

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: P157004

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157004
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-F01-LED-E-U-RW-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1979.6 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

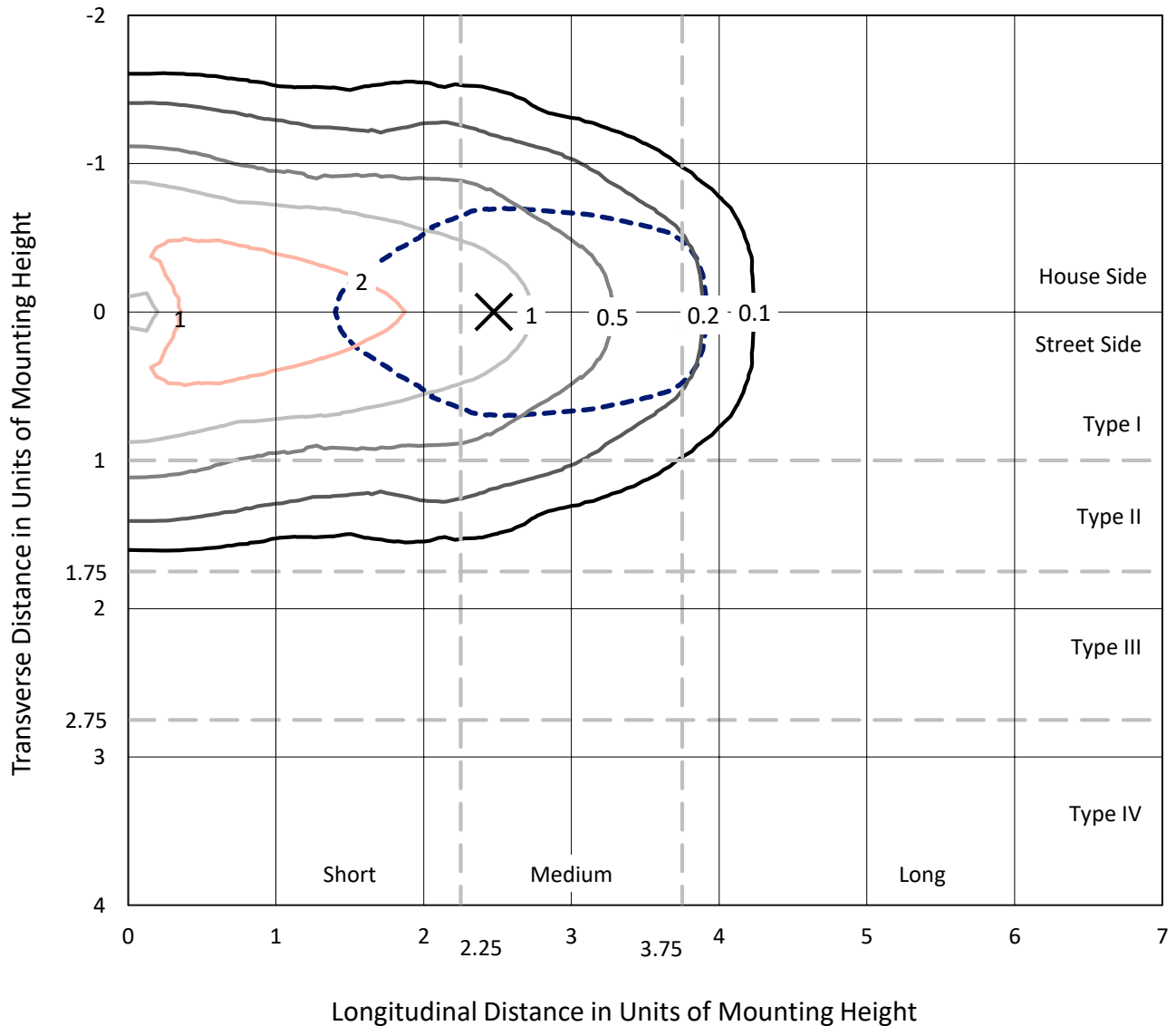
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

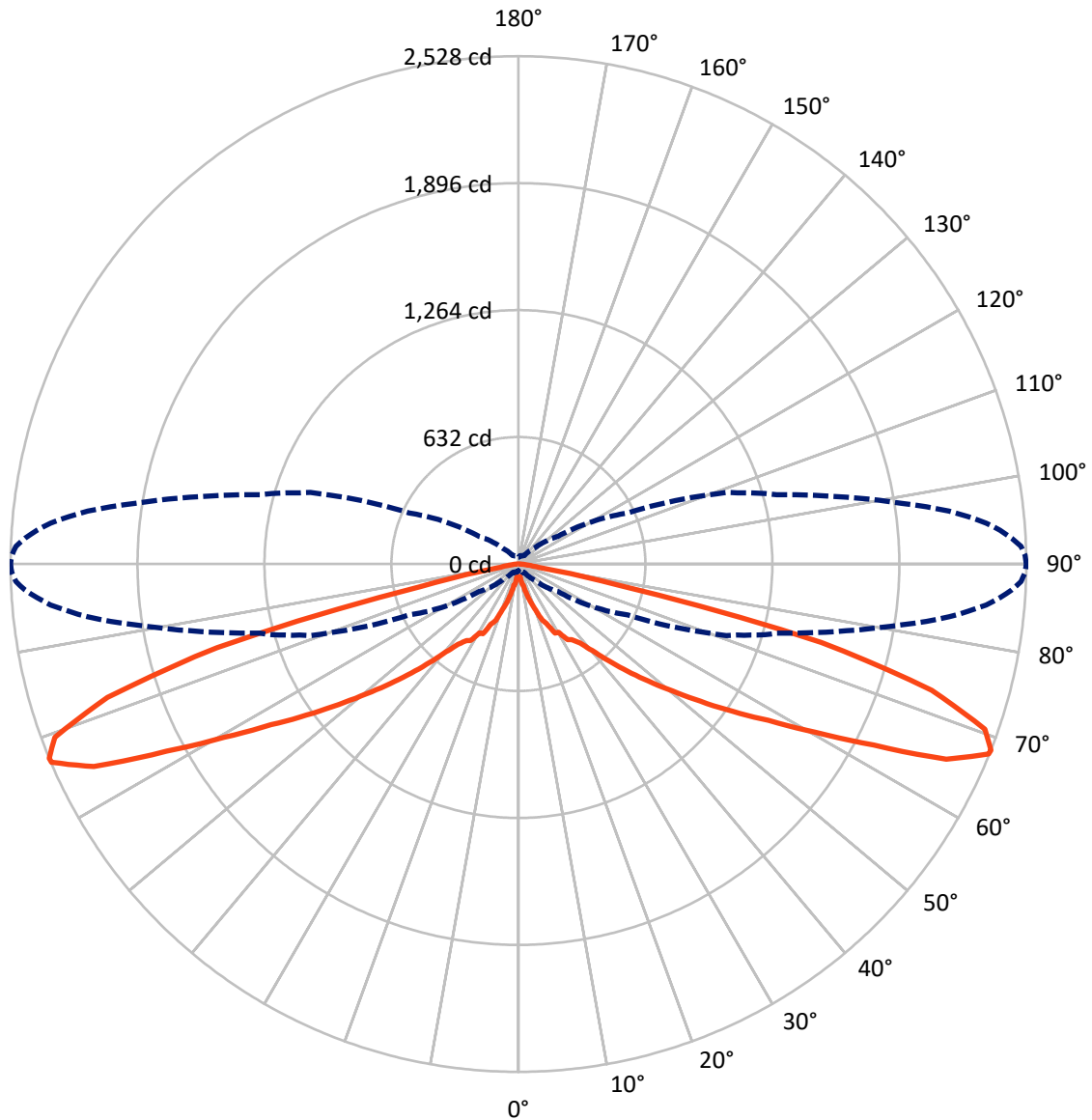
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 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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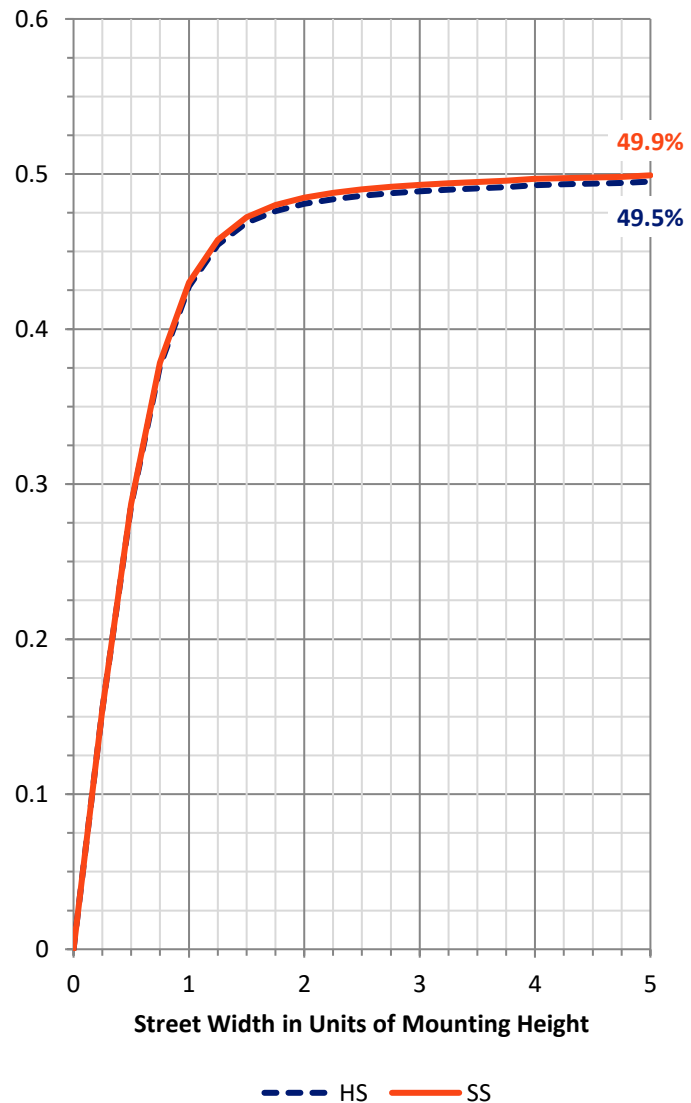
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.8	0.0	989.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	989.8	0.0	989.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	1979.6	0.0	1979.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.4
10°-20°	51.8	2.6
20°-30°	141.7	7.2
30°-40°	233.2	11.8
40°-50°	313.2	15.8
50°-60°	393.5	19.9
60°-70°	505.6	25.5
70°-80°	296.4	15.0
80°-90°	35.4	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°	1979.6	100.0
0°-180°	1979.6	100.0



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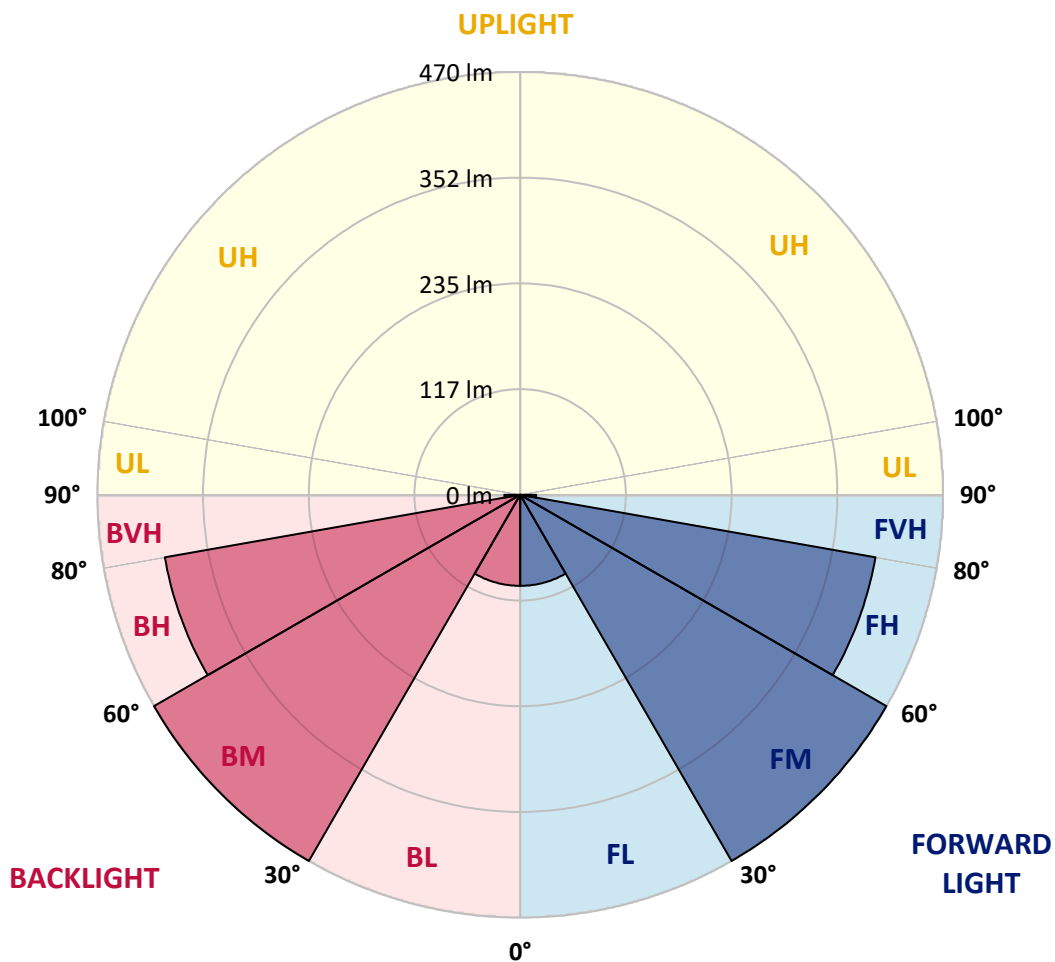
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.2	5.1			
FM	(30°-60°)	469.9	23.7			
FH	(60°-80°)	401.0	20.3			G0/660
