**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-3-50-70CRI-IL.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] LED-12641
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/29/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-15L-SIL-3-50-70CRI-IL
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_COLORTEMP] 5000

**CHARACTERISTICS**

| | |
|---|---|
| IES Classification | Type III |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 7649 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 75 |
| Total Luminaire Watts | 102 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.04 |
| Maximum Candela | 6257 |
| Maximum Candela Angle | 35H 67.5V |
| Maximum Candela (<90 Degrees Vertical) | 6257 |
| Maximum Candela Angle (<90 Degrees Vertical) | 35H 67.5V |
| Maximum Candela At 90 Degrees Vertical | 193 (2.5% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 803 (10.5% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

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**IES ROAD REPORT**
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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|---|---|---|---|
| FL - Front-Low (0-30) | 405.0 | N.A. | 5.3 |
| FM - Front-Medium (30-60) | 3402.4 | N.A. | 44.5 |
| FH - Front-High (60-80) | 2820.7 | N.A. | 36.9 |
| FVH - Front-Very High (80-90) | 162.8 | N.A. | 2.1 |
| BL - Back-Low (0-30) | 91.1 | N.A. | 1.2 |
| BM - Back-Medium (30-60) | 247.0 | N.A. | 3.2 |
| BH - Back-High (60-80) | 166.0 | N.A. | 2.2 |
| BVH - Back-Very High (80-90) | 52.4 | N.A. | 0.7 |
| UL - Uplight-Low (90-100) | 94.4 | N.A. | 1.2 |
| UH - Uplight-High (100-180) | 207.0 | N.A. | 2.7 |
| Total | 7648.8 | N.A. | 100.0 |
| BUG Rating | B1-U3-G2 | | |

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**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-3-50-70CRI-IL.IES**

