

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: P266124

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T2U-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5522.8 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 64
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: 28.75 FT

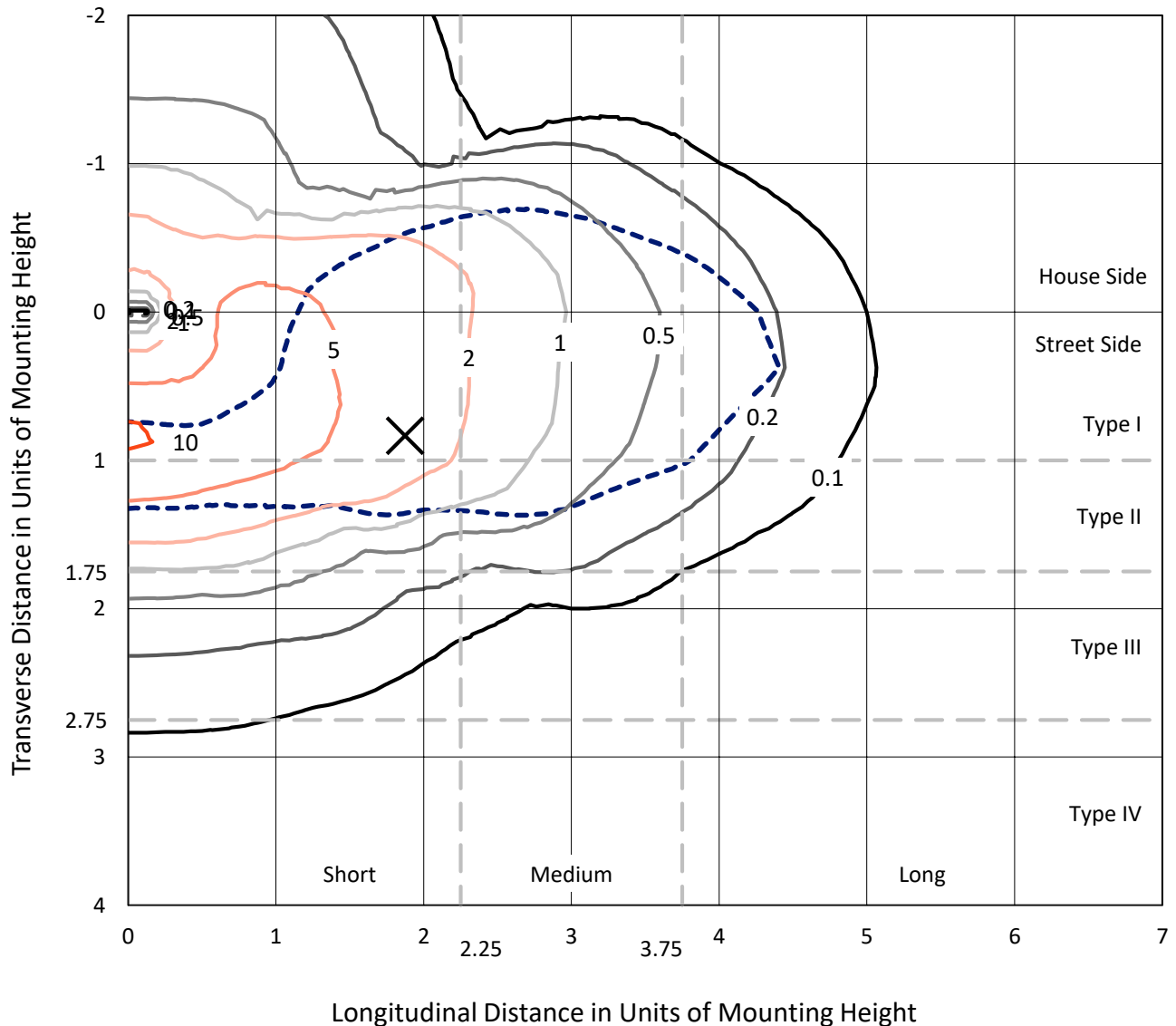


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

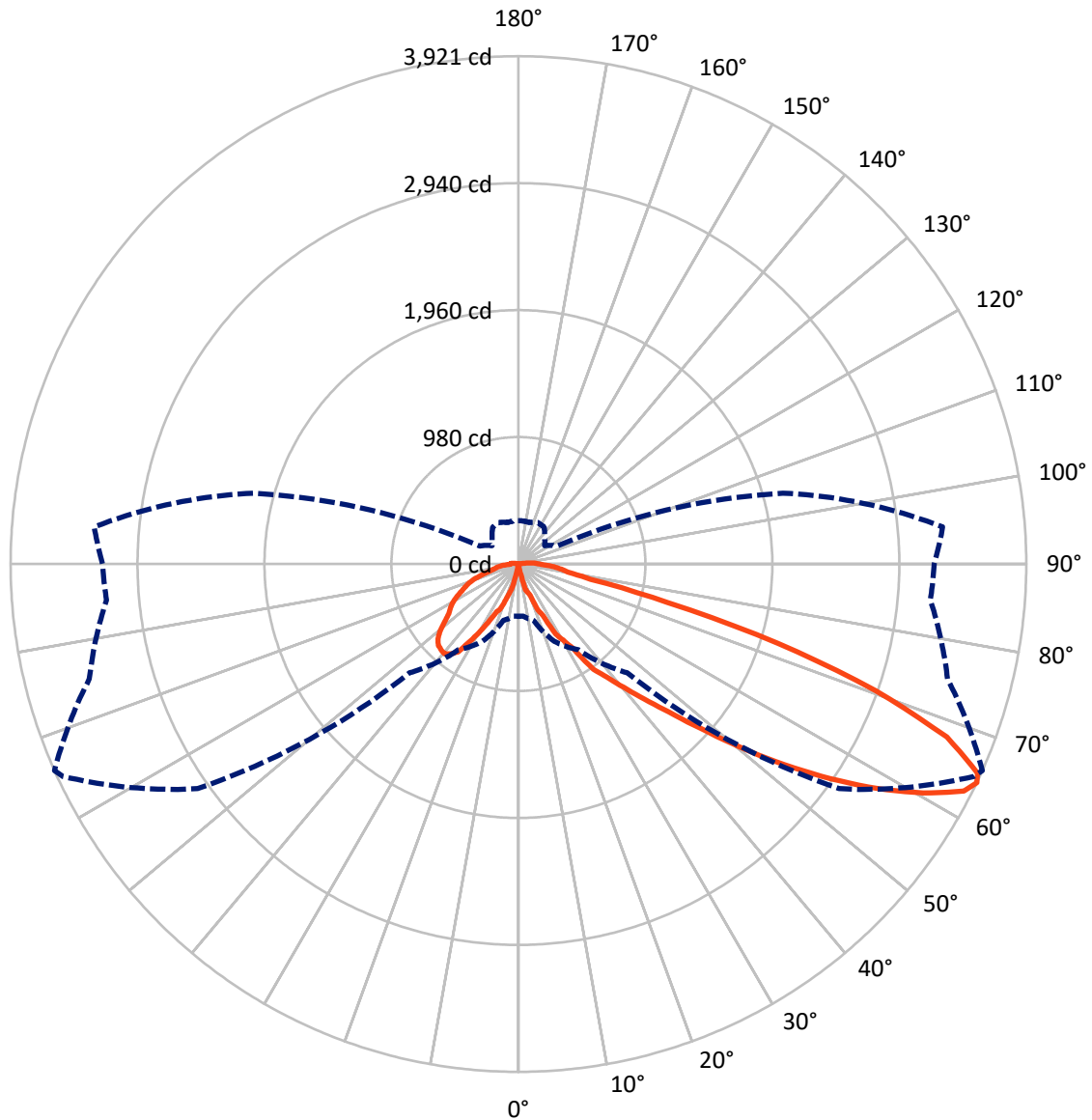


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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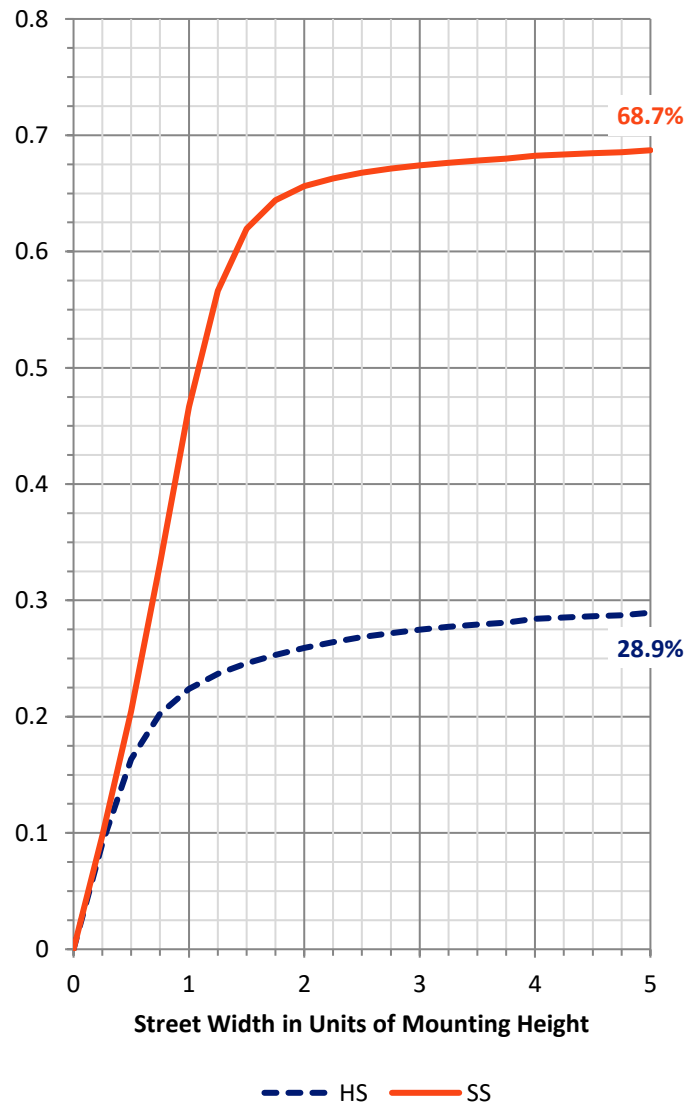
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1634.3	33.8	1668.2
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	3823.9	30.7	3854.6
	% Fixture	69.2	0.6	69.8
Total	Lumens	5458.3	64.5	5522.8
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	53.6	1.0
20°-30°	215.8	3.9
30°-40°	546.4	9.9
40°-50°	1041.7	18.9
50°-60°	1397.4	25.3
60°-70°	1293.9	23.4
70°-80°	727.7	13.2
80°-90°	178.1	3.2
90°-100°	54.3	1.0
100°-110°	6.4	0.1
110°-120°	1.7	0.0
120°-130°	1.1	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5458.3	98.8
0°-180°	5522.8	100.0



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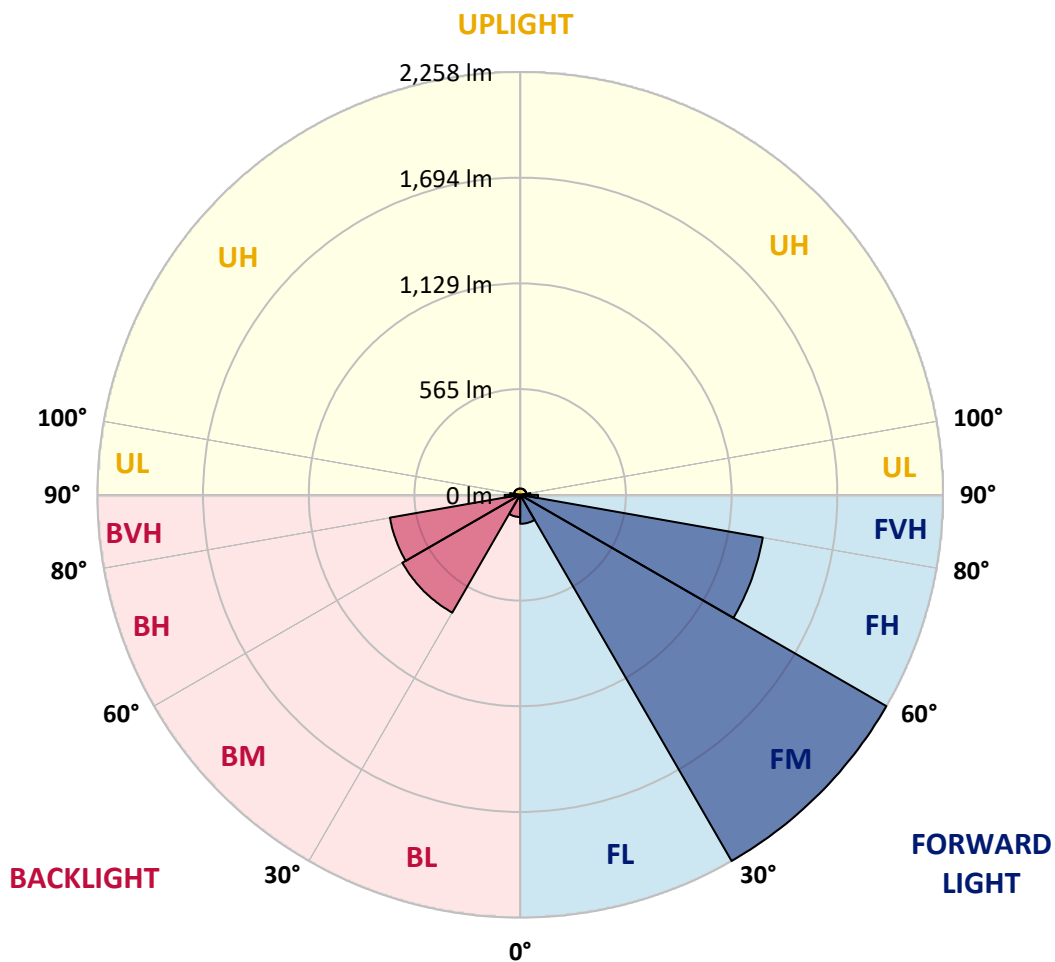
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	2.8			
FM (30°-60°)	2258.4	40.9			
FH (60°-80°)	1315.6	23.8			G1/1800
