

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: P157023

Luminaire Tested: **UTLD-F03-LED-E-U-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157023
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-F03-LED-E-U-RW-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5487.7 lumens
Efficiency: N/A
Efficacy: 70.1 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): 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

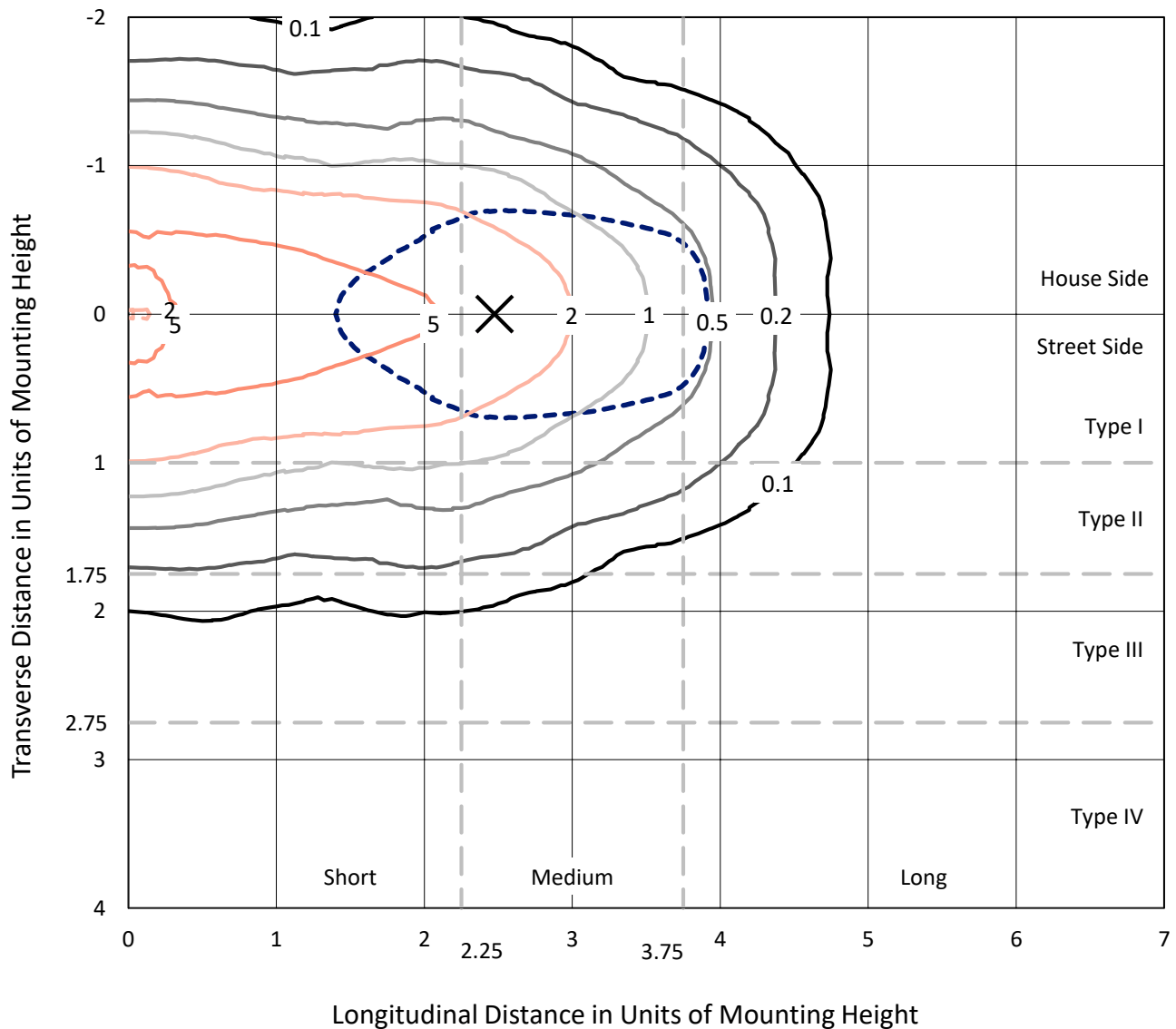


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

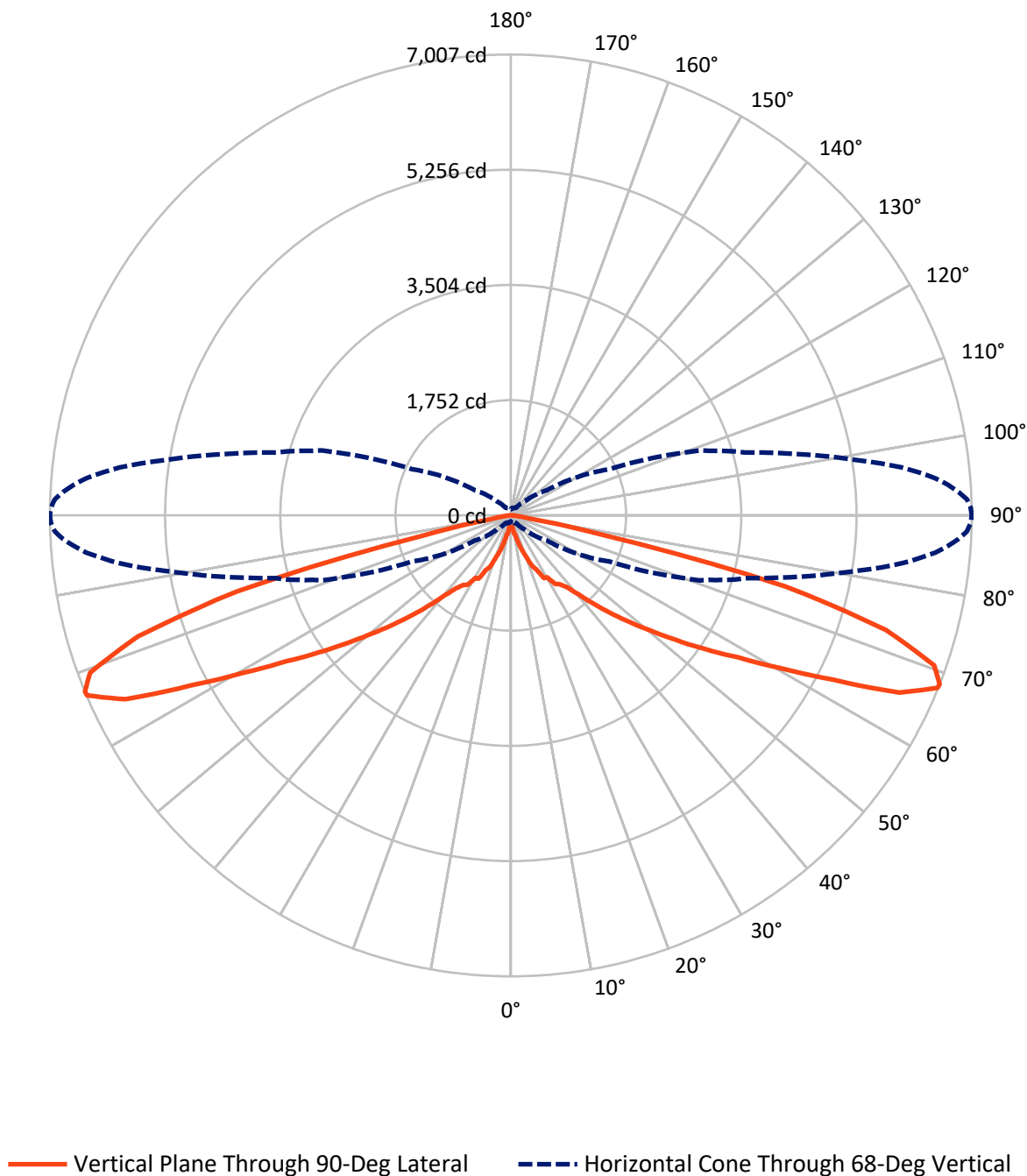


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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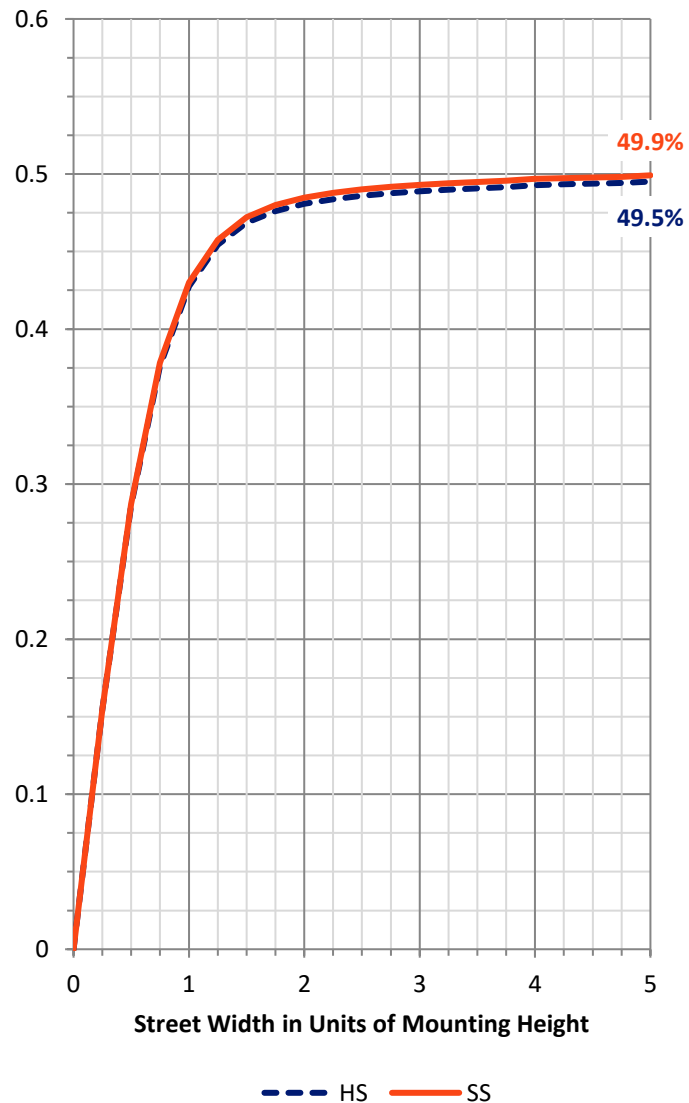
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2743.8	0.0	2743.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2743.8	0.0	2743.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5487.7	0.0	5487.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.4
10°-20°	143.7	2.6
20°-30°	392.7	7.2
30°-40°	646.4	11.8
40°-50°	868.3	15.8
50°-60°	1090.8	19.9
60°-70°	1401.5	25.5
70°-80°	821.7	15.0
80°-90°	98.1	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°	5487.7	100.0
0°-180°	5487.7	100.0

Coefficient of Utilization



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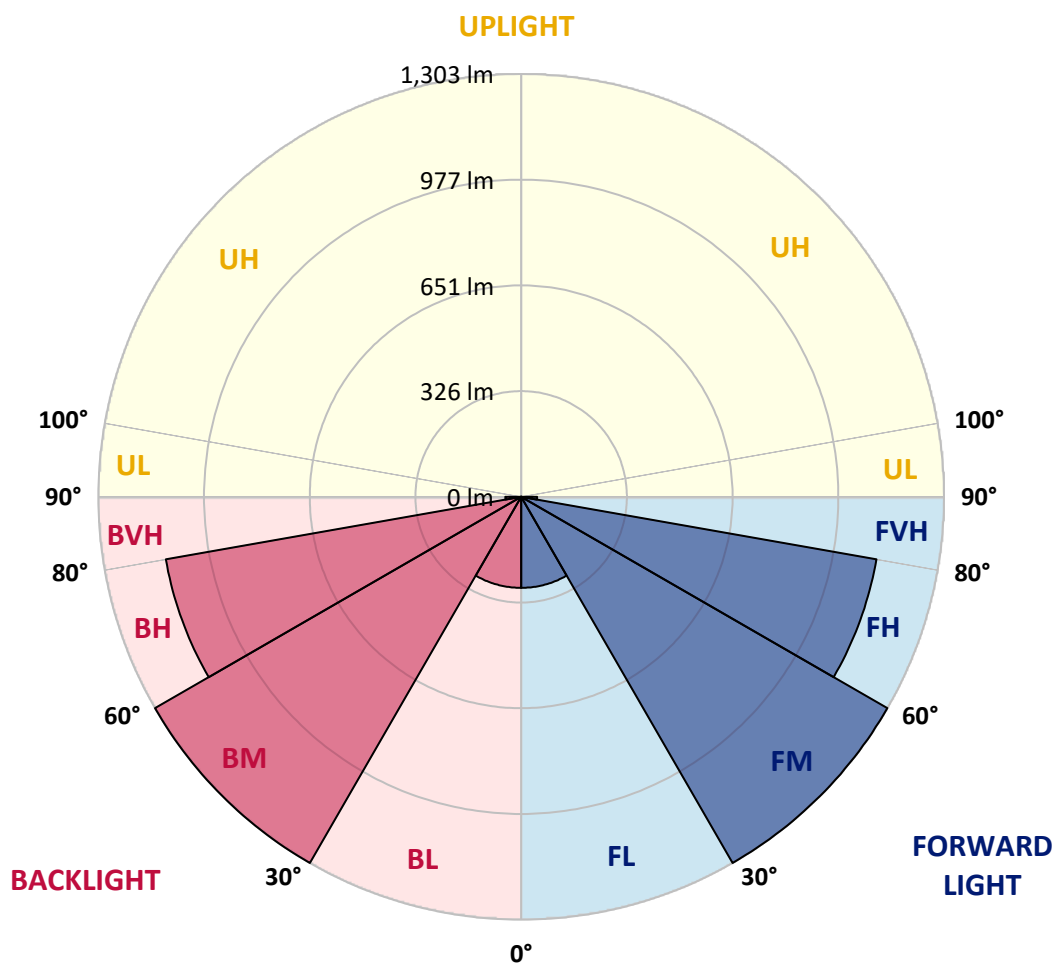
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.4	5.1			
FM	(30°-60°)	1302.7	23.7			
