

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: P154226

Luminaire Tested: **AVM-F04-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154226  
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-F04-LED-E-U-T2-HSS-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD  
Light Source: (28) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5425.7 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

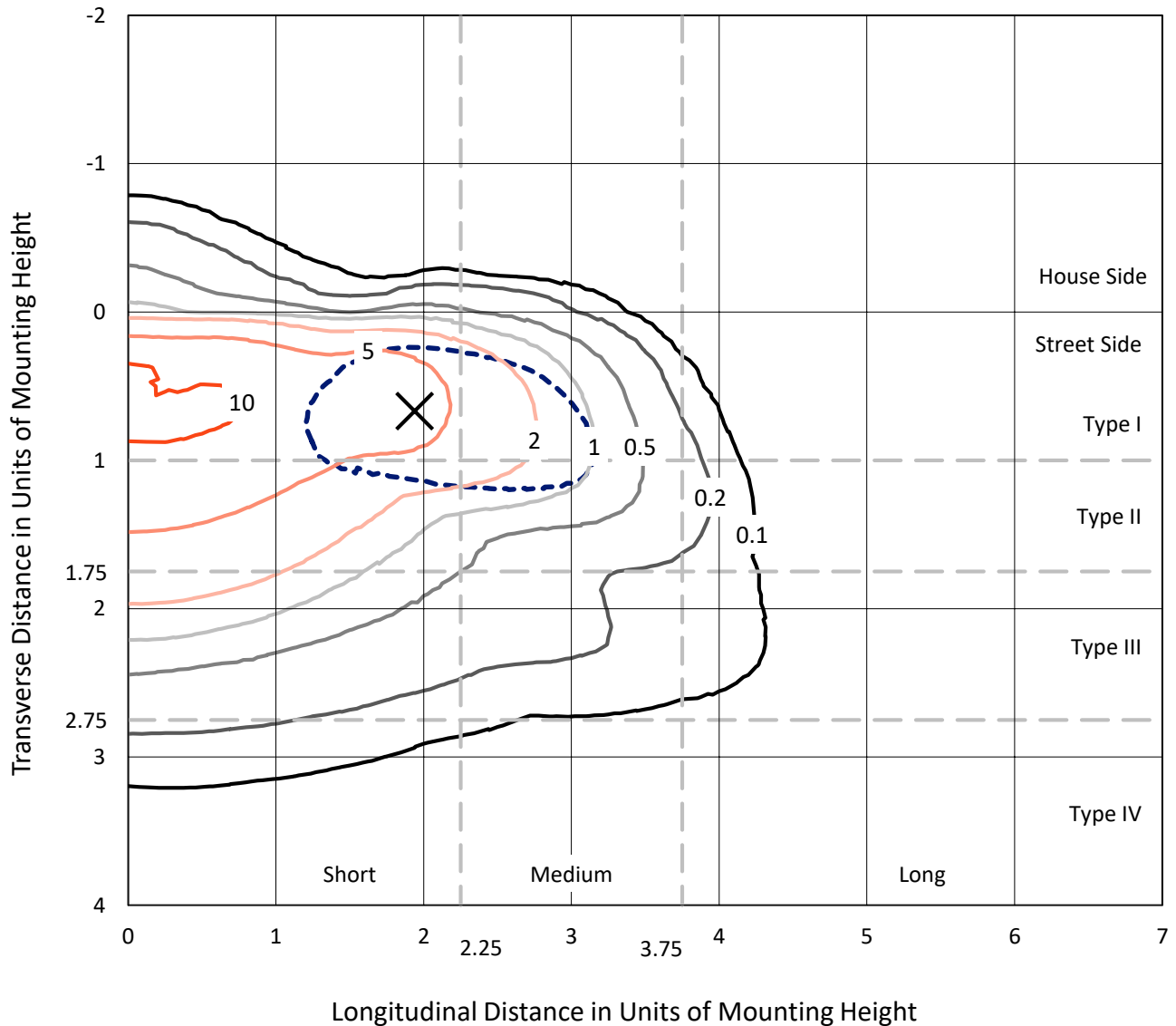
Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

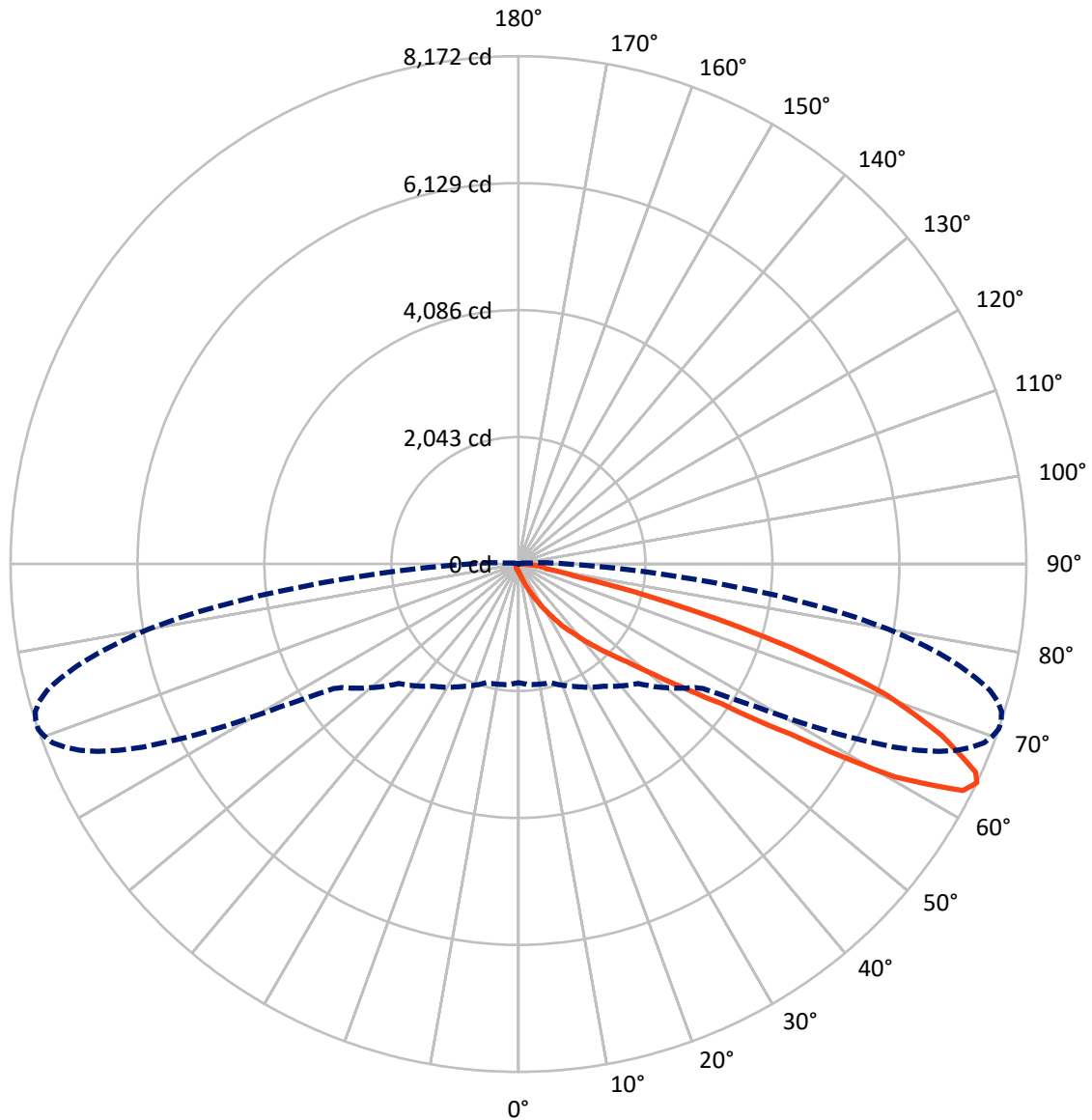
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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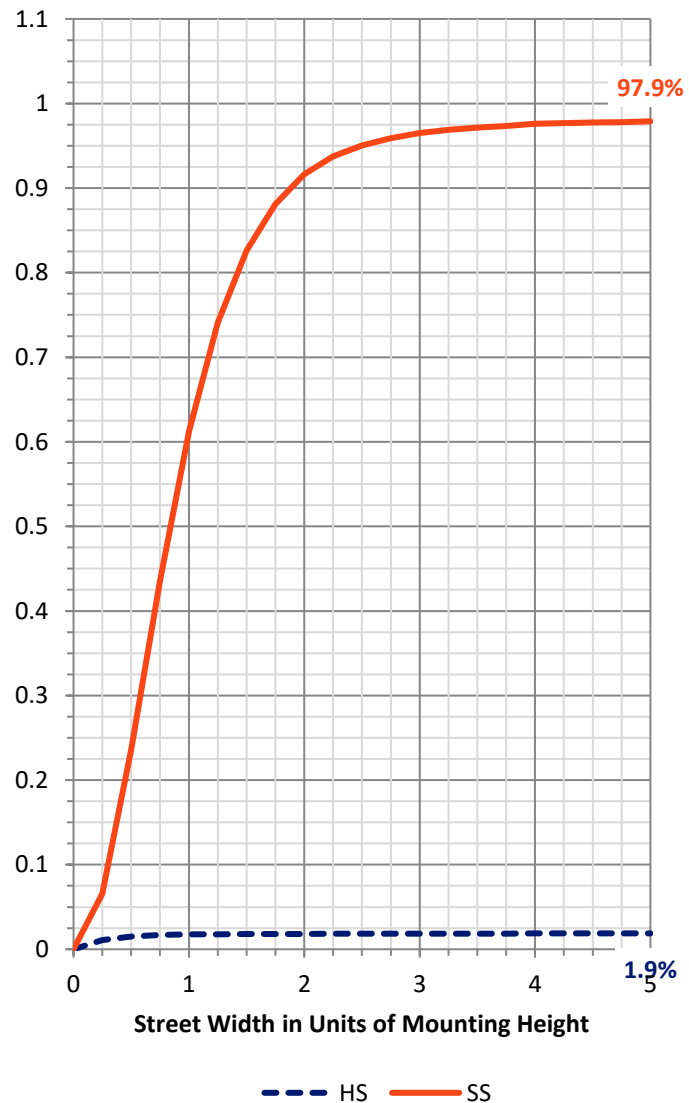
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	103.9	0.0	103.9
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	5321.8	0.0	5321.8
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	5425.7	0.0	5425.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.6	0.3
10°-20°	98.1	1.8
20°-30°	250.6	4.6
30°-40°	506.8	9.3
40°-50°	926.4	17.1
50°-60°	1443.3	26.6
60°-70°	1604.3	29.6
70°-80°	523.2	9.6
80°-90°	56.3	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°	5425.7	100.0
0°-180°	5425.7	100.0



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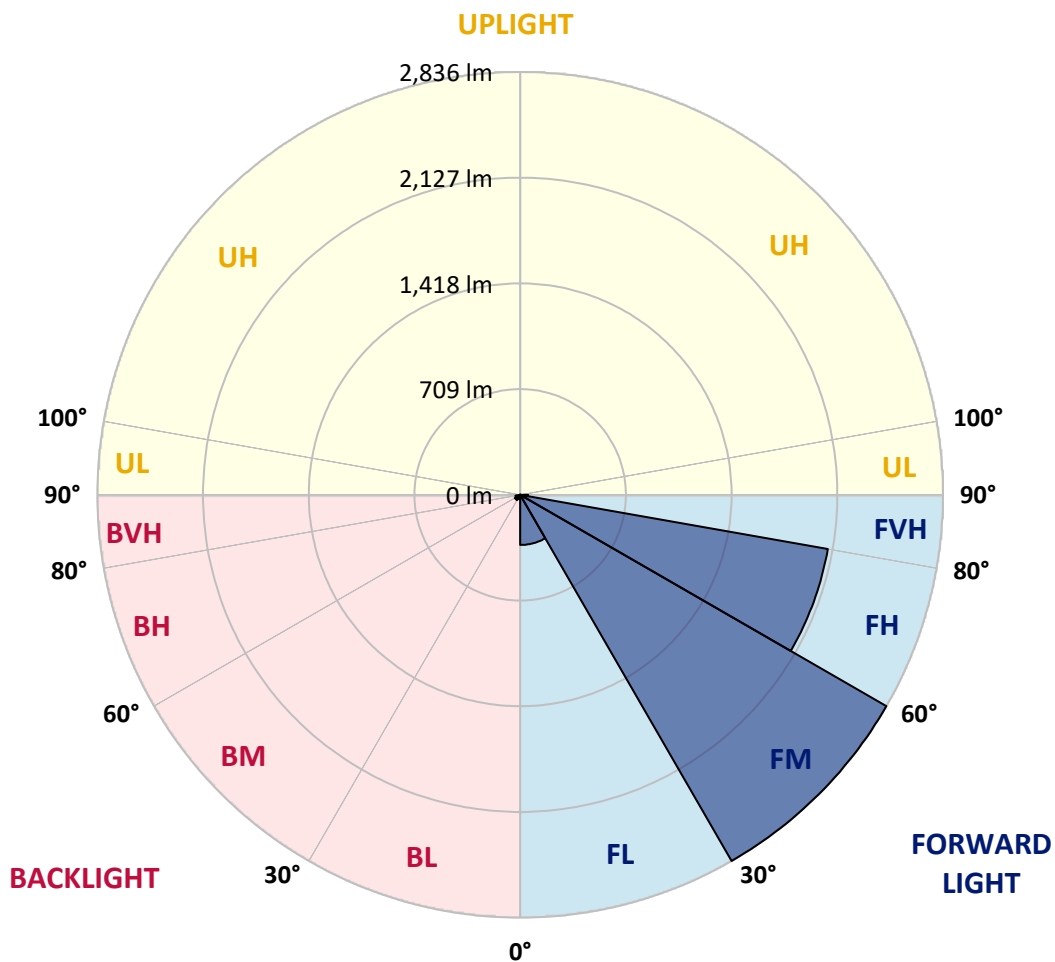
CATALOG NUMBER: AVM-F04-LED-E-U-T2-HSS-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.4	6.2			
FM	(30°-60°)	2836.4	52.3			
FH	(60°-80°)	2095.4	38.6			G2/5000
FVH	(80°-90°)	53.6	1.0			G1/100
BL	(0°-30°)	28.9	0.5	B0/110		
BM	(30°-60°)	40.2	0.7	B0/220		
BH	(60°-80°)	32.1	0.6	B0/110		G0/110
BVH	(80°-90°)	2.7	0.0			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°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	162.6	160.4	160.4	157.0	152.5	148.0	143.4	142.3	141.2	140.0	140.0
