

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: P695671

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-740-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6297 lumens
Efficiency: N/A
Efficacy: 101.6 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

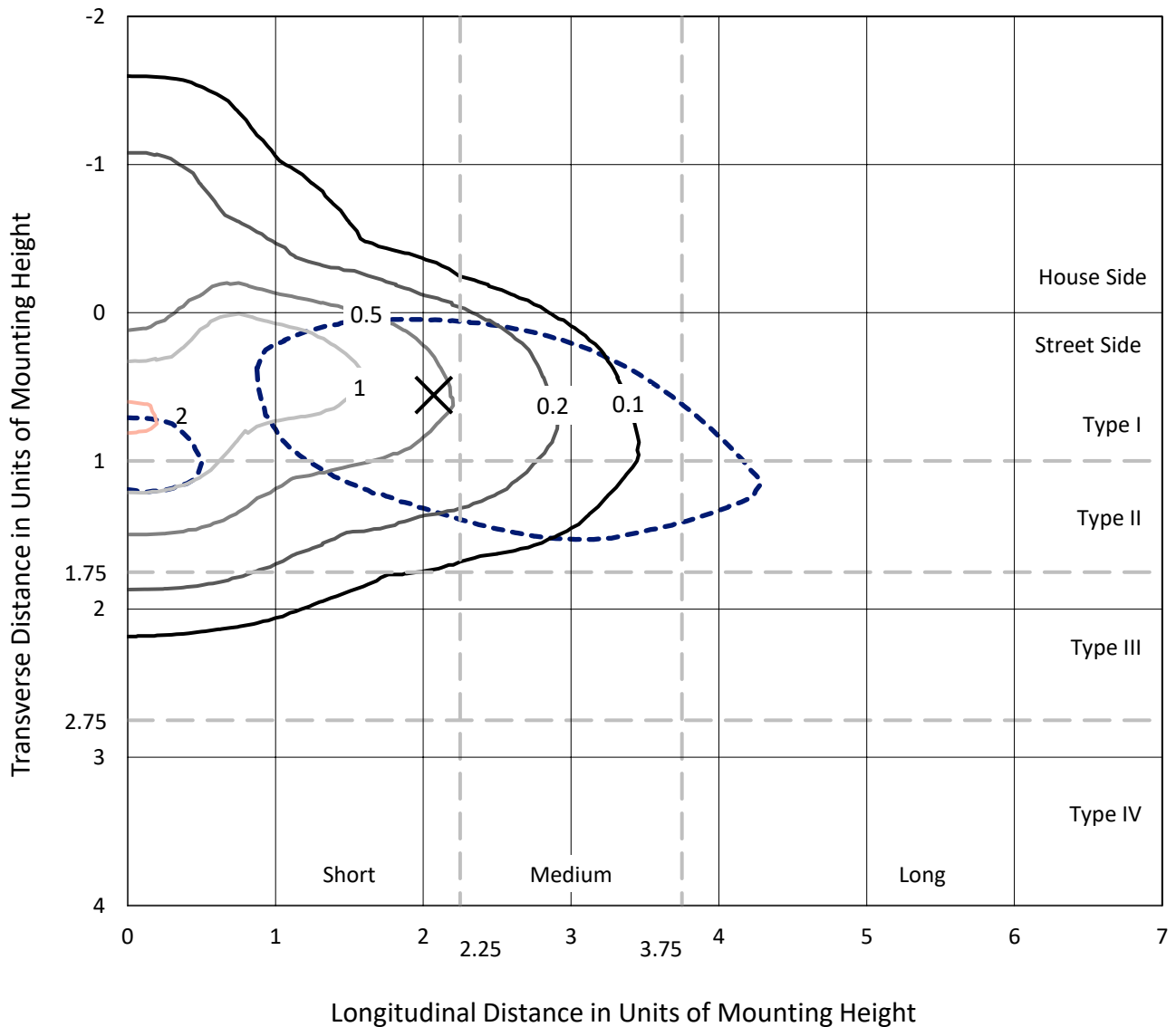
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

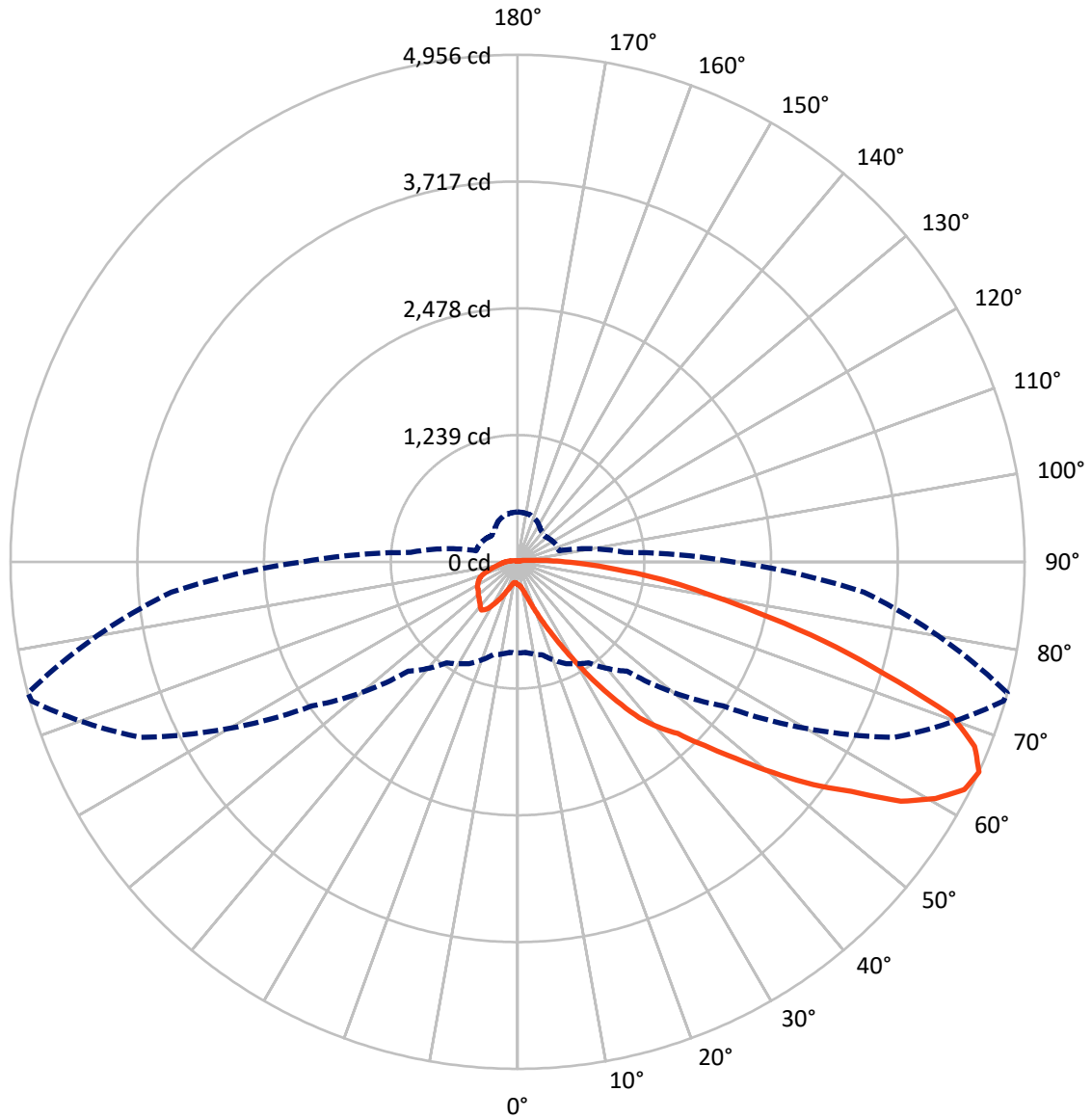
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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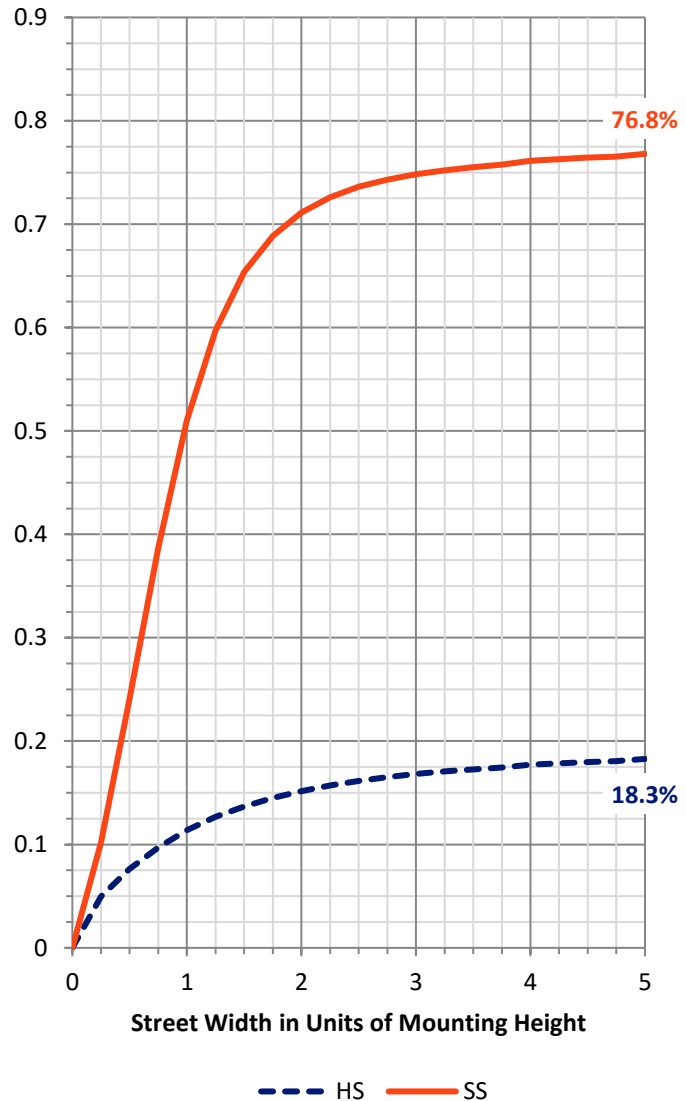
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1205.7	95.7	1301.4
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	4899.5	96.0	4995.6
	% Fixture	77.8	1.5	79.3
Total	Lumens	6105.2	191.8	6297.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.4
10°-20°	96.0	1.5
20°-30°	300.1	4.8
30°-40°	713.4	11.3
40°-50°	1104.5	17.5
50°-60°	1378.1	21.9
60°-70°	1348.5	21.4
70°-80°	820.1	13.0
80°-90°	322.1	5.1
90°-100°	100.5	1.6
100°-110°	40.2	0.6
110°-120°	22.2	0.4
120°-130°	14.6	0.2
130°-140°	9.7	0.2
140°-150°	4.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6105.2	97.0
0°-180°	6297.0	100.0

Coefficient of Utilization



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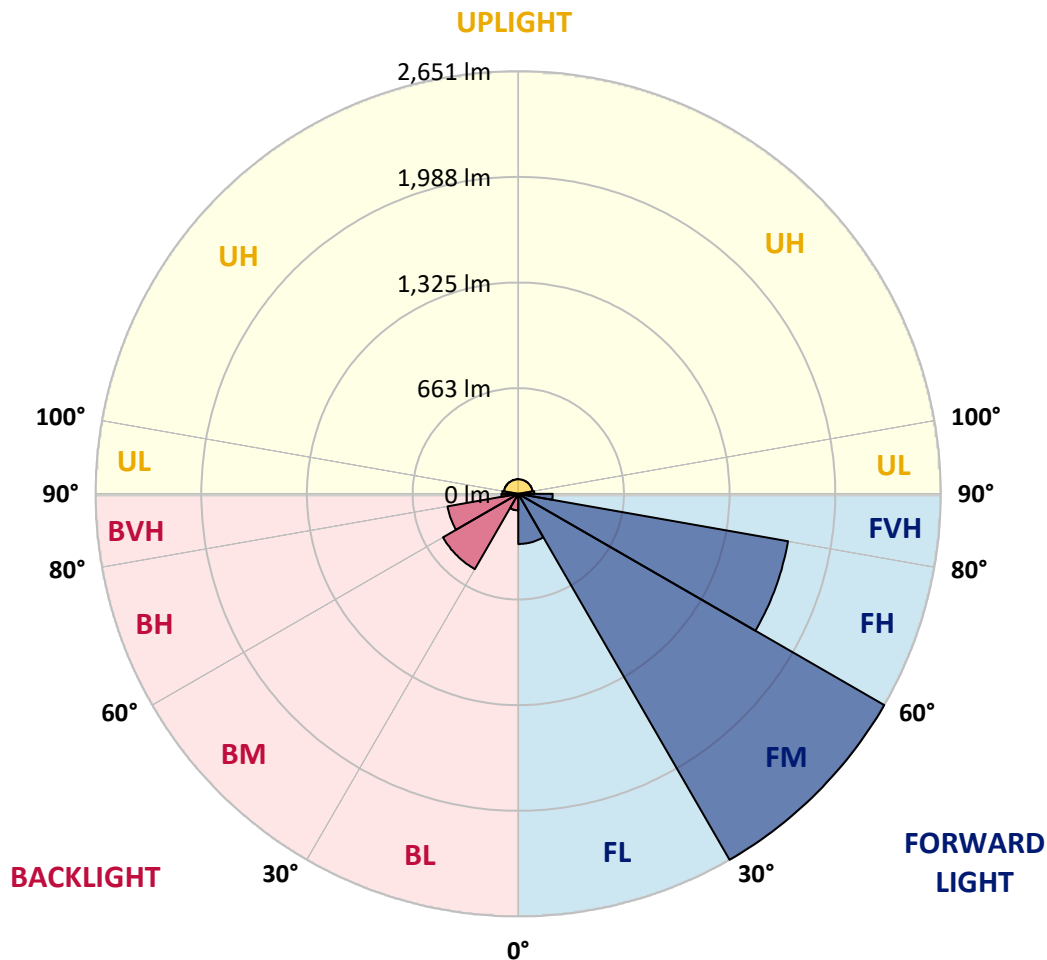
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.7	5.0			
FM (30°-60°)	2650.6	42.1			
FH (60°-80°)	1718.1	27.3			G1/1800
FVH (80°-90°)	216.1	3.4			G2/225
