

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: P695591

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5401 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G3

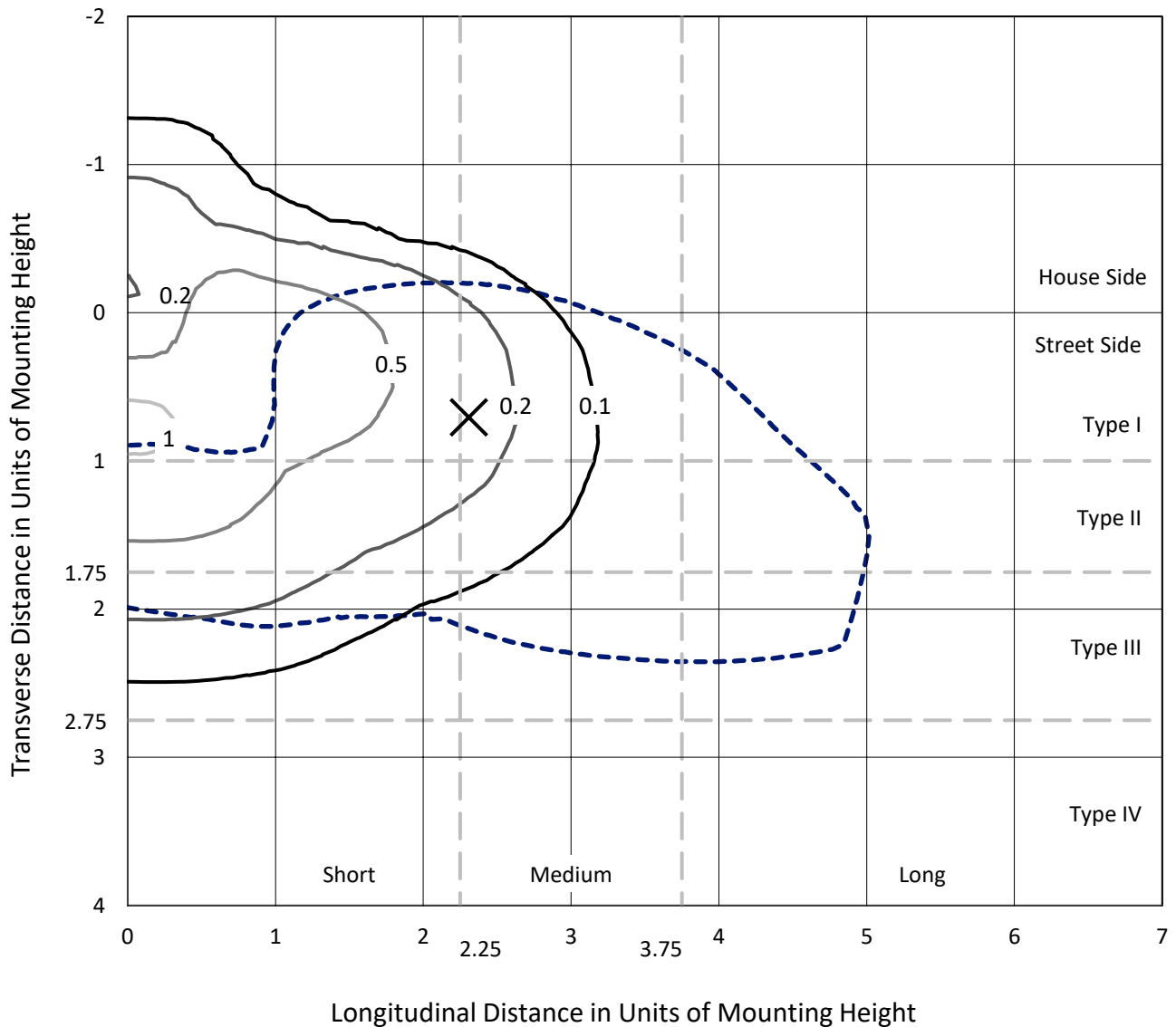
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

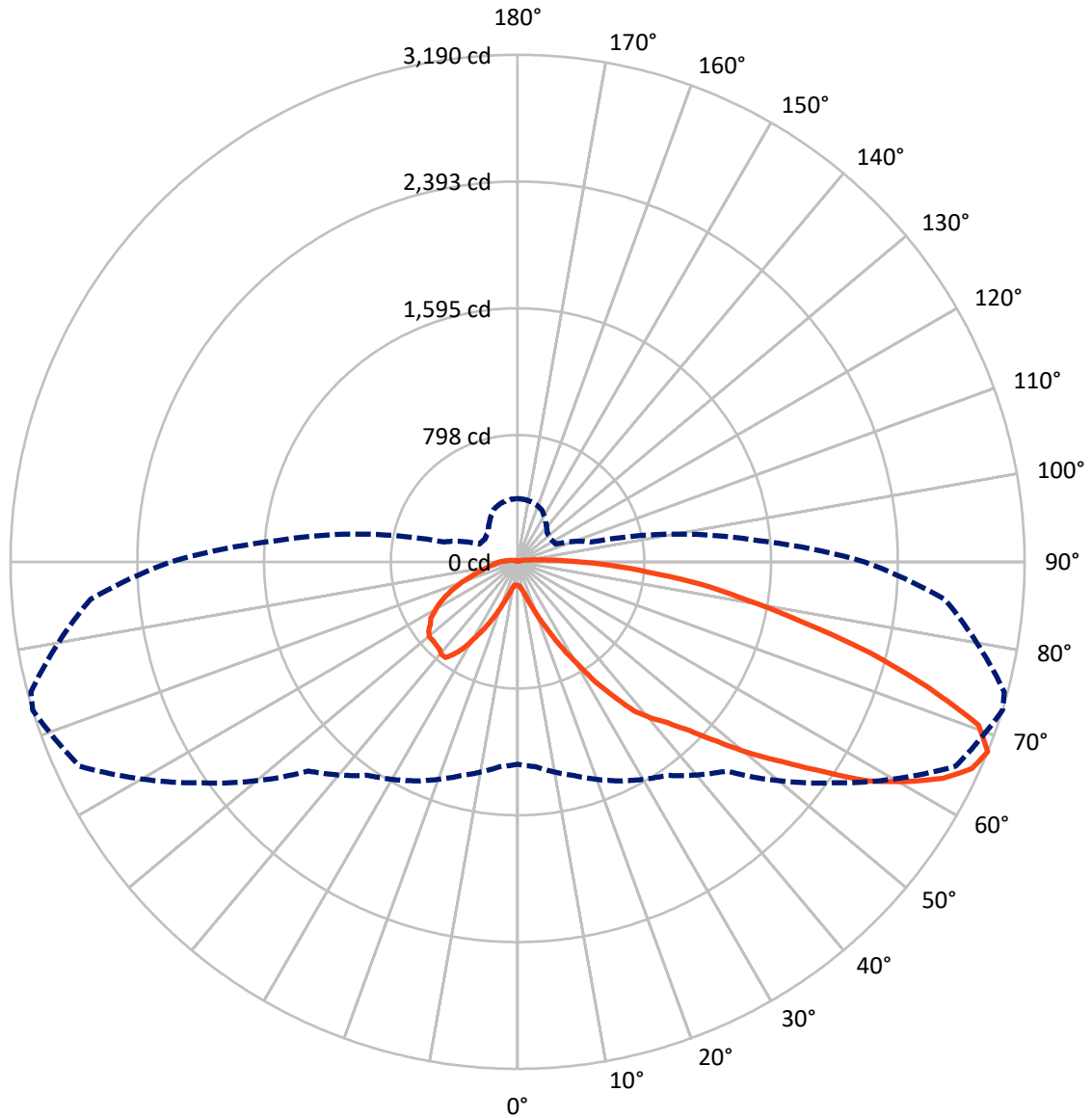
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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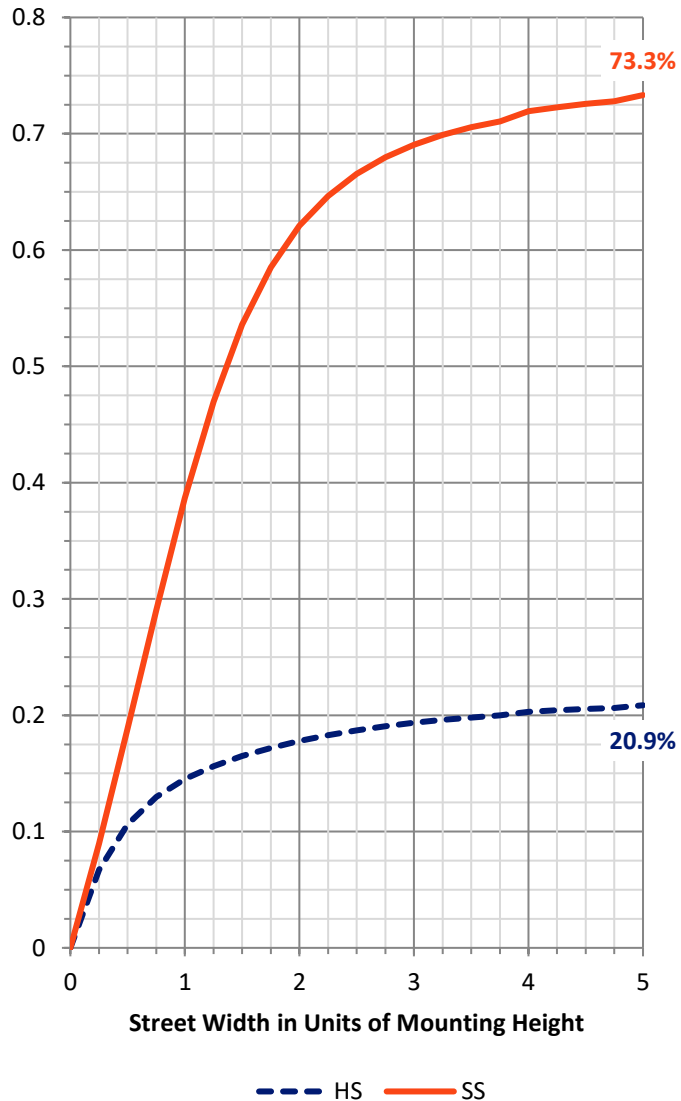
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.9	88.3	1270.3
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	4040.3	90.4	4130.8
	% Fixture	74.8	1.7	76.5
Total	Lumens	5222.3	178.8	5401.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.3
10°-20°	66.4	1.2
20°-30°	204.3	3.8
30°-40°	470.4	8.7
40°-50°	762.2	14.1
50°-60°	1130.7	20.9
60°-70°	1316.5	24.4
70°-80°	904.3	16.7
80°-90°	352.3	6.5
90°-100°	100.0	1.9
100°-110°	36.5	0.7
110°-120°	18.8	0.3
120°-130°	11.8	0.2
130°-140°	7.8	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5222.3	96.7
0°-180°	5401.0	100.0

Coefficient of Utilization

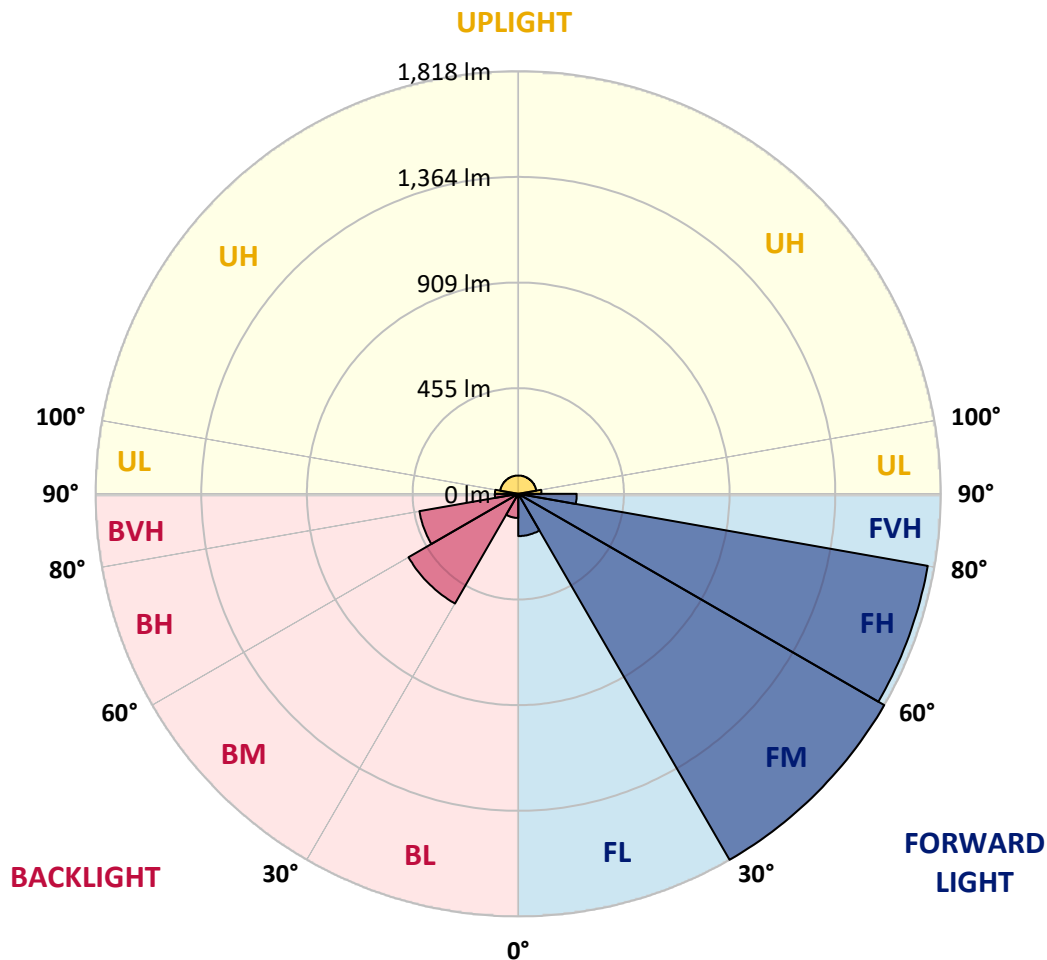


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.9	3.4			
FM (30°-60°)	1818.2	33.7			
FH (60°-80°)	1788.9	33.1			G1/1800
FVH (80°-90°)	251.3	4.7			G3/500
BL (0°-30°)	104.0	1.9	B0/110		
BM (30°-60°)	545.1	10.1	B1/1000		
BH (60°-80°)	431.9	8.0	B1/500		G1/500
BVH (80°-90°)	101.0	1.9			G2/225
