

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: P239568

Luminaire Tested: **UTLD-AF24-100-D-U-SL3**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P239568
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-AF24-100-D-U-SL3
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 4000K, 1200mA 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: 8656.2 lumens
Efficiency: N/A
Efficacy: 90.2 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): 96
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

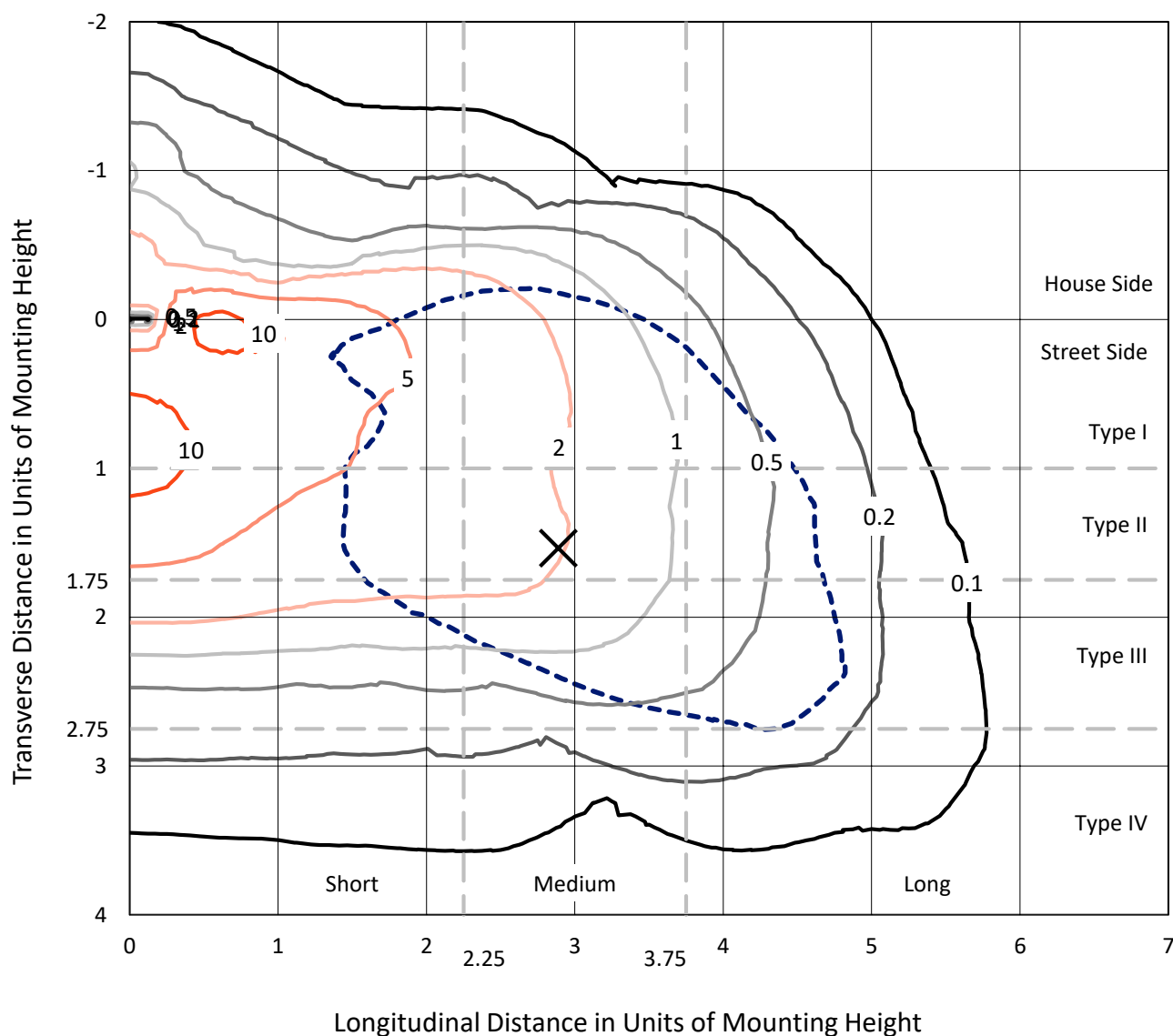


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

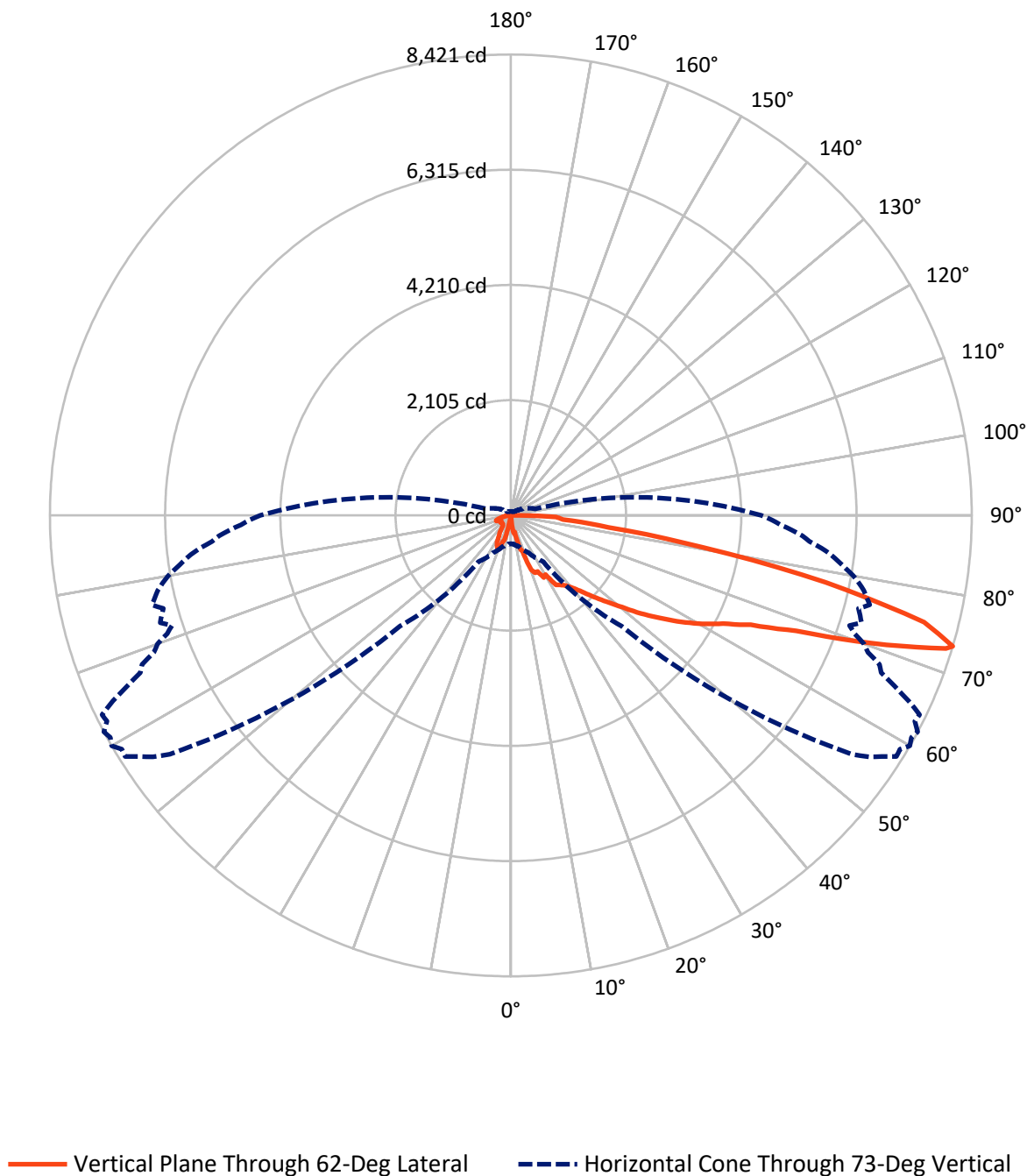


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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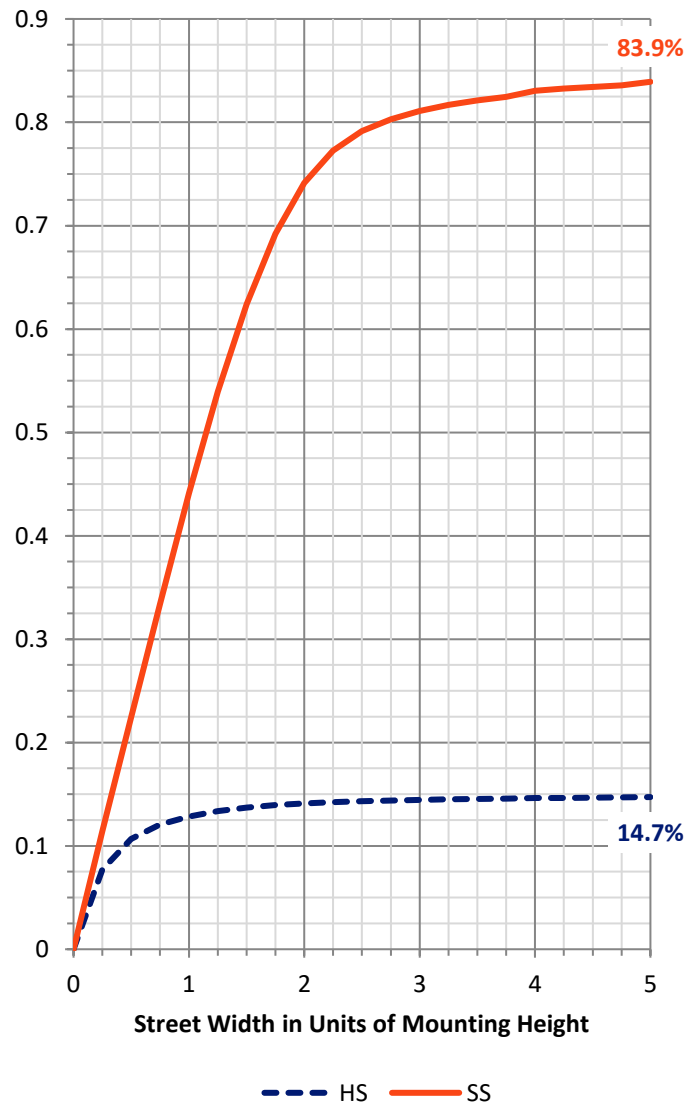
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.9	0.0	1294.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	7361.3	0.0	7361.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	8656.2	0.0	8656.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	151.7	1.8
20°-30°	404.6	4.7
30°-40°	730.4	8.4
40°-50°	1181.0	13.6
50°-60°	1811.6	20.9
60°-70°	2236.7	25.8
70°-80°	1803.5	20.8
80°-90°	322.9	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°	8656.2	100.0
0°-180°	8656.2	100.0

Coefficient of Utilization



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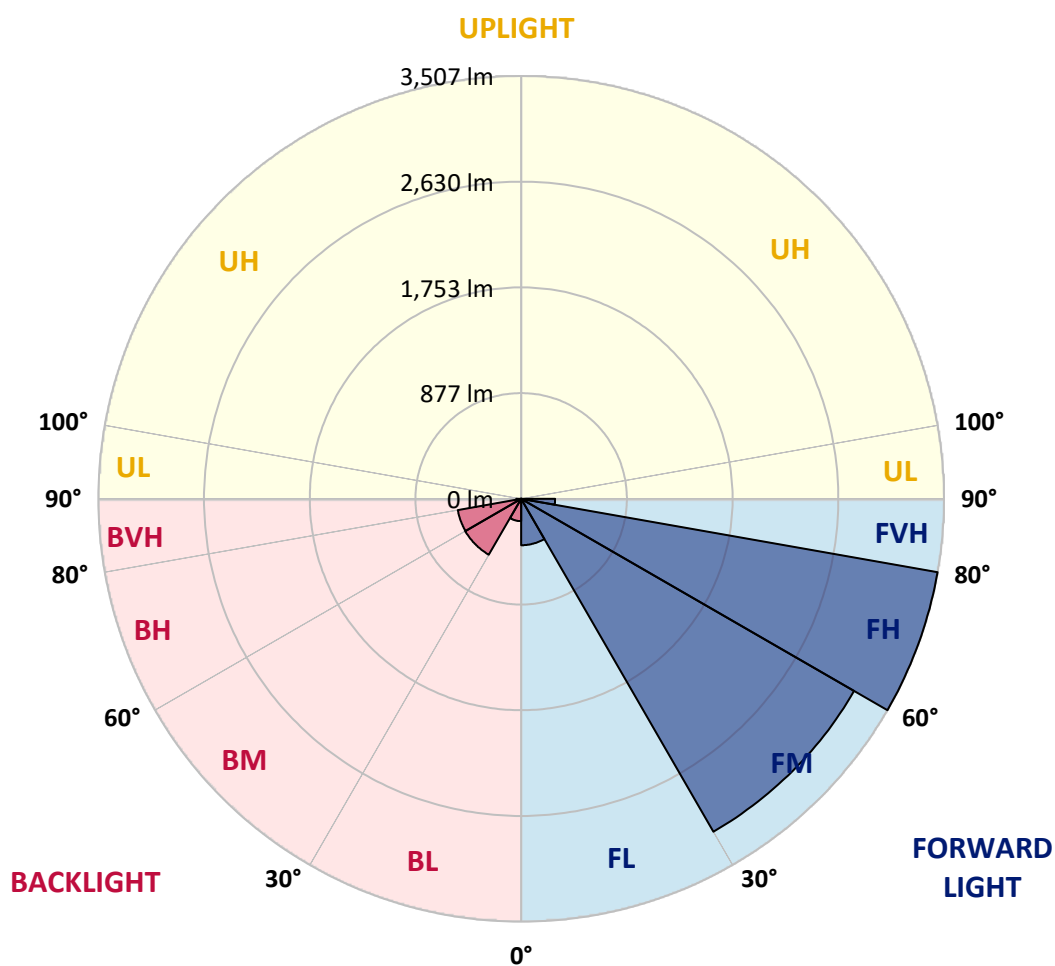
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.0	4.4			
FM	(30°-60°)	3187.8	36.8			
FH	(60°-80°)	3506.6	40.5			G2/5000
FVH	(80°-90°)	281.8	3.3			G3/500
BL	(0°-30°)	185.0	2.1	B1/500		
BM	(30°-60°)	535.2	6.2	B1/1000		
BH	(60°-80°)	533.6	6.2	B2/1000		G2/1000
BVH	(80°-90°)	41.0	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°	36.0	28.7	26.7	20.6	13.4	5.1	2.0	2.0	2.0	2.0	2.0