FVH (80°-90°)	95.3	1.7			G1/100
BL (0°-30°)	118.4	2.1	B1/500		
BM (30°-60°)	727.1	13.2	B1/1000		
BH (60°-80°)	706.1	12.8	B2/1000		G2/1000
BVH (80°-90°)	82.8	1.5			G1/100
UL (90°-100°)	54.3	1.0		U3/500	
UH (100°-180°)	33.8	0.6		U2/50	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	6.5	6.5	6.5	7.1	6.5	5.8	5.2	4.0	3.2	1.9	1.9
5°	85.1	85.1	84.4	81.8	25.3	12.9	8.4	5.2	5.2	3.2	1.9
7.5°	95.4	94.9	94.9	92.2	91.5	84.4	42.8	8.4	7.7	4.5	2.5
10°	105.8	103.2	102.0	100.0	100.6	94.9	88.4	41.5	24.1	9.2	7.1
12.5°	196.1	194.8	189.0	159.1	110.4	101.2	99.4	83.2	80.5	69.4	81.1
15°	216.9	213.0	209.0	208.4	197.4	123.3	156.5	204.5	206.5	159.1	172.0
17.5°	253.2	246.8	233.7	223.9	218.2	253.2	233.1	226.0	227.9	194.8	194.2
20°	383.8	383.0	376.6	332.5	249.3	313.0	301.3	258.4	257.2	352.0	343.5
22.5°	452.6	441.5	433.2	418.8	428.5	342.9	366.1	376.6	385.1	403.9	386.4
25°	680.5	624.6	596.7	485.1	510.3	433.7	482.4	441.5	437.7	451.3	486.3
27.5°	784.9	788.3	766.2	726.5	589.6	608.4	538.3	618.8	613.6	624.6	599.3
30°	1045.4	1027.9	907.7	868.8	762.3	693.4	742.2	696.0	681.2	668.1	662.3
32.5°	1288.9	1288.2	1255.8	1094.8	959.7	811.7	844.0	773.4	777.9	862.4	883.0
35°	1667.4	1642.8	1448.0	1350.0	1146.6	1036.4	948.0	1005.8	997.9	986.2	994.8
37.5°	2105.1	2073.8	1908.3	1601.9	1390.1	1188.8	1177.9	1136.3	1107.7	1120.7	1129.2
40°	2361.6	2335.6	2190.7	1930.4	1622.6	1455.2	1347.3	1285.7	1250.6	1301.9	1299.8