UL (90°-100°)	100.0	1.9		U3/500	
UH (100°-180°)	78.8	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7
2.5°	156.6	158.5	158.5	158.5	158.5	156.6	154.6	152.7	152.7	150.7	148.7
5°	176.1	176.1	174.2	174.2	172.2	170.3	166.4	162.4	158.5	158.5	154.6
7.5°	193.8	195.7	195.7	191.8	189.8	185.9	180.1	174.2	170.3	168.3	162.4
10°	221.2	223.1	221.2	217.2	213.3	207.5	199.6	193.8	187.9	184.0	178.1
12.5°	258.3	258.3	256.4	248.6	240.7	234.9	227.0	221.2	213.3	213.3	205.5
15°	303.4	305.3	299.4	293.6	281.8	272.0	262.3	258.3	254.4	254.4	244.6
17.5°	360.1	362.1	354.2	338.6	324.9	317.1	311.2	305.3	301.4	301.4	291.6
20°	444.3	432.5	430.6	397.3	381.6	369.9	366.0	362.1	364.0	360.1	354.2
22.5°	538.2	530.4	518.6	479.5	450.1	432.5	426.7	428.6	434.5	434.5	432.5
25°	649.8	651.7	622.4	573.4	528.4	503.0	501.0	520.6	526.5	530.4	528.4
27.5°	777.0	784.8	737.8	685.0	622.4	579.3	583.2	616.5	636.1	638.0	636.1
30°	941.4	945.3	886.6	804.4	716.3	667.4	679.1	726.1	747.6	755.4	759.4
32.5°	1129.3	1129.3	1062.7	955.1	823.9	755.4	767.2	849.4	900.3	898.3	910.1
35°	1309.3	1295.6	1238.9	1101.9	943.3	849.4	878.7	972.7	1035.3	1047.1	1041.2
37.5°	1434.6	1444.4	1391.5	1258.4	1064.7	947.2	988.3	1107.7	1189.9	1189.9	1174.3
40°	1516.8	1528.5	1479.6	1366.1	1184.1	1054.9	1099.9	1229.1	1291.7	1295.6	1238.9
42.5°	1604.8	1614.6	1581.4	1463.9	1283.9	1156.7	1197.8	1321.1	1383.7	1381.7	1323.0
45°	1702.7	1716.4	1700.7	1581.4	1383.7	1252.6	1287.8	1430.7	1512.9	1526.6	1450.2
