

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: P157021

Luminaire Tested: **UTLD-E03-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157021
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8081.9 lumens
Efficiency: N/A
Efficacy: 107.5 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

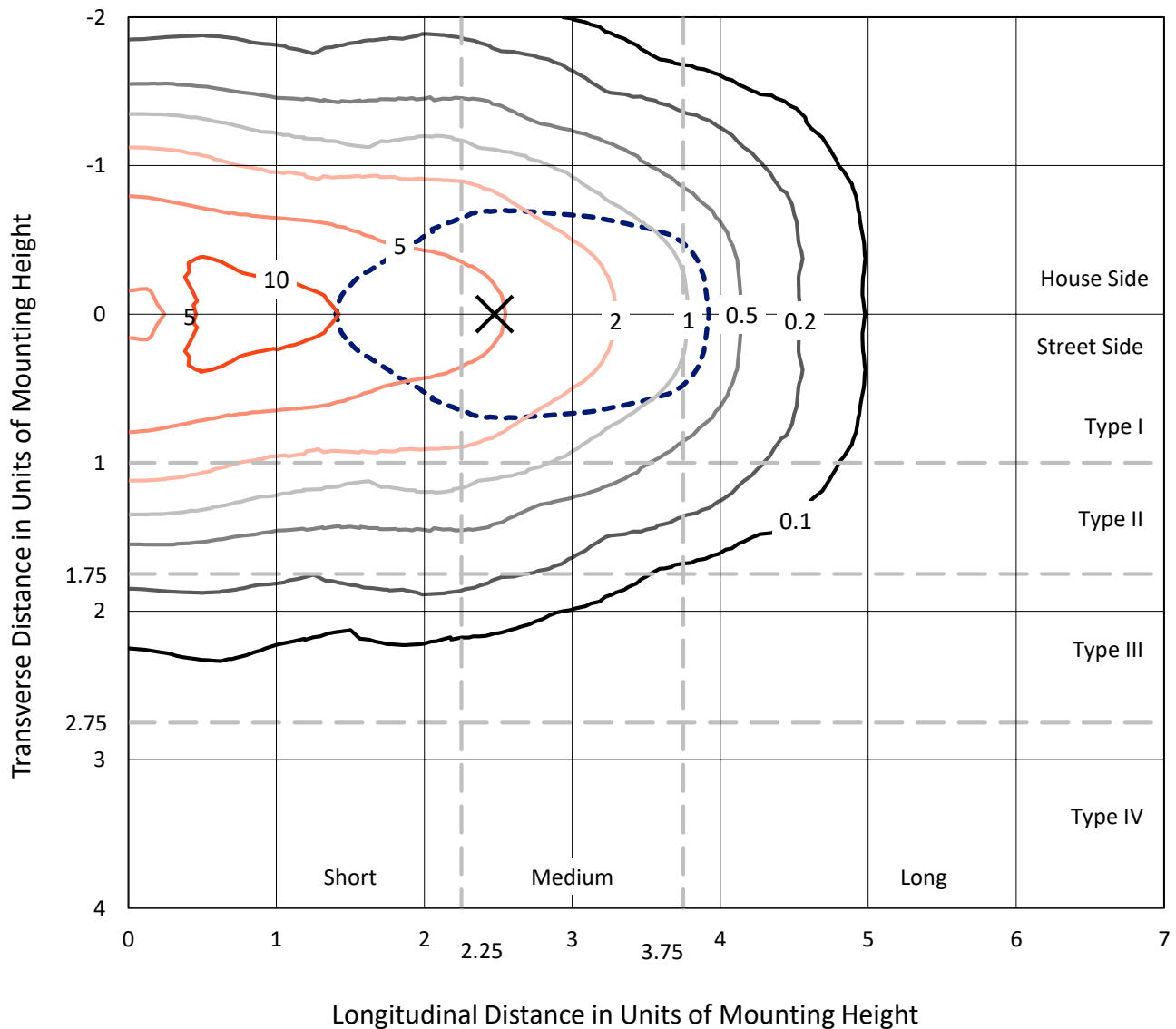


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

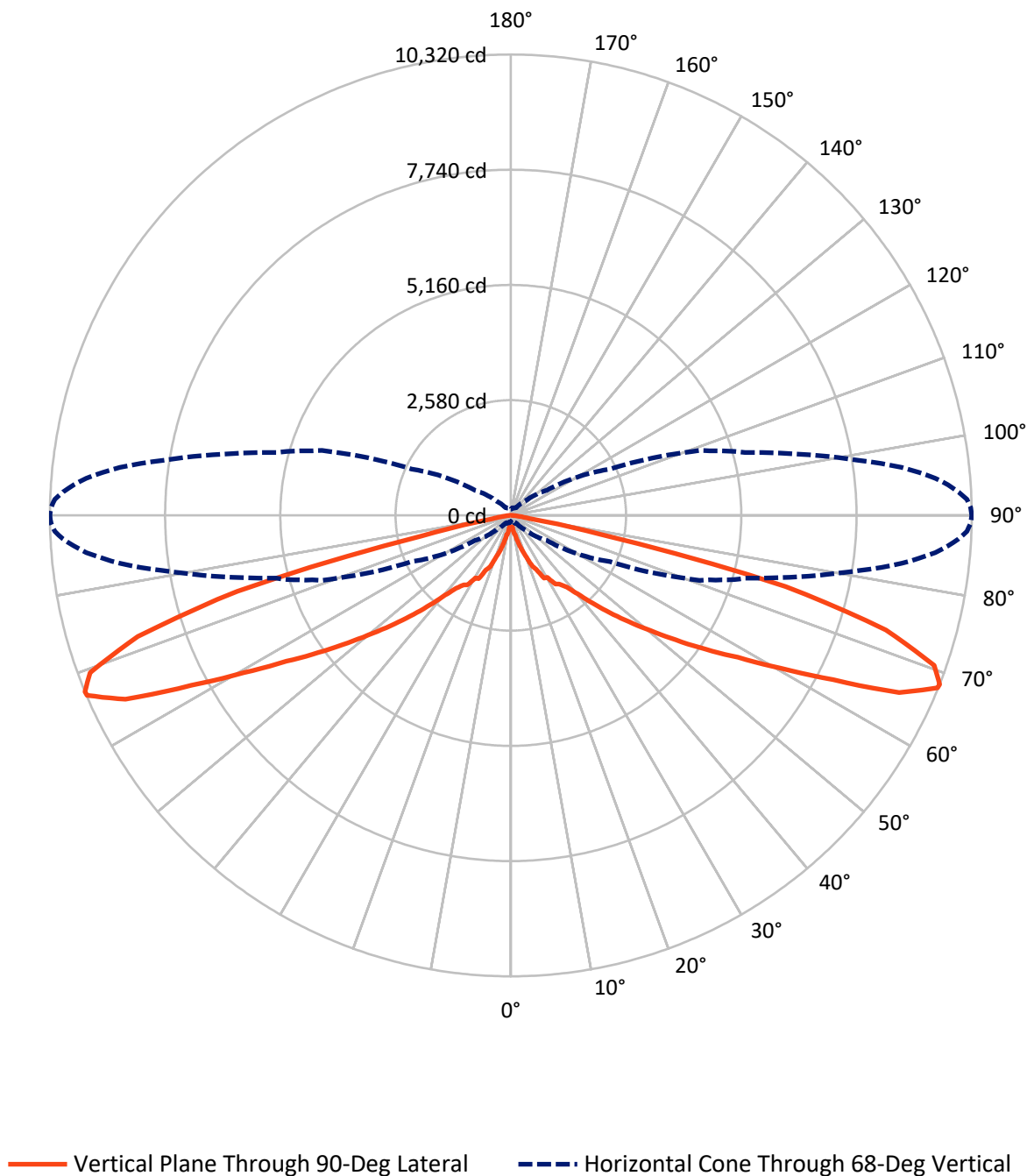


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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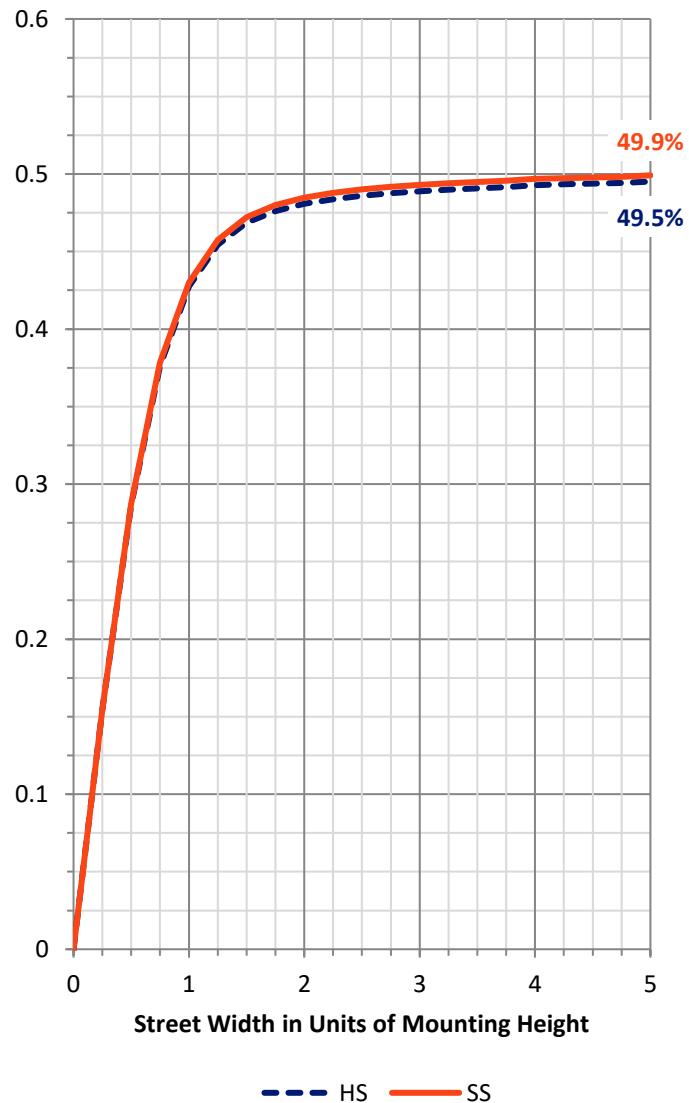
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4040.9	0.0	4040.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4040.9	0.0	4040.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8081.9	0.0	8081.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.4
10°-20°	211.6	2.6
20°-30°	578.4	7.2
30°-40°	952.0	11.8
40°-50°	1278.7	15.8
50°-60°	1606.4	19.9
60°-70°	2064.1	25.5
70°-80°	1210.1	15.0
80°-90°	144.5	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°	8081.9	100.0
0°-180°	8081.9	100.0

Coefficient of Utilization



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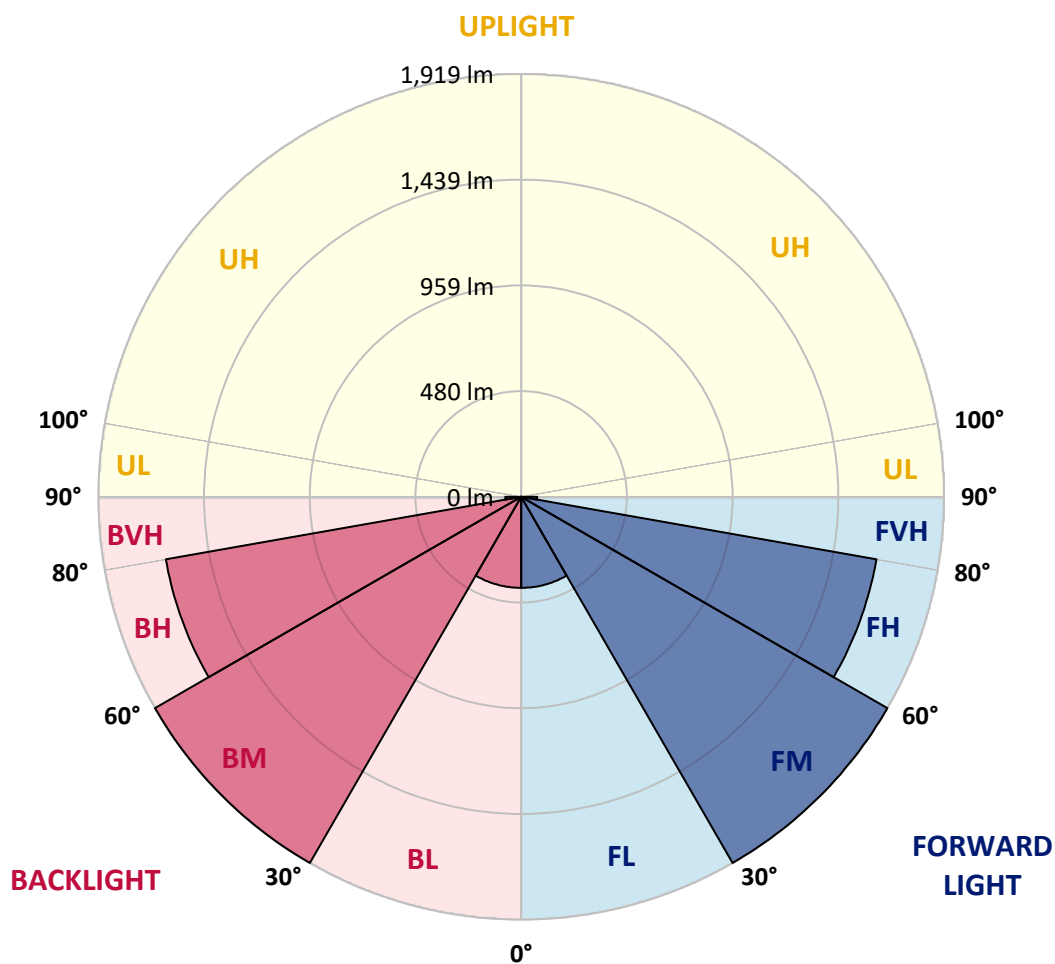
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.0	5.1			
FM	(30°-60°)	1918.6	23.7			
FH	(60°-80°)	1637.1	20.3			G1/1800
FVH	(80°-90°)	72.3	0.9			G1/100
BL	(0°-30°)	413.0	5.1	B1/500		
BM	(30°-60°)	1918.6	23.7	B2/2500		
