

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: P157203

Luminaire Tested: **UTLD-F03-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157203
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-T4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5511.8 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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

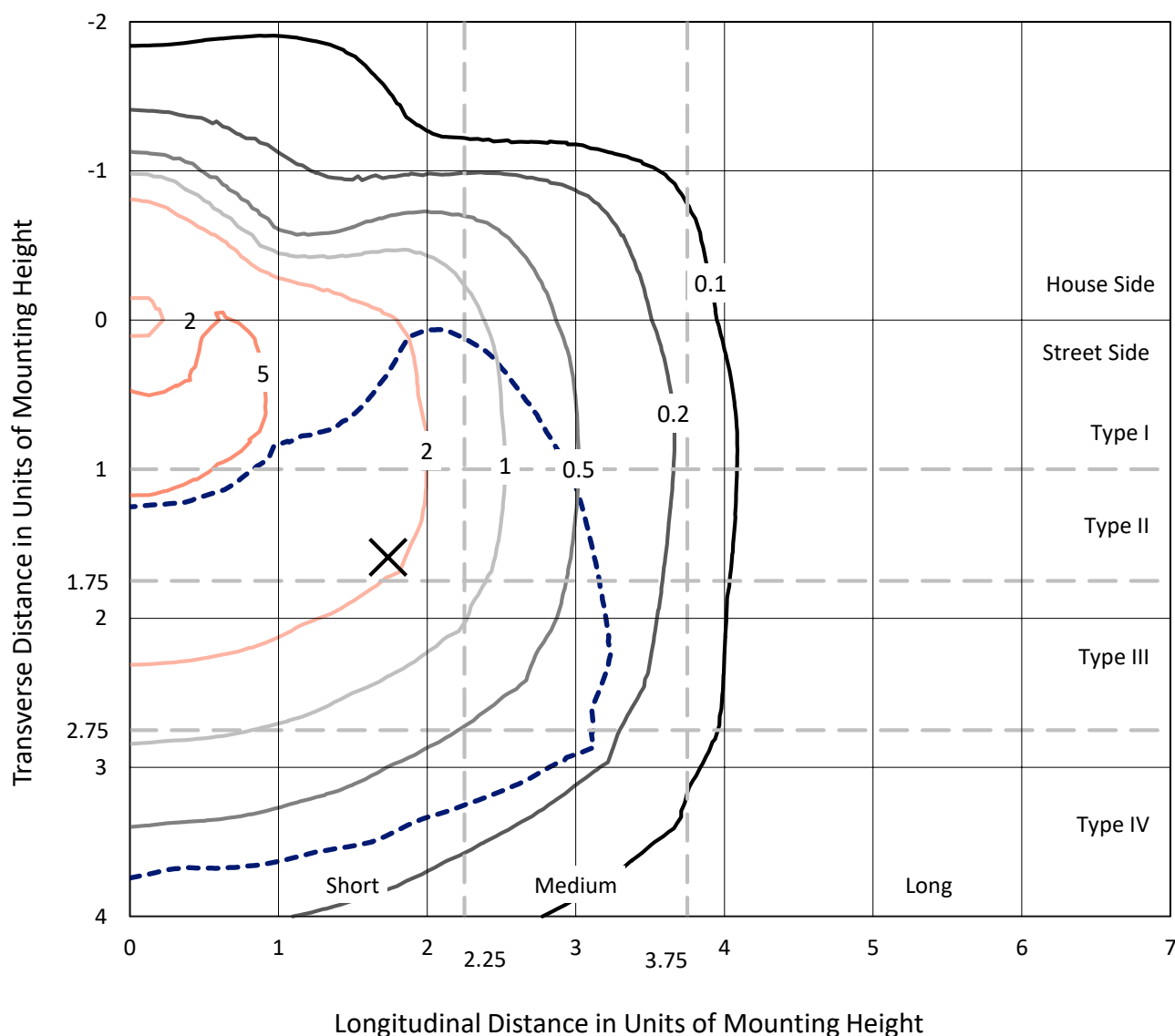


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

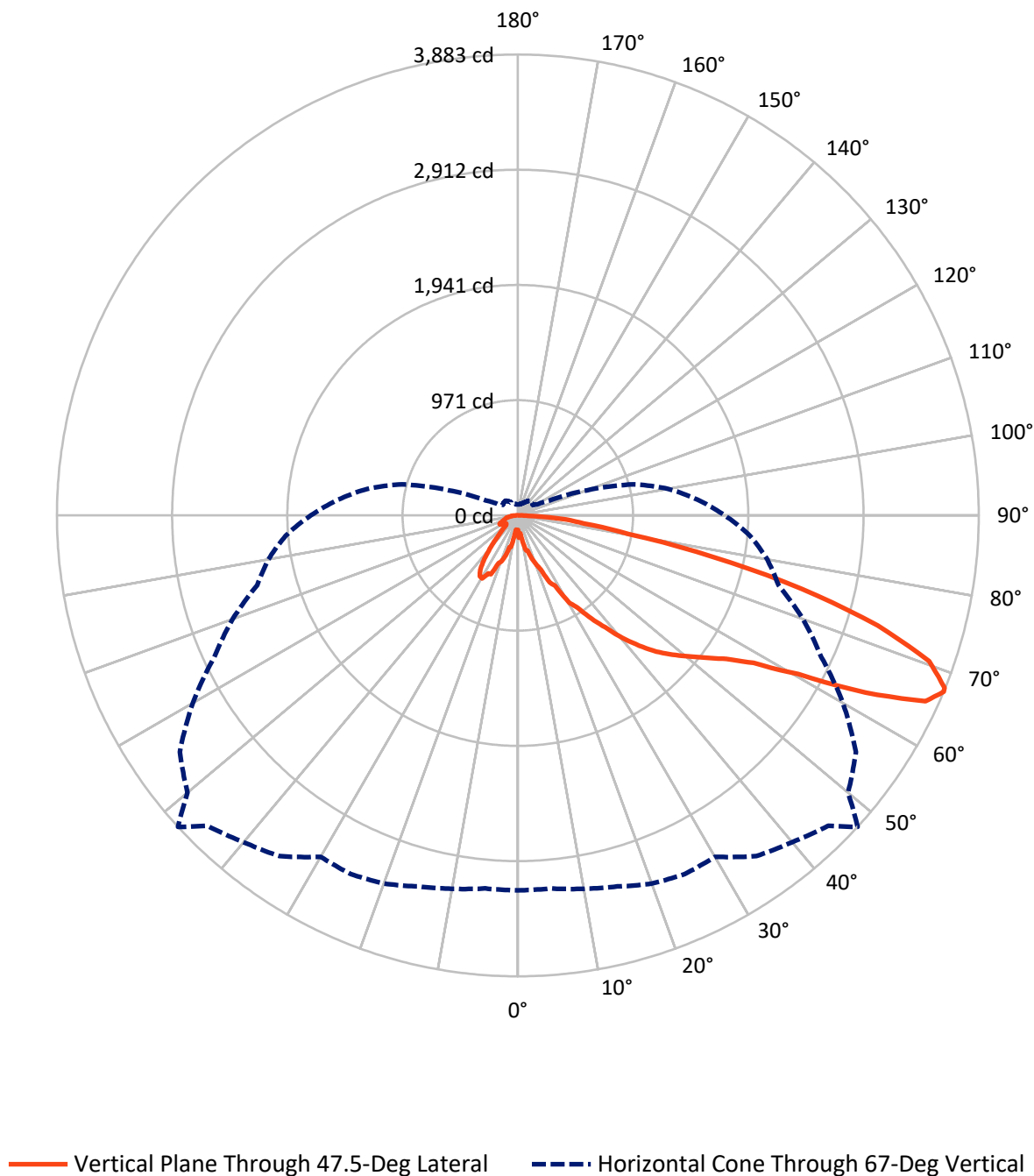


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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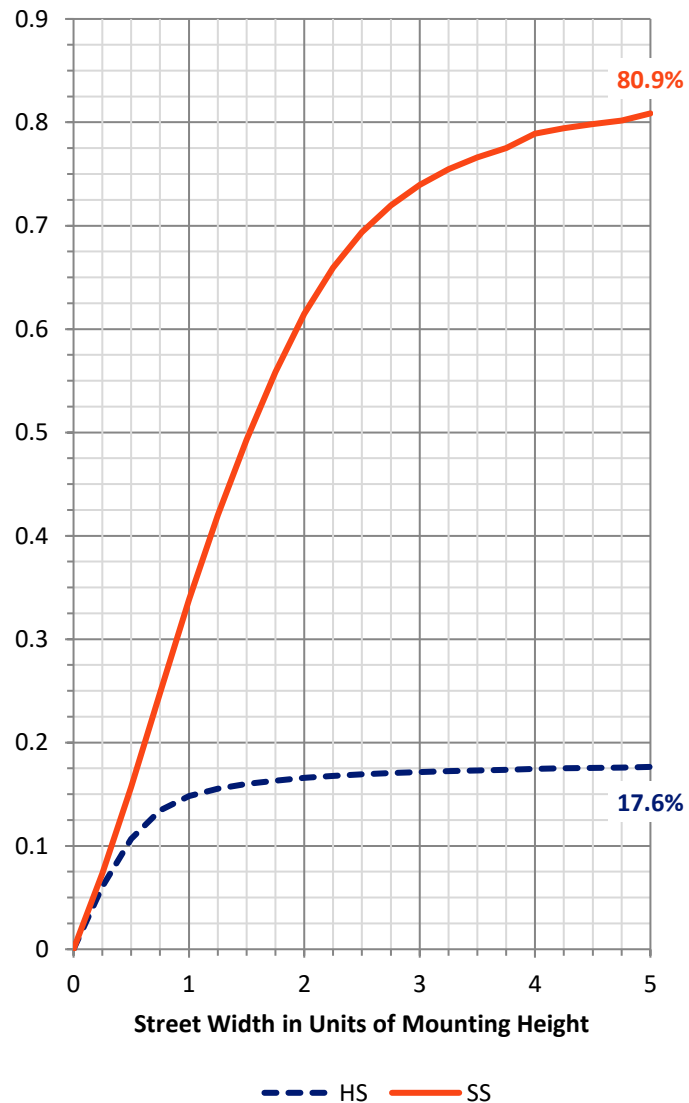
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.3	0.0	989.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4522.5	0.0	4522.5
	% Fixture	82.1	0.0	82.1
Total	Lumens	5511.8	0.0	5511.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.3
10°-20°	90.4	1.6
20°-30°	266.4	4.8
30°-40°	523.7	9.5
40°-50°	731.3	13.3
50°-60°	1019.6	18.5
60°-70°	1633.8	29.6
70°-80°	1048.1	19.0
80°-90°	182.3	3.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5511.8	100.0
0°-180°	5511.8	100.0

Coefficient of Utilization



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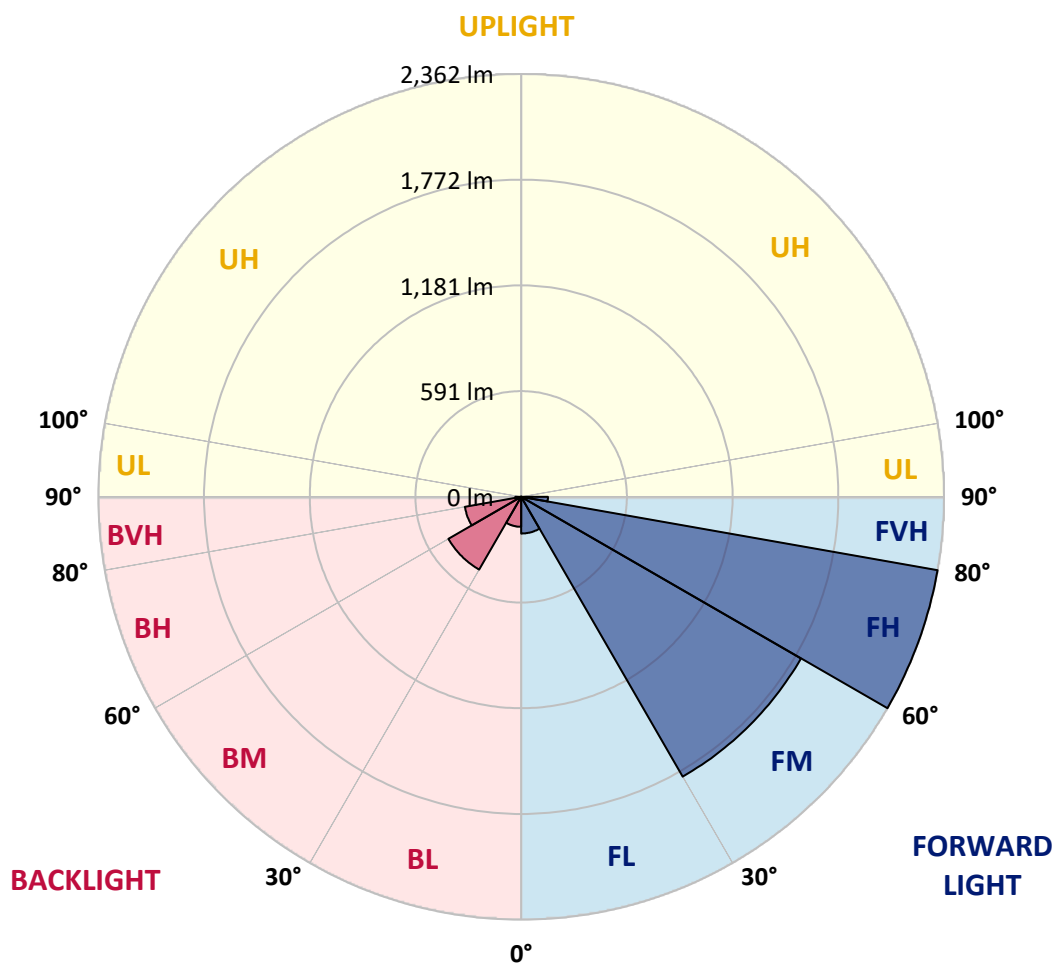
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.3	3.7			
FM	(30°-60°)	1805.3	32.8			
FH	(60°-80°)	2362.5	42.9			G2/5000
