

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: P254476

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6362.8 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

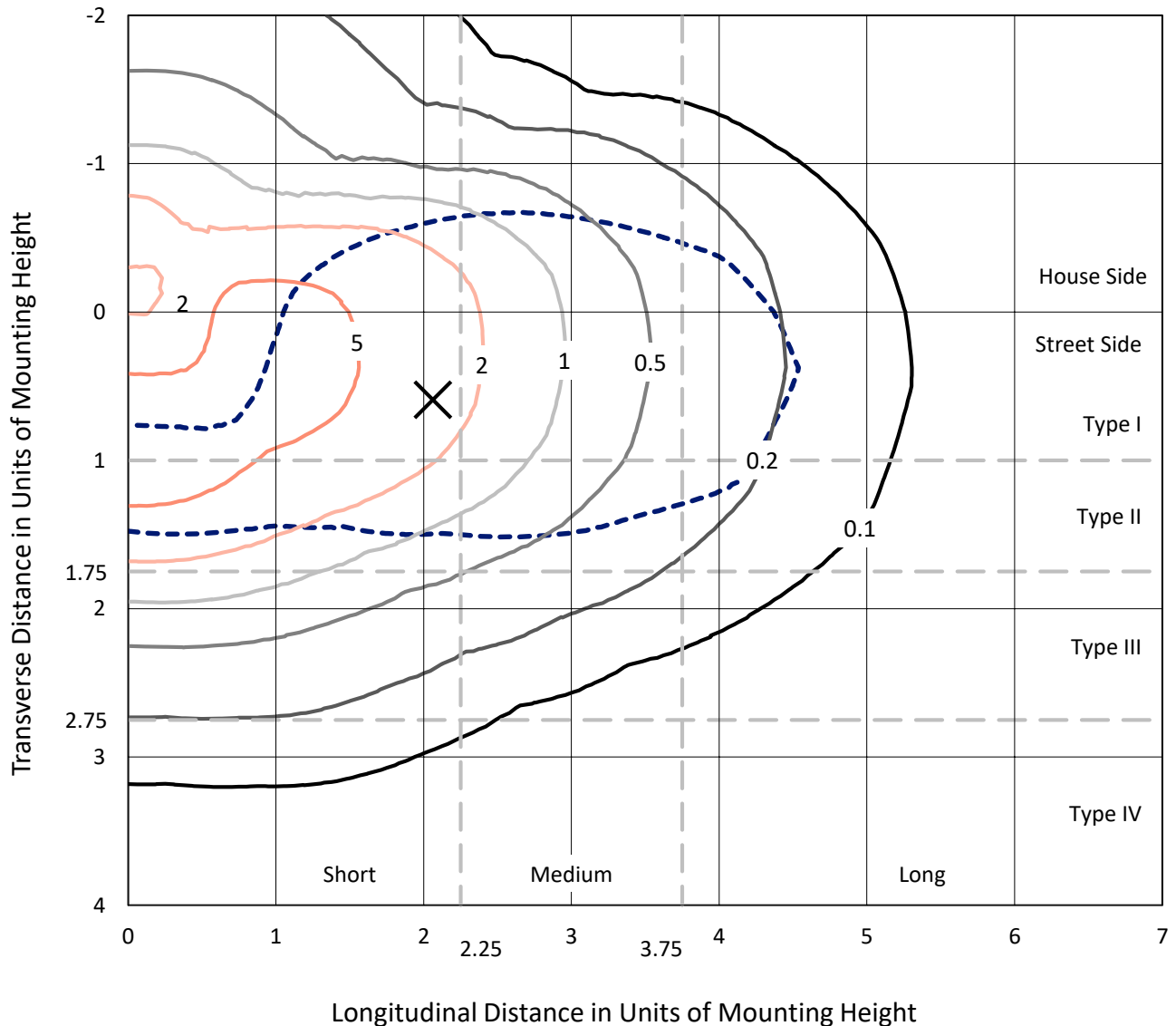
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

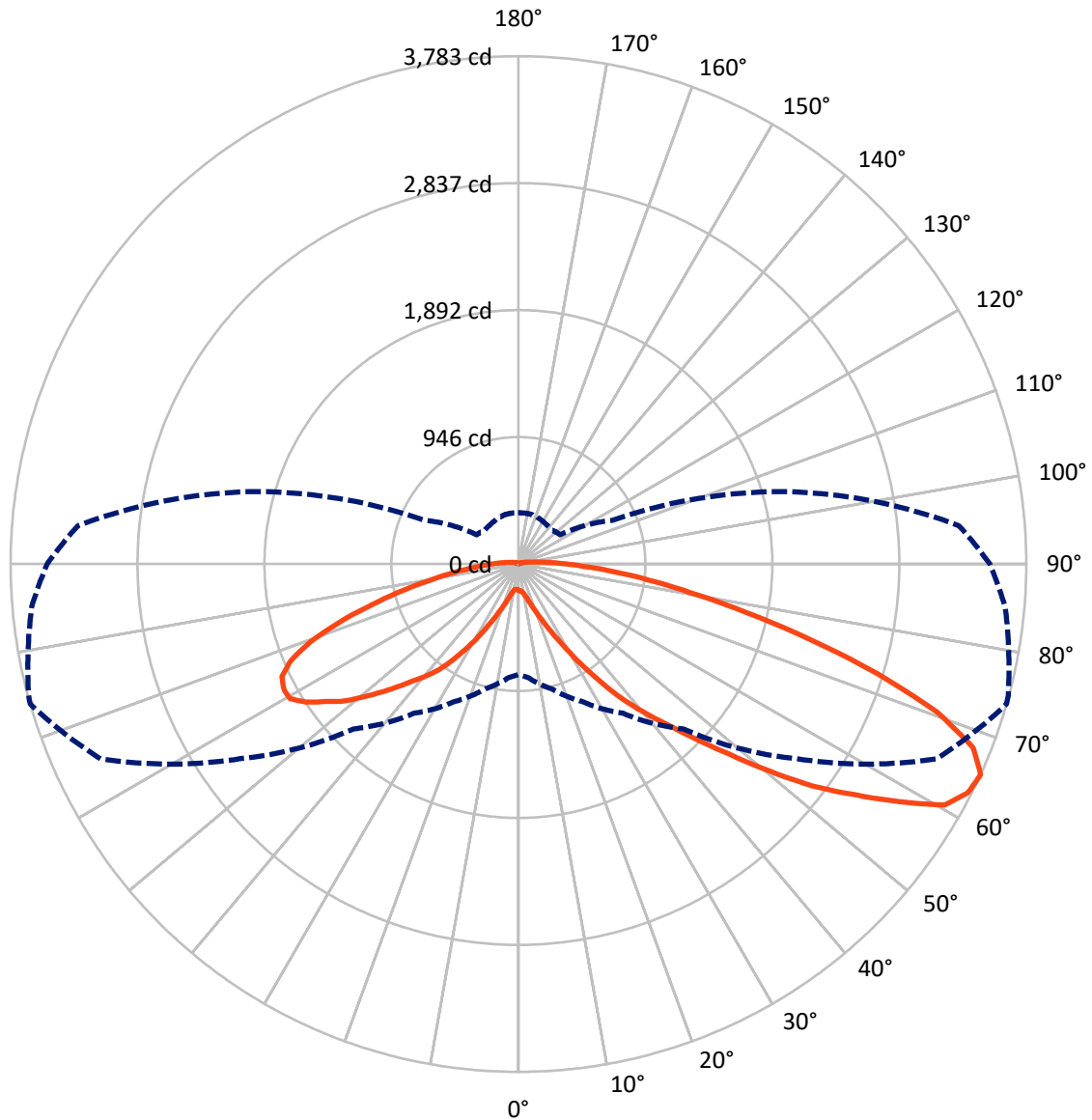


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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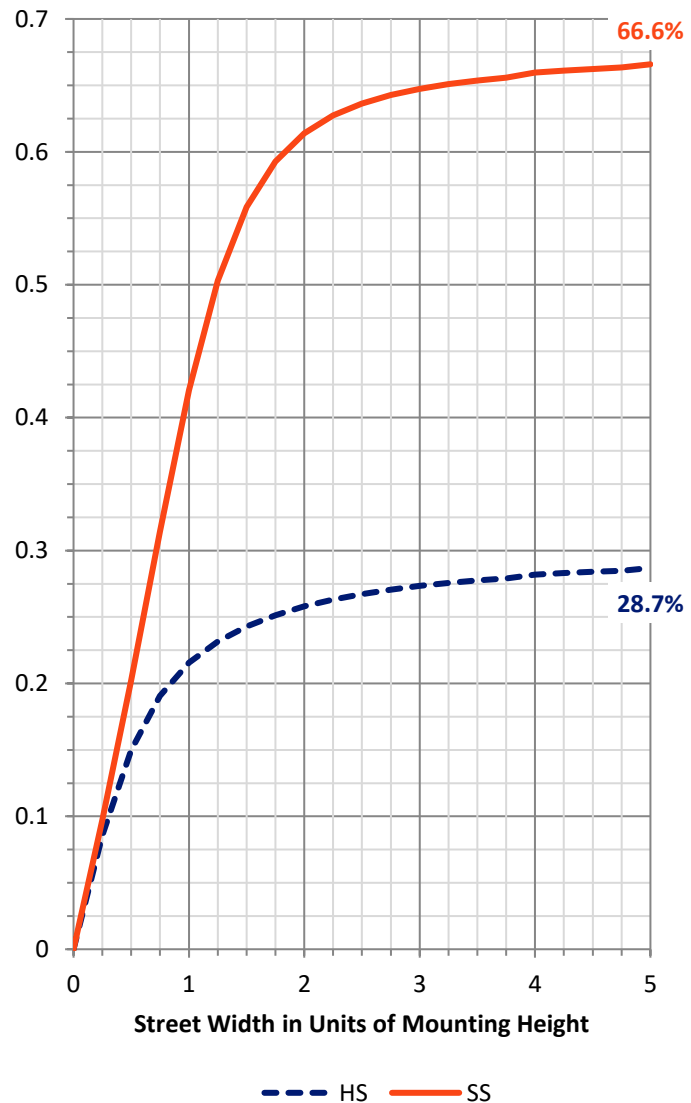
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1881.5	92.0	1973.5
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	4295.6	93.7	4389.3
	% Fixture	67.5	1.5	69.0
Total	Lumens	6177.1	185.7	6362.8
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.3
10°-20°	79.8	1.3
20°-30°	235.4	3.7
30°-40°	574.1	9.0
40°-50°	1048.1	16.5
50°-60°	1491.4	23.4
60°-70°	1501.5	23.6
70°-80°	889.0	14.0
80°-90°	338.3	5.3
90°-100°	106.7	1.7
100°-110°	40.3	0.6
110°-120°	19.3	0.3
120°-130°	11.0	0.2
130°-140°	6.2	0.1
140°-150°	2.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6177.1	97.1
0°-180°	6362.8	100.0



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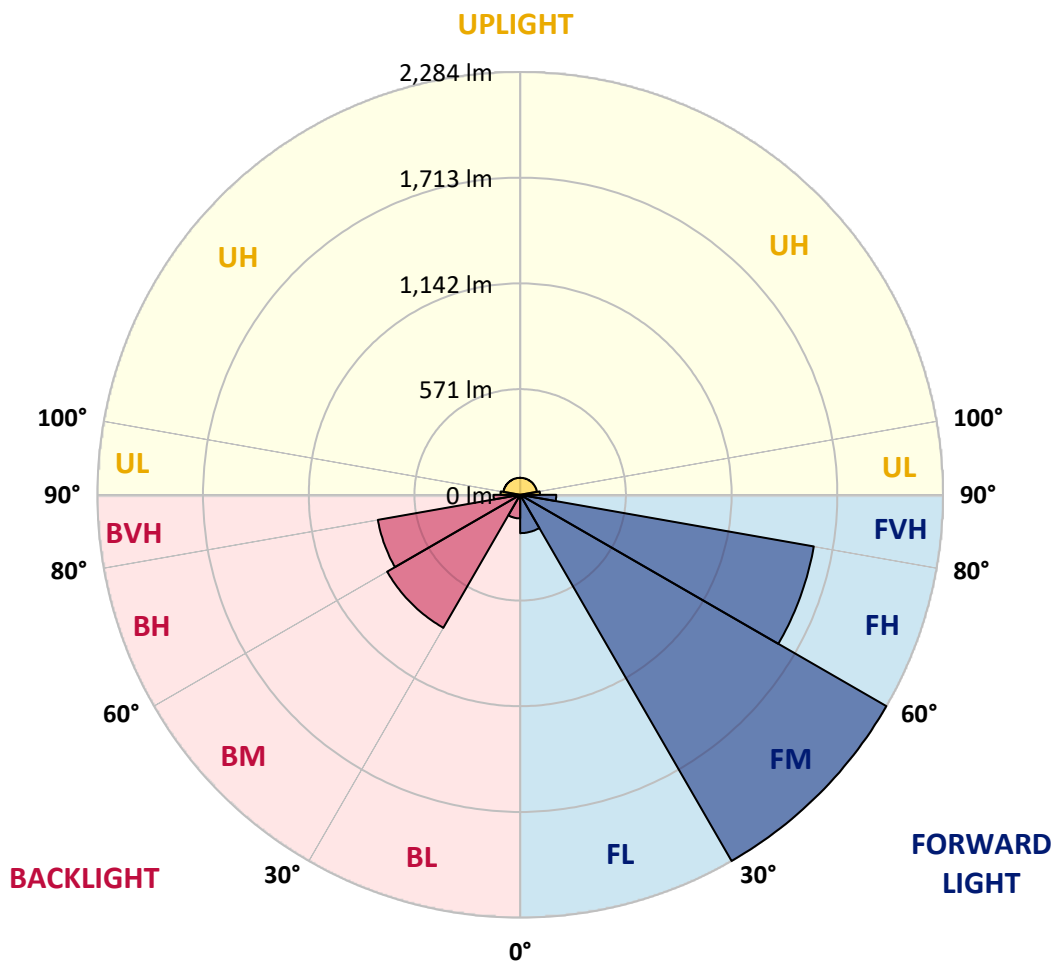
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.1	3.3			
FM	(30°-60°)	2283.6	35.9			
FH	(60°-80°)	1610.2	25.3			G1/1800
FVH	(80°-90°)	194.6	3.1			G2/225
BL	(0°-30°)	127.5	2.0	B1/500		
BM	(30°-60°)	830.0	13.0	B1/1000		