47.5°	1822.1	1831.9	1814.2	1696.8	1495.2	1350.4	1405.2	1579.4	1687.0	1689.0	1600.9
50°	1888.6	1908.2	1935.6	1843.6	1622.5	1460.0	1544.2	1767.3	1892.5	1916.0	1798.6
52.5°	1929.7	1951.2	1996.3	1976.7	1782.9	1604.8	1730.1	1982.6	2090.2	2123.5	1953.2
55°	1998.2	2021.7	2070.6	2043.2	1908.2	1771.2	1904.3	2201.8	2327.0	2342.7	2192.0
57.5°	1902.3	1925.8	2058.9	2111.7	1994.3	1916.0	2090.2	2446.4	2601.0	2624.5	2415.1
60°	1816.2	1831.9	1919.9	2070.6	2045.2	2019.7	2289.8	2681.3	2808.5	2816.3	2548.2
62.5°	1655.7	1690.9	1792.7	1916.0	1984.5	2056.9	2434.7	2867.2	3000.3	3014.0	2679.3
65°	1432.6	1458.1	1571.6	1747.7	1829.9	1996.3	2495.3	3017.9	3139.2	3131.4	2743.9
67.5°	1274.1	1293.7	1393.5	1520.7	1640.1	1861.2	2424.9	3041.4	3190.1	3170.5	2696.9
70°	1000.1	1023.6	1137.1	1336.7	1430.7	1649.9	2258.5	2947.4	3076.6	3059.0	2483.6
72.5°	796.5	818.1	925.7	1094.0	1252.6	1428.7	2037.4	2648.0	2698.9	2653.9	2092.2
75°	583.2	612.6	685.0	837.6	1027.5	1234.9	1716.4	2250.7	2291.8	2248.7	1698.8
77.5°	403.2	405.1	469.7	614.5	778.9	1041.2	1424.8	1869.0	1841.6	1796.6	1299.5
80°	258.3	262.3	303.4	397.3	565.6	786.8	1150.8	1489.4	1463.9	1444.4	996.2
82.5°	166.4	160.5	195.7	260.3	383.6	571.5	894.4	1193.8	1166.4	1119.5	753.5
85°	105.7	109.6	129.2	170.3	262.3	416.9	667.4	855.3	820.0	777.0	514.7
87.5°	80.2	82.2	93.9	121.3	178.1	293.6	456.0	595.0	571.5	530.4	346.4
90°	60.7	62.6	70.5	88.1	123.3	199.6	303.4	373.8	346.4	324.9	223.1
