

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: P154217

Luminaire Tested: **AVM-F03-LED-E-U-T2-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154217
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-F03-LED-E-U-T2-HSS-7060
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4069.3 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

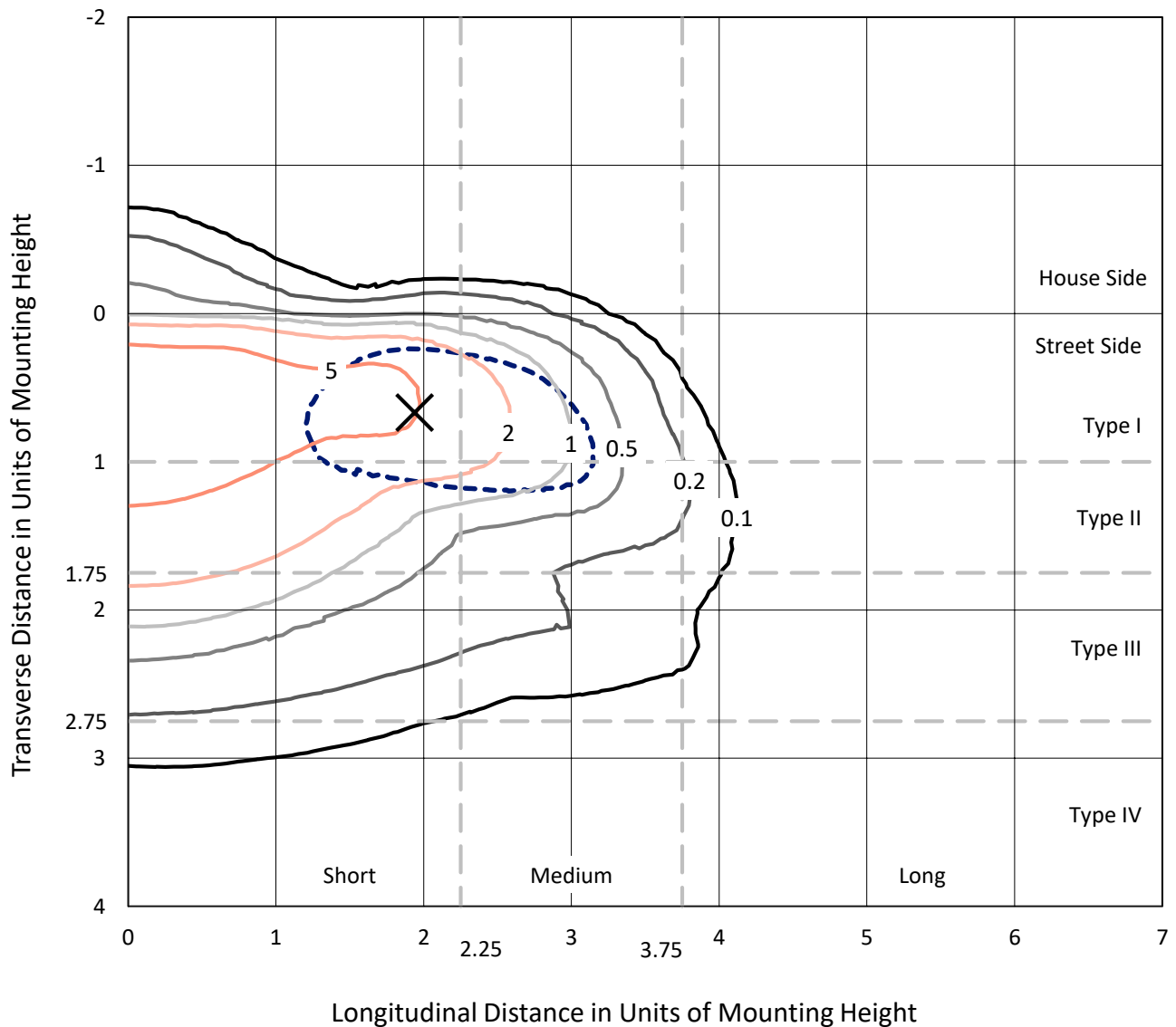
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

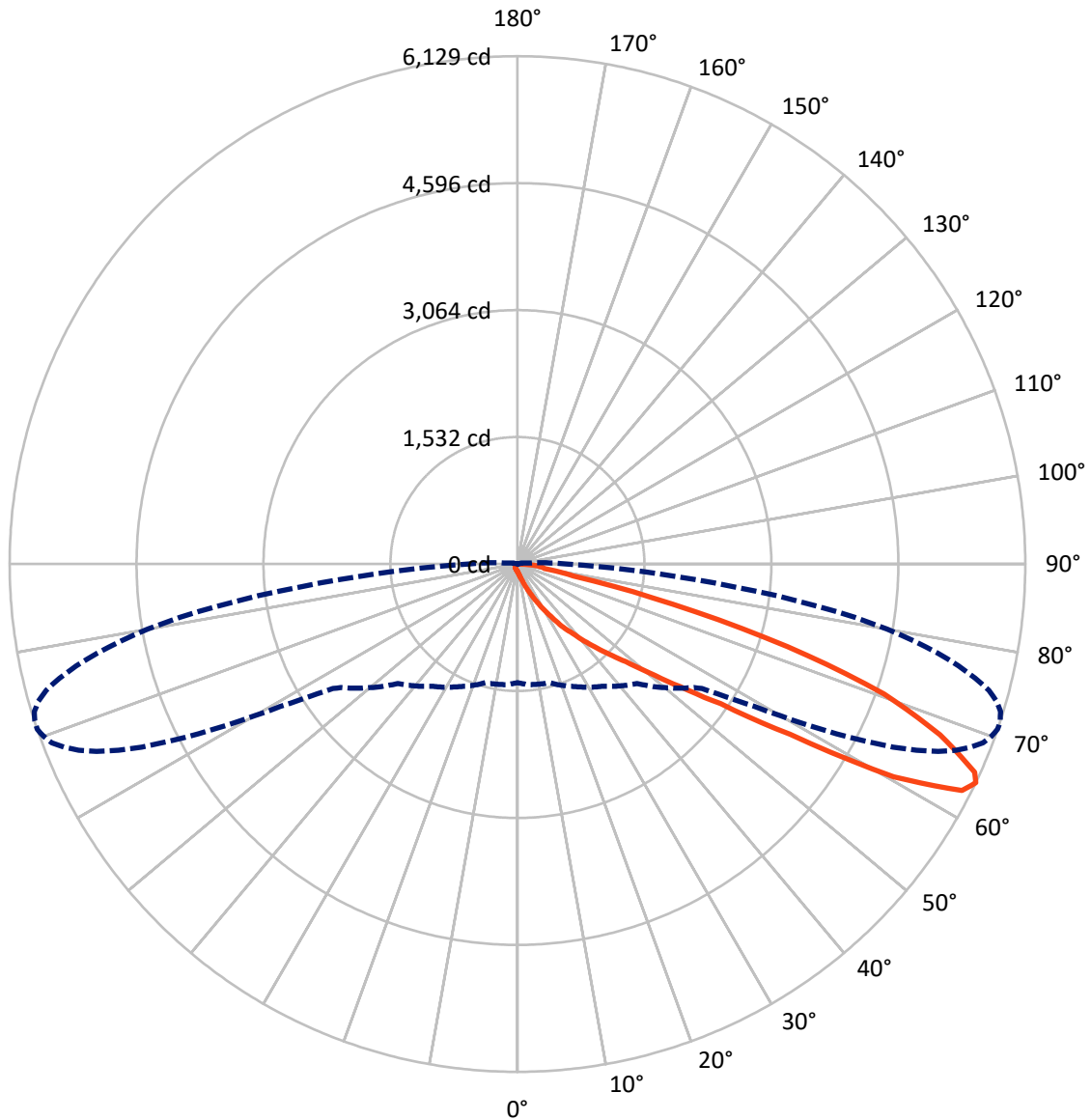
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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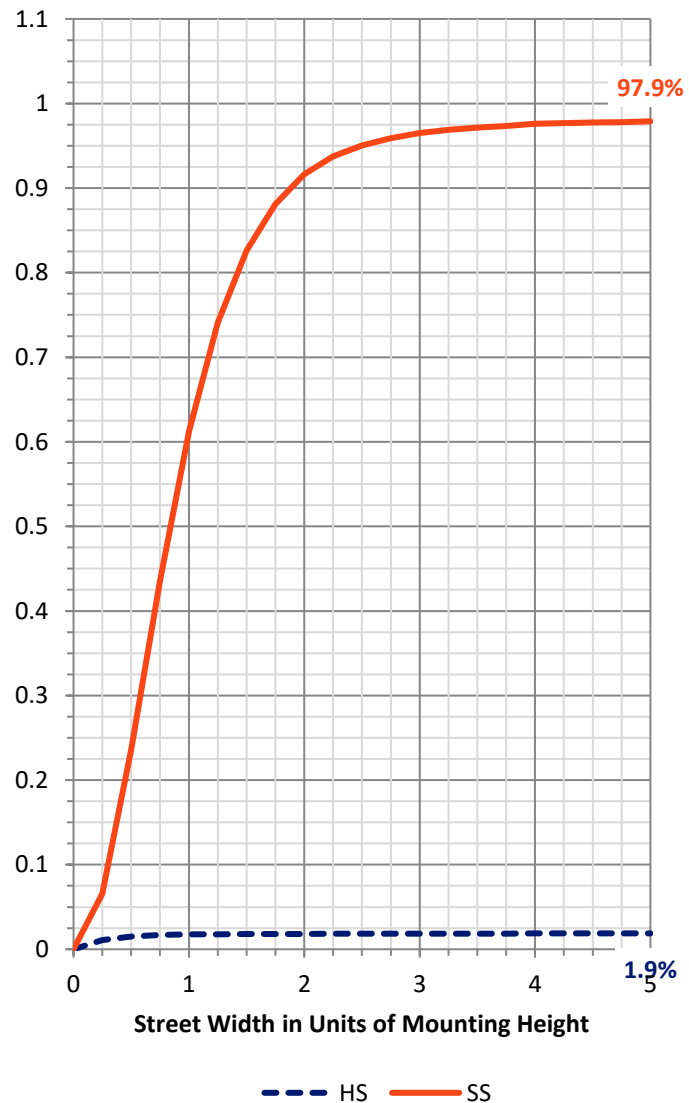
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.9	0.0	77.9
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3991.4	0.0	3991.4
	% Fixture	98.1	0.0	98.1
Total	Lumens	4069.3	0.0	4069.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.3
10°-20°	73.6	1.8
20°-30°	187.9	4.6
30°-40°	380.1	9.3
40°-50°	694.8	17.1
50°-60°	1082.5	26.6
60°-70°	1203.2	29.6
70°-80°	392.4	9.6
80°-90°	42.2	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°	4069.3	100.0
0°-180°	4069.3	100.0



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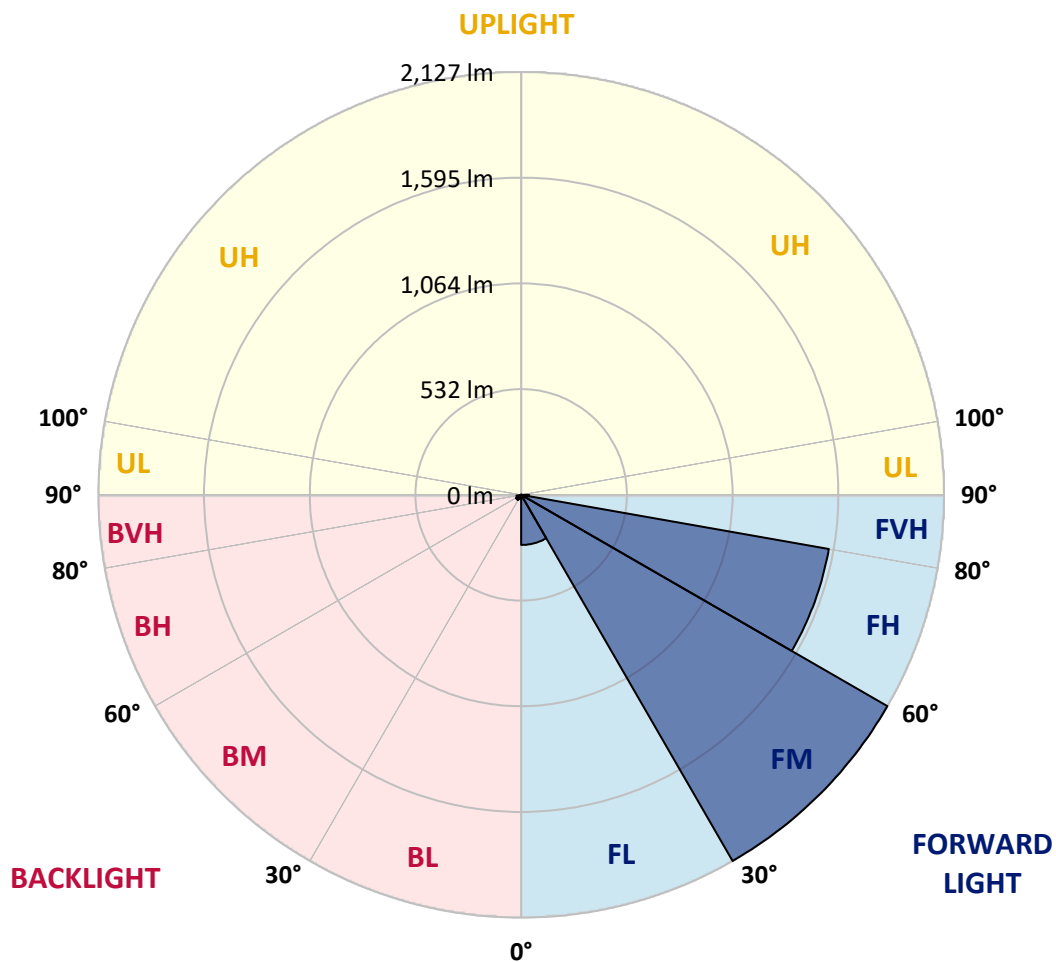
CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.3	6.2			
FM	(30°-60°)	2127.3	52.3			
FH	(60°-80°)	1571.6	38.6			G1/1800
FVH	(80°-90°)	40.2	1.0			G1/100
BL	(0°-30°)	21.7	0.5	B0/110		
BM	(30°-60°)	30.1	0.7	B0/220		
BH	(60°-80°)	24.0	0.6	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	122.0	120.3	120.3	117.7	114.4	111.0	107.6	106.7	105.9	105.0	105.0
5°	191.4	184.7	182.1	172.8	160.9	146.5	133.8	130.4	130.4	127.9	126.2
7.5°	300.7	297.3	279.5	270.2	242.3	207.5	171.1	167.7	166.9	163.5	158.4
