

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: P155241

Luminaire Tested: **AVM-E02-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155241  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)  
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-T3-HSS-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3345.7 lumens  
Efficiency: N/A  
Efficacy: 64.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

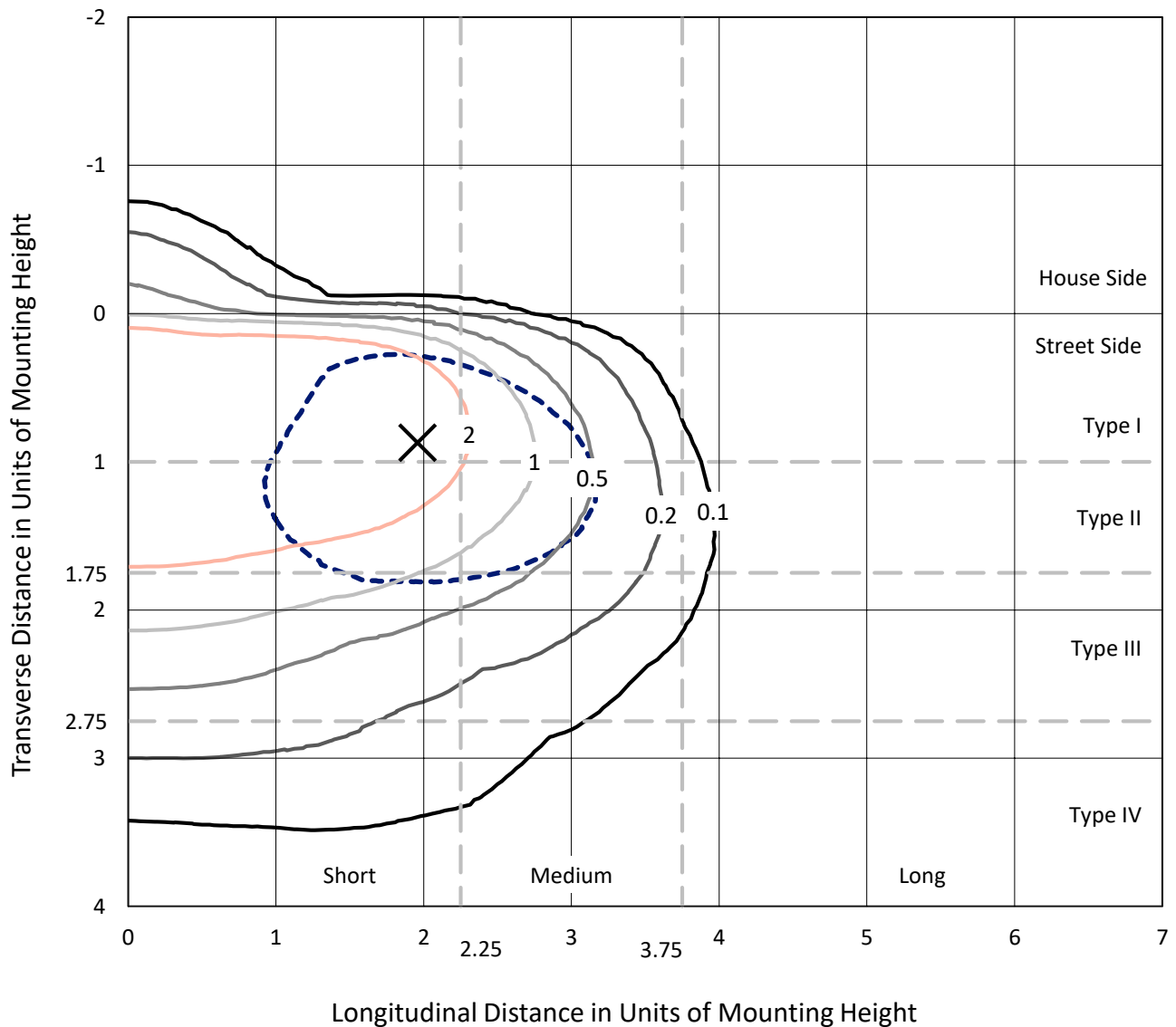
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

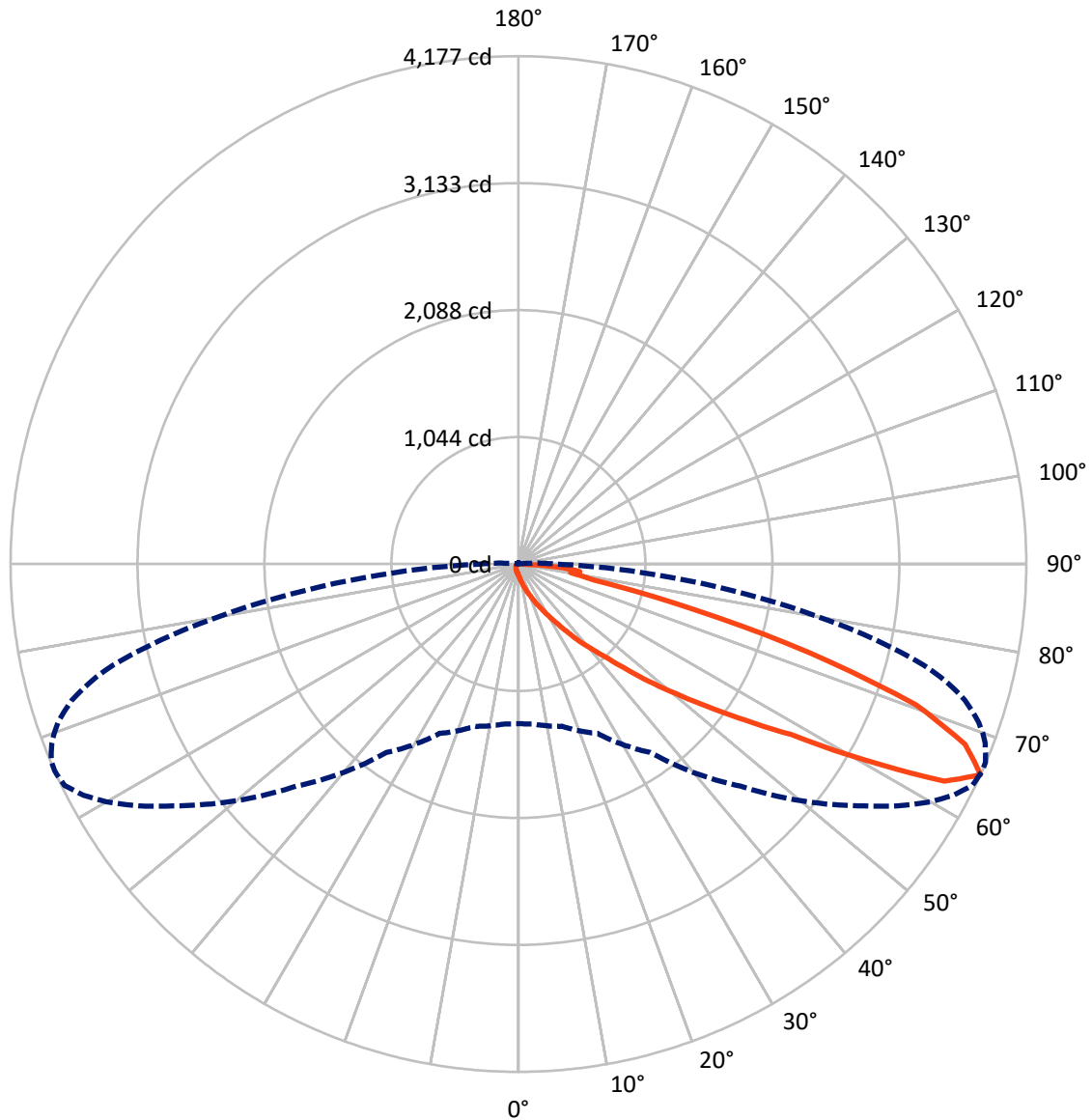
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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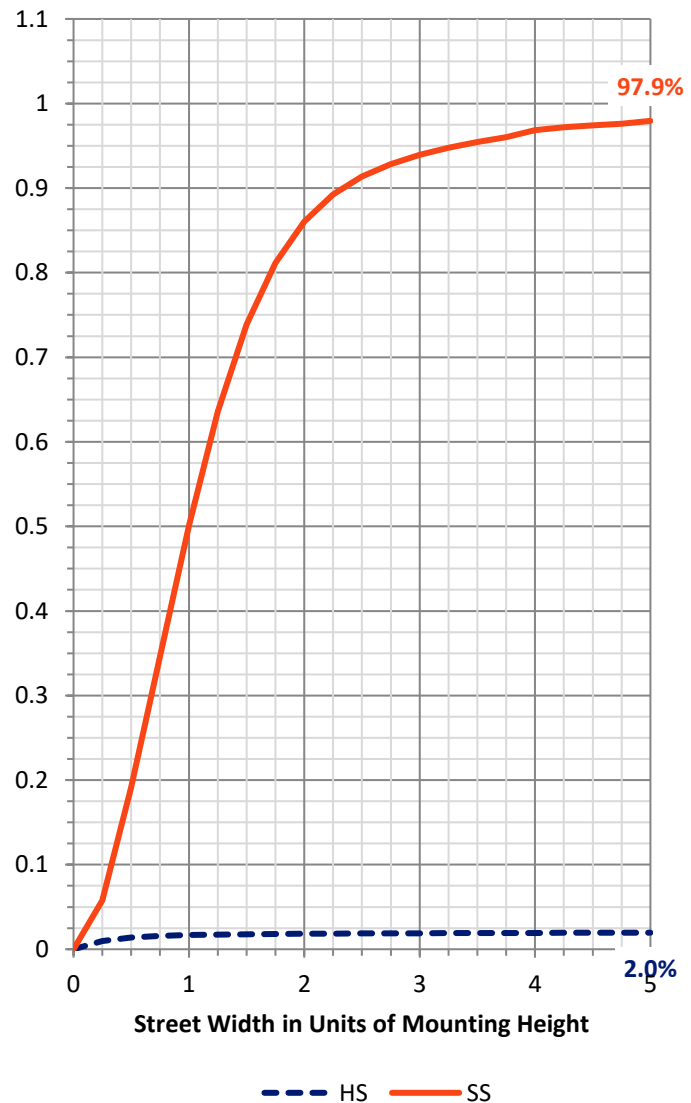
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	67.2	0.0	67.2
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	3278.6	0.0	3278.6
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	3345.7	0.0	3345.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.3
10°-20°	54.4	1.6
20°-30°	124.3	3.7
30°-40°	236.4	7.1
40°-50°	474.6	14.2
50°-60°	839.7	25.1
60°-70°	1097.1	32.8
70°-80°	451.1	13.5
80°-90°	56.8	1.7
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°	3345.7	100.0
0°-180°	3345.7	100.0



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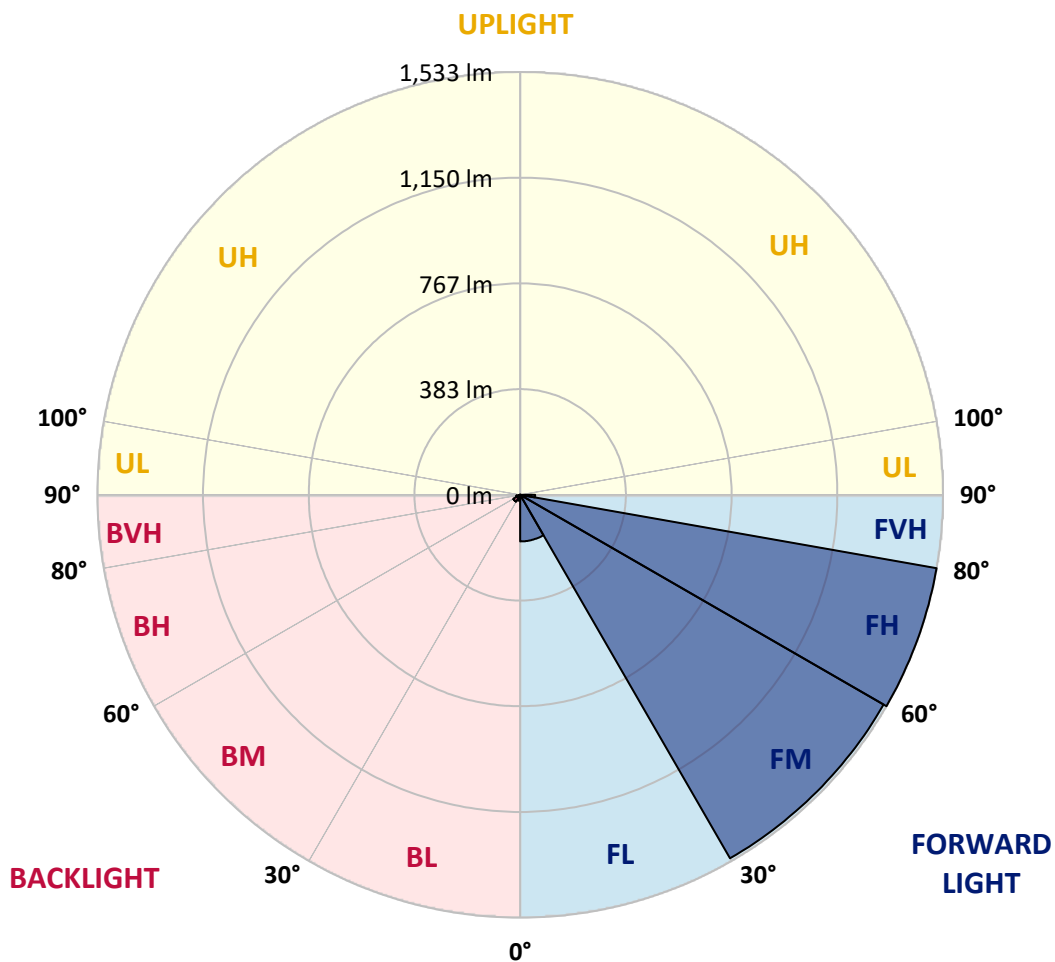
CATALOG NUMBER: AVM-E02-LED-E-U-T3-HSS-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.1	5.1			
FM	(30°-60°)	1521.9	45.5			
FH	(60°-80°)	1533.3	45.8			G1/1800
FVH	(80°-90°)	54.3	1.6			G1/100
BL	(0°-30°)	21.0	0.6	B0/110		
BM	(30°-60°)	28.8	0.9	B0/220		
BH	(60°-80°)	14.9	0.4	B0/110		G0/110
