

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: P154222

Luminaire Tested: **AVM-E04-LED-E-U-T2-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154222
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-7060
Description: VISION SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (84) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6572.4 lumens
Efficiency: N/A
Efficacy: 67.6 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

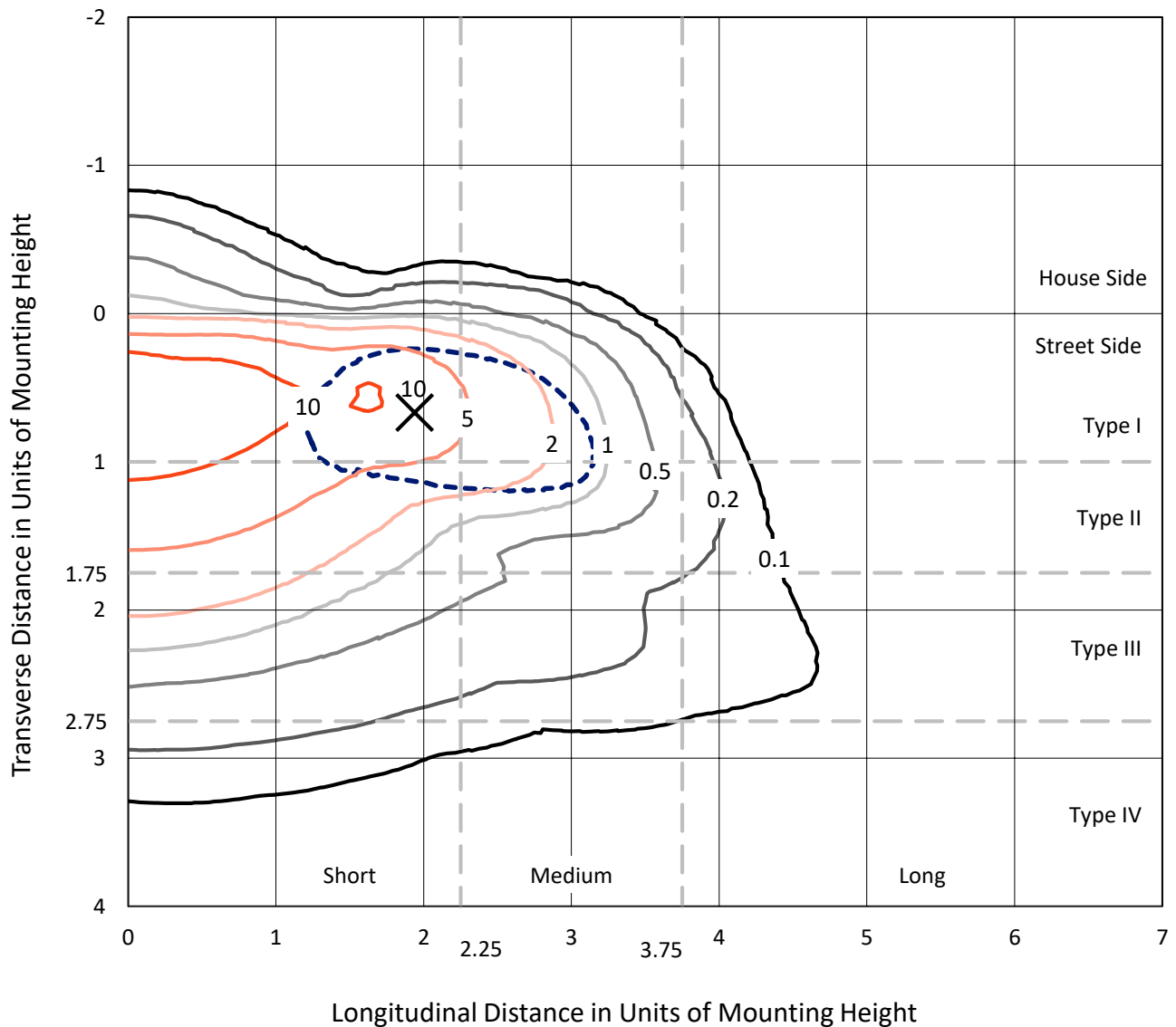
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

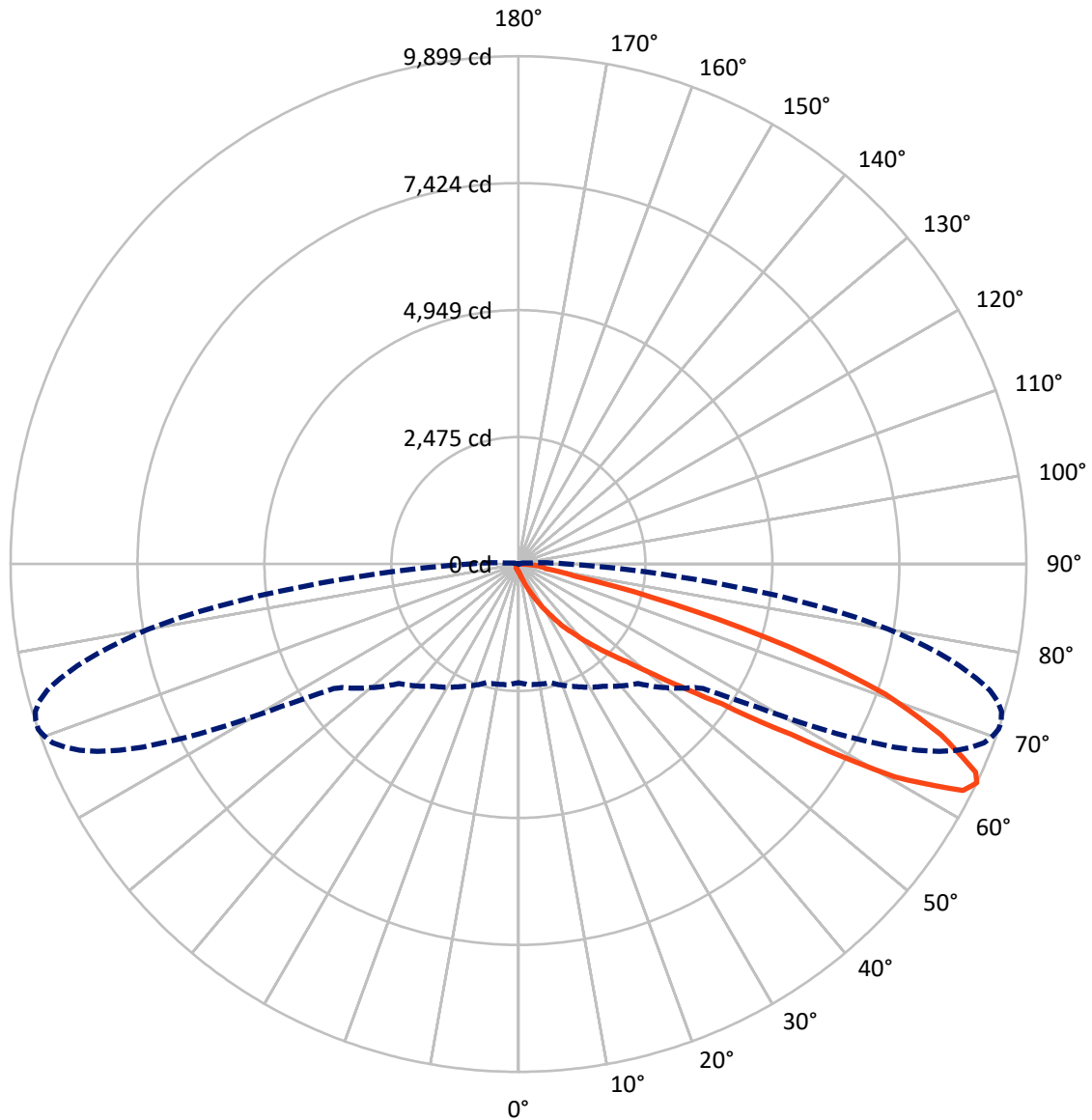
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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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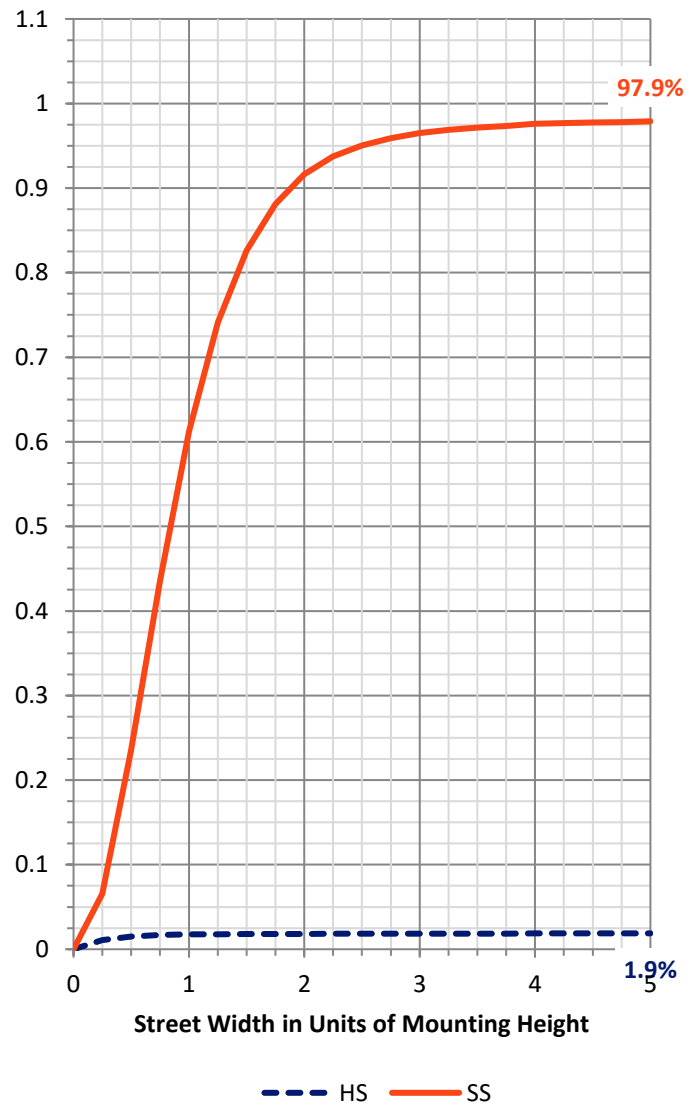
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	125.8	0.0	125.8
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	6446.6	0.0	6446.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	6572.4	0.0	6572.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	0.3
10°-20°	118.8	1.8
20°-30°	303.5	4.6
30°-40°	613.9	9.3
40°-50°	1122.2	17.1
50°-60°	1748.4	26.6
60°-70°	1943.4	29.6
70°-80°	633.8	9.6
80°-90°	68.2	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°	6572.4	100.0
0°-180°	6572.4	100.0



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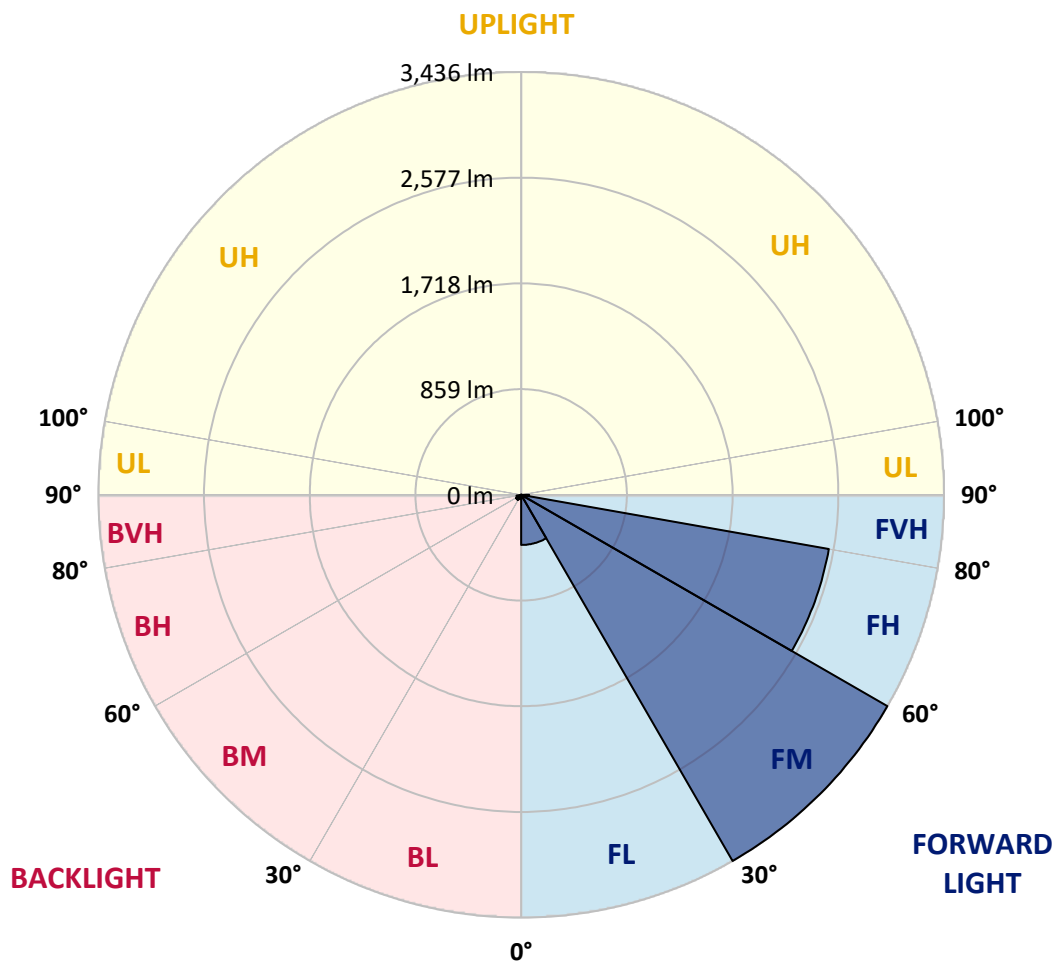
CATALOG NUMBER: AVM-E04-LED-E-U-T2-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.5	6.2			
FM	(30°-60°)	3435.9	52.3			
FH	(60°-80°)	2538.3	38.6			G2/5000
FVH	(80°-90°)	64.9	1.0			G1/100
BL	(0°-30°)	35.0	0.5	B0/110		
BM	(30°-60°)	48.7	0.7	B0/220		
BH	(60°-80°)	38.9	0.6	B0/110		G0/110
BVH	(80°-90°)	3.3	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°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	197.0	194.3	194.3	190.2	184.7	179.2	173.8	172.4	171.0	169.6	169.6