10°	440.5	433.7	421.0	393.9	343.1	282.9	231.3	222.8	216.9	210.1	203.3
12.5°	580.2	571.8	553.1	509.1	458.3	381.2	298.2	290.5	281.2	271.9	260.9
15°	720.0	714.1	685.3	641.2	575.2	482.8	377.8	364.2	356.6	338.0	329.5
17.5°	841.1	833.5	810.7	760.7	692.1	590.4	465.9	449.0	436.2	425.2	404.9
20°	946.2	938.6	916.5	875.0	797.9	698.0	560.8	552.3	529.4	512.5	500.6
22.5°	1010.6	1008.0	993.6	953.8	885.2	796.3	669.2	655.6	640.4	617.5	604.0
25°	1050.4	1047.8	1039.4	1011.4	964.8	899.6	788.6	771.7	758.1	737.8	720.9
27.5°	1091.9	1090.2	1083.4	1058.8	1034.3	993.6	909.8	900.4	870.8	858.9	842.8
30°	1160.5	1152.9	1158.8	1146.9	1115.6	1090.2	1031.7	1018.2	1005.5	985.1	970.7
32.5°	1269.8	1257.1	1269.8	1257.1	1243.5	1213.0	1157.1	1152.9	1140.2	1127.5	1107.1
35°	1403.6	1398.5	1408.7	1419.7	1408.7	1368.0	1300.3	1287.6	1282.5	1262.1	1254.5
37.5°	1538.3	1547.6	1566.2	1590.8	1584.0	1554.4	1458.7	1446.8	1437.5	1419.7	1406.1
40°	1683.1	1684.0	1723.8	1759.4	1777.2	1759.4	1633.2	1623.8	1611.1	1585.7	1582.3
42.5°	1840.7	1833.9	1863.6	1903.4	1939.8	1964.4	1863.6	1845.8	1828.0	1799.2	1779.7
45°	1980.5	1980.5	2004.2	2041.5	2097.4	2159.2	2106.7	2088.0	2071.1	2047.4	2025.4
47.5°	2083.8	2084.7	2099.1	2153.3	2240.5	2332.8	2334.5	2337.9	2325.2	2297.3	2298.1
50°	2156.7	2147.3	2166.8	2219.3	2320.1	2465.0	2569.2	2575.1	2585.3	2562.4	2569.2
52.5°	2210.0	2205.8	2218.5	2262.5	2363.3	2540.4	2761.5	2786.9	2802.1	2805.5	2833.5
55°	2182.1	2184.6	2215.1	2278.6	2387.1	2590.4	2925.0	2966.5	3002.0	3032.5	3067.3
57.5°	2089.7	2097.4	2150.7	2249.8	2392.1	2631.0	3098.6	3162.1	3229.1	3310.4	3379.0
60°	1942.3	1960.1	2032.1	2171.1	2343.0	2577.7	3150.3	3247.7	3350.2	3473.9	3611.9
62.5°	1726.3	1729.7	1777.2	1911.8	2101.6	2293.9	2913.1	3037.6	3173.1	3351.9	3545.0
