

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: P155251

Luminaire Tested: **AVM-E03-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155251  
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-E03-LED-E-U-T3-HSS-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD  
Light Source: (63) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5018.6 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

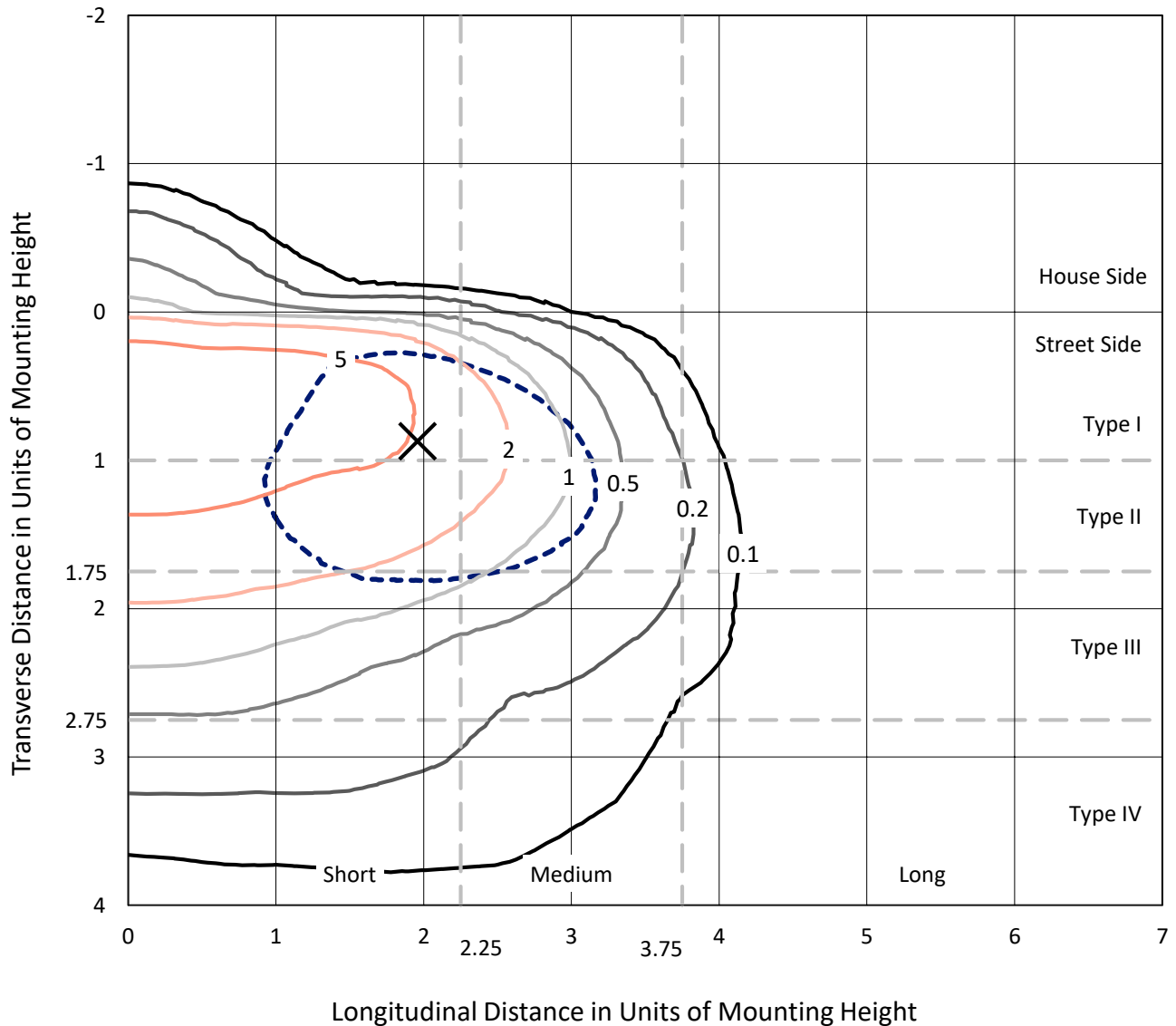
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

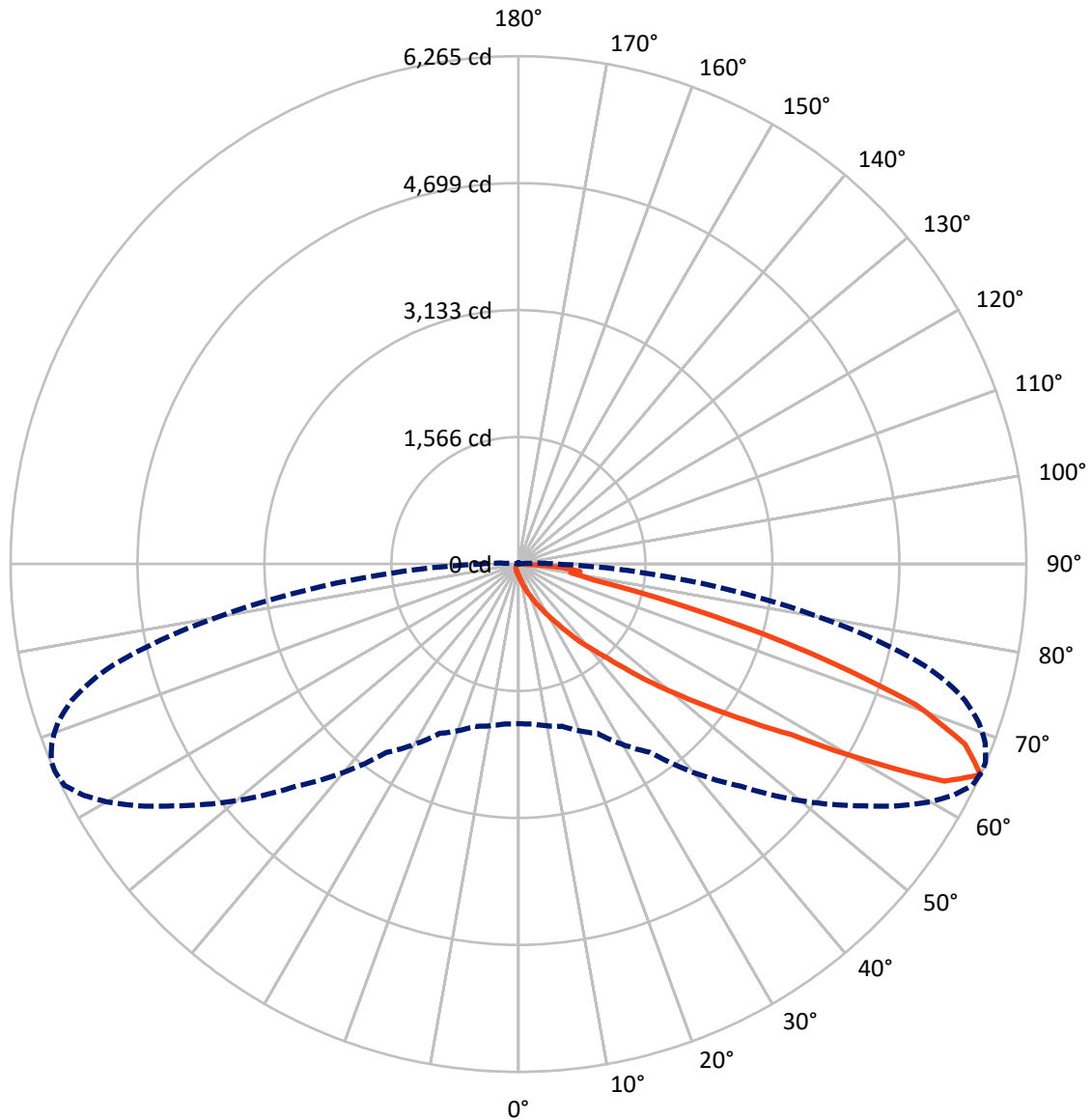
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	100.8	0.0	100.8
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	4917.9	0.0	4917.9
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	5018.6	0.0	5018.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.1	0.3
10°-20°	81.6	1.6
20°-30°	186.4	3.7
30°-40°	354.6	7.1
40°-50°	711.8	14.2
50°-60°	1259.5	25.1
60°-70°	1645.7	32.8
70°-80°	676.6	13.5
80°-90°	85.2	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°	5018.6	100.0
0°-180°	5018.6	100.0



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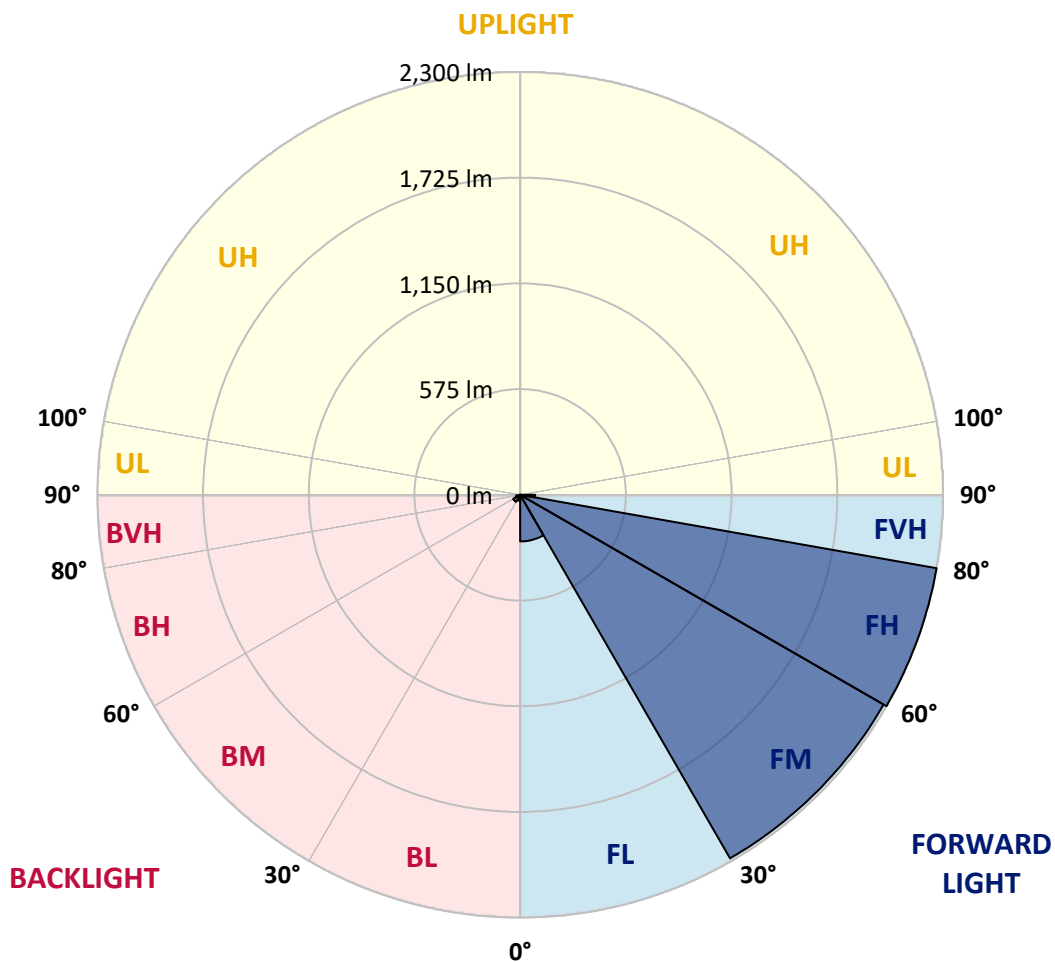
CATALOG NUMBER: AVM-E03-LED-E-U-T3-HSS-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.6	5.1			
FM	(30°-60°)	2282.8	45.5			
FH	(60°-80°)	2300.0	45.8			G2/5000
FVH	(80°-90°)	81.4	1.6			G1/100
BL	(0°-30°)	31.5	0.6	B0/110		
BM	(30°-60°)	43.1	0.9	B0/220		
BH	(60°-80°)	22.3	0.4	B0/110		G0/110
BVH	(80°-90°)	3.8	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°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	184.7	181.6	182.6	176.5	172.4	167.3	163.2	162.1	161.1	159.0	160.1
5°	265.8	262.7	255.5	243.2	231.9	214.5	197.0	196.0	192.9	189.8	187.8