5°	358.6	358.6	358.6	361.8	361.8	331.9	41.1	40.1	39.1	36.0	30.8
7.5°	344.3	343.3	344.3	346.4	348.4	351.5	357.6	357.6	356.6	356.6	358.6
10°	647.5	649.6	525.2	376.1	345.3	345.3	350.5	351.5	350.5	350.5	350.5
12.5°	630.0	628.0	630.0	634.1	645.5	364.9	352.5	356.6	359.8	362.8	362.8
15°	651.6	644.5	623.9	617.7	627.0	576.6	677.3	679.3	671.2	660.8	620.8
17.5°	865.4	862.3	868.5	840.8	624.9	838.7	815.0	811.9	764.7	639.2	620.8
20°	851.0	850.0	851.0	856.1	988.7	821.2	807.8	809.9	772.9	792.4	892.1
22.5°	1114.1	1113.1	1110.0	869.5	968.2	932.2	1007.2	1015.5	1020.6	1030.8	1088.4
25°	1157.3	1149.1	1129.5	1048.3	961.0	1082.3	989.7	1000.0	1006.2	1046.3	1095.6
27.5°	1548.8	1526.2	1337.1	1138.7	1083.3	1067.9	1164.5	1233.4	1251.9	1267.2	1280.6
30°	1761.6	1711.3	1583.8	1427.6	1184.0	1154.2	1216.9	1229.2	1271.3	1305.3	1261.1
32.5°	2357.7	2263.2	1944.5	1572.5	1385.5	1308.4	1227.1	1248.7	1382.4	1405.0	1416.3
35°	2493.4	2412.2	2185.0	1904.5	1520.1	1404.0	1415.3	1439.9	1486.1	1436.8	1509.8
37.5°	2500.6	2478.0	2365.0	2095.6	1767.8	1584.9	1514.0	1561.2	1567.4	1525.2	1593.0
40°	2527.3	2537.6	2608.5	2311.5	1972.4	1819.2	1665.1	1721.5	1659.8	1709.2	1721.5
42.5°	2662.9	2692.8	2824.4	2579.8	2201.5	2039.2	1895.2	1943.5	1851.0	1916.8	1873.6
45°	3021.7	3042.3	3095.7	2787.3	2472.9	2251.9	2183.0	2211.8	2116.2	2179.9	2087.4
47.5°	3469.7	3442.0	3397.8	2981.6	2715.4	2487.2	2471.9	2415.3	2409.2	2424.5	2353.6
50°	3815.1	3775.1	3605.5	3174.8	2917.9	2721.6	2780.2	2673.3	2746.2	2683.5	2683.5
52.5°	3953.9	3911.8	3729.8	3303.3	3076.1	2959.0	3110.1	2977.5	3075.1	2945.6	3025.8
55°	3935.4	3913.8	3781.2	3372.2	3198.5	3196.4	3435.9	3331.0	3410.2	3257.1	3380.3
57.5°	3810.0	3809.0	3766.8	3436.9	3309.5	3411.2	3775.1	3726.7	3757.6	3679.5	3750.3
60°	3475.0	3483.1	3578.7	3440.0	3466.7	3633.2	4109.1	4156.4	4116.3	4097.7	4151.2
