

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: P157036

Luminaire Tested: **UTLD-F01-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157036
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33668)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-SL2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2241.2 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

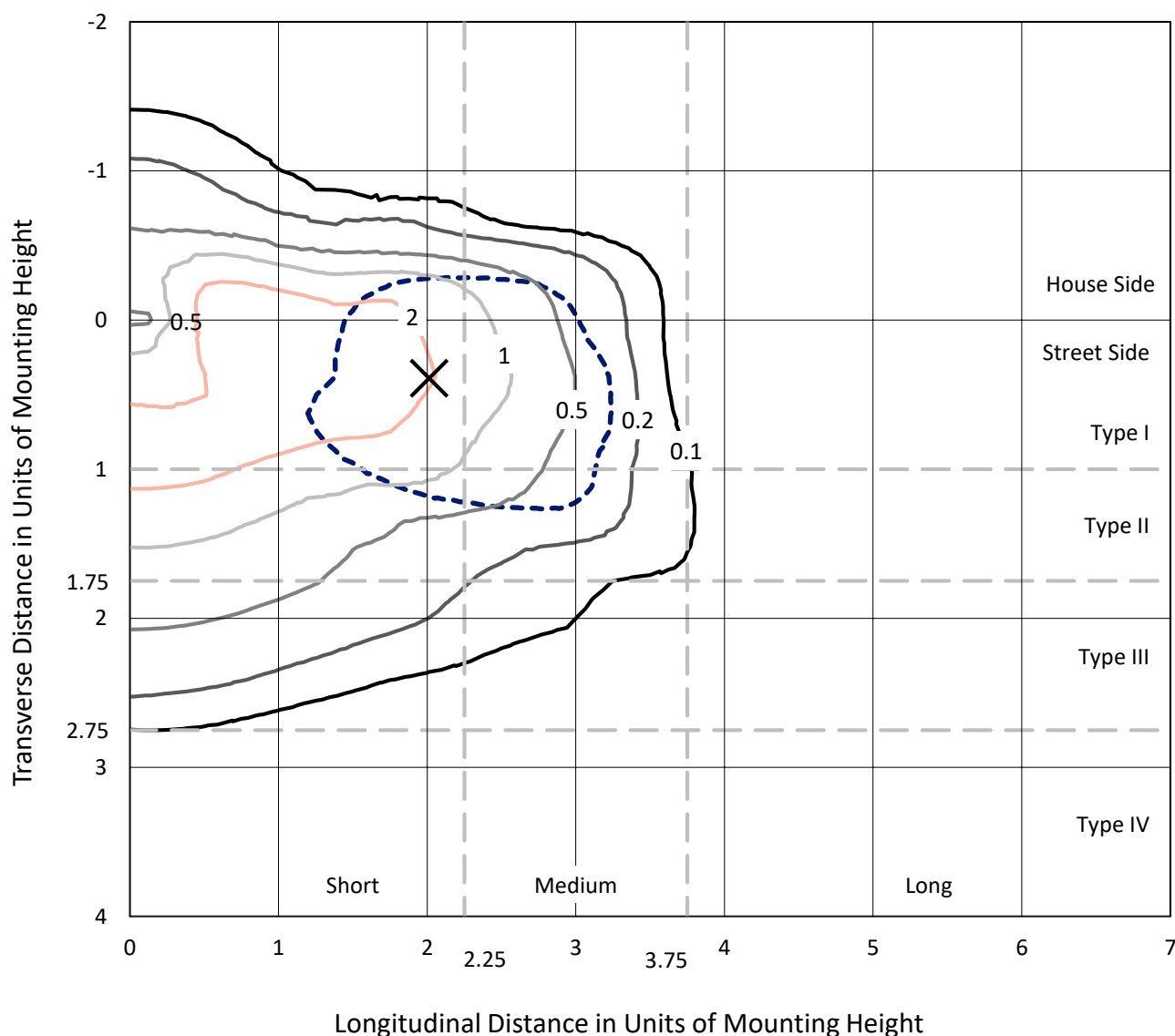


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

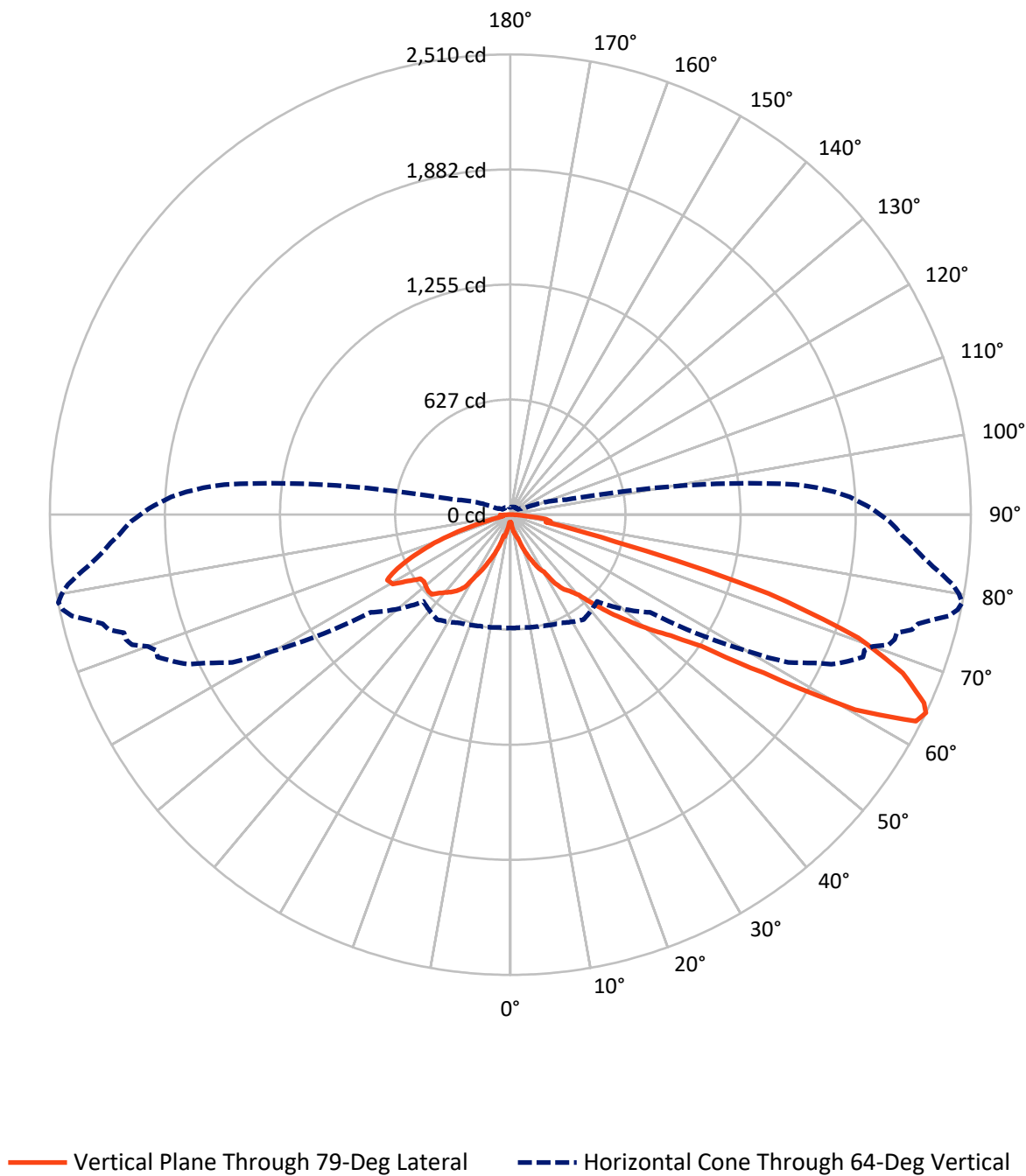


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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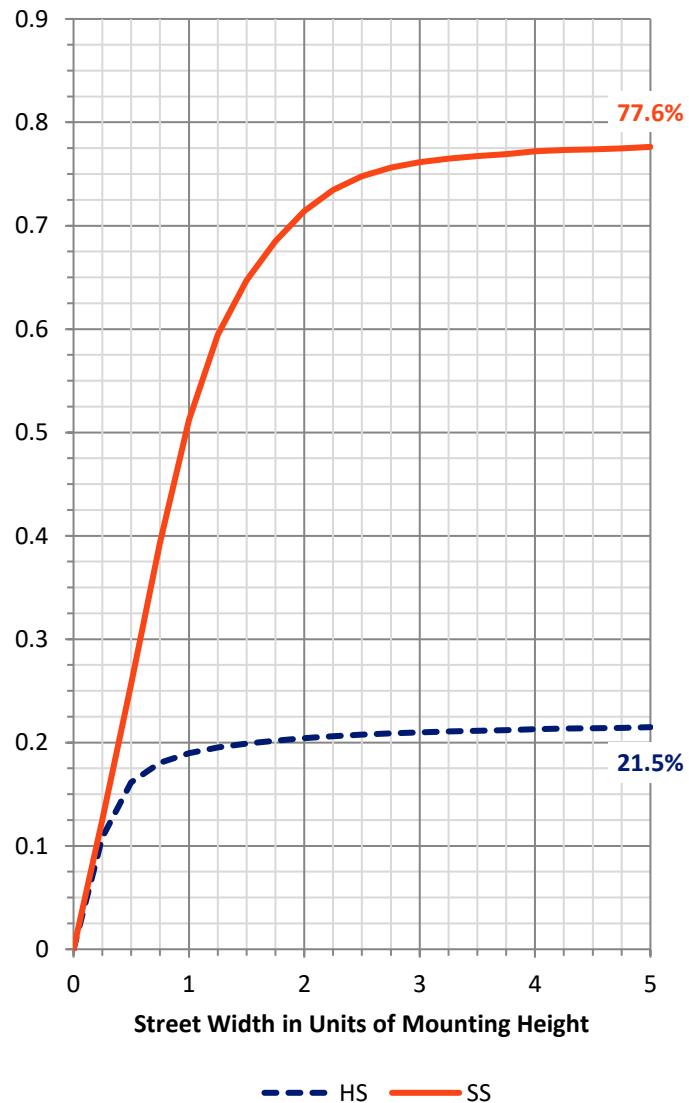
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	492.3	0.0	492.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	1748.8	0.0	1748.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	2241.2	0.0	2241.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.3
10°-20°	32.7	1.5
20°-30°	95.8	4.3
30°-40°	209.4	9.3
40°-50°	380.9	17.0
50°-60°	531.9	23.7
60°-70°	668.8	29.8
70°-80°	259.3	11.6
80°-90°	56.6	2.5
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°	2241.2	100.0
0°-180°	2241.2	100.0

Coefficient of Utilization



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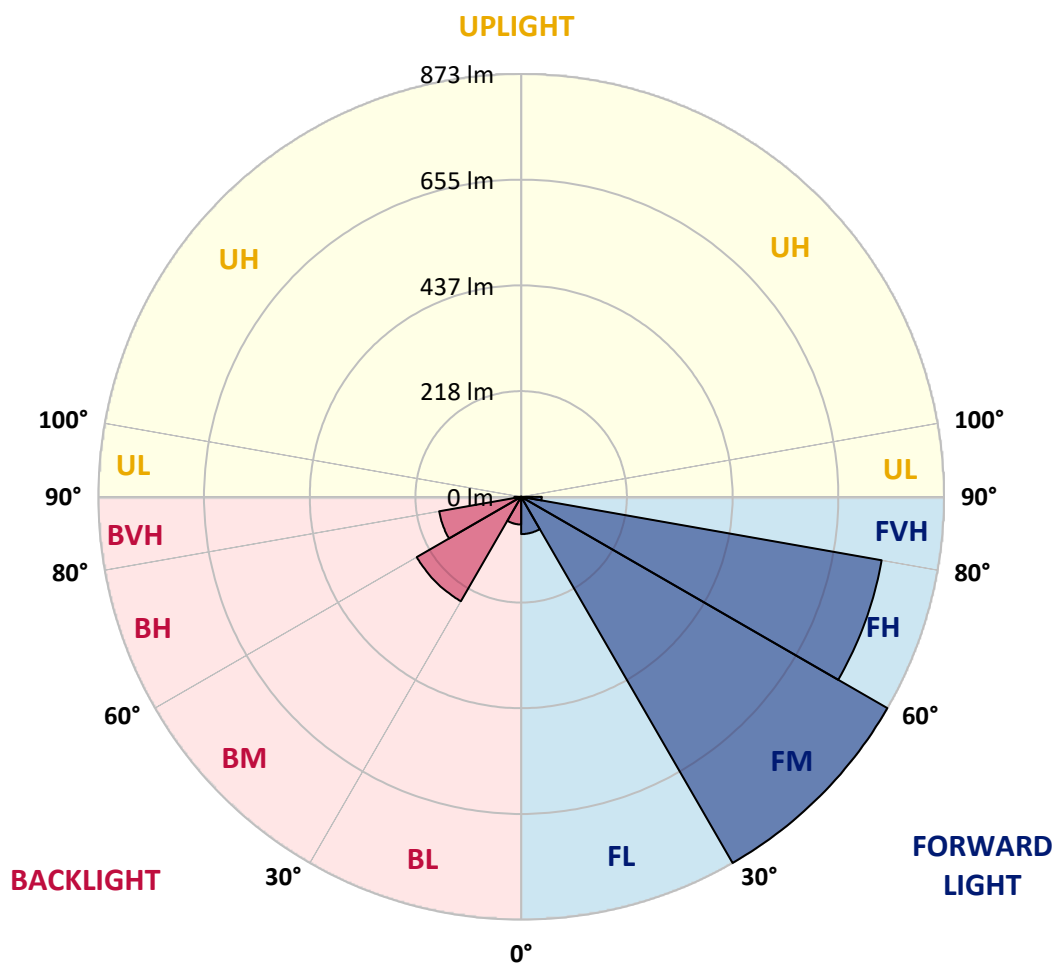
CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.0	3.4			
FM	(30°-60°)	873.3	39.0			
FH	(60°-80°)	756.0	33.7			G1/1800
FVH	(80°-90°)	42.5	1.9			G1/100
BL	(0°-30°)	57.2	2.6	B0/110		
BM	(30°-60°)	248.9	11.1	B1/1000		
BH	(60°-80°)	172.1	7.7	B1/500		G1/500
BVH	(80°-90°)	14.1	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	65.6	65.2	66.1	66.1	66.1	65.2	58.4	50.0	49.6	48.3	47.0
5°	54.2	54.2	54.2	54.6	55.1	55.9	59.3	63.5	65.6	66.1	66.5
7.5°	79.2	80.0	80.0	80.0	66.5	57.2	56.8	57.6	56.8	55.9	54.6
10°	81.3	81.7	81.7	82.6	83.0	81.7	69.9	79.2	79.2	79.6	80.0
12.5°	111.4	112.2	111.8	108.0	88.1	108.0	113.1	105.9	98.7	91.1	86.4
