

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: P157034

Luminaire Tested: **UTLD-F01-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157034
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-SL2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994.9 lumens
Efficiency: N/A
Efficacy: 77.0 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

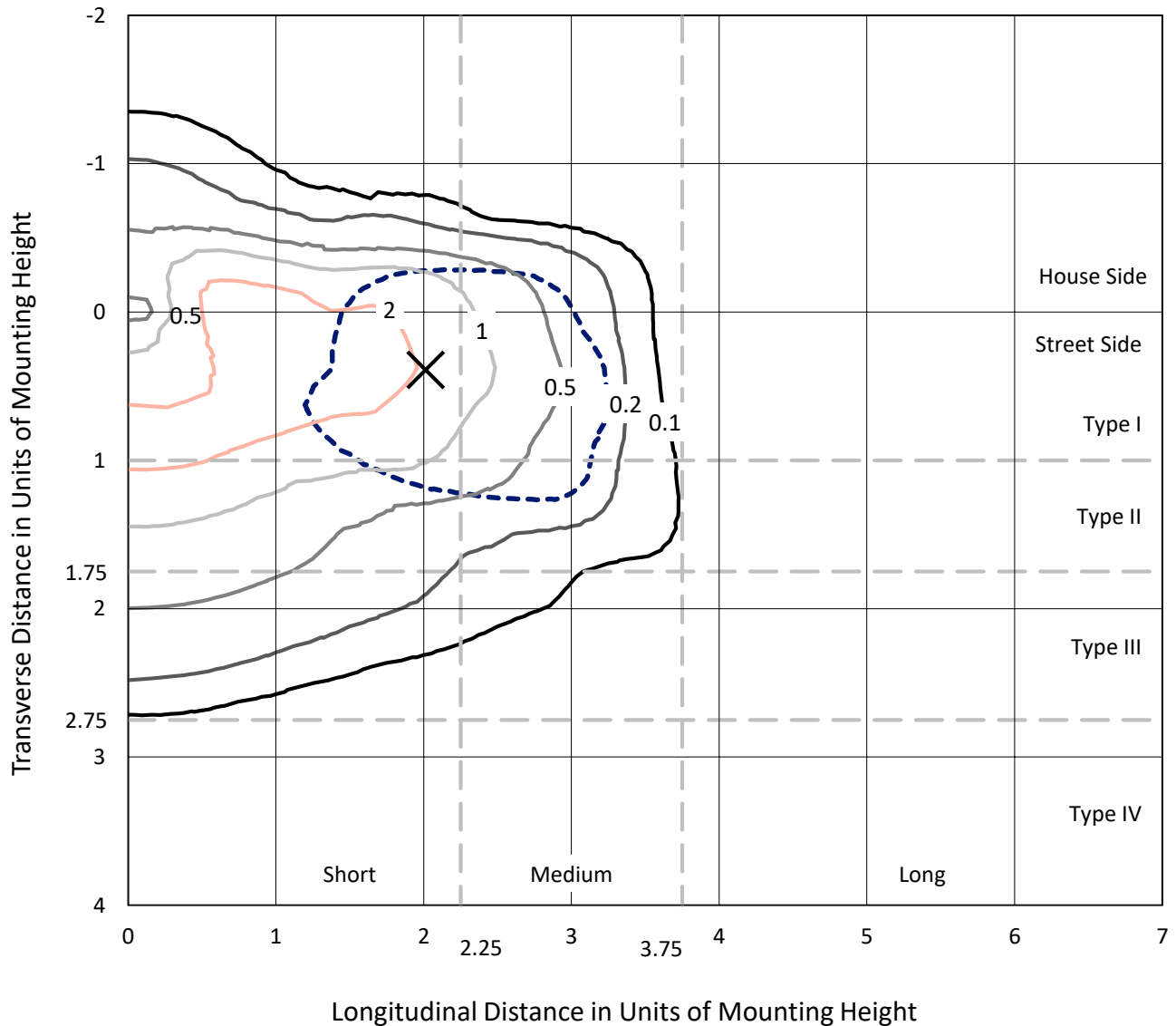
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

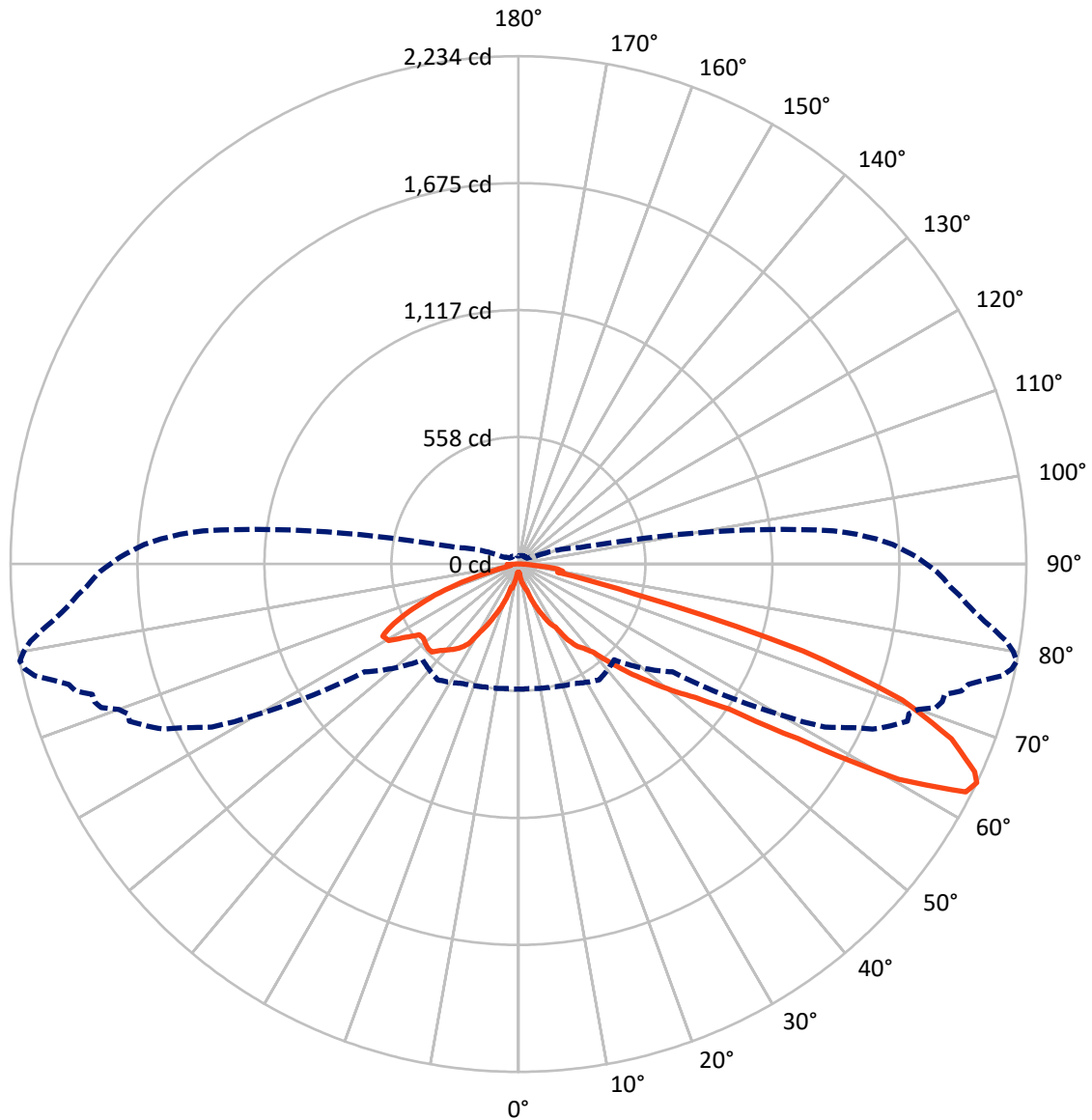
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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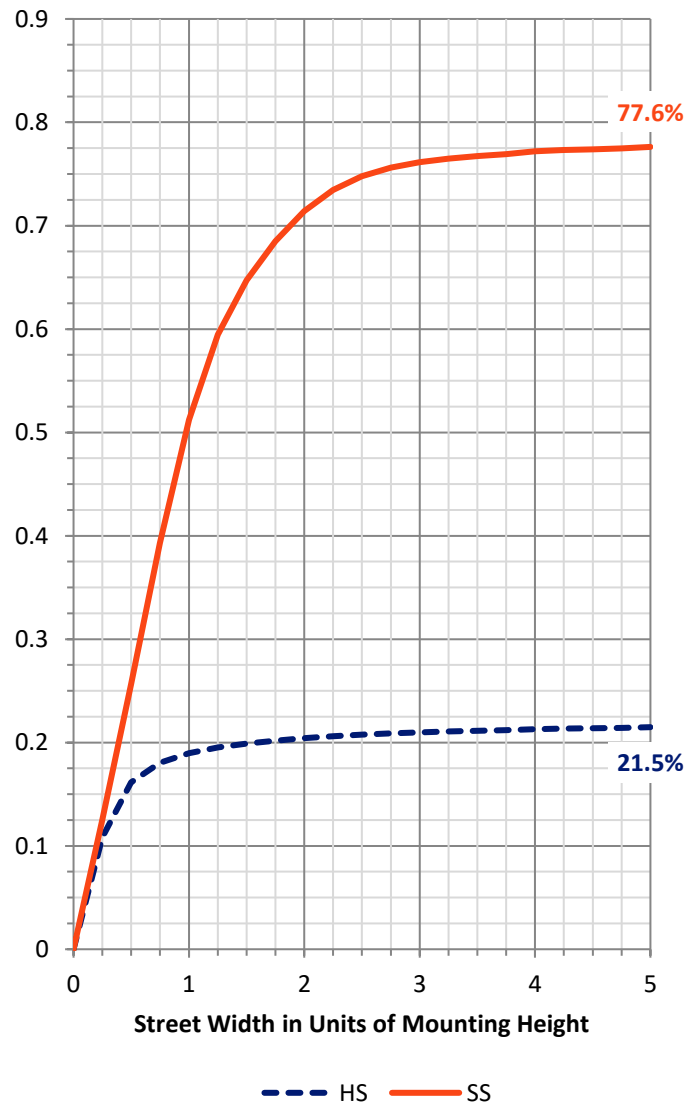
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	438.2	0.0	438.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	1556.7	0.0	1556.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	1994.9	0.0	1994.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.3
10°-20°	29.1	1.5
20°-30°	85.3	4.3
30°-40°	186.4	9.3
40°-50°	339.0	17.0
50°-60°	473.5	23.7
60°-70°	595.3	29.8
70°-80°	230.8	11.6
80°-90°	50.4	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°	1994.9	100.0
0°-180°	1994.9	100.0



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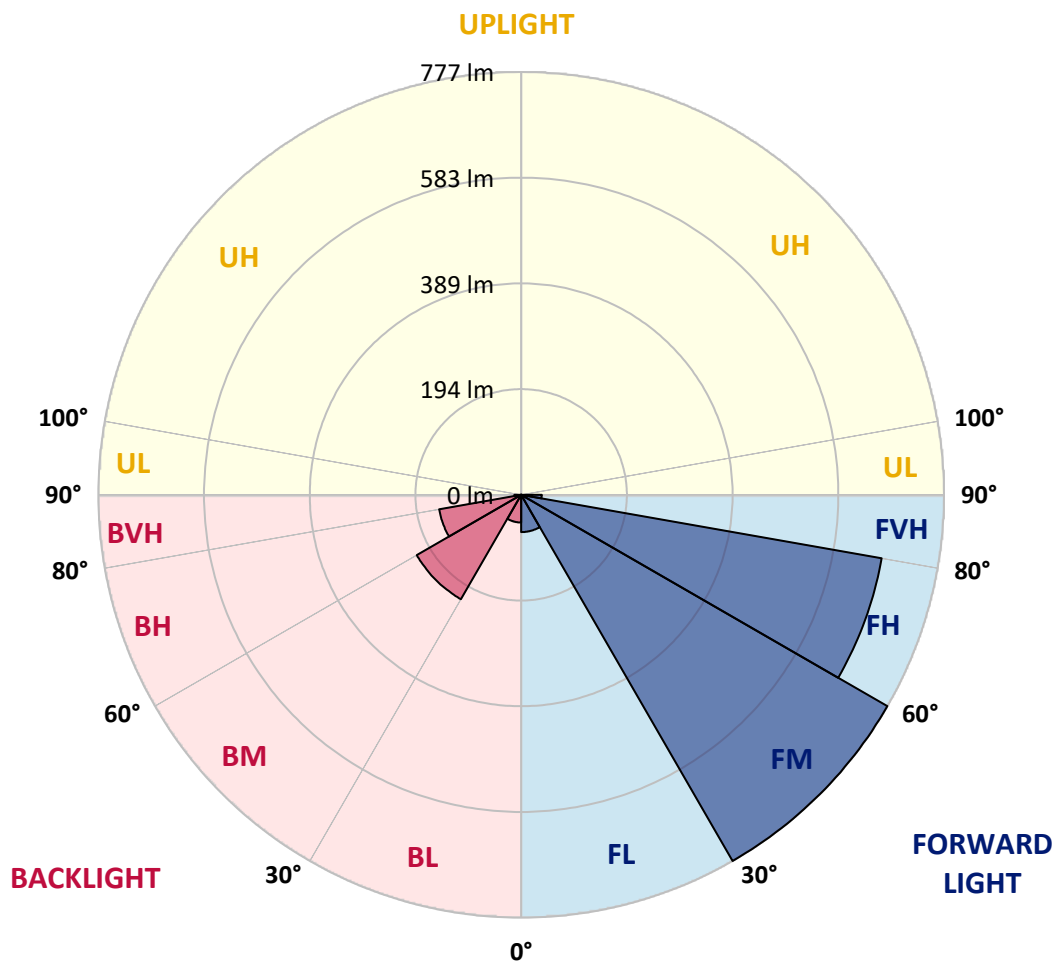
CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.5	3.4			
FM (30°-60°)	777.4	39.0			
FH (60°-80°)	672.9	33.7			G1/1800
FVH (80°-90°)	37.8	1.9			G1/100
BL (0°-30°)	50.9	2.6	B0/110		
BM (30°-60°)	221.6	11.1	B1/1000		
BH (60°-80°)	153.2	7.7	B1/500		G1/500
BVH (80°-90°)	12.6	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°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	58.4	58.1	58.8	58.8	58.8	58.1	52.0	44.5	44.1	43.0	41.8
5°	48.3	48.3	48.3	48.6	49.0	49.8	52.8	56.5	58.4	58.8	59.2
7.5°	70.5	71.3	71.3	71.3	59.2	50.9	50.5	51.3	50.5	49.8	48.6
10°	72.4	72.8	72.8	73.5	73.9	72.8	62.2	70.5	70.5	70.9	71.3
12.5°	99.2	99.9	99.5	96.1	78.4	96.1	100.7	94.2	87.8	81.1	76.9
