

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: P155273

Luminaire Tested: **AVM-F05-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155273  
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-F05-LED-E-U-T3-HSS-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5679.5 lumens  
Efficiency: N/A  
Efficacy: 42.6 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

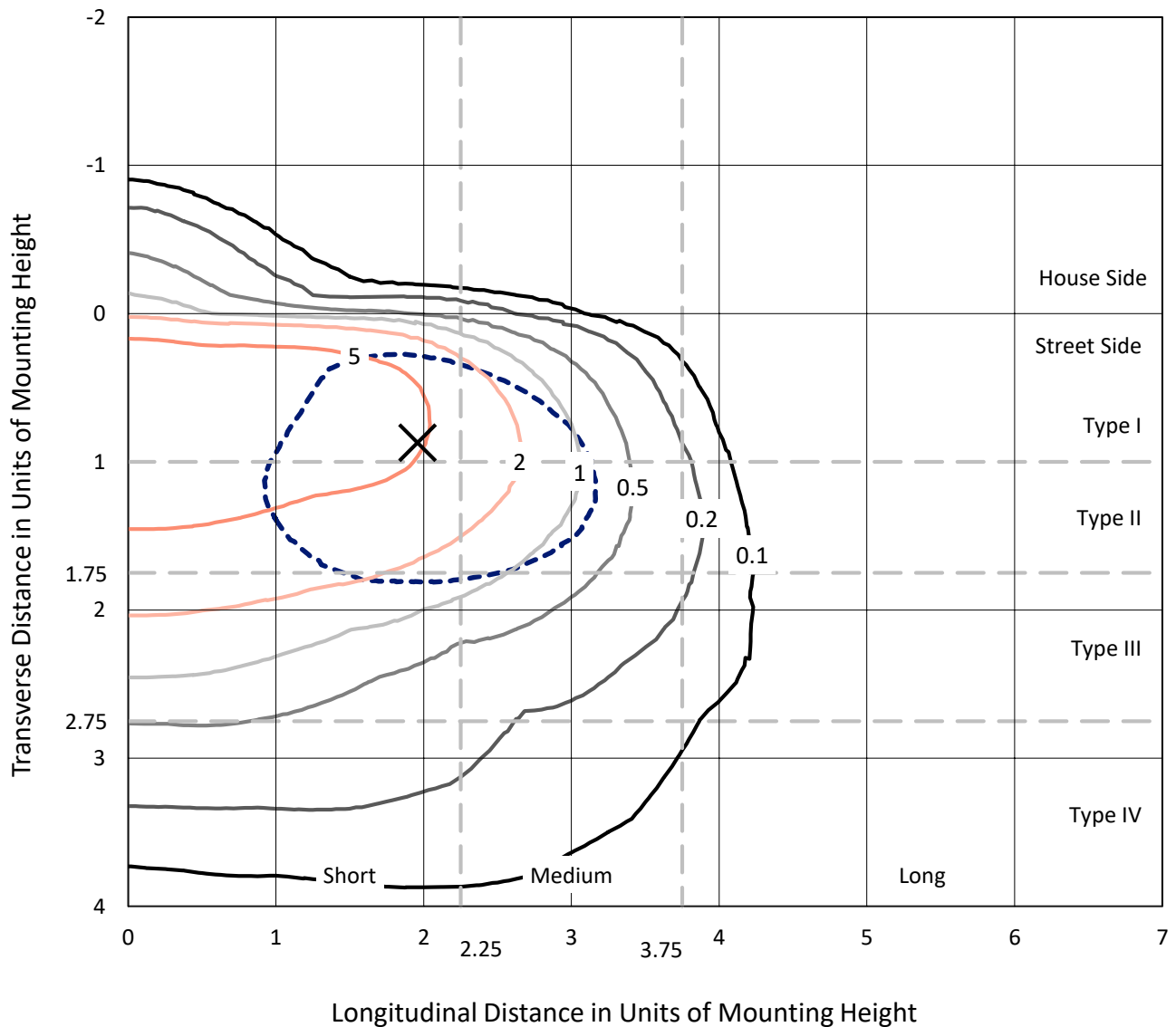
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

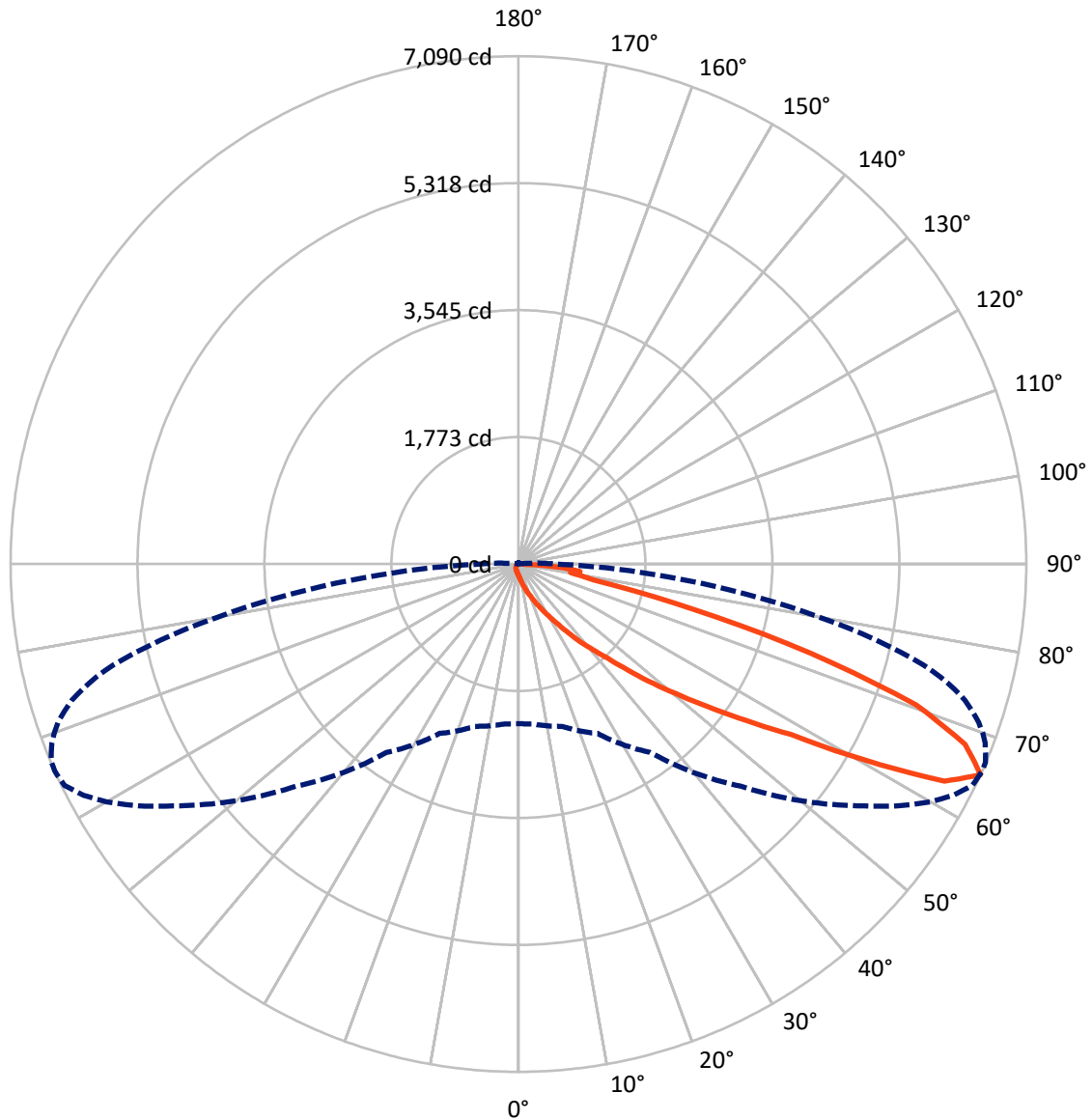
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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	114.0	0.0	114.0
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	5565.5	0.0	5565.5
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	5679.5	0.0	5679.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	0.3
10°-20°	92.4	1.6
20°-30°	211.0	3.7
30°-40°	401.3	7.1
40°-50°	805.6	14.2
50°-60°	1425.4	25.1
60°-70°	1862.4	32.8
70°-80°	765.7	13.5
80°-90°	96.5	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°	5679.5	100.0
0°-180°	5679.5	100.0



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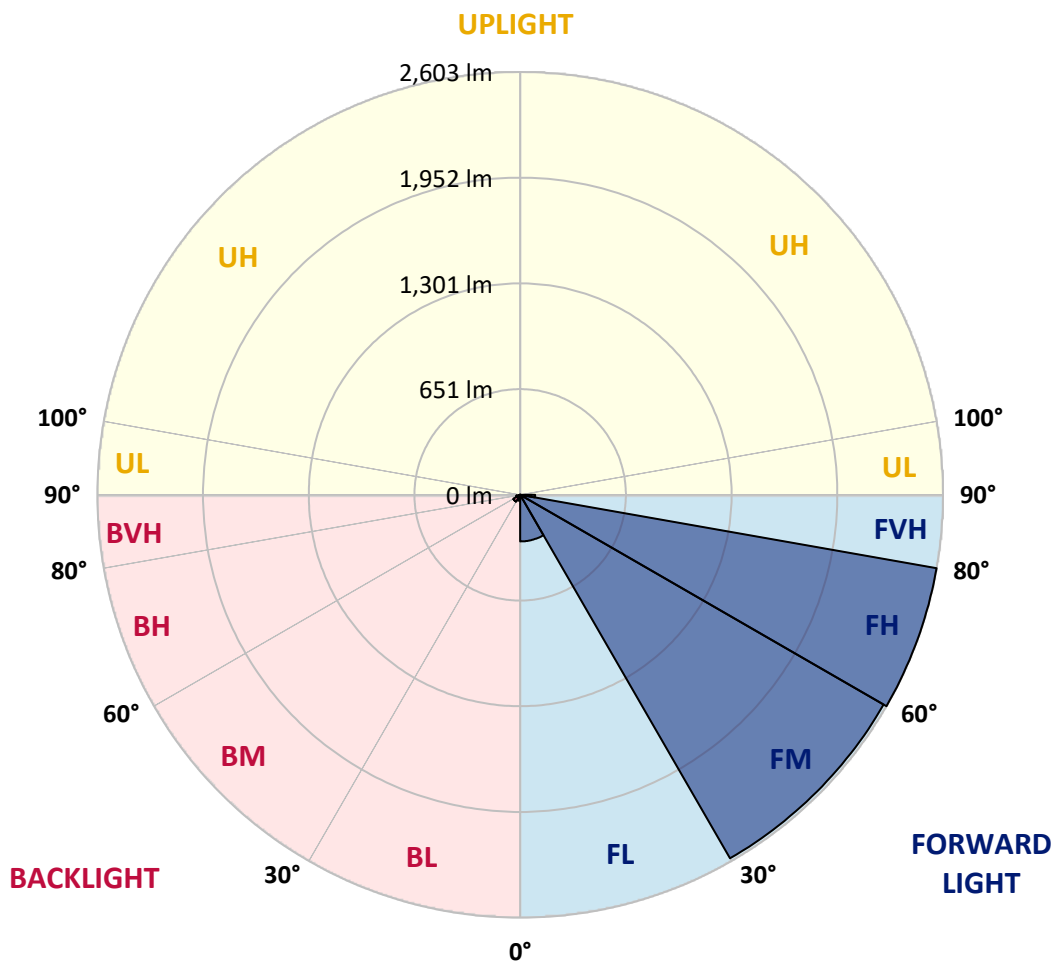
CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.0	5.1			
FM	(30°-60°)	2583.5	45.5			
FH	(60°-80°)	2602.9	45.8			G2/5000
FVH	(80°-90°)	92.2	1.6			G1/100
BL	(0°-30°)	35.7	0.6	B0/110		
BM	(30°-60°)	48.8	0.9	B0/220		
BH	(60°-80°)	25.2	0.4	B0/110		G0/110
BVH	(80°-90°)	4.3	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9
2.5°	209.0	205.5	206.7	199.7	195.1	189.3	184.6	183.5	182.3	180.0	181.2
5°	300.8	297.3	289.1	275.2	262.4	242.7	223.0	221.8	218.3	214.8	212.5
7.5°	418.0	412.2	402.9	379.7	348.4	313.5	274.0	270.6	265.9	261.3	256.6