FVH	(80°-90°)	17.7	0.9			G1/100
BL	(0°-30°)	101.2	5.1	B0/110		
BM	(30°-60°)	469.9	23.7	B1/1000		
BH	(60°-80°)	401.0	20.3	B1/500		G0/660
BVH	(80°-90°)	17.7	0.9			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 V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	83.0	84.1	80.2	83.0	84.1	85.2	85.6	79.7	78.8	77.8	76.9
5°	77.3	79.2	77.5	78.1	80.3	96.1	94.1	81.6	81.9	82.1	82.4
7.5°	114.4	116.5	110.4	101.6	99.4	82.0	76.4	92.1	90.0	87.9	85.7
10°	127.6	124.0	124.0	123.6	121.0	103.7	108.2	113.8	117.8	121.7	125.6
12.5°	166.8	167.2	161.6	146.2	139.3	160.2	147.4	123.6	122.9	122.2	121.4
15°	188.7	186.6	171.6	169.6	202.2	183.0	168.4	188.0	184.5	181.1	177.6
17.5°	211.9	212.6	211.1	194.0	211.3	208.3	216.6	205.8	202.6	199.3	196.0
20°	229.4	230.0	228.6	241.1	240.9	246.0	230.0	251.8	255.4	259.0	262.7
22.5°	243.2	244.4	244.1	259.4	274.4	265.4	300.1	296.2	295.0	293.9	292.7
25°	265.2	265.4	254.3	267.4	292.0	308.4	325.9	353.8	356.9	360.0	363.1
27.5°	270.7	271.8	260.5	283.5	293.8	338.4	394.9	386.8	383.9	381.1	378.2
30°	268.8	271.2	278.0	289.5	315.4	355.6	397.5	427.5	425.5	423.4	421.4
32.5°	275.0	276.9	270.3	283.3	315.4	364.8	425.6	440.4	445.1	449.9	454.7
35°	266.4	268.2	265.6	278.2	308.4	352.3	422.2	487.4	485.9	484.4	482.9
37.5°	261.4	261.3	260.6	273.2	303.1	348.9	440.4	499.4	501.4	503.5	505.6
