

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: P154228

Luminaire Tested: **AVM-E05-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154228  
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-E05-LED-E-U-T2-HSS-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD  
Light Source: (105) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6757.4 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

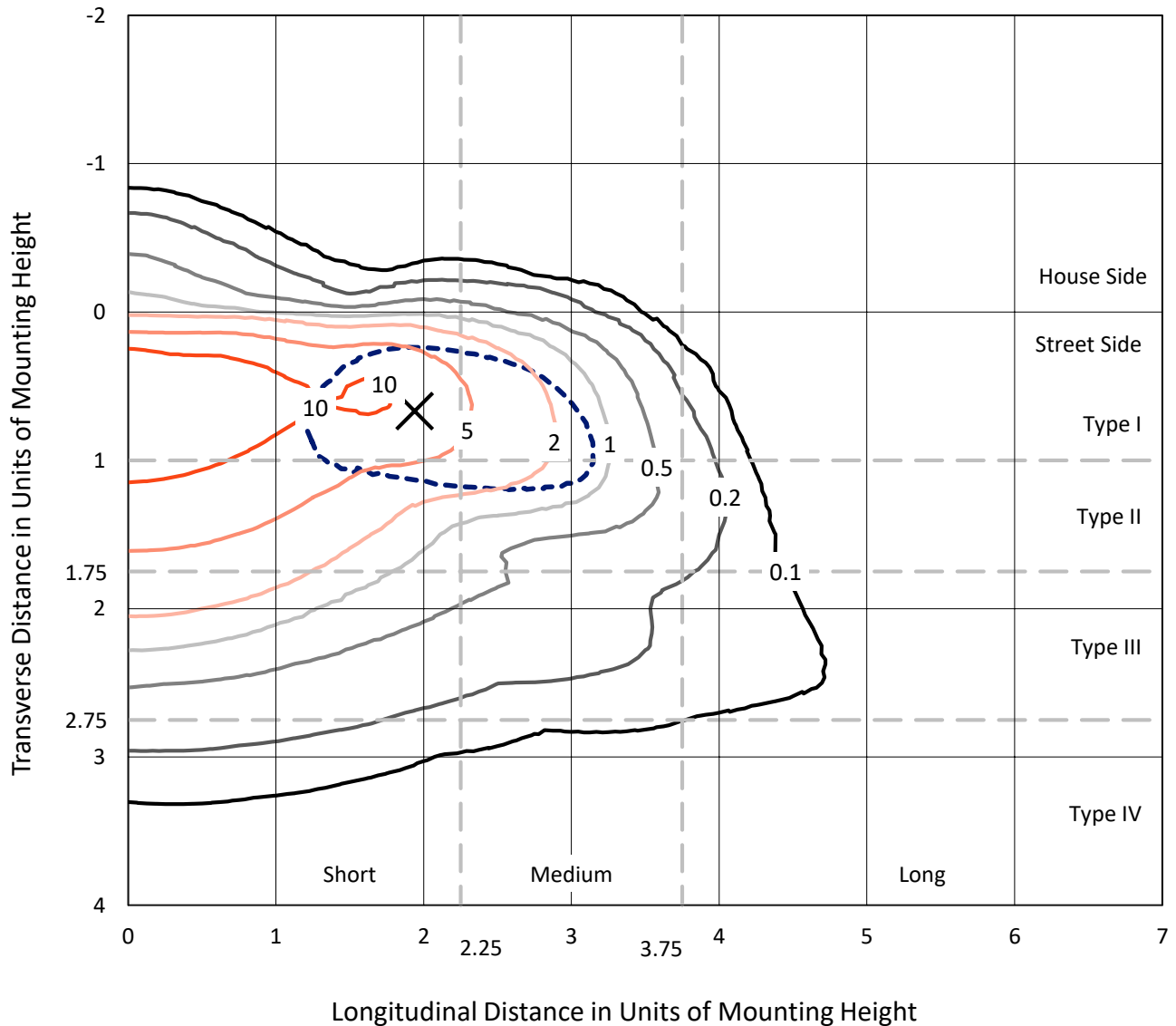
Input Watts (W): 127.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

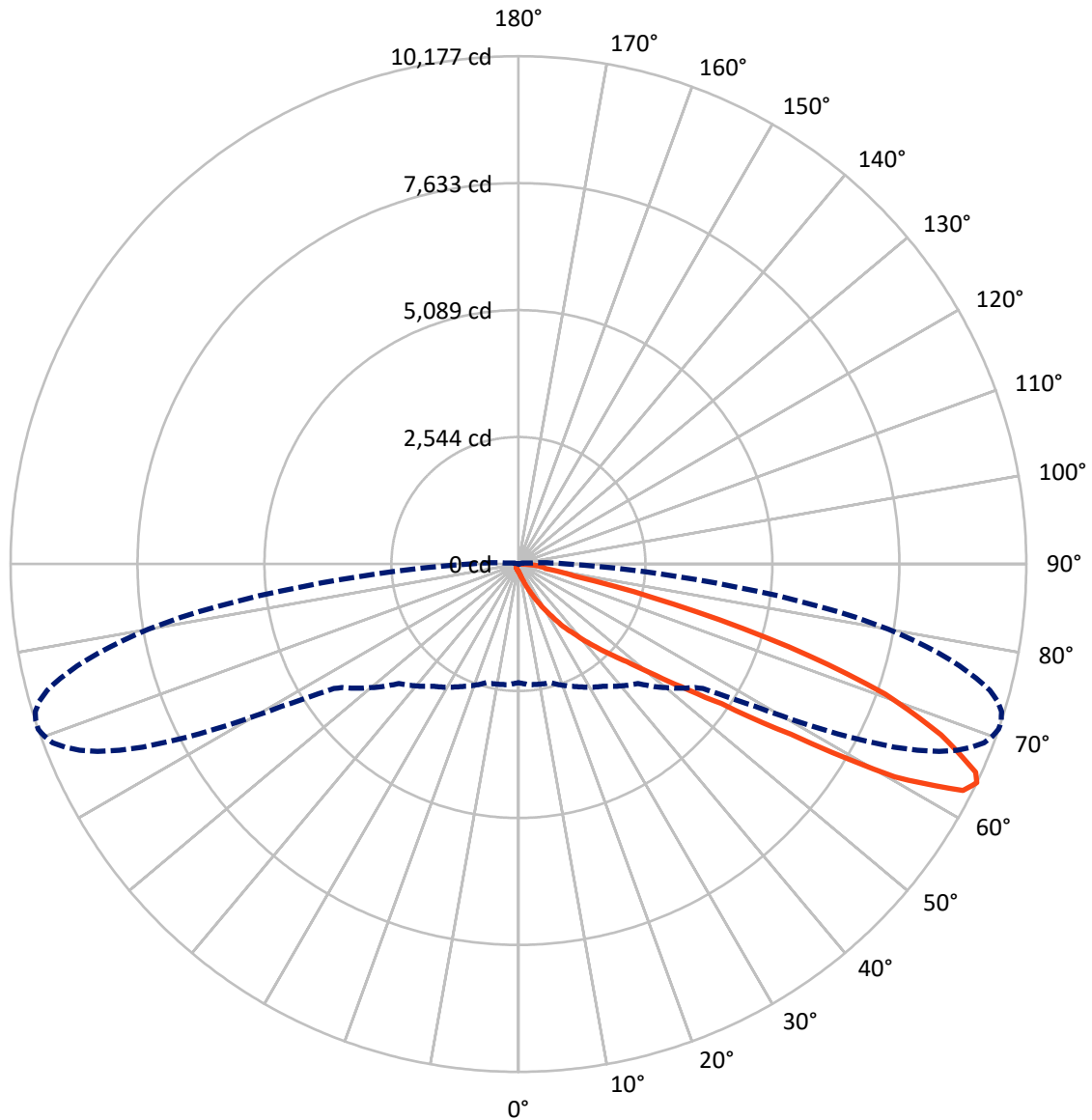
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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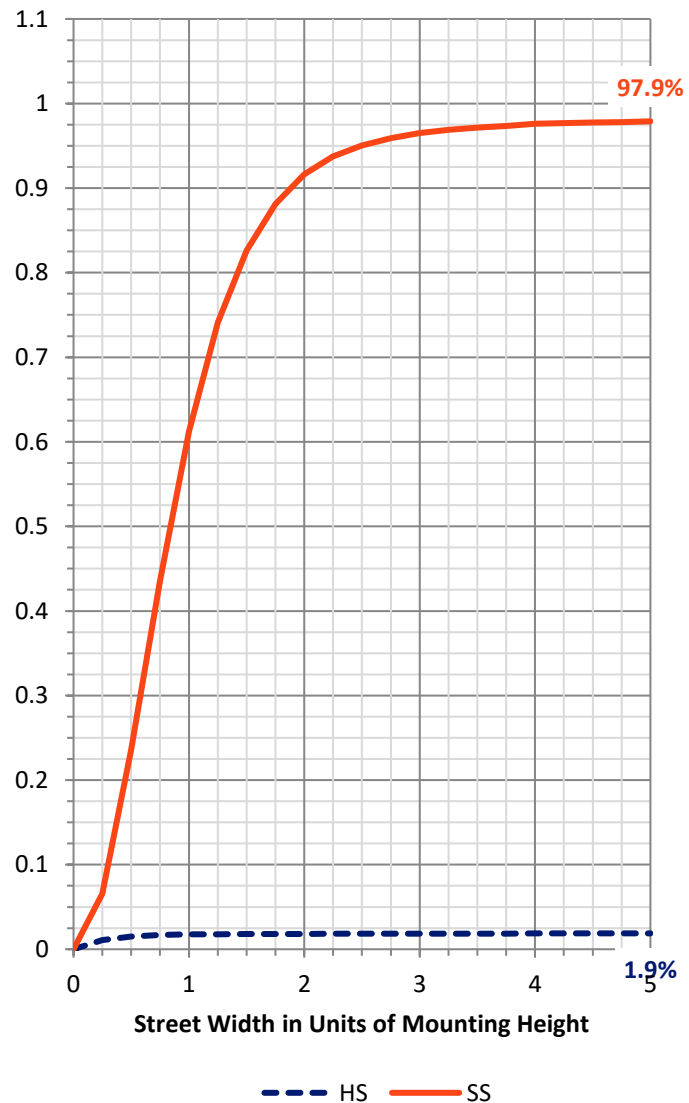
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	129.4	0.0	129.4
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	6628.0	0.0	6628.0
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	6757.4	0.0	6757.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.7	0.3
10°-20°	122.2	1.8
20°-30°	312.1	4.6
30°-40°	631.2	9.3
40°-50°	1153.8	17.1
50°-60°	1797.6	26.6
60°-70°	1998.1	29.6
70°-80°	651.6	9.6
80°-90°	70.1	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°	6757.4	100.0
0°-180°	6757.4	100.0



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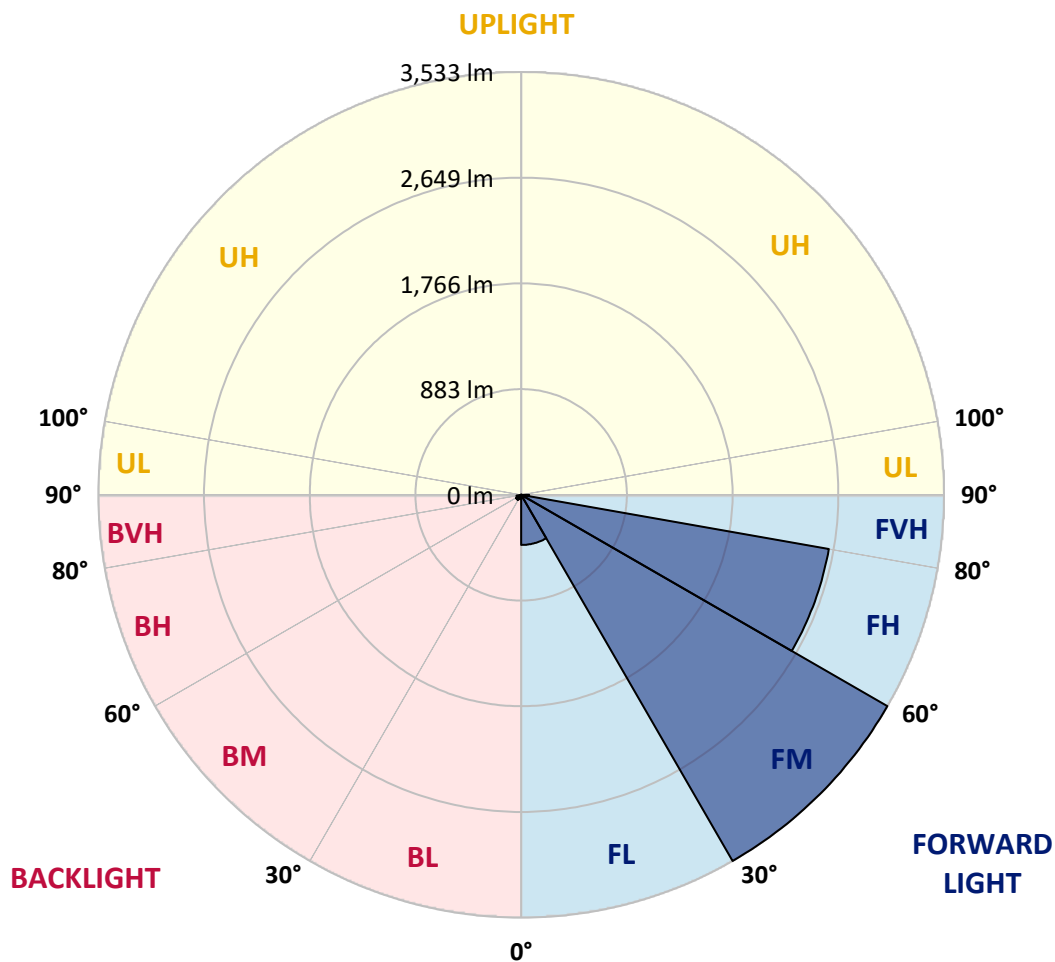
CATALOG NUMBER: AVM-E05-LED-E-U-T2-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.9	6.2			
FM	(30°-60°)	3532.6	52.3			
FH	(60°-80°)	2609.8	38.6			G2/5000
FVH	(80°-90°)	66.7	1.0			G1/100
BL	(0°-30°)	36.0	0.5	B0/110		
BM	(30°-60°)	50.0	0.7	B0/220		
BH	(60°-80°)	39.9	0.6	B0/110		G0/110
BVH	(80°-90°)	3.4	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°	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	202.6	199.7	199.7	195.5	189.9	184.3	178.6	177.2	175.8	174.4	174.4