BH	(60°-80°)	780.3	12.3	B2/1000		G2/1000
BVH	(80°-90°)	143.7	2.3			G2/225
UL	(90°-100°)	106.7	1.7		U3/500	
UH	(100°-180°)	92.0	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	209.5	208.7	209.5	208.7	208.7	207.1	204.9	201.8	198.8	197.9	195.7
5°	224.0	224.0	224.0	222.5	221.0	218.6	214.0	208.7	203.4	202.5	197.9
7.5°	243.9	244.6	243.1	240.1	237.0	230.9	225.6	217.9	211.0	210.2	203.4
10°	273.6	272.9	270.6	266.8	258.4	251.5	242.3	231.6	224.0	222.5	214.0
12.5°	315.0	314.1	310.4	299.6	288.2	275.2	266.1	256.0	248.5	247.7	240.1
15°	368.5	366.9	359.3	345.6	327.1	310.4	302.7	292.8	285.1	284.4	276.7
17.5°	434.2	432.7	422.0	402.1	376.9	357.7	349.3	337.9	329.5	330.2	318.8
20°	516.8	512.9	498.4	471.7	441.1	418.2	405.2	393.7	386.8	386.1	377.7
22.5°	623.0	617.7	591.7	559.6	521.4	490.0	473.2	460.9	456.3	457.2	449.5
25°	759.1	749.1	716.3	672.0	624.5	576.4	556.5	542.8	545.0	546.6	538.9
27.5°	920.3	915.8	865.3	811.8	741.5	679.5	661.2	647.5	652.0	655.9	649.8
30°	1120.6	1105.4	1046.5	966.3	875.3	799.6	775.9	771.3	783.6	788.9	785.1
32.5°	1350.8	1337.8	1257.5	1155.8	1023.6	934.2	906.6	918.8	938.8	944.9	940.3
35°	1623.7	1612.2	1504.5	1365.3	1197.2	1101.5	1064.9	1085.6	1110.7	1116.0	1109.2
37.5°	1905.8	1899.6	1781.9	1599.2	1393.6	1269.8	1238.4	1268.3	1295.0	1299.6	1276.6
40°	2147.3	2152.7	2035.0	1832.4	1595.4	1448.6	1430.3	1457.0	1464.7	1467.0	1423.4
42.5°	2343.8	2346.9	2244.5	2039.6	1784.9	1635.2	1625.2	1639.0	1641.2	1641.2	1590.8
