**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-FT-50-70CRI.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] LED-12571
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/05/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-25L-SIL-FT-50-70CRI
[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] 5000

**CHARACTERISTICS**

| | |
|---|---|
| IES Classification | Type IV |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 26193 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 137 |
| Total Luminaire Watts | 191 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.04 |
| Maximum Candela | 13939 |
| Maximum Candela Angle | 37.5H 67.5V |
| Maximum Candela (<90 Degrees Vertical) | 13939 |
| Maximum Candela Angle (<90 Degrees Vertical) | 37.5H 67.5V |
| Maximum Candela At 90 Degrees Vertical | 373 (1.4% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 3213 (12.3% 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) | 1323.7 | N.A. | 5.1 |
| FM - Front-Medium (30-60) | 7699.1 | N.A. | 29.4 |
| FH - Front-High (60-80) | 8226.5 | N.A. | 31.4 |
| FVH - Front-Very High (80-90) | 454.6 | N.A. | 1.7 |
| BL - Back-Low (0-30) | 1183.4 | N.A. | 4.5 |
| BM - Back-Medium (30-60) | 3960.2 | N.A. | 15.1 |
| BH - Back-High (60-80) | 1922.3 | N.A. | 7.3 |
| BVH - Back-Very High (80-90) | 331.2 | N.A. | 1.3 |
| UL - Uplight-Low (90-100) | 301.4 | N.A. | 1.2 |
| UH - Uplight-High (100-180) | 790.9 | N.A. | 3.0 |
| Total | 26193.3 | N.A. | 100.0 |
| BUG Rating | B3-U4-G4 | | |

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**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-FT-50-70CRI.IES**