BVH	(80°-90°)	2.5	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	123.1	121.1	121.8	117.7	114.9	111.5	108.8	108.1	107.4	106.0	106.7
5°	177.2	175.1	170.3	162.1	154.6	143.0	131.3	130.7	128.6	126.6	125.2
7.5°	246.3	242.8	237.4	223.7	205.2	184.7	161.4	159.4	156.7	153.9	151.2
10°	326.3	324.2	314.0	298.3	270.2	236.7	197.7	195.6	189.5	186.1	183.3
12.5°	410.4	401.5	397.4	370.1	337.9	292.1	242.2	234.6	229.8	225.1	218.2
15°	474.1	475.4	465.9	444.0	406.3	353.0	290.7	282.5	275.7	266.8	258.6
17.5°	531.5	528.8	518.5	504.8	469.3	415.2	342.7	331.8	320.8	316.0	304.4
20°	578.0	576.7	568.5	555.5	528.1	476.1	397.4	388.6	376.2	368.0	355.0
22.5°	615.0	615.0	610.2	602.7	576.0	534.3	455.6	446.0	433.7	423.4	409.1
25°	644.4	643.7	644.4	641.0	623.2	584.9	515.1	504.2	493.9	481.6	467.9
27.5°	677.9	679.3	677.9	675.9	668.3	637.6	575.3	567.8	556.1	543.2	529.5
30°	729.9	725.8	725.1	723.7	714.9	695.7	637.6	628.7	619.8	610.9	601.3
32.5°	784.6	777.8	775.7	775.7	769.6	752.5	709.4	704.6	691.6	684.8	676.5
35°	846.9	844.1	841.4	842.1	839.4	821.6	786.0	787.4	783.3	769.6	761.4
37.5°	937.9	938.5	933.8	924.9	924.9	909.1	888.6	885.9	875.6	872.2	867.4
40°	1067.8	1064.4	1060.3	1047.3	1042.5	1015.8	996.7	989.8	981.6	981.0	975.5
42.5°	1218.3	1214.2	1214.2	1204.6	1195.1	1162.9	1126.7	1121.9	1113.0	1115.7	1113.7
45°	1357.9	1361.3	1366.1	1372.9	1374.3	1360.6	1307.9	1301.8	1297.0	1294.3	1292.2
47.5°	1478.3	1484.4	1500.2	1529.6	1567.2	1572.0	1530.3	1513.8	1510.4	1505.6	1501.5
50°	1564.5	1573.4	1608.9	1666.4	1739.6	1784.7	1762.2	1748.5	1747.8	1734.8	1733.4
52.5°	1613.7	1623.3	1681.4	1768.3	1881.9	1970.1	1998.2	1997.5	1996.1	1984.5	1979.7
55°	1624.7	1634.9	1704.7	1823.0	1985.2	2137.7	2245.1	2247.9	2254.0	2250.6	2250.6