64°	1430.7	1461.2	1483.2	1631.5	1800.9	2040.6	2599.7	2686.1	2875.0	3094.4	3337.5
65°	1180.8	1217.2	1235.0	1383.3	1577.3	1806.0	2326.9	2419.2	2618.3	2841.1	3144.3
67.5°	696.3	671.7	723.4	810.7	973.3	1244.4	1569.6	1639.9	1788.2	2053.3	2295.6
70°	449.0	449.0	496.4	585.3	736.1	943.6	1078.3	1048.7	1080.0	1182.5	1353.6
72.5°	288.0	303.3	332.1	407.4	547.2	791.2	1102.0	962.3	889.4	855.5	853.9
75°	131.3	139.8	171.1	216.0	292.2	515.9	1111.4	1050.4	983.5	919.1	869.1
77.5°	28.0	32.2	54.2	111.8	142.3	238.0	788.6	880.1	953.0	974.1	974.1
80°	14.4	15.2	22.9	52.5	61.0	80.5	304.1	399.8	493.0	615.8	744.6
82.5°	5.9	6.8	13.6	23.7	25.4	24.6	80.5	101.6	139.8	203.3	303.3
85°	1.7	1.7	5.9	9.3	13.6	11.0	17.8	20.3	26.3	38.1	72.8
87.5°	0.0	0.0	0.8	1.7	2.5	4.2	5.1	5.1	5.1	5.1	5.1
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°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	104.2	104.2	103.3	102.5	102.5	100.8	100.8	100.0	100.0	99.1	99.1
5°	125.4	123.7	122.0	119.4	118.6	116.9	115.2	113.5	111.8	111.0	109.3
7.5°	155.9	154.2	149.1	145.7	141.5	138.9	135.5	133.0	130.4	128.8	125.4
10°	196.5	190.6	188.1	176.2	173.7	167.7	162.6	159.3	152.5	148.2	144.0
12.5°	254.1	243.1	238.9	218.5	212.6	204.1	198.2	189.7	182.1	177.0	169.4
15°	319.3	310.9	294.8	274.5	263.4	254.1	239.7	232.9	222.8	211.8	200.8
17.5°	397.3	382.0	364.2	338.0	324.4	310.0	296.5	282.1	265.1	255.0	243.1
20°	487.9	471.8	449.8	416.8	400.7	386.3	362.5	352.4	332.1	311.7	296.5
22.5°	587.0	570.9	549.8	512.5	491.3	467.6	448.1	430.3	406.6	386.3	368.5
25°	698.8	680.2	664.1	620.9	594.6	570.1	548.9	517.6	497.2	473.5	449.0
27.5°	825.9	803.9	782.7	735.3	710.7	683.6	658.2	625.1	605.7	566.7	543.8
30°	956.3	929.2	907.2	858.9	836.9	809.0	774.2	744.6	711.5	685.3	648.0
