

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: P696031

Luminaire Tested: **LXF.LXT-PA16-827-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5270 lumens
Efficiency: N/A
Efficacy: 73.2 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: B1 - U3 - G2

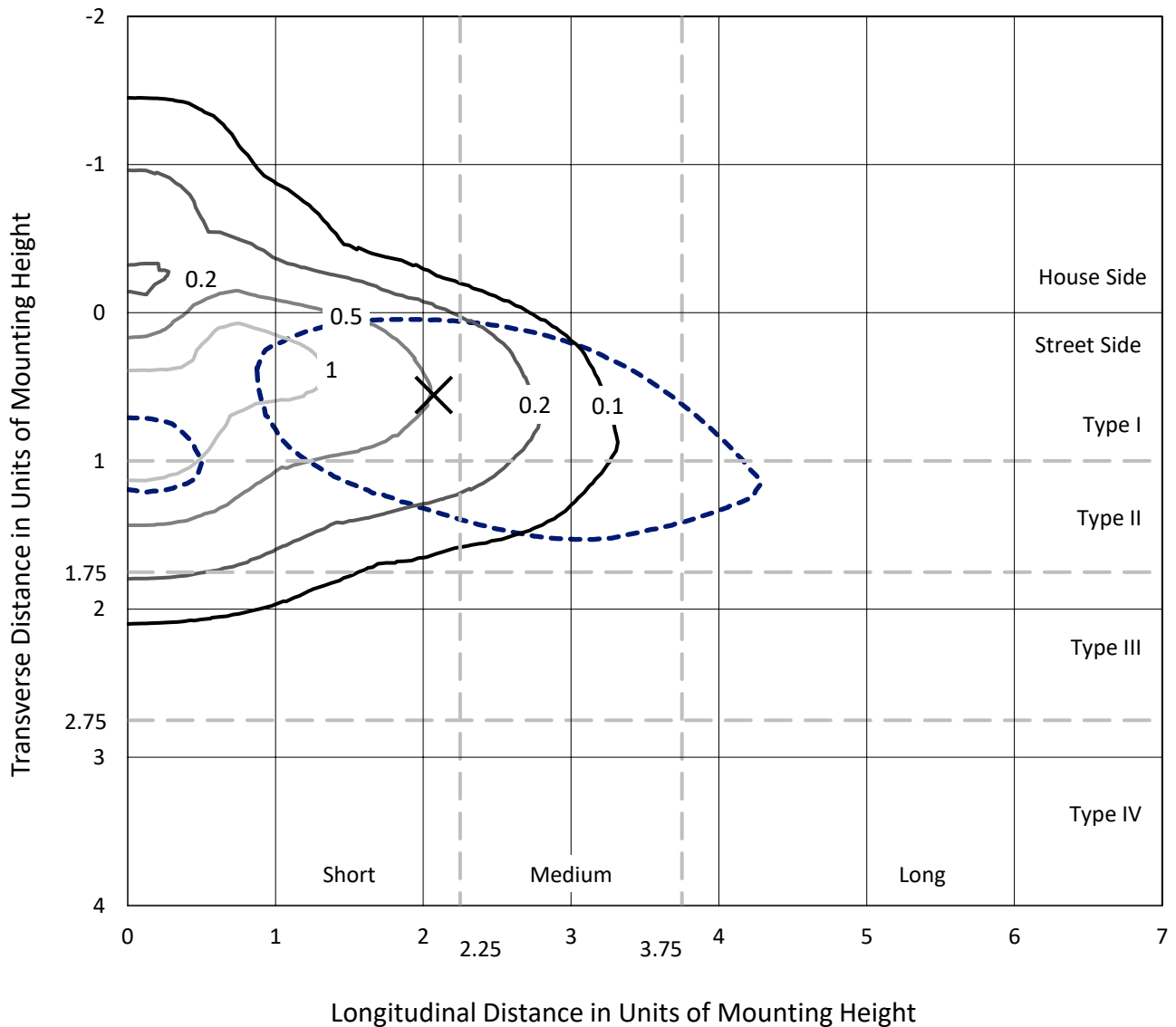
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

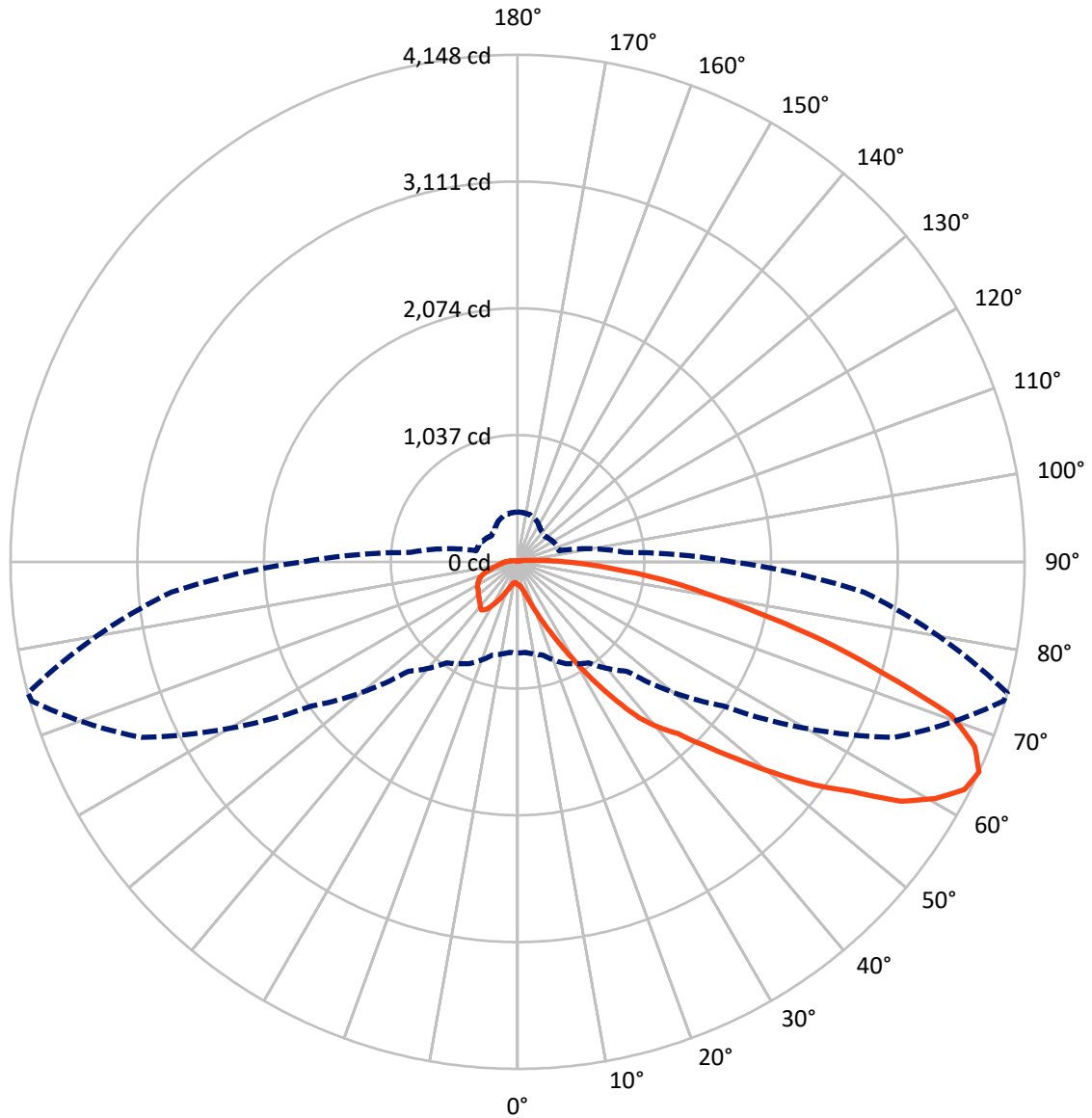
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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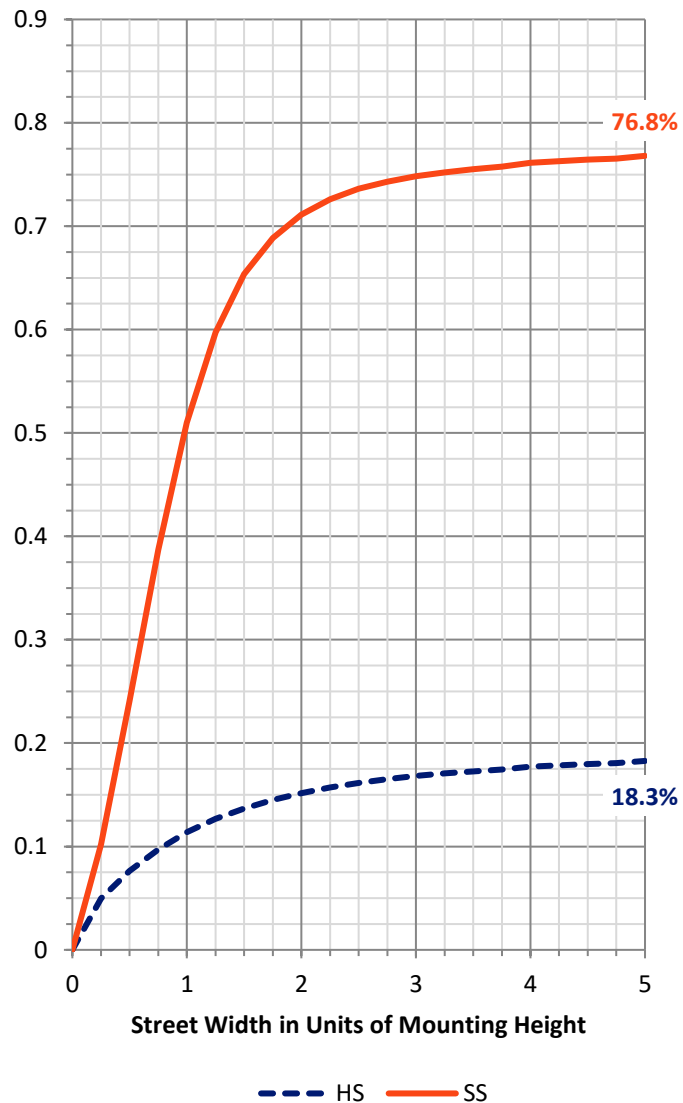
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.0	80.1	1089.1
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	4100.5	80.4	4180.8
	% Fixture	77.8	1.5	79.3
Total	Lumens	5109.5	160.5	5270.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.4
10°-20°	80.4	1.5
20°-30°	251.2	4.8
30°-40°	597.1	11.3
40°-50°	924.4	17.5
50°-60°	1153.4	21.9
60°-70°	1128.6	21.4
70°-80°	686.3	13.0
80°-90°	269.5	5.1
90°-100°	84.1	1.6
100°-110°	33.6	0.6
110°-120°	18.6	0.4
120°-130°	12.2	0.2
130°-140°	8.1	0.2
140°-150°	3.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5109.5	97.0
0°-180°	5270.0	100.0

Coefficient of Utilization



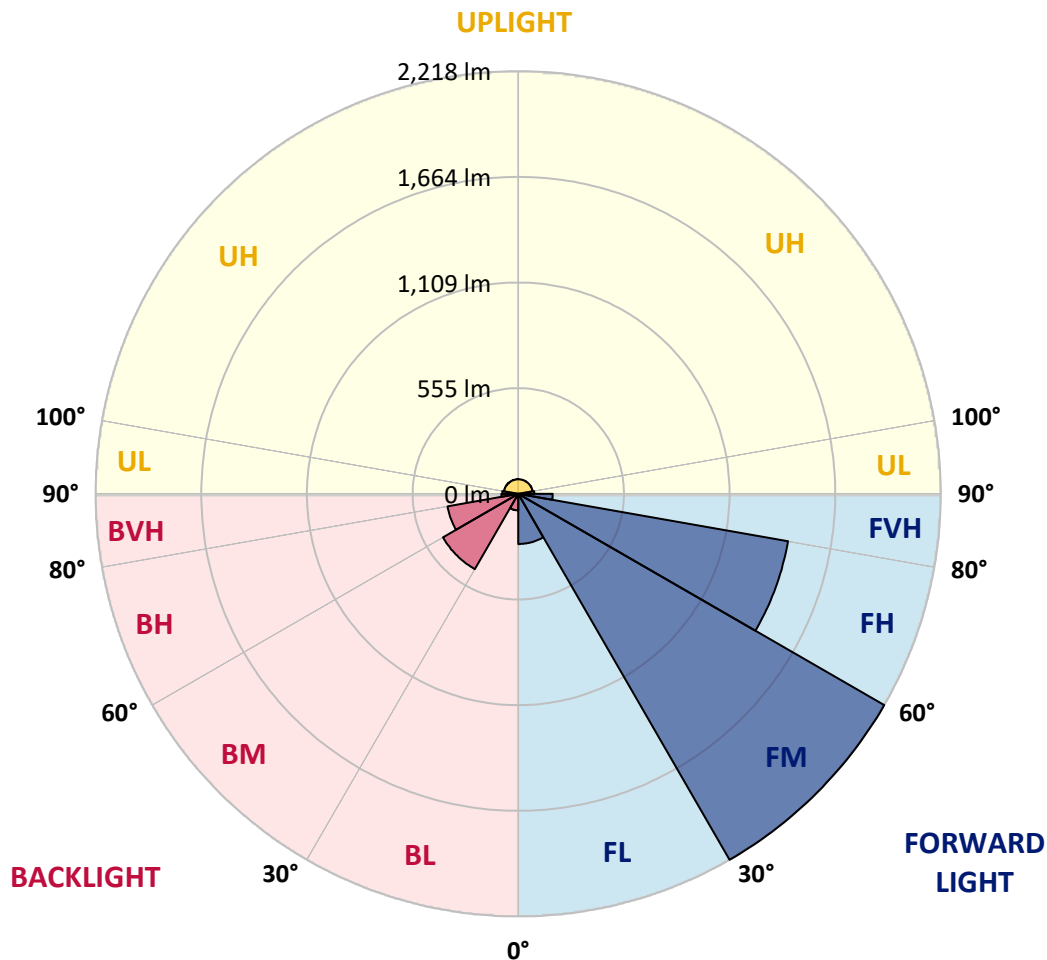
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.4	5.0			
FM (30°-60°)	2218.3	42.1			
FH (60°-80°)	1437.9	27.3			G1/1800
FVH (80°-90°)	180.9	3.4			G2/225
BL (0°-30°)	86.9	1.6	B0/110		
BM (30°-60°)	456.5	8.7	B1/1000		
