

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: P266095

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266095
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-AF24-50-D-U-T2U-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 4779.8 lumens
Efficiency: N/A
Efficacy: 88.5 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 - U2 - G2

Input Watts (W): 54
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

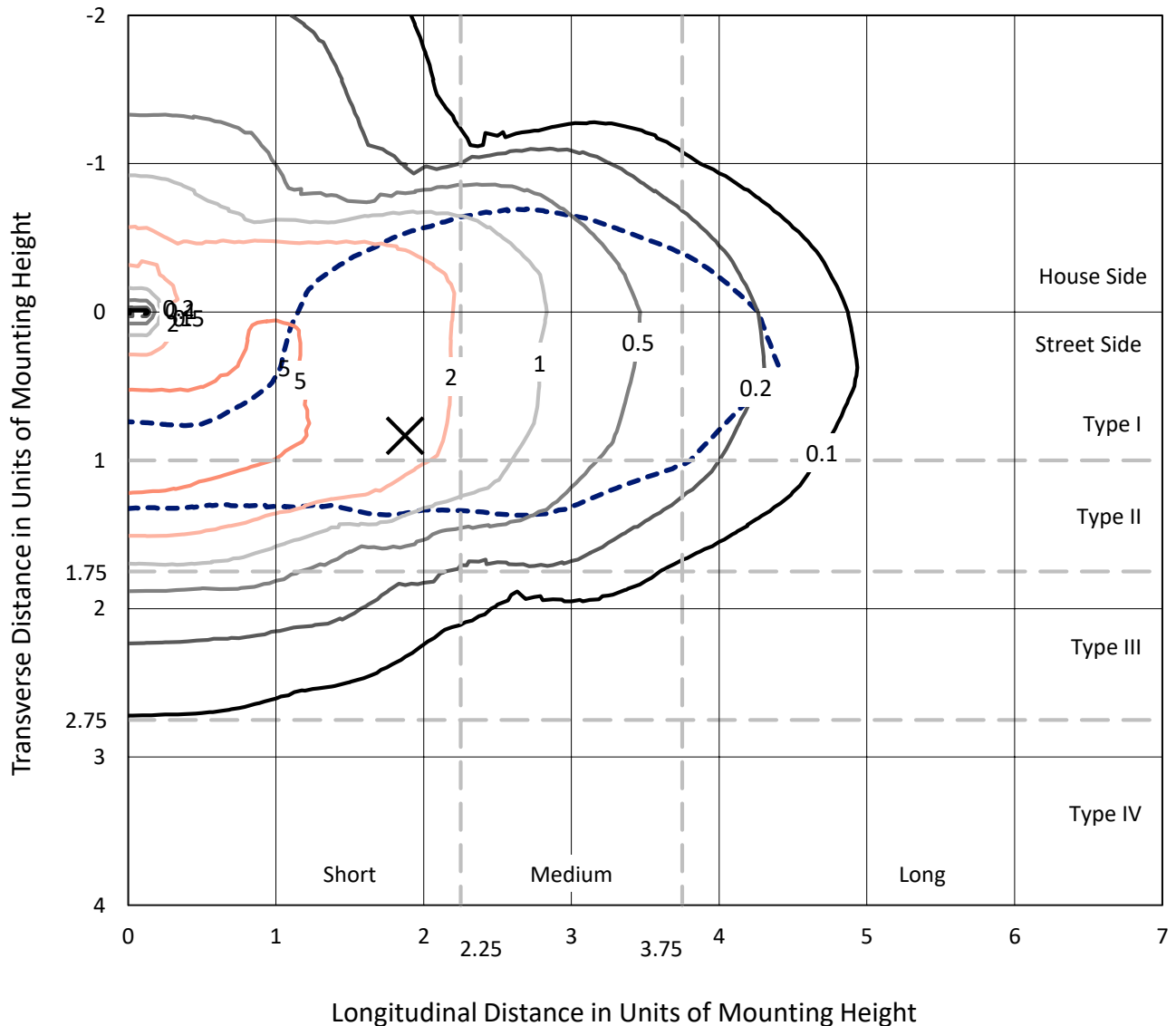


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Iso-Footcandle Lines of Horizontal Illumination

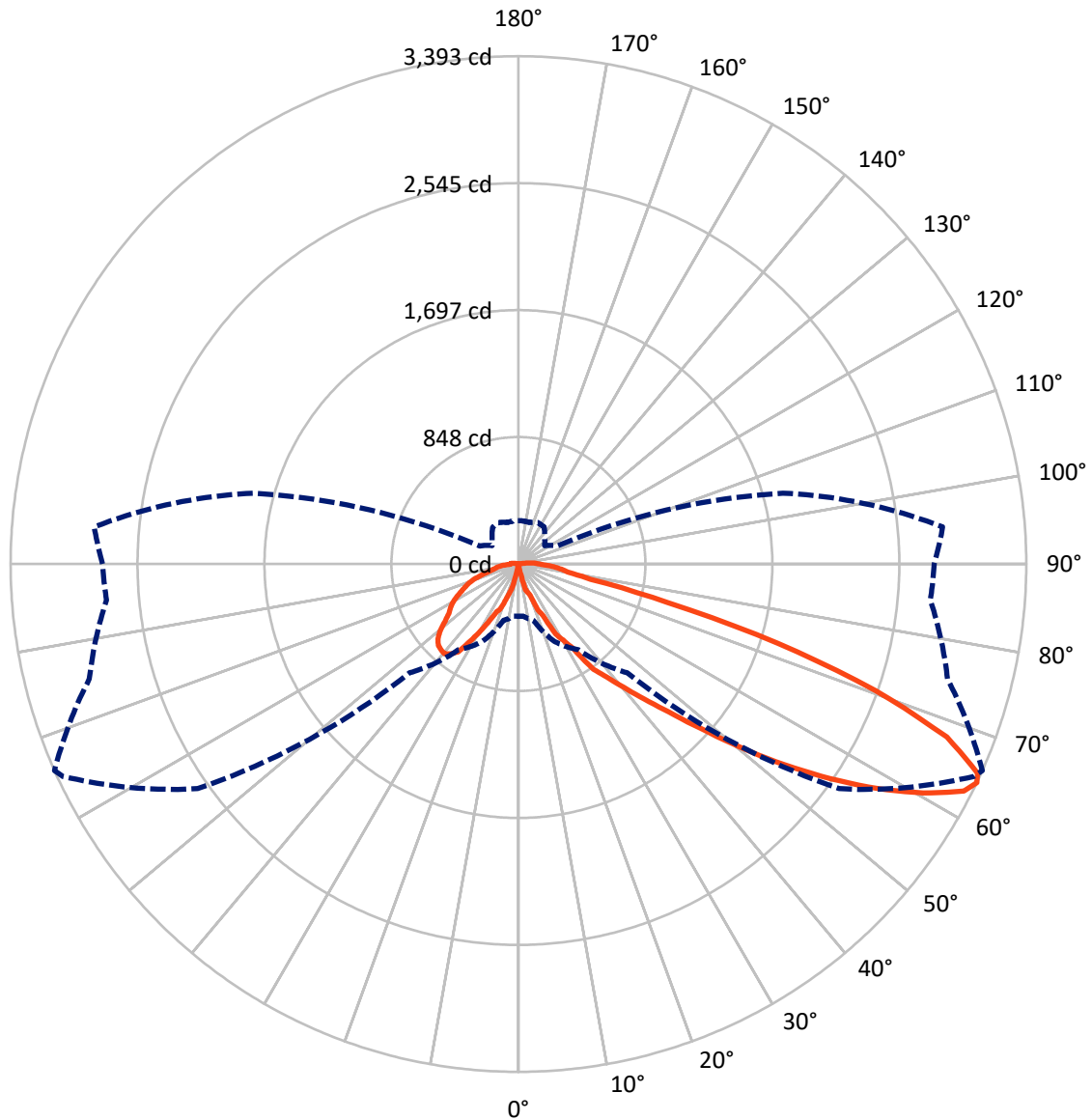
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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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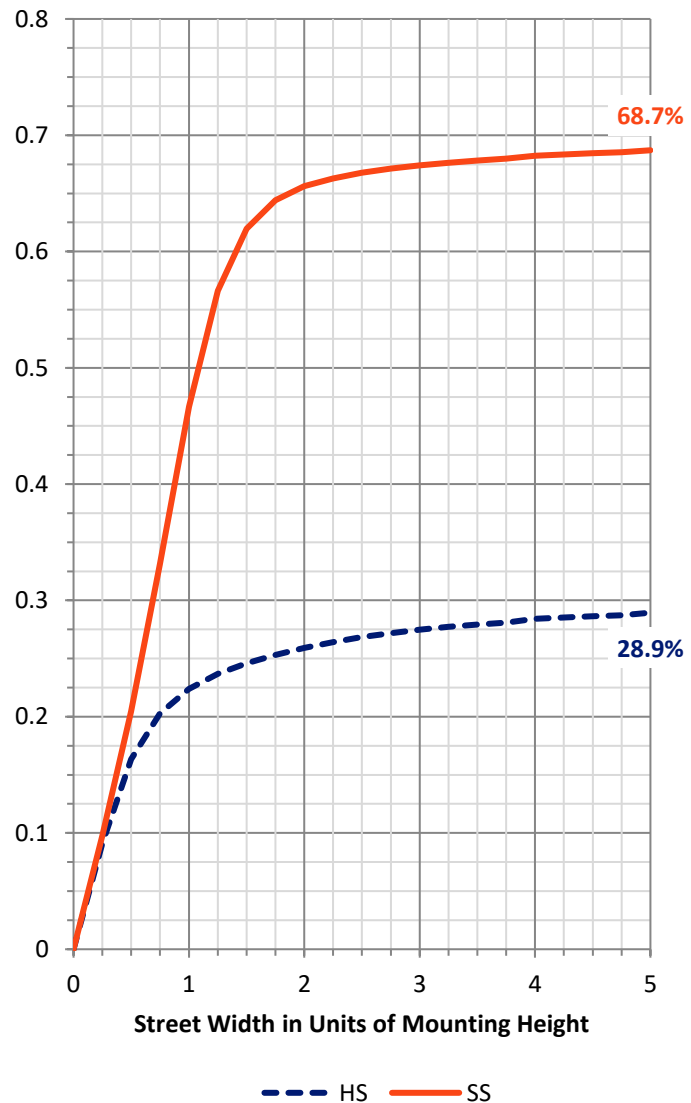
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1414.5	29.2	1443.7
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	3309.5	26.5	3336.0
	% Fixture	69.2	0.6	69.8
Total	Lumens	4724.0	55.8	4779.8
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	46.3	1.0
20°-30°	186.8	3.9
30°-40°	472.9	9.9
40°-50°	901.6	18.9
50°-60°	1209.4	25.3
60°-70°	1119.9	23.4
70°-80°	629.8	13.2
80°-90°	154.1	3.2
90°-100°	47.0	1.0
100°-110°	5.6	0.1
110°-120°	1.5	0.0
120°-130°	0.9	0.0
130°-140°	0.3	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°	4724.0	98.8
0°-180°	4779.8	100.0