42.5°	2544.0	2521.3	2438.2	2169.3	1951.2	1772.6	1548.6	1460.4	1424.0	1502.5	1472.1
45°	2636.9	2597.2	2587.5	2384.9	2238.1	2158.3	1827.2	1674.6	1629.2	1712.9	1676.5
47.5°	2589.5	2545.9	2583.6	2455.1	2496.6	2493.3	2173.2	1923.9	1894.0	1964.1	1909.6
50°	2369.3	2343.9	2425.2	2442.8	2629.1	2764.8	2558.4	2188.2	2225.8	2192.0	2155.0
52.5°	2007.1	1996.7	2126.5	2272.6	2608.9	2942.7	2912.8	2490.8	2575.3	2424.5	2375.2
55°	1622.0	1624.0	1765.4	1938.3	2399.3	2968.0	3221.2	2851.8	2923.9	2659.0	2590.2
57.5°	1184.3	1236.2	1397.9	1544.7	2000.5	2801.8	3412.1	3212.8	3272.5	2901.2	2786.3
60°	768.1	786.9	981.8	1214.9	1475.2	2298.0	3486.1	3543.3	3589.4	3152.4	2973.2
62.5°	507.2	509.1	589.6	858.4	1020.0	1603.8	3305.7	3816.0	3860.1	3345.8	3132.3
64°	403.9	403.2	450.6	659.0	809.7	1186.9	3023.2	3879.1	3920.6	3429.6	3191.9
65°	356.4	355.8	390.3	529.8	692.1	948.6	2741.4	3856.2	3896.5	3467.3	3208.2
67.5°	302.5	303.8	317.6	364.3	501.3	570.8	1677.1	3533.6	3566.7	3438.2	3151.8
70°	279.3	280.5	296.7	305.9	395.4	424.0	729.2	2886.2	2924.5	3305.0	3021.9
72.5°	246.0	248.0	269.4	292.8	313.6	352.0	464.2	1986.2	2095.9	2866.0	2847.3
75°	205.8	207.8	227.9	258.4	273.4	287.0	401.9	1053.8	1190.2	2157.0	2537.5
77.5°	168.2	169.5	186.4	207.1	248.7	222.7	352.0	539.0	571.4	1364.9	1876.5
80°	124.1	125.4	143.5	166.2	192.9	194.2	290.2	388.2	390.3	746.8	1012.8