5°	255.3	246.2	242.8	230.4	214.6	195.4	178.5	173.9	173.9	170.5	168.3
7.5°	400.9	396.4	372.7	360.3	323.0	276.7	228.1	223.6	222.5	218.0	211.2
10°	587.3	578.3	561.3	525.2	457.4	377.2	308.3	297.0	289.1	280.1	271.1
12.5°	773.7	762.4	737.5	678.8	611.0	508.2	397.6	387.4	375.0	362.5	347.9
15°	960.0	952.1	913.7	855.0	766.9	643.8	503.7	485.7	475.5	450.6	439.3
17.5°	1121.5	1111.4	1080.9	1014.2	922.7	787.2	621.2	598.6	581.7	567.0	539.9
20°	1261.6	1251.4	1222.0	1166.7	1063.9	930.7	747.7	736.4	705.9	683.3	667.5
22.5°	1347.4	1344.0	1324.8	1271.7	1180.3	1061.7	892.3	874.2	853.9	823.4	805.3
25°	1400.5	1397.1	1385.8	1348.5	1286.4	1199.5	1051.5	1028.9	1010.8	983.7	961.1
27.5°	1455.8	1453.6	1444.5	1411.8	1379.0	1324.8	1213.0	1200.6	1161.1	1145.2	1123.8
30°	1547.3	1537.2	1545.1	1529.3	1487.5	1453.6	1375.7	1357.6	1340.6	1313.5	1294.3
32.5°	1693.0	1676.1	1693.0	1676.1	1658.0	1617.3	1542.8	1537.2	1520.2	1503.3	1476.2
35°	1871.5	1864.7	1878.2	1892.9	1878.2	1824.0	1733.7	1716.7	1710.0	1682.9	1672.7
37.5°	2051.1	2063.5	2088.3	2121.1	2112.0	2072.5	1944.9	1929.1	1916.6	1892.9	1874.9
40°	2244.2	2245.3	2298.4	2345.8	2369.6	2345.8	2177.5	2165.1	2148.2	2114.3	2109.8
42.5°	2454.3	2445.2	2484.8	2537.8	2586.4	2619.2	2484.8	2461.0	2437.3	2398.9	2372.9
45°	2640.6	2640.6	2672.2	2721.9	2796.5	2878.9	2808.9	2784.1	2761.5	2729.8	2700.5
47.5°	2778.4	2779.5	2798.7	2871.0	2987.4	3110.5	3112.7	3117.2	3100.3	3063.0	3064.2
50°	2875.5	2863.1	2889.1	2959.1	3093.5	3286.7	3425.6	3433.5	3447.0	3416.5	3425.6
52.5°	2946.7	2941.0	2958.0	3016.7	3151.1	3387.2	3682.0	3715.8	3736.2	3740.7	3778.0
55°	2909.4	2912.8	2953.5	3038.2	3182.7	3453.8	3899.9	3955.3	4002.7	4043.4	4089.7
57.5°	2786.3	2796.5	2867.6	2999.8	3189.5	3508.0	4131.5	4216.2	4305.4	4413.8	4505.3
