

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: P157019

Luminaire Tested: **UTLD-E03-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157019
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33667)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-RW-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7193.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 75.2
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

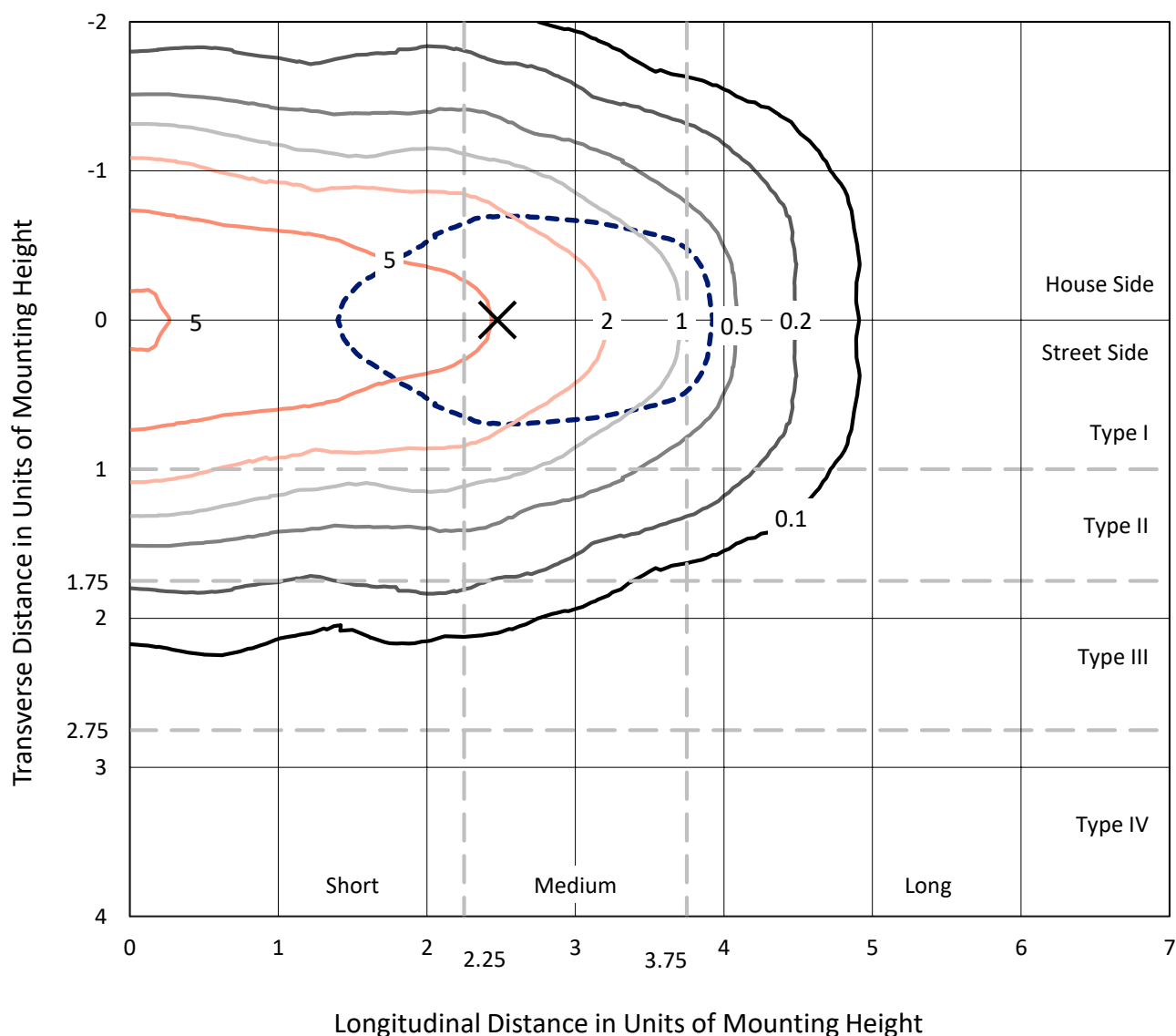


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

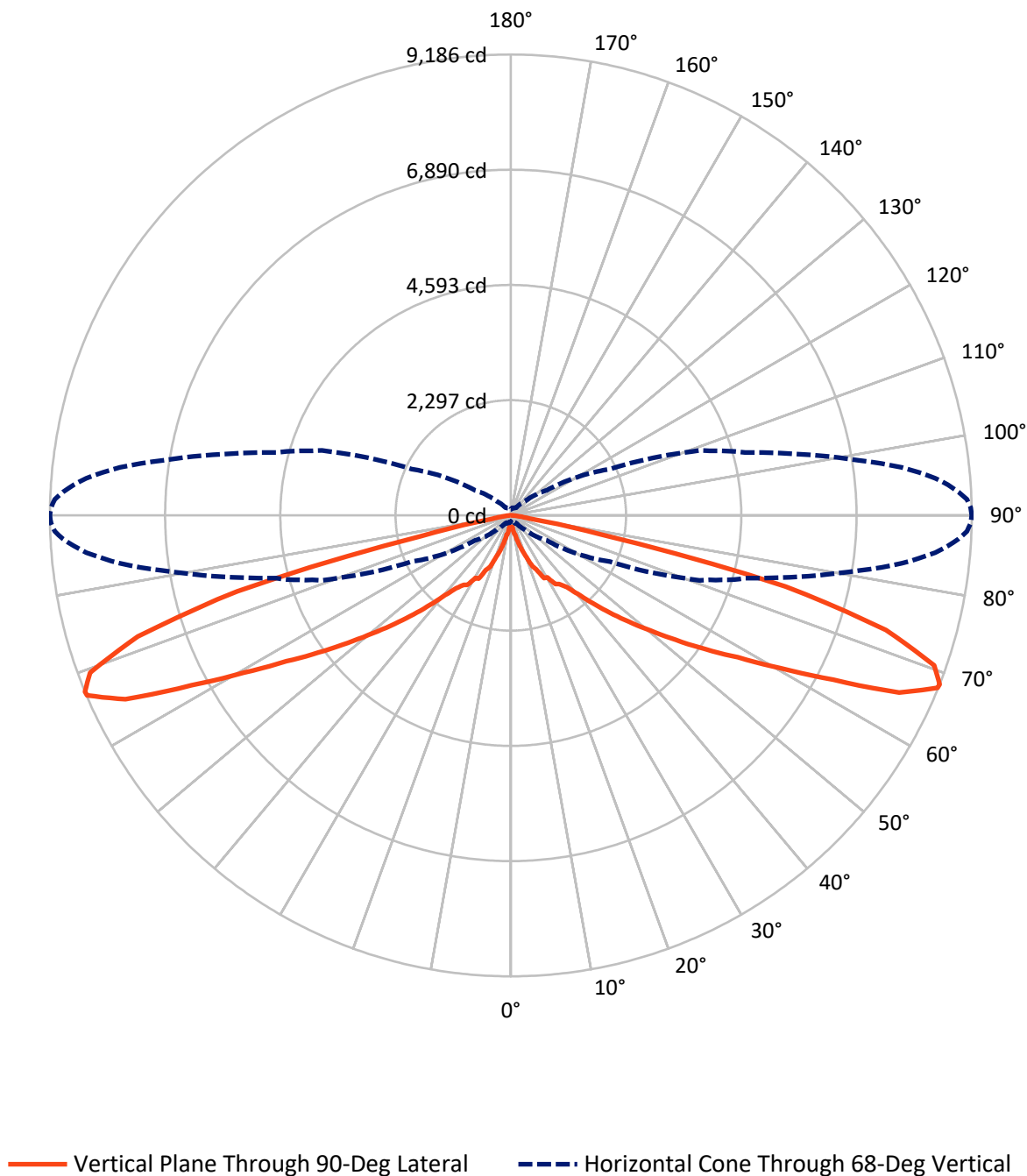


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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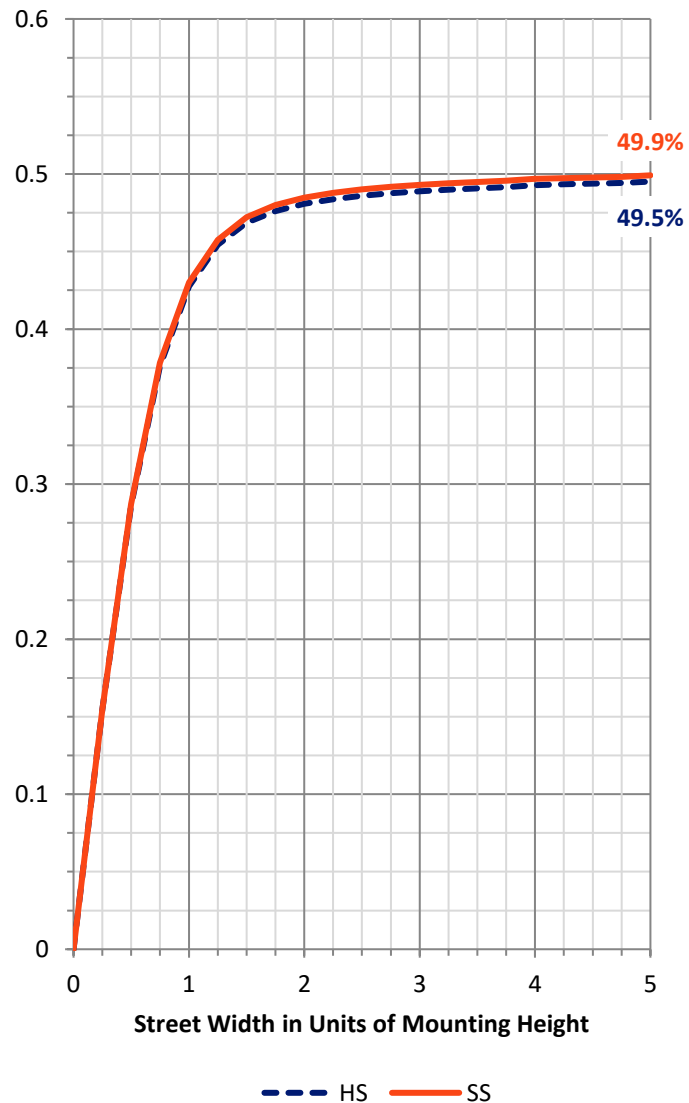
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3596.9	0.0	3596.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3596.9	0.0	3596.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7193.8	0.0	7193.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	0.4
10°-20°	188.3	2.6
20°-30°	514.8	7.2
30°-40°	847.4	11.8
40°-50°	1138.2	15.8
50°-60°	1429.9	19.9
60°-70°	1837.3	25.5
70°-80°	1077.1	15.0
80°-90°	128.6	1.8
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°	7193.8	100.0
0°-180°	7193.8	100.0

Coefficient of Utilization



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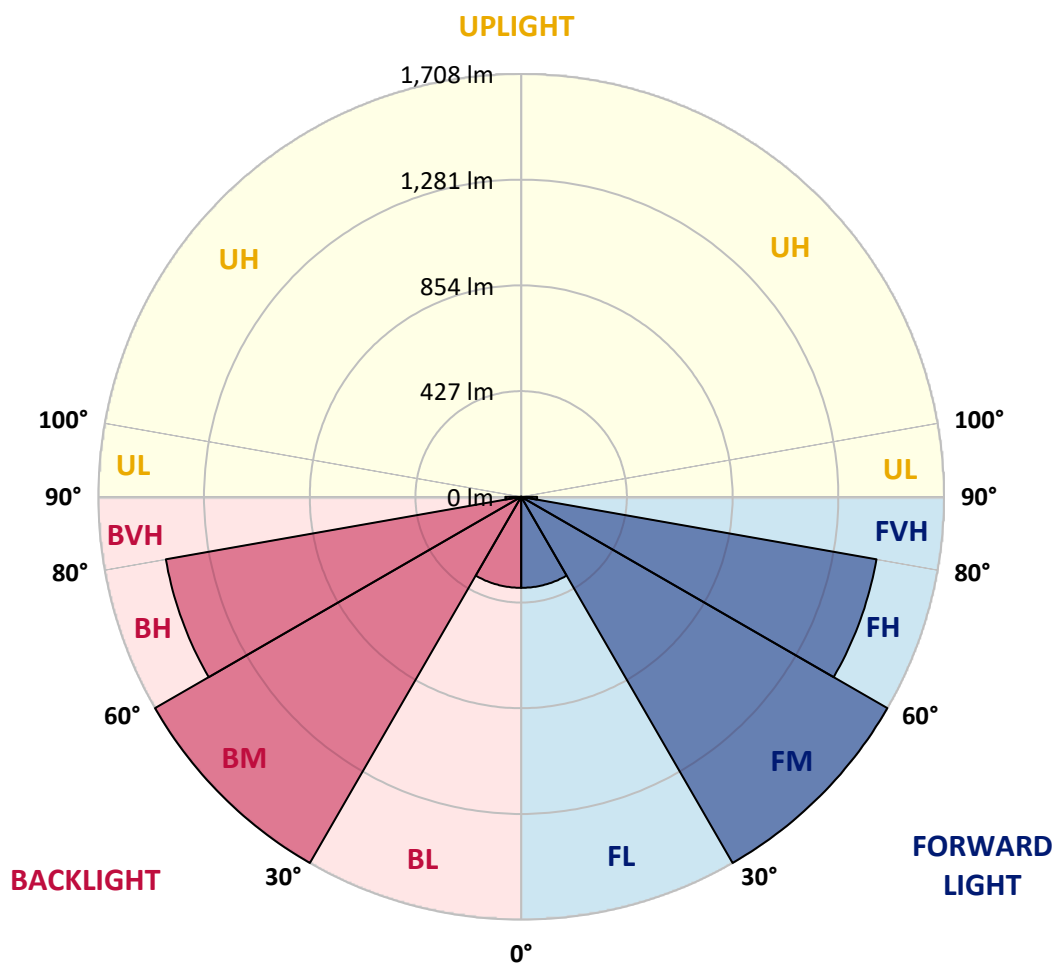
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.6	5.1			
FM	(30°-60°)	1707.7	23.7			