BH	(60°-80°)	1637.1	20.3	B3/2500		G1/1800
BVH	(80°-90°)	72.3	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°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	338.6	343.2	327.0	338.6	343.2	347.8	349.4	325.6	321.7	317.8	314.0
5°	315.5	323.2	316.3	318.6	327.8	392.5	384.0	333.2	334.3	335.4	336.5
7.5°	467.2	475.6	451.0	414.8	405.5	334.8	311.7	376.4	367.6	358.8	350.0
10°	521.0	506.4	506.4	504.8	494.0	423.2	441.8	464.8	480.8	496.8	512.8
12.5°	681.1	682.6	659.6	597.2	568.7	654.2	601.8	504.8	501.8	498.7	495.6
15°	770.4	761.9	700.3	692.6	825.8	747.3	687.2	767.3	753.3	739.3	725.3
17.5°	865.0	868.0	862.0	791.9	862.7	850.4	884.2	840.4	827.0	813.6	800.2
20°	936.6	938.9	933.5	984.2	983.5	1004.3	938.9	1028.2	1042.9	1057.7	1072.5
22.5°	992.8	998.2	996.6	1058.9	1120.5	1083.6	1225.2	1209.0	1204.4	1199.8	1195.2
25°	1082.8	1083.6	1038.2	1092.1	1192.1	1259.0	1330.6	1444.5	1457.1	1469.7	1482.4
27.5°	1105.1	1109.8	1063.6	1157.4	1199.8	1381.4	1612.2	1579.2	1567.5	1555.8	1544.1
30°	1097.4	1107.4	1135.1	1182.1	1287.5	1452.2	1623.1	1745.4	1737.1	1728.8	1720.5
32.5°	1122.8	1130.6	1103.6	1156.7	1287.5	1489.2	1737.7	1797.8	1817.3	1836.8	1856.4
35°	1087.4	1095.1	1084.4	1135.9	1259.0	1438.4	1723.8	1990.2	1984.0	1977.8	1971.7
37.5°	1067.4	1066.6	1063.6	1115.1	1237.4	1424.5	1797.7	2038.6	2047.1	2055.5	2064.0
40°	1015.9	1022.8	1021.2	1068.2	1182.0	1403.8	1772.4	2104.8	2134.8	2164.8	2194.8
42.5°	909.6	915.0	932.0	997.4	1118.2	1355.2	1751.6	2199.4	2237.9	2276.4	2314.9