5°	317.9	306.7	302.4	287.0	267.3	243.4	222.3	216.6	216.6	212.4	209.6
7.5°	499.4	493.7	464.2	448.7	402.3	344.6	284.1	278.5	277.1	271.5	263.0
10°	731.5	720.2	699.1	654.1	569.7	469.8	384.0	369.9	360.1	348.8	337.6
12.5°	963.6	949.5	918.5	845.4	761.0	633.0	495.1	482.5	467.0	451.5	433.2
15°	1195.7	1185.8	1138.0	1064.8	955.1	801.8	627.4	604.9	592.2	561.3	547.2
17.5°	1396.8	1384.1	1346.2	1263.2	1149.2	980.4	773.7	745.5	724.4	706.1	672.4
20°	1571.2	1558.6	1522.0	1453.1	1325.1	1159.1	931.2	917.1	879.2	851.0	831.3
22.5°	1678.1	1673.9	1650.0	1583.9	1470.0	1322.3	1111.3	1088.7	1063.4	1025.4	1002.9
25°	1744.2	1740.0	1726.0	1679.5	1602.2	1493.9	1309.6	1281.5	1259.0	1225.2	1197.1
27.5°	1813.2	1810.4	1799.1	1758.3	1717.5	1650.0	1510.7	1495.3	1446.0	1426.3	1399.6
30°	1927.1	1914.5	1924.3	1904.6	1852.6	1810.4	1713.3	1690.8	1669.7	1635.9	1612.0
32.5°	2108.6	2087.5	2108.6	2087.5	2065.0	2014.3	1921.5	1914.5	1893.4	1872.3	1838.5
35°	2330.8	2322.4	2339.3	2357.5	2339.3	2271.7	2159.2	2138.1	2129.7	2095.9	2083.3
37.5°	2554.5	2570.0	2600.9	2641.7	2630.4	2581.2	2422.3	2402.6	2387.1	2357.5	2335.0
40°	2795.0	2796.4	2862.5	2921.6	2951.2	2921.6	2712.0	2696.6	2675.5	2633.3	2627.6
42.5°	3056.7	3045.4	3094.6	3160.7	3221.2	3262.0	3094.6	3065.1	3035.6	2987.7	2955.4
45°	3288.8	3288.8	3328.1	3390.0	3482.9	3585.6	3498.3	3467.4	3439.3	3399.9	3363.3
47.5°	3460.4	3461.8	3485.7	3575.7	3720.6	3873.9	3876.7	3882.4	3861.3	3814.8	3816.2
50°	3581.3	3565.9	3598.2	3685.4	3852.8	4093.4	4266.4	4276.2	4293.1	4255.1	4266.4
52.5°	3670.0	3662.9	3684.0	3757.2	3924.6	4218.5	4585.7	4627.9	4653.2	4658.8	4705.2
55°	3623.5	3627.8	3678.4	3783.9	3963.9	4301.5	4857.2	4926.1	4985.2	5035.8	5093.5
57.5°	3470.2	3482.9	3571.5	3736.1	3972.4	4369.1	5145.5	5251.0	5362.2	5497.2	5611.1