32.5°	1093.6	1071.6	1053.8	1002.9	975.0	940.3	908.9	877.6	848.8	806.4	772.5
35°	1240.1	1220.6	1201.2	1157.1	1132.5	1106.3	1070.7	1032.6	992.8	948.7	918.2
37.5°	1394.3	1379.0	1363.8	1310.4	1281.6	1253.7	1213.0	1174.9	1139.3	1092.7	1041.1
40°	1556.1	1541.7	1517.1	1473.1	1442.6	1417.2	1379.9	1344.3	1296.0	1244.4	1198.6
42.5°	1759.4	1728.0	1706.9	1658.6	1626.4	1598.4	1565.4	1512.0	1471.4	1409.5	1365.5
45°	1997.4	1967.8	1933.0	1883.9	1844.1	1798.3	1751.8	1715.3	1664.5	1608.6	1551.8
47.5°	2265.1	2241.4	2200.7	2152.4	2112.6	2066.9	2011.8	1965.2	1903.4	1838.2	1761.1
50°	2559.9	2535.3	2508.2	2454.0	2414.2	2371.0	2327.8	2272.7	2216.8	2138.9	2059.2
52.5°	2833.5	2838.6	2822.5	2797.0	2777.6	2732.7	2692.9	2640.3	2591.2	2520.0	2458.2
55°	3103.7	3147.7	3164.7	3189.2	3197.7	3161.3	3160.4	3083.4	3053.7	3012.2	2976.6
57.5°	3460.3	3557.7	3634.8	3783.9	3846.6	3910.1	3922.0	3867.7	3923.7	3851.7	3876.2
60°	3763.6	3942.3	4133.7	4519.1	4712.3	4858.0	4974.9	5061.3	5117.2	5212.1	5217.1
62.5°	3790.7	4071.9	4363.3	4925.7	5190.0	5411.1	5622.0	5769.4	5886.3	5993.9	6020.2
64°	3661.1	4009.2	4363.3	5043.5	5313.7	5559.4	5751.6	5898.2	6017.6	6084.5	6128.6
65°	3425.6	3815.2	4222.7	4965.6	5244.2	5505.1	5689.0	5836.4	5949.0	6015.9	6061.7
67.5°	2537.8	2914.8	3323.9	4188.8	4627.6	4866.4	5101.9	5308.6	5399.3	5484.0	5500.1
70°	1546.8	1820.4	2102.4	2904.6	3312.1	3741.5	4006.7	4309.1	4520.8	4651.3	4694.5
72.5°	933.5	1028.3	1196.9	1628.1	2018.6	2320.1	2686.9	2975.8	3213.0	3344.3	3410.3
75°	831.0	819.1	841.1	1020.7	1159.6	1340.9	1473.9	1655.2	1801.7	1847.5	1933.0
77.5°	960.6	926.7	892.0	858.1	851.3	834.4	807.3	814.0	749.7	687.8	689.5
80°	855.5	936.9	985.1	949.6	869.1	787.8	687.8	563.3	440.5	364.2	332.1