45°	811.1	811.9	835.0	899.6	1024.3	1287.5	1753.8	2315.6	2356.6	2397.6	2438.5
47.5°	711.1	714.2	739.6	805.0	916.6	1195.2	1744.6	2424.2	2477.4	2530.7	2584.0
50°	612.6	618.8	650.3	716.5	818.8	1078.2	1700.8	2545.8	2612.1	2678.5	2744.8
52.5°	510.2	516.4	553.3	627.2	732.6	969.7	1602.2	2659.6	2746.8	2833.9	2921.0
55°	397.1	407.9	451.0	523.3	644.2	874.2	1448.4	2762.8	2873.7	2984.7	3095.7
57.5°	290.9	297.0	340.2	415.6	547.2	786.5	1280.6	2788.1	2928.7	3069.2	3209.7
60°	207.8	214.7	254.0	312.4	436.4	698.0	1142.8	2721.2	2901.5	3081.7	3261.9
62.5°	170.8	176.2	210.8	240.1	334.0	602.6	1047.4	2625.8	2862.4	3098.9	3335.5
65°	154.7	158.5	193.2	203.9	257.0	513.3	1002.0	2596.6	2892.1	3187.6	3483.1
67.5°	141.6	147.8	179.3	184.7	218.6	464.1	986.6	2520.4	2846.7	3173.0	3499.3
68°	139.3	145.4	176.2	181.6	214.7	457.9	976.6	2454.2	2781.6	3109.0	3436.3
70°	131.6	137.0	164.7	170.1	209.4	427.8	867.4	2079.4	2384.8	2690.1	2995.5
72.5°	122.4	125.4	150.8	157.0	188.5	311.7	631.8	1398.3	1655.2	1912.1	2169.0
75°	107.0	112.4	136.2	144.7	145.4	187.8	399.4	819.6	990.1	1160.7	1331.2
77.5°	92.3	97.8	118.6	143.9	120.0	130.9	256.2	487.1	564.1	641.0	718.0
80°	80.0	86.2	105.4	147.8	103.9	108.5	201.6	397.8	435.1	472.4	509.6
82.5°	61.6	68.5	92.3	134.0	86.2	87.8	163.2	378.6	406.6	434.6	462.7
85°	40.0	44.7	73.1	102.4	66.9	55.4	115.4	310.2	330.8	351.4	372.0
87.5°	19.2	29.2	50.8	53.1	40.8	30.0	63.9	188.6	204.1	219.6	235.2