15°	118.2	119.9	116.5	113.1	134.7	126.6	119.4	137.6	137.6	138.9	142.7
17.5°	152.5	152.9	150.4	146.1	139.8	143.2	146.1	145.7	148.2	150.4	149.1
20°	183.0	179.2	157.6	169.0	166.9	165.6	166.0	180.9	182.1	183.0	186.8
22.5°	193.1	193.1	184.2	193.6	184.7	186.8	203.7	223.6	222.8	219.4	214.3
25°	235.5	236.3	216.0	200.3	204.6	209.7	219.8	250.3	246.5	250.7	252.9
27.5°	254.5	256.2	238.0	233.8	213.0	235.9	271.9	280.4	283.3	288.4	288.4
30°	305.8	306.6	294.8	261.3	254.1	257.1	293.9	306.2	310.5	316.0	336.7
32.5°	383.3	383.7	355.3	299.9	285.9	296.9	340.5	354.5	362.5	354.9	363.8
35°	507.0	503.2	450.2	405.3	370.6	343.1	386.3	435.4	430.3	431.6	435.8
37.5°	589.1	594.2	577.7	526.5	502.3	464.2	490.0	496.4	486.6	494.3	496.8
40°	654.4	661.6	654.8	629.4	606.1	589.1	620.5	598.5	584.5	585.8	576.0
42.5°	678.9	687.0	693.8	708.6	702.6	720.9	764.5	732.7	730.2	717.9	694.2
45°	695.9	703.5	725.5	755.2	764.5	812.3	887.7	875.0	884.3	857.7	843.3
47.5°	699.3	706.5	731.4	778.0	803.9	873.3	989.8	1002.5	1009.7	995.3	991.9
50°	669.6	675.5	702.2	757.7	795.4	900.0	1057.6	1104.2	1110.5	1114.3	1117.3
52.5°	623.4	630.6	655.6	702.6	750.5	887.7	1094.4	1184.2	1191.8	1208.4	1228.3
55°	605.2	611.2	626.8	665.0	701.4	837.3	1113.1	1252.0	1264.3	1293.1	1327.4
57.5°	602.7	608.6	622.6	635.3	675.5	778.5	1121.1	1328.6	1366.8	1413.3	1468.8
60°	624.7	627.3	633.6	634.0	652.7	733.6	1096.5	1423.1	1499.3	1567.5	1654.8
62.5°	639.5	641.7	651.4	669.2	664.1	688.7	1013.5	1484.5	1598.0	1698.8	1811.9
64°	617.9	617.9	629.4	651.4	697.6	669.6	929.2	1482.4	1606.9	1714.9	1843.7
65°	593.4	593.0	603.5	621.3	692.1	666.6	868.3	1446.8	1575.6	1684.0	1823.3
67.5°	482.0	465.5	475.2	497.7	583.6	673.4	716.6	1217.2	1349.4	1480.3	1640.8
70°	249.5	258.4	263.4	300.7	403.6	579.4	601.4	860.2	1010.6	1141.0	1362.5
72.5°	105.5	98.7	111.0	137.2	212.2	410.4	553.1	597.6	676.0	779.7	1014.8
75°	57.2	57.6	60.1	68.2	110.5	226.6	509.9	526.5	533.7	550.6	676.0
77.5°	42.4	42.4	43.6	43.6	57.6	117.7	406.6	497.7	498.9	487.9	516.7