FH	(60°-80°)	1457.2	20.3			G1/1800
FVH	(80°-90°)	64.3	0.9			G1/100
BL	(0°-30°)	367.6	5.1	B1/500		
BM	(30°-60°)	1707.7	23.7	B2/2500		
BH	(60°-80°)	1457.2	20.3	B3/2500		G1/1800
BVH	(80°-90°)	64.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2
2.5°	301.4	305.6	291.1	301.4	305.6	309.6	311.0	289.8	286.4	282.9	279.5
5°	280.8	287.8	281.6	283.6	291.8	349.4	341.8	296.6	297.6	298.5	299.5
7.5°	415.8	423.4	401.4	369.2	361.0	298.0	277.5	335.0	327.2	319.4	311.5
10°	463.8	450.7	450.8	449.4	439.8	376.8	393.2	413.8	428.0	442.2	456.5
12.5°	606.2	607.6	587.0	531.6	506.2	582.2	535.6	449.4	446.6	443.9	441.2
15°	685.7	678.2	623.4	616.6	735.0	665.2	611.7	683.0	670.5	658.0	645.6
17.5°	770.0	772.7	767.2	704.9	767.9	756.9	787.1	748.0	736.1	724.2	712.3
20°	833.6	835.7	830.9	876.1	875.4	894.0	835.8	915.2	928.3	941.5	954.6
22.5°	883.6	888.5	887.1	942.6	997.4	964.5	1090.6	1076.2	1072.0	1067.9	1063.8
25°	963.8	964.5	924.1	972.0	1061.1	1120.7	1184.4	1285.8	1297.0	1308.3	1319.5
27.5°	983.7	987.8	946.7	1030.3	1068.0	1229.6	1435.1	1405.6	1395.2	1384.8	1374.4
30°	976.8	985.7	1010.4	1052.2	1146.1	1292.6	1444.7	1553.6	1546.2	1538.8	1531.4
32.5°	999.4	1006.3	982.3	1029.6	1146.0	1325.5	1546.8	1600.2	1617.6	1635.0	1652.4
35°	968.0	974.8	965.2	1011.0	1120.6	1280.3	1534.4	1771.4	1766.0	1760.5	1755.0
37.5°	950.1	949.4	946.6	992.6	1101.5	1267.9	1600.2	1814.6	1822.1	1829.7	1837.2
40°	904.2	910.4	909.0	950.8	1052.2	1249.4	1577.6	1873.5	1900.2	1926.9	1953.7
