



IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-3-LED-HO-NW-HSS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5335A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/16
[TEST DATE]03/30/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]XGBM-3-LED-HO-NW-HSS
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]Tested with new Flat Black HSS Shield
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

| | |
|---|-------------------------------|
| IES Classification | Type III |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 13941 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 48 |
| Total Luminaire Watts | 288.3 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 9512 |
| Maximum Candela Angle | 50H 57.5V |
| Maximum Candela (<90 Degrees Vertical) | 9512 |
| Maximum Candela Angle (<90 Degrees Vertical) | 50H 57.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1669 (12.0% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1649.4 | N.A. | 11.8 |
| FM - Front-Medium (30-60) | 6841.6 | N.A. | 49.1 |
| FH - Front-High (60-80) | 3472.7 | N.A. | 24.9 |
| FVH - Front-Very High (80-90) | 151.6 | N.A. | 1.1 |
| BL - Back-Low (0-30) | 758.3 | N.A. | 5.4 |
| BM - Back-Medium (30-60) | 819.7 | N.A. | 5.9 |
| BH - Back-High (60-80) | 240.3 | N.A. | 1.7 |
| BVH - Back-Very High (80-90) | 7.9 | N.A. | 0.1 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 13941.5 | N.A. | 100.0 |
| BUG Rating | B2-U0-G2 | | |

IES ROAD REPORT
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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | <u>0</u> | <u>5</u> | <u>15</u> | <u>25</u> | <u>35</u> | <u>45</u> | <u>50</u> | <u>55</u> | <u>65</u> | <u>75</u> |
| 0.0 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 |
| 2.5 | 2203 | 2208 | 2203 | 2204 | 2207 | 2207 | 2215 | 2217 | 2216 | 2223 |
| 5.0 | 2213 | 2220 | 2225 | 2248 | 2282 | 2326 | 2354 | 2386 | 2418 | 2462 |
| 7.5 | 2308 | 2321 | 2329 | 2366 | 2458 | 2565 | 2615 | 2677 | 2744 | 2817 |
| 10.0 | 2462 | 2474 | 2540 | 2712 | 2903 | 2946 | 2989 | 3017 | 3084 | 3158 |
| 12.5 | 2599 | 2624 | 2755 | 3001 | 3281 | 3469 | 3550 | 3483 | 3386 | 3410 |
| 15.0 | 2849 | 2847 | 3042 | 3369 | 3669 | 3813 | 3889 | 3911 | 3637 | 3561 |
| 17.5 | 3123 | 3157 | 3446 | 3850 | 4118 | 4115 | 4115 | 4100 | 3969 | 3615 |
| 20.0 | 3430 | 3486 | 3929 | 4453 | 4584 | 4436 | 4305 | 4188 | 4053 | 3614 |
| 22.5 | 3849 | 3947 | 4577 | 5061 | 5118 | 4751 | 4489 | 4194 | 4062 | 3678 |
| 25.0 | 4068 | 4203 | 4992 | 5702 | 5627 | 4991 | 4609 | 4243 | 3979 | 3744 |
| 27.5 | 3936 | 4106 | 5117 | 5962 | 5921 | 5183 | 4769 | 4282 | 3767 | 3644 |
| 30.0 | 3801 | 4009 | 5103 | 5841 | 5934 | 5476 | 4945 | 4362 | 3612 | 3463 |
| 32.5 | 3860 | 4129 | 5221 | 5780 | 5725 | 5513 | 5218 | 4574 | 3639 | 3405 |
| 35.0 | 3925 | 4263 | 5557 | 5905 | 5624 | 5449 | 5374 | 4985 | 3872 | 3479 |
