

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: P157001

Luminaire Tested: **UTLD-E01-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157001
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2693.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - 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

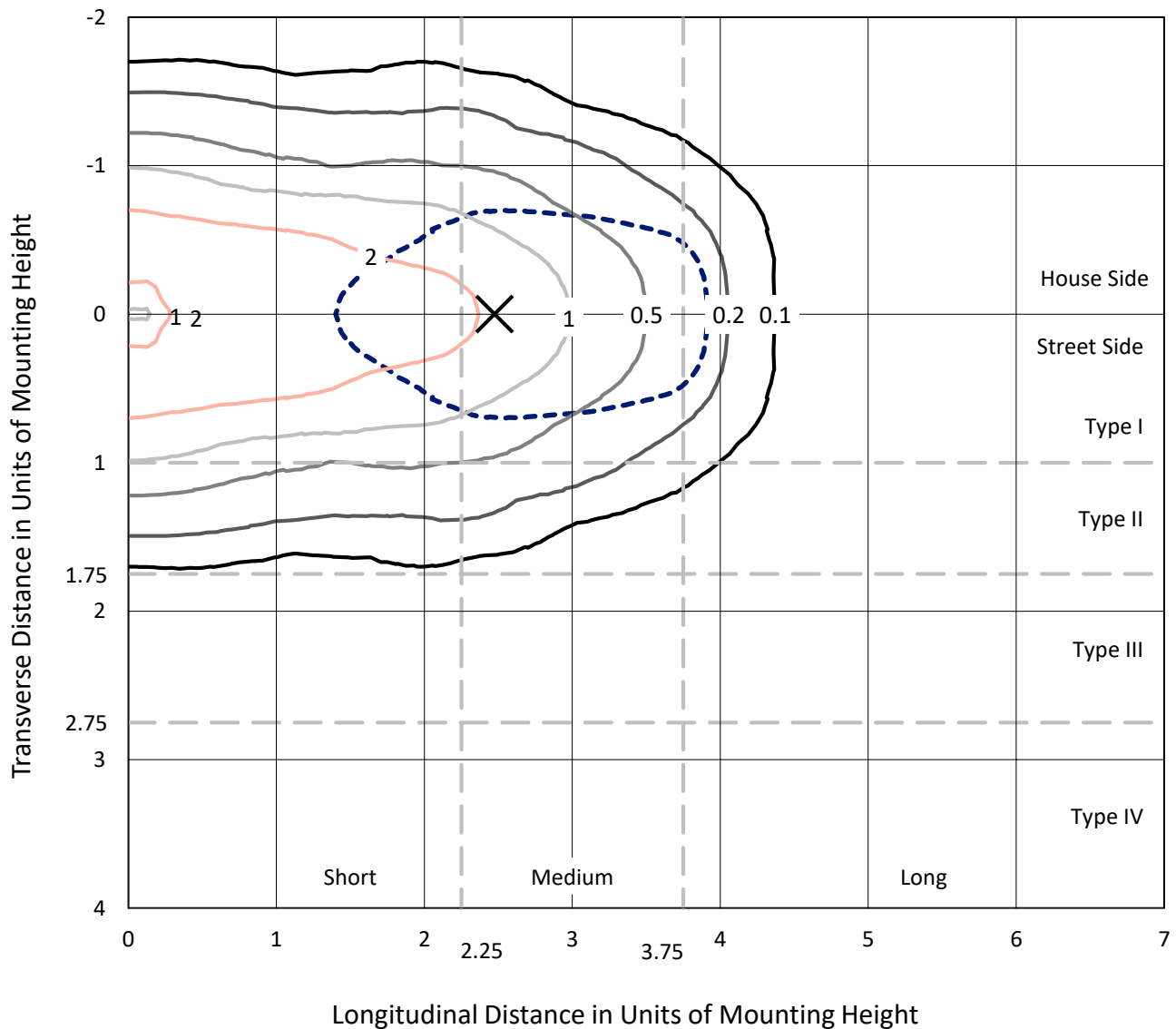


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

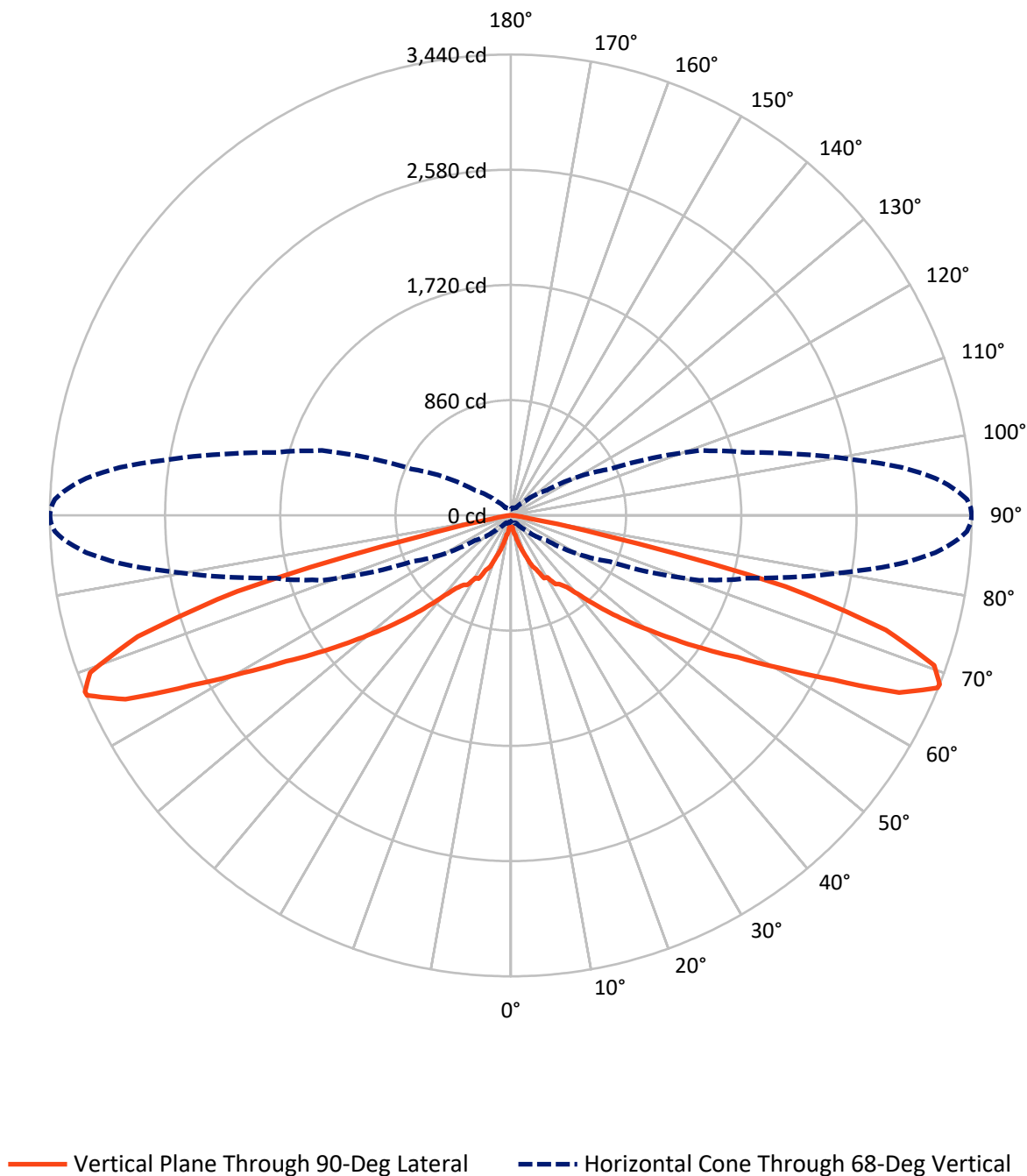


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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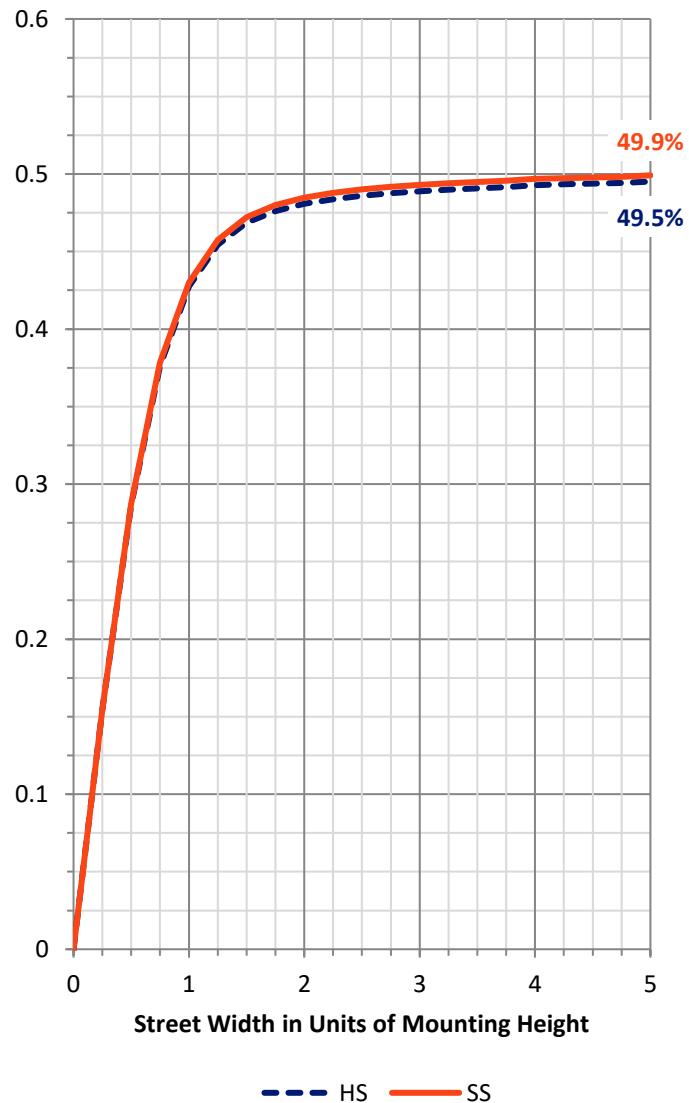
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.0	0.0	1347.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1347.0	0.0	1347.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2693.9	0.0	2693.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.4
10°-20°	70.5	2.6
20°-30°	192.8	7.2
30°-40°	317.3	11.8
40°-50°	426.2	15.8
50°-60°	535.5	19.9
60°-70°	688.0	25.5
70°-80°	403.4	15.0
80°-90°	48.2	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°	2693.9	100.0
0°-180°	2693.9	100.0

Coefficient of Utilization



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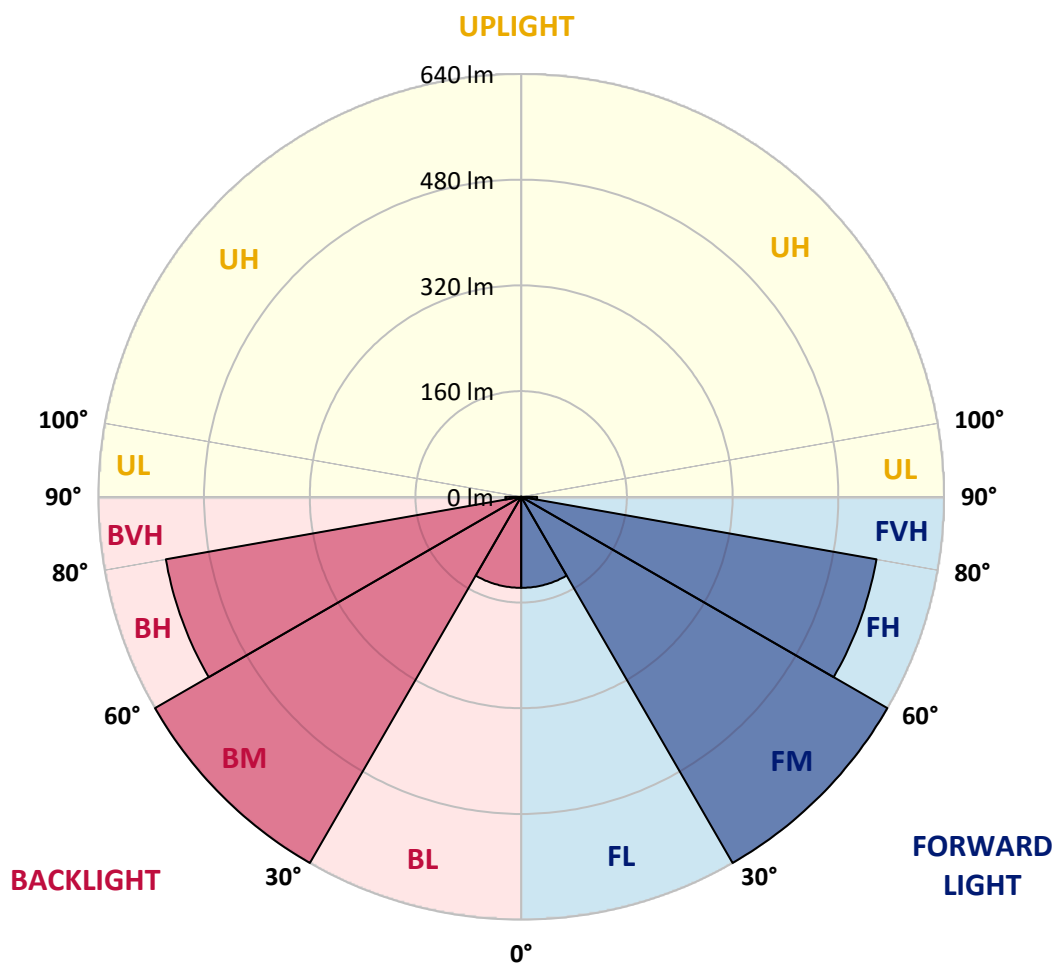
CATALOG NUMBER: UTLD-E01-LED-E-U-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.7	5.1			
FM	(30°-60°)	639.5	23.7			
FH	(60°-80°)	545.7	20.3			G0/660