10°	553.9	550.4	533.0	506.3	458.7	401.8	335.6	332.1	321.7	315.9	311.2
12.5°	696.7	681.6	674.7	628.2	573.6	495.8	411.1	398.3	390.2	382.0	370.4
15°	804.7	807.1	790.8	753.6	689.8	599.2	493.5	479.6	468.0	452.9	438.9
17.5°	902.3	897.6	880.2	857.0	796.6	704.9	581.8	563.2	544.6	536.5	516.7
20°	981.2	978.9	965.0	942.9	896.5	808.2	674.7	659.6	638.7	624.7	602.7
22.5°	1043.9	1043.9	1035.8	1023.0	977.8	906.9	773.4	757.1	736.2	718.8	694.4
25°	1093.9	1092.7	1093.9	1088.1	1057.9	992.8	874.4	855.8	838.4	817.5	794.3
27.5°	1150.8	1153.1	1150.8	1147.3	1134.5	1082.3	976.6	963.8	944.1	922.0	898.8
30°	1239.0	1232.1	1230.9	1228.6	1213.5	1181.0	1082.3	1067.2	1052.1	1037.0	1020.7
32.5°	1331.9	1320.3	1316.8	1316.8	1306.4	1277.3	1204.2	1196.1	1174.0	1162.4	1148.5
35°	1437.6	1433.0	1428.3	1429.5	1424.8	1394.6	1334.2	1336.6	1329.6	1306.4	1292.4
37.5°	1592.0	1593.2	1585.1	1570.0	1570.0	1543.3	1508.4	1503.8	1486.4	1480.6	1472.4
40°	1812.7	1806.9	1799.9	1777.8	1769.7	1724.4	1691.9	1680.3	1666.4	1665.2	1655.9
42.5°	2068.1	2061.2	2061.2	2044.9	2028.7	1974.1	1912.5	1904.4	1889.3	1894.0	1890.5
45°	2305.0	2310.8	2319.0	2330.6	2332.9	2309.7	2220.3	2209.8	2201.7	2197.0	2193.6
47.5°	2509.4	2519.9	2546.6	2596.5	2660.4	2668.5	2597.7	2569.8	2564.0	2555.9	2548.9
50°	2655.7	2670.8	2731.2	2828.7	2953.0	3029.6	2991.3	2968.1	2966.9	2944.9	2942.5
52.5°	2739.3	2755.6	2854.3	3001.8	3194.5	3344.3	3391.9	3390.8	3388.5	3368.7	3360.6
55°	2757.9	2775.3	2893.8	3094.7	3369.9	3628.8	3811.1	3815.8	3826.2	3820.4	3820.4
57.5°	2706.8	2728.9	2857.8	3106.3	3461.6	3854.1	4252.4	4279.1	4291.9	4337.2	4389.4
60°	2612.8	2629.0	2757.9	3035.4	3477.9	4059.6	4826.1	4910.8	4977.0	5066.4	5151.2
62.5°	2438.6	2471.1	2594.2	2896.1	3429.1	4296.5	5511.2	5667.9	5796.8	5932.7	6096.4