80°	31.8	33.5	35.6	33.9	36.0	66.9	238.0	451.9	471.0	474.8	498.5
82.5°	26.3	27.1	31.8	30.5	28.4	40.2	111.8	342.2	395.6	426.9	485.4
85°	17.8	19.1	28.8	28.0	25.8	27.1	64.8	111.0	133.8	154.6	196.9
87.5°	7.2	9.3	18.6	16.9	17.8	15.2	39.8	58.4	64.4	73.3	91.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	46.2	45.3	44.9	44.0	43.6	43.2	43.6	42.8	42.4	42.8	41.9
5°	66.1	66.1	65.6	64.8	64.4	63.5	63.1	59.7	55.9	53.8	50.4
7.5°	55.1	55.1	55.9	58.0	60.1	62.3	63.5	64.0	63.5	64.0	64.0
10°	80.0	81.3	81.3	82.2	82.2	82.6	83.0	83.9	84.7	89.8	93.6
12.5°	86.0	86.4	86.4	86.8	88.5	90.2	90.2	91.5	90.6	90.2	89.4
15°	140.6	138.5	128.8	127.5	127.1	125.8	122.4	121.1	121.1	122.0	121.6
17.5°	150.4	151.6	149.9	147.8	145.7	141.0	133.0	133.8	133.0	133.8	135.5
20°	188.1	184.2	186.8	196.1	202.5	204.6	206.7	208.0	203.7	197.4	196.5
22.5°	212.2	210.1	215.2	216.9	217.3	221.5	222.4	225.3	236.8	234.6	236.8
25°	253.3	275.3	275.7	277.0	279.1	281.7	280.0	283.8	282.9	286.3	286.3
27.5°	294.8	293.1	294.8	296.5	294.4	293.1	297.3	297.3	305.4	300.7	301.6
30°	334.6	335.9	339.7	343.1	345.6	344.3	344.8	350.7	346.5	349.8	354.9
32.5°	362.5	367.6	376.9	379.5	403.6	399.8	410.4	415.5	419.7	426.5	432.9
35°	442.6	446.4	451.5	451.5	449.0	455.3	460.0	463.4	467.6	478.2	474.8
37.5°	498.1	498.5	500.2	489.2	496.4	499.4	499.4	506.6	514.2	514.6	507.0
40°	571.8	561.6	557.4	547.6	556.5	544.2	553.6	551.9	557.4	550.6	554.8
42.5°	683.2	667.9	644.2	640.8	633.2	626.4	618.4	625.1	613.3	618.4	631.5
45°	824.6	784.0	773.4	762.4	731.0	725.9	722.1	706.5	691.2	707.7	730.2
47.5°	972.4	927.5	913.1	892.4	871.6	845.0	829.3	796.7	789.1	809.8	824.6
50°	1097.0	1062.7	1065.2	1036.0	1010.1	992.8	949.6	917.0	915.3	922.5	915.3
52.5°	1206.2	1199.0	1200.3	1182.1	1164.7	1143.1	1091.0	1071.6	1058.4	1047.4	1018.2
55°	1315.1	1338.8	1336.7	1350.7	1346.9	1331.2	1294.3	1298.6	1293.5	1257.5	1228.3
57.5°	1495.1	1531.5	1554.4	1574.7	1617.9	1613.3	1606.1	1670.9	1668.3	1634.0	1647.6
60°	1730.6	1770.0	1828.0	1880.1	1928.4	1941.5	1982.6	2071.5	2063.9	2067.7	2112.6