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°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	310.1	306.2	304.8	298.6	293.2	289.4	285.5	281.6	277.0	273.2	273.2
5°	337.6	338.6	343.2	343.2	343.2	340.9	336.3	331.7	329.4	319.4	308.6
7.5°	341.2	332.4	314.8	312.4	318.6	327.1	329.4	332.5	334.8	333.2	331.7
10°	528.8	544.8	546.4	541.0	537.2	521.8	508.6	483.3	485.6	498.6	503.4
12.5°	492.5	489.4	499.4	527.2	557.2	561.0	564.1	560.2	548.0	526.4	504.8
15°	711.3	697.2	697.2	695.7	691.1	684.2	695.7	721.0	730.3	728.8	726.5
17.5°	786.8	773.4	764.2	732.7	712.6	705.7	700.3	704.2	711.1	740.3	761.1
20°	1087.3	1102.0	1119.7	1106.6	1099.0	1078.2	1051.2	1043.6	1037.4	1044.4	1051.2
22.5°	1190.6	1185.9	1194.4	1151.3	1232.1	1216.0	1230.6	1258.2	1241.3	1229.0	1217.4
25°	1495.0	1507.6	1494.5	1489.9	1465.3	1446.8	1458.4	1453.8	1417.6	1396.8	1401.4
27.5°	1532.4	1520.7	1502.2	1493.8	1489.9	1519.1	1546.8	1504.6	1588.4	1567.6	1601.5
30°	1712.2	1703.8	1677.7	1671.5	1692.3	1680.0	1650.8	1653.0	1658.4	1657.7	1640.8
32.5°	1876.0	1895.5	1879.3	1923.2	1906.2	1870.8	1875.4	1898.6	1892.4	1866.2	1856.2
35°	1965.5	1959.4	1994.8	1997.8	1960.9	1958.6	1976.3	1974.0	1953.2	1957.0	1957.8
37.5°	2072.4	2080.9	2114.8	2080.2	2084.0	2104.8	2107.1	2084.8	2087.1	2096.4	2105.6
40°	2224.8	2254.9	2231.0	2227.2	2259.5	2294.8	2273.4	2274.9	2293.4	2316.4	2295.7
42.5°	2353.4	2391.8	2383.4	2424.2	2473.4	2493.4	2507.2	2545.0	2585.0	2571.1	2620.4
45°	2479.4	2520.4	2558.0	2635.8	2686.6	2702.8	2780.5	2839.0	2859.0	2892.9	2956.7
