

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: P154219

Luminaire Tested: **AVM-E04-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154219
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-E04-LED-E-U-T2-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5850.2 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

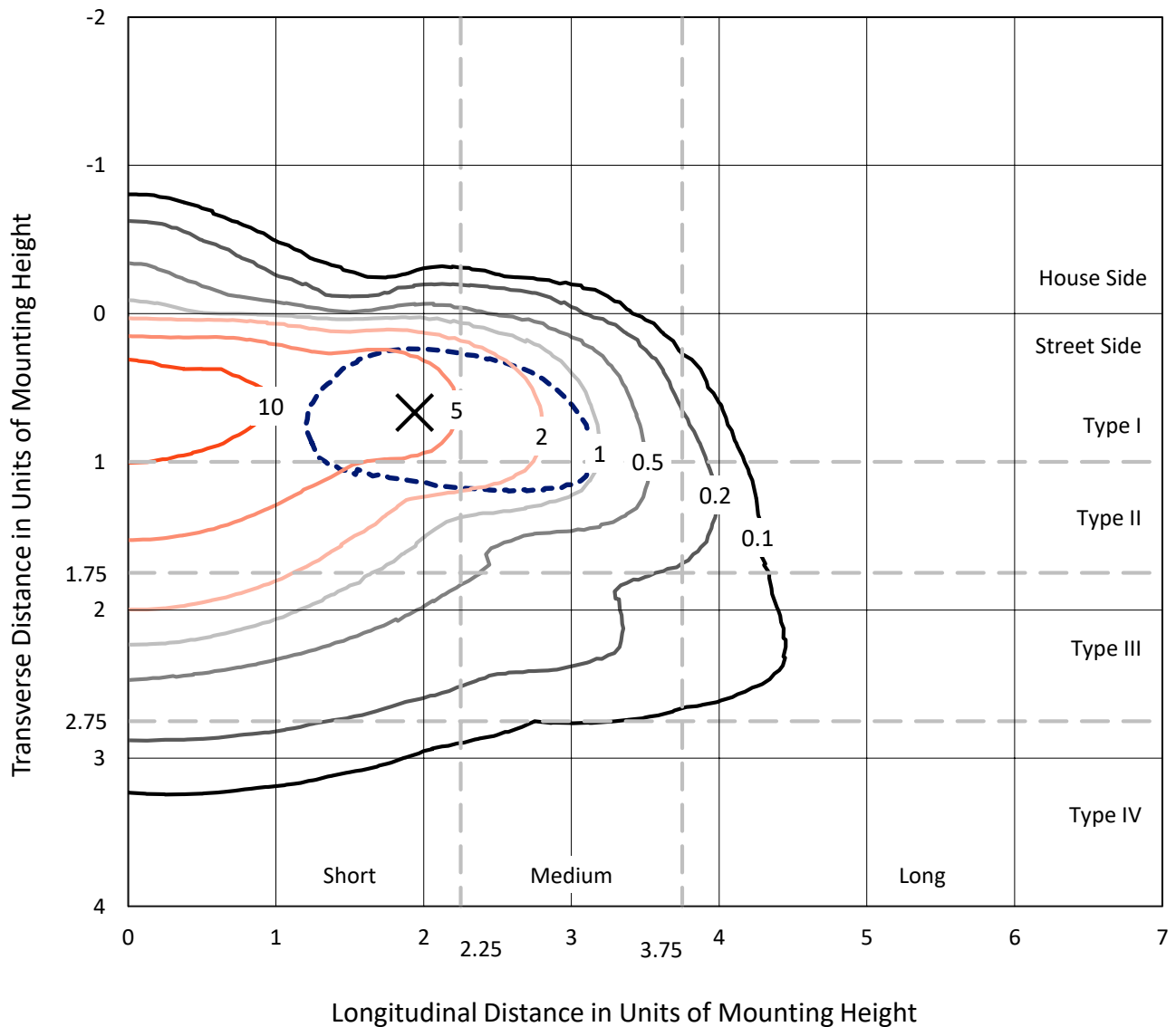
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

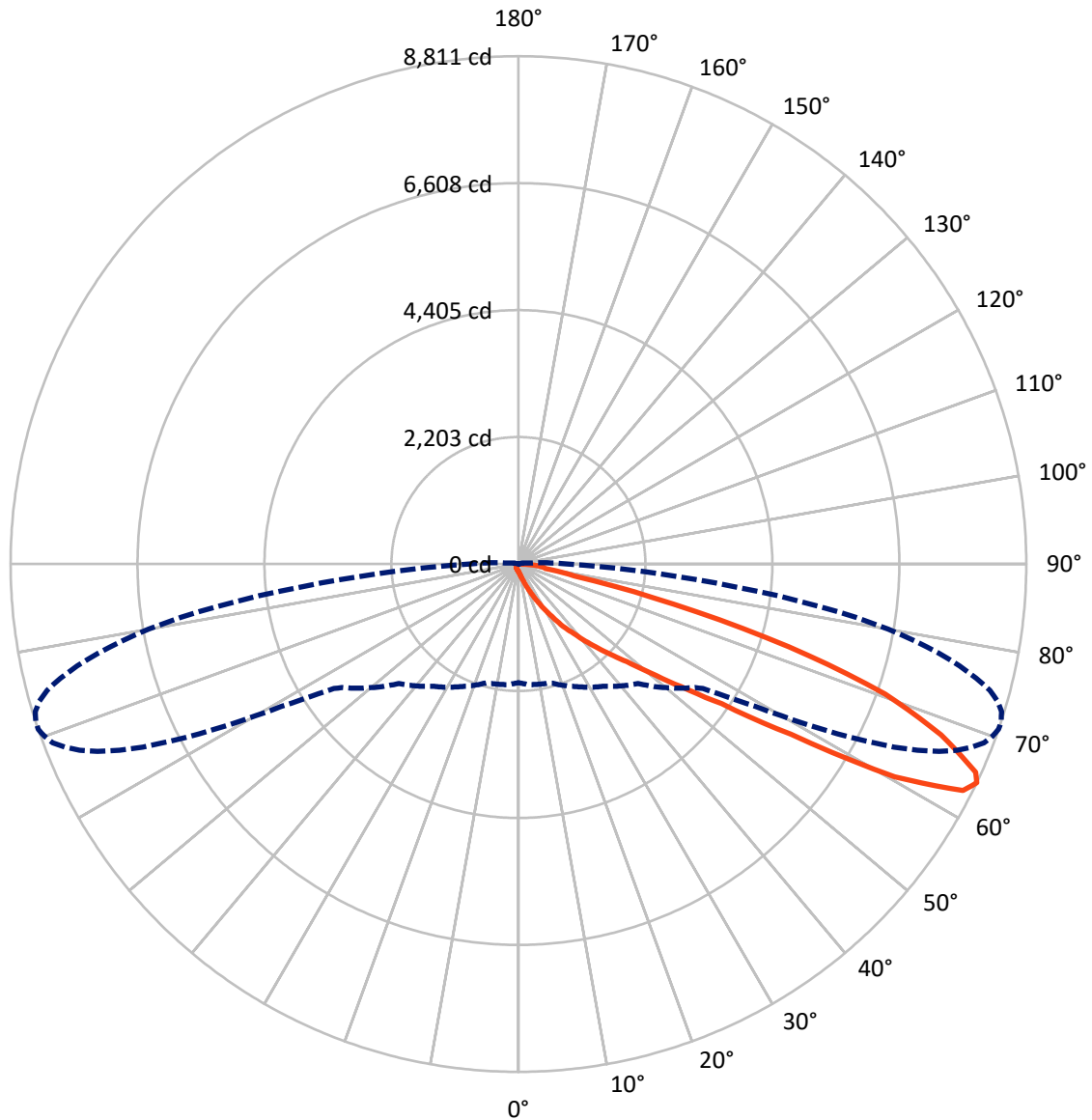
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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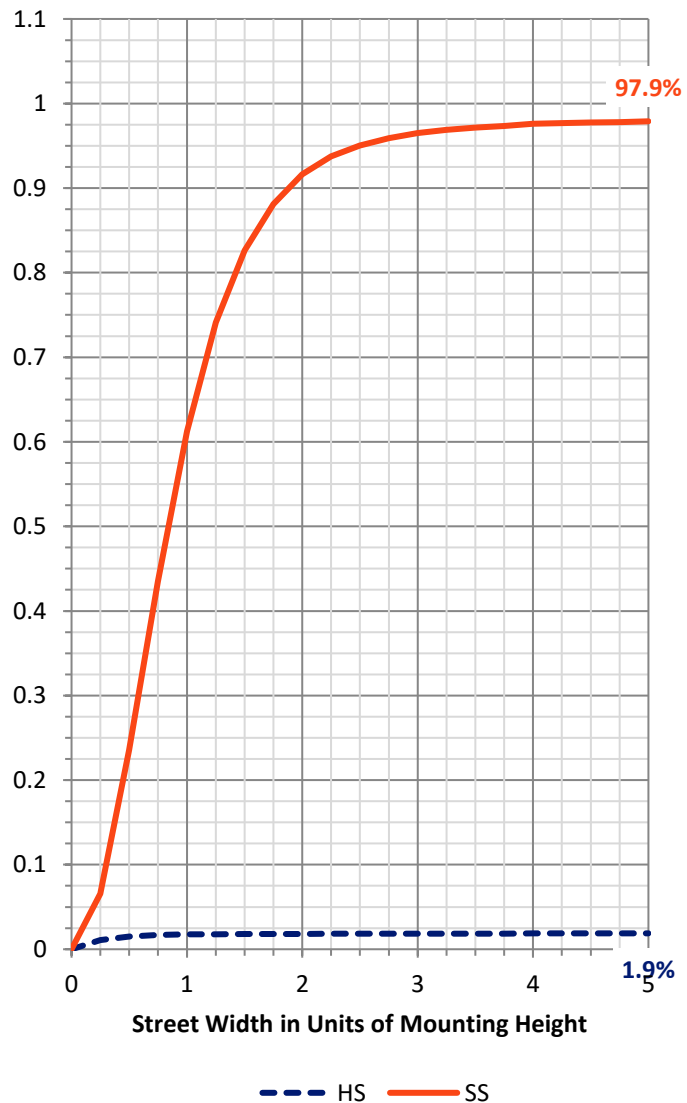
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	112.0	0.0	112.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	5738.2	0.0	5738.2
	% Fixture	98.1	0.0	98.1
Total	Lumens	5850.2	0.0	5850.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.3
10°-20°	105.8	1.8
20°-30°	270.2	4.6
30°-40°	546.5	9.3
40°-50°	998.9	17.1
50°-60°	1556.3	26.6
60°-70°	1729.8	29.6
70°-80°	564.1	9.6
80°-90°	60.7	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°	5850.2	100.0
0°-180°	5850.2	100.0



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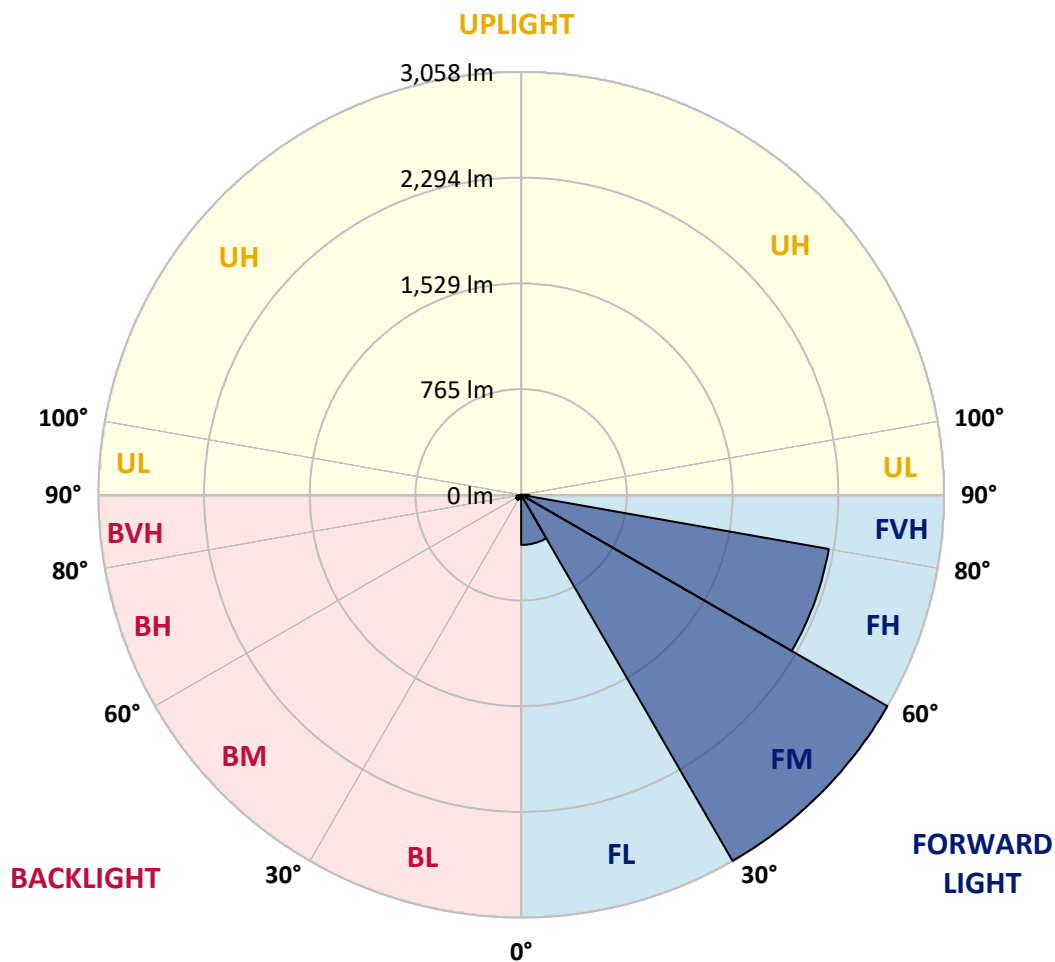
CATALOG NUMBER: AVM-E04-LED-E-U-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.7	6.2			
FM	(30°-60°)	3058.3	52.3			
FH	(60°-80°)	2259.4	38.6			G2/5000
FVH	(80°-90°)	57.8	1.0			G1/100
BL	(0°-30°)	31.2	0.5	B0/110		
BM	(30°-60°)	43.3	0.7	B0/220		
BH	(60°-80°)	34.6	0.6	B0/110		G0/110
BVH	(80°-90°)	2.9	0.1			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°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
2.5°	175.4	172.9	172.9	169.3	164.4	159.5	154.7	153.4	152.2	151.0	151.0
5°	275.2	265.5	261.8	248.4	231.4	210.7	192.4	187.5	187.5	183.9	181.5
