

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: P254748

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254748
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-AF24-80-D-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA 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: 7970.8 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G3

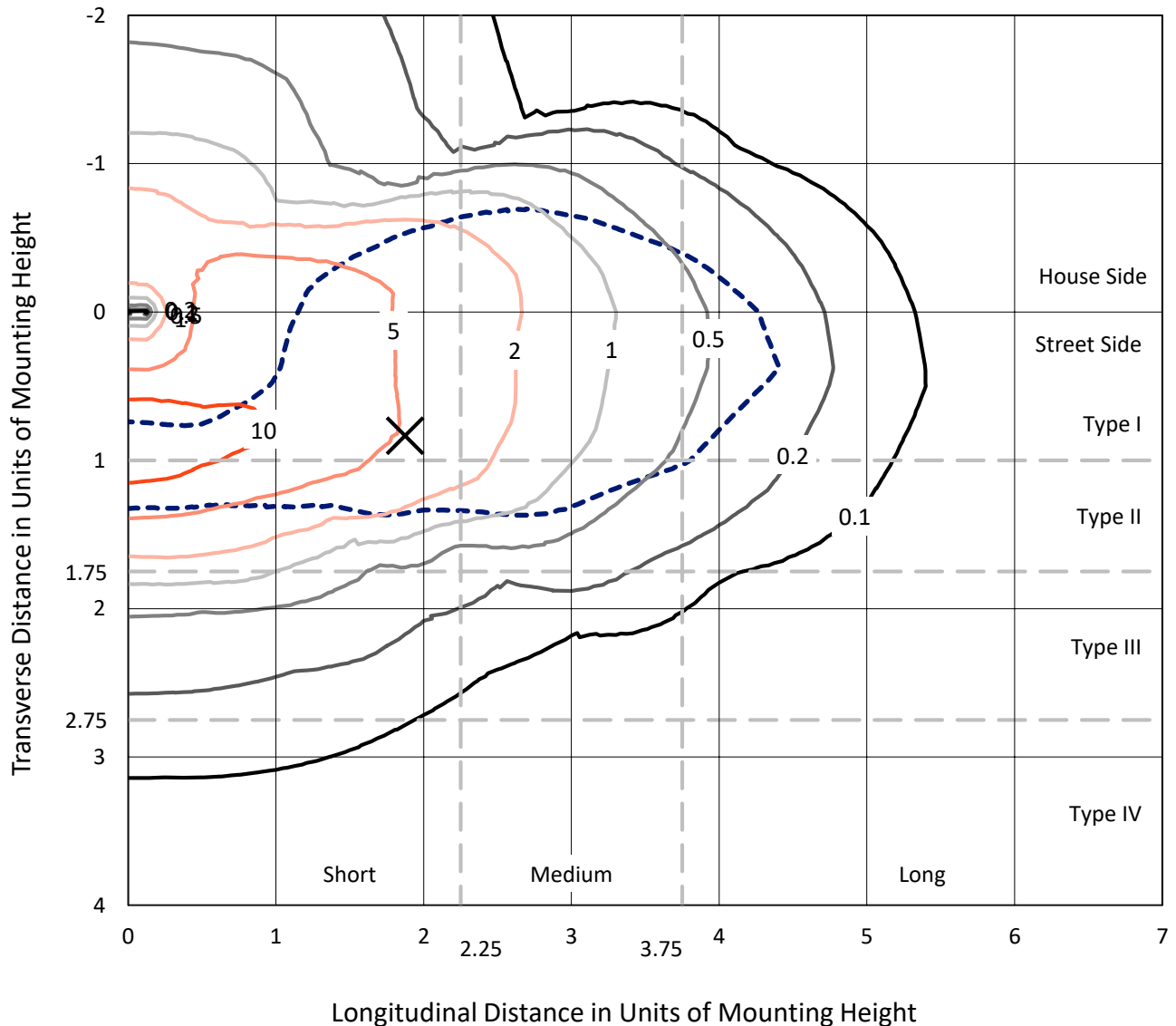
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

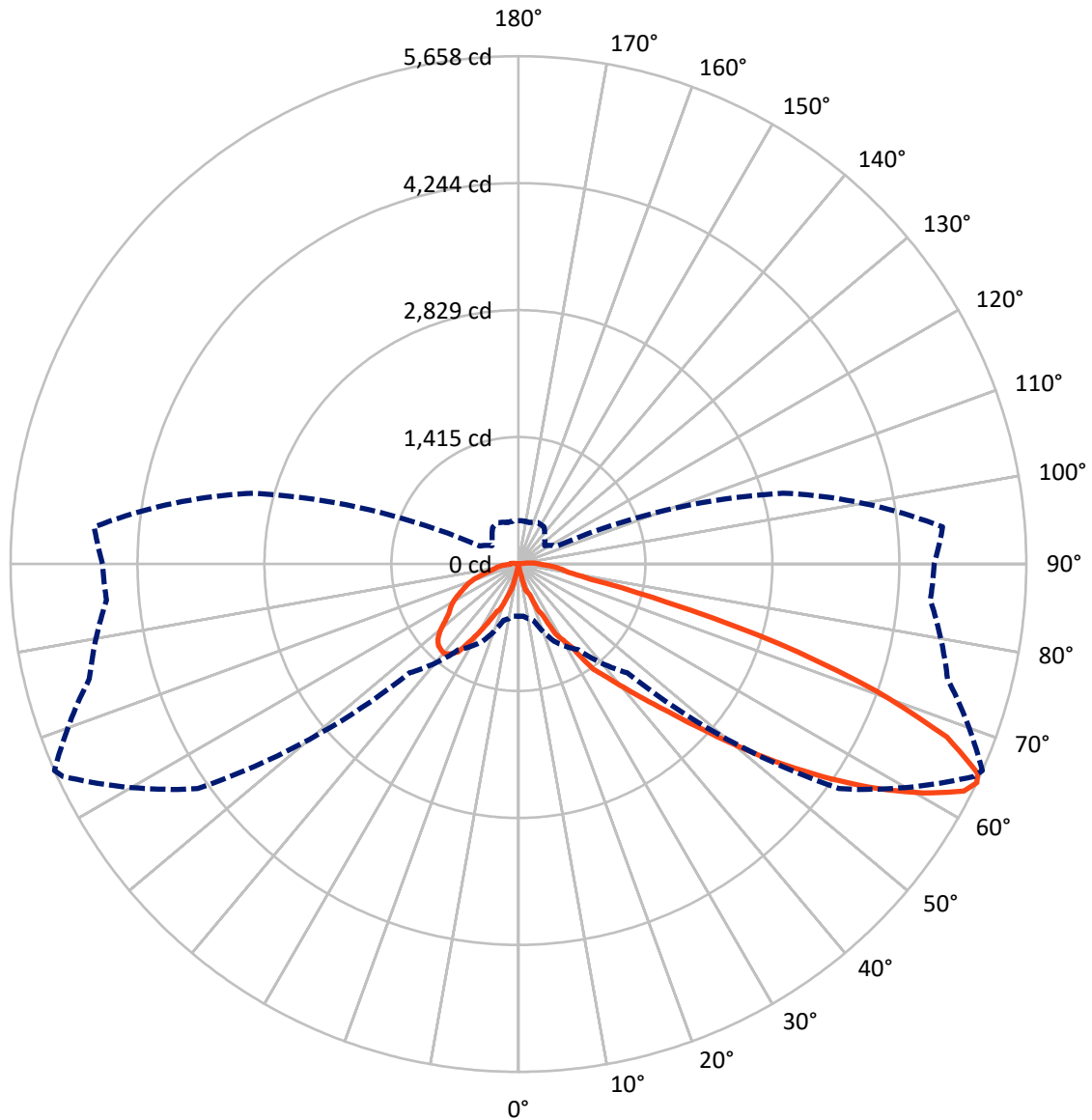
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 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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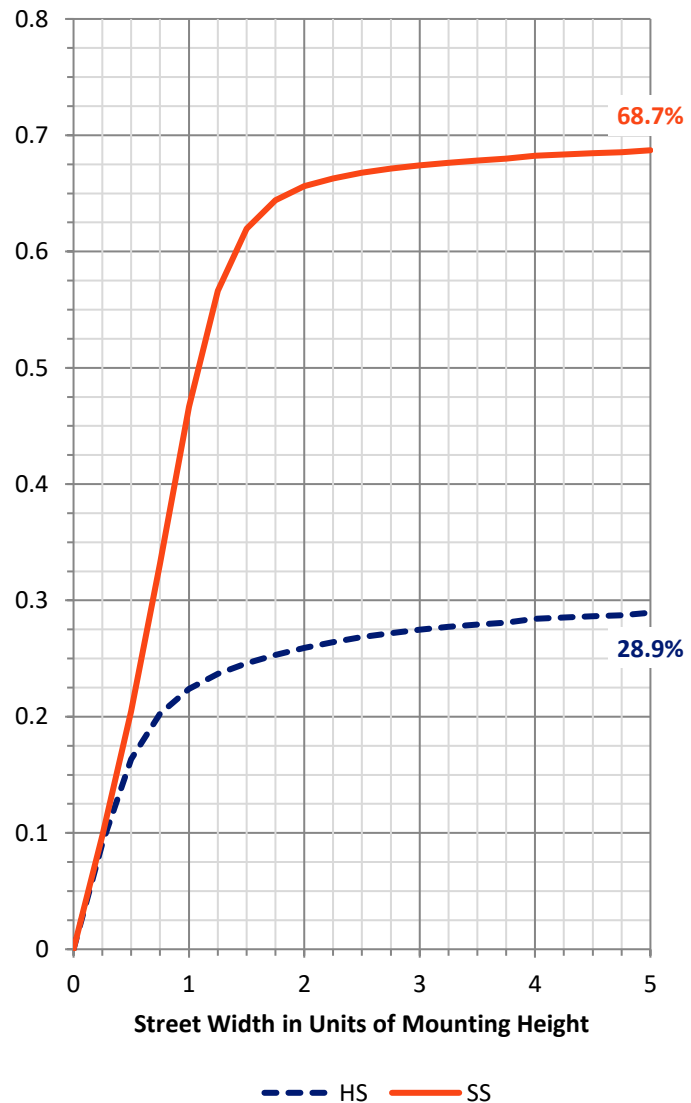
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2358.8	48.8	2407.6
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	5518.9	44.3	5563.2
	% Fixture	69.2	0.6	69.8
Total	Lumens	7877.7	93.1	7970.8
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	77.3	1.0
20°-30°	311.5	3.9
30°-40°	788.6	9.9
40°-50°	1503.5	18.9
50°-60°	2016.8	25.3
60°-70°	1867.5	23.4
70°-80°	1050.3	13.2
80°-90°	257.1	3.2
90°-100°	78.4	1.0
100°-110°	9.3	0.1
110°-120°	2.5	0.0
120°-130°	1.5	0.0
130°-140°	0.6	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7877.7	98.8
0°-180°	7970.8	100.0



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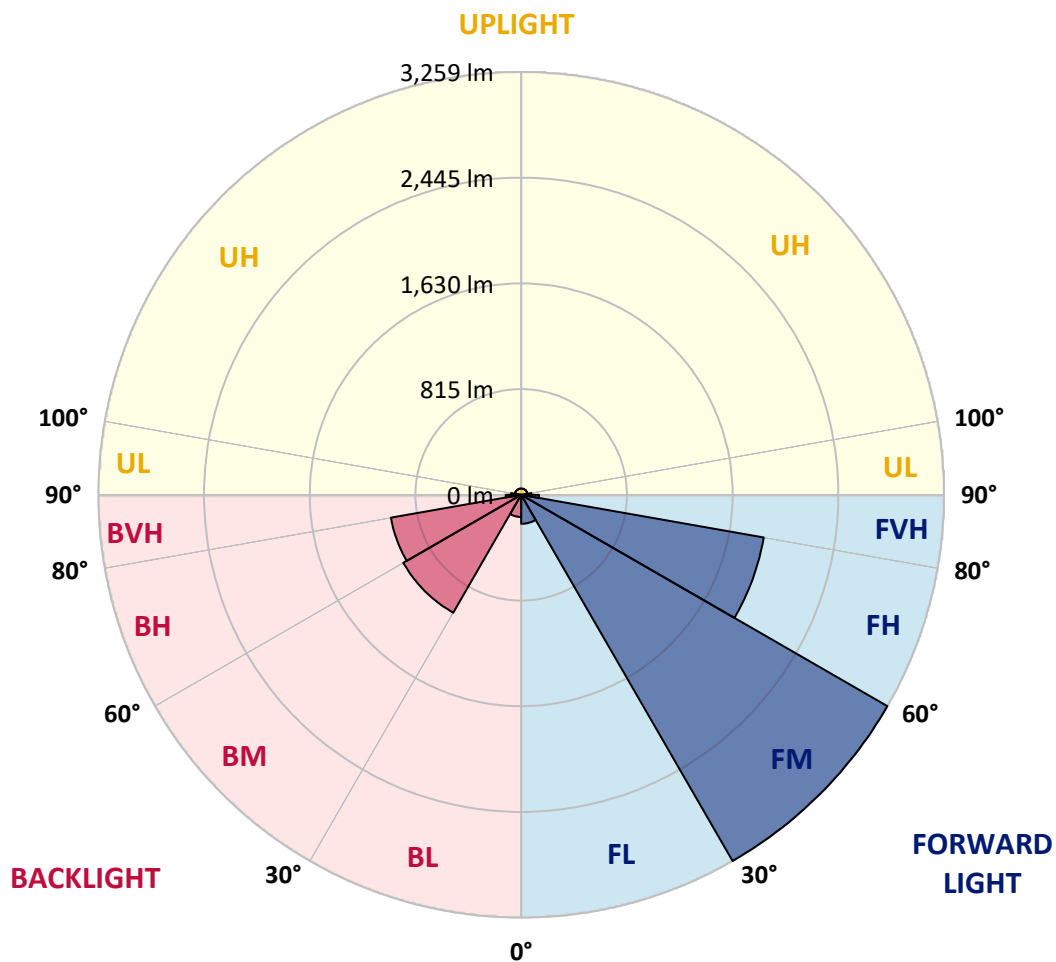
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.3	2.8			