15°	105.2	106.7	103.7	100.7	119.9	112.7	106.3	122.5	122.5	123.7	127.0
17.5°	135.7	136.1	133.8	130.1	124.4	127.4	130.1	129.7	131.9	133.8	132.7
20°	162.9	159.5	140.2	150.4	148.5	147.4	147.8	161.0	162.1	162.9	166.3
22.5°	171.9	171.9	164.0	172.3	164.4	166.3	181.3	199.1	198.3	195.3	190.8
25°	209.6	210.4	192.3	178.3	182.1	186.6	195.7	222.8	219.4	223.2	225.1
27.5°	226.6	228.1	211.9	208.1	189.6	210.0	242.0	249.6	252.2	256.7	256.7
30°	272.2	272.9	262.4	232.6	226.2	228.8	261.6	272.6	276.3	281.2	299.7
32.5°	341.2	341.6	316.3	266.9	254.5	264.3	303.1	315.5	322.7	315.9	323.8
35°	451.3	447.9	400.7	360.8	329.9	305.4	343.8	387.6	383.0	384.2	387.9
37.5°	524.4	528.9	514.2	468.6	447.1	413.2	436.2	441.8	433.2	440.0	442.2
40°	582.5	588.9	582.8	560.2	539.5	524.4	552.3	532.7	520.3	521.4	512.7
42.5°	604.3	611.5	617.5	630.7	625.4	641.6	680.5	652.2	649.9	639.0	617.9
45°	619.4	626.2	645.8	672.2	680.5	723.1	790.2	778.9	787.2	763.4	750.6
47.5°	622.4	628.8	651.1	692.5	715.5	777.4	881.0	892.4	898.8	885.9	882.9
50°	596.0	601.3	625.1	674.4	708.0	801.1	941.4	982.8	988.5	991.9	994.5
52.5°	554.9	561.3	583.6	625.4	668.0	790.2	974.2	1054.1	1060.9	1075.6	1093.3
55°	538.7	544.0	558.0	591.9	624.3	745.3	990.7	1114.4	1125.3	1151.0	1181.5
57.5°	536.5	541.7	554.2	565.5	601.3	692.9	997.9	1182.6	1216.6	1258.0	1307.4
60°	556.1	558.3	564.0	564.4	581.0	653.0	976.0	1266.7	1334.6	1395.3	1472.9
62.5°	569.3	571.2	579.8	595.7	591.1	613.0	902.2	1321.4	1422.4	1512.1	1612.8
64°	550.0	550.0	560.2	579.8	620.9	596.0	827.1	1319.5	1430.3	1526.5	1641.1
65°	528.2	527.8	537.2	553.1	616.0	593.4	772.8	1287.8	1402.4	1498.9	1623.0
67.5°	429.0	414.3	423.0	443.0	519.5	599.4	637.9	1083.5	1201.1	1317.6	1460.5
70°	222.1	230.0	234.5	267.7	359.3	515.7	535.3	765.7	899.5	1015.6	1212.8
72.5°	93.9	87.8	98.8	122.1	188.9	365.3	492.4	531.9	601.7	694.1	903.3
75°	50.9	51.3	53.5	60.7	98.4	201.7	453.9	468.6	475.0	490.1	601.7
77.5°	37.7	37.7	38.8	38.8	51.3	104.8	361.9	443.0	444.1	434.3	459.9
80°	28.3	29.8	31.7	30.2	32.0	59.6	211.9	402.3	419.2	422.6	443.7