5°	309.2	298.3	294.2	279.1	259.9	236.7	216.2	210.7	210.7	206.6	203.9
7.5°	485.7	480.2	451.5	436.4	391.3	335.2	276.4	270.9	269.5	264.1	255.8
10°	711.4	700.5	680.0	636.2	554.1	457.0	373.5	359.8	350.2	339.3	328.4
12.5°	937.2	923.5	893.4	822.3	740.2	615.7	481.6	469.3	454.2	439.2	421.4
15°	1162.9	1153.3	1106.8	1035.7	929.0	779.8	610.2	588.3	576.0	545.9	532.2
17.5°	1358.6	1346.3	1309.3	1228.6	1117.8	953.6	752.5	725.1	704.6	686.8	654.0
20°	1528.2	1515.9	1480.3	1413.3	1288.8	1127.3	905.7	892.0	855.1	827.7	808.6
22.5°	1632.2	1628.1	1604.8	1540.5	1429.7	1286.1	1080.8	1058.9	1034.3	997.4	975.5
25°	1696.5	1692.4	1678.7	1633.6	1558.3	1453.0	1273.7	1246.4	1224.5	1191.7	1164.3
27.5°	1763.5	1760.8	1749.9	1710.2	1670.5	1604.8	1469.4	1454.3	1406.4	1387.3	1361.3
30°	1874.4	1862.0	1871.6	1852.5	1801.8	1760.8	1666.4	1644.5	1624.0	1591.1	1567.9
32.5°	2050.8	2030.3	2050.8	2030.3	2008.4	1959.2	1868.9	1862.0	1841.5	1821.0	1788.2
35°	2267.0	2258.8	2275.2	2293.0	2275.2	2209.5	2100.1	2079.6	2071.4	2038.5	2026.2
37.5°	2484.5	2499.6	2529.7	2569.4	2558.4	2510.5	2355.9	2336.8	2321.7	2293.0	2271.1
40°	2718.5	2719.9	2784.2	2841.6	2870.4	2841.6	2637.8	2622.7	2602.2	2561.2	2555.7
42.5°	2973.0	2962.0	3009.9	3074.2	3133.0	3172.7	3009.9	2981.2	2952.4	2905.9	2874.5
45°	3198.7	3198.7	3237.0	3297.2	3387.5	3487.4	3402.6	3372.5	3345.1	3306.8	3271.2
47.5°	3365.6	3367.0	3390.3	3477.8	3618.7	3767.9	3770.6	3776.1	3755.5	3710.4	3711.8
50°	3483.3	3468.2	3499.7	3584.5	3747.3	3981.3	4149.6	4159.1	4175.6	4138.6	4149.6
52.5°	3569.5	3562.6	3583.2	3654.3	3817.1	4103.1	4460.1	4501.2	4525.8	4531.3	4576.4
55°	3524.3	3528.4	3577.7	3680.3	3855.4	4183.8	4724.2	4791.2	4848.7	4897.9	4954.0