**CANDELA TABULATION**

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 37.5 | 45.0 | 55.0 | 65.0 | 75.0 |
| 0.0 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 |
| 2.5 | 2401 | 2423 | 2416 | 2426 | 2420 | 2413 | 2403 | 2391 | 2369 | 2348 |
| 5.0 | 2281 | 2262 | 2317 | 2402 | 2451 | 2449 | 2468 | 2498 | 2492 | 2430 |
| 7.5 | 2350 | 2356 | 2279 | 2321 | 2318 | 2316 | 2296 | 2403 | 2508 | 2492 |
| 10.0 | 2338 | 2295 | 2342 | 2377 | 2369 | 2401 | 2400 | 2426 | 2477 | 2536 |
| 12.5 | 2470 | 2487 | 2515 | 2482 | 2471 | 2468 | 2458 | 2498 | 2487 | 2754 |
| 15.0 | 2597 | 2577 | 2615 | 2575 | 2672 | 2664 | 2647 | 2653 | 2691 | 2758 |
| 17.5 | 2842 | 2828 | 2865 | 2817 | 2752 | 2766 | 2820 | 2811 | 2842 | 2919 |
| 20.0 | 2997 | 3056 | 3070 | 3041 | 3126 | 3130 | 2918 | 3064 | 3057 | 2995 |
| 22.5 | 3309 | 3288 | 3349 | 3352 | 3271 | 3288 | 3264 | 3228 | 3208 | 3276 |
| 25.0 | 3651 | 3678 | 3634 | 3521 | 3634 | 3599 | 3438 | 3388 | 3451 | 3364 |
| 27.5 | 3984 | 4043 | 3970 | 3923 | 3819 | 3803 | 3760 | 3568 | 3520 | 3526 |
| 30.0 | 4517 | 4545 | 4505 | 4218 | 4171 | 4142 | 3943 | 3819 | 3635 | 3749 |
| 32.5 | 4831 | 4857 | 4783 | 4714 | 4552 | 4454 | 4306 | 4090 | 3847 | 3857 |
| 35.0 | 5249 | 5180 | 5078 | 5015 | 5000 | 4975 | 4675 | 4311 | 3986 | 3906 |
| 37.5 | 5611 | 5576 | 5427 | 5346 | 5322 | 5302 | 5242 | 4660 | 4228 | 3975 |
| 40.0 | 6069 | 5982 | 5862 | 5752 | 5697 | 5682 | 5703 | 5055 | 4492 | 3956 |
| 42.5 | 6634 | 6513 | 6362 | 6246 | 6154 | 6150 | 6164 | 5607 | 4690 | 4078 |
| 45.0 | 7265 | 7183 | 6982 | 6864 | 6733 | 6726 | 6660 | 6255 | 4903 | 4315 |
| 47.5 | 8027 | 7982 | 7767 | 7638 | 7487 | 7441 | 7286 | 6789 | 5384 | 4610 |
| 50.0 | 8915 | 8875 | 8663 | 8623 | 8387 | 8252 | 8090 | 7484 | 5948 | 5056 |
| 52.5 | 9643 | 9615 | 9516 | 9609 | 9351 | 9152 | 8958 | 8247 | 6771 | 5643 |
| 55.0 | 10043 | 10053 | 10081 | 10398 | 10344 | 10208 | 9936 | 9109 | 7650 | 5947 |
| 57.5 | 10261 | 10294 | 10496 | 10935 | 11204 | 11224 | 10892 | 10120 | 8610 | 6471 |
| 60.0 | 10364 | 10423 | 10759 | 11375 | 11851 | 11978 | 11816 | 11027 | 9574 | 7283 |
| 62.5 | 10454 | 10535 | 11028 | 11821 | 12473 | 12658 | 12574 | 11869 | 10211 | 7976 |
| 65.0 | 10337 | 10413 | 11005 | 12102 | 13048 | 13406 | 13503 | 12493 | 10534 | 8336 |
| 67.5 | 9911 | 10009 | 10735 | 12155 | 13792 | 13939 | 13751 | 12940 | 10352 | 7642 |
| 70.0 | 8237 | 8496 | 9542 | 11545 | 13763 | 13831 | 13752 | 12495 | 9195 | 6479 |
| 72.5 | 4773 | 5178 | 7383 | 9516 | 12128 | 12649 | 13403 | 10516 | 7262 | 4494 |
| 75.0 | 2202 | 2501 | 5108 | 7101 | 9405 | 10107 | 10704 | 8150 | 4856 | 2445 |
| 77.5 | 1042 | 1134 | 2567 | 4464 | 6452 | 6348 | 5834 | 5000 | 2595 | 1498 |
| 80.0 | 848 | 908 | 1467 | 2266 | 3213 | 3207 | 2692 | 2658 | 1619 | 1113 |
| 82.5 | 675 | 742 | 1041 | 1548 | 1760 | 1697 | 1546 | 1444 | 982 | 813 |
| 85.0 | 519 | 577 | 769 | 927 | 912 | 862 | 934 | 707 | 559 | 627 |
| 87.5 | 349 | 381 | 488 | 538 | 357 | 334 | 430 | 370 | 394 | 427 |
| 90.0 | 109 | 133 | 193 | 221 | 250 | 257 | 275 | 287 | 306 | 327 |
| 92.5 | 124 | 138 | 197 | 226 | 253 | 260 | 279 | 287 | 308 | 325 |
| 95.0 | 140 | 142 | 200 | 230 | 256 | 262 | 281 | 284 | 305 | 314 |
| 97.5 | 153 | 147 | 201 | 232 | 257 | 263 | 279 | 277 | 296 | 271 |
| 100.0 | 164 | 153 | 201 | 233 | 257 | 261 | 275 | 271 | 275 | 216 |
| 102.5 | 174 | 159 | 199 | 235 | 256 | 260 | 271 | 259 | 244 | 188 |
| 105.0 | 179 | 166 | 197 | 236 | 255 | 257 | 263 | 239 | 214 | 176 |
| 107.5 | 183 | 173 | 194 | 236 | 252 | 254 | 251 | 214 | 187 | 168 |
| 110.0 | 185 | 179 | 192 | 235 | 247 | 247 | 234 | 193 | 168 | 163 |
| 112.5 | 187 | 183 | 189 | 232 | 238 | 234 | 213 | 178 | 155 | 158 |
| 115.0 | 188 | 186 | 187 | 225 | 223 | 217 | 196 | 168 | 149 | 154 |
| 117.5 | 189 | 188 | 184 | 214 | 208 | 203 | 185 | 161 | 143 | 152 |
| 120.0 | 189 | 188 | 179 | 199 | 196 | 192 | 177 | 156 | 142 | 149 |
| 122.5 | 187 | 185 | 173 | 185 | 186 | 183 | 172 | 153 | 141 | 146 |
| 125.0 | 182 | 181 | 168 | 173 | 179 | 177 | 168 | 153 | 142 | 144 |
| 127.5 | 176 | 174 | 164 | 165 | 172 | 172 | 166 | 155 | 144 | 146 |
