

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: P149160

Luminaire Tested: **AVM-E06-LED-E-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149160  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
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-RW  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (126) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18743.6 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B4 - U0 - G2

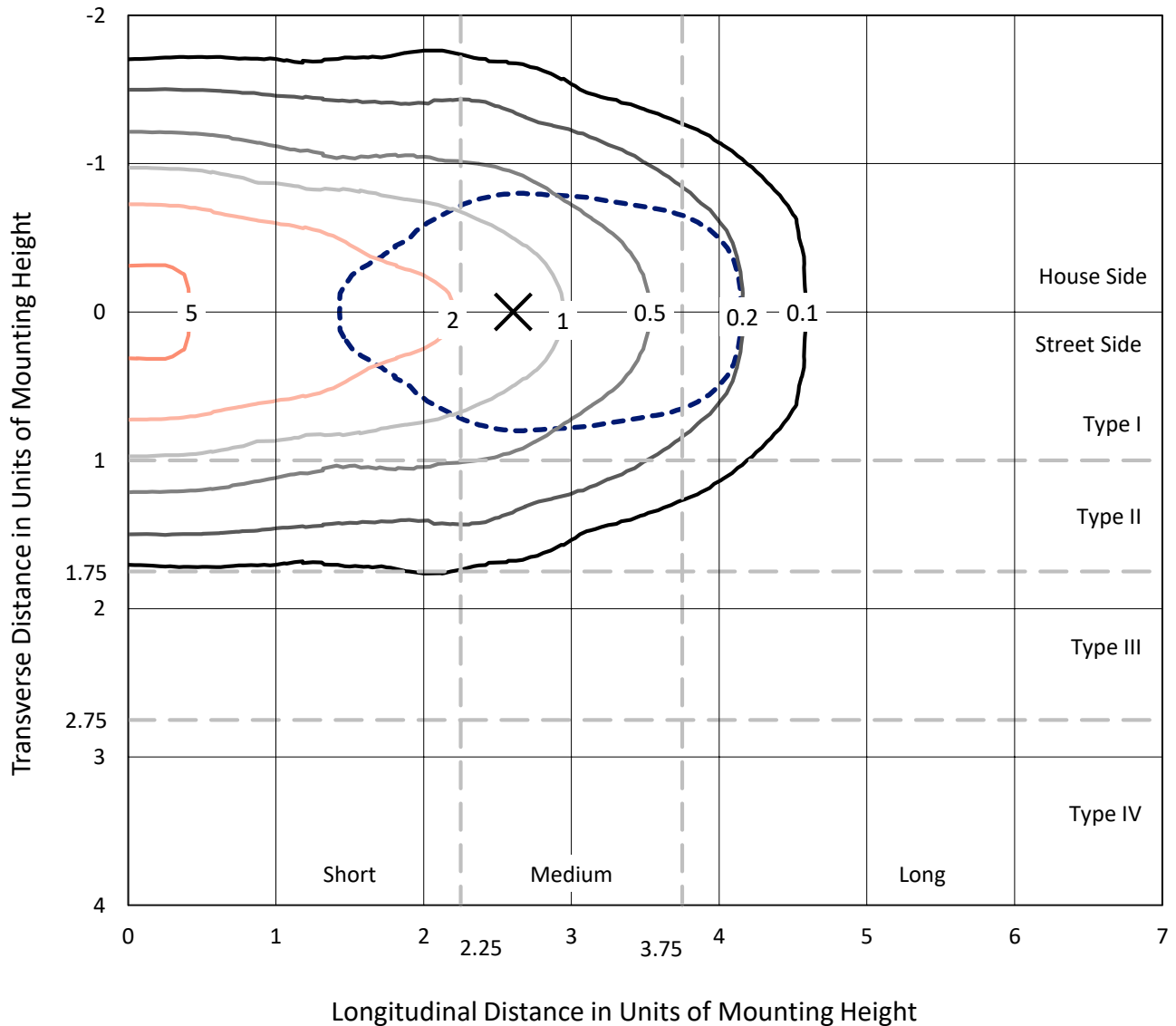
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

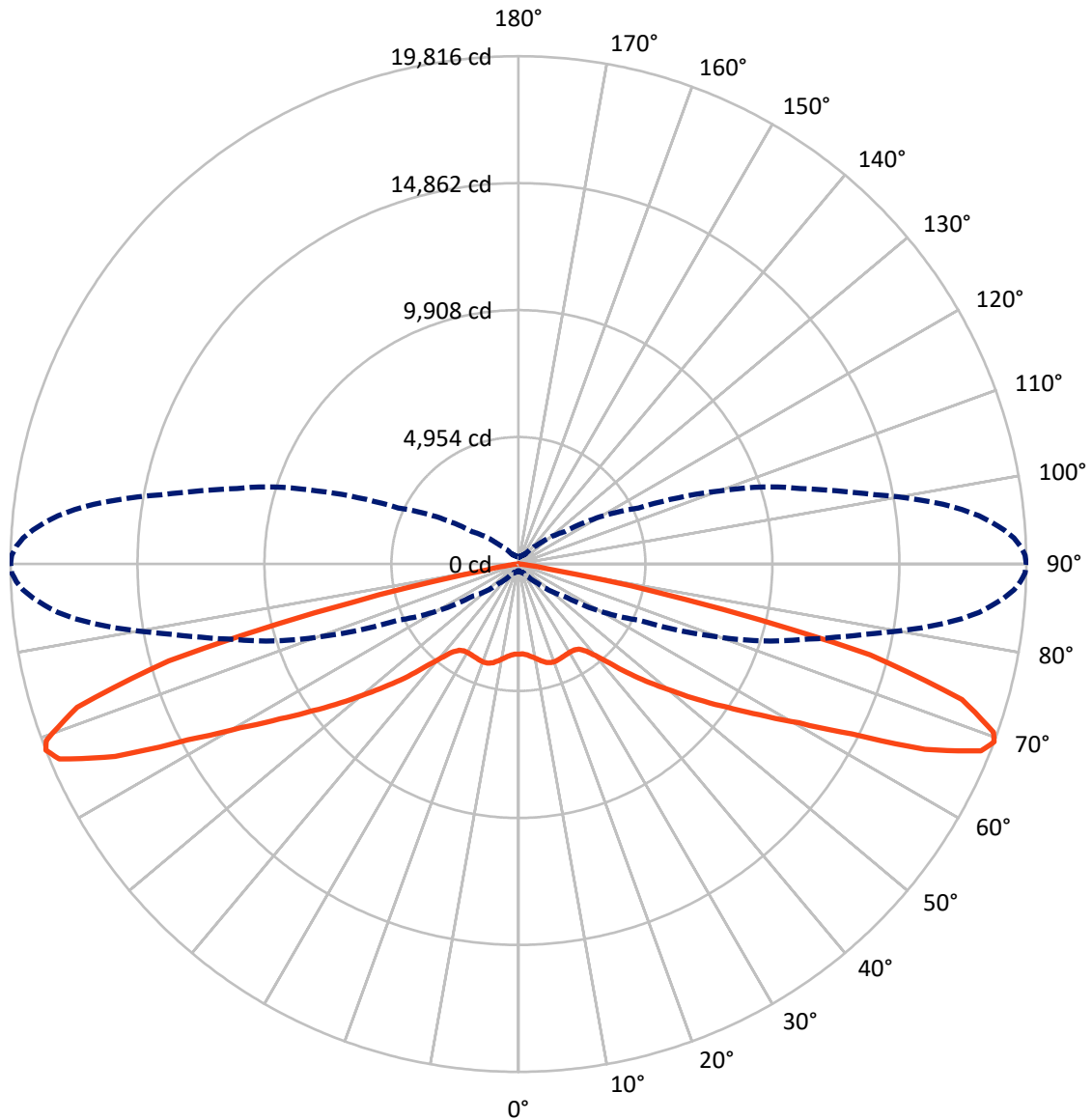


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9371.8   | 0.0    | 9371.8  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9371.8   | 0.0    | 9371.8  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 18743.6  | 0.0    | 18743.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 344.5   | 1.8       |
| 10°-20°   | 1086.7  | 5.8       |
| 20°-30°   | 1760.6  | 9.4       |
| 30°-40°   | 2194.2  | 11.7      |
| 40°-50°   | 2741.9  | 14.6      |
| 50°-60°   | 3385.6  | 18.1      |
| 60°-70°   | 4206.8  | 22.4      |
| 70°-80°   | 2792.8  | 14.9      |
| 80°-90°   | 230.6   | 1.2       |
| 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°    | 18743.6 | 100.0     |
| 0°-180°   | 18743.6 | 100.0     |

**Coefficient of Utilization**



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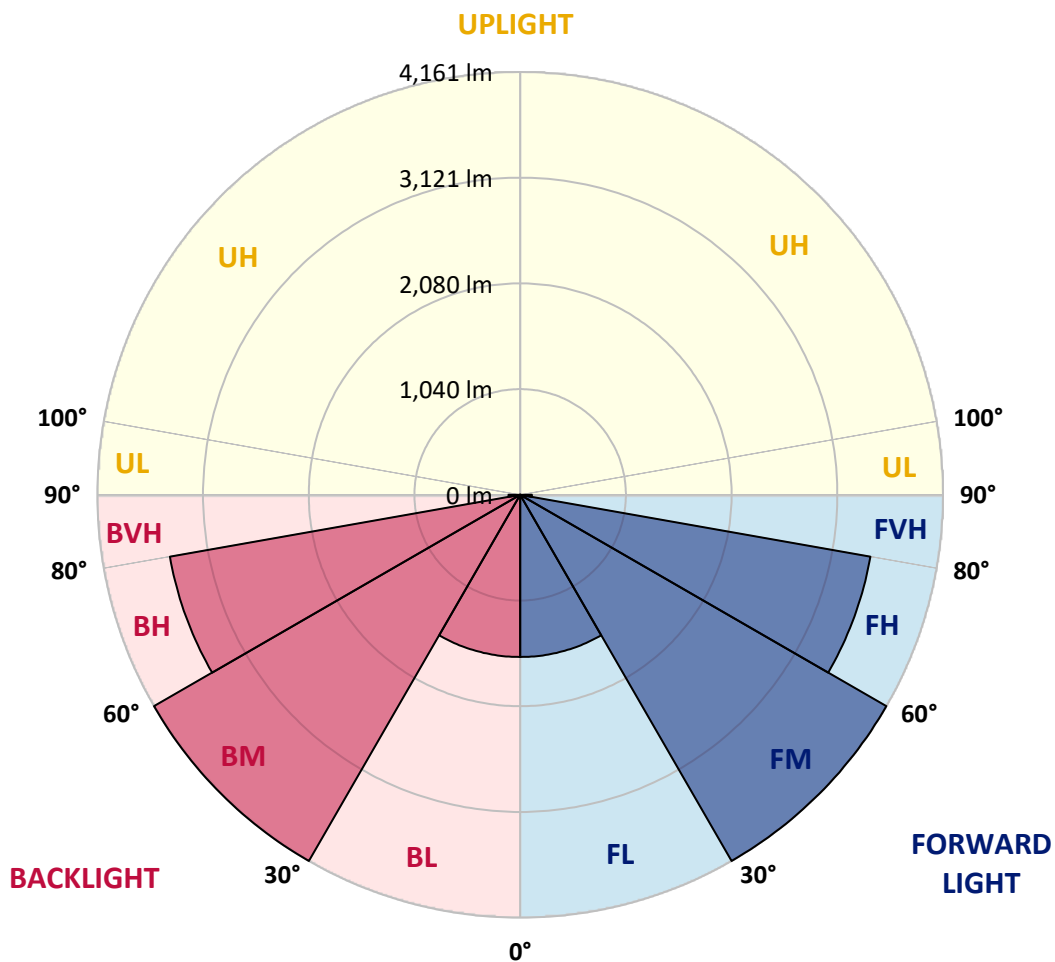
CATALOG NUMBER: AVM-E06-LED-E-U-RW

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1595.9 | 8.5       |                         |      |         |
| FM   | (30°-60°)   | 4160.8 | 22.2      |                         |      |         |
