**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-10L-SIL-FT-30-70CRI-IH.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] LED-12642
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/29/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-10L-SIL-FT-30-70CRI-IH
[_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] 3000

**CHARACTERISTICS**

| | |
|---|---|
| IES Classification | Type III |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 7505 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 112 |
| Total Luminaire Watts | 67 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.05 |
| Maximum Candela | 4977 |
| Maximum Candela Angle | 45H 67.5V |
| Maximum Candela (<90 Degrees Vertical) | 4977 |
| Maximum Candela Angle (<90 Degrees Vertical) | 45H 67.5V |
| Maximum Candela At 90 Degrees Vertical | 108 (1.4% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 578 (7.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|---|---|---|---|
| FL - Front-Low (0-30) | 476.6 | N.A. | 6.4 |
| FM - Front-Medium (30-60) | 2963.9 | N.A. | 39.5 |
| FH - Front-High (60-80) | 2421.0 | N.A. | 32.3 |
| FVH - Front-Very High (80-90) | 93.8 | N.A. | 1.3 |
| BL - Back-Low (0-30) | 309.0 | N.A. | 4.1 |
| BM - Back-Medium (30-60) | 601.2 | N.A. | 8.0 |
| BH - Back-High (60-80) | 245.0 | N.A. | 3.3 |
| BVH - Back-Very High (80-90) | 54.0 | N.A. | 0.7 |
| UL - Uplight-Low (90-100) | 90.3 | N.A. | 1.2 |
| UH - Uplight-High (100-180) | 250.3 | N.A. | 3.3 |
| Total | 7505.1 | N.A. | 100.0 |
| BUG Rating | B1-U3-G2 | | |

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**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-10L-SIL-FT-30-70CRI-IH.IES**

**CANDELA TABULATION**

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 42.5 | 45.0 | 55.0 | 65.0 | 75.0 |
| 0.0 | 807 | 807 | 807 | 807 | 807 | 807 | 807 | 807 | 807 | 807 |
| 2.5 | 843 | 846 | 848 | 845 | 847 | 843 | 844 | 837 | 832 | 830 |