82.5°	85.1	85.7	103.8	116.9	136.4	179.9	232.4	320.2	336.3	443.5	465.5
85°	58.4	59.1	70.1	74.6	85.7	99.4	168.2	251.3	276.0	318.2	279.3
87.5°	27.8	29.3	30.5	32.5	33.7	35.0	72.0	185.1	194.8	212.3	220.8
90°	23.4	23.4	18.1	17.5	20.1	20.8	33.1	157.8	154.6	203.2	219.5
92.5°	23.4	23.4	16.9	16.2	18.1	17.5	24.1	129.8	125.9	200.1	216.9
95°	20.1	20.8	13.7	12.9	15.6	14.4	18.9	75.9	80.5	140.9	160.3
97.5°	16.9	16.9	10.4	10.4	11.0	10.4	12.3	27.8	31.3	59.7	70.7
100°	12.3	12.9	6.5	7.1	7.1	6.5	6.5	11.7	12.9	16.2	15.6
102.5°	10.4	11.7	4.5	5.2	4.0	4.0	3.2	5.2	5.2	8.4	12.3
105°	7.7	9.2	3.2	3.2	2.5	2.5	1.3	4.0	4.0	7.1	12.9
107.5°	4.5	5.2	1.9	1.9	1.9	2.5	1.3	2.5	3.2	5.8	11.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.9	1.9	0.7	1.3	0.7	1.9	1.3	2.5	3.2	2.5	5.8
112.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	1.9	1.3	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	1.3	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	3.2
120°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	3.2
122.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	2.5
125°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.5
127.5°	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9
130°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
135°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
137.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.7