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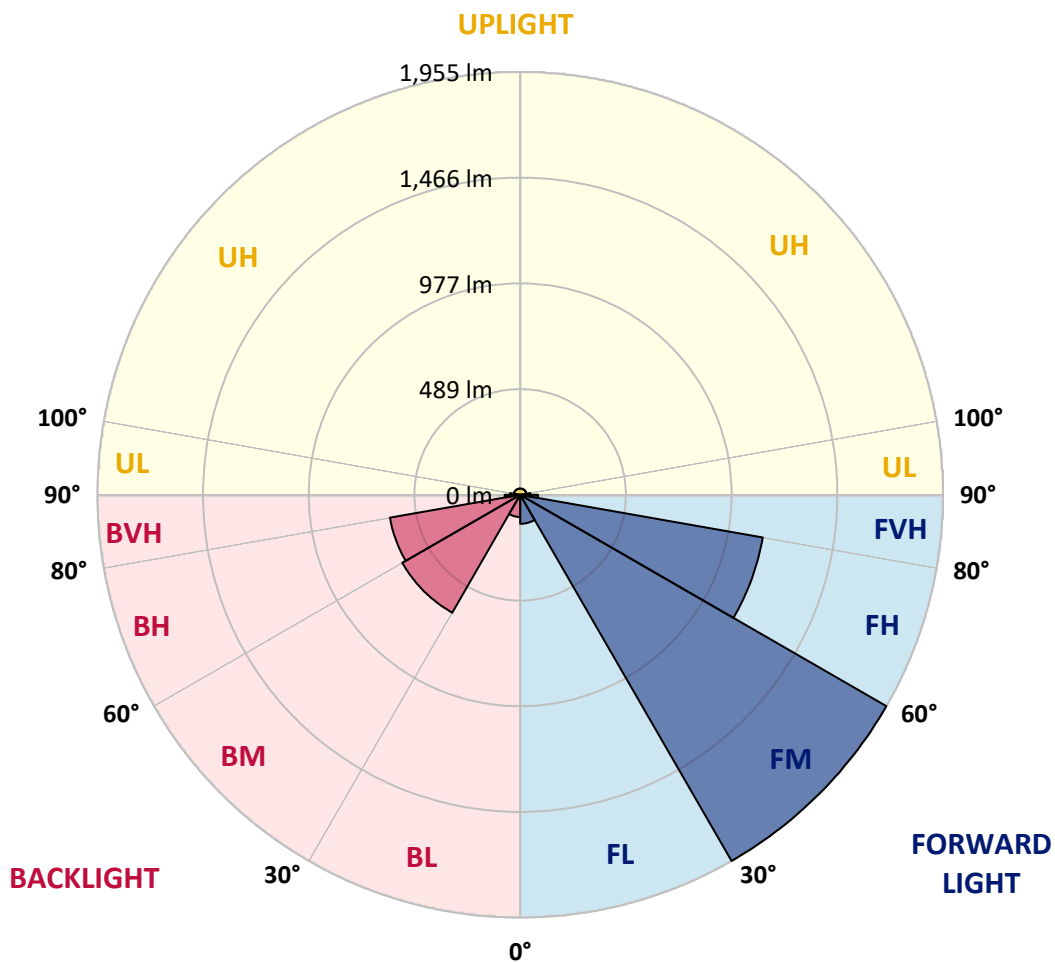
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-CL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.9	2.8			
FM	(30°-60°)	1954.6	40.9			
FH	(60°-80°)	1138.6	23.8			G1/1800
FVH	(80°-90°)	82.5	1.7			G1/100
BL	(0°-30°)	102.4	2.1	B0/110		
BM	(30°-60°)	629.3	13.2	B1/1000		
BH	(60°-80°)	611.1	12.8	B2/1000		G2/1000
BVH	(80°-90°)	71.7	1.5			G1/100
UL	(90°-100°)	47.0	1.0		U2/50	
UH	(100°-180°)	29.2	0.6		U2/50	

BUG Rating: B2-U2-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	5.6	5.6	5.6	6.2	5.6	5.1	4.5	3.4	2.9	1.6	1.6
5°	73.7	73.7	73.0	70.7	21.9	11.3	7.2	4.5	4.5	2.9	1.6
7.5°	82.6	82.0	82.0	79.8	79.2	73.0	37.1	7.2	6.7	4.0	2.2
10°	91.5	89.3	88.3	86.5	87.0	82.0	76.4	35.9	20.8	7.8	6.2
12.5°	169.7	168.6	163.5	137.7	95.5	87.7	86.0	72.0	69.7	60.1	70.2
15°	187.7	184.3	181.0	180.4	170.9	106.8	135.5	177.1	178.8	137.7	148.8
17.5°	219.1	213.5	202.3	193.9	188.9	219.1	201.7	195.7	197.3	168.6	168.1
20°	332.2	331.6	325.9	287.7	215.9	270.8	260.8	223.7	222.5	304.5	297.2
22.5°	391.8	382.0	374.9	362.5	370.9	296.7	316.9	325.9	333.2	349.5	334.3
25°	588.8	540.6	516.4	419.8	441.6	375.4	417.5	382.0	378.7	390.6	420.9
27.5°	679.4	682.3	663.0	628.9	510.2	526.5	466.0	535.6	531.1	540.6	518.7
30°	904.8	889.6	785.6	751.9	659.7	600.2	642.3	602.5	589.5	578.2	573.2
32.5°	1115.4	1114.9	1086.8	947.4	830.6	702.5	730.5	669.2	673.2	746.3	764.3