82.5°	23.4	24.1	28.3	27.1	25.3	35.8	99.5	304.6	352.1	380.0	432.0
85°	15.8	17.0	25.6	24.9	23.0	24.1	57.7	98.8	119.1	137.6	175.3
87.5°	6.4	8.3	16.6	15.1	15.8	13.6	35.4	52.0	57.3	65.2	81.1
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°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	41.1	40.3	40.0	39.2	38.8	38.5	38.8	38.1	37.7	38.1	37.3
5°	58.8	58.8	58.4	57.7	57.3	56.5	56.2	53.2	49.8	47.9	44.9
7.5°	49.0	49.0	49.8	51.6	53.5	55.4	56.5	56.9	56.5	56.9	56.9
10°	71.3	72.4	72.4	73.1	73.1	73.5	73.9	74.6	75.4	79.9	83.3
12.5°	76.5	76.9	76.9	77.3	78.8	80.3	80.3	81.4	80.7	80.3	79.5
15°	125.2	123.3	114.6	113.5	113.1	112.0	109.0	107.8	107.8	108.6	108.2
17.5°	133.8	135.0	133.5	131.6	129.7	125.5	118.4	119.1	118.4	119.1	120.6
20°	167.4	164.0	166.3	174.5	180.2	182.1	184.0	185.1	181.3	175.7	174.9
22.5°	188.9	187.0	191.5	193.0	193.4	197.2	197.9	200.6	210.7	208.9	210.7
25°	225.4	245.0	245.4	246.6	248.4	250.7	249.2	252.6	251.8	254.8	254.8
27.5°	262.4	260.9	262.4	263.9	262.0	260.9	264.7	264.7	271.8	267.7	268.4
30°	297.8	299.0	302.4	305.4	307.6	306.5	306.9	312.2	308.4	311.4	315.9
32.5°	322.7	327.2	335.5	337.8	359.3	355.9	365.3	369.8	373.6	379.6	385.3
35°	394.0	397.4	401.9	401.9	399.6	405.3	409.4	412.4	416.2	425.6	422.6
37.5°	443.3	443.7	445.2	435.4	441.8	444.5	444.5	450.9	457.7	458.1	451.3
40°	508.9	499.9	496.1	487.5	495.4	484.4	492.7	491.2	496.1	490.1	493.9
42.5°	608.1	594.5	573.4	570.4	563.6	557.6	550.4	556.4	545.9	550.4	562.1
45°	734.0	697.8	688.4	678.6	650.7	646.2	642.8	628.8	615.3	630.0	649.9
47.5°	865.6	825.6	812.8	794.3	775.9	752.1	738.2	709.1	702.3	720.8	734.0
50°	976.4	945.9	948.1	922.1	899.1	883.7	845.2	816.2	814.7	821.1	814.7
52.5°	1073.7	1067.3	1068.4	1052.2	1036.7	1017.5	971.1	953.8	942.1	932.3	906.3
55°	1170.6	1191.7	1189.8	1202.2	1198.8	1184.9	1152.1	1155.9	1151.3	1119.3	1093.3
57.5°	1330.8	1363.2	1383.6	1401.7	1440.1	1436.0	1429.6	1487.3	1485.0	1454.5	1466.5
