

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: P254849

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-100-D-U-T3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7957.3 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U3 - G4

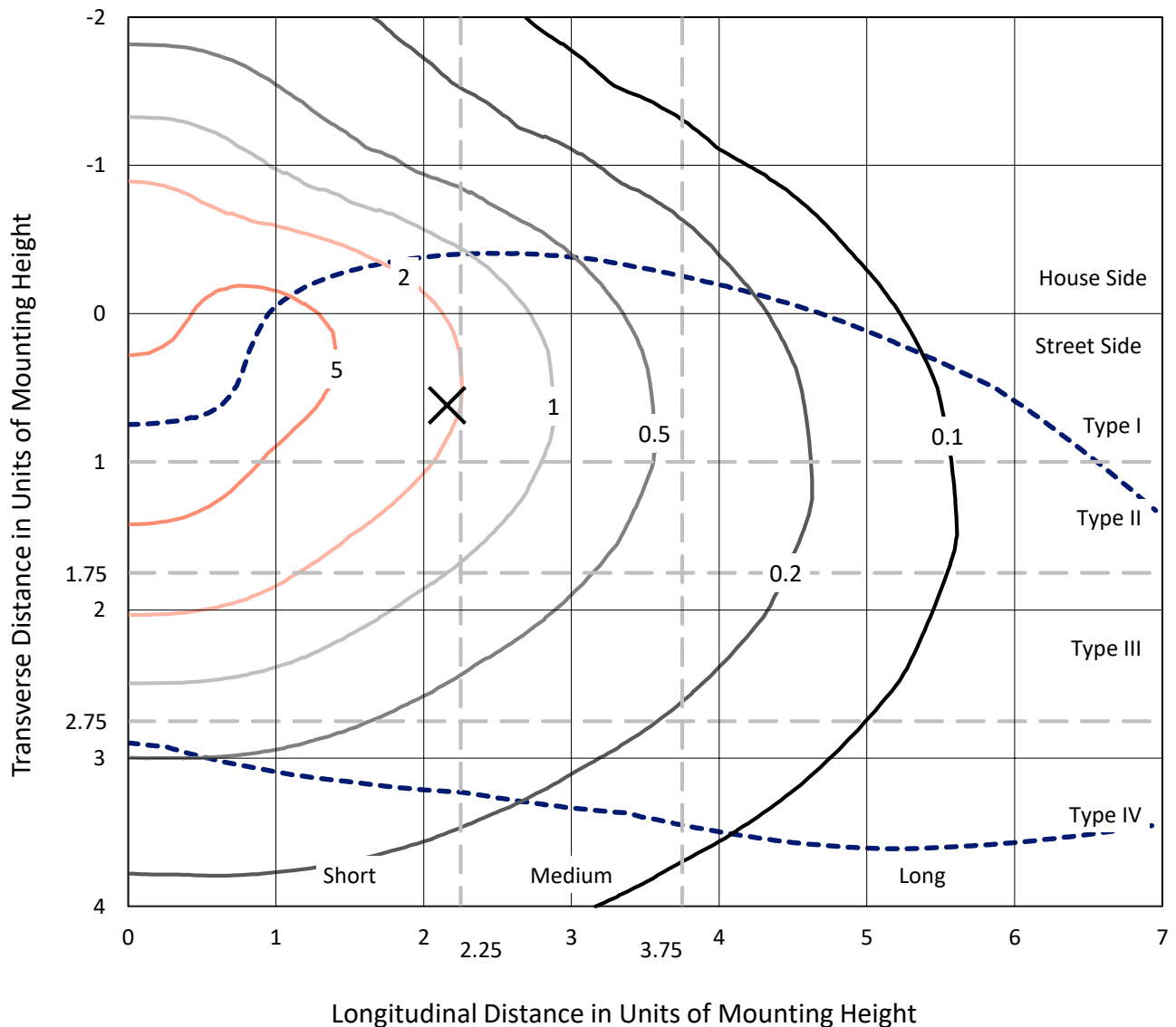
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

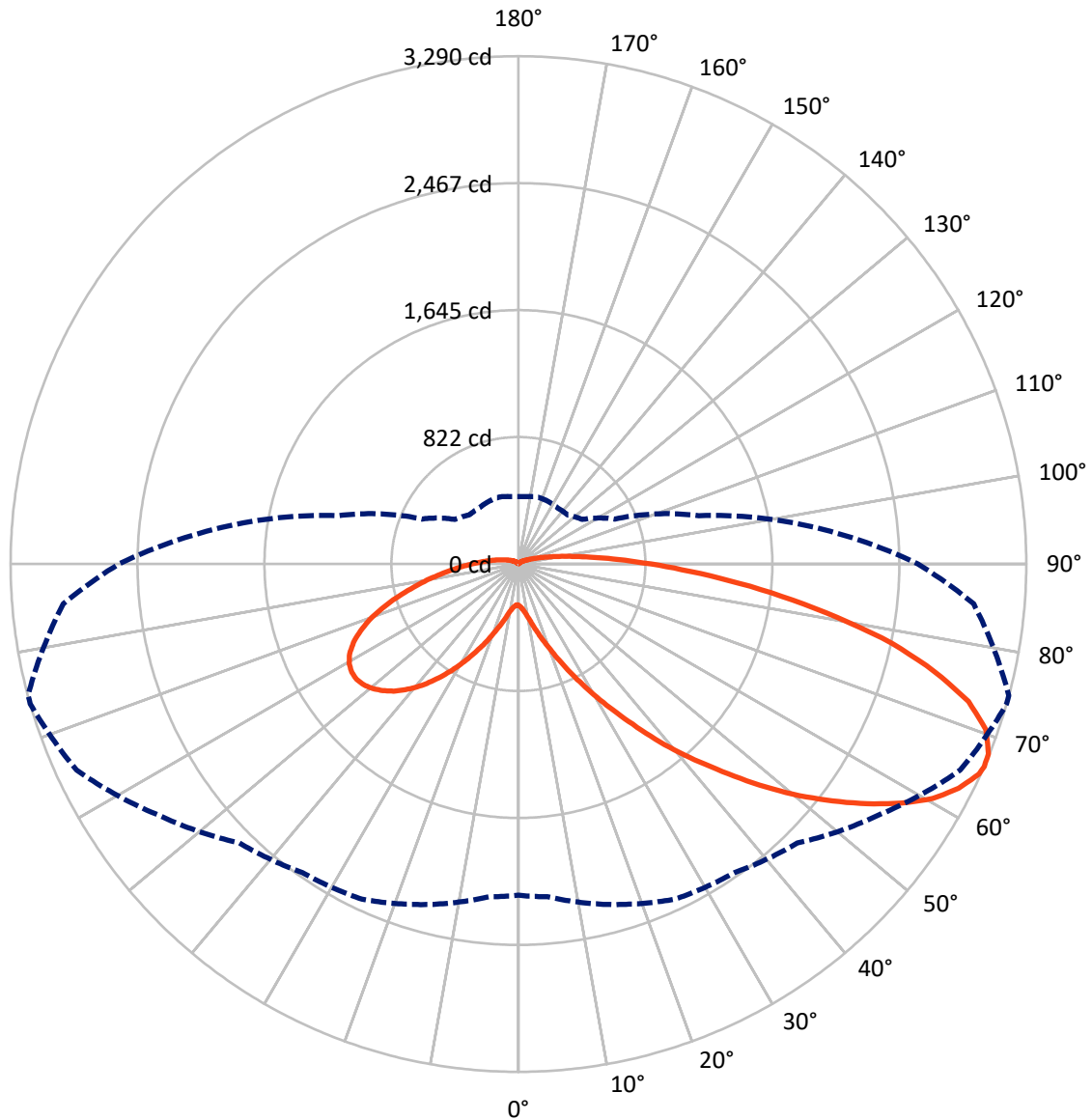


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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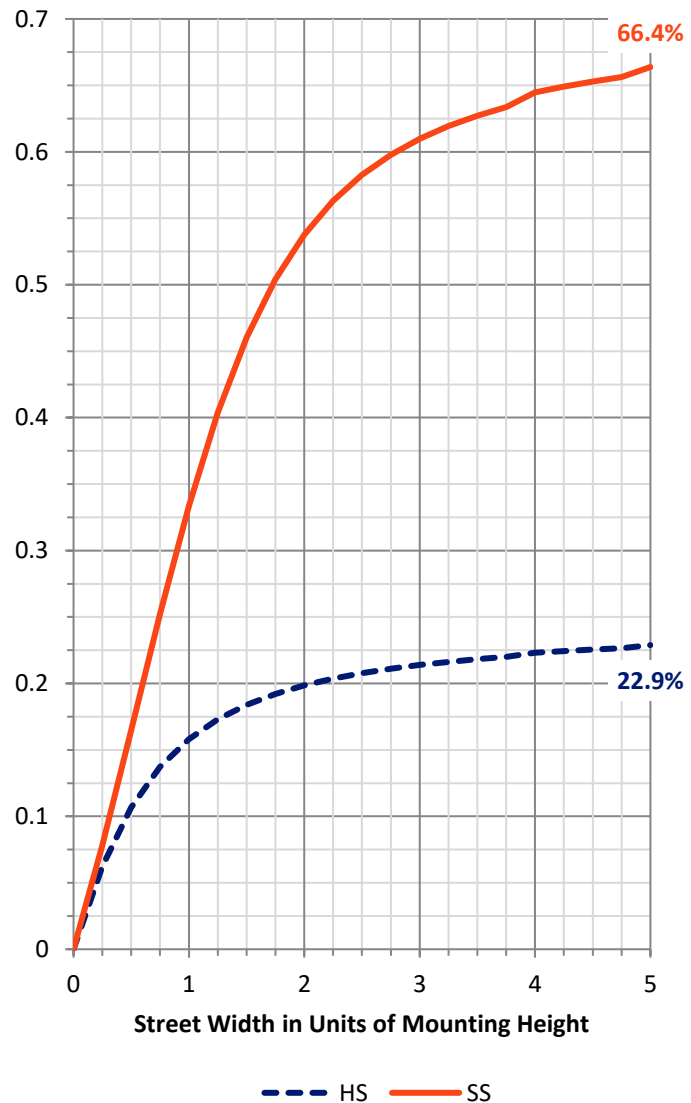
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.9	197.9	2111.8
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	5506.3	339.3	5845.5
	% Fixture	69.2	4.3	73.5
Total	Lumens	7420.2	537.1	7957.3
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.4
10°-20°	120.5	1.5
20°-30°	309.1	3.9
30°-40°	625.9	7.9
40°-50°	1059.7	13.3
50°-60°	1502.7	18.9
60°-70°	1696.6	21.3
70°-80°	1356.7	17.0
80°-90°	720.7	9.1
90°-100°	303.9	3.8
100°-110°	129.2	1.6
110°-120°	59.7	0.7
120°-130°	28.5	0.4
130°-140°	12.4	0.2
140°-150°	3.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7420.2	93.2
0°-180°	7957.3	100.0

Coefficient of Utilization



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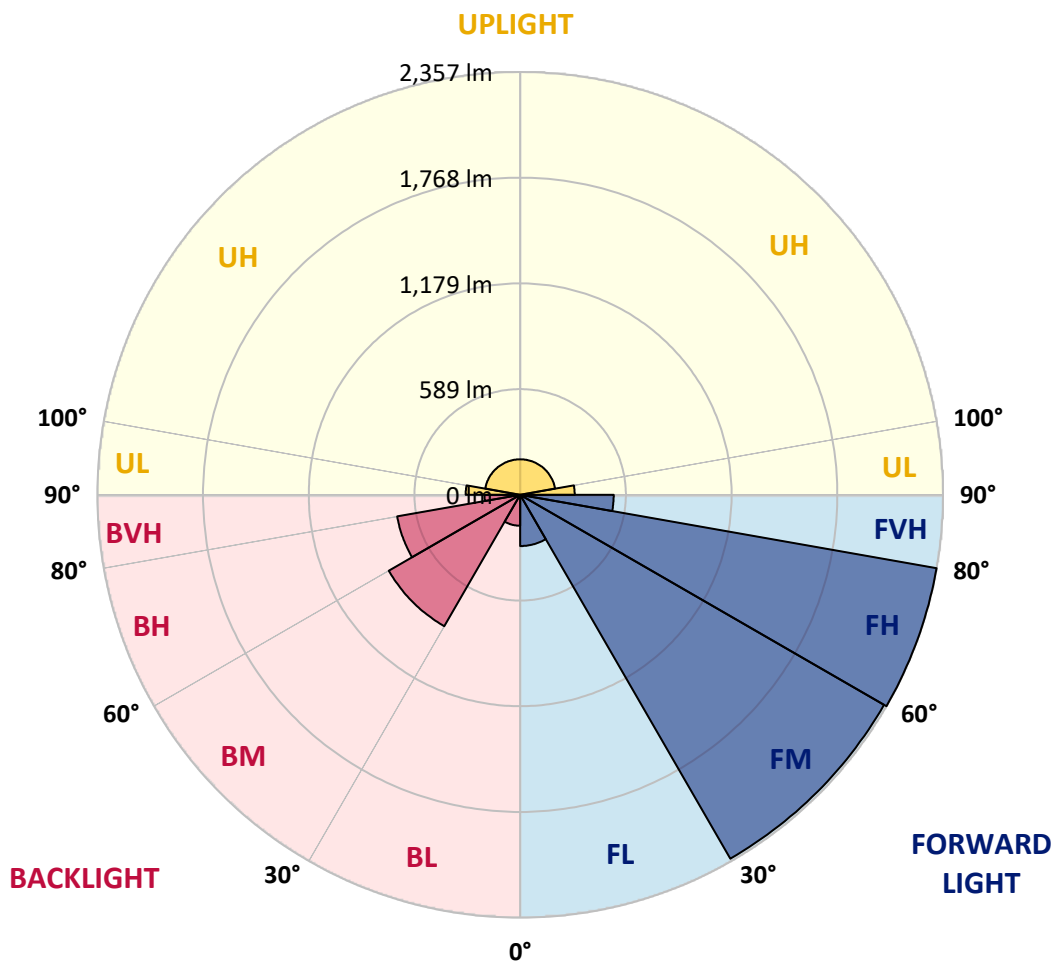
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.5	3.6			
FM	(30°-60°)	2342.2	29.4			
FH	(60°-80°)	2357.1	29.6			G2/5000
FVH	(80°-90°)	521.4	6.6			G4/750
BL	(0°-30°)	172.5	2.2	B1/500		
BM	(30°-60°)	846.1	10.6	B1/1000		