35°	1443.0	1421.7	1253.1	1168.3	992.4	896.9	820.4	870.5	863.7	853.6	860.9
37.5°	1821.9	1795.0	1651.7	1386.4	1203.2	1029.0	1019.3	983.5	958.8	969.9	977.3
40°	2043.9	2021.4	1896.1	1670.7	1404.3	1259.3	1166.1	1112.7	1082.4	1126.7	1125.0
42.5°	2201.7	2182.2	2110.2	1877.5	1688.6	1534.1	1340.4	1263.8	1232.4	1300.3	1273.9
45°	2282.1	2247.7	2239.5	2064.0	1937.0	1867.9	1581.3	1449.2	1410.0	1482.5	1451.0
47.5°	2241.1	2203.5	2236.1	2124.9	2160.8	2157.9	1881.0	1665.1	1639.2	1700.0	1652.7
50°	2050.7	2028.7	2098.9	2114.2	2275.3	2392.8	2214.1	1893.7	1926.3	1897.2	1865.2
52.5°	1737.1	1728.0	1840.4	1966.8	2258.0	2546.9	2521.0	2155.7	2228.8	2098.4	2055.6
55°	1403.8	1405.5	1527.9	1677.5	2076.4	2568.8	2787.9	2468.2	2530.4	2301.2	2241.7
57.5°	1025.1	1070.1	1209.8	1336.9	1731.5	2424.9	2953.1	2780.6	2832.3	2510.9	2411.4
60°	664.7	681.0	849.6	1051.5	1276.9	1988.8	3017.1	3066.6	3106.5	2728.3	2573.3
62.5°	438.9	440.6	510.2	742.9	882.9	1388.1	2860.9	3302.6	3340.8	2895.7	2710.8
64°	349.5	349.0	390.0	570.5	700.8	1027.2	2616.6	3357.1	3393.1	2968.3	2762.6
65°	308.5	307.9	337.8	458.6	599.1	821.1	2372.7	3337.5	3372.2	3000.9	2776.7
67.5°	261.9	263.1	274.8	315.2	433.8	494.0	1451.5	3058.2	3086.8	2975.5	2727.8
70°	241.6	242.7	256.8	264.7	342.3	367.0	631.1	2497.8	2531.1	2860.4	2615.3
72.5°	213.0	214.7	233.2	253.4	271.4	304.5	401.8	1719.0	1813.9	2480.5	2464.2
75°	178.1	179.8	197.3	223.7	236.6	248.4	347.9	912.0	1030.0	1866.9	2196.1