60°	3225.5	3255.0	3374.6	3605.2	3890.8	4280.4	5231.3	5393.1	5563.3	5768.7	5998.0
62.5°	2866.8	2872.4	2951.2	3174.8	3489.9	3809.2	4837.5	5044.3	5269.3	5566.1	5886.8
64°	2375.8	2426.5	2463.0	2709.2	2990.5	3388.6	4317.0	4460.5	4774.2	5138.5	5542.2
65°	1960.9	2021.4	2050.9	2297.1	2619.2	2999.0	3864.1	4017.4	4348.0	4717.9	5221.5
67.5°	1156.3	1115.5	1201.3	1346.2	1616.2	2066.4	2606.5	2723.3	2969.4	3409.7	3812.0
70°	745.5	745.5	824.3	972.0	1222.4	1567.0	1790.7	1741.4	1793.5	1963.7	2247.8
72.5°	478.3	503.6	551.4	676.6	908.7	1313.8	1830.1	1598.0	1477.0	1420.7	1417.9
75°	218.0	232.1	284.1	358.7	485.3	856.7	1845.5	1744.2	1633.1	1526.2	1443.2
77.5°	46.4	53.5	90.0	185.7	236.3	395.3	1309.6	1461.5	1582.5	1617.6	1617.6
80°	23.9	25.3	38.0	87.2	101.3	133.6	505.0	663.9	818.7	1022.6	1236.4
82.5°	9.8	11.3	22.5	39.4	42.2	40.8	133.6	168.8	232.1	337.6	503.6
85°	2.8	2.8	9.8	15.5	22.5	18.3	29.5	33.8	43.6	63.3	121.0
87.5°	0.0	0.0	1.4	2.8	4.2	7.0	8.4	8.4	8.4	8.4	8.4
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	173.0	173.0	171.6	170.2	170.2	167.4	167.4	166.0	166.0	164.6	164.6
5°	208.2	205.4	202.6	198.3	196.9	194.1	191.3	188.5	185.7	184.3	181.5
7.5°	258.8	256.0	247.6	241.9	234.9	230.7	225.1	220.8	216.6	213.8	208.2
10°	326.3	316.5	312.3	292.6	288.4	278.5	270.1	264.5	253.2	246.2	239.1
12.5°	422.0	403.7	396.7	362.9	353.1	339.0	329.2	315.1	302.4	294.0	281.3
15°	530.3	516.2	489.5	455.8	437.5	422.0	398.1	386.8	369.9	351.7	333.4
17.5°	659.7	634.4	604.9	561.3	538.7	514.8	492.3	468.4	440.3	423.4	403.7
20°	810.2	783.5	746.9	692.1	665.3	641.4	602.0	585.2	551.4	517.6	492.3
22.5°	974.8	948.1	912.9	851.0	815.9	776.5	744.1	714.6	675.2	641.4	611.9
25°	1160.5	1129.5	1102.8	1031.1	987.5	946.7	911.5	859.5	825.7	786.3	745.5
27.5°	1371.5	1334.9	1299.7	1221.0	1180.2	1135.2	1093.0	1038.1	1005.8	941.0	903.1
