

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: P239567

Luminaire Tested: **UTLD-AF24-90-D-U-SL3**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P239567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-12-U0)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/28/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-90-D-U-SL3
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8637.8 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 94
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

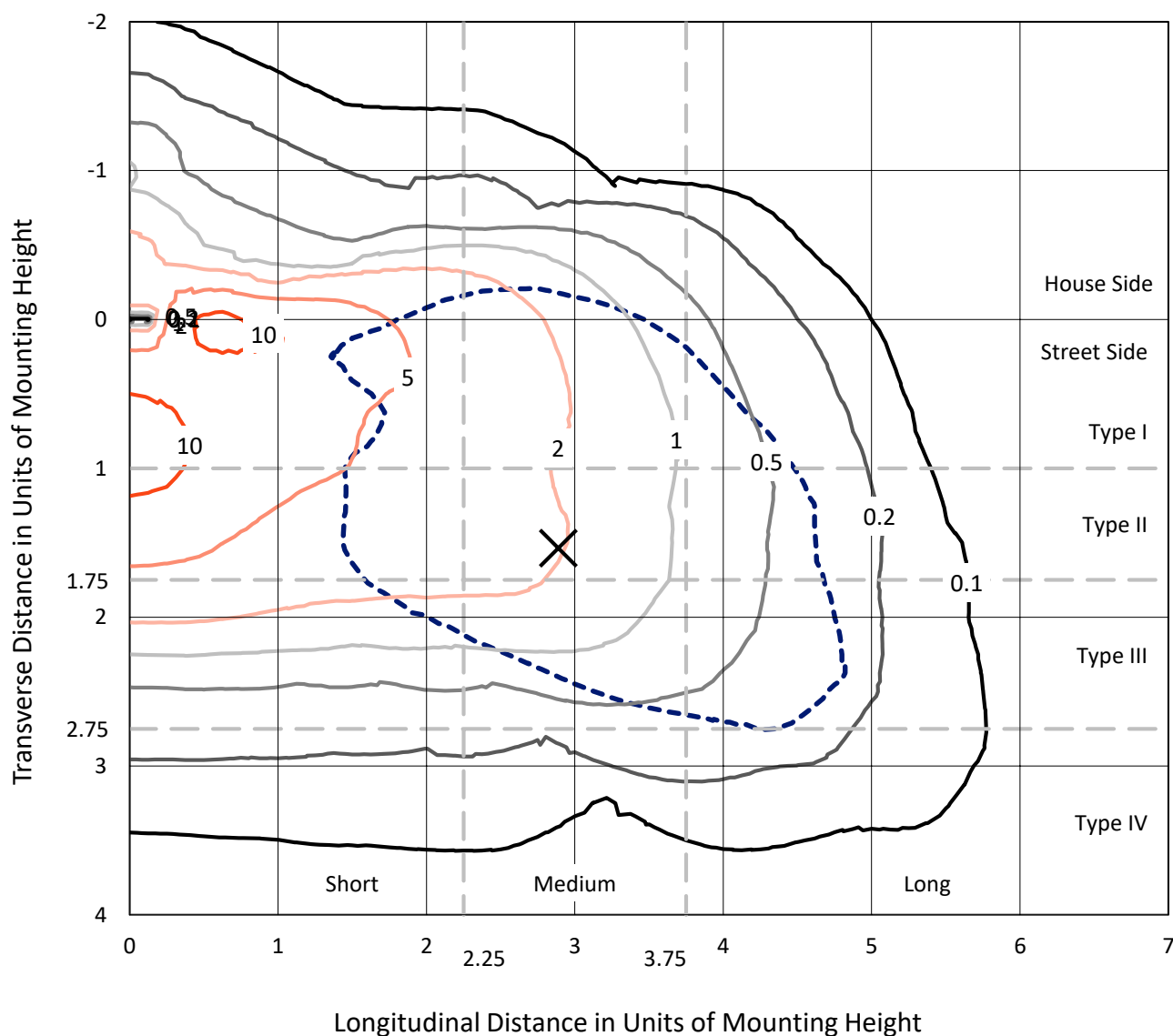


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

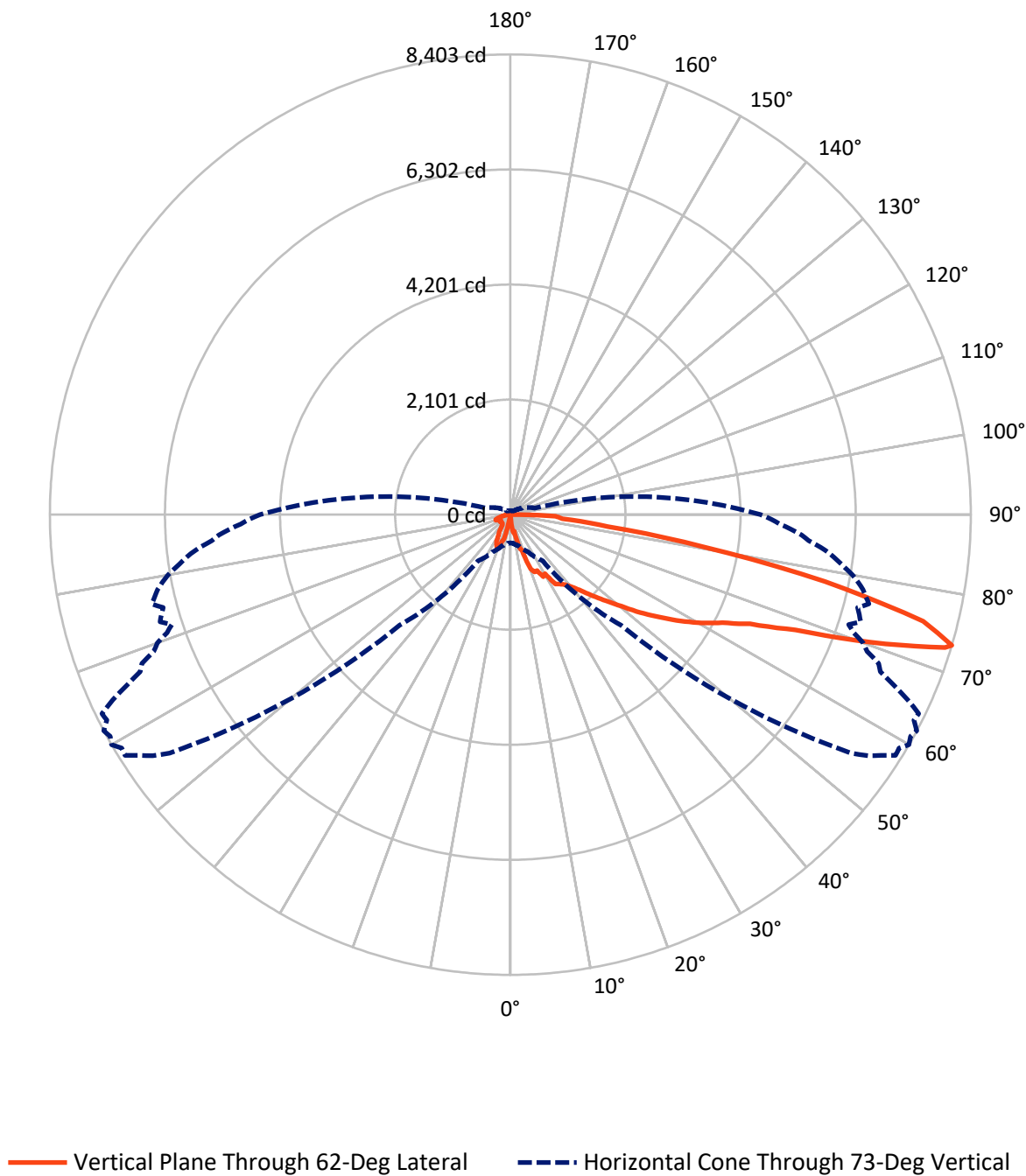


Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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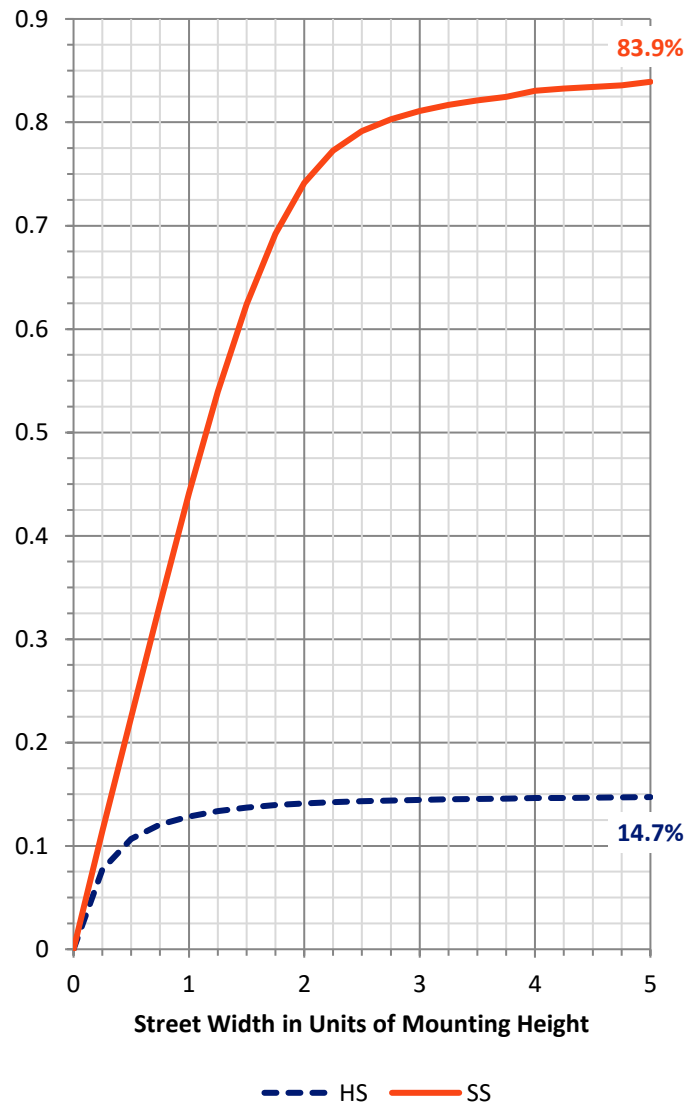
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1292.1	0.0	1292.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	7345.7	0.0	7345.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	8637.8	0.0	8637.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	151.4	1.8
20°-30°	403.7	4.7
30°-40°	728.9	8.4
40°-50°	1178.5	13.6
50°-60°	1807.8	20.9
60°-70°	2232.0	25.8
70°-80°	1799.7	20.8
80°-90°	322.2	3.7
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°	8637.8	100.0
0°-180°	8637.8	100.0

Coefficient of Utilization



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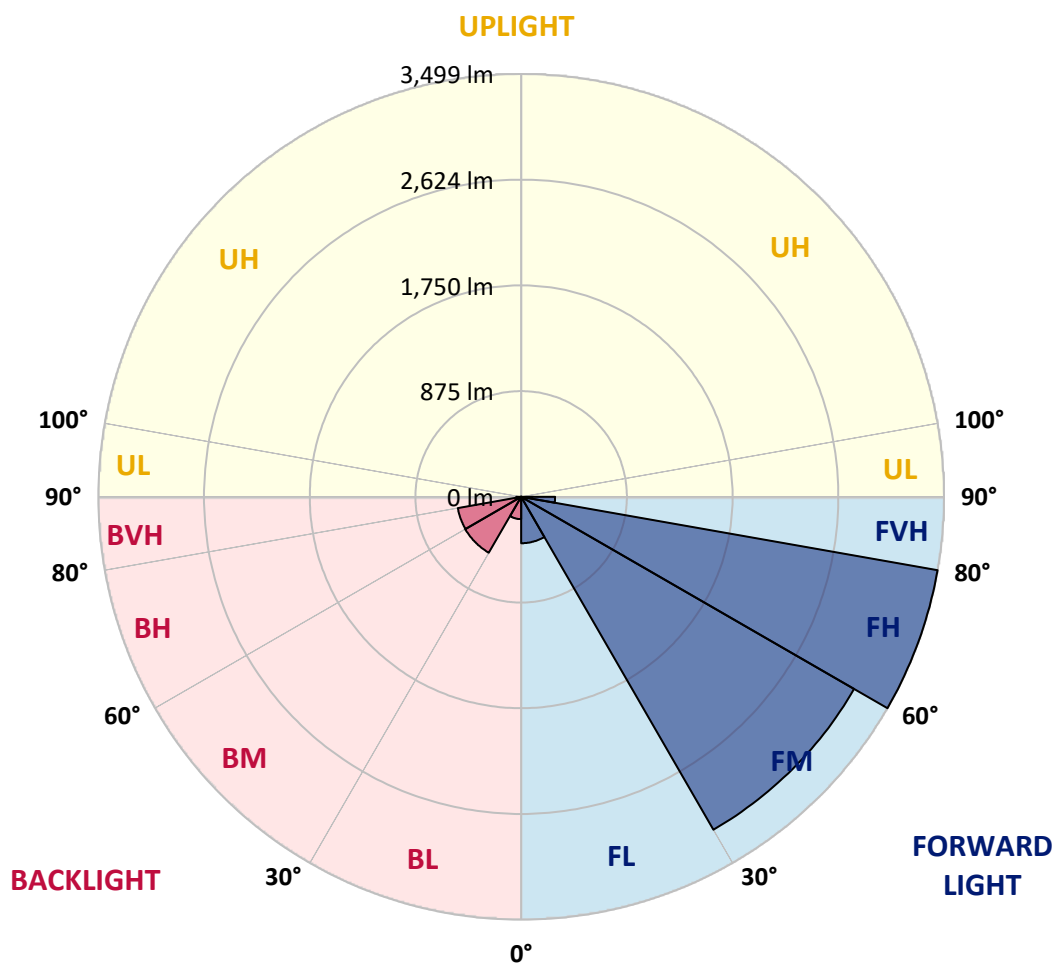
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.2	4.4			
FM	(30°-60°)	3181.0	36.8			
FH	(60°-80°)	3499.2	40.5			G2/5000
FVH	(80°-90°)	281.2	3.3			G3/500
BL	(0°-30°)	184.6	2.1	B1/500		
BM	(30°-60°)	534.1	6.2	B1/1000		
BH	(60°-80°)	532.5	6.2	B2/1000		G2/1000
BVH	(80°-90°)	40.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	35.9	28.7	26.7	20.6	13.3	5.1	2.0	2.0	2.0	2.0	2.0
5°	357.9	357.9	357.9	361.0	361.0	331.2	41.0	40.0	39.0	35.9	30.8
