**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-3-30-70CRI.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] LED-12570
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/05/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-25L-SIL-3-30-70CRI
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_COLORTEMP] 3000

**CHARACTERISTICS**

| | |
|---|---|
| IES Classification | Type III |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 25929 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 136 |
| Total Luminaire Watts | 191 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.04 |
| Maximum Candela | 19382 |
| Maximum Candela Angle | 50H 65V |
| Maximum Candela (<90 Degrees Vertical) | 19382 |
| Maximum Candela Angle (<90 Degrees Vertical) | 50H 65V |
| Maximum Candela At 90 Degrees Vertical | 381 (1.5% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1472 (5.7% 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) | 1012.5 | N.A. | 3.9 |
| FM - Front-Medium (30-60) | 9686.7 | N.A. | 37.4 |
| FH - Front-High (60-80) | 7776.5 | N.A. | 30.0 |
| FVH - Front-Very High (80-90) | 305.8 | N.A. | 1.2 |
| BL - Back-Low (0-30) | 926.1 | N.A. | 3.6 |
| BM - Back-Medium (30-60) | 3223.6 | N.A. | 12.4 |
| BH - Back-High (60-80) | 1743.4 | N.A. | 6.7 |
| BVH - Back-Very High (80-90) | 276.6 | N.A. | 1.1 |
| UL - Uplight-Low (90-100) | 292.8 | N.A. | 1.1 |
| UH - Uplight-High (100-180) | 685.3 | N.A. | 2.6 |
| Total | 25929.3 | N.A. | 100.0 |
| BUG Rating | B3-U4-G4 | | |

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**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-3-30-70CRI.IES**