BH	(60°-80°)	696.1	8.7	B2/1000		G2/1000
BVH	(80°-90°)	199.3	2.5			G2/225
UL	(90°-100°)	303.9	3.8		U3/500	
UH	(100°-180°)	197.9	2.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	293.1	295.0	293.1	292.0	290.2	289.2	285.2	280.5	277.6	276.7	272.7
5°	323.1	325.9	324.1	321.1	318.2	314.3	308.5	300.8	295.0	294.0	286.3
7.5°	359.8	363.8	360.8	356.9	352.1	346.3	337.6	327.9	319.1	317.3	307.6
10°	412.0	411.1	407.2	401.4	394.7	388.9	378.1	363.8	353.0	351.0	337.6
12.5°	471.0	471.0	465.2	456.4	446.9	438.1	427.5	411.1	399.5	396.6	380.1
15°	537.8	540.8	532.0	522.3	508.7	496.1	486.5	469.0	455.6	452.7	432.3
17.5°	616.1	617.1	607.4	594.8	579.4	567.7	553.3	534.9	519.4	516.5	491.3
20°	706.1	705.0	693.5	676.1	658.8	648.0	629.7	609.3	591.9	590.0	560.1
22.5°	808.6	800.9	792.1	769.9	755.4	735.1	715.7	692.4	676.1	673.1	641.3
25°	923.7	913.1	904.3	875.2	854.1	829.9	809.6	789.3	775.7	769.9	732.1
27.5°	1053.3	1046.4	1029.1	993.2	960.4	930.5	914.9	895.6	881.1	878.2	839.5
30°	1198.3	1181.9	1163.6	1120.0	1075.5	1034.9	1019.4	1011.7	1001.1	997.2	953.8
32.5°	1342.5	1341.4	1314.4	1259.3	1201.3	1155.9	1141.3	1137.4	1127.8	1128.7	1076.5
35°	1512.7	1511.7	1478.0	1410.2	1337.7	1281.6	1271.9	1276.7	1273.9	1272.9	1213.9
37.5°	1693.6	1689.7	1652.0	1569.8	1479.8	1416.0	1409.2	1425.8	1438.3	1429.5	1360.9
40°	1880.3	1883.2	1832.0	1735.1	1629.7	1557.2	1553.3	1591.1	1604.6	1596.0	1514.7
42.5°	2061.1	2059.2	2010.8	1911.2	1781.6	1704.2	1707.1	1756.5	1773.0	1769.0	1679.1
45°	2236.2	2234.3	2190.7	2074.8	1937.2	1853.1	1867.7	1927.7	1959.6	1959.6	1852.2
