

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: P154189

Luminaire Tested: **AVM-E01-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154189  
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-E01-LED-E-U-T2-HSS-7030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1462.5 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

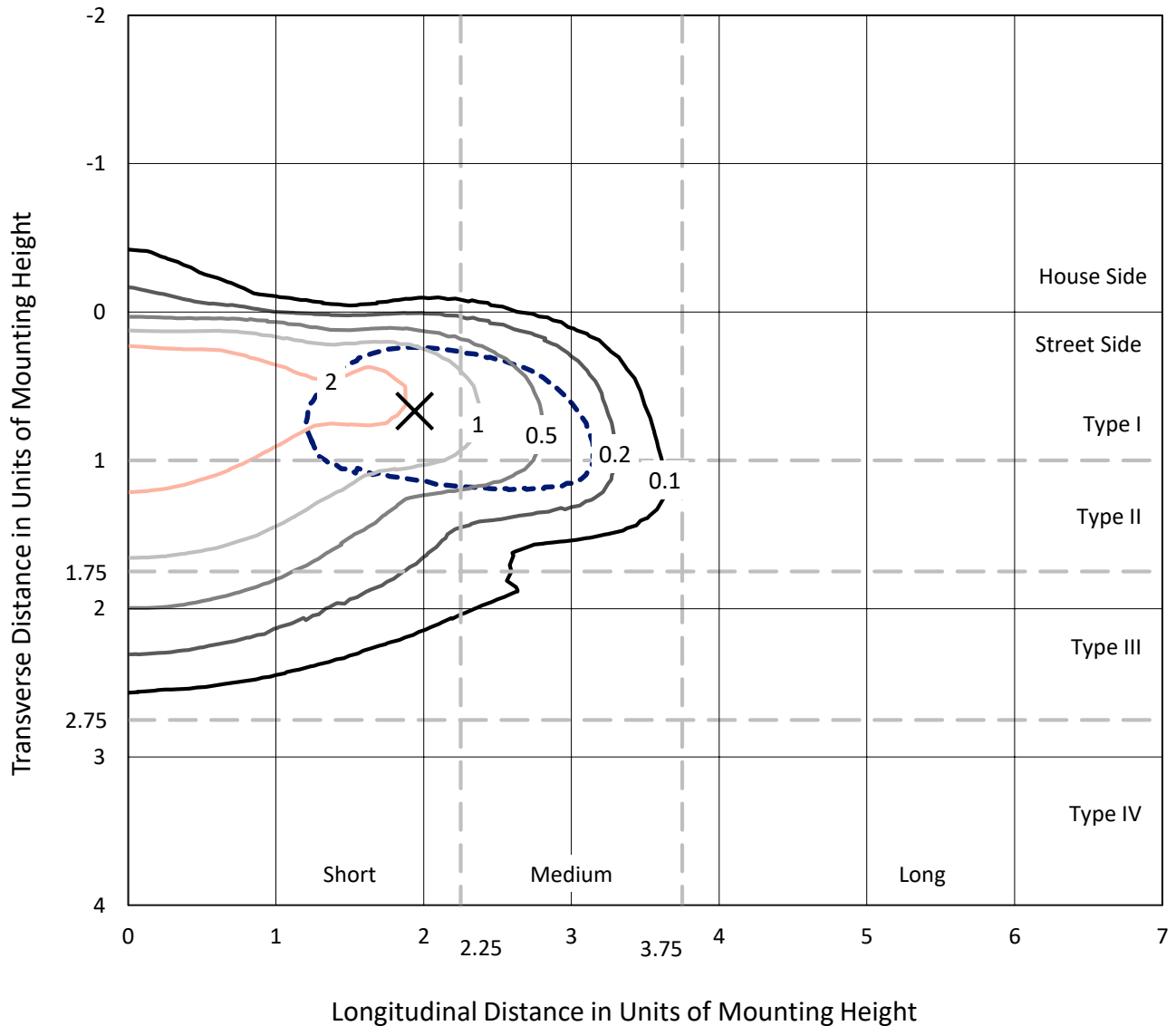
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

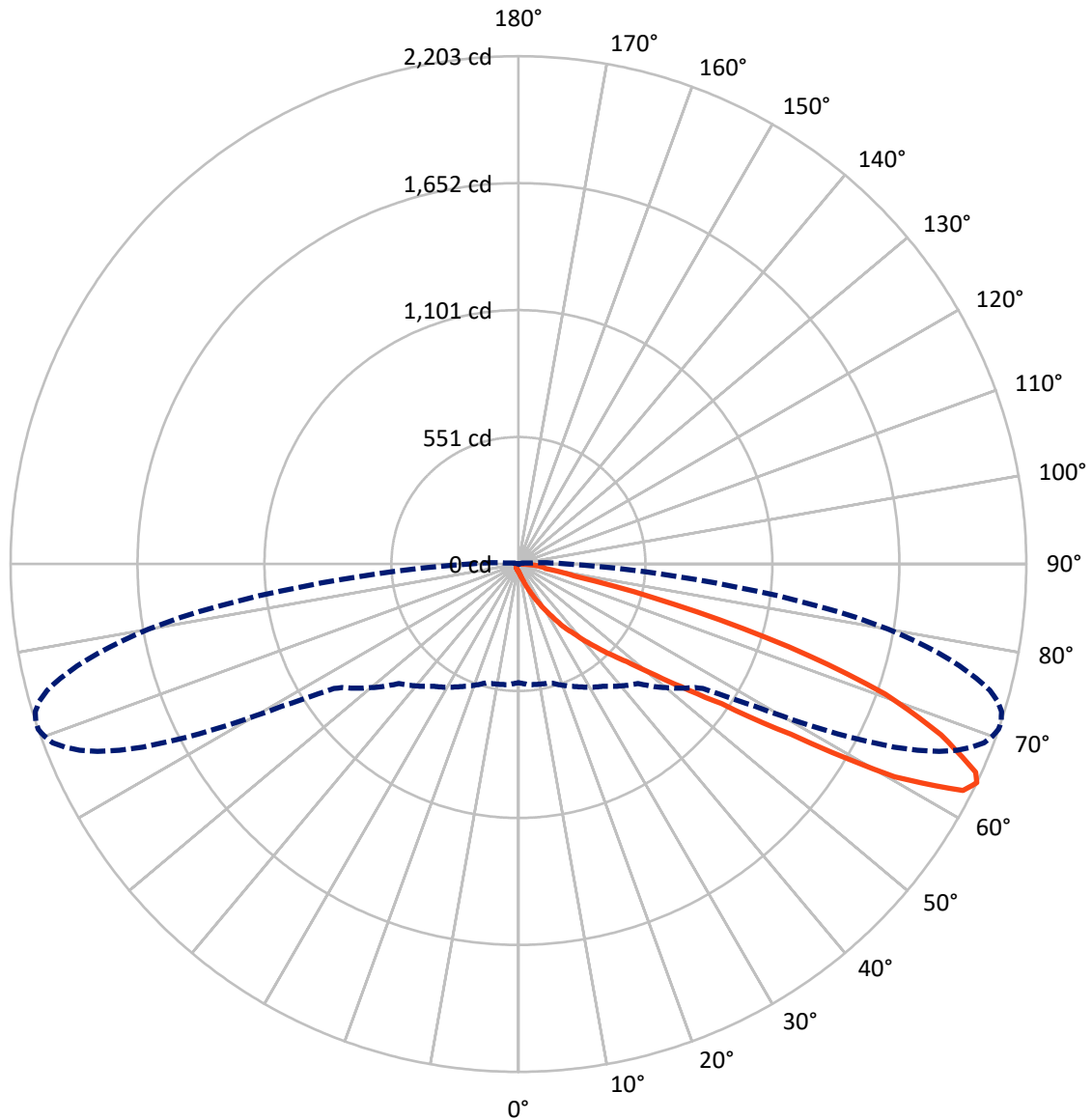
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 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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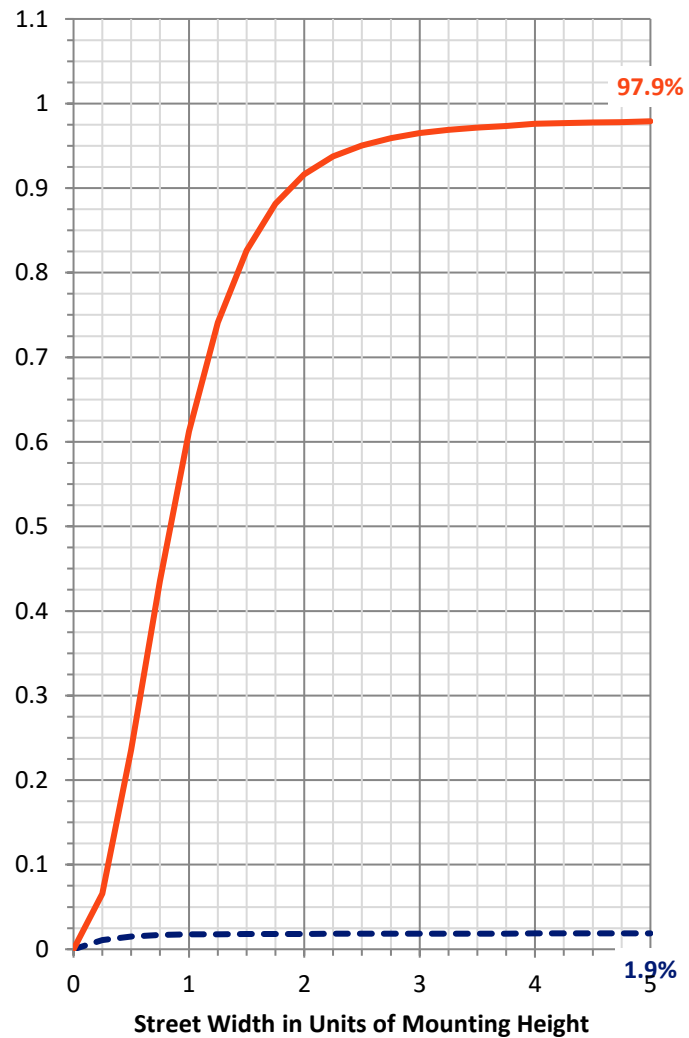
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28.0	0.0	28.0
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	1434.5	0.0	1434.5
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	1462.5	0.0	1462.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.3
10°-20°	26.4	1.8
20°-30°	67.5	4.6
30°-40°	136.6	9.3
40°-50°	249.7	17.1
50°-60°	389.1	26.6
60°-70°	432.5	29.6
70°-80°	141.0	9.6
80°-90°	15.2	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°	1462.5	100.0
0°-180°	1462.5	100.0



--- HS    — SS

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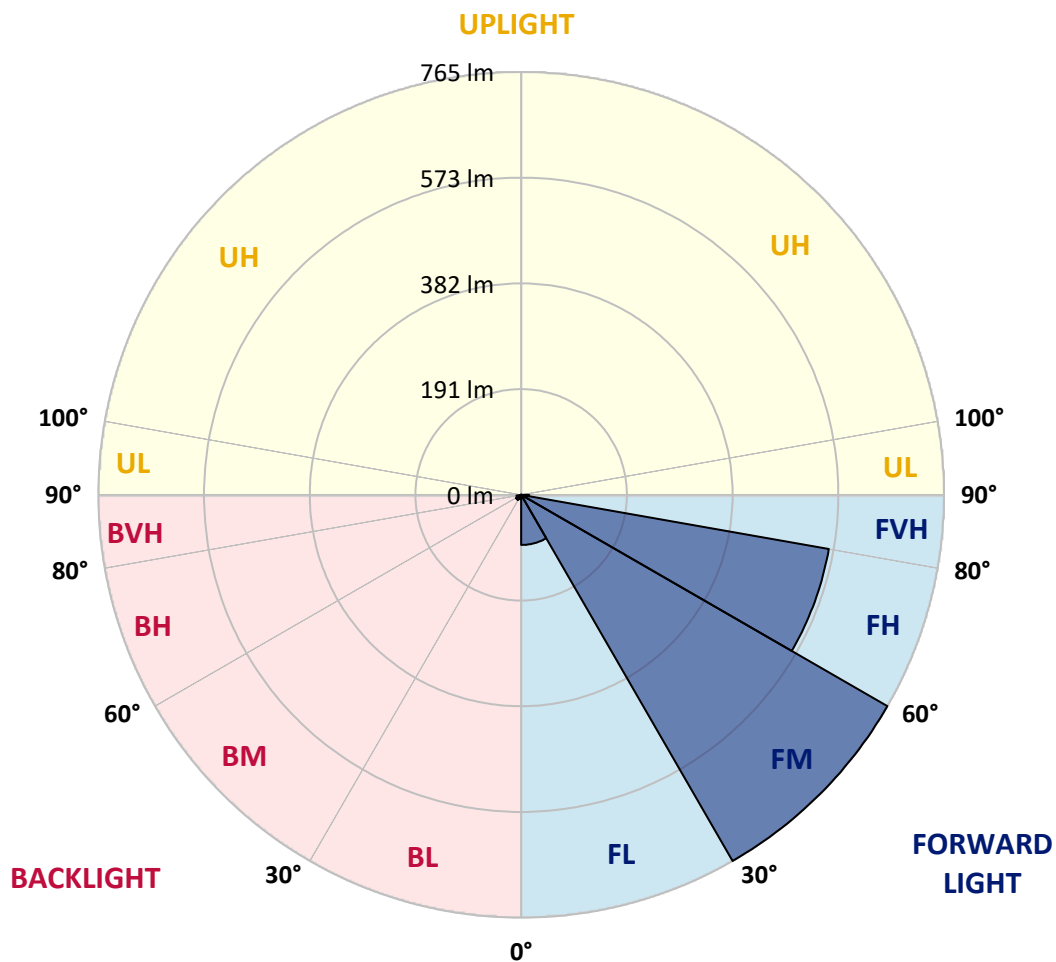
CATALOG NUMBER: AVM-E01-LED-E-U-T2-HSS-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.7	6.2			
FM (30°-60°)	764.6	52.3			
FH (60°-80°)	564.8	38.6			G0/660
FVH (80°-90°)	14.4	1.0			G1/100
BL (0°-30°)	7.8	0.5	B0/110		
BM (30°-60°)	10.8	0.7	B0/220		
BH (60°-80°)	8.6	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	43.8	43.2	43.2	42.3	41.1	39.9	38.7	38.4	38.1	37.8	37.8
