

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: P157029

Luminaire Tested: **UTLD-E01-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157029
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-E01-LED-E-U-SL2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2416.5 lumens
Efficiency: N/A
Efficacy: 97.8 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): 24.7
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



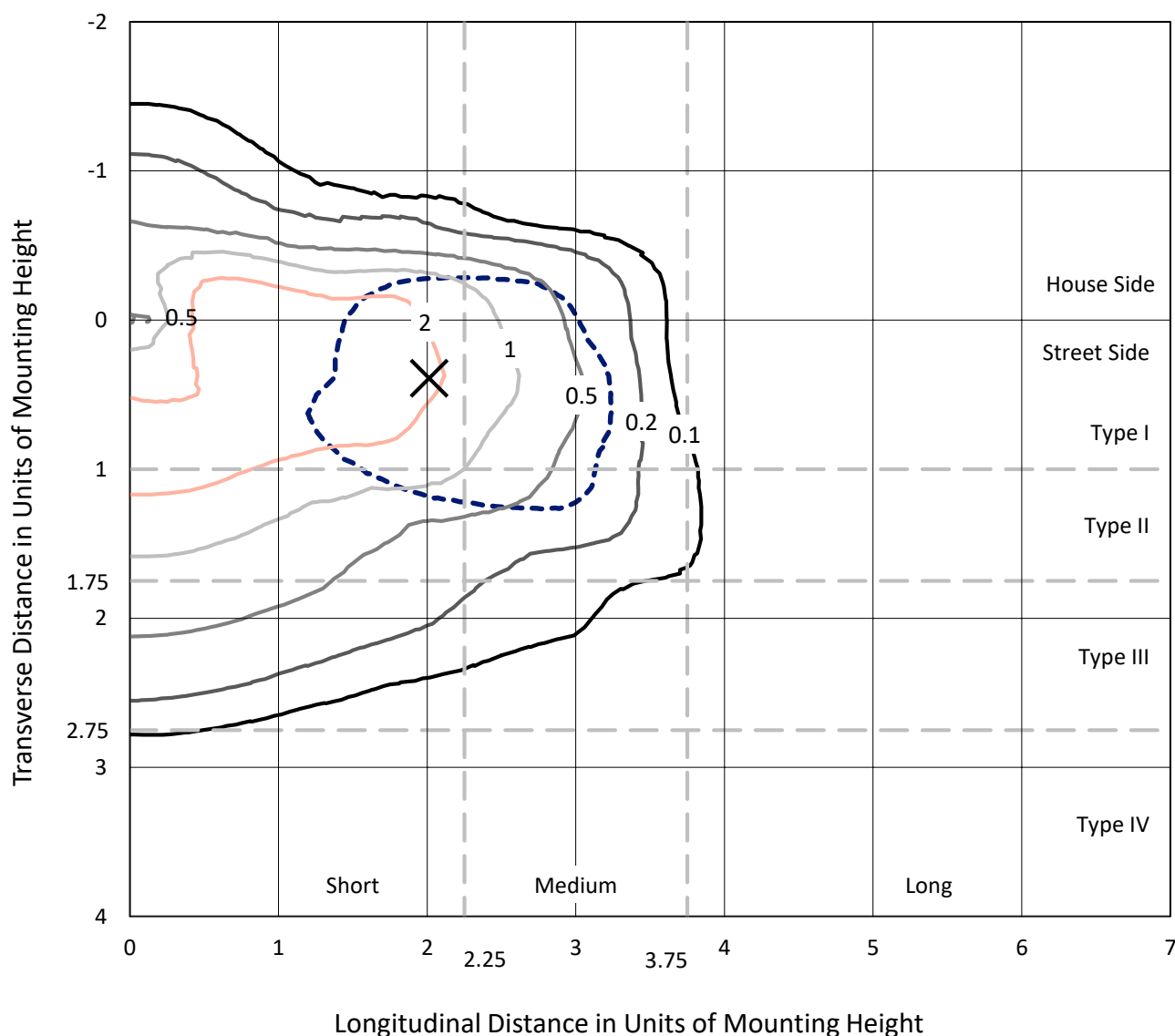
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

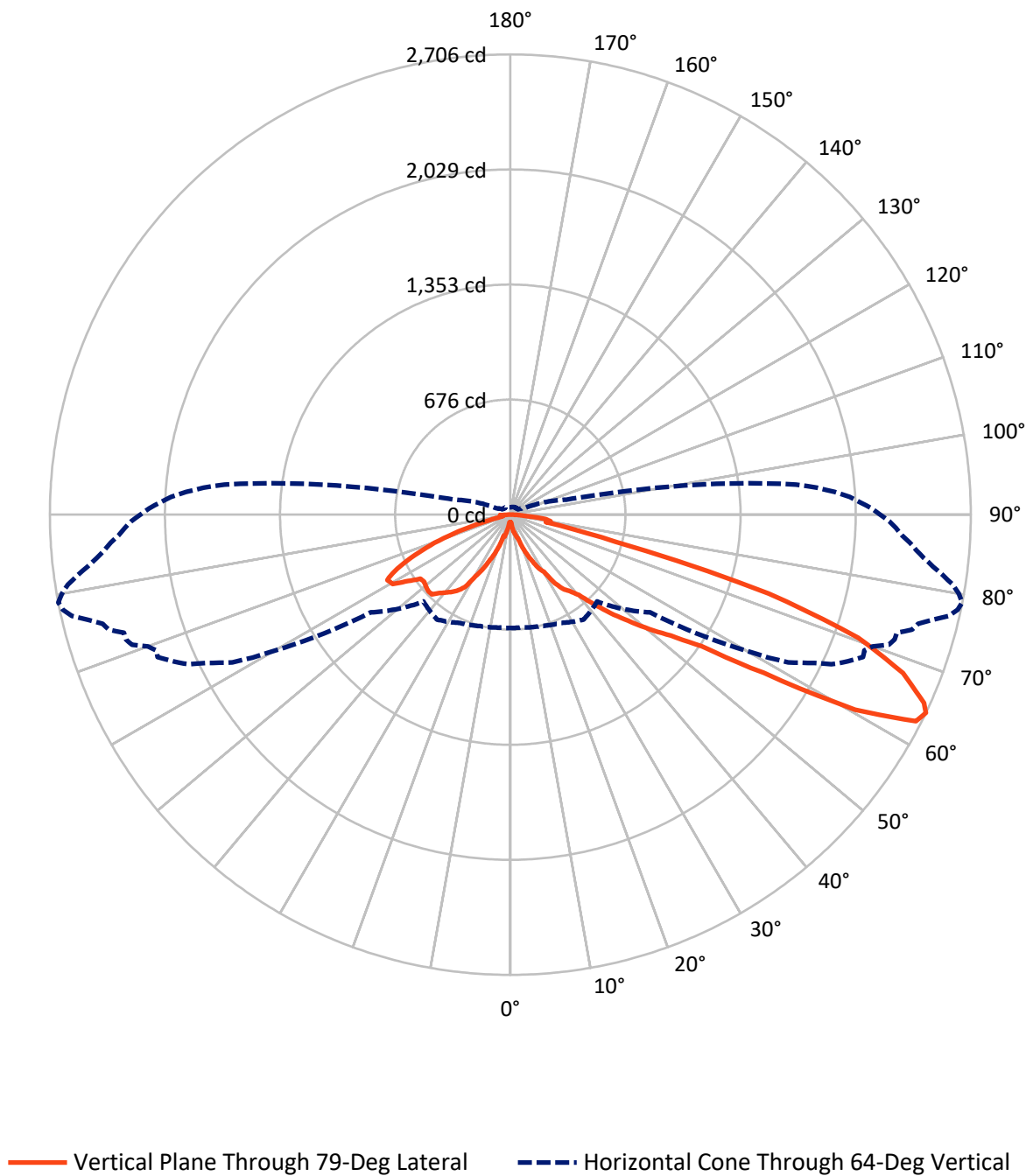


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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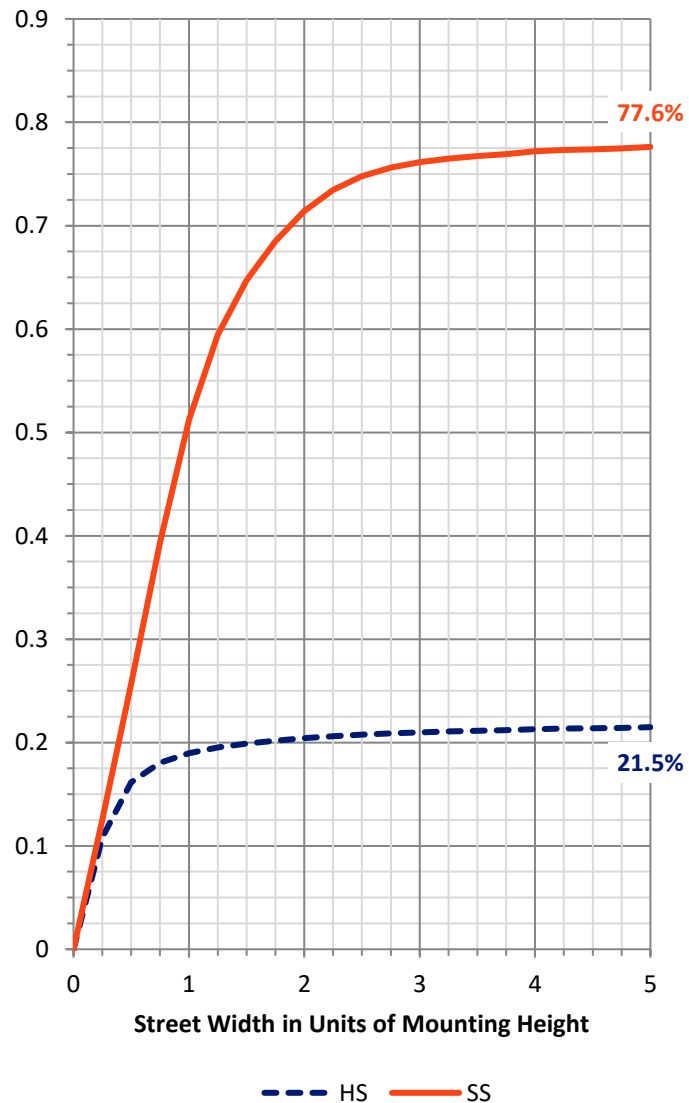
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	530.9	0.0	530.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	1885.7	0.0	1885.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	2416.5	0.0	2416.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.3
10°-20°	35.3	1.5
20°-30°	103.3	4.3
30°-40°	225.8	9.3
40°-50°	410.7	17.0
50°-60°	573.5	23.7
60°-70°	721.2	29.8
70°-80°	279.6	11.6
80°-90°	61.0	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°	2416.5	100.0
0°-180°	2416.5	100.0

Coefficient of Utilization



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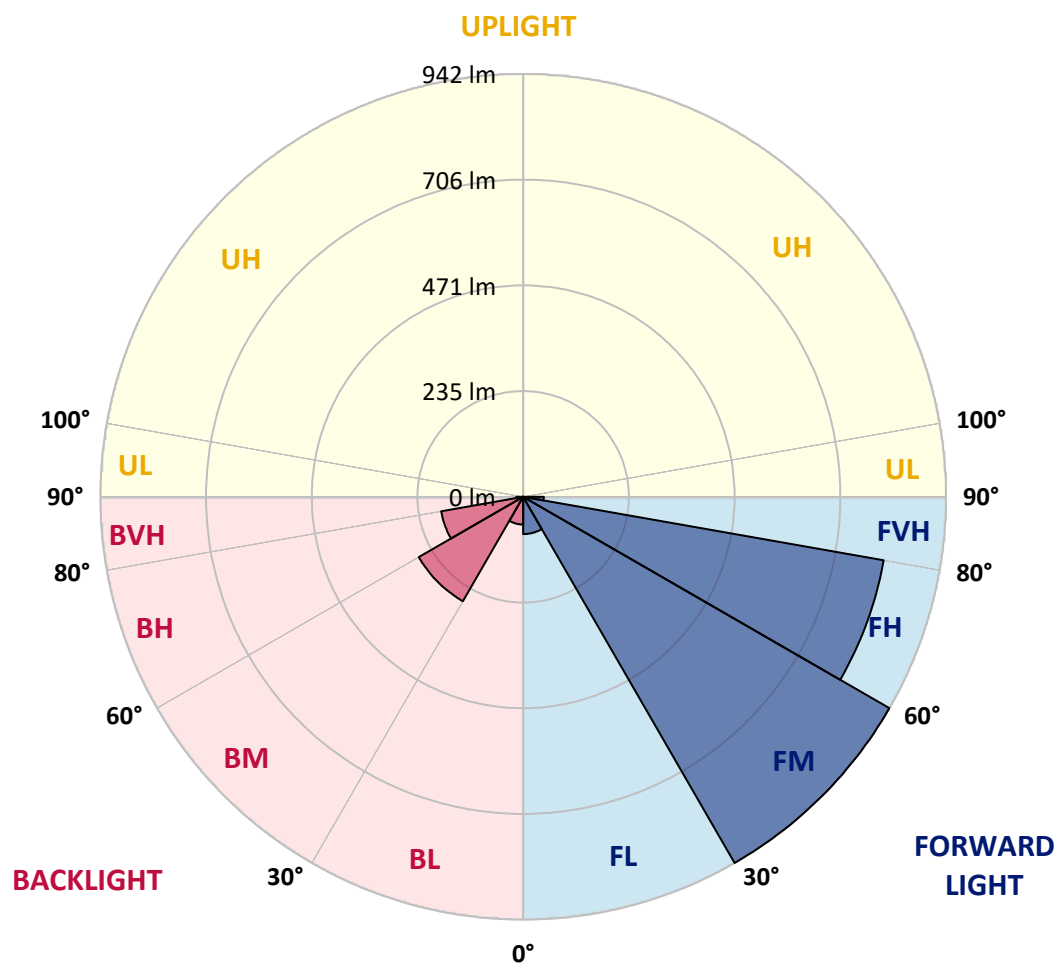
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.0	3.4			
FM	(30°-60°)	941.6	39.0			
FH	(60°-80°)	815.2	33.7			G1/1800
FVH	(80°-90°)	45.8	1.9			G1/100
BL	(0°-30°)	61.7	2.6	B0/110		
BM	(30°-60°)	268.4	11.1	B1/1000		
BH	(60°-80°)	185.6	7.7	B1/500		G1/500
BVH	(80°-90°)	15.2	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°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	70.8	70.3	71.2	71.2	71.2	70.3	63.0	53.9	53.4	52.1	50.7
5°	58.5	58.5	58.5	58.9	59.4	60.3	63.9	68.5	70.8	71.2	71.7
7.5°	85.4	86.3	86.3	86.3	71.7	61.7	61.2	62.1	61.2	60.3	58.9
10°	87.7	88.1	88.1	89.1	89.5	88.1	75.4	85.4	85.4	85.9	86.3
