

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: P165082

Luminaire Tested: **VST-F08-LED-E-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165082
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F08-LED-E-U-SL2-HSS
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (56) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11964.6 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 204.4
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

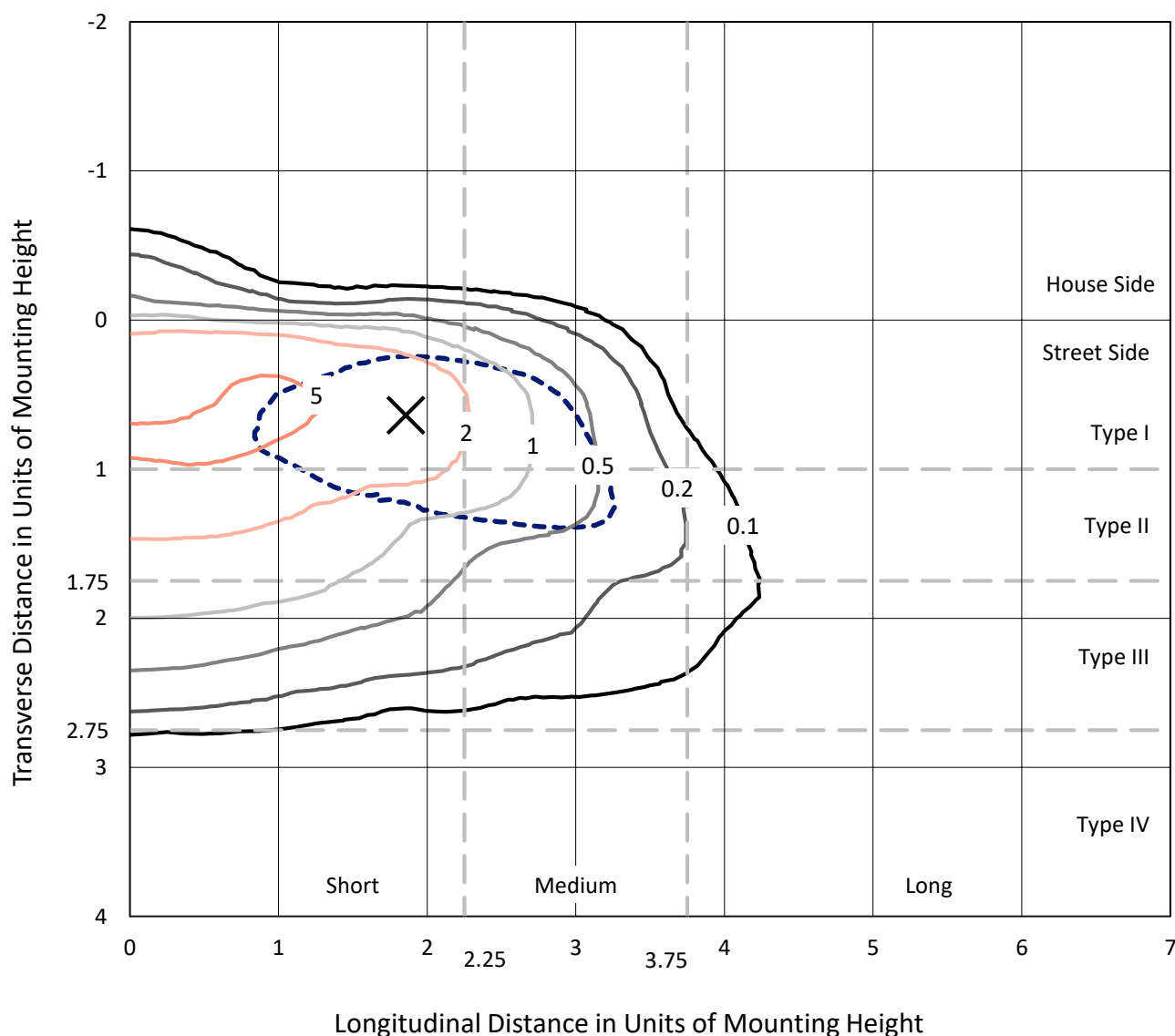


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

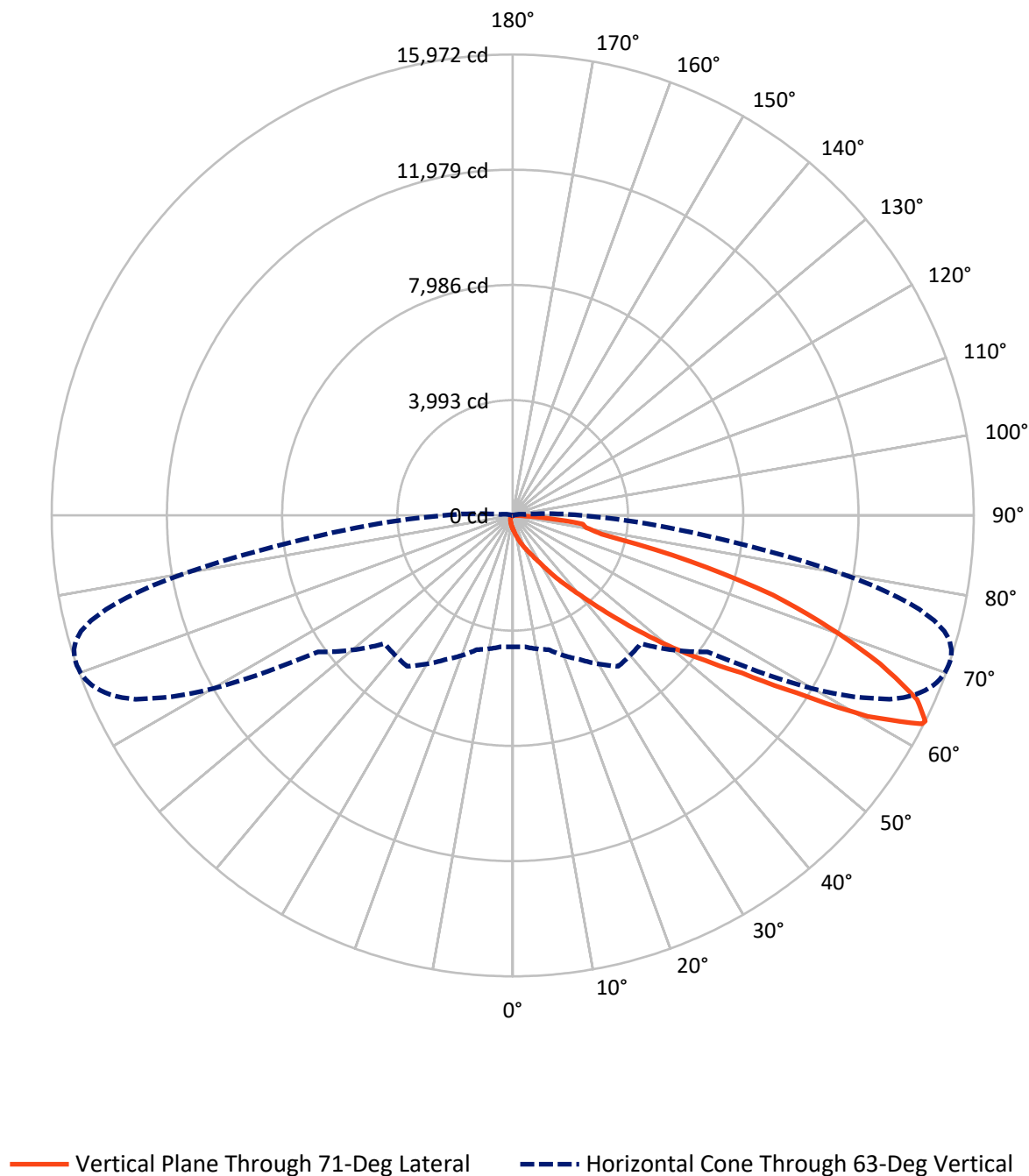


Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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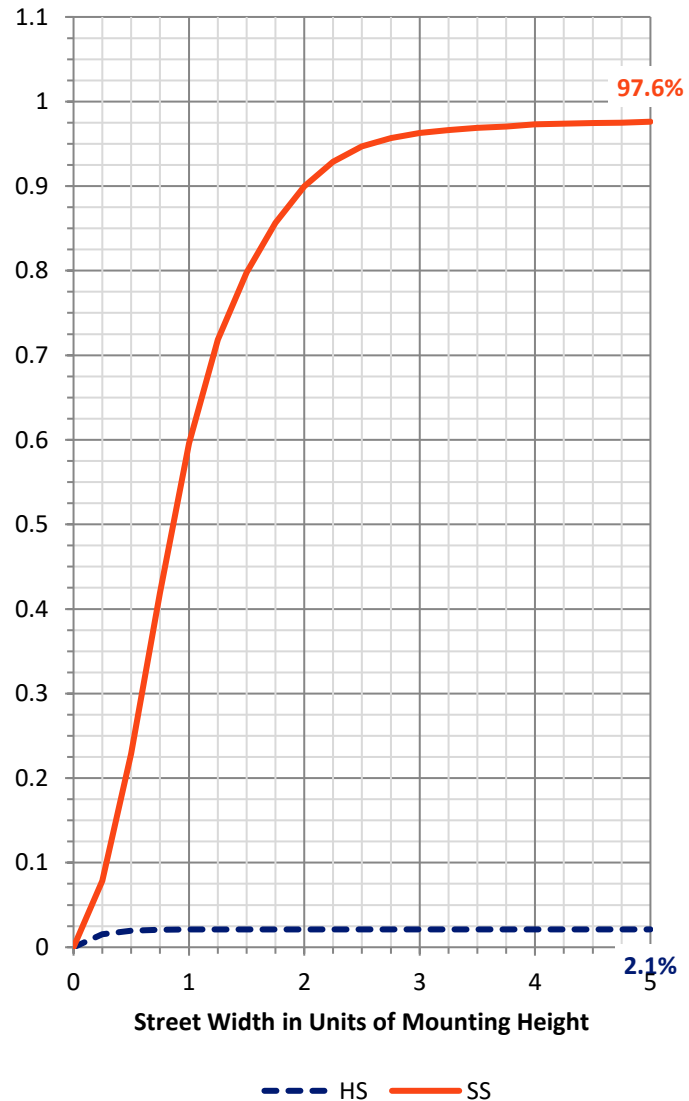
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.0	0.0	254.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	11710.6	0.0	11710.6
	% Fixture	97.9	0.0	97.9
Total	Lumens	11964.6	0.0	11964.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	0.4
10°-20°	196.7	1.6
20°-30°	399.6	3.3
30°-40°	976.3	8.2
40°-50°	2183.3	18.2
50°-60°	3070.0	25.7
60°-70°	3610.1	30.2
70°-80°	1303.6	10.9
80°-90°	174.3	1.5
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°	11964.6	100.0
0°-180°	11964.6	100.0

Coefficient of Utilization



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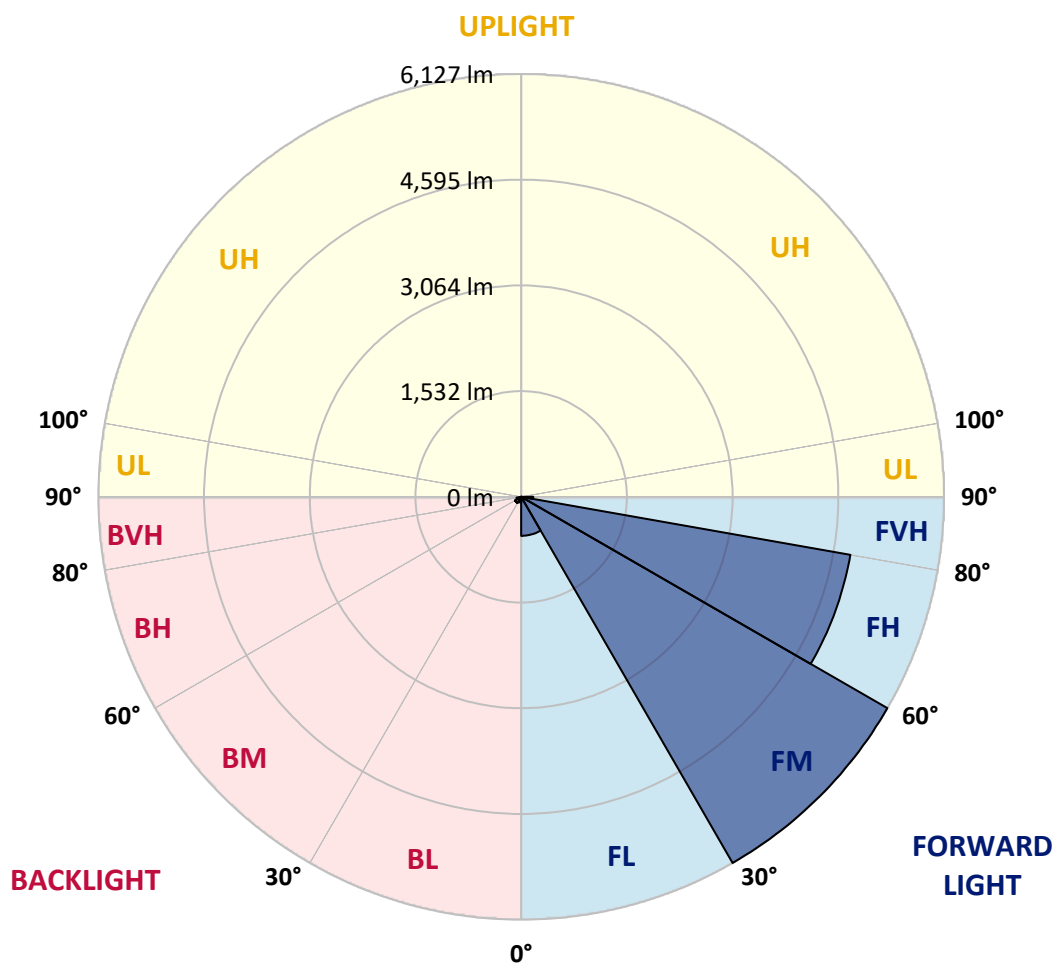
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.4	4.7			
FM	(30°-60°)	6127.3	51.2			
FH	(60°-80°)	4844.0	40.5			G2/5000
FVH	(80°-90°)	173.9	1.5			G2/225
BL	(0°-30°)	81.7	0.7	B0/110		
BM	(30°-60°)	102.3	0.9	B0/220		
BH	(60°-80°)	69.6	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0
2.5°	600.3	606.8	602.4	591.6	578.5	561.2	545.9	545.9	543.8	537.2	539.4
5°	787.4	789.6	780.9	754.7	730.8	693.8	652.5	648.1	643.8	637.3	635.2