5°	68.8	66.4	65.5	62.1	57.8	52.7	48.1	46.9	46.9	46.0	45.4
7.5°	108.1	106.9	100.5	97.1	87.1	74.6	61.5	60.3	60.0	58.8	56.9
10°	158.3	155.9	151.3	141.6	123.3	101.7	83.1	80.1	77.9	75.5	73.1
12.5°	208.5	205.5	198.8	183.0	164.7	137.0	107.2	104.4	101.1	97.7	93.8
15°	258.8	256.7	246.3	230.5	206.7	173.5	135.8	130.9	128.2	121.5	118.4
17.5°	302.3	299.6	291.4	273.4	248.7	212.2	167.4	161.4	156.8	152.8	145.5
20°	340.1	337.3	329.4	314.5	286.8	250.9	201.5	198.5	190.3	184.2	179.9
22.5°	363.2	362.3	357.1	342.8	318.2	286.2	240.5	235.6	230.2	221.9	217.1
25°	377.5	376.6	373.6	363.5	346.8	323.3	283.4	277.4	272.5	265.2	259.1
27.5°	392.4	391.8	389.4	380.6	371.7	357.1	327.0	323.6	313.0	308.7	302.9
30°	417.1	414.4	416.5	412.2	401.0	391.8	370.8	365.9	361.4	354.1	348.9
32.5°	456.4	451.8	456.4	451.8	446.9	436.0	415.9	414.4	409.8	405.2	397.9
35°	504.5	502.6	506.3	510.3	506.3	491.7	467.3	462.8	460.9	453.6	450.9
37.5°	552.9	556.2	562.9	571.8	569.3	558.7	524.3	520.0	516.7	510.3	505.4
40°	604.9	605.2	619.6	632.3	638.7	632.3	587.0	583.6	579.1	569.9	568.7
42.5°	661.6	659.1	669.8	684.1	697.2	706.0	669.8	663.4	657.0	646.7	639.6
45°	711.8	711.8	720.3	733.7	753.8	776.0	757.2	750.5	744.4	735.9	727.9
47.5°	748.9	749.3	754.4	773.9	805.3	838.5	839.1	840.3	835.7	825.7	826.0
50°	775.1	771.8	778.8	797.7	833.9	885.9	923.4	925.5	929.2	921.0	923.4
52.5°	794.3	792.8	797.4	813.2	849.4	913.0	992.5	1001.6	1007.1	1008.3	1018.4
55°	784.3	785.2	796.1	819.0	857.9	931.0	1051.3	1066.2	1079.0	1089.9	1102.4
57.5°	751.1	753.8	773.0	808.6	859.8	945.6	1113.7	1136.5	1160.6	1189.8	1214.5
60°	698.1	704.5	730.4	780.3	842.1	926.4	1132.2	1167.3	1204.1	1248.5	1298.2