7.5°	369.4	364.3	356.1	335.5	307.8	277.0	242.2	239.1	235.0	230.9	226.8
10°	489.5	486.4	471.0	447.4	405.3	355.0	296.5	293.5	284.2	279.1	275.0
12.5°	615.7	602.3	596.2	555.1	506.9	438.1	363.2	352.0	344.8	337.6	327.3
15°	711.1	713.1	698.8	665.9	609.5	529.5	436.1	423.8	413.5	400.2	387.9
17.5°	797.3	793.2	777.8	757.3	703.9	622.8	514.1	497.7	481.2	474.1	456.6
20°	867.1	865.0	852.7	833.2	792.2	714.2	596.2	582.8	564.4	552.0	532.5
22.5°	922.5	922.5	915.3	904.0	864.0	801.4	683.4	669.0	650.6	635.2	613.6
25°	966.6	965.6	966.6	961.5	934.8	877.3	772.7	756.2	740.8	722.4	701.9
27.5°	1016.9	1018.9	1016.9	1013.8	1002.5	956.3	863.0	851.7	834.2	814.7	794.2
30°	1094.9	1088.7	1087.7	1085.6	1072.3	1043.5	956.3	943.0	929.7	916.3	901.9
32.5°	1176.9	1166.7	1163.6	1163.6	1154.4	1128.7	1064.1	1056.9	1037.4	1027.1	1014.8
35°	1270.3	1266.2	1262.1	1263.1	1259.0	1232.4	1179.0	1181.0	1174.9	1154.4	1142.1
37.5°	1406.8	1407.8	1400.6	1387.3	1387.3	1363.7	1332.9	1328.8	1313.4	1308.3	1301.1
40°	1601.8	1596.6	1590.5	1571.0	1563.8	1523.8	1495.0	1484.8	1472.5	1471.4	1463.2
42.5°	1827.5	1821.3	1821.3	1807.0	1792.6	1744.4	1690.0	1682.8	1669.5	1673.6	1670.5
45°	2036.8	2041.9	2049.1	2059.4	2061.4	2040.9	1961.9	1952.7	1945.5	1941.4	1938.3
47.5°	2217.4	2226.6	2250.2	2294.4	2350.8	2358.0	2295.4	2270.8	2265.6	2258.5	2252.3
50°	2346.7	2360.0	2413.4	2499.6	2609.4	2677.1	2643.2	2622.7	2621.7	2602.2	2600.2
52.5°	2420.6	2434.9	2522.2	2652.5	2822.8	2955.2	2997.3	2996.2	2994.2	2976.7	2969.5
55°	2437.0	2452.4	2557.1	2734.6	2977.8	3206.6	3367.7	3371.8	3381.0	3375.9	3375.9
57.5°	2391.9	2411.3	2525.2	2744.8	3058.8	3405.6	3757.6	3781.2	3792.5	3832.5	3878.7
60°	2308.7	2323.1	2437.0	2682.2	3073.2	3587.3	4264.5	4339.4	4397.9	4476.9	4551.8
