

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: P695888

Luminaire Tested: **LXF.LXT-PA16-730-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6571 lumens
Efficiency: N/A
Efficacy: 91.3 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: B2 - U3 - G3

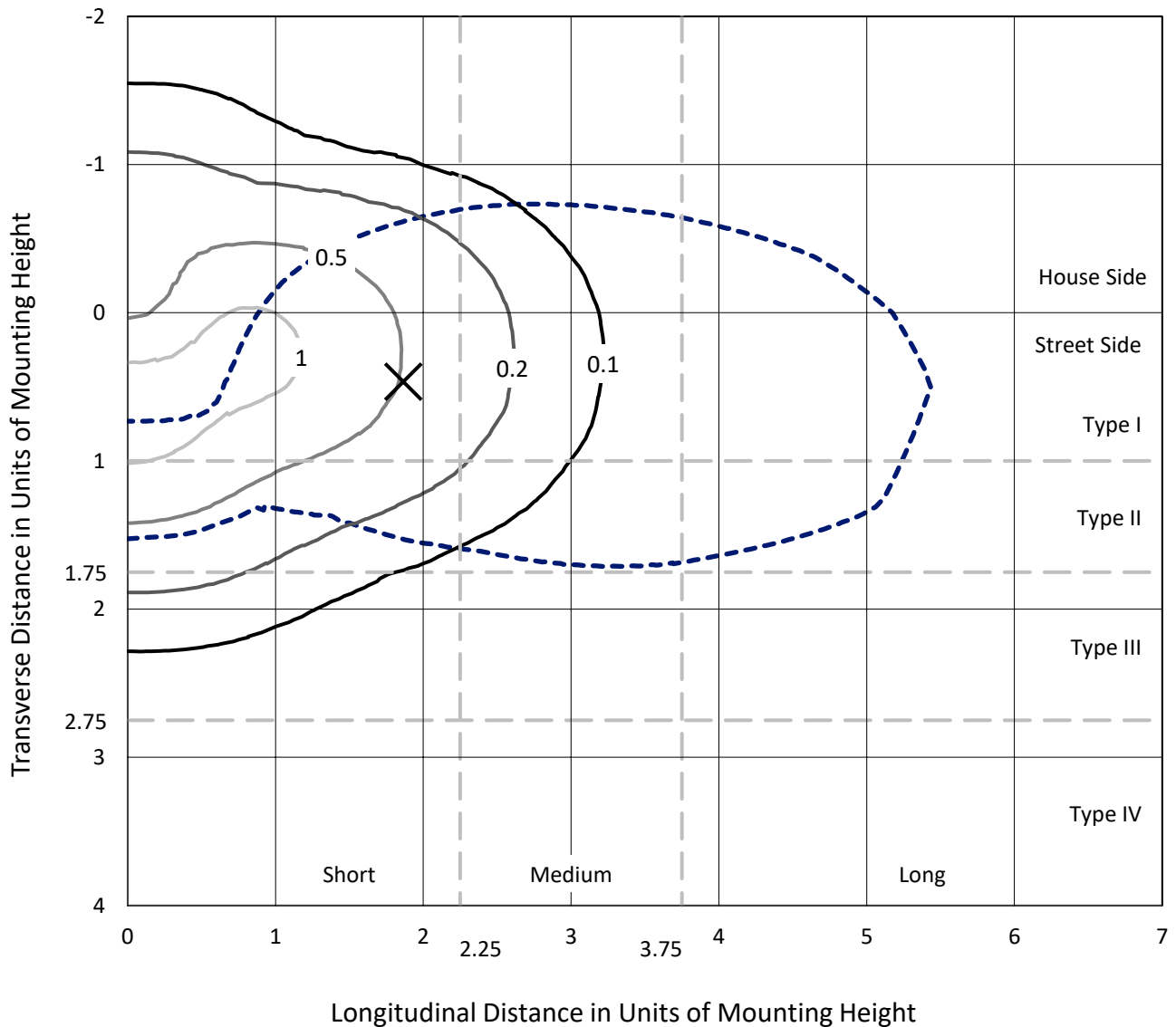
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

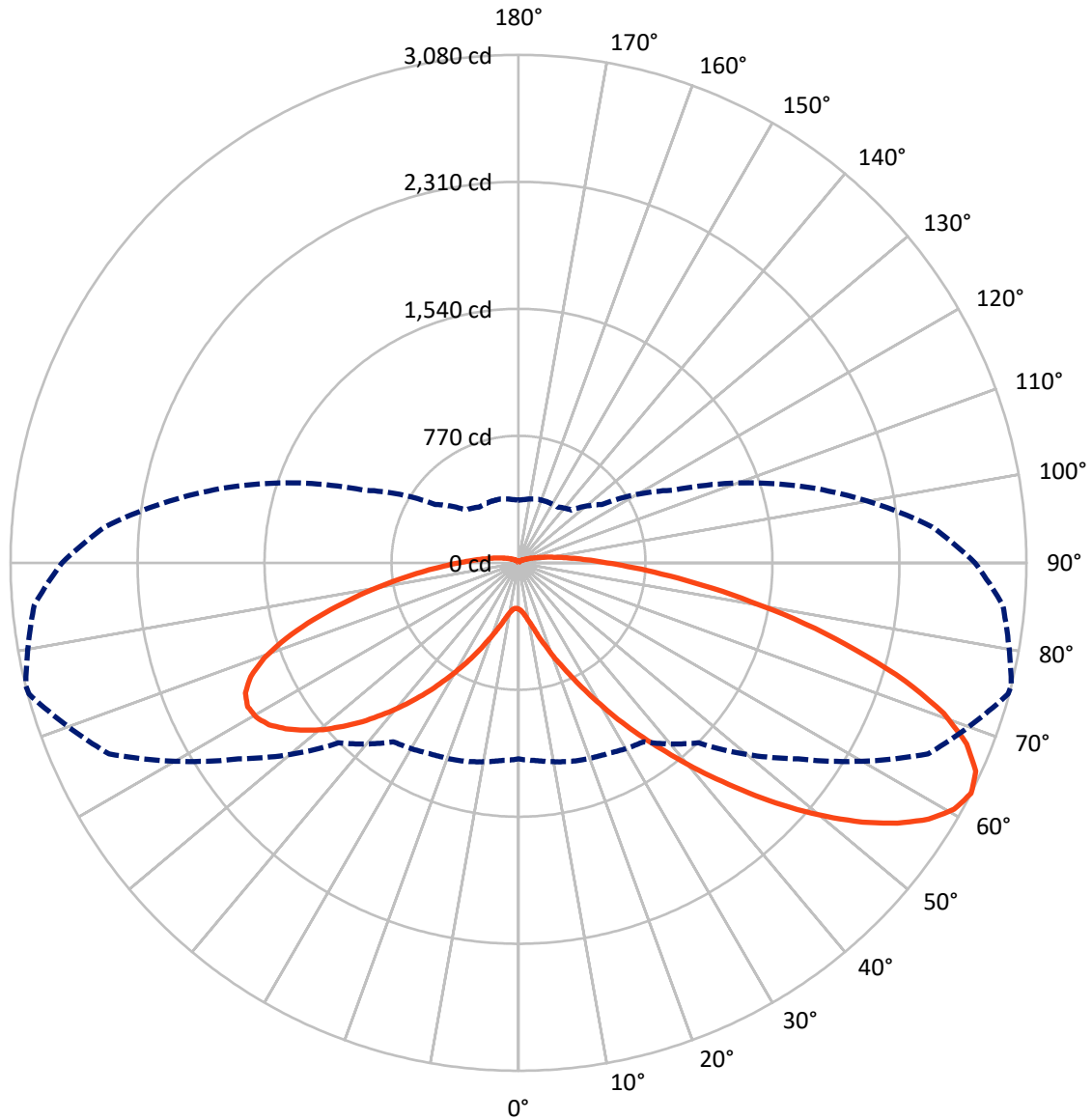
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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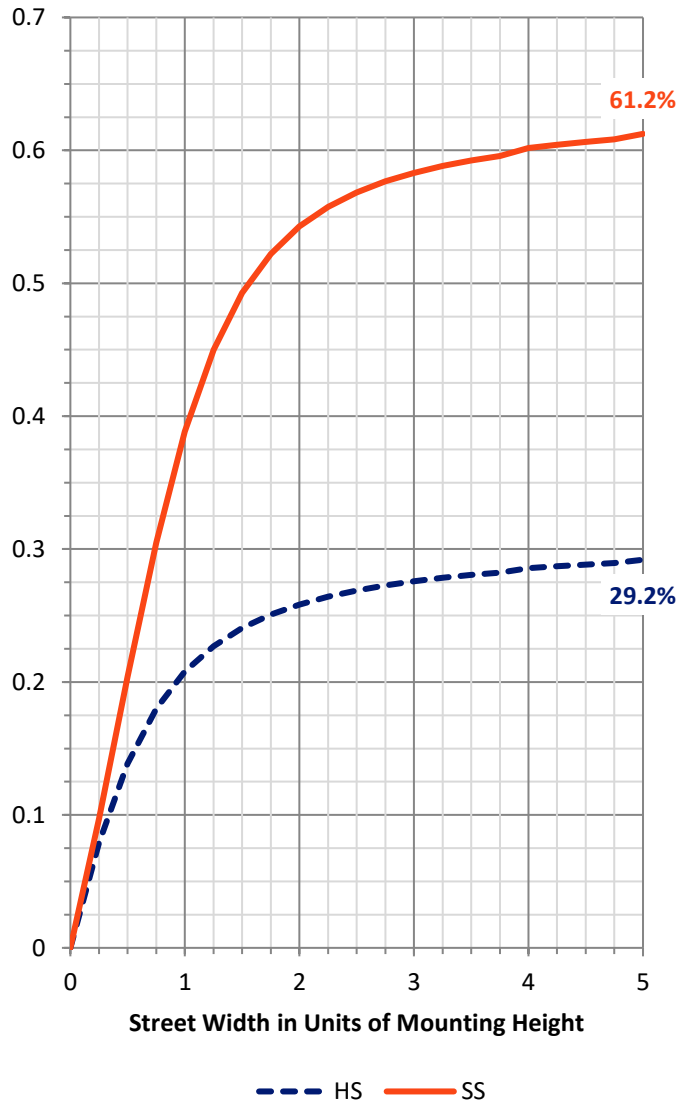
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1999.0	196.4	2195.4
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	4135.3	240.4	4375.6
	% Fixture	62.9	3.7	66.6
Total	Lumens	6134.3	436.7	6571.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	0.4
10°-20°	120.9	1.8
20°-30°	308.8	4.7
30°-40°	617.0	9.4
40°-50°	997.0	15.2
50°-60°	1304.1	19.8
60°-70°	1323.0	20.1
70°-80°	951.2	14.5
80°-90°	483.0	7.4
90°-100°	218.4	3.3
100°-110°	107.3	1.6
110°-120°	57.3	0.9
120°-130°	31.6	0.5
130°-140°	15.9	0.2
140°-150°	5.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6134.3	93.4
0°-180°	6571.0	100.0

Coefficient of Utilization



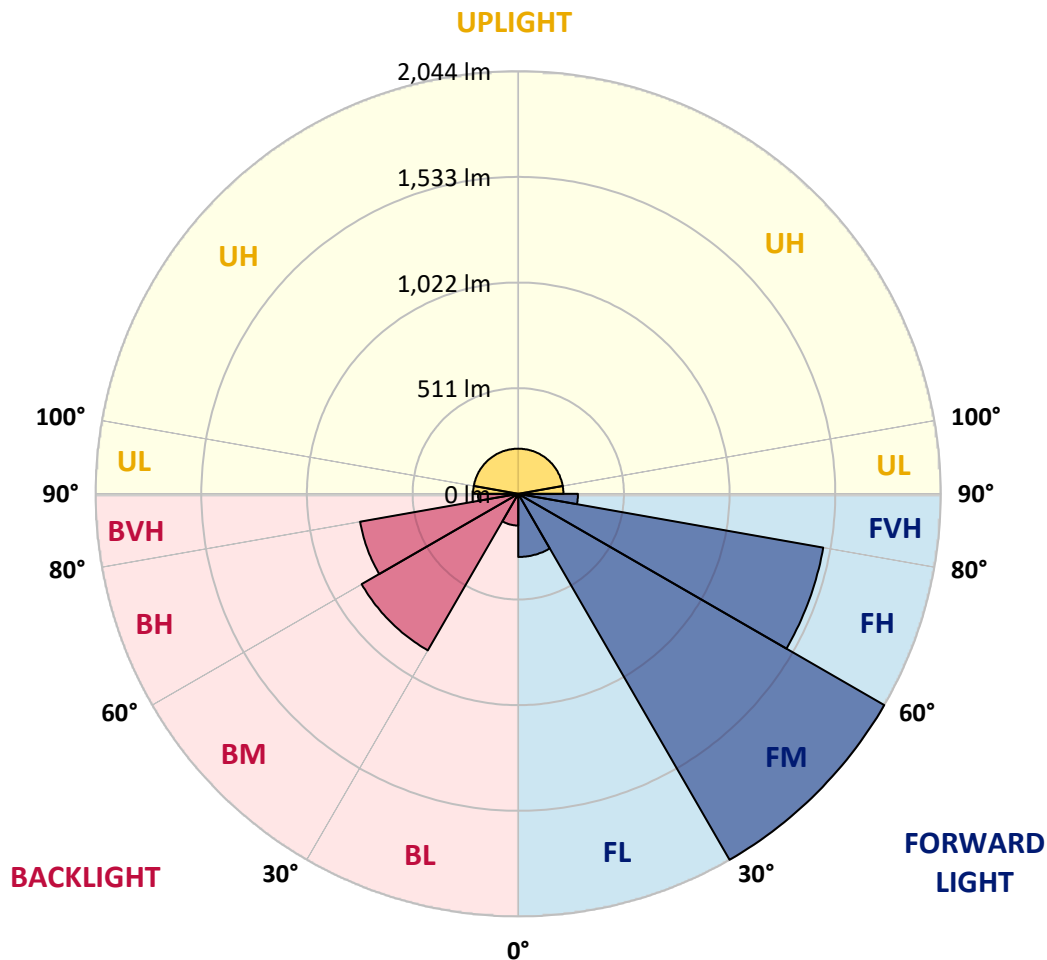
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.5	4.6			
FM (30°-60°)	2043.7	31.1			
FH (60°-80°)	1497.6	22.8			G1/1800
FVH (80°-90°)	288.5	4.4			G3/500
BL (0°-30°)	153.4	2.3	B1/500		
BM (30°-60°)	874.4	13.3	B1/1000		