FH	(60°-80°)	1111.6	20.3			G1/1800
FVH	(80°-90°)	49.1	0.9			G1/100
BL	(0°-30°)	280.4	5.1	B1/500		
BM	(30°-60°)	1302.7	23.7	B2/2500		
BH	(60°-80°)	1111.6	20.3	B3/2500		G1/1800
BVH	(80°-90°)	49.1	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°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6
2.5°	230.0	233.0	222.0	230.0	233.0	236.2	237.2	221.0	218.4	215.8	213.2
5°	214.2	219.4	214.8	216.4	222.6	266.5	260.8	226.2	227.0	227.7	228.5
7.5°	317.2	322.9	306.2	281.6	275.4	227.3	211.6	255.6	249.6	243.6	237.7
10°	353.8	343.8	343.8	342.8	335.4	287.4	300.0	315.6	326.5	337.4	348.2
12.5°	462.4	463.5	447.8	405.5	386.2	444.2	408.7	342.8	340.7	338.6	336.5
15°	523.0	517.3	475.5	470.3	560.7	507.4	466.6	521.0	511.5	502.0	492.4
17.5°	587.4	589.4	585.3	537.8	585.8	577.4	600.4	570.6	561.5	552.4	543.3
20°	636.0	637.5	633.8	668.4	667.8	682.0	637.5	698.2	708.2	718.2	728.2
22.5°	674.0	677.8	676.7	719.0	760.8	735.8	831.9	821.0	817.8	814.7	811.5
25°	735.2	735.8	705.0	741.5	809.4	854.9	903.5	980.8	989.4	998.0	1006.5
27.5°	750.4	753.5	722.2	785.9	814.6	938.0	1094.8	1072.3	1064.4	1056.4	1048.4
30°	745.2	752.0	770.8	802.6	874.2	986.0	1102.0	1185.2	1179.5	1173.8	1168.2
32.5°	762.4	767.7	749.4	785.4	874.2	1011.2	1179.9	1220.7	1234.0	1247.2	1260.5
35°	738.4	743.6	736.2	771.2	854.9	976.6	1170.5	1351.3	1347.1	1342.9	1338.8
37.5°	724.8	724.2	722.2	757.2	840.2	967.2	1220.7	1384.2	1390.0	1395.8	1401.5
40°	689.8	694.4	693.4	725.3	802.7	953.2	1203.4	1429.2	1449.6	1470.0	1490.3