30°	1588.1	1543.1	1506.5	1426.3	1389.8	1343.4	1285.7	1236.4	1181.6	1138.0	1076.1
32.5°	1816.0	1779.4	1749.9	1665.5	1619.1	1561.4	1509.3	1457.3	1409.5	1339.1	1282.9
35°	2059.3	2027.0	1994.6	1921.5	1880.7	1837.1	1778.0	1714.7	1648.6	1575.4	1524.8
37.5°	2315.3	2290.0	2264.7	2176.1	2128.3	2081.8	2014.3	1951.0	1891.9	1814.6	1728.8
40°	2584.0	2560.1	2519.3	2446.2	2395.5	2353.3	2291.4	2232.4	2152.2	2066.4	1990.4
42.5°	2921.6	2869.6	2834.4	2754.2	2700.8	2654.4	2599.5	2510.9	2443.4	2340.7	2267.5
45°	3316.9	3267.7	3210.0	3128.4	3062.3	2986.3	2909.0	2848.5	2764.1	2671.2	2577.0
47.5°	3761.4	3722.0	3654.5	3574.3	3508.2	3432.2	3340.8	3263.4	3160.7	3052.4	2924.4
50°	4250.9	4210.1	4165.1	4075.1	4009.0	3937.2	3865.5	3774.0	3681.2	3551.8	3419.6
52.5°	4705.2	4713.7	4687.0	4644.8	4612.4	4537.9	4471.7	4384.5	4302.9	4184.8	4082.1
55°	5154.0	5227.1	5255.3	5296.0	5310.1	5249.6	5248.2	5120.2	5071.0	5002.1	4943.0
57.5°	5746.2	5907.9	6035.9	6283.5	6387.6	6493.1	6512.8	6422.8	6515.6	6396.0	6436.8
60°	6249.8	6546.6	6864.5	7504.5	7825.2	8067.1	8261.3	8404.7	8497.6	8655.1	8663.6
62.5°	6294.8	6761.8	7245.7	8179.7	8618.6	8985.7	9335.9	9580.7	9774.8	9953.5	9997.1
64°	6079.5	6657.7	7245.7	8375.2	8823.9	9231.9	9551.2	9794.5	9992.9	10104.0	10177.1
65°	5688.5	6335.6	7012.2	8245.8	8708.6	9141.8	9447.1	9691.8	9878.9	9990.0	10066.0
67.5°	4214.3	4840.3	5519.7	6955.9	7684.5	8081.2	8472.3	8815.5	8966.0	9106.7	9133.4
70°	2568.5	3022.9	3491.3	4823.4	5500.0	6213.2	6653.5	7155.6	7507.3	7723.9	7795.7
72.5°	1550.1	1707.7	1987.6	2703.6	3352.1	3852.8	4461.9	4941.6	5335.4	5553.5	5663.2
75°	1379.9	1360.2	1396.8	1695.0	1925.7	2226.7	2447.6	2748.6	2991.9	3067.9	3210.0
77.5°	1595.1	1538.9	1481.2	1424.9	1413.7	1385.6	1340.5	1351.8	1244.9	1142.2	1145.0
80°	1420.7	1555.8	1635.9	1576.9	1443.2	1308.2	1142.2	935.4	731.5	604.9	551.4