62.5°	2154.8	2183.6	2292.3	2559.1	3030.1	3796.6	4869.9	5008.4	5122.3	5242.4	5387.1
65°	1968.1	1980.4	2072.7	2305.7	2837.2	3876.6	5204.4	5339.9	5485.6	5613.8	5743.1
67.5°	1734.1	1744.4	1824.4	1923.9	2341.6	3502.1	4875.0	5024.8	5156.2	5261.9	5431.2
70°	1135.9	1158.5	1354.5	1453.0	1636.6	2588.9	3986.4	4131.1	4231.7	4303.5	4499.5
72.5°	832.2	846.5	925.5	1128.7	1173.9	1529.9	2805.4	2962.4	2999.3	3134.8	3226.1
75°	507.9	543.8	722.4	966.6	1144.1	1047.7	1680.8	1756.7	1841.9	1940.4	2027.6
77.5°	102.6	117.0	236.0	665.9	1006.6	1119.5	1003.5	1017.9	1060.0	1069.2	1102.0
80°	16.4	17.4	30.8	287.3	582.8	905.0	1003.5	990.2	966.6	950.2	933.8
82.5°	7.2	8.2	13.3	72.9	124.2	301.7	868.1	935.8	1013.8	1056.9	1068.2
85°	3.1	3.1	5.1	14.4	18.5	20.5	146.7	193.9	345.8	459.7	529.5
87.5°	2.1	2.1	3.1	3.1	4.1	5.1	7.2	7.2	8.2	9.2	13.3
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	160.1	159.0	159.0	156.0	156.0	154.9	154.9	153.9	153.9	151.9	152.9
5°	186.8	184.7	182.6	179.6	178.5	176.5	174.4	171.4	170.3	168.3	167.3
7.5°	222.7	220.6	216.5	210.4	206.2	202.1	198.0	193.9	190.9	187.8	185.7
10°	266.8	260.6	258.6	246.3	241.1	232.9	227.8	223.7	217.5	212.4	209.3
12.5°	320.1	315.0	304.8	288.3	280.1	272.9	263.7	255.5	249.3	240.1	234.0
15°	375.6	371.5	357.1	338.6	328.4	315.0	305.8	297.6	284.2	278.1	266.8
17.5°	445.3	433.0	418.7	392.0	378.6	367.3	350.9	338.6	330.4	311.9	301.7
20°	517.2	503.8	485.3	455.6	437.1	419.7	406.3	389.9	372.5	360.2	342.7
22.5°	599.2	577.7	563.3	526.4	504.8	486.4	463.8	446.4	428.9	409.4	389.9
25°	686.5	664.9	647.5	605.4	582.8	564.4	537.7	513.1	491.5	470.0	447.4
27.5°	777.8	758.3	738.8	695.7	676.2	650.6	625.9	597.2	569.5	550.0	519.2
30°	883.5	867.1	845.5	799.3	777.8	751.1	725.5	691.6	664.9	638.2	608.5