60°	2589.8	2613.5	2709.5	2894.7	3124.0	3436.9	4200.4	4330.3	4466.9	4631.8	4815.9
62.5°	2301.8	2306.3	2369.6	2549.1	2802.1	3058.5	3884.1	4050.2	4230.9	4469.2	4726.7
64°	1907.6	1948.3	1977.6	2175.3	2401.2	2720.8	3466.2	3581.4	3833.3	4125.8	4450.0
65°	1574.4	1623.0	1646.7	1844.4	2103.0	2408.0	3102.6	3225.7	3491.1	3788.1	4192.5
67.5°	928.4	895.6	964.5	1080.9	1297.7	1659.1	2092.8	2186.6	2384.2	2737.7	3060.8
70°	598.6	598.6	661.8	780.4	981.5	1258.2	1437.8	1398.2	1440.0	1576.7	1804.8
72.5°	384.0	404.3	442.7	543.3	729.6	1054.9	1469.4	1283.0	1185.9	1140.7	1138.5
75°	175.1	186.4	228.1	288.0	389.7	687.8	1481.8	1400.5	1311.3	1225.4	1158.8
77.5°	37.3	42.9	72.3	149.1	189.7	317.4	1051.5	1173.5	1270.6	1298.8	1298.8
80°	19.2	20.3	30.5	70.0	81.3	107.3	405.5	533.1	657.3	821.1	992.8
82.5°	7.9	9.0	18.1	31.6	33.9	32.8	107.3	135.5	186.4	271.1	404.3
85°	2.3	2.3	7.9	12.4	18.1	14.7	23.7	27.1	35.0	50.8	97.1
87.5°	0.0	0.0	1.1	2.3	3.4	5.6	6.8	6.8	6.8	6.8	6.8
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	138.9	138.9	137.8	136.7	136.7	134.4	134.4	133.3	133.3	132.1	132.1
5°	167.2	164.9	162.6	159.3	158.1	155.9	153.6	151.3	149.1	148.0	145.7
7.5°	207.8	205.6	198.8	194.3	188.6	185.2	180.7	177.3	173.9	171.7	167.2
10°	262.0	254.1	250.7	234.9	231.5	223.6	216.9	212.3	203.3	197.7	192.0
12.5°	338.8	324.1	318.5	291.4	283.5	272.2	264.3	253.0	242.8	236.1	225.9
15°	425.8	414.5	393.0	365.9	351.3	338.8	319.6	310.6	297.0	282.4	267.7
17.5°	529.7	509.4	485.7	450.6	432.6	413.4	395.3	376.1	353.5	340.0	324.1
20°	650.6	629.1	599.7	555.7	534.2	515.0	483.4	469.8	442.7	415.6	395.3
22.5°	782.7	761.2	733.0	683.3	655.1	623.4	597.5	573.8	542.1	515.0	491.3
25°	931.8	906.9	885.5	827.9	792.9	760.1	731.9	690.1	663.0	631.4	598.6
27.5°	1101.2	1071.8	1043.6	980.3	947.6	911.5	877.6	833.5	807.5	755.6	725.1