65°	2227.2	2241.2	2345.7	2609.3	3210.8	4387.1	5889.7	6043.0	6207.9	6353.1	6499.4
67.5°	1962.5	1974.1	2064.7	2177.3	2649.9	3963.3	5517.0	5686.5	5835.2	5954.8	6146.4
70°	1285.5	1311.0	1532.8	1644.3	1852.2	2929.8	4511.4	4675.1	4788.9	4870.2	5092.0
72.5°	941.8	958.0	1047.4	1277.3	1328.4	1731.4	3174.8	3352.5	3394.3	3547.5	3650.9
75°	574.8	615.4	817.5	1093.9	1294.8	1185.6	1902.1	1988.0	2084.4	2195.9	2294.6
77.5°	116.1	132.4	267.1	753.6	1139.2	1266.9	1135.7	1151.9	1199.5	1210.0	1247.2
80°	18.6	19.7	34.8	325.1	659.6	1024.2	1135.7	1120.6	1093.9	1075.3	1056.7
82.5°	8.1	9.3	15.1	82.4	140.5	341.4	982.4	1059.0	1147.3	1196.1	1208.8
85°	3.5	3.5	5.8	16.3	20.9	23.2	166.1	219.5	391.3	520.2	599.2
87.5°	2.3	2.3	3.5	3.5	4.6	5.8	8.1	8.1	9.3	10.5	15.1
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°	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9
2.5°	181.2	180.0	180.0	176.5	176.5	175.3	175.3	174.2	174.2	171.9	173.0
5°	211.3	209.0	206.7	203.2	202.1	199.7	197.4	193.9	192.8	190.4	189.3
7.5°	252.0	249.7	245.0	238.1	233.4	228.8	224.1	219.5	216.0	212.5	210.2
10°	301.9	295.0	292.6	278.7	272.9	263.6	257.8	253.1	246.2	240.4	236.9
12.5°	362.3	356.5	344.9	326.3	317.0	308.9	298.4	289.1	282.2	271.7	264.8
15°	425.0	420.4	404.1	383.2	371.6	356.5	346.0	336.8	321.7	314.7	301.9
17.5°	504.0	490.0	473.8	443.6	428.5	415.7	397.1	383.2	373.9	353.0	341.4
20°	585.3	570.2	549.3	515.6	494.7	474.9	459.8	441.3	421.5	407.6	387.8
22.5°	678.2	653.8	637.5	595.7	571.3	550.4	524.9	505.1	485.4	463.3	441.3
25°	776.9	752.5	732.7	685.1	659.6	638.7	608.5	580.6	556.2	531.8	506.3
27.5°	880.2	858.1	836.1	787.3	765.2	736.2	708.3	675.8	644.5	622.4	587.6
30°	999.8	981.2	956.9	904.6	880.2	850.0	821.0	782.7	752.5	722.3	688.6