FVH	(80°-90°)	149.5	2.7			G2/225
BL	(0°-30°)	167.6	3.0	B1/500		
BM	(30°-60°)	469.4	8.5	B1/1000		
BH	(60°-80°)	319.4	5.8	B1/500		G1/500
BVH	(80°-90°)	32.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
2.5°	190.2	191.3	190.2	191.3	191.3	190.2	190.2	190.2	193.3	183.9	188.1
5°	150.5	151.5	151.5	151.5	151.5	151.5	152.6	155.7	152.6	153.6	153.6
7.5°	229.9	232.0	232.0	229.9	231.0	231.0	229.9	164.1	158.9	155.7	152.6
10°	235.1	237.2	237.2	233.1	234.1	235.1	235.1	234.1	232.0	224.7	223.7
12.5°	318.8	319.8	318.8	317.7	315.6	305.2	280.1	243.5	232.0	293.7	298.9
15°	341.7	340.7	338.6	333.4	330.3	325.0	318.8	371.0	364.7	315.6	309.4
17.5°	433.7	433.7	431.6	430.6	417.0	412.8	400.3	393.0	385.6	375.2	381.5
20°	525.7	520.5	474.5	449.4	433.7	480.7	479.7	466.1	477.6	438.9	437.9
22.5°	559.1	556.0	551.8	538.2	534.0	566.4	535.1	525.7	536.1	495.4	494.3
25°	689.8	688.7	669.9	659.5	627.1	610.3	621.8	613.5	584.2	583.2	626.0
27.5°	746.2	738.9	725.3	707.5	739.9	726.3	728.4	657.4	712.8	684.5	673.0
30°	891.5	894.6	870.6	878.9	871.6	806.8	785.9	805.8	802.6	780.7	850.7
32.5°	1073.3	1072.3	1046.1	999.1	935.4	922.8	935.4	917.6	911.3	907.1	928.1
35°	1274.0	1259.3	1169.5	1147.5	1112.0	1085.9	1075.4	1030.5	1049.3	998.1	1068.1
37.5°	1371.2	1373.3	1338.8	1338.8	1301.2	1262.5	1214.4	1219.6	1178.9	1147.5	1196.6
40°	1515.4	1520.6	1488.2	1470.5	1453.7	1393.1	1360.7	1336.7	1335.6	1307.4	1357.6