FM (30°-60°)	3259.4	40.9			
FH (60°-80°)	1898.7	23.8			G2/5000
FVH (80°-90°)	137.5	1.7			G2/225
BL (0°-30°)	170.8	2.1	B1/500		
BM (30°-60°)	1049.4	13.2	B2/2500		
BH (60°-80°)	1019.1	12.8	B3/2500		G3/2500
BVH (80°-90°)	119.5	1.5			G2/225
UL (90°-100°)	78.4	1.0		U3/500	
UH (100°-180°)	48.8	0.6		U2/50	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	9.4	9.4	9.4	10.3	9.4	8.4	7.5	5.6	4.7	2.8	2.8
5°	122.8	122.8	121.8	118.0	36.5	18.7	12.2	7.5	7.5	4.7	2.8
7.5°	137.8	136.9	136.9	133.1	132.2	121.8	61.9	12.2	11.3	6.5	3.8
10°	152.7	149.0	147.1	144.3	145.3	136.9	127.5	59.9	34.7	13.1	10.3
12.5°	283.1	281.1	272.7	229.6	159.3	146.2	143.4	120.0	116.2	100.2	117.1
15°	313.0	307.4	301.8	300.8	284.9	178.1	225.9	295.2	298.0	229.6	248.4
17.5°	365.5	356.1	337.4	323.4	314.9	365.5	336.4	326.1	329.0	281.1	280.2
20°	553.8	552.9	543.5	479.8	359.9	451.7	434.9	373.0	371.1	507.9	495.7
22.5°	653.2	637.2	625.0	604.5	618.5	494.8	528.6	543.5	555.7	582.9	557.6
25°	982.1	901.5	861.2	700.0	736.6	626.0	696.3	637.2	631.7	651.3	701.9
27.5°	1133.0	1137.6	1105.8	1048.6	850.9	878.1	776.8	893.0	885.6	901.5	865.0
30°	1508.8	1483.5	1310.1	1253.8	1100.2	1000.9	1071.1	1004.6	983.1	964.3	955.8
32.5°	1860.2	1859.2	1812.4	1579.9	1385.1	1171.4	1218.2	1116.1	1122.7	1244.5	1274.5
35°	2406.5	2370.9	2089.8	1948.3	1654.9	1495.7	1368.2	1451.6	1440.3	1423.5	1435.7
