

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: P695611

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695611
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-PA16-60-730-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA 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: 5749.1 lumens
Efficiency: N/A
Efficacy: 92.7 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

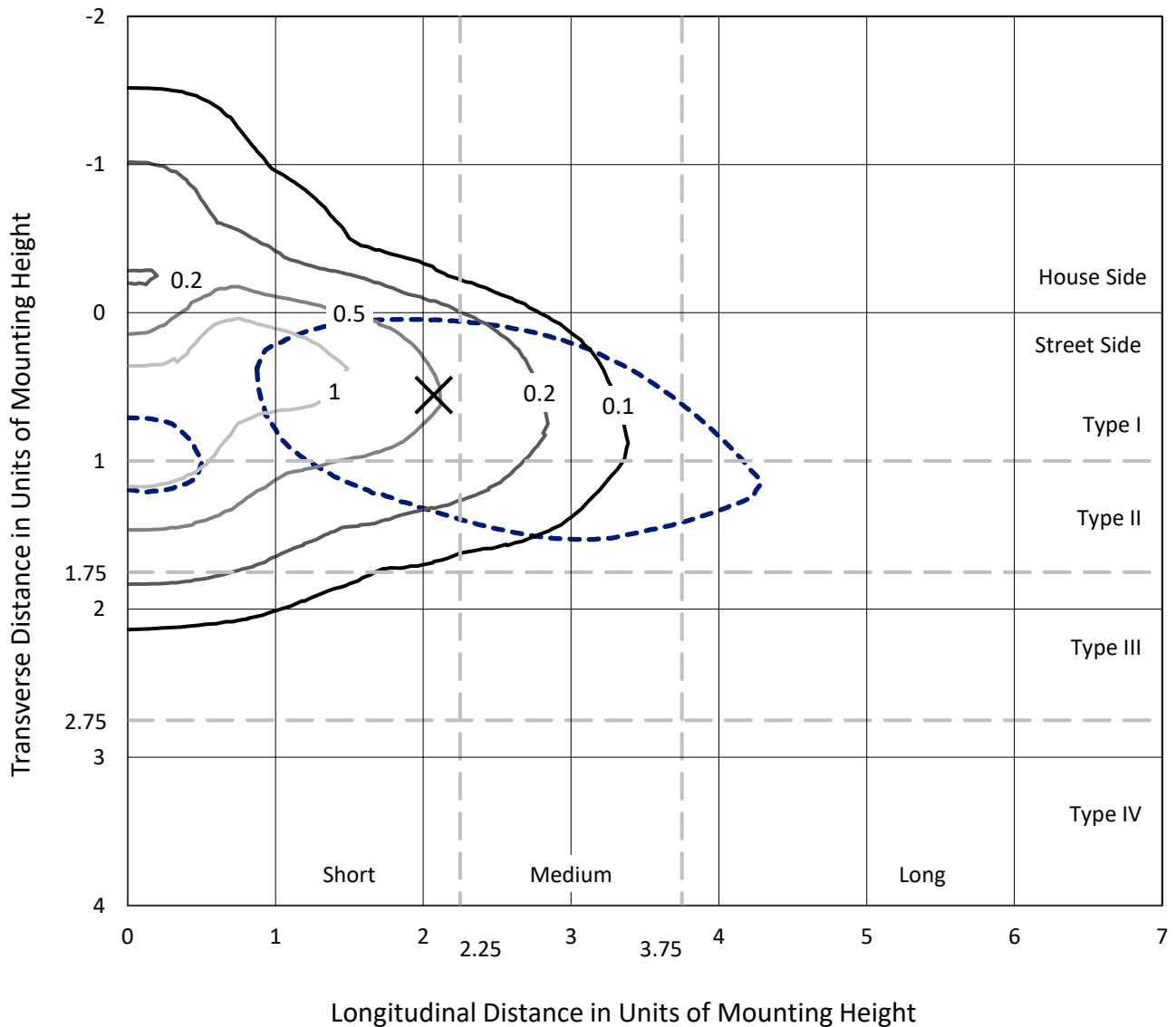
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

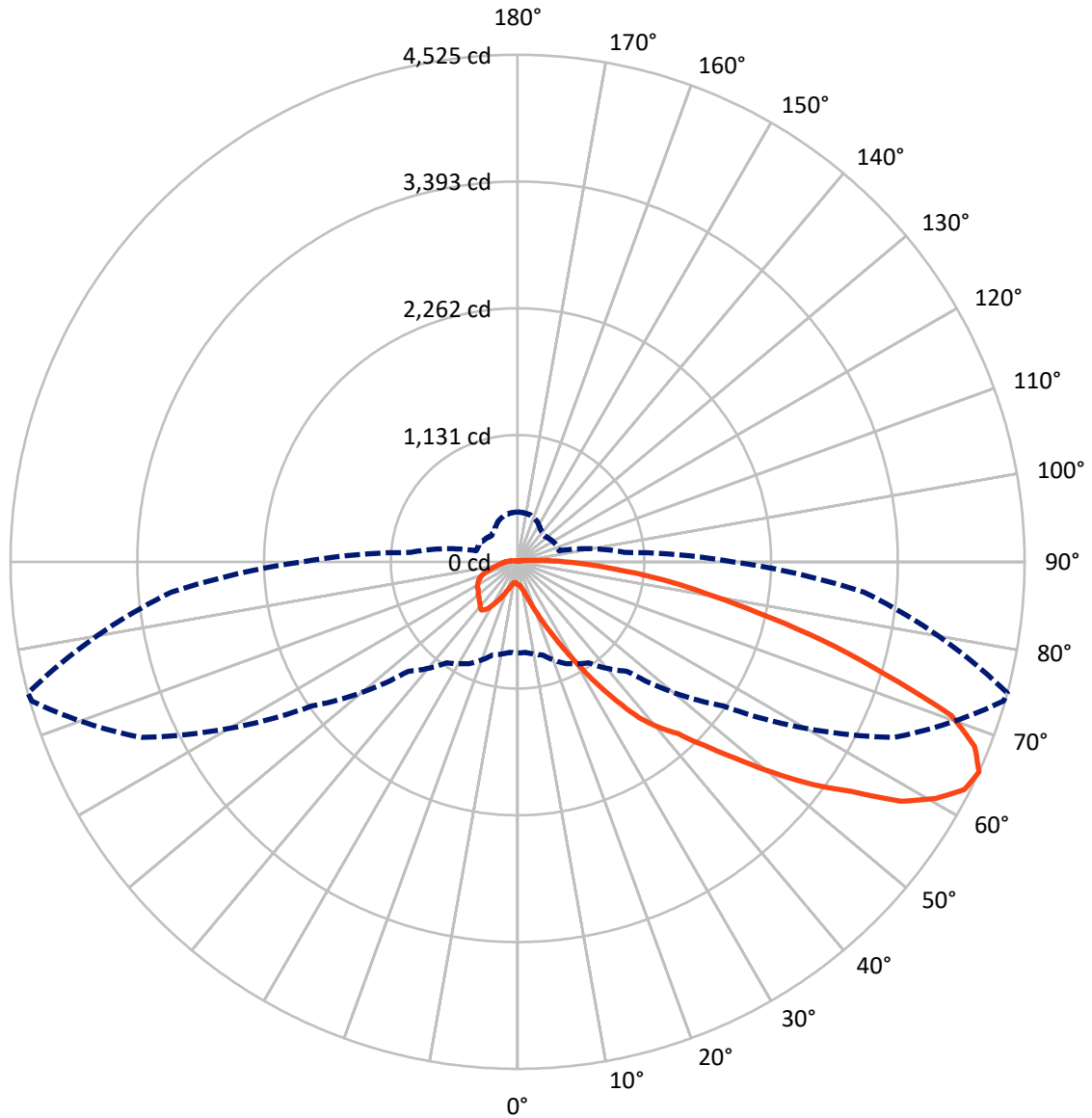
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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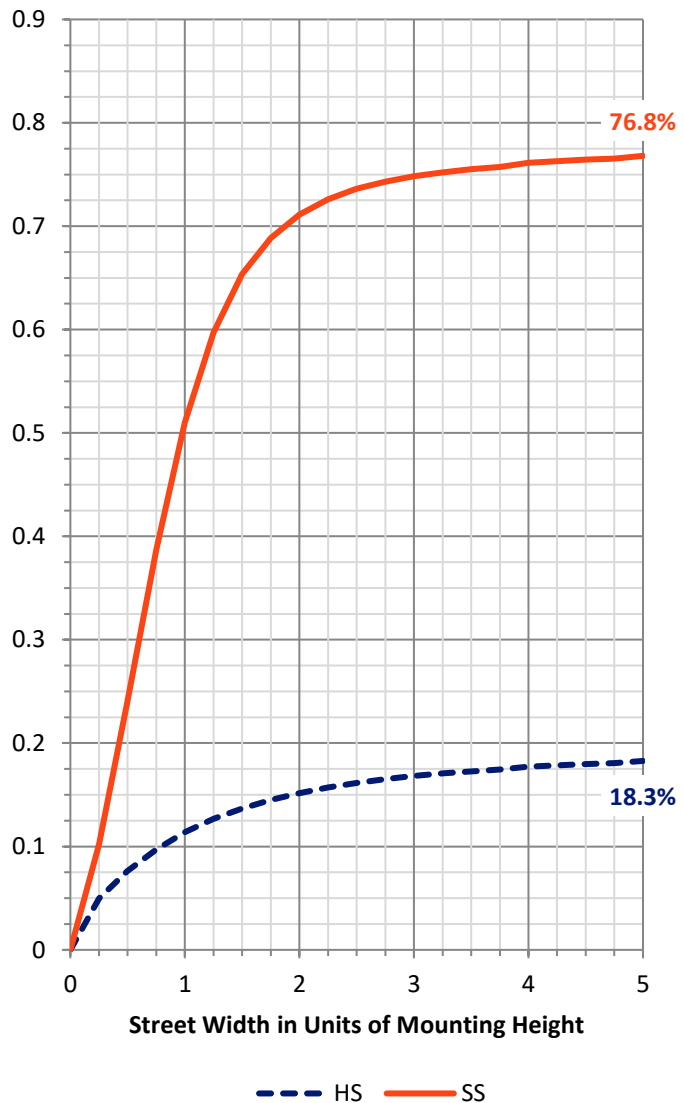
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.8	87.4	1188.2
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	4473.2	87.7	4560.9
	% Fixture	77.8	1.5	79.3
Total	Lumens	5573.9	175.2	5749.1
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.4
10°-20°	87.7	1.5
20°-30°	274.0	4.8
30°-40°	651.3	11.3
40°-50°	1008.4	17.5
50°-60°	1258.2	21.9
60°-70°	1231.1	21.4
70°-80°	748.7	13.0
80°-90°	294.0	5.1
90°-100°	91.7	1.6
100°-110°	36.7	0.6
110°-120°	20.3	0.4
120°-130°	13.3	0.2
130°-140°	8.9	0.2
140°-150°	4.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5573.9	97.0
0°-180°	5749.1	100.0

Coefficient of Utilization



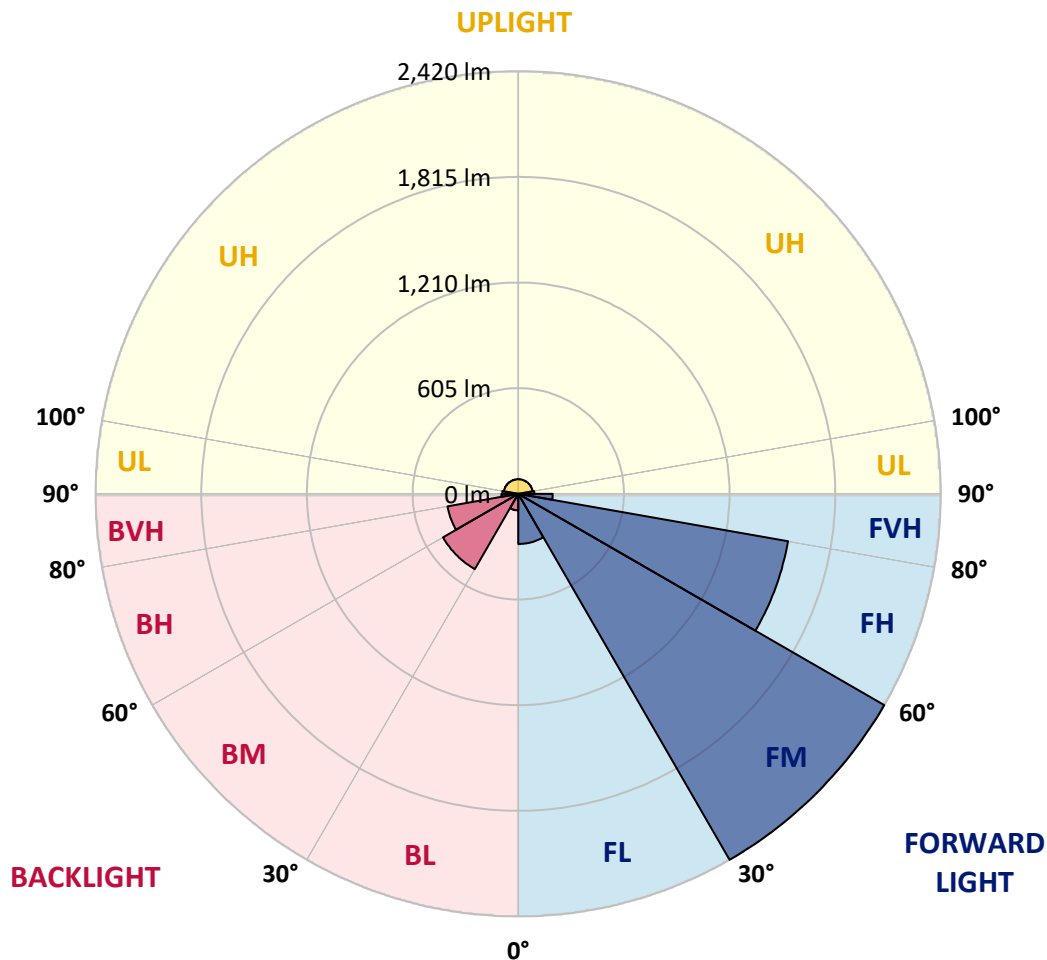
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.3	5.0			
FM (30°-60°)	2419.9	42.1			
