

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: P156321

Luminaire Tested: **AVM-E06-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P156321  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-E06-LED-E-U-T4-HSS-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD  
Light Source: (126) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11907.2 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G3

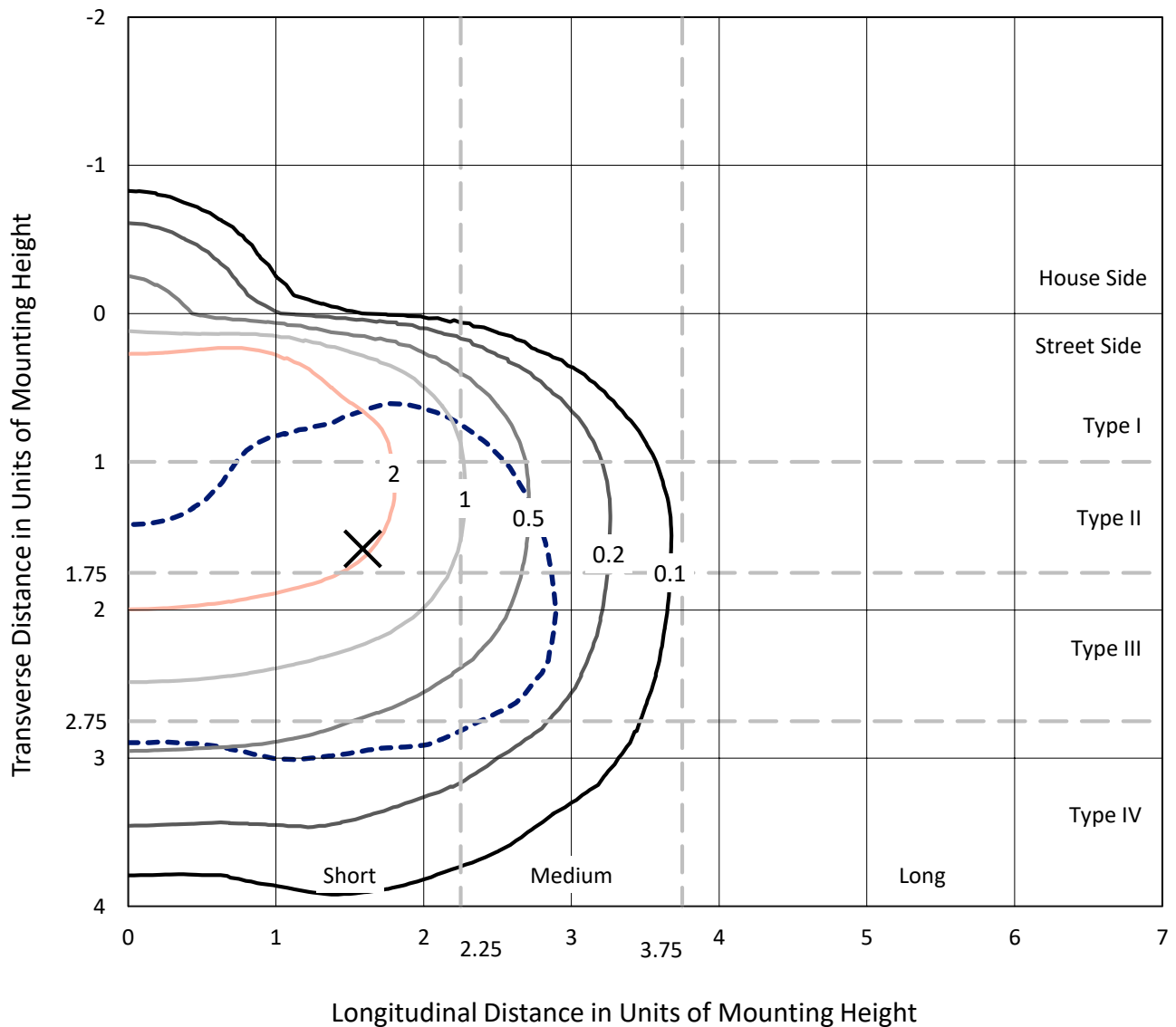
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

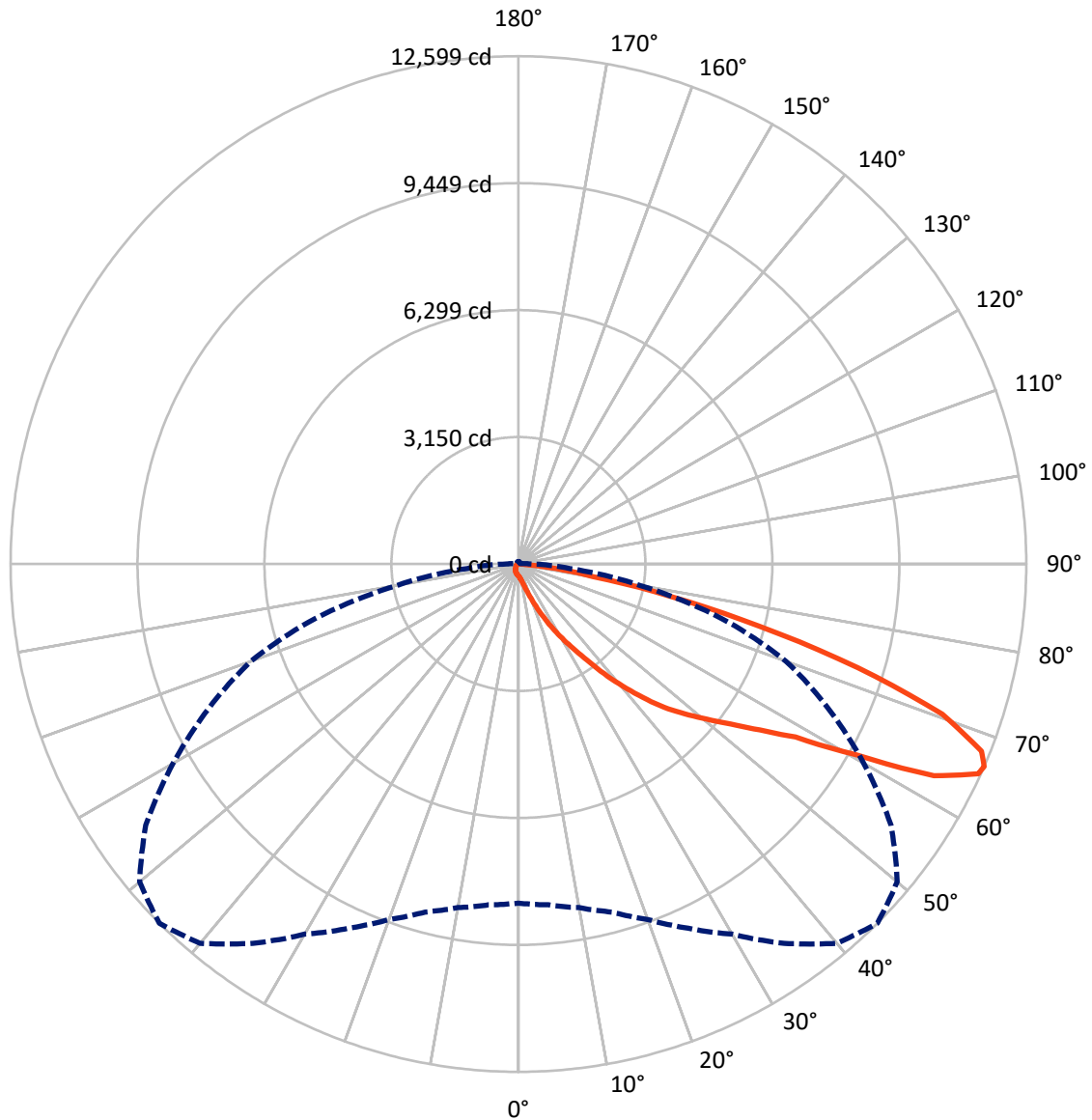
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	269.9	0.0	269.9
	% Fixture	2.3	0.0	2.3
<b>Street Side</b>	Lumens	11637.3	0.0	11637.3
	% Fixture	97.7	0.0	97.7
<b>Total</b>	Lumens	11907.2	0.0	11907.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.0	0.3
10°-20°	121.4	1.0
20°-30°	355.7	3.0
30°-40°	831.0	7.0
40°-50°	1560.8	13.1
50°-60°	2586.6	21.7
60°-70°	4106.2	34.5
70°-80°	2123.6	17.8
80°-90°	191.8	1.6
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°	11907.2	100.0
0°-180°	11907.2	100.0

**Coefficient of Utilization**



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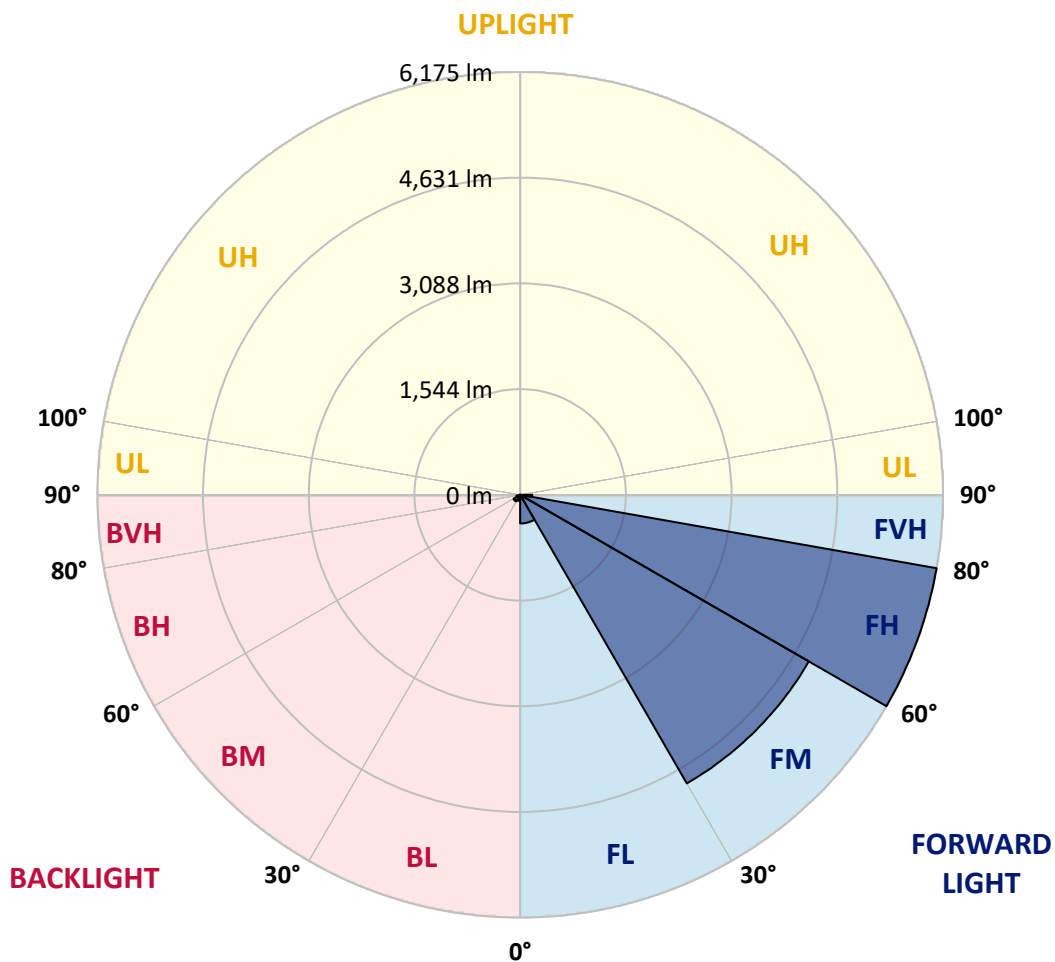
CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	419.0	3.5			
FM	(30°-60°)	4866.5	40.9			
FH	(60°-80°)	6175.2	51.9			G3/7500
FVH	(80°-90°)	176.6	1.5			G2/225
BL	(0°-30°)	88.1	0.7	B0/110		
BM	(30°-60°)	111.9	0.9	B0/220		
BH	(60°-80°)	54.7	0.5	B0/110		G0/110
BVH	(80°-90°)	15.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6