| 5.0 | 779 | 768 | 782 | 825 | 860 | 870 | 877 | 873 | 866 | 850 |
| 7.5 | 794 | 795 | 787 | 799 | 807 | 789 | 787 | 820 | 870 | 860 |
| 10.0 | 791 | 782 | 801 | 809 | 812 | 814 | 817 | 830 | 839 | 885 |
| 12.5 | 822 | 851 | 868 | 854 | 854 | 845 | 835 | 846 | 853 | 953 |
| 15.0 | 880 | 879 | 910 | 885 | 925 | 913 | 917 | 914 | 932 | 956 |
| 17.5 | 985 | 975 | 999 | 994 | 962 | 976 | 1001 | 982 | 1007 | 1019 |
| 20.0 | 1085 | 1101 | 1085 | 1071 | 1107 | 1047 | 1047 | 1089 | 1089 | 1074 |
| 22.5 | 1196 | 1191 | 1225 | 1206 | 1171 | 1167 | 1172 | 1147 | 1151 | 1167 |
| 25.0 | 1422 | 1397 | 1361 | 1297 | 1323 | 1277 | 1245 | 1226 | 1239 | 1201 |
| 27.5 | 1524 | 1552 | 1489 | 1476 | 1429 | 1420 | 1413 | 1325 | 1275 | 1286 |
| 30.0 | 1761 | 1774 | 1754 | 1616 | 1579 | 1552 | 1516 | 1426 | 1340 | 1336 |
| 32.5 | 1912 | 1912 | 1878 | 1830 | 1769 | 1711 | 1672 | 1552 | 1438 | 1392 |
| 35.0 | 2059 | 2046 | 2008 | 1961 | 1959 | 1903 | 1860 | 1664 | 1509 | 1422 |
| 37.5 | 2229 | 2192 | 2146 | 2111 | 2090 | 2105 | 2080 | 1817 | 1593 | 1444 |
| 40.0 | 2416 | 2361 | 2317 | 2285 | 2245 | 2274 | 2263 | 1986 | 1711 | 1459 |
| 42.5 | 2609 | 2574 | 2512 | 2487 | 2442 | 2467 | 2436 | 2229 | 1794 | 1480 |
| 45.0 | 2840 | 2812 | 2753 | 2727 | 2672 | 2672 | 2651 | 2455 | 1937 | 1622 |
| 47.5 | 3158 | 3107 | 3054 | 3019 | 2951 | 2912 | 2913 | 2691 | 2105 | 1766 |
| 50.0 | 3453 | 3425 | 3397 | 3377 | 3282 | 3237 | 3215 | 2969 | 2363 | 1915 |
| 52.5 | 3623 | 3626 | 3641 | 3723 | 3648 | 3576 | 3553 | 3332 | 2684 | 2116 |
| 55.0 | 3682 | 3705 | 3751 | 3942 | 3991 | 3943 | 3916 | 3688 | 3044 | 2284 |
| 57.5 | 3685 | 3718 | 3807 | 4071 | 4246 | 4317 | 4238 | 4030 | 3366 | 2386 |
| 60.0 | 3655 | 3698 | 3832 | 4164 | 4411 | 4563 | 4524 | 4355 | 3585 | 2542 |
| 62.5 | 3501 | 3559 | 3772 | 4236 | 4541 | 4693 | 4762 | 4596 | 3687 | 2842 |
| 65.0 | 2810 | 2882 | 3266 | 4073 | 4690 | 4863 | 4935 | 4549 | 3699 | 2900 |