82.5°	429.5	610.7	785.2	958.0	946.2	874.2	764.1	627.7	486.2	373.6	298.2
85°	132.1	234.6	330.4	459.1	532.8	522.6	459.1	446.4	318.5	248.2	191.4
87.5°	5.9	5.9	5.9	5.1	5.9	5.9	5.9	6.8	6.8	7.6	7.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	99.1	98.3	97.4	96.6	96.6	96.6	95.7	95.7	94.9	94.9	94.0
5°	109.3	107.6	106.7	105.0	105.0	103.3	102.5	101.6	100.0	99.1	98.3
7.5°	122.8	121.1	118.6	116.0	115.2	112.7	110.1	108.4	106.7	105.0	103.3
10°	140.6	137.2	132.1	128.8	126.2	122.8	119.4	116.9	113.5	110.1	108.4
12.5°	163.5	156.7	151.6	145.7	140.6	135.5	129.6	126.2	122.8	117.7	114.4
15°	189.7	183.0	177.0	166.9	158.4	151.6	146.5	138.9	133.0	126.2	121.1
17.5°	234.6	216.9	205.0	194.8	186.4	173.7	163.5	155.0	147.4	138.9	133.0
20°	278.7	263.4	247.3	235.5	216.9	205.8	192.3	180.4	166.9	156.7	146.5
22.5°	343.1	323.6	303.3	285.5	260.1	244.8	227.0	211.8	194.8	177.9	166.9
25°	424.4	395.6	368.5	343.1	319.3	296.5	273.6	249.0	231.3	210.9	192.3
27.5°	509.9	477.8	451.5	418.5	388.0	360.0	331.2	304.9	274.5	248.2	226.2
30°	617.5	573.5	543.0	503.2	472.7	433.7	398.1	363.4	326.1	295.6	264.3
32.5°	726.8	697.1	645.5	611.6	565.8	519.3	482.0	442.2	396.4	356.6	318.5
35°	870.8	820.0	776.8	729.3	679.4	631.1	582.8	526.0	479.4	430.3	383.7
37.5°	997.9	946.2	896.2	834.4	777.6	726.8	668.3	609.0	554.0	495.5	439.6
40°	1145.2	1080.9	1021.6	964.0	893.7	833.5	772.5	698.8	635.3	570.9	504.9
42.5°	1306.2	1241.0	1170.7	1104.6	1027.5	953.8	878.4	804.7	733.6	655.6	578.6
45°	1482.4	1413.8	1335.0	1259.6	1175.7	1094.4	1004.6	919.9	836.1	748.8	659.9
47.5°	1700.9	1612.8	1540.0	1446.0	1341.8	1256.2	1146.1	1049.5	953.8	852.2	752.2
50°	1983.9	1883.9	1778.9	1674.7	1559.5	1451.0	1329.1	1214.7	1086.8	973.3	858.9
52.5°	2359.1	2284.6	2162.6	2043.1	1902.5	1764.5	1596.7	1448.5	1284.2	1139.3	999.5