BL (0°-30°)	103.8	1.6	B0/110		
BM (30°-60°)	545.5	8.7	B1/1000		
BH (60°-80°)	450.5	7.2	B1/500		G1/500
BVH (80°-90°)	105.9	1.7			G2/225
UL (90°-100°)	100.5	1.6		U3/500	
UH (100°-180°)	91.3	1.5		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°	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1
2.5°	244.4	246.7	244.4	242.1	239.8	237.4	232.8	230.4	225.8	225.8	221.1
5°	284.0	284.0	284.0	277.0	272.3	267.7	256.1	246.7	237.4	235.1	228.1
7.5°	332.9	328.2	325.9	318.9	309.6	300.3	284.0	267.7	253.7	251.4	237.4
10°	391.1	388.7	386.4	377.1	360.8	344.5	321.2	300.3	277.0	274.7	251.4
12.5°	470.2	467.9	458.6	446.9	423.7	398.0	370.1	344.5	314.2	311.9	279.3
15°	556.3	558.7	551.7	528.4	505.1	470.2	437.6	407.4	374.8	365.5	323.6
17.5°	686.7	684.4	668.1	628.5	600.6	563.3	521.4	481.8	442.3	435.3	381.8
20°	828.7	833.3	810.1	754.2	710.0	665.7	630.8	572.6	533.1	528.4	453.9
22.5°	1010.3	1021.9	973.0	917.1	842.7	791.4	756.5	700.7	644.8	644.8	549.4
25°	1247.7	1252.3	1187.2	1096.4	1003.3	924.1	893.9	858.9	793.8	784.5	672.7
27.5°	1492.1	1506.1	1429.2	1310.5	1170.9	1075.4	1056.8	1038.2	959.0	956.7	800.8
30°	1871.5	1864.5	1734.2	1564.3	1361.7	1236.0	1224.4	1245.4	1170.9	1161.6	968.4
32.5°	2216.0	2204.4	2064.7	1841.3	1564.3	1415.3	1396.7	1466.5	1415.3	1413.0	1159.2
35°	2500.0	2483.7	2358.0	2106.6	1783.1	1580.6	1592.2	1708.6	1683.0	1671.3	1333.8
37.5°	2632.7	2660.6	2553.6	2309.1	1971.6	1750.5	1804.0	1976.3	1953.0	1936.7	1524.7