7.5°	970.2	978.7	970.2	941.8	893.9	837.4	772.2	765.7	752.6	752.6	743.9
10°	1157.2	1157.2	1148.5	1115.8	1072.3	991.8	909.1	898.3	883.1	878.8	865.7
12.5°	1289.8	1289.8	1285.4	1268.1	1233.3	1161.5	1061.4	1050.6	1031.0	1024.4	1009.3
15°	1342.0	1342.0	1344.2	1359.4	1361.7	1329.0	1224.6	1215.8	1196.3	1178.8	1172.4
17.5°	1374.6	1372.5	1372.5	1394.3	1433.4	1455.2	1387.7	1379.0	1357.3	1348.6	1326.8
20°	1446.5	1442.1	1429.0	1429.0	1466.0	1542.1	1542.1	1540.0	1516.1	1509.5	1498.6
22.5°	1553.0	1548.7	1509.5	1476.8	1494.3	1590.0	1679.2	1674.8	1666.1	1657.4	1650.9
25°	1727.0	1711.8	1644.3	1548.7	1533.5	1635.7	1783.5	1794.5	1801.0	1801.0	1805.3
27.5°	1990.2	1970.7	1851.0	1672.7	1605.2	1709.6	1898.8	1920.6	1940.2	1944.5	1964.1
30°	2355.6	2320.8	2149.0	1888.0	1733.6	1818.4	2068.6	2092.5	2120.7	2129.5	2159.8
32.5°	2955.9	2936.4	2771.1	2379.5	2048.9	2031.6	2305.7	2336.0	2373.0	2388.2	2425.2
35°	3869.5	3873.9	3739.0	3386.6	2929.9	2690.6	2729.8	2755.8	2768.9	2814.6	2834.1
37.5°	4489.4	4500.2	4530.7	4391.5	4065.3	3821.6	3514.9	3543.3	3475.8	3482.3	3484.5
40°	4828.7	4863.5	5041.9	5176.8	5150.6	5009.3	4763.5	4778.7	4652.5	4624.3	4487.2
42.5°	5054.9	5100.6	5385.6	5803.1	6016.3	6144.7	6088.1	6081.5	5983.7	5946.7	5831.4
45°	5196.3	5237.7	5596.5	6212.0	6703.7	7077.7	7232.1	7249.6	7166.9	7129.9	7034.3
47.5°	5189.7	5237.7	5622.6	6364.3	7088.7	7686.8	8121.8	8143.5	8193.6	8160.9	8167.4
50°	4902.7	4948.4	5335.5	6105.5	6975.5	7965.2	8761.3	8830.9	8911.3	8965.7	8991.9
52.5°	4554.7	4587.3	4931.0	5661.8	6492.6	7849.9	9139.7	9259.4	9379.0	9481.3	9553.0
55°	4426.3	4463.3	4733.0	5339.9	6105.5	7367.0	9315.9	9492.1	9661.8	9829.3	9966.3
57.5°	4493.8	4528.5	4722.1	5187.6	5875.0	6858.1	9365.9	9640.0	9918.5	10190.3	10460.0
60°	4741.7	4778.7	4944.0	5328.9	5814.1	6564.4	9170.2	9624.8	10088.0	10562.2	11008.1