2.5°	322.2	322.2	322.2	322.2	320.1	318.1	316.0	314.0	311.9	311.9	309.9
5°	365.3	367.3	365.3	363.2	359.1	357.1	350.9	346.8	340.7	338.6	332.5
7.5°	424.8	422.8	424.8	418.7	410.4	408.4	400.2	389.9	381.7	369.4	361.2
10°	511.0	508.9	511.0	498.7	486.4	476.1	461.7	449.4	431.0	416.6	400.2
12.5°	648.5	648.5	644.4	628.0	611.6	589.0	566.4	539.7	506.9	478.2	451.5
15°	859.9	849.6	831.1	820.9	792.2	757.3	732.6	679.3	632.1	586.9	533.6
17.5°	1114.4	1093.8	1079.5	1056.9	1019.9	974.8	933.8	855.8	808.6	734.7	658.8
20°	1405.8	1381.1	1377.0	1342.1	1303.2	1253.9	1194.4	1102.0	1022.0	929.7	822.9
22.5°	1703.3	1707.4	1691.0	1666.4	1627.4	1569.9	1477.6	1393.5	1294.9	1178.0	1040.5
25°	2035.8	2033.7	2019.4	1990.6	1961.9	1890.1	1816.2	1736.2	1619.2	1469.4	1305.2
27.5°	2347.7	2345.7	2310.8	2312.8	2257.4	2230.8	2158.9	2072.7	1931.1	1805.9	1627.4
30°	2674.0	2653.5	2630.9	2614.5	2575.5	2528.3	2491.4	2388.8	2282.1	2134.3	1988.6
32.5°	3004.4	2981.9	2988.0	2967.5	2936.7	2889.5	2834.1	2750.0	2635.0	2491.4	2355.9
35°	3408.7	3398.5	3382.0	3388.2	3382.0	3347.2	3300.0	3189.1	3064.0	2926.5	2786.9
37.5°	3708.3	3698.1	3708.3	3751.4	3761.7	3784.3	3749.4	3694.0	3603.7	3453.9	3308.2
40°	3985.4	3987.4	4034.6	4088.0	4124.9	4198.8	4211.1	4188.6	4116.7	3979.2	3788.4
42.5°	4233.7	4264.5	4307.6	4395.8	4475.9	4580.5	4658.5	4670.8	4617.5	4527.2	4334.3
45°	4510.8	4537.4	4605.2	4709.8	4820.6	4949.9	5075.1	5140.8	5136.7	5073.1	4865.8
47.5°	4820.6	4855.5	4929.4	5015.6	5163.4	5309.1	5471.2	5588.2	5637.4	5549.2	5348.1