40°	2723.5	2760.7	2649.0	2418.6	2102.0	1901.8	1987.9	2197.4	2148.5	2127.6	1606.2
42.5°	2756.1	2786.3	2711.8	2481.4	2181.1	2015.8	2129.9	2360.4	2330.1	2295.2	1722.5
45°	2735.1	2772.4	2714.2	2509.3	2220.7	2085.7	2234.7	2567.5	2590.8	2562.9	1887.8
47.5°	2653.7	2695.6	2674.6	2509.3	2232.3	2120.6	2360.4	2830.6	2884.1	2870.1	2069.4
50°	2434.8	2481.4	2518.6	2460.5	2220.7	2132.2	2500.0	3091.3	3249.6	3240.3	2320.8
52.5°	2257.9	2295.2	2309.1	2306.8	2176.5	2148.5	2632.7	3431.1	3631.3	3617.4	2546.6
55°	2020.5	2043.8	2111.3	2095.0	2029.8	2125.3	2732.8	3680.2	3975.8	3959.5	2805.0
57.5°	1610.8	1650.4	1776.1	1908.8	1848.2	2048.4	2777.0	3906.0	4436.7	4415.8	3102.9
60°	1371.1	1382.7	1454.9	1580.6	1664.4	1894.8	2760.7	4138.8	4713.7	4695.1	3237.9
62.5°	1117.3	1124.3	1215.1	1322.2	1440.9	1724.9	2665.3	4152.7	4893.0	4902.3	3370.6
65°	891.5	889.2	942.7	1096.4	1205.8	1513.0	2458.1	4059.6	4939.5	4955.8	3396.2
67.5°	679.7	700.7	770.5	849.6	998.6	1268.6	2162.5	3815.2	4813.8	4818.5	3291.5
70°	467.9	477.2	542.4	668.1	779.8	1052.2	1836.6	3438.1	4497.2	4497.2	2993.5
72.5°	337.5	349.2	381.8	463.2	602.9	824.0	1517.7	2951.6	3789.6	3752.4	2507.0
75°	251.4	253.7	284.0	332.9	426.0	642.5	1180.2	2320.8	3077.3	3088.9	2060.1
77.5°	195.5	197.9	211.8	246.7	311.9	467.9	877.6	1790.1	2397.6	2402.3	1589.9
80°	162.9	165.3	172.3	190.9	232.8	335.2	644.8	1347.8	1852.9	1855.2	1238.4
82.5°	135.0	137.3	144.3	156.0	181.6	249.1	463.2	1031.2	1403.6	1422.3	928.8
85°	114.1	116.4	121.0	130.4	149.0	193.2	335.2	740.2	989.3	982.3	642.5