42.5°	617.6	621.4	632.8	677.2	759.3	920.2	1189.4	1493.4	1519.6	1545.7	1571.8
45°	550.8	551.3	567.0	610.8	695.6	874.2	1190.9	1572.4	1600.2	1628.0	1655.8
47.5°	482.8	485.0	502.2	546.6	622.3	811.5	1184.6	1646.0	1682.2	1718.4	1754.5
50°	416.0	420.2	441.6	486.5	556.0	732.1	1154.8	1728.6	1773.6	1818.7	1863.7
52.5°	346.5	350.6	375.7	425.8	497.4	658.4	1087.9	1806.0	1865.1	1924.2	1983.4
55°	269.6	277.0	306.2	355.4	437.4	593.6	983.4	1876.0	1951.3	2026.7	2102.0
57.5°	197.6	201.8	231.0	282.2	371.6	534.0	869.5	1893.2	1988.6	2084.0	2179.5
60°	141.1	145.8	172.4	212.2	296.3	474.0	776.0	1847.8	1970.1	2092.5	2214.9
62.5°	116.0	119.6	143.1	163.0	226.8	409.2	711.2	1783.0	1943.6	2104.2	2264.9
65°	105.0	107.6	131.1	138.4	174.5	348.6	680.4	1763.1	1963.8	2164.4	2365.1
67.5°	96.2	100.3	121.8	125.4	148.4	315.1	669.9	1711.4	1932.9	2154.5	2376.1
68°	94.6	98.8	119.6	123.4	145.8	311.0	663.1	1666.4	1888.7	2111.0	2333.3
70°	89.4	93.0	111.8	115.5	142.1	290.6	589.0	1411.9	1619.3	1826.6	2034.0
72.5°	83.1	85.2	102.4	106.6	128.0	211.6	429.0	949.5	1123.9	1298.3	1472.8
75°	72.6	76.2	92.5	98.2	98.8	127.5	271.2	556.5	672.3	788.1	903.9
77.5°	62.7	66.4	80.4	97.7	81.6	88.8	174.0	330.8	383.0	435.3	487.5
80°	54.3	58.5	71.6	100.3	70.6	73.6	137.0	270.2	295.4	320.7	346.0
82.5°	41.8	46.5	62.7	90.9	58.6	59.6	110.8	257.1	276.1	295.1	314.2
85°	27.2	30.4	49.7	69.5	45.4	37.7	78.4	210.6	224.6	238.6	252.6
87.5°	13.0	19.8	34.5	36.0	27.7	20.4	43.4	128.0	138.6	149.1	159.7