**CANDELA TABULATION**

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | 15 | 25 | 35 | 45 | 50 | 55 | 65 | 75 |
| **0.0** | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 |
| **2.5** | 1588 | 1587 | 1597 | 1609 | 1607 | 1601 | 1588 | 1600 | 1580 | 1569 |
| **5.0** | 1525 | 1528 | 1539 | 1584 | 1610 | 1619 | 1615 | 1626 | 1623 | 1614 |
| **7.5** | 1507 | 1518 | 1490 | 1518 | 1522 | 1528 | 1551 | 1593 | 1624 | 1628 |
| **10.0** | 1484 | 1481 | 1502 | 1511 | 1536 | 1549 | 1554 | 1549 | 1618 | 1648 |
| **12.5** | 1522 | 1545 | 1551 | 1555 | 1554 | 1552 | 1567 | 1592 | 1602 | 1760 |
| **15.0** | 1573 | 1578 | 1600 | 1596 | 1647 | 1629 | 1622 | 1647 | 1721 | 1803 |
| **17.5** | 1751 | 1755 | 1791 | 1751 | 1765 | 1825 | 1840 | 1789 | 1860 | 1891 |
| **20.0** | 1938 | 1969 | 2010 | 2000 | 2082 | 1997 | 2041 | 2080 | 2074 | 2038 |
| **22.5** | 2366 | 2407 | 2460 | 2452 | 2426 | 2421 | 2366 | 2377 | 2348 | 2351 |
| **25.0** | 3015 | 3087 | 2973 | 2918 | 2984 | 2870 | 2831 | 2754 | 2766 | 2624 |
| **27.5** | 3850 | 3938 | 3836 | 3695 | 3519 | 3538 | 3340 | 3254 | 3151 | 2956 |
| **30.0** | 4783 | 4867 | 4776 | 4437 | 4270 | 4076 | 3986 | 3803 | 3498 | 3403 |
| **32.5** | 5380 | 5391 | 5389 | 5372 | 5017 | 4750 | 4472 | 4391 | 3927 | 3668 |
| **35.0** | 5969 | 5895 | 5885 | 5963 | 5935 | 5451 | 5155 | 4895 | 4275 | 3935 |
| **37.5** | 6526 | 6470 | 6424 | 6546 | 6611 | 6341 | 5911 | 5444 | 4717 | 4151 |
| **40.0** | 7243 | 7122 | 7126 | 7222 | 7290 | 7165 | 6720 | 6008 | 5130 | 4285 |
| **42.5** | 8040 | 7894 | 7957 | 8113 | 8042 | 7834 | 7571 | 6708 | 5474 | 4503 |
| **45.0** | 9054 | 8954 | 9070 | 9215 | 9000 | 8490 | 8196 | 7531 | 5667 | 4718 |
| **47.5** | 10295 | 10336 | 10370 | 10595 | 10224 | 9282 | 8834 | 8152 | 6073 | 5015 |
| **50.0** | 11666 | 11714 | 11688 | 12038 | 11662 | 10349 | 9614 | 8698 | 6658 | 5495 |
| **52.5** | 13319 | 13419 | 13175 | 13403 | 13122 | 11819 | 10634 | 9462 | 7516 | 6076 |
| **55.0** | 15033 | 15217 | 15178 | 15297 | 14868 | 13315 | 12005 | 10504 | 8610 | 6547 |
| **57.5** | 14906 | 14924 | 15458 | 16790 | 17048 | 15255 | 13573 | 12121 | 9666 | 7334 |
| **60.0** | 13403 | 13426 | 14001 | 15937 | 18032 | 17543 | 16014 | 14013 | 11166 | 8567 |
| **62.5** | 9462 | 9938 | 11398 | 14056 | 16716 | 19116 | 18480 | 16116 | 12753 | 10011 |
| **65.0** | 3708 | 4078 | 5885 | 10545 | 14946 | 18439 | 19382 | 18456 | 14550 | 11428 |
| **67.5** | 1717 | 1769 | 2418 | 4656 | 11914 | 16703 | 18441 | 19213 | 15170 | 11465 |
| **70.0** | 1253 | 1293 | 1575 | 2512 | 5933 | 14243 | 16408 | 17626 | 15741 | 10691 |
| **72.5** | 954 | 981 | 1230 | 1773 | 3379 | 8414 | 12002 | 13905 | 14023 | 7981 |
| **75.0** | 717 | 750 | 985 | 1419 | 2165 | 3677 | 5799 | 8187 | 8371 | 4501 |
| **77.5** | 549 | 584 | 783 | 1176 | 1597 | 2146 | 2487 | 2804 | 3224 | 1421 |
| **80.0** | 418 | 470 | 638 | 961 | 1212 | 1423 | 1472 | 1424 | 1190 | 933 |
| **82.5** | 325 | 383 | 526 | 798 | 891 | 921 | 899 | 914 | 826 | 736 |
| **85.0** | 297 | 373 | 415 | 602 | 624 | 660 | 588 | 574 | 579 | 585 |
| **87.5** | 199 | 245 | 308 | 428 | 359 | 421 | 392 | 369 | 397 | 440 |
| **90.0** | 96 | 117 | 173 | 203 | 235 | 266 | 277 | 289 | 313 | 338 |
| **92.5** | 112 | 120 | 175 | 203 | 232 | 267 | 272 | 284 | 308 | 326 |
| **95.0** | 128 | 124 | 178 | 205 | 232 | 264 | 270 | 277 | 305 | 313 |
| **97.5** | 139 | 127 | 178 | 207 | 232 | 259 | 267 | 267 | 293 | 265 |
| **100.0** | 147 | 131 | 177 | 208 | 231 | 255 | 262 | 256 | 269 | 209 |
| **102.5** | 152 | 135 | 175 | 209 | 231 | 251 | 255 | 246 | 234 | 168 |
| **105.0** | 155 | 141 | 172 | 210 | 230 | 244 | 244 | 225 | 200 | 155 |
| **107.5** | 156 | 147 | 168 | 210 | 228 | 232 | 224 | 197 | 168 | 145 |
| **110.0** | 157 | 151 | 164 | 208 | 223 | 212 | 198 | 171 | 145 | 139 |
| **112.5** | 156 | 154 | 160 | 205 | 213 | 189 | 173 | 152 | 130 | 133 |
| **115.0** | 156 | 155 | 157 | 198 | 197 | 169 | 155 | 139 | 121 | 129 |