87.5°	93.1	93.1	100.1	107.1	121.0	156.0	246.7	507.5	670.4	663.4	446.9
90°	69.8	72.2	76.8	86.1	100.1	123.4	179.2	332.9	416.7	416.7	284.0
92.5°	51.2	51.2	58.2	67.5	79.1	100.1	130.4	211.8	249.1	251.4	183.9
95°	37.2	37.2	41.9	46.6	60.5	79.1	95.4	130.4	153.6	149.0	125.7
97.5°	30.3	30.3	32.6	37.2	46.6	62.8	74.5	93.1	102.4	102.4	93.1
100°	25.6	25.6	27.9	27.9	37.2	51.2	60.5	67.5	74.5	76.8	74.5
102.5°	20.9	23.3	23.3	23.3	30.3	44.2	48.9	53.5	58.2	58.2	58.2
105°	18.6	18.6	20.9	20.9	25.6	37.2	41.9	44.2	46.6	46.6	46.6
107.5°	16.3	16.3	18.6	18.6	23.3	32.6	34.9	34.9	37.2	37.2	37.2
110°	16.3	16.3	16.3	16.3	20.9	27.9	27.9	27.9	27.9	27.9	30.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	14.0	14.0	16.3	16.3	18.6	25.6	25.6	23.3	23.3	23.3	27.9
115°	14.0	14.0	14.0	16.3	18.6	20.9	20.9	20.9	20.9	20.9	23.3
117.5°	14.0	14.0	14.0	16.3	16.3	20.9	18.6	18.6	18.6	18.6	20.9
120°	14.0	14.0	14.0	14.0	16.3	18.6	18.6	16.3	16.3	16.3	18.6
122.5°	14.0	14.0	14.0	14.0	16.3	16.3	16.3	14.0	14.0	14.0	18.6
125°	14.0	14.0	16.3	16.3	16.3	16.3	16.3	14.0	14.0	14.0	16.3
127.5°	16.3	16.3	16.3	16.3	14.0	16.3	14.0	14.0	14.0	14.0	16.3
130°	18.6	18.6	18.6	16.3	14.0	14.0	14.0	14.0	14.0	14.0	16.3
132.5°	18.6	18.6	18.6	16.3	14.0	14.0	11.6	11.6	14.0	14.0	14.0
135°	18.6	18.6	16.3	14.0	14.0	11.6	11.6	11.6	11.6	11.6	14.0
137.5°	16.3	16.3	16.3	14.0	11.6	11.6	9.3	9.3	11.6	11.6	11.6
140°	14.0	14.0	14.0	11.6	9.3	9.3	7.0	7.0	9.3	9.3	9.3
142.5°	11.6	11.6	11.6	9.3	9.3	7.0	7.0	7.0	7.0	7.0	9.3