42.5°	809.7	814.5	829.6	887.8	995.4	1206.3	1559.1	1957.8	1992.0	2026.2	2060.5
45°	722.0	722.7	743.2	800.8	911.8	1146.0	1561.2	2061.2	2097.6	2134.1	2170.5
47.5°	633.0	635.7	658.3	716.5	815.8	1063.8	1552.9	2157.8	2205.2	2252.6	2300.0
50°	545.3	550.8	578.8	637.8	728.9	959.7	1513.9	2266.0	2325.1	2384.1	2443.2
52.5°	454.2	459.6	492.5	558.3	652.2	863.1	1426.2	2367.4	2445.0	2522.5	2600.0
55°	353.4	363.0	401.4	465.8	573.4	778.2	1289.2	2459.2	2558.0	2656.8	2755.5
57.5°	259.0	264.4	302.8	369.9	487.0	700.1	1139.9	2481.8	2606.9	2732.0	2857.1
60°	185.0	191.1	226.0	278.2	388.4	621.3	1017.2	2422.2	2582.6	2743.1	2903.5
62.5°	152.1	156.9	187.7	213.8	297.3	536.4	932.3	2337.2	2547.8	2758.4	2969.0
65°	137.7	141.1	172.0	181.6	228.8	456.9	891.9	2311.2	2574.3	2837.3	3100.4
67.5°	126.0	131.5	159.6	164.4	194.5	413.1	878.2	2243.4	2533.9	2824.3	3114.8
68°	124.0	129.5	156.9	161.6	191.1	407.6	869.3	2184.5	2475.9	2767.3	3058.7
70°	117.2	121.9	146.6	151.4	186.4	380.8	772.0	1851.0	2122.8	2394.6	2666.4
72.5°	108.9	111.6	134.3	139.7	167.8	277.4	562.4	1244.6	1473.3	1702.0	1930.6
75°	95.2	100.0	121.2	128.8	129.4	167.2	355.5	729.6	881.3	1033.1	1184.9
77.5°	82.2	87.0	105.5	128.1	106.8	116.4	228.1	433.6	502.1	570.6	639.1
80°	71.2	76.7	93.8	131.5	92.5	96.6	179.5	354.2	387.3	420.5	453.6
82.5°	54.8	61.0	82.2	119.2	76.8	78.1	145.2	337.0	362.0	386.9	411.8
85°	35.6	39.8	65.1	91.2	59.6	49.3	102.8	276.0	294.4	312.8	331.1
87.5°	17.1	26.0	45.2	47.2	36.3	26.7	56.8	167.8	181.6	195.5	209.3