57.5°	1594.6	1607.6	1683.5	1829.9	2039.2	2270.4	2505.1	2520.8	2528.3	2555.0	2585.8
60°	1539.2	1548.7	1624.7	1788.2	2048.8	2391.5	2843.0	2892.9	2931.9	2984.6	3034.5
62.5°	1436.5	1455.7	1528.2	1706.1	2020.1	2531.1	3246.6	3338.9	3414.9	3494.9	3591.4
65°	1312.0	1320.3	1381.8	1537.1	1891.5	2584.4	3469.6	3559.9	3657.0	3742.5	3828.7
67.5°	1156.1	1162.9	1216.3	1282.6	1561.0	2334.7	3250.0	3349.9	3437.5	3507.9	3620.8
70°	757.3	772.3	903.0	968.6	1091.1	1725.9	2657.6	2754.1	2821.1	2869.0	2999.6
72.5°	554.8	564.4	617.0	752.5	782.6	1019.9	1870.2	1974.9	1999.5	2089.8	2150.7
75°	338.6	362.6	481.6	644.4	762.7	698.4	1120.5	1171.1	1227.9	1293.6	1351.7
77.5°	68.4	78.0	157.3	444.0	671.1	746.3	669.0	678.6	706.6	712.8	734.7
80°	10.9	11.6	20.5	191.5	388.6	603.4	669.0	660.1	644.4	633.4	622.5
82.5°	4.8	5.5	8.9	48.6	82.8	201.1	578.7	623.9	675.9	704.6	712.1
85°	2.1	2.1	3.4	9.6	12.3	13.7	97.8	129.3	230.5	306.5	353.0
87.5°	1.4	1.4	2.1	2.1	2.7	3.4	4.8	4.8	5.5	6.2	8.9
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	106.7	106.0	106.0	104.0	104.0	103.3	103.3	102.6	102.6	101.2	101.9
5°	124.5	123.1	121.8	119.7	119.0	117.7	116.3	114.2	113.6	112.2	111.5
7.5°	148.4	147.1	144.3	140.2	137.5	134.8	132.0	129.3	127.2	125.2	123.8
10°	177.9	173.8	172.4	164.2	160.8	155.3	151.9	149.1	145.0	141.6	139.6
12.5°	213.4	210.0	203.2	192.2	186.8	182.0	175.8	170.3	166.2	160.1	156.0
15°	250.4	247.6	238.1	225.7	218.9	210.0	203.9	198.4	189.5	185.4	177.9
17.5°	296.9	288.7	279.1	261.3	252.4	244.9	234.0	225.7	220.3	208.0	201.1
20°	344.8	335.9	323.6	303.7	291.4	279.8	270.9	259.9	248.3	240.1	228.5
22.5°	399.5	385.1	375.6	350.9	336.6	324.2	309.2	297.6	285.9	272.9	259.9
25°	457.6	443.3	431.6	403.6	388.6	376.2	358.5	342.0	327.7	313.3	298.3
