**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-2-50-70CRI.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] LED-12569
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/05/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-15L-SIL-2-50-70CRI
[_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 II |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 15149 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 149 |
| Total Luminaire Watts | 102 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.05 |
| Maximum Candela | 9061 |
| Maximum Candela Angle | 72.5H 62.5V |
| Maximum Candela (<90 Degrees Vertical) | 9061 |
| Maximum Candela Angle (<90 Degrees Vertical) | 72.5H 62.5V |
| Maximum Candela At 90 Degrees Vertical | 242 (1.6% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 797 (5.3% 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) | 929.0 | N.A. | 6.1 |
| FM - Front-Medium (30-60) | 5651.9 | N.A. | 37.3 |
| FH - Front-High (60-80) | 2320.6 | N.A. | 15.3 |
| FVH - Front-Very High (80-90) | 161.9 | N.A. | 1.1 |
| BL - Back-Low (0-30) | 795.6 | N.A. | 5.3 |
| BM - Back-Medium (30-60) | 3298.3 | N.A. | 21.8 |
| BH - Back-High (60-80) | 1084.9 | N.A. | 7.2 |
| BVH - Back-Very High (80-90) | 181.9 | N.A. | 1.2 |
| UL - Uplight-Low (90-100) | 203.3 | N.A. | 1.3 |
| UH - Uplight-High (100-180) | 521.7 | N.A. | 3.4 |
| Total | 15149.1 | N.A. | 100.0 |
| BUG Rating | B3-U4-G3 | | |

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**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-2-50-70CRI.IES**