47.5°	2389.9	2388.1	2350.2	2232.2	2087.3	2002.1	2025.3	2106.6	2159.8	2153.1	2026.3
50°	2515.7	2512.9	2486.7	2378.3	2229.4	2148.1	2187.8	2293.3	2358.1	2343.6	2204.3
52.5°	2596.0	2599.9	2587.3	2496.3	2357.0	2283.6	2344.4	2477.0	2548.6	2542.8	2385.1
55°	2634.7	2636.7	2652.0	2581.5	2459.7	2403.4	2493.6	2654.0	2742.1	2734.3	2559.3
57.5°	2616.3	2622.1	2663.7	2626.9	2530.2	2502.1	2626.9	2817.5	2922.9	2923.9	2713.0
60°	2538.9	2554.4	2618.3	2626.9	2565.1	2566.1	2737.2	2962.6	3083.6	3076.7	2840.7
62.5°	2409.2	2428.8	2521.4	2568.9	2547.6	2595.0	2809.7	3075.7	3199.5	3204.3	2932.6
65°	2230.4	2248.8	2361.0	2455.7	2481.0	2578.6	2841.8	3147.3	3278.9	3277.9	2964.5
66°	2145.3	2163.7	2283.6	2395.8	2440.3	2555.3	2839.7	3157.9	3289.5	3288.4	2959.8
67.5°	2005.0	2025.3	2150.1	2286.5	2360.0	2504.1	2817.5	3152.1	3283.7	3281.7	2927.7
70°	1745.9	1769.0	1908.3	2059.2	2182.0	2371.6	2728.5	3086.3	3212.1	3202.4	2809.7
72.5°	1475.0	1499.1	1638.5	1799.1	1972.1	2196.5	2568.9	2934.4	3047.7	3035.1	2612.4
75°	1209.9	1233.2	1370.5	1534.0	1721.6	1966.3	2344.4	2694.7	2784.6	2783.6	2346.5
77.5°	968.1	988.5	1111.2	1273.9	1463.4	1711.0	2068.9	2404.5	2478.0	2458.7	2030.1
80°	759.3	778.6	884.0	1030.1	1214.9	1445.9	1767.0	2053.4	2093.1	2081.4	1696.5
82.5°	589.0	606.4	698.2	825.0	991.4	1194.5	1449.9	1699.4	1717.8	1705.2	1373.4
85°	455.6	471.0	549.3	658.8	799.9	968.1	1172.3	1349.3	1366.8	1358.0	1085.2
87.5°	353.0	363.8	429.4	521.2	640.3	776.8	929.5	1065.9	1059.0	1050.4	839.5