12.5°	120.1	121.0	120.6	116.5	95.0	116.5	121.9	114.2	106.4	98.2	93.2
15°	127.4	129.2	125.6	121.9	145.2	136.5	128.8	148.4	148.4	149.8	153.9
17.5°	164.4	164.9	162.1	157.6	150.7	154.4	157.6	157.1	159.8	162.1	160.7
20°	197.3	193.2	169.9	182.2	179.9	178.6	179.0	195.0	196.4	197.3	201.4
22.5°	208.2	208.2	198.7	208.7	199.1	201.4	219.7	241.1	240.2	236.6	231.1
25°	253.9	254.8	232.9	216.0	220.6	226.1	237.0	269.9	265.8	270.4	272.6
27.5°	274.5	276.3	256.7	252.1	229.7	254.4	293.2	302.3	305.5	311.0	311.0
30°	329.7	330.6	317.8	281.8	274.0	277.2	316.9	330.2	334.7	340.7	363.1
32.5°	413.3	413.7	383.2	323.3	308.3	320.1	367.2	382.2	390.9	382.7	392.3
35°	546.6	542.5	485.4	437.0	399.6	369.9	416.5	469.5	464.0	465.4	469.9
37.5°	635.2	640.7	622.9	567.6	541.6	500.5	528.4	535.2	524.7	532.9	535.7
40°	705.6	713.3	706.0	678.6	653.5	635.2	669.0	645.3	630.2	631.6	621.1
42.5°	732.1	740.7	748.0	764.0	757.6	777.3	824.3	790.0	787.3	774.1	748.5
45°	750.3	758.5	782.3	814.3	824.3	875.9	957.2	943.5	953.5	924.8	909.2
47.5°	754.0	761.7	788.7	838.9	866.8	941.7	1067.2	1081.0	1088.7	1073.2	1069.5
50°	722.0	728.4	757.2	817.0	857.6	970.4	1140.3	1190.6	1197.4	1201.5	1204.7
52.5°	672.2	680.0	706.9	757.6	809.2	957.2	1180.0	1276.9	1285.1	1302.9	1324.4
55°	652.6	659.0	675.9	717.0	756.3	902.8	1200.1	1349.9	1363.2	1394.2	1431.2
57.5°	649.8	656.2	671.3	685.0	728.4	839.4	1208.8	1432.6	1473.7	1523.9	1583.7
60°	673.6	676.3	683.2	683.6	703.7	791.0	1182.3	1534.4	1616.6	1690.2	1784.2
62.5°	689.6	691.9	702.4	721.5	716.1	742.6	1092.8	1600.6	1723.0	1831.7	1953.7
64°	666.3	666.3	678.6	702.4	752.1	722.0	1001.9	1598.4	1732.6	1849.1	1987.9
65°	639.8	639.3	650.8	669.9	746.2	718.8	936.2	1560.0	1698.8	1815.7	1966.0
67.5°	519.7	501.9	512.4	536.6	629.3	726.1	772.7	1312.5	1455.0	1596.1	1769.2
70°	269.0	278.6	284.1	324.2	435.2	624.7	648.5	927.5	1089.6	1230.3	1469.1
72.5°	113.7	106.4	119.6	148.0	228.8	442.5	596.4	644.4	728.9	840.7	1094.2
75°	61.7	62.1	64.8	73.5	119.2	244.3	549.8	567.6	575.4	593.7	728.9