FH (60°-80°)	1568.6	27.3			G1/1800
FVH (80°-90°)	197.3	3.4			G2/225
BL (0°-30°)	94.8	1.6	B0/110		
BM (30°-60°)	498.0	8.7	B1/1000		
BH (60°-80°)	411.3	7.2	B1/500		G1/500
BVH (80°-90°)	96.7	1.7			G1/100
UL (90°-100°)	91.7	1.6		U3/500	
UH (100°-180°)	83.4	1.5		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°	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9
2.5°	223.1	225.3	223.1	221.0	218.9	216.8	212.5	210.4	206.1	206.1	201.9
5°	259.3	259.3	259.3	252.9	248.6	244.4	233.8	225.3	216.8	214.6	208.3
7.5°	303.9	299.7	297.5	291.2	282.7	274.1	259.3	244.4	231.6	229.5	216.8
10°	357.0	354.9	352.8	344.3	329.4	314.5	293.3	274.1	252.9	250.8	229.5
12.5°	429.3	427.2	418.7	408.0	386.8	363.4	337.9	314.5	286.9	284.8	255.0
15°	507.9	510.0	503.7	482.4	461.2	429.3	399.5	371.9	342.2	333.7	295.4
17.5°	626.9	624.8	609.9	573.8	548.3	514.3	476.0	439.9	403.8	397.4	348.5
20°	756.6	760.8	739.6	688.6	648.2	607.8	575.9	522.8	486.7	482.4	414.4
22.5°	922.3	933.0	888.3	837.3	769.3	722.6	690.7	639.7	588.7	588.7	501.5
25°	1139.1	1143.4	1083.8	1001.0	916.0	843.7	816.1	784.2	724.7	716.2	614.2
27.5°	1362.2	1375.0	1304.9	1196.5	1069.0	981.8	964.8	947.8	875.6	873.5	731.1
30°	1708.7	1702.3	1583.3	1428.1	1243.2	1128.5	1117.9	1137.0	1069.0	1060.5	884.1
32.5°	2023.2	2012.6	1885.0	1681.0	1428.1	1292.1	1275.1	1338.9	1292.1	1290.0	1058.3
35°	2282.5	2267.6	2152.8	1923.3	1627.9	1443.0	1453.6	1559.9	1536.5	1525.9	1217.7
37.5°	2403.6	2429.1	2331.3	2108.2	1800.0	1598.1	1647.0	1804.3	1783.0	1768.2	1392.0