62.5°	4643.8	4659.0	4902.7	5577.0	6249.0	6314.3	8458.9	9094.1	9801.0	10531.8	11251.7
63°	4550.3	4567.7	4815.7	5509.5	6381.8	6277.3	8239.3	8909.2	9655.2	10442.6	11225.7
65°	4126.2	4128.3	4317.6	4865.7	6233.8	6342.5	7260.5	7899.9	8756.9	9700.9	10690.6
67.5°	3079.9	3064.7	3247.4	3665.1	4894.0	6344.8	6231.6	6590.6	7186.6	8024.0	8911.3
70°	1091.9	1068.0	1363.8	1942.3	3049.4	5189.7	5355.1	5379.0	5544.4	5996.7	6553.6
72.5°	354.5	361.1	435.0	711.3	1405.1	3493.2	4848.3	4774.3	4730.9	4728.6	4802.6
75°	141.3	143.6	174.0	315.4	630.8	1683.5	4245.8	4287.0	4302.4	4324.0	4348.1
77.5°	67.4	74.0	97.9	176.2	313.2	833.1	3038.6	3388.7	3588.9	3743.4	3836.9
80°	23.9	28.3	54.4	108.7	145.7	382.8	1600.9	1931.5	2225.1	2603.6	2929.9
82.5°	0.0	0.0	10.8	76.1	80.4	154.4	656.9	769.9	880.9	1141.9	1466.0
85°	0.0	0.0	0.0	21.8	23.9	26.2	221.9	267.6	300.2	350.2	404.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.5	13.1	32.6	50.1
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°	64°	65°	66°	67°	68°	69°	70°	71°
0°	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0
2.5°	535.1	533.0	533.0	528.6	526.4	522.0	519.9	513.3	511.2	511.2	511.2
5°	632.9	624.2	619.9	609.0	602.4	600.3	589.5	585.1	578.5	580.8	569.8
7.5°	741.7	726.5	720.0	704.7	700.4	685.1	680.8	669.9	663.5	650.4	646.0
10°	861.3	841.8	830.9	806.9	800.4	789.6	776.5	763.4	752.6	739.5	733.1
12.5°	998.4	981.0	972.3	939.6	924.5	909.1	891.8	874.4	857.0	846.1	830.9
15°	1159.3	1131.0	1122.3	1091.9	1065.8	1046.2	1022.3	1000.5	987.5	965.8	950.5
17.5°	1318.1	1289.8	1283.3	1237.6	1209.4	1196.3	1170.3	1141.9	1118.0	1096.3	1072.3
20°	1476.8	1457.3	1439.8	1396.4	1366.0	1344.2	1309.3	1281.1	1261.5	1231.2	1200.6
22.5°	1635.7	1616.0	1603.1	1557.4	1529.1	1498.6	1468.2	1437.7	1409.5	1372.5	1337.7