BH (60°-80°)	377.0	7.2	B1/500		G1/500
BVH (80°-90°)	88.7	1.7			G1/100
UL (90°-100°)	84.1	1.6		U3/500	
UH (100°-180°)	76.4	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	204.6	206.5	204.6	202.6	200.7	198.7	194.8	192.9	189.0	189.0	185.1
5°	237.7	237.7	237.7	231.8	227.9	224.0	214.3	206.5	198.7	196.8	190.9
7.5°	278.6	274.7	272.7	266.9	259.1	251.3	237.7	224.0	212.3	210.4	198.7
10°	327.3	325.3	323.4	315.6	302.0	288.3	268.8	251.3	231.8	229.9	210.4
12.5°	393.5	391.6	383.8	374.0	354.6	333.1	309.8	288.3	263.0	261.0	233.8
15°	465.6	467.5	461.7	442.2	422.7	393.5	366.2	340.9	313.6	305.9	270.8
17.5°	574.7	572.7	559.1	526.0	502.6	471.4	436.4	403.3	370.1	364.3	319.5
20°	693.5	697.4	677.9	631.2	594.2	557.2	527.9	479.2	446.1	442.2	379.9
22.5°	845.5	855.2	814.3	767.6	705.2	662.4	633.1	586.4	539.6	539.6	459.8
25°	1044.2	1048.1	993.5	917.6	839.6	773.4	748.1	718.9	664.3	656.5	563.0
27.5°	1248.7	1260.4	1196.1	1096.8	979.9	900.0	884.4	868.9	802.6	800.7	670.2
30°	1566.3	1560.4	1451.4	1309.1	1139.7	1034.5	1024.7	1042.2	979.9	972.1	810.4
32.5°	1854.6	1844.9	1728.0	1541.0	1309.1	1184.5	1168.9	1227.3	1184.5	1182.5	970.2
35°	2092.3	2078.6	1973.4	1763.1	1492.3	1322.8	1332.5	1429.9	1408.5	1398.8	1116.3
37.5°	2203.3	2226.7	2137.1	1932.5	1650.1	1465.0	1509.8	1654.0	1634.5	1620.8	1276.0
40°	2279.3	2310.5	2217.0	2024.1	1759.2	1591.6	1663.7	1839.0	1798.1	1780.6	1344.2
42.5°	2306.6	2331.9	2269.6	2076.7	1825.4	1687.1	1782.5	1975.4	1950.1	1920.9	1441.6