82.5°	713.2	1014.2	1304.0	1590.9	1571.2	1451.7	1268.8	1042.3	807.4	620.3	495.1
85°	219.4	389.6	548.6	762.4	884.8	867.9	762.4	741.3	528.9	412.1	317.9
87.5°	9.8	9.8	9.8	8.4	9.8	9.8	9.8	11.3	11.3	12.7	12.7
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°	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	164.6	163.2	161.8	160.4	160.4	160.4	159.0	159.0	157.5	157.5	156.1
5°	181.5	178.6	177.2	174.4	174.4	171.6	170.2	168.8	166.0	164.6	163.2
7.5°	204.0	201.2	196.9	192.7	191.3	187.1	182.9	180.1	177.2	174.4	171.6
10°	233.5	227.9	219.4	213.8	209.6	204.0	198.3	194.1	188.5	182.9	180.1
12.5°	271.5	260.2	251.8	241.9	233.5	225.1	215.2	209.6	204.0	195.5	189.9
15°	315.1	303.8	294.0	277.1	263.0	251.8	243.4	230.7	220.8	209.6	201.2
17.5°	389.6	360.1	340.4	323.5	309.5	288.4	271.5	257.4	244.8	230.7	220.8
20°	462.8	437.5	410.7	391.0	360.1	341.8	319.3	299.6	277.1	260.2	243.4
22.5°	569.7	537.3	503.6	474.0	431.8	406.5	377.0	351.7	323.5	295.4	277.1
25°	704.7	656.9	611.9	569.7	530.3	492.3	454.3	413.6	384.0	350.3	319.3
27.5°	846.8	793.4	749.7	694.9	644.2	597.8	550.0	506.4	455.8	412.1	375.6
30°	1025.4	952.3	901.7	835.6	784.9	720.2	661.1	603.5	541.6	490.9	438.9
32.5°	1206.9	1157.7	1071.9	1015.6	939.6	862.3	800.4	734.3	658.3	592.2	528.9
35°	1446.0	1361.6	1289.9	1211.1	1128.1	1048.0	967.8	873.5	796.2	714.6	637.2
37.5°	1657.0	1571.2	1488.2	1385.6	1291.3	1206.9	1109.8	1011.4	920.0	822.9	730.1
40°	1901.8	1794.9	1696.4	1600.8	1484.0	1384.1	1282.9	1160.5	1055.0	948.1	838.4
42.5°	2169.1	2060.7	1944.0	1834.3	1706.3	1583.9	1458.7	1336.3	1218.2	1088.7	960.7
45°	2461.6	2347.7	2216.9	2091.7	1952.4	1817.4	1668.3	1527.6	1388.4	1243.5	1095.8
47.5°	2824.6	2678.3	2557.3	2401.2	2228.1	2086.1	1903.2	1742.8	1583.9	1415.1	1249.1
