

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: P157014

Luminaire Tested: **UTLD-F02-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157014
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-F02-LED-E-U-RW-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3959.1 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

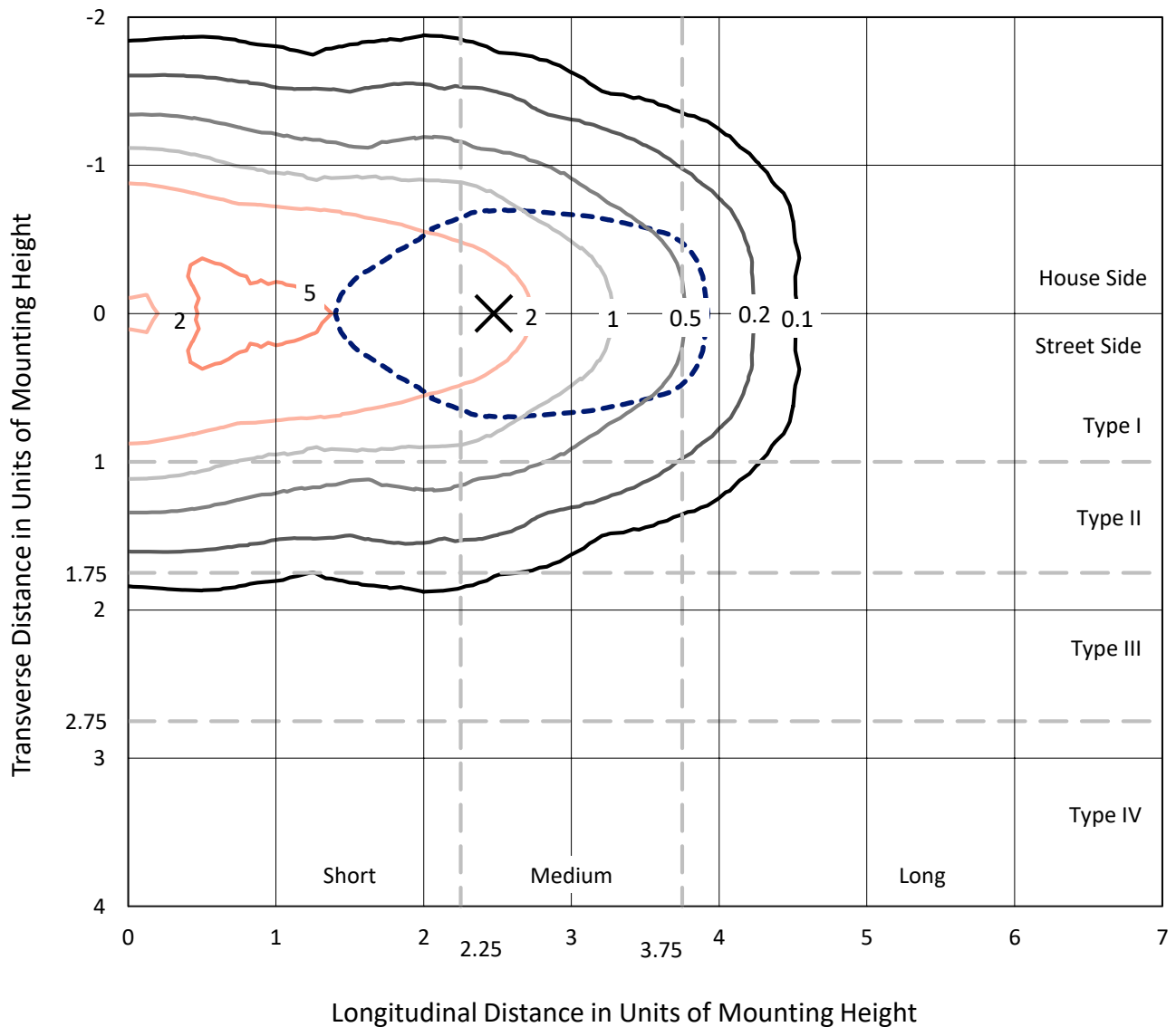
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

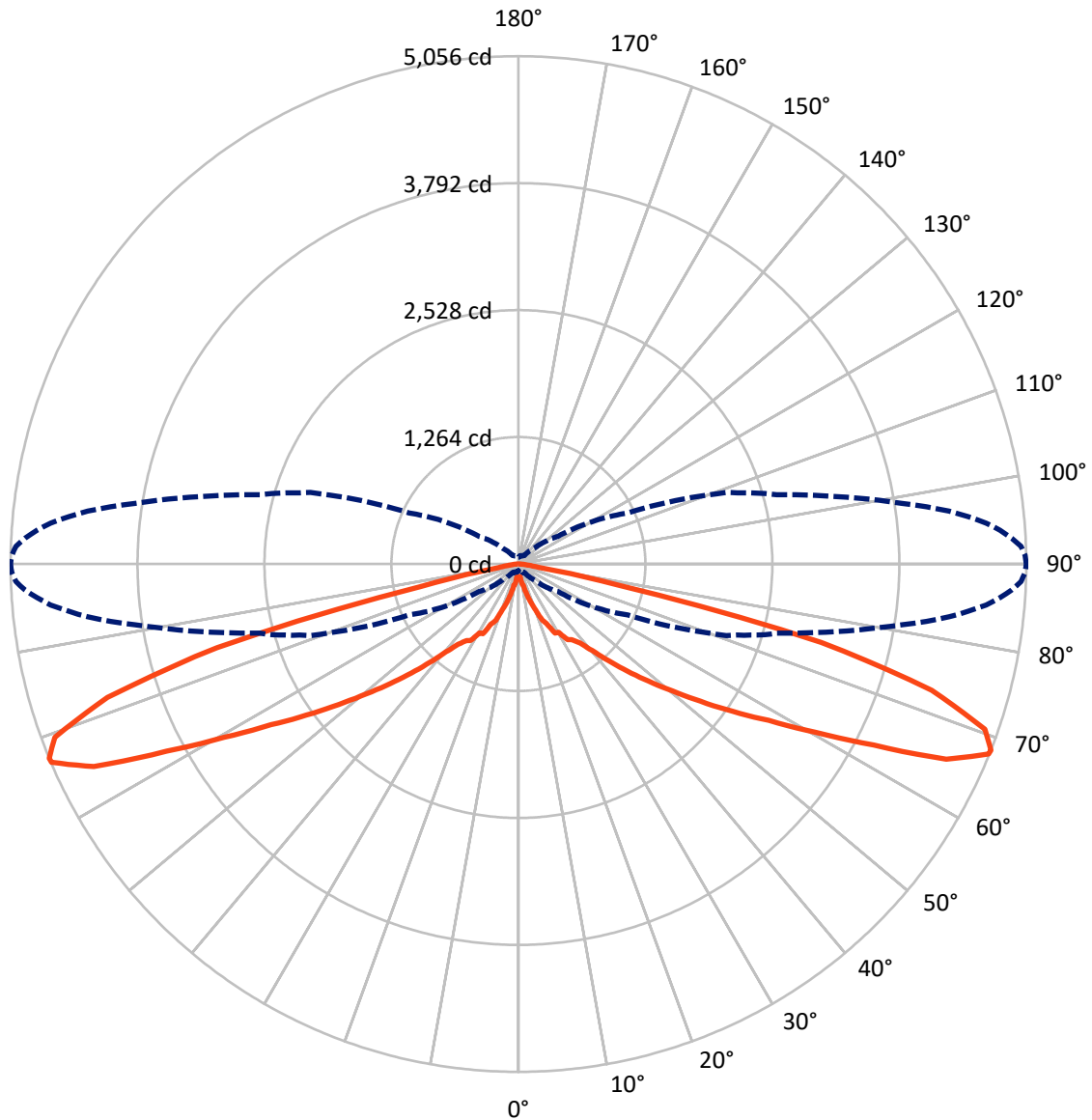
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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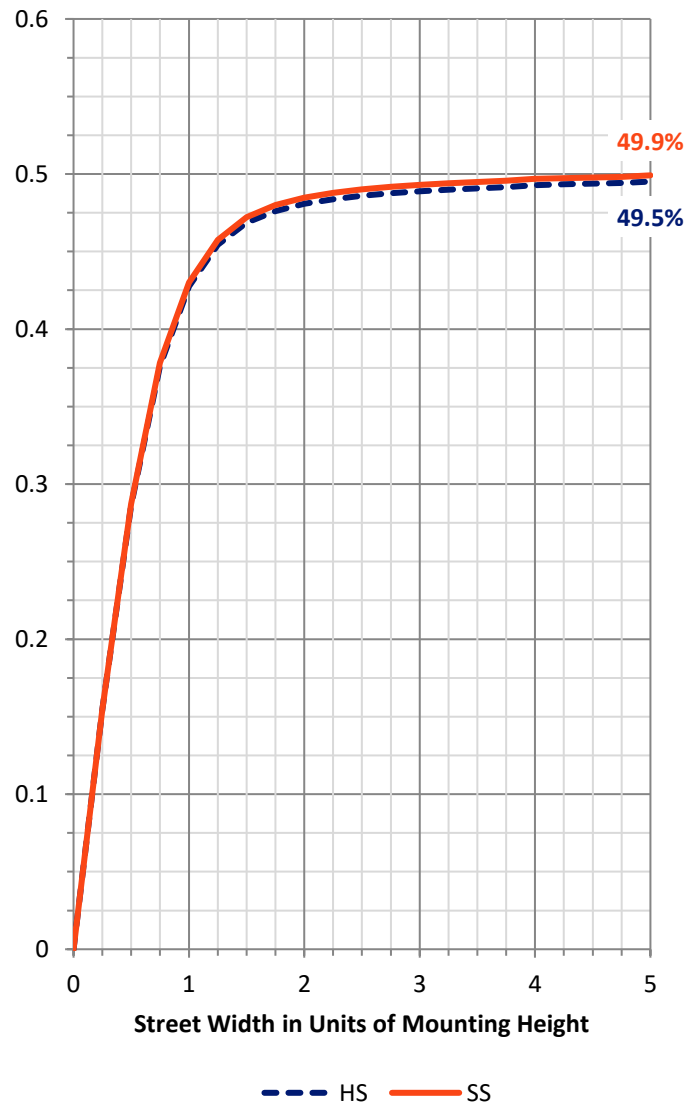
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1979.5	0.0	1979.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1979.5	0.0	1979.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3959.1	0.0	3959.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.4
10°-20°	103.6	2.6
20°-30°	283.3	7.2
30°-40°	466.4	11.8
40°-50°	626.4	15.8
50°-60°	786.9	19.9
60°-70°	1011.1	25.5
70°-80°	592.8	15.0
80°-90°	70.8	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°	3959.1	100.0
0°-180°	3959.1	100.0



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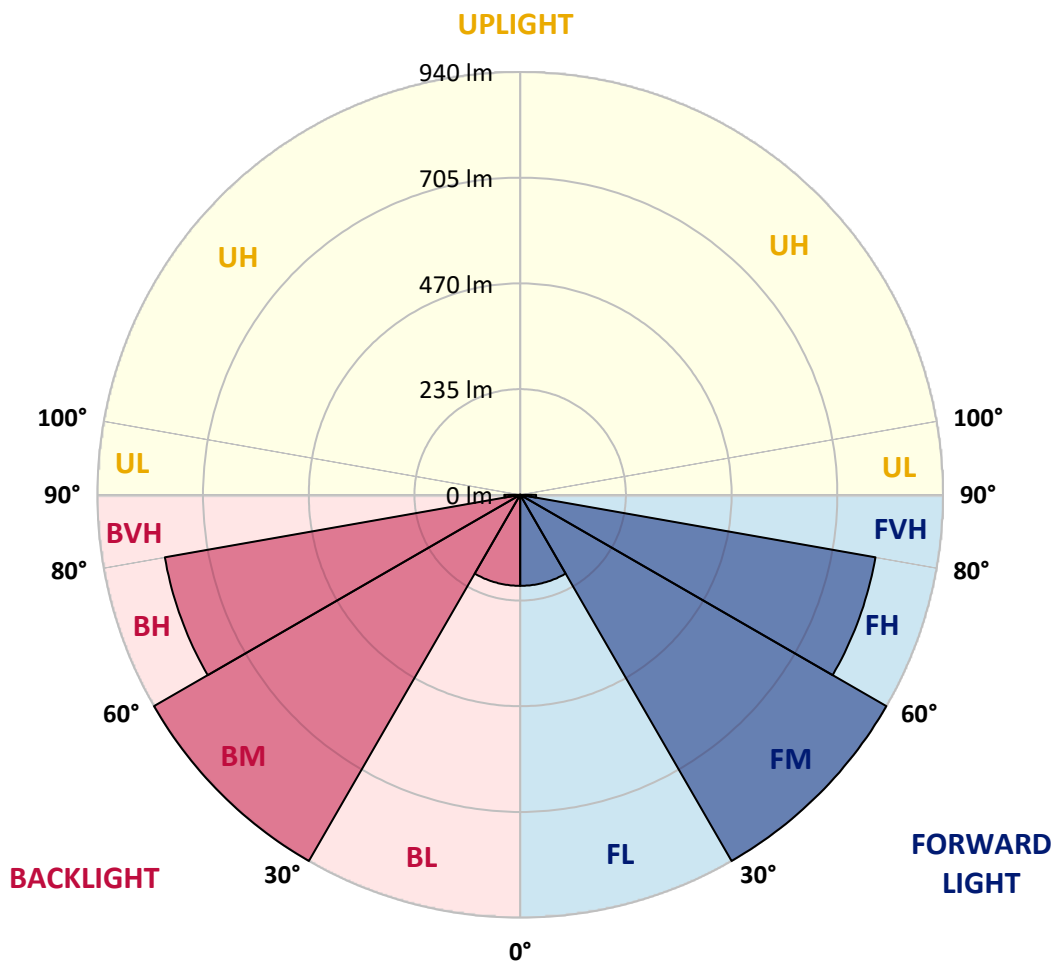
CATALOG NUMBER: UTLD-F02-LED-E-U-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.3	5.1			
FM	(30°-60°)	939.9	23.7			
FH	(60°-80°)	802.0	20.3			G1/1800
FVH	(80°-90°)	35.4	0.9			G1/100
