

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: P695886

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6713 lumens
Efficiency: N/A
Efficacy: 93.2 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 - G2

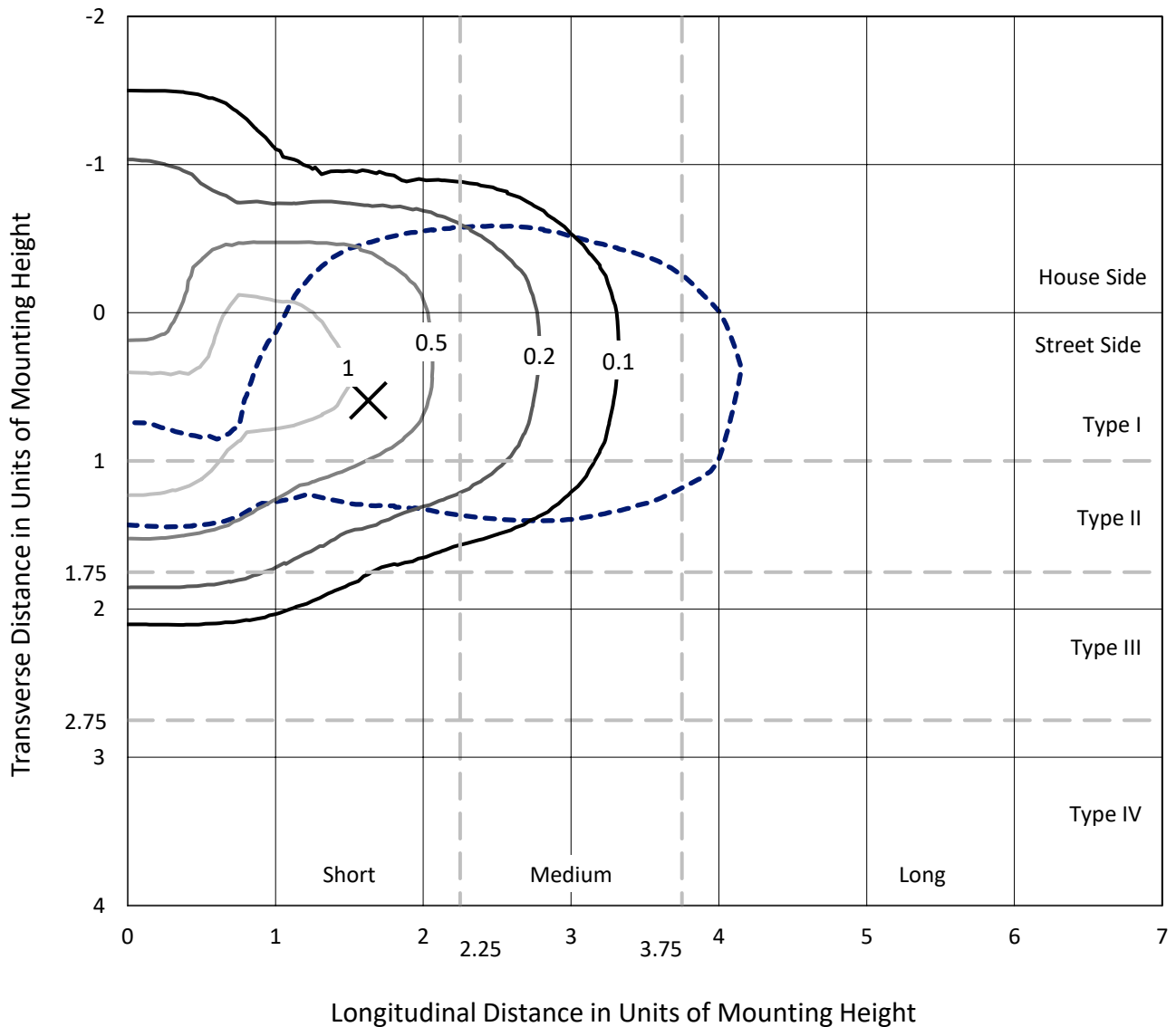
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

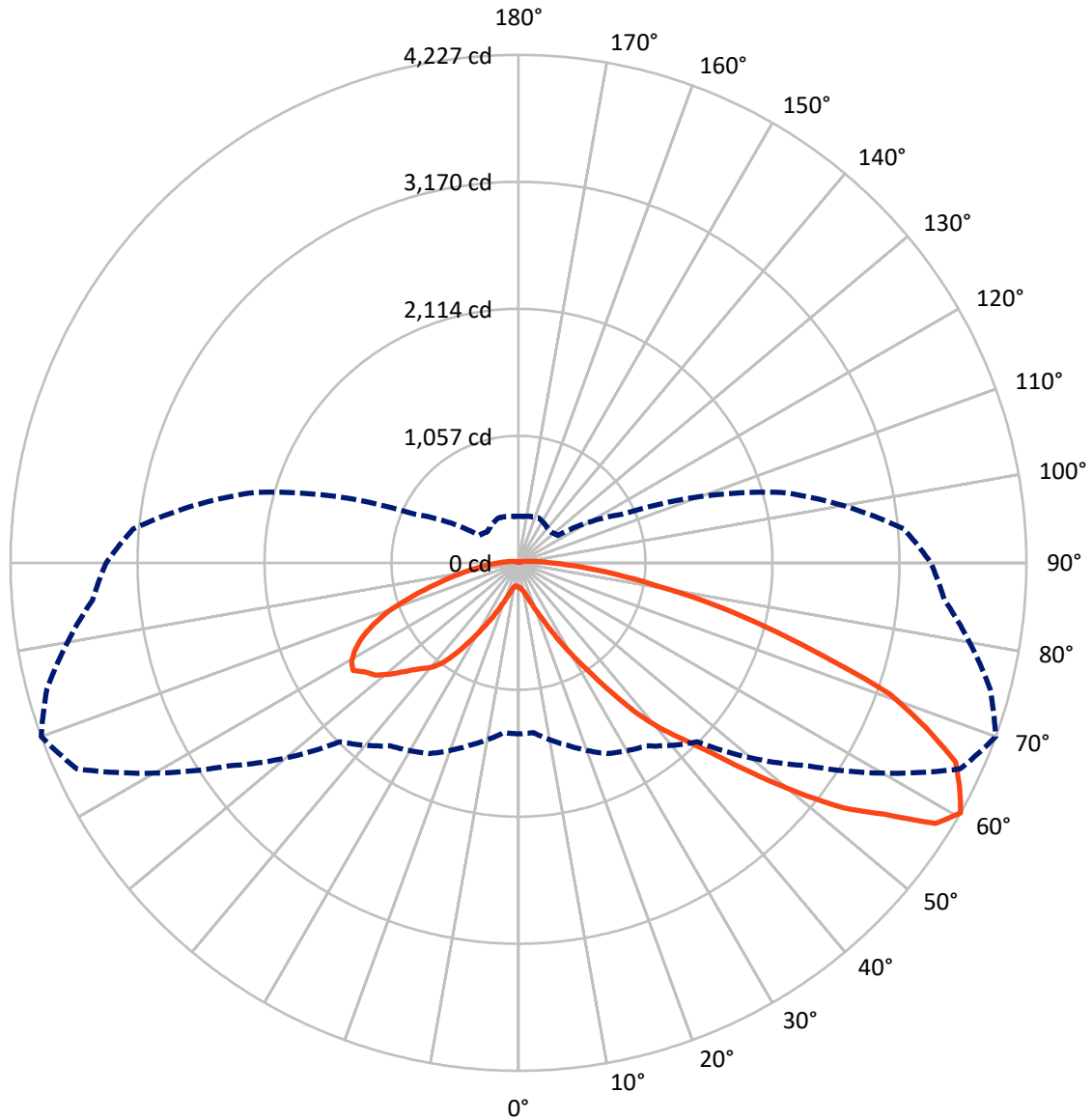
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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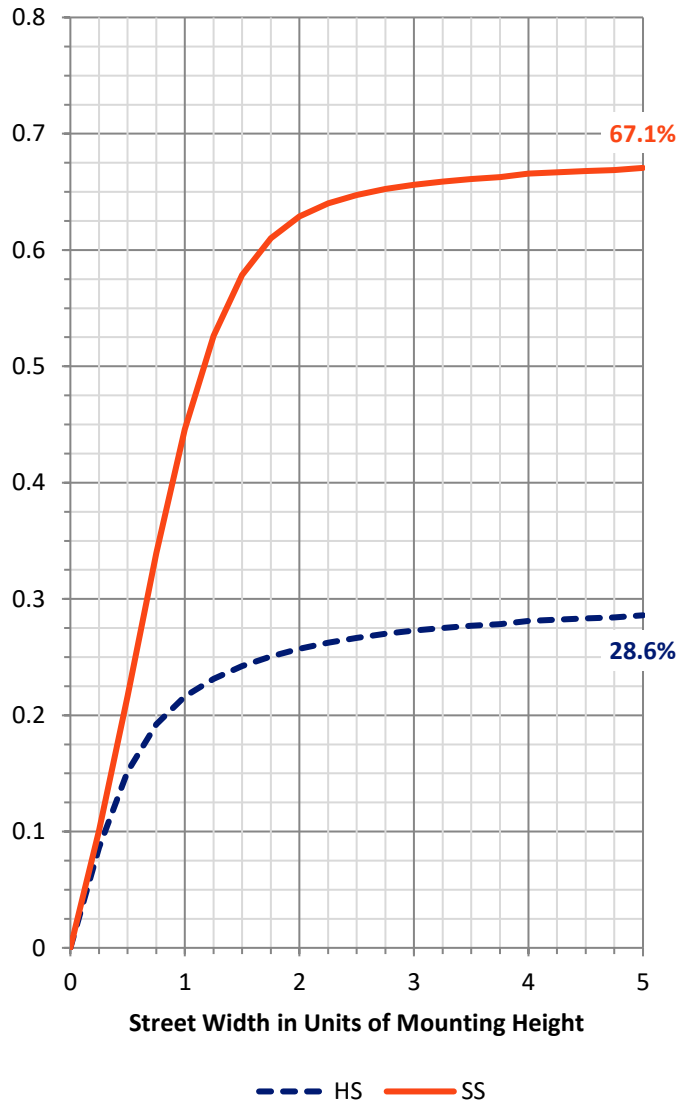
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1976.4	99.7	2076.1
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	4551.8	85.0	4636.9
	% Fixture	67.8	1.3	69.1
Total	Lumens	6528.2	184.8	6713.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.3
10°-20°	85.6	1.3
20°-30°	271.3	4.0
30°-40°	667.6	9.9
40°-50°	1155.3	17.2
50°-60°	1626.0	24.2
60°-70°	1511.9	22.5
70°-80°	862.2	12.8
80°-90°	328.0	4.9
90°-100°	97.8	1.5
100°-110°	39.8	0.6
110°-120°	21.2	0.3
120°-130°	13.3	0.2
130°-140°	8.6	0.1
140°-150°	3.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6528.2	97.2
0°-180°	6713.0	100.0

Coefficient of Utilization

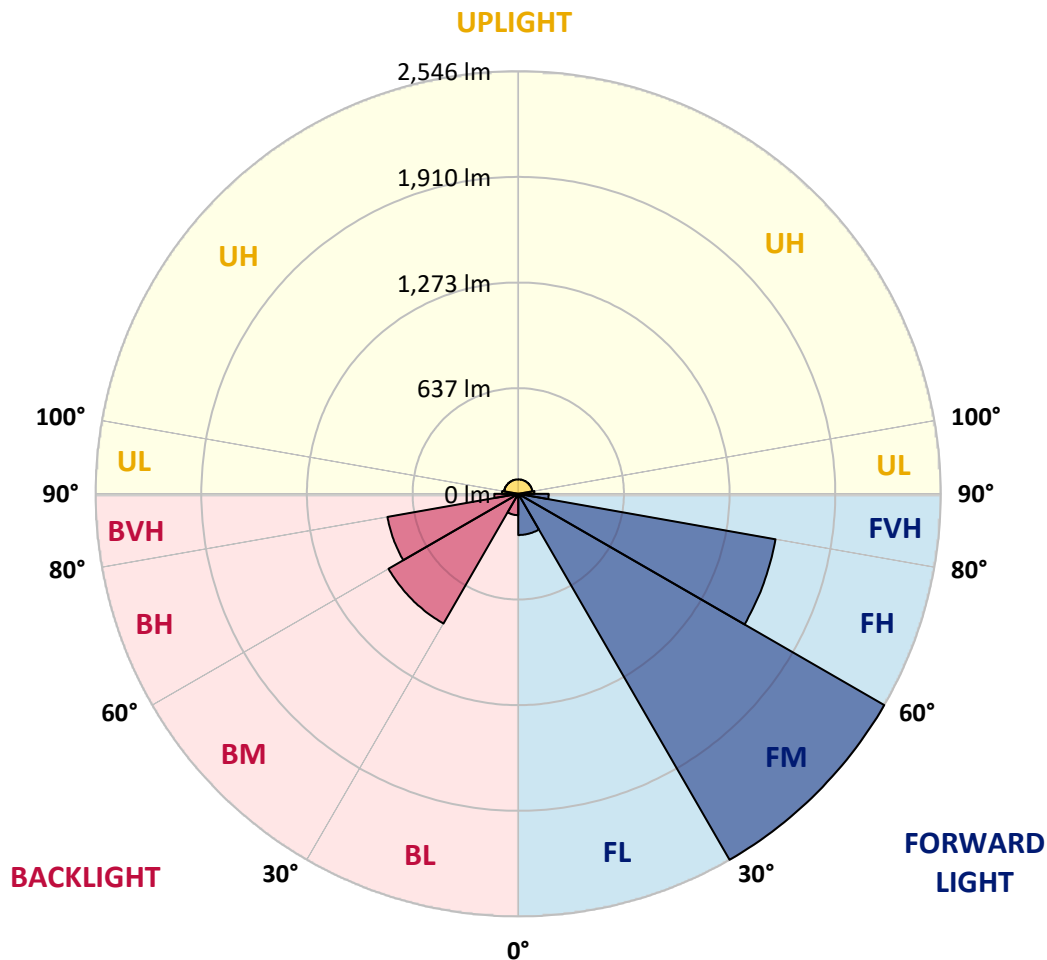


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.4	3.7			
FM (30°-60°)	2546.3	37.9			
FH (60°-80°)	1573.9	23.4			G1/1800
FVH (80°-90°)	183.2	2.7			G2/225
BL (0°-30°)	128.8	1.9	B1/500		
BM (30°-60°)	902.6	13.4	B1/1000		
BH (60°-80°)	800.2	11.9	B2/1000		G2/1000