50°	3294.4	3128.4	2954.0	2781.0	2589.6	2409.6	2207.0	2017.1	1804.7	1616.2	1426.3
52.5°	3917.5	3793.7	3591.2	3392.8	3159.3	2930.1	2651.5	2405.4	2132.5	1891.9	1659.8
55°	4802.3	4720.7	4544.9	4328.3	4124.3	3789.5	3468.8	3086.2	2731.7	2385.7	2059.3
57.5°	6404.5	6315.9	6120.3	6068.3	5754.6	5508.4	5132.9	4637.7	4037.1	3508.2	2980.7
60°	8711.4	8538.4	8347.1	8311.9	7943.4	7684.5	7311.8	6784.3	6218.8	5374.8	4656.0
62.5°	9999.9	9947.8	9793.1	9603.2	9283.9	8899.9	8480.7	7970.1	7396.2	6656.3	5801.0
64°	10172.9	10125.1	9991.4	9777.6	9456.9	9075.7	8611.5	8102.3	7527.0	6851.8	6071.1
65°	10064.6	9997.1	9883.1	9686.2	9388.0	9022.3	8555.3	8039.0	7455.3	6805.4	6079.5
67.5°	9191.1	9160.1	9056.0	8873.2	8686.1	8356.9	7946.2	7484.8	7007.9	6363.7	5768.7
70°	7804.1	7781.6	7649.4	7576.2	7266.8	7058.6	6726.6	6363.7	5941.7	5493.0	4986.6
72.5°	5785.6	5709.6	5602.7	5491.6	5282.0	4996.4	4737.6	4350.8	4132.7	3754.4	3468.8
75°	3067.9	3020.1	2854.1	2622.0	2363.2	2229.5	1960.9	1720.3	1529.0	1443.2	1236.4
77.5°	1060.6	966.4	873.5	769.4	610.5	481.1	384.0	306.7	241.9	213.8	178.6
80°	528.9	502.2	472.6	413.6	347.4	279.9	219.4	173.0	142.1	121.0	108.3
82.5°	429.0	379.8	339.0	296.8	237.7	195.5	154.7	126.6	104.1	91.4	80.2
85°	253.2	194.1	147.7	133.6	104.1	90.0	77.4	66.1	56.3	53.5	49.2
87.5°	9.8	12.7	12.7	9.8	12.7	11.3	11.3	9.8	9.8	9.8	9.8
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	156.1	154.7	154.7	153.3	151.9	151.9	151.9	150.5	147.7	142.1	137.9
5°	161.8	160.4	159.0	156.1	154.7	153.3	151.9	151.9	144.9	135.0	128.0
7.5°	168.8	166.0	163.2	160.4	159.0	156.1	153.3	151.9	142.1	129.4	122.4
10°	175.8	171.6	167.4	166.0	161.8	159.0	154.7	151.9	140.7	125.2	115.3
12.5°	184.3	178.6	173.0	168.8	163.2	160.4	156.1	151.9	137.9	121.0	109.7
15°	194.1	185.7	178.6	174.4	168.8	161.8	156.1	151.9	135.0	116.8	104.1