40°	2486.5	2520.5	2418.5	2208.1	1919.0	1736.3	1814.9	2006.2	1961.6	1942.4	1466.4
42.5°	2516.2	2543.9	2475.8	2265.5	1991.3	1840.4	1944.6	2154.9	2127.3	2095.4	1572.6
45°	2497.1	2531.1	2478.0	2291.0	2027.4	1904.2	2040.2	2344.1	2365.3	2339.8	1723.5
47.5°	2422.7	2461.0	2441.8	2291.0	2038.1	1936.1	2154.9	2584.2	2633.1	2620.4	1889.3
50°	2223.0	2265.5	2299.5	2246.3	2027.4	1946.7	2282.5	2822.3	2966.8	2958.3	2118.8
52.5°	2061.4	2095.4	2108.2	2106.1	1987.1	1961.6	2403.6	3132.5	3315.3	3302.5	2325.0
55°	1844.7	1865.9	1927.5	1912.7	1853.2	1940.3	2495.0	3359.9	3629.8	3615.0	2560.9
57.5°	1470.6	1506.8	1621.5	1742.7	1687.4	1870.2	2535.4	3566.1	4050.6	4031.5	2832.9
60°	1251.7	1262.4	1328.2	1443.0	1519.5	1729.9	2520.5	3778.6	4303.5	4286.5	2956.1
62.5°	1020.1	1026.5	1109.4	1207.1	1315.5	1574.8	2433.3	3791.3	4467.2	4475.7	3077.3
65°	813.9	811.8	860.7	1001.0	1100.8	1381.4	2244.2	3706.3	4509.7	4524.5	3100.7
67.5°	620.6	639.7	703.4	775.7	911.7	1158.2	1974.3	3483.2	4394.9	4399.1	3005.0
70°	427.2	435.7	495.2	609.9	711.9	960.6	1676.8	3138.9	4105.9	4105.9	2733.0
72.5°	308.2	318.8	348.5	422.9	550.4	752.3	1385.6	2694.7	3459.8	3425.8	2288.8
75°	229.5	231.6	259.3	303.9	388.9	586.6	1077.5	2118.8	2809.5	2820.1	1880.8
77.5°	178.5	180.6	193.4	225.3	284.8	427.2	801.2	1634.3	2188.9	2193.2	1451.5
80°	148.8	150.9	157.3	174.3	212.5	306.0	588.7	1230.5	1691.7	1693.8	1130.6
82.5°	123.3	125.4	131.8	142.4	165.8	227.4	422.9	941.5	1281.5	1298.5	848.0