| **117.5** | 156 | 156 | 155 | 185 | 178 | 154 | 143 | 132 | 116 | 126 |
| **120.0** | 156 | 155 | 149 | 167 | 162 | 144 | 135 | 126 | 114 | 123 |
| **122.5** | 154 | 152 | 140 | 151 | 151 | 138 | 131 | 123 | 113 | 119 |
| **125.0** | 147 | 145 | 132 | 137 | 142 | 133 | 128 | 122 | 113 | 117 |
| **127.5** | 139 | 137 | 127 | 128 | 135 | 131 | 128 | 123 | 115 | 118 |
| **130.0** | 132 | 130 | 124 | 122 | 131 | 131 | 129 | 124 | 117 | 120 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **132.5** | 128 | 127 | 122 | 118 | 128 | 128 | 125 | 120 | 118 | 124 |
| **135.0** | 126 | 126 | 122 | 118 | 119 | 115 | 112 | 112 | 119 | 127 |
| **137.5** | 125 | 124 | 118 | 107 | 100 | 97 | 96 | 101 | 111 | 126 |
| **140.0** | 108 | 108 | 101 | 88 | 79 | 76 | 78 | 84 | 96 | 111 |
| **142.5** | 89 | 87 | 82 | 69 | 55 | 56 | 60 | 64 | 78 | 93 |
| **145.0** | 68 | 66 | 60 | 48 | 38 | 37 | 41 | 45 | 59 | 73 |
| **147.5** | 45 | 43 | 39 | 33 | 25 | 17 | 21 | 27 | 39 | 49 |
| **150.0** | 33 | 31 | 28 | 20 | 10 | 8 | 10 | 12 | 21 | 30 |
| **152.5** | 16 | 15 | 12 | 6 | 5 | 4 | 6 | 7 | 11 | 14 |
| **155.0** | 6 | 6 | 4 | 3 | 3 | 3 | 4 | 4 | 6 | 8 |
| **157.5** | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 |
| **160.0** | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| **162.5** | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| **165.0** | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| **167.5** | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| **170.0** | 1 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| **172.5** | 1 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| **175.0** | 1 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| **177.5** | 1 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| **180.0** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| **Vert. Angles** | **Horizontal Angles** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **85** | **90** | **95** | **105** | **115** | **125** | **135** | **145** | **155** | **165** |
| **0.0** | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 | 1562 |
| **2.5** | 1558 | 1547 | 1544 | 1551 | 1546 | 1552 | 1552 | 1560 | 1572 | 1584 |
| **5.0** | 1571 | 1550 | 1553 | 1597 | 1663 | 1679 | 1675 | 1680 | 1666 | 1663 |
| **7.5** | 1609 | 1581 | 1587 | 1667 | 1703 | 1702 | 1675 | 1640 | 1594 | 1580 |
| **10.0** | 1641 | 1607 | 1620 | 1715 | 1738 | 1675 | 1666 | 1667 | 1688 | 1646 |
| **12.5** | 1751 | 1706 | 1750 | 1845 | 1763 | 1713 | 1704 | 1752 | 1723 | 1802 |
| **15.0** | 1847 | 1772 | 1820 | 1911 | 1846 | 1869 | 1824 | 1932 | 1920 | 1977 |
| **17.5** | 1955 | 1893 | 1967 | 2015 | 1935 | 1952 | 2087 | 2053 | 2042 | 2157 |
| **20.0** | 2136 | 2043 | 2105 | 2088 | 2076 | 2132 | 2128 | 2226 | 2236 | 2288 |
| **22.5** | 2413 | 2306 | 2305 | 2237 | 2167 | 2258 | 2276 | 2390 | 2363 | 2504 |
| **25.0** | 2623 | 2565 | 2475 | 2345 | 2318 | 2341 | 2413 | 2486 | 2546 | 2614 |
| **27.5** | 2941 | 2743 | 2732 | 2463 | 2346 | 2466 | 2532 | 2645 | 2660 | 2806 |
| **30.0** | 3178 | 2949 | 2915 | 2597 | 2432 | 2572 | 2644 | 2712 | 2791 | 2935 |
| **32.5** | 3333 | 3083 | 3020 | 2714 | 2479 | 2608 | 2650 | 2829 | 2996 | 3199 |
| **35.0** | 3504 | 3154 | 3046 | 2704 | 2471 | 2606 | 2705 | 2947 | 3140 | 3378 |
| **37.5** | 3580 | 3248 | 3078 | 2637 | 2418 | 2548 | 2757 | 2994 | 3200 | 3470 |
| **40.0** | 3654 | 3333 | 3048 | 2542 | 2367 | 2471 | 2772 | 2953 | 3202 | 3579 |
| **42.5** | 3834 | 3356 | 3048 | 2441 | 2255 | 2449 | 2693 | 2845 | 3233 | 3759 |
| **45.0** | 3925 | 3436 | 3068 | 2387 | 2129 | 2437 | 2588 | 2741 | 3447 | 3740 |
| **47.5** | 4122 | 3578 | 3067 | 2330 | 2027 | 2344 | 2493 | 2678 | 3762 | 3609 |
| **50.0** | 4359 | 3841 | 3146 | 2286 | 1937 | 2271 | 2427 | 2627 | 3840 | 3527 |
| **52.5** | 4792 | 4167 | 3357 | 2310 | 1882 | 2175 | 2343 | 2609 | 3744 | 3382 |
| **55.0** | 5277 | 4611 | 3732 | 2346 | 1845 | 2072 | 2248 | 2538 | 3602 | 3207 |
| **57.5** | 6052 | 5211 | 4215 | 2430 | 1829 | 1975 | 2130 | 2416 | 3418 | 3042 |