62.5°	2830.5	2847.0	3102.9	3233.4	3561.3	3949.8	4439.0	4570.5	4439.0	4542.8	4533.5
65°	1864.4	1928.2	2332.0	2805.9	3458.5	4384.6	5021.8	5135.8	4928.3	5057.7	5018.7
67.5°	981.5	1007.2	1290.9	1954.9	3042.3	4631.2	6209.8	6256.2	5979.7	6106.1	5965.2
70°	681.4	688.7	757.5	1041.2	2055.5	4375.3	7363.0	7598.4	7486.4	7563.5	7354.8
72.5°	538.6	548.8	617.7	766.7	1087.4	3273.4	7672.4	7982.8	8124.6	8347.7	8317.8
73°	518.0	524.2	592.0	747.2	1030.8	2862.4	7603.5	7887.3	8082.4	8307.6	8293.2
75°	380.2	404.0	503.6	687.6	937.3	1550.9	6633.3	6964.2	7291.1	7535.7	7575.8
77.5°	195.3	195.3	230.3	551.9	880.8	993.9	4460.6	4808.0	5305.4	5495.6	5579.8
80°	161.3	162.3	172.7	242.5	806.8	977.4	2389.6	2809.9	3179.9	3404.0	3506.8
82.5°	122.3	135.6	151.1	167.6	376.1	998.0	1181.9	1415.3	1614.6	1725.6	1808.9
85°	92.5	99.7	132.6	140.8	193.2	1195.3	979.5	990.8	997.0	998.0	1024.7
87.5°	53.4	57.6	102.8	116.1	136.7	1001.1	1095.6	1029.8	968.2	926.1	868.5
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	17.5	15.4	12.4	8.2	7.2	5.1	4.1	3.1
7.5°	358.6	350.5	282.6	229.2	149.0	55.5	44.2	41.1	38.1	34.0	28.7
10°	350.5	350.5	335.0	297.1	279.6	280.6	279.6	279.6	279.6	267.2	209.7
12.5°	337.1	302.2	311.4	406.0	426.6	439.9	520.1	530.3	689.7	693.8	697.9
15°	608.5	612.5	639.2	686.6	689.7	692.7	693.8	696.8	703.0	707.2	711.3
17.5°	625.9	664.0	685.6	684.5	687.6	691.7	698.9	706.0	711.3	719.4	725.6
20°	1044.2	1111.0	1059.7	1000.0	1012.4	1019.6	1025.7	1032.9	1040.1	1047.3	1020.6
22.5°	1117.2	1127.5	1138.7	1146.0	1102.8	1098.8	1062.7	1048.3	1045.3	1005.2	1060.7
25°	1110.0	1122.4	1134.7	1097.6	1105.9	1237.5	1376.2	1389.6	1372.1	1382.4	1396.7
27.5°	1289.8	1303.2	1284.7	1303.2	1359.7	1372.1	1376.2	1363.9	1424.5	1418.3	1391.6
30°	1272.3	1277.6	1252.9	1325.8	1345.4	1359.7	1338.2	1438.9	1559.2	1578.7	1697.9
32.5°	1479.0	1451.3	1515.0	1543.7	1559.2	1534.5	1601.3	1616.7	1639.3	1674.3	1705.1