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2
2.5°	276.1	272.6	271.2	265.8	261.0	257.6	254.2	250.7	246.6	243.2	243.2
5°	300.4	301.4	305.5	305.5	305.5	303.4	299.4	295.2	293.2	284.3	274.7
7.5°	303.7	295.9	280.2	278.2	283.6	291.2	293.2	296.0	298.0	296.6	295.2
10°	470.7	485.0	486.4	481.6	478.2	464.4	452.8	430.2	432.2	443.9	448.0
12.5°	438.4	435.6	444.6	469.2	496.0	499.4	502.1	498.7	487.7	468.6	449.4
15°	633.1	620.7	620.7	619.3	615.2	609.0	619.2	641.8	650.0	648.8	646.6
17.5°	700.4	688.4	680.2	652.2	634.3	628.2	623.4	626.8	633.0	659.0	677.4
20°	967.8	980.9	996.7	985.0	978.2	959.7	935.8	928.9	923.4	929.6	935.7
22.5°	1059.7	1055.6	1063.2	1024.8	1096.7	1082.3	1095.4	1120.0	1104.9	1094.0	1083.7
25°	1330.7	1341.9	1330.3	1326.2	1304.2	1287.8	1298.1	1294.0	1261.8	1243.3	1247.4
27.5°	1364.0	1353.6	1337.2	1329.6	1326.2	1352.2	1376.9	1339.2	1413.8	1395.4	1425.5
30°	1524.0	1516.6	1493.3	1487.8	1506.3	1495.4	1469.4	1471.4	1476.2	1475.5	1460.4
32.5°	1669.8	1687.2	1672.8	1711.8	1696.8	1665.3	1669.4	1690.0	1684.4	1661.2	1652.2
35°	1749.5	1744.0	1775.6	1778.3	1745.4	1743.4	1759.1	1757.1	1738.6	1742.0	1742.6
37.5°	1844.7	1852.2	1882.4	1851.6	1855.0	1873.5	1875.6	1855.7	1857.8	1866.0	1874.2
40°	1980.4	2007.1	1985.8	1982.4	2011.2	2042.7	2023.6	2024.9	2041.4	2061.9	2043.4
42.5°	2094.8	2129.0	2121.5	2157.8	2201.6	2219.4	2231.8	2265.4	2301.0	2288.6	2332.4
45°	2207.0	2243.4	2277.0	2346.2	2391.4	2405.8	2475.0	2527.0	2544.8	2575.0	2631.8