BL	(0°-30°)	202.3	5.1	B1/500		
BM	(30°-60°)	939.9	23.7	B1/1000		
BH	(60°-80°)	802.0	20.3	B2/1000		G1/1800
BVH	(80°-90°)	35.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7
2.5°	165.9	168.2	160.2	165.9	168.1	170.4	171.2	159.5	157.6	155.7	153.8
5°	154.6	158.4	155.0	156.0	160.6	192.3	188.1	163.2	163.8	164.3	164.8
7.5°	228.8	233.0	220.9	203.2	198.6	164.0	152.6	184.4	180.0	175.8	171.4
10°	255.2	248.0	248.0	247.3	242.0	207.4	216.4	227.7	235.6	243.4	251.2
12.5°	333.6	334.4	323.1	292.6	278.6	320.5	294.8	247.3	245.8	244.3	242.8
15°	377.3	373.2	343.0	339.2	404.6	366.0	336.6	375.8	369.0	362.1	355.3
17.5°	423.8	425.2	422.2	388.0	422.6	416.6	433.2	411.7	405.1	398.6	392.0
20°	458.8	460.0	457.3	482.2	481.8	492.0	460.0	503.7	510.9	518.2	525.4
22.5°	486.4	489.0	488.2	518.8	548.9	530.8	600.2	592.2	590.0	587.7	585.5
25°	530.4	530.8	508.6	535.0	584.0	616.8	651.8	707.6	713.8	720.0	726.2
27.5°	541.3	543.6	521.0	567.0	587.8	676.7	789.8	773.6	767.9	762.1	756.4
30°	537.6	542.5	556.1	579.0	630.7	711.4	795.1	855.0	851.0	846.9	842.8
32.5°	550.0	553.8	540.6	566.6	630.7	729.5	851.2	880.6	890.2	899.8	909.4
35°	532.7	536.5	531.2	556.4	616.8	704.6	844.5	974.9	971.9	968.9	965.9
37.5°	522.9	522.5	521.0	546.2	606.2	697.8	880.7	998.6	1002.8	1007.0	1011.1
40°	497.6	501.0	500.2	523.2	579.0	687.7	868.2	1031.1	1045.8	1060.5	1075.2
42.5°	445.6	448.2	456.6	488.6	547.8	663.9	858.0	1077.4	1096.3	1115.2	1134.0
