

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: P695613

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-730-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5630 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

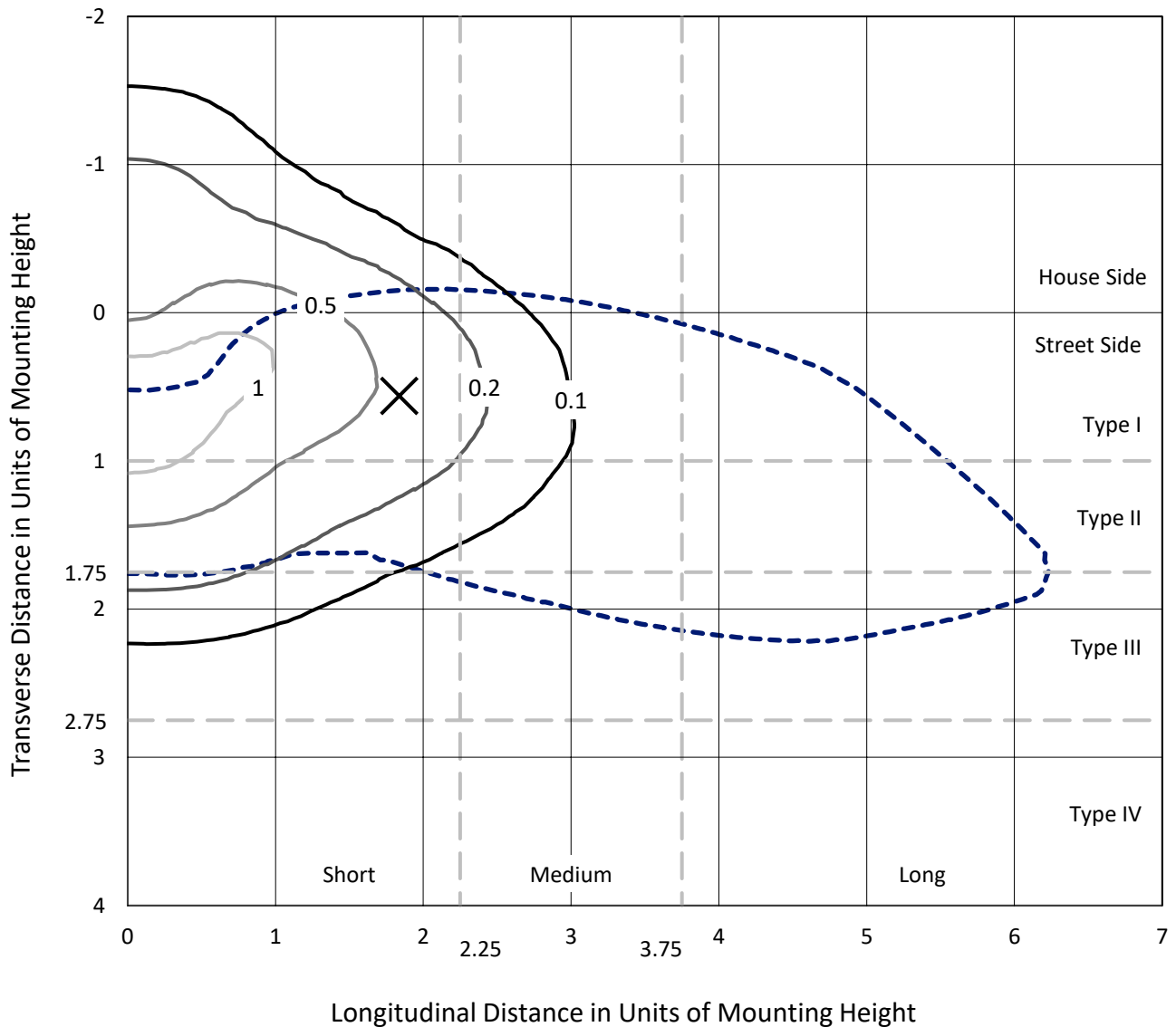
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

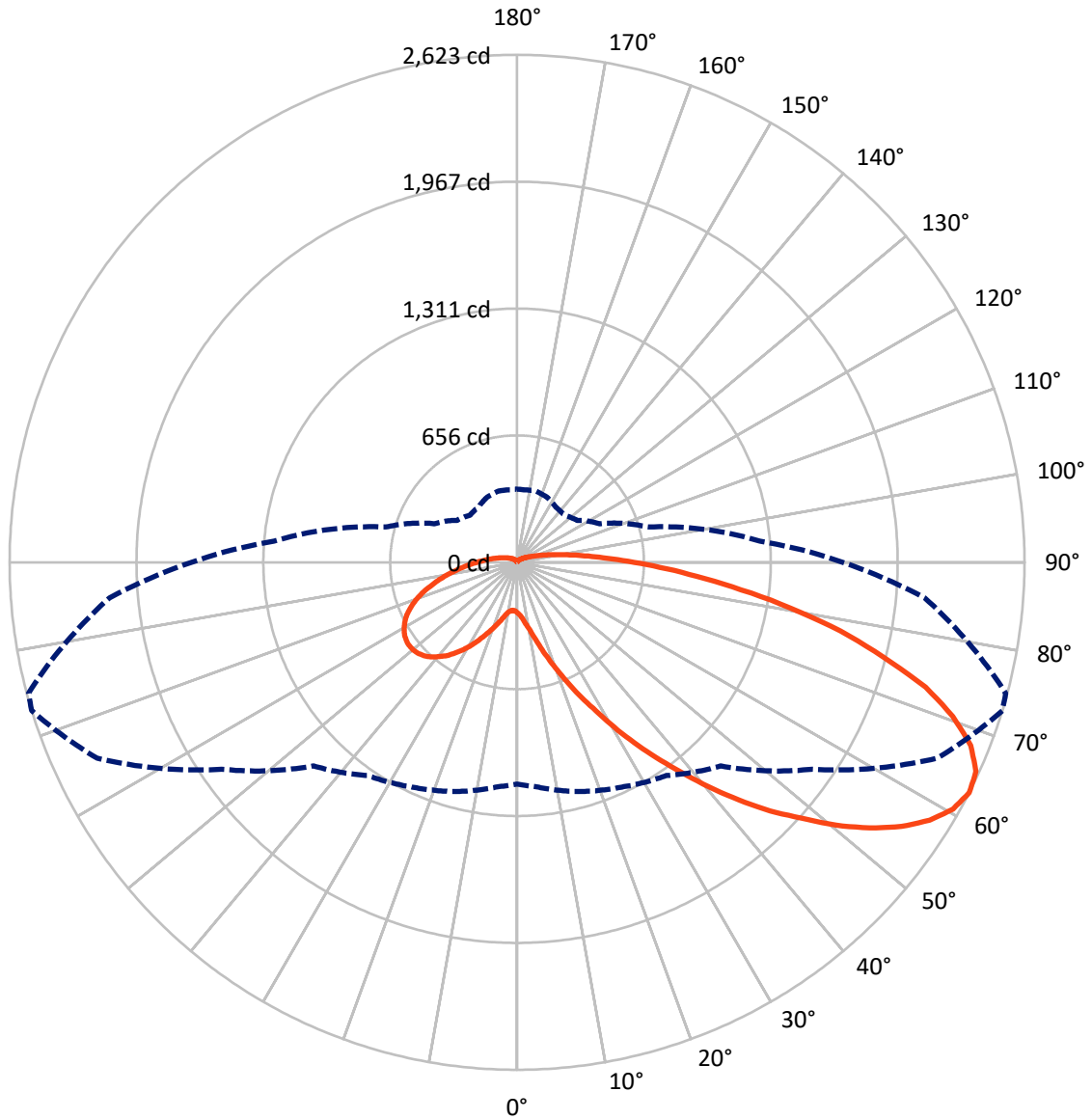
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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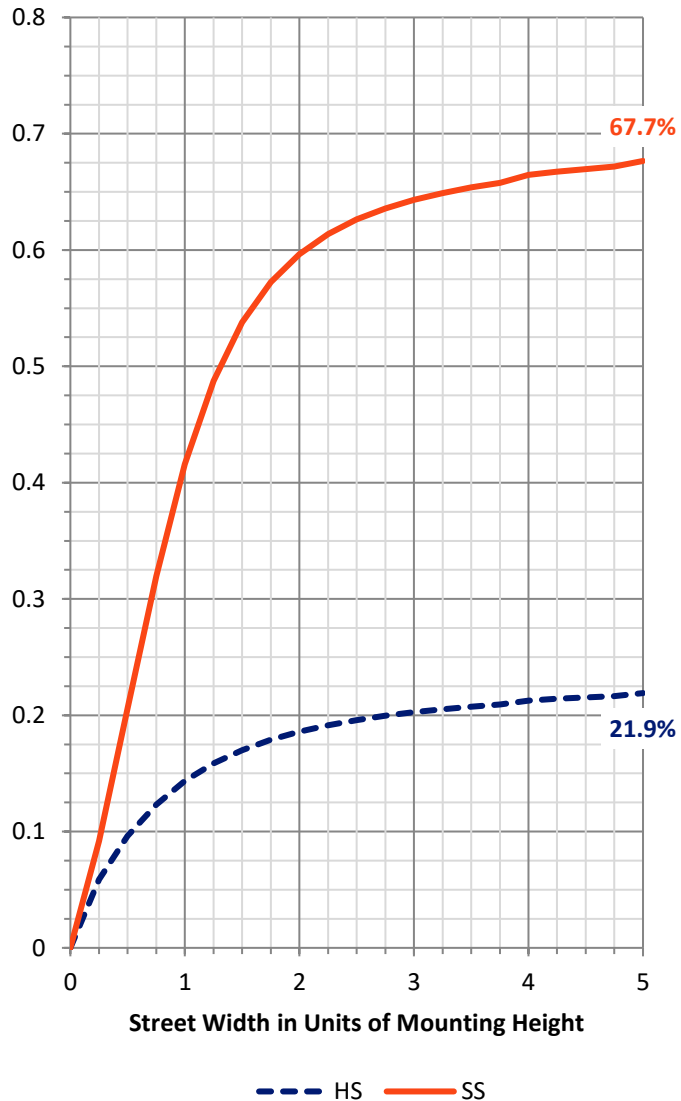
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1302.3	170.3	1472.6
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	3919.5	237.9	4157.4
	% Fixture	69.6	4.2	73.8
Total	Lumens	5221.8	408.2	5630.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.5
10°-20°	114.7	2.0
20°-30°	296.0	5.3
30°-40°	579.7	10.3
40°-50°	885.4	15.7
50°-60°	1078.5	19.2
60°-70°	1042.9	18.5
70°-80°	770.3	13.7
80°-90°	427.0	7.6
90°-100°	202.8	3.6
100°-110°	99.9	1.8
110°-120°	53.7	1.0
120°-130°	29.9	0.5
130°-140°	15.6	0.3
140°-150°	6.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5221.8	92.7
0°-180°	5630.0	100.0

Coefficient of Utilization



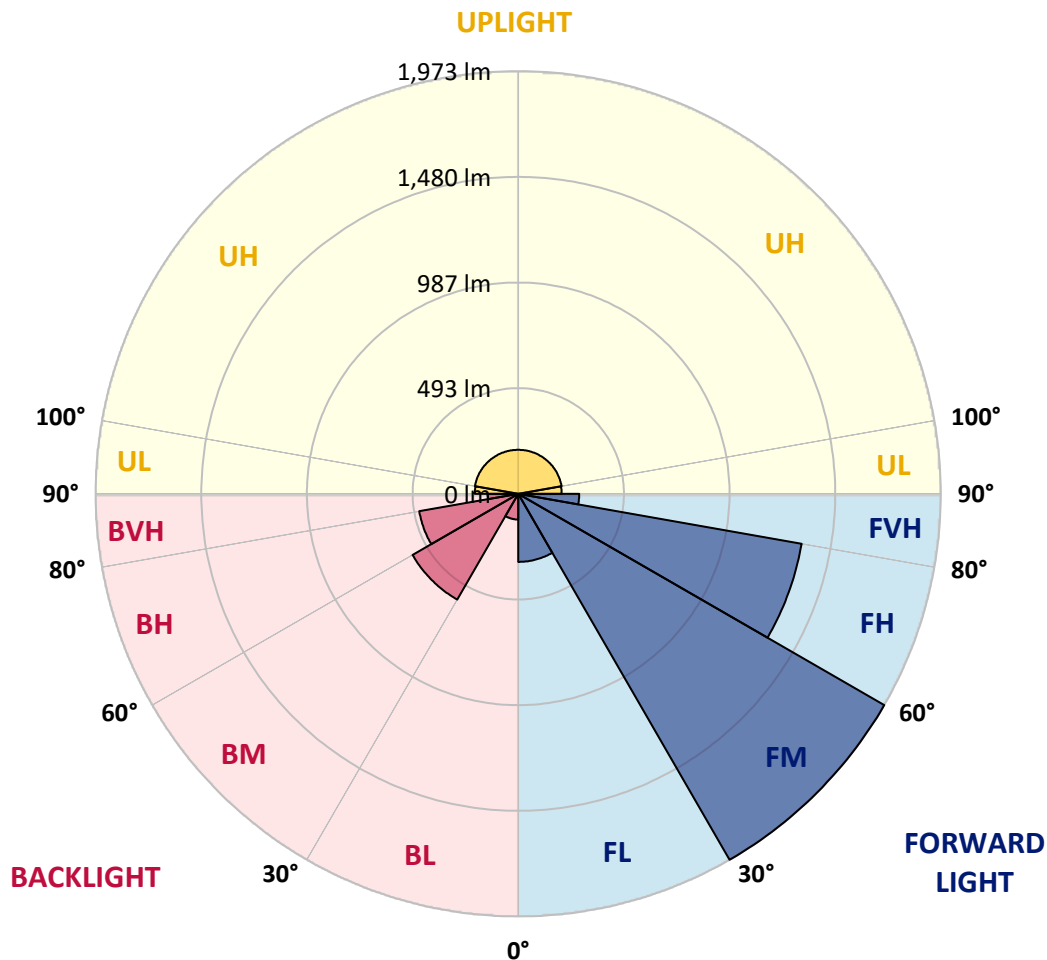
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.9	5.6			
FM (30°-60°)	1973.3	35.0			
FH (60°-80°)	1343.8	23.9			G1/1800
FVH (80°-90°)	284.5	5.1			G3/500
BL (0°-30°)	120.1	2.1	B1/500		
BM (30°-60°)	570.3	10.1	B1/1000		
BH (60°-80°)	469.4	8.3	B1/500		G1/500