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6
2.5°	210.6	208.0	206.9	202.8	199.1	196.4	193.9	191.2	188.1	185.5	185.5
5°	229.2	230.0	233.0	233.0	233.0	231.5	228.4	225.2	223.6	216.8	209.6
7.5°	231.7	225.8	213.8	212.2	216.3	222.1	223.6	225.7	227.3	226.2	225.2
10°	359.1	370.0	371.0	367.4	364.8	354.3	345.4	328.2	329.8	338.6	341.8
12.5°	334.4	332.4	339.2	358.0	378.4	380.9	383.0	380.4	372.0	357.4	342.8
15°	482.9	473.4	473.4	472.4	469.2	464.6	472.4	489.6	495.9	494.8	493.3
17.5°	534.2	525.2	518.9	497.5	483.9	479.2	475.6	478.2	482.8	502.7	516.8
20°	738.3	748.3	760.3	751.4	746.2	732.1	713.8	708.6	704.4	709.1	713.8
22.5°	808.4	805.2	811.0	781.8	836.6	825.6	835.6	854.4	842.9	834.5	826.7
25°	1015.1	1023.7	1014.8	1011.6	995.0	982.4	990.2	987.1	962.6	948.4	951.6
27.5°	1040.5	1032.6	1020.0	1014.2	1011.7	1031.6	1050.3	1021.6	1078.6	1064.4	1087.4
30°	1162.6	1156.9	1139.2	1135.0	1149.1	1140.8	1120.8	1122.4	1126.1	1125.6	1114.1
32.5°	1273.7	1287.0	1276.1	1305.8	1294.4	1270.4	1273.4	1289.2	1284.9	1267.2	1260.4
35°	1334.6	1330.4	1354.4	1356.6	1331.4	1329.9	1342.0	1340.4	1326.2	1328.8	1329.4
37.5°	1407.2	1413.0	1436.0	1412.5	1415.1	1429.2	1430.8	1415.6	1417.2	1423.4	1429.7
40°	1510.7	1531.1	1514.9	1512.2	1534.2	1558.2	1543.6	1544.6	1557.2	1572.8	1558.8
42.5°	1597.9	1624.0	1618.4	1646.0	1679.4	1693.0	1702.4	1728.1	1755.2	1745.8	1779.3
45°	1683.6	1711.4	1737.0	1789.8	1824.2	1835.2	1888.0	1927.7	1941.3	1964.3	2007.6