| 67.5 | 1889 | 1906 | 2349 | 3333 | 4563 | 4961 | 4977 | 4313 | 3650 | 2804 |
| 70.0 | 1007 | 1116 | 1499 | 2302 | 3621 | 4430 | 4511 | 4019 | 3339 | 2399 |
| 72.5 | 531 | 590 | 1007 | 1475 | 2274 | 2943 | 3212 | 3529 | 2627 | 1569 |
| 75.0 | 381 | 408 | 781 | 1143 | 1528 | 1848 | 1961 | 2221 | 1383 | 746 |
| 77.5 | 295 | 314 | 454 | 780 | 1119 | 1074 | 1097 | 1181 | 772 | 457 |
| 80.0 | 223 | 241 | 325 | 418 | 552 | 570 | 578 | 577 | 407 | 325 |
| 82.5 | 175 | 190 | 253 | 314 | 288 | 230 | 214 | 181 | 175 | 235 |
| 85.0 | 139 | 148 | 198 | 189 | 124 | 107 | 104 | 108 | 120 | 143 |
| 87.5 | 75 | 80 | 94 | 79 | 74 | 80 | 82 | 87 | 95 | 108 |
| 90.0 | 30 | 36 | 50 | 59 | 68 | 75 | 77 | 83 | 88 | 96 |
| 92.5 | 34 | 37 | 51 | 60 | 69 | 77 | 79 | 84 | 90 | 97 |
| 95.0 | 38 | 39 | 52 | 61 | 70 | 77 | 80 | 84 | 91 | 95 |
| 97.5 | 42 | 41 | 54 | 63 | 71 | 77 | 80 | 83 | 89 | 82 |
| 100.0 | 46 | 44 | 55 | 64 | 72 | 78 | 80 | 81 | 84 | 61 |
| 102.5 | 49 | 46 | 56 | 66 | 73 | 78 | 79 | 78 | 73 | 53 |
| 105.0 | 52 | 49 | 57 | 67 | 73 | 77 | 78 | 72 | 63 | 48 |
| 107.5 | 53 | 51 | 57 | 69 | 74 | 76 | 75 | 64 | 55 | 48 |
| 110.0 | 55 | 54 | 58 | 69 | 74 | 72 | 70 | 57 | 48 | 48 |
| 112.5 | 57 | 56 | 59 | 69 | 71 | 66 | 63 | 52 | 45 | 47 |
| 115.0 | 59 | 58 | 59 | 69 | 67 | 60 | 59 | 50 | 43 | 46 |
| 117.5 | 59 | 59 | 59 | 65 | 62 | 57 | 55 | 48 | 42 | 46 |
| 120.0 | 60 | 60 | 58 | 61 | 59 | 54 | 53 | 47 | 42 | 45 |
| 122.5 | 60 | 59 | 56 | 58 | 56 | 53 | 51 | 46 | 42 | 44 |
| 125.0 | 59 | 58 | 54 | 54 | 54 | 52 | 50 | 46 | 43 | 44 |
| 127.5 | 57 | 56 | 53 | 53 | 53 | 51 | 50 | 47 | 44 | 44 |
| 130.0 | 55 | 55 | 53 | 52 | 53 | 52 | 51 | 48 | 44 | 46 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **132.5** | 54 | 54 | 52 | 52 | 53 | 52 | 50 | 46 | 45 | 47 |
| **135.0** | 54 | 54 | 53 | 52 | 50 | 47 | 46 | 43 | 45 | 48 |
| **137.5** | 54 | 54 | 51 | 47 | 43 | 40 | 39 | 38 | 42 | 47 |
