

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: P157020

Luminaire Tested: **UTLD-E03-LED-E-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157020
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-E03-LED-E-U-RW
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7876.2 lumens
Efficiency: N/A
Efficacy: 104.7 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): 75.2
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



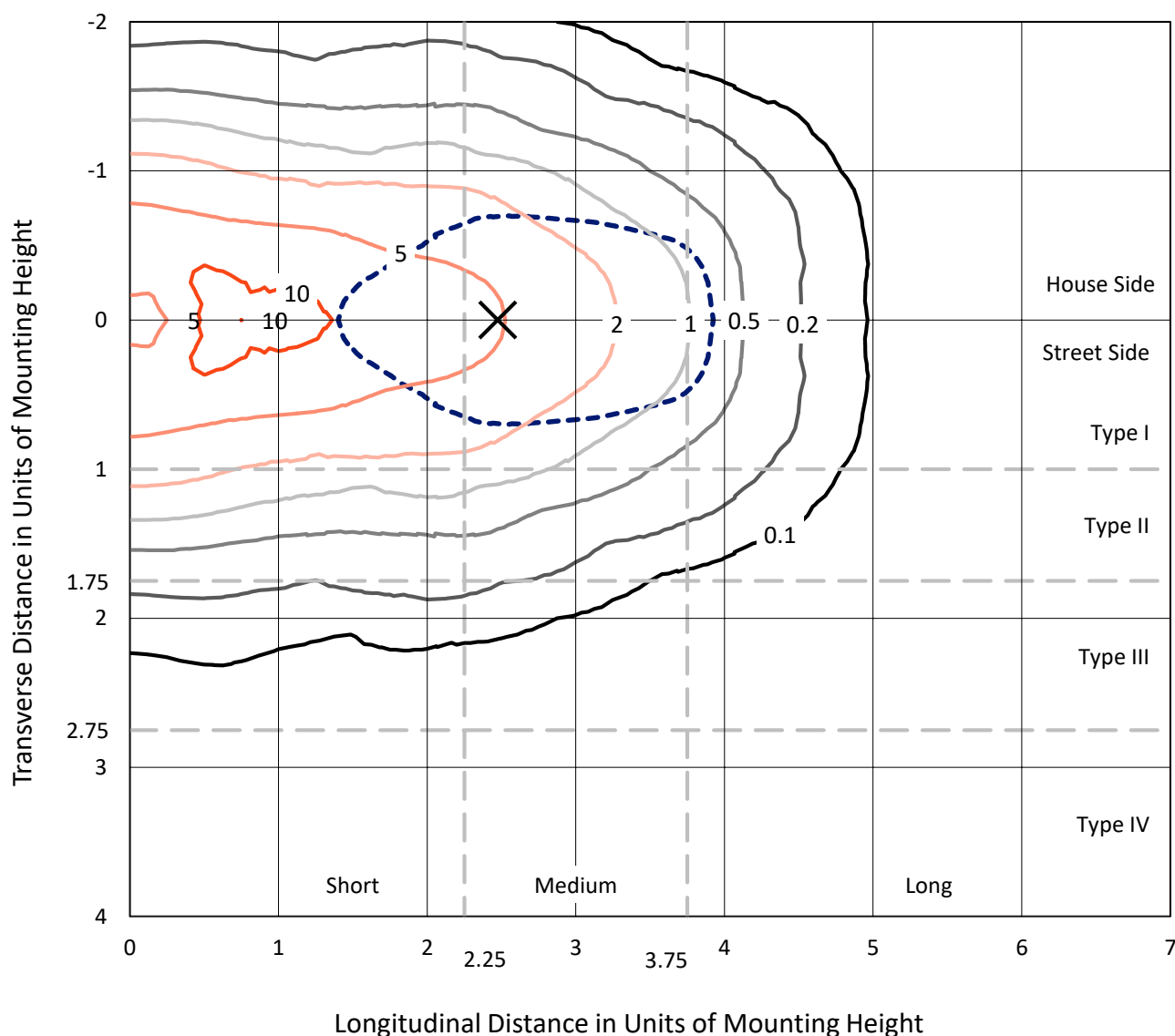
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

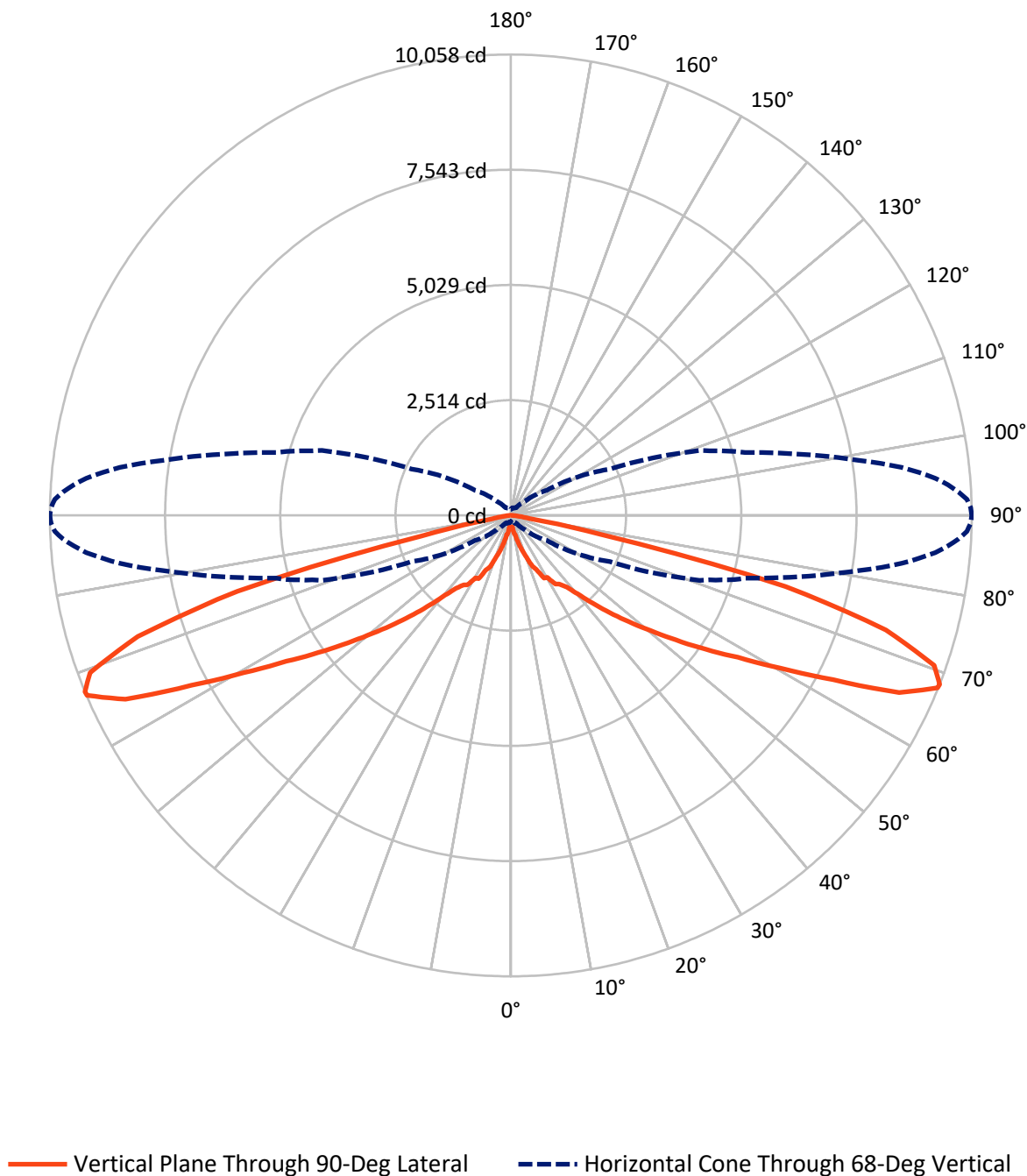


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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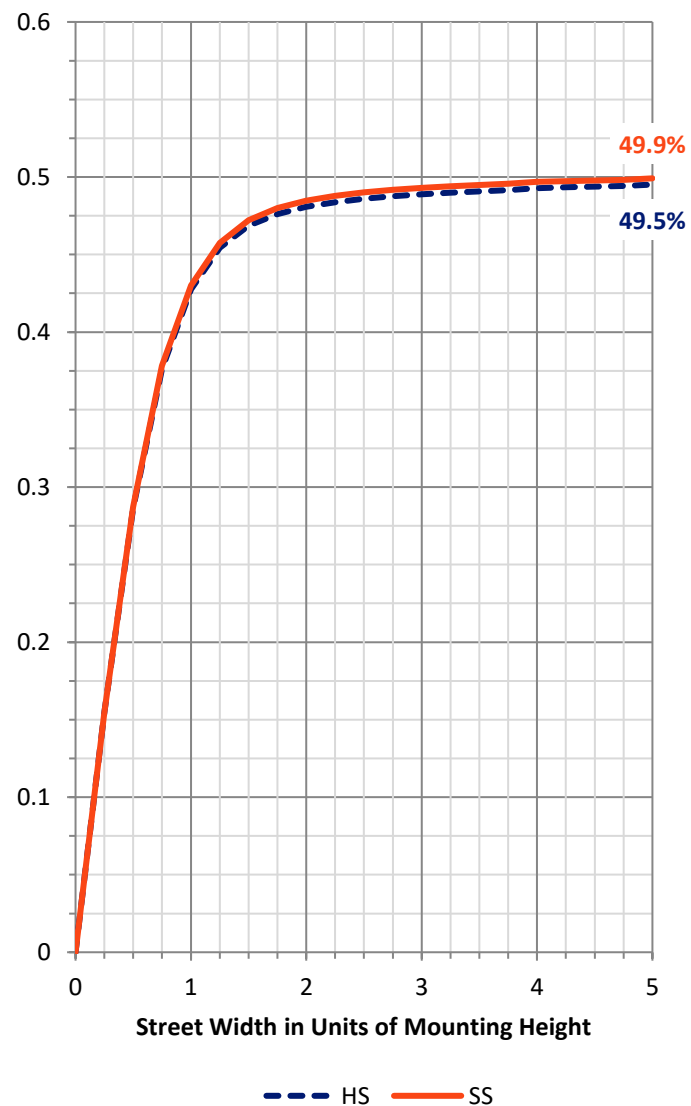
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3938.1	0.0	3938.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3938.1	0.0	3938.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7876.2	0.0	7876.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	0.4
10°-20°	206.2	2.6
20°-30°	563.7	7.2
30°-40°	927.8	11.8
40°-50°	1246.2	15.8
50°-60°	1565.5	19.9
60°-70°	2011.5	25.5
70°-80°	1179.3	15.0
80°-90°	140.8	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°	7876.2	100.0
0°-180°	7876.2	100.0

Coefficient of Utilization



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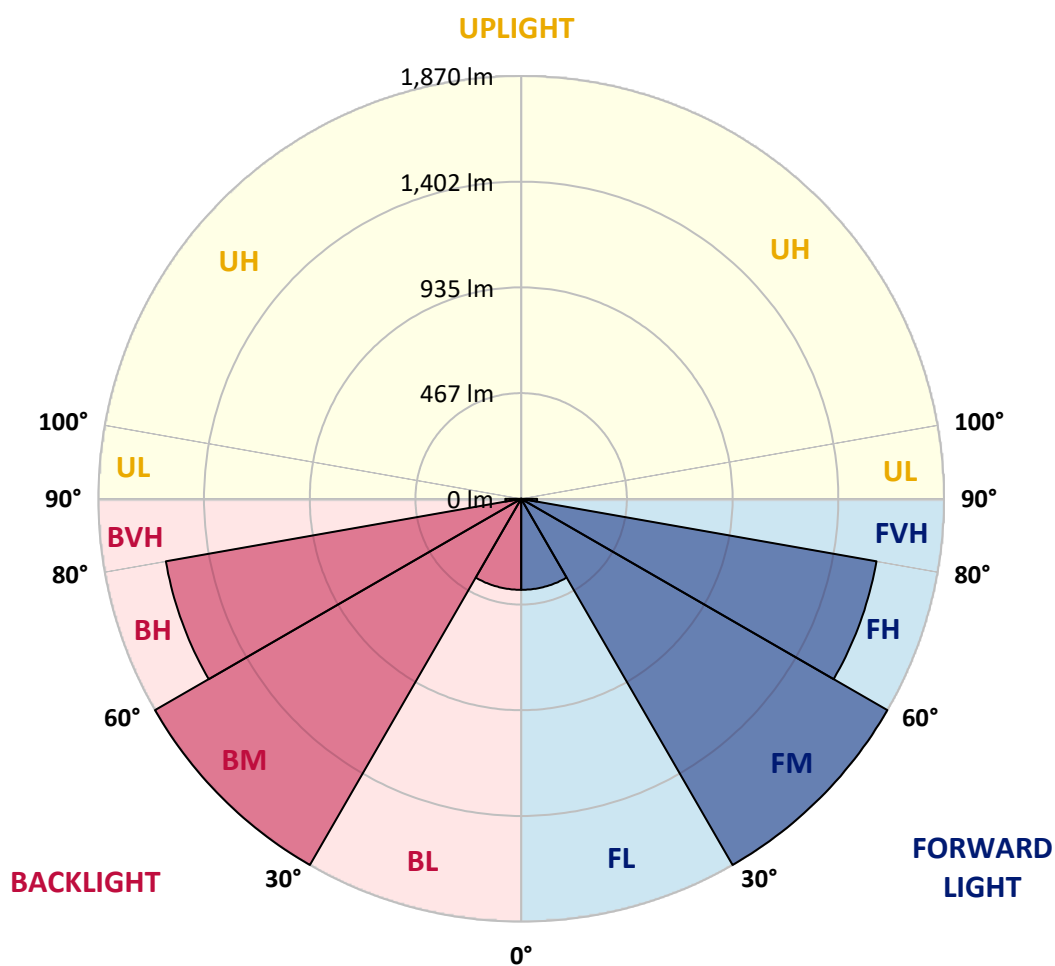
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.5	5.1			
FM	(30°-60°)	1869.8	23.7			