60°	1540.4	1575.5	1627.1	1673.5	1716.5	1728.2	1764.7	1843.9	1837.1	1840.5	1880.5
62.5°	1698.7	1742.9	1797.9	1852.2	1851.4	1882.0	1955.5	1995.4	1987.9	2042.2	2073.9
64°	1718.0	1764.7	1804.7	1845.4	1839.7	1870.7	1940.8	1960.0	1960.4	2026.4	2047.8
65°	1689.7	1739.5	1768.5	1804.3	1797.5	1831.5	1901.2	1900.4	1911.4	1978.5	1997.3
67.5°	1516.3	1583.8	1607.5	1620.7	1628.2	1679.1	1717.2	1701.4	1748.5	1776.0	1821.6
70°	1278.8	1354.2	1395.6	1401.3	1427.7	1479.0	1506.9	1477.1	1535.1	1516.7	1596.2
72.5°	1008.5	1079.0	1141.2	1148.0	1192.8	1219.2	1216.6	1216.9	1226.0	1197.0	1263.3
75°	700.5	754.4	801.9	807.9	831.7	808.3	790.9	756.6	717.0	683.5	679.3
77.5°	476.9	494.6	490.1	472.4	453.2	422.6	398.5	391.7	366.4	355.9	334.0
80°	441.8	447.9	439.2	438.1	423.7	389.8	372.5	343.8	340.1	327.6	312.2
82.5°	441.8	444.9	446.4	455.0	435.8	409.8	380.0	337.4	322.7	289.5	269.6
85°	209.6	222.4	243.9	262.8	262.0	254.8	222.1	204.7	173.8	148.9	126.3
87.5°	93.5	104.1	116.1	120.6	124.8	120.6	109.3	98.8	81.1	63.3	52.4
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	37.3	37.3	37.3	37.3	36.9	36.9	36.9	36.9	36.9	36.6	36.6
5°	41.8	41.1	39.6	39.6	38.8	38.5	38.5	38.1	38.1	37.7	37.7
7.5°	56.5	56.2	55.0	50.5	43.7	41.1	38.8	38.8	38.5	38.8	39.6
10°	84.8	84.8	84.1	82.9	82.6	81.1	73.5	67.1	63.0	62.2	61.5
12.5°	80.7	82.6	87.5	90.1	90.1	89.7	89.0	86.7	76.2	69.7	68.2
15°	108.6	109.3	109.7	111.2	115.7	116.5	115.7	116.5	115.7	108.6	98.8
17.5°	122.1	119.5	119.5	120.6	125.2	122.9	127.4	141.0	143.6	132.3	133.5
20°	173.4	173.4	174.2	171.5	173.4	176.8	177.2	178.7	181.7	181.0	176.4
22.5°	205.8	203.2	209.6	212.6	213.8	213.4	213.0	212.2	213.8	216.0	214.1
25°	250.3	252.6	253.0	251.5	248.1	246.6	249.2	251.8	259.8	264.7	261.3
27.5°	276.7	283.5	300.8	297.1	294.8	297.5	299.3	305.7	303.1	301.2	306.5
30°	322.3	321.2	317.4	320.8	325.3	331.0	329.5	325.0	322.7	328.0	326.5
32.5°	383.4	378.9	386.0	396.2	403.4	397.4	393.2	398.5	398.5	392.8	399.2
35°	417.3	425.6	436.6	443.3	438.4	438.4	442.6	440.0	441.8	448.2	452.0