BVH (80°-90°)	142.6	2.5			G2/225
UL (90°-100°)	202.8	3.6		U3/500	
UH (100°-180°)	205.4	3.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	295.4	293.3	295.4	293.3	289.1	284.8	280.5	274.2	272.0	269.9	263.5
5°	344.3	346.4	344.3	335.8	331.6	323.1	314.6	301.8	291.2	289.1	276.3
7.5°	403.8	401.7	399.6	393.2	382.6	367.7	352.8	335.8	320.9	316.7	295.4
10°	474.0	467.6	469.7	454.8	442.1	422.9	403.8	378.3	352.8	348.6	320.9
12.5°	554.7	552.6	548.3	529.2	510.1	488.8	459.1	427.2	399.6	391.1	357.1
15°	652.5	644.0	639.7	618.5	593.0	565.3	529.2	491.0	457.0	450.6	401.7
17.5°	760.9	750.3	737.5	709.9	684.4	648.2	605.7	563.2	522.8	514.3	452.7
20°	873.5	869.3	854.4	820.4	782.1	743.9	697.1	646.1	595.1	584.5	514.3
22.5°	1009.6	1005.3	979.8	937.3	890.5	845.9	792.8	737.5	680.1	663.1	580.2
25°	1158.3	1145.6	1115.8	1062.7	1009.6	947.9	894.8	835.3	773.6	752.4	656.7
27.5°	1309.2	1298.6	1258.2	1198.7	1126.4	1058.4	998.9	941.5	869.3	858.6	735.4
30°	1458.0	1458.0	1404.9	1336.9	1241.2	1164.7	1107.3	1054.2	988.3	973.4	831.0
32.5°	1606.8	1602.5	1557.9	1466.5	1360.2	1271.0	1215.7	1171.1	1111.6	1083.9	935.2
35°	1744.9	1742.8	1683.3	1585.5	1468.6	1375.1	1328.4	1298.6	1239.1	1215.7	1039.3
37.5°	1872.5	1863.9	1798.1	1698.2	1555.8	1464.4	1436.7	1434.6	1375.1	1345.4	1149.8
40°	1959.6	1953.2	1895.8	1783.2	1636.5	1547.3	1545.1	1568.5	1526.0	1494.1	1264.6
42.5°	2012.7	2004.2	1957.5	1846.9	1700.3	1617.4	1642.9	1702.4	1679.0	1642.9	1381.5