50°	5196.2	5210.6	5274.2	5385.0	5520.4	5688.7	5865.2	6035.6	6132.0	6049.9	5842.6
52.5°	5641.5	5645.6	5705.1	5807.8	5916.5	6101.2	6273.6	6509.6	6634.8	6589.6	6341.3
55°	6253.1	6240.8	6281.8	6370.1	6458.3	6636.8	6809.2	7076.0	7258.7	7262.8	6998.0
57.5°	7088.3	7059.6	7086.3	7156.1	7254.6	7420.8	7638.3	7874.3	8118.5	8102.1	7884.6
60°	8251.9	8241.7	8290.9	8407.9	8576.2	8748.6	8994.8	9312.9	9528.4	9602.3	9374.5
62.5°	9025.6	9054.4	9167.2	9347.8	9672.1	10029.2	10486.8	10973.2	11383.6	11568.3	11254.3
65°	8693.2	8740.4	8916.9	9183.6	9612.6	10148.2	10755.6	11553.9	12262.0	12543.1	12216.8
66°	8412.0	8487.9	8654.2	8937.4	9384.8	9969.6	10603.8	11486.2	12282.5	12598.5	12266.1
67.5°	7925.6	7979.0	8167.8	8481.8	8962.0	9540.7	10226.2	11157.9	12056.7	12391.2	12060.8
70°	6934.4	6954.9	7108.9	7375.6	7747.1	8340.2	8962.0	9858.8	10685.9	11155.8	10794.6
72.5°	5161.3	5190.0	5444.5	5930.9	6413.2	6749.7	7117.1	7835.3	8368.9	8808.1	8738.3
75°	2483.2	2495.5	2665.8	3375.9	4315.8	4718.0	5058.7	5614.8	5818.0	6185.4	6130.0
77.5°	1574.0	1600.7	1711.5	1883.9	2417.5	2895.7	3164.5	3482.6	3542.1	3852.0	3671.4
80°	433.0	502.8	613.6	903.0	1549.4	1847.0	1968.1	1955.8	1968.1	1873.7	1812.1
82.5°	88.2	86.2	104.7	162.1	683.4	1075.4	1161.6	989.2	983.0	946.1	976.9
85°	22.6	20.5	24.6	51.3	117.0	318.1	400.2	223.7	170.3	162.1	143.7
87.5°	6.2	6.2	6.2	10.3	12.3	16.4	22.6	16.4	12.3	12.3	12.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6
2.5°	307.8	307.8	305.8	303.7	303.7	301.7	299.6	297.6	295.5	293.5	291.4
5°	326.3	322.2	316.0	311.9	307.8	301.7	297.6	293.5	289.4	287.3	283.2