145°	9.3	9.3	9.3	7.0	7.0	7.0	4.7	4.7	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	7.0	7.0	7.0	4.7	4.7	4.7	2.3	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°	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1
2.5°	221.1	218.8	214.2	211.8	207.2	204.8	202.5	200.2	202.5	200.2	200.2
5°	223.5	218.8	209.5	200.2	193.2	188.5	183.9	179.2	179.2	176.9	174.6
7.5°	228.1	221.1	204.8	193.2	179.2	169.9	162.9	158.3	156.0	153.6	153.6
10°	239.8	228.1	207.2	186.2	169.9	156.0	146.6	142.0	137.3	137.3	137.3
12.5°	263.0	249.1	216.5	186.2	162.9	146.6	135.0	130.4	130.4	130.4	130.4
15°	302.6	279.3	237.4	197.9	165.3	142.0	135.0	137.3	142.0	146.6	144.3
17.5°	351.5	323.6	265.4	214.2	174.6	153.6	149.0	156.0	162.9	167.6	169.9
20°	412.0	370.1	295.6	230.4	190.9	176.9	172.3	179.2	188.5	195.5	195.5
22.5°	491.2	435.3	335.2	253.7	214.2	200.2	195.5	202.5	214.2	221.1	221.1
25°	591.3	514.4	384.1	284.0	239.8	218.8	218.8	228.1	244.4	253.7	256.1
27.5°	703.0	598.2	428.3	321.2	267.7	239.8	242.1	260.7	279.3	293.3	293.3
30°	824.0	698.3	479.5	353.8	288.6	260.7	263.0	286.3	311.9	330.5	328.2
32.5°	968.4	803.1	533.1	386.4	309.6	277.0	284.0	318.9	349.2	372.4	370.1
35°	1115.0	893.9	568.0	416.7	328.2	291.0	302.6	346.8	381.8	402.7	402.7
37.5°	1229.1	968.4	588.9	433.0	344.5	302.6	316.6	365.5	402.7	421.3	419.0
40°	1268.6	968.4	572.6	435.3	351.5	311.9	328.2	374.8	407.4	419.0	412.0
42.5°	1329.2	987.0	549.4	421.3	353.8	318.9	332.9	374.8	395.7	398.0	393.4