47.5°	2637.2	2690.4	2770.5	2853.6	2883.6	2967.5	3059.0	3113.7	3151.4	3254.6	3284.6
50°	2811.1	2877.4	2982.9	3052.9	3111.4	3217.6	3323.8	3373.8	3496.2	3568.6	3629.3
52.5°	3008.1	3095.2	3200.0	3246.1	3346.9	3491.6	3557.8	3647.8	3784.0	3873.3	4018.8
55°	3206.7	3317.6	3390.0	3472.4	3590.8	3718.6	3782.5	3953.4	4052.6	4201.9	4398.2
57.5°	3350.3	3490.8	3547.8	3683.2	3821.8	3894.8	4036.4	4191.1	4312.0	4555.9	4755.2
60°	3442.2	3622.4	3738.6	3895.6	4029.5	4124.2	4318.9	4464.4	4678.2	4953.8	5191.6
62.5°	3572.1	3808.6	4019.5	4231.2	4308.8	4502.8	4700.6	4875.3	5217.8	5521.7	5825.7
65°	3778.6	4074.2	4378.2	4606.0	4760.6	5017.6	5226.2	5512.5	5897.3	6282.1	6632.2
67.5°	3825.6	4151.9	4522.8	4729.0	4982.3	5248.5	5463.2	5845.0	6228.2	6634.6	7051.7
68°	3763.7	4091.1	4469.0	4677.5	4943.0	5210.0	5432.4	5810.3	6193.6	6597.6	7023.2
70°	3300.9	3606.2	3955.7	4209.6	4516.6	4726.8	5016.1	5369.4	5731.0	6153.6	6584.6
72.5°	2425.9	2682.8	3016.0	3265.3	3593.2	3771.7	4059.5	4363.6	4721.4	5138.5	5567.9
75°	1501.8	1672.3	1936.3	2160.2	2390.3	2561.2	2813.6	3090.6	3361.6	3692.4	4068.8
77.5°	794.9	871.9	1027.4	1138.2	1257.5	1337.6	1419.2	1581.5	1656.2	1745.4	1864.7
80°	546.8	584.1	637.2	667.2	653.4	598.0	521.8	495.6	471.8	439.4	409.5
82.5°	490.7	518.7	553.3	581.8	583.3	531.0	435.6	365.5	316.3	268.6	231.6
85°	392.6	413.2	435.6	458.6	481.0	447.9	378.6	297.0	229.3	184.0	157.8
87.5°	250.7	266.2	280.9	307.8	319.4	310.2	275.5	218.6	162.4	124.7	103.8