55°	2891.9	2842.8	2736.9	2606.5	2483.6	2282.0	2088.9	1858.5	1645.0	1436.6	1240.1
57.5°	3856.7	3803.4	3685.6	3654.3	3465.4	3317.1	3091.0	2792.8	2431.1	2112.6	1795.0
60°	5245.9	5141.7	5026.5	5005.4	4783.4	4627.6	4403.1	4085.4	3744.9	3236.7	2803.8
62.5°	6021.9	5990.5	5897.3	5783.0	5590.7	5359.4	5107.0	4799.5	4453.9	4008.4	3493.3
64°	6126.1	6097.3	6016.8	5888.0	5694.9	5465.3	5185.8	4879.2	4532.7	4126.1	3656.0
65°	6060.8	6020.2	5951.6	5833.0	5653.4	5433.1	5151.9	4841.0	4489.5	4098.2	3661.1
67.5°	5534.8	5516.2	5453.5	5343.4	5230.7	5032.5	4785.1	4507.3	4220.1	3832.2	3473.9
70°	4699.6	4686.0	4606.4	4562.3	4376.0	4250.6	4050.7	3832.2	3578.0	3307.8	3002.9
72.5°	3484.0	3438.3	3373.9	3307.0	3180.8	3008.8	2853.0	2620.0	2488.7	2260.8	2088.9
75°	1847.5	1818.7	1718.7	1578.9	1423.1	1342.6	1180.8	1036.0	920.8	869.1	744.6
77.5°	638.7	581.9	526.0	463.4	367.6	289.7	231.3	184.7	145.7	128.8	107.6
80°	318.5	302.4	284.6	249.0	209.2	168.6	132.1	104.2	85.6	72.8	65.2
82.5°	258.4	228.7	204.1	178.7	143.2	117.7	93.2	76.2	62.7	55.1	48.3
85°	152.5	116.9	88.9	80.5	62.7	54.2	46.6	39.8	33.9	32.2	29.6
87.5°	5.9	7.6	7.6	5.9	7.6	6.8	6.8	5.9	5.9	5.9	5.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	94.0	93.2	93.2	92.3	91.5	91.5	91.5	90.6	88.9	85.6	83.0
5°	97.4	96.6	95.7	94.0	93.2	92.3	91.5	91.5	87.2	81.3	77.1
7.5°	101.6	100.0	98.3	96.6	95.7	94.0	92.3	91.5	85.6	77.9	73.7
10°	105.9	103.3	100.8	100.0	97.4	95.7	93.2	91.5	84.7	75.4	69.5
12.5°	111.0	107.6	104.2	101.6	98.3	96.6	94.0	91.5	83.0	72.8	66.1
15°	116.9	111.8	107.6	105.0	101.6	97.4	94.0	91.5	81.3	70.3	62.7
17.5°	124.5	118.6	113.5	108.4	103.3	99.1	95.7	92.3	78.8	66.9	58.4
20°	136.4	128.8	120.3	114.4	107.6	102.5	96.6	92.3	77.1	63.5	55.1