7.5°	343.6	342.6	343.6	345.7	347.7	350.8	356.9	356.9	355.9	355.9	357.9
10°	646.1	648.1	524.1	375.3	344.6	344.6	349.7	350.8	349.7	349.7	349.7
12.5°	628.7	626.7	628.7	632.8	644.0	364.1	351.8	355.9	359.0	362.0	362.0
15°	650.2	643.0	622.6	616.4	625.6	575.4	675.9	677.9	669.7	659.5	619.5
17.5°	863.6	860.5	866.6	838.9	623.6	836.9	813.3	810.2	763.0	637.9	619.5
20°	849.2	848.1	849.2	854.4	986.6	819.5	806.1	808.1	771.2	790.7	890.2
22.5°	1111.7	1110.7	1107.7	867.7	966.1	930.2	1005.0	1013.3	1018.4	1028.7	1086.1
25°	1154.8	1146.6	1127.1	1046.1	958.9	1079.9	987.7	997.9	1004.0	1044.0	1093.3
27.5°	1545.6	1523.0	1334.3	1136.4	1081.0	1065.6	1162.0	1230.7	1249.2	1264.6	1277.9
30°	1757.8	1707.6	1580.5	1424.6	1181.5	1151.7	1214.3	1226.6	1268.7	1302.5	1258.4
32.5°	2352.7	2258.4	1940.4	1569.2	1382.5	1305.6	1224.6	1246.1	1379.4	1402.0	1413.3
35°	2488.1	2407.1	2180.4	1900.4	1516.8	1400.9	1412.3	1436.8	1483.0	1433.8	1506.6
37.5°	2495.3	2472.7	2359.9	2091.2	1764.0	1581.5	1510.7	1557.9	1564.0	1521.9	1589.7
40°	2522.0	2532.2	2603.0	2306.5	1968.2	1815.3	1661.5	1717.8	1656.4	1705.6	1717.8
42.5°	2657.3	2687.1	2818.3	2574.3	2196.8	2034.8	1891.2	1939.4	1847.1	1912.7	1869.6
45°	3015.2	3035.8	3089.1	2781.4	2467.6	2247.1	2178.4	2207.1	2111.7	2175.3	2083.0
47.5°	3462.4	3434.8	3390.7	2975.3	2709.6	2482.0	2466.5	2410.2	2404.0	2419.4	2348.6
50°	3807.0	3767.0	3597.8	3168.1	2911.6	2715.7	2774.2	2667.5	2740.4	2677.9	2677.9
52.5°	3945.5	3903.4	3721.9	3296.3	3069.6	2952.6	3103.4	2971.2	3068.5	2939.3	3019.3
55°	3927.0	3905.5	3773.2	3365.0	3191.7	3189.6	3428.5	3324.0	3402.9	3250.1	3373.2
57.5°	3801.9	3800.9	3758.8	3429.6	3302.4	3404.0	3767.0	3718.8	3749.6	3671.7	3742.4
60°	3467.5	3475.8	3571.1	3432.7	3459.3	3625.4	4100.3	4147.6	4107.6	4089.0	4142.3
62.5°	2824.5	2840.9	3096.3	3226.5	3553.7	3941.3	4429.6	4560.8	4429.6	4533.1	4523.9