**CANDELA TABULATION**

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | 15 | 25 | 30 | 35 | 45 | 55 | 65 | 75 |
| **0.0** | 327 | 327 | 327 | 327 | 327 | 327 | 327 | 327 | 327 | 327 |
| **2.5** | 373 | 369 | 366 | 362 | 366 | 358 | 355 | 346 | 339 | 335 |
| **5.0** | 514 | 508 | 504 | 490 | 490 | 478 | 464 | 430 | 391 | 354 |
| **7.5** | 598 | 600 | 582 | 592 | 599 | 604 | 583 | 521 | 467 | 401 |
| **10.0** | 651 | 659 | 675 | 655 | 664 | 669 | 630 | 619 | 561 | 466 |
| **12.5** | 677 | 675 | 677 | 692 | 689 | 685 | 702 | 675 | 658 | 534 |
| **15.0** | 748 | 728 | 739 | 751 | 736 | 731 | 735 | 736 | 705 | 634 |
| **17.5** | 767 | 783 | 774 | 775 | 801 | 825 | 790 | 797 | 792 | 724 |
| **20.0** | 866 | 878 | 885 | 906 | 881 | 882 | 912 | 889 | 873 | 842 |
| **22.5** | 1016 | 1008 | 1009 | 1025 | 1029 | 1038 | 1017 | 1026 | 1018 | 965 |
| **25.0** | 1134 | 1143 | 1197 | 1250 | 1223 | 1212 | 1229 | 1218 | 1203 | 1189 |
| **27.5** | 1368 | 1393 | 1419 | 1431 | 1468 | 1522 | 1469 | 1455 | 1475 | 1339 |
| **30.0** | 1559 | 1546 | 1659 | 1742 | 1754 | 1761 | 1872 | 1768 | 1693 | 1566 |
| **32.5** | 1788 | 1806 | 1912 | 1967 | 2036 | 2125 | 2173 | 2120 | 2001 | 1828 |
| **35.0** | 1920 | 1936 | 2050 | 2261 | 2353 | 2401 | 2558 | 2535 | 2285 | 1988 |
| **37.5** | 1974 | 2018 | 2153 | 2422 | 2558 | 2746 | 2911 | 2841 | 2477 | 2169 |
| **40.0** | 2005 | 2024 | 2224 | 2571 | 2735 | 2972 | 3229 | 3102 | 2704 | 2279 |
| **42.5** | 2004 | 2034 | 2300 | 2719 | 2912 | 3175 | 3531 | 3331 | 2934 | 2358 |
| **45.0** | 2036 | 2076 | 2413 | 2933 | 3124 | 3399 | 3750 | 3558 | 3086 | 2443 |
| **47.5** | 2121 | 2161 | 2585 | 3192 | 3401 | 3701 | 3974 | 3816 | 3149 | 2629 |
| **50.0** | 2159 | 2202 | 2706 | 3421 | 3687 | 4000 | 4214 | 3972 | 3315 | 2771 |
| **52.5** | 2166 | 2209 | 2741 | 3535 | 3879 | 4224 | 4455 | 4099 | 3502 | 2963 |
| **55.0** | 2494 | 2489 | 2881 | 3624 | 3974 | 4308 | 4614 | 4237 | 3709 | 3359 |
| **57.5** | 3748 | 3686 | 3752 | 4002 | 4194 | 4371 | 4675 | 4250 | 3851 | 3635 |
| **60.0** | 5033 | 5007 | 5025 | 4997 | 4926 | 4701 | 4572 | 4045 | 3824 | 3893 |
| **62.5** | 5510 | 5550 | 5644 | 5775 | 5737 | 5437 | 4469 | 3652 | 3709 | 4173 |
| **65.0** | 4490 | 4566 | 5177 | 6019 | 6176 | 5945 | 4843 | 3203 | 3335 | 4182 |
| **67.5** | 1819 | 1888 | 2718 | 4741 | 5808 | 6257 | 5349 | 2873 | 2673 | 3955 |
| **70.0** | 871 | 876 | 1093 | 1991 | 3463 | 5030 | 5751 | 3269 | 1877 | 3103 |
| **72.5** | 684 | 693 | 795 | 1128 | 1500 | 2194 | 5363 | 4569 | 1299 | 1798 |
| **75.0** | 570 | 587 | 660 | 825 | 976 | 1190 | 2777 | 3785 | 1209 | 643 |
| **77.5** | 486 | 500 | 548 | 661 | 739 | 859 | 1171 | 2031 | 719 | 298 |
| **80.0** | 426 | 437 | 468 | 522 | 561 | 647 | 803 | 786 | 426 | 204 |
| **82.5** | 362 | 370 | 390 | 422 | 447 | 491 | 617 | 578 | 348 | 188 |
| **85.0** | 235 | 242 | 254 | 273 | 292 | 326 | 450 | 514 | 319 | 183 |
| **87.5** | 129 | 137 | 147 | 164 | 180 | 201 | 289 | 352 | 256 | 148 |
| **90.0** | 63 | 67 | 82 | 96 | 109 | 120 | 160 | 193 | 153 | 114 |
| **92.5** | 33 | 36 | 51 | 63 | 68 | 74 | 92 | 107 | 100 | 102 |
| **95.0** | 35 | 34 | 49 | 59 | 63 | 69 | 80 | 85 | 92 | 96 |
| **97.5** | 39 | 36 | 49 | 59 | 63 | 69 | 79 | 83 | 91 | 83 |
| **100.0** | 42 | 37 | 50 | 60 | 64 | 69 | 77 | 80 | 84 | 70 |
| **102.5** | 43 | 38 | 50 | 60 | 64 | 68 | 76 | 76 | 74 | 55 |
| **105.0** | 45 | 40 | 49 | 60 | 65 | 68 | 75 | 70 | 62 | 46 |
| **107.5** | 45 | 42 | 49 | 61 | 65 | 67 | 70 | 62 | 51 | 42 |
| **110.0** | 46 | 44 | 48 | 61 | 64 | 66 | 65 | 52 | 43 | 39 |
| **112.5** | 46 | 45 | 48 | 60 | 63 | 63 | 57 | 45 | 38 | 37 |
| **115.0** | 46 | 46 | 47 | 58 | 59 | 58 | 49 | 41 | 34 | 36 |
| **117.5** | 46 | 46 | 46 | 55 | 55 | 52 | 44 | 37 | 32 | 35 |
| **120.0** | 46 | 46 | 45 | 50 | 49 | 47 | 41 | 35 | 31 | 34 |
| **122.5** | 46 | 45 | 42 | 45 | 45 | 43 | 39 | 34 | 31 | 33 |
| **125.0** | 45 | 44 | 40 | 41 | 42 | 41 | 38 | 34 | 31 | 33 |
| **127.5** | 42 | 41 | 38 | 38 | 39 | 39 | 36 | 34 | 32 | 33 |
| **130.0** | 40 | 39 | 37 | 36 | 38 | 37 | 36 | 35 | 32 | 34 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **132.5** | 39 | 38 | 37 | 35 | 36 | 36 | 36 | 34 | 33 | 35 |
| **135.0** | 38 | 38 | 36 | 35 | 35 | 36 | 35 | 33 | 32 | 35 |
| **137.5** | 38 | 38 | 36 | 35 | 34 | 33 | 31 | 30 | 31 | 34 |
| **140.0** | 36 | 36 | 34 | 31 | 30 | 29 | 26 | 26 | 28 | 31 |
| **142.5** | 32 | 31 | 30 | 26 | 25 | 22 | 20 | 20 | 22 | 26 |
| **145.0** | 27 | 26 | 24 | 20 | 18 | 15 | 14 | 15 | 17 | 20 |
| **147.5** | 20 | 19 | 17 | 13 | 12 | 11 | 9 | 9 | 12 | 14 |
| **150.0** | 13 | 13 | 11 | 9 | 8 | 6 | 5 | 6 | 8 | 8 |
| **152.5** | 9 | 9 | 8 | 4 | 4 | 3 | 2 | 3 | 5 | 6 |
| **155.0** | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 4 |
| **157.5** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| **160.0** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **162.5** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **165.0** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **167.5** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **170.0** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **172.5** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **175.0** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **177.5** | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **180.0** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| **Vert. Angles** | **Horizontal Angles** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **85** | **90** | **95** | **105** | **115** | **125** | **135** | **145** | **155** | **165** |