BH (60°-80°)	776.6	11.8	B2/1000		G2/1000
BVH (80°-90°)	194.5	3.0			G2/225
UL (90°-100°)	218.4	3.3		U3/500	
UH (100°-180°)	218.3	3.3		U3/500	

BUG Rating: B2-U3-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	313.9	311.6	311.6	309.2	306.9	304.5	299.8	295.0	290.3	290.3	285.6
5°	356.4	354.1	354.1	349.3	344.6	335.2	328.1	318.7	309.2	306.9	297.4
7.5°	403.6	406.0	403.6	396.5	389.5	377.7	363.5	349.3	332.8	330.5	316.3
10°	462.6	465.0	457.9	448.5	441.4	429.6	408.3	389.5	368.2	365.9	347.0
12.5°	533.4	528.7	528.7	516.9	502.8	481.5	457.9	436.7	410.7	406.0	384.7
15°	604.3	613.7	606.6	590.1	568.9	547.6	524.0	498.0	472.1	467.4	436.7
17.5°	686.9	698.7	689.2	670.4	649.1	620.8	599.5	566.5	535.8	528.7	493.3
20°	790.7	790.7	778.9	755.3	731.7	710.5	679.8	644.4	609.0	606.6	559.4
22.5°	894.6	889.9	878.1	852.1	823.8	800.2	764.8	731.7	696.3	684.5	644.4
25°	1010.2	1005.5	984.3	948.9	925.3	892.2	863.9	830.9	793.1	781.3	736.4
27.5°	1128.3	1123.5	1097.6	1064.5	1026.8	993.7	965.4	939.4	892.2	892.2	840.3
30°	1251.0	1243.9	1213.2	1177.8	1130.6	1097.6	1081.1	1055.1	1022.0	1015.0	951.2
32.5°	1366.7	1369.0	1338.3	1288.8	1239.2	1206.2	1199.1	1192.0	1156.6	1154.2	1085.8
35°	1487.0	1482.3	1449.3	1399.7	1347.8	1317.1	1319.5	1333.6	1302.9	1298.2	1215.6
37.5°	1595.6	1595.6	1560.2	1498.8	1442.2	1418.6	1451.6	1489.4	1468.2	1454.0	1369.0
40°	1694.8	1687.7	1657.0	1593.3	1529.5	1527.2	1586.2	1642.8	1635.8	1631.0	1527.2
42.5°	1767.9	1758.5	1730.2	1664.1	1607.4	1619.2	1716.0	1824.6	1822.2	1812.8	1701.8