47.5°	1790.7	1826.8	1881.2	1937.6	1958.0	2015.0	2077.1	2114.2	2139.8	2209.9	2230.2
50°	1908.8	1953.8	2025.4	2073.0	2112.7	2184.8	2256.9	2290.8	2374.0	2423.0	2464.4
52.5°	2042.6	2101.7	2172.8	2204.1	2272.6	2370.8	2415.8	2476.9	2569.4	2630.0	2728.8
55°	2177.4	2252.8	2301.8	2357.8	2438.2	2525.0	2568.4	2684.4	2751.8	2853.1	2986.4
57.5°	2274.9	2370.3	2409.0	2501.0	2595.0	2644.6	2740.8	2845.8	2927.9	3093.5	3228.8
60°	2337.3	2459.6	2538.6	2645.2	2736.0	2800.4	2932.6	3031.3	3176.5	3363.6	3525.2
62.5°	2425.5	2586.2	2729.3	2873.0	2925.8	3057.5	3191.8	3310.4	3542.9	3749.3	3955.7
65°	2565.7	2766.4	2972.8	3127.4	3232.5	3407.0	3548.6	3743.0	4004.3	4265.6	4503.4
67.5°	2597.6	2819.2	3071.0	3211.1	3383.0	3563.8	3709.6	3968.8	4229.0	4505.0	4788.2
68°	2555.6	2777.8	3034.5	3176.0	3356.4	3537.7	3688.6	3945.3	4205.5	4479.8	4768.8
70°	2241.3	2448.6	2686.0	2858.4	3066.9	3209.5	3406.0	3645.8	3891.4	4178.4	4471.0
72.5°	1647.2	1821.6	2047.8	2217.2	2439.8	2561.0	2756.4	2962.9	3205.8	3489.1	3780.6
75°	1019.7	1135.5	1314.8	1466.8	1623.0	1739.0	1910.4	2098.6	2282.5	2507.2	2762.7
77.5°	539.8	592.0	697.6	772.8	853.8	908.2	963.6	1073.8	1124.6	1185.2	1266.1
80°	371.3	396.6	432.6	453.1	443.6	406.0	354.2	336.5	320.4	298.4	278.0
82.5°	333.2	352.2	375.7	395.0	396.1	360.5	295.8	248.2	214.8	182.4	157.3
85°	266.6	280.6	295.8	311.5	326.5	304.2	257.1	201.7	155.7	124.9	107.1
87.5°	170.2	180.8	190.7	209.0	216.8	210.6	187.0	148.4	110.2	84.6	70.6
