

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: P157025

Luminaire Tested: **UTLD-F03-LED-E-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157025
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-F03-LED-E-U-RW
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6502 lumens
Efficiency: N/A
Efficacy: 83.0 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): 78.3
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



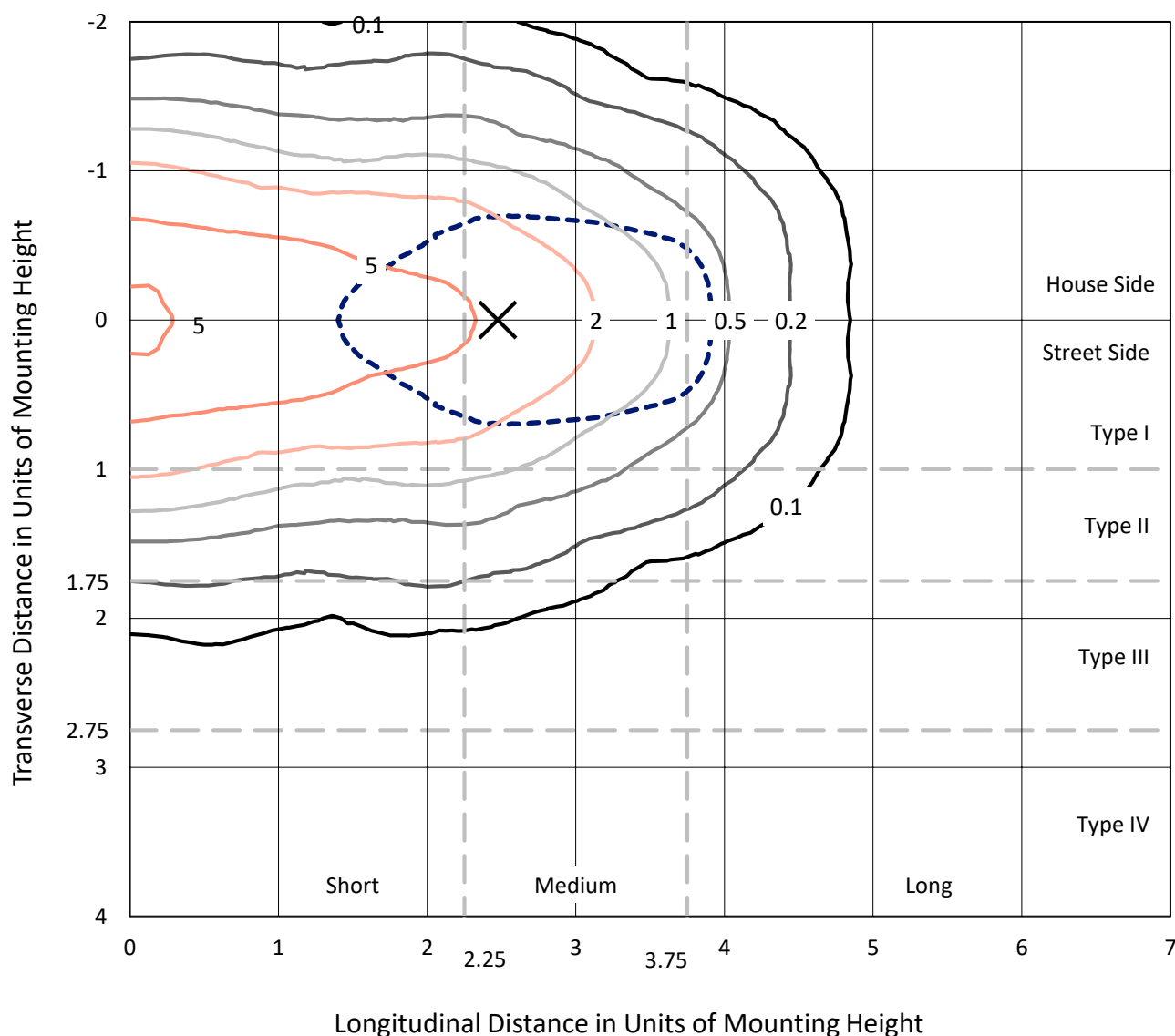
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CATALOG NUMBER: UTLD-F03-LED-E-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

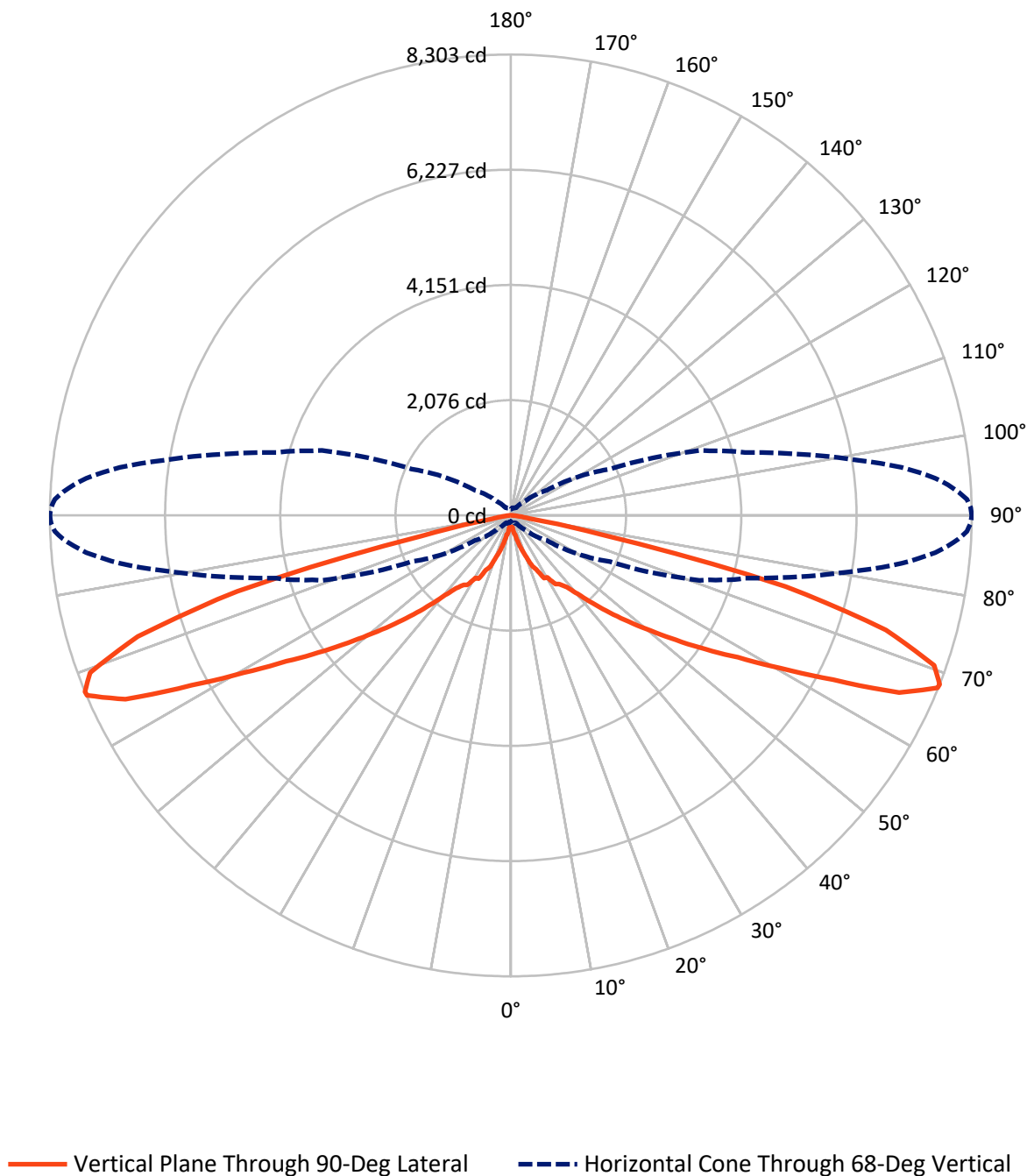


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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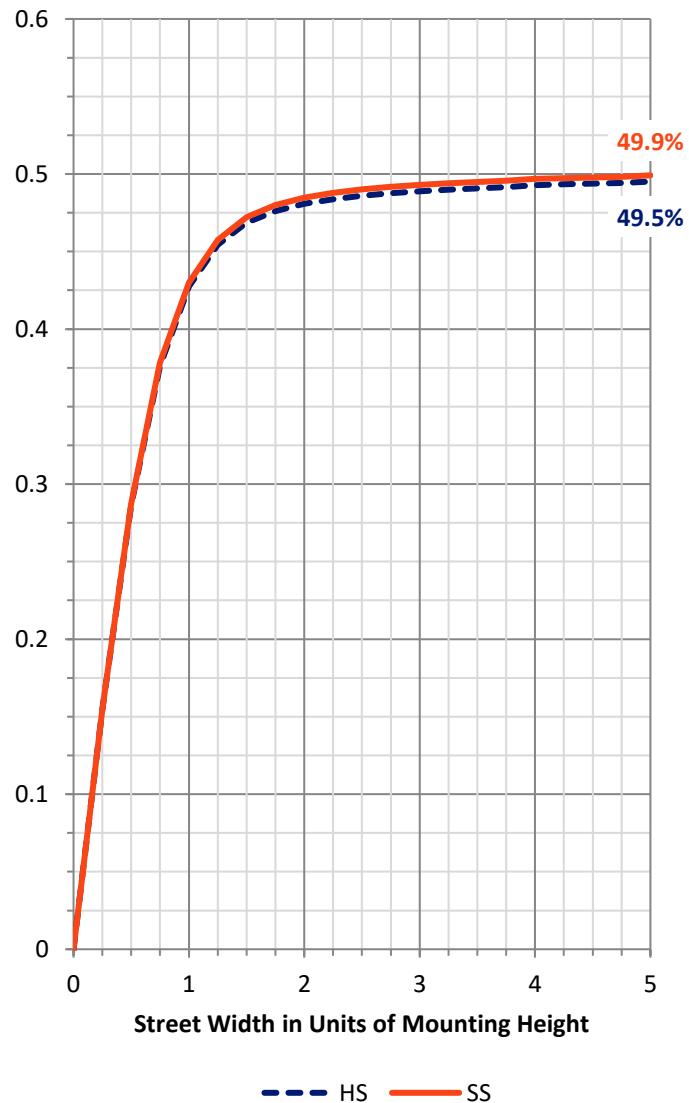
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3251.0	0.0	3251.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3251.0	0.0	3251.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6502.0	0.0	6502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.4
10°-20°	170.2	2.6
20°-30°	465.3	7.2
30°-40°	765.9	11.8
40°-50°	1028.7	15.8
50°-60°	1292.4	19.9
60°-70°	1660.6	25.5
70°-80°	973.6	15.0
80°-90°	116.3	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°	6502.0	100.0
0°-180°	6502.0	100.0

Coefficient of Utilization



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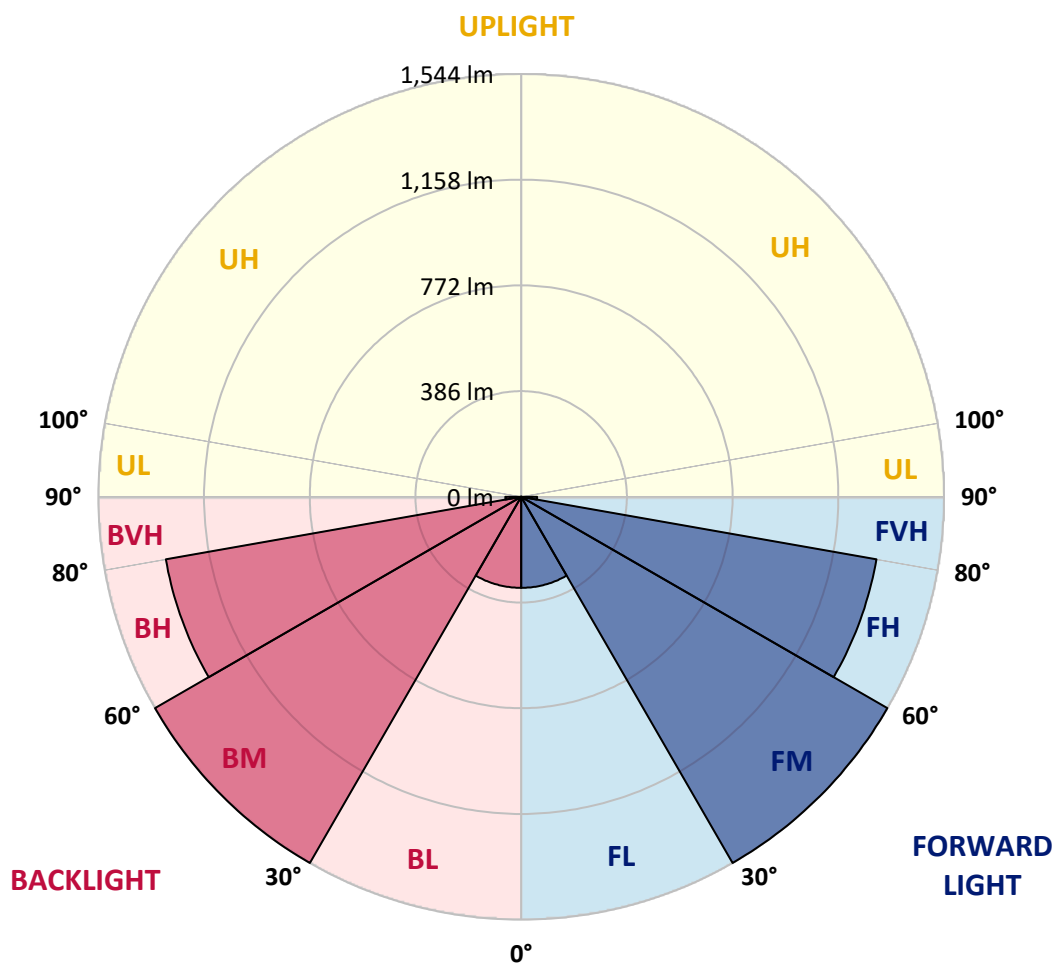