77.5°	145.5	146.7	161.2	179.2	215.2	192.7	304.5	466.4	494.5	1181.2	1624.0
80°	107.3	108.4	124.1	143.9	166.9	168.1	251.2	336.1	337.8	646.2	876.7
82.5°	73.7	74.2	89.9	101.1	117.9	155.6	201.2	277.0	291.1	383.8	402.9
85°	50.6	51.2	60.6	64.6	74.2	86.0	145.5	217.5	238.8	275.4	241.6
87.5°	24.2	25.3	26.4	28.0	29.3	30.4	62.4	160.2	168.6	183.8	191.1
90°	20.2	20.2	15.7	15.2	17.3	18.0	28.7	136.5	133.8	175.9	189.9
92.5°	20.2	20.2	14.6	14.1	15.7	15.2	20.8	112.4	109.1	173.1	187.7
95°	17.3	18.0	11.8	11.3	13.5	12.3	16.3	65.8	69.7	121.9	138.8
97.5°	14.6	14.6	9.1	9.1	9.5	9.1	10.7	24.2	26.9	51.7	61.3
100°	10.7	11.3	5.6	6.2	6.2	5.6	5.6	10.2	11.3	14.1	13.5
102.5°	9.1	10.2	4.0	4.5	3.4	3.4	2.9	4.5	4.5	7.2	10.7
105°	6.7	7.8	2.9	2.9	2.2	2.2	1.1	3.4	3.4	6.2	11.3
107.5°	4.0	4.5	1.6	1.6	1.6	2.2	1.1	2.2	2.9	5.1	9.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.6	1.6	0.5	1.1	0.5	1.6	1.1	2.2	2.9	2.2	5.1
112.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.6	1.1	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.5	1.1	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	2.9
120°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	2.9
122.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	2.2
125°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.2
127.5°	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6
130°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6
132.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