32.5°	1128.7	1113.6	1088.1	1041.6	1012.6	987.0	955.7	918.5	875.6	844.2	804.7
35°	1285.5	1259.9	1244.8	1200.7	1178.6	1150.8	1118.3	1085.7	1040.5	996.3	962.7
37.5°	1464.3	1452.7	1433.0	1391.1	1374.9	1345.9	1325.0	1292.4	1257.6	1201.9	1165.9
40°	1647.8	1639.7	1622.2	1580.4	1564.2	1544.4	1520.0	1488.7	1446.9	1417.9	1364.4
42.5°	1881.2	1868.4	1854.5	1815.0	1783.6	1759.3	1748.8	1722.1	1678.0	1640.8	1599.0
45°	2177.3	2171.5	2152.9	2113.4	2082.1	2065.8	2049.6	2004.3	1975.2	1938.1	1909.1
47.5°	2535.0	2516.4	2507.1	2463.0	2452.5	2439.7	2397.9	2372.4	2330.6	2301.5	2265.6
50°	2921.6	2901.9	2903.1	2849.6	2852.0	2842.7	2811.3	2781.1	2745.1	2719.6	2697.5
52.5°	3337.4	3346.7	3323.4	3339.7	3321.1	3300.2	3294.4	3257.2	3225.9	3224.7	3194.5
55°	3848.3	3833.2	3839.0	3855.3	3829.7	3852.9	3841.3	3793.7	3794.9	3804.2	3769.3
57.5°	4397.6	4419.6	4467.2	4477.7	4521.8	4491.6	4570.6	4513.7	4548.5	4548.5	4525.3
60°	5203.5	5291.7	5406.7	5496.1	5578.5	5551.8	5655.2	5590.1	5636.6	5597.1	5577.4
62.5°	6174.2	6291.5	6427.4	6572.5	6656.1	6677.0	6662.0	6691.0	6645.7	6616.7	6541.2
65°	6641.1	6757.2	6875.6	7049.8	7073.0	7090.4	7083.5	7034.7	6979.0	6896.5	6797.8
67.5°	6253.2	6415.8	6482.0	6682.9	6750.2	6725.8	6733.9	6671.2	6584.2	6502.9	6357.7
70°	5184.9	5370.7	5405.5	5693.5	5773.6	5889.7	5847.9	5829.4	5734.1	5665.6	5505.4
72.5°	3775.1	3920.3	3908.7	4232.7	4218.7	4266.3	4379.0	4374.3	4274.5	4252.4	4117.7
75°	2323.6	2410.7	2406.1	2636.0	2539.6	2525.7	2557.0	2543.1	2449.0	2351.5	2267.9
77.5°	1230.9	1270.4	1228.6	1160.1	1153.1	1075.3	1053.2	1052.1	980.1	891.8	826.8
80°	1037.0	996.3	947.6	847.7	789.6	737.4	688.6	643.3	594.5	529.5	450.6
82.5°	1211.2	1191.4	1156.6	1031.2	970.8	866.3	788.5	715.3	625.9	558.5	457.5