25°	1798.9	1785.8	1779.2	1738.0	1711.8	1683.5	1653.0	1618.3	1583.4	1542.1	1505.2
27.5°	1968.4	1972.8	1959.7	1951.0	1922.7	1903.2	1855.4	1831.5	1805.3	1755.3	1709.6
30°	2183.7	2196.8	2192.5	2199.1	2181.6	2168.6	2131.6	2101.2	2070.7	2022.9	1970.7
32.5°	2455.7	2473.1	2481.7	2505.8	2497.0	2492.7	2481.7	2438.3	2416.5	2333.9	2312.1
35°	2875.5	2866.8	2903.7	2923.3	2914.6	2910.3	2897.3	2873.4	2847.2	2788.4	2734.1
37.5°	3421.4	3430.1	3443.2	3404.1	3377.9	3375.8	3336.6	3312.7	3275.7	3210.4	3145.2
40°	4421.9	4367.6	4306.7	4141.4	4069.6	4028.3	3913.0	3880.4	3817.2	3728.1	3660.7
42.5°	5722.7	5668.3	5485.6	5209.4	5061.5	4857.0	4763.5	4648.2	4559.0	4413.3	4335.0
45°	7014.7	6858.1	6836.3	6514.4	6331.7	6062.0	5894.5	5700.9	5498.7	5307.3	5168.1
47.5°	8104.4	8069.5	7963.1	7767.2	7597.6	7371.3	7156.0	6858.1	6649.2	6377.4	6127.2
50°	8976.6	8974.4	8935.2	8822.2	8680.8	8498.2	8308.9	8056.6	7819.5	7486.7	7219.2
52.5°	9629.2	9663.9	9677.0	9642.1	9587.8	9426.8	9331.2	9120.1	8920.0	8637.2	8348.0
55°	10107.6	10236.0	10301.2	10375.2	10360.0	10303.5	10299.1	10162.0	10070.7	9846.6	9642.1
57.5°	10699.3	10910.3	11112.5	11471.5	11484.4	11610.7	11676.0	11741.2	11758.5	11669.4	11602.0
60°	11451.8	11882.5	12265.3	13015.8	13211.6	13520.4	13720.5	13938.0	14122.8	14138.1	14133.8
62.5°	11982.5	12646.0	13263.7	14377.3	14758.0	15114.8	15382.2	15593.3	15721.6	15852.1	15913.0
63°	11997.8	12724.3	13381.2	14529.6	14929.8	15269.2	15523.7	15719.4	15854.3	15932.5	15971.7
65°	11630.3	12511.1	13294.1	14438.2	14814.5	15156.1	15288.7	15417.1	15482.4	15512.7	15397.4
67.5°	9857.6	10718.9	11632.4	12911.3	13233.2	13642.2	13751.0	13816.2	13846.6	13840.2	13742.3
70°	7371.3	8093.6	9109.3	10570.9	10997.3	11397.5	11645.4	11752.0	11786.8	11775.9	11630.3
72.5°	5146.3	5570.4	6407.8	8034.8	8615.6	9128.9	9435.6	9594.3	9626.9	9561.7	9426.8