45°	2395.8	2412.6	2353.7	2197.8	1965.4	1816.4	1816.4	1847.7	1863.0	1867.5	1802.5
47.5°	2419.5	2431.7	2398.1	2285.7	2110.7	1991.4	2031.2	2103.8	2119.0	2127.4	2044.2
50°	2398.1	2414.9	2408.7	2336.1	2210.0	2151.9	2268.1	2395.0	2423.3	2431.7	2330.0
52.5°	2229.9	2263.5	2314.0	2327.0	2270.4	2285.7	2508.2	2722.2	2747.4	2752.0	2601.4
55°	1986.8	2026.6	2112.2	2203.1	2257.4	2374.4	2741.3	3038.7	3032.5	3035.6	2862.8
57.5°	1681.0	1720.0	1835.5	1979.1	2136.6	2394.2	2881.1	3295.5	3337.6	3346.0	3182.4
60°	1399.7	1415.8	1539.5	1702.4	1911.1	2293.4	2881.1	3509.5	3646.4	3630.4	3408.7
62.5°	1075.5	1108.5	1237.7	1414.9	1642.0	2046.4	2776.5	3577.6	3756.5	3734.3	3526.4
65°	823.3	850.1	963.9	1131.4	1357.7	1736.9	2528.0	3434.7	3783.3	3777.9	3639.6
67.5°	642.1	646.0	743.8	886.8	1074.0	1401.2	2121.3	3157.1	3654.1	3653.3	3570.7
70°	485.4	489.3	568.8	701.0	829.4	1071.7	1694.0	2705.4	3310.8	3300.9	3339.1
72.5°	370.7	375.3	438.0	543.5	637.5	800.4	1291.2	2175.6	2795.6	2810.1	2866.6
75°	286.6	291.2	340.1	422.0	488.5	587.1	932.6	1638.2	2241.4	2265.0	2383.6
77.5°	221.0	225.6	264.5	326.4	375.3	430.4	649.8	1201.7	1733.8	1764.4	1896.6
80°	169.7	174.3	208.7	253.1	292.8	326.4	457.9	860.8	1304.9	1339.3	1493.0
82.5°	131.4	136.1	165.1	201.0	234.7	257.6	333.3	613.1	973.1	1001.5	1161.2
85°	101.7	105.5	129.9	158.3	190.4	211.0	255.3	434.2	698.7	722.4	848.5
87.5°	78.8	81.8	101.7	124.6	154.5	175.0	203.4	315.7	479.4	497.7	581.8