FVH	(80°-90°)	24.1	0.9			G1/100
BL	(0°-30°)	137.7	5.1	B1/500		
BM	(30°-60°)	639.5	23.7	B1/1000		
BH	(60°-80°)	545.7	20.3	B2/1000		G0/660
BVH	(80°-90°)	24.1	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2.5°	112.9	114.4	109.0	112.8	114.4	116.0	116.4	108.5	107.2	105.9	104.7
5°	105.2	107.8	105.4	106.2	109.2	130.8	128.0	111.1	111.4	111.8	112.2
7.5°	155.8	158.6	150.4	138.2	135.2	111.6	103.9	125.5	122.5	119.6	116.7
10°	173.6	168.8	168.8	168.3	164.6	141.0	147.2	154.9	160.2	165.6	170.9
12.5°	227.0	227.5	219.8	199.0	189.6	218.0	200.6	168.3	167.3	166.2	165.2
15°	256.8	254.0	233.4	230.9	275.2	249.1	229.0	255.8	251.1	246.4	241.8
17.5°	288.3	289.4	287.3	264.0	287.6	283.5	294.8	280.1	275.6	271.2	266.7
20°	312.2	313.0	311.2	328.0	327.8	334.8	313.0	342.8	347.7	352.6	357.5
22.5°	330.9	332.8	332.2	353.0	373.5	361.2	408.3	403.0	401.5	399.9	398.4
25°	360.9	361.2	346.0	364.0	397.4	419.7	443.5	481.5	485.7	489.9	494.1
27.5°	368.4	370.0	354.5	385.8	400.0	460.5	537.4	526.4	522.5	518.6	514.7
30°	365.8	369.2	378.4	394.0	429.2	484.0	541.0	581.8	579.0	576.3	573.5
32.5°	374.2	376.8	367.8	385.5	429.2	496.4	579.2	599.2	605.8	612.3	618.8
35°	362.4	365.0	361.5	378.6	419.7	479.4	574.6	663.4	661.3	659.3	657.2
37.5°	355.8	355.6	354.5	371.7	412.5	474.8	599.2	679.6	682.4	685.2	688.0
40°	338.6	341.0	340.4	356.0	394.0	468.0	590.8	701.6	711.6	721.6	731.6