42.5°	1585.4	1593.8	1564.5	1555.1	1566.6	1526.9	1474.6	1473.6	1479.9	1441.2	1499.7
45°	1657.5	1668.0	1637.7	1650.2	1637.7	1631.4	1561.4	1596.9	1614.7	1571.8	1635.6
47.5°	1742.2	1755.8	1744.3	1737.0	1724.4	1724.4	1673.2	1697.2	1723.4	1686.8	1753.7
50°	1847.7	1857.1	1844.6	1841.5	1822.7	1819.5	1786.1	1802.8	1823.7	1786.1	1865.5
52.5°	1987.8	1989.9	1981.5	1962.7	1934.5	1940.8	1920.9	1921.9	1930.3	1905.2	1993.0
55°	2164.4	2166.5	2165.5	2121.6	2147.7	2099.6	2067.2	2073.5	2069.3	2049.4	2133.1
57.5°	2384.9	2398.5	2404.8	2366.1	2390.2	2301.3	2282.5	2271.0	2285.6	2240.7	2343.1
60°	2736.1	2757.0	2746.5	2740.3	2721.4	2638.9	2614.8	2648.3	2632.6	2592.9	2715.2
62.5°	3186.5	3181.3	3207.4	3203.2	3208.5	3125.9	3069.5	3151.0	3178.2	3193.8	3286.8
65°	3302.5	3303.6	3337.0	3345.4	3386.1	3377.8	3339.1	3481.2	3527.2	3593.1	3773.9
67°	3158.3	3154.1	3193.8	3235.6	3300.4	3332.8	3320.3	3503.2	3593.1	3697.6	3882.6
67.5°	3113.4	3105.0	3147.9	3202.2	3269.1	3308.8	3299.4	3488.6	3582.6	3696.5	3877.3
70°	2819.7	2790.4	2844.8	2917.9	2978.5	3069.5	3073.6	3253.4	3384.0	3506.3	3674.6
72.5°	2443.5	2404.8	2453.9	2509.3	2554.2	2659.8	2666.1	2783.1	2916.9	3016.2	3171.9
75°	1939.7	1889.5	1935.5	1962.7	1979.4	2065.1	2072.4	2174.9	2273.1	2349.4	2469.6
77.5°	1199.8	1166.3	1204.0	1248.9	1305.3	1343.0	1363.9	1426.6	1534.2	1619.9	1684.7
80°	600.9	625.0	664.7	725.3	772.3	838.2	865.3	869.5	914.5	908.2	949.0
