

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: P695583

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695583
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-PA16-60-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 5183 lumens
Efficiency: N/A
Efficacy: 83.6 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

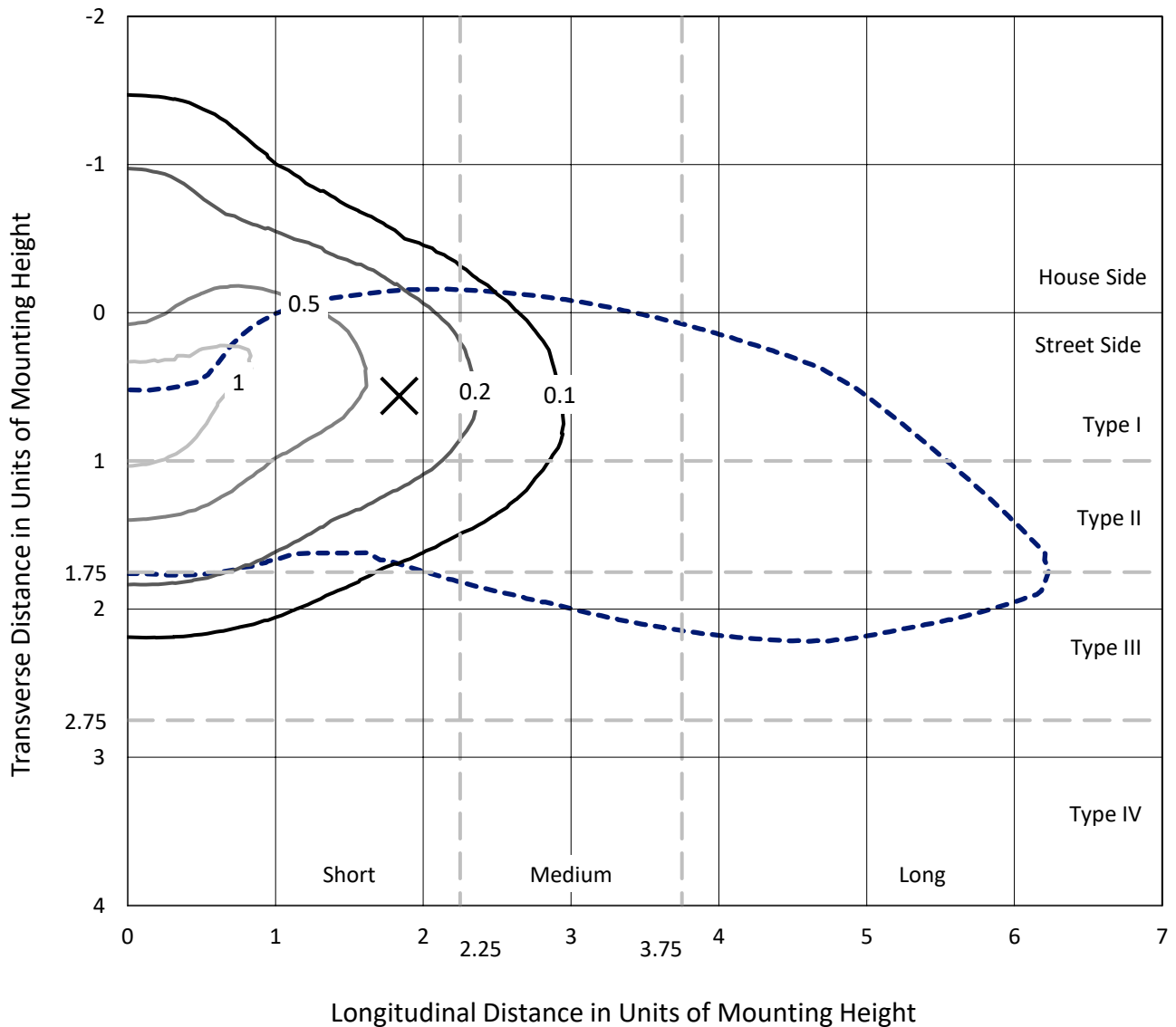
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

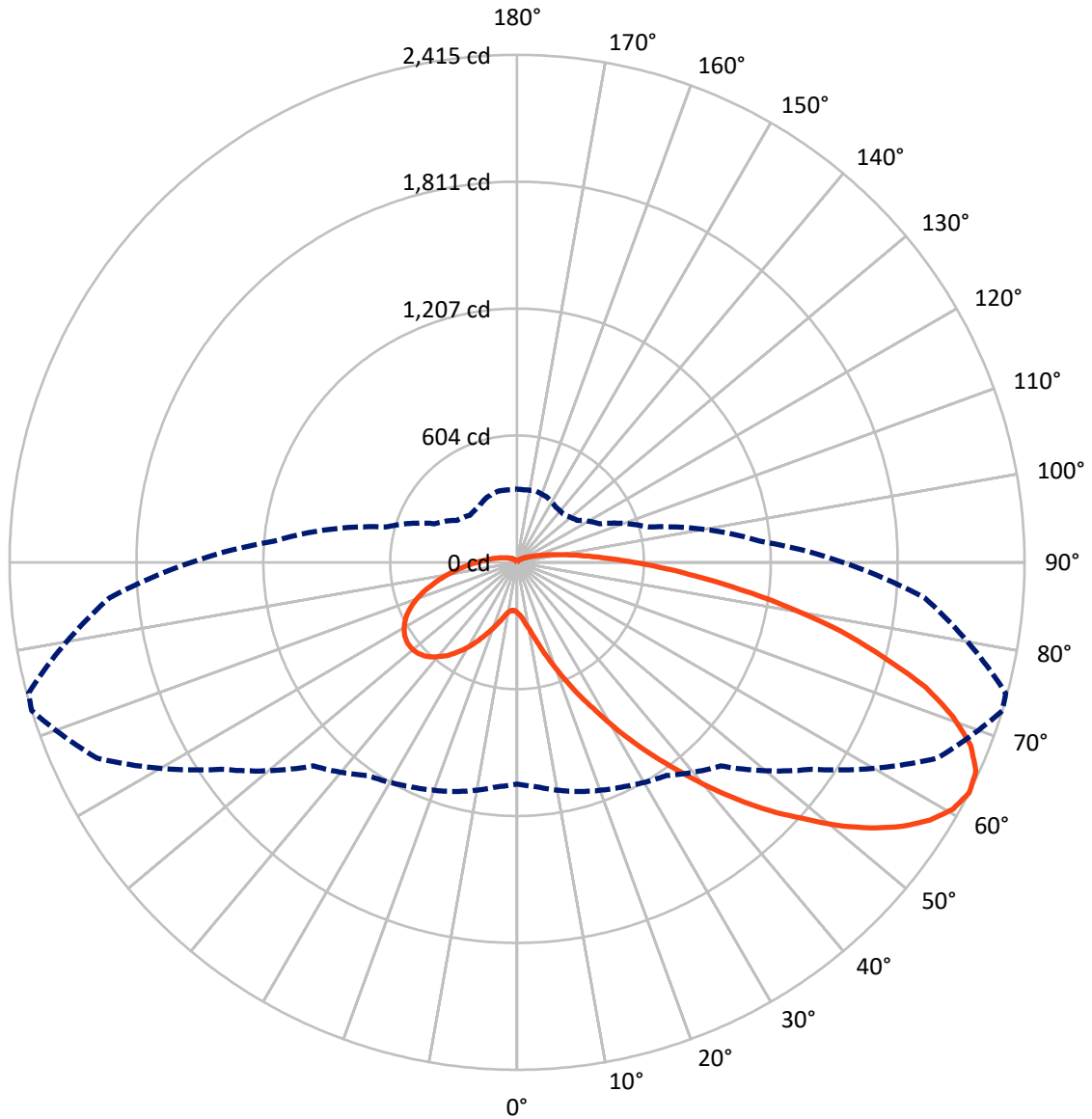
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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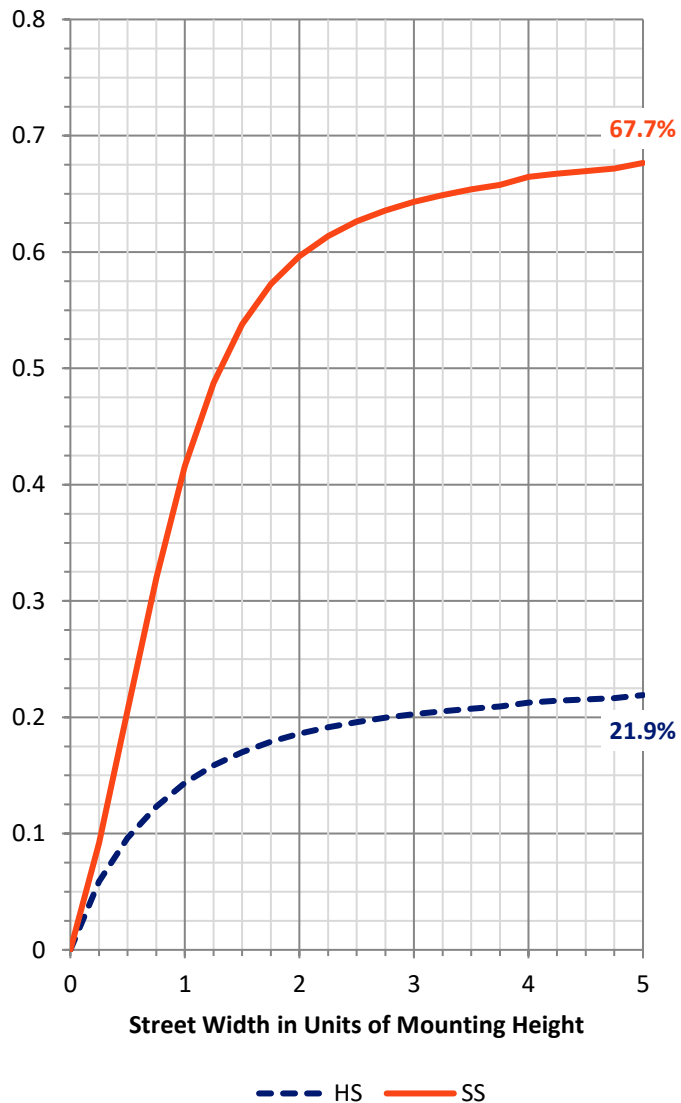
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1198.9	156.8	1355.7
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	3608.3	219.0	3827.3
	% Fixture	69.6	4.2	73.8
Total	Lumens	4807.2	375.8	5183.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.5
10°-20°	105.6	2.0
20°-30°	272.5	5.3
30°-40°	533.6	10.3
40°-50°	815.1	15.7
50°-60°	992.9	19.2
60°-70°	960.1	18.5
70°-80°	709.1	13.7
80°-90°	393.1	7.6
90°-100°	186.7	3.6
100°-110°	91.9	1.8
110°-120°	49.4	1.0
120°-130°	27.5	0.5
130°-140°	14.3	0.3
140°-150°	5.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4807.2	92.7
0°-180°	5183.0	100.0

Coefficient of Utilization



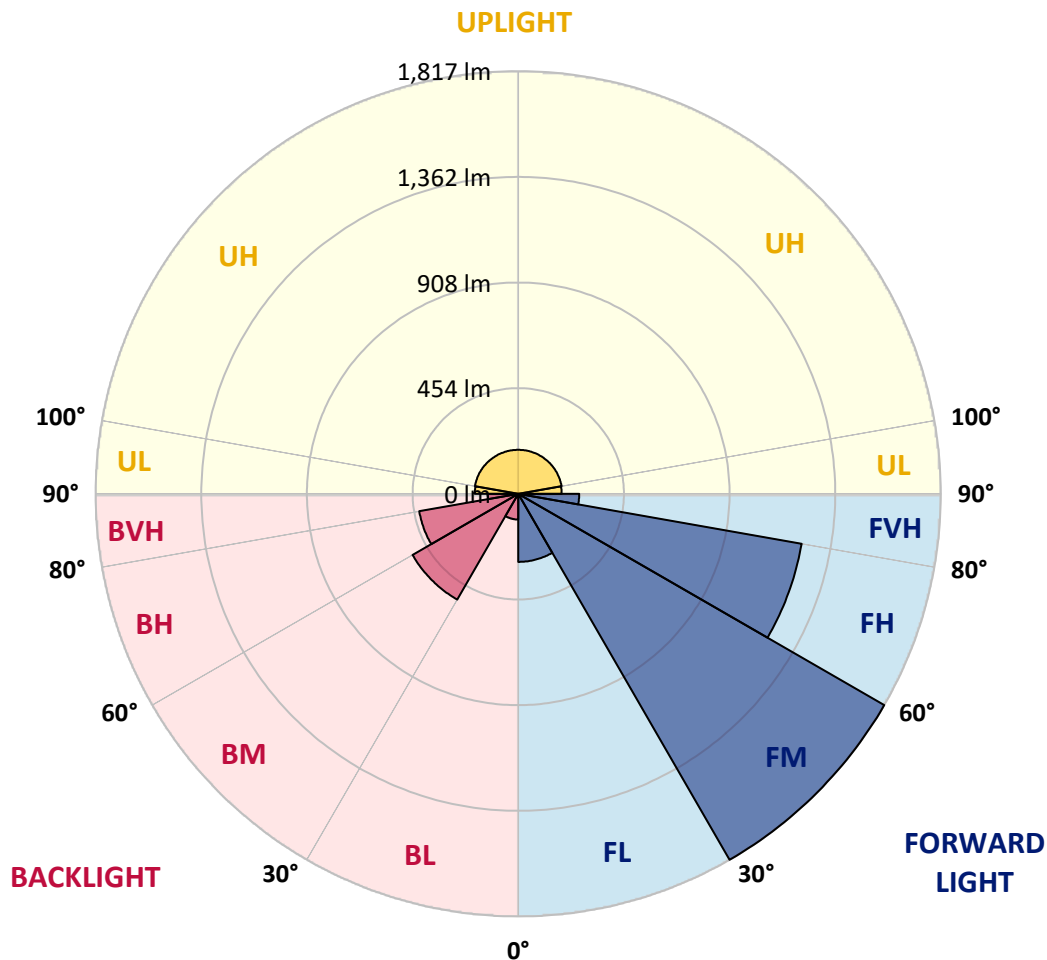
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.7	5.6			
FM (30°-60°)	1816.6	35.0			
FH (60°-80°)	1237.1	23.9			G1/1800
FVH (80°-90°)	261.9	5.1			G3/500
BL (0°-30°)	110.6	2.1	B1/500		