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.3	5.1			
FM	(30°-60°)	1543.5	23.7			
FH	(60°-80°)	1317.1	20.3			G1/1800
FVH	(80°-90°)	58.1	0.9			G1/100
BL	(0°-30°)	332.3	5.1	B1/500		
BM	(30°-60°)	1543.5	23.7	B2/2500		
BH	(60°-80°)	1317.1	20.3	B3/2500		G1/1800
BVH	(80°-90°)	58.1	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	272.4	276.2	263.1	272.4	276.2	279.8	281.1	261.9	258.8	255.7	252.6
5°	253.8	260.0	254.4	256.4	263.8	315.8	309.0	268.1	269.0	269.8	270.7
7.5°	375.8	382.6	362.8	333.8	326.3	269.4	250.8	302.8	295.7	288.7	281.6
10°	419.2	407.4	407.4	406.2	397.5	340.5	355.4	374.0	386.8	399.7	412.6
12.5°	548.0	549.2	530.6	480.5	457.6	526.2	484.2	406.2	403.7	401.2	398.7
15°	619.8	613.0	563.4	557.2	664.3	601.2	552.9	617.3	606.0	594.8	583.5
17.5°	695.9	698.4	693.4	637.0	694.1	684.2	711.4	676.1	665.3	654.5	643.8
20°	753.5	755.4	751.0	791.9	791.2	808.0	755.3	827.2	839.1	851.0	862.8
22.5°	798.7	803.0	801.8	852.0	901.4	871.8	985.6	972.7	969.0	965.3	961.5
25°	871.2	871.8	835.2	878.6	959.0	1012.9	1070.5	1162.1	1172.3	1182.4	1192.6
27.5°	889.1	892.8	855.6	931.2	965.2	1111.4	1297.1	1270.5	1261.1	1251.7	1242.3
30°	882.9	890.9	913.2	951.0	1035.8	1168.4	1305.8	1404.2	1397.5	1390.8	1384.2
32.5°	903.4	909.5	887.8	930.6	1035.8	1198.0	1398.0	1446.4	1462.1	1477.8	1493.5
35°	874.8	881.0	872.4	913.8	1012.9	1157.2	1386.9	1601.1	1596.1	1591.2	1586.2
37.5°	858.8	858.1	855.6	897.1	995.6	1146.0	1446.3	1640.1	1646.9	1653.7	1660.6