37.5°	3038.2	2993.2	2754.2	2311.9	2006.4	1715.9	1699.9	1640.0	1598.8	1617.5	1629.7
40°	3408.4	3370.8	3161.8	2786.1	2341.8	2100.1	1944.5	1855.5	1804.9	1879.0	1876.1
42.5°	3671.7	3638.8	3519.0	3130.9	2816.1	2558.4	2235.0	2107.6	2055.1	2168.6	2124.5
45°	3805.7	3748.5	3734.5	3442.0	3230.3	3115.0	2637.1	2416.8	2351.3	2472.2	2419.7
47.5°	3737.2	3674.4	3728.9	3543.3	3603.2	3598.5	3136.6	2776.7	2733.6	2834.8	2756.0
50°	3419.5	3383.0	3500.1	3525.5	3794.4	3990.3	3692.2	3158.2	3212.5	3163.8	3110.3
52.5°	2896.7	2881.7	3069.1	3279.9	3765.4	4247.1	4203.9	3594.9	3716.7	3499.2	3428.0
55°	2340.9	2343.8	2548.1	2797.4	3462.7	4283.6	4649.1	4115.8	4219.9	3837.5	3738.2
57.5°	1709.4	1784.3	2017.7	2229.4	2887.3	4043.7	4924.6	4636.9	4723.1	4187.0	4021.2
60°	1108.6	1135.8	1416.9	1753.3	2129.2	3316.5	5031.4	5113.9	5180.4	4549.8	4291.1
62.5°	731.9	734.7	850.9	1238.9	1472.2	2314.7	4770.9	5507.5	5571.2	4829.0	4520.7
64°	582.9	582.0	650.4	951.1	1168.6	1713.0	4363.3	5598.4	5658.4	4949.9	4606.9
65°	514.4	513.5	563.2	764.7	999.0	1369.1	3956.6	5565.6	5623.7	5004.3	4630.3
67.5°	436.7	438.5	458.3	525.7	723.4	823.8	2420.6	5099.8	5147.6	4962.0	4548.8
70°	402.9	404.9	428.3	441.4	570.7	611.9	1052.4	4165.6	4220.8	4769.9	4361.4
72.5°	355.2	358.0	388.9	422.7	452.7	507.9	670.0	2866.6	3025.1	4136.5	4109.3
75°	297.1	299.9	329.0	373.0	394.6	414.2	580.1	1520.9	1717.7	3113.1	3662.3
77.5°	242.7	244.6	268.9	298.9	359.0	321.4	507.9	777.9	824.7	1969.8	2708.3