85°	104.1	106.3	110.5	119.0	136.0	176.4	306.0	675.8	903.2	896.8	586.6
87.5°	85.0	85.0	91.4	97.8	110.5	142.4	225.3	463.3	612.1	605.7	408.0
90°	63.8	65.9	70.1	78.6	91.4	112.6	163.6	303.9	380.4	380.4	259.3
92.5°	46.8	46.8	53.1	61.6	72.3	91.4	119.0	193.4	227.4	229.5	167.9
95°	34.0	34.0	38.3	42.5	55.3	72.3	87.1	119.0	140.3	136.0	114.8
97.5°	27.6	27.6	29.8	34.0	42.5	57.4	68.0	85.0	93.5	93.5	85.0
100°	23.4	23.4	25.5	25.5	34.0	46.8	55.3	61.6	68.0	70.1	68.0
102.5°	19.1	21.3	21.3	21.3	27.6	40.4	44.6	48.9	53.1	53.1	53.1
105°	17.0	17.0	19.1	19.1	23.4	34.0	38.3	40.4	42.5	42.5	42.5
107.5°	14.9	14.9	17.0	17.0	21.3	29.8	31.9	31.9	34.0	34.0	34.0
110°	14.9	14.9	14.9	14.9	19.1	25.5	25.5	25.5	25.5	25.5	27.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	12.8	12.8	14.9	14.9	17.0	23.4	23.4	21.3	21.3	21.3	25.5
115°	12.8	12.8	12.8	14.9	17.0	19.1	19.1	19.1	19.1	19.1	21.3
117.5°	12.8	12.8	12.8	14.9	14.9	19.1	17.0	17.0	17.0	17.0	19.1
120°	12.8	12.8	12.8	12.8	14.9	17.0	17.0	14.9	14.9	14.9	17.0
122.5°	12.8	12.8	12.8	12.8	14.9	14.9	14.9	12.8	12.8	12.8	17.0
125°	12.8	12.8	14.9	14.9	14.9	14.9	14.9	12.8	12.8	12.8	14.9
127.5°	14.9	14.9	14.9	14.9	12.8	14.9	12.8	12.8	12.8	12.8	14.9
130°	17.0	17.0	17.0	14.9	12.8	12.8	12.8	12.8	12.8	12.8	14.9
132.5°	17.0	17.0	17.0	14.9	12.8	12.8	10.6	10.6	12.8	12.8	12.8
135°	17.0	17.0	14.9	12.8	12.8	10.6	10.6	10.6	10.6	10.6	12.8
137.5°	14.9	14.9	14.9	12.8	10.6	10.6	8.5	8.5	10.6	10.6	10.6
140°	12.8	12.8	12.8	10.6	8.5	8.5	6.4	6.4	8.5	8.5	8.5