75°	4321.9	4343.7	4532.9	5422.4	5966.2	6514.4	6860.2	6960.3	6895.0	6697.1	6353.5
77.5°	3858.6	3906.5	3906.5	4039.1	4145.7	4298.0	4330.6	4086.9	3804.3	3438.8	3143.1
80°	3236.6	3404.1	3521.5	3619.4	3630.2	3599.8	3519.2	3382.3	3164.7	2886.3	2577.5
82.5°	1966.3	2296.9	2431.8	2936.4	3184.3	3351.8	3338.8	3156.0	2990.8	2701.5	2438.3
85°	496.0	535.1	580.8	754.7	846.1	1033.2	1150.6	1205.0	1224.6	1124.6	1018.0
87.5°	47.8	32.6	54.4	41.3	58.8	43.5	58.8	54.4	67.4	71.7	78.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0
2.5°	506.8	504.6	502.4	500.3	498.1	496.0	491.6	491.6	487.3	485.0	482.9
5°	563.3	559.0	556.9	552.5	545.9	541.5	535.1	526.4	519.9	517.6	513.3
7.5°	635.2	624.2	619.9	613.4	604.7	591.6	582.9	576.4	565.6	559.0	545.9
10°	715.6	704.7	691.7	678.6	665.6	650.4	639.4	630.8	613.4	604.7	589.5
12.5°	817.9	798.3	783.0	765.7	748.3	730.8	717.7	691.7	676.4	656.9	643.8
15°	922.2	904.8	887.5	865.7	839.5	811.3	798.3	774.3	754.7	724.3	706.9
17.5°	1048.4	1015.7	989.7	963.6	939.6	913.5	887.5	850.5	822.2	796.1	761.3
20°	1172.4	1133.3	1104.9	1070.1	1035.4	994.1	963.6	937.4	898.3	863.6	826.6
22.5°	1305.0	1265.9	1220.2	1185.5	1137.6	1104.9	1063.7	1020.1	981.0	935.3	889.6
25°	1466.0	1424.7	1372.5	1326.8	1272.4	1226.8	1176.7	1126.7	1078.9	1026.7	967.9
27.5°	1664.0	1620.4	1563.9	1509.5	1437.7	1381.2	1333.4	1265.9	1205.0	1139.8	1072.3
30°	1914.0	1866.2	1796.6	1718.3	1646.6	1583.4	1516.1	1426.9	1359.4	1281.1	1194.2
32.5°	2240.4	2183.7	2090.2	2016.3	1927.1	1844.4	1750.9	1661.7	1566.1	1463.9	1363.8
35°	2651.5	2599.3	2490.4	2381.7	2283.9	2186.0	2068.6	1966.3	1831.5	1707.4	1579.1
37.5°	3077.8	2984.2	2884.2	2766.8	2644.8	2527.4	2383.9	2242.5	2088.1	1953.3	1792.2
40°	3564.9	3451.9	3369.2	3243.1	3071.2	2903.7	2771.1	2594.9	2401.3	2220.7	2031.6