7.5°	432.3	427.4	401.9	388.5	348.3	298.4	246.0	241.1	239.9	235.0	227.7
10°	633.3	623.5	605.2	566.3	493.2	406.7	332.5	320.3	311.8	302.0	292.3
12.5°	834.2	822.0	795.2	731.9	658.8	548.0	428.7	417.7	404.3	390.9	375.1
15°	1035.1	1026.6	985.2	921.9	826.9	694.1	543.1	523.7	512.7	485.9	473.7
17.5°	1209.3	1198.3	1165.4	1093.6	994.9	848.8	669.8	645.4	627.2	611.3	582.1
20°	1360.3	1349.3	1317.7	1258.0	1147.2	1003.5	806.2	794.0	761.1	736.8	719.7
22.5°	1452.8	1449.2	1428.5	1371.2	1272.6	1144.7	962.1	942.6	920.7	887.8	868.3
25°	1510.1	1506.4	1494.2	1454.1	1387.1	1293.3	1133.8	1109.4	1089.9	1060.7	1036.3
27.5°	1569.7	1567.3	1557.6	1522.3	1486.9	1428.5	1307.9	1294.5	1251.9	1234.8	1211.7
30°	1668.4	1657.4	1666.0	1648.9	1603.8	1567.3	1483.3	1463.8	1445.5	1416.3	1395.6
32.5°	1825.5	1807.2	1825.5	1807.2	1787.7	1743.9	1663.5	1657.4	1639.2	1620.9	1591.7
35°	2017.9	2010.6	2025.2	2041.0	2025.2	1966.7	1869.3	1851.1	1843.7	1814.5	1803.6
37.5°	2211.5	2224.9	2251.7	2287.0	2277.3	2234.7	2097.1	2080.0	2066.6	2041.0	2021.5
40°	2419.8	2421.0	2478.2	2529.4	2554.9	2529.4	2347.9	2334.5	2316.3	2279.7	2274.9
42.5°	2646.3	2636.5	2679.2	2736.4	2788.8	2824.1	2679.2	2653.6	2628.0	2586.6	2558.6
45°	2847.2	2847.2	2881.3	2934.9	3015.3	3104.2	3028.7	3001.9	2977.5	2943.4	2911.8
47.5°	2995.8	2997.0	3017.7	3095.6	3221.1	3353.8	3356.3	3361.1	3342.9	3302.7	3303.9
50°	3100.5	3087.1	3115.1	3190.6	3335.6	3543.8	3693.6	3702.1	3716.7	3683.8	3693.6
52.5°	3177.2	3171.2	3189.4	3252.7	3397.7	3652.2	3970.0	4006.6	4028.5	4033.4	4073.5
55°	3137.1	3140.7	3184.5	3275.9	3431.8	3724.0	4205.1	4264.7	4315.9	4359.7	4409.7
57.5°	3004.3	3015.3	3092.0	3234.5	3439.1	3782.5	4454.7	4546.0	4642.3	4759.2	4857.8
60°	2792.4	2818.0	2921.5	3121.2	3368.4	3705.8	4529.0	4669.0	4816.4	4994.2	5192.7