30°	1275.1	1239.0	1209.6	1145.2	1115.9	1078.6	1032.3	992.8	948.7	913.7	864.0
32.5°	1458.1	1428.7	1405.0	1337.3	1300.0	1253.7	1211.9	1170.1	1131.7	1075.2	1030.0
35°	1653.5	1627.5	1601.5	1542.8	1510.1	1475.0	1427.6	1376.8	1323.7	1265.0	1224.3
37.5°	1859.0	1838.7	1818.4	1747.2	1708.8	1671.6	1617.3	1566.5	1519.1	1457.0	1388.1
40°	2074.8	2055.6	2022.8	1964.1	1923.4	1889.5	1839.8	1792.4	1728.0	1659.1	1598.1
42.5°	2345.8	2304.0	2275.8	2211.4	2168.5	2131.2	2087.2	2016.0	1961.8	1879.4	1820.6
45°	2663.2	2623.7	2577.4	2511.9	2458.8	2397.8	2335.7	2287.1	2219.3	2144.8	2069.1
47.5°	3020.1	2988.5	2934.3	2869.9	2816.8	2755.8	2682.4	2620.3	2537.8	2450.9	2348.1
50°	3413.2	3380.4	3344.3	3272.0	3218.9	3161.3	3103.7	3030.3	2955.7	2851.8	2745.7
52.5°	3778.0	3784.7	3763.3	3729.4	3703.4	3643.6	3590.5	3520.4	3454.9	3360.1	3277.6
55°	4138.2	4197.0	4219.6	4252.3	4263.6	4215.0	4213.9	4111.1	4071.6	4016.3	3968.8
57.5°	4613.7	4743.6	4846.4	5045.2	5128.8	5213.5	5229.3	5157.0	5231.5	5135.5	5168.3
60°	5018.1	5256.4	5511.6	6025.5	6283.0	6477.3	6633.2	6748.4	6822.9	6949.4	6956.2
62.5°	5054.2	5429.2	5817.7	6567.7	6920.0	7214.8	7496.1	7692.6	7848.4	7991.9	8026.9
64°	4881.4	5345.6	5817.7	6724.7	7084.9	7412.5	7668.9	7864.3	8023.5	8112.7	8171.5
65°	4567.4	5087.0	5630.2	6620.7	6992.3	7340.2	7585.3	7781.8	7932.0	8021.2	8082.2
67.5°	3383.8	3886.4	4431.9	5585.1	6170.1	6488.6	6802.6	7078.2	7199.0	7312.0	7333.4
70°	2062.3	2427.2	2803.3	3872.8	4416.1	4988.7	5342.2	5745.4	6027.8	6201.7	6259.3
72.5°	1244.6	1371.1	1595.9	2170.8	2691.4	3093.5	3582.6	3967.7	4283.9	4459.0	4547.1
75°	1108.0	1092.2	1121.5	1361.0	1546.2	1787.9	1965.2	2206.9	2402.3	2463.3	2577.4
77.5°	1280.8	1235.6	1189.3	1144.1	1135.1	1112.5	1076.4	1085.4	999.5	917.1	919.4
80°	1140.7	1249.2	1313.5	1266.1	1158.8	1050.4	917.1	751.1	587.3	485.7	442.7