42.5°	4232.8	4106.6	3958.7	3767.3	3643.3	3447.5	3275.7	3066.9	2812.3	2610.1	2381.7
45°	5004.9	4833.1	4689.5	4504.6	4354.5	4111.0	3910.9	3632.4	3377.9	3112.6	2834.1
47.5°	5885.8	5672.6	5463.8	5281.1	5041.9	4802.6	4548.2	4252.3	3926.1	3634.6	3303.9
50°	6897.2	6594.8	6305.6	6070.7	5742.2	5466.0	5189.7	4857.0	4495.9	4160.9	3784.6
52.5°	8021.7	7671.6	7288.8	6927.7	6547.0	6192.5	5859.6	5476.9	5074.5	4665.6	4245.8
55°	9379.0	9115.8	8665.6	8206.6	7697.6	7223.5	6794.9	6320.9	5831.4	5294.2	4852.6
57.5°	11504.1	11375.7	10999.4	10540.6	9877.1	9300.7	8574.2	7993.5	7284.4	6544.9	5975.0
60°	14383.9	14225.0	14014.1	13642.2	13115.8	12332.8	11532.4	10629.7	9550.9	8526.4	7554.1
62.5°	15919.6	15862.9	15691.2	15434.4	14942.9	14325.2	13518.3	12526.3	11308.4	10064.1	8824.4
63°	15965.1	15893.4	15745.5	15484.5	15051.6	14453.6	13661.7	12698.2	11506.2	10238.2	8972.2
65°	15347.5	15319.2	15169.1	14884.1	14588.4	14131.5	13518.3	12689.4	11688.9	10490.5	9231.1
67.5°	13611.8	13526.9	13296.4	13209.3	13002.7	12685.1	12217.5	11647.6	10932.1	9990.2	8902.6
70°	11512.7	11386.6	11097.3	10942.9	10690.6	10490.5	10205.6	9798.8	9357.2	8700.4	7889.1
72.5°	9287.6	9026.6	8761.3	8358.9	8006.5	7649.8	7334.4	7047.3	6562.2	6296.8	5681.3
75°	6031.5	5557.3	5102.8	4493.8	3945.6	3460.6	2988.5	2749.3	2251.2	2048.9	1759.6
77.5°	2862.4	2597.0	2240.4	1964.1	1611.7	1316.0	1074.5	806.9	632.9	496.0	378.4
80°	2309.9	2085.9	1870.6	1620.4	1355.0	1081.0	828.7	619.9	439.3	304.5	215.3
82.5°	2059.8	1816.2	1550.8	1379.0	1198.5	981.0	804.8	656.9	485.0	354.5	241.4
85°	800.4	674.3	519.9	424.1	330.6	271.8	245.8	169.6	132.7	104.3	80.4
87.5°	69.6	56.5	45.7	30.5	32.6	17.4	19.5	13.1	10.8	10.8	8.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0
2.5°	480.7	478.5	476.3	471.9	471.9	467.7	465.5	463.4	452.4	428.5	408.9