| FH   | (60°-80°)   | 3499.8 | 18.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 115.3  | 0.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1595.9 | 8.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4160.8 | 22.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3499.8 | 18.7      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 115.3  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 66°  | 67°  | 68°  |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 3512 | 3512 | 3512 | 3512 | 3512 | 3512 | 3512 | 3512 | 3512 | 3512 | 3512 |
| 2.5°  | 3528 | 3531 | 3529 | 3533 | 3532 | 3532 | 3530 | 3526 | 3526 | 3525 | 3525 |
| 5°    | 3562 | 3558 | 3564 | 3570 | 3568 | 3569 | 3568 | 3568 | 3568 | 3567 | 3567 |
| 7.5°  | 3598 | 3597 | 3601 | 3617 | 3619 | 3625 | 3632 | 3637 | 3637 | 3637 | 3638 |
| 10°   | 3629 | 3630 | 3640 | 3663 | 3675 | 3694 | 3713 | 3728 | 3729 | 3730 | 3731 |
| 12.5° | 3654 | 3655 | 3670 | 3706 | 3735 | 3771 | 3812 | 3835 | 3837 | 3839 | 3841 |
| 15°   | 3656 | 3659 | 3685 | 3744 | 3802 | 3861 | 3910 | 3941 | 3943 | 3944 | 3946 |
| 17.5° | 3630 | 3632 | 3676 | 3763 | 3860 | 3952 | 4003 | 4017 | 4018 | 4018 | 4019 |
| 20°   | 3562 | 3567 | 3629 | 3758 | 3906 | 4026 | 4079 | 4060 | 4058 | 4056 | 4054 |
| 22.5° | 3452 | 3451 | 3532 | 3706 | 3915 | 4084 | 4131 | 4081 | 4075 | 4069 | 4063 |
| 25°   | 3274 | 3286 | 3381 | 3589 | 3864 | 4097 | 4168 | 4092 | 4084 | 4075 | 4067 |
| 27.5° | 3081 | 3088 | 3189 | 3412 | 3745 | 4052 | 4186 | 4114 | 4105 | 4095 | 4086 |
| 30°   | 2856 | 2865 | 2973 | 3206 | 3554 | 3936 | 4181 | 4164 | 4153 | 4142 | 4131 |
| 32.5° | 2636 | 2646 | 2743 | 2998 | 3353 | 3777 | 4151 | 4235 | 4224 | 4212 | 4201 |
| 35°   | 2408 | 2423 | 2541 | 2799 | 3159 | 3600 | 4105 | 4326 | 4320 | 4313 | 4307 |
| 37.5° | 2219 | 2222 | 2336 | 2607 | 2979 | 3431 | 4044 | 4441 | 4446 | 4450 | 4455 |
| 40°   | 2008 | 2027 | 2141 | 2427 | 2816 | 3288 | 3986 | 4597 | 4621 | 4645 | 4669 |
| 42.5° | 1819 | 1821 | 1937 | 2232 | 2639 | 3173 | 3954 | 4785 | 4836 | 4887 | 4938 |