57.5°	3375.2	3387.5	3473.7	3633.8	3863.6	4249.4	5004.7	5107.3	5215.4	5346.7	5457.5
60°	3137.1	3165.9	3282.2	3506.5	3784.3	4163.3	5088.1	5245.5	5411.0	5610.7	5833.8
62.5°	2788.3	2793.7	2870.4	3087.9	3394.4	3704.9	4705.0	4906.2	5125.1	5413.7	5725.7
64°	2310.8	2360.0	2395.6	2635.0	2908.7	3295.9	4198.8	4338.4	4643.5	4997.8	5390.5
65°	1907.2	1966.0	1994.7	2234.2	2547.5	2916.9	3758.3	3907.4	4228.9	4588.7	5078.5
67.5°	1124.6	1084.9	1168.4	1309.3	1572.0	2009.8	2535.2	2648.7	2888.1	3316.4	3707.7
70°	725.1	725.1	801.7	945.4	1188.9	1524.1	1741.6	1693.8	1744.4	1909.9	2186.3
72.5°	465.2	489.8	536.3	658.1	883.8	1277.8	1780.0	1554.2	1436.5	1381.8	1379.1
75°	212.1	225.7	276.4	348.9	472.0	833.2	1795.0	1696.5	1588.4	1484.4	1403.7
77.5°	45.1	52.0	87.6	180.6	229.8	384.4	1273.7	1421.5	1539.2	1573.4	1573.4
80°	23.3	24.6	36.9	84.8	98.5	130.0	491.2	645.8	796.3	994.6	1202.6
82.5°	9.6	10.9	21.9	38.3	41.0	39.7	130.0	164.2	225.7	328.4	489.8
85°	2.7	2.7	9.6	15.0	21.9	17.8	28.7	32.8	42.4	61.6	117.7
87.5°	0.0	0.0	1.4	2.7	4.1	6.8	8.2	8.2	8.2	8.2	8.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	168.3	168.3	166.9	165.5	165.5	162.8	162.8	161.4	161.4	160.1	160.1
5°	202.5	199.7	197.0	192.9	191.5	188.8	186.1	183.3	180.6	179.2	176.5
7.5°	251.7	249.0	240.8	235.3	228.5	224.4	218.9	214.8	210.7	208.0	202.5
10°	317.4	307.8	303.7	284.6	280.5	270.9	262.7	257.2	246.3	239.4	232.6
12.5°	410.4	392.7	385.8	353.0	343.4	329.7	320.1	306.5	294.2	285.9	273.6
15°	515.8	502.1	476.1	443.3	425.5	410.4	387.2	376.2	359.8	342.0	324.2
17.5°	641.7	617.0	588.3	545.9	524.0	500.7	478.8	455.6	428.2	411.8	392.7
20°	788.0	762.1	726.5	673.1	647.1	623.9	585.6	569.1	536.3	503.5	478.8
22.5°	948.1	922.1	887.9	827.7	793.5	755.2	723.7	695.0	656.7	623.9	595.1
25°	1128.7	1098.6	1072.6	1002.8	960.4	920.8	886.6	835.9	803.1	764.8	725.1