40°	248.8	250.5	250.2	261.6	289.5	343.8	434.1	515.5	522.9	530.2	537.6
42.5°	222.8	224.1	228.2	244.3	273.9	332.0	429.0	538.8	548.2	557.6	567.0
45°	198.6	198.8	204.6	220.4	250.9	315.4	429.6	567.2	577.2	587.2	597.3
47.5°	174.2	175.0	181.1	197.2	224.5	292.8	427.3	593.8	606.8	619.9	632.9
50°	150.0	151.6	159.2	175.5	200.6	264.0	416.6	623.6	639.8	656.0	672.3
52.5°	125.0	126.4	135.5	153.6	179.4	237.5	392.4	651.4	672.8	694.1	715.5
55°	97.2	100.0	110.4	128.2	157.8	214.2	354.8	676.7	703.9	731.1	758.3
57.5°	71.2	72.8	83.3	101.8	134.0	192.6	313.6	683.0	717.4	751.8	786.2
60°	50.8	52.6	62.2	76.6	106.9	171.0	279.9	666.6	710.7	754.8	799.0
62.5°	41.8	43.2	51.6	58.8	81.8	147.6	256.5	643.2	701.1	759.1	817.0
65°	37.9	38.8	47.3	50.0	63.0	125.8	245.4	636.0	708.4	780.8	853.1
67.5°	34.7	36.2	44.0	45.2	53.6	113.6	241.6	617.4	697.3	777.2	857.1
68°	34.1	35.6	43.2	44.5	52.6	112.2	239.2	601.1	681.3	761.5	841.7
70°	32.2	33.6	40.3	41.7	51.2	104.8	212.4	509.3	584.1	658.9	733.7
72.5°	30.0	30.7	36.9	38.5	46.2	76.4	154.8	342.5	405.4	468.3	531.3
75°	26.2	27.5	33.4	35.4	35.7	46.0	97.8	200.8	242.5	284.3	326.1
77.5°	22.6	24.0	29.0	35.2	29.4	32.0	62.8	119.3	138.1	157.0	175.8
80°	19.6	21.1	25.8	36.2	25.5	26.6	49.4	97.4	106.6	115.7	124.8
82.5°	15.1	16.8	22.6	32.8	21.1	21.5	40.0	92.8	99.6	106.5	113.3
85°	9.8	11.0	17.9	25.0	16.4	13.6	28.2	76.0	81.0	86.1	91.1