| 45°   | 1620 | 1628 | 1733 | 2018 | 2435 | 3037 | 3953 | 5002 | 5084 | 5165 | 5247 |
| 47.5° | 1432 | 1435 | 1546 | 1811 | 2201 | 2847 | 3946 | 5235 | 5346 | 5457 | 5568 |
| 50°   | 1252 | 1249 | 1358 | 1613 | 1970 | 2598 | 3885 | 5499 | 5639 | 5780 | 5920 |
| 52.5° | 1046 | 1060 | 1173 | 1417 | 1760 | 2345 | 3707 | 5788 | 5956 | 6124 | 6291 |
| 55°   | 844  | 850  | 971  | 1199 | 1547 | 2109 | 3397 | 6054 | 6252 | 6450 | 6647 |
| 57.5° | 622  | 640  | 746  | 971  | 1331 | 1910 | 3003 | 6192 | 6433 | 6673 | 6914 |
| 60°   | 439  | 453  | 547  | 736  | 1094 | 1701 | 2664 | 6115 | 6428 | 6741 | 7053 |
| 62.5° | 342  | 353  | 428  | 551  | 853  | 1492 | 2421 | 5866 | 6292 | 6717 | 7143 |
| 65°   | 300  | 310  | 378  | 441  | 637  | 1279 | 2288 | 5603 | 6166 | 6728 | 7291 |
| 67.5° | 271  | 283  | 342  | 386  | 519  | 1116 | 2253 | 5437 | 6074 | 6711 | 7349 |
| 69°   | 258  | 270  | 323  | 360  | 482  | 1058 | 2193 | 5176 | 5810 | 6443 | 7077 |
| 70°   | 250  | 260  | 309  | 347  | 470  | 1018 | 2093 | 4850 | 5472 | 6094 | 6716 |
| 72.5° | 232  | 237  | 280  | 317  | 436  | 823  | 1610 | 3602 | 4141 | 4681 | 5220 |
| 75°   | 205  | 211  | 251  | 287  | 340  | 511  | 1019 | 2228 | 2631 | 3033 | 3436 |
| 77.5° | 177  | 182  | 217  | 274  | 264  | 319  | 609  | 1240 | 1474 | 1707 | 1941 |
| 80°   | 142  | 148  | 179  | 272  | 218  | 248  | 438  | 867  | 930  | 993  | 1056 |
| 82.5° | 104  | 109  | 140  | 220  | 167  | 187  | 334  | 735  | 757  | 779  | 801  |
| 85°   | 53   | 54   | 89   | 134  | 106  | 97   | 188  | 503  | 517  | 531  | 545  |
| 87.5° | 9    | 9    | 20   | 23   | 26   | 16   | 24   | 86   | 89   | 91   | 94   |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 69°  | 70°  | 71°  | 72°  | 73°   | 74°   | 75°   | 76°   | 77°   | 78°   | 79°   |