27.5°	1333.9	1298.4	1264.2	1187.5	1147.9	1104.1	1063.0	1009.7	978.2	915.3	878.3
30°	1544.6	1500.9	1465.3	1387.3	1351.7	1306.6	1250.5	1202.6	1149.2	1106.8	1046.6
32.5°	1766.3	1730.7	1702.0	1619.9	1574.7	1518.6	1468.0	1417.4	1370.9	1302.5	1247.7
35°	2003.0	1971.5	1940.0	1868.9	1829.2	1786.8	1729.3	1667.8	1603.5	1532.3	1483.1
37.5°	2252.0	2227.3	2202.7	2116.5	2070.0	2024.8	1959.2	1897.6	1840.1	1764.9	1681.4
40°	2513.3	2490.0	2450.3	2379.2	2329.9	2288.9	2228.7	2171.2	2093.3	2009.8	1935.9
42.5°	2841.6	2791.0	2756.8	2678.8	2626.8	2581.7	2528.3	2442.1	2376.5	2276.6	2205.4
45°	3226.1	3178.2	3122.1	3042.7	2978.4	2904.6	2829.3	2770.5	2688.4	2598.1	2506.4
47.5°	3658.4	3620.1	3554.4	3476.4	3412.1	3338.3	3249.3	3174.1	3074.2	2968.9	2844.4
50°	4134.5	4094.8	4051.1	3963.5	3899.2	3829.4	3759.7	3670.7	3580.4	3454.6	3325.9
52.5°	4576.4	4584.6	4558.6	4517.6	4486.1	4413.6	4349.3	4264.5	4185.1	4070.2	3970.3
55°	5012.9	5084.0	5111.4	5151.0	5164.7	5105.9	5104.5	4980.0	4932.1	4865.1	4807.6
57.5°	5588.9	5746.2	5870.7	6111.5	6212.7	6315.3	6334.5	6246.9	6337.2	6220.9	6260.6
60°	6078.6	6367.3	6676.5	7299.0	7611.0	7846.3	8035.1	8174.6	8264.9	8418.2	8426.4
62.5°	6122.4	6576.7	7047.3	7955.7	8382.6	8739.7	9080.3	9318.4	9507.2	9681.0	9723.4
64°	5913.1	6475.4	7047.3	8145.9	8582.3	8979.1	9289.7	9526.4	9719.3	9827.4	9898.5
65°	5532.8	6162.1	6820.2	8020.0	8470.2	8891.5	9188.4	9426.5	9608.5	9716.5	9790.4
67.5°	4098.9	4707.8	5368.6	6765.5	7474.2	7860.0	8240.3	8574.1	8720.5	8857.3	8883.3
70°	2498.2	2940.1	3395.7	4691.4	5349.4	6043.1	6471.3	6959.7	7301.8	7512.5	7582.2
72.5°	1507.7	1660.9	1933.2	2629.6	3260.3	3747.3	4339.7	4806.3	5189.4	5401.4	5508.1
75°	1342.1	1323.0	1358.6	1648.6	1873.0	2165.8	2380.6	2673.3	2910.0	2983.9	3122.1
77.5°	1551.5	1496.7	1440.7	1385.9	1375.0	1347.6	1303.8	1314.8	1210.8	1110.9	1113.7
