

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: P154199

Luminaire Tested: **AVM-E02-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154199
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-E02-LED-E-U-T2-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2925.1 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

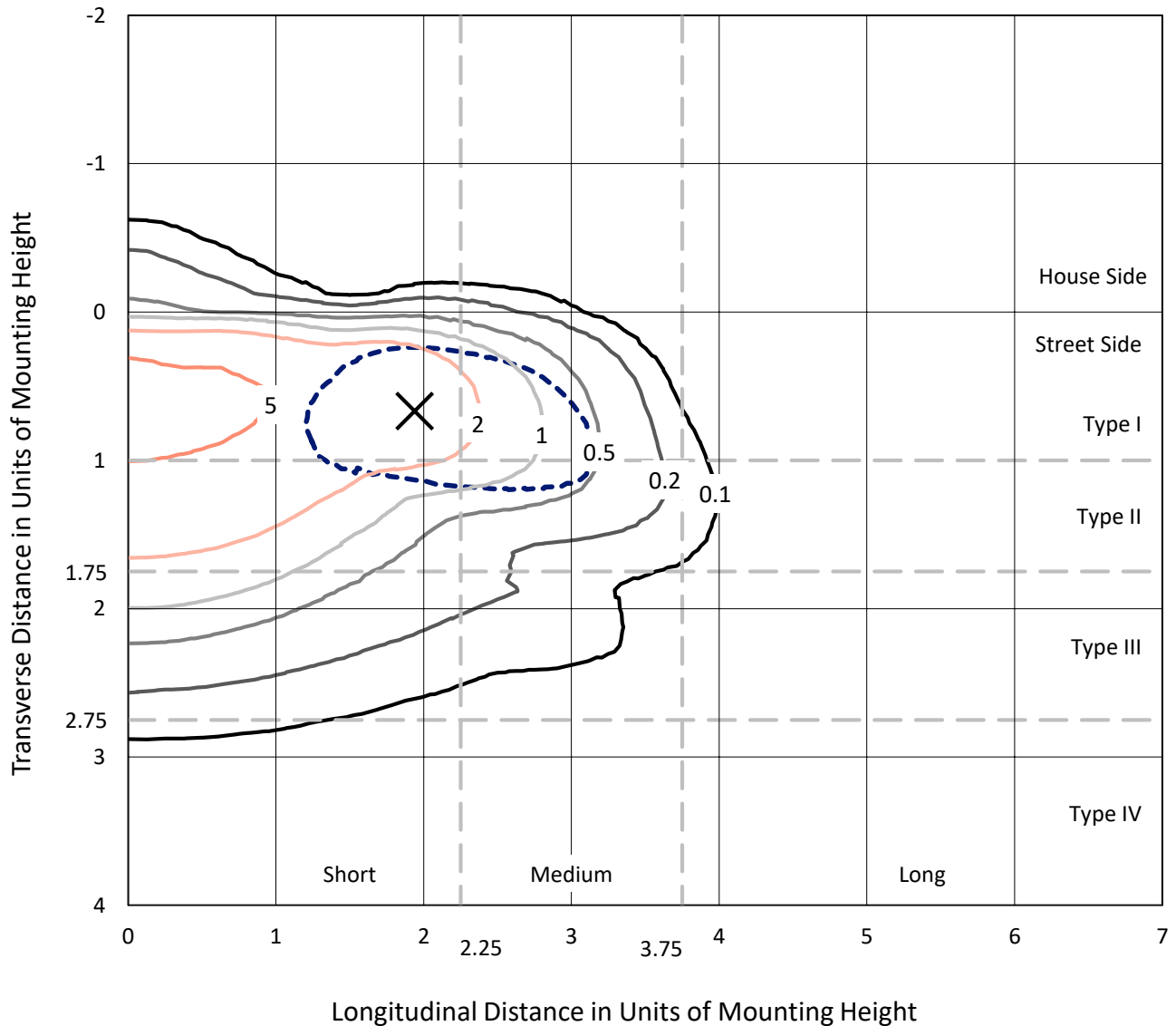
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

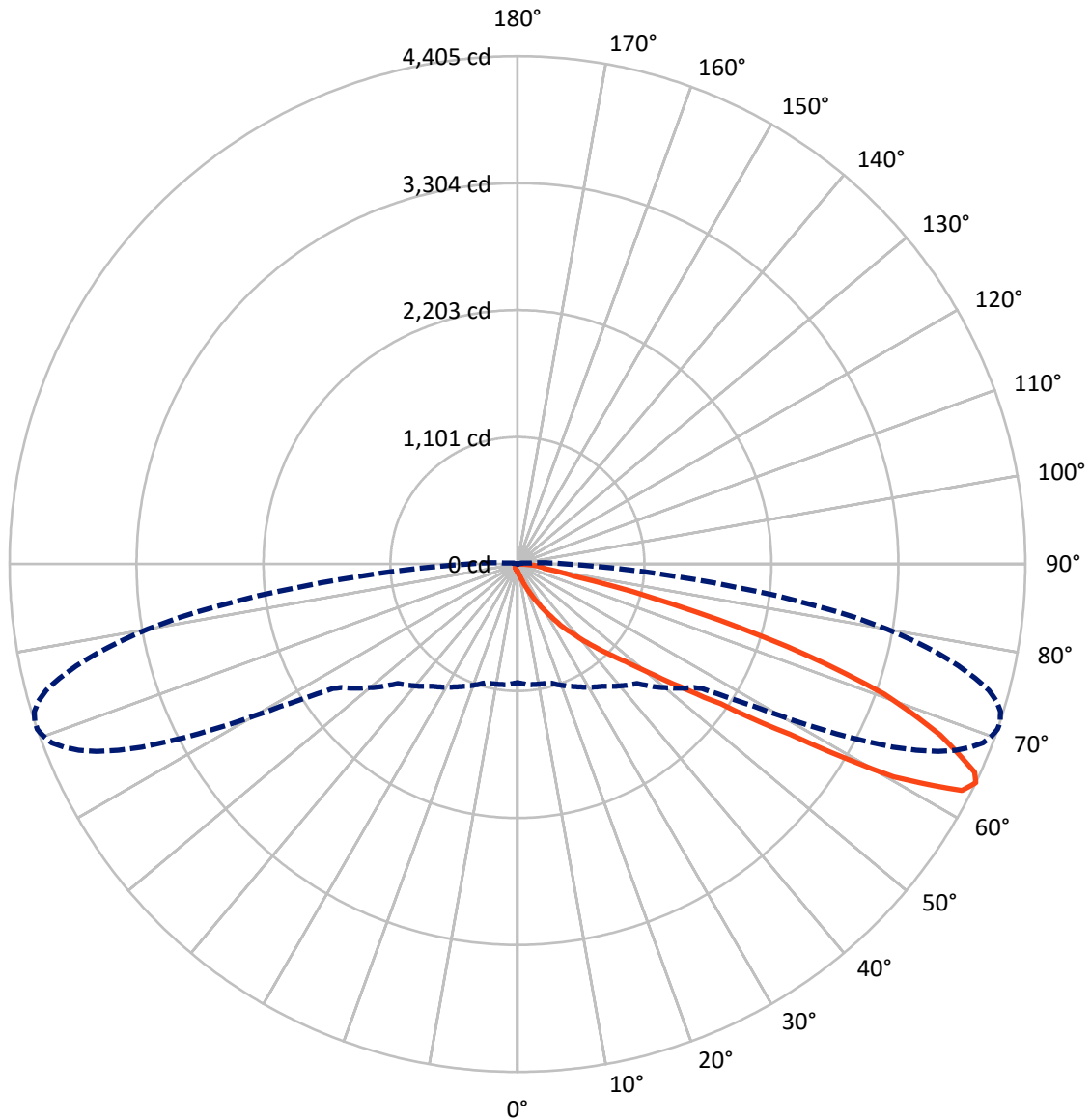
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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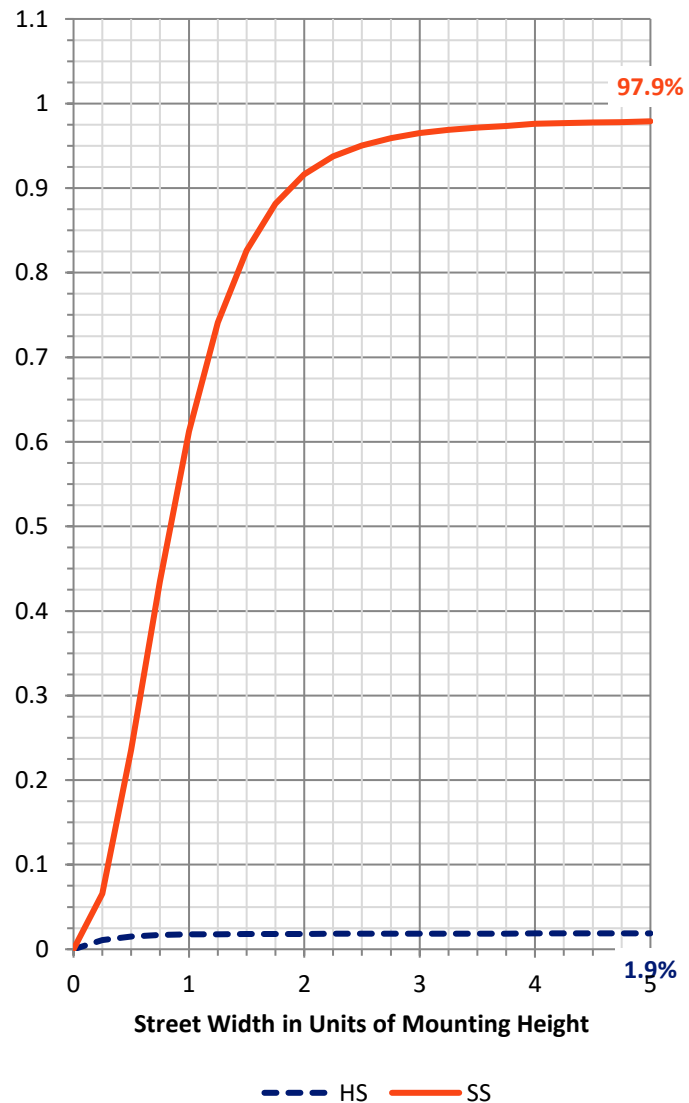
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.0	0.0	56.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2869.1	0.0	2869.1
	% Fixture	98.1	0.0	98.1
Total	Lumens	2925.1	0.0	2925.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.3
10°-20°	52.9	1.8
20°-30°	135.1	4.6
30°-40°	273.2	9.3
40°-50°	499.5	17.1
50°-60°	778.1	26.6
60°-70°	864.9	29.6
70°-80°	282.1	9.6
80°-90°	30.3	1.0
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°	2925.1	100.0
0°-180°	2925.1	100.0



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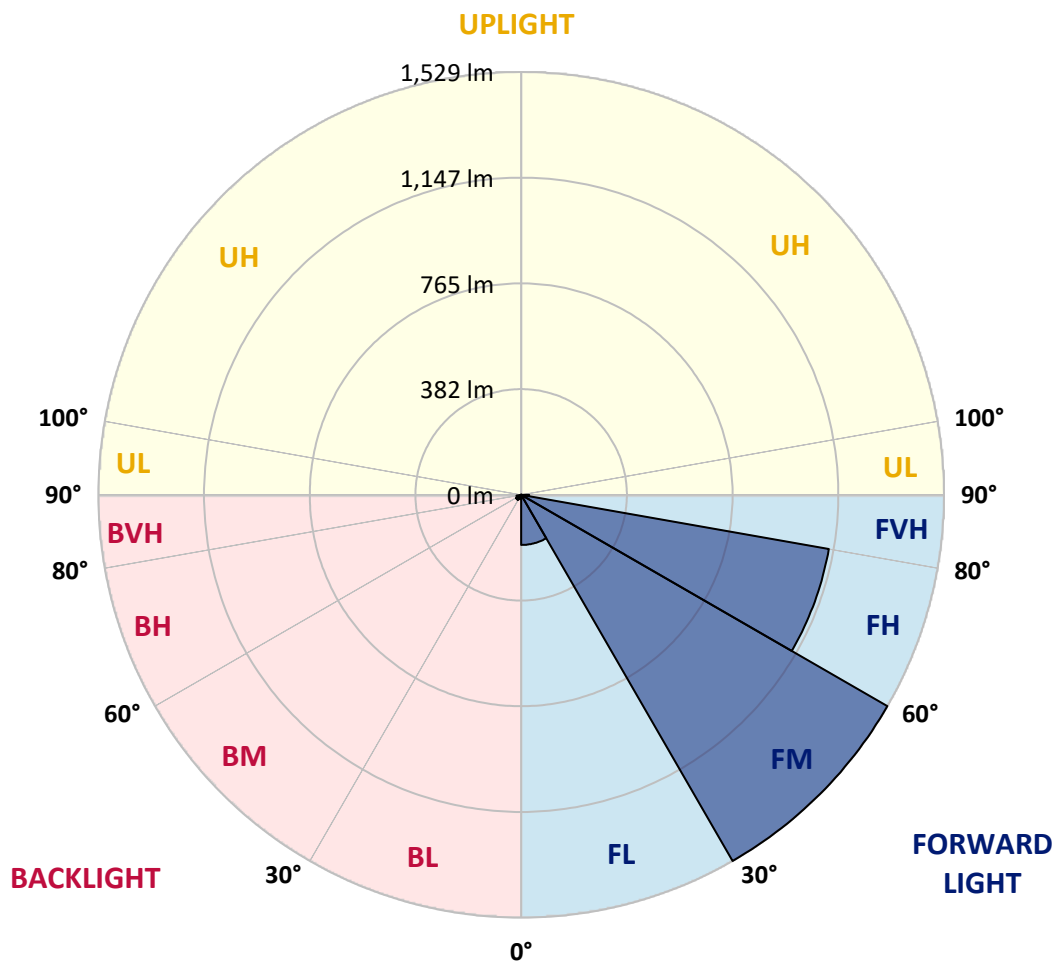
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.3	6.2			
FM	(30°-60°)	1529.2	52.3			
FH	(60°-80°)	1129.7	38.6			G1/1800
FVH	(80°-90°)	28.9	1.0			G1/100
BL	(0°-30°)	15.6	0.5	B0/110		
BM	(30°-60°)	21.7	0.7	B0/220		
BH	(60°-80°)	17.3	0.6	B0/110		G0/110
BVH	(80°-90°)	1.5	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2.5°	87.7	86.5	86.5	84.6	82.2	79.8	77.3	76.7	76.1	75.5	75.5
5°	137.6	132.7	130.9	124.2	115.7	105.3	96.2	93.8	93.8	91.9	90.7