62.5°	2481.9	2486.7	2554.9	2748.6	3021.4	3297.8	4188.0	4367.0	4561.9	4818.8	5096.5
64°	2056.9	2100.7	2132.4	2345.5	2589.0	2933.7	3737.4	3861.6	4133.2	4448.6	4798.1
65°	1697.6	1750.0	1775.6	1988.7	2267.5	2596.4	3345.3	3478.0	3764.2	4084.5	4520.5
67.5°	1001.0	965.7	1040.0	1165.4	1399.3	1788.9	2256.6	2357.7	2570.8	2951.9	3300.2
70°	645.4	645.4	713.6	841.5	1058.3	1356.6	1550.3	1507.6	1552.7	1700.0	1946.0
72.5°	414.1	436.0	477.4	585.8	786.7	1137.4	1584.4	1383.4	1278.7	1230.0	1227.5
75°	188.8	200.9	246.0	310.5	420.1	741.6	1597.8	1510.1	1413.9	1321.3	1249.5
77.5°	40.2	46.3	77.9	160.7	204.6	342.2	1133.8	1265.3	1370.0	1400.5	1400.5
80°	20.7	21.9	32.9	75.5	87.7	115.7	437.2	574.8	708.8	885.3	1070.4
82.5°	8.5	9.7	19.5	34.1	36.5	35.3	115.7	146.1	200.9	292.3	436.0
85°	2.4	2.4	8.5	13.4	19.5	15.8	25.6	29.2	37.8	54.8	104.7
87.5°	0.0	0.0	1.2	2.4	3.7	6.1	7.3	7.3	7.3	7.3	7.3
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
2.5°	149.8	149.8	148.6	147.4	147.4	144.9	144.9	143.7	143.7	142.5	142.5
5°	180.2	177.8	175.4	171.7	170.5	168.1	165.6	163.2	160.7	159.5	157.1
7.5°	224.1	221.6	214.3	209.5	203.4	199.7	194.8	191.2	187.5	185.1	180.2
10°	282.5	274.0	270.4	253.3	249.6	241.1	233.8	228.9	219.2	213.1	207.0
12.5°	365.3	349.5	343.4	314.2	305.7	293.5	285.0	272.8	261.8	254.5	243.6
15°	459.1	446.9	423.8	394.6	378.7	365.3	344.6	334.9	320.3	304.5	288.6
17.5°	571.1	549.2	523.7	485.9	466.4	445.7	426.2	405.5	381.2	366.6	349.5
20°	701.5	678.3	646.7	599.2	576.0	555.3	521.2	506.6	477.4	448.2	426.2
22.5°	843.9	820.8	790.4	736.8	706.3	672.2	644.2	618.6	584.5	555.3	529.7
25°	1004.7	977.9	954.8	892.6	854.9	819.6	789.1	744.1	714.8	680.8	645.4
27.5°	1187.4	1155.7	1125.2	1057.1	1021.7	982.8	946.2	898.7	870.7	814.7	781.8