| **140.0** | 48 | 48 | 44 | 39 | 34 | 32 | 31 | 33 | 36 | 41 |
| **142.5** | 39 | 39 | 36 | 31 | 25 | 23 | 23 | 25 | 29 | 35 |
| **145.0** | 30 | 29 | 27 | 21 | 17 | 16 | 16 | 17 | 22 | 27 |
| **147.5** | 19 | 19 | 18 | 14 | 12 | 9 | 9 | 11 | 14 | 19 |
| **150.0** | 14 | 13 | 12 | 9 | 4 | 3 | 3 | 5 | 8 | 12 |
| **152.5** | 7 | 7 | 4 | 2 | 2 | 2 | 2 | 3 | 4 | 6 |
| **155.0** | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 |
| **157.5** | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **160.0** | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **162.5** | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **165.0** | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **167.5** | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **170.0** | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **172.5** | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **175.0** | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| **177.5** | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| **180.0** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| **Vert. Angles** | **Horizontal Angles** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **85.0** | **90.0** | **95.0** | **105.0** | **115.0** | **125.0** | **135.0** | **145.0** | **155.0** | **165.0** |
| **0.0** | 807 | 807 | 807 | 807 | 807 | 807 | 807 | 807 | 807 | 807 |
| **2.5** | 825 | 817 | 813 | 795 | 789 | 787 | 783 | 782 | 785 | 786 |
| **5.0** | 845 | 818 | 806 | 797 | 835 | 853 | 848 | 843 | 842 | 832 |
| **7.5** | 854 | 839 | 814 | 834 | 854 | 865 | 852 | 810 | 766 | 756 |
| **10.0** | 890 | 865 | 830 | 868 | 855 | 832 | 781 | 779 | 750 | 749 |
| **12.5** | 967 | 936 | 889 | 929 | 873 | 802 | 768 | 747 | 731 | 730 |
| **15.0** | 1021 | 982 | 933 | 979 | 868 | 818 | 759 | 752 | 726 | 694 |
| **17.5** | 1083 | 1050 | 1022 | 1028 | 914 | 830 | 794 | 708 | 633 | 593 |