45°	1808.1	1803.3	1777.4	1716.0	1661.7	1706.6	1848.2	1994.5	2020.5	2013.4	1878.9
47.5°	1815.1	1812.8	1791.5	1737.2	1697.1	1770.3	1978.0	2173.9	2214.0	2216.4	2063.0
50°	1786.8	1786.8	1772.7	1730.2	1706.6	1815.1	2079.5	2358.0	2414.7	2417.0	2249.5
52.5°	1718.4	1718.4	1718.4	1690.0	1685.3	1829.3	2164.5	2504.4	2615.3	2613.0	2443.0
55°	1621.6	1619.2	1628.7	1623.9	1631.0	1805.7	2204.6	2641.3	2794.7	2787.6	2620.0
57.5°	1501.2	1494.1	1517.7	1527.2	1548.4	1749.1	2211.7	2733.3	2938.7	2934.0	2764.0
60°	1345.4	1350.1	1385.6	1402.1	1439.8	1659.4	2164.5	2766.4	3035.5	3035.5	2884.4
62.5°	1189.6	1203.8	1246.3	1277.0	1324.2	1543.7	2072.4	2740.4	3073.2	3080.3	2948.1
65°	1038.6	1057.5	1104.7	1137.7	1196.7	1402.1	1921.4	2638.9	3035.5	3047.3	2952.9
67.5°	901.7	906.4	958.3	996.1	1057.5	1251.0	1749.1	2466.6	2910.4	2931.6	2877.3
70°	769.5	776.6	828.5	871.0	925.3	1092.9	1543.7	2211.7	2700.3	2735.7	2709.7
72.5°	642.0	653.8	698.7	748.2	800.2	946.5	1324.2	1954.4	2417.0	2454.8	2469.0
75°	540.5	552.3	597.2	644.4	691.6	809.6	1128.3	1654.6	2091.3	2112.6	2181.0
77.5°	448.5	462.6	500.4	547.6	590.1	689.2	934.7	1364.3	1758.5	1775.0	1834.0
80°	375.3	387.1	417.8	462.6	495.7	578.3	764.8	1104.7	1409.2	1430.4	1482.3
82.5°	311.6	316.3	349.3	387.1	422.5	488.6	625.5	878.1	1104.7	1128.3	1199.1
85°	262.0	264.4	292.7	323.4	356.4	406.0	509.8	686.9	852.1	868.6	920.6
87.5°	212.4	217.2	245.5	273.8	299.8	342.3	413.1	540.5	656.2	663.3	698.7
90°	177.0	181.8	205.4	231.3	257.3	285.6	339.9	417.8	500.4	505.1	526.4