82.5°	418.0	444.2	500.6	539.3	553.9	574.8	608.3	597.8	567.5	562.3	558.1
85°	106.6	166.2	305.2	370.0	384.6	406.5	436.9	454.6	407.6	368.9	376.2
87.5°	29.3	35.5	104.5	154.7	167.2	123.3	159.9	191.3	124.4	82.6	86.7
90°	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
2.5°	169.3	150.5	142.1	129.6	126.5	125.4	123.3	123.3	122.3	122.3	122.3
5°	156.8	173.5	188.1	192.3	183.9	136.9	132.7	125.4	124.4	124.4	125.4
7.5°	153.6	155.7	156.8	150.5	175.6	176.6	127.5	125.4	125.4	125.4	126.5
10°	223.7	166.2	209.0	216.3	221.6	258.1	255.0	193.3	186.0	190.2	196.5
12.5°	301.0	309.4	275.9	223.7	228.9	231.0	259.2	200.7	189.2	196.5	237.2
15°	308.3	307.3	321.9	360.6	313.5	304.1	324.0	278.0	275.9	259.2	303.1
17.5°	436.9	374.1	363.7	366.8	335.5	320.8	297.9	322.9	292.6	284.3	278.0
20°	453.6	416.0	397.1	463.0	503.7	460.9	437.9	445.2	419.1	403.4	400.3
22.5°	493.3	537.2	554.9	513.1	513.1	506.9	552.9	519.4	504.8	488.1	480.7
25°	642.7	571.7	627.1	672.0	650.1	633.3	598.8	610.3	563.3	562.3	541.4
27.5°	703.4	745.2	725.3	729.5	695.0	748.3	725.3	700.2	656.3	648.0	658.4
30°	859.1	816.2	835.0	849.7	834.0	830.9	806.8	771.3	739.9	716.9	713.8
32.5°	922.8	952.1	943.7	926.0	978.2	993.9	979.3	895.7	867.4	807.9	807.9
35°	1049.3	1034.7	1107.8	1090.0	1069.1	1049.3	1035.7	978.2	916.6	853.8	837.1
37.5°	1188.3	1204.0	1201.9	1167.4	1131.8	1095.3	1080.6	1025.2	956.3	899.8	824.6
40°	1331.5	1302.2	1287.6	1257.3	1192.5	1160.1	1138.1	1106.8	1001.2	937.5	827.7