BVH (80°-90°)	144.8	2.2			G2/225
UL (90°-100°)	97.8	1.5		U3/500	
UH (100°-180°)	86.9	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	217.1	214.8	214.8	214.8	214.8	212.4	210.1	207.7	207.7	205.3	203.0
5°	236.0	236.0	236.0	233.7	231.3	228.9	224.2	219.5	217.1	212.4	207.7
7.5°	266.7	262.0	262.0	259.6	252.5	247.8	240.7	231.3	228.9	224.2	217.1
10°	304.5	302.1	299.8	292.7	280.9	271.4	264.4	252.5	245.5	240.7	231.3
12.5°	363.5	363.5	356.4	342.2	325.7	309.2	295.0	280.9	273.8	266.7	257.3
15°	436.7	434.3	431.9	408.3	382.4	358.8	335.2	318.6	311.6	306.8	290.3
17.5°	533.4	535.8	521.6	483.9	446.1	420.1	391.8	370.6	361.1	354.0	339.9
20°	658.5	656.2	634.9	580.6	538.1	495.7	465.0	431.9	424.9	417.8	401.2
22.5°	821.4	816.7	774.2	708.1	644.4	585.3	545.2	521.6	507.5	498.0	483.9
25°	989.0	1007.8	948.8	868.6	776.5	686.8	644.4	630.2	616.0	609.0	590.1
27.5°	1253.3	1255.7	1170.7	1040.9	918.1	826.1	771.8	748.2	748.2	738.8	715.2
30°	1534.2	1531.8	1428.0	1262.7	1095.2	967.7	911.1	896.9	901.6	889.8	856.8
32.5°	1782.0	1777.3	1661.6	1498.8	1276.9	1121.1	1066.8	1071.6	1076.3	1085.7	1059.8
35°	2051.1	2048.7	1911.8	1711.2	1470.5	1295.8	1258.0	1302.9	1305.2	1319.4	1260.4
37.5°	2147.9	2162.0	2077.0	1897.7	1642.8	1475.2	1477.5	1527.1	1569.6	1574.3	1491.7
40°	2221.0	2228.1	2150.2	2006.2	1798.5	1661.6	1720.6	1800.9	1803.3	1763.1	1628.6
42.5°	2388.6	2395.7	2287.1	2105.4	1911.8	1850.5	1935.4	2020.4	2003.9	1968.5	1800.9