87.5°	4.7	7.2	12.4	13.0	10.0	7.4	15.6	46.2	50.0	53.8	57.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	76.0	75.0	74.6	73.2	71.8	70.9	70.0	69.0	67.8	67.0	67.0
5°	82.7	82.9	84.1	84.1	84.1	83.5	82.4	81.2	80.6	78.2	75.6
7.5°	83.6	81.4	77.1	76.6	78.0	80.1	80.7	81.4	82.0	81.6	81.2
10°	129.5	133.4	133.9	132.5	131.6	127.8	124.6	118.4	119.0	122.2	123.2
12.5°	120.6	119.9	122.4	129.1	136.5	137.4	138.1	137.2	134.2	128.9	123.6
15°	174.2	170.8	170.8	170.4	169.2	167.6	170.4	176.6	178.9	178.5	178.0
17.5°	192.7	189.4	187.2	179.4	174.6	172.8	171.6	172.5	174.2	181.3	186.4
20°	266.3	269.9	274.3	271.0	269.2	264.0	257.5	255.6	254.1	255.8	257.4
22.5°	291.6	290.5	292.6	282.0	301.8	297.8	301.4	308.2	304.0	301.0	298.2
25°	366.2	369.3	366.0	365.0	358.9	354.4	357.2	356.0	347.2	342.2	343.2
27.5°	375.4	372.5	368.0	365.8	365.0	372.1	378.8	368.5	389.0	384.0	392.2
30°	419.3	417.3	410.9	409.4	414.5	411.5	404.3	404.9	406.2	406.0	401.8
32.5°	459.5	464.2	460.4	471.0	466.9	458.2	459.4	465.0	463.5	457.1	454.7
35°	481.4	479.9	488.6	489.4	480.3	479.7	484.0	483.5	478.4	479.4	479.6
37.5°	507.6	509.7	518.0	509.6	510.4	515.6	516.1	510.6	511.2	513.5	515.8
40°	544.9	552.3	546.4	545.5	553.4	562.1	556.8	557.2	561.8	567.4	562.3
42.5°	576.4	585.8	583.8	593.8	605.8	610.8	614.1	623.4	633.2	629.8	641.8
45°	607.3	617.3	626.6	645.6	658.0	662.0	681.0	695.3	700.3	708.6	724.2
47.5°	646.0	659.0	678.6	699.0	706.3	726.8	749.3	762.6	771.9	797.2	804.5