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°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6
2.5°	180.3	180.3	179.2	178.2	176.6	175.6	175.0	175.6	175.0	174.5	174.5
5°	203.8	197.0	190.7	187.0	182.9	180.8	182.9	178.7	177.1	176.1	176.6
7.5°	225.2	224.2	222.1	212.7	198.6	186.0	180.3	178.2	178.2	177.6	177.7
10°	342.8	339.6	334.4	328.7	324.0	309.8	293.2	286.8	282.7	282.2	281.1
12.5°	345.4	351.6	353.8	353.8	349.0	346.4	330.2	312.5	302.5	302.0	301.0
15°	480.8	459.3	464.0	471.4	470.3	469.8	470.8	449.4	435.3	433.2	432.7
17.5°	514.2	524.1	499.0	552.8	524.6	555.4	540.8	570.6	547.6	557.6	560.2
20°	727.9	725.3	721.6	711.2	709.6	718.5	728.0	720.0	697.6	685.6	678.3
22.5°	831.9	848.6	856.0	853.3	843.4	838.7	837.1	831.4	828.2	833.4	838.2
25°	957.3	950.0	958.4	957.8	949.0	942.2	953.2	959.9	958.9	932.2	913.4
27.5°	1084.3	1070.2	1067.6	1068.6	1078.1	1075.9	1078.6	1072.8	1062.8	1069.6	1078.5
30°	1102.6	1096.8	1104.7	1095.8	1099.0	1094.2	1086.4	1080.6	1104.7	1101.0	1092.1
32.5°	1257.8	1263.6	1246.2	1242.1	1241.6	1225.9	1227.0	1239.0	1233.2	1241.0	1242.6
35°	1331.4	1315.8	1311.1	1301.2	1286.0	1300.1	1294.9	1293.3	1292.2	1291.2	1284.4
37.5°	1416.6	1428.2	1414.6	1398.8	1415.6	1407.2	1401.5	1399.9	1397.3	1387.9	1385.8
40°	1570.8	1583.3	1572.4	1592.7	1589.1	1593.8	1583.3	1579.2	1568.7	1573.9	1569.7
42.5°	1783.5	1787.2	1819.0	1841.0	1840.0	1839.9	1833.6	1833.1	1812.2	1814.3	1823.7
45°	2015.0	2058.8	2086.6	2112.6	2122.1	2125.2	2113.8	2125.2	2109.0	2090.2	2108.0