65°	1860.4	1924.1	2327.1	2799.9	3451.1	4375.2	5011.0	5124.9	4917.7	5046.9	5008.0
67.5°	979.5	1005.0	1288.1	1950.7	3035.8	4621.4	6196.6	6242.8	5967.0	6093.1	5952.6
70°	680.0	687.1	755.9	1038.9	2051.2	4366.0	7347.3	7582.2	7470.4	7547.3	7339.2
72.5°	537.5	547.7	616.4	765.1	1085.0	3266.5	7656.1	7965.8	8107.3	8329.9	8300.1
73°	516.9	523.0	590.8	745.6	1028.7	2856.3	7587.3	7870.5	8065.3	8289.9	8275.6
75°	379.5	403.0	502.6	686.1	935.4	1547.6	6619.2	6949.4	7275.6	7519.7	7559.7
77.5°	194.9	194.9	229.8	550.8	878.9	991.8	4451.1	4797.7	5294.2	5483.8	5567.9
80°	161.0	162.0	172.3	242.0	805.1	975.4	2384.5	2804.0	3173.2	3396.8	3499.3
82.5°	122.0	135.3	150.8	167.2	375.3	995.8	1179.5	1412.3	1611.2	1721.9	1805.1
85°	92.3	99.5	132.3	140.6	192.8	1192.8	977.4	988.7	994.8	995.8	1022.5
87.5°	53.3	57.4	102.6	115.9	136.4	998.9	1093.3	1027.7	966.1	924.0	866.6
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):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
5°	27.7	22.6	22.6	17.4	15.3	12.3	8.2	7.2	5.1	4.1	3.1
7.5°	357.9	349.7	282.0	228.7	148.7	55.3	44.1	41.0	38.0	33.9	28.7
10°	349.7	349.7	334.3	296.3	279.0	280.0	279.0	279.0	279.0	266.7	209.2
12.5°	336.3	301.6	310.8	405.1	425.6	438.9	518.9	529.2	688.1	692.2	696.4
15°	607.1	611.2	637.9	685.1	688.1	691.2	692.2	695.4	701.5	705.6	709.7
17.5°	624.6	662.6	684.0	683.0	686.1	690.2	697.4	704.6	709.7	717.9	724.0
20°	1042.0	1108.7	1057.4	997.9	1010.2	1017.4	1023.6	1030.7	1037.9	1045.0	1018.4
22.5°	1114.8	1125.0	1136.4	1143.6	1100.5	1096.4	1060.5	1046.1	1043.0	1003.0	1058.4
25°	1107.7	1119.9	1132.3	1095.4	1103.6	1234.8	1373.3	1386.6	1369.2	1379.4	1393.8
27.5°	1287.1	1300.5	1282.0	1300.5	1356.8	1369.2	1373.3	1360.9	1421.5	1415.4	1388.7
30°	1269.7	1274.8	1250.3	1323.0	1342.5	1356.8	1335.4	1435.8	1555.8	1575.3	1694.3
32.5°	1475.8	1448.2	1511.7	1540.5	1555.8	1531.3	1597.8	1613.3	1635.8	1670.7	1701.5