40°	817.3	822.8	821.6	859.4	951.0	1129.4	1425.9	1693.4	1717.5	1741.6	1765.8
42.5°	731.8	736.2	749.8	802.4	899.6	1090.4	1409.2	1769.6	1800.5	1831.4	1862.4
45°	652.6	653.2	671.8	723.8	824.1	1035.8	1411.0	1863.0	1895.9	1928.9	1961.8
47.5°	572.0	574.6	595.0	647.7	737.4	961.5	1403.6	1950.3	1993.1	2036.0	2078.8
50°	492.8	497.8	523.2	576.4	658.8	867.4	1368.4	2048.1	2101.5	2154.9	2208.3
52.5°	410.5	415.4	445.2	504.6	589.4	780.1	1289.1	2139.8	2209.8	2279.9	2350.0
55°	319.4	328.2	362.8	421.0	518.2	703.4	1165.2	2222.8	2312.0	2401.3	2490.6
57.5°	234.0	239.0	273.6	334.4	440.2	632.8	1030.3	2243.2	2356.2	2469.3	2582.3
60°	167.1	172.8	204.3	251.4	351.0	561.6	919.4	2189.3	2334.3	2479.3	2624.3
62.5°	137.4	141.8	169.6	193.2	268.7	484.8	842.6	2112.6	2302.9	2493.2	2683.5
65°	124.4	127.5	155.4	164.0	206.8	413.0	806.1	2089.0	2326.8	2564.5	2802.2
67.5°	114.0	118.9	144.2	148.6	175.8	373.3	793.8	2027.7	2290.2	2552.7	2815.3
68°	112.0	117.0	141.8	146.2	172.8	368.4	785.7	1974.4	2237.8	2501.2	2764.6
70°	105.9	110.2	132.5	136.8	168.4	344.2	697.8	1673.0	1918.6	2164.3	2410.0
72.5°	98.4	100.9	121.4	126.3	151.7	250.8	508.3	1125.0	1331.7	1538.3	1745.0
75°	86.0	90.4	109.6	116.4	117.0	151.0	321.4	659.4	796.6	933.8	1071.0
77.5°	74.3	78.6	95.4	115.8	96.6	105.2	206.2	391.9	453.8	515.7	577.7
80°	64.4	69.3	84.8	118.8	83.6	87.3	162.2	320.1	350.1	380.0	410.0
82.5°	49.6	55.1	74.3	107.8	69.4	70.6	131.3	304.6	327.1	349.7	372.2
85°	32.2	35.9	58.8	82.4	53.8	44.6	92.9	249.5	266.1	282.7	299.3