| 37.5 | 3929 | 4297 | 5823 | 6104 | 5693 | 5339 | 5352 | 5207 | 4199 | 3619 |
| 40.0 | 3984 | 4438 | 6060 | 6215 | 6120 | 5321 | 5312 | 5356 | 4579 | 3928 |
| 42.5 | 4458 | 5058 | 6552 | 6376 | 6536 | 5756 | 5387 | 5434 | 5296 | 4456 |
| 45.0 | 5146 | 5712 | 7176 | 6892 | 6860 | 6489 | 5915 | 5683 | 6079 | 5016 |
| 47.5 | 5778 | 6286 | 7431 | 7276 | 7366 | 7244 | 6794 | 6274 | 6921 | 5396 |
| 50.0 | 6115 | 6799 | 7810 | 7430 | 7814 | 8226 | 7666 | 7166 | 7086 | 5470 |
| 52.5 | 5733 | 6534 | 7491 | 7584 | 7891 | 9034 | 8683 | 8122 | 6998 | 5478 |
| 55.0 | 5735 | 6433 | 7037 | 7012 | 8049 | 9247 | 9456 | 8785 | 6878 | 5230 |
| 57.5 | 4652 | 5189 | 6016 | 6677 | 7548 | 9337 | 9512 | 9171 | 6808 | 5363 |
| 60.0 | 4285 | 4724 | 4886 | 5349 | 7123 | 8870 | 9263 | 9120 | 6837 | 5241 |
| 62.5 | 3190 | 3586 | 3869 | 4725 | 5884 | 7898 | 8590 | 8312 | 6443 | 5211 |
| 65.0 | 1745 | 2009 | 2255 | 3458 | 5176 | 6742 | 7281 | 7429 | 6679 | 5423 |
| 67.5 | 1245 | 1405 | 1621 | 2098 | 3775 | 5604 | 6209 | 7041 | 6885 | 5273 |
| 70.0 | 277 | 330 | 548 | 1334 | 2496 | 5336 | 6113 | 6327 | 5787 | 4829 |
| 72.5 | 193 | 224 | 277 | 469 | 1796 | 4402 | 5453 | 5536 | 5264 | 4440 |
| 75.0 | 174 | 199 | 257 | 379 | 1320 | 3528 | 4099 | 4479 | 3974 | 3336 |
| 77.5 | 142 | 160 | 205 | 316 | 1068 | 2431 | 2867 | 2871 | 2632 | 2409 |
| 80.0 | 130 | 142 | 171 | 238 | 602 | 1395 | 1600 | 1669 | 1572 | 1192 |
| 82.5 | 120 | 128 | 149 | 174 | 310 | 577 | 657 | 660 | 731 | 449 |
| 85.0 | 118 | 125 | 142 | 149 | 172 | 236 | 243 | 237 | 223 | 183 |
| 87.5 | 121 | 132 | 150 | 155 | 175 | 174 | 156 | 120 | 101 | 71 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 92.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 97.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 130.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|
| 132.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 137.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 140.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 142.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 150.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| | <u>85</u> | <u>90</u> | <u>95</u> | <u>105</u> | <u>115</u> | <u>125</u> | <u>135</u> | <u>145</u> | <u>155</u> | <u>165</u> |
| 0.0 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 | 2169 |
| 2.5 | 2208 | 2209 | 2200 | 2185 | 2173 | 2150 | 2131 | 2114 | 2083 | 2085 |
| 5.0 | 2440 | 2443 | 2411 | 2356 | 2269 | 2175 | 2085 | 2006 | 1930 | 1892 |
| 7.5 | 2807 | 2801 | 2755 | 2648 | 2473 | 2297 | 2160 | 2028 | 1911 | 1833 |
| 10.0 | 3158 | 3134 | 3084 | 2877 | 2657 | 2460 | 2316 | 2087 | 1804 | 1636 |
| 12.5 | 3413 | 3370 | 3287 | 3005 | 2785 | 2621 | 2245 | 1954 | 1703 | 1501 |
| 15.0 | 3555 | 3492 | 3364 | 3041 | 2861 | 2443 | 2134 | 1817 | 1547 | 1314 |
| 17.5 | 3566 | 3503 | 3333 | 2996 | 2805 | 2252 | 1912 | 1555 | 1317 | 1128 |