7.5°	216.2	213.7	200.9	194.2	174.1	149.2	123.0	120.6	120.0	117.5	113.9
10°	316.6	311.8	302.6	283.1	246.6	203.4	166.2	160.1	155.9	151.0	146.1
12.5°	417.1	411.0	397.6	365.9	329.4	274.0	214.3	208.9	202.2	195.5	187.5
15°	517.6	513.3	492.6	460.9	413.4	347.1	271.6	261.8	256.3	243.0	236.9
17.5°	604.6	599.2	582.7	546.8	497.5	424.4	334.9	322.7	313.6	305.7	291.1
20°	680.1	674.7	658.8	629.0	573.6	501.7	403.1	397.0	380.6	368.4	359.9
22.5°	726.4	724.6	714.2	685.6	636.3	572.4	481.0	471.3	460.3	443.9	434.1
25°	755.0	753.2	747.1	727.0	693.5	646.7	566.9	554.7	545.0	530.4	518.2
27.5°	784.9	783.7	778.8	761.1	743.5	714.2	654.0	647.3	625.9	617.4	605.9
30°	834.2	828.7	833.0	824.5	801.9	783.7	741.6	731.9	722.8	708.2	697.8
32.5°	912.7	903.6	912.7	903.6	893.9	871.9	831.8	828.7	819.6	810.4	795.8
35°	1008.9	1005.3	1012.6	1020.5	1012.6	983.4	934.7	925.5	921.9	907.3	901.8
37.5°	1105.8	1112.5	1125.9	1143.5	1138.6	1117.3	1048.5	1040.0	1033.3	1020.5	1010.8
40°	1209.9	1210.5	1239.1	1264.7	1277.5	1264.7	1174.0	1167.3	1158.1	1139.9	1137.4
42.5°	1323.1	1318.3	1339.6	1368.2	1394.4	1412.0	1339.6	1326.8	1314.0	1293.3	1279.3
45°	1423.6	1423.6	1440.7	1467.4	1507.6	1552.1	1514.3	1500.9	1488.8	1471.7	1455.9
47.5°	1497.9	1498.5	1508.9	1547.8	1610.5	1676.9	1678.1	1680.6	1671.4	1651.3	1651.9
50°	1550.3	1543.6	1557.6	1595.3	1667.8	1771.9	1846.8	1851.1	1858.4	1841.9	1846.8
52.5°	1588.6	1585.6	1594.7	1626.4	1698.8	1826.1	1985.0	2003.3	2014.2	2016.7	2036.8
55°	1568.5	1570.4	1592.3	1637.9	1715.9	1862.0	2102.5	2132.4	2157.9	2179.9	2204.8
57.5°	1502.2	1507.6	1546.0	1617.2	1719.5	1891.2	2227.4	2273.0	2321.1	2379.6	2428.9
60°	1396.2	1409.0	1460.8	1560.6	1684.2	1852.9	2264.5	2334.5	2408.2	2497.1	2596.4
62.5°	1240.9	1243.4	1277.5	1374.3	1510.7	1648.9	2094.0	2183.5	2280.9	2409.4	2548.2