62.5°	620.5	621.7	638.7	687.1	755.3	824.5	1047.0	1091.8	1140.5	1204.7	1274.1
64°	514.2	525.2	533.1	586.4	647.3	733.4	934.4	965.4	1033.3	1112.2	1199.5
65°	424.4	437.5	443.9	497.2	566.9	649.1	836.3	869.5	941.1	1021.1	1130.1
67.5°	250.3	241.4	260.0	291.4	349.8	447.2	564.1	589.4	642.7	738.0	825.1
70°	161.4	161.4	178.4	210.4	264.6	339.2	387.6	376.9	388.2	425.0	486.5
72.5°	103.5	109.0	119.3	146.4	196.7	284.4	396.1	345.9	319.7	307.5	306.9
75°	47.2	50.2	61.5	77.6	105.0	185.4	399.4	377.5	353.5	330.3	312.4
77.5°	10.0	11.6	19.5	40.2	51.1	85.6	283.4	316.3	342.5	350.1	350.1
80°	5.2	5.5	8.2	18.9	21.9	28.9	109.3	143.7	177.2	221.3	267.6
82.5°	2.1	2.4	4.9	8.5	9.1	8.8	28.9	36.5	50.2	73.1	109.0
85°	0.6	0.6	2.1	3.3	4.9	4.0	6.4	7.3	9.4	13.7	26.2
87.5°	0.0	0.0	0.3	0.6	0.9	1.5	1.8	1.8	1.8	1.8	1.8
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°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	37.4	37.4	37.1	36.8	36.8	36.2	36.2	35.9	35.9	35.6	35.6
5°	45.1	44.4	43.8	42.9	42.6	42.0	41.4	40.8	40.2	39.9	39.3
7.5°	56.0	55.4	53.6	52.4	50.8	49.9	48.7	47.8	46.9	46.3	45.1
10°	70.6	68.5	67.6	63.3	62.4	60.3	58.5	57.2	54.8	53.3	51.8
12.5°	91.3	87.4	85.9	78.5	76.4	73.4	71.2	68.2	65.5	63.6	60.9
15°	114.8	111.7	105.9	98.6	94.7	91.3	86.2	83.7	80.1	76.1	72.2
17.5°	142.8	137.3	130.9	121.5	116.6	111.4	106.6	101.4	95.3	91.6	87.4
20°	175.4	169.6	161.7	149.8	144.0	138.8	130.3	126.7	119.3	112.0	106.6
22.5°	211.0	205.2	197.6	184.2	176.6	168.1	161.1	154.7	146.1	138.8	132.4
25°	251.2	244.5	238.7	223.2	213.7	204.9	197.3	186.0	178.7	170.2	161.4
27.5°	296.8	288.9	281.3	264.3	255.4	245.7	236.6	224.7	217.7	203.7	195.5