35°	1508.8	1492.4	1560.2	1570.4	1568.4	1584.9	1615.6	1606.4	1666.1	1696.9	1731.9
37.5°	1549.9	1612.6	1623.9	1631.1	1593.0	1657.8	1643.5	1701.0	1725.6	1753.4	1832.5
40°	1670.2	1733.9	1740.0	1720.5	1743.1	1761.6	1776.0	1800.7	1822.3	1868.5	1985.6
42.5°	1879.8	1910.7	1901.4	1848.0	1917.8	1877.7	1938.4	1953.8	1978.5	2085.4	2126.5
45°	2154.2	2148.1	2122.4	2098.7	2128.6	2121.4	2139.8	2152.2	2222.1	2326.9	2334.1
47.5°	2426.6	2417.3	2355.7	2402.9	2348.5	2396.8	2394.7	2403.9	2539.7	2557.2	2585.9
50°	2711.3	2697.9	2633.2	2689.7	2639.3	2680.4	2679.4	2731.9	2837.7	2835.6	2863.4
52.5°	3011.4	2976.5	2975.5	2952.8	2972.4	2952.8	2961.0	3088.5	3102.9	3119.3	3150.2
55°	3337.2	3246.7	3304.3	3213.9	3269.4	3248.8	3272.4	3393.7	3377.3	3375.2	3395.8
57.5°	3713.4	3606.5	3672.3	3609.6	3597.2	3559.3	3665.0	3692.9	3667.2	3670.2	3681.5
60°	4082.4	4045.4	4021.7	4008.3	3962.1	3930.3	4072.1	3995.0	3962.1	3961.1	4040.2
62.5°	4430.8	4443.1	4352.7	4358.8	4315.6	4321.9	4418.4	4324.9	4266.3	4230.3	4311.5
65°	4888.2	4949.9	4819.3	4795.6	4714.5	4818.2	4770.9	4676.4	4597.2	4631.2	4594.2
67.5°	5777.2	5748.4	5625.1	5519.2	5392.8	5514.0	5389.7	5258.2	5168.8	5249.9	5231.4
70°	7271.5	7135.9	6996.2	6820.3	6623.0	6615.8	6345.6	6179.0	5958.1	5950.9	5956.0
72.5°	8405.2	8306.6	8315.8	8159.6	8076.3	7886.1	7522.4	7161.6	7051.6	6867.7	6746.4
73°	8419.6	8366.2	8420.6	8281.9	8308.6	8021.9	7673.5	7352.8	7267.5	6987.9	6867.7
75°	7724.8	7736.2	7799.9	7829.7	8104.0	7941.7	7671.4	7409.3	7279.8	7070.1	6772.0
77.5°	5730.9	5899.5	5878.9	5926.2	6094.7	5933.4	5820.4	5756.7	5579.8	5536.6	5264.3
80°	3504.7	3582.9	3572.6	3691.8	3655.8	3471.9	3415.3	3191.3	3119.3	2893.2	2692.8
82.5°	1836.6	1846.9	1797.6	1780.1	1714.4	1591.0	1431.7	1268.3	1146.0	994.9	857.1
85°	1010.3	967.1	952.8	910.6	855.1	776.0	712.3	616.6	537.6	442.9	365.9