64°	1028.4	1050.4	1066.2	1172.7	1294.5	1466.8	1868.7	1930.8	2066.6	2224.3	2399.1
65°	848.8	875.0	887.8	994.3	1133.8	1298.2	1672.6	1739.0	1882.1	2042.3	2260.2
67.5°	500.5	482.9	520.0	582.7	699.6	894.5	1128.3	1178.8	1285.4	1476.0	1650.1
70°	322.7	322.7	356.8	420.8	529.1	678.3	775.1	753.8	776.3	850.0	973.0
72.5°	207.0	218.0	238.7	292.9	393.3	568.7	792.2	691.7	639.3	615.0	613.8
75°	94.4	100.5	123.0	155.3	210.1	370.8	798.9	755.0	706.9	660.7	624.7
77.5°	20.1	23.1	39.0	80.4	102.3	171.1	566.9	632.6	685.0	700.2	700.2
80°	10.4	11.0	16.4	37.8	43.8	57.8	218.6	287.4	354.4	442.7	535.2
82.5°	4.3	4.9	9.7	17.0	18.3	17.7	57.8	73.1	100.5	146.1	218.0
85°	1.2	1.2	4.3	6.7	9.7	7.9	12.8	14.6	18.9	27.4	52.4
87.5°	0.0	0.0	0.6	1.2	1.8	3.0	3.7	3.7	3.7	3.7	3.7
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2.5°	74.9	74.9	74.3	73.7	73.7	72.5	72.5	71.9	71.9	71.2	71.2
5°	90.1	88.9	87.7	85.9	85.2	84.0	82.8	81.6	80.4	79.8	78.5
7.5°	112.0	110.8	107.2	104.7	101.7	99.9	97.4	95.6	93.8	92.6	90.1
10°	141.3	137.0	135.2	126.7	124.8	120.6	116.9	114.5	109.6	106.6	103.5
12.5°	182.7	174.8	171.7	157.1	152.8	146.7	142.5	136.4	130.9	127.3	121.8
15°	229.6	223.5	211.9	197.3	189.4	182.7	172.3	167.4	160.1	152.2	144.3
17.5°	285.6	274.6	261.8	243.0	233.2	222.9	213.1	202.8	190.6	183.3	174.8
20°	350.7	339.2	323.3	299.6	288.0	277.7	260.6	253.3	238.7	224.1	213.1
22.5°	422.0	410.4	395.2	368.4	353.2	336.1	322.1	309.3	292.3	277.7	264.9
25°	502.3	488.9	477.4	446.3	427.4	409.8	394.6	372.0	357.4	340.4	322.7
27.5°	593.7	577.8	562.6	528.5	510.9	491.4	473.1	449.4	435.4	407.4	390.9
30°	687.4	668.0	652.1	617.4	601.6	581.5	556.5	535.2	511.5	492.6	465.8