135°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
137.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.5
147.5°	2.9	2.9	2.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.5
150°	2.2	2.2	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5
152.5°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	1.6	2.2	2.2	2.9	2.9	3.4	3.4	3.4	3.4	2.9	2.9
5°	1.6	2.2	2.2	2.9	3.4	4.5	5.1	6.2	6.2	6.7	6.7
7.5°	2.2	2.2	2.9	3.4	5.1	8.4	25.3	80.4	83.2	90.5	91.1
10°	5.6	6.2	6.2	6.7	16.3	82.6	92.7	96.7	101.7	102.2	101.7
12.5°	74.2	71.3	68.6	21.4	81.4	99.4	102.2	107.8	110.8	119.1	119.1
15°	150.0	150.0	144.9	159.5	144.4	110.8	119.1	187.1	193.9	199.0	196.1
17.5°	170.3	170.3	166.9	202.3	217.5	175.3	191.6	206.3	210.7	211.9	211.3
20°	306.2	302.9	273.2	248.4	227.0	278.1	234.8	212.4	253.0	292.8	295.1
22.5°	333.2	328.7	321.5	325.9	298.3	286.6	269.2	282.6	291.7	293.3	293.9
25°	420.3	417.5	363.1	347.3	374.9	319.7	323.7	277.0	282.1	288.3	287.7
27.5°	520.9	511.9	484.4	415.8	392.2	377.1	305.8	292.8	323.7	325.4	324.3
30°	578.2	552.9	502.4	513.7	423.7	360.8	303.4	306.9	293.3	293.9	295.1
32.5°	771.0	740.7	675.4	597.4	452.3	339.4	293.9	275.4	297.2	301.2	302.9
35°	842.9	816.0	759.7	707.0	460.8	323.7	261.2	269.8	270.3	271.4	272.5
37.5°	943.0	905.3	858.7	740.7	458.0	284.9	254.6	255.7	273.7	277.0	278.7
40°	1066.1	1018.3	965.9	755.8	413.0	270.3	248.9	257.4	263.6	261.9	263.1
42.5°	1211.5	1147.0	1074.0	737.9	350.1	263.6	248.9	254.6	255.7	250.6	250.6
