

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: P157175

Luminaire Tested: **UTLD-F03-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157175
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
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-T3
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6675.6 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - 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



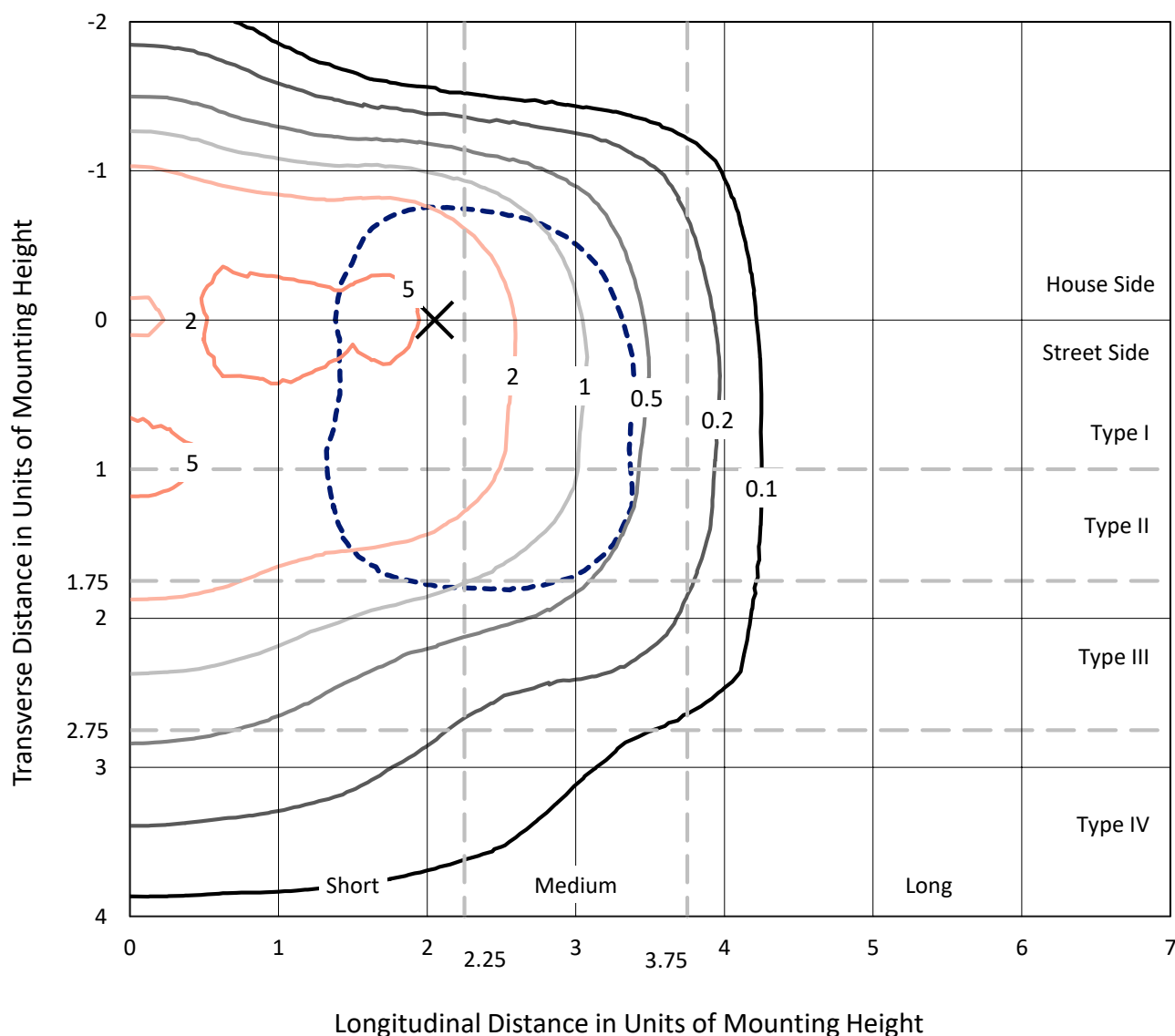
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

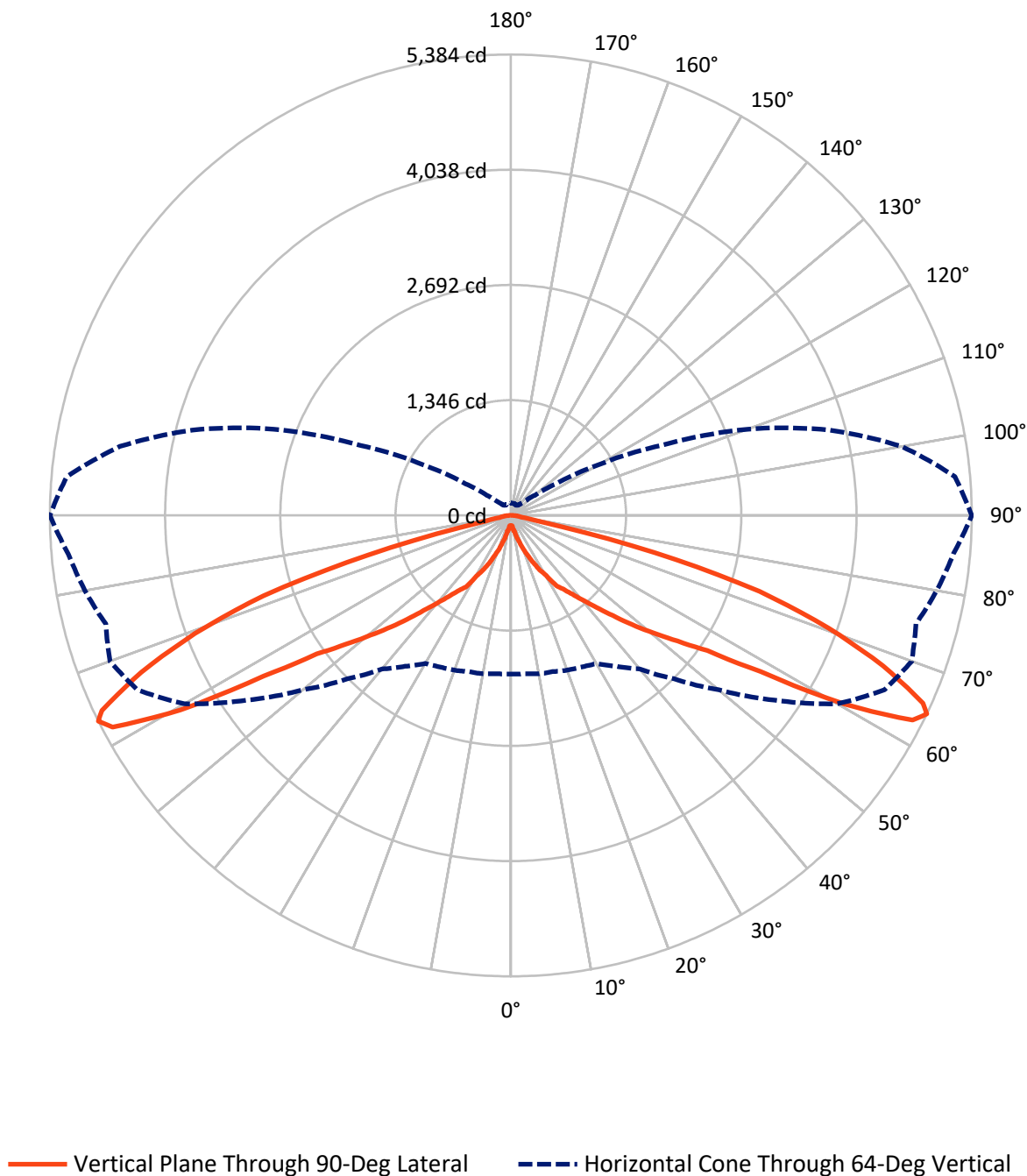


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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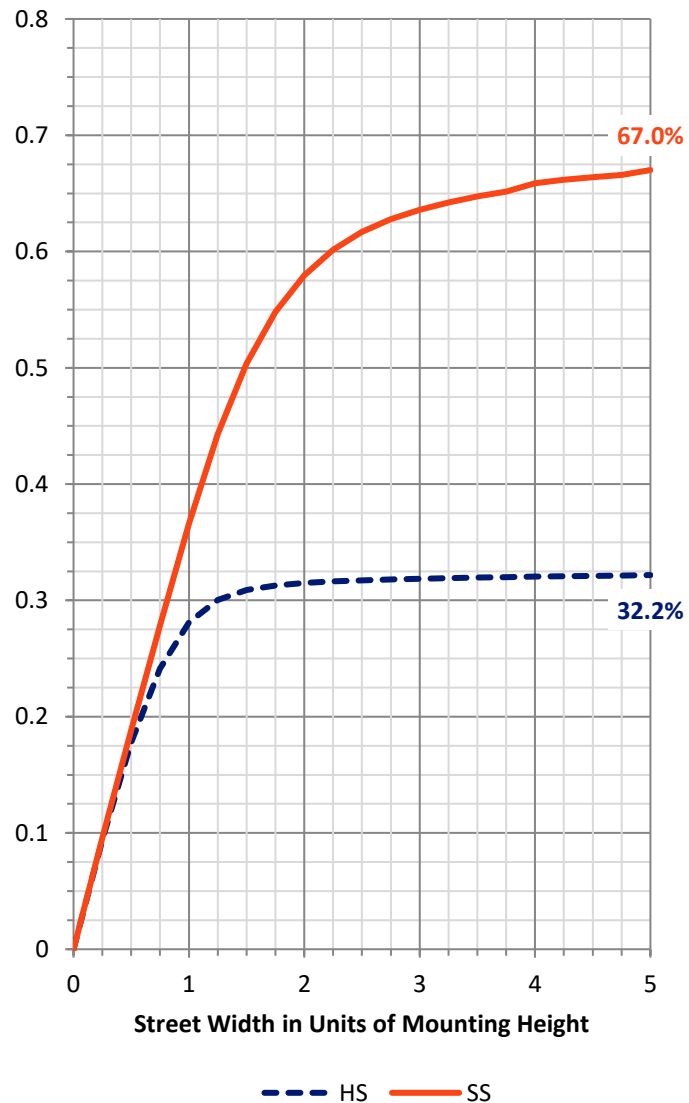
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2169.5	0.0	2169.5
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	4506.1	0.0	4506.1
	% Fixture	67.5	0.0	67.5
Total	Lumens	6675.6	0.0	6675.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.2
10°-20°	87.7	1.3
20°-30°	258.5	3.9
30°-40°	546.3	8.2
40°-50°	957.6	14.3
50°-60°	1525.0	22.8
60°-70°	2138.6	32.0
70°-80°	968.6	14.5
80°-90°	176.9	2.6
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°	6675.6	100.0
0°-180°	6675.6	100.0

Coefficient of Utilization



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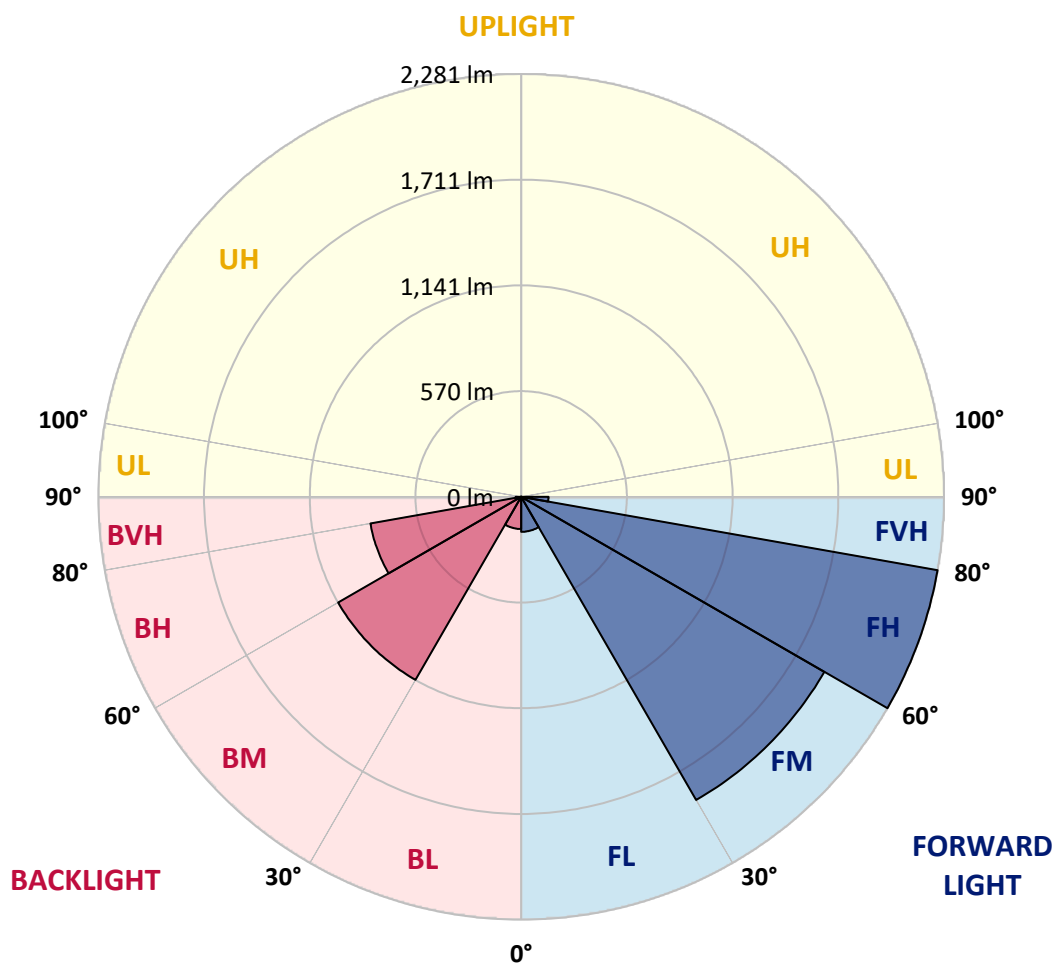
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.9	2.8			
FM	(30°-60°)	1888.6	28.3			
FH	(60°-80°)	2281.2	34.2			G2/5000
FVH	(80°-90°)	147.4	2.2			G2/225
BL	(0°-30°)	173.6	2.6	B1/500		
BM	(30°-60°)	1140.3	17.1	B2/2500		