87.5°	15.5	23.6	40.9	42.8	32.8	24.2	51.4	151.7	164.2	176.7	189.2
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	249.5	246.4	245.2	240.2	235.9	232.8	229.7	226.6	222.9	219.8	219.8
5°	271.5	272.4	276.2	276.2	276.2	274.3	270.6	266.8	265.0	257.0	248.3
7.5°	274.5	267.5	253.2	251.4	256.4	263.2	265.0	267.5	269.4	268.1	266.8
10°	425.5	438.4	439.6	435.2	432.2	419.8	409.2	388.8	390.7	401.2	404.9
12.5°	396.3	393.8	401.8	424.1	448.3	451.4	453.8	450.8	440.8	423.4	406.2
15°	572.2	561.0	561.0	559.7	556.0	550.4	559.7	580.1	587.6	586.3	584.5
17.5°	633.0	622.2	614.8	589.4	573.3	567.8	563.4	566.5	572.1	595.6	612.3
20°	874.7	886.6	900.8	890.3	884.1	867.4	845.8	839.6	834.6	840.2	845.8
22.5°	957.8	954.1	961.0	926.2	991.2	978.2	990.0	1012.3	998.7	988.8	979.5
25°	1202.7	1212.9	1202.4	1198.6	1178.8	1164.0	1173.3	1169.6	1140.5	1123.8	1127.4
27.5°	1232.9	1223.4	1208.6	1201.8	1198.7	1222.2	1244.4	1210.4	1278.0	1261.2	1288.4
30°	1377.5	1370.8	1349.7	1344.8	1361.5	1351.6	1328.0	1330.0	1334.2	1333.6	1320.0
32.5°	1509.2	1525.0	1512.0	1547.2	1533.6	1505.2	1508.8	1527.4	1522.4	1501.4	1493.4
35°	1581.3	1576.4	1604.8	1607.3	1577.6	1575.7	1590.0	1588.1	1571.4	1574.5	1575.1
37.5°	1667.4	1674.2	1701.4	1673.6	1676.6	1693.4	1695.2	1677.2	1679.1	1686.6	1694.0
40°	1790.0	1814.1	1794.9	1791.8	1817.8	1846.3	1829.0	1830.2	1845.0	1863.6	1846.9
42.5°	1893.3	1924.2	1917.5	1950.3	1990.0	2006.0	2017.2	2047.5	2079.7	2068.6	2108.2
45°	1994.8	2027.7	2058.0	2120.6	2161.4	2174.4	2237.0	2284.0	2300.1	2327.4	2378.8