22.5°	152.5	140.6	131.3	121.1	112.7	105.9	99.1	94.0	74.5	60.1	50.8
25°	175.3	160.1	144.8	132.1	121.1	111.8	103.3	96.6	72.8	57.6	48.3
27.5°	200.8	183.0	162.6	147.4	132.1	118.6	109.3	100.8	72.8	55.9	45.7
30°	236.3	210.9	186.4	166.9	146.5	131.3	117.7	106.7	72.8	55.1	43.2
32.5°	279.5	250.7	219.4	191.4	167.7	145.7	128.8	114.4	74.5	53.4	41.5
35°	339.7	297.3	260.1	225.3	194.0	168.6	146.5	127.1	77.1	52.5	39.0
37.5°	387.1	336.3	288.9	249.0	212.6	181.3	153.3	132.1	74.5	49.1	36.4
40°	443.9	386.3	328.7	278.7	237.2	196.5	164.3	138.9	72.8	44.9	33.0
42.5°	512.5	440.5	373.6	316.8	265.1	216.9	178.7	147.4	72.8	42.4	30.5
45°	576.9	498.1	423.5	352.4	292.2	238.9	192.3	156.7	72.0	39.8	27.1
47.5°	656.5	563.3	476.1	393.9	324.4	259.2	206.7	165.2	71.2	37.3	24.6
50°	750.5	637.0	538.7	440.5	355.8	283.8	223.6	174.5	69.5	34.7	22.0
52.5°	854.7	732.7	607.4	493.8	394.7	310.0	239.7	183.0	66.9	32.2	19.5
55°	1039.4	871.6	723.4	582.8	454.0	349.0	263.4	195.7	64.4	29.6	16.9
57.5°	1482.4	1204.5	994.5	782.7	598.0	448.1	327.8	232.1	61.0	26.3	13.6
60°	2327.8	1869.5	1512.9	1186.8	904.7	687.8	482.8	343.1	65.2	22.0	11.9
62.5°	2985.9	2459.1	2005.0	1595.9	1239.3	941.9	703.1	512.5	94.0	19.5	9.3
64°	3157.9	2624.2	2139.7	1711.1	1340.1	1033.4	784.4	579.4	121.1	19.5	8.5
65°	3183.3	2675.1	2188.0	1753.4	1374.8	1058.0	808.1	601.4	132.1	20.3	7.6
67.5°	3078.3	2645.4	2202.4	1771.2	1401.1	1091.9	840.3	636.2	149.1	19.5	5.9
70°	2688.6	2370.1	2005.9	1656.9	1321.4	1037.7	808.1	616.7	155.9	18.6	5.1
72.5°	1829.7	1610.3	1395.1	1147.8	919.9	758.1	589.6	434.5	109.3	15.2	4.2
75°	609.9	594.6	532.0	403.2	338.8	275.3	220.2	169.4	41.5	9.3	4.2
77.5°	101.6	87.2	76.2	72.8	61.0	59.3	51.7	41.5	17.8	5.9	4.2
80°	59.3	54.2	47.4	42.4	37.3	33.0	28.0	23.7	11.0	4.2	5.1