| 20.0 | 3545 | 3453 | 3226 | 2919 | 2428 | 1993 | 1581 | 1256 | 1121 | 1024 |
| 22.5 | 3508 | 3386 | 3107 | 2841 | 2237 | 1694 | 1254 | 1056 | 1033 | 979 |
| 25.0 | 3402 | 3265 | 3012 | 2765 | 2015 | 1415 | 1055 | 989 | 937 | 881 |
| 27.5 | 3199 | 3103 | 2955 | 2619 | 1779 | 1158 | 962 | 896 | 858 | 738 |
| 30.0 | 3057 | 3006 | 2925 | 2348 | 1498 | 983 | 884 | 818 | 689 | 530 |
| 32.5 | 3012 | 3007 | 2945 | 2188 | 1197 | 842 | 822 | 666 | 480 | 339 |
| 35.0 | 3057 | 3043 | 2953 | 2050 | 920 | 668 | 669 | 476 | 338 | 251 |
| 37.5 | 3160 | 3130 | 2999 | 1898 | 789 | 523 | 481 | 315 | 269 | 217 |
| 40.0 | 3410 | 3351 | 3127 | 1736 | 721 | 465 | 344 | 238 | 205 | 158 |
| 42.5 | 3770 | 3704 | 3322 | 1572 | 671 | 400 | 270 | 198 | 153 | 131 |
| 45.0 | 4088 | 4029 | 3486 | 1414 | 610 | 315 | 213 | 141 | 139 | 121 |
| 47.5 | 4254 | 4185 | 3546 | 1228 | 605 | 271 | 169 | 109 | 109 | 64 |
| 50.0 | 4257 | 4190 | 3496 | 1057 | 536 | 226 | 156 | 86 | 52 | 31 |
| 52.5 | 4152 | 4078 | 3369 | 895 | 397 | 192 | 126 | 52 | 31 | 23 |
| 55.0 | 3905 | 3842 | 3193 | 736 | 300 | 148 | 97 | 35 | 23 | 19 |
| 57.5 | 3743 | 3531 | 2922 | 534 | 243 | 120 | 58 | 26 | 17 | 16 |
| 60.0 | 3368 | 3274 | 2676 | 428 | 196 | 112 | 32 | 19 | 13 | 12 |
| 62.5 | 3177 | 3294 | 2464 | 356 | 143 | 58 | 24 | 13 | 10 | 8 |
| 65.0 | 3229 | 3323 | 2185 | 275 | 110 | 37 | 25 | 10 | 6 | 4 |
| 67.5 | 2961 | 2958 | 1988 | 208 | 78 | 32 | 16 | 8 | 2 | 1 |
| 70.0 | 2790 | 2652 | 1815 | 160 | 44 | 29 | 12 | 4 | 2 | 1 |
| 72.5 | 2499 | 2280 | 1502 | 109 | 43 | 28 | 8 | 4 | 2 | 1 |
| 75.0 | 1968 | 1619 | 1013 | 52 | 40 | 22 | 8 | 4 | 2 | 1 |
| 77.5 | 1453 | 1126 | 610 | 33 | 41 | 17 | 7 | 4 | 2 | 1 |

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-----|-----|-----|----|----|----|---|---|---|---|
| 80.0 | 769 | 545 | 275 | 24 | 33 | 12 | 6 | 4 | 2 | 1 |
| 82.5 | 327 | 224 | 94 | 15 | 18 | 9 | 6 | 4 | 2 | 1 |
| 85.0 | 117 | 75 | 33 | 9 | 9 | 8 | 6 | 4 | 2 | 1 |
| 87.5 | 30 | 15 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | 1 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 92.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 97.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 130.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 137.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 140.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 142.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 150.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Vert. Horizontal Angles
Angles

| | <u>175</u> | <u>180</u> |
|------|------------|------------|
| 0.0 | 2169 | 2169 |
| 2.5 | 2070 | 2095 |
| 5.0 | 1862 | 1883 |
| 7.5 | 1787 | 1801 |
| 10.0 | 1546 | 1544 |
| 12.5 | 1391 | 1381 |
| 15.0 | 1215 | 1207 |
| 17.5 | 1056 | 1052 |
| 20.0 | 966 | 969 |
| 22.5 | 889 | 890 |
| 25.0 | 800 | 798 |

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CANDELA TABULATION - (Cont.)