45°	2025.5	2019.1	1980.8	1878.8	1742.8	1674.8	1730.1	1836.3	1832.1	1798.1	1496.3
47.5°	1993.6	1993.6	1968.1	1883.1	1759.8	1713.0	1815.1	1966.0	1974.5	1957.5	1617.4
50°	1932.0	1927.7	1921.3	1853.3	1753.4	1734.3	1881.0	2097.7	2136.0	2110.5	1742.8
52.5°	1827.8	1825.7	1832.1	1793.8	1721.5	1732.2	1927.7	2210.4	2280.5	2257.1	1849.1
55°	1689.7	1685.4	1713.0	1702.4	1659.9	1706.7	1951.1	2301.8	2410.2	2388.9	1953.2
57.5°	1523.9	1515.4	1568.5	1587.7	1574.9	1657.8	1951.1	2365.5	2514.3	2495.2	2034.0
60°	1332.6	1339.0	1394.2	1447.4	1462.3	1583.4	1919.2	2397.4	2588.7	2575.9	2087.1
62.5°	1145.6	1164.7	1226.3	1281.6	1345.4	1487.8	1863.9	2395.3	2622.7	2614.2	2114.7
65°	967.0	988.3	1049.9	1126.4	1205.1	1375.1	1778.9	2344.3	2605.7	2601.5	2102.0
67.5°	801.3	816.1	879.9	969.2	1062.7	1249.7	1659.9	2248.6	2529.2	2531.3	2042.5
70°	658.9	667.4	735.4	824.6	920.3	1109.4	1517.5	2097.7	2388.9	2395.3	1929.8
72.5°	542.0	556.8	607.9	690.7	792.8	981.9	1366.6	1915.0	2208.3	2206.1	1778.9
75°	442.1	450.6	503.7	578.1	667.4	845.9	1203.0	1696.0	1953.2	1970.2	1583.4
77.5°	357.1	363.4	416.6	482.5	569.6	726.9	1035.1	1468.6	1708.8	1704.5	1377.2
80°	289.1	297.6	342.2	401.7	480.3	618.5	875.7	1230.6	1432.5	1436.7	1145.6
82.5°	231.7	240.2	280.5	333.7	410.2	518.6	735.4	1030.8	1166.8	1166.8	945.8
85°	184.9	193.4	231.7	278.4	340.1	440.0	603.6	824.6	930.9	937.3	765.1
87.5°	150.9	155.2	189.2	233.8	286.9	369.8	497.3	652.5	737.5	729.0	601.5
90°	121.1	125.4	155.2	193.4	242.3	310.3	405.9	527.1	571.7	569.6	469.7