5°	504.6	500.3	496.0	489.4	485.0	478.5	474.2	467.7	443.7	398.1	358.9
7.5°	539.4	530.7	524.2	511.2	504.6	496.0	489.4	478.5	439.3	369.7	315.4
10°	580.8	565.6	554.6	539.4	526.4	515.5	504.6	489.4	435.0	339.3	276.2
12.5°	630.8	613.4	591.6	574.2	556.9	541.5	526.4	506.8	428.5	313.2	245.8
15°	680.8	654.7	639.4	615.5	591.6	569.8	548.1	530.7	430.7	284.9	219.7
17.5°	737.3	711.3	678.6	652.5	626.5	598.2	572.1	537.2	419.8	263.2	200.1
20°	791.7	754.7	724.3	691.7	654.7	619.9	587.2	556.9	411.0	241.4	182.7
22.5°	850.5	806.9	767.8	726.5	680.8	641.7	602.4	563.3	395.9	221.9	167.5
25°	922.2	872.2	815.6	765.7	717.7	669.9	619.9	572.1	380.7	204.5	156.7
27.5°	1009.3	944.0	887.5	824.3	757.0	696.1	641.7	589.5	365.5	191.4	145.7
30°	1120.2	1044.0	963.6	883.1	811.3	741.7	665.6	600.3	350.2	178.3	134.9
32.5°	1268.1	1172.4	1074.5	981.0	885.2	796.1	715.6	630.8	341.4	167.5	124.0
35°	1463.9	1339.9	1220.2	1102.8	987.5	878.8	774.3	678.6	341.4	154.4	111.0
37.5°	1648.7	1505.2	1352.9	1207.1	1070.1	944.0	820.0	704.7	324.1	143.6	100.1
40°	1848.8	1676.9	1498.6	1326.8	1161.5	1004.9	863.6	730.8	308.8	130.5	89.2
42.5°	2155.5	1938.1	1705.3	1505.2	1307.2	1113.6	937.4	780.9	289.3	117.4	78.3
45°	2557.9	2281.6	2007.7	1764.0	1511.7	1274.6	1065.8	872.2	284.9	106.6	67.4
47.5°	2988.5	2662.3	2340.4	2029.3	1733.6	1457.3	1207.1	974.4	284.9	95.8	58.8
50°	3417.0	3008.2	2664.5	2303.4	1970.7	1644.3	1346.3	1081.0	287.2	87.0	47.8
52.5°	3804.3	3367.1	2982.1	2564.4	2196.8	1818.4	1494.3	1185.5	282.8	76.1	39.1
55°	4341.5	3828.2	3382.3	2921.2	2490.4	2064.2	1696.6	1342.0	284.9	67.4	32.6
57.5°	5331.2	4728.6	4191.4	3586.7	3090.8	2540.5	2094.6	1664.0	311.1	56.5	23.9
60°	6751.5	5968.5	5213.8	4476.3	3845.6	3190.9	2612.2	2105.6	365.5	45.7	17.4
62.5°	7706.3	6681.9	5781.4	4967.9	4234.9	3549.8	2918.9	2342.5	402.3	37.0	10.8