45°	2497.2	2506.6	2435.8	2261.1	2025.1	1989.7	2145.5	2258.8	2256.4	2232.8	2001.5
47.5°	2608.1	2622.3	2549.1	2383.9	2154.9	2119.5	2376.8	2610.5	2608.1	2542.0	2268.2
50°	2575.1	2586.9	2591.6	2483.0	2247.0	2254.1	2619.9	2978.7	2997.6	2912.6	2593.9
52.5°	2374.4	2393.3	2461.8	2475.9	2313.1	2346.1	2855.9	3368.1	3391.7	3250.1	2846.5
55°	2114.8	2138.4	2228.1	2327.2	2272.9	2369.7	3051.8	3677.3	3691.5	3575.8	3169.9
57.5°	1767.8	1817.4	1933.1	2074.7	2107.7	2313.1	3054.2	3932.2	4092.7	4003.0	3521.5
60°	1423.2	1418.5	1571.9	1751.3	1859.9	2105.4	2945.6	4057.3	4227.3	4064.4	3559.3
62.5°	1022.0	1038.5	1203.7	1411.4	1546.0	1782.0	2693.1	3811.8	4121.0	4116.3	3757.6
65°	729.3	745.8	866.2	1064.5	1220.3	1477.5	2284.7	3571.1	3996.0	4033.7	3738.7
67.5°	519.3	526.3	618.4	774.2	911.1	1128.2	1871.7	3228.9	3653.7	3767.0	3630.1
70°	389.4	396.5	453.2	568.8	665.6	823.7	1494.1	2737.9	3280.8	3446.0	3351.6
72.5°	299.8	309.2	347.0	434.3	490.9	587.7	1116.4	2232.8	2653.0	2815.8	2775.7
75°	236.0	240.7	269.1	328.1	363.5	413.0	790.7	1718.3	2112.4	2346.1	2346.1
77.5°	188.8	195.9	214.8	257.3	288.0	306.8	542.9	1234.4	1638.0	1874.1	1928.3
80°	151.1	155.8	172.3	203.0	224.2	236.0	365.8	856.8	1175.4	1456.3	1614.4
82.5°	120.4	120.4	136.9	160.5	181.7	195.9	269.1	606.6	840.3	1052.7	1227.3
85°	96.8	99.1	108.6	125.1	146.3	165.2	207.7	415.4	573.5	705.7	849.7
87.5°	75.5	75.5	85.0	96.8	118.0	139.3	169.9	280.9	377.6	486.2	571.2
90°	54.3	56.6	61.4	70.8	92.1	113.3	134.5	195.9	250.2	304.5	361.1