92.5°	99.9	102.0	129.6	165.8	206.2	261.4	333.7	410.2	444.2	442.1	371.9
95°	82.9	85.0	110.5	140.3	176.4	221.0	272.0	329.4	350.7	346.4	291.2
97.5°	70.1	70.1	93.5	121.1	153.0	187.0	227.4	263.5	274.2	272.0	233.8
100°	59.5	59.5	78.6	106.3	133.9	161.5	189.2	210.4	214.7	216.8	184.9
102.5°	51.0	53.1	70.1	93.5	114.8	138.1	157.3	172.2	172.2	170.0	146.7
105°	46.8	46.8	59.5	80.8	102.0	119.0	133.9	142.4	138.1	133.9	116.9
107.5°	40.4	40.4	53.1	72.3	89.3	104.1	114.8	116.9	110.5	108.4	97.8
110°	36.1	38.3	46.8	63.8	80.8	91.4	97.8	97.8	91.4	89.3	80.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	34.0	34.0	42.5	57.4	70.1	80.8	85.0	82.9	76.5	74.4	68.0
115°	31.9	31.9	38.3	51.0	63.8	72.3	74.4	70.1	63.8	61.6	57.4
117.5°	29.8	29.8	34.0	44.6	57.4	63.8	65.9	59.5	53.1	53.1	51.0
120°	27.6	27.6	31.9	40.4	51.0	57.4	57.4	51.0	46.8	44.6	44.6
122.5°	27.6	27.6	29.8	36.1	44.6	48.9	51.0	44.6	40.4	38.3	38.3
125°	25.5	25.5	27.6	31.9	40.4	44.6	42.5	38.3	34.0	34.0	34.0
127.5°	25.5	25.5	25.5	29.8	34.0	38.3	38.3	34.0	29.8	29.8	31.9
130°	23.4	23.4	23.4	25.5	29.8	34.0	31.9	27.6	25.5	25.5	27.6
132.5°	23.4	23.4	23.4	23.4	25.5	29.8	27.6	23.4	23.4	23.4	23.4
135°	21.3	21.3	21.3	21.3	23.4	23.4	23.4	21.3	19.1	21.3	21.3
137.5°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	17.0	17.0	17.0	19.1
140°	17.0	17.0	17.0	17.0	14.9	14.9	14.9	12.8	14.9	14.9	17.0
142.5°	17.0	17.0	14.9	14.9	12.8	12.8	10.6	10.6	12.8	12.8	12.8
145°	14.9	14.9	12.8	10.6	8.5	8.5	8.5	8.5	8.5	10.6	10.6