BH	(60°-80°)	826.0	12.4	B2/1000		G2/1000
BVH	(80°-90°)	29.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6
2.5°	193.2	195.6	194.4	195.6	196.9	195.6	195.6	194.4	195.6	196.9	196.9
5°	157.3	158.5	158.5	157.3	158.5	158.5	158.5	158.5	158.5	158.5	158.5
7.5°	235.3	236.5	237.8	235.3	235.3	236.5	234.0	200.6	162.2	159.7	157.3
10°	235.3	236.5	236.5	234.0	235.3	236.5	236.5	235.3	227.8	226.6	226.6
12.5°	302.1	303.4	304.6	304.6	304.6	296.0	284.8	239.0	232.8	293.5	298.4
15°	305.9	305.9	305.9	300.9	300.9	296.0	299.7	354.2	350.4	308.3	303.4
17.5°	376.4	376.4	376.4	375.2	366.5	366.5	369.0	356.6	357.9	359.1	423.5
20°	458.2	460.6	427.2	391.3	377.7	421.0	422.3	414.8	455.7	406.2	427.2
22.5°	479.2	479.2	478.0	466.8	469.3	499.0	480.5	464.4	474.3	448.3	484.2
25°	569.6	569.6	562.2	552.3	537.4	523.8	538.7	536.2	513.9	511.4	570.9
27.5°	610.5	593.1	589.4	577.0	610.5	603.0	615.4	559.7	606.8	595.6	627.8
30°	700.9	699.6	687.2	698.4	698.4	669.9	647.6	673.6	683.5	662.5	735.5
32.5°	829.7	828.4	813.6	804.9	744.2	738.0	751.6	755.4	754.1	760.3	782.6
35°	969.6	968.3	886.6	870.5	848.2	843.3	842.0	822.2	845.8	816.0	875.5
37.5°	1062.5	1072.4	1025.3	1014.2	985.7	953.5	927.5	939.9	911.4	907.7	951.0
40°	1248.2	1251.9	1209.8	1175.1	1150.4	1077.3	1051.3	1043.9	1034.0	1021.6	1079.8
42.5°	1422.8	1417.8	1380.7	1353.4	1322.5	1251.9	1176.4	1167.7	1165.2	1154.1	1204.9
45°	1592.4	1596.2	1552.8	1540.4	1490.9	1446.3	1342.3	1343.5	1336.1	1323.7	1369.5
47.5°	1747.2	1755.9	1732.4	1694.0	1654.4	1618.4	1539.2	1534.2	1516.9	1520.6	1575.1
50°	1877.2	1893.3	1871.1	1842.6	1806.7	1781.9	1736.1	1724.9	1715.0	1724.9	1784.4