| **60.0** | 7112 | 6033 | 4912 | 2540 | 1790 | 1837 | 2009 | 2261 | 3128 | 2858 |
| **62.5** | 7831 | 6620 | 5281 | 2632 | 1710 | 1673 | 1874 | 2083 | 2712 | 2672 |
| **65.0** | 8216 | 6701 | 5038 | 2576 | 1578 | 1502 | 1746 | 1917 | 2262 | 2519 |
| **67.5** | 7532 | 5787 | 4003 | 2226 | 1434 | 1320 | 1575 | 1740 | 1903 | 2348 |
| **70.0** | 6280 | 4431 | 2605 | 1672 | 1222 | 1140 | 1396 | 1538 | 1648 | 2128 |
| **72.5** | 4103 | 2769 | 1435 | 1158 | 986 | 965 | 1179 | 1315 | 1511 | 1779 |
| **75.0** | 1553 | 1140 | 922 | 833 | 803 | 801 | 926 | 1064 | 1180 | 1226 |
| **77.5** | 893 | 802 | 618 | 716 | 700 | 686 | 711 | 779 | 895 | 997 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **80.0** | 664 | 624 | 487 | 639 | 626 | 600 | 636 | 685 | 755 | 801 |
| **82.5** | 555 | 501 | 415 | 563 | 538 | 508 | 561 | 604 | 658 | 668 |
| **85.0** | 487 | 363 | 376 | 501 | 469 | 453 | 469 | 478 | 558 | 559 |
| **87.5** | 404 | 220 | 370 | 435 | 411 | 401 | 407 | 388 | 388 | 420 |
| **90.0** | 288 | 175 | 345 | 381 | 364 | 340 | 362 | 347 | 329 | 319 |
| **92.5** | 216 | 246 | 311 | 369 | 352 | 326 | 344 | 336 | 318 | 296 |
| **95.0** | 210 | 305 | 289 | 359 | 343 | 309 | 333 | 325 | 313 | 292 |
| **97.5** | 227 | 308 | 284 | 332 | 323 | 284 | 318 | 311 | 303 | 280 |
| **100.0** | 240 | 286 | 276 | 291 | 303 | 266 | 303 | 300 | 294 | 266 |
| **102.5** | 229 | 260 | 256 | 256 | 280 | 255 | 290 | 290 | 286 | 251 |
| **105.0** | 210 | 232 | 234 | 229 | 255 | 247 | 277 | 280 | 277 | 233 |
| **107.5** | 189 | 206 | 212 | 209 | 231 | 236 | 266 | 272 | 267 | 213 |
| **110.0** | 171 | 185 | 193 | 194 | 210 | 224 | 254 | 263 | 255 | 193 |
| **112.5** | 157 | 170 | 177 | 181 | 193 | 213 | 242 | 255 | 245 | 176 |
| **115.0** | 147 | 157 | 164 | 173 | 181 | 204 | 229 | 245 | 231 | 161 |
| **117.5** | 139 | 149 | 155 | 166 | 173 | 197 | 220 | 233 | 215 | 149 |
| **120.0** | 133 | 141 | 148 | 160 | 168 | 191 | 211 | 220 | 197 | 140 |
| **122.5** | 130 | 135 | 141 | 155 | 165 | 186 | 203 | 207 | 177 | 134 |
| **125.0** | 125 | 131 | 136 | 150 | 163 | 181 | 195 | 192 | 156 | 131 |
| **127.5** | 124 | 129 | 134 | 148 | 162 | 180 | 186 | 177 | 139 | 126 |
| **130.0** | 125 | 129 | 135 | 148 | 161 | 177 | 179 | 161 | 128 | 123 |
| **132.5** | 128 | 132 | 137 | 149 | 157 | 169 | 169 | 147 | 121 | 120 |
| **135.0** | 132 | 135 | 140 | 149 | 153 | 153 | 152 | 135 | 117 | 118 |
| **137.5** | 134 | 137 | 141 | 144 | 140 | 132 | 125 | 114 | 115 | 118 |
| **140.0** | 125 | 130 | 131 | 128 | 120 | 108 | 95 | 90 | 99 | 108 |
| **142.5** | 107 | 111 | 110 | 106 | 96 | 82 | 66 | 67 | 78 | 87 |
| **145.0** | 84 | 86 | 87 | 82 | 70 | 57 | 45 | 44 | 57 | 66 |
| **147.5** | 57 | 59 | 60 | 57 | 47 | 34 | 28 | 31 | 36 | 44 |
| **150.0** | 35 | 36 | 36 | 35 | 26 | 16 | 12 | 17 | 24 | 27 |
| **152.5** | 17 | 18 | 18 | 17 | 13 | 10 | 7 | 6 | 10 | 16 |
| **155.0** | 10 | 11 | 11 | 10 | 9 | 7 | 5 | 3 | 2 | 2 |
| **157.5** | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 2 | 0 | 0 |
| **160.0** | 5 | 6 | 6 | 6 | 6 | 6 | 4 | 2 | 0 | 0 |
| **162.5** | 5 | 5 | 6 | 6 | 6 | 5 | 4 | 1 | 0 | 0 |
| **165.0** | 5 | 5 | 5 | 6 | 6 | 5 | 3 | 1 | 0 | 0 |
| **167.5** | 5 | 5 | 5 | 6 | 6 | 5 | 3 | 1 | 0 | 0 |
| **170.0** | 5 | 5 | 5 | 6 | 5 | 5 | 3 | 1 | 0 | 0 |
| **172.5** | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | 0 | 0 |
| **175.0** | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | 0 | 0 |
| **177.5** | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | 0 | 0 |
| **180.0** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| **Vert. Angles** | **Horizontal Angles** | |
|---|---|---|
| | **175** | **180** |
| **0.0** | 1562 | 1562 |
| **2.5** | 1581 | 1600 |
| **5.0** | 1629 | 1603 |
| **7.5** | 1580 | 1608 |
| **10.0** | 1672 | 1648 |
| **12.5** | 1828 | 1841 |
| **15.0** | 1968 | 1880 |
| **17.5** | 2123 | 2202 |
| **20.0** | 2289 | 2208 |
| **22.5** | 2498 | 2481 |
| **25.0** | 2629 | 2578 |