**CANDELA TABULATION**

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 72.5 | 75.0 |
| **0.0** | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 |
| **2.5** | 1320 | 1317 | 1330 | 1350 | 1350 | 1345 | 1335 | 1306 | 1299 | 1299 |
| **5.0** | 1359 | 1353 | 1374 | 1398 | 1403 | 1395 | 1378 | 1359 | 1349 | 1356 |
| **7.5** | 1401 | 1394 | 1358 | 1373 | 1356 | 1359 | 1408 | 1412 | 1386 | 1377 |
| **10.0** | 1436 | 1441 | 1447 | 1450 | 1464 | 1424 | 1393 | 1444 | 1427 | 1430 |
| **12.5** | 1569 | 1596 | 1570 | 1555 | 1538 | 1500 | 1526 | 1471 | 1572 | 1575 |
| **15.0** | 1642 | 1639 | 1653 | 1646 | 1692 | 1627 | 1623 | 1660 | 1633 | 1695 |
| **17.5** | 1852 | 1843 | 1864 | 1767 | 1796 | 1877 | 1771 | 1834 | 1782 | 1833 |
| **20.0** | 1991 | 1990 | 2011 | 1985 | 2045 | 1974 | 2047 | 2026 | 1977 | 1977 |
| **22.5** | 2317 | 2297 | 2341 | 2278 | 2269 | 2229 | 2242 | 2212 | 2223 | 2210 |
| **25.0** | 2739 | 2722 | 2657 | 2594 | 2612 | 2487 | 2476 | 2509 | 2428 | 2426 |
| **27.5** | 3392 | 3408 | 3331 | 3197 | 2973 | 2895 | 2812 | 2778 | 2716 | 2706 |
| **30.0** | 4063 | 4090 | 4028 | 3806 | 3645 | 3309 | 3224 | 3128 | 3073 | 3083 |
| **32.5** | 4247 | 4267 | 4329 | 4456 | 4284 | 3944 | 3819 | 3566 | 3505 | 3411 |
| **35.0** | 4094 | 4066 | 4145 | 4423 | 4760 | 4556 | 4423 | 4054 | 3880 | 3781 |
| **37.5** | 4223 | 4186 | 4182 | 4309 | 4623 | 4917 | 4975 | 4737 | 4278 | 4146 |
| **40.0** | 4488 | 4433 | 4411 | 4461 | 4673 | 4948 | 5103 | 5534 | 4743 | 4628 |
| **42.5** | 4686 | 4589 | 4568 | 4614 | 4841 | 5131 | 5265 | 5767 | 5482 | 5212 |
| **45.0** | 4638 | 4570 | 4561 | 4664 | 4961 | 5386 | 5613 | 5675 | 6216 | 6037 |
| **47.5** | 4430 | 4398 | 4393 | 4584 | 4967 | 5626 | 5883 | 5754 | 6574 | 6574 |
| **50.0** | 4177 | 4141 | 4129 | 4357 | 4854 | 5796 | 6235 | 6048 | 6768 | 6809 |
| **52.5** | 3726 | 3696 | 3706 | 3938 | 4574 | 5809 | 6573 | 6641 | 6991 | 7110 |
| **55.0** | 3121 | 3106 | 3174 | 3382 | 4064 | 5571 | 6774 | 7186 | 7307 | 7460 |
| **57.5** | 2499 | 2491 | 2536 | 2772 | 3398 | 4974 | 6731 | 7545 | 7813 | 7927 |
| **60.0** | 1750 | 1772 | 1838 | 2037 | 2555 | 4061 | 6431 | 7780 | 8255 | 8270 |
| **62.5** | 1081 | 1096 | 1141 | 1304 | 1692 | 2784 | 5699 | 7617 | 9061 | 8644 |
| **65.0** | 883 | 882 | 892 | 926 | 1060 | 1573 | 4499 | 7084 | 8781 | 8922 |
| **67.5** | 769 | 769 | 767 | 800 | 840 | 904 | 2921 | 5909 | 7492 | 7782 |
| **70.0** | 570 | 578 | 614 | 673 | 738 | 746 | 1486 | 4253 | 5478 | 5923 |
| **72.5** | 456 | 464 | 461 | 476 | 606 | 650 | 804 | 2440 | 3489 | 3743 |
| **75.0** | 387 | 404 | 405 | 410 | 471 | 546 | 616 | 1382 | 2136 | 2288 |
| **77.5** | 319 | 350 | 355 | 358 | 408 | 462 | 520 | 920 | 1347 | 1335 |
| **80.0** | 285 | 315 | 320 | 313 | 352 | 403 | 439 | 619 | 797 | 792 |
| **82.5** | 254 | 269 | 281 | 275 | 304 | 344 | 381 | 465 | 559 | 561 |
| **85.0** | 202 | 216 | 236 | 235 | 257 | 292 | 319 | 354 | 403 | 420 |
| **87.5** | 122 | 141 | 180 | 191 | 207 | 231 | 251 | 266 | 280 | 281 |
| **90.0** | 80 | 99 | 146 | 163 | 178 | 195 | 203 | 216 | 225 | 228 |
| **92.5** | 92 | 101 | 148 | 166 | 181 | 197 | 200 | 214 | 223 | 227 |
| **95.0** | 105 | 105 | 150 | 169 | 183 | 198 | 197 | 214 | 222 | 224 |
| **97.5** | 119 | 109 | 151 | 170 | 184 | 196 | 190 | 211 | 212 | 201 |
| **100.0** | 126 | 112 | 150 | 171 | 183 | 193 | 184 | 199 | 186 | 169 |
| **102.5** | 131 | 117 | 148 | 171 | 182 | 190 | 179 | 181 | 155 | 143 |
| **105.0** | 134 | 122 | 144 | 171 | 181 | 186 | 170 | 161 | 132 | 128 |
| **107.5** | 136 | 127 | 141 | 171 | 180 | 180 | 157 | 141 | 117 | 119 |
| **110.0** | 137 | 130 | 136 | 169 | 177 | 171 | 143 | 122 | 109 | 112 |
| **112.5** | 136 | 133 | 133 | 167 | 172 | 158 | 130 | 108 | 102 | 106 |
| **115.0** | 135 | 133 | 130 | 162 | 164 | 146 | 119 | 98 | 98 | 101 |
| **117.5** | 134 | 133 | 128 | 155 | 153 | 134 | 110 | 92 | 95 | 96 |
| **120.0** | 133 | 132 | 125 | 146 | 143 | 126 | 105 | 89 | 92 | 92 |
| **122.5** | 131 | 130 | 121 | 134 | 134 | 119 | 100 | 87 | 89 | 89 |
| **125.0** | 128 | 127 | 116 | 123 | 126 | 114 | 98 | 87 | 86 | 86 |
| **127.5** | 123 | 122 | 112 | 113 | 119 | 110 | 98 | 87 | 86 | 86 |
| **130.0** | 116 | 115 | 109 | 106 | 113 | 109 | 99 | 89 | 87 | 87 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **132.5** | 112 | 111 | 106 | 102 | 110 | 106 | 95 | 89 | 89 | 89 |
| **135.0** | 109 | 109 | 106 | 102 | 104 | 97 | 89 | 89 | 91 | 91 |
| **137.5** | 109 | 109 | 105 | 95 | 90 | 83 | 79 | 83 | 89 | 90 |
| **140.0** | 96 | 96 | 92 | 82 | 71 | 63 | 65 | 70 | 77 | 79 |
| **142.5** | 80 | 80 | 74 | 65 | 51 | 47 | 50 | 56 | 63 | 65 |
| **145.0** | 63 | 62 | 56 | 45 | 35 | 33 | 35 | 41 | 48 | 49 |
| **147.5** | 43 | 42 | 37 | 31 | 25 | 18 | 21 | 28 | 31 | 33 |
| **150.0** | 31 | 30 | 27 | 21 | 11 | 5 | 8 | 15 | 19 | 19 |
| **152.5** | 18 | 19 | 13 | 7 | 2 | 1 | 2 | 4 | 6 | 8 |
| **155.0** | 6 | 6 | 4 | 2 | 0 | 0 | 0 | 1 | 1 | 2 |
| **157.5** | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **160.0** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **162.5** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **165.0** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **167.5** | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **170.0** | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **172.5** | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **175.0** | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **177.5** | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| **180.0** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| **Vert. Angles** | **Horizontal Angles** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **85.0** | **90.0** | **95.0** | **105.0** | **115.0** | **125.0** | **135.0** | **145.0** | **155.0** | **165.0** |
| **0.0** | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 | 1296 |