30°	1374.9	1335.9	1304.3	1234.8	1203.2	1163.0	1113.1	1070.4	1023.0	985.2	931.6
32.5°	1572.2	1540.5	1514.9	1441.9	1401.7	1351.8	1306.7	1261.6	1220.2	1159.3	1110.6
35°	1782.9	1754.9	1726.8	1663.5	1628.2	1590.4	1539.3	1484.5	1427.3	1363.9	1320.1
37.5°	2004.5	1982.6	1960.7	1883.9	1842.5	1802.3	1743.9	1689.1	1637.9	1571.0	1496.7
40°	2237.1	2216.4	2181.1	2117.8	2073.9	2037.4	1983.8	1932.6	1863.2	1788.9	1723.2
42.5°	2529.4	2484.3	2453.9	2384.5	2338.2	2298.0	2250.5	2173.8	2115.3	2026.4	1963.1
45°	2871.6	2829.0	2779.0	2708.4	2651.2	2585.4	2518.4	2466.0	2393.0	2312.6	2231.0
47.5°	3256.4	3222.3	3163.8	3094.4	3037.2	2971.4	2892.3	2825.3	2736.4	2642.6	2531.8
50°	3680.2	3644.9	3605.9	3528.0	3470.7	3408.6	3346.5	3267.4	3187.0	3074.9	2960.5
52.5°	4073.5	4080.8	4057.7	4021.2	3993.2	3928.6	3871.4	3795.9	3725.3	3623.0	3534.1
55°	4462.0	4525.3	4549.7	4585.0	4597.2	4544.8	4543.6	4432.8	4390.2	4330.5	4279.4
57.5°	4974.7	5114.8	5225.6	5439.9	5530.0	5621.4	5638.4	5560.5	5640.9	5537.3	5572.7
60°	5410.7	5667.6	5942.9	6497.0	6774.6	6984.1	7152.1	7276.4	7356.7	7493.1	7500.4
62.5°	5449.7	5854.0	6272.9	7081.5	7461.5	7779.3	8082.5	8294.4	8462.5	8617.2	8654.9
64°	5263.3	5763.8	6272.9	7250.8	7639.3	7992.4	8268.9	8479.5	8651.3	8747.5	8810.8
65°	4924.8	5485.0	6070.7	7138.7	7539.4	7914.5	8178.7	8390.6	8552.6	8648.8	8714.6
67.5°	3648.5	4190.5	4778.6	6022.0	6652.8	6996.3	7334.8	7632.0	7762.3	7884.0	7907.2
70°	2223.7	2617.1	3022.6	4175.8	4761.6	5379.0	5760.2	6195.0	6499.4	6686.9	6749.1
72.5°	1342.0	1478.4	1720.8	2340.6	2902.0	3335.6	3862.9	4278.1	4619.1	4807.9	4902.9
75°	1194.7	1177.6	1209.3	1467.4	1667.2	1927.8	2119.0	2379.6	2590.3	2656.0	2779.0
77.5°	1381.0	1332.3	1282.3	1233.6	1223.9	1199.5	1160.6	1170.3	1077.8	988.9	991.3
80°	1230.0	1346.9	1416.3	1365.2	1249.5	1132.6	988.9	809.8	633.3	523.7	477.4
