

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: P695704

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-750-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6278 lumens
Efficiency: N/A
Efficacy: 101.3 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: B1 - U3 - G2

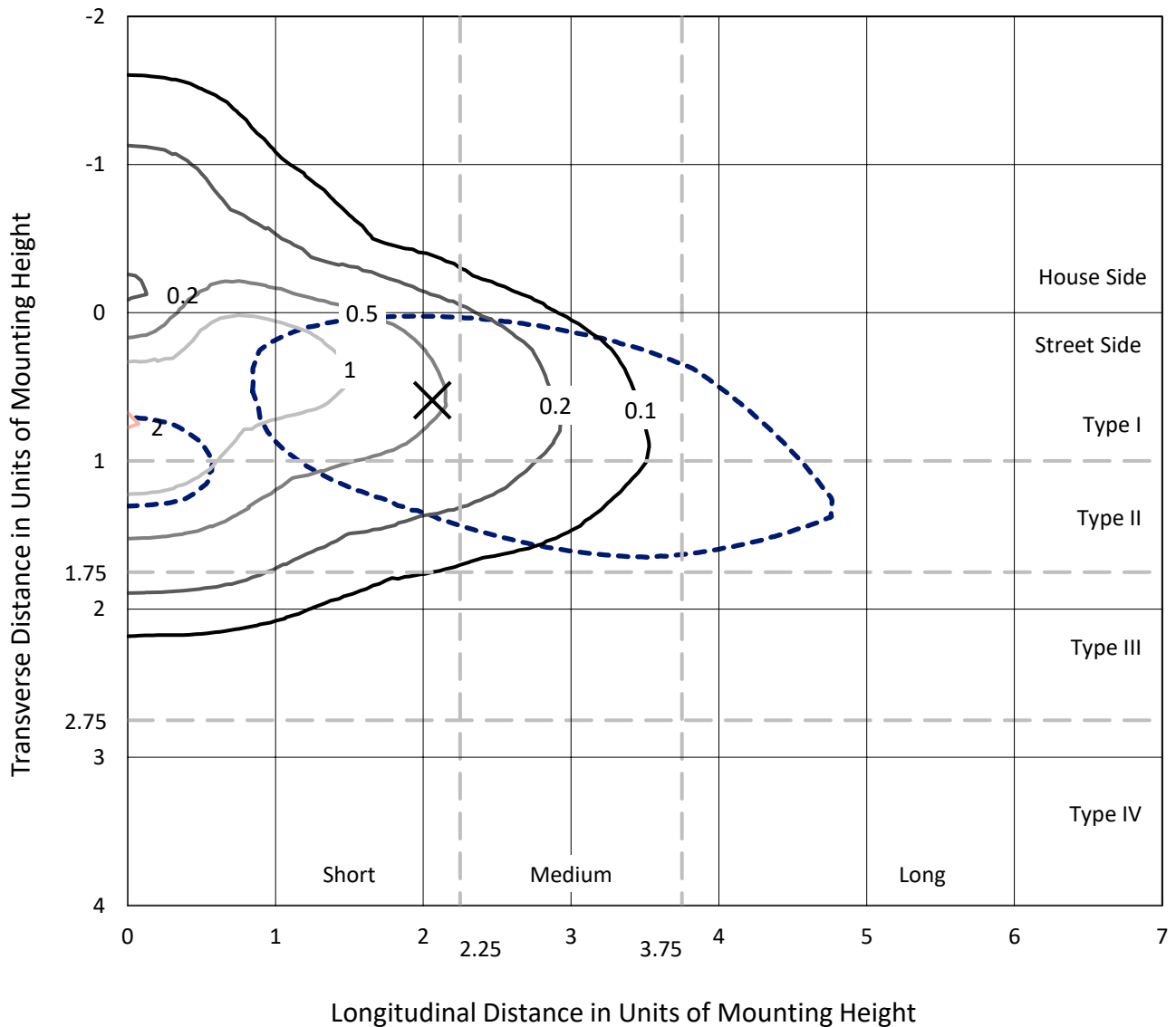
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

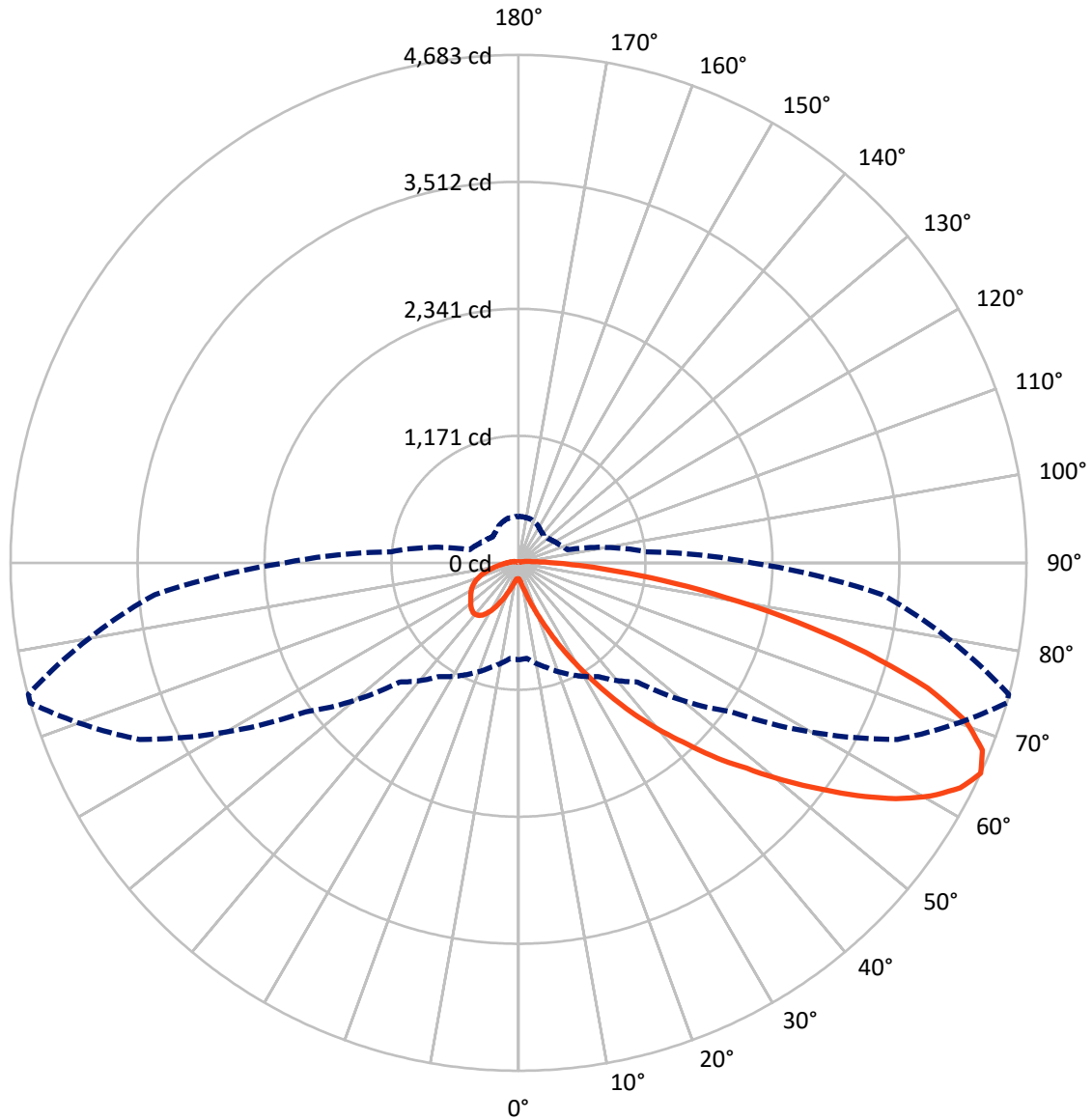
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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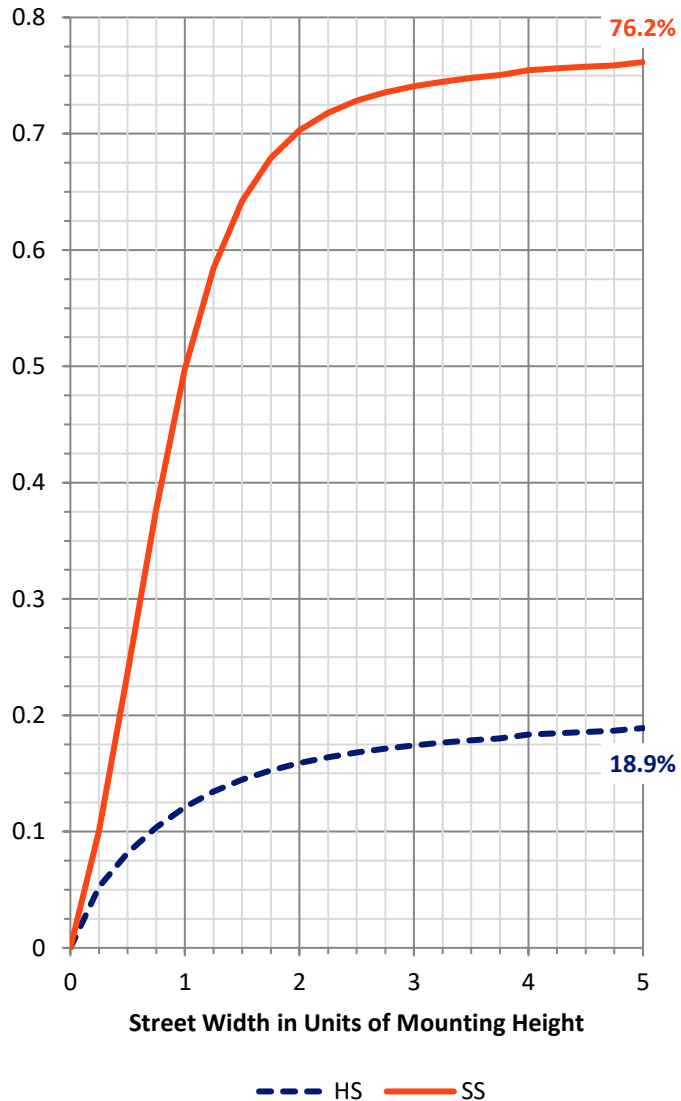
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1245.7	101.6	1347.2
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	4839.8	90.9	4930.7
	% Fixture	77.1	1.4	78.5
Total	Lumens	6085.4	192.5	6278.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.3
10°-20°	90.5	1.4
20°-30°	300.9	4.8
30°-40°	689.6	11.0
40°-50°	1103.7	17.6
50°-60°	1370.0	21.8
60°-70°	1329.5	21.2
70°-80°	867.2	13.8
80°-90°	317.1	5.1
90°-100°	94.6	1.5
100°-110°	43.8	0.7
110°-120°	24.3	0.4
120°-130°	15.2	0.2
130°-140°	9.5	0.2
140°-150°	4.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6085.4	96.9
0°-180°	6278.0	100.0

Coefficient of Utilization

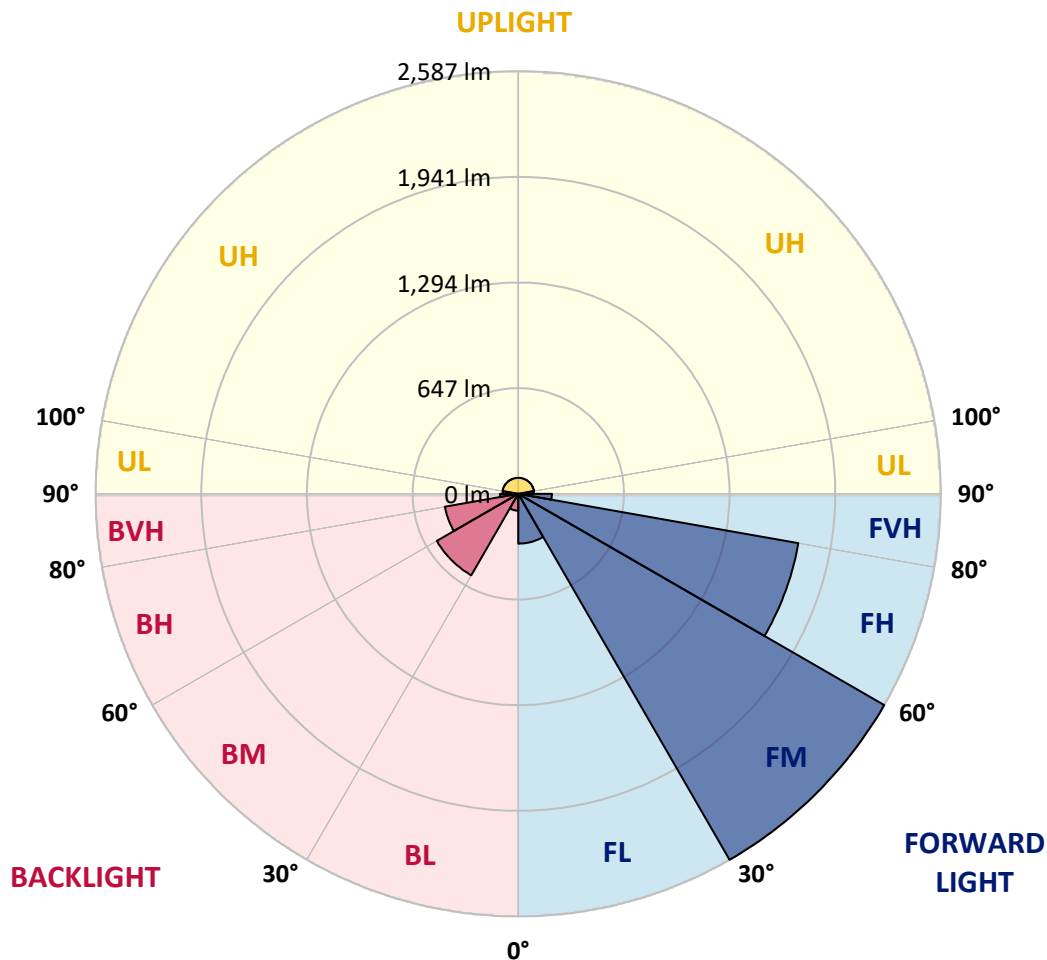


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.2	4.9			
FM (30°-60°)	2587.5	41.2			
FH (60°-80°)	1741.3	27.7			G1/1800
FVH (80°-90°)	205.9	3.3			G2/225
BL (0°-30°)	103.2	1.6	B0/110		