92.5°	40.1	40.1	42.5	49.6	66.1	89.7	108.6	141.6	172.3	198.3	224.2
95°	30.7	30.7	33.0	35.4	47.2	68.4	82.6	103.9	120.4	139.3	151.1
97.5°	26.0	26.0	26.0	28.3	37.8	51.9	63.7	77.9	89.7	101.5	113.3
100°	23.6	23.6	23.6	23.6	30.7	44.8	49.6	61.4	68.4	77.9	85.0
102.5°	21.2	21.2	21.2	21.2	28.3	37.8	42.5	47.2	54.3	59.0	66.1
105°	18.9	18.9	18.9	18.9	23.6	30.7	35.4	40.1	42.5	44.8	49.6
107.5°	16.5	16.5	16.5	16.5	21.2	28.3	30.7	30.7	33.0	35.4	40.1
110°	14.2	14.2	14.2	16.5	18.9	23.6	26.0	26.0	26.0	28.3	33.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.2	14.2	14.2	14.2	16.5	21.2	21.2	21.2	23.6	23.6	28.3
115°	11.8	11.8	11.8	14.2	16.5	18.9	18.9	18.9	18.9	21.2	23.6
117.5°	11.8	11.8	11.8	11.8	16.5	18.9	18.9	16.5	16.5	18.9	21.2
120°	11.8	11.8	11.8	11.8	14.2	16.5	16.5	16.5	16.5	16.5	18.9
122.5°	11.8	11.8	11.8	11.8	14.2	14.2	14.2	14.2	14.2	14.2	16.5
125°	11.8	11.8	11.8	11.8	14.2	14.2	14.2	11.8	11.8	14.2	16.5
127.5°	14.2	14.2	11.8	11.8	11.8	14.2	11.8	11.8	11.8	11.8	14.2
130°	14.2	14.2	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	14.2
132.5°	14.2	14.2	11.8	11.8	11.8	11.8	11.8	9.4	9.4	11.8	14.2
135°	11.8	14.2	11.8	11.8	11.8	9.4	9.4	9.4	9.4	9.4	11.8
137.5°	11.8	11.8	11.8	9.4	9.4	9.4	7.1	7.1	7.1	9.4	9.4
140°	11.8	11.8	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4
142.5°	9.4	9.4	9.4	7.1	7.1	7.1	4.7	4.7	4.7	4.7	7.1