52.5°	1966.4	1980.0	1988.7	1952.8	1952.8	1920.6	1905.7	1894.6	1898.3	1928.0	1998.6
55°	2011.0	2023.4	2041.9	2017.2	2071.7	2024.6	2011.0	2027.1	2051.8	2105.1	2205.4
57.5°	2011.0	2018.4	2041.9	2046.9	2079.1	2045.7	2070.4	2105.1	2158.3	2251.2	2392.4
60°	1968.9	1975.1	2003.5	2007.3	2037.0	2029.6	2050.6	2149.7	2227.7	2381.2	2607.8
62.5°	1902.0	1905.7	1933.0	1940.4	1971.4	1986.2	2018.4	2162.0	2300.7	2568.2	2932.3
64°	1853.7	1856.2	1878.5	1889.6	1924.3	1952.8	1997.4	2152.1	2341.6	2699.5	3170.0
65°	1820.3	1820.3	1847.5	1852.5	1887.1	1924.3	1972.6	2128.6	2344.1	2749.0	3272.8
67.5°	1689.0	1682.8	1710.1	1722.5	1736.1	1765.8	1795.5	1957.7	2198.0	2671.0	3245.6
70°	1467.4	1452.5	1466.1	1456.2	1448.8	1435.2	1420.3	1533.0	1703.9	2179.4	2749.0
72.5°	1029.0	1029.0	1017.9	1041.4	1058.7	1076.1	1016.6	1030.3	1123.1	1430.2	1937.9
75°	691.0	698.4	718.2	775.2	830.9	881.7	901.5	902.7	824.7	848.2	1176.4
77.5°	409.9	426.0	440.8	507.7	579.5	686.0	780.1	871.8	892.8	880.4	851.9
80°	184.5	189.5	210.5	236.5	281.1	354.2	491.6	637.7	803.6	886.6	869.3
82.5°	63.2	69.3	83.0	99.1	117.6	149.8	222.9	300.9	459.4	651.3	809.8
85°	21.1	23.5	32.2	44.6	49.5	57.0	75.5	111.4	182.0	256.3	487.9
87.5°	8.7	11.1	14.9	22.3	24.8	24.8	26.0	33.4	33.4	33.4	133.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6
2.5°	162.2	149.8	132.5	128.8	123.8	122.6	121.4	121.4	120.1	121.4	121.4
5°	173.4	183.3	190.7	185.7	137.4	131.3	121.4	120.1	121.4	121.4	127.5
7.5°	157.3	157.3	149.8	172.1	173.4	128.8	118.9	121.4	122.6	123.8	143.6
10°	169.6	215.5	214.2	217.9	248.9	243.9	182.0	178.3	179.6	188.2	248.9