62.5°	1908.5	1958.0	2019.9	2080.8	2080.0	2114.3	2196.9	2241.8	2233.3	2294.3	2329.9
64°	1930.1	1982.6	2027.5	2073.2	2066.9	2101.6	2180.4	2202.0	2202.4	2276.5	2300.7
65°	1898.3	1954.2	1986.8	2027.1	2019.4	2057.5	2135.9	2135.1	2147.3	2222.7	2243.9
67.5°	1703.5	1779.3	1806.0	1820.8	1829.3	1886.4	1929.2	1911.4	1964.4	1995.3	2046.5
70°	1436.6	1521.3	1567.9	1574.3	1603.9	1661.5	1692.9	1659.4	1724.6	1703.9	1793.3
72.5°	1133.0	1212.2	1282.0	1289.7	1340.1	1369.7	1366.8	1367.2	1377.3	1344.7	1419.3
75°	786.9	847.5	900.9	907.6	934.3	908.1	888.6	850.0	805.6	767.9	763.2
77.5°	535.8	555.7	550.6	530.7	509.1	474.8	447.7	440.1	411.7	399.8	375.3
80°	496.4	503.2	493.4	492.2	476.1	437.9	418.5	386.3	382.0	368.1	350.7
82.5°	496.4	499.8	501.5	511.2	489.6	460.4	426.9	379.1	362.5	325.3	302.8
85°	235.5	249.9	274.0	295.2	294.4	286.3	249.5	230.0	195.3	167.3	141.9
87.5°	105.0	116.9	130.4	135.5	140.2	135.5	122.8	111.0	91.1	71.2	58.9
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	41.9	41.9	41.9	41.9	41.5	41.5	41.5	41.5	41.5	41.1	41.1
5°	47.0	46.2	44.5	44.5	43.6	43.2	43.2	42.8	42.8	42.4	42.4
7.5°	63.5	63.1	61.8	56.8	49.1	46.2	43.6	43.6	43.2	43.6	44.5
10°	95.3	95.3	94.4	93.2	92.8	91.1	82.6	75.4	70.7	69.9	69.0
12.5°	90.6	92.8	98.3	101.2	101.2	100.8	100.0	97.4	85.6	78.4	76.7
15°	122.0	122.8	123.2	124.9	130.0	130.9	130.0	130.9	130.0	122.0	111.0
17.5°	137.2	134.3	134.3	135.5	140.6	138.1	143.2	158.4	161.4	148.7	149.9
20°	194.8	194.8	195.7	192.7	194.8	198.6	199.1	200.8	204.1	203.3	198.2
22.5°	231.3	228.3	235.5	238.9	240.1	239.7	239.3	238.5	240.1	242.7	240.6
25°	281.2	283.8	284.2	282.5	278.7	277.0	280.0	282.9	291.8	297.3	293.5
27.5°	310.9	318.5	338.0	333.7	331.2	334.2	336.3	343.5	340.5	338.4	344.3
30°	362.1	360.9	356.6	360.4	365.5	371.9	370.2	365.1	362.5	368.5	366.8
32.5°	430.7	425.7	433.7	445.1	453.2	446.4	441.7	447.7	447.7	441.3	448.5
35°	468.9	478.2	490.5	498.1	492.6	492.6	497.2	494.3	496.4	503.6	507.8
37.5°	515.0	530.3	537.9	530.3	532.0	542.1	542.6	546.8	551.0	559.1	570.9
