

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: P156999

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156999
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-E01-LED-E-U-RW-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2397.9 lumens
Efficiency: N/A
Efficacy: 97.1 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): 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

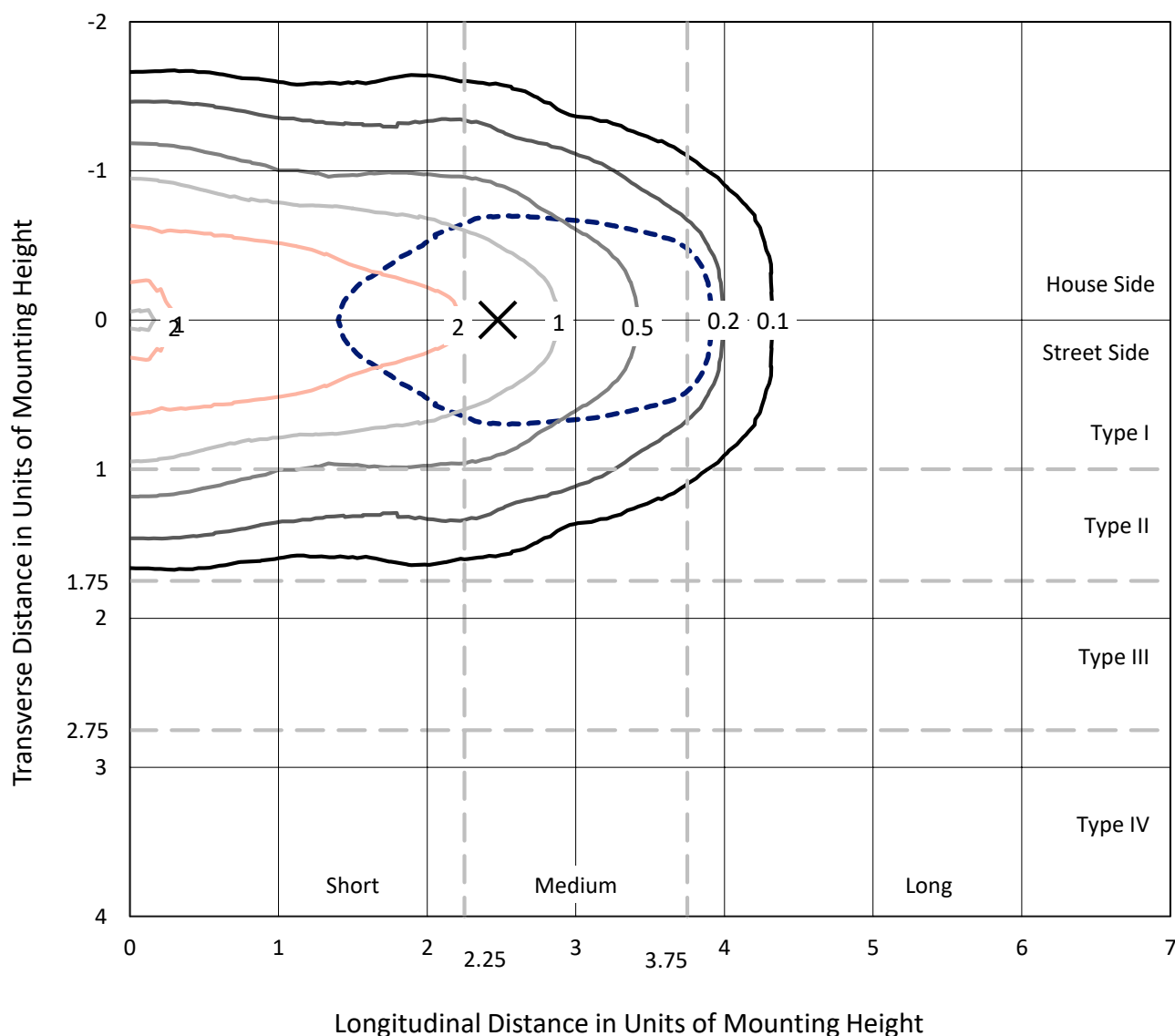


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

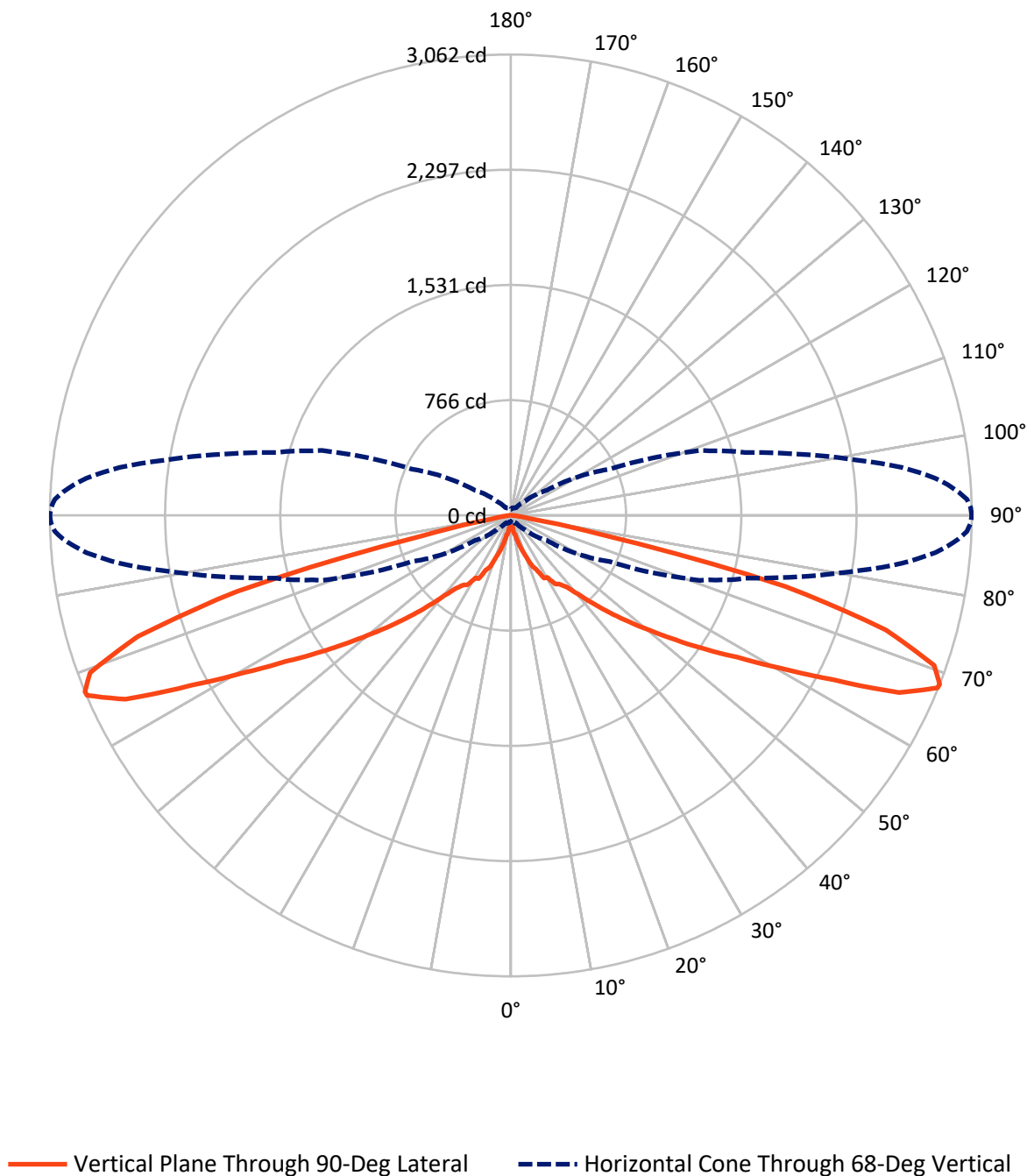


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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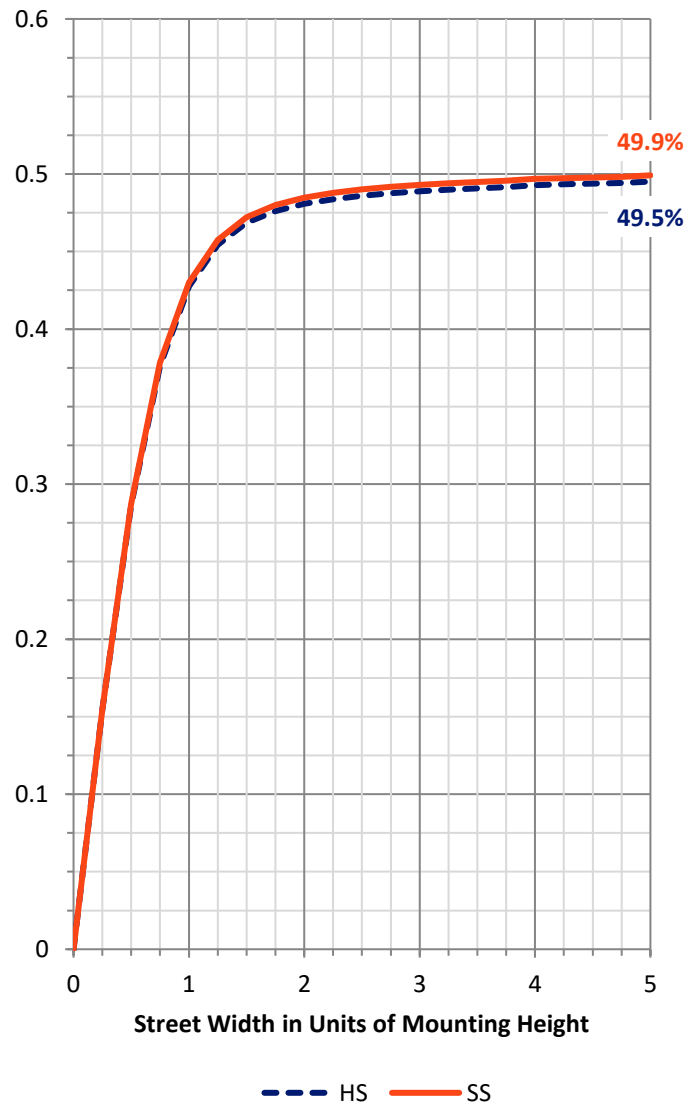
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.0	0.0	1199.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1199.0	0.0	1199.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2397.9	0.0	2397.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.4
10°-20°	62.8	2.6
20°-30°	171.6	7.2
30°-40°	282.5	11.8
40°-50°	379.4	15.8
50°-60°	476.6	19.9
60°-70°	612.4	25.5
70°-80°	359.0	15.0
80°-90°	42.9	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°	2397.9	100.0
0°-180°	2397.9	100.0

Coefficient of Utilization



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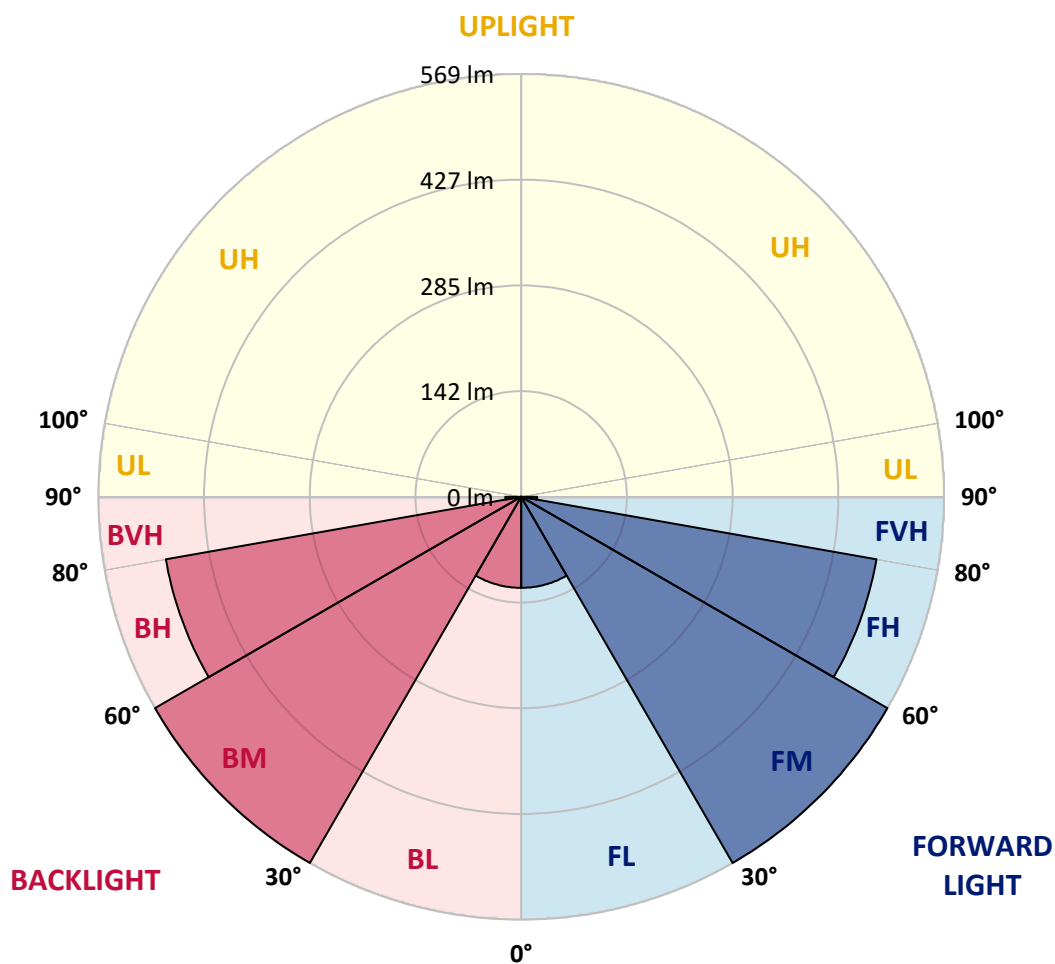
CATALOG NUMBER: UTLD-E01-LED-E-U-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.5	5.1			