7.5°	350.9	340.7	332.5	320.1	311.9	303.7	295.5	289.4	283.2	279.1	275.0
10°	381.7	365.3	348.9	332.5	318.1	305.8	293.5	283.2	277.0	270.9	266.8
12.5°	420.7	396.1	373.5	348.9	326.3	307.8	291.4	279.1	270.9	264.7	258.6
15°	484.3	445.3	406.3	369.4	340.7	311.9	289.4	275.0	264.7	258.6	252.4
17.5°	584.9	515.1	453.5	402.2	355.0	318.1	289.4	270.9	258.6	250.4	244.2
20°	730.6	615.7	517.2	443.3	381.7	328.4	289.4	264.7	252.4	242.2	236.0
22.5°	903.0	759.3	623.9	500.7	412.5	342.7	289.4	258.6	244.2	236.0	227.8
25°	1155.4	964.5	779.8	607.5	463.8	365.3	295.5	254.5	238.1	227.8	219.6
27.5°	1450.9	1221.1	991.2	749.1	541.8	398.1	303.7	250.4	231.9	219.6	211.4
30°	1787.5	1533.0	1251.8	937.9	644.4	441.2	318.1	248.3	223.7	211.4	201.1
32.5°	2152.8	1883.9	1576.1	1180.0	796.3	506.9	336.6	246.3	215.5	201.1	188.8
35°	2587.8	2337.5	1961.9	1520.7	1032.3	619.8	377.6	250.4	207.3	190.9	176.5
37.5°	3064.0	2797.2	2399.0	1881.9	1266.2	747.0	408.4	244.2	192.9	176.5	162.1
40°	3544.2	3238.4	2834.1	2261.5	1563.8	903.0	447.4	238.1	178.5	162.1	147.8
42.5°	4012.1	3689.9	3250.7	2651.5	1877.8	1087.7	496.6	238.1	168.3	147.8	133.4
45°	4502.6	4114.7	3634.5	3025.0	2189.7	1299.0	566.4	236.0	156.0	135.4	119.0
47.5°	4966.4	4506.7	3954.6	3353.3	2524.2	1530.9	646.4	238.1	145.7	123.1	108.8
50°	5405.5	4878.1	4283.0	3646.8	2844.4	1781.3	745.0	240.1	135.4	112.9	98.5
52.5°	5885.7	5300.9	4635.9	3948.5	3160.4	2033.7	859.9	244.2	125.2	102.6	90.3
55°	6480.9	5832.4	5071.0	4317.9	3494.9	2288.2	970.7	248.3	114.9	94.4	82.1