45°	2289.0	2320.2	2271.5	2100.1	1858.5	1745.5	1870.2	2148.8	2168.3	2144.9	1579.9
47.5°	2220.9	2255.9	2238.4	2100.1	1868.3	1774.7	1975.4	2368.9	2413.7	2402.0	1731.9
50°	2037.7	2076.7	2107.9	2059.2	1858.5	1784.5	2092.3	2587.1	2719.6	2711.8	1942.3
52.5°	1889.7	1920.9	1932.5	1930.6	1821.5	1798.1	2203.3	2871.5	3039.1	3027.4	2131.2
55°	1691.0	1710.5	1766.9	1753.3	1698.8	1778.6	2287.1	3080.0	3327.4	3313.8	2347.5
57.5°	1348.1	1381.2	1486.4	1597.5	1546.8	1714.3	2324.1	3269.0	3713.1	3695.6	2596.8
60°	1147.4	1157.2	1217.6	1322.8	1392.9	1585.8	2310.5	3463.8	3945.0	3929.4	2709.8
62.5°	935.1	940.9	1016.9	1106.5	1205.9	1443.6	2230.6	3475.5	4095.0	4102.7	2820.9
65°	746.1	744.2	789.0	917.6	1009.1	1266.3	2057.2	3397.5	4133.9	4147.6	2842.3
67.5°	568.9	586.4	644.8	711.1	835.7	1061.7	1809.8	3193.0	4028.7	4032.6	2754.6
70°	391.6	399.4	453.9	559.1	652.6	880.6	1537.1	2877.4	3763.8	3763.8	2505.3
72.5°	282.5	292.2	319.5	387.7	504.6	689.6	1270.2	2470.2	3171.5	3140.4	2098.1
75°	210.4	212.3	237.7	278.6	356.5	537.7	987.7	1942.3	2575.4	2585.2	1724.1
77.5°	163.6	165.6	177.3	206.5	261.0	391.6	734.4	1498.1	2006.6	2010.5	1330.6
80°	136.4	138.3	144.2	159.7	194.8	280.5	539.6	1128.0	1550.7	1552.7	1036.4
82.5°	113.0	114.9	120.8	130.5	152.0	208.4	387.7	863.0	1174.7	1190.3	777.3
85°	95.5	97.4	101.3	109.1	124.7	161.7	280.5	619.5	828.0	822.1	537.7
87.5°	77.9	77.9	83.8	89.6	101.3	130.5	206.5	424.7	561.1	555.2	374.0