90°	272.7	283.4	337.6	414.0	511.7	618.1	730.3	822.1	809.6	799.9	644.2
92.5°	211.9	219.6	266.9	330.8	410.0	491.3	570.7	629.7	613.2	606.4	491.3
95°	167.2	173.1	210.9	269.9	330.8	392.7	446.9	488.4	464.3	458.5	374.3
97.5°	134.4	138.3	170.2	217.7	268.9	316.3	353.0	370.4	352.1	347.2	285.2
100°	110.3	112.2	139.3	177.0	218.6	257.3	280.5	288.2	268.9	265.1	217.7
102.5°	90.9	92.9	115.0	148.9	181.8	208.9	223.4	228.3	204.1	201.1	168.3
105°	76.4	77.3	95.7	125.7	152.9	172.2	181.8	177.0	157.7	154.7	131.5
107.5°	65.8	66.7	80.3	107.4	129.6	144.1	149.9	143.1	122.8	119.9	103.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	57.1	57.1	68.8	90.9	110.3	122.8	124.8	114.1	96.7	94.8	83.1
112.5°	50.3	50.3	60.0	78.3	94.8	104.5	104.5	92.9	76.4	75.4	67.7
115°	45.5	45.5	52.2	67.7	82.2	89.9	88.1	75.4	62.0	60.9	56.0
117.5°	40.7	40.7	45.5	58.0	70.6	77.3	74.6	62.0	50.3	49.2	47.4
120°	36.7	36.7	40.7	49.2	60.9	65.8	62.9	51.3	41.6	40.7	39.7
122.5°	33.9	33.9	35.8	43.4	52.2	56.0	53.2	42.6	34.9	34.9	33.9
125°	30.9	30.9	32.9	37.7	44.5	48.4	44.5	34.9	29.1	29.1	29.9
127.5°	29.1	29.1	29.9	32.9	38.7	40.7	36.7	29.1	25.1	25.1	26.1
130°	26.1	26.1	27.1	29.1	31.9	33.9	29.9	24.1	22.3	21.3	22.3
132.5°	24.1	24.1	24.1	25.1	26.1	27.1	24.1	19.3	18.3	18.3	19.3
135°	21.3	22.3	21.3	21.3	21.3	21.3	18.3	15.6	15.6	15.6	16.4
137.5°	19.3	19.3	18.3	17.4	17.4	16.4	14.5	12.6	12.6	12.6	13.5
140°	16.4	16.4	16.4	14.5	12.6	11.6	9.8	9.8	10.6	10.6	11.6
142.5°	13.5	13.5	12.6	11.6	8.7	7.7	6.8	6.8	7.7	7.7	8.7
145°	10.6	10.6	9.8	7.7	5.8	3.9	3.9	3.9	4.8	4.8	5.8