45°	1415.3	1017.2	533.1	412.0	349.2	321.2	332.9	367.8	393.4	400.4	395.7
47.5°	1524.7	1047.5	514.4	407.4	349.2	321.2	332.9	374.8	400.4	400.4	395.7
50°	1664.4	1096.4	505.1	409.7	356.1	323.6	339.9	384.1	407.4	402.7	400.4
52.5°	1771.4	1108.0	488.8	416.7	363.1	328.2	346.8	393.4	414.3	405.0	402.7
55°	1911.1	1136.0	470.2	416.7	374.8	339.9	356.1	402.7	419.0	407.4	405.0
57.5°	2055.4	1166.2	467.9	414.3	379.4	349.2	365.5	409.7	423.7	414.3	412.0
60°	2095.0	1131.3	453.9	421.3	381.8	358.5	372.4	416.7	437.6	433.0	433.0
62.5°	2127.6	1103.4	437.6	419.0	388.7	358.5	379.4	428.3	460.9	460.9	460.9
65°	2104.3	1049.8	419.0	409.7	386.4	360.8	388.7	442.3	474.9	484.2	486.5
67.5°	2006.5	975.3	400.4	395.7	374.8	360.8	391.1	442.3	481.8	495.8	495.8
70°	1797.0	852.0	367.8	367.8	358.5	346.8	384.1	435.3	467.9	484.2	484.2
72.5°	1506.1	705.3	318.9	330.5	328.2	325.9	365.5	412.0	433.0	446.9	444.6
75°	1198.8	568.0	277.0	281.7	286.3	293.3	335.2	372.4	379.4	391.1	388.7
77.5°	940.4	453.9	235.1	239.8	244.4	260.7	300.3	323.6	328.2	335.2	332.9
80°	735.6	372.4	202.5	202.5	209.5	225.8	258.4	279.3	288.6	293.3	286.3
82.5°	572.6	304.9	179.2	172.3	179.2	193.2	218.8	237.4	244.4	244.4	242.1
85°	407.4	244.4	158.3	149.0	151.3	165.3	188.5	200.2	204.8	202.5	197.9
87.5°	298.0	200.2	139.7	125.7	128.0	146.6	162.9	169.9	172.3	174.6	169.9
90°	209.5	160.6	121.0	104.7	104.7	123.4	139.7	142.0	144.3	144.3	142.0
92.5°	149.0	125.7	100.1	86.1	86.1	102.4	114.1	111.7	114.1	111.7	107.1