92.5°	148.7	151.1	172.3	198.3	221.9	245.5	278.5	330.5	389.5	394.2	403.6
95°	125.1	127.5	146.3	167.6	188.8	207.7	233.7	266.7	302.1	304.5	313.9
97.5°	108.6	108.6	125.1	144.0	162.9	177.0	193.6	217.2	238.4	236.0	238.4
100°	92.1	92.1	106.2	125.1	141.6	153.4	162.9	174.7	184.1	186.5	186.5
102.5°	80.3	80.3	92.1	110.9	125.1	134.5	141.6	144.0	148.7	148.7	146.3
105°	68.5	70.8	80.3	96.8	108.6	118.0	120.4	120.4	118.0	118.0	118.0
107.5°	61.4	61.4	70.8	85.0	96.8	103.9	106.2	101.5	96.8	94.4	94.4
110°	56.6	56.6	63.7	75.5	87.3	92.1	92.1	85.0	77.9	80.3	77.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	49.6	51.9	56.6	68.5	77.9	82.6	80.3	73.2	66.1	63.7	63.7
115°	47.2	47.2	51.9	61.4	70.8	73.2	70.8	63.7	54.3	54.3	54.3
117.5°	42.5	42.5	47.2	54.3	61.4	66.1	61.4	54.3	44.8	44.8	44.8
120°	40.1	40.1	42.5	49.6	56.6	59.0	54.3	47.2	37.8	37.8	40.1
122.5°	37.8	37.8	40.1	44.8	49.6	51.9	49.6	40.1	33.0	33.0	35.4
125°	35.4	35.4	35.4	40.1	44.8	47.2	42.5	35.4	28.3	28.3	30.7
127.5°	33.0	33.0	33.0	35.4	40.1	40.1	37.8	30.7	26.0	26.0	28.3
130°	30.7	30.7	30.7	33.0	35.4	35.4	30.7	26.0	23.6	23.6	23.6
132.5°	28.3	28.3	28.3	28.3	30.7	30.7	26.0	21.2	18.9	21.2	21.2
135°	26.0	26.0	26.0	26.0	26.0	26.0	21.2	16.5	16.5	16.5	18.9
137.5°	23.6	23.6	23.6	21.2	21.2	21.2	16.5	14.2	14.2	14.2	16.5
140°	21.2	21.2	21.2	18.9	16.5	16.5	11.8	11.8	11.8	11.8	14.2
142.5°	18.9	18.9	18.9	16.5	14.2	11.8	9.4	9.4	9.4	9.4	11.8
145°	16.5	16.5	14.2	14.2	9.4	7.1	7.1	7.1	7.1	9.4	9.4
147.5°	14.2	14.2	11.8	9.4	7.1	4.7	2.4	4.7	4.7	4.7	7.1