27.5°	518.5	505.5	492.5	463.8	450.8	433.7	417.3	398.1	379.7	366.7	346.1
30°	589.0	578.0	563.7	532.9	518.5	500.7	483.6	461.1	443.3	425.5	405.7
32.5°	664.9	656.0	641.0	613.6	596.5	581.5	563.0	541.1	515.8	497.3	474.1
35°	757.3	742.2	733.3	707.3	694.3	677.9	658.8	639.6	612.9	586.9	567.1
37.5°	862.6	855.8	844.1	819.5	809.9	792.8	780.5	761.4	740.8	708.0	686.8
40°	970.7	965.9	955.6	931.0	921.4	909.8	895.4	877.0	852.4	835.2	803.8
42.5°	1108.2	1100.7	1092.5	1069.2	1050.7	1036.4	1030.2	1014.5	988.5	966.6	942.0
45°	1282.6	1279.2	1268.3	1245.0	1226.5	1217.0	1207.4	1180.7	1163.6	1141.7	1124.6
47.5°	1493.3	1482.4	1476.9	1450.9	1444.8	1437.2	1412.6	1397.6	1372.9	1355.8	1334.6
50°	1721.1	1709.5	1710.2	1678.7	1680.1	1674.6	1656.1	1638.3	1617.1	1602.1	1589.1
52.5°	1966.0	1971.5	1957.8	1967.4	1956.4	1944.1	1940.7	1918.8	1900.3	1899.7	1881.9
55°	2267.0	2258.1	2261.5	2271.1	2256.1	2269.7	2262.9	2234.9	2235.5	2241.0	2220.5
57.5°	2590.6	2603.6	2631.6	2637.8	2663.8	2646.0	2692.5	2659.0	2679.5	2679.5	2665.8
60°	3065.3	3117.3	3185.0	3237.7	3286.3	3270.5	3331.4	3293.1	3320.5	3297.2	3285.6
62.5°	3637.2	3706.3	3786.3	3871.8	3921.1	3933.4	3924.5	3941.6	3914.9	3897.8	3853.4
65°	3912.2	3980.6	4050.4	4153.0	4166.7	4176.9	4172.8	4144.1	4111.3	4062.7	4004.5
67.5°	3683.7	3779.5	3818.5	3936.8	3976.5	3962.1	3966.9	3930.0	3878.7	3830.8	3745.3
70°	3054.4	3163.8	3184.3	3354.0	3401.2	3469.6	3445.0	3434.0	3377.9	3337.6	3243.2
72.5°	2223.9	2309.4	2302.6	2493.4	2485.2	2513.3	2579.6	2576.9	2518.1	2505.1	2425.7
75°	1368.8	1420.1	1417.4	1552.8	1496.1	1487.9	1506.3	1498.1	1442.7	1385.2	1336.0
77.5°	725.1	748.4	723.7	683.4	679.3	633.4	620.5	619.8	577.4	525.4	487.1