32.5°	786.1	770.3	757.5	720.9	700.8	675.9	653.3	630.8	610.1	579.7	555.3
35°	891.4	877.4	863.4	831.8	814.1	795.2	769.6	742.2	713.6	682.0	660.0
37.5°	1002.2	991.3	980.3	942.0	921.3	901.2	871.9	844.5	819.0	785.5	748.3
40°	1118.5	1108.2	1090.5	1058.9	1037.0	1018.7	991.9	966.3	931.6	894.5	861.6
42.5°	1264.7	1242.2	1226.9	1192.2	1169.1	1149.0	1125.2	1086.9	1057.7	1013.2	981.5
45°	1435.8	1414.5	1389.5	1354.2	1325.6	1292.7	1259.2	1233.0	1196.5	1156.3	1115.5
47.5°	1628.2	1611.2	1581.9	1547.2	1518.6	1485.7	1446.1	1412.6	1368.2	1321.3	1265.9
50°	1840.1	1822.4	1803.0	1764.0	1735.4	1704.3	1673.3	1633.7	1593.5	1537.5	1480.2
52.5°	2036.8	2040.4	2028.9	2010.6	1996.6	1964.3	1935.7	1897.9	1862.6	1811.5	1767.0
55°	2231.0	2262.7	2274.9	2292.5	2298.6	2272.4	2271.8	2216.4	2195.1	2165.2	2139.7
57.5°	2487.4	2557.4	2612.8	2720.0	2765.0	2810.7	2819.2	2780.2	2820.4	2768.7	2786.3
60°	2705.3	2833.8	2971.4	3248.5	3387.3	3492.0	3576.1	3638.2	3678.4	3746.6	3750.2
62.5°	2724.8	2927.0	3136.4	3540.8	3730.7	3889.7	4041.3	4147.2	4231.2	4308.6	4327.5
64°	2631.7	2881.9	3136.4	3625.4	3819.6	3996.2	4134.4	4239.8	4325.6	4373.7	4405.4
65°	2462.4	2742.5	3035.4	3569.4	3769.7	3957.2	4089.4	4195.3	4276.3	4324.4	4357.3
67.5°	1824.3	2095.2	2389.3	3011.0	3326.4	3498.1	3667.4	3816.0	3881.1	3942.0	3953.6
70°	1111.9	1308.5	1511.3	2087.9	2380.8	2689.5	2880.1	3097.5	3249.7	3343.5	3374.5
72.5°	671.0	739.2	860.4	1170.3	1451.0	1667.8	1931.4	2139.1	2309.6	2403.9	2451.4
75°	597.3	588.8	604.6	733.7	833.6	963.9	1059.5	1189.8	1295.1	1328.0	1389.5
77.5°	690.5	666.1	641.2	616.8	611.9	599.8	580.3	585.2	538.9	494.4	495.6
80°	615.0	673.4	708.2	682.6	624.7	566.3	494.4	404.9	316.6	261.8	238.7
82.5°	308.7	439.0	564.5	688.7	680.1	628.4	549.2	451.2	349.5	268.5	214.3