|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 3512 | 3512 | 3512 | 3512 | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  |
| 2.5°  | 3524 | 3524 | 3522 | 3522 | 3523  | 3523  | 3524  | 3524  | 3525  | 3522  | 3521  |
| 5°    | 3566 | 3566 | 3566 | 3566 | 3566  | 3566  | 3567  | 3569  | 3568  | 3566  | 3565  |
| 7.5°  | 3638 | 3638 | 3639 | 3638 | 3640  | 3639  | 3637  | 3640  | 3642  | 3643  | 3645  |
| 10°   | 3732 | 3734 | 3737 | 3737 | 3740  | 3740  | 3740  | 3743  | 3746  | 3746  | 3749  |
| 12.5° | 3843 | 3845 | 3847 | 3849 | 3852  | 3850  | 3855  | 3857  | 3860  | 3866  | 3863  |
| 15°   | 3947 | 3949 | 3954 | 3955 | 3958  | 3960  | 3964  | 3966  | 3967  | 3971  | 3972  |
| 17.5° | 4019 | 4020 | 4022 | 4021 | 4024  | 4023  | 4026  | 4028  | 4030  | 4033  | 4037  |
| 20°   | 4052 | 4051 | 4049 | 4048 | 4046  | 4043  | 4044  | 4045  | 4046  | 4048  | 4052  |
| 22.5° | 4057 | 4052 | 4045 | 4041 | 4035  | 4030  | 4025  | 4025  | 4026  | 4025  | 4028  |
| 25°   | 4058 | 4050 | 4040 | 4029 | 4020  | 4009  | 3999  | 3998  | 3995  | 3996  | 3997  |
| 27.5° | 4076 | 4067 | 4053 | 4040 | 4022  | 4006  | 3991  | 3986  | 3980  | 3977  | 3975  |
| 30°   | 4120 | 4109 | 4093 | 4076 | 4056  | 4032  | 4010  | 4003  | 3995  | 3989  | 3983  |
| 32.5° | 4189 | 4178 | 4160 | 4143 | 4116  | 4093  | 4071  | 4060  | 4049  | 4037  | 4026  |
| 35°   | 4301 | 4295 | 4279 | 4264 | 4244  | 4226  | 4206  | 4194  | 4175  | 4166  | 4152  |
| 37.5° | 4459 | 4464 | 4464 | 4466 | 4460  | 4451  | 4437  | 4424  | 4418  | 4393  | 4377  |
| 40°   | 4693 | 4717 | 4738 | 4755 | 4770  | 4785  | 4798  | 4790  | 4793  | 4786  | 4777  |
| 42.5° | 4989 | 5041 | 5087 | 5134 | 5168  | 5220  | 5257  | 5269  | 5298  | 5310  | 5331  |
| 45°   | 5328 | 5410 | 5488 | 5561 | 5628  | 5704  | 5777  | 5832  | 5891  | 5959  | 6026  |
| 47.5° | 5679 | 5791 | 5906 | 6001 | 6098  | 6210  | 6307  | 6389  | 6496  | 6596  | 6705  |