80°	610.9	586.9	558.2	499.4	465.2	434.4	405.7	379.0	350.2	311.9	265.4
82.5°	713.5	701.9	681.3	607.5	571.9	510.3	464.5	421.4	368.7	329.0	269.5
85°	347.5	346.8	363.2	355.7	342.7	340.0	294.8	285.3	264.1	242.2	202.5
87.5°	9.6	6.8	8.2	6.8	8.2	8.9	6.2	14.4	8.9	8.2	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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	101.2	100.6	99.9	99.9	99.2	99.2	98.5	97.8	97.8	97.1	97.1
5°	110.1	108.8	108.1	107.4	106.0	105.3	104.0	103.3	101.9	101.2	99.9
7.5°	121.1	119.7	117.0	115.6	113.6	112.9	109.5	108.1	106.7	105.3	103.3
10°	134.8	131.3	128.6	125.9	122.4	119.7	117.0	114.9	112.2	108.8	107.4
12.5°	151.9	147.1	143.0	138.2	134.1	130.0	125.2	121.8	117.7	114.2	110.8
15°	171.0	164.2	158.7	151.9	145.0	140.2	135.4	130.7	125.2	120.4	116.3
17.5°	192.9	184.0	176.5	168.3	160.8	153.9	145.7	139.6	133.4	126.6	121.1
20°	216.2	207.3	197.0	188.1	177.2	169.6	159.4	151.2	142.3	135.4	127.9
22.5°	246.9	235.3	222.3	210.0	198.4	186.8	175.8	165.5	154.6	144.3	136.8
25°	283.2	268.8	252.4	240.1	223.7	210.7	197.0	184.0	172.4	159.4	147.1
27.5°	328.4	309.2	291.4	274.3	256.5	240.1	222.3	207.3	191.5	176.5	162.8
30°	381.0	362.6	335.9	316.7	298.9	276.4	258.6	238.7	221.0	199.1	184.0
32.5°	450.8	426.9	398.8	373.5	350.2	324.9	300.3	275.0	251.7	231.9	209.3
35°	541.8	513.7	480.2	448.1	422.1	391.3	359.8	331.1	304.4	275.7	247.6
37.5°	656.7	630.7	594.5	555.5	520.6	483.6	450.8	410.4	374.9	340.0	304.4
40°	770.9	747.0	709.4	667.7	622.5	580.1	538.4	492.5	447.4	403.6	366.7
42.5°	911.9	876.3	835.9	788.7	745.0	694.3	642.3	589.7	535.6	483.0	430.3
45°	1089.0	1061.7	1004.9	954.3	902.3	842.8	778.5	718.3	649.2	586.9	517.2
47.5°	1304.5	1255.3	1213.5	1167.0	1102.0	1044.6	962.5	891.3	805.2	722.4	638.9