85°	95.0	168.7	237.5	330.0	383.0	375.7	330.0	320.9	228.9	178.4	137.6
87.5°	4.3	4.3	4.3	3.7	4.3	4.3	4.3	4.9	4.9	5.5	5.5
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2.5°	71.2	70.6	70.0	69.4	69.4	69.4	68.8	68.8	68.2	68.2	67.6
5°	78.5	77.3	76.7	75.5	75.5	74.3	73.7	73.1	71.9	71.2	70.6
7.5°	88.3	87.1	85.2	83.4	82.8	81.0	79.2	77.9	76.7	75.5	74.3
10°	101.1	98.6	95.0	92.6	90.7	88.3	85.9	84.0	81.6	79.2	77.9
12.5°	117.5	112.6	109.0	104.7	101.1	97.4	93.2	90.7	88.3	84.6	82.2
15°	136.4	131.5	127.3	120.0	113.9	109.0	105.3	99.9	95.6	90.7	87.1
17.5°	168.7	155.9	147.4	140.0	134.0	124.8	117.5	111.4	105.9	99.9	95.6
20°	200.3	189.4	177.8	169.3	155.9	148.0	138.2	129.7	120.0	112.6	105.3
22.5°	246.6	232.6	218.0	205.2	186.9	176.0	163.2	152.2	140.0	127.9	120.0
25°	305.1	284.4	264.9	246.6	229.6	213.1	196.7	179.0	166.2	151.6	138.2
27.5°	366.6	343.4	324.5	300.8	278.9	258.8	238.1	219.2	197.3	178.4	162.6
30°	443.9	412.2	390.3	361.7	339.8	311.8	286.2	261.2	234.4	212.5	190.0
32.5°	522.4	501.1	464.0	439.6	406.7	373.3	346.5	317.8	285.0	256.3	228.9
35°	625.9	589.4	558.4	524.3	488.3	453.6	418.9	378.1	344.6	309.3	275.8
37.5°	717.3	680.1	644.2	599.8	559.0	522.4	480.4	437.8	398.2	356.2	316.0
40°	823.2	777.0	734.3	692.9	642.4	599.2	555.3	502.3	456.7	410.4	362.9
42.5°	938.9	892.0	841.5	794.0	738.6	685.6	631.4	578.5	527.3	471.3	415.9
45°	1065.6	1016.3	959.6	905.4	845.2	786.7	722.2	661.3	601.0	538.3	474.3
47.5°	1222.7	1159.3	1107.0	1039.4	964.5	903.0	823.8	754.4	685.6	612.6	540.7
50°	1426.0	1354.2	1278.7	1203.8	1121.0	1043.0	955.4	873.2	781.2	699.6	617.4
52.5°	1695.8	1642.2	1554.5	1468.7	1367.6	1268.3	1147.8	1041.2	923.1	819.0	718.5
55°	2078.8	2043.5	1967.4	1873.6	1785.3	1640.4	1501.5	1335.9	1182.5	1032.7	891.4