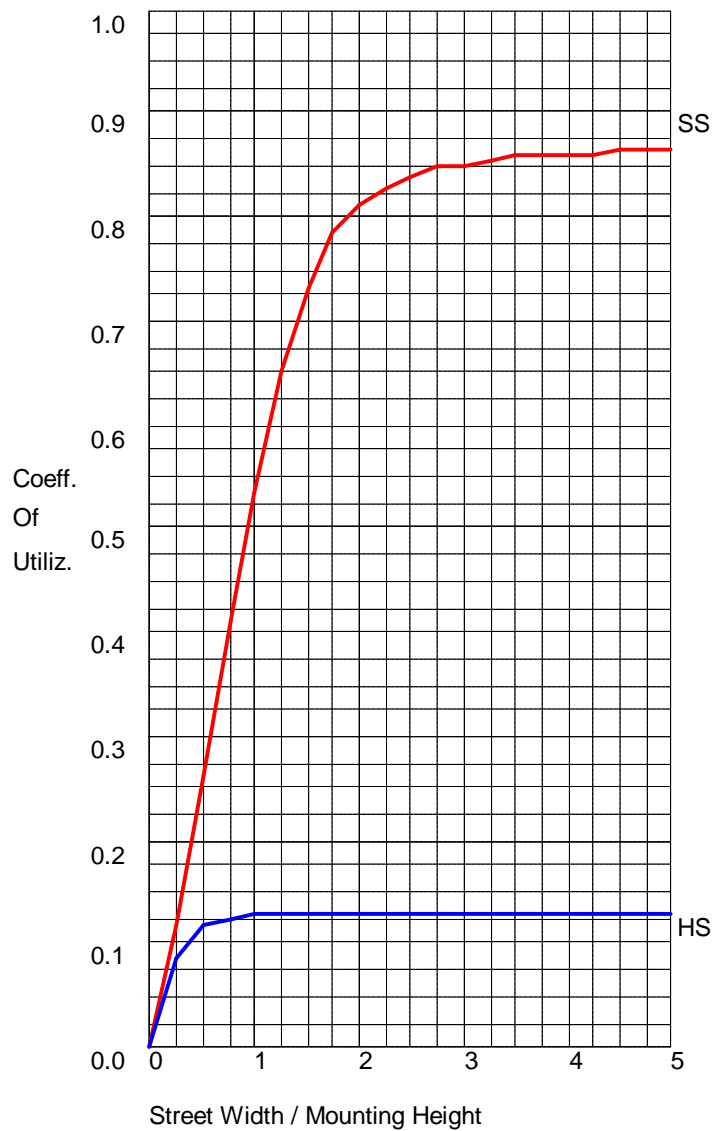
| | | |
|-------|-----|-----|
| 27.5 | 621 | 609 |
| 30.0 | 397 | 392 |
| 32.5 | 233 | 220 |
| 35.0 | 178 | 162 |
| 37.5 | 141 | 131 |
| 40.0 | 114 | 108 |
| 42.5 | 100 | 94 |
| 45.0 | 77 | 67 |
| 47.5 | 43 | 38 |
| 50.0 | 27 | 25 |
| 52.5 | 21 | 21 |
| 55.0 | 18 | 18 |
| 57.5 | 14 | 15 |
| 60.0 | 11 | 12 |
| 62.5 | 8 | 8 |
| 65.0 | 0 | 0 |
| 67.5 | 0 | 0 |
| 70.0 | 0 | 0 |
| 72.5 | 0 | 0 |