80°	179.0	180.9	207.1	239.9	278.3	280.2	418.9	560.4	563.2	1077.7	1461.9
82.5°	122.8	123.7	150.0	168.7	196.8	259.6	335.5	462.0	485.4	640.1	671.9
85°	84.3	85.3	101.2	107.8	123.7	143.4	242.7	362.6	398.2	459.2	402.9
87.5°	40.3	42.1	44.1	46.9	48.7	50.6	104.0	267.1	281.1	306.5	318.6
90°	33.8	33.8	26.3	25.3	29.1	30.0	47.8	227.7	223.0	293.3	316.7
92.5°	33.8	33.8	24.3	23.4	26.3	25.3	34.7	187.4	181.8	288.7	313.0
95°	29.1	30.0	19.6	18.7	22.5	20.7	27.2	109.7	116.2	203.4	231.5
97.5°	24.3	24.3	15.0	15.0	16.0	15.0	17.8	40.3	45.0	86.2	102.2
100°	17.8	18.7	9.4	10.3	10.3	9.4	9.4	16.9	18.7	23.4	22.5
102.5°	15.0	16.9	6.5	7.5	5.6	5.6	4.7	7.5	7.5	12.2	17.8
105°	11.3	13.1	4.7	4.7	3.8	3.8	1.8	5.6	5.6	10.3	18.7
107.5°	6.5	7.5	2.8	2.8	2.8	3.8	1.8	3.8	4.7	8.4	16.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	2.8	2.8	0.9	1.8	0.9	2.8	1.8	3.8	4.7	3.8	8.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8	2.8	1.8	4.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	0.9	1.8	4.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	4.7
120°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	4.7
122.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	3.8
125°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.8
127.5°	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8
130°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
135°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
