



IES ROAD REPORT
PHOTOMETRIC FILENAME : VALS-27L-LC-30K8-IS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-15003
[TESTLAB] LSI INDUSTRIES, INC.
[TESTDATE] 08/22/24
[ISSUEDATE] 09/23/24
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] VALS-27L-LC-30K8-IS
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[TEST PROCEDURE] IESNA LM-79-19
[FACTORED] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 3000

CHARACTERISTICS

| | |
|-------------------------------------------------|--------------------------------|
| IES Classification | N.A. |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 11072 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 62 |
| Total Luminaire Watts | 178 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 15631 |
| Maximum Candela Angle | 45H 75V |
| Maximum Candela (<90 Degrees Vertical) | 15631 |
| Maximum Candela Angle (<90 Degrees Vertical) | 45H 75V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 10698 (96.6% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 486.2 | N.A. | 4.4 |
| FM - Front-Medium (30-60) | 3694.2 | N.A. | 33.4 |
| FH - Front-High (60-80) | 5425.8 | N.A. | 49.0 |
| FVH - Front-Very High (80-90) | 540.3 | N.A. | 4.9 |
| BL - Back-Low (0-30) | 113.0 | N.A. | 1.0 |
| BM - Back-Medium (30-60) | 435.9 | N.A. | 3.9 |
| BH - Back-High (60-80) | 365.5 | N.A. | 3.3 |
| BVH - Back-Very High (80-90) | 11.0 | 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 | 11071.9 | N.A. | 100.0 |
| BUG Rating | B1-U0-G4 | | |

IES ROAD REPORT
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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | <u>0.0</u> | <u>2.5</u> | <u>5.0</u> | <u>15.0</u> | <u>25.0</u> | <u>35.0</u> | <u>45.0</u> | <u>55.0</u> | <u>65.0</u> | <u>75.0</u> |
| 0.0 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 2.5 | 165 | 168 | 167 | 172 | 189 | 193 | 196 | 194 | 208 | 207 |
| 5.0 | 311 | 331 | 337 | 388 | 447 | 468 | 477 | 494 | 480 | 448 |
| 7.5 | 532 | 557 | 571 | 635 | 688 | 709 | 719 | 726 | 717 | 687 |
| 10.0 | 716 | 741 | 755 | 817 | 865 | 890 | 906 | 918 | 900 | 867 |
| 12.5 | 873 | 898 | 914 | 1014 | 1057 | 1083 | 1107 | 1128 | 1116 | 1082 |
| 15.0 | 1030 | 1065 | 1089 | 1176 | 1225 | 1272 | 1309 | 1334 | 1315 | 1273 |
| 17.5 | 1181 | 1209 | 1231 | 1370 | 1465 | 1544 | 1633 | 1630 | 1592 | 1507 |
| 20.0 | 1325 | 1370 | 1432 | 1639 | 1794 | 1898 | 2008 | 2007 | 1945 | 1809 |
| 22.5 | 1523 | 1575 | 1673 | 1981 | 2190 | 2349 | 2425 | 2419 | 2344 | 2163 |
| 25.0 | 1751 | 1832 | 1964 | 2362 | 2606 | 2771 | 2846 | 2834 | 2750 | 2582 |
| 27.5 | 2001 | 2140 | 2274 | 2750 | 3012 | 3177 | 3248 | 3229 | 3181 | 2974 |
| 30.0 | 2269 | 2441 | 2604 | 3128 | 3401 | 3591 | 3654 | 3620 | 3564 | 3361 |
| 32.5 | 2556 | 2761 | 2951 | 3507 | 3802 | 4010 | 4089 | 4036 | 3939 | 3735 |
| 35.0 | 2855 | 3093 | 3303 | 3908 | 4258 | 4433 | 4552 | 4463 | 4310 | 4092 |