BM (30°-60°)	525.0	10.1	B1/1000		
BH (60°-80°)	432.1	8.3	B1/500		G1/500
BVH (80°-90°)	131.3	2.5			G2/225
UL (90°-100°)	186.7	3.6		U3/500	
UH (100°-180°)	189.1	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°	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7
2.5°	272.0	270.0	272.0	270.0	266.1	262.2	258.3	252.4	250.4	248.5	242.6
5°	317.0	318.9	317.0	309.1	305.2	297.4	289.6	277.8	268.1	266.1	254.4
7.5°	371.8	369.8	367.8	362.0	352.2	338.5	324.8	309.1	295.5	291.5	272.0
10°	436.3	430.5	432.4	418.7	407.0	389.4	371.8	348.3	324.8	320.9	295.5
12.5°	510.7	508.7	504.8	487.2	469.6	450.0	422.6	393.3	367.8	360.0	328.7
15°	600.7	592.9	588.9	569.4	545.9	520.5	487.2	452.0	420.7	414.8	369.8
17.5°	700.5	690.7	678.9	653.5	630.0	596.8	557.6	518.5	481.3	473.5	416.8
20°	804.2	800.3	786.6	755.3	720.0	684.8	641.8	594.8	547.9	538.1	473.5
22.5°	929.4	925.5	902.0	862.9	819.8	778.7	729.8	678.9	626.1	610.5	534.2
25°	1066.4	1054.6	1027.2	978.3	929.4	872.7	823.7	769.0	712.2	692.6	604.6
27.5°	1205.3	1195.5	1158.3	1103.5	1037.0	974.4	919.6	866.8	800.3	790.5	677.0
30°	1342.2	1342.2	1293.3	1230.7	1142.7	1072.2	1019.4	970.5	909.8	896.1	765.0
32.5°	1479.2	1475.3	1434.2	1350.1	1252.2	1170.1	1119.2	1078.1	1023.3	997.9	860.9
35°	1606.4	1604.4	1549.6	1459.6	1352.0	1265.9	1222.9	1195.5	1140.7	1119.2	956.8
37.5°	1723.8	1716.0	1655.3	1563.3	1432.2	1348.1	1322.7	1320.7	1265.9	1238.5	1058.5
40°	1804.0	1798.1	1745.3	1641.6	1506.6	1424.4	1422.5	1444.0	1404.9	1375.5	1164.2