50°	688.6	704.8	730.6	747.8	762.1	788.1	814.1	826.4	856.4	874.0	889.0
52.5°	736.8	758.2	783.8	795.1	819.8	855.2	871.4	893.5	926.8	948.7	984.4
55°	785.5	812.7	830.4	850.5	879.6	910.8	926.4	968.4	992.6	1029.2	1077.2
57.5°	820.6	855.0	869.0	902.2	936.0	954.0	988.6	1026.6	1056.2	1115.9	1164.7
60°	843.1	887.2	915.7	954.2	987.0	1010.2	1057.9	1093.5	1145.9	1213.4	1271.6
62.5°	875.0	932.9	984.6	1036.4	1055.4	1102.9	1151.4	1194.2	1278.0	1352.4	1426.9
65°	925.5	997.9	1072.4	1128.2	1166.1	1229.0	1280.1	1350.2	1444.4	1538.7	1624.5
67.5°	937.0	1017.0	1107.8	1158.3	1220.4	1285.6	1338.2	1431.6	1525.5	1625.1	1727.2
68°	921.9	1002.0	1094.6	1145.7	1210.7	1276.1	1330.6	1423.2	1517.0	1616.0	1720.2
70°	808.5	883.3	968.9	1031.1	1106.3	1157.8	1228.6	1315.2	1403.8	1507.2	1612.8
72.5°	594.2	657.1	738.7	799.8	880.1	923.8	994.4	1068.8	1156.4	1258.6	1363.8
75°	367.8	409.6	474.2	529.1	585.4	627.4	689.2	757.0	823.4	904.4	996.6
77.5°	194.7	213.6	251.7	278.8	308.0	327.6	347.6	387.3	405.6	427.6	456.8
80°	133.9	143.0	156.0	163.4	160.0	146.4	127.8	121.4	115.6	107.6	100.3
82.5°	120.2	127.0	135.6	142.5	142.9	130.0	106.7	89.6	77.4	65.8	56.7
85°	96.2	101.2	106.7	112.4	117.8	109.7	92.8	72.8	56.2	45.0	38.7
87.5°	61.4	65.2	68.8	75.4	78.2	76.0	67.5	53.6	39.8	30.6	25.5