17.5°	206.8	196.9	188.5	180.1	171.6	164.6	159.0	153.3	130.8	111.1	97.1
20°	226.5	213.8	199.7	189.9	178.6	170.2	160.4	153.3	128.0	105.5	91.4
22.5°	253.2	233.5	218.0	201.2	187.1	175.8	164.6	156.1	123.8	99.9	84.4
25°	291.2	265.9	240.5	219.4	201.2	185.7	171.6	160.4	121.0	95.7	80.2
27.5°	333.4	303.8	270.1	244.8	219.4	196.9	181.5	167.4	121.0	92.8	76.0
30°	392.5	350.3	309.5	277.1	243.4	218.0	195.5	177.2	121.0	91.4	71.7
32.5°	464.2	416.4	364.3	317.9	278.5	241.9	213.8	189.9	123.8	88.6	68.9
35°	564.1	493.7	431.8	374.2	322.1	279.9	243.4	211.0	128.0	87.2	64.7
37.5°	642.8	558.4	479.7	413.6	353.1	301.0	254.6	219.4	123.8	81.6	60.5
40°	737.1	641.4	545.8	462.8	393.9	326.3	272.9	230.7	121.0	74.6	54.9
42.5°	851.0	731.5	620.3	526.1	440.3	360.1	296.8	244.8	121.0	70.3	50.6
45°	957.9	827.1	703.3	585.2	485.3	396.7	319.3	260.2	119.6	66.1	45.0
47.5°	1090.2	935.4	790.5	654.1	538.7	430.4	343.2	274.3	118.2	61.9	40.8
50°	1246.3	1057.8	894.6	731.5	590.8	471.2	371.4	289.8	115.3	57.7	36.6
52.5°	1419.3	1216.8	1008.6	820.1	655.5	514.8	398.1	303.8	111.1	53.5	32.4
55°	1726.0	1447.4	1201.3	967.8	754.0	579.5	437.5	324.9	106.9	49.2	28.1
57.5°	2461.6	2000.3	1651.4	1299.7	993.1	744.1	544.4	385.4	101.3	43.6	22.5
60°	3865.5	3104.5	2512.3	1970.7	1502.3	1142.2	801.8	569.7	108.3	36.6	19.7
62.5°	4958.4	4083.5	3329.5	2650.1	2057.9	1564.2	1167.5	851.0	156.1	32.4	15.5
64°	5244.0	4357.8	3553.2	2841.4	2225.3	1716.1	1302.6	962.1	201.2	32.4	14.1
65°	5286.2	4442.2	3633.4	2911.8	2283.0	1756.9	1341.9	998.7	219.4	33.8	12.7
67.5°	5111.8	4393.0	3657.3	2941.3	2326.6	1813.2	1395.4	1056.4	247.6	32.4	9.8
70°	4464.7	3935.8	3331.0	2751.4	2194.4	1723.1	1341.9	1024.0	258.8	30.9	8.4
72.5°	3038.4	2674.0	2316.8	1906.0	1527.6	1259.0	979.0	721.6	181.5	25.3	7.0
75°	1012.8	987.5	883.4	669.6	562.7	457.2	365.7	281.3	68.9	15.5	7.0