145°	9.4	9.4	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	7.1	7.1	7.1	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4
150°	7.1	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	203.0	200.6	198.3	198.3	195.9	193.5	191.2	191.2	191.2	191.2	191.2
5°	205.3	203.0	198.3	193.5	188.8	184.1	181.7	177.0	177.0	177.0	174.7
7.5°	212.4	207.7	200.6	191.2	184.1	177.0	169.9	167.6	165.2	162.9	162.9
10°	224.2	219.5	207.7	195.9	184.1	174.7	165.2	158.1	153.4	153.4	153.4
12.5°	247.8	240.7	224.2	205.3	188.8	174.7	162.9	155.8	153.4	153.4	155.8
15°	285.6	276.2	252.5	228.9	203.0	181.7	172.3	172.3	174.7	177.0	177.0
17.5°	330.4	318.6	292.7	259.6	228.9	207.7	198.3	200.6	205.3	207.7	207.7
20°	394.2	372.9	347.0	302.1	262.0	243.1	231.3	228.9	240.7	245.5	245.5
22.5°	467.3	455.5	413.0	356.4	309.2	280.9	264.4	259.6	271.4	276.2	276.2
25°	575.9	552.3	502.7	427.2	365.8	318.6	295.0	290.3	306.8	316.3	316.3
27.5°	701.0	665.6	604.2	507.5	422.5	354.0	323.4	323.4	339.9	354.0	356.4
30°	830.8	790.7	717.5	597.2	479.1	382.4	344.6	347.0	363.5	384.7	380.0
32.5°	1019.6	963.0	854.4	698.6	531.1	406.0	356.4	365.8	391.8	420.1	415.4
35°	1203.7	1144.7	1014.9	811.9	575.9	417.8	363.5	384.7	413.0	434.3	434.3
37.5°	1399.6	1326.5	1161.3	911.1	623.1	424.9	368.2	389.4	417.8	431.9	431.9
40°	1529.5	1456.3	1267.5	981.9	642.0	422.5	365.8	387.1	406.0	410.7	406.0
42.5°	1692.3	1583.7	1350.1	1014.9	632.6	410.7	358.8	375.3	382.4	380.0	380.0
45°	1885.9	1765.5	1468.1	1026.7	604.2	391.8	349.3	361.1	370.6	372.9	372.9