40°	573.9	581.5	576.0	575.6	588.3	591.7	599.3	614.1	620.5	631.9	637.0
42.5°	646.7	648.9	649.7	665.0	667.1	670.9	690.4	703.9	720.4	725.1	718.7
45°	737.0	735.7	754.7	765.3	767.9	794.6	802.2	812.3	823.4	813.6	829.7
47.5°	819.1	839.9	864.4	865.3	886.9	904.3	911.0	920.3	911.5	921.6	909.8
50°	916.1	953.4	949.6	980.5	997.4	1000.8	1014.8	1001.2	1002.9	993.2	989.8
52.5°	1037.2	1052.9	1051.2	1094.4	1097.4	1109.2	1099.1	1091.0	1089.8	1077.1	1067.7
55°	1247.7	1227.0	1249.0	1265.1	1273.6	1278.2	1246.0	1260.0	1227.8	1227.4	1205.4
57.5°	1635.7	1631.9	1645.9	1628.1	1651.0	1614.9	1612.8	1584.5	1564.5	1564.1	1551.4
60°	2102.9	2162.2	2175.7	2158.8	2115.1	2098.2	2070.7	2046.5	2011.4	2014.3	1988.1
62.5°	2366.3	2448.0	2469.6	2480.7	2424.3	2398.9	2335.8	2295.6	2241.4	2224.0	2181.6
64°	2371.0	2452.7	2492.5	2509.5	2481.1	2441.3	2381.6	2321.0	2265.9	2220.6	2182.1
65°	2335.8	2406.1	2460.3	2477.3	2475.2	2422.6	2373.1	2301.5	2250.7	2188.0	2148.6
67.5°	2146.5	2208.7	2279.5	2307.4	2336.2	2318.0	2275.7	2206.2	2145.2	2069.8	2014.8
70°	1853.4	1907.6	1970.7	2011.4	2042.7	2058.0	2021.5	1968.2	1922.0	1833.5	1768.7
72.5°	1447.7	1456.5	1469.3	1470.9	1458.7	1452.7	1420.1	1423.9	1339.2	1285.4	1248.2
75°	719.2	689.5	617.5	590.8	529.8	493.8	452.3	435.8	392.6	380.3	347.3
77.5°	329.5	288.4	238.0	198.2	165.6	143.2	122.0	107.2	94.9	90.2	83.4
80°	322.7	290.1	251.2	221.9	187.6	156.7	127.5	100.0	80.5	68.6	61.0
82.5°	274.9	236.8	210.5	193.1	171.5	149.9	122.8	99.1	76.2	58.9	47.9
85°	112.7	91.9	77.9	70.7	63.1	55.5	47.9	41.1	36.8	31.3	28.4
87.5°	48.3	42.4	39.0	38.5	36.8	35.6	34.3	32.6	28.8	26.7	24.1
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
5°	42.4	42.4	41.9	41.9	41.9	41.9	42.4	41.9	41.9	41.9	41.9
7.5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.3	44.9	44.9	45.3
10°	68.6	68.2	66.5	66.1	65.2	65.2	65.2	65.6	67.3	68.2	69.0
12.5°	75.0	75.8	76.7	75.0	75.8	73.7	75.0	75.8	75.4	75.8	75.0
15°	111.8	111.8	111.4	111.0	109.7	108.4	108.0	108.0	107.2	106.3	107.2