| **20.0** | 1140 | 1112 | 1095 | 1044 | 941 | 822 | 724 | 617 | 553 | 500 |
| **22.5** | 1233 | 1189 | 1185 | 1086 | 934 | 812 | 642 | 543 | 452 | 415 |
| **25.0** | 1266 | 1259 | 1231 | 1114 | 922 | 738 | 564 | 450 | 397 | 369 |
| **27.5** | 1340 | 1304 | 1293 | 1151 | 888 | 651 | 483 | 408 | 354 | 334 |
| **30.0** | 1374 | 1333 | 1334 | 1194 | 830 | 574 | 441 | 367 | 333 | 320 |
| **32.5** | 1384 | 1336 | 1331 | 1178 | 752 | 514 | 404 | 344 | 317 | 332 |
| **35.0** | 1385 | 1331 | 1346 | 1120 | 659 | 472 | 377 | 328 | 328 | 345 |
| **37.5** | 1401 | 1339 | 1356 | 1062 | 576 | 436 | 356 | 332 | 332 | 373 |
| **40.0** | 1425 | 1370 | 1352 | 992 | 523 | 404 | 349 | 326 | 348 | 422 |
| **42.5** | 1416 | 1362 | 1360 | 914 | 491 | 380 | 348 | 323 | 373 | 528 |
| **45.0** | 1475 | 1362 | 1387 | 851 | 454 | 381 | 345 | 315 | 399 | 540 |
| **47.5** | 1502 | 1417 | 1356 | 803 | 417 | 394 | 334 | 305 | 412 | 342 |
| **50.0** | 1570 | 1476 | 1356 | 792 | 399 | 390 | 323 | 292 | 352 | 239 |
| **52.5** | 1679 | 1509 | 1390 | 782 | 399 | 377 | 306 | 279 | 282 | 202 |
| **55.0** | 1800 | 1594 | 1415 | 800 | 411 | 347 | 282 | 258 | 229 | 182 |
| **57.5** | 1841 | 1576 | 1394 | 752 | 385 | 301 | 246 | 232 | 199 | 171 |
| **60.0** | 1912 | 1643 | 1400 | 743 | 323 | 242 | 207 | 200 | 178 | 159 |
| **62.5** | 2007 | 1653 | 1383 | 727 | 239 | 191 | 176 | 174 | 160 | 146 |
| **65.0** | 1972 | 1621 | 1292 | 618 | 183 | 165 | 159 | 157 | 145 | 133 |
| **67.5** | 1822 | 1466 | 1127 | 413 | 161 | 153 | 149 | 145 | 129 | 122 |
| **70.0** | 1473 | 1095 | 775 | 255 | 151 | 144 | 139 | 129 | 118 | 135 |
| **72.5** | 857 | 631 | 449 | 166 | 140 | 136 | 128 | 120 | 138 | 168 |
| **75.0** | 418 | 374 | 281 | 144 | 132 | 125 | 119 | 125 | 123 | 115 |
| **77.5** | 279 | 255 | 161 | 136 | 123 | 114 | 113 | 108 | 104 | 105 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **80.0** | 219 | 191 | 127 | 130 | 112 | 109 | 112 | 103 | 98 | 96 |