50°	1559.0	1531.6	1476.2	1418.1	1347.6	1279.2	1199.2	1096.6	993.3	905.0	790.8
52.5°	1856.6	1817.6	1782.7	1722.5	1650.7	1563.1	1472.1	1360.6	1234.1	1109.6	987.8
55°	2209.5	2182.2	2148.7	2100.8	2009.1	1909.9	1800.5	1667.1	1517.3	1349.7	1208.1
57.5°	2665.1	2636.4	2604.3	2505.7	2443.5	2321.7	2163.0	2024.8	1863.4	1648.6	1472.8
60°	3287.0	3248.0	3202.8	3122.8	2992.8	2834.8	2664.5	2459.9	2262.2	2027.6	1797.1
62.5°	3818.5	3756.2	3659.8	3556.5	3400.5	3219.2	3005.1	2764.3	2539.3	2275.2	2018.7
65°	3927.9	3842.4	3728.9	3594.1	3433.3	3228.8	3005.1	2774.6	2509.9	2261.5	2003.6
67.5°	3643.4	3544.2	3427.9	3277.4	3124.1	2913.5	2720.5	2485.9	2236.9	2022.1	1791.6
70°	3175.5	3028.4	2909.4	2749.3	2594.0	2428.4	2225.3	2049.5	1847.0	1649.3	1472.8
72.5°	2384.7	2239.6	2131.6	2003.6	1911.3	1736.2	1587.0	1455.7	1336.0	1188.2	1057.6
75°	1285.4	1176.6	1104.1	1045.9	963.2	847.6	776.4	686.1	635.5	573.9	514.4
77.5°	419.3	369.4	315.4	262.7	225.7	169.6	164.2	130.7	123.1	119.7	92.3
80°	214.8	165.5	119.7	86.2	65.7	58.1	55.4	52.7	49.9	47.9	44.5
82.5°	215.5	156.0	107.4	74.6	54.0	45.1	42.4	41.0	39.0	36.9	34.2
85°	157.3	116.3	80.0	54.7	37.6	30.1	28.7	26.7	25.3	24.6	21.9
87.5°	10.3	7.5	6.8	6.2	6.2	6.2	6.8	6.2	6.8	6.8	6.2
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	96.5	95.8	95.8	95.1	94.4	94.4	93.7	93.7	91.7	88.2	85.5
5°	99.2	97.8	97.1	96.5	95.8	94.4	93.7	93.0	89.6	82.8	77.3
7.5°	101.2	99.9	99.2	97.8	95.8	95.1	93.7	92.3	86.9	77.3	71.1
10°	104.7	102.6	100.6	98.5	96.5	95.1	93.0	91.7	83.5	72.5	66.4
12.5°	108.1	105.3	102.6	99.2	97.1	95.1	93.0	90.3	80.7	68.4	61.6
15°	112.2	108.1	104.7	101.2	97.8	95.1	91.7	89.6	78.0	65.0	58.8