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°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2.5°	65.0	65.0	64.6	64.3	63.7	63.4	63.2	63.4	63.2	63.0	63.0
5°	73.5	71.0	68.8	67.5	66.0	65.2	65.9	64.4	63.9	63.5	63.7
7.5°	81.2	80.8	80.1	76.7	71.6	67.1	65.0	64.3	64.3	64.1	64.1
10°	123.6	122.5	120.6	118.6	116.9	111.8	105.8	103.5	101.9	101.8	101.4
12.5°	124.6	126.8	127.6	127.6	126.0	125.0	119.1	112.8	109.2	109.0	108.6
15°	173.4	165.7	167.4	170.0	169.6	169.5	169.8	162.1	157.0	156.3	156.1
17.5°	185.4	189.0	180.0	199.4	189.2	200.4	195.1	205.8	197.6	201.1	202.1
20°	262.6	261.6	260.4	256.5	256.0	259.2	262.6	259.8	251.6	247.3	244.7
22.5°	300.1	306.1	308.8	307.8	304.2	302.6	302.0	299.9	298.8	300.6	302.4
25°	345.3	342.6	345.8	345.5	342.3	339.8	343.8	346.3	345.9	336.3	329.5
27.5°	391.1	386.0	385.1	385.4	388.9	388.1	389.0	387.0	383.4	385.8	389.1
30°	397.8	395.6	398.5	395.3	396.4	394.7	391.9	389.8	398.4	397.2	394.0
32.5°	453.7	455.8	449.6	448.0	447.8	442.2	442.6	447.0	444.8	447.7	448.2
35°	480.3	474.6	473.0	469.4	463.9	469.0	467.1	466.6	466.2	465.8	463.3
37.5°	511.0	515.2	510.2	504.6	510.6	507.6	505.6	505.0	504.0	500.6	499.9
40°	566.6	571.2	567.2	574.5	573.2	575.0	571.2	569.6	565.9	567.8	566.2
42.5°	643.4	644.7	656.2	664.0	663.7	663.7	661.4	661.2	653.7	654.5	657.9
45°	726.8	742.7	752.7	762.1	765.5	766.6	762.5	766.7	760.8	754.0	760.4
47.5°	820.5	841.8	855.2	864.8	869.6	868.8	872.8	870.9	868.0	872.7	871.2