147.5°	10.6	10.6	10.6	8.5	6.4	4.3	4.3	6.4	6.4	6.4	8.5
150°	8.5	8.5	8.5	6.4	4.3	2.1	2.1	4.3	4.3	4.3	6.4
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°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	261.4	259.3	252.9	248.7	244.4	242.3	238.0	235.9	235.9	233.8	235.9
5°	269.9	263.5	250.8	240.2	229.5	221.0	214.7	210.4	208.3	206.2	204.0
7.5°	284.8	274.2	255.0	238.0	221.0	208.3	197.7	191.3	187.0	182.8	182.8
10°	306.1	291.2	263.5	240.2	218.9	201.9	187.0	178.5	174.3	170.0	170.0
12.5°	337.9	318.8	282.7	246.5	221.0	199.8	184.9	174.3	170.0	167.9	165.8
15°	378.3	354.9	308.2	265.7	229.5	201.9	187.0	182.8	178.5	176.4	176.4
17.5°	425.1	393.2	335.8	284.8	244.4	214.7	199.8	193.4	191.3	189.2	187.0
20°	476.1	440.0	367.7	306.1	261.4	235.9	214.7	208.3	206.2	204.0	204.0
22.5°	537.7	488.8	401.7	329.4	282.7	252.9	233.8	223.2	221.0	221.0	218.9
25°	601.5	548.3	440.0	354.9	303.9	272.0	250.8	240.2	238.0	240.2	240.2
27.5°	675.9	607.9	480.3	382.6	325.2	286.9	267.8	257.2	257.2	261.4	261.4
30°	756.6	669.5	520.7	410.2	344.3	301.8	282.7	276.3	278.4	280.5	282.7
32.5°	835.3	735.4	559.0	437.8	359.2	314.6	297.6	295.4	297.6	301.8	301.8
35°	926.7	809.8	597.2	461.2	371.9	325.2	310.3	312.4	316.7	320.9	323.1
37.5°	1018.1	875.7	635.5	478.2	382.6	335.8	323.1	327.3	331.6	340.1	340.1
40°	1105.2	943.7	665.2	493.1	391.1	342.2	331.6	340.1	348.6	352.8	352.8
42.5°	1196.6	1011.7	697.1	503.7	397.4	348.6	340.1	352.8	361.3	363.4	363.4
45°	1290.1	1069.1	720.5	512.2	401.7	352.8	346.4	359.2	369.8	371.9	371.9