32.5°	997.4	984.0	961.5	920.4	894.8	872.2	844.5	811.6	773.7	746.0	711.1
35°	1135.9	1113.3	1100.0	1061.0	1041.5	1016.9	988.1	959.4	919.4	880.4	850.6
37.5°	1293.9	1283.7	1266.2	1229.3	1214.9	1189.3	1170.8	1142.1	1111.3	1062.0	1030.2
40°	1456.0	1448.9	1433.5	1396.5	1382.2	1364.7	1343.2	1315.5	1278.5	1252.9	1205.7
42.5°	1662.3	1651.0	1638.7	1603.8	1576.1	1554.5	1545.3	1521.7	1482.7	1449.9	1412.9
45°	1923.9	1918.8	1902.4	1867.5	1839.8	1825.4	1811.1	1771.1	1745.4	1712.6	1686.9
47.5°	2240.0	2223.6	2215.4	2176.4	2167.1	2155.8	2118.9	2096.3	2059.4	2033.7	2001.9
50°	2581.7	2564.2	2565.3	2518.1	2520.1	2511.9	2484.2	2457.5	2425.7	2403.1	2383.6
52.5°	2949.0	2957.2	2936.7	2951.1	2934.7	2916.2	2911.1	2878.2	2850.5	2849.5	2822.8
55°	3400.5	3387.2	3392.3	3406.7	3384.1	3404.6	3394.4	3352.3	3353.3	3361.5	3330.7
57.5°	3885.9	3905.4	3947.4	3956.7	3995.7	3969.0	4038.8	3988.5	4019.3	4019.3	3998.7
60°	4598.0	4676.0	4777.5	4856.6	4929.4	4905.8	4997.1	4939.7	4980.7	4945.8	4928.4
62.5°	5455.8	5559.4	5679.5	5807.8	5881.6	5900.1	5886.8	5912.4	5872.4	5846.7	5780.1
65°	5868.3	5970.9	6075.6	6229.5	6250.0	6265.4	6259.2	6216.1	6166.9	6094.0	6006.8
67.5°	5525.6	5669.2	5727.7	5905.2	5964.8	5943.2	5950.4	5895.0	5818.0	5746.2	5617.9
70°	4581.6	4745.7	4776.5	5031.0	5101.8	5204.4	5167.5	5151.0	5066.9	5006.4	4864.8
72.5°	3335.9	3464.1	3453.9	3740.2	3727.8	3769.9	3869.4	3865.3	3777.1	3757.6	3638.6
75°	2053.2	2130.2	2126.1	2329.3	2244.1	2231.8	2259.5	2247.2	2164.1	2077.9	2004.0
77.5°	1087.7	1122.6	1085.6	1025.1	1018.9	950.2	930.7	929.7	866.0	788.0	730.6
80°	916.3	880.4	837.3	749.1	697.8	651.6	608.5	568.5	525.4	467.9	398.1
82.5°	1070.2	1052.8	1022.0	911.2	857.8	765.5	696.7	632.1	553.1	493.6	404.3
85°	521.3	520.2	544.9	533.6	514.1	510.0	442.3	427.9	396.1	363.2	303.7