137.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.8	3.8	3.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.9
147.5°	4.7	4.7	3.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.9
150°	3.8	3.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.9
152.5°	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	2.8	3.8	3.8	4.7	4.7	5.6	5.6	5.6	5.6	4.7	4.7
5°	2.8	3.8	3.8	4.7	5.6	7.5	8.4	10.3	10.3	11.3	11.3
7.5°	3.8	3.8	4.7	5.6	8.4	14.0	42.1	134.0	138.7	150.9	151.8
10°	9.4	10.3	10.3	11.3	27.2	137.8	154.7	161.2	169.6	170.5	169.6
12.5°	123.7	119.0	114.4	35.6	135.8	165.8	170.5	179.9	184.6	198.7	198.7
15°	250.2	250.2	241.8	266.2	240.8	184.6	198.7	312.1	323.4	331.7	327.0
17.5°	284.0	284.0	278.3	337.4	362.6	292.4	319.6	343.9	351.4	353.3	352.4
20°	510.8	505.1	455.4	414.2	378.6	463.9	391.7	354.2	421.7	488.3	492.0
22.5°	555.7	548.2	536.0	543.5	497.6	477.9	448.9	471.4	486.4	489.2	490.1
25°	700.9	696.3	605.4	579.1	625.0	533.3	539.8	462.0	470.5	480.8	479.8
27.5°	868.7	853.8	807.8	693.5	654.1	628.8	509.8	488.3	539.8	542.6	540.7
30°	964.3	922.1	837.8	856.5	706.6	601.6	506.1	511.7	489.2	490.1	492.0
32.5°	1285.7	1235.1	1126.5	996.1	754.4	566.0	490.1	459.2	495.7	502.3	505.1
35°	1405.6	1360.7	1267.0	1179.0	768.4	539.8	435.8	449.8	450.7	452.7	454.5
37.5°	1572.5	1509.7	1431.9	1235.1	763.7	475.2	424.5	426.4	456.3	462.0	464.8
40°	1777.7	1698.1	1610.9	1260.5	688.8	450.7	415.1	429.2	439.6	436.7	438.5