92.5°	43.1	45.0	52.8	66.5	92.0	139.0	195.7	219.2	203.5	195.7	144.8
95°	31.3	33.3	39.1	48.9	68.5	95.9	123.3	133.1	123.3	119.4	101.8
97.5°	25.4	27.4	29.4	37.2	52.8	70.5	84.2	86.1	84.2	80.2	76.3
100°	21.5	21.5	25.4	29.4	41.1	56.8	62.6	62.6	62.6	62.6	58.7
102.5°	17.6	17.6	21.5	25.4	33.3	45.0	48.9	48.9	47.0	48.9	47.0
105°	15.7	15.7	17.6	21.5	29.4	37.2	39.1	37.2	37.2	37.2	37.2
107.5°	13.7	13.7	15.7	19.6	25.4	31.3	33.3	31.3	29.4	29.4	31.3
110°	11.7	11.7	13.7	15.7	21.5	27.4	27.4	23.5	23.5	23.5	25.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	11.7	11.7	13.7	15.7	19.6	23.5	21.5	19.6	19.6	19.6	21.5
115°	11.7	11.7	11.7	13.7	17.6	19.6	19.6	17.6	15.7	17.6	19.6
117.5°	11.7	11.7	11.7	13.7	15.7	17.6	17.6	15.7	13.7	15.7	17.6
120°	11.7	11.7	11.7	13.7	15.7	15.7	15.7	13.7	13.7	13.7	15.7
122.5°	9.8	9.8	11.7	11.7	13.7	13.7	13.7	11.7	11.7	11.7	15.7
125°	9.8	9.8	11.7	11.7	13.7	13.7	11.7	11.7	11.7	11.7	13.7
127.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.8	11.7	11.7	13.7
130°	11.7	11.7	11.7	11.7	11.7	11.7	9.8	9.8	11.7	11.7	13.7
132.5°	11.7	11.7	11.7	11.7	11.7	9.8	9.8	9.8	9.8	11.7	11.7
135°	11.7	11.7	11.7	11.7	9.8	9.8	7.8	9.8	9.8	9.8	11.7
137.5°	9.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	9.8	9.8
140°	9.8	7.8	7.8	7.8	7.8	7.8	5.9	5.9	7.8	7.8	9.8
142.5°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8	7.8
145°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9