47.5°	1373.0	1122.2	737.5	514.3	401.7	354.9	350.7	365.6	376.2	376.2	376.2
50°	1460.1	1175.3	748.1	516.5	403.8	357.1	352.8	369.8	380.4	378.3	380.4
52.5°	1534.5	1217.8	752.4	512.2	401.7	354.9	354.9	374.1	384.7	380.4	380.4
55°	1600.4	1249.7	750.3	505.8	397.4	354.9	354.9	374.1	384.7	380.4	380.4
57.5°	1649.3	1268.8	741.8	497.3	393.2	352.8	354.9	374.1	384.7	380.4	380.4
60°	1679.0	1271.0	724.8	486.7	386.8	348.6	350.7	371.9	382.6	378.3	378.3
62.5°	1683.3	1260.3	703.5	471.8	378.3	344.3	348.6	369.8	380.4	376.2	378.3
65°	1659.9	1228.5	675.9	454.8	369.8	337.9	344.3	365.6	376.2	374.1	374.1
67.5°	1600.4	1173.2	637.6	433.6	357.1	329.4	337.9	357.1	371.9	367.7	367.7
70°	1504.8	1096.7	597.2	410.2	340.1	318.8	327.3	348.6	361.3	359.2	359.2
72.5°	1379.4	1005.3	548.3	382.6	323.1	306.1	316.7	335.8	346.4	346.4	344.3
75°	1228.5	903.3	495.2	352.8	303.9	291.2	303.9	318.8	327.3	325.2	323.1
77.5°	1066.9	792.8	444.2	323.1	282.7	274.2	284.8	301.8	306.1	303.9	299.7
80°	903.3	680.1	393.2	291.2	259.3	252.9	263.5	276.3	280.5	274.2	272.0
82.5°	754.5	567.5	342.2	261.4	235.9	231.7	242.3	250.8	250.8	246.5	240.2
85°	610.0	478.2	299.7	231.7	212.5	210.4	218.9	223.2	221.0	214.7	208.3
87.5°	491.0	391.1	257.2	206.2	189.2	187.0	193.4	195.5	191.3	182.8	178.5
90°	397.4	320.9	221.0	182.8	167.9	167.9	170.0	170.0	163.7	153.0	148.8
92.5°	316.7	263.5	191.3	159.4	150.9	146.7	148.8	146.7	138.1	131.8	125.4
95°	255.0	216.8	165.8	142.4	133.9	129.6	131.8	127.5	116.9	108.4	104.1