87.5°	14.4	10.3	12.3	10.3	12.3	13.3	9.2	21.5	13.3	12.3	14.4
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	151.9	150.8	149.8	149.8	148.8	148.8	147.8	146.7	146.7	145.7	145.7
5°	165.2	163.2	162.1	161.1	159.0	158.0	156.0	154.9	152.9	151.9	149.8
7.5°	181.6	179.6	175.5	173.4	170.3	169.3	164.2	162.1	160.1	158.0	154.9
10°	202.1	197.0	192.9	188.8	183.7	179.6	175.5	172.4	168.3	163.2	161.1
12.5°	227.8	220.6	214.5	207.3	201.1	195.0	187.8	182.6	176.5	171.4	166.2
15°	256.5	246.3	238.1	227.8	217.5	210.4	203.2	196.0	187.8	180.6	174.4
17.5°	289.4	276.0	264.7	252.4	241.1	230.9	218.6	209.3	200.1	189.8	181.6
20°	324.2	310.9	295.5	282.2	265.8	254.5	239.1	226.8	213.4	203.2	191.9
22.5°	370.4	353.0	333.5	315.0	297.6	280.1	263.7	248.3	231.9	216.5	205.2
25°	424.8	403.3	378.6	360.2	335.5	316.0	295.5	276.0	258.6	239.1	220.6
27.5°	492.5	463.8	437.1	411.5	384.8	360.2	333.5	310.9	287.3	264.7	244.2
30°	571.5	543.8	503.8	475.1	448.4	414.5	387.9	358.1	331.4	298.6	276.0
32.5°	676.2	640.3	598.2	560.3	525.4	487.4	450.5	412.5	377.6	347.8	314.0
35°	812.7	770.6	720.3	672.1	633.1	586.9	539.7	496.6	456.6	413.5	371.5
37.5°	985.1	946.1	891.7	833.2	780.9	725.5	676.2	615.7	562.3	510.0	456.6
40°	1156.4	1120.5	1064.1	1001.5	933.8	870.1	807.5	738.8	671.1	605.4	550.0
42.5°	1367.8	1314.4	1253.9	1183.1	1117.4	1041.5	963.5	884.5	803.4	724.4	645.4
45°	1633.6	1592.5	1507.3	1431.4	1353.4	1264.2	1167.7	1077.4	973.8	880.4	775.7
47.5°	1956.8	1882.9	1820.3	1750.5	1653.1	1566.9	1443.7	1337.0	1207.7	1083.6	958.4
50°	2338.5	2297.5	2214.3	2127.1	2021.4	1918.8	1798.8	1644.8	1489.9	1357.5	1186.2
52.5°	2784.9	2726.4	2674.0	2583.7	2476.0	2344.7	2208.2	2040.9	1851.1	1664.3	1481.7
55°	3314.3	3273.3	3223.0	3151.2	3013.7	2864.9	2700.7	2500.6	2275.9	2024.5	1812.1