| **2.5** | 1289 | 1280 | 1281 | 1288 | 1280 | 1293 | 1303 | 1296 | 1299 | 1310 |
| **5.0** | 1294 | 1277 | 1280 | 1330 | 1340 | 1335 | 1354 | 1335 | 1325 | 1318 |
| **7.5** | 1340 | 1307 | 1315 | 1361 | 1370 | 1334 | 1293 | 1236 | 1243 | 1256 |
| **10.0** | 1395 | 1363 | 1361 | 1396 | 1379 | 1295 | 1315 | 1290 | 1281 | 1248 |
| **12.5** | 1531 | 1469 | 1501 | 1520 | 1388 | 1356 | 1306 | 1285 | 1273 | 1348 |
| **15.0** | 1671 | 1582 | 1616 | 1614 | 1504 | 1457 | 1356 | 1403 | 1385 | 1425 |
| **17.5** | 1828 | 1751 | 1815 | 1759 | 1615 | 1502 | 1526 | 1466 | 1487 | 1641 |
| **20.0** | 1990 | 1959 | 1981 | 1871 | 1760 | 1635 | 1552 | 1668 | 1720 | 1815 |
| **22.5** | 2299 | 2213 | 2217 | 2076 | 1875 | 1742 | 1748 | 1868 | 1959 | 2159 |
| **25.0** | 2504 | 2510 | 2422 | 2254 | 2037 | 1859 | 1935 | 2117 | 2239 | 2387 |
| **27.5** | 2875 | 2785 | 2761 | 2447 | 2134 | 2061 | 2188 | 2374 | 2516 | 2698 |
| **30.0** | 3140 | 3095 | 3055 | 2720 | 2332 | 2306 | 2428 | 2590 | 2742 | 2968 |
| **32.5** | 3395 | 3335 | 3318 | 2982 | 2502 | 2533 | 2592 | 2824 | 3062 | 3233 |
| **35.0** | 3720 | 3603 | 3565 | 3111 | 2633 | 2676 | 2791 | 3062 | 3174 | 3314 |
| **37.5** | 4042 | 3928 | 3860 | 3207 | 2752 | 2788 | 2971 | 3133 | 3230 | 3331 |
| **40.0** | 4428 | 4278 | 4139 | 3246 | 2866 | 2834 | 3052 | 3149 | 3227 | 3278 |
| **42.5** | 4788 | 4654 | 4350 | 3292 | 2908 | 2902 | 3045 | 3109 | 3117 | 3090 |
| **45.0** | 5196 | 4838 | 4677 | 3355 | 2796 | 2994 | 2975 | 2973 | 2860 | 2772 |
| **47.5** | 5686 | 5276 | 4881 | 3302 | 2805 | 2918 | 2837 | 2743 | 2548 | 2444 |
| **50.0** | 6133 | 5766 | 5036 | 3338 | 2756 | 2769 | 2641 | 2475 | 2254 | 2143 |
| **52.5** | 6728 | 6239 | 5262 | 3279 | 2651 | 2569 | 2405 | 2226 | 2001 | 1929 |
| **55.0** | 7289 | 6585 | 5408 | 3005 | 2487 | 2311 | 2159 | 1981 | 1816 | 1783 |
| **57.5** | 7707 | 7080 | 5252 | 2762 | 2299 | 2071 | 1902 | 1787 | 1668 | 1647 |
| **60.0** | 8089 | 7128 | 4942 | 2519 | 2033 | 1787 | 1673 | 1610 | 1512 | 1478 |
| **62.5** | 8158 | 6937 | 4369 | 2239 | 1743 | 1510 | 1457 | 1422 | 1333 | 1288 |
| **65.0** | 7742 | 6089 | 3489 | 1864 | 1370 | 1242 | 1253 | 1230 | 1140 | 1081 |
| **67.5** | 6444 | 4478 | 2436 | 1359 | 1067 | 978 | 1027 | 1011 | 921 | 890 |
| **70.0** | 4446 | 2843 | 1548 | 916 | 801 | 772 | 808 | 771 | 727 | 715 |
| **72.5** | 2808 | 1816 | 1039 | 679 | 656 | 620 | 637 | 606 | 581 | 561 |
| **75.0** | 1819 | 1281 | 798 | 581 | 594 | 533 | 521 | 494 | 474 | 479 |
| **77.5** | 861 | 665 | 587 | 525 | 540 | 460 | 441 | 422 | 422 | 421 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **80.0** | 521 | 480 | 458 | 477 | 480 | 395 | 380 | 375 | 395 | 406 |
| **82.5** | 389 | 368 | 362 | 424 | 403 | 338 | 336 | 349 | 408 | 443 |
| **85.0** | 313 | 236 | 293 | 366 | 330 | 297 | 304 | 332 | 411 | 466 |
| **87.5** | 259 | 126 | 258 | 294 | 274 | 254 | 262 | 298 | 338 | 343 |
| **90.0** | 192 | 89 | 217 | 242 | 234 | 219 | 222 | 210 | 195 | 178 |
| **92.5** | 152 | 154 | 186 | 242 | 233 | 217 | 221 | 211 | 198 | 180 |
| **95.0** | 148 | 202 | 170 | 240 | 231 | 212 | 218 | 210 | 199 | 181 |
| **97.5** | 161 | 211 | 177 | 223 | 222 | 201 | 214 | 205 | 197 | 179 |
| **100.0** | 172 | 201 | 180 | 193 | 212 | 193 | 209 | 202 | 195 | 174 |
| **102.5** | 169 | 187 | 174 | 169 | 197 | 187 | 204 | 200 | 194 | 170 |
| **105.0** | 159 | 170 | 163 | 150 | 178 | 180 | 198 | 197 | 192 | 164 |
| **107.5** | 146 | 153 | 151 | 137 | 160 | 170 | 192 | 194 | 190 | 157 |
| **110.0** | 133 | 139 | 137 | 127 | 143 | 158 | 184 | 190 | 185 | 150 |
| **112.5** | 121 | 126 | 124 | 118 | 126 | 147 | 173 | 185 | 180 | 143 |
| **115.0** | 111 | 115 | 114 | 110 | 115 | 137 | 162 | 178 | 174 | 137 |
| **117.5** | 103 | 106 | 106 | 105 | 106 | 129 | 153 | 169 | 165 | 131 |
| **120.0** | 96 | 99 | 99 | 100 | 101 | 123 | 144 | 158 | 154 | 126 |
| **122.5** | 92 | 93 | 93 | 96 | 99 | 117 | 136 | 149 | 143 | 122 |
| **125.0** | 87 | 89 | 90 | 93 | 98 | 114 | 130 | 140 | 130 | 118 |
| **127.5** | 86 | 87 | 89 | 92 | 98 | 113 | 125 | 131 | 119 | 114 |
| **130.0** | 86 | 87 | 89 | 92 | 99 | 113 | 122 | 123 | 111 | 111 |
| **132.5** | 88 | 89 | 90 | 95 | 98 | 109 | 119 | 117 | 105 | 108 |
| **135.0** | 92 | 92 | 92 | 96 | 97 | 100 | 109 | 112 | 103 | 107 |
| **137.5** | 93 | 94 | 95 | 94 | 92 | 89 | 92 | 95 | 99 | 107 |
| **140.0** | 87 | 89 | 88 | 84 | 79 | 75 | 72 | 77 | 86 | 96 |
| **142.5** | 72 | 75 | 74 | 69 | 63 | 58 | 53 | 58 | 68 | 79 |
| **145.0** | 56 | 57 | 58 | 53 | 47 | 41 | 38 | 39 | 51 | 60 |
| **147.5** | 36 | 38 | 39 | 36 | 32 | 26 | 25 | 29 | 34 | 42 |
| **150.0** | 22 | 22 | 23 | 23 | 19 | 12 | 10 | 17 | 25 | 30 |
| **152.5** | 10 | 11 | 11 | 11 | 8 | 5 | 4 | 6 | 12 | 19 |
| **155.0** | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 5 | 8 |
| **157.5** | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| **160.0** | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 3 |
| **162.5** | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 2 |
| **165.0** | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 2 |
| **167.5** | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 2 |
| **170.0** | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 2 |
| **172.5** | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| **175.0** | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| **177.5** | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| **180.0** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| **Vert. Angles** | **Horizontal Angles** | |
|---|---|---|
| | **175.0** | **180.0** |
| **0.0** | 1296 | 1296 |
| **2.5** | 1303 | 1314 |
| **5.0** | 1292 | 1280 |
| **7.5** | 1233 | 1246 |
| **10.0** | 1246 | 1215 |
| **12.5** | 1339 | 1349 |
| **15.0** | 1425 | 1376 |
| **17.5** | 1644 | 1678 |
| **20.0** | 1884 | 1809 |
| **22.5** | 2186 | 2183 |
| **25.0** | 2482 | 2491 |