| **0.0** | 327 | 327 | 327 | 327 | 327 | 327 | 327 | 327 | 327 | 327 |
| **2.5** | 330 | 326 | 324 | 320 | 311 | 306 | 304 | 302 | 298 | 295 |
| **5.0** | 339 | 335 | 325 | 307 | 292 | 279 | 265 | 254 | 237 | 225 |
| **7.5** | 352 | 337 | 323 | 299 | 273 | 237 | 207 | 194 | 190 | 185 |
| **10.0** | 378 | 356 | 334 | 289 | 237 | 202 | 193 | 185 | 177 | 172 |
| **12.5** | 400 | 371 | 343 | 280 | 214 | 198 | 186 | 177 | 177 | 174 |
| **15.0** | 462 | 397 | 362 | 272 | 215 | 198 | 186 | 181 | 167 | 158 |
| **17.5** | 511 | 427 | 377 | 271 | 224 | 201 | 187 | 164 | 147 | 139 |
| **20.0** | 601 | 483 | 419 | 290 | 239 | 207 | 169 | 144 | 130 | 122 |
| **22.5** | 715 | 549 | 475 | 319 | 251 | 193 | 147 | 126 | 117 | 117 |
| **25.0** | 870 | 649 | 561 | 364 | 248 | 163 | 131 | 115 | 110 | 106 |
| **27.5** | 1005 | 804 | 640 | 393 | 219 | 141 | 119 | 109 | 100 | 98 |
| **30.0** | 1232 | 906 | 763 | 392 | 173 | 129 | 114 | 101 | 92 | 88 |
| **32.5** | 1394 | 1034 | 842 | 372 | 148 | 123 | 107 | 93 | 85 | 83 |
| **35.0** | 1519 | 1142 | 872 | 328 | 137 | 117 | 99 | 88 | 82 | 77 |
| **37.5** | 1637 | 1207 | 879 | 285 | 131 | 111 | 92 | 87 | 80 | 73 |
| **40.0** | 1709 | 1268 | 899 | 242 | 126 | 103 | 91 | 88 | 77 | 62 |
| **42.5** | 1799 | 1363 | 858 | 192 | 121 | 100 | 93 | 87 | 68 | 53 |
| **45.0** | 1863 | 1383 | 843 | 160 | 117 | 103 | 96 | 80 | 65 | 52 |
| **47.5** | 1937 | 1418 | 889 | 153 | 118 | 106 | 94 | 76 | 65 | 52 |
| **50.0** | 2092 | 1536 | 902 | 153 | 124 | 112 | 91 | 75 | 67 | 54 |
| **52.5** | 2231 | 1651 | 957 | 146 | 128 | 126 | 92 | 77 | 76 | 93 |
| **55.0** | 2513 | 1869 | 1039 | 132 | 109 | 124 | 103 | 90 | 114 | 120 |
| **57.5** | 2912 | 2150 | 1108 | 124 | 100 | 100 | 110 | 117 | 133 | 90 |
| **60.0** | 3358 | 2461 | 1190 | 117 | 98 | 95 | 114 | 124 | 104 | 66 |
| **62.5** | 3721 | 2684 | 1258 | 111 | 98 | 97 | 111 | 102 | 98 | 73 |
| **65.0** | 3841 | 2674 | 1062 | 108 | 98 | 102 | 101 | 84 | 92 | 76 |
| **67.5** | 3575 | 2164 | 727 | 107 | 97 | 100 | 93 | 92 | 85 | 75 |
| **70.0** | 2798 | 1370 | 374 | 102 | 99 | 105 | 97 | 90 | 86 | 76 |
| **72.5** | 1376 | 621 | 153 | 102 | 99 | 101 | 94 | 91 | 83 | 79 |
| **75.0** | 386 | 218 | 128 | 101 | 100 | 97 | 96 | 92 | 86 | 80 |
| **77.5** | 253 | 167 | 114 | 104 | 102 | 97 | 99 | 94 | 89 | 83 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **80.0** | 188 | 144 | 105 | 106 | 102 | 98 | 102 | 96 | 91 | 85 |
| **82.5** | 148 | 119 | 102 | 114 | 106 | 100 | 106 | 99 | 94 | 90 |
| **85.0** | 126 | 92 | 97 | 115 | 107 | 102 | 109 | 103 | 95 | 91 |
| **87.5** | 103 | 77 | 93 | 116 | 109 | 102 | 111 | 104 | 98 | 91 |
| **90.0** | 86 | 65 | 98 | 116 | 109 | 102 | 112 | 106 | 100 | 93 |
| **92.5** | 80 | 66 | 96 | 115 | 110 | 100 | 111 | 108 | 104 | 96 |
| **95.0** | 73 | 84 | 91 | 112 | 107 | 96 | 106 | 106 | 103 | 96 |
| **97.5** | 67 | 92 | 88 | 102 | 100 | 90 | 101 | 100 | 99 | 92 |
| **100.0** | 69 | 88 | 84 | 89 | 93 | 84 | 95 | 96 | 96 | 87 |
| **102.5** | 68 | 80 | 78 | 77 | 86 | 81 | 91 | 92 | 93 | 82 |
| **105.0** | 63 | 71 | 72 | 69 | 77 | 78 | 87 | 90 | 90 | 75 |
| **107.5** | 56 | 63 | 65 | 63 | 70 | 73 | 83 | 87 | 86 | 67 |
| **110.0** | 51 | 57 | 59 | 58 | 63 | 69 | 80 | 84 | 83 | 62 |
| **112.5** | 47 | 52 | 53 | 55 | 58 | 66 | 76 | 81 | 78 | 56 |
| **115.0** | 44 | 48 | 49 | 52 | 55 | 63 | 72 | 77 | 73 | 52 |
| **117.5** | 41 | 44 | 46 | 50 | 52 | 60 | 69 | 73 | 67 | 48 |
| **120.0** | 39 | 42 | 43 | 48 | 51 | 58 | 65 | 69 | 60 | 45 |
| **122.5** | 37 | 39 | 42 | 46 | 49 | 56 | 62 | 63 | 53 | 44 |
| **125.0** | 36 | 38 | 40 | 45 | 49 | 55 | 59 | 58 | 48 | 42 |
| **127.5** | 35 | 37 | 39 | 44 | 48 | 54 | 56 | 53 | 43 | 41 |
| **130.0** | 36 | 37 | 39 | 43 | 48 | 52 | 53 | 48 | 39 | 39 |
| **132.5** | 36 | 38 | 39 | 44 | 46 | 48 | 49 | 43 | 38 | 38 |
| **135.0** | 37 | 38 | 40 | 43 | 43 | 42 | 41 | 38 | 36 | 37 |
| **137.5** | 36 | 38 | 39 | 41 | 39 | 35 | 31 | 31 | 31 | 35 |
| **140.0** | 34 | 35 | 35 | 35 | 33 | 29 | 23 | 22 | 25 | 29 |
| **142.5** | 29 | 30 | 31 | 30 | 26 | 22 | 17 | 15 | 18 | 21 |
| **145.0** | 23 | 23 | 23 | 22 | 19 | 15 | 11 | 10 | 12 | 15 |
| **147.5** | 16 | 16 | 16 | 15 | 13 | 9 | 6 | 6 | 8 | 9 |
| **150.0** | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 6 |
| **152.5** | 6 | 6 | 6 | 6 | 5 | 4 | 3 | 2 | 2 | 3 |
| **155.0** | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 |
| **157.5** | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 |
| **160.0** | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 1 |
| **162.5** | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 |
| **165.0** | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 |
| **167.5** | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 |
| **170.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| **172.5** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| **175.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| **177.5** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| **180.0** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| **Vert. Angles** | **Horizontal Angles** | |
|---|---|---|
| | **175** | **180** |
| **0.0** | 327 | 327 |
| **2.5** | 291 | 292 |
| **5.0** | 216 | 216 |
| **7.5** | 183 | 183 |
| **10.0** | 171 | 169 |
| **12.5** | 171 | 171 |
| **15.0** | 153 | 153 |
| **17.5** | 134 | 133 |
| **20.0** | 119 | 117 |
| **22.5** | 113 | 112 |
| **25.0** | 103 | 103 |