80°	1381.8	1513.2	1591.1	1533.7	1403.7	1272.4	1110.9	909.8	711.4	588.3	536.3
82.5°	693.6	986.4	1268.3	1547.4	1528.2	1411.9	1234.1	1013.8	785.3	603.4	481.6
85°	213.4	379.0	533.6	741.5	860.6	844.1	741.5	721.0	514.4	400.9	309.2
87.5°	9.6	9.6	9.6	8.2	9.6	9.6	9.6	10.9	10.9	12.3	12.3
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°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	160.1	158.7	157.3	156.0	156.0	156.0	154.6	154.6	153.2	153.2	151.9
5°	176.5	173.8	172.4	169.6	169.6	166.9	165.5	164.2	161.4	160.1	158.7
7.5°	198.4	195.6	191.5	187.4	186.1	182.0	177.9	175.1	172.4	169.6	166.9
10°	227.1	221.6	213.4	208.0	203.9	198.4	192.9	188.8	183.3	177.9	175.1
12.5°	264.1	253.1	244.9	235.3	227.1	218.9	209.3	203.9	198.4	190.2	184.7
15°	306.5	295.5	285.9	269.5	255.8	244.9	236.7	224.4	214.8	203.9	195.6
17.5°	379.0	350.2	331.1	314.7	301.0	280.5	264.1	250.4	238.1	224.4	214.8
20°	450.1	425.5	399.5	380.3	350.2	332.5	310.6	291.4	269.5	253.1	236.7
22.5°	554.1	522.6	489.8	461.1	420.0	395.4	366.7	342.0	314.7	287.3	269.5
25°	685.4	638.9	595.1	554.1	515.8	478.8	441.9	402.2	373.5	340.7	310.6
27.5°	823.6	771.6	729.2	675.9	626.6	581.5	534.9	492.5	443.3	400.9	365.3
30°	997.4	926.2	877.0	812.7	763.4	700.5	643.0	586.9	526.7	477.5	426.9
32.5°	1173.9	1126.0	1042.5	987.8	913.9	838.7	778.5	714.2	640.3	576.0	514.4
35°	1406.4	1324.4	1254.6	1178.0	1097.2	1019.3	941.3	849.6	774.4	695.0	619.8
37.5°	1611.7	1528.2	1447.5	1347.6	1256.0	1173.9	1079.5	983.7	894.8	800.4	710.1
40°	1849.7	1745.7	1650.0	1556.9	1443.4	1346.3	1247.7	1128.7	1026.1	922.1	815.4
42.5°	2109.7	2004.3	1890.8	1784.1	1659.6	1540.5	1418.8	1299.7	1184.8	1058.9	934.4
45°	2394.2	2283.4	2156.2	2034.4	1899.0	1767.6	1622.6	1485.8	1350.4	1209.4	1065.8
47.5°	2747.2	2604.9	2487.3	2335.4	2167.1	2029.0	1851.1	1695.1	1540.5	1376.3	1214.9