147.5°	7.7	7.7	6.8	4.8	2.9	1.9	1.9	2.9	3.9	3.9	4.8
150°	4.8	4.8	3.9	2.9	1.0	0.0	1.0	1.9	2.9	2.9	3.9
152.5°	1.9	1.9	1.9	1.0	0.0	0.0	0.0	1.0	1.9	1.9	2.9
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	270.9	268.9	265.1	262.1	258.3	256.3	255.3	253.4	252.4	251.6	251.6
5°	282.4	278.6	271.8	265.1	259.2	253.4	250.5	247.6	244.7	242.8	242.8
7.5°	301.8	296.0	285.2	274.7	265.1	257.3	251.6	247.6	243.7	241.8	240.8
10°	328.9	321.1	306.6	292.0	278.6	266.9	259.2	254.3	250.5	247.6	246.6
12.5°	371.4	359.8	338.4	317.3	296.0	283.4	272.7	269.9	267.9	265.9	267.9
15°	420.7	406.2	380.1	352.1	325.9	305.6	296.9	295.0	293.1	292.0	292.0
17.5°	475.9	460.4	425.6	388.9	356.9	336.6	324.1	320.1	317.3	316.3	315.3
20°	542.6	522.3	477.8	430.4	392.7	370.4	353.0	346.3	343.4	343.4	343.4
22.5°	619.9	592.9	537.8	475.9	432.3	401.4	383.1	372.3	370.4	371.4	370.4
25°	707.0	674.1	603.5	527.1	470.1	431.3	408.2	398.5	395.6	397.4	397.4
27.5°	805.7	768.0	674.1	581.3	505.9	457.5	431.3	422.8	419.8	422.8	422.8
30°	909.1	866.7	747.7	632.6	536.8	478.8	449.7	442.9	440.1	442.9	443.9
32.5°	1032.9	969.1	825.0	681.9	565.9	496.1	465.2	459.4	456.4	460.4	460.4
35°	1160.7	1082.3	902.4	727.3	589.0	508.7	475.9	471.0	469.0	473.0	473.0
37.5°	1290.3	1205.1	981.7	768.0	606.4	517.5	483.6	479.7	478.8	478.8	479.7
40°	1432.4	1326.1	1057.2	800.9	619.1	522.3	488.4	483.6	482.6	481.8	481.8
42.5°	1579.5	1443.1	1124.9	826.0	624.9	523.3	488.4	485.5	484.6	480.7	479.7
45°	1730.3	1567.9	1188.7	843.4	626.7	521.2	487.6	484.6	483.6	476.8	475.9