30°	343.7	334.0	326.1	308.7	300.8	290.7	278.3	267.6	255.7	246.3	232.9
32.5°	393.0	385.1	378.7	360.5	350.4	337.9	326.7	315.4	305.1	289.8	277.7
35°	445.7	438.7	431.7	415.9	407.0	397.6	384.8	371.1	356.8	341.0	330.0
37.5°	501.1	495.6	490.2	471.0	460.6	450.6	436.0	422.3	409.5	392.7	374.2
40°	559.3	554.1	545.3	529.4	518.5	509.3	495.9	483.2	465.8	447.2	430.8
42.5°	632.3	621.1	613.5	596.1	584.5	574.5	562.6	543.4	528.8	506.6	490.8
45°	717.9	707.2	694.8	677.1	662.8	646.3	629.6	616.5	598.2	578.2	557.8
47.5°	814.1	805.6	791.0	773.6	759.3	742.9	723.1	706.3	684.1	660.7	633.0
50°	920.0	911.2	901.5	882.0	867.7	852.2	836.6	816.8	796.7	768.7	740.1
52.5°	1018.4	1020.2	1014.4	1005.3	998.3	982.2	967.8	949.0	931.3	905.7	883.5
55°	1115.5	1131.3	1137.4	1146.3	1149.3	1136.2	1135.9	1108.2	1097.5	1082.6	1069.8
57.5°	1243.7	1278.7	1306.4	1360.0	1382.5	1405.3	1409.6	1390.1	1410.2	1384.3	1393.2
60°	1352.7	1416.9	1485.7	1624.2	1693.7	1746.0	1788.0	1819.1	1839.2	1873.3	1875.1
62.5°	1362.4	1463.5	1568.2	1770.4	1865.4	1944.8	2020.6	2073.6	2115.6	2154.3	2163.7
64°	1315.8	1441.0	1568.2	1812.7	1909.8	1998.1	2067.2	2119.9	2162.8	2186.9	2202.7
65°	1231.2	1371.2	1517.7	1784.7	1884.9	1978.6	2044.7	2097.7	2138.2	2162.2	2178.6
67.5°	912.1	1047.6	1194.7	1505.5	1663.2	1749.1	1833.7	1908.0	1940.6	1971.0	1976.8
70°	555.9	654.3	755.6	1044.0	1190.4	1344.8	1440.0	1548.7	1624.9	1671.7	1687.3
72.5°	335.5	369.6	430.2	585.2	725.5	833.9	965.7	1069.5	1154.8	1202.0	1225.7
75°	298.7	294.4	302.3	366.9	416.8	481.9	529.7	594.9	647.6	664.0	694.8
77.5°	345.2	333.1	320.6	308.4	306.0	299.9	290.1	292.6	269.4	247.2	247.8
80°	307.5	336.7	354.1	341.3	312.4	283.1	247.2	202.5	158.3	130.9	119.3