BM (30°-60°)	575.8	9.2	B1/1000		
BH (60°-80°)	455.4	7.3	B1/500		G1/500
BVH (80°-90°)	111.2	1.8			G2/225
UL (90°-100°)	94.6	1.5		U3/500	
UH (100°-180°)	97.9	1.6		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°	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
2.5°	169.9	172.2	172.2	169.9	167.6	167.6	162.9	158.3	155.9	155.9	153.6
5°	207.1	209.5	209.5	204.8	197.8	195.5	186.2	179.2	172.2	172.2	162.9
7.5°	260.7	263.0	258.3	253.7	244.4	235.1	223.4	209.5	195.5	193.2	181.5
10°	323.5	330.5	325.8	314.2	300.2	288.6	270.0	246.7	232.7	228.1	207.1
12.5°	421.3	416.6	405.0	393.3	377.0	353.8	328.2	300.2	272.3	274.6	246.7
15°	521.3	530.6	514.4	493.4	460.8	435.2	400.3	370.1	339.8	335.1	297.9
17.5°	668.0	665.6	647.0	605.1	556.2	530.6	493.4	456.2	421.3	409.6	360.7
20°	840.2	837.9	800.6	747.1	700.5	649.3	598.1	558.6	516.7	507.4	444.5
22.5°	1045.0	1035.7	996.1	919.3	840.2	777.3	723.8	693.6	637.7	628.4	542.3
25°	1282.4	1261.4	1217.2	1114.8	993.8	921.6	872.8	837.9	784.3	772.7	661.0
27.5°	1545.4	1531.4	1450.0	1315.0	1170.7	1059.0	1024.1	1000.8	956.6	942.6	793.6
30°	1792.1	1796.7	1708.3	1538.4	1354.5	1219.6	1193.9	1196.3	1138.1	1126.5	949.6
32.5°	2085.3	2066.7	1952.7	1757.2	1526.8	1387.1	1363.8	1396.4	1347.6	1338.2	1119.5
35°	2318.1	2332.0	2211.0	1969.0	1701.3	1540.7	1550.0	1603.6	1575.6	1561.7	1270.8
37.5°	2541.5	2529.9	2387.9	2148.2	1852.6	1685.0	1719.9	1838.6	1810.7	1794.4	1450.0
40°	2690.5	2676.5	2553.1	2294.8	1989.9	1817.7	1885.2	2062.1	2050.4	2043.4	1603.6