FM	(30°-60°)	569.3	23.7			
FH	(60°-80°)	485.7	20.3			G0/660
FVH	(80°-90°)	21.4	0.9			G1/100
BL	(0°-30°)	122.5	5.1	B1/500		
BM	(30°-60°)	569.3	23.7	B1/1000		
BH	(60°-80°)	485.7	20.3	B1/500		G0/660
BVH	(80°-90°)	21.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2.5°	100.5	101.8	97.0	100.4	101.9	103.2	103.7	96.6	95.5	94.3	93.2
5°	93.6	95.9	93.9	94.6	97.2	116.4	114.0	98.9	99.2	99.5	99.8
7.5°	138.6	141.1	133.8	123.1	120.4	99.4	92.5	111.7	109.1	106.5	103.8
10°	154.6	150.2	150.2	149.8	146.6	125.6	131.0	137.9	142.6	147.4	152.1
12.5°	202.0	202.6	195.7	177.2	168.8	194.1	178.6	149.8	148.9	148.0	147.0
15°	228.6	226.0	207.8	205.6	245.0	221.7	203.9	227.6	223.5	219.4	215.2
17.5°	256.7	257.6	255.8	235.0	256.0	252.4	262.4	249.4	245.4	241.4	237.4
20°	277.9	278.5	277.0	292.0	291.8	298.0	278.6	305.0	309.4	313.8	318.2
22.5°	294.6	296.2	295.7	314.2	332.4	321.5	363.5	358.8	357.4	356.0	354.6
25°	321.3	321.5	308.0	324.0	353.7	373.6	394.8	428.6	432.3	436.1	439.8
27.5°	327.9	329.2	315.6	343.5	356.0	409.8	478.4	468.6	465.1	461.6	458.1
30°	325.6	328.6	336.8	350.7	382.0	430.8	481.6	517.9	515.4	513.0	510.5
32.5°	333.2	335.4	327.4	343.2	382.0	441.8	515.6	533.4	539.2	545.0	550.8
35°	322.6	325.0	321.8	337.0	373.5	426.8	511.4	590.5	588.7	586.8	585.0
37.5°	316.7	316.4	315.6	330.8	367.2	422.6	533.4	604.9	607.4	609.9	612.4