12.5°	302.1	279.9	220.4	230.3	227.8	252.6	194.4	187.0	191.9	239.0	232.8
15°	303.4	348.0	355.4	313.3	297.2	314.5	283.6	269.9	261.3	310.8	267.5
17.5°	360.3	356.6	364.1	335.6	317.0	312.0	341.8	334.3	320.7	298.4	277.4
20°	398.7	426.0	434.6	490.4	456.9	443.3	453.2	427.2	412.3	418.5	417.3
22.5°	489.1	527.5	499.0	510.2	520.1	554.8	542.4	502.7	512.7	515.1	499.0
25°	517.6	580.8	621.6	642.7	650.1	627.8	658.8	613.0	627.8	606.8	621.6
27.5°	641.4	645.1	677.3	669.9	720.7	746.7	745.4	720.7	726.9	739.3	755.4
30°	677.3	691.0	755.4	777.6	806.1	825.9	802.4	812.3	793.7	819.7	823.5
32.5°	790.0	777.6	801.2	895.3	960.9	994.3	960.9	980.7	959.7	968.3	925.0
35°	856.9	915.1	931.2	975.8	1025.3	1072.4	1062.5	1058.7	1056.3	1073.6	983.2
37.5°	994.3	1006.7	1015.4	1072.4	1116.9	1178.8	1181.3	1167.7	1191.2	1141.7	1063.7
40°	1084.7	1104.6	1115.7	1154.1	1244.5	1294.0	1331.2	1303.9	1337.4	1238.3	1182.6
42.5°	1219.7	1211.0	1230.9	1290.3	1401.7	1431.5	1483.5	1466.1	1516.9	1410.4	1300.2
45°	1396.8	1389.4	1393.1	1431.5	1582.5	1603.6	1655.6	1669.2	1694.0	1561.5	1448.8
47.5°	1596.2	1599.9	1599.9	1638.3	1762.1	1804.2	1863.6	1904.5	1895.8	1722.5	1609.8
50°	1820.3	1837.6	1811.6	1864.9	1957.7	2033.3	2066.7	2154.6	2122.4	1946.6	1821.5
52.5°	2067.9	2096.4	2072.9	2117.5	2205.4	2300.7	2356.5	2439.4	2383.7	2236.3	2015.9
55°	2313.1	2362.7	2389.9	2438.2	2550.9	2641.3	2666.0	2783.7	2705.7	2560.8	2228.9
57.5°	2570.7	2675.9	2773.8	2839.4	3028.9	3134.1	3187.4	3442.4	3347.1	3193.5	2680.9
60°	2903.8	3223.3	3489.5	3636.9	3887.0	3994.7	4207.7	4477.6	4409.5	4182.9	3490.7