87.5°	857.1	834.5	831.5	798.6	748.2	683.4	604.4	530.3	437.8	344.3	273.4
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):

	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	16.5	13.4	9.2	6.1	4.1	4.1	4.1	3.1	3.1	2.0
10°	131.6	59.6	38.1	32.9	27.7	22.6	16.5	14.4	12.4	9.2	9.2
12.5°	699.9	703.0	705.0	641.3	547.8	491.3	488.2	483.0	481.0	480.0	480.0
15°	716.4	719.4	723.5	712.3	666.0	649.6	591.0	516.0	506.7	503.6	497.5
17.5°	728.6	697.9	667.1	675.2	677.3	683.4	687.6	775.0	720.5	661.8	728.6
20°	1024.7	1079.2	1090.5	1099.8	1109.0	1120.2	1129.5	1144.0	1184.0	1154.2	1076.0
22.5°	1080.2	1091.5	1103.9	1119.2	1129.5	1149.1	1202.5	1178.8	1166.6	1170.7	1167.6
25°	1414.2	1433.8	1453.3	1474.9	1521.1	1580.8	1584.9	1593.0	1602.4	1605.4	1602.4
27.5°	1413.2	1432.7	1461.5	1533.4	1571.5	1582.8	1599.3	1611.6	1616.7	1615.6	1560.2
30°	1725.6	1769.8	1864.4	1897.3	1924.0	1950.8	1969.3	1981.6	2035.1	2007.2	2051.4
32.5°	1745.2	1841.8	1876.7	1909.6	1946.6	1974.4	2004.2	2052.4	2062.8	2087.4	2072.0
35°	1832.5	1877.7	1917.8	1961.0	1995.0	2032.9	2091.5	2122.4	2147.1	2132.6	2116.2
37.5°	1909.6	1940.4	1985.6	2036.1	2079.2	2165.6	2202.5	2245.7	2238.5	2231.4	2207.6
40°	1998.0	2044.3	2099.8	2158.3	2277.6	2305.3	2373.1	2388.6	2384.5	2366.0	2405.1
42.5°	2164.5	2215.9	2275.6	2398.8	2435.9	2537.6	2570.5	2579.8	2575.6	2617.7	2619.8
45°	2380.3	2432.8	2525.3	2599.2	2725.7	2786.3	2808.9	2833.6	2869.6	2923.0	2885.0
47.5°	2634.2	2688.7	2820.3	2908.7	3005.2	3072.0	3116.2	3164.5	3251.9	3230.3	3189.3
50°	2907.6	3022.7	3062.8	3225.2	3299.2	3374.2	3437.9	3574.6	3579.8	3559.3	3624.0
52.5°	3177.9	3288.9	3422.5	3509.8	3597.2	3660.9	3828.5	3917.9	3931.3	3948.7	4008.3
55°	3527.3	3554.0	3692.9	3790.4	3873.7	3981.6	4171.8	4206.7	4236.6	4364.0	4321.9
57.5°	3784.3	3908.7	3964.1	4050.5	4126.6	4358.8	4442.1	4478.1	4633.3	4635.3	4596.2
60°	4041.3	4162.5	4219.1	4286.9	4416.4	4619.9	4668.2	4742.2	4881.9	4865.6	4845.0