17.5°	116.3	111.5	106.7	101.9	98.5	94.4	91.7	88.2	75.2	62.3	55.4
20°	121.1	114.2	109.5	104.0	99.2	94.4	90.3	86.9	72.5	58.8	52.0
22.5°	127.9	119.7	112.2	106.0	99.9	95.1	90.3	85.5	69.8	56.1	49.3
25°	136.8	126.6	117.7	110.1	102.6	96.5	91.0	86.2	67.7	54.0	45.8
27.5°	149.8	136.8	127.2	117.0	107.4	99.9	93.0	87.6	66.4	52.0	43.8
30°	165.5	152.5	137.5	125.2	114.9	104.7	97.1	88.9	65.0	49.9	41.0
32.5°	188.8	170.3	152.5	137.5	123.1	111.5	100.6	92.3	64.3	46.5	38.3
35°	222.3	197.0	175.8	156.0	136.1	121.8	108.8	97.8	63.6	43.8	35.6
37.5°	270.2	240.1	212.7	184.7	160.1	139.6	121.8	107.4	63.6	41.7	32.8
40°	321.5	282.5	247.6	212.7	181.3	155.3	131.3	113.6	62.3	39.0	30.1
42.5°	379.7	331.8	283.9	240.8	201.8	168.3	140.2	118.3	58.8	36.3	27.4
45°	457.6	394.7	337.2	281.8	231.2	187.4	151.9	123.8	55.4	34.2	24.6
47.5°	555.5	482.3	407.7	337.9	271.6	216.2	169.0	132.7	53.4	31.5	22.6
50°	701.2	597.2	498.7	409.8	325.6	253.1	194.3	145.7	51.3	29.4	20.5
52.5°	861.2	733.3	617.7	503.5	398.8	303.0	223.7	162.8	49.3	27.4	18.5
55°	1056.2	898.9	757.9	609.5	475.4	361.2	259.9	182.0	46.5	25.3	17.1
57.5°	1297.0	1097.9	931.0	749.7	581.5	436.4	308.5	214.1	43.8	22.6	15.0
60°	1565.8	1340.8	1130.8	918.0	714.2	536.3	380.3	259.9	41.0	19.8	13.0
62.5°	1759.4	1512.5	1272.4	1033.6	809.9	610.9	438.5	295.5	36.9	17.1	11.6
65°	1757.4	1507.0	1265.5	1030.2	812.7	613.6	440.5	302.4	32.8	15.0	10.3
67.5°	1565.8	1355.1	1139.7	928.3	738.1	558.2	407.7	280.5	28.0	13.7	8.9
70°	1288.1	1120.5	950.2	782.6	630.0	478.2	352.3	244.2	23.9	12.3	7.5
72.5°	940.6	818.1	714.2	595.8	491.8	377.6	281.2	191.5	19.2	10.3	6.8
75°	467.2	418.0	358.5	321.5	274.3	224.4	174.4	111.5	15.7	8.2	6.2
77.5°	88.9	79.4	75.9	65.7	60.2	53.4	47.2	33.5	12.3	6.2	5.5