147.5°	3.2	3.2	2.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.7
150°	2.5	2.5	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7
152.5°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	1.9	2.5	2.5	3.2	3.2	4.0	4.0	4.0	4.0	3.2	3.2
5°	1.9	2.5	2.5	3.2	4.0	5.2	5.8	7.1	7.1	7.7	7.7
7.5°	2.5	2.5	3.2	4.0	5.8	9.7	29.3	92.9	96.1	104.6	105.2
10°	6.5	7.1	7.1	7.7	18.9	95.4	107.2	111.7	117.5	118.1	117.5
12.5°	85.7	82.5	79.2	24.7	94.1	115.0	118.1	124.7	127.9	137.7	137.7
15°	173.4	173.4	167.5	184.4	166.8	127.9	137.7	216.2	223.9	229.8	226.6
17.5°	196.8	196.8	192.9	233.7	251.3	202.6	221.4	238.3	243.5	244.8	244.1
20°	353.9	350.0	315.6	287.0	262.3	321.5	271.4	245.4	292.2	338.3	340.8
22.5°	385.1	379.9	371.4	376.6	344.8	331.1	311.1	326.7	337.0	338.9	339.6
25°	485.7	482.4	419.5	401.3	433.2	369.5	374.1	320.2	325.9	333.1	332.5
27.5°	602.0	591.5	559.7	480.6	453.3	435.7	353.3	338.3	374.1	375.9	374.7
30°	668.1	639.0	580.5	593.5	489.5	416.9	350.6	354.6	338.9	339.6	340.8
32.5°	890.8	855.7	780.4	690.2	522.8	392.2	339.6	318.2	343.5	348.1	350.0
35°	973.9	942.9	877.9	816.7	532.4	374.1	301.9	311.6	312.3	313.6	314.9
37.5°	1089.6	1046.0	992.2	855.7	529.2	329.1	294.1	295.5	316.3	320.2	322.0
40°	1231.8	1176.6	1116.1	873.3	477.2	312.3	287.6	297.3	304.5	302.5	303.8
42.5°	1399.9	1325.2	1240.7	852.5	404.5	304.5	287.6	294.1	295.5	289.7	289.7