35°	1505.6	1489.2	1556.8	1567.2	1565.0	1581.5	1612.3	1603.0	1662.5	1693.3	1728.2
37.5°	1546.6	1609.2	1620.5	1627.6	1589.7	1654.3	1639.9	1697.4	1721.9	1749.7	1828.6
40°	1666.6	1730.2	1736.4	1716.8	1739.4	1757.8	1772.3	1796.8	1818.4	1864.5	1981.5
42.5°	1875.8	1906.6	1897.4	1844.1	1913.7	1873.7	1934.3	1949.6	1974.3	2080.9	2122.0
45°	2149.6	2143.5	2117.8	2094.3	2124.1	2116.8	2135.3	2147.6	2217.3	2322.0	2329.2
47.5°	2421.4	2412.2	2350.6	2397.8	2343.5	2391.7	2389.6	2398.9	2534.3	2551.6	2580.4
50°	2705.5	2692.2	2627.6	2684.0	2633.7	2674.7	2673.7	2726.1	2831.6	2829.6	2857.3
52.5°	3005.0	2970.1	2969.1	2946.5	2966.0	2946.5	2954.8	3081.9	3096.3	3112.7	3143.4
55°	3330.1	3239.9	3297.3	3207.1	3262.4	3241.9	3265.5	3386.5	3370.1	3368.1	3388.5
57.5°	3705.4	3598.8	3664.4	3601.9	3589.6	3551.7	3657.3	3685.0	3659.3	3662.4	3673.7
60°	4073.7	4036.8	4013.1	3999.8	3953.7	3921.9	4063.4	3986.5	3953.7	3952.7	4031.7
62.5°	4421.4	4433.7	4343.4	4349.6	4306.5	4312.7	4409.0	4315.7	4257.2	4221.3	4302.4
65°	4877.7	4939.3	4809.0	4785.5	4704.4	4808.0	4760.8	4666.5	4587.5	4621.4	4584.5
67.5°	5764.8	5736.2	5613.1	5507.5	5381.3	5502.4	5378.3	5246.9	5157.7	5238.7	5220.3
70°	7256.1	7120.8	6981.2	6805.9	6609.0	6601.8	6332.1	6165.9	5945.4	5938.2	5943.3
72.5°	8387.4	8288.9	8298.1	8142.2	8059.1	7869.4	7506.3	7146.3	7036.6	6853.1	6732.0
73°	8401.7	8348.4	8402.7	8264.2	8290.9	8004.8	7657.1	7337.1	7252.0	6973.0	6853.1
75°	7708.3	7719.7	7783.2	7813.0	8086.8	7924.8	7655.0	7393.5	7264.3	7055.1	6757.6
77.5°	5718.7	5886.9	5866.4	5913.6	6081.7	5920.7	5807.9	5744.4	5567.9	5524.9	5253.1
80°	3497.3	3575.2	3565.0	3684.0	3648.0	3464.4	3408.1	3184.4	3112.7	2887.1	2687.1
82.5°	1832.7	1842.9	1793.7	1776.4	1710.7	1587.6	1428.7	1265.6	1143.6	992.8	855.4
85°	1008.1	965.1	950.7	908.7	853.3	774.4	710.7	615.4	536.4	442.0	365.1
87.5°	855.4	832.8	829.7	796.9	746.7	682.0	603.0	529.2	436.9	343.6	272.8