82.5°	572.6	814.3	1047.0	1277.4	1261.6	1165.6	1018.7	836.9	648.3	498.1	397.6
85°	176.2	312.9	440.5	612.2	710.4	696.9	612.2	595.2	424.7	330.9	255.3
87.5°	7.9	7.9	7.9	6.8	7.9	7.9	7.9	9.0	9.0	10.2	10.2
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	132.1	131.0	129.9	128.8	128.8	128.8	127.6	127.6	126.5	126.5	125.4
5°	145.7	143.4	142.3	140.0	140.0	137.8	136.7	135.5	133.3	132.1	131.0
7.5°	163.8	161.5	158.1	154.7	153.6	150.2	146.8	144.6	142.3	140.0	137.8
10°	187.5	183.0	176.2	171.7	168.3	163.8	159.3	155.9	151.3	146.8	144.6
12.5°	218.0	208.9	202.2	194.3	187.5	180.7	172.8	168.3	163.8	157.0	152.5
15°	253.0	244.0	236.1	222.5	211.2	202.2	195.4	185.2	177.3	168.3	161.5
17.5°	312.9	289.1	273.3	259.8	248.5	231.5	218.0	206.7	196.5	185.2	177.3
20°	371.6	351.3	329.8	314.0	289.1	274.5	256.4	240.6	222.5	208.9	195.4
22.5°	457.4	431.4	404.3	380.6	346.7	326.4	302.7	282.4	259.8	237.2	222.5
25°	565.8	527.4	491.3	457.4	425.8	395.3	364.8	332.1	308.3	281.2	256.4
27.5°	679.9	637.0	602.0	557.9	517.3	480.0	441.6	406.6	365.9	330.9	301.6
30°	823.4	764.6	724.0	670.9	630.2	578.3	530.8	484.5	434.8	394.2	352.4
32.5°	969.1	929.5	860.6	815.5	754.5	692.3	642.6	589.6	528.6	475.5	424.7
35°	1161.1	1093.3	1035.7	972.4	905.8	841.4	777.1	701.4	639.3	573.8	511.6
37.5°	1330.5	1261.6	1194.9	1112.5	1036.8	969.1	891.1	812.1	738.6	660.7	586.2
40°	1527.0	1441.2	1362.1	1285.3	1191.6	1111.4	1030.0	931.8	847.1	761.2	673.1
42.5°	1741.6	1654.6	1560.9	1472.8	1370.0	1271.7	1171.2	1073.0	978.1	874.2	771.4
45°	1976.5	1885.0	1780.0	1679.5	1567.7	1459.2	1339.5	1226.6	1114.8	998.4	879.8
47.5°	2267.9	2150.4	2053.3	1927.9	1789.0	1675.0	1528.1	1399.4	1271.7	1136.2	1002.9
50°	2645.1	2511.9	2371.8	2232.9	2079.3	1934.7	1772.1	1619.6	1449.1	1297.7	1145.2