| 37.5 | 3170 | 3437 | 3667 | 4318 | 4695 | 4871 | 5029 | 4948 | 4718 | 4460 |
| 40.0 | 3496 | 3799 | 4046 | 4750 | 5150 | 5313 | 5476 | 5372 | 5145 | 4854 |
| 42.5 | 3842 | 4182 | 4446 | 5233 | 5592 | 5756 | 5873 | 5791 | 5568 | 5270 |
| 45.0 | 4204 | 4582 | 4862 | 5670 | 6019 | 6164 | 6232 | 6187 | 5980 | 5692 |
| 47.5 | 4577 | 4987 | 5317 | 6072 | 6382 | 6499 | 6605 | 6541 | 6382 | 6122 |
| 50.0 | 4962 | 5392 | 5723 | 6419 | 6646 | 6811 | 6904 | 6884 | 6739 | 6505 |
| 52.5 | 5409 | 5804 | 6127 | 6705 | 6821 | 7024 | 7176 | 7178 | 7007 | 6833 |
| 55.0 | 5907 | 6304 | 6618 | 6979 | 7010 | 7228 | 7495 | 7463 | 7225 | 7182 |
| 57.5 | 6604 | 7146 | 7392 | 7448 | 7213 | 7517 | 7887 | 7792 | 7487 | 7711 |
| 60.0 | 7525 | 8186 | 8456 | 8404 | 7576 | 7894 | 8357 | 8194 | 7802 | 8540 |
| 62.5 | 8263 | 9087 | 9460 | 9560 | 8402 | 8332 | 8841 | 8635 | 8411 | 9901 |
| 65.0 | 8807 | 9936 | 10421 | 10681 | 9459 | 9006 | 9370 | 9155 | 9355 | 11475 |
| 67.5 | 10347 | 12065 | 12641 | 12525 | 10741 | 9893 | 9896 | 10004 | 10632 | 12712 |
| 70.0 | 9982 | 12247 | 13820 | 15343 | 12905 | 11550 | 11556 | 11913 | 11766 | 12343 |
| 72.5 | 7430 | 9784 | 11293 | 14275 | 14518 | 14948 | 13837 | 14432 | 10931 | 10555 |
| 75.0 | 4231 | 6337 | 7572 | 11148 | 12357 | 15341 | 15631 | 14704 | 9149 | 7164 |
| 77.5 | 1955 | 2794 | 3613 | 7080 | 9183 | 12799 | 14346 | 12491 | 6015 | 3729 |
| 80.0 | 1059 | 1482 | 1852 | 3797 | 5747 | 9561 | 10698 | 8481 | 3345 | 1810 |
| 82.5 | 573 | 720 | 897 | 1914 | 2939 | 5796 | 6537 | 5088 | 2296 | 1066 |
| 85.0 | 182 | 239 | 318 | 931 | 1622 | 2753 | 3675 | 2981 | 1496 | 512 |
| 87.5 | 68 | 92 | 132 | 405 | 771 | 1223 | 1473 | 960 | 599 | 214 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | <u>85.0</u> | <u>90.0</u> | <u>95.0</u> | <u>105.0</u> | <u>115.0</u> | <u>125.0</u> | <u>135.0</u> | <u>145.0</u> | <u>155.0</u> | <u>165.0</u> |
| 0.0 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 2.5 | 203 | 200 | 198 | 194 | 189 | 181 | 174 | 170 | 164 | 160 |
| 5.0 | 400 | 365 | 333 | 273 | 226 | 189 | 174 | 167 | 161 | 156 |
| 7.5 | 636 | 594 | 549 | 436 | 312 | 207 | 173 | 165 | 158 | 151 |
| 10.0 | 810 | 767 | 736 | 613 | 428 | 238 | 172 | 161 | 152 | 144 |
| 12.5 | 995 | 957 | 896 | 749 | 542 | 280 | 171 | 157 | 146 | 137 |
| 15.0 | 1203 | 1165 | 1081 | 879 | 635 | 324 | 166 | 151 | 139 | 129 |
| 17.5 | 1387 | 1335 | 1258 | 1002 | 705 | 360 | 162 | 145 | 132 | 123 |
| 20.0 | 1612 | 1525 | 1410 | 1120 | 735 | 373 | 157 | 139 | 125 | 116 |
| 22.5 | 1924 | 1759 | 1579 | 1182 | 718 | 352 | 152 | 135 | 120 | 108 |
| 25.0 | 2248 | 2034 | 1780 | 1207 | 662 | 300 | 151 | 130 | 115 | 100 |
| 27.5 | 2587 | 2323 | 2000 | 1212 | 575 | 241 | 149 | 126 | 109 | 92 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------|-------|-------|------|------|-----|-----|-----|-----|-----|----|