85°	589.9	588.7	616.6	603.8	581.8	577.1	500.5	484.2	448.2	411.1	343.7
87.5°	16.3	11.6	13.9	11.6	13.9	15.1	10.5	24.4	15.1	13.9	16.3
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°	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9
2.5°	171.9	170.7	169.5	169.5	168.4	168.4	167.2	166.1	166.1	164.9	164.9
5°	187.0	184.6	183.5	182.3	180.0	178.8	176.5	175.3	173.0	171.9	169.5
7.5°	205.5	203.2	198.6	196.2	192.8	191.6	185.8	183.5	181.2	178.8	175.3
10°	228.8	223.0	218.3	213.7	207.9	203.2	198.6	195.1	190.4	184.6	182.3
12.5°	257.8	249.7	242.7	234.6	227.6	220.6	212.5	206.7	199.7	193.9	188.1
15°	290.3	278.7	269.4	257.8	246.2	238.1	229.9	221.8	212.5	204.4	197.4
17.5°	327.5	312.4	299.6	285.7	272.9	261.3	247.3	236.9	226.4	214.8	205.5
20°	366.9	351.9	334.4	319.3	300.8	288.0	270.6	256.6	241.5	229.9	217.1
22.5°	419.2	399.5	377.4	356.5	336.8	317.0	298.4	281.0	262.4	245.0	232.2
25°	480.7	456.4	428.5	407.6	379.7	357.7	334.4	312.4	292.6	270.6	249.7
27.5°	557.4	524.9	494.7	465.7	435.5	407.6	377.4	351.9	325.1	299.6	276.4
30°	646.8	615.4	570.2	537.6	507.5	469.1	438.9	405.3	375.1	337.9	312.4
32.5°	765.2	724.6	677.0	634.0	594.5	551.6	509.8	466.8	427.3	393.7	355.3
35°	919.7	872.1	815.2	760.6	716.5	664.2	610.8	562.0	516.7	468.0	420.4
37.5°	1114.8	1070.7	1009.1	942.9	883.7	821.0	765.2	696.7	636.4	577.1	516.7
40°	1308.7	1268.1	1204.2	1133.4	1056.7	984.7	913.9	836.1	759.4	685.1	622.4
42.5°	1547.9	1487.5	1419.0	1338.9	1264.6	1178.6	1090.4	1001.0	909.2	819.8	730.4
45°	1848.7	1802.2	1705.8	1619.9	1531.7	1430.6	1321.5	1219.3	1102.0	996.3	877.9
47.5°	2214.5	2130.8	2060.0	1981.1	1870.7	1773.2	1633.8	1513.1	1366.8	1226.3	1084.6
50°	2646.4	2600.0	2505.9	2407.2	2287.6	2171.5	2035.6	1861.4	1686.1	1536.3	1342.4
52.5°	3151.6	3085.4	3026.2	2924.0	2802.0	2653.4	2499.0	2309.7	2094.9	1883.5	1676.8