97.5°	206.2	178.5	142.4	125.4	119.0	114.8	114.8	108.4	102.0	91.4	87.1
100°	165.8	146.7	123.3	110.5	104.1	102.0	99.9	95.6	87.1	76.5	74.4
102.5°	133.9	123.3	106.3	97.8	93.5	91.4	89.3	82.9	74.4	63.8	63.8
105°	110.5	104.1	93.5	87.1	82.9	80.8	78.6	72.3	63.8	55.3	55.3
107.5°	91.4	87.1	80.8	76.5	74.4	72.3	70.1	63.8	55.3	46.8	48.9
110°	78.6	74.4	70.1	68.0	68.0	65.9	61.6	57.4	48.9	42.5	42.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	65.9	63.8	61.6	61.6	59.5	57.4	55.3	48.9	42.5	38.3	38.3
115°	57.4	55.3	55.3	55.3	53.1	53.1	48.9	44.6	36.1	34.0	34.0
117.5°	48.9	48.9	48.9	48.9	48.9	46.8	44.6	38.3	31.9	29.8	29.8
120°	44.6	44.6	42.5	42.5	42.5	42.5	38.3	34.0	27.6	27.6	27.6
122.5°	38.3	38.3	38.3	38.3	38.3	36.1	34.0	29.8	25.5	25.5	25.5
125°	34.0	34.0	34.0	36.1	34.0	34.0	29.8	25.5	21.3	23.4	23.4
127.5°	31.9	31.9	31.9	29.8	29.8	29.8	25.5	21.3	19.1	21.3	21.3
130°	27.6	27.6	27.6	27.6	27.6	25.5	23.4	19.1	17.0	19.1	19.1
132.5°	25.5	25.5	25.5	23.4	23.4	21.3	19.1	17.0	14.9	17.0	17.0
135°	21.3	21.3	21.3	21.3	19.1	19.1	17.0	12.8	14.9	14.9	14.9
137.5°	19.1	19.1	19.1	17.0	17.0	14.9	12.8	10.6	12.8	12.8	12.8
140°	17.0	17.0	17.0	14.9	12.8	12.8	10.6	10.6	10.6	12.8	12.8
142.5°	12.8	12.8	12.8	12.8	10.6	8.5	8.5	8.5	10.6	10.6	10.6
145°	10.6	10.6	10.6	8.5	8.5	6.4	6.4	6.4	8.5	8.5	8.5
147.5°	8.5	8.5	8.5	6.4	6.4	4.3	4.3	6.4	8.5	8.5	8.5
150°	6.4	6.4	6.4	4.3	4.3	2.1	4.3	4.3	6.4	6.4	6.4
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)