| 130.0 | 170 | 169 | 162 | 159 | 168 | 168 | 166 | 156 | 147 | 149 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **132.5** | 167 | 166 | 161 | 157 | 166 | 167 | 162 | 150 | 148 | 153 |
| **135.0** | 167 | 167 | 163 | 158 | 155 | 153 | 147 | 141 | 149 | 156 |
| **137.5** | 163 | 164 | 156 | 142 | 130 | 127 | 122 | 124 | 138 | 154 |
| **140.0** | 142 | 141 | 132 | 116 | 102 | 99 | 95 | 103 | 118 | 137 |
| **142.5** | 115 | 113 | 105 | 90 | 72 | 70 | 70 | 79 | 95 | 113 |
| **145.0** | 87 | 86 | 77 | 63 | 50 | 50 | 49 | 57 | 72 | 88 |
| **147.5** | 58 | 57 | 52 | 43 | 32 | 30 | 25 | 33 | 49 | 59 |
| **150.0** | 41 | 40 | 36 | 25 | 11 | 10 | 8 | 14 | 27 | 36 |
| **152.5** | 21 | 20 | 14 | 8 | 3 | 3 | 3 | 6 | 10 | 17 |
| **155.0** | 7 | 6 | 4 | 2 | 2 | 2 | 2 | 3 | 5 | 7 |
| **157.5** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 |
| **160.0** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 |
| **162.5** | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 |
| **165.0** | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 |
| **167.5** | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 |
| **170.0** | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| **172.5** | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| **175.0** | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 |
| **177.5** | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| **180.0** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| **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** | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 | 2301 |
| **2.5** | 2330 | 2307 | 2309 | 2292 | 2274 | 2284 | 2274 | 2261 | 2255 | 2258 |
| **5.0** | 2370 | 2311 | 2267 | 2296 | 2422 | 2434 | 2401 | 2383 | 2347 | 2324 |
| **7.5** | 2448 | 2371 | 2342 | 2413 | 2441 | 2414 | 2378 | 2293 | 2198 | 2139 |
| **10.0** | 2494 | 2448 | 2398 | 2497 | 2414 | 2354 | 2236 | 2216 | 2208 | 2136 |
| **12.5** | 2735 | 2597 | 2548 | 2662 | 2467 | 2279 | 2215 | 2233 | 2196 | 2273 |
| **15.0** | 2840 | 2709 | 2668 | 2708 | 2486 | 2403 | 2256 | 2382 | 2410 | 2445 |
| **17.5** | 3024 | 2906 | 2882 | 2857 | 2557 | 2415 | 2584 | 2525 | 2523 | 2623 |
| **20.0** | 3205 | 3018 | 3025 | 2902 | 2660 | 2616 | 2608 | 2667 | 2719 | 2789 |
| **22.5** | 3403 | 3278 | 3254 | 3014 | 2719 | 2777 | 2778 | 2910 | 2867 | 3043 |
| **25.0** | 3494 | 3478 | 3371 | 3035 | 2846 | 2842 | 2964 | 2997 | 3111 | 3197 |
| **27.5** | 3708 | 3578 | 3588 | 3165 | 2892 | 2994 | 3077 | 3217 | 3243 | 3442 |
| **30.0** | 3815 | 3670 | 3718 | 3321 | 3015 | 3151 | 3268 | 3302 | 3440 | 3579 |
| **32.5** | 3825 | 3710 | 3727 | 3398 | 3097 | 3231 | 3316 | 3482 | 3671 | 3873 |
| **35.0** | 3862 | 3697 | 3746 | 3360 | 3082 | 3262 | 3448 | 3643 | 3779 | 3958 |
| **37.5** | 3855 | 3717 | 3784 | 3307 | 3059 | 3243 | 3498 | 3668 | 3809 | 4026 |
| **40.0** | 3825 | 3808 | 3739 | 3222 | 3040 | 3188 | 3524 | 3633 | 3831 | 4125 |
| **42.5** | 3923 | 3751 | 3756 | 3164 | 2979 | 3154 | 3460 | 3591 | 3870 | 4478 |
| **45.0** | 3963 | 3759 | 3790 | 3166 | 2839 | 3178 | 3388 | 3523 | 3956 | 4800 |
| **47.5** | 4048 | 3867 | 3715 | 3113 | 2735 | 3139 | 3297 | 3424 | 4290 | 4320 |
| **50.0** | 4172 | 4003 | 3742 | 3098 | 2623 | 3023 | 3180 | 3335 | 4266 | 3924 |
| **52.5** | 4486 | 4107 | 3888 | 3091 | 2569 | 2922 | 3034 | 3343 | 3971 | 3643 |
| **55.0** | 4787 | 4356 | 3990 | 3008 | 2528 | 2804 | 2875 | 3345 | 3653 | 3414 |
| **57.5** | 5194 | 4611 | 4079 | 2929 | 2414 | 2617 | 2698 | 3222 | 3369 | 3197 |
| **60.0** | 5564 | 4803 | 4241 | 2864 | 2258 | 2388 | 2475 | 3008 | 3089 | 2967 |
| **62.5** | 5794 | 4891 | 4174 | 2746 | 2069 | 2158 | 2246 | 2775 | 2801 | 2737 |
| **65.0** | 5696 | 4761 | 3872 | 2520 | 1856 | 1915 | 2015 | 2540 | 2513 | 2511 |
| **67.5** | 5142 | 4115 | 3361 | 2212 | 1681 | 1696 | 1812 | 2327 | 2206 | 2227 |
| **70.0** | 4051 | 3037 | 2393 | 1849 | 1491 | 1528 | 1626 | 2094 | 1872 | 2021 |
| **72.5** | 2603 | 2049 | 1499 | 1458 | 1286 | 1341 | 1431 | 1805 | 1632 | 1832 |
| **75.0** | 1458 | 1268 | 1088 | 1157 | 1109 | 1121 | 1253 | 1552 | 1302 | 1486 |
| **77.5** | 961 | 867 | 768 | 912 | 896 | 920 | 1050 | 1211 | 1072 | 1376 |