90°	59.6	62.7	78.8	96.4	122.3	144.4	162.9	227.0	329.5	340.1	383.0
92.5°	43.6	45.8	58.8	71.8	93.3	114.7	129.9	168.2	224.0	229.3	247.7
95°	32.8	34.4	43.6	53.5	70.4	88.7	100.9	123.9	150.6	153.6	159.8
97.5°	26.0	26.8	33.7	41.3	54.3	68.8	77.9	90.9	106.3	107.8	110.9
100°	22.2	22.9	28.2	34.4	43.6	55.0	61.9	70.4	78.8	79.5	81.8
102.5°	19.1	19.8	23.7	28.2	36.7	45.8	50.4	55.9	60.4	59.6	61.9
105°	16.8	16.8	20.7	24.4	31.3	38.3	41.3	44.3	45.8	45.8	47.4
107.5°	14.5	15.2	17.6	21.4	27.5	32.8	34.4	35.2	35.2	35.2	36.7
110°	13.0	13.0	15.2	18.3	23.7	28.2	29.1	28.2	27.5	27.5	29.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	11.5	11.5	13.0	16.8	21.4	25.3	25.3	23.7	21.4	21.4	22.9
115°	9.9	10.7	11.5	15.2	19.8	22.9	22.2	19.8	17.6	17.6	19.1
117.5°	9.2	9.2	10.7	13.8	18.3	20.7	19.8	16.8	14.5	14.5	16.1
120°	9.2	9.2	9.9	13.0	16.8	19.1	17.6	14.5	12.3	12.3	14.5
122.5°	9.2	9.2	9.9	12.3	15.2	16.8	16.1	13.0	10.7	10.7	12.3
125°	9.9	9.9	9.9	12.3	14.5	16.1	14.5	12.3	9.9	9.9	10.7
127.5°	10.7	10.7	10.7	12.3	13.8	14.5	13.0	10.7	9.2	9.2	9.9
130°	11.5	11.5	10.7	11.5	13.0	13.0	12.3	9.9	8.4	8.4	9.9
132.5°	11.5	11.5	10.7	10.7	11.5	11.5	10.7	8.4	7.7	7.7	9.2
135°	10.7	10.7	9.9	9.9	9.9	9.9	8.4	6.9	6.9	6.9	7.7
137.5°	9.9	9.9	9.2	9.2	9.2	8.4	6.9	5.3	5.3	5.3	6.9
140°	8.4	8.4	8.4	7.7	7.7	6.9	5.3	4.6	4.6	4.6	5.3
142.5°	7.7	6.9	6.9	6.1	6.1	5.3	3.8	3.1	3.1	3.1	3.8
145°	6.1	6.1	5.3	4.6	4.6	3.8	2.3	1.5	2.3	2.3	3.1