55°	3750.8	3704.3	3647.4	3566.1	3410.5	3242.1	3056.3	2829.9	2575.6	2291.1	2050.7
57.5°	4524.1	4475.4	4420.8	4253.6	4147.9	3941.2	3671.8	3437.2	3163.2	2798.6	2500.1
60°	5579.7	5513.5	5436.9	5301.0	5080.4	4812.1	4523.0	4175.8	3840.2	3441.9	3050.5
62.5°	6482.0	6376.3	6212.6	6037.2	5772.5	5464.7	5101.3	4692.5	4310.5	3862.2	3426.8
65°	6667.8	6522.6	6329.8	6101.1	5828.2	5481.0	5101.3	4709.9	4260.5	3839.0	3401.2
67.5°	6184.7	6016.3	5818.9	5563.4	5303.3	4945.7	4618.2	4219.9	3797.2	3432.6	3041.3
70°	5390.4	5140.7	4938.7	4667.0	4403.4	4122.4	3777.5	3479.0	3135.3	2799.7	2500.1
72.5°	4048.0	3801.9	3618.4	3401.2	3244.5	2947.2	2694.0	2471.1	2267.9	2017.0	1795.3
75°	2181.9	1997.3	1874.2	1775.5	1635.0	1438.8	1318.0	1164.7	1078.8	974.3	873.2
77.5°	711.8	627.1	535.3	445.9	383.2	288.0	278.7	221.8	209.0	203.2	156.8
80°	364.6	281.0	203.2	146.3	111.5	98.7	94.1	89.4	84.8	81.3	75.5
82.5°	365.8	264.8	182.3	126.6	91.7	76.6	72.0	69.7	66.2	62.7	58.1
85°	267.1	197.4	135.9	92.9	63.9	51.1	48.8	45.3	43.0	41.8	37.2
87.5°	17.4	12.8	11.6	10.5	10.5	10.5	11.6	10.5	11.6	11.6	10.5
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°	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9	157.9
2.5°	163.7	162.6	162.6	161.4	160.2	160.2	159.1	159.1	155.6	149.8	145.2
5°	168.4	166.1	164.9	163.7	162.6	160.2	159.1	157.9	152.1	140.5	131.2
7.5°	171.9	169.5	168.4	166.1	162.6	161.4	159.1	156.8	147.5	131.2	120.8
10°	177.7	174.2	170.7	167.2	163.7	161.4	157.9	155.6	141.7	123.1	112.6
12.5°	183.5	178.8	174.2	168.4	164.9	161.4	157.9	153.3	137.0	116.1	104.5
15°	190.4	183.5	177.7	171.9	166.1	161.4	155.6	152.1	132.4	110.3	99.9
17.5°	197.4	189.3	181.2	173.0	167.2	160.2	155.6	149.8	127.7	105.7	94.1