52.5°	3145.5	3046.1	2883.4	2724.2	2536.7	2352.6	2129.0	1931.3	1712.2	1519.1	1332.7
55°	3855.9	3790.4	3649.2	3475.3	3311.5	3042.7	2785.2	2478.0	2193.4	1915.5	1653.5
57.5°	5142.3	5071.2	4914.2	4872.4	4620.5	4422.9	4121.3	3723.7	3241.5	2816.8	2393.3
60°	6994.6	6855.7	6702.1	6673.8	6377.9	6170.1	5870.8	5447.3	4993.2	4315.6	3738.4
62.5°	8029.1	7987.4	7863.1	7710.6	7454.3	7145.9	6809.4	6399.4	5938.6	5344.5	4657.8
64°	8168.1	8129.7	8022.4	7850.7	7593.2	7287.1	6914.4	6505.5	6043.6	5501.5	4874.6
65°	8081.1	8026.9	7935.4	7777.3	7537.8	7244.2	6869.2	6454.7	5986.0	5464.2	4881.4
67.5°	7379.7	7354.9	7271.3	7124.5	6974.3	6710.0	6380.2	6009.7	5626.8	5109.6	4631.8
70°	6266.1	6248.0	6141.9	6083.1	5834.7	5667.5	5401.0	5109.6	4770.7	4410.4	4003.8
72.5°	4645.4	4584.4	4498.5	4409.3	4241.0	4011.8	3803.9	3493.3	3318.3	3014.5	2785.2
75°	2463.3	2424.9	2291.6	2105.3	1897.4	1790.2	1574.4	1381.3	1227.7	1158.8	992.8
77.5°	851.6	775.9	701.4	617.8	490.2	386.3	308.3	246.2	194.3	171.7	143.4
80°	424.7	403.2	379.5	332.1	279.0	224.8	176.2	138.9	114.1	97.1	87.0
82.5°	344.5	304.9	272.2	238.3	190.9	157.0	124.2	101.6	83.6	73.4	64.4
85°	203.3	155.9	118.6	107.3	83.6	72.3	62.1	53.1	45.2	42.9	39.5
87.5°	7.9	10.2	10.2	7.9	10.2	9.0	9.0	7.9	7.9	7.9	7.9
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°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	125.4	124.2	124.2	123.1	122.0	122.0	122.0	120.8	118.6	114.1	110.7
5°	129.9	128.8	127.6	125.4	124.2	123.1	122.0	122.0	116.3	108.4	102.8
7.5°	135.5	133.3	131.0	128.8	127.6	125.4	123.1	122.0	114.1	103.9	98.3
10°	141.2	137.8	134.4	133.3	129.9	127.6	124.2	122.0	112.9	100.5	92.6
12.5°	148.0	143.4	138.9	135.5	131.0	128.8	125.4	122.0	110.7	97.1	88.1
15°	155.9	149.1	143.4	140.0	135.5	129.9	125.4	122.0	108.4	93.7	83.6