45°	397.4	397.7	409.0	440.7	501.8	630.7	859.2	1134.4	1154.4	1174.5	1194.5
47.5°	348.3	349.8	362.3	394.3	449.0	585.5	854.6	1187.6	1213.6	1239.7	1265.8
50°	300.0	303.1	318.6	351.0	401.2	528.2	833.2	1247.1	1279.6	1312.1	1344.6
52.5°	250.0	253.0	271.0	307.2	358.9	475.0	784.9	1302.9	1345.6	1388.2	1430.9
55°	194.6	199.8	220.9	256.4	315.5	428.2	709.5	1353.4	1407.8	1462.1	1516.5
57.5°	142.6	145.6	166.6	203.6	268.0	385.3	627.3	1365.8	1434.7	1503.5	1572.4
60°	101.8	105.2	124.4	153.1	213.8	342.0	559.8	1333.1	1421.4	1509.6	1597.9
62.5°	83.7	86.4	103.3	117.6	163.6	295.2	513.1	1286.3	1402.2	1518.1	1634.0
65°	75.8	77.7	94.6	99.9	125.9	251.4	490.8	1272.0	1416.8	1561.5	1706.3
67.5°	69.4	72.4	87.8	90.4	107.0	227.3	483.4	1234.6	1394.5	1554.4	1714.2
68°	68.2	71.2	86.4	89.0	105.2	224.4	478.4	1202.2	1362.6	1523.0	1683.3
70°	64.4	67.1	80.7	83.3	102.6	209.6	424.8	1018.6	1168.2	1317.8	1467.4
72.5°	60.0	61.4	73.9	76.9	92.4	152.7	309.5	685.0	810.8	936.7	1062.5
75°	52.4	55.0	66.8	70.9	71.2	92.0	195.6	401.5	485.0	568.6	652.1
77.5°	45.2	47.9	58.0	70.5	58.8	64.0	125.6	238.6	276.3	314.0	351.7
80°	39.2	42.2	51.6	72.4	50.9	53.2	98.8	194.9	213.2	231.4	249.6
82.5°	30.2	33.6	45.2	65.6	42.2	43.0	79.9	185.5	199.2	212.9	226.7
85°	19.6	21.8	35.8	50.2	32.8	27.2	56.6	151.9	162.0	172.1	182.2
87.5°	9.4	14.4	24.9	26.0	20.0	14.7	31.3	92.4	100.0	107.6	115.2
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7