150°	9.4	9.4	9.4	7.1	4.7	2.4	2.4	2.4	4.7	4.7	4.7
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°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	283.2	280.9	276.2	271.4	266.7	264.4	262.0	259.6	259.6	259.6	259.6
5°	292.7	285.6	276.2	266.7	257.3	250.2	243.1	238.4	236.0	233.7	233.7
7.5°	309.2	299.8	283.2	269.1	254.9	240.8	231.3	224.2	219.5	217.2	217.2
10°	332.8	321.0	299.8	278.5	257.3	240.8	226.6	217.2	210.1	207.7	205.4
12.5°	370.6	356.4	325.7	295.0	269.1	245.5	229.0	214.8	207.7	205.4	205.4
15°	420.1	401.3	361.1	323.4	288.0	257.3	238.4	229.0	224.2	219.5	219.5
17.5°	472.1	450.8	406.0	358.8	316.3	280.9	259.6	250.2	240.8	238.4	238.4
20°	540.5	512.2	455.6	398.9	349.3	313.9	288.0	269.1	259.6	257.3	257.3
22.5°	613.7	578.3	514.6	443.8	389.5	344.6	313.9	290.3	280.9	276.2	276.2
25°	696.3	663.3	580.7	495.7	434.3	380.0	339.9	313.9	302.1	299.8	299.8
27.5°	795.5	755.3	653.8	557.1	476.8	410.7	365.9	335.2	323.4	321.0	321.0
30°	911.1	854.5	734.1	623.1	521.6	439.0	384.7	356.4	342.3	342.3	342.3
32.5°	1019.7	960.7	821.4	689.2	561.8	462.6	403.6	375.3	361.1	361.1	361.1
35°	1151.9	1083.4	915.8	753.0	597.2	483.9	417.8	389.5	377.7	375.3	375.3
37.5°	1298.2	1210.9	1010.2	812.0	630.2	498.0	429.6	401.3	389.5	387.1	387.1
40°	1444.6	1343.1	1114.1	873.3	653.8	507.5	436.7	410.7	398.9	394.2	394.2
42.5°	1600.3	1484.7	1213.2	930.0	675.1	512.2	439.0	417.8	406.0	398.9	398.9
45°	1767.9	1631.0	1319.5	974.8	689.2	514.6	441.4	420.1	410.7	401.3	401.3