17.5°	148.2	148.2	146.1	144.4	144.4	135.5	141.9	139.8	141.0	135.1	151.2
20°	185.9	185.1	186.4	189.3	190.6	188.5	185.5	182.1	181.3	186.8	193.6
22.5°	240.1	238.5	233.8	227.9	227.0	226.6	232.1	232.1	232.5	235.1	239.3
25°	287.6	278.3	274.5	278.7	280.0	274.0	274.0	276.1	287.6	291.8	292.2
27.5°	345.6	342.6	340.1	335.0	332.9	341.4	346.0	340.9	339.3	345.6	345.6
30°	369.3	376.1	375.7	380.8	384.6	374.0	368.5	382.0	380.8	371.0	376.5
32.5°	456.2	459.5	464.2	470.6	465.9	472.7	465.5	460.0	468.9	467.2	460.8
35°	507.4	516.7	516.7	517.1	529.8	527.3	524.3	522.6	515.9	520.5	523.5
37.5°	570.1	564.2	569.2	575.6	578.1	581.1	581.9	584.1	575.2	569.2	560.8
40°	631.5	638.7	632.3	634.0	639.1	638.3	641.7	646.3	633.6	624.7	612.9
42.5°	723.8	721.3	719.6	717.0	711.1	717.0	711.1	697.6	700.5	687.4	670.5
45°	820.8	815.7	816.2	808.1	802.2	786.1	781.4	777.6	761.5	751.8	725.1
47.5°	910.6	906.8	893.2	896.2	878.0	858.9	847.1	841.1	819.1	792.9	776.8
50°	987.7	977.5	977.9	958.5	945.3	930.5	911.9	889.0	864.9	840.3	805.6
52.5°	1057.6	1056.7	1044.4	1030.9	1011.4	1003.4	971.6	939.0	909.8	880.5	841.6
55°	1219.8	1205.0	1179.1	1172.4	1163.0	1114.3	1090.6	1050.8	1005.5	969.9	917.8
57.5°	1555.2	1535.7	1505.3	1502.3	1445.1	1406.1	1351.5	1304.9	1243.1	1182.5	1105.9
60°	1955.5	1926.7	1928.8	1884.7	1836.0	1789.4	1721.3	1655.2	1569.6	1465.9	1337.5
62.5°	2143.5	2115.6	2091.4	2041.5	1989.8	1938.5	1882.2	1793.7	1711.1	1590.0	1430.7
64°	2137.2	2102.9	2066.0	2015.6	1969.0	1909.3	1852.1	1771.7	1678.5	1566.2	1398.1
65°	2106.3	2068.1	2020.7	1972.4	1916.5	1861.0	1804.7	1731.8	1628.9	1520.1	1350.7
67.5°	1960.6	1911.4	1860.6	1814.0	1755.1	1700.1	1649.7	1584.0	1477.3	1360.4	1208.4
70°	1720.8	1660.3	1604.4	1574.3	1531.5	1482.4	1421.4	1366.3	1267.6	1151.6	1013.5
72.5°	1181.7	1111.8	1072.8	1085.5	1042.8	1027.5	1013.1	969.9	883.5	800.1	711.5
75°	369.7	341.8	323.2	346.0	330.4	355.8	347.7	340.1	317.2	307.5	276.6
77.5°	83.9	80.0	78.4	77.5	77.9	77.5	76.2	75.8	74.5	75.4	73.3
