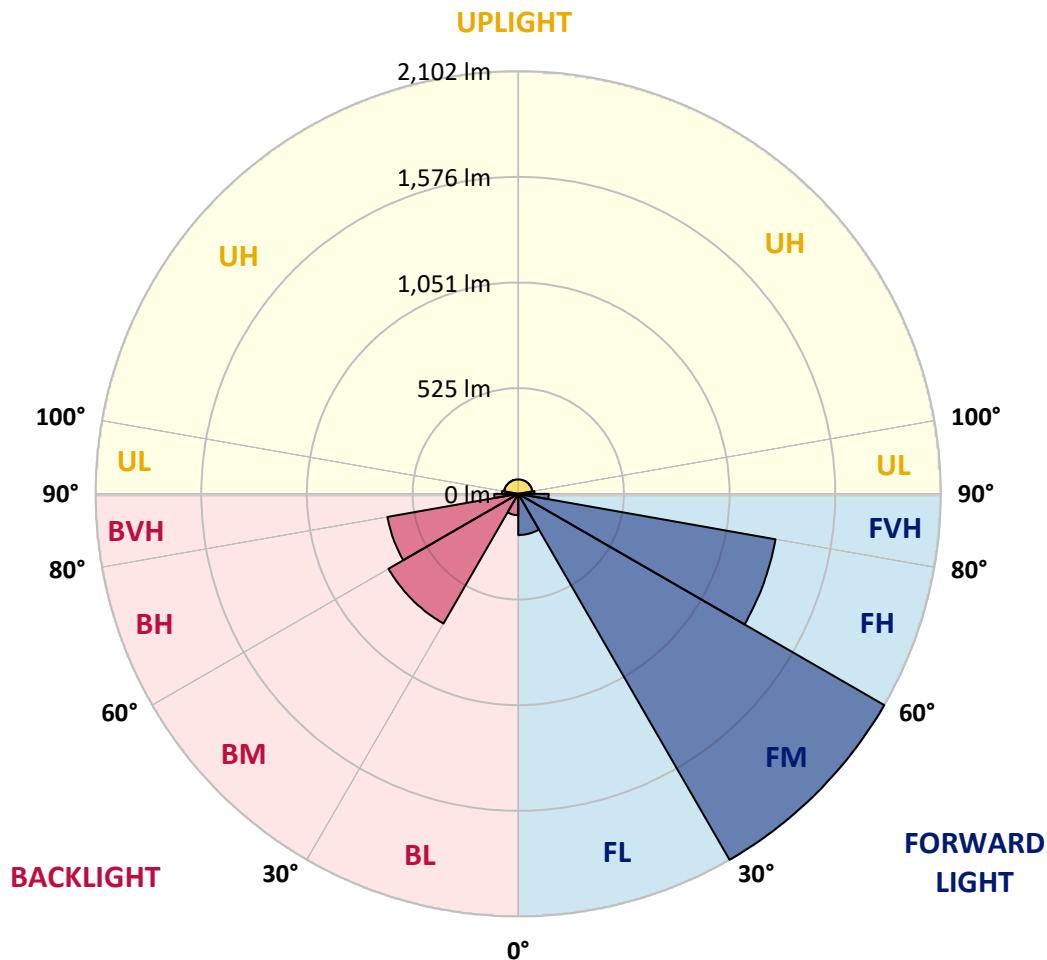
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.0	3.7			
FM (30°-60°)	2101.7	37.9			
FH (60°-80°)	1299.2	23.4			G1/1800
FVH (80°-90°)	151.3	2.7			G2/225
BL (0°-30°)	106.3	1.9	B0/110		
BM (30°-60°)	745.1	13.4	B1/1000		
BH (60°-80°)	660.5	11.9	B2/1000		G2/1000
BVH (80°-90°)	119.5	2.2			G2/225
UL (90°-100°)	80.7	1.5		U3/500	
UH (100°-180°)	71.7	1.3		U3/500	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
2.5°	179.2	177.3	177.3	177.3	177.3	175.3	173.4	171.4	171.4	169.5	167.5
5°	194.8	194.8	194.8	192.9	190.9	189.0	185.1	181.2	179.2	175.3	171.4
7.5°	220.1	216.3	216.3	214.3	208.5	204.6	198.7	190.9	189.0	185.1	179.2
10°	251.3	249.4	247.4	241.6	231.8	224.0	218.2	208.5	202.6	198.7	190.9
12.5°	300.0	300.0	294.2	282.5	268.9	255.2	243.5	231.8	226.0	220.1	212.4
15°	360.4	358.5	356.5	337.0	315.6	296.1	276.6	263.0	257.2	253.3	239.6
17.5°	440.3	442.2	430.6	399.4	368.2	346.8	323.4	305.9	298.1	292.2	280.5
20°	543.5	541.6	524.1	479.3	444.2	409.1	383.8	356.5	350.7	344.8	331.2
22.5°	678.0	674.1	639.0	584.5	531.9	483.2	450.0	430.6	418.9	411.1	399.4
25°	816.3	831.9	783.2	716.9	641.0	566.9	531.9	520.2	508.5	502.6	487.1
27.5°	1034.5	1036.4	966.3	859.2	757.9	681.9	637.1	617.6	617.6	609.8	590.3
30°	1266.3	1264.4	1178.7	1042.3	904.0	798.8	752.0	740.3	744.2	734.5	707.2
32.5°	1470.9	1467.0	1371.5	1237.1	1054.0	925.4	880.6	884.5	888.4	896.2	874.7
35°	1693.0	1691.0	1578.0	1412.4	1213.7	1069.6	1038.4	1075.4	1077.4	1089.0	1040.3
37.5°	1772.9	1784.6	1714.4	1566.4	1356.0	1217.6	1219.6	1260.5	1295.6	1299.5	1231.3
40°	1833.3	1839.1	1774.8	1656.0	1484.5	1371.5	1420.2	1486.5	1488.4	1455.3	1344.3
42.5°	1971.6	1977.4	1887.8	1737.8	1578.0	1527.4	1597.5	1667.7	1654.0	1624.8	1486.5
45°	2061.2	2069.0	2010.5	1866.4	1671.6	1642.3	1770.9	1864.4	1862.5	1843.0	1652.1
47.5°	2152.8	2164.5	2104.1	1967.7	1778.7	1749.5	1961.8	2154.7	2152.8	2098.2	1872.2
50°	2125.5	2135.2	2139.1	2049.5	1854.7	1860.5	2162.5	2458.6	2474.2	2404.1	2141.1
52.5°	1959.9	1975.5	2032.0	2043.7	1909.2	1936.5	2357.3	2780.1	2799.6	2682.7	2349.5
55°	1745.6	1765.1	1839.1	1920.9	1876.1	1956.0	2519.0	3035.3	3047.0	2951.5	2616.4
57.5°	1459.2	1500.1	1595.6	1712.5	1739.7	1909.2	2521.0	3245.7	3378.2	3304.2	2906.7