| 75.0 | 0 | 0 |
| 77.5 | 0 | 0 |
| 80.0 | 0 | 0 |
| 82.5 | 0 | 0 |
| 85.0 | 0 | 0 |
| 87.5 | 0 | 0 |
| 90.0 | 0 | 0 |
| 92.5 | 0 | 0 |
| 95.0 | 0 | 0 |
| 97.5 | 0 | 0 |
| 100.0 | 0 | 0 |
| 102.5 | 0 | 0 |
| 105.0 | 0 | 0 |
| 107.5 | 0 | 0 |
| 110.0 | 0 | 0 |
| 112.5 | 0 | 0 |
| 115.0 | 0 | 0 |
| 117.5 | 0 | 0 |
| 120.0 | 0 | 0 |
| 122.5 | 0 | 0 |
| 125.0 | 0 | 0 |
| 127.5 | 0 | 0 |
| 130.0 | 0 | 0 |
| 132.5 | 0 | 0 |
| 135.0 | 0 | 0 |
| 137.5 | 0 | 0 |
| 140.0 | 0 | 0 |
| 142.5 | 0 | 0 |
| 145.0 | 0 | 0 |
| 147.5 | 0 | 0 |
| 150.0 | 0 | 0 |
| 152.5 | 0 | 0 |
| 155.0 | 0 | 0 |
| 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 | 0 | 0 |

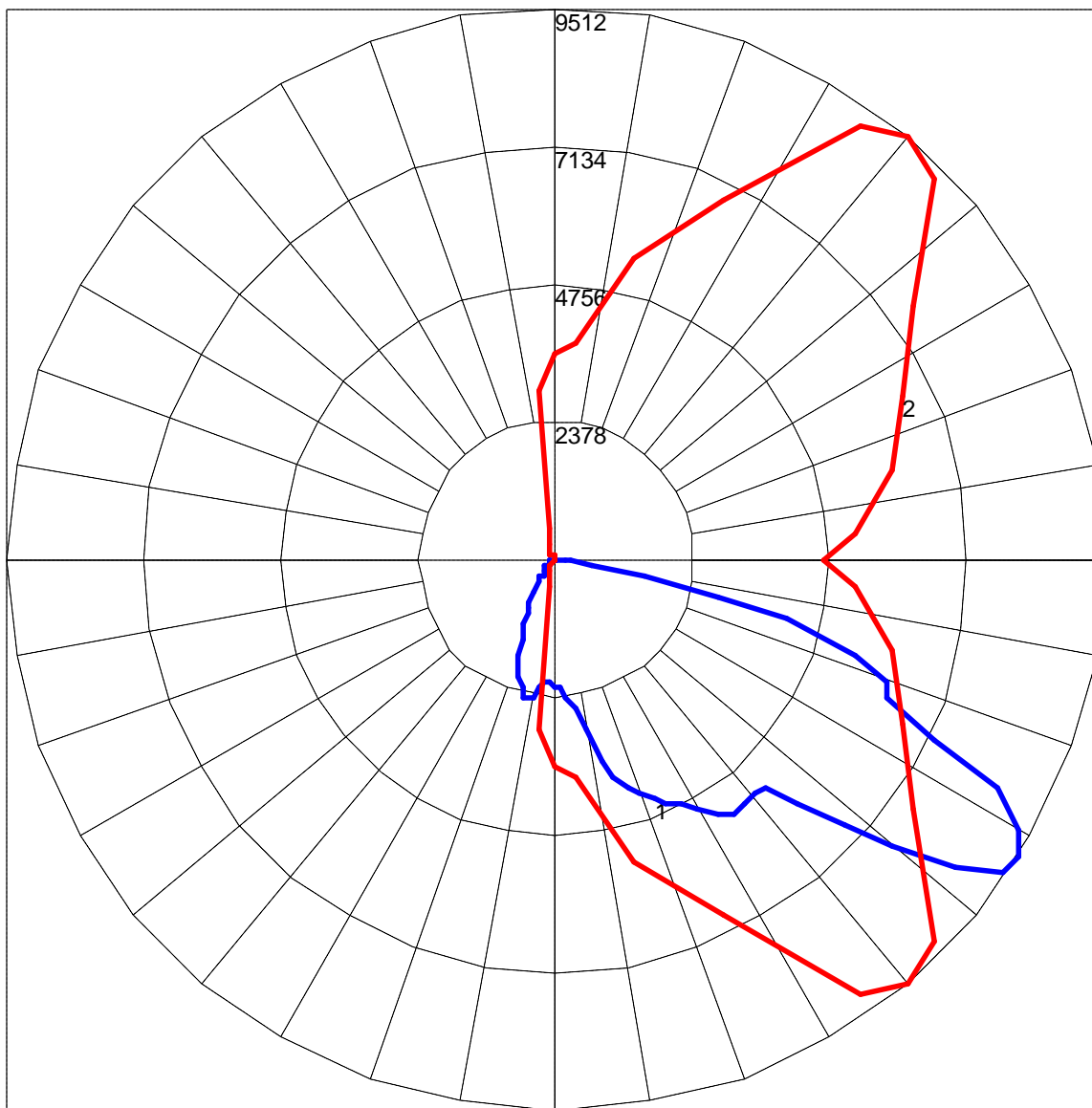
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

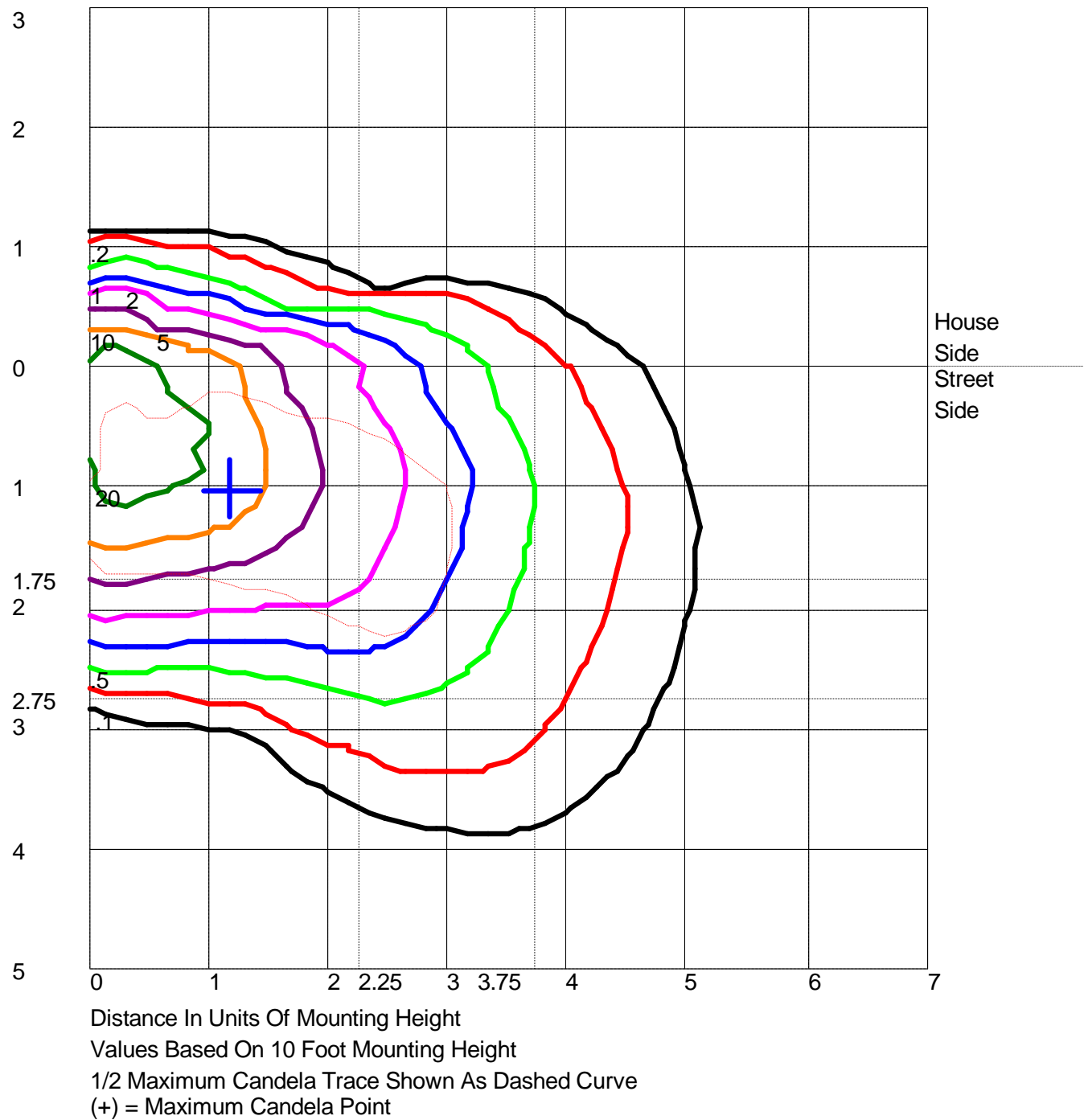
| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 12115.2 | 86.9 |
| Downward House Side | 1826.2 | 13.1 |