80°	58.0	55.5	54.6	53.4	52.5	51.2	50.0	49.6	49.1	48.3	47.9
82.5°	41.9	38.5	38.1	37.3	36.8	36.0	35.6	36.4	36.0	37.3	37.3
85°	27.1	25.4	24.6	25.0	24.6	25.4	25.8	26.7	28.0	29.2	31.3
87.5°	22.4	21.2	21.2	21.6	22.4	23.3	25.4	28.0	30.1	33.5	37.3
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.9	42.4	44.5
5°	41.9	42.4	41.9	42.4	42.4	42.4	42.8	42.8	53.8	65.2	45.7
7.5°	44.9	45.3	44.9	44.5	44.0	43.6	45.7	47.9	60.1	42.8	41.9
10°	69.5	69.9	70.3	74.5	80.9	89.8	91.5	91.5	66.5	58.0	65.2
12.5°	75.0	77.9	90.6	95.3	95.3	95.3	94.4	89.4	70.3	91.9	91.5
15°	114.8	124.1	124.5	124.9	124.5	116.5	108.8	106.7	109.7	98.7	94.0
17.5°	147.0	130.0	141.9	118.6	111.8	113.5	115.2	117.7	133.8	124.9	115.6
20°	196.9	197.4	185.5	181.3	178.3	177.9	178.7	180.4	170.3	140.2	129.2
22.5°	235.1	228.7	230.8	233.8	231.3	225.3	222.8	219.8	201.6	185.1	136.4
25°	282.5	281.2	278.3	277.8	284.2	288.0	285.0	280.8	252.0	185.9	145.7
27.5°	344.8	347.3	346.5	337.6	333.3	339.3	333.3	320.6	282.5	230.8	150.4
30°	376.9	382.9	385.8	385.4	375.3	375.3	372.3	380.8	310.9	224.9	154.2
32.5°	464.2	464.6	463.4	463.8	462.1	447.7	432.9	424.8	306.6	230.0	147.0
35°	512.1	508.2	509.1	500.6	490.5	479.9	464.2	444.7	328.2	210.9	129.6
37.5°	563.7	549.8	534.9	527.7	512.9	500.2	488.3	465.0	317.7	195.3	111.0
40°	599.7	595.5	567.5	549.3	539.2	519.3	498.9	484.1	297.7	162.2	94.0
42.5°	642.5	624.3	611.2	575.6	552.7	537.0	508.2	481.1	266.4	131.3	81.7
45°	695.9	660.7	632.3	609.5	561.6	532.0	504.9	472.2	226.6	107.2	74.1
47.5°	738.6	700.5	651.8	611.6	572.2	513.8	482.8	445.1	188.9	92.3	69.0
50°	775.1	721.3	666.2	604.0	553.1	492.6	443.0	412.9	155.9	80.5	63.1
52.5°	797.1	737.4	669.6	595.1	523.5	467.6	412.9	370.2	130.9	72.0	57.2
55°	844.1	778.0	690.8	601.4	515.4	447.3	397.3	344.8	116.0	64.4	52.5
57.5°	1002.5	890.3	781.9	663.3	558.6	471.0	410.8	354.1	108.0	58.9	48.7
60°	1203.7	1051.2	896.6	744.2	615.0	509.5	427.3	368.1	99.5	55.5	46.6
62.5°	1268.9	1092.3	914.8	759.0	611.2	498.1	412.9	347.7	87.2	52.9	46.2