17.5°	166.0	158.1	151.3	144.6	137.8	132.1	127.6	123.1	105.0	89.2	77.9
20°	181.8	171.7	160.4	152.5	143.4	136.7	128.8	123.1	102.8	84.7	73.4
22.5°	203.3	187.5	175.1	161.5	150.2	141.2	132.1	125.4	99.4	80.2	67.8
25°	233.8	213.5	193.1	176.2	161.5	149.1	137.8	128.8	97.1	76.8	64.4
27.5°	267.7	244.0	216.9	196.5	176.2	158.1	145.7	134.4	97.1	74.5	61.0
30°	315.1	281.2	248.5	222.5	195.4	175.1	157.0	142.3	97.1	73.4	57.6
32.5°	372.7	334.3	292.5	255.3	223.6	194.3	171.7	152.5	99.4	71.2	55.3
35°	452.9	396.4	346.7	300.4	258.6	224.8	195.4	169.4	102.8	70.0	52.0
37.5°	516.2	448.4	385.1	332.1	283.5	241.7	204.4	176.2	99.4	65.5	48.6
40°	591.8	515.0	438.2	371.6	316.2	262.0	219.1	185.2	97.1	59.9	44.0
42.5°	683.3	587.3	498.1	422.4	353.5	289.1	238.3	196.5	97.1	56.5	40.7
45°	769.1	664.1	564.7	469.8	389.7	318.5	256.4	208.9	96.0	53.1	36.1
47.5°	875.3	751.1	634.7	525.2	432.6	345.6	275.6	220.2	94.9	49.7	32.8
50°	1000.7	849.3	718.3	587.3	474.4	378.4	298.2	232.7	92.6	46.3	29.4
52.5°	1139.6	977.0	809.8	658.5	526.3	413.4	319.6	244.0	89.2	42.9	26.0
55°	1385.8	1162.2	964.5	777.1	605.4	465.3	351.3	260.9	85.8	39.5	22.6
57.5°	1976.5	1606.1	1326.0	1043.6	797.4	597.5	437.1	309.5	81.3	35.0	18.1
60°	3103.7	2492.7	2017.2	1582.3	1206.2	917.1	643.8	457.4	87.0	29.4	15.8
62.5°	3981.3	3278.7	2673.4	2127.9	1652.4	1255.9	937.4	683.3	125.4	26.0	12.4
64°	4210.5	3499.0	2853.0	2281.5	1786.8	1377.9	1045.9	772.5	161.5	26.0	11.3
65°	4244.4	3566.8	2917.3	2337.9	1833.1	1410.7	1077.5	801.9	176.2	27.1	10.2
67.5°	4104.4	3527.2	2936.5	2361.6	1868.1	1455.8	1120.4	848.2	198.8	26.0	7.9
70°	3584.8	3160.2	2674.5	2209.2	1761.9	1383.6	1077.5	822.2	207.8	24.8	6.8
72.5°	2439.6	2147.1	1860.2	1530.4	1226.6	1010.8	786.1	579.4	145.7	20.3	5.6
75°	813.2	792.9	709.3	537.6	451.8	367.1	293.7	225.9	55.3	12.4	5.6
77.5°	135.5	116.3	101.6	97.1	81.3	79.1	68.9	55.3	23.7	7.9	5.6