50°	3204.2	3042.7	2873.1	2704.8	2518.7	2343.6	2146.6	1961.9	1755.3	1572.0	1387.3
52.5°	3810.3	3689.9	3492.9	3300.0	3072.8	2849.8	2578.9	2339.5	2074.1	1840.1	1614.4
55°	4670.8	4591.5	4420.5	4209.8	4011.4	3685.8	3373.8	3001.7	2656.9	2320.4	2003.0
57.5°	6229.1	6143.0	5952.8	5902.2	5597.1	5357.6	4992.3	4510.8	3926.6	3412.1	2899.1
60°	8472.9	8304.6	8118.5	8084.3	7725.9	7474.2	7111.6	6598.5	6048.5	5227.7	4528.5
62.5°	9726.1	9675.5	9525.0	9340.3	9029.7	8656.2	8248.5	7751.9	7193.7	6474.0	5642.2
64°	9894.4	9847.9	9717.9	9509.9	9198.0	8827.2	8375.8	7880.5	7320.9	6664.2	5904.9
65°	9789.0	9723.4	9612.6	9421.0	9131.0	8775.3	8321.0	7818.9	7251.1	6619.1	5913.1
67.5°	8939.4	8909.3	8808.1	8630.2	8448.3	8128.1	7728.6	7279.9	6816.1	6189.5	5610.7
70°	7590.4	7568.6	7439.9	7368.8	7067.8	6865.3	6542.4	6189.5	5779.0	5342.6	4850.1
72.5°	5627.2	5553.3	5449.3	5341.2	5137.4	4859.6	4607.9	4231.7	4019.6	3651.6	3373.8
75°	2983.9	2937.4	2776.0	2550.2	2298.5	2168.5	1907.2	1673.2	1487.2	1403.7	1202.6
77.5°	1031.6	939.9	849.6	748.4	593.8	467.9	373.5	298.3	235.3	208.0	173.8
80°	514.4	488.4	459.7	402.2	337.9	272.3	213.4	168.3	138.2	117.7	105.3
82.5°	417.3	369.4	329.7	288.7	231.2	190.2	150.5	123.1	101.2	88.9	78.0
85°	246.3	188.8	143.7	130.0	101.2	87.6	75.2	64.3	54.7	52.0	47.9
87.5°	9.6	12.3	12.3	9.6	12.3	10.9	10.9	9.6	9.6	9.6	9.6
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	151.9	150.5	150.5	149.1	147.8	147.8	147.8	146.4	143.7	138.2	134.1
5°	157.3	156.0	154.6	151.9	150.5	149.1	147.8	147.8	140.9	131.3	124.5
7.5°	164.2	161.4	158.7	156.0	154.6	151.9	149.1	147.8	138.2	125.9	119.0
10°	171.0	166.9	162.8	161.4	157.3	154.6	150.5	147.8	136.8	121.8	112.2
12.5°	179.2	173.8	168.3	164.2	158.7	156.0	151.9	147.8	134.1	117.7	106.7
15°	188.8	180.6	173.8	169.6	164.2	157.3	151.9	147.8	131.3	113.6	101.2