62.5°	4378.3	4409.2	4450.3	4519.2	4759.7	4843.0	4896.4	5086.5	5097.8	5094.7	5063.9
65°	4720.6	4721.6	4756.6	4879.9	5080.4	5138.9	5279.8	5401.0	5434.9	5429.8	5414.4
67.5°	5219.1	5222.2	5254.0	5513.0	5574.7	5623.0	5852.2	5892.3	5895.4	5905.6	5879.9
70°	5878.9	5838.8	5941.6	6124.6	6121.4	6235.6	6373.3	6394.9	6376.4	6354.8	6300.4
72.5°	6565.5	6452.5	6634.3	6604.6	6562.4	6757.7	6698.1	6625.1	6549.0	6430.9	6323.0
73°	6640.5	6506.9	6698.1	6637.4	6574.7	6756.7	6673.4	6593.2	6483.3	6357.8	6192.4
75°	6511.0	6379.4	6418.5	6295.1	6310.6	6319.8	6166.7	6018.7	5819.3	5690.9	5446.2
77.5°	5130.7	5058.8	5000.2	4947.7	4910.8	4725.7	4448.2	4322.9	4063.9	3903.5	3602.4
80°	2586.9	2547.9	2389.6	2340.3	2215.9	1931.2	1807.9	1649.6	1485.1	1338.2	1159.3
82.5°	757.5	672.2	606.4	572.4	530.3	475.9	431.7	409.1	376.1	365.9	343.3
85°	313.4	284.7	274.5	271.3	259.0	250.8	232.3	226.1	218.9	208.7	198.4
87.5°	229.2	203.5	188.1	176.8	168.6	162.3	153.1	147.0	139.7	134.6	130.5
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	11.4	10.2	9.2	11.4	9.2	10.2	11.4	8.2	6.1
12.5°	480.0	478.9	481.0	483.0	481.0	483.0	484.1	487.1	501.6	561.2	473.8
15°	495.4	494.4	497.5	527.2	565.3	573.5	573.5	572.4	572.4	565.3	524.2
17.5°	804.8	897.2	821.2	911.7	970.3	866.4	955.8	977.4	894.2	879.7	545.7
20°	1064.8	1059.7	1052.4	1049.3	1045.3	1042.2	1054.5	1090.5	1095.6	1043.2	833.5
22.5°	1115.1	1097.6	1088.4	1087.4	1126.5	1158.3	1128.5	1118.2	1106.9	1040.1	800.7
25°	1569.4	1527.3	1566.3	1558.2	1540.7	1527.3	1508.8	1491.4	1528.3	1417.3	1080.2
27.5°	1582.8	1592.0	1575.5	1560.2	1542.7	1533.4	1567.4	1550.9	1527.3	1389.6	987.7
30°	2032.9	2013.5	1992.9	1970.3	2000.1	1986.7	1954.9	1924.0	1937.4	1753.4	1139.8
32.5°	2053.5	2030.9	2025.7	2045.3	2007.2	1976.4	1963.0	1967.1	1928.2	1697.9	1013.4
35°	2089.5	2114.1	2111.1	2077.1	2043.2	2069.9	2031.9	1990.9	1941.5	1671.2	890.1