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**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **27.5** | 93 | 92 |
| **30.0** | 86 | 84 |
| **32.5** | 81 | 80 |
| **35.0** | 77 | 76 |
| **37.5** | 71 | 69 |
| **40.0** | 59 | 58 |
| **42.5** | 53 | 53 |
| **45.0** | 52 | 52 |
| **47.5** | 52 | 52 |
| **50.0** | 55 | 55 |
| **52.5** | 103 | 106 |
| **55.0** | 120 | 123 |
| **57.5** | 50 | 51 |
| **60.0** | 46 | 49 |
| **62.5** | 46 | 47 |
| **65.0** | 46 | 45 |
| **67.5** | 46 | 41 |
| **70.0** | 45 | 37 |
| **72.5** | 46 | 34 |
| **75.0** | 49 | 31 |
| **77.5** | 49 | 29 |
| **80.0** | 51 | 27 |
| **82.5** | 53 | 29 |
| **85.0** | 55 | 30 |
| **87.5** | 56 | 33 |
| **90.0** | 57 | 37 |
| **92.5** | 60 | 47 |
| **95.0** | 61 | 55 |
| **97.5** | 61 | 62 |
| **100.0** | 60 | 65 |
| **102.5** | 59 | 66 |
| **105.0** | 57 | 65 |
| **107.5** | 56 | 62 |
| **110.0** | 55 | 60 |
| **112.5** | 53 | 57 |
| **115.0** | 52 | 54 |
| **117.5** | 51 | 52 |
| **120.0** | 49 | 50 |
| **122.5** | 47 | 48 |
| **125.0** | 45 | 46 |
| **127.5** | 43 | 43 |
| **130.0** | 41 | 41 |
| **132.5** | 39 | 39 |
| **135.0** | 38 | 38 |
| **137.5** | 36 | 36 |
| **140.0** | 30 | 30 |
| **142.5** | 23 | 23 |
| **145.0** | 16 | 16 |
| **147.5** | 10 | 11 |
| **150.0** | 6 | 6 |
| **152.5** | 4 | 4 |
| **155.0** | 1 | 1 |
| **157.5** | 0 | 0 |
| **160.0** | 0 | 0 |
| **162.5** | 0 | 0 |
| **165.0** | 0 | 0 |