42.5°	303.2	305.0	310.6	332.4	372.8	451.8	583.8	733.2	746.0	758.8	771.6
45°	270.4	270.6	278.4	299.9	341.4	429.2	584.7	771.9	785.5	799.2	812.8
47.5°	237.0	238.0	246.5	268.3	305.5	398.4	581.6	808.1	825.8	843.6	861.3
50°	204.2	206.2	216.8	238.8	273.0	359.4	566.9	848.6	870.7	892.8	914.9
52.5°	170.0	172.1	184.5	209.0	244.2	323.2	534.1	886.6	915.6	944.6	973.7
55°	132.4	136.0	150.3	174.4	214.7	291.4	482.8	920.9	957.9	994.9	1031.9
57.5°	97.0	99.0	113.4	138.6	182.4	262.2	426.8	929.4	976.2	1023.0	1069.9
60°	69.2	71.6	84.6	104.2	145.4	232.7	381.0	907.0	967.1	1027.2	1087.3
62.5°	56.9	58.8	70.3	80.0	111.3	200.9	349.2	875.2	954.1	1033.0	1111.8
65°	51.6	52.8	64.4	68.0	85.7	171.1	334.0	865.6	964.0	1062.6	1161.0
67.5°	47.2	49.3	59.8	61.6	72.8	154.7	328.9	840.2	948.9	1057.7	1166.4
68°	46.4	48.4	58.8	60.6	71.6	152.6	325.5	818.1	927.2	1036.3	1145.5
70°	43.8	45.7	54.9	56.7	69.8	142.6	289.1	693.2	794.9	896.7	998.5
72.5°	40.8	41.8	50.3	52.3	62.8	103.9	210.6	466.1	551.7	637.4	723.0
75°	35.6	37.4	45.4	48.2	48.5	62.6	133.1	273.2	330.0	386.9	443.8
77.5°	30.8	32.6	39.5	48.0	40.0	43.6	85.4	162.4	188.0	213.7	239.3
80°	26.7	28.7	35.2	49.2	34.6	36.2	67.2	132.6	145.0	157.4	169.9
82.5°	20.5	22.8	30.8	44.6	28.7	29.2	54.4	126.2	135.5	144.9	154.2
85°	13.4	14.9	24.4	34.1	22.3	18.5	38.4	103.4	110.3	117.1	124.0
87.5°	6.4	9.8	16.9	17.7	13.6	10.0	21.3	62.8	68.0	73.2	78.4