77.5°	45.7	45.7	47.0	47.0	62.1	127.0	438.4	536.6	538.0	526.1	557.1
80°	34.3	36.1	38.4	36.5	38.8	72.2	256.7	487.3	507.8	511.9	537.5
82.5°	28.3	29.2	34.3	32.9	30.6	43.4	120.6	369.0	426.5	460.3	523.3
85°	19.2	20.6	31.1	30.1	27.9	29.2	69.9	119.6	144.3	166.7	212.4
87.5°	7.8	10.0	20.1	18.3	19.2	16.4	42.9	63.0	69.4	79.0	98.2
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	49.8	48.9	48.4	47.5	47.0	46.6	47.0	46.1	45.7	46.1	45.2
5°	71.2	71.2	70.8	69.9	69.4	68.5	68.0	64.4	60.3	58.0	54.3
7.5°	59.4	59.4	60.3	62.6	64.8	67.1	68.5	69.0	68.5	69.0	69.0
10°	86.3	87.7	87.7	88.6	88.6	89.1	89.5	90.4	91.3	96.8	100.9
12.5°	92.7	93.2	93.2	93.6	95.4	97.3	97.3	98.6	97.7	97.3	96.4
15°	151.6	149.3	138.8	137.5	137.0	135.6	132.0	130.6	130.6	131.5	131.1
17.5°	162.1	163.5	161.7	159.4	157.1	152.1	143.4	144.3	143.4	144.3	146.1
20°	202.8	198.7	201.4	211.4	218.3	220.6	222.9	224.2	219.7	212.8	211.9
22.5°	228.8	226.5	232.0	233.8	234.3	238.8	239.8	243.0	255.3	253.0	255.3
25°	273.1	296.8	297.3	298.7	300.9	303.7	301.9	306.0	305.1	308.7	308.7
27.5°	317.8	316.0	317.8	319.7	317.4	316.0	320.6	320.6	329.3	324.2	325.2
30°	360.8	362.1	366.3	369.9	372.6	371.3	371.7	378.1	373.6	377.2	382.7
32.5°	390.9	396.4	406.4	409.2	435.2	431.1	442.5	448.0	452.6	459.9	466.7
35°	477.2	481.3	486.8	486.8	484.1	490.9	495.9	499.6	504.2	515.6	511.9
37.5°	537.0	537.5	539.3	527.5	535.2	538.4	538.4	546.2	554.4	554.9	546.6
40°	616.5	605.6	601.0	590.5	600.1	586.8	596.9	595.0	601.0	593.7	598.2
42.5°	736.6	720.2	694.6	690.9	682.7	675.4	666.7	674.1	661.3	666.7	680.9
45°	889.1	845.3	833.9	822.0	788.2	782.7	778.6	761.7	745.3	763.1	787.3
47.5°	1048.5	1000.1	984.6	962.2	939.8	911.1	894.2	859.0	850.8	873.2	889.1
50°	1182.8	1145.8	1148.5	1117.0	1089.2	1070.4	1023.9	988.7	986.9	994.6	986.9
52.5°	1300.6	1292.8	1294.2	1274.6	1255.9	1232.6	1176.4	1155.4	1141.2	1129.4	1097.8
55°	1418.0	1443.6	1441.3	1456.3	1452.2	1435.3	1395.6	1400.2	1394.7	1355.9	1324.4
57.5°	1612.1	1651.3	1676.0	1697.9	1744.5	1739.5	1731.7	1801.6	1798.8	1761.9	1776.5