82.5°	617.4	878.0	1128.9	1377.3	1360.3	1256.8	1098.5	902.4	699.0	537.0	428.7
85°	190.0	337.3	474.9	660.0	766.0	751.4	660.0	641.8	457.9	356.8	275.2
87.5°	8.5	8.5	8.5	7.3	8.5	8.5	8.5	9.7	9.7	11.0	11.0
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
2.5°	142.5	141.3	140.0	138.8	138.8	138.8	137.6	137.6	136.4	136.4	135.2
5°	157.1	154.7	153.4	151.0	151.0	148.6	147.4	146.1	143.7	142.5	141.3
7.5°	176.6	174.1	170.5	166.8	165.6	162.0	158.3	155.9	153.4	151.0	148.6
10°	202.2	197.3	190.0	185.1	181.5	176.6	171.7	168.1	163.2	158.3	155.9
12.5°	235.0	225.3	218.0	209.5	202.2	194.8	186.3	181.5	176.6	169.3	164.4
15°	272.8	263.0	254.5	239.9	227.7	218.0	210.7	199.7	191.2	181.5	174.1
17.5°	337.3	311.8	294.7	280.1	267.9	249.6	235.0	222.9	211.9	199.7	191.2
20°	400.7	378.7	355.6	338.5	311.8	295.9	276.4	259.4	239.9	225.3	210.7
22.5°	493.2	465.2	436.0	410.4	373.9	351.9	326.4	304.5	280.1	255.7	239.9
25°	610.1	568.7	529.7	493.2	459.1	426.2	393.3	358.0	332.5	303.2	276.4
27.5°	733.1	686.8	649.1	601.6	557.8	517.6	476.2	438.4	394.6	356.8	325.2
30°	887.8	824.5	780.6	723.4	679.5	623.5	572.4	522.4	468.9	425.0	380.0
32.5°	1044.9	1002.2	928.0	879.3	813.5	746.5	692.9	635.7	569.9	512.7	457.9
35°	1251.9	1178.8	1116.7	1048.5	976.7	907.3	837.8	756.3	689.3	618.6	551.7
37.5°	1434.6	1360.3	1288.4	1199.5	1117.9	1044.9	960.8	875.6	796.4	712.4	632.0
40°	1646.5	1553.9	1468.7	1385.9	1284.8	1198.3	1110.6	1004.7	913.4	820.8	725.8
42.5°	1877.8	1784.1	1683.0	1588.0	1477.2	1371.2	1262.9	1156.9	1054.6	942.6	831.8
45°	2131.2	2032.5	1919.3	1810.9	1690.3	1573.4	1444.3	1322.5	1202.0	1076.5	948.7
47.5°	2445.3	2318.7	2214.0	2078.8	1929.0	1806.0	1647.7	1508.9	1371.2	1225.1	1081.4
50°	2852.1	2708.4	2557.4	2407.6	2242.0	2086.1	1910.7	1746.3	1562.4	1399.3	1234.8