80°	79.1	72.3	63.2	56.5	49.7	44.0	37.3	31.6	14.7	5.6	6.8
82.5°	58.7	52.0	46.3	40.7	35.0	30.5	26.0	21.5	7.9	5.6	6.8
85°	33.9	29.4	26.0	22.6	18.1	15.8	13.6	11.3	5.6	5.6	5.6
87.5°	6.8	6.8	5.6	5.6	5.6	5.6	5.6	4.5	5.6	5.6	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P154226

CATALOG NUMBER: AVM-F04-LED-E-U-T2-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	108.4	105.0	103.9	103.9	103.9	103.9	103.9
5°	99.4	96.0	93.7	92.6	92.6	92.6	92.6
7.5°	92.6	88.1	85.8	83.6	83.6	82.4	82.4
10°	85.8	81.3	77.9	75.7	74.5	74.5	74.5
12.5°	80.2	75.7	71.2	68.9	68.9	67.8	67.8
15°	75.7	68.9	65.5	63.2	63.2	62.1	62.1
17.5°	70.0	64.4	61.0	58.7	57.6	57.6	57.6
20°	64.4	58.7	55.3	54.2	53.1	53.1	52.0
22.5°	59.9	54.2	50.8	49.7	48.6	48.6	47.4
25°	55.3	49.7	46.3	45.2	44.0	42.9	42.9
27.5°	52.0	46.3	42.9	40.7	39.5	38.4	38.4
30°	48.6	41.8	38.4	36.1	35.0	33.9	33.9
32.5°	45.2	38.4	33.9	31.6	30.5	29.4	29.4
35°	40.7	33.9	29.4	28.2	27.1	26.0	24.8
37.5°	37.3	29.4	26.0	23.7	22.6	21.5	21.5
40°	32.8	26.0	22.6	20.3	18.1	16.9	16.9
42.5°	29.4	22.6	19.2	15.8	14.7	13.6	13.6
45°	26.0	20.3	15.8	12.4	11.3	10.2	10.2
47.5°	22.6	16.9	12.4	10.2	9.0	7.9	7.9
50°	19.2	13.6	9.0	6.8	7.9	6.8	6.8
52.5°	16.9	10.2	6.8	6.8	6.8	6.8	6.8
55°	13.6	7.9	5.6	5.6	6.8	6.8	6.8
57.5°	11.3	5.6	4.5	5.6	5.6	5.6	5.6
60°	7.9	4.5	4.5	5.6	5.6	5.6	5.6
62.5°	6.8	4.5	4.5	4.5	5.6	5.6	5.6
64°	5.6	4.5	4.5	4.5	5.6	5.6	5.6
65°	5.6	4.5	4.5	4.5	5.6	5.6	5.6
67.5°	5.6	4.5	4.5	4.5	5.6	5.6	5.6
70°	4.5	4.5	4.5	4.5	5.6	5.6	5.6
72.5°	4.5	4.5	4.5	4.5	5.6	5.6	5.6
75°	4.5	4.5	4.5	4.5	5.6	5.6	5.6
77.5°	4.5	4.5	4.5	5.6	5.6	5.6	5.6
80°	4.5	4.5	4.5	5.6	5.6	5.6	5.6
82.5°	4.5	4.5	4.5	5.6	5.6	5.6	5.6
85°	4.5	4.5	4.5	5.6	5.6	5.6	5.6
87.5°	4.5	4.5	4.5	5.6	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)