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Results derived from content of manufacturers photometric file.

**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **167.5** | 0 | 0 |
| **170.0** | 0 | 0 |
| **172.5** | 0 | 0 |
| **175.0** | 0 | 0 |
| **177.5** | 0 | 0 |
| **180.0** | 1 | 1 |

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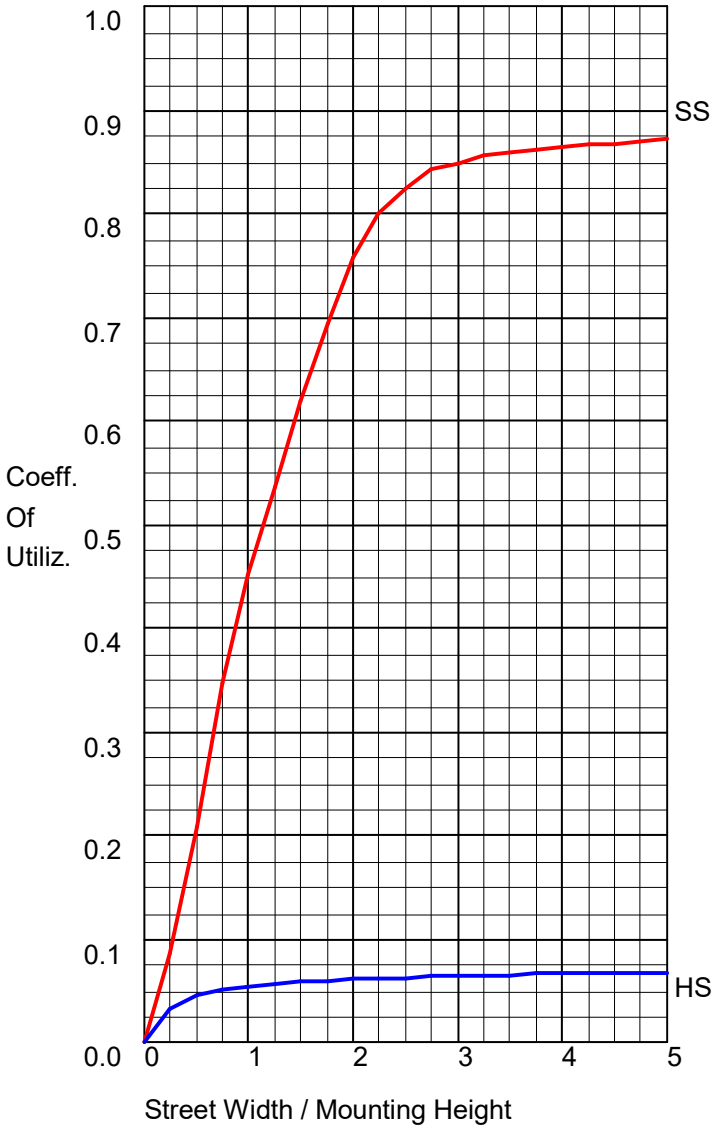
**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-3-50-70CRI-IL.IES**