57.5°	3997.7	3954.6	3906.4	3758.6	3665.2	3482.6	3244.5	3037.3	2795.1	2472.9	2209.2
60°	4930.4	4871.9	4804.2	4684.2	4489.2	4252.2	3996.7	3689.9	3393.3	3041.4	2695.6
62.5°	5727.7	5634.3	5489.7	5334.7	5100.8	4828.9	4507.7	4146.5	3808.9	3412.8	3028.0
65°	5891.9	5763.6	5593.3	5391.2	5150.0	4843.2	4507.7	4161.9	3764.8	3392.3	3005.5
67.5°	5465.0	5316.3	5141.8	4916.1	4686.2	4370.2	4080.8	3728.9	3355.4	3033.2	2687.4
70°	4763.2	4542.6	4364.0	4123.9	3891.0	3642.7	3337.9	3074.2	2770.5	2473.9	2209.2
72.5°	3577.0	3359.5	3197.3	3005.5	2866.9	2604.3	2380.6	2183.6	2004.0	1782.3	1586.4
75°	1928.1	1764.9	1656.1	1568.9	1444.8	1271.3	1164.6	1029.2	953.3	860.9	771.6
77.5°	629.0	554.1	473.0	394.0	338.6	254.5	246.3	196.0	184.7	179.6	138.5
80°	322.2	248.3	179.6	129.3	98.5	87.2	83.1	79.0	74.9	71.8	66.7
82.5°	323.2	234.0	161.1	111.8	81.1	67.7	63.6	61.6	58.5	55.4	51.3
85°	236.0	174.4	120.1	82.1	56.4	45.1	43.1	40.0	38.0	36.9	32.8
87.5°	15.4	11.3	10.3	9.2	9.2	9.2	10.3	9.2	10.3	10.3	9.2
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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 CATALOG NUMBER: AVM-E03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	144.7	143.7	143.7	142.6	141.6	141.6	140.6	140.6	137.5	132.4	128.3
5°	148.8	146.7	145.7	144.7	143.7	141.6	140.6	139.6	134.4	124.2	115.9
7.5°	151.9	149.8	148.8	146.7	143.7	142.6	140.6	138.5	130.3	115.9	106.7
10°	157.0	153.9	150.8	147.8	144.7	142.6	139.6	137.5	125.2	108.8	99.5
12.5°	162.1	158.0	153.9	148.8	145.7	142.6	139.6	135.4	121.1	102.6	92.3
15°	168.3	162.1	157.0	151.9	146.7	142.6	137.5	134.4	117.0	97.5	88.2
17.5°	174.4	167.3	160.1	152.9	147.8	141.6	137.5	132.4	112.9	93.4	83.1
20°	181.6	171.4	164.2	156.0	148.8	141.6	135.4	130.3	108.8	88.2	78.0