FH	(60°-80°)	1595.4	20.3			G1/1800
FVH	(80°-90°)	70.4	0.9			G1/100
BL	(0°-30°)	402.5	5.1	B1/500		
BM	(30°-60°)	1869.8	23.7	B2/2500		
BH	(60°-80°)	1595.4	20.3	B3/2500		G1/1800
BVH	(80°-90°)	70.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2.5°	330.0	334.5	318.8	330.0	334.5	339.0	340.5	317.2	313.5	309.8	306.0
5°	307.5	315.0	308.2	310.5	319.5	382.5	374.2	324.8	325.8	326.8	327.9
7.5°	455.2	463.5	439.5	404.2	395.2	326.2	303.8	366.8	358.2	349.6	341.1
10°	507.8	493.5	493.5	492.0	481.5	412.5	430.5	453.0	468.6	484.2	499.8
12.5°	663.8	665.2	642.8	582.0	554.2	637.5	586.5	492.0	489.0	486.0	483.0
15°	750.8	742.5	682.5	675.0	804.8	728.2	669.8	747.8	734.1	720.4	706.8
17.5°	843.0	846.0	840.0	771.8	840.8	828.8	861.8	819.0	806.0	792.9	779.8
20°	912.8	915.0	909.8	959.2	958.5	978.8	915.0	1002.0	1016.4	1030.8	1045.2
22.5°	967.5	972.8	971.2	1032.0	1092.0	1056.0	1194.0	1178.2	1173.8	1169.2	1164.8
25°	1055.2	1056.0	1011.8	1064.2	1161.8	1227.0	1296.8	1407.8	1420.1	1432.4	1444.6
27.5°	1077.0	1081.5	1036.5	1128.0	1169.2	1346.2	1571.2	1539.0	1527.6	1516.2	1504.8
30°	1069.5	1079.2	1106.2	1152.0	1254.8	1415.2	1581.8	1701.0	1692.9	1684.8	1676.7
32.5°	1094.2	1101.8	1075.5	1127.2	1254.8	1451.2	1693.5	1752.0	1771.0	1790.1	1809.2
35°	1059.8	1067.2	1056.8	1107.0	1227.0	1401.8	1680.0	1939.5	1933.5	1927.5	1921.5
37.5°	1040.2	1039.5	1036.5	1086.8	1206.0	1388.2	1752.0	1986.8	1995.0	2003.2	2011.5
40°	990.0	996.8	995.2	1041.0	1152.0	1368.0	1727.2	2051.2	2080.5	2109.8	2139.0