52.5°	3391.6	3284.4	3109.0	2937.3	2735.2	2536.7	2295.6	2082.4	1846.2	1637.9	1437.0
55°	4157.6	4086.9	3934.7	3747.2	3570.6	3280.8	3003.1	2671.9	2365.0	2065.4	1782.9
57.5°	5544.6	5467.9	5298.6	5253.6	4982.0	4768.9	4443.8	4015.1	3495.1	3037.2	2580.5
60°	7541.8	7392.0	7226.4	7196.0	6876.9	6652.8	6330.1	5873.5	5383.9	4653.2	4030.9
62.5°	8657.3	8612.3	8478.3	8313.9	8037.5	7705.0	7342.1	6900.1	6403.2	5762.6	5022.2
64°	8807.1	8765.7	8650.0	8464.9	8187.3	7857.2	7455.4	7014.5	6516.5	5931.9	5256.0
65°	8713.4	8654.9	8556.3	8385.8	8127.6	7811.0	7406.7	6959.7	6454.3	5891.7	5263.3
67.5°	7957.1	7930.3	7840.2	7681.9	7519.9	7235.0	6879.4	6479.9	6067.1	5509.3	4994.2
70°	6756.4	6736.9	6622.4	6559.1	6291.2	6110.9	5823.5	5509.3	5144.0	4755.5	4317.1
72.5°	5008.8	4943.1	4850.5	4754.3	4572.8	4325.6	4101.6	3766.7	3577.9	3250.3	3003.1
75°	2656.0	2614.6	2470.9	2270.0	2045.9	1930.2	1697.6	1489.4	1323.7	1249.5	1070.4
77.5°	918.2	836.6	756.3	666.1	528.5	416.5	332.5	265.5	209.5	185.1	154.7
80°	457.9	434.8	409.2	358.0	300.8	242.3	190.0	149.8	123.0	104.7	93.8
82.5°	371.4	328.8	293.5	257.0	205.8	169.3	134.0	109.6	90.1	79.2	69.4
85°	219.2	168.1	127.9	115.7	90.1	77.9	67.0	57.2	48.7	46.3	42.6
87.5°	8.5	11.0	11.0	8.5	11.0	9.7	9.7	8.5	8.5	8.5	8.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
2.5°	135.2	134.0	134.0	132.7	131.5	131.5	131.5	130.3	127.9	123.0	119.3
5°	140.0	138.8	137.6	135.2	134.0	132.7	131.5	131.5	125.4	116.9	110.8
7.5°	146.1	143.7	141.3	138.8	137.6	135.2	132.7	131.5	123.0	112.0	105.9
10°	152.2	148.6	144.9	143.7	140.0	137.6	134.0	131.5	121.8	108.4	99.9
12.5°	159.5	154.7	149.8	146.1	141.3	138.8	135.2	131.5	119.3	104.7	95.0
15°	168.1	160.7	154.7	151.0	146.1	140.0	135.2	131.5	116.9	101.1	90.1
17.5°	179.0	170.5	163.2	155.9	148.6	142.5	137.6	132.7	113.3	96.2	84.0