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**CANDELA TABULATION - (Cont.)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **80.0** | 769 | 682 | 596 | 757 | 720 | 725 | 830 | 904 | 925 | 1214 |
| **82.5** | 604 | 533 | 481 | 655 | 619 | 606 | 665 | 705 | 802 | 999 |
| **85.0** | 505 | 369 | 421 | 565 | 518 | 510 | 531 | 557 | 686 | 766 |
| **87.5** | 404 | 206 | 387 | 453 | 435 | 424 | 451 | 437 | 462 | 554 |
| **90.0** | 264 | 156 | 324 | 370 | 364 | 344 | 373 | 362 | 351 | 342 |
| **92.5** | 208 | 242 | 290 | 359 | 350 | 328 | 350 | 344 | 327 | 307 |
| **95.0** | 212 | 298 | 275 | 346 | 338 | 306 | 338 | 334 | 323 | 304 |
| **97.5** | 238 | 299 | 272 | 319 | 321 | 282 | 323 | 320 | 314 | 294 |
| **100.0** | 248 | 284 | 268 | 282 | 302 | 272 | 310 | 309 | 305 | 280 |
| **102.5** | 238 | 265 | 256 | 253 | 283 | 267 | 299 | 301 | 297 | 266 |
| **105.0** | 223 | 244 | 240 | 232 | 263 | 260 | 289 | 294 | 289 | 248 |
| **107.5** | 208 | 223 | 225 | 218 | 243 | 252 | 281 | 287 | 281 | 231 |
| **110.0** | 194 | 208 | 211 | 208 | 225 | 242 | 274 | 283 | 275 | 214 |
| **112.5** | 183 | 195 | 199 | 199 | 211 | 234 | 265 | 277 | 267 | 198 |
| **115.0** | 173 | 184 | 189 | 193 | 201 | 226 | 255 | 271 | 256 | 186 |
| **117.5** | 167 | 176 | 180 | 188 | 195 | 220 | 246 | 261 | 242 | 178 |
| **120.0** | 160 | 169 | 174 | 185 | 191 | 215 | 238 | 249 | 226 | 173 |
| **122.5** | 155 | 163 | 169 | 181 | 189 | 212 | 230 | 235 | 207 | 170 |
| **125.0** | 153 | 158 | 164 | 177 | 188 | 208 | 222 | 221 | 189 | 167 |
| **127.5** | 152 | 156 | 162 | 176 | 187 | 205 | 214 | 207 | 174 | 164 |
| **130.0** | 153 | 157 | 164 | 176 | 187 | 203 | 206 | 193 | 164 | 162 |
| **132.5** | 156 | 160 | 166 | 177 | 183 | 196 | 198 | 180 | 157 | 160 |
| **135.0** | 161 | 165 | 169 | 178 | 178 | 177 | 180 | 170 | 156 | 159 |
| **137.5** | 165 | 169 | 172 | 173 | 165 | 153 | 151 | 150 | 154 | 159 |
| **140.0** | 152 | 156 | 156 | 152 | 140 | 126 | 116 | 121 | 134 | 148 |
| **142.5** | 129 | 133 | 132 | 125 | 110 | 95 | 84 | 90 | 107 | 123 |
| **145.0** | 99 | 101 | 103 | 95 | 82 | 68 | 59 | 62 | 80 | 94 |
| **147.5** | 67 | 69 | 70 | 66 | 55 | 42 | 37 | 43 | 54 | 66 |
| **150.0** | 41 | 41 | 42 | 40 | 31 | 17 | 15 | 27 | 36 | 42 |
| **152.5** | 22 | 23 | 23 | 19 | 12 | 6 | 5 | 7 | 18 | 28 |
| **155.0** | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 3 | 6 |
| **157.5** | 5 | 6 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **160.0** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **162.5** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 0 | 0 | 0 |
| **165.0** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **167.5** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **170.0** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **172.5** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **175.0** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **177.5** | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 |
| **180.0** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| **Vert. Angles** | **Horizontal Angles** | |
|---|---|---|
| | **175.0** | **180.0** |
| **0.0** | 2301 | 2301 |
| **2.5** | 2272 | 2292 |
| **5.0** | 2321 | 2304 |
| **7.5** | 2149 | 2139 |
| **10.0** | 2163 | 2175 |
| **12.5** | 2292 | 2305 |
| **15.0** | 2455 | 2363 |
| **17.5** | 2584 | 2713 |
| **20.0** | 2785 | 2722 |
| **22.5** | 3042 | 3042 |
| **25.0** | 3225 | 3192 |