47.5°	2347.4	2394.8	2466.0	2540.0	2566.8	2641.4	2723.0	2771.6	2805.1	2896.9	2923.6
50°	2502.2	2561.2	2655.2	2717.4	2769.6	2864.0	2958.5	3003.1	3112.0	3176.4	3230.5
52.5°	2677.6	2755.1	2848.3	2889.4	2979.1	3107.9	3166.8	3247.0	3368.2	3447.6	3577.2
55°	2854.3	2953.1	3017.5	3090.8	3196.3	3310.0	3366.8	3518.9	3607.3	3740.2	3914.8
57.5°	2982.2	3107.2	3157.9	3278.4	3401.8	3466.8	3592.8	3730.6	3838.2	4055.2	4232.7
60°	3063.9	3224.4	3327.8	3467.6	3586.8	3671.0	3844.3	3973.8	4164.2	4409.4	4621.1
62.5°	3179.5	3390.1	3577.8	3766.2	3835.4	4008.0	4184.1	4339.5	4644.4	4915.0	5185.5
65°	3363.4	3626.4	3897.0	4099.8	4237.4	4466.3	4651.9	4906.8	5249.2	5591.8	5903.5
67.5°	3405.2	3695.6	4025.8	4209.4	4434.8	4671.8	4862.9	5202.6	5543.8	5905.4	6276.8
68°	3350.1	3641.5	3977.9	4163.5	4399.8	4637.6	4835.5	5171.8	5513.0	5872.6	6251.5
70°	2938.2	3210.0	3521.0	3747.0	4020.3	4207.4	4464.9	4779.4	5101.2	5477.4	5861.0
72.5°	2159.3	2388.0	2684.6	2906.6	3198.3	3357.2	3613.4	3884.0	4202.6	4573.8	4956.0
75°	1336.7	1488.5	1723.5	1922.8	2127.6	2279.8	2504.4	2751.0	2992.2	3286.7	3621.6
77.5°	707.6	776.2	914.5	1013.2	1119.3	1190.6	1263.2	1407.7	1474.1	1553.6	1659.8
80°	486.8	520.0	567.2	593.9	581.6	532.2	464.4	441.2	420.0	391.1	364.4
82.5°	436.8	461.7	492.5	517.9	519.2	472.6	387.7	325.4	281.6	239.0	206.2
85°	349.5	367.8	387.7	408.2	428.2	398.7	337.0	264.4	204.2	163.7	140.4
87.5°	223.2	237.0	250.0	274.0	284.3	276.0	245.2	194.6	144.6	111.0	92.5