47.5°	1947.3	1786.8	1416.2	1017.3	694.0	512.2	441.4	422.5	410.7	401.3	398.9
50°	2110.2	1937.9	1515.4	1050.4	694.0	507.5	441.4	424.9	413.1	398.9	398.9
52.5°	2282.5	2086.6	1600.3	1071.6	689.2	500.4	439.0	422.5	413.1	396.5	396.5
55°	2452.4	2228.2	1678.2	1083.4	677.4	491.0	434.3	422.5	410.7	394.2	391.8
57.5°	2589.4	2358.0	1742.0	1083.4	660.9	479.2	427.2	420.1	408.3	391.8	389.5
60°	2700.3	2457.2	1777.4	1069.3	639.7	467.4	420.1	415.4	406.0	387.1	384.7
62.5°	2768.7	2516.2	1786.8	1043.3	616.1	453.2	413.1	408.3	401.3	384.7	380.0
65°	2780.5	2523.3	1758.5	998.4	585.4	434.3	401.3	401.3	394.2	377.7	375.3
67.5°	2712.1	2454.8	1687.7	937.1	552.3	415.4	387.1	389.5	384.7	370.6	365.9
70°	2565.7	2322.6	1569.7	866.3	514.6	396.5	370.6	372.9	368.2	356.4	354.1
72.5°	2339.1	2105.5	1411.5	781.3	474.4	372.9	354.1	354.1	351.7	339.9	335.2
75°	2058.3	1855.3	1229.8	691.6	434.3	347.0	332.8	332.8	330.5	318.7	313.9
77.5°	1744.3	1567.3	1040.9	604.3	391.8	321.0	306.9	309.2	306.9	292.7	292.7
80°	1409.2	1286.4	868.6	519.3	351.7	292.7	280.9	283.2	278.5	264.4	259.6
82.5°	1130.6	1029.1	703.4	443.8	311.6	266.7	254.9	254.9	247.8	236.0	233.7
85°	863.9	790.7	568.9	372.9	276.2	238.4	229.0	226.6	217.2	205.4	203.0
87.5°	672.7	611.3	455.6	316.3	240.8	212.4	203.0	198.3	188.8	177.0	174.7
90°	507.5	469.7	363.5	264.4	212.4	188.8	179.4	172.3	162.9	151.1	146.3
92.5°	394.2	370.6	295.0	226.6	184.1	167.6	158.1	151.1	139.3	129.8	125.1
95°	304.5	290.3	243.1	193.6	162.9	146.3	139.3	132.2	122.7	110.9	106.2