57.5°	2772.3	2734.0	2649.3	2626.8	2491.0	2384.5	2221.9	2007.5	1747.5	1518.6	1290.3
60°	3770.9	3696.0	3613.2	3598.0	3438.5	3326.4	3165.1	2936.7	2691.9	2326.6	2015.5
62.5°	4328.7	4306.1	4239.2	4157.0	4018.7	3852.5	3671.1	3450.0	3201.6	2881.3	2511.1
64°	4403.6	4382.9	4325.0	4232.5	4093.6	3928.6	3727.7	3507.3	3258.2	2966.0	2628.0
65°	4356.7	4327.5	4278.1	4192.9	4063.8	3905.5	3703.3	3479.9	3227.2	2945.9	2631.7
67.5°	3978.6	3965.2	3920.1	3840.9	3760.0	3617.5	3439.7	3240.0	3033.5	2754.7	2497.1
70°	3378.2	3368.4	3311.2	3279.5	3145.6	3055.5	2911.8	2754.7	2572.0	2377.8	2158.6
72.5°	2504.4	2471.5	2425.2	2377.1	2286.4	2162.8	2050.8	1883.3	1788.9	1625.2	1501.5
75°	1328.0	1307.3	1235.5	1135.0	1023.0	965.1	848.8	744.7	661.9	624.7	535.2
77.5°	459.1	418.3	378.1	333.1	264.3	208.2	166.2	132.7	104.7	92.6	77.3
80°	228.9	217.4	204.6	179.0	150.4	121.2	95.0	74.9	61.5	52.4	46.9
82.5°	185.7	164.4	146.7	128.5	102.9	84.6	67.0	54.8	45.1	39.6	34.7
85°	109.6	84.0	63.9	57.8	45.1	39.0	33.5	28.6	24.4	23.1	21.3
87.5°	4.3	5.5	5.5	4.3	5.5	4.9	4.9	4.3	4.3	4.3	4.3
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2.5°	67.6	67.0	67.0	66.4	65.8	65.8	65.8	65.2	63.9	61.5	59.7
5°	70.0	69.4	68.8	67.6	67.0	66.4	65.8	65.8	62.7	58.5	55.4
7.5°	73.1	71.9	70.6	69.4	68.8	67.6	66.4	65.8	61.5	56.0	53.0
10°	76.1	74.3	72.5	71.9	70.0	68.8	67.0	65.8	60.9	54.2	49.9
12.5°	79.8	77.3	74.9	73.1	70.6	69.4	67.6	65.8	59.7	52.4	47.5
15°	84.0	80.4	77.3	75.5	73.1	70.0	67.6	65.8	58.5	50.5	45.1
17.5°	89.5	85.2	81.6	77.9	74.3	71.2	68.8	66.4	56.6	48.1	42.0
20°	98.0	92.6	86.5	82.2	77.3	73.7	69.4	66.4	55.4	45.7	39.6
22.5°	109.6	101.1	94.4	87.1	81.0	76.1	71.2	67.6	53.6	43.2	36.5