62.5°	3449.9	4018.2	4424.4	4613.9	4673.3	4813.2	5012.6	5267.7	5162.4	4639.9	3916.7
64°	3761.9	4403.3	4815.7	4982.9	4898.7	5052.2	5188.4	5384.1	5207.0	4636.1	3851.1
65°	3894.4	4547.0	4942.0	5100.5	4930.9	5057.2	5169.8	5292.4	5070.8	4514.8	3690.1
67.5°	3927.8	4556.9	4909.8	5003.9	4722.8	4685.7	4704.3	4691.9	4394.7	3887.0	3151.4
70°	3425.1	4028.1	4522.2	4642.3	4265.9	4066.5	4056.6	3937.8	3635.6	3235.6	2595.5
72.5°	2645.0	3171.3	3660.4	3822.6	3467.2	3309.9	3272.8	3038.8	2787.4	2417.1	1955.3
75°	1791.8	2217.8	2360.2	2370.1	2085.3	2001.1	1946.6	1734.8	1516.9	1358.4	1146.7
77.5°	1052.5	1228.4	1098.4	967.1	757.8	537.4	400.0	333.1	364.1	362.8	341.8
80°	890.3	835.8	676.1	523.8	376.4	213.0	154.8	131.3	133.7	136.2	133.7
82.5°	957.2	1019.1	864.3	614.2	460.6	271.2	131.3	94.1	107.7	118.9	113.9
85°	811.1	994.3	926.2	663.7	494.1	284.8	92.9	61.9	79.3	97.8	104.0
87.5°	314.5	459.4	372.7	256.3	172.1	95.3	54.5	44.6	55.7	78.0	85.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6
2.5°	122.6	126.3	132.5	132.5	128.8	132.5	149.8	170.9	183.3	193.2	204.3
5°	127.5	167.2	194.4	198.1	193.2	139.9	130.0	130.0	135.0	139.9	128.8
7.5°	178.3	169.6	118.9	126.3	127.5	128.8	127.5	131.3	132.5	175.8	200.6
10°	203.1	184.5	179.6	149.8	139.9	195.6	195.6	196.9	204.3	205.6	204.3
12.5°	198.1	189.5	190.7	253.8	273.7	261.3	211.7	195.6	204.3	234.0	262.5
15°	265.0	282.3	299.7	262.5	274.9	266.2	313.3	325.7	268.7	265.0	273.7
17.5°	282.3	340.5	343.0	328.1	370.2	330.6	322.0	325.7	320.7	297.2	335.6
20°	465.6	433.4	403.7	370.2	401.2	388.8	381.4	385.1	381.4	382.6	338.1