42.5°	1465.2	1445.4	1376.4	1331.5	1284.4	1237.4	1175.7	1150.7	1044.1	962.5	817.3
45°	1588.6	1554.1	1479.9	1422.4	1345.0	1307.4	1220.7	1173.7	1091.1	964.6	789.1
47.5°	1692.0	1656.5	1581.2	1484.0	1413.0	1358.6	1277.1	1236.4	1136.0	988.7	789.1
50°	1792.4	1751.6	1670.1	1533.2	1469.4	1378.5	1334.6	1277.1	1192.5	1024.2	813.1
52.5°	1902.1	1853.0	1755.8	1600.1	1526.9	1438.1	1391.0	1343.0	1265.6	1073.3	852.8
55°	2038.0	1979.4	1853.0	1702.5	1598.0	1517.5	1472.6	1422.4	1341.9	1129.8	901.9
57.5°	2233.4	2150.8	2001.4	1863.4	1735.9	1666.9	1603.2	1534.2	1464.2	1229.0	982.4
60°	2567.8	2477.9	2285.6	2161.3	2022.3	1930.3	1828.9	1774.6	1666.9	1418.2	1115.1
62.5°	3123.8	3008.9	2827.0	2592.9	2394.3	2207.3	2101.7	2023.3	1863.4	1584.4	1285.5
65°	3536.6	3376.7	3133.2	2831.2	2592.9	2313.9	2211.4	2050.5	1859.2	1595.9	1334.6
67°	3631.7	3476.0	3162.5	2819.7	2556.3	2273.1	2133.1	1963.7	1743.2	1519.6	1287.6
67.5°	3629.6	3477.1	3146.8	2799.8	2535.4	2252.2	2101.7	1929.3	1704.6	1495.5	1272.9
70°	3421.7	3298.3	2942.0	2591.9	2315.9	2053.6	1856.1	1694.1	1480.9	1314.7	1121.4
72.5°	2912.7	2837.5	2510.3	2192.6	1937.6	1718.1	1567.7	1406.7	1214.4	1085.9	945.8
75°	2274.1	2167.5	1850.9	1603.2	1397.3	1251.0	1130.8	986.6	835.0	760.8	707.5
77.5°	1515.4	1410.9	1115.1	871.6	725.3	602.0	510.0	407.6	316.7	325.0	350.1
80°	823.5	739.9	533.0	384.6	313.5	254.0	213.2	163.0	119.1	143.2	163.0