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**CANDELA TABULATION - (Cont.)**

| | | |
|---|---|---|
| **27.5** | 3513 | 3561 |
| **30.0** | 3732 | 3724 |
| **32.5** | 4000 | 4007 |
| **35.0** | 4104 | 4123 |
| **37.5** | 4197 | 4259 |
| **40.0** | 4394 | 4539 |
| **42.5** | 4787 | 4820 |
| **45.0** | 4312 | 4299 |
| **47.5** | 3982 | 4002 |
| **50.0** | 3779 | 3782 |
| **52.5** | 3587 | 3582 |
| **55.0** | 3393 | 3390 |
| **57.5** | 3179 | 3161 |
| **60.0** | 2954 | 2939 |
| **62.5** | 2727 | 2722 |
| **65.0** | 2522 | 2509 |
| **67.5** | 2225 | 2199 |
| **70.0** | 2050 | 2018 |
| **72.5** | 1759 | 1617 |
| **75.0** | 1450 | 1379 |
| **77.5** | 1439 | 1376 |
| **80.0** | 1377 | 1313 |
| **82.5** | 1160 | 1111 |
| **85.0** | 893 | 889 |
| **87.5** | 623 | 666 |
| **90.0** | 290 | 245 |
| **92.5** | 195 | 153 |
| **95.0** | 192 | 177 |
| **97.5** | 185 | 198 |
| **100.0** | 181 | 209 |
| **102.5** | 179 | 213 |
| **105.0** | 182 | 213 |
| **107.5** | 185 | 209 |
| **110.0** | 188 | 203 |
| **112.5** | 190 | 198 |
| **115.0** | 189 | 193 |
| **117.5** | 187 | 189 |
| **120.0** | 185 | 186 |
| **122.5** | 182 | 183 |
| **125.0** | 179 | 180 |
| **127.5** | 174 | 176 |
| **130.0** | 170 | 170 |
| **132.5** | 165 | 166 |
| **135.0** | 163 | 163 |
| **137.5** | 162 | 162 |
| **140.0** | 155 | 156 |
| **142.5** | 130 | 132 |
| **145.0** | 102 | 103 |
| **147.5** | 75 | 76 |
| **150.0** | 46 | 47 |
| **152.5** | 31 | 31 |
| **155.0** | 10 | 9 |
| **157.5** | 0 | 0 |
| **160.0** | 0 | 0 |
| **162.5** | 0 | 0 |
| **165.0** | 0 | 0 |

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**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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**IES ROAD REPORT**
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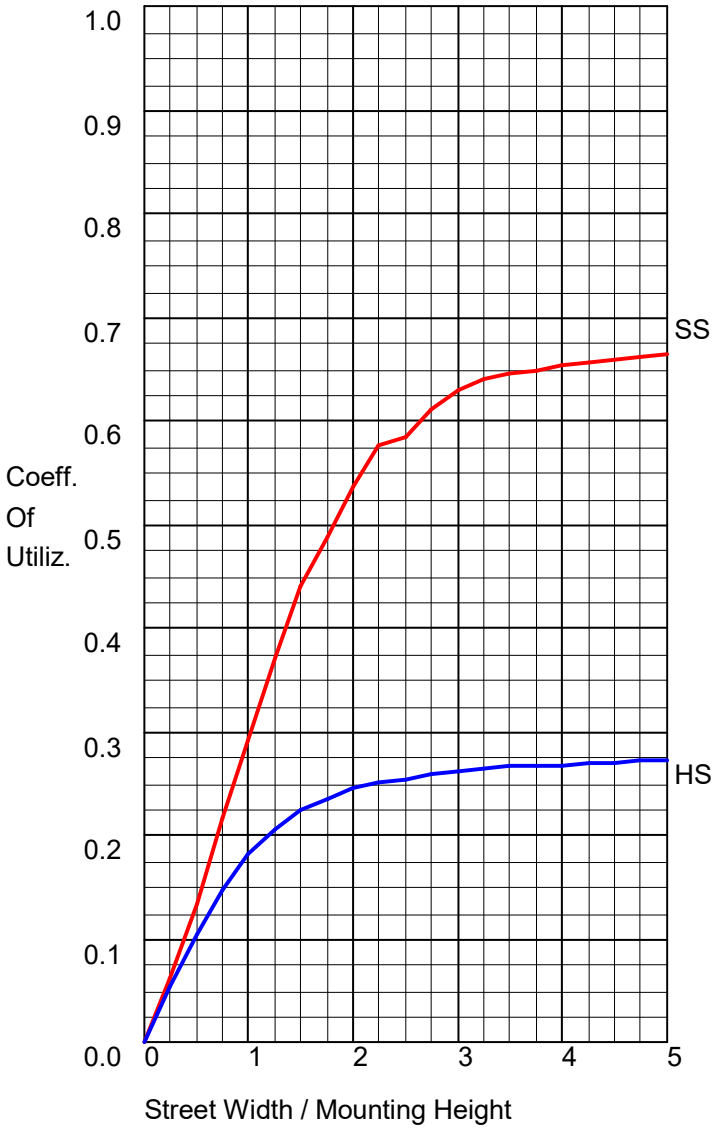
**COEFFICIENTS OF UTILIZATION**