2.5°	151.9	150.0	149.3	146.2	143.6	141.8	139.9	138.0	135.8	133.8	133.8
5°	165.4	165.9	168.2	168.2	168.2	167.0	164.8	162.5	161.4	156.4	151.2
7.5°	167.1	162.8	154.2	153.0	156.1	160.2	161.4	162.8	164.0	163.2	162.4
10°	259.1	267.0	267.6	265.0	263.2	255.6	249.2	236.8	237.9	244.3	246.6
12.5°	241.3	239.8	244.7	258.2	273.0	274.8	276.3	274.4	268.4	257.9	247.3
15°	348.4	341.5	341.5	340.8	338.5	335.2	340.8	353.2	357.8	357.0	355.9
17.5°	385.5	378.9	374.4	358.9	349.1	345.7	343.1	345.0	348.4	362.7	372.8
20°	532.6	539.8	548.5	542.2	538.4	528.2	515.0	511.2	508.2	511.6	515.0
22.5°	583.2	581.0	585.1	564.0	603.6	595.7	602.8	616.3	608.1	602.1	596.4
25°	732.4	738.6	732.2	729.8	717.8	708.8	714.4	712.2	694.4	684.2	686.5
27.5°	750.7	744.9	735.9	731.8	729.8	744.2	757.8	737.1	778.2	768.0	784.6
30°	838.7	834.6	821.8	818.8	829.0	823.0	808.7	809.8	812.4	812.0	803.8
32.5°	919.0	928.6	920.6	942.1	933.8	916.4	918.8	930.0	927.0	914.2	909.3
35°	962.9	959.8	977.2	978.7	960.6	959.4	968.2	967.0	956.8	958.7	959.0
37.5°	1015.2	1019.4	1036.0	1019.0	1020.9	1031.1	1032.2	1021.3	1022.4	1027.0	1031.4
40°	1089.9	1104.6	1092.9	1091.1	1106.8	1124.2	1113.6	1114.4	1123.4	1134.8	1124.6
42.5°	1152.8	1171.7	1167.6	1187.6	1211.6	1221.4	1228.2	1246.7	1266.4	1259.6	1283.7
45°	1214.6	1234.6	1253.2	1291.2	1316.1	1324.0	1362.1	1390.8	1400.6	1417.1	1448.4
47.5°	1291.9	1318.0	1357.2	1397.9	1412.6	1453.7	1498.6	1525.4	1543.8	1594.3	1609.0