142.5°	10.6	10.6	10.6	8.5	8.5	6.4	6.4	6.4	6.4	6.4	8.5
145°	8.5	8.5	8.5	6.4	6.4	6.4	4.3	4.3	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	6.4	6.4	6.4	4.3	4.3	4.3	2.1	4.3	4.3	4.3	4.3
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°	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9
2.5°	201.9	199.8	195.5	193.4	189.1	187.0	184.9	182.8	184.9	182.8	182.8
5°	204.0	199.8	191.3	182.8	176.4	172.1	167.9	163.6	163.6	161.5	159.4
7.5°	208.3	201.9	187.0	176.4	163.6	155.1	148.8	144.5	142.4	140.3	140.3
10°	218.9	208.3	189.1	170.0	155.1	142.4	133.9	129.6	125.4	125.4	125.4
12.5°	240.1	227.4	197.6	170.0	148.8	133.9	123.3	119.0	119.0	119.0	119.0
15°	276.3	255.0	216.8	180.6	150.9	129.6	123.3	125.4	129.6	133.9	131.8
17.5°	320.9	295.4	242.3	195.5	159.4	140.3	136.0	142.4	148.8	153.0	155.1
20°	376.2	337.9	269.9	210.4	174.3	161.5	157.3	163.6	172.1	178.5	178.5
22.5°	448.4	397.4	306.0	231.6	195.5	182.8	178.5	184.9	195.5	201.9	201.9
25°	539.8	469.7	350.7	259.3	218.9	199.8	199.8	208.3	223.1	231.6	233.8
27.5°	641.8	546.2	391.0	293.3	244.4	218.9	221.0	238.0	255.0	267.8	267.8
30°	752.3	637.6	437.8	323.0	263.5	238.0	240.1	261.4	284.8	301.8	299.7
32.5°	884.1	733.2	486.7	352.8	282.7	252.9	259.3	291.2	318.8	340.0	337.9
35°	1018.0	816.1	518.5	380.4	299.7	265.6	276.3	316.7	348.5	367.7	367.7
37.5°	1122.1	884.1	537.7	395.3	314.5	276.3	289.0	333.7	367.7	384.7	382.5
40°	1158.2	884.1	522.8	397.4	320.9	284.8	299.7	342.2	371.9	382.5	376.2