25°	126.0	115.1	104.1	95.0	87.1	80.4	74.3	69.4	52.4	41.4	34.7
27.5°	144.3	131.5	116.9	105.9	95.0	85.2	78.5	72.5	52.4	40.2	32.9
30°	169.9	151.6	134.0	120.0	105.3	94.4	84.6	76.7	52.4	39.6	31.1
32.5°	200.9	180.2	157.7	137.6	120.6	104.7	92.6	82.2	53.6	38.4	29.8
35°	244.2	213.7	186.9	162.0	139.4	121.2	105.3	91.3	55.4	37.8	28.0
37.5°	278.3	241.7	207.6	179.0	152.8	130.3	110.2	95.0	53.6	35.3	26.2
40°	319.1	277.7	236.3	200.3	170.5	141.3	118.1	99.9	52.4	32.3	23.7
42.5°	368.4	316.6	268.5	227.7	190.6	155.9	128.5	105.9	52.4	30.4	21.9
45°	414.7	358.0	304.5	253.3	210.1	171.7	138.2	112.6	51.8	28.6	19.5
47.5°	471.9	404.9	342.2	283.1	233.2	186.3	148.6	118.7	51.1	26.8	17.7
50°	539.5	457.9	387.3	316.6	255.7	204.0	160.7	125.4	49.9	25.0	15.8
52.5°	614.4	526.7	436.6	355.0	283.7	222.9	172.3	131.5	48.1	23.1	14.0
55°	747.1	626.6	520.0	418.9	326.4	250.9	189.4	140.7	46.3	21.3	12.2
57.5°	1065.6	865.9	714.8	562.6	429.9	322.1	235.6	166.8	43.8	18.9	9.7
60°	1673.3	1343.8	1087.5	853.1	650.3	494.4	347.1	246.6	46.9	15.8	8.5
62.5°	2146.4	1767.6	1441.3	1147.2	890.8	677.1	505.4	368.4	67.6	14.0	6.7
64°	2270.0	1886.4	1538.1	1230.0	963.3	742.9	563.8	416.5	87.1	14.0	6.1
65°	2288.2	1922.9	1572.8	1260.4	988.2	760.5	580.9	432.3	95.0	14.6	5.5
67.5°	2212.7	1901.6	1583.1	1273.2	1007.1	784.9	604.0	457.3	107.2	14.0	4.3
70°	1932.6	1703.7	1441.9	1191.0	949.9	745.9	580.9	443.3	112.0	13.4	3.7
72.5°	1315.2	1157.5	1002.9	825.1	661.3	545.0	423.8	312.4	78.5	11.0	3.0
75°	438.4	427.4	382.4	289.8	243.6	197.9	158.3	121.8	29.8	6.7	3.0
77.5°	73.1	62.7	54.8	52.4	43.8	42.6	37.1	29.8	12.8	4.3	3.0
80°	42.6	39.0	34.1	30.4	26.8	23.7	20.1	17.0	7.9	3.0	3.7
82.5°	31.7	28.0	25.0	21.9	18.9	16.4	14.0	11.6	4.3	3.0	3.7