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°	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2.5°	103.4	102.1	101.6	99.6	97.8	96.4	95.2	93.9	92.4	91.1	91.1
5°	112.5	112.8	114.4	114.4	114.4	113.6	112.1	110.6	109.8	106.4	102.9
7.5°	113.7	110.8	104.9	104.2	106.2	109.0	109.8	110.8	111.6	111.1	110.6
10°	176.3	181.6	182.1	180.4	179.0	173.9	169.6	161.1	161.8	166.2	167.8
12.5°	164.2	163.2	166.4	175.7	185.8	187.0	188.0	186.8	182.6	175.5	168.3
15°	237.1	232.4	232.4	231.9	230.4	228.0	231.9	240.4	243.4	243.0	242.2
17.5°	262.3	257.8	254.8	244.2	237.6	235.2	233.4	234.7	237.0	246.8	253.7
20°	362.4	367.4	373.2	368.9	366.4	359.4	350.4	347.8	345.8	348.1	350.4
22.5°	396.9	395.4	398.2	383.8	410.7	405.3	410.2	419.4	413.8	409.7	405.8
25°	498.3	502.6	498.2	496.6	488.4	482.2	486.2	484.6	472.6	465.6	467.2
27.5°	510.8	506.9	500.8	497.9	496.6	506.4	515.6	501.6	529.5	522.6	533.8
30°	570.7	568.0	559.2	557.2	564.1	560.0	550.2	551.0	552.8	552.6	546.9
32.5°	625.3	631.8	626.4	641.0	635.4	623.6	625.2	632.8	630.8	622.0	618.8
35°	655.2	653.1	664.9	666.0	653.6	652.9	658.8	658.0	651.0	652.4	652.6
37.5°	690.8	693.6	705.0	693.4	694.7	701.6	702.4	694.9	695.7	698.8	701.8
40°	741.6	751.6	743.7	742.4	753.2	765.0	757.8	758.3	764.4	772.1	765.2
42.5°	784.5	797.3	794.5	808.1	824.4	831.2	835.8	848.4	861.6	857.0	873.4
45°	826.5	840.1	852.6	878.6	895.6	901.0	926.8	946.4	953.0	964.3	985.6
47.5°	879.1	896.8	923.5	951.2	961.2	989.2	1019.6	1037.9	1050.5	1084.8	1094.8