82.5°	44.0	39.0	34.7	30.5	26.3	22.9	19.5	16.1	5.9	4.2	5.1
85°	25.4	22.0	19.5	16.9	13.6	11.9	10.2	8.5	4.2	4.2	4.2
87.5°	5.1	5.1	4.2	4.2	4.2	4.2	4.2	3.4	4.2	4.2	3.4
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°	90.6	90.6	90.6	90.6	90.6	90.6	90.6
2.5°	81.3	78.8	77.9	77.9	77.9	77.9	77.9
5°	74.5	72.0	70.3	69.5	69.5	69.5	69.5
7.5°	69.5	66.1	64.4	62.7	62.7	61.8	61.8
10°	64.4	61.0	58.4	56.8	55.9	55.9	55.9
12.5°	60.1	56.8	53.4	51.7	51.7	50.8	50.8
15°	56.8	51.7	49.1	47.4	47.4	46.6	46.6
17.5°	52.5	48.3	45.7	44.0	43.2	43.2	43.2
20°	48.3	44.0	41.5	40.7	39.8	39.8	39.0
22.5°	44.9	40.7	38.1	37.3	36.4	36.4	35.6
25°	41.5	37.3	34.7	33.9	33.0	32.2	32.2
27.5°	39.0	34.7	32.2	30.5	29.6	28.8	28.8
30°	36.4	31.3	28.8	27.1	26.3	25.4	25.4
32.5°	33.9	28.8	25.4	23.7	22.9	22.0	22.0
35°	30.5	25.4	22.0	21.2	20.3	19.5	18.6
37.5°	28.0	22.0	19.5	17.8	16.9	16.1	16.1
40°	24.6	19.5	16.9	15.2	13.6	12.7	12.7
42.5°	22.0	16.9	14.4	11.9	11.0	10.2	10.2
45°	19.5	15.2	11.9	9.3	8.5	7.6	7.6
47.5°	16.9	12.7	9.3	7.6	6.8	5.9	5.9
50°	14.4	10.2	6.8	5.1	5.9	5.1	5.1
52.5°	12.7	7.6	5.1	5.1	5.1	5.1	5.1
55°	10.2	5.9	4.2	4.2	5.1	5.1	5.1
57.5°	8.5	4.2	3.4	4.2	4.2	4.2	4.2
60°	5.9	3.4	3.4	4.2	4.2	4.2	4.2
62.5°	5.1	3.4	3.4	3.4	4.2	4.2	4.2
64°	4.2	3.4	3.4	3.4	4.2	4.2	4.2
65°	4.2	3.4	3.4	3.4	4.2	4.2	4.2
67.5°	4.2	3.4	3.4	3.4	4.2	4.2	4.2
70°	3.4	3.4	3.4	3.4	4.2	4.2	4.2
72.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2
75°	3.4	3.4	3.4	3.4	4.2	4.2	4.2
77.5°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
80°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
82.5°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
85°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
87.5°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)