42.5°	2760.3	2741.7	2641.6	2397.2	2090.0	1922.4	2055.1	2290.1	2287.8	2280.8	1780.5
45°	2744.0	2732.4	2655.5	2457.7	2155.2	2020.2	2206.4	2527.5	2569.4	2536.9	1943.4
47.5°	2671.8	2660.2	2606.7	2457.7	2190.1	2080.7	2341.4	2776.6	2830.1	2799.8	2124.9
50°	2527.5	2522.9	2508.9	2399.5	2185.4	2129.6	2471.7	3002.3	3146.6	3116.4	2332.0
52.5°	2325.1	2322.7	2346.0	2294.8	2141.2	2136.5	2574.1	3263.0	3456.2	3423.6	2534.5
55°	2087.7	2087.7	2127.2	2131.9	2055.1	2110.9	2653.2	3472.5	3789.0	3742.4	2755.6
57.5°	1785.1	1794.4	1882.9	1941.0	1913.1	2036.5	2681.2	3672.6	4103.2	4072.9	2983.7
60°	1484.9	1489.5	1591.9	1689.7	1738.6	1931.7	2655.5	3809.9	4366.2	4354.5	3167.6
62.5°	1170.7	1175.3	1282.4	1424.4	1519.8	1759.5	2560.1	3872.8	4571.0	4564.0	3302.6
65°	893.7	884.4	998.4	1138.1	1280.1	1554.7	2394.9	3854.2	4682.7	4678.0	3367.7
67.5°	642.4	661.0	747.1	882.1	1026.4	1335.9	2166.8	3672.6	4612.9	4617.5	3297.9
70°	465.5	495.7	556.2	658.7	807.6	1098.5	1892.2	3370.1	4375.5	4403.4	3100.1
72.5°	358.4	360.7	409.6	491.1	609.8	870.4	1566.3	2958.1	3944.9	3954.2	2758.0
75°	279.3	286.3	318.9	377.0	467.8	674.9	1270.8	2448.4	3307.2	3360.7	2339.0
77.5°	228.1	230.4	256.0	290.9	358.4	509.7	949.6	1931.7	2629.9	2634.6	1824.7
80°	179.2	188.5	209.5	232.7	279.3	381.7	698.2	1415.1	1934.1	1903.8	1291.7
82.5°	137.3	144.3	160.6	186.2	211.8	286.3	500.4	998.4	1328.9	1305.7	884.4
85°	102.4	107.1	123.4	144.3	167.6	218.8	349.1	644.7	823.9	798.3	537.6