85°	18.3	15.8	14.0	12.2	9.7	8.5	7.3	6.1	3.0	3.0	3.0
87.5°	3.7	3.7	3.0	3.0	3.0	3.0	3.0	2.4	3.0	3.0	2.4
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):

	125°	135°	145°	155°	165°	175°	180°
0°	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2.5°	58.5	56.6	56.0	56.0	56.0	56.0	56.0
5°	53.6	51.8	50.5	49.9	49.9	49.9	49.9
7.5°	49.9	47.5	46.3	45.1	45.1	44.4	44.4
10°	46.3	43.8	42.0	40.8	40.2	40.2	40.2
12.5°	43.2	40.8	38.4	37.1	37.1	36.5	36.5
15°	40.8	37.1	35.3	34.1	34.1	33.5	33.5
17.5°	37.8	34.7	32.9	31.7	31.1	31.1	31.1
20°	34.7	31.7	29.8	29.2	28.6	28.6	28.0
22.5°	32.3	29.2	27.4	26.8	26.2	26.2	25.6
25°	29.8	26.8	25.0	24.4	23.7	23.1	23.1
27.5°	28.0	25.0	23.1	21.9	21.3	20.7	20.7
30°	26.2	22.5	20.7	19.5	18.9	18.3	18.3
32.5°	24.4	20.7	18.3	17.0	16.4	15.8	15.8
35°	21.9	18.3	15.8	15.2	14.6	14.0	13.4
37.5°	20.1	15.8	14.0	12.8	12.2	11.6	11.6
40°	17.7	14.0	12.2	11.0	9.7	9.1	9.1
42.5°	15.8	12.2	10.4	8.5	7.9	7.3	7.3
45°	14.0	11.0	8.5	6.7	6.1	5.5	5.5
47.5°	12.2	9.1	6.7	5.5	4.9	4.3	4.3
50°	10.4	7.3	4.9	3.7	4.3	3.7	3.7
52.5°	9.1	5.5	3.7	3.7	3.7	3.7	3.7
55°	7.3	4.3	3.0	3.0	3.7	3.7	3.7
57.5°	6.1	3.0	2.4	3.0	3.0	3.0	3.0
60°	4.3	2.4	2.4	3.0	3.0	3.0	3.0
62.5°	3.7	2.4	2.4	2.4	3.0	3.0	3.0
64°	3.0	2.4	2.4	2.4	3.0	3.0	3.0
65°	3.0	2.4	2.4	2.4	3.0	3.0	3.0
67.5°	3.0	2.4	2.4	2.4	3.0	3.0	3.0
70°	2.4	2.4	2.4	2.4	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	3.0	3.0	3.0
75°	2.4	2.4	2.4	2.4	3.0	3.0	3.0
77.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
80°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
82.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
85°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
87.5°	2.4	2.4	2.4	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)