82.5°	154.4	219.5	282.2	344.3	340.1	314.2	274.6	225.6	174.8	134.3	107.2
85°	47.5	84.3	118.7	165.0	191.5	187.8	165.0	160.4	114.5	89.2	68.8
87.5°	2.1	2.1	2.1	1.8	2.1	2.1	2.1	2.4	2.4	2.7	2.7
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°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	35.6	35.3	35.0	34.7	34.7	34.7	34.4	34.4	34.1	34.1	33.8
5°	39.3	38.7	38.4	37.8	37.8	37.1	36.8	36.5	35.9	35.6	35.3
7.5°	44.1	43.5	42.6	41.7	41.4	40.5	39.6	39.0	38.4	37.8	37.1
10°	50.5	49.3	47.5	46.3	45.4	44.1	42.9	42.0	40.8	39.6	39.0
12.5°	58.8	56.3	54.5	52.4	50.5	48.7	46.6	45.4	44.1	42.3	41.1
15°	68.2	65.8	63.6	60.0	56.9	54.5	52.7	49.9	47.8	45.4	43.5
17.5°	84.3	77.9	73.7	70.0	67.0	62.4	58.8	55.7	53.0	49.9	47.8
20°	100.2	94.7	88.9	84.6	77.9	74.0	69.1	64.8	60.0	56.3	52.7
22.5°	123.3	116.3	109.0	102.6	93.5	88.0	81.6	76.1	70.0	63.9	60.0
25°	152.5	142.2	132.4	123.3	114.8	106.6	98.3	89.5	83.1	75.8	69.1
27.5°	183.3	171.7	162.3	150.4	139.4	129.4	119.0	109.6	98.6	89.2	81.3
30°	221.9	206.1	195.2	180.8	169.9	155.9	143.1	130.6	117.2	106.3	95.0
32.5°	261.2	250.6	232.0	219.8	203.4	186.6	173.2	158.9	142.5	128.2	114.5
35°	313.0	294.7	279.2	262.1	244.2	226.8	209.5	189.1	172.3	154.7	137.9
37.5°	358.6	340.1	322.1	299.9	279.5	261.2	240.2	218.9	199.1	178.1	158.0
40°	411.6	388.5	367.2	346.5	321.2	299.6	277.7	251.2	228.3	205.2	181.5
42.5°	469.5	446.0	420.8	397.0	369.3	342.8	315.7	289.2	263.7	235.6	207.9
45°	532.8	508.1	479.8	452.7	422.6	393.3	361.1	330.6	300.5	269.1	237.2
47.5°	611.3	579.7	553.5	519.7	482.2	451.5	411.9	377.2	342.8	306.3	270.4
50°	713.0	677.1	639.3	601.9	560.5	521.5	477.7	436.6	390.6	349.8	308.7
52.5°	847.9	821.1	777.3	734.3	683.8	634.2	573.9	520.6	461.5	409.5	359.3