95°	109.4	97.8	83.8	69.8	67.5	79.1	83.8	81.5	83.8	81.5	81.5
97.5°	86.1	79.1	69.8	58.2	53.5	60.5	62.8	62.8	67.5	62.8	62.8
100°	69.8	65.2	60.5	48.9	44.2	48.9	51.2	53.5	55.9	53.5	53.5
102.5°	58.2	55.9	51.2	44.2	39.6	41.9	44.2	46.6	48.9	48.9	46.6
105°	46.6	46.6	44.2	37.2	34.9	34.9	37.2	39.6	44.2	44.2	44.2
107.5°	37.2	39.6	37.2	32.6	30.3	30.3	32.6	34.9	37.2	39.6	39.6
110°	32.6	32.6	32.6	27.9	27.9	27.9	27.9	30.3	34.9	37.2	37.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.9	27.9	27.9	25.6	25.6	25.6	25.6	25.6	30.3	32.6	34.9
115°	25.6	25.6	25.6	23.3	23.3	23.3	23.3	23.3	27.9	30.3	30.3
117.5°	23.3	23.3	23.3	20.9	20.9	20.9	20.9	20.9	23.3	27.9	27.9
120°	20.9	20.9	20.9	18.6	18.6	18.6	18.6	18.6	20.9	25.6	25.6
122.5°	18.6	18.6	18.6	18.6	16.3	16.3	16.3	16.3	18.6	23.3	23.3
125°	16.3	18.6	16.3	16.3	16.3	16.3	14.0	16.3	18.6	20.9	20.9
127.5°	16.3	16.3	16.3	16.3	14.0	14.0	14.0	14.0	16.3	18.6	18.6
130°	16.3	16.3	16.3	14.0	14.0	11.6	11.6	14.0	14.0	16.3	16.3
132.5°	14.0	14.0	14.0	14.0	11.6	11.6	11.6	11.6	14.0	14.0	14.0
135°	14.0	14.0	11.6	11.6	11.6	9.3	9.3	9.3	11.6	14.0	14.0
137.5°	11.6	11.6	11.6	11.6	9.3	9.3	9.3	9.3	11.6	11.6	11.6
140°	9.3	9.3	9.3	9.3	9.3	7.0	7.0	7.0	9.3	9.3	9.3
142.5°	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
145°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	7.0	7.0	7.0	7.0
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	2.3	2.3	2.3	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

(END OF REPORT)