47.5°	2121.7	2164.5	2228.9	2295.8	2320.0	2387.4	2461.1	2505.0	2535.4	2618.4	2642.5
50°	2261.6	2315.0	2399.8	2456.1	2503.2	2588.6	2674.1	2714.3	2812.8	2871.0	2919.9
52.5°	2420.1	2490.2	2574.4	2611.6	2692.7	2809.0	2862.3	2934.8	3044.4	3116.2	3233.2
55°	2579.9	2669.1	2727.3	2793.6	2889.0	2991.7	3043.1	3180.5	3260.4	3380.6	3538.4
57.5°	2695.4	2808.4	2854.2	2963.2	3074.7	3133.5	3247.4	3371.8	3469.0	3665.4	3825.6
60°	2769.3	2914.3	3007.8	3134.1	3241.8	3318.0	3474.6	3591.6	3763.8	3985.4	4176.8
62.5°	2873.8	3064.2	3233.8	3404.0	3466.6	3622.6	3781.8	3922.3	4197.8	4442.4	4686.9
65°	3040.0	3277.8	3522.3	3705.6	3830.0	4036.8	4204.6	4434.9	4744.5	5054.0	5335.8
67.5°	3077.8	3340.3	3638.8	3804.6	4008.4	4222.6	4395.3	4702.4	5010.8	5337.6	5673.2
68°	3028.0	3291.4	3595.4	3763.2	3976.8	4191.6	4370.5	4674.5	4982.9	5307.9	5650.3
70°	2655.7	2901.4	3182.4	3386.8	3633.8	3802.8	4035.6	4319.8	4610.8	4950.6	5297.4
72.5°	1951.7	2158.4	2426.4	2627.0	2890.8	3034.4	3266.0	3510.6	3798.4	4134.0	4479.5
75°	1208.2	1345.4	1557.8	1738.0	1923.1	2060.6	2263.6	2486.5	2704.4	2970.6	3273.4
77.5°	639.6	701.5	826.6	915.7	1011.6	1076.0	1141.7	1272.3	1332.4	1404.2	1500.2
80°	439.9	469.9	512.6	536.8	525.6	481.0	419.8	398.8	379.5	353.6	329.4
82.5°	394.8	417.3	445.2	468.0	469.3	427.2	350.4	294.1	254.4	216.0	186.4
85°	315.9	332.5	350.4	369.0	387.0	360.3	304.6	239.0	184.5	148.0	126.9
87.5°	201.7	214.2	226.0	247.6	257.0	249.5	221.6	175.8	130.6	100.3	83.6