| **82.5** | 177 | 148 | 102 | 121 | 108 | 107 | 107 | 102 | 97 | 94 |
| **85.0** | 145 | 98 | 96 | 112 | 106 | 99 | 107 | 102 | 98 | 93 |
| **87.5** | 119 | 48 | 105 | 108 | 103 | 98 | 107 | 103 | 98 | 93 |
| **90.0** | 82 | 43 | 101 | 108 | 104 | 98 | 108 | 104 | 100 | 93 |
| **92.5** | 55 | 77 | 94 | 110 | 107 | 100 | 110 | 107 | 102 | 96 |
| **95.0** | 54 | 95 | 89 | 108 | 107 | 96 | 108 | 107 | 104 | 98 |
| **97.5** | 71 | 94 | 86 | 102 | 101 | 87 | 103 | 103 | 102 | 96 |
| **100.0** | 75 | 88 | 84 | 91 | 95 | 84 | 99 | 100 | 100 | 93 |
| **102.5** | 72 | 82 | 80 | 83 | 89 | 83 | 95 | 97 | 98 | 88 |
| **105.0** | 67 | 75 | 74 | 75 | 84 | 82 | 91 | 94 | 96 | 84 |
| **107.5** | 62 | 68 | 69 | 69 | 77 | 79 | 89 | 93 | 94 | 78 |
| **110.0** | 59 | 63 | 64 | 65 | 72 | 77 | 87 | 91 | 91 | 72 |
| **112.5** | 55 | 60 | 60 | 62 | 67 | 75 | 85 | 90 | 88 | 66 |
| **115.0** | 53 | 57 | 58 | 60 | 64 | 73 | 83 | 89 | 85 | 62 |
| **117.5** | 50 | 54 | 56 | 60 | 62 | 71 | 81 | 86 | 82 | 59 |
| **120.0** | 49 | 52 | 54 | 59 | 60 | 70 | 79 | 83 | 76 | 58 |
| **122.5** | 48 | 50 | 52 | 57 | 60 | 69 | 76 | 79 | 70 | 57 |
| **125.0** | 46 | 48 | 51 | 56 | 60 | 68 | 74 | 75 | 64 | 56 |
| **127.5** | 46 | 48 | 50 | 56 | 60 | 67 | 72 | 70 | 59 | 55 |
| **130.0** | 47 | 49 | 51 | 56 | 60 | 67 | 69 | 66 | 56 | 55 |
| **132.5** | 48 | 50 | 52 | 57 | 59 | 64 | 66 | 61 | 53 | 54 |
| **135.0** | 50 | 51 | 53 | 57 | 58 | 59 | 60 | 58 | 52 | 54 |
| **137.5** | 51 | 52 | 54 | 55 | 54 | 51 | 51 | 50 | 52 | 54 |
| **140.0** | 47 | 48 | 49 | 49 | 46 | 42 | 38 | 39 | 45 | 50 |
| **142.5** | 39 | 41 | 41 | 39 | 36 | 32 | 28 | 30 | 36 | 41 |
| **145.0** | 31 | 32 | 32 | 31 | 27 | 23 | 19 | 21 | 27 | 32 |
| **147.5** | 21 | 22 | 22 | 21 | 18 | 14 | 12 | 15 | 18 | 22 |
| **150.0** | 12 | 13 | 13 | 12 | 11 | 7 | 7 | 10 | 12 | 14 |
| **152.5** | 7 | 8 | 7 | 7 | 5 | 4 | 4 | 4 | 8 | 10 |
| **155.0** | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 4 |