87.5°	72.1	74.5	88.4	107.1	128.0	165.2	242.0	395.7	495.7	486.4	332.8
90°	48.9	51.2	62.8	79.1	100.1	128.0	174.6	246.7	288.6	288.6	211.8
92.5°	34.9	37.2	46.5	60.5	79.1	102.4	128.0	160.6	176.9	174.6	144.3
95°	27.9	27.9	37.2	48.9	65.2	83.8	97.8	109.4	118.7	118.7	109.4
97.5°	23.3	23.3	32.6	41.9	55.9	69.8	79.1	81.5	86.1	86.1	81.5
100°	20.9	20.9	27.9	37.2	46.5	58.2	65.2	62.8	65.2	67.5	62.8
102.5°	18.6	18.6	25.6	32.6	41.9	51.2	53.5	51.2	51.2	51.2	48.9
105°	16.3	16.3	23.3	30.3	37.2	44.2	46.5	41.9	39.6	39.6	39.6
107.5°	14.0	14.0	20.9	25.6	32.6	39.6	39.6	37.2	32.6	32.6	30.3
110°	14.0	14.0	18.6	23.3	30.3	34.9	34.9	30.3	25.6	25.6	25.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	11.6	11.6	16.3	23.3	27.9	30.3	30.3	25.6	23.3	20.9	20.9
115°	11.6	11.6	16.3	20.9	25.6	27.9	27.9	23.3	18.6	18.6	18.6
117.5°	11.6	11.6	14.0	18.6	23.3	25.6	23.3	20.9	16.3	16.3	16.3
120°	11.6	11.6	14.0	16.3	20.9	23.3	23.3	18.6	14.0	14.0	16.3
122.5°	11.6	11.6	14.0	16.3	18.6	20.9	20.9	16.3	14.0	14.0	14.0
125°	11.6	11.6	14.0	16.3	18.6	20.9	18.6	16.3	11.6	11.6	14.0
127.5°	11.6	11.6	14.0	14.0	16.3	18.6	16.3	14.0	11.6	11.6	14.0
130°	11.6	11.6	14.0	14.0	16.3	16.3	16.3	11.6	11.6	11.6	11.6
132.5°	14.0	14.0	14.0	14.0	14.0	16.3	14.0	11.6	9.3	9.3	11.6
135°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.6	9.3	9.3	11.6
137.5°	11.6	14.0	11.6	11.6	11.6	14.0	11.6	9.3	9.3	9.3	9.3
140°	11.6	11.6	11.6	11.6	11.6	11.6	9.3	7.0	9.3	9.3	9.3
142.5°	11.6	11.6	11.6	9.3	9.3	9.3	9.3	7.0	7.0	7.0	9.3