64°	1224.9	1046.6	874.6	716.2	576.0	464.2	382.0	315.1	78.8	52.1	47.9
65°	1174.5	998.7	836.9	682.3	545.5	434.5	353.7	291.4	73.3	51.7	49.6
67.5°	1028.8	866.6	711.1	566.3	447.3	351.5	274.0	219.0	61.4	52.9	55.5
70°	864.0	699.7	570.1	441.3	339.7	258.4	194.0	149.9	53.4	56.3	60.1
72.5°	612.9	476.5	392.6	296.5	224.1	163.5	123.7	94.4	47.0	54.6	55.9
75°	242.7	203.3	162.6	126.6	103.3	84.7	71.2	58.0	42.4	48.7	44.0
77.5°	68.2	64.0	59.3	53.4	50.0	47.0	44.0	41.9	38.1	41.1	33.0
80°	45.7	44.0	42.8	41.5	40.7	39.4	38.5	38.1	35.2	34.3	24.6
82.5°	36.8	36.8	37.3	37.3	37.7	38.1	38.1	38.1	34.3	30.5	20.3
85°	33.5	35.6	38.1	41.1	43.2	44.0	44.5	43.6	32.6	26.3	16.1
87.5°	41.5	46.2	50.8	55.1	55.9	57.6	55.1	53.8	26.3	21.2	10.2
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):

	145°	155°	165°	175°	180°
0°	41.1	41.1	41.1	41.1	41.1
2.5°	49.6	63.1	66.1	66.1	64.8
5°	42.4	41.9	40.7	40.7	40.7
7.5°	42.4	57.2	64.4	65.6	64.8
10°	64.8	66.9	66.5	65.2	64.8
12.5°	67.3	73.3	86.4	85.1	85.6
15°	110.1	83.4	82.2	79.6	79.6
17.5°	105.0	89.8	94.0	92.3	92.3
20°	116.0	104.6	88.5	88.1	86.0
22.5°	120.3	110.1	96.1	92.3	92.3
25°	123.7	101.6	88.9	94.4	94.4
27.5°	113.9	102.5	86.4	82.6	82.2
30°	116.5	92.8	86.0	81.3	80.9
32.5°	106.3	85.6	77.5	80.5	80.5
35°	94.9	80.9	75.8	76.7	76.7
37.5°	85.6	75.8	76.2	77.5	77.5
40°	77.1	73.3	77.1	78.8	78.4
42.5°	71.6	70.3	72.0	73.7	73.3
45°	66.5	65.6	67.3	68.2	67.8
47.5°	62.3	62.3	62.7	63.1	63.1
50°	58.0	58.9	58.9	58.9	58.4
52.5°	54.2	54.2	55.1	54.6	54.6
55°	50.4	50.8	52.1	51.2	50.8
57.5°	47.0	48.7	48.7	47.9	47.4
60°	45.3	47.0	46.2	44.5	44.0
62.5°	46.2	45.7	44.0	41.9	41.5
64°	47.4	45.7	43.2	40.7	40.7
65°	48.7	45.7	42.8	39.8	39.8
67.5°	53.8	48.3	45.3	39.4	38.5
70°	56.8	52.1	48.7	39.4	37.7
72.5°	51.7	49.1	48.7	38.5	36.4
75°	39.8	41.5	43.6	36.0	34.3
77.5°	30.5	35.2	40.7	31.3	28.8
80°	24.6	33.5	42.4	26.3	22.0
82.5°	21.2	40.2	43.6	21.6	18.2
85°	17.4	45.3	42.8	18.6	13.1
87.5°	12.7	21.6	28.8	16.9	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)