22.5°	191.9	179.6	168.3	159.0	149.8	142.6	135.4	128.3	104.7	84.1	73.9
25°	205.2	189.8	176.5	165.2	153.9	144.7	136.5	129.3	101.6	81.1	68.7
27.5°	224.7	205.2	190.9	175.5	161.1	149.8	139.6	131.3	99.5	78.0	65.7
30°	248.3	228.8	206.2	187.8	172.4	157.0	145.7	133.4	97.5	74.9	61.6
32.5°	283.2	255.5	228.8	206.2	184.7	167.3	150.8	138.5	96.5	69.8	57.5
35°	333.5	295.5	263.7	234.0	204.2	182.6	163.2	146.7	95.4	65.7	53.4
37.5°	405.3	360.2	319.1	277.0	240.1	209.3	182.6	161.1	95.4	62.6	49.3
40°	482.3	423.8	371.5	319.1	271.9	232.9	197.0	170.3	93.4	58.5	45.1
42.5°	569.5	497.7	425.8	361.2	302.7	252.4	210.4	177.5	88.2	54.4	41.0
45°	686.5	592.1	505.9	422.8	346.8	281.2	227.8	185.7	83.1	51.3	36.9
47.5°	833.2	723.4	611.6	506.9	407.4	324.2	253.4	199.1	80.0	47.2	33.9
50°	1051.8	895.8	748.0	614.6	488.4	379.7	291.4	218.6	77.0	44.1	30.8
52.5°	1291.9	1100.0	926.6	755.2	598.2	454.6	335.5	244.2	73.9	41.0	27.7
55°	1584.3	1348.3	1136.9	914.3	713.1	541.8	389.9	272.9	69.8	38.0	25.7
57.5°	1945.5	1646.9	1396.5	1124.6	872.2	654.7	462.8	321.2	65.7	33.9	22.6
60°	2348.8	2011.2	1696.2	1377.0	1071.3	804.5	570.5	389.9	61.6	29.8	19.5
62.5°	2639.1	2268.7	1908.6	1550.4	1214.9	916.3	657.7	443.3	55.4	25.7	17.4
65°	2636.1	2260.5	1898.3	1545.3	1219.0	920.4	660.8	453.5	49.3	22.6	15.4
67.5°	2348.8	2032.7	1709.5	1392.4	1107.2	837.3	611.6	420.7	42.1	20.5	13.3
70°	1932.2	1680.8	1425.3	1173.9	945.0	717.2	528.4	366.3	35.9	18.5	11.3
72.5°	1410.9	1227.2	1071.3	893.7	737.8	566.4	421.7	287.3	28.7	15.4	10.3
75°	700.8	627.0	537.7	482.3	411.5	336.6	261.7	167.3	23.6	12.3	9.2
77.5°	133.4	119.0	113.9	98.5	90.3	80.0	70.8	50.3	18.5	9.2	8.2
80°	61.6	56.4	51.3	46.2	41.0	34.9	30.8	26.7	14.4	7.2	9.2
82.5°	48.2	44.1	39.0	34.9	30.8	26.7	22.6	19.5	9.2	6.2	9.2