45°	1593.5	1510.3	1346.6	829.1	348.7	307.1	294.1	290.2	283.8	275.3	273.4
47.5°	1805.1	1708.3	1444.0	783.7	309.7	305.2	298.1	283.8	276.6	269.4	269.4
50°	2031.6	1929.7	1527.2	713.7	291.5	301.9	296.1	287.6	279.8	266.8	266.2
52.5°	2248.5	2165.5	1630.5	618.2	274.1	304.5	311.1	292.2	281.2	263.7	263.7
55°	2458.3	2410.2	1723.3	542.8	266.8	296.7	319.4	303.2	279.8	266.2	266.8
57.5°	2667.3	2661.5	1829.8	492.2	258.4	292.2	330.4	311.6	292.2	278.6	278.6
60°	2904.9	2931.7	1966.7	435.7	257.2	287.0	335.1	325.9	303.2	300.7	301.3
62.5°	3109.6	3179.0	2071.3	370.1	248.7	283.1	342.9	339.6	316.8	314.2	318.2
64°	3210.3	3287.4	2112.3	329.1	246.8	285.8	346.0	353.3	331.8	334.3	334.3
65°	3246.6	3322.6	2124.0	301.9	244.8	287.0	346.7	357.7	335.1	334.3	334.3
67.5°	3247.8	3306.3	2083.0	259.2	236.3	286.3	350.0	370.1	348.1	362.9	357.2
70°	3171.2	3095.3	1924.6	229.2	235.0	287.0	347.4	363.6	344.1	377.8	374.7
72.5°	2960.3	2687.5	1529.2	201.8	237.6	283.1	333.7	346.7	332.5	381.8	378.5
75°	2501.2	2094.7	941.6	189.0	234.4	269.4	317.6	315.6	308.4	339.6	337.7
77.5°	1718.7	1378.4	450.6	184.4	229.8	250.6	281.8	278.6	270.7	283.8	279.8
80°	889.5	728.5	272.0	168.8	213.6	217.5	229.8	232.4	223.9	227.2	222.2
82.5°	420.8	384.4	228.6	153.9	183.2	161.1	178.6	186.9	172.0	172.7	154.6
85°	262.9	268.1	188.4	119.5	123.3	98.1	124.1	133.0	114.3	97.3	92.9
87.5°	218.2	227.9	139.0	66.8	57.1	49.9	70.1	73.4	52.6	44.1	41.0