50°	1377.1	1409.6	1461.2	1495.6	1524.2	1576.2	1628.2	1652.8	1712.7	1748.2	1778.0
52.5°	1473.6	1516.2	1567.6	1590.2	1639.6	1710.4	1742.8	1787.0	1853.7	1897.4	1968.7
55°	1570.9	1625.2	1660.6	1701.0	1759.0	1821.6	1852.9	1936.6	1985.2	2058.4	2154.6
57.5°	1641.2	1710.0	1738.0	1804.3	1872.2	1908.0	1977.4	2053.2	2112.3	2231.8	2329.4
60°	1686.2	1774.6	1831.4	1908.4	1974.0	2020.3	2115.7	2187.0	2291.8	2426.8	2543.2
62.5°	1749.9	1865.8	1969.1	2072.8	2110.8	2205.8	2302.7	2388.2	2556.0	2705.0	2853.9
65°	1851.1	1995.8	2144.8	2256.4	2332.1	2458.0	2560.2	2700.4	2889.0	3077.4	3249.0
67.5°	1874.0	2033.9	2215.6	2316.6	2440.6	2571.1	2676.3	2863.3	3051.0	3250.1	3454.4
68°	1843.7	2004.1	2189.2	2291.4	2421.4	2552.2	2661.2	2846.3	3034.1	3232.0	3440.5
70°	1617.0	1766.6	1937.8	2062.2	2212.6	2315.5	2457.2	2630.4	2807.4	3014.4	3225.6
72.5°	1188.4	1314.2	1477.4	1599.6	1760.2	1847.6	1988.6	2137.6	2312.9	2517.2	2727.6
75°	735.7	819.2	948.6	1058.2	1170.9	1254.6	1378.3	1514.1	1646.7	1808.8	1993.2
77.5°	389.4	427.1	503.3	557.6	616.0	655.2	695.2	774.8	811.3	855.0	913.4
80°	267.9	286.2	312.2	326.8	320.0	293.0	255.6	242.8	231.1	215.3	200.6
82.5°	240.4	254.1	271.0	285.0	285.8	260.2	213.4	179.0	154.9	131.6	113.5
85°	192.3	202.4	213.4	224.7	235.6	219.4	185.5	145.5	112.4	90.1	77.3
87.5°	122.8	130.4	137.6	150.8	156.4	152.0	135.0	107.0	79.6	61.0	50.8
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°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7