147.5°	4.6	4.6	3.8	3.8	3.1	2.3	0.7	1.5	1.5	1.5	2.3
150°	3.1	3.1	3.1	2.3	1.5	0.7	0.7	0.7	0.7	1.5	1.5
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	194.2	193.4	191.9	188.8	188.0	186.5	184.2	183.5	182.0	182.7	182.0
5°	195.7	194.2	188.8	185.8	182.0	179.6	177.4	175.8	174.3	173.5	172.8
7.5°	199.5	197.2	191.1	184.9	179.6	175.8	172.8	170.4	169.0	168.2	167.5
10°	209.5	206.4	197.2	188.8	180.4	175.0	171.2	169.0	167.5	167.5	167.5
12.5°	233.9	230.1	216.4	201.8	188.0	179.6	175.0	178.1	182.0	185.8	188.0
15°	269.0	264.5	247.7	227.0	206.4	194.2	195.0	201.0	205.6	210.2	211.0
17.5°	313.4	307.3	285.9	258.4	230.9	221.0	217.9	224.0	231.6	236.2	238.6
20°	368.5	360.8	333.3	295.1	267.6	253.1	246.1	248.5	256.9	264.5	265.3
22.5°	438.7	425.0	392.9	340.1	305.8	283.6	273.6	273.6	285.1	295.1	296.6
25°	528.3	515.3	464.0	397.5	347.1	313.4	302.0	304.2	319.6	332.6	334.1
27.5°	638.3	620.0	552.7	465.5	389.8	339.4	327.1	333.3	348.6	362.3	363.9
30°	769.8	740.7	655.1	538.9	431.9	365.4	346.3	353.9	367.6	382.2	382.2
32.5°	918.8	884.4	770.6	616.9	471.7	383.7	357.0	366.9	380.7	395.3	394.4
35°	1080.1	1040.4	890.6	695.6	507.6	396.7	362.3	373.8	389.8	407.4	407.4
37.5°	1243.7	1203.2	1011.4	766.0	532.9	398.2	363.9	380.7	402.1	418.2	416.6
40°	1378.3	1323.3	1109.2	816.4	543.5	394.4	366.2	384.5	400.6	407.4	405.9
42.5°	1539.5	1469.3	1206.3	842.4	536.6	387.6	366.9	379.9	387.6	387.6	384.5
45°	1734.5	1654.2	1327.1	869.9	519.0	379.9	363.1	370.7	370.7	364.7	360.1