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	213.6	213.6	212.4	211.2	209.3	208.0	207.4	208.0	207.4	206.8	206.8
5°	241.4	233.4	226.0	221.6	216.7	214.2	216.7	211.8	209.8	208.6	209.3
7.5°	266.8	265.6	263.2	252.0	235.2	220.4	213.6	211.2	211.2	210.5	210.5
10°	406.2	402.4	396.2	389.4	383.9	367.2	347.4	339.9	335.0	334.4	333.1
12.5°	409.2	416.7	419.2	419.2	413.6	410.4	391.3	370.2	358.5	357.8	356.6
15°	569.6	544.2	549.8	558.4	557.2	556.6	557.8	532.4	515.8	513.2	512.7
17.5°	609.2	621.0	591.2	655.0	621.7	658.2	640.8	676.1	648.8	660.6	663.7
20°	862.5	859.4	855.0	842.6	840.8	851.3	862.4	853.2	826.6	812.4	803.6
22.5°	985.7	1005.4	1014.2	1011.0	999.3	993.7	991.8	985.0	981.3	987.6	993.1
25°	1134.2	1125.6	1135.5	1134.9	1124.4	1116.4	1129.3	1137.4	1136.2	1104.6	1082.3
27.5°	1284.7	1268.0	1264.9	1266.2	1277.3	1274.8	1277.9	1271.1	1259.3	1267.4	1277.9
30°	1306.4	1299.6	1308.8	1298.4	1302.1	1296.5	1287.2	1280.4	1308.8	1304.6	1294.0
32.5°	1490.2	1497.1	1476.6	1471.7	1471.1	1452.5	1453.8	1468.0	1461.2	1470.4	1472.3
35°	1577.6	1559.0	1553.4	1541.7	1523.8	1540.4	1534.2	1532.4	1531.2	1529.9	1521.9
37.5°	1678.5	1692.2	1676.0	1657.4	1677.2	1667.4	1660.6	1658.6	1655.6	1644.4	1642.0
40°	1861.2	1876.0	1863.0	1887.2	1882.8	1888.4	1876.0	1871.0	1858.7	1864.8	1859.9
42.5°	2113.2	2117.4	2155.2	2181.2	2180.0	2180.0	2172.6	2172.0	2147.2	2149.7	2160.8
45°	2387.4	2439.4	2472.2	2503.2	2514.4	2518.0	2504.4	2518.1	2498.8	2476.6	2497.6