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):

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	3.1	3.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	22.6	16.4	13.3	9.2	6.1	4.1	4.1	4.1	3.1	3.1	2.0
10°	131.2	59.5	38.0	32.8	27.7	22.6	16.4	14.3	12.3	9.2	9.2
12.5°	698.5	701.5	703.6	640.0	546.7	490.2	487.1	482.0	480.0	478.9	478.9
15°	714.8	717.9	722.0	710.7	664.6	648.1	589.7	514.9	505.6	502.6	496.4
17.5°	727.1	696.4	665.6	673.8	675.9	682.0	686.1	773.4	718.9	660.5	727.1
20°	1022.5	1076.9	1088.1	1097.4	1106.6	1117.9	1127.1	1141.5	1181.5	1151.7	1073.8
22.5°	1077.9	1089.1	1101.5	1116.9	1127.1	1146.6	1199.9	1176.4	1164.0	1168.1	1165.0
25°	1411.3	1430.7	1450.2	1471.7	1517.9	1577.4	1581.5	1589.7	1598.9	1601.9	1598.9
27.5°	1410.2	1429.7	1458.4	1530.2	1568.2	1579.4	1595.8	1608.2	1613.3	1612.3	1556.8
30°	1721.9	1766.1	1860.4	1893.3	1919.9	1946.6	1965.1	1977.4	2030.7	2003.0	2047.1
32.5°	1741.5	1837.8	1872.7	1905.6	1942.5	1970.2	1999.9	2048.2	2058.4	2083.0	2067.6
35°	1828.6	1873.7	1913.7	1956.8	1990.7	2028.6	2087.1	2117.8	2142.5	2128.1	2111.7
37.5°	1905.6	1936.3	1981.5	2031.7	2074.7	2161.0	2197.8	2241.0	2233.7	2226.6	2203.0
40°	1993.7	2039.9	2095.3	2153.7	2272.7	2300.4	2368.1	2383.5	2379.4	2361.0	2399.9
42.5°	2159.9	2211.2	2270.6	2393.7	2430.6	2532.2	2565.0	2574.3	2570.2	2612.2	2614.3
45°	2375.3	2427.6	2519.9	2593.7	2719.9	2780.4	2803.0	2827.5	2863.4	2916.8	2878.9
47.5°	2628.6	2683.0	2814.2	2902.4	2998.9	3065.5	3109.6	3157.8	3245.0	3223.4	3182.4
50°	2901.4	3016.3	3056.3	3218.3	3292.2	3367.0	3430.7	3567.0	3572.1	3551.7	3616.2
52.5°	3171.1	3281.9	3415.2	3502.4	3589.6	3653.2	3820.3	3909.6	3922.9	3940.3	3999.8
55°	3519.9	3546.5	3685.0	3782.4	3865.4	3973.1	4162.9	4197.8	4227.5	4354.7	4312.7
57.5°	3776.2	3900.3	3955.8	4041.9	4117.8	4349.6	4432.7	4468.6	4623.4	4625.5	4586.5
60°	4032.7	4153.7	4210.1	4277.8	4407.0	4610.0	4658.2	4732.1	4871.6	4855.1	4834.7