60°	1174.8	1170.9	1297.5	1445.6	1535.2	1737.8	2431.4	3349.0	3489.2	3354.8	2937.9
62.5°	843.6	857.2	993.6	1165.0	1276.1	1470.9	2222.9	3146.4	3401.6	3397.7	3101.5
65°	602.0	615.6	715.0	878.6	1007.2	1219.6	1885.9	2947.6	3298.3	3329.5	3086.0
67.5°	428.6	434.4	510.4	639.0	752.0	931.2	1544.9	2665.1	3015.8	3109.3	2996.3
70°	321.5	327.3	374.1	469.5	549.4	679.9	1233.2	2259.9	2708.0	2844.4	2766.5
72.5°	247.4	255.2	286.4	358.5	405.2	485.1	921.5	1843.0	2189.8	2324.2	2291.1
75°	194.8	198.7	222.1	270.8	300.0	340.9	652.6	1418.3	1743.6	1936.5	1936.5
77.5°	155.9	161.7	177.3	212.4	237.7	253.3	448.1	1018.9	1352.1	1546.9	1591.7
80°	124.7	128.6	142.2	167.5	185.1	194.8	302.0	707.2	970.2	1202.0	1332.6
82.5°	99.4	99.4	113.0	132.5	150.0	161.7	222.1	500.7	693.6	868.9	1013.1
85°	79.9	81.8	89.6	103.3	120.8	136.4	171.4	342.9	473.4	582.5	701.4
87.5°	62.3	62.3	70.1	79.9	97.4	114.9	140.3	231.8	311.7	401.3	471.5
90°	44.8	46.8	50.7	58.4	76.0	93.5	111.0	161.7	206.5	251.3	298.1
92.5°	33.1	33.1	35.1	40.9	54.5	74.0	89.6	116.9	142.2	163.6	185.1
95°	25.3	25.3	27.3	29.2	39.0	56.5	68.2	85.7	99.4	114.9	124.7
97.5°	21.4	21.4	21.4	23.4	31.2	42.9	52.6	64.3	74.0	83.8	93.5
100°	19.5	19.5	19.5	19.5	25.3	37.0	40.9	50.7	56.5	64.3	70.1
102.5°	17.5	17.5	17.5	17.5	23.4	31.2	35.1	39.0	44.8	48.7	54.5
105°	15.6	15.6	15.6	15.6	19.5	25.3	29.2	33.1	35.1	37.0	40.9
107.5°	13.6	13.6	13.6	13.6	17.5	23.4	25.3	25.3	27.3	29.2	33.1
110°	11.7	11.7	11.7	13.6	15.6	19.5	21.4	21.4	21.4	23.4	27.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.7	11.7	11.7	11.7	13.6	17.5	17.5	17.5	19.5	19.5	23.4
115°	9.7	9.7	9.7	11.7	13.6	15.6	15.6	15.6	15.6	17.5	19.5
117.5°	9.7	9.7	9.7	9.7	13.6	15.6	15.6	13.6	13.6	15.6	17.5
120°	9.7	9.7	9.7	9.7	11.7	13.6	13.6	13.6	13.6	13.6	15.6
122.5°	9.7	9.7	9.7	9.7	11.7	11.7	11.7	11.7	11.7	11.7	13.6
125°	9.7	9.7	9.7	9.7	11.7	11.7	11.7	9.7	9.7	11.7	13.6
127.5°	11.7	11.7	9.7	9.7	9.7	11.7	9.7	9.7	9.7	9.7	11.7
130°	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	11.7
132.5°	11.7	11.7	9.7	9.7	9.7	9.7	9.7	7.8	7.8	9.7	11.7
135°	9.7	11.7	9.7	9.7	9.7	7.8	7.8	7.8	7.8	7.8	9.7
137.5°	9.7	9.7	9.7	7.8	7.8	7.8	5.8	5.8	5.8	7.8	7.8
140°	9.7	9.7	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8