37.5°	2242.6	2231.4	2193.3	2159.3	2183.0	2137.8	2085.4	2031.9	1977.5	1659.8	766.7
40°	2393.7	2356.7	2316.6	2344.4	2290.9	2236.5	2180.9	2116.2	2048.4	1676.3	650.6
42.5°	2576.6	2557.2	2582.8	2522.2	2452.3	2391.7	2316.6	2246.7	2168.7	1722.5	544.7
45°	2849.0	2889.1	2824.4	2758.6	2671.2	2598.2	2520.1	2435.9	2347.5	1818.2	452.2
47.5°	3234.5	3192.3	3129.6	3041.2	2970.3	2886.1	2797.7	2694.9	2586.9	1973.4	388.5
50°	3617.8	3545.9	3485.2	3385.6	3295.0	3203.6	3090.5	2995.0	2875.7	2165.6	356.6
52.5°	3958.0	3887.1	3811.0	3729.8	3637.3	3533.5	3431.8	3310.5	3191.3	2402.9	348.4
55°	4269.4	4201.6	4109.1	4035.0	3944.6	3839.7	3721.6	3611.6	3487.2	2664.0	360.8
57.5°	4551.0	4488.3	4403.0	4319.8	4218.0	4126.6	4010.4	3889.2	3754.5	2900.4	399.8
60°	4785.4	4725.7	4654.8	4568.5	4467.7	4375.3	4267.3	4155.3	4033.0	3158.4	510.8
62.5°	5022.8	4971.4	4922.0	4862.4	4763.8	4692.9	4592.1	4494.5	4398.9	3519.2	673.2
65°	5374.3	5358.8	5294.1	5256.1	5188.2	5136.8	5063.9	4951.9	4858.3	3943.6	771.8
67.5°	5848.1	5817.2	5772.0	5682.6	5616.8	5542.9	5447.2	5336.2	5209.8	4188.3	721.5
70°	6232.4	6162.6	6064.0	5962.2	5837.8	5705.2	5566.5	5424.6	5258.2	4047.4	583.8
72.5°	6170.8	6019.8	5827.5	5669.3	5493.6	5335.2	5133.8	4926.1	4737.1	3395.8	483.0
73°	6048.5	5888.2	5707.2	5478.1	5342.5	5146.2	4932.4	4775.0	4573.6	3194.4	462.5
75°	5245.8	5054.6	4905.6	4643.5	4451.4	4278.7	4079.2	3878.8	3694.9	2367.0	406.0
77.5°	3418.4	3247.8	2946.6	2835.6	2606.5	2479.0	2282.7	2194.3	1948.7	1173.7	341.3
80°	1029.8	1030.8	915.7	829.4	797.6	751.4	693.8	666.0	637.2	476.9	266.2
82.5°	340.2	326.8	313.4	309.3	310.4	314.5	316.6	314.5	324.8	273.4	172.7
85°	187.1	182.9	178.8	173.7	170.6	169.6	168.6	167.6	171.7	163.5	111.0
87.5°	125.4	122.3	120.3	119.2	119.2	117.1	119.2	117.1	120.3	107.9	80.2
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):