17.5°	201.1	191.5	183.3	175.1	166.9	160.1	154.6	149.1	127.2	108.1	94.4
20°	220.3	208.0	194.3	184.7	173.8	165.5	156.0	149.1	124.5	102.6	88.9
22.5°	246.3	227.1	212.1	195.6	182.0	171.0	160.1	151.9	120.4	97.1	82.1
25°	283.2	258.6	234.0	213.4	195.6	180.6	166.9	156.0	117.7	93.0	78.0
27.5°	324.2	295.5	262.7	238.1	213.4	191.5	176.5	162.8	117.7	90.3	73.9
30°	381.7	340.7	301.0	269.5	236.7	212.1	190.2	172.4	117.7	88.9	69.8
32.5°	451.5	405.0	354.3	309.2	270.9	235.3	208.0	184.7	120.4	86.2	67.0
35°	548.6	480.2	420.0	363.9	313.3	272.3	236.7	205.2	124.5	84.8	62.9
37.5°	625.2	543.2	466.5	402.2	343.4	292.8	247.6	213.4	120.4	79.4	58.8
40°	716.9	623.9	530.8	450.1	383.1	317.4	265.4	224.4	117.7	72.5	53.4
42.5°	827.7	711.4	603.4	511.7	428.2	350.2	288.7	238.1	117.7	68.4	49.3
45°	931.7	804.5	684.1	569.1	472.0	385.8	310.6	253.1	116.3	64.3	43.8
47.5°	1060.3	909.8	768.9	636.2	524.0	418.7	333.8	266.8	114.9	60.2	39.7
50°	1212.2	1028.8	870.1	711.4	574.6	458.3	361.2	281.8	112.2	56.1	35.6
52.5°	1380.5	1183.4	981.0	797.6	637.6	500.7	387.2	295.5	108.1	52.0	31.5
55°	1678.7	1407.8	1168.4	941.3	733.3	563.7	425.5	316.0	104.0	47.9	27.4
57.5°	2394.2	1945.5	1606.2	1264.2	965.9	723.7	529.5	374.9	98.5	42.4	21.9
60°	3759.7	3019.5	2443.5	1916.8	1461.2	1110.9	779.8	554.1	105.3	35.6	19.2
62.5°	4822.7	3971.7	3238.4	2577.6	2001.6	1521.4	1135.6	827.7	151.9	31.5	15.0
64°	5100.4	4238.5	3455.9	2763.6	2164.4	1669.1	1266.9	935.8	195.6	31.5	13.7
65°	5141.5	4320.6	3533.9	2832.1	2220.5	1708.8	1305.2	971.4	213.4	32.8	12.3
67.5°	4971.8	4272.7	3557.2	2860.8	2262.9	1763.5	1357.2	1027.5	240.8	31.5	9.6
70°	4342.5	3828.1	3239.8	2676.1	2134.3	1676.0	1305.2	996.0	251.7	30.1	8.2
72.5°	2955.2	2600.8	2253.3	1853.8	1485.8	1224.5	952.2	701.9	176.5	24.6	6.8
75°	985.1	960.4	859.2	651.2	547.3	444.6	355.7	273.6	67.0	15.0	6.8