40°	301.4	303.4	303.0	317.0	350.8	416.5	525.8	624.5	633.4	642.3	651.2
42.5°	269.9	271.5	276.5	296.0	331.8	402.1	519.7	652.6	664.0	675.4	686.8
45°	240.6	240.9	247.8	266.9	303.9	382.0	520.4	687.0	699.2	711.4	723.5
47.5°	211.0	211.9	219.4	238.8	272.0	354.6	517.6	719.2	735.0	750.8	766.6
50°	181.8	183.5	193.0	212.6	243.0	319.9	504.6	755.4	775.0	794.7	814.4
52.5°	151.4	153.2	164.2	186.1	217.4	287.7	475.4	789.2	815.0	840.8	866.7
55°	117.8	121.0	133.8	155.3	191.1	259.4	429.8	819.7	852.6	885.6	918.5
57.5°	86.4	88.1	100.9	123.3	162.4	233.4	380.0	827.2	869.0	910.6	952.4
60°	61.6	63.7	75.4	92.7	129.4	207.1	339.1	807.4	860.9	914.4	967.8
62.5°	50.7	52.3	62.6	71.2	99.1	178.8	310.8	779.0	849.2	919.4	989.6
65°	45.9	47.0	57.3	60.5	76.3	152.3	297.3	770.4	858.1	945.8	1033.4
67.5°	42.0	43.8	53.2	54.8	64.8	137.7	292.7	747.8	844.6	941.4	1038.3
68°	41.4	43.2	52.3	53.8	63.7	135.9	289.8	728.2	825.3	922.5	1019.6
70°	39.0	40.6	48.9	50.4	62.2	127.0	257.3	617.0	707.6	798.2	888.8
72.5°	36.3	37.2	44.8	46.6	55.9	92.4	187.4	414.8	491.1	567.3	643.5
75°	31.8	33.3	40.4	42.9	43.2	55.8	118.5	243.2	293.8	344.4	395.0
77.5°	27.4	29.0	35.2	42.7	35.7	38.8	76.0	144.6	167.4	190.2	213.0
80°	23.7	25.6	31.3	43.8	30.8	32.2	59.8	118.0	129.1	140.1	151.2
82.5°	18.2	20.4	27.4	39.8	25.6	26.0	48.4	112.4	120.7	129.0	137.3
85°	11.9	13.2	21.7	30.4	19.9	16.4	34.2	92.0	98.2	104.3	110.4
87.5°	5.7	8.6	15.1	15.8	12.1	8.9	19.0	56.0	60.6	65.2	69.8