50°	937.0	959.2	994.3	1017.6	1037.2	1072.6	1108.0	1124.6	1165.4	1189.5	1209.8
52.5°	1002.7	1031.8	1066.6	1082.0	1115.6	1163.9	1186.0	1215.9	1261.4	1291.1	1339.6
55°	1068.9	1105.8	1130.0	1157.4	1196.9	1239.6	1260.8	1317.8	1350.9	1400.6	1466.1
57.5°	1116.8	1163.6	1182.6	1227.8	1273.9	1298.3	1345.5	1397.0	1437.4	1518.6	1585.0
60°	1147.4	1207.5	1246.2	1298.6	1343.2	1374.7	1439.6	1488.1	1559.4	1651.2	1730.5
62.5°	1190.7	1269.6	1339.8	1410.4	1436.2	1501.0	1566.9	1625.1	1739.2	1840.6	1941.9
65°	1259.6	1358.0	1459.4	1535.4	1586.9	1672.6	1742.0	1837.5	1965.8	2094.0	2210.8
67.5°	1275.2	1384.0	1507.6	1576.4	1660.8	1749.5	1821.0	1948.4	2076.0	2211.5	2350.6
68°	1254.6	1363.7	1489.6	1559.2	1647.7	1736.7	1810.8	1936.8	2064.6	2199.2	2341.0
70°	1100.3	1202.1	1318.6	1403.2	1505.6	1575.6	1672.0	1789.8	1910.4	2051.2	2194.9
72.5°	808.6	894.2	1005.3	1088.4	1197.7	1257.2	1353.2	1454.5	1573.8	1712.8	1856.0
75°	500.6	557.4	645.4	720.1	796.8	853.7	937.8	1030.2	1120.6	1230.8	1356.2
77.5°	265.0	290.6	342.5	379.4	419.2	445.8	473.0	527.2	552.0	581.8	621.6
80°	182.3	194.7	212.4	222.4	217.8	199.4	173.9	165.2	157.2	146.4	136.5
82.5°	163.6	172.9	184.4	194.0	194.4	177.0	145.2	121.8	105.4	89.6	77.2
85°	130.9	137.8	145.2	152.8	160.3	149.3	126.2	99.0	76.4	61.3	52.6
87.5°	83.6	88.8	93.6	102.6	106.4	103.4	91.8	72.8	54.2	41.6	34.6