| **157.5** | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 |
| **160.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| **162.5** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| **165.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| **167.5** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 |
| **170.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 |
| **172.5** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 |
| **175.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 |
| **177.5** | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| **180.0** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| **Vert. Angles** | **Horizontal Angles** | |
|---|---|---|
| | **175.0** | **180.0** |
| **0.0** | 807 | 807 |
| **2.5** | 790 | 792 |
| **5.0** | 830 | 839 |
| **7.5** | 746 | 746 |
| **10.0** | 742 | 758 |
| **12.5** | 724 | 719 |
| **15.0** | 670 | 687 |
| **17.5** | 578 | 574 |
| **20.0** | 474 | 472 |
| **22.5** | 397 | 392 |
| **25.0** | 351 | 349 |

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**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **27.5** | 332 | 332 |
| **30.0** | 323 | 323 |
| **32.5** | 342 | 344 |
| **35.0** | 365 | 365 |
| **37.5** | 401 | 404 |
| **40.0** | 462 | 471 |
| **42.5** | 571 | 547 |
| **45.0** | 337 | 322 |
| **47.5** | 245 | 243 |
| **50.0** | 209 | 208 |
| **52.5** | 189 | 189 |
| **55.0** | 175 | 177 |
| **57.5** | 162 | 163 |
| **60.0** | 148 | 149 |
| **62.5** | 135 | 136 |
| **65.0** | 124 | 127 |
| **67.5** | 116 | 118 |
| **70.0** | 147 | 148 |
| **72.5** | 166 | 141 |
| **75.0** | 103 | 95 |
| **77.5** | 92 | 78 |
| **80.0** | 80 | 59 |
| **82.5** | 73 | 47 |
| **85.0** | 66 | 40 |
| **87.5** | 64 | 41 |
| **90.0** | 60 | 40 |
| **92.5** | 60 | 48 |
| **95.0** | 61 | 58 |
| **97.5** | 60 | 64 |
| **100.0** | 60 | 69 |
| **102.5** | 60 | 71 |
| **105.0** | 60 | 72 |