60°	1866.0	1908.4	1971.0	2027.2	2079.2	2093.4	2137.7	2233.6	2225.4	2229.5	2277.9
62.5°	2057.8	2111.2	2177.9	2243.6	2242.7	2279.7	2368.8	2417.2	2408.0	2473.8	2512.2
64°	2081.1	2137.7	2186.1	2235.4	2228.6	2266.0	2351.0	2374.3	2374.7	2454.6	2480.7
65°	2046.8	2107.1	2142.3	2185.6	2177.4	2218.5	2303.0	2302.1	2315.3	2396.6	2419.5
67.5°	1836.7	1918.5	1947.3	1963.2	1972.4	2034.0	2080.2	2061.0	2118.1	2151.4	2206.7
70°	1549.0	1640.4	1690.6	1697.5	1729.4	1791.5	1825.3	1789.3	1859.6	1837.2	1933.6
72.5°	1221.6	1307.0	1382.4	1390.6	1444.9	1476.9	1473.7	1474.1	1485.1	1449.9	1530.3
75°	848.5	913.8	971.3	978.7	1007.4	979.1	958.1	916.5	868.6	828.0	822.9
77.5°	577.7	599.2	593.7	572.2	548.9	511.9	482.7	474.5	443.9	431.1	404.6
80°	535.2	542.5	532.0	530.7	513.3	472.2	451.2	416.5	411.9	396.9	378.1
82.5°	535.2	538.9	540.7	551.2	527.9	496.4	460.3	408.7	390.9	350.7	326.5
85°	253.9	269.4	295.5	318.3	317.4	308.7	269.0	248.0	210.5	180.4	153.0
87.5°	113.3	126.0	140.7	146.1	151.2	146.1	132.4	119.6	98.2	76.7	63.5
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	45.2	45.2	45.2	45.2	44.8	44.8	44.8	44.8	44.8	44.3	44.3
5°	50.7	49.8	48.0	48.0	47.0	46.6	46.6	46.1	46.1	45.7	45.7
7.5°	68.5	68.0	66.7	61.2	53.0	49.8	47.0	47.0	46.6	47.0	48.0
10°	102.8	102.8	101.8	100.5	100.0	98.2	89.1	81.3	76.3	75.4	74.4
12.5°	97.7	100.0	105.9	109.1	109.1	108.7	107.8	105.0	92.2	84.5	82.7
15°	131.5	132.4	132.9	134.7	140.2	141.1	140.2	141.1	140.2	131.5	119.6
17.5°	148.0	144.8	144.8	146.1	151.6	148.9	154.4	170.8	174.0	160.3	161.7
20°	210.1	210.1	211.0	207.8	210.1	214.2	214.6	216.5	220.1	219.2	213.7
22.5°	249.3	246.1	253.9	257.6	258.9	258.5	258.0	257.1	258.9	261.7	259.4
25°	303.2	306.0	306.4	304.6	300.5	298.7	301.9	305.1	314.6	320.6	316.5
27.5°	335.2	343.4	364.4	359.9	357.1	360.3	362.6	370.4	367.2	364.9	371.3
30°	390.5	389.1	384.5	388.6	394.1	401.0	399.1	393.7	390.9	397.3	395.5
32.5°	464.4	459.0	467.6	480.0	488.6	481.3	476.3	482.7	482.7	475.9	483.6
35°	505.5	515.6	528.8	537.0	531.1	531.1	536.1	532.9	535.2	543.0	547.6