| 50°   | 6060 | 6201 | 6332 | 6449 | 6574  | 6703  | 6836  | 6957  | 7102  | 7260  | 7432  |
| 52.5° | 6459 | 6627 | 6779 | 6925 | 7073  | 7220  | 7362  | 7533  | 7711  | 7921  | 8135  |
| 55°   | 6845 | 7043 | 7216 | 7378 | 7547  | 7711  | 7858  | 8086  | 8305  | 8556  | 8836  |
| 57.5° | 7155 | 7396 | 7595 | 7788 | 7978  | 8153  | 8333  | 8590  | 8870  | 9162  | 9518  |
| 60°   | 7366 | 7679 | 7933 | 8165 | 8399  | 8619  | 8826  | 9162  | 9495  | 9858  | 10301 |
| 62.5° | 7568 | 7994 | 8326 | 8642 | 8957  | 9239  | 9497  | 9920  | 10354 | 10804 | 11330 |
| 65°   | 7853 | 8416 | 8904 | 9346 | 9781  | 10197 | 10582 | 11118 | 11666 | 12258 | 12886 |
| 67.5° | 7986 | 8623 | 9259 | 9854 | 10407 | 10933 | 11428 | 12076 | 12721 | 13407 | 14166 |
| 69°   | 7710 | 8344 | 9023 | 9673 | 10284 | 10842 | 11378 | 12040 | 12711 | 13410 | 14176 |
| 70°   | 7338 | 7961 | 8647 | 9326 | 9910  | 10492 | 11047 | 11704 | 12383 | 13085 | 13886 |
| 72.5° | 5759 | 6299 | 6968 | 7627 | 8213  | 8797  | 9336  | 10008 | 10692 | 11429 | 12188 |
| 75°   | 3838 | 4241 | 4740 | 5351 | 5889  | 6404  | 6927  | 7495  | 8163  | 8770  | 9465  |
| 77.5° | 2174 | 2408 | 2697 | 3095 | 3481  | 3789  | 4162  | 4429  | 4817  | 5151  | 5505  |
| 80°   | 1119 | 1182 | 1268 | 1364 | 1418  | 1410  | 1465  | 1410  | 1422  | 1378  | 1330  |
| 82.5° | 823  | 845  | 884  | 903  | 901   | 838   | 771   | 678   | 596   | 511   | 432   |
| 85°   | 559  | 573  | 583  | 598  | 593   | 566   | 506   | 425   | 347   | 278   | 223   |
| 87.5° | 97   | 100  | 99   | 107  | 107   | 100   | 82    | 70    | 59    | 44    | 31    |
| 90°   | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |





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CATALOG NUMBER: AVM-E06-LED-E-U-RW