**FLUX DISTRIBUTION**

| | Lumens | Percent Of Luminaire |
|---|---|---|
| Downward Street Side | 17703.9 | 67.6 |
| Downward House Side | 7397.0 | 28.2 |
| Downward Total | 25100.9 | 95.8 |
| Upward Street Side | 500.2 | 1.9 |
| Upward House Side | 592.2 | 2.3 |
| Upward Total | 1092.4 | 4.2 |
| Total Flux | 26193.3 | 100.0 |

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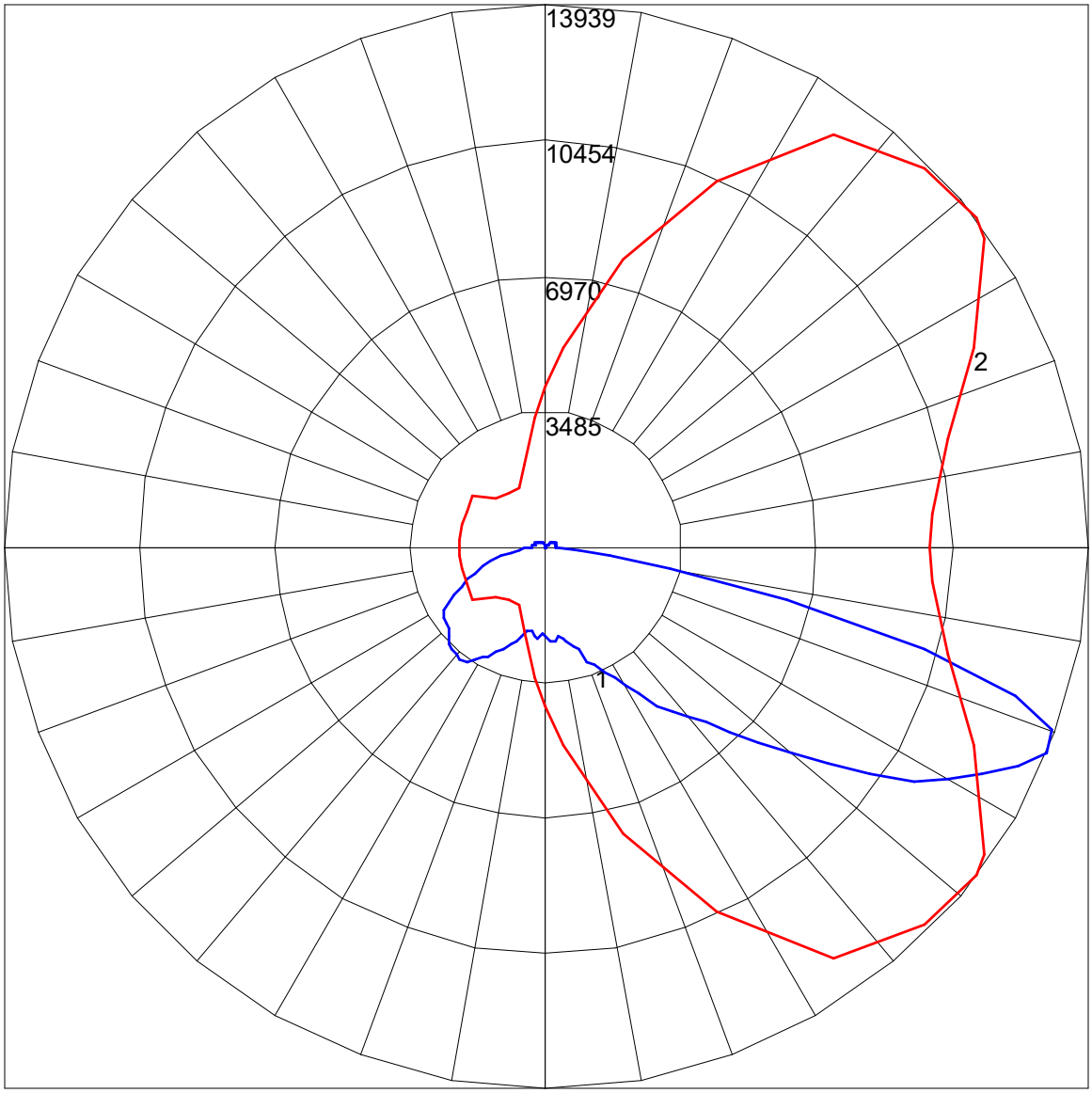
**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-FT-50-70CRI.IES**