142.5°	7.8	7.8	7.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	5.8
145°	7.8	7.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	5.8	5.8	5.8	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9
150°	5.8	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
2.5°	167.5	165.6	163.6	163.6	161.7	159.8	157.8	157.8	157.8	157.8	157.8
5°	169.5	167.5	163.6	159.8	155.9	152.0	150.0	146.1	146.1	146.1	144.2
7.5°	175.3	171.4	165.6	157.8	152.0	146.1	140.3	138.3	136.4	134.4	134.4
10°	185.1	181.2	171.4	161.7	152.0	144.2	136.4	130.5	126.6	126.6	126.6
12.5°	204.6	198.7	185.1	169.5	155.9	144.2	134.4	128.6	126.6	126.6	128.6
15°	235.7	227.9	208.5	189.0	167.5	150.0	142.2	142.2	144.2	146.1	146.1
17.5°	272.7	263.0	241.6	214.3	189.0	171.4	163.6	165.6	169.5	171.4	171.4
20°	325.4	307.8	286.4	249.4	216.3	200.7	190.9	189.0	198.7	202.6	202.6
22.5°	385.7	376.0	340.9	294.2	255.2	231.8	218.2	214.3	224.0	227.9	227.9
25°	475.4	455.9	415.0	352.6	302.0	263.0	243.5	239.6	253.3	261.1	261.1
27.5°	578.6	549.4	498.7	418.9	348.7	292.2	266.9	266.9	280.5	292.2	294.2
30°	685.8	652.6	592.3	492.9	395.5	315.6	284.4	286.4	300.0	317.6	313.7
32.5°	841.6	794.9	705.3	576.7	438.3	335.1	294.2	302.0	323.4	346.8	342.9
35°	993.6	944.9	837.7	670.2	475.4	344.8	300.0	317.6	340.9	358.5	358.5
37.5°	1155.3	1094.9	958.5	752.0	514.3	350.7	303.9	321.5	344.8	356.5	356.5
40°	1262.4	1202.0	1046.2	810.5	529.9	348.7	302.0	319.5	335.1	339.0	335.1
42.5°	1396.9	1307.2	1114.4	837.7	522.1	339.0	296.1	309.8	315.6	313.7	313.7
45°	1556.6	1457.3	1211.8	847.5	498.7	323.4	288.3	298.1	305.9	307.8	307.8
47.5°	1770.9	1656.0	1338.4	863.1	469.5	307.8	284.4	300.0	307.8	302.0	302.0
50°	2018.3	1883.9	1484.5	876.7	440.3	296.1	286.4	305.9	307.8	302.0	300.0
52.5°	2215.1	2069.0	1611.2	892.3	411.1	290.3	294.2	313.7	311.7	302.0	300.0
55°	2476.2	2326.2	1724.2	857.2	383.8	292.2	302.0	321.5	315.6	300.0	300.0
57.5°	2784.0	2602.8	1874.2	837.7	352.6	298.1	311.7	329.2	319.5	305.9	303.9
60°	2832.7	2657.4	1870.3	789.0	329.2	302.0	319.5	337.0	329.2	319.5	319.5
62.5°	2998.3	2809.3	1839.1	703.3	311.7	302.0	325.4	346.8	348.7	342.9	340.9
65°	2976.9	2770.3	1759.2	617.6	296.1	298.1	329.2	358.5	360.4	362.4	362.4