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°	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2.5°	88.5	88.5	88.0	87.5	86.7	86.2	86.0	86.2	86.0	85.7	85.7
5°	100.1	96.7	93.6	91.8	89.8	88.8	89.8	87.8	87.0	86.4	86.7
7.5°	110.6	110.0	109.0	104.4	97.5	91.4	88.5	87.5	87.5	87.2	87.2
10°	168.2	166.8	164.2	161.4	159.0	152.2	143.9	140.8	138.8	138.5	138.0
12.5°	169.6	172.6	173.6	173.6	171.4	170.0	162.1	153.4	148.5	148.2	147.8
15°	236.0	225.5	227.8	231.4	230.9	230.6	231.1	220.6	213.7	212.7	212.4
17.5°	252.4	257.3	245.0	271.4	257.6	272.7	265.5	280.2	268.8	273.7	275.0
20°	357.4	356.0	354.2	349.2	348.4	352.8	357.3	353.5	342.4	336.6	333.0
22.5°	408.4	416.6	420.2	418.9	414.0	411.7	411.0	408.1	406.6	409.2	411.5
25°	470.0	466.4	470.4	470.2	465.8	462.6	467.9	471.2	470.8	457.6	448.4
27.5°	532.3	525.4	524.0	524.6	529.2	528.2	529.4	526.7	521.8	525.1	529.5
30°	541.3	538.4	542.3	537.9	539.4	537.2	533.3	530.5	542.3	540.5	536.1
32.5°	617.4	620.2	611.8	609.8	609.5	601.8	602.3	608.2	605.4	609.2	610.0
35°	653.6	646.0	643.6	638.8	631.3	638.2	635.7	634.9	634.4	633.9	630.5
37.5°	695.4	701.1	694.4	686.7	694.9	690.8	688.0	687.2	686.0	681.3	680.3
40°	771.1	777.3	771.9	781.9	780.1	782.4	777.3	775.2	770.1	772.7	770.6
42.5°	875.5	877.3	893.0	903.8	903.2	903.2	900.2	899.9	889.6	890.6	895.3
45°	989.2	1010.8	1024.3	1037.2	1041.8	1043.3	1037.6	1043.3	1035.4	1026.1	1034.8
47.5°	1116.6	1145.6	1163.8	1176.9	1183.4	1182.3	1187.7	1185.2	1181.3	1187.7	1185.7