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2.5°	92.0	90.9	90.4	88.6	87.0	85.8	84.8	83.6	82.2	81.0	81.0
5°	100.1	100.4	101.8	101.8	101.8	101.2	99.8	98.4	97.7	94.8	91.6
7.5°	101.2	98.6	93.4	92.7	94.6	97.0	97.8	98.6	99.3	98.9	98.4
10°	156.9	161.6	162.1	160.5	159.4	154.8	151.0	143.4	144.1	148.0	149.3
12.5°	146.1	145.2	148.2	156.4	165.3	166.4	167.4	166.2	162.6	156.2	149.8
15°	211.0	206.9	206.9	206.4	205.0	203.0	206.4	214.0	216.7	216.2	215.6
17.5°	233.4	229.4	226.8	217.4	211.4	209.4	207.8	208.9	211.0	219.6	225.8
20°	322.6	327.0	332.2	328.4	326.0	319.9	311.9	309.6	307.8	309.8	311.9
22.5°	353.2	351.8	354.4	341.6	365.5	360.8	365.2	373.3	368.3	364.6	361.2
25°	443.6	447.3	443.4	442.0	434.8	429.3	432.7	431.4	420.6	414.4	415.8
27.5°	454.7	451.2	445.7	443.2	442.0	450.8	459.0	446.4	471.2	465.2	475.2
30°	508.0	505.6	497.8	496.0	502.1	498.4	489.8	490.4	492.1	491.8	486.8
32.5°	556.6	562.4	557.6	570.6	565.6	555.1	556.4	563.3	561.5	553.7	550.8
35°	583.2	581.4	591.8	592.8	581.8	581.1	586.4	585.7	579.5	580.6	580.8
37.5°	614.9	617.4	627.5	617.2	618.4	624.5	625.2	618.6	619.2	622.0	624.7
40°	660.1	669.0	662.0	660.8	670.4	680.9	674.5	675.0	680.4	687.3	681.2
42.5°	698.3	709.7	707.2	719.3	733.9	739.8	743.9	755.1	767.0	762.8	777.5
45°	735.6	747.8	759.0	782.1	797.1	801.9	825.0	842.4	848.2	858.3	877.3
47.5°	782.4	798.2	822.0	846.7	855.6	880.4	907.6	923.8	935.0	965.6	974.6