45°	1379.1	1307.2	1165.6	717.7	301.8	265.8	254.6	251.2	245.5	238.3	236.6
47.5°	1562.2	1478.5	1249.8	678.3	268.1	264.1	258.0	245.5	239.4	233.2	233.2
50°	1758.3	1670.2	1321.8	617.6	252.3	261.2	256.2	248.9	242.3	231.0	230.4
52.5°	1946.1	1874.1	1411.1	535.0	237.2	263.6	269.2	253.0	243.4	228.2	228.2
55°	2127.5	2086.0	1491.5	469.9	231.0	256.8	276.5	262.5	242.3	230.4	231.0
57.5°	2308.6	2303.4	1583.6	425.9	223.7	253.0	286.0	269.8	253.0	241.0	241.0
60°	2514.1	2537.3	1702.2	377.1	222.5	248.4	290.0	282.1	262.5	260.1	260.8
62.5°	2691.2	2751.4	1792.7	320.3	215.2	245.0	296.7	293.9	274.3	271.9	275.4
64°	2778.3	2845.2	1828.1	284.9	213.5	247.3	299.6	305.8	287.2	289.4	289.4
65°	2809.8	2875.6	1838.2	261.2	211.9	248.4	300.0	309.6	290.0	289.4	289.4
67.5°	2810.9	2861.6	1802.8	224.2	204.5	247.8	302.9	320.3	301.2	314.1	309.0
70°	2744.6	2678.8	1665.6	198.3	203.5	248.4	300.7	314.6	297.9	327.1	324.3
72.5°	2562.0	2325.9	1323.5	174.8	205.7	245.0	288.9	300.0	287.7	330.4	327.6
75°	2164.6	1812.9	814.9	163.5	202.8	233.2	274.8	273.2	266.9	293.9	292.2
77.5°	1487.6	1192.9	390.0	159.5	199.0	216.9	243.9	241.0	234.4	245.5	242.3
80°	769.8	630.5	235.4	146.2	185.0	188.3	199.0	201.2	193.9	196.6	192.1
82.5°	364.2	332.7	197.7	133.2	158.6	139.3	154.6	161.9	148.8	149.5	133.8
85°	227.6	232.1	163.0	103.5	106.8	84.9	107.3	115.3	99.0	84.4	80.4
87.5°	188.9	197.3	120.3	57.9	49.4	43.3	60.6	63.5	45.5	38.2	35.5
90°	195.0	201.2	118.5	46.2	39.3	32.6	44.3	39.3	28.0	24.8	22.5