82.5°	500.6	438.9	340.7	266.5	218.4	185.0	150.5	111.8	85.7	97.2	118.1
85°	348.0	307.3	243.5	191.3	155.7	124.4	97.2	72.1	67.9	74.2	84.7
87.5°	116.0	144.2	109.7	88.8	85.7	77.3	64.8	52.3	40.8	51.2	65.8
90°	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
2.5°	123.3	124.4	129.6	132.7	132.7	129.6	150.5	148.4	180.8	182.9	191.3
5°	133.8	134.8	175.6	190.2	191.3	165.1	128.5	123.3	121.2	120.2	123.3
7.5°	151.5	176.6	159.9	115.0	119.1	119.1	121.2	120.2	121.2	143.2	196.5
10°	254.0	190.2	179.8	153.6	124.4	133.8	193.3	194.4	197.5	205.9	206.9
12.5°	223.7	195.4	183.9	185.0	255.0	273.8	264.4	201.7	204.8	210.1	245.6
15°	259.2	256.1	270.7	267.5	260.2	277.0	273.8	327.1	336.5	287.4	288.4
17.5°	265.5	267.5	329.2	337.6	331.3	362.7	342.8	338.6	345.9	340.7	324.0
20°	400.3	445.2	431.6	363.7	375.2	416.0	405.5	348.0	398.2	402.4	373.1
22.5°	419.1	458.8	471.3	510.0	507.9	426.4	438.9	458.8	417.0	398.2	434.8
25°	562.3	600.9	620.8	565.4	512.1	557.0	533.0	456.7	475.5	444.2	444.2
27.5°	699.2	642.7	661.6	636.5	653.2	562.3	535.1	566.4	471.3	479.7	489.1
30°	729.5	715.9	729.5	699.2	655.3	639.6	581.1	554.9	562.3	492.2	486.0
32.5°	780.7	756.7	731.6	677.2	671.0	623.9	583.2	572.7	520.5	494.3	490.2
35°	774.4	719.0	701.3	666.8	617.7	580.0	540.3	511.1	472.4	465.1	459.8
37.5°	754.6	668.9	619.7	586.3	544.5	509.0	452.5	432.7	419.1	405.5	399.2
40°	724.3	616.6	534.0	482.8	440.0	402.4	365.8	347.0	337.6	342.8	349.1