20°	205.5	193.9	185.8	176.5	168.4	160.2	153.3	147.5	123.1	99.9	88.3
22.5°	217.1	203.2	190.4	180.0	169.5	161.4	153.3	145.2	118.4	95.2	83.6
25°	232.2	214.8	199.7	187.0	174.2	163.7	154.4	146.3	115.0	91.7	77.8
27.5°	254.3	232.2	216.0	198.6	182.3	169.5	157.9	148.6	112.6	88.3	74.3
30°	281.0	259.0	233.4	212.5	195.1	177.7	164.9	151.0	110.3	84.8	69.7
32.5°	320.5	289.1	259.0	233.4	209.0	189.3	170.7	156.8	109.2	79.0	65.0
35°	377.4	334.4	298.4	264.8	231.1	206.7	184.6	166.1	108.0	74.3	60.4
37.5°	458.7	407.6	361.1	313.5	271.7	236.9	206.7	182.3	108.0	70.8	55.7
40°	545.8	479.6	420.4	361.1	307.7	263.6	223.0	192.8	105.7	66.2	51.1
42.5°	644.5	563.2	481.9	408.8	342.6	285.7	238.1	200.9	99.9	61.5	46.4
45°	776.9	670.0	572.5	478.4	392.5	318.2	257.8	210.2	94.1	58.1	41.8
47.5°	942.9	818.7	692.1	573.6	461.0	366.9	286.8	225.3	90.6	53.4	38.3
50°	1190.3	1013.8	846.5	695.6	552.7	429.7	329.8	247.3	87.1	49.9	34.8
52.5°	1462.0	1244.8	1048.6	854.7	677.0	514.4	379.7	276.4	83.6	46.4	31.4
55°	1792.9	1525.9	1286.6	1034.7	807.1	613.1	441.3	308.9	79.0	43.0	29.0
57.5°	2201.7	1863.8	1580.4	1272.7	987.0	740.9	523.7	363.5	74.3	38.3	25.5
60°	2658.0	2276.0	1919.5	1558.4	1212.3	910.4	645.6	441.3	69.7	33.7	22.1
62.5°	2986.7	2567.5	2159.9	1754.6	1374.9	1037.0	744.3	501.6	62.7	29.0	19.7
65°	2983.2	2558.2	2148.3	1748.8	1379.5	1041.6	747.8	513.3	55.7	25.5	17.4
67.5°	2658.0	2300.4	1934.6	1575.8	1253.0	947.6	692.1	476.1	47.6	23.2	15.1
70°	2186.6	1902.1	1612.9	1328.4	1069.5	811.7	598.0	414.6	40.6	20.9	12.8
72.5°	1596.7	1388.8	1212.3	1011.4	834.9	641.0	477.3	325.1	32.5	17.4	11.6
75°	793.1	709.5	608.5	545.8	465.7	380.9	296.1	189.3	26.7	13.9	10.5
77.5°	151.0	134.7	128.9	111.5	102.2	90.6	80.1	56.9	20.9	10.5	9.3
80°	69.7	63.9	58.1	52.3	46.4	39.5	34.8	30.2	16.3	8.1	10.5