2.5°	130.1	130.1	129.4	128.6	127.4	126.7	126.3	126.6	126.3	125.9	125.9
5°	147.0	142.2	137.6	135.0	132.0	130.4	132.0	129.0	127.8	127.0	127.4
7.5°	162.4	161.7	160.2	153.4	143.2	134.2	130.0	128.6	128.6	128.2	128.2
10°	247.3	245.0	241.2	237.2	233.7	223.6	211.5	207.0	204.0	203.6	202.8
12.5°	249.2	253.7	255.2	255.2	251.8	250.0	238.2	225.4	218.2	217.9	217.2
15°	346.8	331.4	334.8	340.0	339.3	338.9	339.6	324.2	314.0	312.5	312.2
17.5°	371.0	378.2	360.0	398.8	378.5	400.8	390.2	411.7	395.1	402.2	404.1
20°	525.2	523.2	520.6	513.0	512.0	518.4	525.2	519.5	503.3	494.6	489.3
22.5°	600.2	612.2	617.6	615.6	608.4	605.0	604.0	599.8	597.6	601.3	604.7
25°	690.6	685.4	691.4	691.0	684.7	679.8	687.6	692.6	691.8	672.6	659.0
27.5°	782.3	772.1	770.2	771.0	777.8	776.2	778.1	774.0	766.8	771.7	778.1
30°	795.4	791.3	796.9	790.6	792.8	789.4	783.8	779.6	797.0	794.3	787.9
32.5°	907.4	911.6	899.2	896.2	895.8	884.4	885.2	893.8	889.7	895.4	896.5
35°	960.6	949.2	945.8	938.8	927.8	938.0	934.2	933.0	932.3	931.6	926.7
37.5°	1022.0	1030.4	1020.6	1009.2	1021.3	1015.2	1011.1	1010.0	1008.1	1001.3	999.8
40°	1133.2	1142.3	1134.4	1149.1	1146.4	1149.8	1142.3	1139.2	1131.7	1135.5	1132.5
42.5°	1286.7	1289.4	1312.3	1328.2	1327.4	1327.4	1322.9	1322.5	1307.4	1309.0	1315.7
45°	1453.7	1485.4	1505.4	1524.2	1530.9	1533.2	1525.0	1533.2	1521.6	1508.0	1520.8
47.5°	1641.0	1683.6	1710.4	1729.7	1739.1	1737.6	1745.4	1741.7	1736.0	1745.5	1742.5