47.5°	1970.7	1862.2	1454.7	894.4	501.5	373.1	359.3	362.3	353.9	344.7	341.7
50°	2245.9	2114.4	1595.4	912.0	484.7	367.6	357.7	356.2	350.2	340.9	337.9
52.5°	2499.7	2352.2	1741.4	925.8	467.1	365.4	357.7	357.7	351.7	338.7	335.6
55°	2749.7	2592.3	1858.4	918.1	448.0	366.2	360.8	362.3	353.9	340.9	337.9
57.5°	3064.7	2895.0	1997.5	904.3	428.1	367.6	363.9	365.4	357.7	345.6	342.5
60°	3283.3	3095.2	2096.8	882.9	409.7	367.6	365.4	367.6	365.4	359.3	357.0
62.5°	3413.3	3203.8	2107.6	834.0	396.0	364.7	363.9	371.5	376.9	374.6	372.3
65°	3511.1	3292.5	2083.9	770.6	379.9	356.2	360.1	372.3	381.5	382.2	381.5
67.5°	3435.4	3209.9	1969.2	696.4	360.8	345.6	353.1	366.9	380.7	385.2	384.5
70°	3203.1	2981.3	1772.0	605.5	338.7	328.7	339.4	357.7	372.3	377.7	376.1
72.5°	2725.2	2527.3	1500.6	518.3	312.6	306.6	318.0	339.4	351.7	354.7	352.4
75°	2255.9	2081.6	1204.7	427.3	284.4	279.1	289.7	306.6	315.0	315.0	311.1
77.5°	1803.4	1641.2	948.7	354.7	255.3	249.2	259.1	269.0	270.6	265.3	261.5
80°	1416.5	1263.7	718.6	293.6	225.6	219.4	222.5	228.5	230.9	221.0	215.5
82.5°	1098.5	961.7	539.7	243.1	196.5	188.8	191.1	194.2	195.0	182.7	176.6
85°	792.0	688.8	396.0	204.9	169.0	162.0	161.3	162.0	162.9	152.1	146.8
87.5°	543.5	471.7	289.7	172.0	146.0	139.1	137.6	136.9	136.9	125.4	120.0
90°	357.7	316.5	215.5	145.3	123.9	116.9	113.9	113.1	111.6	99.3	94.8
92.5°	232.4	212.5	159.8	119.3	102.4	96.4	92.5	90.2	87.9	76.4	71.8