62.5°	4369.0	4399.8	4440.8	4509.6	4749.6	4832.6	4885.9	5075.7	5086.9	5083.9	5053.1
65°	4710.6	4711.6	4746.5	4869.6	5069.5	5128.0	5268.5	5389.5	5423.4	5418.3	5402.8
67.5°	5207.9	5211.0	5242.8	5501.3	5562.8	5611.1	5839.7	5879.7	5882.8	5893.1	5867.4
70°	5866.4	5826.4	5929.0	6111.5	6108.4	6222.3	6359.7	6381.3	6362.8	6341.3	6287.0
72.5°	6551.5	6438.7	6620.2	6590.5	6548.4	6743.3	6683.9	6611.0	6535.1	6417.2	6309.5
73°	6626.4	6493.1	6683.9	6623.3	6560.7	6742.3	6659.2	6579.2	6469.4	6344.3	6179.2
75°	6497.2	6365.9	6404.9	6281.7	6297.2	6306.4	6153.6	6005.8	5806.9	5678.7	5434.6
77.5°	5119.8	5048.0	4989.5	4937.3	4900.3	4715.7	4438.8	4313.7	4055.2	3895.2	3594.8
80°	2581.4	2542.4	2384.5	2335.3	2211.2	1927.1	1804.1	1646.1	1481.9	1335.4	1156.9
82.5°	755.9	670.7	605.1	571.2	529.2	474.9	430.8	408.2	375.3	365.1	342.6
85°	312.8	284.1	273.8	270.8	258.5	250.2	231.8	225.7	218.5	208.2	197.9
87.5°	228.7	203.1	187.7	176.4	168.2	162.0	152.8	146.7	139.5	134.3	130.2
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):

	82°	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	10.2	10.2	11.3	10.2	9.2	11.3	9.2	10.2	11.3	8.2	6.1
12.5°	478.9	477.9	480.0	482.0	480.0	482.0	483.0	486.1	500.5	560.0	472.8
15°	494.3	493.3	496.4	526.1	564.1	572.2	572.2	571.2	571.2	564.1	523.0
17.5°	803.0	895.4	819.5	909.7	968.1	864.6	953.8	975.4	892.3	877.9	544.6
20°	1062.5	1057.4	1050.2	1047.1	1043.0	1039.9	1052.3	1088.1	1093.3	1041.0	831.8
22.5°	1112.8	1095.4	1086.1	1085.0	1124.0	1155.8	1126.1	1115.8	1104.6	1037.9	798.9
25°	1566.1	1524.0	1563.0	1554.8	1537.4	1524.0	1505.6	1488.2	1525.0	1414.3	1077.9
27.5°	1579.4	1588.6	1572.3	1556.8	1539.4	1530.2	1564.0	1547.6	1524.0	1386.6	985.6
30°	2028.6	2009.2	1988.6	1966.1	1995.8	1982.5	1950.7	1919.9	1933.3	1749.7	1137.4
32.5°	2049.2	2026.6	2021.5	2040.9	2003.0	1972.2	1958.8	1963.0	1924.1	1694.3	1011.3