47.5°	2695.2	2765.0	2809.0	2840.6	2856.1	2853.6	2866.6	2860.4	2851.1	2866.6	2861.7
50°	3034.4	3095.7	3160.7	3187.4	3196.0	3217.0	3240.6	3259.8	3268.5	3251.1	3262.9
52.5°	3340.9	3437.5	3513.0	3552.6	3591.0	3620.2	3661.0	3698.8	3713.0	3726.0	3727.2
55°	3671.6	3799.0	3885.1	3953.8	4017.6	4072.7	4134.6	4183.6	4223.2	4251.0	4254.8
57.5°	3985.4	4127.8	4239.9	4371.2	4449.2	4555.6	4636.2	4715.4	4789.7	4807.0	4820.7
60°	4380.4	4555.6	4738.3	4868.3	5023.7	5190.2	5299.2	5411.3	5455.3	5537.6	5583.4
62.5°	4924.0	5128.4	5385.3	5582.2	5797.6	6004.5	6190.2	6328.9	6395.8	6485.5	6518.3
65°	5639.8	5961.2	6228.0	6542.5	6811.2	7062.0	7283.0	7478.0	7572.2	7678.0	7689.8
67.5°	6008.2	6357.4	6731.3	7089.8	7379.6	7670.6	7884.2	8069.3	8216.0	8272.4	8292.8
68°	5994.0	6345.0	6735.0	7095.4	7392.6	7676.8	7892.2	8079.2	8221.0	8282.9	8302.7
70°	5691.2	6029.2	6479.3	6827.9	7136.2	7443.4	7648.2	7834.6	7956.6	8026.6	8091.0
72.5°	4826.8	5226.2	5620.0	5947.5	6278.8	6532.0	6688.0	6894.8	6954.8	7038.4	7064.4
75°	3553.9	3899.4	4176.7	4381.0	4618.8	4792.8	4930.2	4930.2	5009.5	5023.2	5111.7
77.5°	1638.8	1661.2	1705.8	1673.6	1702.0	1749.7	1691.5	1625.2	1668.0	1554.6	1655.6
80°	339.3	319.5	329.4	318.2	320.7	325.6	335.0	330.0	329.4	324.4	330.6
82.5°	169.6	167.8	168.4	169.0	169.0	169.0	169.6	169.6	170.8	168.4	168.4
85°	114.6	109.6	110.2	107.7	106.5	105.9	102.2	98.4	100.3	99.1	94.1
87.5°	74.3	68.8	66.2	63.1	60.1	57.6	54.4	50.8	46.4	45.2	43.3
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)