77.5°	164.2	140.9	123.1	117.7	98.5	95.8	83.5	67.0	28.7	9.6	6.8
80°	95.8	87.6	76.6	68.4	60.2	53.4	45.1	38.3	17.8	6.8	8.2
82.5°	71.1	62.9	56.1	49.3	42.4	36.9	31.5	26.0	9.6	6.8	8.2
85°	41.0	35.6	31.5	27.4	21.9	19.2	16.4	13.7	6.8	6.8	6.8
87.5°	8.2	8.2	6.8	6.8	6.8	6.8	6.8	5.5	6.8	6.8	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):

	125°	135°	145°	155°	165°	175°	180°
0°	146.4	146.4	146.4	146.4	146.4	146.4	146.4
2.5°	131.3	127.2	125.9	125.9	125.9	125.9	125.9
5°	120.4	116.3	113.6	112.2	112.2	112.2	112.2
7.5°	112.2	106.7	104.0	101.2	101.2	99.9	99.9
10°	104.0	98.5	94.4	91.7	90.3	90.3	90.3
12.5°	97.1	91.7	86.2	83.5	83.5	82.1	82.1
15°	91.7	83.5	79.4	76.6	76.6	75.2	75.2
17.5°	84.8	78.0	73.9	71.1	69.8	69.8	69.8
20°	78.0	71.1	67.0	65.7	64.3	64.3	62.9
22.5°	72.5	65.7	61.6	60.2	58.8	58.8	57.5
25°	67.0	60.2	56.1	54.7	53.4	52.0	52.0
27.5°	62.9	56.1	52.0	49.3	47.9	46.5	46.5
30°	58.8	50.6	46.5	43.8	42.4	41.0	41.0
32.5°	54.7	46.5	41.0	38.3	36.9	35.6	35.6
35°	49.3	41.0	35.6	34.2	32.8	31.5	30.1
37.5°	45.1	35.6	31.5	28.7	27.4	26.0	26.0
40°	39.7	31.5	27.4	24.6	21.9	20.5	20.5
42.5°	35.6	27.4	23.3	19.2	17.8	16.4	16.4
45°	31.5	24.6	19.2	15.0	13.7	12.3	12.3
47.5°	27.4	20.5	15.0	12.3	10.9	9.6	9.6
50°	23.3	16.4	10.9	8.2	9.6	8.2	8.2
52.5°	20.5	12.3	8.2	8.2	8.2	8.2	8.2
55°	16.4	9.6	6.8	6.8	8.2	8.2	8.2
57.5°	13.7	6.8	5.5	6.8	6.8	6.8	6.8
60°	9.6	5.5	5.5	6.8	6.8	6.8	6.8
62.5°	8.2	5.5	5.5	5.5	6.8	6.8	6.8
64°	6.8	5.5	5.5	5.5	6.8	6.8	6.8
65°	6.8	5.5	5.5	5.5	6.8	6.8	6.8
67.5°	6.8	5.5	5.5	5.5	6.8	6.8	6.8
70°	5.5	5.5	5.5	5.5	6.8	6.8	6.8
72.5°	5.5	5.5	5.5	5.5	6.8	6.8	6.8
75°	5.5	5.5	5.5	5.5	6.8	6.8	6.8
77.5°	5.5	5.5	5.5	6.8	6.8	6.8	6.8
80°	5.5	5.5	5.5	6.8	6.8	6.8	6.8
82.5°	5.5	5.5	5.5	6.8	6.8	6.8	6.8
85°	5.5	5.5	5.5	6.8	6.8	6.8	6.8
87.5°	5.5	5.5	5.5	6.8	6.8	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)