42.5°	886.5	891.8	908.2	972.0	1089.8	1320.8	1707.0	2143.5	2181.0	2218.5	2256.0
45°	790.5	791.2	813.8	876.8	998.2	1254.8	1709.2	2256.8	2296.6	2336.6	2376.4
47.5°	693.0	696.0	720.8	784.5	893.2	1164.8	1700.2	2362.5	2414.4	2466.3	2518.2
50°	597.0	603.0	633.8	698.2	798.0	1050.8	1657.5	2481.0	2545.6	2610.3	2675.0
52.5°	497.2	503.2	539.2	611.2	714.0	945.0	1561.5	2592.0	2676.9	2761.8	2846.7
55°	387.0	397.5	439.5	510.0	627.8	852.0	1411.5	2692.5	2800.6	2908.8	3017.0
57.5°	283.5	289.5	331.5	405.0	533.2	766.5	1248.0	2717.2	2854.2	2991.1	3128.1
60°	202.5	209.2	247.5	304.5	425.2	680.2	1113.8	2652.0	2827.6	3003.3	3179.0
62.5°	166.5	171.8	205.5	234.0	325.5	587.2	1020.8	2559.0	2789.6	3020.1	3250.6
65°	150.8	154.5	188.2	198.8	250.5	500.2	976.5	2530.5	2818.5	3106.5	3394.5
67.5°	138.0	144.0	174.8	180.0	213.0	452.2	961.5	2456.2	2774.2	3092.2	3410.2
68°	135.8	141.8	171.8	177.0	209.2	446.2	951.8	2391.8	2710.8	3029.8	3348.9
70°	128.2	133.5	160.5	165.8	204.0	417.0	845.2	2026.5	2324.1	2621.7	2919.3
72.5°	119.2	122.2	147.0	153.0	183.8	303.8	615.8	1362.8	1613.1	1863.4	2113.8
75°	104.2	109.5	132.8	141.0	141.8	183.0	389.2	798.8	965.0	1131.2	1297.4
77.5°	90.0	95.2	115.5	140.2	117.0	127.5	249.8	474.8	549.8	624.8	699.8
80°	78.0	84.0	102.8	144.0	101.2	105.8	196.5	387.8	424.0	460.4	496.6
82.5°	60.0	66.8	90.0	130.5	84.0	85.5	159.0	369.0	396.3	423.6	450.9
85°	39.0	43.5	71.2	99.8	65.2	54.0	112.5	302.2	322.4	342.5	362.5
87.5°	18.8	28.5	49.5	51.8	39.8	29.2	62.2	183.8	198.9	214.0	229.2