22.5°	494.1	480.5	506.5	492.8	464.4	433.4	445.8	438.4	397.5	440.8	407.4
25°	642.7	632.8	577.0	513.9	557.2	492.8	463.1	492.8	485.4	452.0	452.0
27.5°	676.1	673.6	663.7	674.9	593.1	558.5	594.4	508.9	513.9	525.0	522.6
30°	782.6	781.4	698.4	708.3	703.3	642.7	619.1	627.8	569.6	559.7	582.0
32.5°	896.5	822.2	799.9	807.4	749.2	709.5	697.2	648.9	626.6	615.4	579.5
35°	946.1	943.6	923.8	853.2	830.9	756.6	745.4	689.7	668.7	661.2	642.7
37.5°	1011.7	1009.2	988.2	951.0	897.8	809.8	771.5	734.3	687.2	657.5	681.1
40°	1099.6	1081.0	1060.0	999.3	926.2	847.0	792.5	728.1	698.4	669.9	703.3
42.5°	1255.6	1172.7	1120.7	1043.9	946.1	850.7	790.0	728.1	671.2	662.5	667.4
45°	1393.1	1260.6	1171.4	1072.4	954.7	843.3	766.5	695.9	656.3	622.9	621.6
47.5°	1513.2	1360.9	1218.5	1094.6	949.8	823.5	731.8	656.3	606.8	574.6	559.7
50°	1625.9	1466.1	1266.8	1102.1	928.7	785.1	682.3	601.8	539.9	504.0	500.3
52.5°	1738.6	1540.4	1307.6	1090.9	887.9	726.9	610.5	525.0	458.2	428.4	422.3
55°	1898.3	1582.5	1328.7	1051.3	823.5	647.6	525.0	434.6	367.8	352.9	344.2
57.5°	2233.9	1720.0	1349.7	989.4	728.1	544.8	424.7	346.7	297.2	282.3	274.9
60°	2773.8	1982.5	1398.0	895.3	598.1	429.7	324.4	260.0	226.6	217.9	214.2
62.5°	3027.6	2051.8	1323.7	752.9	458.2	305.9	227.8	183.3	165.9	163.5	165.9
64°	2947.1	1934.2	1180.1	642.7	365.3	236.5	175.8	146.1	136.2	135.0	139.9
65°	2804.7	1800.5	1071.1	567.1	303.4	195.6	147.4	126.3	118.9	121.4	125.1
67.5°	2316.8	1391.8	725.6	339.3	175.8	120.1	100.3	90.4	91.6	94.1	99.1
70°	1809.1	932.4	395.0	175.8	105.3	81.7	75.5	71.8	74.3	78.0	83.0
72.5°	1240.8	521.3	188.2	100.3	78.0	65.6	64.4	63.2	65.6	69.3	74.3