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**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **27.5** | 2788 | 2827 |
| **30.0** | 3156 | 3146 |
| **32.5** | 3325 | 3326 |
| **35.0** | 3405 | 3430 |
| **37.5** | 3426 | 3491 |
| **40.0** | 3371 | 3448 |
| **42.5** | 3130 | 3187 |
| **45.0** | 2761 | 2807 |
| **47.5** | 2434 | 2461 |
| **50.0** | 2142 | 2163 |
| **52.5** | 1923 | 1938 |
| **55.0** | 1774 | 1784 |
| **57.5** | 1627 | 1634 |
| **60.0** | 1438 | 1453 |
| **62.5** | 1238 | 1229 |
| **65.0** | 1012 | 1008 |
| **67.5** | 844 | 835 |
| **70.0** | 688 | 675 |
| **72.5** | 530 | 512 |
| **75.0** | 450 | 426 |
| **77.5** | 379 | 350 |
| **80.0** | 368 | 333 |
| **82.5** | 428 | 390 |
| **85.0** | 465 | 433 |
| **87.5** | 238 | 237 |
| **90.0** | 116 | 83 |
| **92.5** | 117 | 92 |
| **95.0** | 121 | 107 |
| **97.5** | 124 | 123 |
| **100.0** | 126 | 134 |
| **102.5** | 129 | 143 |
| **105.0** | 131 | 147 |
| **107.5** | 134 | 148 |
| **110.0** | 137 | 148 |
| **112.5** | 139 | 147 |
| **115.0** | 139 | 144 |
| **117.5** | 139 | 141 |
| **120.0** | 136 | 138 |
| **122.5** | 133 | 134 |
| **125.0** | 129 | 130 |
| **127.5** | 124 | 125 |
| **130.0** | 119 | 120 |
| **132.5** | 113 | 115 |
| **135.0** | 110 | 111 |
| **137.5** | 109 | 110 |
| **140.0** | 100 | 101 |
| **142.5** | 84 | 85 |
| **145.0** | 66 | 66 |
| **147.5** | 48 | 48 |
| **150.0** | 32 | 32 |
| **152.5** | 23 | 23 |
| **155.0** | 9 | 9 |
| **157.5** | 5 | 4 |
| **160.0** | 3 | 3 |
| **162.5** | 2 | 2 |
| **165.0** | 2 | 2 |