| Downward Total | 13941.4 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 13941.4 | 100.0 |

POLAR GRAPH

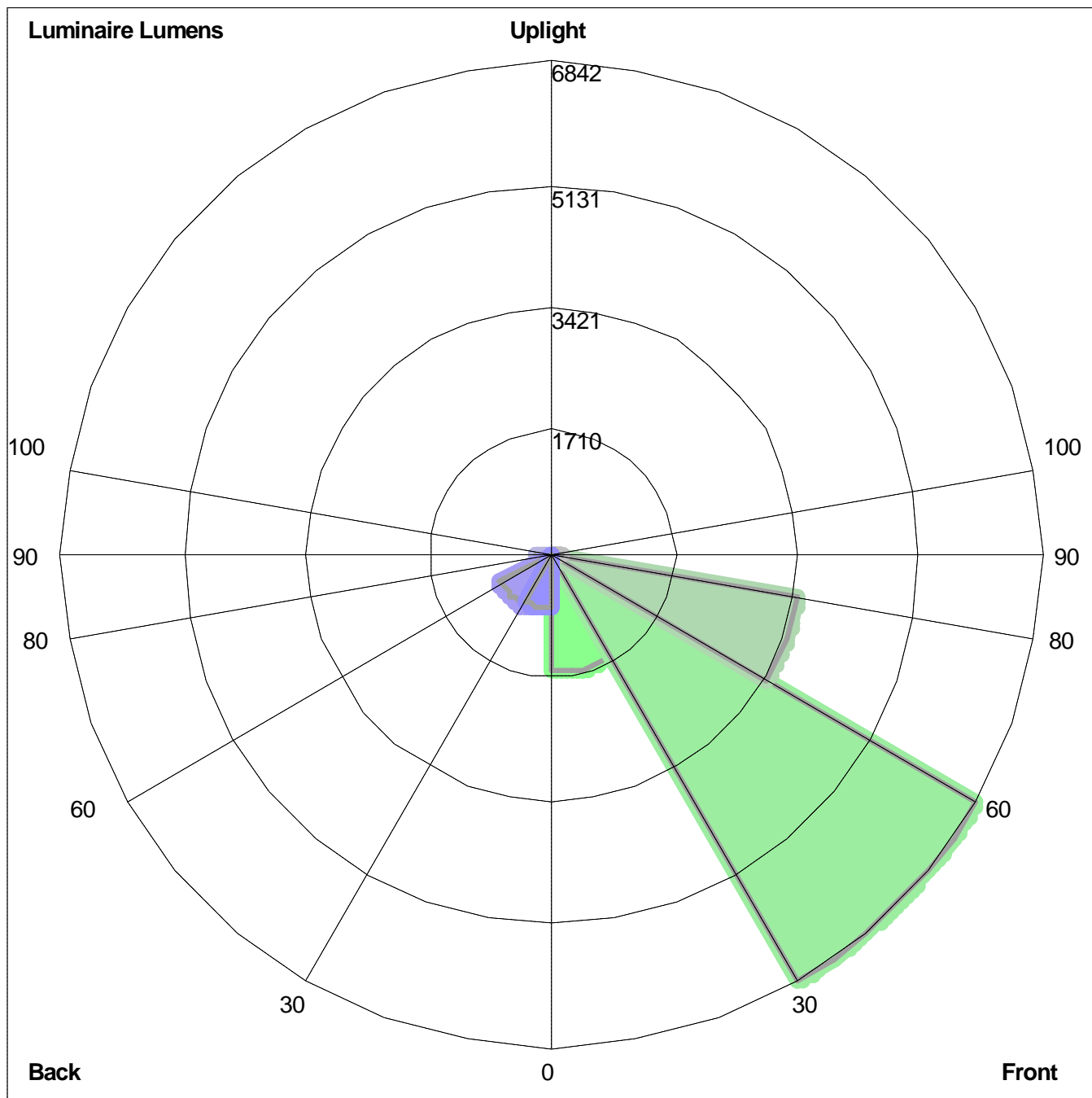


Maximum Candela = 9512 Located At Horizontal Angle = 50, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1649.4, Medium=6841.6, High=3472.7, Very High=151.6
Back: Low=758.3, Medium=819.7, High=240.3, Very High=7.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2