**COEFFICIENTS OF UTILIZATION**




**FLUX DISTRIBUTION**

| | Lumens | Percent Of Luminaire |
|---|---|---|
| Downward Street Side | 6791.0 | 88.8 |
| Downward House Side | 556.5 | 7.3 |
| Downward Total | 7347.5 | 96.1 |
| Upward Street Side | 134.7 | 1.8 |
| Upward House Side | 166.8 | 2.2 |
| Upward Total | 301.5 | 3.9 |
| Total Flux | 7649.0 | 100.0 |

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**IES ROAD REPORT**
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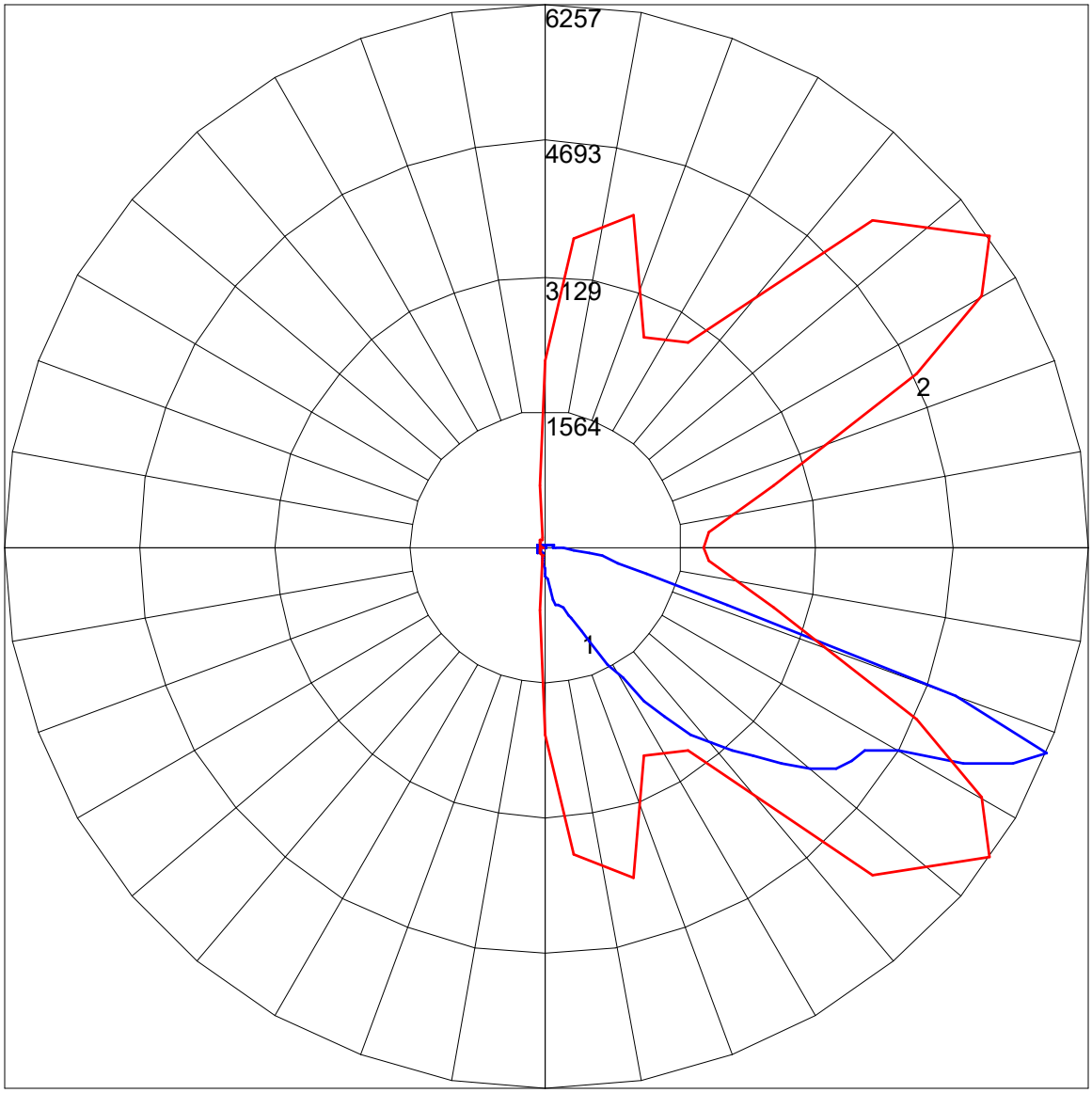
**POLAR GRAPH**