37.5°	458.4	472.0	478.8	472.0	473.5	482.6	482.9	486.7	490.5	497.6	508.2
40°	510.8	517.6	512.7	512.3	523.6	526.7	533.5	546.6	552.3	562.5	567.0
42.5°	575.7	577.6	578.3	591.9	593.8	597.2	614.5	626.6	641.3	645.4	639.8
45°	656.0	654.8	671.8	681.2	683.5	707.2	714.0	723.1	732.9	724.2	738.5
47.5°	729.1	747.6	769.5	770.2	789.4	804.9	810.9	819.2	811.3	820.3	809.8
50°	815.4	848.6	845.2	872.7	887.8	890.8	903.3	891.2	892.7	884.1	881.0
52.5°	923.3	937.2	935.7	974.2	976.8	987.4	978.3	971.1	970.0	958.7	950.4
55°	1110.6	1092.2	1111.8	1126.1	1133.6	1137.8	1109.1	1121.6	1092.9	1092.5	1072.9
57.5°	1456.0	1452.6	1465.0	1449.2	1469.5	1437.5	1435.6	1410.3	1392.6	1392.2	1380.9
60°	1871.8	1924.6	1936.6	1921.6	1882.7	1867.6	1843.1	1821.6	1790.4	1793.0	1769.6
62.5°	2106.3	2179.0	2198.3	2208.1	2157.9	2135.3	2079.1	2043.3	1995.1	1979.6	1941.9
64°	2110.4	2183.2	2218.6	2233.7	2208.4	2173.0	2119.9	2065.9	2016.9	1976.6	1942.3
65°	2079.1	2141.7	2190.0	2205.1	2203.2	2156.4	2112.3	2048.6	2003.4	1947.6	1912.5
67.5°	1910.6	1966.0	2029.0	2053.9	2079.5	2063.3	2025.6	1963.8	1909.5	1842.4	1793.4
70°	1649.7	1698.0	1754.2	1790.4	1818.3	1831.8	1799.4	1751.9	1710.8	1632.0	1574.3
72.5°	1288.6	1296.5	1307.8	1309.3	1298.4	1293.1	1264.1	1267.5	1192.1	1144.2	1111.0
75°	640.1	613.8	549.7	525.9	471.6	439.6	402.6	387.9	349.5	338.5	309.1
77.5°	293.3	256.7	211.9	176.4	147.4	127.4	108.6	95.4	84.4	80.3	74.3
80°	287.3	258.2	223.6	197.5	167.0	139.5	113.5	89.0	71.6	61.1	54.3
82.5°	244.7	210.7	187.4	171.9	152.7	133.5	109.3	88.2	67.9	52.4	42.6
85°	100.3	81.8	69.4	63.0	56.2	49.4	42.6	36.6	32.8	27.9	25.3
87.5°	43.0	37.7	34.7	34.3	32.8	31.7	30.5	29.0	25.6	23.8	21.5
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°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
5°	37.7	37.7	37.3	37.3	37.3	37.3	37.7	37.3	37.3	37.3	37.3
7.5°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.0	40.0	40.3
10°	61.1	60.7	59.2	58.8	58.1	58.1	58.1	58.4	59.9	60.7	61.5
12.5°	66.7	67.5	68.2	66.7	67.5	65.6	66.7	67.5	67.1	67.5	66.7