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2
2.5°	236.3	236.3	235.0	233.6	231.5	230.2	229.4	230.2	229.5	228.8	228.8
5°	267.2	258.2	250.0	245.2	239.8	237.0	239.8	234.3	232.2	230.8	231.5
7.5°	295.2	293.8	291.2	278.8	260.4	243.8	236.4	233.6	233.6	232.9	232.9
10°	449.4	445.2	438.4	430.8	424.7	406.2	384.3	376.0	370.6	369.9	368.5
12.5°	452.8	461.0	463.8	463.8	457.6	454.2	432.9	409.6	396.6	396.0	394.6
15°	630.2	602.1	608.3	617.9	616.6	615.8	617.2	589.2	570.6	567.8	567.2
17.5°	674.0	687.1	654.2	724.8	687.8	728.2	709.0	748.0	717.9	731.0	734.3
20°	954.2	950.8	946.0	932.3	930.2	941.9	954.2	944.0	914.4	898.8	889.1
22.5°	1090.6	1112.4	1122.0	1118.6	1105.6	1099.4	1097.4	1089.9	1085.7	1092.6	1098.8
25°	1254.9	1245.4	1256.4	1255.6	1244.0	1235.1	1249.4	1258.4	1257.0	1222.1	1197.4
27.5°	1421.4	1402.9	1399.5	1400.8	1413.2	1410.4	1413.8	1406.4	1393.3	1402.2	1413.9
30°	1445.4	1437.8	1448.1	1436.4	1440.6	1434.4	1424.1	1416.6	1448.2	1443.3	1431.7
32.5°	1648.8	1656.4	1633.8	1628.3	1627.6	1607.0	1608.4	1624.2	1616.6	1626.9	1629.0
35°	1745.4	1724.8	1718.7	1705.7	1685.8	1704.3	1697.4	1695.4	1694.0	1692.7	1683.8
37.5°	1857.1	1872.2	1854.4	1833.8	1855.7	1844.7	1837.2	1835.2	1831.8	1819.4	1816.7
40°	2059.2	2075.6	2061.2	2088.0	2083.1	2089.3	2075.6	2070.1	2056.4	2063.2	2057.8
42.5°	2338.0	2342.8	2384.5	2413.3	2411.9	2411.9	2403.7	2403.0	2375.6	2378.4	2390.7
45°	2641.4	2699.0	2735.2	2769.5	2781.9	2786.0	2770.8	2786.0	2764.7	2740.0	2763.3