77.5°	168.8	144.9	126.6	121.0	101.3	98.5	85.8	68.9	29.5	9.8	7.0
80°	98.5	90.0	78.8	70.3	61.9	54.9	46.4	39.4	18.3	7.0	8.4
82.5°	73.1	64.7	57.7	50.6	43.6	38.0	32.4	26.7	9.8	7.0	8.4
85°	42.2	36.6	32.4	28.1	22.5	19.7	16.9	14.1	7.0	7.0	7.0
87.5°	8.4	8.4	7.0	7.0	7.0	7.0	7.0	5.6	7.0	7.0	5.6
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	135.0	130.8	129.4	129.4	129.4	129.4	129.4
5°	123.8	119.6	116.8	115.3	115.3	115.3	115.3
7.5°	115.3	109.7	106.9	104.1	104.1	102.7	102.7
10°	106.9	101.3	97.1	94.2	92.8	92.8	92.8
12.5°	99.9	94.2	88.6	85.8	85.8	84.4	84.4
15°	94.2	85.8	81.6	78.8	78.8	77.4	77.4
17.5°	87.2	80.2	76.0	73.1	71.7	71.7	71.7
20°	80.2	73.1	68.9	67.5	66.1	66.1	64.7
22.5°	74.6	67.5	63.3	61.9	60.5	60.5	59.1
25°	68.9	61.9	57.7	56.3	54.9	53.5	53.5
27.5°	64.7	57.7	53.5	50.6	49.2	47.8	47.8
30°	60.5	52.0	47.8	45.0	43.6	42.2	42.2
32.5°	56.3	47.8	42.2	39.4	38.0	36.6	36.6
35°	50.6	42.2	36.6	35.2	33.8	32.4	30.9
37.5°	46.4	36.6	32.4	29.5	28.1	26.7	26.7
40°	40.8	32.4	28.1	25.3	22.5	21.1	21.1
42.5°	36.6	28.1	23.9	19.7	18.3	16.9	16.9
45°	32.4	25.3	19.7	15.5	14.1	12.7	12.7
47.5°	28.1	21.1	15.5	12.7	11.3	9.8	9.8
50°	23.9	16.9	11.3	8.4	9.8	8.4	8.4
52.5°	21.1	12.7	8.4	8.4	8.4	8.4	8.4
55°	16.9	9.8	7.0	7.0	8.4	8.4	8.4
57.5°	14.1	7.0	5.6	7.0	7.0	7.0	7.0
60°	9.8	5.6	5.6	7.0	7.0	7.0	7.0
62.5°	8.4	5.6	5.6	5.6	7.0	7.0	7.0
64°	7.0	5.6	5.6	5.6	7.0	7.0	7.0
65°	7.0	5.6	5.6	5.6	7.0	7.0	7.0
67.5°	7.0	5.6	5.6	5.6	7.0	7.0	7.0
70°	5.6	5.6	5.6	5.6	7.0	7.0	7.0
72.5°	5.6	5.6	5.6	5.6	7.0	7.0	7.0
75°	5.6	5.6	5.6	5.6	7.0	7.0	7.0
77.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
80°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
82.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
85°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
87.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)