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°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2.5°	302.2	298.5	297.0	291.0	285.8	282.0	278.2	274.5	270.0	266.2	266.2
5°	329.0	330.0	334.5	334.5	334.5	332.2	327.8	323.2	321.0	311.2	300.8
7.5°	332.6	324.0	306.8	304.5	310.5	318.8	321.0	324.0	326.2	324.8	323.2
10°	515.4	531.0	532.5	527.2	523.5	508.5	495.8	471.0	473.2	486.0	490.5
12.5°	480.0	477.0	486.8	513.8	543.0	546.8	549.8	546.0	534.0	513.0	492.0
15°	693.2	679.5	679.5	678.0	673.5	666.8	678.0	702.8	711.8	710.2	708.0
17.5°	766.8	753.8	744.8	714.0	694.5	687.8	682.5	686.2	693.0	721.5	741.8
20°	1059.6	1074.0	1091.2	1078.5	1071.0	1050.8	1024.5	1017.0	1011.0	1017.8	1024.5
22.5°	1160.2	1155.8	1164.0	1122.0	1200.8	1185.0	1199.2	1226.2	1209.8	1197.8	1186.5
25°	1456.9	1469.2	1456.5	1452.0	1428.0	1410.0	1421.2	1416.8	1381.5	1361.2	1365.8
27.5°	1493.4	1482.0	1464.0	1455.8	1452.0	1480.5	1507.5	1466.2	1548.0	1527.8	1560.8
30°	1668.6	1660.5	1635.0	1629.0	1649.2	1637.2	1608.8	1611.0	1616.2	1615.5	1599.0
32.5°	1828.2	1847.2	1831.5	1874.2	1857.8	1823.2	1827.8	1850.2	1844.2	1818.8	1809.0
35°	1915.5	1909.5	1944.0	1947.0	1911.0	1908.8	1926.0	1923.8	1903.5	1907.2	1908.0
37.5°	2019.8	2028.0	2061.0	2027.2	2031.0	2051.2	2053.5	2031.8	2034.0	2043.0	2052.0
40°	2168.2	2197.5	2174.2	2170.5	2202.0	2236.5	2215.5	2217.0	2235.0	2257.5	2237.2
42.5°	2293.5	2331.0	2322.8	2362.5	2410.5	2430.0	2443.5	2480.2	2519.2	2505.8	2553.8
45°	2416.4	2456.2	2493.0	2568.8	2618.2	2634.0	2709.8	2766.8	2786.2	2819.2	2881.5