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°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	265.5	265.5	264.0	262.4	260.1	258.6	257.8	258.6	257.8	257.0	257.0
5°	300.2	290.2	280.9	275.5	269.4	266.3	269.4	263.2	260.9	259.4	260.1
7.5°	331.7	330.2	327.1	313.2	292.4	274.0	265.5	262.4	262.4	261.6	261.7
10°	504.8	500.2	492.6	484.0	477.2	456.4	431.8	422.5	416.4	415.6	414.0
12.5°	508.7	517.9	521.0	521.0	514.1	510.2	486.4	460.2	445.6	444.8	443.3
15°	708.0	676.5	683.4	694.2	692.6	691.8	693.4	661.8	641.0	638.0	637.2
17.5°	757.2	771.9	735.0	814.2	772.7	818.1	796.5	840.4	806.5	821.1	825.0
20°	1072.1	1068.2	1062.8	1047.4	1045.1	1058.2	1072.0	1060.4	1027.4	1009.6	998.9
22.5°	1225.2	1249.8	1260.6	1256.7	1242.1	1235.2	1232.8	1224.4	1219.8	1227.5	1234.4
25°	1409.8	1399.1	1411.4	1410.6	1397.6	1387.6	1403.7	1413.8	1412.2	1372.9	1345.2
27.5°	1596.9	1576.1	1572.2	1573.8	1587.6	1584.6	1588.4	1580.0	1565.3	1575.4	1588.4
30°	1623.8	1615.4	1626.9	1613.8	1618.4	1611.5	1600.0	1591.5	1626.9	1621.5	1608.4
32.5°	1852.4	1860.8	1835.4	1829.3	1828.5	1805.4	1807.0	1824.6	1816.2	1827.8	1830.1
35°	1960.9	1937.8	1930.9	1916.2	1893.9	1914.7	1907.0	1904.7	1903.2	1901.6	1891.6
37.5°	2086.4	2103.3	2083.2	2060.2	2084.8	2072.5	2064.0	2061.7	2057.8	2044.0	2040.9
40°	2313.4	2331.8	2315.6	2345.6	2340.3	2347.2	2331.8	2325.6	2310.3	2318.0	2311.8
42.5°	2626.6	2632.0	2678.9	2711.2	2709.7	2709.7	2700.4	2699.6	2668.9	2672.0	2685.8
45°	2967.5	3032.2	3072.9	3111.4	3125.2	3129.9	3113.0	3129.9	3106.0	3078.3	3104.5