55°	1039.4	1021.7	983.7	936.8	892.6	820.2	750.8	668.0	591.2	516.3	445.7
57.5°	1386.2	1367.0	1324.7	1313.4	1245.5	1192.2	1110.9	1003.8	873.8	759.3	645.1
60°	1885.5	1848.0	1806.6	1799.0	1719.2	1663.2	1582.5	1468.4	1346.0	1163.3	1007.7
62.5°	2164.3	2153.1	2119.6	2078.5	2009.4	1926.3	1835.5	1725.0	1600.8	1440.7	1255.6
64°	2201.8	2191.4	2162.5	2116.2	2046.8	1964.3	1863.8	1753.6	1629.1	1483.0	1314.0
65°	2178.3	2163.7	2139.1	2096.4	2031.9	1952.7	1851.7	1739.9	1613.6	1472.9	1315.8
67.5°	1989.3	1982.6	1960.0	1920.5	1880.0	1808.7	1719.8	1620.0	1516.8	1377.3	1248.5
70°	1689.1	1684.2	1655.6	1639.8	1572.8	1527.7	1455.9	1377.3	1286.0	1188.9	1079.3
72.5°	1252.2	1235.8	1212.6	1188.6	1143.2	1081.4	1025.4	941.7	894.5	812.6	750.8
75°	664.0	653.7	617.7	567.5	511.5	482.6	424.4	372.3	330.9	312.4	267.6
77.5°	229.6	209.2	189.1	166.5	132.1	104.1	83.1	66.4	52.4	46.3	38.7
80°	114.5	108.7	102.3	89.5	75.2	60.6	47.5	37.4	30.7	26.2	23.4
82.5°	92.9	82.2	73.4	64.2	51.5	42.3	33.5	27.4	22.5	19.8	17.4
85°	54.8	42.0	32.0	28.9	22.5	19.5	16.7	14.3	12.2	11.6	10.7
87.5°	2.1	2.7	2.7	2.1	2.7	2.4	2.4	2.1	2.1	2.1	2.1
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-E01-LED-E-U-T2-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	33.8	33.5	33.5	33.2	32.9	32.9	32.9	32.6	32.0	30.7	29.8
5°	35.0	34.7	34.4	33.8	33.5	33.2	32.9	32.9	31.4	29.2	27.7
7.5°	36.5	35.9	35.3	34.7	34.4	33.8	33.2	32.9	30.7	28.0	26.5
10°	38.1	37.1	36.2	35.9	35.0	34.4	33.5	32.9	30.4	27.1	25.0
12.5°	39.9	38.7	37.4	36.5	35.3	34.7	33.8	32.9	29.8	26.2	23.7
15°	42.0	40.2	38.7	37.8	36.5	35.0	33.8	32.9	29.2	25.3	22.5
17.5°	44.8	42.6	40.8	39.0	37.1	35.6	34.4	33.2	28.3	24.1	21.0