42.5°	671.0	556.0	442.1	383.6	338.6	308.3	284.3	275.9	272.8	278.0	288.4
45°	629.2	479.7	356.4	289.5	251.9	232.0	215.3	209.0	213.2	217.4	222.6
47.5°	610.3	421.2	285.3	218.4	189.2	178.7	168.3	163.0	165.1	168.3	172.4
50°	605.1	387.7	238.3	172.4	152.6	142.1	134.8	132.7	133.8	132.7	134.8
52.5°	606.2	387.7	216.3	151.5	133.8	125.4	119.1	117.1	113.9	112.9	113.9
55°	628.1	398.2	211.1	147.4	130.6	121.2	115.0	113.9	109.7	106.6	105.6
57.5°	695.0	435.8	223.7	155.7	135.9	127.5	121.2	120.2	116.0	110.8	108.7
60°	827.7	518.4	257.1	174.5	149.4	142.1	138.0	136.9	130.6	123.3	117.1
62.5°	966.7	609.3	297.9	194.4	165.1	163.0	164.1	162.0	153.6	138.0	126.5
65°	1028.4	644.8	313.5	196.5	165.1	169.3	172.4	173.5	159.9	141.1	126.5
67°	1009.6	619.7	297.9	183.9	154.7	158.9	159.9	160.9	147.4	131.7	118.1
67.5°	1000.2	609.3	292.6	181.8	153.6	156.8	155.7	155.7	143.2	129.6	116.0
70°	903.0	538.2	258.1	168.3	143.2	139.0	130.6	130.6	121.2	113.9	106.6
72.5°	766.1	456.7	224.7	159.9	135.9	124.4	115.0	113.9	107.6	104.5	100.3
75°	585.3	355.3	197.5	151.5	128.5	115.0	104.5	105.6	99.3	98.2	96.1
77.5°	348.0	241.4	171.4	141.1	122.3	108.7	97.2	99.3	92.0	90.9	90.9
80°	173.5	160.9	142.1	122.3	106.6	96.1	84.7	84.7	79.4	78.4	81.5
82.5°	130.6	121.2	105.6	93.0	83.6	72.1	56.4	62.7	62.7	64.8	66.9
85°	97.2	86.7	75.2	65.8	60.6	54.3	43.9	48.1	49.1	53.3	55.4
87.5°	73.2	61.7	52.3	48.1	46.0	41.8	32.4	38.7	39.7	39.7	41.8