80°	41.0	37.6	34.2	30.8	27.4	23.3	20.5	17.8	9.6	4.8	6.2
82.5°	32.2	29.4	26.0	23.3	20.5	17.8	15.0	13.0	6.2	4.1	6.2
85°	21.2	18.5	16.4	14.4	12.3	10.9	9.6	8.2	4.1	4.1	4.1
87.5°	6.2	6.2	5.5	5.5	4.8	4.8	4.1	4.1	3.4	3.4	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°	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2.5°	82.8	79.4	78.0	77.3	77.3	78.0	77.3
5°	73.2	69.8	68.4	67.0	67.0	67.0	67.7
7.5°	67.0	63.6	61.6	60.9	60.2	60.9	60.9
10°	61.6	58.8	56.1	54.7	54.7	54.7	54.7
12.5°	57.5	54.0	51.3	50.6	49.9	49.9	49.9
15°	54.0	49.9	47.9	46.5	45.8	45.8	46.5
17.5°	49.9	46.5	43.8	43.1	43.1	43.1	43.1
20°	47.2	43.1	41.0	39.7	39.7	39.7	39.7
22.5°	43.8	40.4	37.6	36.3	36.3	36.3	36.3
25°	41.0	37.6	34.9	33.5	33.5	33.5	33.5
27.5°	38.3	34.9	32.2	30.8	30.8	30.8	30.8
30°	35.6	32.2	29.4	28.0	28.0	28.0	28.0
32.5°	33.5	29.4	26.7	25.3	25.3	26.0	25.3
35°	30.1	26.7	23.9	22.6	22.6	22.6	22.6
37.5°	27.4	23.9	21.2	19.8	19.8	19.8	19.2
40°	25.3	21.2	18.5	17.1	16.4	16.4	16.4
42.5°	21.9	17.8	15.7	14.4	13.7	13.7	13.7
45°	19.8	15.7	13.0	11.6	11.6	11.6	11.6
47.5°	17.8	13.7	10.9	9.6	9.6	10.3	10.3
50°	15.7	11.6	8.9	8.9	8.9	9.6	9.6
52.5°	13.7	10.3	8.2	8.2	8.9	9.6	9.6
55°	12.3	8.9	7.5	8.2	8.9	9.6	9.6
57.5°	10.9	7.5	7.5	8.2	8.9	9.6	9.6
60°	9.6	6.8	6.8	7.5	8.9	9.6	9.6
62.5°	8.2	6.8	6.8	7.5	8.9	9.6	9.6
65°	7.5	6.8	6.8	7.5	8.9	9.6	9.6
67.5°	6.8	6.2	6.8	7.5	8.2	8.9	8.9
70°	6.2	6.2	6.8	7.5	8.2	8.9	8.9
72.5°	6.2	6.2	6.2	6.8	7.5	8.2	8.2
75°	6.2	6.2	6.2	6.8	7.5	8.2	8.2
77.5°	6.2	5.5	5.5	6.2	7.5	8.2	8.2
80°	6.2	5.5	5.5	6.2	6.8	8.2	8.2
82.5°	4.8	4.8	5.5	6.2	6.8	7.5	7.5
85°	4.1	4.8	4.8	5.5	6.2	7.5	7.5
87.5°	3.4	3.4	4.1	4.8	5.5	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)