47.5°	3350.0	3437.0	3491.6	3530.8	3550.0	3547.0	3563.2	3555.4	3544.0	3563.2	3557.0
50°	3771.7	3847.9	3928.7	3961.8	3972.6	3998.8	4028.0	4051.8	4062.6	4041.0	4055.7
52.5°	4152.6	4272.7	4366.6	4415.8	4463.6	4499.8	4550.6	4597.5	4615.2	4631.4	4632.9
55°	4563.6	4722.2	4829.2	4914.6	4993.8	5062.3	5139.2	5200.0	5249.3	5283.9	5288.5
57.5°	4953.8	5130.8	5270.1	5433.2	5530.2	5662.6	5762.7	5861.1	5953.4	5975.0	5991.9
60°	5444.8	5662.5	5889.6	6051.2	6244.4	6451.4	6586.8	6726.2	6780.8	6883.1	6940.1
62.5°	6120.5	6374.4	6693.8	6938.5	7206.4	7463.4	7694.2	7866.6	7949.8	8061.4	8102.1
65°	7010.1	7409.5	7741.2	8132.2	8466.2	8777.8	9052.6	9295.0	9412.0	9543.6	9558.2
67.5°	7468.0	7902.0	8366.9	8812.4	9172.6	9534.3	9799.8	10030.0	10212.3	10282.3	10307.7
68°	7450.3	7886.6	8371.5	8819.4	9188.8	9542.0	9809.8	10042.2	10218.4	10295.4	10320.1
70°	7074.0	7494.2	8053.6	8486.9	8870.2	9251.9	9506.6	9738.2	9889.8	9976.8	10056.9
72.5°	5999.7	6496.0	6985.5	7392.6	7804.3	8119.1	8313.0	8570.0	8644.6	8748.6	8780.9
75°	4417.4	4846.8	5191.5	5445.6	5741.0	5957.3	6128.2	6128.2	6226.7	6243.6	6353.6
77.5°	2037.0	2064.8	2120.1	2080.2	2115.6	2174.8	2102.4	2020.2	2073.2	1932.4	2057.9
80°	421.7	397.1	409.4	395.6	398.6	404.8	416.4	410.2	409.4	403.2	411.0
82.5°	210.8	208.6	209.4	210.1	210.0	210.1	210.9	210.8	212.4	209.4	209.3
85°	142.4	136.2	137.0	133.9	132.4	131.6	127.0	122.4	124.7	123.2	117.0
87.5°	92.4	85.4	82.4	78.5	74.6	71.6	67.8	63.1	57.7	56.2	53.9
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)