42.5°	1213.5	901.1	501.5	384.7	323.0	291.2	303.9	342.2	361.3	363.4	359.2
45°	1292.1	928.7	486.7	376.2	318.8	293.3	303.9	335.8	359.2	365.5	361.3
47.5°	1392.0	956.3	469.7	371.9	318.8	293.3	303.9	342.2	365.5	365.5	361.3
50°	1519.5	1001.0	461.2	374.0	325.2	295.4	310.3	350.7	371.9	367.7	365.5
52.5°	1617.3	1011.6	446.3	380.4	331.5	299.7	316.7	359.2	378.3	369.8	367.7
55°	1744.8	1037.1	429.3	380.4	342.2	310.3	325.2	367.7	382.5	371.9	369.8
57.5°	1876.5	1064.7	427.2	378.3	346.4	318.8	333.7	374.0	386.8	378.3	376.2
60°	1912.7	1032.8	414.4	384.7	348.5	327.3	340.0	380.4	399.5	395.3	395.3
62.5°	1942.4	1007.3	399.5	382.5	354.9	327.3	346.4	391.0	420.8	420.8	420.8
65°	1921.2	958.5	382.5	374.0	352.8	329.4	354.9	403.8	433.5	442.0	444.2
67.5°	1831.9	890.5	365.5	361.3	342.2	329.4	357.0	403.8	439.9	452.7	452.7
70°	1640.6	777.8	335.8	335.8	327.3	316.7	350.7	397.4	427.2	442.0	442.0
72.5°	1375.0	643.9	291.2	301.8	299.7	297.5	333.7	376.2	395.3	408.0	405.9
75°	1094.5	518.5	252.9	257.1	261.4	267.8	306.0	340.0	346.4	357.0	354.9
77.5°	858.6	414.4	214.6	218.9	223.1	238.0	274.1	295.4	299.7	306.0	303.9
80°	671.6	340.0	184.9	184.9	191.3	206.1	235.9	255.0	263.5	267.8	261.4
82.5°	522.8	278.4	163.6	157.3	163.6	176.4	199.8	216.8	223.1	223.1	221.0
85°	371.9	223.1	144.5	136.0	138.1	150.9	172.1	182.8	187.0	184.9	180.6
87.5°	272.0	182.8	127.5	114.8	116.9	133.9	148.8	155.1	157.3	159.4	155.1
90°	191.3	146.6	110.5	95.6	95.6	112.6	127.5	129.6	131.8	131.8	129.6
92.5°	136.0	114.8	91.4	78.6	78.6	93.5	104.1	102.0	104.1	102.0	97.8