82.5°	54.6	49.9	44.1	39.5	34.8	30.2	25.5	22.1	10.5	7.0	10.5
85°	36.0	31.4	27.9	24.4	20.9	18.6	16.3	13.9	7.0	7.0	7.0
87.5°	10.5	10.5	9.3	9.3	8.1	8.1	7.0	7.0	5.8	5.8	5.8
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°	157.9	157.9	157.9	157.9	157.9	157.9	157.9
2.5°	140.5	134.7	132.4	131.2	131.2	132.4	131.2
5°	124.3	118.4	116.1	113.8	113.8	113.8	115.0
7.5°	113.8	108.0	104.5	103.3	102.2	103.3	103.3
10°	104.5	99.9	95.2	92.9	92.9	92.9	92.9
12.5°	97.5	91.7	87.1	85.9	84.8	84.8	84.8
15°	91.7	84.8	81.3	79.0	77.8	77.8	79.0
17.5°	84.8	79.0	74.3	73.2	73.2	73.2	73.2
20°	80.1	73.2	69.7	67.4	67.4	67.4	67.4
22.5°	74.3	68.5	63.9	61.5	61.5	61.5	61.5
25°	69.7	63.9	59.2	56.9	56.9	56.9	56.9
27.5°	65.0	59.2	54.6	52.3	52.3	52.3	52.3
30°	60.4	54.6	49.9	47.6	47.6	47.6	47.6
32.5°	56.9	49.9	45.3	43.0	43.0	44.1	43.0
35°	51.1	45.3	40.6	38.3	38.3	38.3	38.3
37.5°	46.4	40.6	36.0	33.7	33.7	33.7	32.5
40°	43.0	36.0	31.4	29.0	27.9	27.9	27.9
42.5°	37.2	30.2	26.7	24.4	23.2	23.2	23.2
45°	33.7	26.7	22.1	19.7	19.7	19.7	19.7
47.5°	30.2	23.2	18.6	16.3	16.3	17.4	17.4
50°	26.7	19.7	15.1	15.1	15.1	16.3	16.3
52.5°	23.2	17.4	13.9	13.9	15.1	16.3	16.3
55°	20.9	15.1	12.8	13.9	15.1	16.3	16.3
57.5°	18.6	12.8	12.8	13.9	15.1	16.3	16.3
60°	16.3	11.6	11.6	12.8	15.1	16.3	16.3
62.5°	13.9	11.6	11.6	12.8	15.1	16.3	16.3
65°	12.8	11.6	11.6	12.8	15.1	16.3	16.3
67.5°	11.6	10.5	11.6	12.8	13.9	15.1	15.1
70°	10.5	10.5	11.6	12.8	13.9	15.1	15.1
72.5°	10.5	10.5	10.5	11.6	12.8	13.9	13.9
75°	10.5	10.5	10.5	11.6	12.8	13.9	13.9
77.5°	10.5	9.3	9.3	10.5	12.8	13.9	13.9
80°	10.5	9.3	9.3	10.5	11.6	13.9	13.9
82.5°	8.1	8.1	9.3	10.5	11.6	12.8	12.8
85°	7.0	8.1	8.1	9.3	10.5	12.8	12.8
87.5°	5.8	5.8	7.0	8.1	9.3	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)