147.5°	5.9	3.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	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°	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7
2.5°	148.7	146.8	146.8	144.8	142.9	142.9	140.9	140.9	140.9	140.9	139.0
5°	152.7	150.7	146.8	142.9	139.0	137.0	135.0	133.1	131.1	131.1	131.1
7.5°	158.5	156.6	150.7	144.8	139.0	133.1	129.2	127.2	125.3	123.3	123.3
10°	174.2	168.3	158.5	148.7	140.9	133.1	127.2	123.3	121.3	119.4	119.4
12.5°	195.7	193.8	178.1	162.4	148.7	137.0	129.2	127.2	125.3	125.3	123.3
15°	236.8	229.0	211.4	185.9	164.4	146.8	140.9	139.0	142.9	142.9	144.8
17.5°	281.8	272.0	248.6	217.2	187.9	168.3	160.5	162.4	166.4	170.3	170.3
20°	340.5	330.8	299.4	254.4	219.2	195.7	185.9	185.9	193.8	199.6	199.6
22.5°	420.8	403.2	358.2	297.5	250.5	223.1	209.4	207.5	217.2	223.1	223.1
25°	514.7	489.3	430.6	350.3	283.8	244.6	229.0	230.9	242.7	252.5	252.5
27.5°	612.6	585.2	503.0	399.3	315.1	260.3	246.6	254.4	270.1	279.9	281.8
30°	732.0	694.8	579.3	448.2	338.6	274.0	260.3	272.0	291.6	305.3	307.3
32.5°	867.0	820.0	675.2	497.1	356.2	281.8	268.1	291.6	315.1	334.7	334.7
35°	996.2	933.5	745.7	534.3	366.0	283.8	276.0	305.3	332.7	350.3	350.3
37.5°	1111.6	1031.4	804.4	553.9	366.0	283.8	277.9	311.2	336.6	348.4	346.4
40°	1156.7	1060.8	806.3	544.1	360.1	279.9	276.0	307.3	326.8	330.8	326.8
42.5°	1225.2	1107.7	792.6	510.8	340.5	274.0	270.1	293.6	305.3	305.3	301.4
45°	1330.8	1180.1	794.6	477.5	319.0	262.3	260.3	281.8	295.5	299.4	295.5