50°	1847.6	1885.0	1924.6	1940.8	1946.0	1958.8	1973.2	1984.9	1990.2	1979.6	1986.8
52.5°	2034.3	2093.1	2139.1	2163.2	2186.6	2204.3	2229.2	2252.2	2260.8	2268.8	2269.5
55°	2235.6	2313.2	2365.6	2407.5	2446.4	2479.9	2517.6	2547.4	2571.5	2588.4	2590.7
57.5°	2426.7	2513.4	2581.6	2661.6	2709.1	2774.0	2823.0	2871.2	2916.4	2927.0	2935.3
60°	2667.2	2774.0	2885.1	2964.4	3059.0	3160.4	3226.7	3295.0	3321.7	3371.8	3399.8
62.5°	2998.2	3122.6	3279.1	3399.0	3530.2	3656.2	3769.2	3853.6	3894.4	3949.0	3969.0
65°	3434.0	3629.8	3792.2	3983.8	4147.4	4300.0	4434.6	4553.4	4610.7	4675.1	4682.3
67.5°	3658.4	3871.0	4098.8	4317.0	4493.4	4670.6	4800.6	4913.4	5002.7	5037.0	5049.5
68°	3649.7	3863.4	4101.0	4320.4	4501.4	4674.4	4805.6	4919.4	5005.8	5043.5	5055.5
70°	3465.4	3671.2	3945.3	4157.5	4345.3	4532.3	4657.0	4770.6	4844.8	4887.4	4926.6
72.5°	2939.1	3182.2	3422.0	3621.4	3823.1	3977.3	4072.3	4198.2	4234.8	4285.7	4301.5
75°	2164.0	2374.4	2543.2	2667.6	2812.4	2918.4	3002.0	3002.0	3050.3	3058.6	3112.5
77.5°	997.9	1011.5	1038.6	1019.0	1036.4	1065.4	1029.9	989.6	1015.6	946.6	1008.1
80°	206.6	194.6	200.6	193.8	195.3	198.3	204.0	200.9	200.6	197.6	201.3
82.5°	103.3	102.2	102.6	103.0	102.9	103.0	103.3	103.3	104.0	102.6	102.5
85°	69.7	66.7	67.1	65.6	64.8	64.5	62.2	60.0	61.1	60.3	57.3
87.5°	45.2	41.8	40.4	38.4	36.6	35.0	33.2	31.0	28.2	27.5	26.4
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)