90°	58.4	60.4	64.3	72.1	83.8	103.3	150.0	278.6	348.7	348.7	237.7
92.5°	42.9	42.9	48.7	56.5	66.2	83.8	109.1	177.3	208.4	210.4	153.9
95°	31.2	31.2	35.1	39.0	50.7	66.2	79.9	109.1	128.6	124.7	105.2
97.5°	25.3	25.3	27.3	31.2	39.0	52.6	62.3	77.9	85.7	85.7	77.9
100°	21.4	21.4	23.4	23.4	31.2	42.9	50.7	56.5	62.3	64.3	62.3
102.5°	17.5	19.5	19.5	19.5	25.3	37.0	40.9	44.8	48.7	48.7	48.7
105°	15.6	15.6	17.5	17.5	21.4	31.2	35.1	37.0	39.0	39.0	39.0
107.5°	13.6	13.6	15.6	15.6	19.5	27.3	29.2	29.2	31.2	31.2	31.2
110°	13.6	13.6	13.6	13.6	17.5	23.4	23.4	23.4	23.4	23.4	25.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	11.7	11.7	13.6	13.6	15.6	21.4	21.4	19.5	19.5	19.5	23.4
115°	11.7	11.7	11.7	13.6	15.6	17.5	17.5	17.5	17.5	17.5	19.5
117.5°	11.7	11.7	11.7	13.6	13.6	17.5	15.6	15.6	15.6	15.6	17.5
120°	11.7	11.7	11.7	11.7	13.6	15.6	15.6	13.6	13.6	13.6	15.6
122.5°	11.7	11.7	11.7	11.7	13.6	13.6	13.6	11.7	11.7	11.7	15.6
125°	11.7	11.7	13.6	13.6	13.6	13.6	13.6	11.7	11.7	11.7	13.6
127.5°	13.6	13.6	13.6	13.6	11.7	13.6	11.7	11.7	11.7	11.7	13.6
130°	15.6	15.6	15.6	13.6	11.7	11.7	11.7	11.7	11.7	11.7	13.6
132.5°	15.6	15.6	15.6	13.6	11.7	11.7	9.7	9.7	11.7	11.7	11.7
135°	15.6	15.6	13.6	11.7	11.7	9.7	9.7	9.7	9.7	9.7	11.7
137.5°	13.6	13.6	13.6	11.7	9.7	9.7	7.8	7.8	9.7	9.7	9.7
140°	11.7	11.7	11.7	9.7	7.8	7.8	5.8	5.8	7.8	7.8	7.8
142.5°	9.7	9.7	9.7	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8
145°	7.8	7.8	7.8	5.8	5.8	5.8	3.9	3.9	5.8	5.8	5.8