37.5°	555.3	571.8	580.0	571.8	573.6	584.5	585.0	589.6	594.1	602.8	615.6
40°	618.8	627.0	621.1	620.6	634.3	638.0	646.2	662.2	669.0	681.4	686.8
42.5°	697.3	699.6	700.5	717.0	719.3	723.4	744.4	759.0	776.8	781.8	775.0
45°	794.6	793.2	813.8	825.2	828.0	856.7	864.9	875.9	887.8	877.3	894.6
47.5°	883.2	905.6	932.1	933.0	956.3	975.0	982.3	992.4	982.8	993.7	980.9
50°	987.8	1028.0	1023.9	1057.2	1075.5	1079.1	1094.2	1079.6	1081.4	1070.9	1067.2
52.5°	1118.4	1135.3	1133.5	1180.0	1183.2	1196.0	1185.1	1176.4	1175.0	1161.3	1151.3
55°	1345.4	1323.0	1346.7	1364.1	1373.2	1378.2	1343.5	1358.6	1323.9	1323.4	1299.7
57.5°	1763.7	1759.6	1774.6	1755.5	1780.1	1741.3	1739.0	1708.4	1687.0	1686.5	1672.8
60°	2267.4	2331.3	2345.9	2327.7	2280.6	2262.4	2232.7	2206.7	2168.8	2171.9	2143.6
62.5°	2551.4	2639.6	2662.9	2674.7	2614.0	2586.6	2518.6	2475.2	2416.7	2398.0	2352.3
64°	2556.5	2644.6	2687.5	2705.8	2675.2	2632.3	2567.9	2502.6	2443.2	2394.3	2352.8
65°	2518.6	2594.4	2652.8	2671.1	2668.8	2612.2	2558.8	2481.6	2426.8	2359.2	2316.7
67.5°	2314.4	2381.6	2457.8	2488.0	2519.0	2499.4	2453.7	2378.8	2313.1	2231.8	2172.4
70°	1998.4	2056.9	2124.9	2168.8	2202.5	2219.0	2179.7	2122.2	2072.4	1976.9	1907.1
72.5°	1560.9	1570.5	1584.2	1586.0	1572.8	1566.4	1531.2	1535.3	1444.0	1386.0	1345.8
75°	775.4	743.5	665.8	637.1	571.3	532.5	487.7	469.9	423.3	410.1	374.5
77.5°	355.3	311.0	256.7	213.7	178.6	154.4	131.5	115.5	102.3	97.3	90.0
80°	348.0	312.8	270.8	239.3	202.3	169.0	137.5	107.8	86.8	74.0	65.8
82.5°	296.4	255.3	227.0	208.2	185.0	161.7	132.4	106.9	82.2	63.5	51.6
85°	121.5	99.1	84.0	76.3	68.0	59.8	51.6	44.3	39.7	33.8	30.6
87.5°	52.1	45.7	42.0	41.6	39.7	38.4	37.0	35.2	31.1	28.8	26.0
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
5°	45.7	45.7	45.2	45.2	45.2	45.2	45.7	45.2	45.2	45.2	45.2
7.5°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.9	48.4	48.4	48.9
10°	74.0	73.5	71.7	71.2	70.3	70.3	70.3	70.8	72.6	73.5	74.4
12.5°	80.8	81.7	82.7	80.8	81.7	79.5	80.8	81.7	81.3	81.7	80.8