| **107.5** | 62 | 71 |
| **110.0** | 64 | 69 |
| **112.5** | 64 | 67 |
| **115.0** | 64 | 65 |
| **117.5** | 63 | 64 |
| **120.0** | 62 | 62 |
| **122.5** | 60 | 61 |
| **125.0** | 60 | 60 |
| **127.5** | 59 | 59 |
| **130.0** | 57 | 58 |
| **132.5** | 56 | 56 |
| **135.0** | 55 | 55 |
| **137.5** | 54 | 54 |
| **140.0** | 52 | 53 |
| **142.5** | 44 | 44 |
| **145.0** | 34 | 35 |
| **147.5** | 24 | 25 |
| **150.0** | 15 | 16 |
| **152.5** | 11 | 11 |
| **155.0** | 5 | 5 |
| **157.5** | 1 | 1 |
| **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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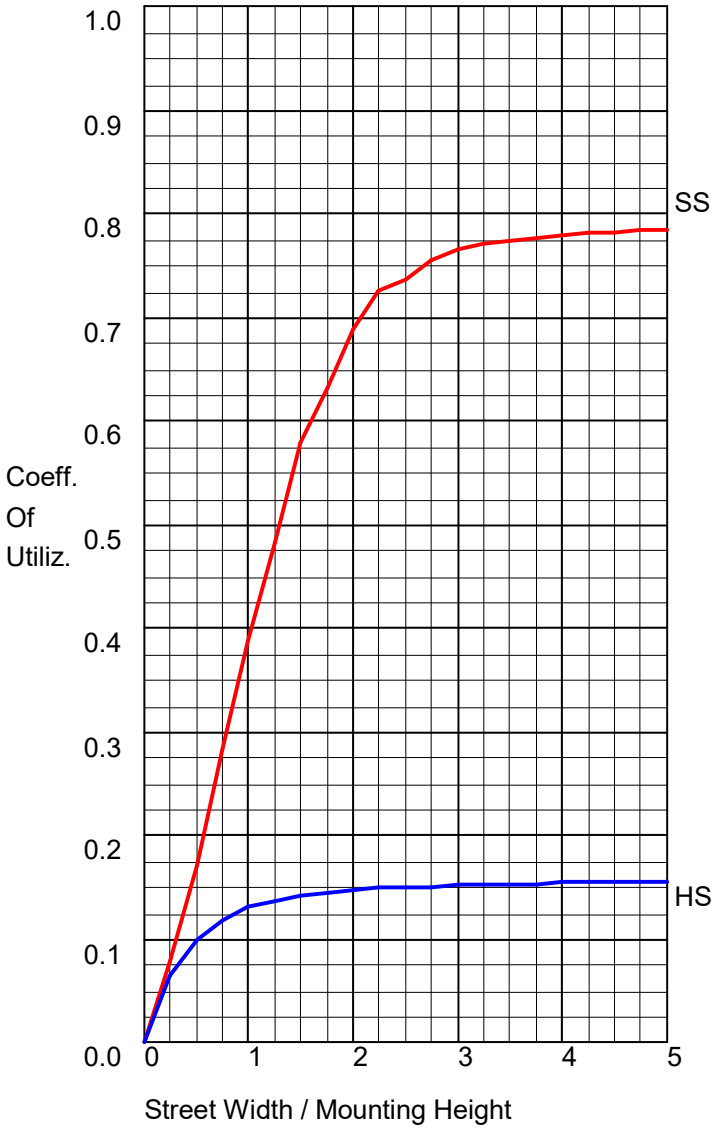
**COEFFICIENTS OF UTILIZATION**




**FLUX DISTRIBUTION**

| | Lumens | Percent Of Luminaire |
|---|---|---|
| Downward Street Side | 5955.4 | 79.4 |
| Downward House Side | 1209.2 | 16.1 |
| Downward Total | 7164.6 | 95.5 |
| Upward Street Side | 149.7 | 2.0 |
| Upward House Side | 190.9 | 2.5 |
| Upward Total | 340.6 | 4.5 |
| Total Flux | 7505.2 | 100.0 |

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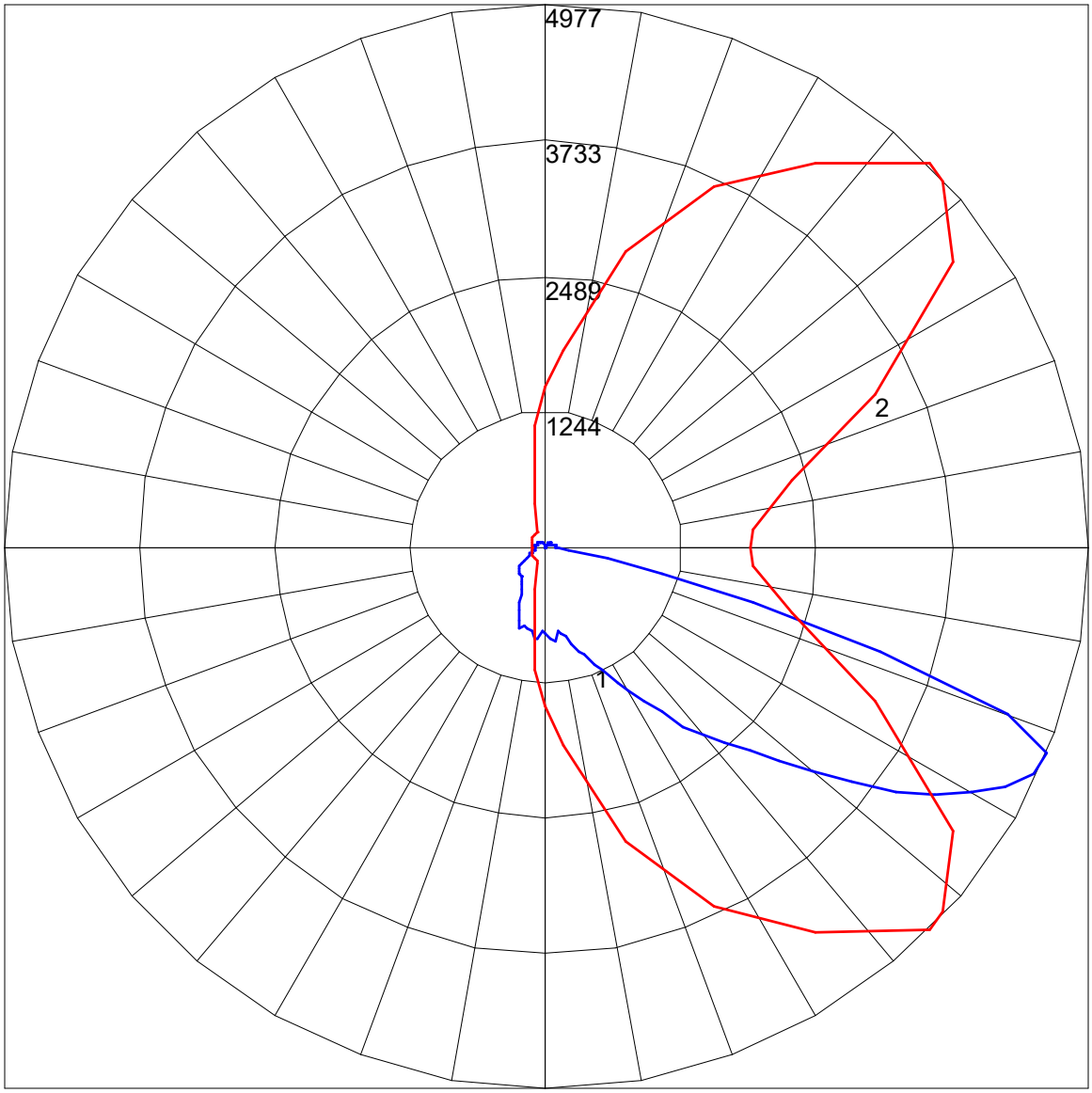
**POLAR GRAPH**




Maximum Candela = 4977  Located At Horizontal Angle = 45, Vertical Angle = 67.5
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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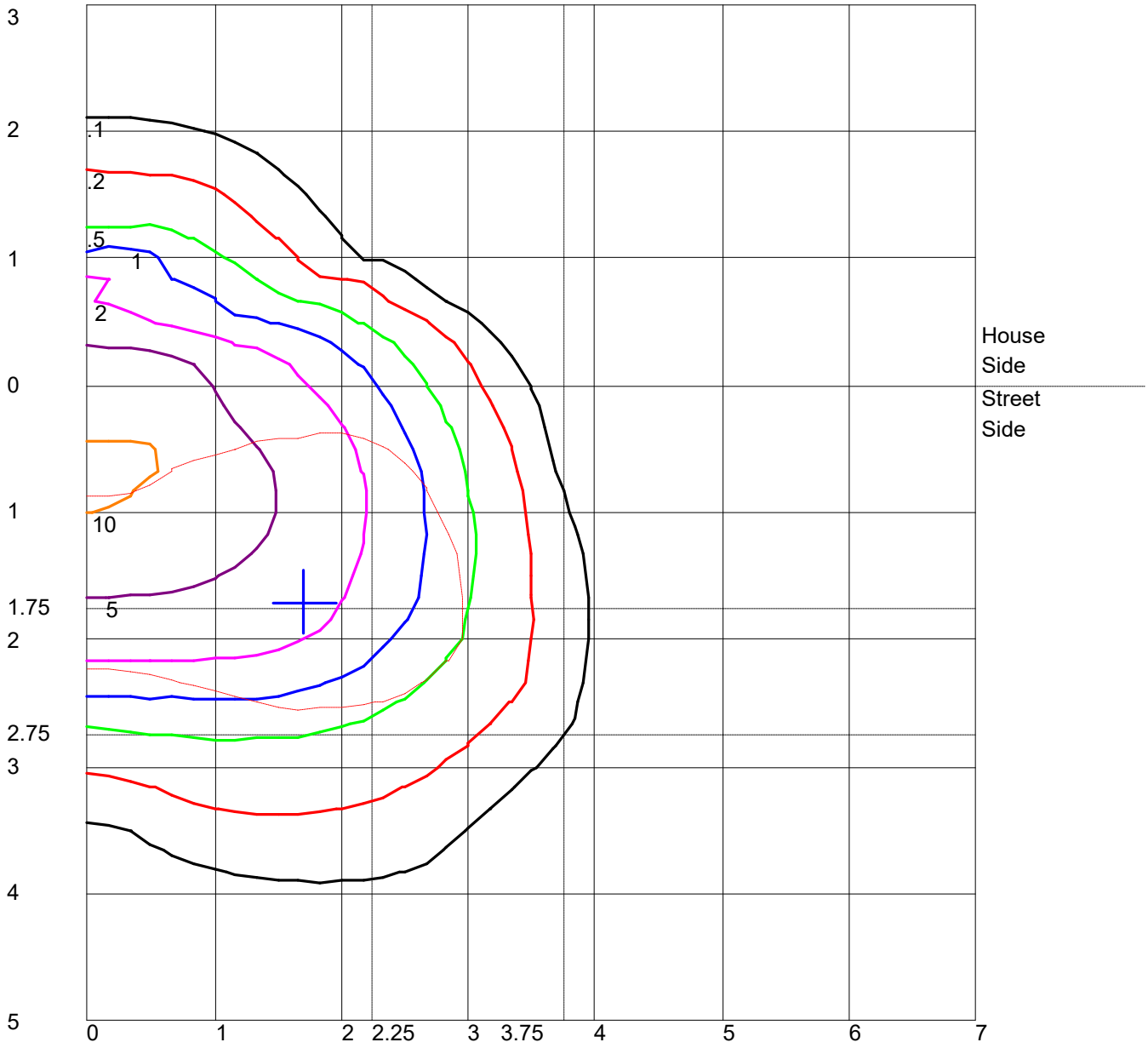
**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-10L-SIL-FT-30-70CRI-IH.IES**

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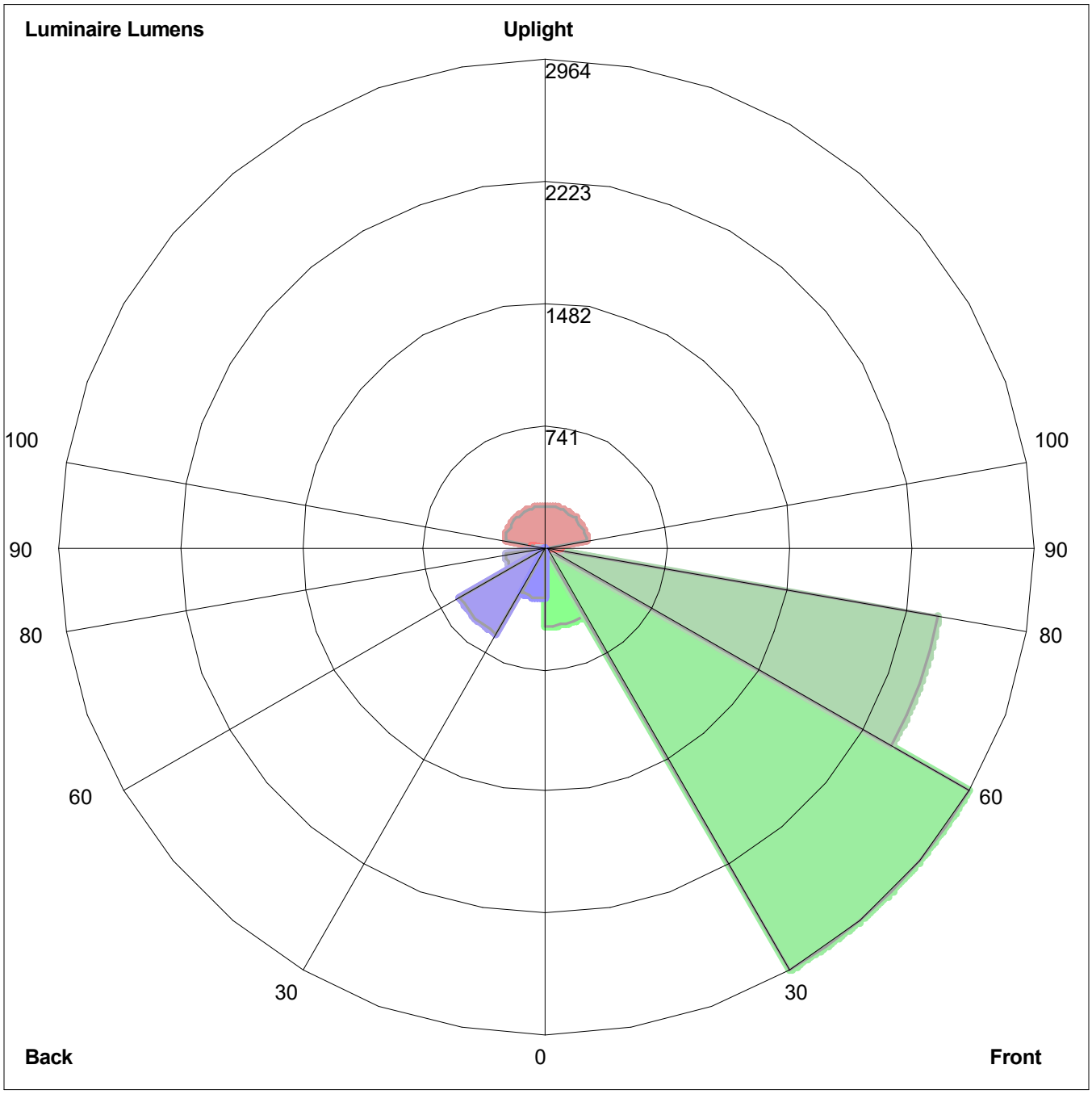
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-10L-SIL-FT-30-70CRI-IH.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**




Luminaire Lumens:
Front: Low=476.6, Medium=2963.9, High= 2421.0, Very High=93.8
Back: Low=309.0, Medium=601.2, High=245.0, Very High=54.0
Uplight: Low=90.3, High=250.3

BUG Rating : B1-U3-G2

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