145°	9.3	9.3	9.3	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0
147.5°	9.3	9.3	9.3	7.0	7.0	7.0	4.7	4.7	4.7	4.7	7.0
150°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	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°	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
2.5°	151.3	149.0	146.6	144.3	139.6	137.3	137.3	135.0	135.0	135.0	135.0
5°	158.3	155.9	149.0	142.0	135.0	130.3	125.7	125.7	123.4	121.0	121.0
7.5°	174.6	167.6	155.9	144.3	137.3	128.0	123.4	118.7	116.4	116.4	116.4
10°	197.8	188.5	169.9	153.6	142.0	130.3	123.4	118.7	116.4	114.0	114.0
12.5°	230.4	218.8	190.8	169.9	149.0	137.3	128.0	123.4	121.0	121.0	121.0
15°	277.0	258.3	223.4	188.5	165.2	144.3	139.6	139.6	142.0	142.0	142.0
17.5°	337.5	309.5	256.0	211.8	181.5	162.9	155.9	158.3	162.9	162.9	162.9
20°	402.6	370.1	297.9	242.0	202.5	186.2	176.9	181.5	188.5	193.2	193.2
22.5°	493.4	446.9	349.1	274.6	228.1	207.1	202.5	207.1	218.8	223.4	223.4
25°	598.1	528.3	402.6	309.5	256.0	232.7	228.1	235.1	249.0	260.7	260.7
27.5°	707.5	619.1	460.8	344.5	281.6	253.7	251.4	263.0	281.6	293.3	295.6
30°	833.2	712.2	514.4	379.4	307.2	274.6	274.6	293.3	314.2	330.5	332.8
32.5°	956.6	809.9	560.9	409.6	330.5	293.3	295.6	318.9	346.8	360.7	365.4
35°	1082.2	893.7	602.8	435.2	346.8	309.5	314.2	344.5	372.4	388.7	388.7
37.5°	1203.3	970.5	623.7	449.2	360.7	321.2	330.5	365.4	393.3	407.3	409.6
40°	1319.6	1028.7	637.7	458.5	370.1	332.8	342.1	379.4	409.6	423.6	423.6