15°	120.6	120.6	120.1	119.6	118.3	116.9	116.5	116.5	115.5	114.6	115.5
17.5°	159.8	159.8	157.6	155.7	155.7	146.1	153.0	150.7	152.1	145.7	163.0
20°	200.5	199.6	200.9	204.1	205.5	203.2	200.0	196.4	195.5	201.4	208.7
22.5°	258.9	257.1	252.1	245.7	244.8	244.3	250.3	250.3	250.7	253.5	258.0
25°	310.1	300.0	295.9	300.5	301.9	295.5	295.5	297.8	310.1	314.6	315.1
27.5°	372.6	369.5	366.7	361.2	358.9	368.1	373.1	367.6	365.8	372.6	372.6
30°	398.2	405.5	405.1	410.6	414.7	403.2	397.3	411.9	410.6	400.0	406.0
32.5°	491.8	495.5	500.5	507.4	502.3	509.6	501.9	495.9	505.5	503.7	496.9
35°	547.1	557.1	557.1	557.6	571.3	568.6	565.4	563.5	556.2	561.3	564.5
37.5°	614.7	608.3	613.8	620.6	623.4	626.6	627.5	629.8	620.2	613.8	604.6
40°	680.9	688.7	681.8	683.6	689.1	688.2	691.9	696.9	683.2	673.6	660.8
42.5°	780.5	777.7	775.9	773.2	766.8	773.2	766.8	752.1	755.3	741.2	722.9
45°	885.0	879.6	880.0	871.3	864.9	847.6	842.6	838.5	821.1	810.6	781.8
47.5°	981.9	977.7	963.1	966.3	946.7	926.1	913.4	907.0	883.2	854.9	837.5
50°	1065.0	1054.0	1054.5	1033.5	1019.3	1003.3	983.2	958.6	932.5	906.0	868.6
52.5°	1140.3	1139.4	1126.2	1111.5	1090.5	1081.9	1047.6	1012.4	980.9	949.4	907.4
55°	1315.2	1299.2	1271.4	1264.1	1254.0	1201.5	1175.9	1133.0	1084.1	1045.8	989.6
57.5°	1676.9	1655.9	1623.0	1619.8	1558.2	1516.2	1457.3	1407.0	1340.3	1275.0	1192.4
60°	2108.5	2077.4	2079.7	2032.2	1979.7	1929.5	1855.9	1784.7	1692.4	1580.6	1442.2
62.5°	2311.2	2281.1	2255.1	2201.2	2145.5	2090.2	2029.5	1934.0	1845.0	1714.4	1542.6
64°	2304.4	2267.4	2227.7	2173.3	2123.1	2058.7	1997.0	1910.3	1809.8	1688.8	1507.5
65°	2271.0	2229.9	2178.8	2126.7	2066.5	2006.6	1945.9	1867.3	1756.4	1639.0	1456.3
67.5°	2113.9	2061.0	2006.2	1955.9	1892.5	1833.1	1778.7	1708.0	1592.9	1466.8	1302.9
70°	1855.5	1790.2	1729.9	1697.5	1651.3	1598.4	1532.6	1473.2	1366.8	1241.7	1092.8
72.5°	1274.1	1198.8	1156.8	1170.5	1124.3	1107.9	1092.4	1045.8	952.6	862.7	767.2
75°	398.7	368.5	348.4	373.1	356.2	383.6	374.9	366.7	342.0	331.5	298.2
77.5°	90.4	86.3	84.5	83.6	84.0	83.6	82.2	81.7	80.4	81.3	79.0