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**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **167.5** | 2 | 2 |
| **170.0** | 2 | 2 |
| **172.5** | 2 | 2 |
| **175.0** | 2 | 2 |
| **177.5** | 2 | 2 |
| **180.0** | 1 | 1 |

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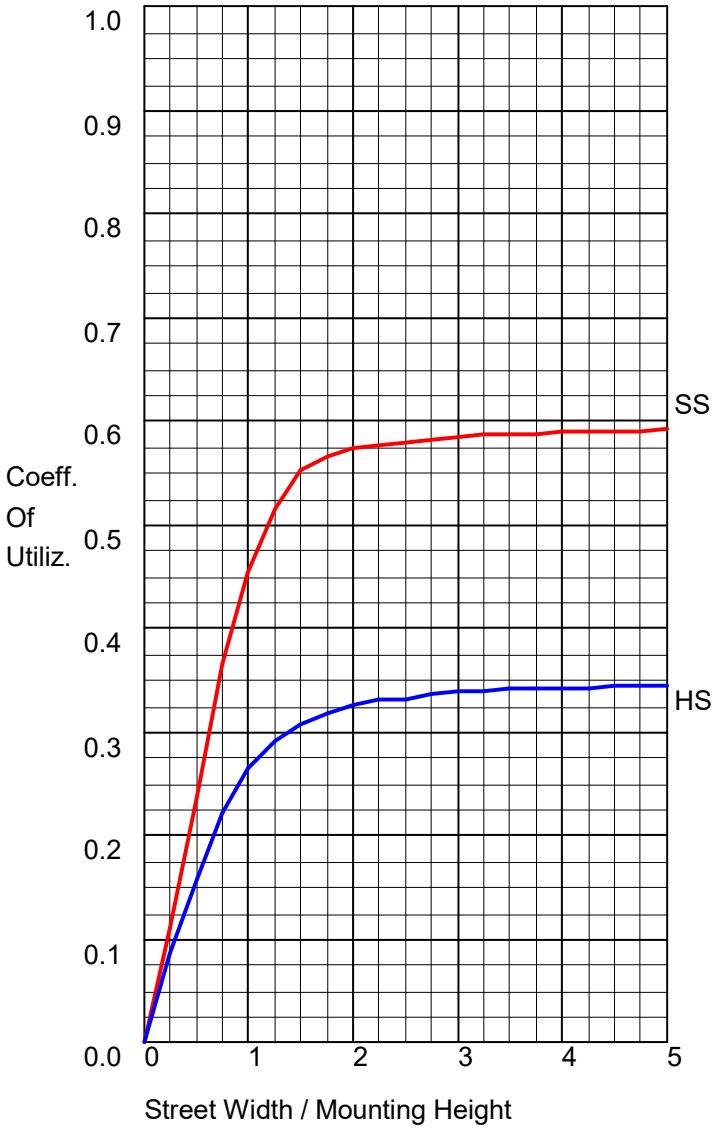
**COEFFICIENTS OF UTILIZATION**