20°	196.1	185.1	172.9	164.4	154.7	147.4	138.8	132.7	110.8	91.3	79.2
22.5°	219.2	202.2	188.8	174.1	162.0	152.2	142.5	135.2	107.2	86.5	73.1
25°	252.1	230.2	208.2	190.0	174.1	160.7	148.6	138.8	104.7	82.8	69.4
27.5°	288.6	263.0	233.8	211.9	190.0	170.5	157.1	144.9	104.7	80.4	65.8
30°	339.8	303.2	267.9	239.9	210.7	188.8	169.3	153.4	104.7	79.2	62.1
32.5°	401.9	360.5	315.4	275.2	241.1	209.5	185.1	164.4	107.2	76.7	59.7
35°	488.3	427.4	373.9	323.9	278.9	242.3	210.7	182.7	110.8	75.5	56.0
37.5°	556.5	483.5	415.3	358.0	305.7	260.6	220.4	190.0	107.2	70.6	52.4
40°	638.1	555.3	472.5	400.7	341.0	282.5	236.3	199.7	104.7	64.5	47.5
42.5°	736.8	633.3	537.0	455.5	381.2	311.8	257.0	211.9	104.7	60.9	43.8
45°	829.3	716.1	608.9	506.6	420.1	343.4	276.4	225.3	103.5	57.2	39.0
47.5°	943.8	809.8	684.4	566.3	466.4	372.6	297.1	237.5	102.3	53.6	35.3
50°	1079.0	915.8	774.5	633.3	511.5	408.0	321.5	250.9	99.9	49.9	31.7
52.5°	1228.8	1053.4	873.2	710.0	567.5	445.7	344.6	263.0	96.2	46.3	28.0
55°	1494.2	1253.1	1040.0	837.8	652.7	501.7	378.7	281.3	92.6	42.6	24.4
57.5°	2131.2	1731.7	1429.7	1125.2	859.8	644.2	471.3	333.7	87.7	37.8	19.5
60°	3346.5	2687.7	2175.0	1706.1	1300.6	988.9	694.1	493.2	93.8	31.7	17.0
62.5°	4292.7	3535.3	2882.5	2294.3	1781.6	1354.2	1010.8	736.8	135.2	28.0	13.4
64°	4540.0	3772.7	3076.2	2460.0	1926.6	1485.7	1127.7	833.0	174.1	28.0	12.2
65°	4576.5	3845.8	3145.6	2520.8	1976.5	1521.0	1161.8	864.6	190.0	29.2	11.0
67.5°	4425.5	3803.2	3166.3	2546.4	2014.2	1569.7	1208.1	914.6	214.3	28.0	8.5
70°	3865.3	3407.4	2883.8	2382.0	1899.8	1491.8	1161.8	886.6	224.1	26.8	7.3
72.5°	2630.4	2315.0	2005.7	1650.1	1322.5	1089.9	847.6	624.7	157.1	21.9	6.1
75°	876.8	854.9	764.8	579.7	487.1	395.8	316.6	243.6	59.7	13.4	6.1