92.5°	193.3	196.1	117.5	44.3	37.1	29.7	37.6	30.4	21.9	19.1	17.3
95°	145.5	156.2	95.0	43.3	32.6	24.2	28.0	23.5	15.2	13.5	12.3
97.5°	60.1	70.7	56.2	41.1	25.3	18.0	18.5	16.3	9.1	7.8	7.2
100°	11.8	18.5	29.7	29.7	12.3	9.5	9.5	9.1	4.5	4.0	3.4
102.5°	11.8	11.3	13.5	16.3	5.6	2.9	3.4	4.5	2.9	4.0	4.0
105°	12.3	11.8	7.2	4.5	3.4	1.6	1.1	1.1	2.2	4.5	5.1
107.5°	11.3	11.3	5.1	3.4	2.9	2.2	0.5	0.5	1.6	5.1	5.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.6	6.2	4.0	2.9	2.9	2.2	0.5	0.0	1.6	5.6	6.2
112.5°	3.4	3.4	3.4	2.2	1.6	1.6	0.5	0.0	1.6	6.2	6.7
115°	3.4	3.4	2.9	2.2	1.6	1.1	0.0	0.0	1.6	6.7	7.2
117.5°	3.4	3.4	2.9	1.6	1.1	0.5	0.0	0.0	1.6	6.7	7.2
120°	3.4	3.4	2.9	1.6	1.1	0.5	0.0	0.0	1.6	6.2	6.7
122.5°	3.4	3.4	2.9	1.6	1.1	0.5	0.0	0.0	1.6	5.1	5.6
125°	2.9	2.9	2.2	1.6	1.1	0.5	0.0	0.0	1.1	4.5	4.5
127.5°	2.2	2.9	2.2	1.6	1.1	0.5	0.0	0.0	1.1	3.4	4.0
130°	2.2	2.2	1.6	1.6	1.1	0.5	0.0	0.0	0.5	2.9	3.4
132.5°	1.6	1.6	1.1	1.1	1.1	0.5	0.0	0.0	0.0	1.1	1.6
135°	0.5	1.1	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.5
137.5°	0.5	0.5	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0
140°	0.5	0.5	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0
142.5°	0.5	0.5	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0
145°	0.5	1.1	1.1	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.5	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.5	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)