**FLUX DISTRIBUTION**

| | Lumens | Percent Of Luminaire |
|---|---|---|
| Downward Street Side | 9063.3 | 59.8 |
| Downward House Side | 5360.7 | 35.4 |
| Downward Total | 14424.0 | 95.2 |
| Upward Street Side | 346.0 | 2.3 |
| Upward House Side | 379.0 | 2.5 |
| Upward Total | 725.0 | 4.8 |
| Total Flux | 15149.0 | 100.0 |

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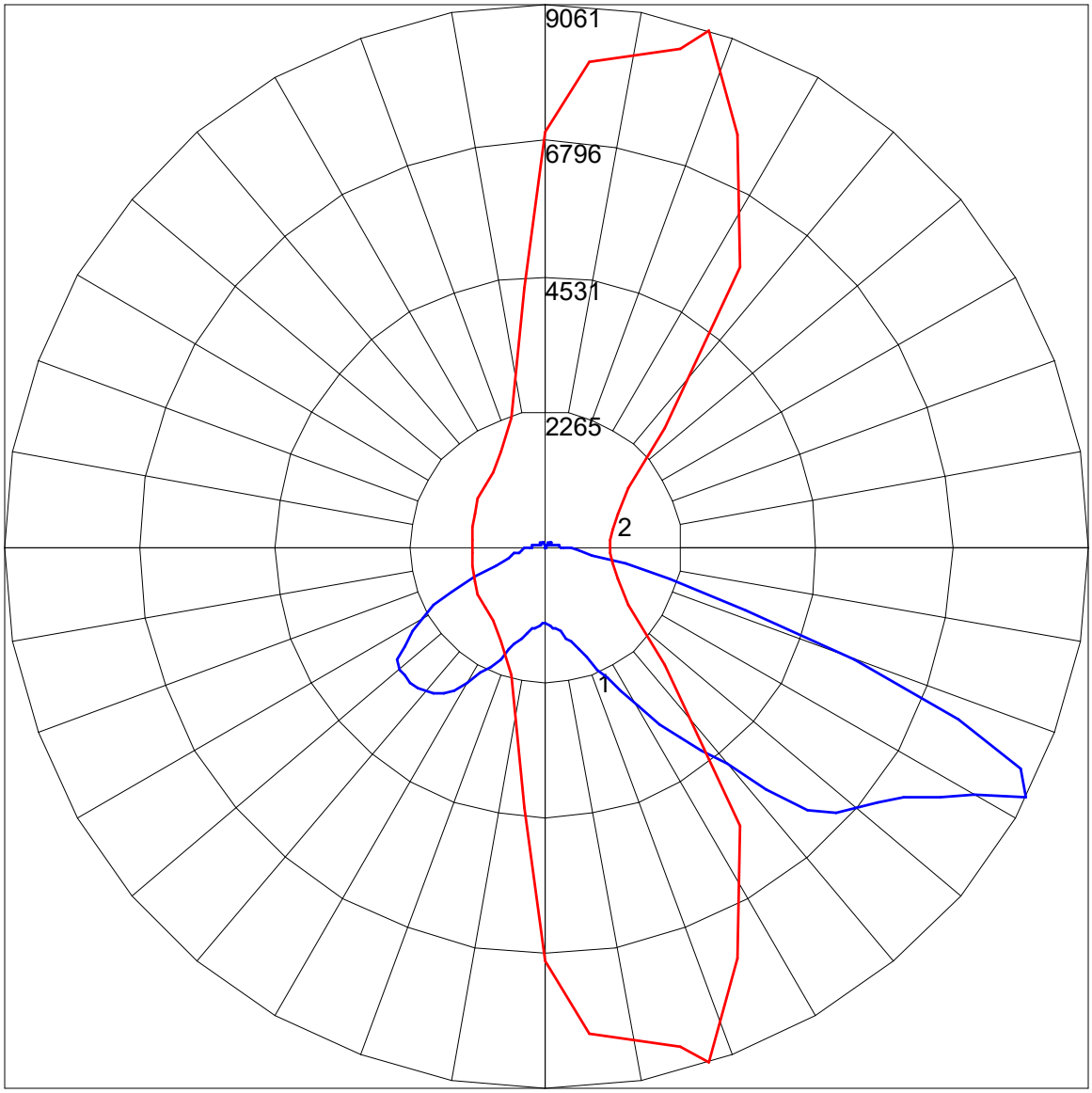
Results derived from content of manufacturers photometric file.