42.5°	2020.4	1912.7	1790.9	1230.4	583.8	439.6	415.1	424.5	426.4	418.0	418.0
45°	2299.7	2179.7	1943.6	1196.8	503.2	443.2	424.5	418.9	409.5	397.3	394.6
47.5°	2605.3	2465.6	2084.2	1131.1	447.0	440.5	430.2	409.5	399.3	388.9	388.9
50°	2932.3	2785.1	2204.2	1029.9	420.7	435.8	427.3	415.1	403.9	385.1	384.2
52.5°	3245.3	3125.3	2353.1	892.1	395.5	439.6	448.9	421.7	405.8	380.4	380.4
55°	3548.0	3478.6	2487.1	783.5	385.1	428.3	461.0	437.6	403.9	384.2	385.1
57.5°	3849.7	3841.3	2640.8	710.3	373.0	421.7	477.0	449.8	421.7	402.0	402.0
60°	4192.7	4231.1	2838.6	628.8	371.1	414.2	483.5	470.5	437.6	433.9	434.9
62.5°	4487.9	4588.1	2989.5	534.2	359.0	408.6	494.8	490.1	457.4	453.6	459.2
64°	4633.1	4744.7	3048.5	475.2	356.1	412.4	499.5	509.8	478.8	482.6	482.6
65°	4685.6	4795.3	3065.4	435.8	353.3	414.2	500.4	516.4	483.5	482.6	482.6
67.5°	4687.5	4771.9	3006.2	373.9	341.2	413.3	505.1	534.2	502.3	523.9	515.5
70°	4576.9	4467.2	2777.6	330.8	339.2	414.2	501.3	524.8	496.6	545.4	540.7
72.5°	4272.4	3878.7	2206.9	291.4	343.0	408.6	481.7	500.4	479.8	551.1	546.4
75°	3609.8	3023.1	1358.8	272.7	338.3	388.9	458.3	455.4	445.1	490.1	487.3
77.5°	2480.6	1989.5	650.4	266.2	331.7	361.7	406.7	402.0	390.8	409.5	403.9
80°	1283.9	1051.5	392.6	243.7	308.3	313.9	331.7	335.5	323.4	328.0	320.5
82.5°	607.2	554.7	329.9	222.1	264.2	232.4	257.7	269.9	248.4	249.3	223.0
85°	379.5	387.0	271.8	172.5	178.1	141.5	179.0	192.1	164.9	140.6	134.0