95°	152.1	143.7	120.8	95.5	82.6	77.2	74.2	71.1	68.0	58.1	55.0
97.5°	107.8	104.8	94.0	77.2	65.8	61.9	59.6	57.3	55.0	46.6	45.1
100°	81.0	80.3	75.7	63.4	53.5	51.2	48.9	47.4	45.8	39.8	38.3
102.5°	62.7	63.4	61.9	52.0	45.1	42.8	41.3	39.8	39.0	34.4	33.7
105°	48.9	50.4	49.7	43.6	38.3	36.7	35.2	33.7	32.8	29.8	29.8
107.5°	38.3	39.8	40.5	35.9	32.8	31.3	29.8	28.2	28.2	26.8	26.8
110°	30.6	32.1	33.7	30.6	28.2	27.5	26.0	24.4	23.7	23.7	23.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.3	26.0	27.5	26.0	24.4	23.7	22.2	20.7	20.7	20.7	21.4
115°	20.7	22.2	22.9	22.2	21.4	21.4	19.1	17.6	16.8	18.3	18.3
117.5°	17.6	19.1	19.8	19.1	19.1	19.1	16.8	15.2	14.5	15.2	16.1
120°	15.2	16.1	16.8	16.8	16.8	16.8	15.2	13.0	12.3	13.8	13.8
122.5°	13.0	13.8	14.5	15.2	15.2	14.5	13.0	11.5	10.7	12.3	12.3
125°	11.5	12.3	13.0	13.8	13.8	13.0	11.5	9.9	9.2	10.7	10.7
127.5°	10.7	11.5	12.3	12.3	12.3	11.5	9.9	8.4	8.4	9.2	9.9
130°	10.7	10.7	11.5	11.5	10.7	9.9	8.4	6.9	6.9	8.4	8.4
132.5°	9.9	9.9	9.9	9.9	9.2	8.4	6.9	6.1	6.1	7.7	7.7
135°	8.4	8.4	8.4	8.4	7.7	6.9	6.1	4.6	5.3	6.1	6.1
137.5°	6.9	6.9	6.9	6.9	6.1	5.3	4.6	3.8	3.8	4.6	5.3
140°	5.3	6.1	6.1	5.3	4.6	4.6	3.1	2.3	3.1	3.8	3.8
142.5°	4.6	4.6	4.6	3.8	3.8	3.1	2.3	1.5	2.3	3.1	3.1
145°	3.8	3.8	3.8	3.8	3.1	1.5	0.7	0.7	1.5	1.5	1.5
147.5°	3.1	3.1	3.1	3.1	2.3	1.5	0.0	0.0	0.7	0.7	0.7
150°	2.3	2.3	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	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)