**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-2-50-70CRI.IES**

**POLAR GRAPH**




Maximum Candela = 9061  Located At Horizontal Angle = 72.5, Vertical Angle = 62.5
# 1 - Vertical Plane Through Horizontal Angles (72.5 - 252.5) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

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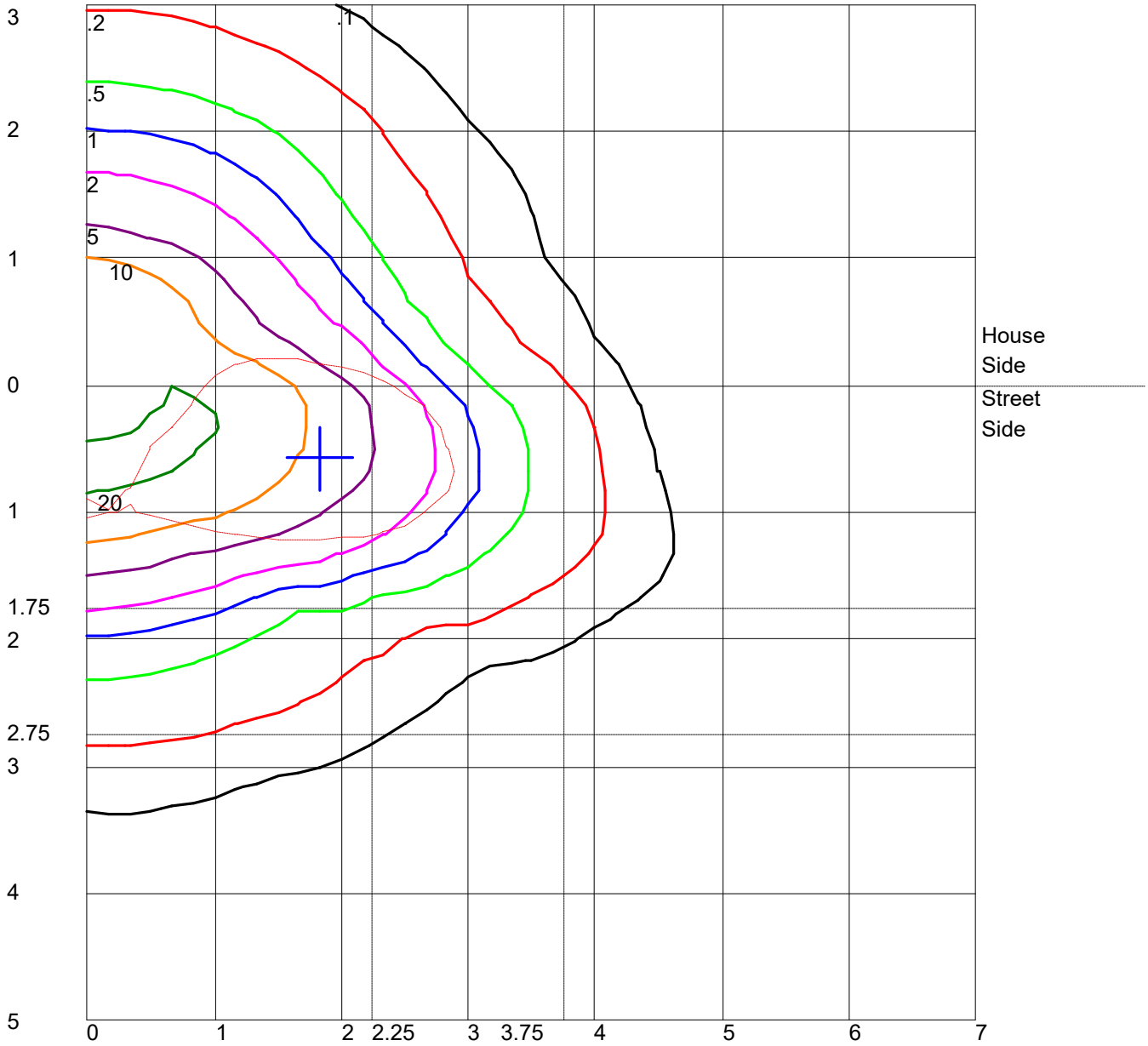
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-2-50-70CRI.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