75°	650.1	217.9	106.5	79.3	68.1	59.4	60.7	59.4	61.9	65.6	69.3
77.5°	205.6	117.6	89.2	73.1	64.4	55.7	57.0	58.2	60.7	63.2	65.6
80°	111.4	97.8	80.5	68.1	60.7	52.0	54.5	55.7	59.4	60.7	60.7
82.5°	101.5	85.4	70.6	61.9	58.2	50.8	55.7	55.7	55.7	55.7	55.7
85°	89.2	69.3	58.2	54.5	54.5	48.3	52.0	52.0	49.5	49.5	47.1
87.5°	69.3	50.8	49.5	54.5	50.8	34.7	44.6	42.1	38.4	38.4	37.1
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):

	165°	170°	175°	180°
0°	122.6	122.6	122.6	122.6
2.5°	203.1	204.3	199.4	199.4
5°	127.5	128.8	127.5	127.5
7.5°	208.0	205.6	213.0	205.6
10°	209.3	203.1	201.8	203.1
12.5°	272.4	272.4	273.7	273.7
15°	272.4	271.2	273.7	272.4
17.5°	341.8	344.2	345.5	344.2
20°	345.5	346.7	356.6	349.2
22.5°	409.9	417.3	417.3	416.1
25°	427.2	481.7	492.8	491.6
27.5°	490.4	496.6	497.8	496.6
30°	558.5	560.9	567.1	564.7
32.5°	588.2	627.8	635.2	632.8
35°	637.7	626.6	652.6	678.6
37.5°	667.4	663.7	669.9	668.7
40°	694.7	700.9	708.3	702.1
42.5°	668.7	665.0	668.7	666.2
45°	615.4	616.7	614.2	611.7
47.5°	548.6	548.6	546.1	546.1
50°	478.0	480.5	470.5	471.8
52.5°	403.7	406.2	398.7	391.3
55°	334.3	335.6	325.7	323.2
57.5°	269.9	273.7	265.0	261.3
60°	214.2	215.5	213.0	213.0
62.5°	169.6	167.2	164.7	165.9
64°	143.6	144.9	141.2	143.6
65°	128.8	131.3	128.8	131.3
67.5°	102.8	106.5	105.3	106.5
70°	87.9	89.2	87.9	87.9
72.5°	78.0	79.3	76.8	75.5
75°	73.1	71.8	70.6	69.3
77.5°	66.9	66.9	64.4	63.2
80°	59.4	58.2	55.7	53.2
82.5°	54.5	52.0	45.8	42.1
85°	45.8	42.1	34.7	27.2
87.5°	37.1	33.4	21.1	11.1
90°	0.0	0.0	0.0	0.0

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