47.5°	2145.5	2006.2	1621.5	1045.6	568.8	372.9	344.6	363.5	372.9	365.8	365.8
50°	2445.2	2282.4	1798.5	1062.1	533.4	358.8	347.0	370.6	372.9	365.8	363.5
52.5°	2683.6	2506.6	1952.0	1081.0	498.0	351.7	356.4	380.0	377.6	365.8	363.5
55°	2999.9	2818.2	2088.8	1038.5	465.0	354.0	365.8	389.4	382.4	363.5	363.5
57.5°	3372.8	3153.3	2270.6	1014.9	427.2	361.1	377.6	398.9	387.1	370.6	368.2
60°	3431.8	3219.4	2265.9	955.9	398.9	365.8	387.1	408.3	398.9	387.1	387.1
62.5°	3632.5	3403.5	2228.1	852.1	377.6	365.8	394.2	420.1	422.5	415.4	413.0
65°	3606.5	3356.3	2131.3	748.2	358.8	361.1	398.9	434.3	436.7	439.0	439.0
67.5°	3512.1	3250.1	1963.8	656.2	337.5	354.0	398.9	431.9	443.7	453.2	453.2
70°	3224.1	2985.8	1751.3	564.1	316.3	335.2	380.0	417.8	429.6	441.4	443.7
72.5°	2697.8	2475.9	1437.4	479.1	288.0	306.8	347.0	382.4	396.5	406.0	403.6
75°	2249.3	2070.0	1168.3	380.0	257.3	271.4	304.5	335.2	344.6	351.7	351.7
77.5°	1857.5	1697.0	920.5	311.6	224.2	236.0	262.0	285.6	295.0	297.4	292.7
80°	1550.7	1361.9	722.2	252.5	191.2	198.3	224.2	243.1	252.5	247.8	250.2
82.5°	1199.0	1043.2	547.6	212.4	167.6	169.9	188.8	205.3	212.4	207.7	205.3
85°	814.3	708.1	394.2	184.1	146.3	144.0	155.8	169.9	174.7	172.3	169.9
87.5°	538.1	467.3	285.6	158.1	127.5	125.1	132.2	144.0	148.7	146.3	141.6
90°	339.9	309.2	205.3	134.5	110.9	106.2	110.9	118.0	125.1	122.7	120.4
92.5°	217.1	195.9	151.1	110.9	94.4	89.7	89.7	94.4	99.1	94.4	89.7
95°	146.3	141.6	115.7	89.7	77.9	73.2	70.8	70.8	75.5	70.8	68.4