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**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **27.5** | 2843 | 2869 |
| **30.0** | 3051 | 3005 |
| **32.5** | 3253 | 3230 |
| **35.0** | 3432 | 3431 |
| **37.5** | 3480 | 3500 |
| **40.0** | 3368 | 3351 |
| **42.5** | 3224 | 3184 |
| **45.0** | 2936 | 2902 |
| **47.5** | 2809 | 2757 |
| **50.0** | 2687 | 2626 |
| **52.5** | 2572 | 2504 |
| **55.0** | 2470 | 2383 |
| **57.5** | 2359 | 2249 |
| **60.0** | 2258 | 2092 |
| **62.5** | 2190 | 1962 |
| **65.0** | 2171 | 1875 |
| **67.5** | 2132 | 1800 |
| **70.0** | 2054 | 1784 |
| **72.5** | 1693 | 1667 |
| **75.0** | 1611 | 1745 |
| **77.5** | 1450 | 1557 |
| **80.0** | 1141 | 1191 |
| **82.5** | 821 | 843 |
| **85.0** | 785 | 778 |
| **87.5** | 414 | 343 |
| **90.0** | 229 | 164 |
| **92.5** | 180 | 130 |
| **95.0** | 180 | 153 |
| **97.5** | 177 | 172 |
| **100.0** | 173 | 187 |
| **102.5** | 171 | 194 |
| **105.0** | 170 | 195 |
| **107.5** | 168 | 190 |
| **110.0** | 166 | 183 |
| **112.5** | 162 | 175 |
| **115.0** | 158 | 166 |
| **117.5** | 155 | 157 |
| **120.0** | 150 | 152 |
| **122.5** | 145 | 147 |
| **125.0** | 140 | 142 |
| **127.5** | 135 | 136 |
| **130.0** | 130 | 131 |
| **132.5** | 124 | 125 |
| **135.0** | 121 | 121 |
| **137.5** | 119 | 119 |
| **140.0** | 112 | 112 |
| **142.5** | 93 | 93 |
| **145.0** | 71 | 72 |
| **147.5** | 50 | 50 |
| **150.0** | 30 | 30 |
| **152.5** | 18 | 19 |
| **155.0** | 2 | 2 |
| **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** | 3 | 3 |