42.5°	1852.9	1845.1	1802.1	1700.3	1565.3	1489.0	1512.5	1567.3	1545.7	1512.5	1271.8
45°	1864.7	1858.8	1823.6	1729.7	1604.4	1541.8	1592.7	1690.5	1686.6	1655.3	1377.5
47.5°	1835.3	1835.3	1811.8	1733.6	1620.1	1577.0	1671.0	1809.9	1817.7	1802.1	1489.0
50°	1778.6	1774.7	1768.8	1706.2	1614.2	1596.6	1731.6	1931.2	1966.4	1942.9	1604.4
52.5°	1682.7	1680.7	1686.6	1651.4	1584.9	1594.6	1774.7	2034.9	2099.5	2077.9	1702.3
55°	1555.5	1551.6	1577.0	1567.3	1528.1	1571.2	1796.2	2119.0	2218.8	2199.2	1798.1
57.5°	1402.9	1395.1	1444.0	1461.6	1449.9	1526.2	1796.2	2177.7	2314.7	2297.1	1872.5
60°	1226.8	1232.7	1283.5	1332.5	1346.2	1457.7	1766.8	2207.1	2383.2	2371.4	1921.4
62.5°	1054.6	1072.2	1129.0	1179.8	1238.5	1369.6	1716.0	2205.1	2414.5	2406.6	1946.8
65°	890.3	909.8	966.6	1037.0	1109.4	1265.9	1637.7	2158.2	2398.8	2394.9	1935.1
67.5°	737.6	751.3	810.0	892.2	978.3	1150.5	1528.1	2070.1	2328.4	2330.3	1880.3
70°	606.6	614.4	677.0	759.2	847.2	1021.4	1397.0	1931.2	2199.2	2205.1	1776.6
72.5°	498.9	512.6	559.6	635.9	729.8	904.0	1258.1	1762.9	2032.9	2031.0	1637.7
75°	407.0	414.8	463.7	532.2	614.4	778.7	1107.4	1561.4	1798.1	1813.8	1457.7
77.5°	328.7	334.6	383.5	444.2	524.4	669.2	952.9	1352.0	1573.1	1569.2	1267.9
80°	266.1	273.9	315.0	369.8	442.2	569.4	806.1	1132.9	1318.8	1322.7	1054.6
82.5°	213.3	221.1	258.3	307.2	377.6	477.4	677.0	949.0	1074.2	1074.2	870.7
85°	170.2	178.1	213.3	256.3	313.1	405.0	555.7	759.2	857.0	862.9	704.4
87.5°	138.9	142.8	174.1	215.2	264.1	340.5	457.8	600.7	678.9	671.1	553.7