97.5°	113.3	108.6	94.4	70.8	61.4	59.0	56.6	56.6	61.4	56.6	54.3
100°	87.3	87.3	75.5	59.0	47.2	47.2	47.2	49.6	51.9	49.6	49.6
102.5°	68.4	68.4	63.7	49.6	40.1	40.1	40.1	42.5	47.2	44.8	44.8
105°	51.9	54.3	51.9	40.1	35.4	35.4	35.4	37.8	40.1	40.1	40.1
107.5°	42.5	44.8	42.5	35.4	30.7	30.7	30.7	33.0	35.4	37.8	37.8
110°	35.4	37.8	35.4	30.7	28.3	28.3	28.3	28.3	33.0	33.0	35.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	30.7	30.7	26.0	26.0	26.0	23.6	26.0	28.3	30.7	30.7
115°	26.0	26.0	26.0	23.6	23.6	23.6	21.2	21.2	26.0	28.3	28.3
117.5°	23.6	23.6	23.6	21.2	21.2	21.2	18.9	18.9	21.2	26.0	26.0
120°	21.2	21.2	21.2	18.9	18.9	18.9	16.5	16.5	18.9	23.6	23.6
122.5°	18.9	18.9	18.9	16.5	16.5	16.5	16.5	16.5	18.9	21.2	21.2
125°	16.5	16.5	16.5	16.5	16.5	14.2	14.2	14.2	16.5	18.9	18.9
127.5°	16.5	16.5	16.5	14.2	14.2	14.2	14.2	14.2	14.2	16.5	18.9
130°	14.2	14.2	14.2	14.2	11.8	11.8	11.8	11.8	14.2	16.5	16.5
132.5°	14.2	14.2	14.2	11.8	11.8	11.8	11.8	11.8	14.2	14.2	16.5
135°	11.8	14.2	11.8	11.8	11.8	9.4	9.4	9.4	11.8	14.2	14.2
137.5°	11.8	11.8	9.4	9.4	9.4	9.4	9.4	9.4	11.8	11.8	11.8
140°	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4	11.8	11.8
142.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	9.4	9.4	9.4
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	9.4	9.4
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
150°	2.4	2.4	2.4	2.4	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)