50°	834.1	853.8	885.0	905.8	923.2	954.7	986.2	1001.0	1037.4	1058.8	1076.8
52.5°	892.6	918.4	949.4	963.1	993.0	1036.0	1055.6	1082.3	1122.8	1149.2	1192.4
55°	951.4	984.4	1005.9	1030.2	1065.4	1103.3	1122.3	1173.0	1202.4	1246.7	1304.9
57.5°	994.0	1035.8	1052.6	1092.8	1133.9	1155.6	1197.6	1243.6	1279.4	1351.8	1410.9
60°	1021.3	1074.8	1109.2	1155.8	1195.6	1223.6	1281.4	1324.6	1388.0	1469.8	1540.4
62.5°	1059.8	1130.0	1192.6	1255.4	1278.4	1336.0	1394.7	1446.5	1548.2	1638.3	1728.5
65°	1121.1	1208.8	1299.0	1366.6	1412.5	1488.8	1550.6	1635.6	1749.8	1864.0	1967.8
67.5°	1135.1	1231.9	1341.9	1403.2	1478.2	1557.3	1620.9	1734.2	1848.0	1968.4	2092.2
68°	1116.7	1213.8	1325.9	1387.8	1466.6	1545.8	1611.9	1724.0	1837.6	1957.5	2083.8
70°	979.4	1070.0	1173.6	1249.0	1340.1	1402.4	1488.3	1593.2	1700.4	1825.8	1953.6
72.5°	719.8	796.0	894.8	968.8	1066.1	1119.1	1204.5	1294.6	1400.8	1524.6	1652.0
75°	445.6	496.2	574.5	641.0	709.2	759.9	834.8	917.0	997.4	1095.6	1207.2
77.5°	235.9	258.7	304.8	337.7	373.1	396.8	421.1	469.2	491.4	517.8	553.2
80°	162.2	173.3	189.1	198.0	193.9	177.4	154.8	147.0	140.0	130.4	121.5
82.5°	145.6	153.9	164.2	172.6	173.1	157.6	129.2	108.4	93.8	79.7	68.8
85°	116.5	122.6	129.2	136.1	142.8	132.9	112.3	88.2	68.1	54.6	46.8
87.5°	74.4	79.0	83.4	91.3	94.8	92.0	81.8	64.8	48.2	37.0	30.8