97.5°	240.8	229.0	198.3	165.2	144.0	132.2	122.7	115.7	103.9	94.4	92.1
100°	188.8	181.8	165.2	141.6	127.5	115.7	108.6	101.5	89.7	80.3	80.3
102.5°	148.7	146.3	136.9	122.7	113.3	103.9	96.8	89.7	80.3	70.8	68.5
105°	120.4	120.4	113.3	106.2	99.1	92.1	87.3	80.3	68.5	61.4	59.0
107.5°	96.8	99.1	96.8	94.4	87.3	82.6	77.9	68.5	59.0	51.9	51.9
110°	80.3	80.3	82.6	80.3	77.9	73.2	68.5	61.4	51.9	47.2	47.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	66.1	68.5	70.8	70.8	68.5	66.1	61.4	54.3	44.8	40.1	40.1
115°	56.6	56.6	61.4	61.4	61.4	59.0	54.3	47.2	40.1	35.4	37.8
117.5°	47.2	49.6	51.9	54.3	54.3	51.9	47.2	40.1	33.0	33.0	33.0
120°	42.5	42.5	44.8	47.2	47.2	47.2	42.5	35.4	30.7	28.3	28.3
122.5°	37.8	37.8	40.1	42.5	42.5	40.1	37.8	30.7	26.0	26.0	26.0
125°	33.0	33.0	35.4	37.8	37.8	35.4	30.7	26.0	23.6	23.6	23.6
127.5°	28.3	30.7	30.7	33.0	33.0	30.7	28.3	23.6	18.9	21.2	21.2
130°	26.0	26.0	28.3	28.3	28.3	26.0	23.6	18.9	18.9	18.9	18.9
132.5°	23.6	23.6	23.6	23.6	23.6	23.6	18.9	16.5	16.5	16.5	16.5
135°	18.9	21.2	21.2	21.2	21.2	18.9	16.5	14.2	14.2	14.2	16.5
137.5°	16.5	16.5	18.9	16.5	16.5	16.5	11.8	11.8	11.8	14.2	14.2
140°	14.2	14.2	14.2	14.2	14.2	11.8	9.4	9.4	11.8	11.8	11.8
142.5°	11.8	11.8	11.8	11.8	9.4	9.4	7.1	7.1	9.4	9.4	11.8
145°	9.4	9.4	9.4	9.4	7.1	7.1	4.7	7.1	7.1	9.4	9.4
147.5°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	4.7	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	2.4	2.4	2.4	4.7	4.7	7.1	7.1
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)