147.5°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	5.8	5.8	5.8	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9
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°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	185.1	183.1	179.2	177.3	173.4	171.4	169.5	167.5	169.5	167.5	167.5
5°	187.0	183.1	175.3	167.5	161.7	157.8	153.9	150.0	150.0	148.1	146.1
7.5°	190.9	185.1	171.4	161.7	150.0	142.2	136.4	132.5	130.5	128.6	128.6
10°	200.7	190.9	173.4	155.8	142.2	130.5	122.7	118.8	114.9	114.9	114.9
12.5°	220.1	208.4	181.2	155.8	136.4	122.7	113.0	109.1	109.1	109.1	109.1
15°	253.3	233.8	198.7	165.6	138.3	118.8	113.0	114.9	118.8	122.7	120.8
17.5°	294.2	270.8	222.1	179.2	146.1	128.6	124.7	130.5	136.4	140.3	142.2
20°	344.8	309.8	247.4	192.9	159.7	148.1	144.2	150.0	157.8	163.6	163.6
22.5°	411.1	364.3	280.5	212.3	179.2	167.5	163.6	169.5	179.2	185.1	185.1
25°	494.8	430.5	321.4	237.7	200.7	183.1	183.1	190.9	204.6	212.3	214.3
27.5°	588.3	500.7	358.5	268.8	224.0	200.7	202.6	218.2	233.8	245.5	245.5
30°	689.6	584.4	401.3	296.1	241.6	218.2	220.1	239.6	261.0	276.6	274.7
32.5°	810.4	672.1	446.1	323.4	259.1	231.8	237.7	266.9	292.2	311.7	309.8
35°	933.2	748.1	475.3	348.7	274.7	243.5	253.3	290.3	319.5	337.0	337.0
37.5°	1028.6	810.4	492.9	362.4	288.3	253.3	264.9	305.9	337.0	352.6	350.7
40°	1061.7	810.4	479.2	364.3	294.2	261.0	274.7	313.6	340.9	350.7	344.8
42.5°	1112.4	826.0	459.8	352.6	296.1	266.9	278.6	313.6	331.2	333.1	329.2