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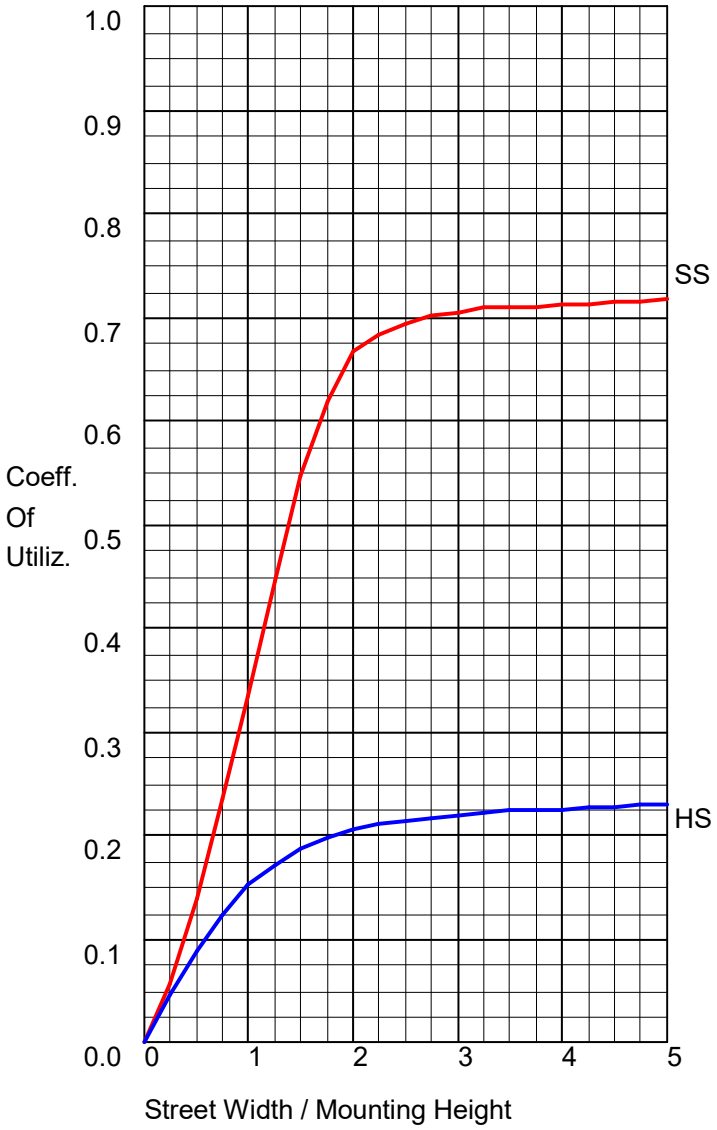
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-3-30-70CRI.IES**