57.5°	7338.7	6599.9	5777.0	4871.9	3938.2	2577.6	1085.6	258.6	106.7	88.2	75.9
60°	8734.2	7853.8	6903.6	5836.5	4601.1	2969.5	1251.8	281.2	96.5	80.0	71.8
62.5°	10412.9	9354.0	8145.2	6850.3	5224.9	3234.3	1362.7	305.8	88.2	73.9	67.7
65°	11258.4	9924.5	8531.0	7133.5	5305.0	3156.3	1317.5	297.6	78.0	65.7	57.5
66°	11283.1	9893.7	8477.7	7071.9	5222.9	3061.9	1274.4	293.5	75.9	63.6	53.4
67.5°	11049.1	9629.0	8194.5	6792.8	4980.7	2879.3	1196.4	279.1	69.8	57.5	47.2
70°	9893.7	8510.5	7195.1	5900.1	4285.0	2425.7	1003.5	246.3	61.6	51.3	43.1
72.5°	7886.6	6760.0	5651.8	4642.1	3330.7	1820.3	792.2	201.1	53.4	45.1	36.9
75°	5508.1	4582.6	3739.1	3018.8	2093.3	1089.7	513.1	141.6	45.1	36.9	30.8
77.5°	3074.2	2438.0	1842.9	1403.7	835.2	340.7	170.3	71.8	39.0	28.7	24.6
80°	1563.8	1159.5	882.5	650.6	385.8	176.5	86.2	47.2	30.8	22.6	20.5
82.5°	909.1	667.0	531.5	420.7	264.7	133.4	69.8	34.9	20.5	16.4	18.5
85°	203.2	268.8	227.8	192.9	141.6	84.1	49.3	22.6	14.4	14.4	16.4
87.5°	16.4	22.6	20.5	26.7	28.7	26.7	20.5	12.3	10.3	12.3	12.3
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6
2.5°	289.4	287.3	287.3	285.3	283.2	283.2	283.2	281.2	283.2	283.2	283.2
5°	281.2	279.1	277.0	275.0	272.9	270.9	270.9	268.8	268.8	268.8	270.9
7.5°	272.9	268.8	266.8	262.7	260.6	258.6	258.6	256.5	256.5	256.5	256.5
10°	262.7	258.6	254.5	252.4	250.4	246.3	246.3	244.2	242.2	242.2	242.2
12.5°	254.5	250.4	246.3	242.2	238.1	236.0	234.0	231.9	229.8	229.8	229.8
15°	246.3	240.1	236.0	231.9	227.8	223.7	221.6	219.6	217.5	215.5	215.5
17.5°	238.1	231.9	225.7	221.6	217.5	213.4	211.4	205.2	205.2	203.2	203.2