**POLAR GRAPH**




Maximum Candela = 13939  Located At Horizontal Angle = 37.5, Vertical Angle = 67.5
# 1 - Vertical Plane Through Horizontal Angles (37.5 - 217.5) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

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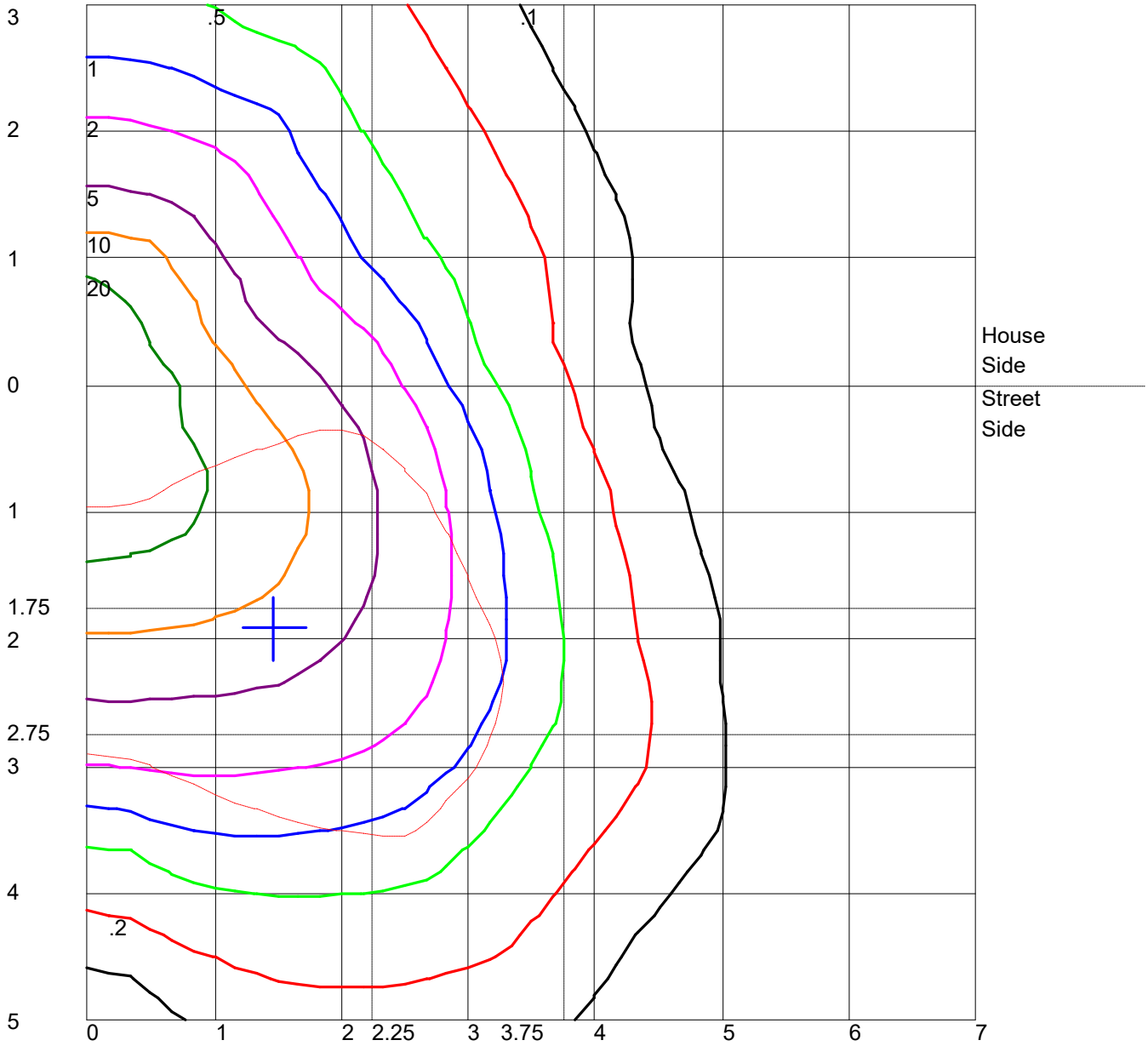
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