20°	49.0	46.3	43.2	41.1	38.7	36.8	34.7	33.2	27.7	22.8	19.8
22.5°	54.8	50.5	47.2	43.5	40.5	38.1	35.6	33.8	26.8	21.6	18.3
25°	63.0	57.5	52.1	47.5	43.5	40.2	37.1	34.7	26.2	20.7	17.4
27.5°	72.2	65.8	58.5	53.0	47.5	42.6	39.3	36.2	26.2	20.1	16.4
30°	84.9	75.8	67.0	60.0	52.7	47.2	42.3	38.4	26.2	19.8	15.5
32.5°	100.5	90.1	78.9	68.8	60.3	52.4	46.3	41.1	26.8	19.2	14.9
35°	122.1	106.9	93.5	81.0	69.7	60.6	52.7	45.7	27.7	18.9	14.0
37.5°	139.1	120.9	103.8	89.5	76.4	65.2	55.1	47.5	26.8	17.7	13.1
40°	159.5	138.8	118.1	100.2	85.2	70.6	59.1	49.9	26.2	16.1	11.9
42.5°	184.2	158.3	134.3	113.9	95.3	77.9	64.2	53.0	26.2	15.2	11.0
45°	207.3	179.0	152.2	126.7	105.0	85.9	69.1	56.3	25.9	14.3	9.7
47.5°	235.9	202.5	171.1	141.6	116.6	93.2	74.3	59.4	25.6	13.4	8.8
50°	269.7	228.9	193.6	158.3	127.9	102.0	80.4	62.7	25.0	12.5	7.9
52.5°	307.2	263.3	218.3	177.5	141.9	111.4	86.2	65.8	24.1	11.6	7.0
55°	373.6	313.3	260.0	209.5	163.2	125.4	94.7	70.3	23.1	10.7	6.1
57.5°	532.8	432.9	357.4	281.3	214.9	161.1	117.8	83.4	21.9	9.4	4.9
60°	836.6	671.9	543.7	426.5	325.2	247.2	173.5	123.3	23.4	7.9	4.3
62.5°	1073.2	883.8	720.6	573.6	445.4	338.5	252.7	184.2	33.8	7.0	3.3
64°	1135.0	943.2	769.0	615.0	481.6	371.4	281.9	208.2	43.5	7.0	3.0
65°	1144.1	961.5	786.4	630.2	494.1	380.3	290.4	216.2	47.5	7.3	2.7
67.5°	1106.4	950.8	791.6	636.6	503.6	392.4	302.0	228.6	53.6	7.0	2.1
70°	966.3	851.9	720.9	595.5	474.9	373.0	290.4	221.6	56.0	6.7	1.8
72.5°	657.6	578.8	501.4	412.5	330.6	272.5	211.9	156.2	39.3	5.5	1.5
75°	219.2	213.7	191.2	144.9	121.8	98.9	79.2	60.9	14.9	3.3	1.5
77.5°	36.5	31.4	27.4	26.2	21.9	21.3	18.6	14.9	6.4	2.1	1.5
80°	21.3	19.5	17.0	15.2	13.4	11.9	10.0	8.5	4.0	1.5	1.8