47.5°	1884.1	1687.8	1240.9	851.1	621.9	517.5	484.6	481.8	479.7	469.0	469.0
50°	2035.9	1805.8	1285.4	852.1	614.1	510.7	480.7	479.7	475.9	463.3	461.4
52.5°	2184.9	1917.1	1318.3	845.3	601.6	503.9	476.8	476.8	472.0	458.5	456.4
55°	2325.1	2016.6	1337.7	829.9	587.0	495.2	472.0	473.0	468.1	453.7	451.7
57.5°	2447.1	2098.9	1340.6	806.7	570.7	486.5	467.2	469.0	466.2	449.7	447.9
60°	2544.7	2151.1	1327.1	778.6	551.3	475.9	461.4	465.2	462.2	446.9	445.9
62.5°	2597.9	2171.4	1293.2	743.8	532.0	466.2	453.7	460.4	458.5	442.9	442.1
65°	2601.8	2146.3	1237.1	704.1	511.7	454.6	446.9	452.7	452.7	439.1	438.1
66°	2587.3	2121.0	1209.1	688.7	502.9	449.7	442.9	449.7	450.7	438.1	436.2
67.5°	2541.8	2068.9	1160.7	661.6	489.4	442.1	436.2	443.9	444.9	434.3	431.3
70°	2415.1	1941.2	1072.6	617.1	467.2	426.5	423.6	431.3	433.3	424.6	421.7
72.5°	2220.7	1773.9	969.1	568.7	442.1	409.1	408.2	415.9	417.8	410.0	407.2
75°	1975.1	1554.3	855.1	521.2	414.9	389.8	388.9	394.7	397.4	391.7	386.9
77.5°	1694.6	1328.9	742.9	473.0	387.9	367.5	367.5	372.3	373.3	367.5	362.7
80°	1407.3	1106.5	641.3	424.6	359.8	342.4	342.4	344.2	345.3	339.5	333.7
82.5°	1137.4	902.4	543.6	378.1	327.9	314.3	313.3	313.3	312.4	307.6	300.8
85°	899.5	724.4	454.6	334.7	296.9	286.3	283.4	280.5	278.6	272.7	266.9
87.5°	703.2	576.5	383.1	294.0	265.9	257.3	253.4	249.5	244.7	237.9	230.2
90°	546.6	456.4	319.1	256.3	235.0	227.3	221.5	215.7	209.9	202.1	198.3
92.5°	423.6	360.8	266.9	220.4	206.1	200.2	194.4	186.8	178.9	171.2	167.2