15°	99.5	99.5	99.2	98.8	97.6	96.5	96.1	96.1	95.4	94.6	95.4
17.5°	131.9	131.9	130.1	128.6	128.6	120.6	126.3	124.4	125.5	120.3	134.6
20°	165.5	164.7	165.9	168.5	169.6	167.8	165.1	162.1	161.4	166.3	172.3
22.5°	213.8	212.2	208.1	202.8	202.1	201.7	206.6	206.6	207.0	209.2	213.0
25°	256.0	247.7	244.3	248.1	249.2	243.9	243.9	245.8	256.0	259.8	260.1
27.5°	307.6	305.0	302.7	298.2	296.3	303.9	308.0	303.5	302.0	307.6	307.6
30°	328.7	334.8	334.4	338.9	342.3	332.9	328.0	340.1	338.9	330.2	335.2
32.5°	406.0	409.0	413.2	418.8	414.7	420.7	414.3	409.4	417.3	415.8	410.2
35°	451.6	459.9	459.9	460.3	471.6	469.4	466.7	465.2	459.2	463.3	466.0
37.5°	507.4	502.2	506.7	512.3	514.6	517.2	518.0	519.9	512.0	506.7	499.1
40°	562.1	568.5	562.9	564.4	568.9	568.1	571.2	575.3	564.0	556.1	545.5
42.5°	644.3	642.0	640.5	638.3	633.0	638.3	633.0	620.9	623.6	611.9	596.8
45°	730.6	726.1	726.5	719.3	714.0	699.7	695.6	692.2	677.8	669.2	645.4
47.5°	810.5	807.2	795.1	797.7	781.5	764.5	754.0	748.7	729.1	705.7	691.4
50°	879.2	870.1	870.5	853.1	841.5	828.3	811.7	791.3	769.8	748.0	717.0
52.5°	941.4	940.6	929.7	917.6	900.3	893.1	864.8	835.8	809.8	783.8	749.1
55°	1085.8	1072.6	1049.6	1043.5	1035.2	991.9	970.8	935.3	895.0	863.3	817.0
57.5°	1384.3	1367.0	1339.8	1337.2	1286.3	1251.6	1203.0	1161.5	1106.5	1052.6	984.3
60°	1740.6	1715.0	1716.8	1677.6	1634.3	1592.8	1532.1	1473.3	1397.1	1304.8	1190.6
62.5°	1908.0	1883.1	1861.6	1817.1	1771.1	1725.5	1675.4	1596.6	1523.1	1415.2	1273.5
64°	1902.3	1871.8	1839.0	1794.1	1752.7	1699.5	1648.6	1577.0	1494.0	1394.1	1244.5
65°	1874.8	1840.9	1798.7	1755.7	1705.9	1656.5	1606.4	1541.5	1449.9	1353.0	1202.2
67.5°	1745.1	1701.4	1656.1	1614.7	1562.3	1513.3	1468.4	1410.0	1315.0	1210.9	1075.6
70°	1531.7	1477.8	1428.1	1401.3	1363.2	1319.5	1265.2	1216.2	1128.4	1025.1	902.2
72.5°	1051.8	989.6	954.9	966.2	928.2	914.6	901.8	863.3	786.4	712.1	633.4
75°	329.1	304.2	287.6	308.0	294.1	316.7	309.5	302.7	282.4	273.7	246.2