90°	111.5	115.4	142.8	178.1	223.1	285.7	373.7	485.2	526.3	524.4	432.4
92.5°	92.0	93.9	119.4	152.6	189.8	240.7	307.2	377.6	408.9	407.0	342.4
95°	76.3	78.3	101.7	129.1	162.4	203.5	250.4	303.3	322.8	318.9	268.1
97.5°	64.6	64.6	86.1	111.5	140.9	172.2	209.4	242.6	252.4	250.4	215.2
100°	54.8	54.8	72.4	97.8	123.3	148.7	174.1	193.7	197.6	199.6	170.2
102.5°	47.0	48.9	64.6	86.1	105.7	127.2	144.8	158.5	158.5	156.5	135.0
105°	43.0	43.0	54.8	74.4	93.9	109.6	123.3	131.1	127.2	123.3	107.6
107.5°	37.2	37.2	48.9	66.5	82.2	95.9	105.7	107.6	101.7	99.8	90.0
110°	33.3	35.2	43.0	58.7	74.4	84.1	90.0	90.0	84.1	82.2	74.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	31.3	31.3	39.1	52.8	64.6	74.4	78.3	76.3	70.4	68.5	62.6
115°	29.3	29.3	35.2	47.0	58.7	66.5	68.5	64.6	58.7	56.7	52.8
117.5°	27.4	27.4	31.3	41.1	52.8	58.7	60.7	54.8	48.9	48.9	47.0
120°	25.4	25.4	29.3	37.2	47.0	52.8	52.8	47.0	43.0	41.1	41.1
122.5°	25.4	25.4	27.4	33.3	41.1	45.0	47.0	41.1	37.2	35.2	35.2
125°	23.5	23.5	25.4	29.3	37.2	41.1	39.1	35.2	31.3	31.3	31.3
127.5°	23.5	23.5	23.5	27.4	31.3	35.2	35.2	31.3	27.4	27.4	29.3
130°	21.5	21.5	21.5	23.5	27.4	31.3	29.3	25.4	23.5	23.5	25.4
132.5°	21.5	21.5	21.5	21.5	23.5	27.4	25.4	21.5	21.5	21.5	21.5
135°	19.6	19.6	19.6	19.6	21.5	21.5	21.5	19.6	17.6	19.6	19.6
137.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	15.7	15.7	15.7	17.6
140°	15.7	15.7	15.7	15.7	13.7	13.7	13.7	11.7	13.7	13.7	15.7
142.5°	15.7	15.7	13.7	13.7	11.7	11.7	9.8	9.8	11.7	11.7	11.7