90°	225.4	232.4	137.0	53.2	45.5	37.6	51.4	45.5	32.5	28.6	26.1
92.5°	223.4	226.6	135.7	51.4	42.8	34.5	43.5	35.0	25.3	22.1	20.1
95°	168.2	180.5	109.8	49.9	37.6	27.8	32.5	27.3	17.5	15.6	14.4
97.5°	69.4	81.8	64.9	47.4	29.3	20.8	21.4	18.9	10.4	9.2	8.4
100°	13.7	21.4	34.5	34.5	14.4	11.0	11.0	10.4	5.2	4.5	4.0
102.5°	13.7	12.9	15.6	18.9	6.5	3.2	4.0	5.2	3.2	4.5	4.5
105°	14.4	13.7	8.4	5.2	4.0	1.9	1.3	1.3	2.5	5.2	5.8
107.5°	12.9	12.9	5.8	4.0	3.2	2.5	0.7	0.7	1.9	5.8	6.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.5	7.1	4.5	3.2	3.2	2.5	0.7	0.0	1.9	6.5	7.1
112.5°	4.0	4.0	4.0	2.5	1.9	1.9	0.7	0.0	1.9	7.1	7.7
115°	4.0	4.0	3.2	2.5	1.9	1.3	0.0	0.0	1.9	7.7	8.4
117.5°	4.0	4.0	3.2	1.9	1.3	0.7	0.0	0.0	1.9	7.7	8.4
120°	4.0	4.0	3.2	1.9	1.3	0.7	0.0	0.0	1.9	7.1	7.7
122.5°	4.0	4.0	3.2	1.9	1.3	0.7	0.0	0.0	1.9	5.8	6.5
125°	3.2	3.2	2.5	1.9	1.3	0.7	0.0	0.0	1.3	5.2	5.2
127.5°	2.5	3.2	2.5	1.9	1.3	0.7	0.0	0.0	1.3	4.0	4.5
130°	2.5	2.5	1.9	1.9	1.3	0.7	0.0	0.0	0.7	3.2	4.0
132.5°	1.9	1.9	1.3	1.3	1.3	0.7	0.0	0.0	0.0	1.3	1.9
135°	0.7	1.3	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.7
137.5°	0.7	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
140°	0.7	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
145°	0.7	1.3	1.3	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.7	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)