20°	227.8	221.6	215.5	211.4	207.3	203.2	199.1	195.0	190.9	188.8	188.8
22.5°	219.6	213.4	207.3	201.1	195.0	188.8	184.7	180.6	178.5	176.5	174.4
25°	211.4	203.2	195.0	188.8	182.6	176.5	172.4	168.3	164.2	162.1	162.1
27.5°	201.1	192.9	184.7	176.5	170.3	164.2	160.1	153.9	151.9	149.8	147.8
30°	190.9	180.6	172.4	164.2	158.0	149.8	145.7	141.6	137.5	137.5	135.4
32.5°	178.5	168.3	160.1	151.9	143.7	137.5	133.4	129.3	127.2	123.1	123.1
35°	166.2	156.0	145.7	137.5	131.3	125.2	121.1	117.0	112.9	110.8	110.8
37.5°	151.9	141.6	133.4	125.2	119.0	112.9	108.8	104.7	102.6	100.6	98.5
40°	135.4	125.2	119.0	112.9	106.7	102.6	96.5	92.3	90.3	88.2	86.2
42.5°	121.1	110.8	106.7	102.6	96.5	92.3	86.2	82.1	78.0	75.9	73.9
45°	108.8	100.6	96.5	92.3	86.2	80.0	75.9	71.8	67.7	65.7	65.7
47.5°	96.5	90.3	86.2	82.1	75.9	71.8	65.7	63.6	59.5	59.5	59.5
50°	88.2	82.1	78.0	73.9	69.8	63.6	59.5	57.5	55.4	55.4	57.5
52.5°	82.1	75.9	71.8	67.7	63.6	59.5	55.4	53.4	53.4	55.4	57.5
55°	75.9	69.8	65.7	61.6	57.5	55.4	51.3	51.3	53.4	55.4	57.5
57.5°	71.8	63.6	59.5	57.5	53.4	51.3	51.3	51.3	53.4	55.4	59.5
60°	65.7	57.5	53.4	53.4	49.3	49.3	49.3	51.3	53.4	57.5	59.5
62.5°	57.5	51.3	49.3	49.3	47.2	47.2	49.3	51.3	55.4	57.5	59.5
65°	49.3	45.1	45.1	45.1	45.1	47.2	49.3	51.3	53.4	57.5	59.5
66°	45.1	43.1	43.1	45.1	45.1	47.2	49.3	51.3	53.4	55.4	57.5
67.5°	43.1	41.0	41.0	43.1	45.1	45.1	47.2	51.3	53.4	55.4	55.4
70°	36.9	36.9	36.9	41.0	43.1	45.1	47.2	49.3	51.3	53.4	55.4
72.5°	32.8	32.8	34.9	36.9	41.0	43.1	45.1	47.2	51.3	53.4	53.4
75°	28.7	28.7	32.8	34.9	39.0	41.0	45.1	47.2	49.3	51.3	51.3