47.5°	2981.8	3059.3	3107.9	3142.8	3160.0	3157.2	3171.6	3164.8	3154.5	3171.6	3166.1
50°	3357.2	3425.1	3497.0	3526.4	3536.0	3559.3	3585.4	3606.6	3616.2	3597.0	3610.0
52.5°	3696.3	3803.2	3886.8	3930.6	3973.0	4005.2	4050.5	4092.2	4108.0	4122.4	4123.8
55°	4062.1	4203.2	4298.4	4374.5	4445.0	4506.0	4574.5	4628.6	4672.5	4703.3	4707.4
57.5°	4409.4	4567.0	4691.0	4836.2	4922.5	5040.4	5129.4	5217.0	5299.3	5318.4	5333.5
60°	4846.4	5040.3	5242.4	5386.2	5558.2	5742.5	5863.0	5987.0	6035.6	6126.8	6177.4
62.5°	5447.9	5674.0	5958.2	6176.1	6414.4	6643.2	6848.8	7002.2	7076.2	7175.5	7211.8
65°	6239.8	6595.3	6890.6	7238.6	7535.8	7813.2	8057.8	8273.6	8377.7	8494.8	8507.9
67.5°	6647.4	7033.8	7447.5	7844.0	8164.6	8486.7	8723.0	8927.8	9090.1	9152.4	9175.1
68°	6631.6	7020.0	7451.6	7850.2	8179.0	8493.4	8731.8	8938.7	9095.6	9164.1	9186.0
70°	6296.6	6670.6	7168.7	7554.4	7895.4	8235.2	8462.0	8668.2	8803.1	8880.5	8951.7
72.5°	5340.4	5782.2	6217.9	6580.2	6946.7	7226.8	7399.5	7628.3	7694.8	7787.2	7816.0
75°	3932.0	4314.2	4621.1	4847.2	5110.2	5302.7	5454.8	5454.8	5542.5	5557.5	5655.5
77.5°	1813.2	1837.9	1887.2	1851.6	1883.1	1935.8	1871.4	1798.2	1845.4	1720.0	1831.7
80°	375.4	353.5	364.4	352.1	354.8	360.3	370.6	365.2	364.4	359.0	365.8
82.5°	187.7	185.6	186.3	187.0	187.0	187.0	187.7	187.7	189.0	186.4	186.3
85°	126.7	121.2	122.0	119.2	117.8	117.2	113.0	109.0	111.0	109.6	104.1
87.5°	82.2	76.1	73.3	69.8	66.4	63.7	60.3	56.2	51.4	50.0	48.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)