145°	13.7	13.7	11.7	9.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8
147.5°	9.8	9.8	9.8	7.8	5.9	3.9	3.9	5.9	5.9	5.9	7.8
150°	7.8	7.8	7.8	5.9	3.9	2.0	2.0	3.9	3.9	3.9	5.9
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°	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7
2.5°	240.7	238.7	232.8	228.9	225.0	223.1	219.1	217.2	217.2	215.2	217.2
5°	248.5	242.6	230.9	221.1	211.3	203.5	197.6	193.7	191.7	189.8	187.8
7.5°	262.2	252.4	234.8	219.1	203.5	191.7	182.0	176.1	172.2	168.3	168.3
10°	281.8	268.1	242.6	221.1	201.5	185.9	172.2	164.4	160.4	156.5	156.5
12.5°	311.1	293.5	260.2	227.0	203.5	183.9	170.2	160.4	156.5	154.6	152.6
15°	348.3	326.8	283.7	244.6	211.3	185.9	172.2	168.3	164.4	162.4	162.4
17.5°	391.3	362.0	309.1	262.2	225.0	197.6	183.9	178.1	176.1	174.1	172.2
20°	438.3	405.0	338.5	281.8	240.7	217.2	197.6	191.7	189.8	187.8	187.8
22.5°	495.0	450.0	369.8	303.3	260.2	232.8	215.2	205.4	203.5	203.5	201.5
25°	553.7	504.8	405.0	326.8	279.8	250.4	230.9	221.1	219.1	221.1	221.1
27.5°	622.2	559.6	442.2	352.2	299.4	264.1	246.5	236.8	236.8	240.7	240.7
30°	696.6	616.3	479.4	377.6	317.0	277.8	260.2	254.4	256.3	258.3	260.2
32.5°	769.0	677.0	514.6	403.1	330.7	289.6	273.9	272.0	273.9	277.8	277.8
35°	853.1	745.5	549.8	424.6	342.4	299.4	285.7	287.6	291.5	295.5	297.4
37.5°	937.2	806.1	585.0	440.2	352.2	309.1	297.4	301.3	305.2	313.1	313.1
40°	1017.4	868.7	612.4	453.9	360.0	315.0	305.2	313.1	320.9	324.8	324.8
42.5°	1101.6	931.4	641.8	463.7	365.9	320.9	313.1	324.8	332.6	334.6	334.6