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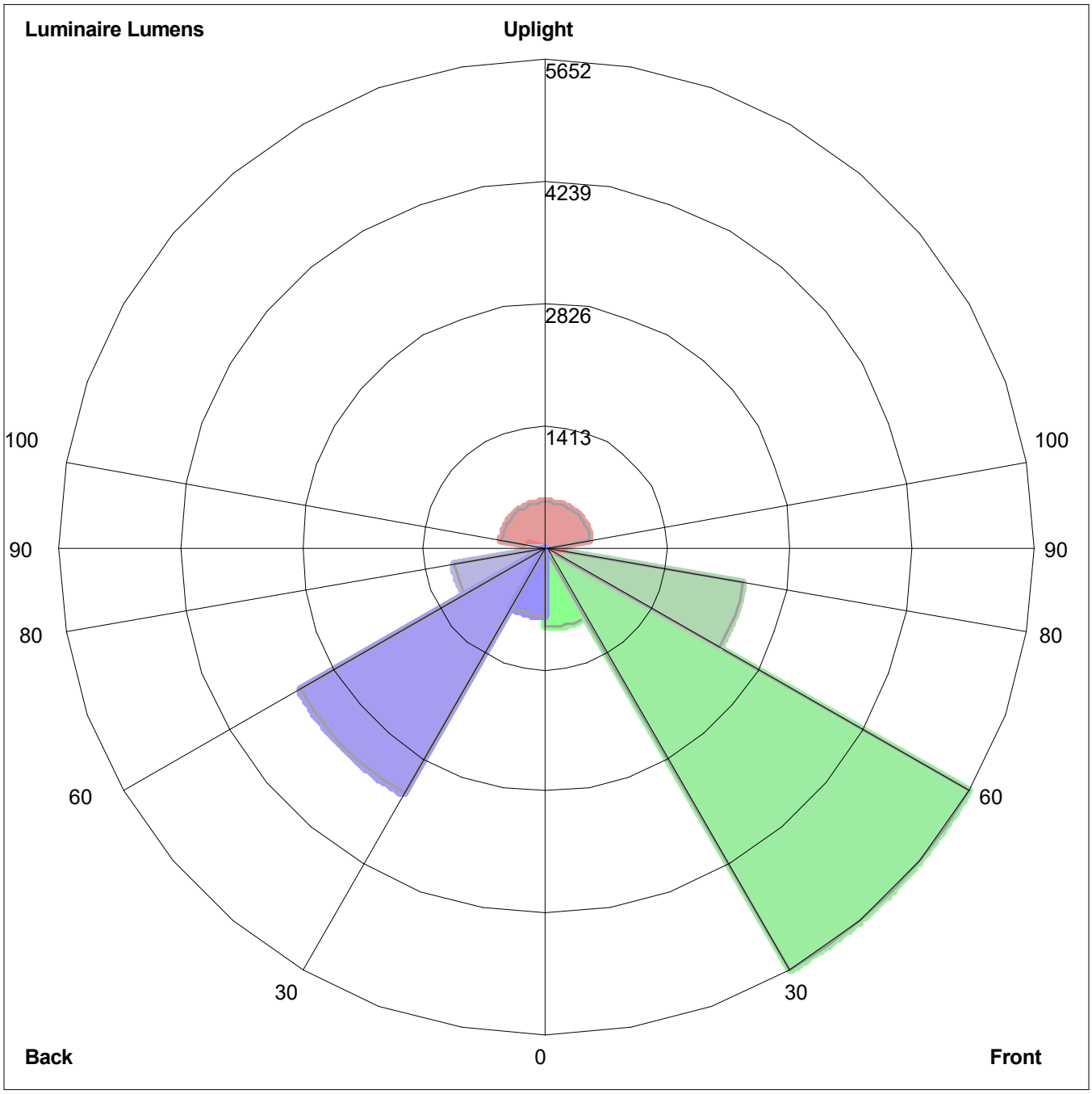
**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**




Luminaire Lumens:
Front: Low=929.0, Medium=5651.9, High=2320.6, Very High=161.9
Back: Low=795.6, Medium=3298.3, High=1084.9, Very High=181.9
Uplight: Low=203.3, High=521.7

BUG Rating : B3-U4-G3

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