50°	923.8	942.5	962.3	970.4	973.0	979.4	986.6	992.4	995.0	989.8	993.4
52.5°	1017.1	1046.6	1069.6	1081.6	1093.3	1102.2	1114.6	1126.1	1130.4	1134.4	1134.8
55°	1117.8	1156.6	1182.8	1203.8	1223.2	1240.0	1258.8	1273.7	1285.8	1294.2	1295.4
57.5°	1213.4	1256.7	1290.8	1330.8	1354.6	1387.0	1411.5	1435.6	1458.2	1463.5	1467.6
60°	1333.6	1387.0	1442.6	1482.2	1529.4	1580.2	1613.4	1647.5	1660.9	1685.9	1699.9
62.5°	1499.1	1561.4	1639.6	1699.5	1765.1	1828.0	1884.6	1926.8	1947.2	1974.6	1984.5
65°	1717.0	1814.8	1896.2	1991.8	2073.7	2150.0	2217.3	2276.7	2305.4	2337.6	2341.1
67.5°	1829.2	1935.5	2049.4	2158.5	2246.7	2335.4	2400.4	2456.7	2501.4	2518.6	2524.7
68°	1824.8	1931.8	2050.5	2160.2	2250.6	2337.2	2402.8	2459.7	2502.9	2521.8	2527.8
70°	1732.6	1835.6	1972.6	2078.8	2172.6	2266.2	2328.5	2385.2	2422.4	2443.7	2463.3
72.5°	1469.6	1591.1	1711.0	1810.8	1911.6	1988.6	2036.2	2099.1	2117.4	2142.9	2150.8
75°	1082.0	1187.2	1271.6	1333.8	1406.2	1459.1	1501.0	1501.0	1525.1	1529.2	1556.2
77.5°	499.0	505.7	519.3	509.5	518.2	532.7	515.0	494.8	507.8	473.4	504.0
80°	103.3	97.2	100.2	96.9	97.6	99.2	102.0	100.5	100.3	98.8	100.7
82.5°	51.6	51.1	51.2	51.4	51.4	51.4	51.6	51.6	52.0	51.2	51.3
85°	34.8	33.4	33.6	32.8	32.4	32.2	31.1	30.0	30.6	30.2	28.7
87.5°	22.6	20.9	20.2	19.2	18.2	17.6	16.6	15.4	14.2	13.8	13.2
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)