45°	1187.7	984.2	663.3	471.5	369.8	324.8	318.9	330.7	340.5	342.4	342.4
47.5°	1264.0	1033.1	678.9	473.5	369.8	326.8	322.8	336.5	346.3	346.3	346.3
50°	1344.2	1082.0	688.7	475.5	371.8	328.7	324.8	340.5	350.2	348.3	350.2
52.5°	1412.7	1121.1	692.6	471.5	369.8	326.8	326.8	344.4	354.1	350.2	350.2
55°	1473.3	1150.5	690.7	465.7	365.9	326.8	326.8	344.4	354.1	350.2	350.2
57.5°	1518.3	1168.1	682.9	457.8	362.0	324.8	326.8	344.4	354.1	350.2	350.2
60°	1545.7	1170.1	667.2	448.1	356.1	320.9	322.8	342.4	352.2	348.3	348.3
62.5°	1549.6	1160.3	647.6	434.4	348.3	317.0	320.9	340.5	350.2	346.3	348.3
65°	1528.1	1130.9	622.2	418.7	340.5	311.1	317.0	336.5	346.3	344.4	344.4
67.5°	1473.3	1080.1	587.0	399.2	328.7	303.3	311.1	328.7	342.4	338.5	338.5
70°	1385.3	1009.6	549.8	377.6	313.1	293.5	301.3	320.9	332.6	330.7	330.7
72.5°	1269.8	925.5	504.8	352.2	297.4	281.8	291.5	309.1	318.9	318.9	317.0
75°	1130.9	831.6	455.9	324.8	279.8	268.1	279.8	293.5	301.3	299.4	297.4
77.5°	982.2	729.8	408.9	297.4	260.2	252.4	262.2	277.8	281.8	279.8	275.9
80°	831.6	626.1	362.0	268.1	238.7	232.8	242.6	254.4	258.3	252.4	250.4
82.5°	694.6	522.4	315.0	240.7	217.2	213.3	223.1	230.9	230.9	227.0	221.1
85°	561.6	440.2	275.9	213.3	195.7	193.7	201.5	205.4	203.5	197.6	191.7
87.5°	452.0	360.0	236.8	189.8	174.1	172.2	178.1	180.0	176.1	168.3	164.4
90°	365.9	295.5	203.5	168.3	154.6	154.6	156.5	156.5	150.7	140.9	137.0
92.5°	291.5	242.6	176.1	146.7	138.9	135.0	137.0	135.0	127.2	121.3	115.4