77.5°	146.1	125.4	109.6	104.7	87.7	85.2	74.3	59.7	25.6	8.5	6.1
80°	85.2	77.9	68.2	60.9	53.6	47.5	40.2	34.1	15.8	6.1	7.3
82.5°	63.3	56.0	49.9	43.8	37.8	32.9	28.0	23.1	8.5	6.1	7.3
85°	36.5	31.7	28.0	24.4	19.5	17.0	14.6	12.2	6.1	6.1	6.1
87.5°	7.3	7.3	6.1	6.1	6.1	6.1	6.1	4.9	6.1	6.1	4.9
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°	130.3	130.3	130.3	130.3	130.3	130.3	130.3
2.5°	116.9	113.3	112.0	112.0	112.0	112.0	112.0
5°	107.2	103.5	101.1	99.9	99.9	99.9	99.9
7.5°	99.9	95.0	92.6	90.1	90.1	88.9	88.9
10°	92.6	87.7	84.0	81.6	80.4	80.4	80.4
12.5°	86.5	81.6	76.7	74.3	74.3	73.1	73.1
15°	81.6	74.3	70.6	68.2	68.2	67.0	67.0
17.5°	75.5	69.4	65.8	63.3	62.1	62.1	62.1
20°	69.4	63.3	59.7	58.5	57.2	57.2	56.0
22.5°	64.5	58.5	54.8	53.6	52.4	52.4	51.1
25°	59.7	53.6	49.9	48.7	47.5	46.3	46.3
27.5°	56.0	49.9	46.3	43.8	42.6	41.4	41.4
30°	52.4	45.1	41.4	39.0	37.8	36.5	36.5
32.5°	48.7	41.4	36.5	34.1	32.9	31.7	31.7
35°	43.8	36.5	31.7	30.4	29.2	28.0	26.8
37.5°	40.2	31.7	28.0	25.6	24.4	23.1	23.1
40°	35.3	28.0	24.4	21.9	19.5	18.3	18.3
42.5°	31.7	24.4	20.7	17.0	15.8	14.6	14.6
45°	28.0	21.9	17.0	13.4	12.2	11.0	11.0
47.5°	24.4	18.3	13.4	11.0	9.7	8.5	8.5
50°	20.7	14.6	9.7	7.3	8.5	7.3	7.3
52.5°	18.3	11.0	7.3	7.3	7.3	7.3	7.3
55°	14.6	8.5	6.1	6.1	7.3	7.3	7.3
57.5°	12.2	6.1	4.9	6.1	6.1	6.1	6.1
60°	8.5	4.9	4.9	6.1	6.1	6.1	6.1
62.5°	7.3	4.9	4.9	4.9	6.1	6.1	6.1
64°	6.1	4.9	4.9	4.9	6.1	6.1	6.1
65°	6.1	4.9	4.9	4.9	6.1	6.1	6.1
67.5°	6.1	4.9	4.9	4.9	6.1	6.1	6.1
70°	4.9	4.9	4.9	4.9	6.1	6.1	6.1
72.5°	4.9	4.9	4.9	4.9	6.1	6.1	6.1
75°	4.9	4.9	4.9	4.9	6.1	6.1	6.1
77.5°	4.9	4.9	4.9	6.1	6.1	6.1	6.1
80°	4.9	4.9	4.9	6.1	6.1	6.1	6.1
82.5°	4.9	4.9	4.9	6.1	6.1	6.1	6.1
85°	4.9	4.9	4.9	6.1	6.1	6.1	6.1
87.5°	4.9	4.9	4.9	6.1	6.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)