80°	62.6	59.8	58.9	57.5	56.6	55.3	53.9	53.4	53.0	52.1	51.6
82.5°	45.2	41.6	41.1	40.2	39.7	38.8	38.4	39.3	38.8	40.2	40.2
85°	29.2	27.4	26.5	26.9	26.5	27.4	27.9	28.8	30.1	31.5	33.8
87.5°	24.2	22.8	22.8	23.3	24.2	25.1	27.4	30.1	32.4	36.1	40.2
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°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	45.2	45.7	48.0
5°	45.2	45.7	45.2	45.7	45.7	45.7	46.1	46.1	58.0	70.3	49.3
7.5°	48.4	48.9	48.4	48.0	47.5	47.0	49.3	51.6	64.8	46.1	45.2
10°	74.9	75.4	75.8	80.4	87.2	96.8	98.6	98.6	71.7	62.6	70.3
12.5°	80.8	84.0	97.7	102.8	102.8	102.8	101.8	96.4	75.8	99.1	98.6
15°	123.8	133.8	134.3	134.7	134.3	125.6	117.4	115.1	118.3	106.4	101.4
17.5°	158.5	140.2	153.0	127.9	120.6	122.4	124.2	127.0	144.3	134.7	124.7
20°	212.4	212.8	200.0	195.5	192.3	191.8	192.7	194.5	183.6	151.2	139.3
22.5°	253.5	246.6	248.9	252.1	249.3	243.0	240.2	237.0	217.4	199.6	147.0
25°	304.6	303.2	300.0	299.6	306.4	310.5	307.3	302.8	271.7	200.5	157.1
27.5°	371.7	374.5	373.6	364.0	359.4	365.8	359.4	345.7	304.6	248.9	162.1
30°	406.4	412.8	416.0	415.6	404.6	404.6	401.4	410.6	335.2	242.5	166.2
32.5°	500.5	501.0	499.6	500.1	498.2	482.7	466.7	458.0	330.6	248.0	158.5
35°	552.1	548.0	548.9	539.8	528.8	517.4	500.5	479.5	353.9	227.4	139.7
37.5°	607.8	592.8	576.8	569.0	553.0	539.3	526.5	501.4	342.5	210.5	119.6
40°	646.7	642.1	611.9	592.3	581.3	559.9	538.0	522.0	321.0	174.9	101.4
42.5°	692.8	673.1	659.0	620.6	596.0	579.1	548.0	518.8	287.2	141.6	88.1
45°	750.3	712.4	681.8	657.2	605.6	573.6	544.4	509.2	244.3	115.5	79.9
47.5°	796.4	755.3	702.8	659.4	617.0	553.9	520.6	480.0	203.7	99.6	74.4
50°	835.7	777.7	718.4	651.2	596.4	531.1	477.7	445.3	168.1	86.8	68.0
52.5°	859.5	795.1	722.0	641.6	564.5	504.2	445.3	399.1	141.1	77.6	61.7
55°	910.2	838.9	744.8	648.5	555.8	482.2	428.4	371.7	125.1	69.4	56.6
57.5°	1081.0	959.9	843.0	715.2	602.4	507.8	443.0	381.8	116.5	63.5	52.5
60°	1297.9	1133.5	966.8	802.4	663.1	549.4	460.8	396.9	107.3	59.8	50.2