47.5°	1460.0	1270.2	796.5	448.2	299.4	252.5	254.4	279.9	293.6	289.7	287.7
50°	1630.3	1389.6	806.3	420.8	287.7	244.6	254.4	281.8	291.6	283.8	279.9
52.5°	1755.5	1460.0	788.7	395.3	279.9	242.7	258.3	285.7	291.6	279.9	279.9
55°	1939.5	1557.9	751.5	362.1	272.0	244.6	262.3	289.7	291.6	281.8	279.9
57.5°	2101.9	1645.9	730.0	332.7	264.2	248.6	268.1	295.5	299.4	293.6	291.6
60°	2176.3	1667.5	673.2	313.1	258.3	252.5	276.0	305.3	319.0	315.1	317.1
62.5°	2266.3	1671.4	618.4	295.5	256.4	256.4	285.7	324.9	342.5	342.5	344.5
65°	2260.5	1620.5	553.9	279.9	254.4	260.3	297.5	342.5	364.0	369.9	371.9
67.5°	2182.2	1520.7	483.4	264.2	250.5	262.3	307.3	360.1	385.6	395.3	397.3
70°	1939.5	1334.8	413.0	250.5	242.7	258.3	309.2	369.9	395.3	405.1	407.1
72.5°	1591.1	1058.8	336.6	230.9	229.0	246.6	301.4	364.0	383.6	387.5	391.4
75°	1270.2	839.6	279.9	209.4	209.4	227.0	279.9	334.7	348.4	352.3	346.4
77.5°	951.2	636.1	232.9	189.8	189.8	207.5	252.5	295.5	307.3	305.3	307.3
80°	720.2	481.5	197.7	170.3	170.3	184.0	225.1	262.3	272.0	268.1	266.2
82.5°	540.2	360.1	172.2	152.7	152.7	164.4	195.7	227.0	234.9	234.9	229.0
85°	369.9	258.3	150.7	135.0	135.0	144.8	168.3	191.8	203.5	201.6	197.7
87.5°	258.3	195.7	133.1	121.3	119.4	127.2	144.8	166.4	180.1	182.0	178.1
90°	178.1	146.8	115.5	103.7	103.7	109.6	125.3	142.9	156.6	158.5	154.6
92.5°	125.3	111.6	95.9	88.1	86.1	93.9	103.7	115.5	123.3	123.3	125.3