77.5°	74.6	71.3	69.7	69.0	69.4	69.0	67.9	67.5	66.4	67.1	65.2
80°	51.6	49.4	48.6	47.5	46.7	45.6	44.5	44.1	43.7	43.0	42.6
82.5°	37.3	34.3	33.9	33.2	32.8	32.0	31.7	32.4	32.0	33.2	33.2
85°	24.1	22.6	21.9	22.2	21.9	22.6	23.0	23.8	24.9	26.0	27.9
87.5°	20.0	18.8	18.8	19.2	20.0	20.7	22.6	24.9	26.8	29.8	33.2
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	37.3	37.7	39.6
5°	37.3	37.7	37.3	37.7	37.7	37.7	38.1	38.1	47.9	58.1	40.7
7.5°	40.0	40.3	40.0	39.6	39.2	38.8	40.7	42.6	53.5	38.1	37.3
10°	61.8	62.2	62.6	66.4	72.0	79.9	81.4	81.4	59.2	51.6	58.1
12.5°	66.7	69.4	80.7	84.8	84.8	84.8	84.1	79.5	62.6	81.8	81.4
15°	102.2	110.5	110.8	111.2	110.8	103.7	96.9	95.0	97.6	87.8	83.7
17.5°	130.8	115.7	126.3	105.6	99.5	101.0	102.5	104.8	119.1	111.2	102.9
20°	175.3	175.7	165.1	161.4	158.7	158.3	159.1	160.6	151.6	124.8	115.0
22.5°	209.2	203.6	205.5	208.1	205.8	200.6	198.3	195.7	179.5	164.7	121.4
25°	251.5	250.3	247.7	247.3	253.0	256.4	253.7	249.9	224.3	165.5	129.7
27.5°	306.9	309.1	308.4	300.5	296.7	302.0	296.7	285.4	251.5	205.5	133.8
30°	335.5	340.8	343.4	343.1	334.0	334.0	331.4	338.9	276.7	200.2	137.2
32.5°	413.2	413.6	412.4	412.8	411.3	398.5	385.3	378.1	272.9	204.7	130.8
35°	455.8	452.4	453.2	445.6	436.6	427.1	413.2	395.8	292.2	187.7	115.4
37.5°	501.8	489.3	476.1	469.7	456.5	445.2	434.7	413.9	282.7	173.8	98.8
40°	533.8	530.1	505.2	489.0	479.9	462.2	444.1	430.9	265.0	144.4	83.7
42.5°	571.9	555.7	544.0	512.3	492.0	478.0	452.4	428.3	237.1	116.9	72.8
45°	619.4	588.1	562.9	542.5	499.9	473.5	449.4	420.4	201.7	95.4	66.0
47.5°	657.5	623.6	580.2	544.4	509.3	457.3	429.8	396.2	168.1	82.2	61.5
50°	689.9	642.0	593.0	537.6	492.4	438.4	394.3	367.6	138.7	71.6	56.2
52.5°	709.5	656.4	596.0	529.7	466.0	416.2	367.6	329.5	116.5	64.1	50.9
55°	751.4	692.5	614.9	535.3	458.8	398.1	353.6	306.9	103.3	57.3	46.7
57.5°	892.4	792.4	695.9	590.4	497.3	419.2	365.7	315.2	96.1	52.4	43.4
60°	1071.4	935.7	798.1	662.4	547.4	453.5	380.4	327.6	88.6	49.4	41.5