62.5°	1368.2	1177.8	986.4	818.4	659.0	537.0	445.3	374.9	94.1	57.1	49.8
64°	1320.7	1128.4	943.0	772.2	621.1	500.5	411.9	339.8	84.9	56.2	51.6
65°	1266.4	1076.8	902.4	735.7	588.2	468.5	381.3	314.2	79.0	55.7	53.4
67.5°	1109.3	934.4	766.8	610.6	482.2	379.0	295.5	236.1	66.2	57.1	59.8
70°	931.6	754.4	614.7	475.9	366.3	278.6	209.2	161.7	57.5	60.7	64.8
72.5°	660.8	513.8	423.3	319.7	241.6	176.3	133.3	101.8	50.7	58.9	60.3
75°	261.7	219.2	175.4	136.5	111.4	91.3	76.7	62.6	45.7	52.5	47.5
77.5°	73.5	69.0	63.9	57.5	53.9	50.7	47.5	45.2	41.1	44.3	35.6
80°	49.3	47.5	46.1	44.8	43.8	42.5	41.6	41.1	37.9	37.0	26.5
82.5°	39.7	39.7	40.2	40.2	40.6	41.1	41.1	41.1	37.0	32.9	21.9
85°	36.1	38.4	41.1	44.3	46.6	47.5	48.0	47.0	35.2	28.3	17.4
87.5°	44.8	49.8	54.8	59.4	60.3	62.1	59.4	58.0	28.3	22.8	11.0
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°	44.3	44.3	44.3	44.3	44.3
2.5°	53.4	68.0	71.2	71.2	69.9
5°	45.7	45.2	43.8	43.8	43.8
7.5°	45.7	61.7	69.4	70.8	69.9
10°	69.9	72.2	71.7	70.3	69.9
12.5°	72.6	79.0	93.2	91.8	92.2
15°	118.7	90.0	88.6	85.9	85.9
17.5°	113.3	96.8	101.4	99.6	99.6
20°	125.1	112.8	95.4	95.0	92.7
22.5°	129.7	118.7	103.7	99.6	99.6
25°	133.3	109.6	95.9	101.8	101.8
27.5°	122.8	110.5	93.2	89.1	88.6
30°	125.6	100.0	92.7	87.7	87.2
32.5°	114.6	92.2	83.6	86.8	86.8
35°	102.3	87.2	81.7	82.7	82.7
37.5°	92.2	81.7	82.2	83.6	83.6
40°	83.1	79.0	83.1	84.9	84.5
42.5°	77.2	75.8	77.6	79.5	79.0
45°	71.7	70.8	72.6	73.5	73.1
47.5°	67.1	67.1	67.6	68.0	68.0
50°	62.6	63.5	63.5	63.5	63.0
52.5°	58.5	58.5	59.4	58.9	58.9
55°	54.3	54.8	56.2	55.3	54.8
57.5°	50.7	52.5	52.5	51.6	51.1
60°	48.9	50.7	49.8	48.0	47.5
62.5°	49.8	49.3	47.5	45.2	44.8
64°	51.1	49.3	46.6	43.8	43.8
65°	52.5	49.3	46.1	42.9	42.9
67.5°	58.0	52.1	48.9	42.5	41.6
70°	61.2	56.2	52.5	42.5	40.6
72.5°	55.7	53.0	52.5	41.6	39.3
75°	42.9	44.8	47.0	38.8	37.0
77.5°	32.9	37.9	43.8	33.8	31.1
80°	26.5	36.1	45.7	28.3	23.7
82.5°	22.8	43.4	47.0	23.3	19.6
85°	18.7	48.9	46.1	20.1	14.2
87.5°	13.7	23.3	31.1	18.3	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)