	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	169.6	306.3	311.4	316.6
10°	4.1	4.1	279.6	318.6	317.6	313.4	307.3	307.3
12.5°	221.0	224.0	297.1	287.8	273.4	266.2	263.1	260.0
15°	406.0	560.2	279.6	245.6	384.4	382.4	369.0	368.0
17.5°	508.7	509.7	434.8	309.3	302.2	281.6	272.4	273.4
20°	751.4	459.4	451.2	314.5	227.1	305.2	338.2	341.3
22.5°	684.5	565.3	350.5	264.1	253.9	303.2	328.9	333.0
25°	674.2	444.0	305.2	261.1	239.5	282.6	383.4	390.6
27.5°	634.1	359.8	268.2	235.4	275.5	308.3	335.0	337.1
30°	509.7	277.5	222.0	230.3	246.6	263.1	311.4	316.6
32.5°	457.4	223.0	199.4	203.5	229.2	259.0	287.8	291.8
35°	346.4	213.8	185.1	189.1	211.8	238.4	296.0	302.2
37.5°	273.4	201.4	179.8	183.9	205.5	231.3	258.0	263.1
40°	238.4	195.3	178.8	174.7	192.2	204.5	226.1	229.2
42.5°	227.1	191.2	174.7	165.5	173.7	181.9	235.4	239.5
45°	224.0	190.2	169.6	152.1	157.2	163.5	283.7	296.0
47.5°	226.1	189.1	159.3	138.7	143.9	163.5	320.7	329.9
50°	230.3	188.1	148.0	130.5	149.0	187.1	312.4	313.4
52.5°	237.4	187.1	137.7	140.8	168.6	172.7	237.4	235.4
55°	243.6	180.9	141.9	141.9	135.6	133.6	164.5	162.3
57.5°	234.4	169.6	140.8	120.3	114.1	116.1	140.8	141.9
60°	221.0	163.5	127.5	112.0	107.9	112.0	148.0	149.0
62.5°	223.0	161.3	119.2	106.9	101.8	106.9	125.4	127.5
65°	255.9	167.6	116.1	97.6	96.6	99.7	98.7	98.7
67.5°	297.1	185.1	113.0	94.5	91.5	90.4	89.4	90.4
70°	324.8	195.3	111.0	91.5	85.3	83.3	82.2	83.3
72.5°	306.3	180.9	104.9	86.3	78.2	76.0	74.0	74.0
73°	298.1	176.8	102.8	83.3	77.1	74.0	72.9	74.0
75°	264.1	154.2	91.5	76.0	70.9	68.8	66.8	66.8
77.5°	210.7	122.3	77.1	66.8	62.7	61.7	59.6	59.6
80°	158.3	96.6	62.7	59.6	56.6	55.5	52.4	50.3
82.5°	115.1	80.2	51.4	54.5	50.3	47.3	45.2	41.1
85°	83.3	68.8	45.2	52.4	46.2	42.1	36.0	29.8
87.5°	59.6	59.6	42.1	55.5	41.1	31.8	20.6	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)