Maximum Candela = 6257  Located At Horizontal Angle = 35, Vertical Angle = 67.5
# 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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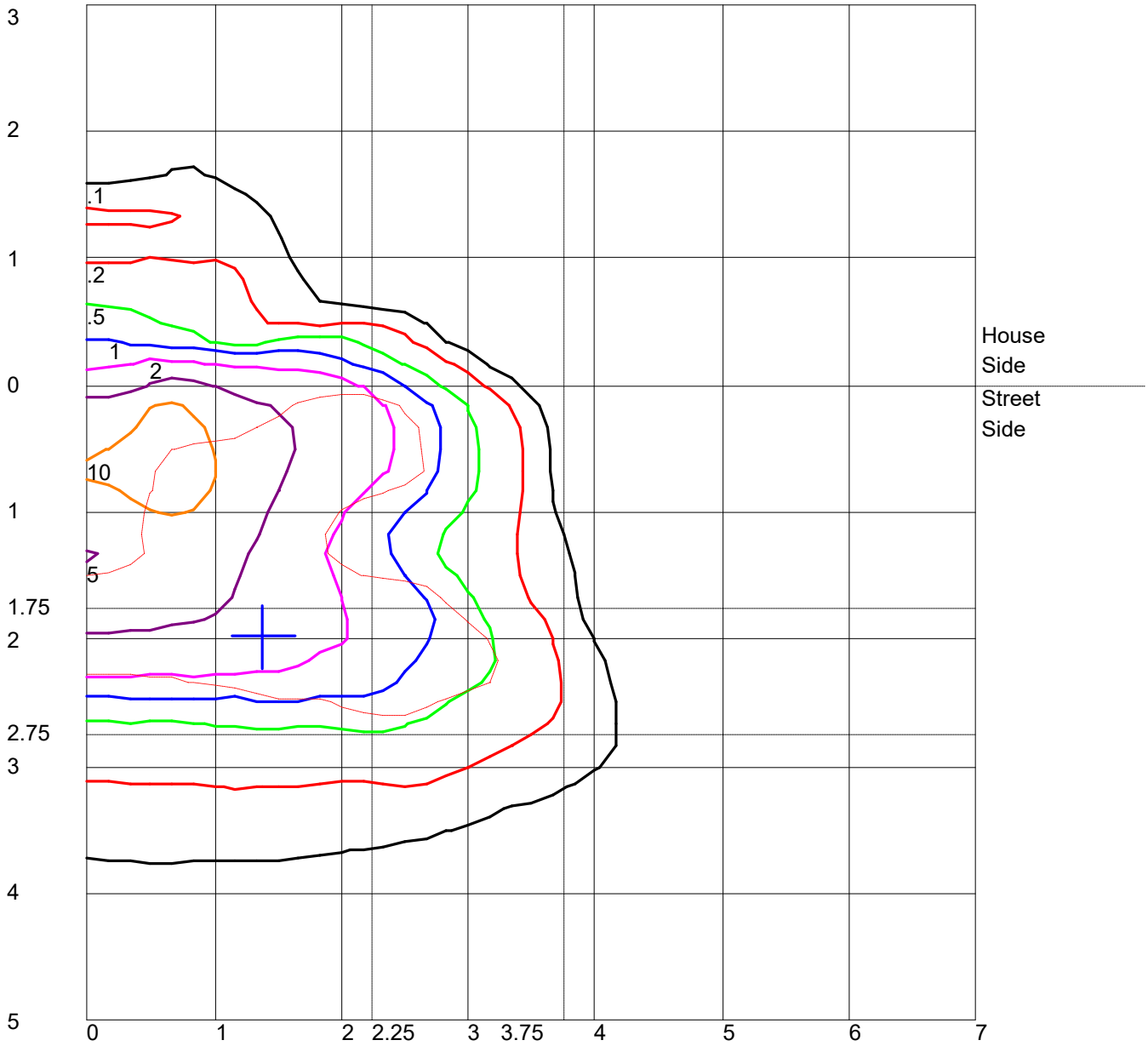
**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-3-50-70CRI-IL.IES**