90°	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):

	160°	165°	170°	175°	180°
0°	122.3	122.3	122.3	122.3	122.3
2.5°	192.3	190.2	188.1	187.1	187.1
5°	121.2	118.1	118.1	118.1	117.1
7.5°	201.7	204.8	203.8	203.8	202.8
10°	206.9	205.9	206.9	205.9	206.9
12.5°	282.2	290.5	295.8	297.9	295.8
15°	297.9	296.8	297.9	298.9	297.9
17.5°	359.5	368.9	371.0	370.0	370.0
20°	354.3	362.7	363.7	368.9	363.7
22.5°	417.0	414.9	420.1	418.0	416.0
25°	437.9	419.1	465.1	468.2	465.1
27.5°	487.0	455.7	459.8	459.8	455.7
30°	505.8	492.2	495.4	499.6	498.5
32.5°	468.2	473.4	512.1	519.4	518.4
35°	460.9	468.2	463.0	469.3	490.2
37.5°	432.7	436.9	445.2	452.5	453.6
40°	377.3	394.0	406.5	411.8	416.0
42.5°	301.0	318.8	330.3	335.5	331.3
45°	234.1	245.6	255.0	258.1	255.0
47.5°	179.8	183.9	187.1	188.1	191.3
50°	138.0	138.0	139.0	136.9	136.9
52.5°	116.0	112.9	112.9	110.8	110.8
55°	105.6	103.5	102.4	100.3	100.3
57.5°	105.6	101.4	98.2	95.1	95.1
60°	109.7	102.4	96.1	93.0	92.0
62.5°	113.9	104.5	96.1	92.0	90.9
65°	111.8	103.5	96.1	92.0	90.9
67°	107.6	101.4	96.1	92.0	92.0
67.5°	106.6	101.4	96.1	92.0	90.9
70°	102.4	100.3	95.1	90.9	89.9
72.5°	98.2	96.1	90.9	86.7	85.7
75°	94.1	90.9	86.7	83.6	82.6
77.5°	88.8	84.7	80.5	76.3	74.2
80°	80.5	75.2	70.0	66.9	62.7
82.5°	67.9	66.9	60.6	56.4	52.3
85°	56.4	55.4	51.2	46.0	40.8
87.5°	42.8	43.9	40.8	35.5	25.1
90°	0.0	0.0	0.0	0.0	0.0

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