62.5°	1129.5	972.3	814.3	675.6	544.0	443.3	367.6	309.5	77.7	47.1	41.1
64°	1090.3	931.6	778.5	637.5	512.7	413.2	340.1	280.5	70.1	46.4	42.6
65°	1045.4	889.0	744.9	607.3	485.6	386.8	314.8	259.4	65.2	46.0	44.1
67.5°	915.7	771.3	633.0	504.0	398.1	312.9	243.9	194.9	54.7	47.1	49.4
70°	769.1	622.8	507.4	392.8	302.4	230.0	172.7	133.5	47.5	50.1	53.5
72.5°	545.5	424.1	349.5	263.9	199.4	145.5	110.1	84.1	41.8	48.6	49.8
75°	216.0	181.0	144.8	112.7	92.0	75.4	63.3	51.6	37.7	43.4	39.2
77.5°	60.7	56.9	52.8	47.5	44.5	41.8	39.2	37.3	33.9	36.6	29.4
80°	40.7	39.2	38.1	36.9	36.2	35.1	34.3	33.9	31.3	30.5	21.9
82.5°	32.8	32.8	33.2	33.2	33.6	33.9	33.9	33.9	30.5	27.1	18.1
85°	29.8	31.7	33.9	36.6	38.5	39.2	39.6	38.8	29.0	23.4	14.3
87.5°	36.9	41.1	45.2	49.0	49.8	51.3	49.0	47.9	23.4	18.8	9.0
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°	36.6	36.6	36.6	36.6	36.6
2.5°	44.1	56.2	58.8	58.8	57.7
5°	37.7	37.3	36.2	36.2	36.2
7.5°	37.7	50.9	57.3	58.4	57.7
10°	57.7	59.6	59.2	58.1	57.7
12.5°	59.9	65.2	76.9	75.8	76.2
15°	98.0	74.3	73.1	70.9	70.9
17.5°	93.5	79.9	83.7	82.2	82.2
20°	103.3	93.1	78.8	78.4	76.5
22.5°	107.1	98.0	85.6	82.2	82.2
25°	110.1	90.5	79.2	84.1	84.1
27.5°	101.4	91.2	76.9	73.5	73.1
30°	103.7	82.6	76.5	72.4	72.0
32.5°	94.6	76.2	69.0	71.6	71.6
35°	84.4	72.0	67.5	68.2	68.2
37.5°	76.2	67.5	67.9	69.0	69.0
40°	68.6	65.2	68.6	70.1	69.7
42.5°	63.7	62.6	64.1	65.6	65.2
45°	59.2	58.4	59.9	60.7	60.3
47.5°	55.4	55.4	55.8	56.2	56.2
50°	51.6	52.4	52.4	52.4	52.0
52.5°	48.3	48.3	49.0	48.6	48.6
55°	44.9	45.2	46.4	45.6	45.2
57.5°	41.8	43.4	43.4	42.6	42.2
60°	40.3	41.8	41.1	39.6	39.2
62.5°	41.1	40.7	39.2	37.3	36.9
64°	42.2	40.7	38.5	36.2	36.2
65°	43.4	40.7	38.1	35.4	35.4
67.5°	47.9	43.0	40.3	35.1	34.3
70°	50.5	46.4	43.4	35.1	33.6
72.5°	46.0	43.7	43.4	34.3	32.4
75°	35.4	36.9	38.8	32.0	30.5
77.5°	27.1	31.3	36.2	27.9	25.6
80°	21.9	29.8	37.7	23.4	19.6
82.5°	18.8	35.8	38.8	19.2	16.2
85°	15.5	40.3	38.1	16.6	11.7
87.5°	11.3	19.2	25.6	15.1	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)