47.5°	2570.1	2622.0	2700.0	2781.0	2810.2	2892.0	2981.2	3034.5	3071.2	3171.8	3201.0
50°	2739.6	2804.2	2907.0	2975.2	3032.2	3135.8	3239.2	3288.0	3407.2	3477.8	3537.0
52.5°	2931.6	3016.5	3118.5	3163.5	3261.8	3402.8	3467.2	3555.0	3687.8	3774.8	3916.5
55°	3125.1	3233.2	3303.8	3384.0	3499.5	3624.0	3686.2	3852.8	3949.5	4095.0	4286.2
57.5°	3265.0	3402.0	3457.5	3589.5	3724.5	3795.8	3933.8	4084.5	4202.2	4440.0	4634.2
60°	3354.6	3530.2	3643.5	3796.5	3927.0	4019.2	4209.0	4350.8	4559.2	4827.8	5059.5
62.5°	3481.2	3711.8	3917.2	4123.5	4199.2	4388.2	4581.0	4751.2	5085.0	5381.2	5677.5
65°	3682.5	3970.5	4266.8	4488.8	4639.5	4890.0	5093.2	5372.2	5747.2	6122.2	6463.5
67.5°	3728.2	4046.2	4407.8	4608.8	4855.5	5115.0	5324.2	5696.2	6069.8	6465.8	6872.2
68°	3668.0	3987.0	4355.2	4558.5	4817.2	5077.5	5294.2	5662.5	6036.0	6429.8	6844.5
70°	3216.9	3514.5	3855.0	4102.5	4401.8	4606.5	4888.5	5232.8	5585.2	5997.0	6417.0
72.5°	2364.2	2614.5	2939.2	3182.2	3501.8	3675.8	3956.2	4252.5	4601.2	5007.8	5426.2
75°	1463.6	1629.8	1887.0	2105.2	2329.5	2496.0	2742.0	3012.0	3276.0	3598.5	3965.2
77.5°	774.8	849.8	1001.2	1109.2	1225.5	1303.5	1383.0	1541.2	1614.0	1701.0	1817.2
80°	533.0	569.2	621.0	650.2	636.8	582.8	508.5	483.0	459.8	428.2	399.0
82.5°	478.2	505.5	539.2	567.0	568.5	517.5	424.5	356.2	308.2	261.8	225.8
85°	382.6	402.8	424.5	447.0	468.8	436.5	369.0	289.5	223.5	179.2	153.8
87.5°	244.4	259.5	273.8	300.0	311.2	302.2	268.5	213.0	158.2	121.5	101.2