42.5°	1422.0	1077.6	640.0	460.8	377.0	339.8	353.8	391.0	418.9	428.2	430.6
45°	1526.8	1119.5	628.4	456.2	381.7	346.8	358.4	398.0	423.6	430.6	432.9
47.5°	1622.2	1154.4	614.4	451.5	384.0	349.1	363.1	402.6	425.9	428.2	430.6
50°	1733.9	1182.3	593.5	444.5	386.3	351.4	365.4	402.6	425.9	425.9	425.9
52.5°	1841.0	1205.6	572.5	437.5	386.3	351.4	365.4	405.0	425.9	423.6	423.6
55°	1957.3	1226.5	551.6	432.9	384.0	351.4	365.4	405.0	423.6	421.3	423.6
57.5°	2048.1	1235.8	535.3	428.2	384.0	349.1	363.1	402.6	421.3	421.3	421.3
60°	2127.2	1233.5	514.4	423.6	381.7	346.8	363.1	400.3	421.3	421.3	421.3
62.5°	2173.8	1212.6	493.4	418.9	377.0	342.1	360.7	400.3	421.3	423.6	423.6
65°	2155.2	1175.3	465.5	407.3	367.7	337.5	358.4	395.7	418.9	425.9	428.2
67.5°	2076.0	1091.5	435.2	391.0	358.4	332.8	356.1	391.0	414.3	425.9	425.9
70°	1910.8	986.8	395.7	367.7	342.1	325.8	349.1	384.0	405.0	418.9	418.9
72.5°	1680.4	851.8	358.4	337.5	323.5	314.2	342.1	372.4	391.0	402.6	402.6
75°	1396.4	707.5	314.2	302.6	300.2	297.9	328.2	356.1	367.7	377.0	377.0
77.5°	1091.5	570.2	267.6	267.6	267.6	277.0	309.5	328.2	337.5	346.8	346.8
80°	798.3	435.2	225.8	228.1	235.1	253.7	281.6	295.6	300.2	309.5	304.9
82.5°	544.6	316.5	188.5	188.5	202.5	223.4	251.4	258.3	260.7	267.6	260.7
85°	358.4	228.1	155.9	155.9	169.9	190.8	211.8	216.4	216.4	221.1	214.1
87.5°	232.7	167.6	128.0	128.0	137.3	158.3	174.6	174.6	174.6	179.2	172.2
90°	165.2	128.0	107.1	104.7	111.7	128.0	139.6	137.3	137.3	139.6	135.0