45°	1184.5	851.3	446.1	344.8	292.2	268.8	278.6	307.8	329.2	335.1	331.2
47.5°	1276.0	876.7	430.5	340.9	292.2	268.8	278.6	313.6	335.1	335.1	331.2
50°	1392.9	917.6	422.7	342.9	298.1	270.8	284.4	321.4	340.9	337.0	335.1
52.5°	1482.5	927.3	409.1	348.7	303.9	274.7	290.3	329.2	346.8	339.0	337.0
55°	1599.4	950.7	393.5	348.7	313.6	284.4	298.1	337.0	350.7	340.9	339.0
57.5°	1720.2	976.0	391.6	346.8	317.5	292.2	305.9	342.9	354.6	346.8	344.8
60°	1753.3	946.8	379.9	352.6	319.5	300.0	311.7	348.7	366.2	362.4	362.4
62.5°	1780.6	923.4	366.2	350.7	325.3	300.0	317.5	358.5	385.7	385.7	385.7
65°	1761.1	878.6	350.7	342.9	323.4	302.0	325.3	370.1	397.4	405.2	407.2
67.5°	1679.3	816.3	335.1	331.2	313.6	302.0	327.3	370.1	403.3	415.0	415.0
70°	1504.0	713.0	307.8	307.8	300.0	290.3	321.4	364.3	391.6	405.2	405.2
72.5°	1260.4	590.3	266.9	276.6	274.7	272.7	305.9	344.8	362.4	374.0	372.1
75°	1003.3	475.3	231.8	235.7	239.6	245.5	280.5	311.7	317.5	327.3	325.3
77.5°	787.0	379.9	196.8	200.7	204.6	218.2	251.3	270.8	274.7	280.5	278.6
80°	615.6	311.7	169.5	169.5	175.3	189.0	216.2	233.8	241.6	245.5	239.6
82.5°	479.2	255.2	150.0	144.2	150.0	161.7	183.1	198.7	204.6	204.6	202.6
85°	340.9	204.6	132.5	124.7	126.6	138.3	157.8	167.5	171.4	169.5	165.6
87.5°	249.4	167.5	116.9	105.2	107.1	122.7	136.4	142.2	144.2	146.1	142.2
90°	175.3	134.4	101.3	87.7	87.7	103.3	116.9	118.8	120.8	120.8	118.8
92.5°	124.7	105.2	83.8	72.1	72.1	85.7	95.5	93.5	95.5	93.5	89.6