95°	92.0	86.1	76.3	68.5	68.5	76.3	82.2	84.2	90.0	90.0	88.1
97.5°	70.5	68.5	62.6	54.8	52.8	60.7	62.6	64.6	68.5	66.5	64.6
100°	58.7	56.8	50.9	45.0	43.1	48.9	50.9	52.8	56.8	52.8	52.8
102.5°	47.0	47.0	43.1	37.2	37.2	41.1	43.1	45.0	47.0	45.0	43.1
105°	39.1	39.1	37.2	33.3	31.3	35.2	37.2	37.2	39.1	37.2	37.2
107.5°	31.3	33.3	31.3	27.4	27.4	29.4	31.3	31.3	31.3	31.3	31.3
110°	27.4	27.4	27.4	23.5	25.4	27.4	27.4	27.4	27.4	27.4	27.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.5	23.5	23.5	21.5	21.5	23.5	23.5	23.5	23.5	23.5	23.5
115°	21.5	21.5	21.5	19.6	19.6	21.5	19.6	19.6	19.6	21.5	21.5
117.5°	19.6	19.6	19.6	17.6	17.6	17.6	17.6	17.6	17.6	19.6	19.6
120°	17.6	17.6	17.6	15.7	15.7	15.7	15.7	15.7	15.7	17.6	17.6
122.5°	15.7	15.7	15.7	15.7	13.7	15.7	13.7	13.7	13.7	15.7	15.7
125°	13.7	15.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	15.7
127.5°	13.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7	11.7	13.7	13.7
130°	13.7	13.7	13.7	11.7	11.7	11.7	9.8	9.8	11.7	11.7	13.7
132.5°	13.7	13.7	11.7	11.7	9.8	9.8	9.8	9.8	11.7	11.7	11.7
135°	11.7	11.7	11.7	9.8	9.8	9.8	7.8	9.8	9.8	11.7	11.7
137.5°	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8
140°	9.8	9.8	7.8	7.8	7.8	5.9	5.9	7.8	7.8	9.8	9.8
142.5°	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
145°	5.9	5.9	5.9	5.9	3.9	3.9	5.9	5.9	5.9	7.8	7.8
147.5°	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	2.0	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)