**COEFFICIENTS OF UTILIZATION**




**FLUX DISTRIBUTION**

| | Lumens | Percent Of Luminaire |
|---|---|---|
| Downward Street Side | 18781.5 | 72.4 |
| Downward House Side | 6169.7 | 23.8 |
| Downward Total | 24951.2 | 96.2 |
| Upward Street Side | 437.6 | 1.7 |
| Upward House Side | 540.5 | 2.1 |
| Upward Total | 978.1 | 3.8 |
| Total Flux | 25929.3 | 100.0 |

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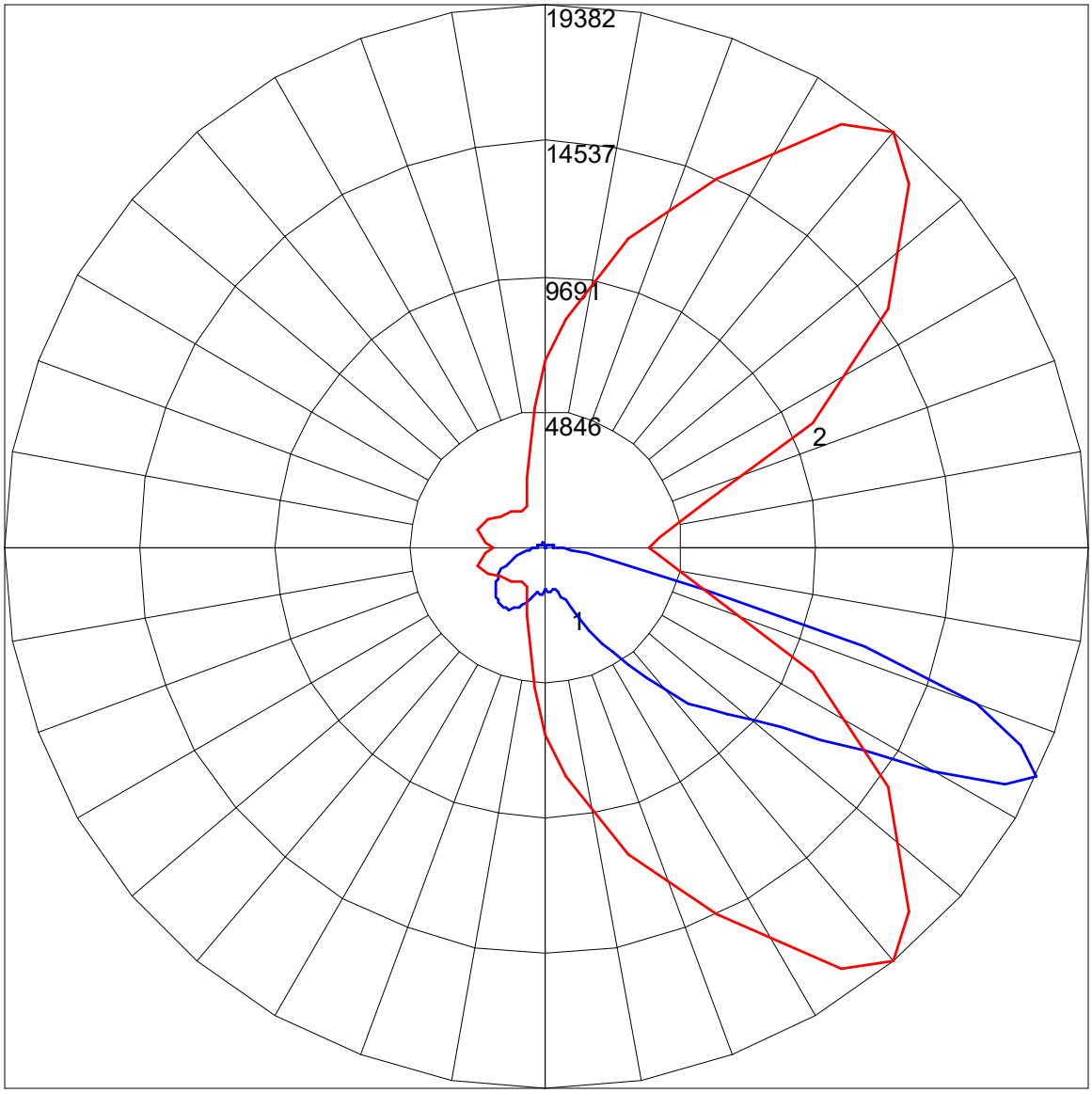
**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-3-30-70CRI.IES**