47.5°	2274.6	2333.8	2370.8	2397.4	2410.6	2408.4	2419.4	2414.2	2406.4	2419.4	2415.2
50°	2561.0	2612.8	2667.6	2690.1	2697.4	2715.2	2735.0	2751.2	2758.6	2743.9	2753.8
52.5°	2819.7	2901.2	2965.0	2998.4	3030.8	3055.4	3089.8	3121.7	3133.8	3144.7	3145.8
55°	3098.7	3206.4	3279.0	3337.0	3390.8	3437.4	3489.6	3530.9	3564.4	3587.8	3591.0
57.5°	3363.6	3483.8	3578.4	3689.2	3755.0	3845.0	3912.8	3979.8	4042.4	4057.1	4068.6
60°	3697.0	3845.0	3999.1	4108.8	4240.0	4380.6	4472.5	4567.1	4604.2	4673.7	4712.4
62.5°	4155.8	4328.3	4545.2	4711.4	4893.2	5067.7	5224.5	5341.5	5398.0	5473.8	5501.4
65°	4759.9	5031.2	5256.4	5521.8	5748.6	5960.2	6146.8	6311.4	6390.8	6480.2	6490.1
67.5°	5070.8	5365.6	5681.2	5983.8	6228.3	6473.9	6654.2	6810.4	6934.2	6981.8	6999.1
68°	5058.8	5355.2	5684.4	5988.4	6239.2	6479.1	6661.0	6818.8	6938.4	6990.7	7007.4
70°	4803.2	5088.6	5468.6	5762.7	6022.9	6282.2	6455.0	6612.4	6715.3	6774.4	6828.7
72.5°	4073.8	4410.8	4743.2	5019.6	5299.2	5513.0	5644.6	5819.1	5869.8	5940.4	5962.3
75°	2999.4	3291.0	3525.1	3697.6	3898.2	4045.0	4161.0	4161.1	4228.0	4239.5	4314.2
77.5°	1383.2	1402.0	1439.6	1412.4	1436.5	1476.7	1427.6	1371.7	1407.8	1312.2	1397.3
80°	286.4	269.6	278.0	268.6	270.7	274.8	282.7	278.5	278.0	273.8	279.0
82.5°	143.2	141.6	142.1	142.6	142.6	142.6	143.2	143.1	144.2	142.1	142.1
85°	96.7	92.5	93.0	91.0	89.8	89.4	86.2	83.1	84.6	83.6	79.4
87.5°	62.7	58.0	56.0	53.3	50.7	48.6	46.0	42.8	39.2	38.2	36.6
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)