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°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2.5°	78.8	78.8	78.3	77.8	77.2	76.7	76.5	76.8	76.5	76.3	76.3
5°	89.1	86.1	83.4	81.8	79.9	79.0	79.9	78.1	77.4	77.0	77.2
7.5°	98.4	97.9	97.0	92.9	86.8	81.3	78.8	77.9	77.8	77.6	77.6
10°	149.8	148.4	146.2	143.6	141.6	135.4	128.1	125.4	123.6	123.3	122.8
12.5°	151.0	153.7	154.6	154.6	152.6	151.4	144.3	136.6	132.2	132.0	131.5
15°	210.0	200.7	202.8	206.0	205.6	205.2	205.7	196.4	190.2	189.2	189.1
17.5°	224.7	229.0	218.0	241.6	229.2	242.8	236.3	249.4	239.3	243.6	244.8
20°	318.0	317.0	315.4	310.8	310.0	314.0	318.0	314.6	304.8	299.6	296.4
22.5°	363.5	370.8	374.0	372.9	368.5	366.5	365.8	363.3	361.9	364.2	366.3
25°	418.3	415.2	418.8	418.6	414.7	411.7	416.4	419.4	419.0	407.4	399.1
27.5°	473.8	467.6	466.5	467.0	471.0	470.2	471.3	468.8	464.4	467.4	471.3
30°	481.8	479.3	482.8	478.8	480.2	478.2	474.7	472.2	482.7	481.1	477.2
32.5°	549.6	552.1	544.6	542.8	542.6	535.7	536.1	541.4	538.8	542.3	543.0
35°	581.8	575.0	572.9	568.6	562.0	568.1	565.8	565.2	564.7	564.2	561.3
37.5°	619.0	624.0	618.1	611.3	618.6	614.9	612.4	611.7	610.6	606.4	605.6
40°	686.4	691.9	687.1	696.0	694.4	696.4	691.9	690.0	685.5	687.8	685.9
42.5°	779.4	780.9	794.8	804.4	804.0	804.0	801.2	801.0	791.9	792.8	796.9
45°	880.4	899.6	911.8	923.2	927.2	928.6	923.6	928.6	921.6	913.4	921.1
47.5°	994.0	1019.8	1036.0	1047.6	1053.3	1052.4	1057.2	1055.0	1051.5	1057.2	1055.4