**IES ROAD REPORT**
**PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-FT-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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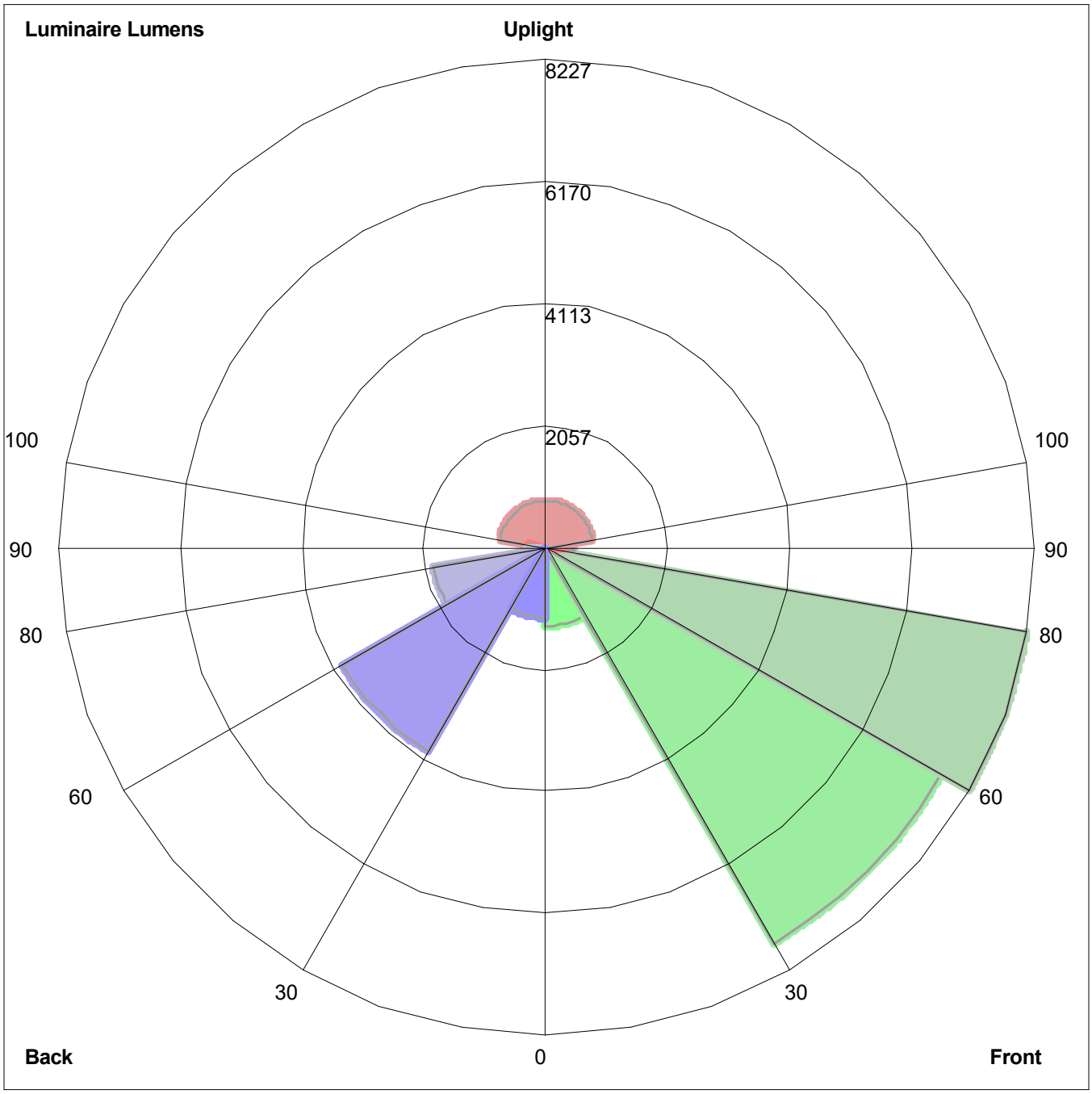
**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**




Luminaire Lumens:
Front: Low=1323.7, Medium=7699.1, High=8226.5, Very High=454.6
Back: Low=1183.4, Medium=3960.2, High=1922.3, Very High=331.2
Uplight: Low=301.4, High=790.9

BUG Rating : B3-U4-G4

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