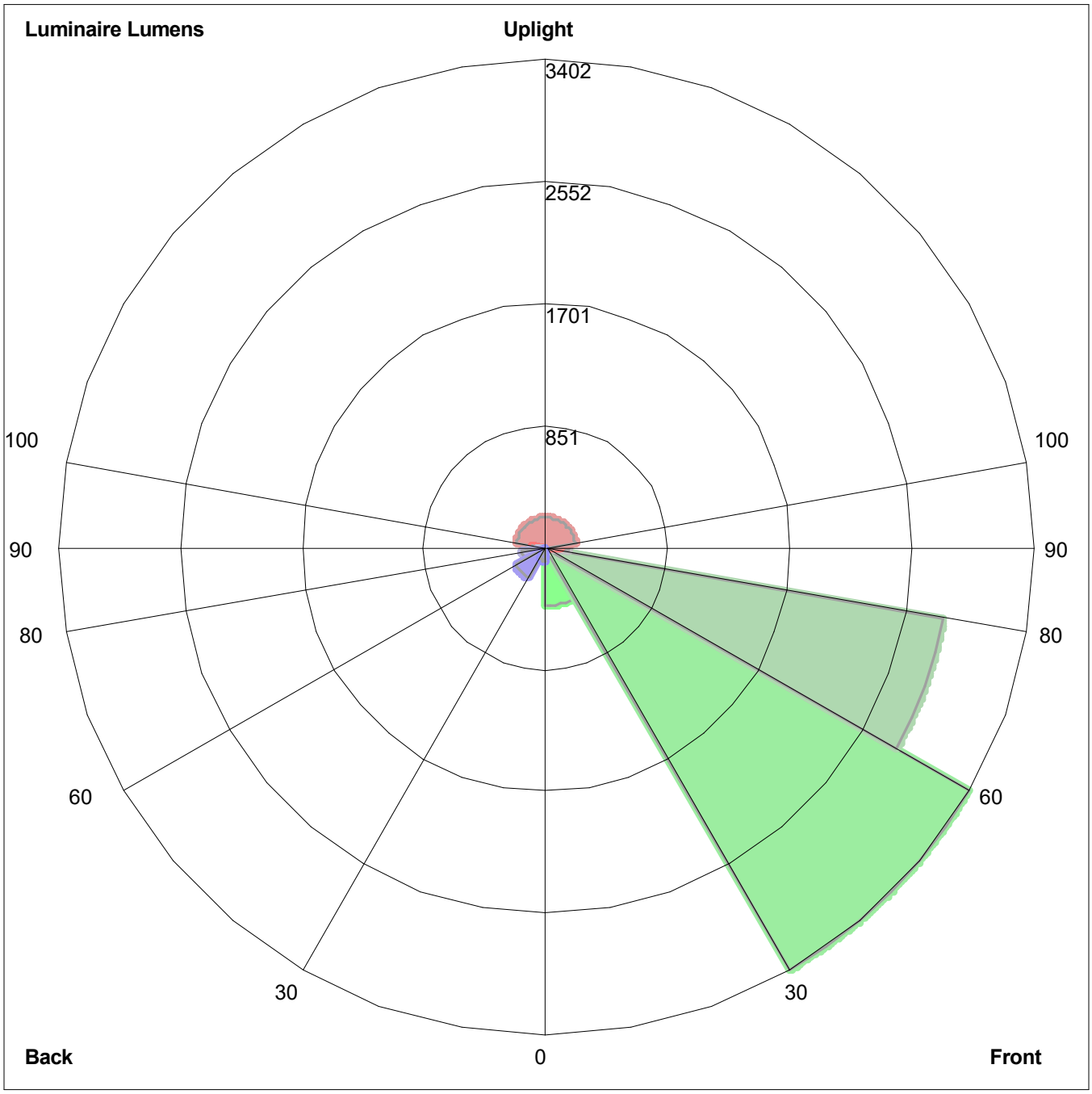
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE**




Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-3-50-70CRI-IL.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**




Luminaire Lumens:
Front: Low=405.0, Medium=3402.4, High=2820.7, Very High=162.8
Back: Low=91.1, Medium=247.0, High=166.0, Very High=52.4
Uplight: Low=94.4, High=207.0

BUG Rating : B1-U3-G2

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.