35°	2085.1	2109.6	2106.6	2072.7	2038.8	2065.5	2027.6	1986.6	1937.4	1667.6	888.1
37.5°	2237.8	2226.6	2188.6	2154.7	2178.4	2133.3	2080.9	2027.6	1973.3	1656.4	765.1
40°	2388.6	2351.7	2311.7	2339.4	2286.1	2231.7	2176.3	2111.7	2044.1	1672.7	649.2
42.5°	2571.2	2551.6	2577.3	2516.8	2447.1	2386.5	2311.7	2242.0	2164.1	1718.9	543.6
45°	2843.0	2883.0	2818.3	2752.7	2665.5	2592.7	2514.7	2430.6	2342.5	1814.3	451.2
47.5°	3227.5	3185.5	3123.0	3034.8	2964.0	2879.9	2791.6	2689.1	2581.4	1969.2	387.7
50°	3610.1	3538.3	3477.8	3378.3	3288.1	3196.8	3084.0	2988.6	2869.6	2161.0	355.9
52.5°	3949.6	3878.8	3802.9	3721.9	3629.6	3526.0	3424.4	3303.4	3184.4	2397.8	347.7
55°	4260.3	4192.7	4100.3	4026.5	3936.2	3831.7	3713.7	3604.0	3479.9	2658.3	360.0
57.5°	4541.4	4478.8	4393.7	4310.6	4209.0	4117.8	4001.9	3880.9	3746.5	2894.2	399.0
60°	4775.1	4715.7	4644.9	4558.8	4458.2	4366.0	4258.2	4146.5	4024.5	3151.6	509.7
62.5°	5012.0	4960.8	4911.6	4852.1	4753.7	4682.9	4582.4	4484.9	4389.6	3511.7	671.8
65°	5362.8	5347.5	5282.8	5244.9	5177.3	5125.9	5053.1	4941.4	4848.0	3935.2	770.2
67.5°	5835.6	5804.8	5759.7	5670.5	5604.8	5531.1	5435.7	5324.9	5198.7	4179.3	720.0
70°	6219.2	6149.5	6051.1	5949.5	5825.4	5693.1	5554.6	5413.1	5246.9	4038.8	582.6
72.5°	6157.7	6007.0	5815.2	5657.2	5481.8	5323.8	5122.8	4915.7	4727.0	3388.5	482.0
73°	6035.6	5875.6	5695.2	5466.4	5331.0	5135.2	4921.8	4764.9	4563.9	3187.5	461.6
75°	5234.6	5043.9	4895.1	4633.7	4441.9	4269.6	4070.6	3870.6	3687.0	2362.0	405.1
77.5°	3411.1	3240.9	2940.4	2829.6	2601.0	2473.7	2277.8	2189.6	1944.5	1171.3	340.5
80°	1027.7	1028.7	913.8	827.7	795.9	749.7	692.2	664.6	635.9	475.9	265.7
82.5°	339.5	326.1	312.8	308.7	309.7	313.8	315.9	313.8	324.1	272.8	172.3
85°	186.7	182.6	178.5	173.3	170.2	169.2	168.2	167.2	171.2	163.1	110.8
87.5°	125.1	122.0	120.0	119.0	119.0	116.9	119.0	116.9	120.0	107.7	80.0