82.5°	15.8	14.0	12.5	11.0	9.4	8.2	7.0	5.8	2.1	1.5	1.8
85°	9.1	7.9	7.0	6.1	4.9	4.3	3.7	3.0	1.5	1.5	1.5
87.5°	1.8	1.8	1.5	1.5	1.5	1.5	1.5	1.2	1.5	1.5	1.2
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: P154189

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**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	29.2	28.3	28.0	28.0	28.0	28.0	28.0
5°	26.8	25.9	25.3	25.0	25.0	25.0	25.0
7.5°	25.0	23.7	23.1	22.5	22.5	22.2	22.2
10°	23.1	21.9	21.0	20.4	20.1	20.1	20.1
12.5°	21.6	20.4	19.2	18.6	18.6	18.3	18.3
15°	20.4	18.6	17.7	17.0	17.0	16.7	16.7
17.5°	18.9	17.4	16.4	15.8	15.5	15.5	15.5
20°	17.4	15.8	14.9	14.6	14.3	14.3	14.0
22.5°	16.1	14.6	13.7	13.4	13.1	13.1	12.8
25°	14.9	13.4	12.5	12.2	11.9	11.6	11.6
27.5°	14.0	12.5	11.6	11.0	10.7	10.4	10.4
30°	13.1	11.3	10.4	9.7	9.4	9.1	9.1
32.5°	12.2	10.4	9.1	8.5	8.2	7.9	7.9
35°	11.0	9.1	7.9	7.6	7.3	7.0	6.7
37.5°	10.0	7.9	7.0	6.4	6.1	5.8	5.8
40°	8.8	7.0	6.1	5.5	4.9	4.6	4.6
42.5°	7.9	6.1	5.2	4.3	4.0	3.7	3.7
45°	7.0	5.5	4.3	3.3	3.0	2.7	2.7
47.5°	6.1	4.6	3.3	2.7	2.4	2.1	2.1
50°	5.2	3.7	2.4	1.8	2.1	1.8	1.8
52.5°	4.6	2.7	1.8	1.8	1.8	1.8	1.8
55°	3.7	2.1	1.5	1.5	1.8	1.8	1.8
57.5°	3.0	1.5	1.2	1.5	1.5	1.5	1.5
60°	2.1	1.2	1.2	1.5	1.5	1.5	1.5
62.5°	1.8	1.2	1.2	1.2	1.5	1.5	1.5
64°	1.5	1.2	1.2	1.2	1.5	1.5	1.5
65°	1.5	1.2	1.2	1.2	1.5	1.5	1.5
67.5°	1.5	1.2	1.2	1.2	1.5	1.5	1.5
70°	1.2	1.2	1.2	1.2	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.2	1.5	1.5	1.5
75°	1.2	1.2	1.2	1.2	1.5	1.5	1.5
77.5°	1.2	1.2	1.2	1.5	1.5	1.5	1.5
80°	1.2	1.2	1.2	1.5	1.5	1.5	1.5
82.5°	1.2	1.2	1.2	1.5	1.5	1.5	1.5
85°	1.2	1.2	1.2	1.5	1.5	1.5	1.5
87.5°	1.2	1.2	1.2	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)