63°	7804.2	6745.0	5840.1	5000.6	4252.3	3567.2	2932.0	2359.9	404.6	34.7	10.8
65°	7989.1	6853.7	5872.7	5007.0	4234.9	3543.3	2923.3	2357.8	408.9	28.3	8.7
67.5°	7778.2	6686.2	5683.6	4820.0	4082.6	3401.8	2814.6	2270.8	406.7	19.5	6.5
70°	6955.9	6051.2	5170.2	4365.4	3695.4	3079.9	2562.3	2070.7	374.1	13.1	4.4
72.5°	5107.2	4491.5	3808.6	3227.9	2784.1	2312.1	1972.8	1555.2	289.3	8.7	2.1
75°	1513.8	1379.0	1159.3	1022.3	902.7	746.0	663.5	517.6	147.9	4.4	0.0
77.5°	302.3	274.1	245.8	224.0	210.9	180.6	171.8	141.3	60.9	2.1	0.0
80°	158.8	130.5	111.0	97.9	84.8	69.6	58.8	47.8	10.8	0.0	0.0
82.5°	152.3	102.2	74.0	60.9	52.2	41.3	32.6	23.9	6.5	0.0	0.0
85°	56.5	43.5	32.6	26.2	21.8	19.5	15.2	13.1	0.0	0.0	0.0
87.5°	8.7	6.5	6.5	4.4	4.4	2.1	2.1	2.1	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	459.0	459.0	459.0	459.0	459.0	459.0	459.0
2.5°	389.4	371.9	363.2	352.4	352.4	350.2	354.5
5°	324.1	300.2	282.8	269.7	271.8	265.4	267.6
7.5°	274.1	250.2	234.8	226.3	224.0	221.9	221.9
10°	237.1	215.3	202.2	195.7	193.6	193.6	193.6
12.5°	210.9	189.3	178.3	174.0	174.0	171.8	171.8
15°	189.3	171.8	161.0	156.7	156.7	154.4	156.7
17.5°	171.8	154.4	145.7	141.3	141.3	139.2	139.2
20°	156.7	141.3	132.7	126.1	126.1	124.0	126.1
22.5°	143.6	128.4	117.4	113.1	111.0	108.7	111.0
25°	130.5	115.3	104.3	97.9	95.8	95.8	93.5
27.5°	119.7	104.3	91.4	84.8	82.7	82.7	80.4
30°	108.7	91.4	78.3	71.7	69.6	69.6	69.6
32.5°	97.9	78.3	67.4	60.9	58.8	58.8	58.8
35°	87.0	67.4	56.5	50.1	47.8	47.8	47.8
37.5°	74.0	56.5	43.5	39.1	37.0	34.7	34.7
40°	63.1	43.5	32.6	28.3	23.9	23.9	23.9
42.5°	52.2	34.7	23.9	17.4	15.2	13.1	15.2
45°	43.5	26.2	15.2	8.7	6.5	6.5	6.5
47.5°	34.7	17.4	6.5	2.1	2.1	2.1	2.1
50°	26.2	10.8	2.1	0.0	0.0	2.1	2.1
52.5°	19.5	6.5	0.0	0.0	0.0	0.0	0.0
55°	10.8	2.1	0.0	0.0	0.0	0.0	0.0
57.5°	6.5	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)