85°	31.8	27.7	24.6	21.5	18.5	16.4	14.4	12.3	6.2	6.2	6.2
87.5°	9.2	9.2	8.2	8.2	7.2	7.2	6.2	6.2	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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CATALOG NUMBER: AVM-E03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	124.2	119.0	117.0	115.9	115.9	117.0	115.9
5°	109.8	104.7	102.6	100.6	100.6	100.6	101.6
7.5°	100.6	95.4	92.3	91.3	90.3	91.3	91.3
10°	92.3	88.2	84.1	82.1	82.1	82.1	82.1
12.5°	86.2	81.1	77.0	75.9	74.9	74.9	74.9
15°	81.1	74.9	71.8	69.8	68.7	68.7	69.8
17.5°	74.9	69.8	65.7	64.6	64.6	64.6	64.6
20°	70.8	64.6	61.6	59.5	59.5	59.5	59.5
22.5°	65.7	60.5	56.4	54.4	54.4	54.4	54.4
25°	61.6	56.4	52.3	50.3	50.3	50.3	50.3
27.5°	57.5	52.3	48.2	46.2	46.2	46.2	46.2
30°	53.4	48.2	44.1	42.1	42.1	42.1	42.1
32.5°	50.3	44.1	40.0	38.0	38.0	39.0	38.0
35°	45.1	40.0	35.9	33.9	33.9	33.9	33.9
37.5°	41.0	35.9	31.8	29.8	29.8	29.8	28.7
40°	38.0	31.8	27.7	25.7	24.6	24.6	24.6
42.5°	32.8	26.7	23.6	21.5	20.5	20.5	20.5
45°	29.8	23.6	19.5	17.4	17.4	17.4	17.4
47.5°	26.7	20.5	16.4	14.4	14.4	15.4	15.4
50°	23.6	17.4	13.3	13.3	13.3	14.4	14.4
52.5°	20.5	15.4	12.3	12.3	13.3	14.4	14.4
55°	18.5	13.3	11.3	12.3	13.3	14.4	14.4
57.5°	16.4	11.3	11.3	12.3	13.3	14.4	14.4
60°	14.4	10.3	10.3	11.3	13.3	14.4	14.4
62.5°	12.3	10.3	10.3	11.3	13.3	14.4	14.4
65°	11.3	10.3	10.3	11.3	13.3	14.4	14.4
67.5°	10.3	9.2	10.3	11.3	12.3	13.3	13.3
70°	9.2	9.2	10.3	11.3	12.3	13.3	13.3
72.5°	9.2	9.2	9.2	10.3	11.3	12.3	12.3
75°	9.2	9.2	9.2	10.3	11.3	12.3	12.3
77.5°	9.2	8.2	8.2	9.2	11.3	12.3	12.3
80°	9.2	8.2	8.2	9.2	10.3	12.3	12.3
82.5°	7.2	7.2	8.2	9.2	10.3	11.3	11.3
85°	6.2	7.2	7.2	8.2	9.2	11.3	11.3
87.5°	5.1	5.1	6.2	7.2	8.2	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)