50°	1119.0	1141.7	1165.6	1175.5	1178.6	1186.4	1195.1	1202.2	1205.4	1199.0	1203.3
52.5°	1232.1	1267.7	1295.6	1310.2	1324.4	1335.1	1350.2	1364.1	1369.3	1374.2	1374.6
55°	1354.1	1401.0	1432.8	1458.2	1481.7	1502.0	1524.8	1542.9	1557.5	1567.8	1569.1
57.5°	1469.8	1522.3	1563.6	1612.1	1640.8	1680.2	1709.8	1739.0	1766.4	1772.8	1777.8
60°	1615.5	1680.1	1747.5	1795.4	1852.8	1914.2	1954.4	1995.6	2011.8	2042.2	2059.1
62.5°	1816.0	1891.3	1986.1	2058.7	2138.2	2214.4	2283.0	2334.0	2358.8	2391.8	2403.9
65°	2079.9	2198.4	2296.8	2412.9	2512.0	2604.4	2686.0	2757.8	2792.5	2831.6	2836.0
67.5°	2215.8	2344.6	2482.5	2614.6	2721.6	2828.9	2907.6	2976.0	3030.0	3050.8	3058.4
68°	2210.5	2340.0	2483.9	2616.8	2726.4	2831.2	2910.6	2979.6	3031.9	3054.7	3062.0
70°	2098.9	2223.6	2389.6	2518.1	2631.8	2745.0	2820.6	2889.4	2934.4	2960.1	2983.9
72.5°	1780.1	1927.4	2072.6	2193.4	2315.6	2409.0	2466.5	2542.8	2564.9	2595.8	2605.3
75°	1310.6	1438.1	1540.4	1615.7	1703.4	1767.6	1818.2	1818.2	1847.5	1852.5	1885.2
77.5°	604.4	612.7	629.0	617.2	627.7	645.3	623.8	599.4	615.2	573.3	610.6
80°	125.2	117.8	121.5	117.4	118.2	120.1	123.6	121.7	121.5	119.6	121.9
82.5°	62.6	61.9	62.1	62.3	62.4	62.3	62.6	62.6	63.0	62.2	62.1
85°	42.2	40.4	40.6	39.8	39.2	39.0	37.6	36.3	37.0	36.5	34.7
87.5°	27.4	25.3	24.4	23.3	22.2	21.2	20.1	18.8	17.1	16.6	16.0
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)