95°	234.8	199.6	152.6	131.1	123.3	119.4	121.3	117.4	107.6	99.8	95.9
97.5°	189.8	164.4	131.1	115.4	109.6	105.7	105.7	99.8	93.9	84.1	80.2
100°	152.6	135.0	113.5	101.7	95.9	93.9	92.0	88.0	80.2	70.4	68.5
102.5°	123.3	113.5	97.8	90.0	86.1	84.1	82.2	76.3	68.5	58.7	58.7
105°	101.7	95.9	86.1	80.2	76.3	74.4	72.4	66.5	58.7	50.9	50.9
107.5°	84.1	80.2	74.4	70.4	68.5	66.5	64.6	58.7	50.9	43.0	45.0
110°	72.4	68.5	64.6	62.6	62.6	60.7	56.7	52.8	45.0	39.1	39.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	60.7	58.7	56.7	56.7	54.8	52.8	50.9	45.0	39.1	35.2	35.2
115°	52.8	50.9	50.9	50.9	48.9	48.9	45.0	41.1	33.3	31.3	31.3
117.5°	45.0	45.0	45.0	45.0	45.0	43.0	41.1	35.2	29.3	27.4	27.4
120°	41.1	41.1	39.1	39.1	39.1	39.1	35.2	31.3	25.4	25.4	25.4
122.5°	35.2	35.2	35.2	35.2	35.2	33.3	31.3	27.4	23.5	23.5	23.5
125°	31.3	31.3	31.3	33.3	31.3	31.3	27.4	23.5	19.6	21.5	21.5
127.5°	29.3	29.3	29.3	27.4	27.4	27.4	23.5	19.6	17.6	19.6	19.6
130°	25.4	25.4	25.4	25.4	25.4	23.5	21.5	17.6	15.7	17.6	17.6
132.5°	23.5	23.5	23.5	21.5	21.5	19.6	17.6	15.7	13.7	15.7	15.7
135°	19.6	19.6	19.6	19.6	17.6	17.6	15.7	11.7	13.7	13.7	13.7
137.5°	17.6	17.6	17.6	15.7	15.7	13.7	11.7	9.8	11.7	11.7	11.7
140°	15.7	15.7	15.7	13.7	11.7	11.7	9.8	9.8	9.8	11.7	11.7
142.5°	11.7	11.7	11.7	11.7	9.8	7.8	7.8	7.8	9.8	9.8	9.8
145°	9.8	9.8	9.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.9	5.9	3.9	3.9	5.9	7.8	7.8	7.8
150°	5.9	5.9	5.9	3.9	3.9	2.0	3.9	3.9	5.9	5.9	5.9
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)