67.5°	2898.9	2682.7	1620.9	541.6	278.6	292.2	329.2	356.5	366.3	374.1	374.1
70°	2661.2	2464.5	1445.6	465.6	261.1	276.6	313.7	344.8	354.6	364.3	366.3
72.5°	2226.8	2043.7	1186.5	395.5	237.7	253.3	286.4	315.6	327.3	335.1	333.1
75°	1856.6	1708.6	964.4	313.7	212.4	224.0	251.3	276.6	284.4	290.3	290.3
77.5°	1533.2	1400.8	759.8	257.2	185.1	194.8	216.3	235.7	243.5	245.5	241.6
80°	1280.0	1124.1	596.2	208.5	157.8	163.6	185.1	200.7	208.5	204.6	206.5
82.5°	989.7	861.1	452.0	175.3	138.3	140.3	155.9	169.5	175.3	171.4	169.5
85°	672.1	584.5	325.4	152.0	120.8	118.8	128.6	140.3	144.2	142.2	140.3
87.5°	444.2	385.7	235.7	130.5	105.2	103.3	109.1	118.8	122.7	120.8	116.9
90°	280.5	255.2	169.5	111.0	91.6	87.7	91.6	97.4	103.3	101.3	99.4
92.5°	179.2	161.7	124.7	91.6	77.9	74.0	74.0	77.9	81.8	77.9	74.0
95°	120.8	116.9	95.5	74.0	64.3	60.4	58.4	58.4	62.3	58.4	56.5
97.5°	93.5	89.6	77.9	58.4	50.7	48.7	46.8	46.8	50.7	46.8	44.8
100°	72.1	72.1	62.3	48.7	39.0	39.0	39.0	40.9	42.9	40.9	40.9
102.5°	56.5	56.5	52.6	40.9	33.1	33.1	33.1	35.1	39.0	37.0	37.0
105°	42.9	44.8	42.9	33.1	29.2	29.2	29.2	31.2	33.1	33.1	33.1
107.5°	35.1	37.0	35.1	29.2	25.3	25.3	25.3	27.3	29.2	31.2	31.2
110°	29.2	31.2	29.2	25.3	23.4	23.4	23.4	23.4	27.3	27.3	29.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	25.3	25.3	21.4	21.4	21.4	19.5	21.4	23.4	25.3	25.3
115°	21.4	21.4	21.4	19.5	19.5	19.5	17.5	17.5	21.4	23.4	23.4
117.5°	19.5	19.5	19.5	17.5	17.5	17.5	15.6	15.6	17.5	21.4	21.4
120°	17.5	17.5	17.5	15.6	15.6	15.6	13.6	13.6	15.6	19.5	19.5
122.5°	15.6	15.6	15.6	13.6	13.6	13.6	13.6	13.6	15.6	17.5	17.5
125°	13.6	13.6	13.6	13.6	13.6	11.7	11.7	11.7	13.6	15.6	15.6
127.5°	13.6	13.6	13.6	11.7	11.7	11.7	11.7	11.7	11.7	13.6	15.6
130°	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	11.7	13.6	13.6
132.5°	11.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	11.7	11.7	13.6
135°	9.7	11.7	9.7	9.7	9.7	7.8	7.8	7.8	9.7	11.7	11.7
137.5°	9.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	9.7	9.7	9.7
140°	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8	9.7	9.7
142.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	7.8	7.8
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
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)