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2.5°	258.8	258.8	257.2	255.8	253.5	252.0	251.2	252.0	251.2	250.5	250.5
5°	292.5	282.8	273.8	268.5	262.5	259.5	262.5	256.5	254.2	252.8	253.5
7.5°	323.2	321.8	318.8	305.2	285.0	267.0	258.8	255.8	255.8	255.0	255.0
10°	492.0	487.5	480.0	471.8	465.0	444.8	420.8	411.8	405.8	405.0	403.5
12.5°	495.8	504.8	507.8	507.8	501.0	497.2	474.0	448.5	434.2	433.5	432.0
15°	690.0	659.2	666.0	676.5	675.0	674.2	675.8	645.0	624.8	621.8	621.0
17.5°	738.0	752.2	716.2	793.5	753.0	797.2	776.2	819.0	786.0	800.2	804.0
20°	1044.8	1041.0	1035.8	1020.8	1018.5	1031.2	1044.8	1033.5	1001.2	984.0	973.5
22.5°	1194.0	1218.0	1228.5	1224.8	1210.5	1203.8	1201.5	1193.2	1188.8	1196.2	1203.0
25°	1374.0	1363.5	1375.5	1374.8	1362.0	1352.2	1368.0	1377.8	1376.2	1338.0	1311.0
27.5°	1556.2	1536.0	1532.2	1533.8	1547.2	1544.2	1548.0	1539.8	1525.5	1535.2	1548.0
30°	1582.5	1574.2	1585.5	1572.8	1577.2	1570.5	1559.2	1551.0	1585.5	1580.2	1567.5
32.5°	1805.2	1813.5	1788.8	1782.8	1782.0	1759.5	1761.0	1778.2	1770.0	1781.2	1783.5
35°	1911.0	1888.5	1881.8	1867.5	1845.8	1866.0	1858.5	1856.2	1854.8	1853.2	1843.5
37.5°	2033.2	2049.8	2030.2	2007.8	2031.8	2019.8	2011.5	2009.2	2005.5	1992.0	1989.0
40°	2254.5	2272.5	2256.8	2286.0	2280.8	2287.5	2272.5	2266.5	2251.5	2259.0	2253.0
42.5°	2559.8	2565.0	2610.8	2642.2	2640.8	2640.8	2631.8	2631.0	2601.0	2604.0	2617.5
45°	2892.0	2955.0	2994.8	3032.2	3045.8	3050.2	3033.8	3050.2	3027.0	3000.0	3025.5