**CANDELA DISTRIBUTION (continued):**

|       | 80°   | 81°   | 82°   | 83°   | 84°   | 85°   | 86°   | 87°   | 88°   | 89°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  | 3512  |
| 2.5°  | 3520  | 3520  | 3522  | 3520  | 3520  | 3520  | 3519  | 3521  | 3520  | 3517  | 3514  |
| 5°    | 3566  | 3563  | 3562  | 3564  | 3566  | 3562  | 3565  | 3568  | 3563  | 3564  | 3562  |
| 7.5°  | 3643  | 3642  | 3641  | 3643  | 3643  | 3642  | 3643  | 3640  | 3638  | 3641  | 3644  |
| 10°   | 3746  | 3745  | 3747  | 3747  | 3751  | 3749  | 3748  | 3751  | 3749  | 3747  | 3748  |
| 12.5° | 3867  | 3864  | 3869  | 3869  | 3872  | 3872  | 3871  | 3872  | 3871  | 3868  | 3866  |
| 15°   | 3975  | 3971  | 3972  | 3980  | 3979  | 3981  | 3981  | 3979  | 3978  | 3977  | 3978  |
| 17.5° | 4040  | 4038  | 4038  | 4042  | 4045  | 4044  | 4044  | 4044  | 4043  | 4044  | 4046  |
| 20°   | 4052  | 4052  | 4053  | 4057  | 4062  | 4059  | 4059  | 4061  | 4059  | 4061  | 4062  |
| 22.5° | 4029  | 4031  | 4033  | 4038  | 4039  | 4039  | 4039  | 4040  | 4042  | 4042  | 4044  |
| 25°   | 3997  | 3999  | 4002  | 4006  | 4010  | 4010  | 4010  | 4012  | 4012  | 4013  | 4014  |
| 27.5° | 3973  | 3975  | 3978  | 3982  | 3987  | 3987  | 3987  | 3989  | 3989  | 3990  | 3992  |
| 30°   | 3976  | 3972  | 3975  | 3977  | 3980  | 3980  | 3979  | 3980  | 3981  | 3981  | 3982  |
| 32.5° | 4019  | 4010  | 4007  | 4006  | 4007  | 4004  | 4003  | 4001  | 3999  | 3999  | 3998  |
| 35°   | 4133  | 4119  | 4118  | 4110  | 4102  | 4094  | 4095  | 4089  | 4091  | 4086  | 4082  |
| 37.5° | 4367  | 4351  | 4361  | 4344  | 4333  | 4325  | 4316  | 4304  | 4297  | 4306  | 4306  |
| 40°   | 4786  | 4775  | 4772  | 4775  | 4765  | 4770  | 4748  | 4742  | 4729  | 4738  | 4750  |
| 42.5° | 5365  | 5358  | 5396  | 5403  | 5407  | 5413  | 5417  | 5384  | 5383  | 5376  | 5356  |
| 45°   | 6080  | 6122  | 6120  | 6166  | 6168  | 6154  | 6160  | 6145  | 6139  | 6117  | 6144  |