87.5°	314.9	329.0	200.5	96.6	82.4	72.1	101.2	105.9	75.9	63.7	59.0
90°	325.2	335.5	197.7	76.8	65.6	54.3	74.1	65.6	46.9	41.2	37.4
92.5°	322.3	327.0	195.9	74.1	61.9	49.7	62.8	50.6	36.5	31.8	29.1
95°	242.7	260.5	158.4	72.1	54.3	40.3	46.9	39.4	25.3	22.5	20.7
97.5°	100.2	118.0	93.7	68.4	42.1	30.0	30.9	27.2	15.0	13.1	12.2
100°	19.6	30.9	49.7	49.7	20.7	16.0	16.0	15.0	7.5	6.5	5.6
102.5°	19.6	18.7	22.5	27.2	9.4	4.7	5.6	7.5	4.7	6.5	6.5
105°	20.7	19.6	12.2	7.5	5.6	2.8	1.8	1.8	3.8	7.5	8.4
107.5°	18.7	18.7	8.4	5.6	4.7	3.8	0.9	0.9	2.8	8.4	9.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.4	10.3	6.5	4.7	4.7	3.8	0.9	0.0	2.8	9.4	10.3
112.5°	5.6	5.6	5.6	3.8	2.8	2.8	0.9	0.0	2.8	10.3	11.3
115°	5.6	5.6	4.7	3.8	2.8	1.8	0.0	0.0	2.8	11.3	12.2
117.5°	5.6	5.6	4.7	2.8	1.8	0.9	0.0	0.0	2.8	11.3	12.2
120°	5.6	5.6	4.7	2.8	1.8	0.9	0.0	0.0	2.8	10.3	11.3
122.5°	5.6	5.6	4.7	2.8	1.8	0.9	0.0	0.0	2.8	8.4	9.4
125°	4.7	4.7	3.8	2.8	1.8	0.9	0.0	0.0	1.8	7.5	7.5
127.5°	3.8	4.7	3.8	2.8	1.8	0.9	0.0	0.0	1.8	5.6	6.5
130°	3.8	3.8	2.8	2.8	1.8	0.9	0.0	0.0	0.9	4.7	5.6
132.5°	2.8	2.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	1.8	2.8
135°	0.9	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.9
137.5°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
140°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
145°	0.9	1.8	1.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.9	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)