50°	1257.2	1282.6	1309.6	1320.6	1324.2	1332.9	1342.6	1350.6	1354.2	1347.0	1351.9
52.5°	1384.2	1424.2	1455.5	1472.0	1487.8	1499.9	1516.9	1532.5	1538.4	1543.8	1544.3
55°	1521.2	1574.0	1609.7	1638.2	1664.6	1687.4	1713.0	1733.4	1749.8	1761.3	1762.8
57.5°	1651.2	1710.2	1756.7	1811.0	1843.4	1887.6	1920.9	1953.7	1984.5	1991.7	1997.3
60°	1814.9	1887.5	1963.2	2017.0	2081.4	2150.4	2195.6	2242.0	2260.2	2294.4	2313.4
62.5°	2040.2	2124.8	2231.3	2312.8	2402.2	2487.8	2564.8	2622.2	2650.0	2687.1	2700.7
65°	2336.7	2469.8	2580.4	2710.7	2822.0	2926.0	3017.6	3098.4	3137.3	3181.2	3186.1
67.5°	2489.4	2634.0	2789.0	2937.5	3057.6	3178.1	3266.6	3343.4	3404.1	3427.4	3435.9
68°	2483.4	2628.9	2790.5	2939.8	3062.9	3180.6	3270.0	3347.4	3406.2	3431.8	3440.0
70°	2358.0	2498.1	2684.6	2829.0	2956.7	3084.0	3168.9	3246.1	3296.6	3325.6	3352.3
72.5°	1999.9	2165.3	2328.5	2464.2	2601.4	2706.4	2771.0	2856.7	2881.6	2916.2	2927.0
75°	1472.5	1615.6	1730.5	1815.2	1913.6	1985.8	2042.7	2042.7	2075.6	2081.2	2117.9
77.5°	679.0	688.2	706.8	693.4	705.2	725.0	700.8	673.3	691.1	644.1	686.0
80°	140.6	132.4	136.4	131.9	132.9	135.0	138.8	136.8	136.5	134.4	137.0
82.5°	70.3	69.6	69.8	70.0	70.0	70.0	70.3	70.3	70.8	69.8	69.8
85°	47.4	45.4	45.6	44.6	44.2	43.8	42.4	40.8	41.6	41.0	39.0
87.5°	30.8	28.5	27.4	26.2	24.9	23.8	22.6	21.0	19.2	18.8	18.0
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)