95°	99.9	89.3	76.5	63.8	61.6	72.3	76.5	74.4	76.5	74.4	74.4
97.5°	78.6	72.3	63.8	53.1	48.9	55.3	57.4	57.4	61.6	57.4	57.4
100°	63.8	59.5	55.3	44.6	40.4	44.6	46.8	48.9	51.0	48.9	48.9
102.5°	53.1	51.0	46.8	40.4	36.1	38.3	40.4	42.5	44.6	44.6	42.5
105°	42.5	42.5	40.4	34.0	31.9	31.9	34.0	36.1	40.4	40.4	40.4
107.5°	34.0	36.1	34.0	29.8	27.6	27.6	29.8	31.9	34.0	36.1	36.1
110°	29.8	29.8	29.8	25.5	25.5	25.5	25.5	27.6	31.9	34.0	34.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	25.5	25.5	23.4	23.4	23.4	23.4	23.4	27.6	29.8	31.9
115°	23.4	23.4	23.4	21.3	21.3	21.3	21.3	21.3	25.5	27.6	27.6
117.5°	21.3	21.3	21.3	19.1	19.1	19.1	19.1	19.1	21.3	25.5	25.5
120°	19.1	19.1	19.1	17.0	17.0	17.0	17.0	17.0	19.1	23.4	23.4
122.5°	17.0	17.0	17.0	17.0	14.9	14.9	14.9	14.9	17.0	21.3	21.3
125°	14.9	17.0	14.9	14.9	14.9	14.9	12.8	14.9	17.0	19.1	19.1
127.5°	14.9	14.9	14.9	14.9	12.8	12.8	12.8	12.8	14.9	17.0	17.0
130°	14.9	14.9	14.9	12.8	12.8	10.6	10.6	12.8	12.8	14.9	14.9
132.5°	12.8	12.8	12.8	12.8	10.6	10.6	10.6	10.6	12.8	12.8	12.8
135°	12.8	12.8	10.6	10.6	10.6	8.5	8.5	8.5	10.6	12.8	12.8
137.5°	10.6	10.6	10.6	10.6	8.5	8.5	8.5	8.5	10.6	10.6	10.6
140°	8.5	8.5	8.5	8.5	8.5	6.4	6.4	6.4	8.5	8.5	8.5
142.5°	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4	8.5	8.5	8.5
145°	6.4	6.4	6.4	6.4	4.3	4.3	4.3	6.4	6.4	6.4	6.4
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	2.1	2.1	2.1	4.3	4.3	4.3	4.3
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)