92.5°	121.0	104.7	90.8	88.4	93.1	104.7	111.7	109.4	111.7	109.4	107.1
95°	95.4	86.1	79.1	76.8	79.1	86.1	90.8	88.4	88.4	86.1	83.8
97.5°	76.8	72.1	69.8	67.5	67.5	69.8	74.5	72.1	74.5	69.8	67.5
100°	62.8	60.5	60.5	60.5	58.2	60.5	62.8	62.8	62.8	58.2	58.2
102.5°	48.9	51.2	53.5	53.5	51.2	53.5	53.5	53.5	53.5	48.9	48.9
105°	39.6	41.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	41.9	41.9
107.5°	32.6	34.9	39.6	41.9	39.6	39.6	41.9	41.9	39.6	37.2	37.2
110°	27.9	30.3	32.6	34.9	34.9	34.9	37.2	37.2	34.9	32.6	30.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	25.6	30.3	30.3	32.6	32.6	32.6	32.6	30.3	27.9	27.9
115°	20.9	23.3	25.6	27.9	27.9	27.9	30.3	27.9	25.6	25.6	25.6
117.5°	18.6	20.9	23.3	25.6	25.6	25.6	25.6	25.6	23.3	23.3	23.3
120°	16.3	18.6	20.9	23.3	23.3	23.3	23.3	23.3	20.9	20.9	20.9
122.5°	16.3	16.3	18.6	20.9	20.9	20.9	20.9	20.9	18.6	18.6	18.6
125°	14.0	16.3	18.6	18.6	18.6	18.6	18.6	18.6	16.3	16.3	18.6
127.5°	14.0	14.0	16.3	16.3	18.6	18.6	16.3	16.3	16.3	16.3	16.3
130°	14.0	14.0	14.0	16.3	16.3	16.3	16.3	14.0	14.0	14.0	14.0
132.5°	11.6	14.0	14.0	14.0	14.0	14.0	14.0	11.6	11.6	14.0	14.0
135°	11.6	11.6	11.6	14.0	14.0	11.6	11.6	11.6	11.6	11.6	11.6
137.5°	11.6	11.6	11.6	11.6	11.6	11.6	9.3	9.3	9.3	11.6	11.6
140°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
142.5°	9.3	9.3	9.3	9.3	9.3	7.0	7.0	7.0	9.3	9.3	9.3
145°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	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

(END OF REPORT)