95°	329.9	287.3	221.5	190.5	180.0	175.1	169.3	160.6	150.9	143.1	140.3
97.5°	257.3	228.3	184.7	164.4	157.7	151.9	146.1	137.3	126.7	118.0	116.1
100°	200.2	181.8	154.7	142.1	136.3	132.5	126.7	118.0	105.4	96.7	95.7
102.5°	158.7	146.1	129.6	122.8	119.0	115.0	109.3	100.6	88.1	78.3	78.3
105°	125.7	118.0	109.3	105.4	102.4	99.7	93.9	85.1	71.6	63.8	63.8
107.5°	101.6	95.7	91.9	89.9	88.9	86.1	81.3	71.6	59.0	52.2	52.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	82.2	79.3	77.3	77.3	76.4	75.4	69.6	60.0	48.4	42.6	43.4
112.5°	67.7	65.8	65.8	66.7	66.7	64.8	59.0	50.3	39.7	35.8	35.8
115°	56.0	55.1	56.0	57.1	58.0	56.0	50.3	41.6	31.9	29.9	29.9
117.5°	47.4	47.4	48.4	49.2	49.2	47.4	42.6	34.9	26.1	25.1	25.1
120°	40.7	40.7	40.7	41.6	42.6	40.7	35.8	28.1	21.3	21.3	21.3
122.5°	34.9	34.9	34.9	35.8	35.8	34.9	29.9	23.2	18.3	18.3	18.3
125°	29.9	29.9	29.9	30.9	30.9	29.1	24.1	19.3	15.6	15.6	15.6
127.5°	26.1	26.1	26.1	26.1	26.1	24.1	20.3	15.6	12.6	13.5	13.5
130°	23.2	23.2	22.3	22.3	21.3	20.3	16.4	12.6	10.6	11.6	11.6
132.5°	19.3	20.3	19.3	18.3	17.4	15.6	12.6	9.8	8.7	9.8	9.8
135°	16.4	17.4	16.4	14.5	13.5	12.6	9.8	7.7	7.7	7.7	7.7
137.5°	14.5	14.5	13.5	11.6	10.6	8.7	6.8	5.8	5.8	6.8	6.8
140°	11.6	11.6	10.6	8.7	7.7	5.8	3.9	3.9	4.8	4.8	4.8
142.5°	8.7	8.7	7.7	5.8	3.9	2.9	1.9	1.9	2.9	3.9	3.9
145°	5.8	5.8	5.8	3.9	2.9	1.0	0.0	1.0	1.9	1.9	1.9
147.5°	4.8	4.8	3.9	2.9	1.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	3.9	3.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	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)