**POLAR GRAPH**




Maximum Candela = 19382  Located At Horizontal Angle = 50, Vertical Angle = 65
# 1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

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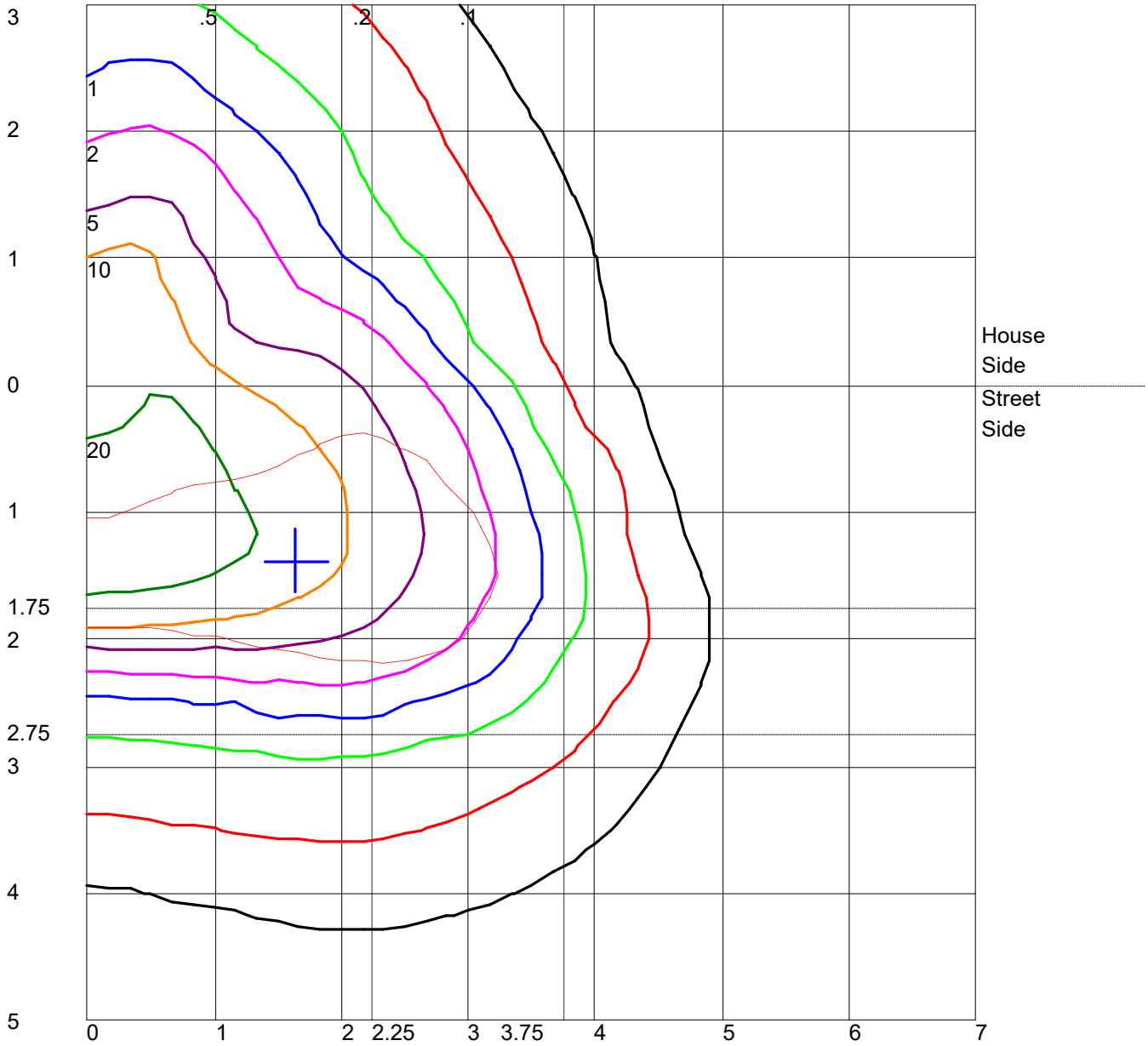
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-3-30-70CRI.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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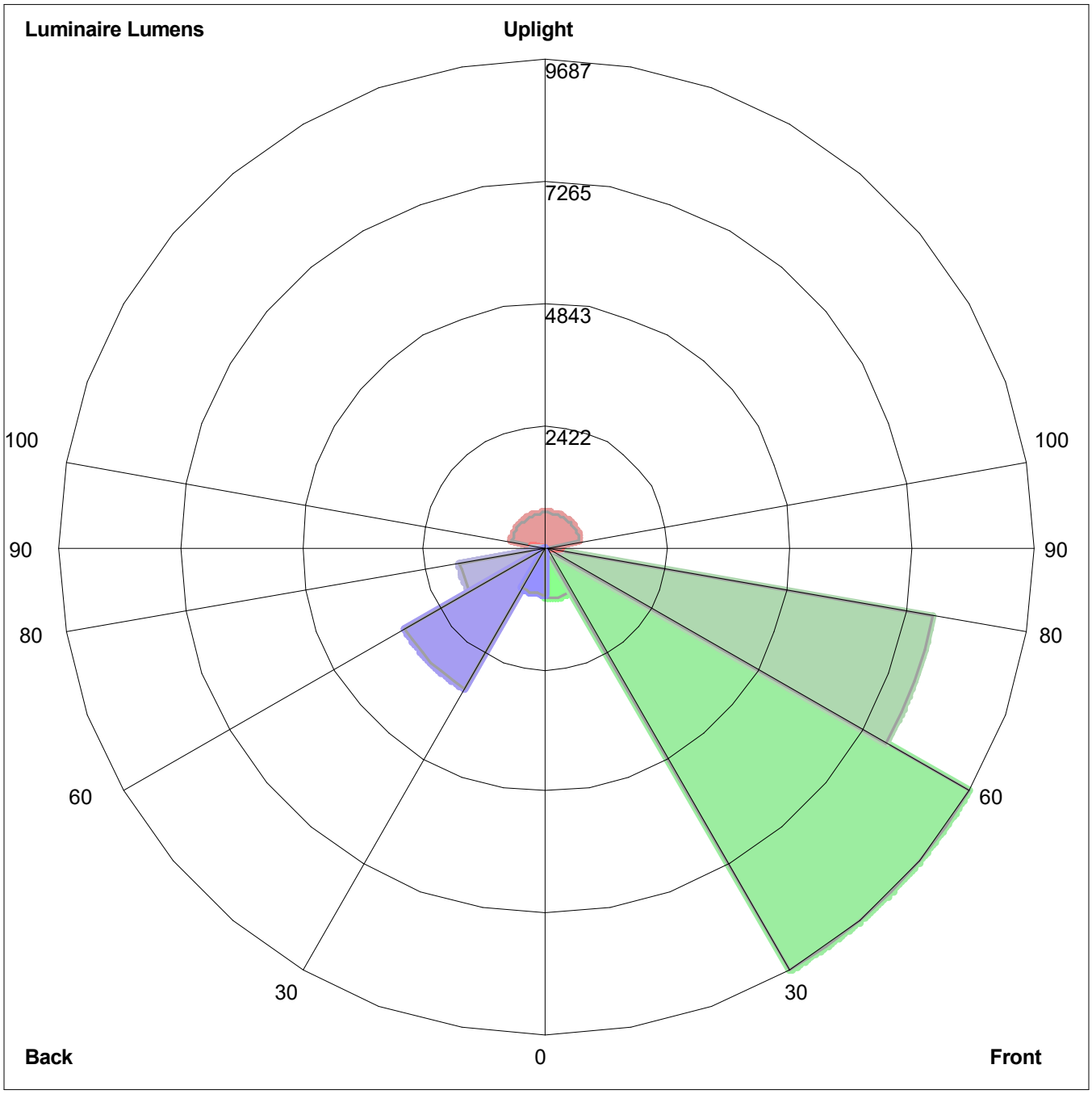
**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**




Luminaire Lumens:
Front: Low=1012.5, Medium=9686.7, High=7776.5, Very High=305.8
Back: Low=926.1, Medium=3223.6, High=1743.4, Very High=276.6
Uplight: Low=292.8, High=685.3

BUG Rating : B3-U4-G4

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