77.5°	24.6	26.7	30.8	34.9	36.9	41.0	43.1	45.1	47.2	49.3	49.3
80°	22.6	26.7	30.8	32.8	34.9	36.9	39.0	43.1	45.1	47.2	49.3
82.5°	22.6	24.6	28.7	30.8	32.8	36.9	39.0	41.0	43.1	45.1	47.2
85°	18.5	22.6	24.6	28.7	30.8	34.9	36.9	36.9	39.0	41.0	43.1
87.5°	14.4	16.4	16.4	20.5	22.6	26.7	30.8	30.8	32.8	34.9	36.9
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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CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	297.6	297.6	297.6	297.6
2.5°	283.2	285.3	285.3	285.3
5°	270.9	270.9	270.9	270.9
7.5°	256.5	256.5	256.5	256.5
10°	242.2	242.2	244.2	242.2
12.5°	229.8	227.8	227.8	227.8
15°	215.5	215.5	213.4	215.5
17.5°	201.1	201.1	199.1	199.1
20°	186.8	186.8	186.8	186.8
22.5°	174.4	172.4	172.4	172.4
25°	160.1	160.1	160.1	160.1
27.5°	147.8	147.8	147.8	147.8
30°	135.4	135.4	133.4	133.4
32.5°	123.1	123.1	123.1	123.1
35°	110.8	110.8	108.8	108.8
37.5°	96.5	96.5	96.5	96.5
40°	84.1	84.1	84.1	84.1
42.5°	73.9	73.9	71.8	71.8
45°	63.6	63.6	63.6	63.6
47.5°	59.5	59.5	59.5	59.5
50°	57.5	59.5	59.5	59.5
52.5°	59.5	59.5	59.5	59.5
55°	59.5	61.6	61.6	61.6
57.5°	59.5	61.6	61.6	63.6
60°	61.6	63.6	63.6	63.6
62.5°	61.6	63.6	63.6	63.6
65°	59.5	61.6	61.6	61.6
66°	59.5	59.5	59.5	61.6
67.5°	57.5	59.5	59.5	59.5
70°	55.4	57.5	57.5	59.5
72.5°	55.4	57.5	57.5	57.5
75°	53.4	53.4	55.4	55.4
77.5°	51.3	51.3	53.4	53.4
80°	49.3	51.3	51.3	51.3
82.5°	47.2	49.3	49.3	49.3
85°	43.1	45.1	45.1	45.1
87.5°	36.9	36.9	39.0	39.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)