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):

	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	2.0	169.2	305.7	310.8	315.9
10°	4.1	4.1	279.0	317.9	316.9	312.8	306.7	306.7
12.5°	220.5	223.6	296.3	287.1	272.8	265.7	262.6	259.5
15°	405.1	558.9	279.0	245.1	383.6	381.6	368.2	367.1
17.5°	507.7	508.7	433.8	308.7	301.6	281.0	271.8	272.8
20°	749.7	458.5	450.2	313.8	226.7	304.6	337.5	340.5
22.5°	683.0	564.1	349.7	263.6	253.3	302.6	328.2	332.3
25°	672.8	443.0	304.6	260.5	239.0	282.0	382.6	389.7
27.5°	632.8	359.0	267.7	234.9	274.9	307.7	334.3	336.3
30°	508.7	276.9	221.6	229.8	246.1	262.6	310.8	315.9
32.5°	456.4	222.6	199.0	203.1	228.7	258.5	287.1	291.2
35°	345.7	213.3	184.6	188.7	211.2	237.9	295.3	301.6
37.5°	272.8	201.0	179.5	183.6	205.1	230.8	257.4	262.6
40°	237.9	194.9	178.5	174.3	191.8	204.1	225.7	228.7
42.5°	226.7	190.8	174.3	165.1	173.3	181.6	234.9	239.0
45°	223.6	189.8	169.2	151.8	156.9	163.1	283.1	295.3
47.5°	225.7	188.7	159.0	138.4	143.6	163.1	320.0	329.2
50°	229.8	187.7	147.7	130.2	148.7	186.7	311.8	312.8
52.5°	236.9	186.7	137.4	140.6	168.2	172.3	236.9	234.9
55°	243.1	180.6	141.6	141.6	135.3	133.3	164.1	162.0
57.5°	233.8	169.2	140.6	120.0	113.9	115.9	140.6	141.6
60°	220.5	163.1	127.2	111.8	107.7	111.8	147.7	148.7
62.5°	222.6	161.0	119.0	106.7	101.6	106.7	125.1	127.2
65°	255.3	167.2	115.9	97.4	96.4	99.5	98.4	98.4
67.5°	296.3	184.6	112.8	94.3	91.2	90.2	89.2	90.2
70°	324.1	194.9	110.8	91.2	85.1	83.1	82.0	83.1
72.5°	305.7	180.6	104.6	86.1	77.9	75.9	73.9	73.9
73°	297.5	176.4	102.6	83.1	76.9	73.9	72.8	73.9
75°	263.6	153.9	91.2	75.9	70.8	68.7	66.7	66.7
77.5°	210.2	122.0	76.9	66.7	62.6	61.6	59.5	59.5
80°	157.9	96.4	62.6	59.5	56.4	55.3	52.3	50.2
82.5°	114.9	80.0	51.2	54.3	50.2	47.2	45.1	41.0
85°	83.1	68.7	45.1	52.3	46.1	42.0	35.9	29.8
87.5°	59.5	59.5	42.0	55.3	41.0	31.8	20.6	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)