| 47.5° | 6815  | 6895  | 6925  | 6935  | 6973  | 6982  | 6946  | 6934  | 6955  | 6919  | 6924  |
| 50°   | 7604  | 7690  | 7760  | 7807  | 7834  | 7836  | 7809  | 7803  | 7822  | 7754  | 7786  |
| 52.5° | 8380  | 8510  | 8642  | 8712  | 8762  | 8766  | 8787  | 8762  | 8772  | 8756  | 8788  |
| 55°   | 9145  | 9370  | 9525  | 9662  | 9749  | 9824  | 9831  | 9858  | 9860  | 9893  | 9860  |
| 57.5° | 9893  | 10138 | 10408 | 10651 | 10786 | 10871 | 10951 | 11060 | 11084 | 11071 | 11092 |
| 60°   | 10776 | 11155 | 11522 | 11802 | 12035 | 12258 | 12378 | 12549 | 12576 | 12650 | 12586 |
| 62.5° | 11892 | 12442 | 12940 | 13317 | 13671 | 14018 | 14280 | 14412 | 14492 | 14647 | 14596 |
| 65°   | 13604 | 14264 | 14923 | 15463 | 15959 | 16372 | 16770 | 16960 | 17170 | 17390 | 17430 |
| 67.5° | 15014 | 15831 | 16574 | 17232 | 17833 | 18292 | 18706 | 19035 | 19291 | 19453 | 19466 |
| 69°   | 15078 | 15927 | 16734 | 17440 | 18067 | 18555 | 18991 | 19357 | 19606 | 19772 | 19816 |
| 70°   | 14772 | 15641 | 16501 | 17214 | 17856 | 18355 | 18817 | 19166 | 19444 | 19613 | 19672 |
| 72.5° | 13051 | 13979 | 14898 | 15523 | 16179 | 16773 | 17143 | 17499 | 17891 | 17942 | 18104 |
| 75°   | 10288 | 11068 | 11781 | 12259 | 12807 | 13340 | 13703 | 13797 | 14002 | 14260 | 14168 |
| 77.5° | 5962  | 6202  | 6662  | 6780  | 6680  | 6912  | 6989  | 6825  | 6817  | 6968  | 6668  |
| 80°   | 1321  | 1246  | 1340  | 1270  | 1272  | 1274  | 1253  | 1245  | 1260  | 1245  | 1224  |
| 82.5° | 366   | 354   | 356   | 352   | 359   | 354   | 351   | 359   | 358   | 357   | 364   |
| 85°   | 176   | 174   | 171   | 170   | 166   | 161   | 153   | 153   | 157   | 151   | 154   |
| 87.5° | 23    | 22    | 22    | 26    | 23    | 19    | 19    | 19    | 18    | 18    | 18    |
| 90°   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

(END OF REPORT)