95°	91.6	81.8	70.1	58.4	56.5	66.2	70.1	68.2	70.1	68.2	68.2
97.5°	72.1	66.2	58.4	48.7	44.8	50.7	52.6	52.6	56.5	52.6	52.6
100°	58.4	54.5	50.7	40.9	37.0	40.9	42.9	44.8	46.8	44.8	44.8
102.5°	48.7	46.8	42.9	37.0	33.1	35.1	37.0	39.0	40.9	40.9	39.0
105°	39.0	39.0	37.0	31.2	29.2	29.2	31.2	33.1	37.0	37.0	37.0
107.5°	31.2	33.1	31.2	27.3	25.3	25.3	27.3	29.2	31.2	33.1	33.1
110°	27.3	27.3	27.3	23.4	23.4	23.4	23.4	25.3	29.2	31.2	31.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	23.4	23.4	21.4	21.4	21.4	21.4	21.4	25.3	27.3	29.2
115°	21.4	21.4	21.4	19.5	19.5	19.5	19.5	19.5	23.4	25.3	25.3
117.5°	19.5	19.5	19.5	17.5	17.5	17.5	17.5	17.5	19.5	23.4	23.4
120°	17.5	17.5	17.5	15.6	15.6	15.6	15.6	15.6	17.5	21.4	21.4
122.5°	15.6	15.6	15.6	15.6	13.6	13.6	13.6	13.6	15.6	19.5	19.5
125°	13.6	15.6	13.6	13.6	13.6	13.6	11.7	13.6	15.6	17.5	17.5
127.5°	13.6	13.6	13.6	13.6	11.7	11.7	11.7	11.7	13.6	15.6	15.6
130°	13.6	13.6	13.6	11.7	11.7	9.7	9.7	11.7	11.7	13.6	13.6
132.5°	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	11.7	11.7	11.7
135°	11.7	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	9.7	9.7	7.8	7.8	7.8	7.8	9.7	9.7	9.7
140°	7.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
145°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8	5.8	5.8
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°	3.9	3.9	3.9	3.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9
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

(END OF REPORT)