47.5°	3264.8	3349.5	3402.8	3441.0	3459.8	3456.8	3472.5	3465.0	3453.8	3472.5	3466.5
50°	3675.8	3750.0	3828.8	3861.0	3871.5	3897.0	3925.5	3948.8	3959.2	3938.2	3952.5
52.5°	4047.0	4164.0	4255.5	4303.5	4350.0	4385.2	4434.8	4480.5	4497.8	4513.5	4515.0
55°	4447.5	4602.0	4706.2	4789.5	4866.8	4933.5	5008.5	5067.8	5115.8	5149.5	5154.0
57.5°	4827.8	5000.2	5136.0	5295.0	5389.5	5518.5	5616.0	5712.0	5802.0	5823.0	5839.5
60°	5306.2	5518.5	5739.8	5897.2	6085.5	6287.2	6419.2	6555.0	6608.2	6708.0	6763.5
62.5°	5964.8	6212.2	6523.5	6762.0	7023.0	7273.5	7498.5	7666.5	7747.5	7856.2	7896.0
65°	6831.8	7221.0	7544.2	7925.2	8250.8	8554.5	8822.2	9058.5	9172.5	9300.8	9315.0
67.5°	7278.0	7701.0	8154.0	8588.2	8939.2	9291.8	9550.5	9774.8	9952.5	10020.8	10045.5
68°	7260.8	7686.0	8158.5	8595.0	8955.0	9299.2	9560.2	9786.8	9958.5	10033.5	10057.5
70°	6894.0	7303.5	7848.8	8271.0	8644.5	9016.5	9264.8	9490.5	9638.2	9723.0	9801.0
72.5°	5847.0	6330.8	6807.8	7204.5	7605.8	7912.5	8101.5	8352.0	8424.8	8526.0	8557.5
75°	4305.0	4723.5	5059.5	5307.0	5595.0	5805.8	5972.2	5972.2	6068.2	6084.8	6192.0
77.5°	1985.2	2012.2	2066.2	2027.2	2061.8	2119.5	2049.0	1968.8	2020.5	1883.2	2005.5
80°	411.0	387.0	399.0	385.5	388.5	394.5	405.8	399.8	399.0	393.0	400.5
82.5°	205.5	203.2	204.0	204.8	204.8	204.8	205.5	205.5	207.0	204.0	204.0
85°	138.8	132.8	133.5	130.5	129.0	128.2	123.8	119.2	121.5	120.0	114.0
87.5°	90.0	83.2	80.2	76.5	72.8	69.8	66.0	61.5	56.2	54.8	52.5
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)