| 30.0 | 2935 | 2619 | 2218 | 1201 | 476 | 198 | 146 | 123 | 102 | 85 |
| 32.5 | 3286 | 2922 | 2437 | 1190 | 384 | 182 | 137 | 116 | 95 | 81 |
| 35.0 | 3627 | 3228 | 2659 | 1181 | 300 | 168 | 130 | 109 | 89 | 77 |
| 37.5 | 3968 | 3549 | 2894 | 1171 | 246 | 156 | 124 | 104 | 85 | 74 |
| 40.0 | 4333 | 3887 | 3142 | 1160 | 211 | 151 | 123 | 99 | 81 | 72 |
| 42.5 | 4720 | 4249 | 3439 | 1140 | 191 | 150 | 124 | 96 | 78 | 70 |
| 45.0 | 5140 | 4649 | 3743 | 1123 | 180 | 149 | 123 | 95 | 75 | 68 |
| 47.5 | 5581 | 5137 | 4086 | 1126 | 176 | 150 | 122 | 94 | 75 | 67 |
| 50.0 | 6072 | 5616 | 4462 | 1153 | 184 | 150 | 121 | 94 | 76 | 66 |
| 52.5 | 6555 | 6142 | 4891 | 1184 | 206 | 152 | 120 | 95 | 77 | 64 |
| 55.0 | 7199 | 6887 | 5482 | 1210 | 226 | 157 | 119 | 95 | 77 | 63 |
| 57.5 | 8144 | 7960 | 6253 | 1188 | 231 | 163 | 120 | 95 | 78 | 61 |
| 60.0 | 9601 | 9465 | 7255 | 1063 | 226 | 170 | 117 | 95 | 78 | 59 |
| 62.5 | 11143 | 10859 | 7948 | 834 | 211 | 165 | 111 | 95 | 77 | 56 |
| 65.0 | 12349 | 11805 | 8234 | 622 | 190 | 152 | 105 | 93 | 74 | 52 |
| 67.5 | 12958 | 11952 | 7808 | 404 | 152 | 135 | 100 | 90 | 66 | 46 |
| 70.0 | 11822 | 9785 | 5650 | 278 | 122 | 120 | 95 | 88 | 58 | 39 |
| 72.5 | 7744 | 5929 | 3063 | 258 | 105 | 103 | 92 | 82 | 49 | 33 |
| 75.0 | 4449 | 3168 | 1545 | 205 | 88 | 91 | 90 | 77 | 41 | 29 |
| 77.5 | 1978 | 1418 | 770 | 105 | 75 | 81 | 73 | 47 | 36 | 25 |
| 80.0 | 867 | 592 | 367 | 75 | 62 | 63 | 39 | 36 | 30 | 21 |
| 82.5 | 514 | 263 | 154 | 60 | 54 | 39 | 31 | 28 | 22 | 16 |
| 85.0 | 257 | 136 | 75 | 40 | 35 | 29 | 23 | 19 | 17 | 12 |
| 87.5 | 86 | 39 | 31 | 27 | 25 | 21 | 17 | 13 | 11 | 11 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | <u>175.0</u> | <u>180.0</u> | <u>185.0</u> | <u>195.0</u> | <u>205.0</u> | <u>215.0</u> | <u>225.0</u> | <u>235.0</u> | <u>245.0</u> | <u>255.0</u> |
| 0.0 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 2.5 | 158 | 155 | 152 | 148 | 146 | 146 | 148 | 149 | 150 | 151 |
| 5.0 | 152 | 150 | 146 | 142 | 139 | 139 | 141 | 143 | 144 | 146 |
| 7.5 | 146 | 143 | 139 | 135 | 132 | 131 | 132 | 133 | 137 | 140 |
| 10.0 | 137 | 135 | 131 | 127 | 123 | 122 | 121 | 123 | 126 | 130 |
| 12.5 | 130 | 126 | 123 | 117 | 112 | 110 | 109 | 111 | 116 | 119 |
| 15.0 | 122 | 117 | 114 | 106 | 101 | 100 | 100 | 102 | 104 | 108 |
| 17.5 | 113 | 108 | 103 | 95 | 90 | 91 | 92 | 93 | 94 | 96 |
| 20.0 | 103 | 98 | 93 | 86 | 82 | 84 | 88 | 88 | 86 | 87 |
| 22.5 | 95 | 89 | 85 | 79 | 76 | 79 | 81 | 81 | 80 | 80 |
| 25.0 | 87 | 83 | 79 | 74 | 71 | 73 | 74 | 75 | 74 | 74 |
| 27.5 | 81 | 78 | 75 | 71 | 67 | 66 | 67 | 68 | 70 | 71 |
| 30.0 | 77 | 74 | 73 | 68 | 64 | 60 | 58 | 61 | 67 | 68 |
| 32.5 | 74 | 71 | 69 | 65 | 60 | 54 | 52 | 56 | 63 | 66 |
| 35.0 | 70 | 67 | 66 | 60 | 53 | 49 | 48 | 52 | 58 | 63 |
| 37.5 | 68 | 65 | 61 | 55 | 47 | 44 | 44 | 46 | 53 | 59 |
| 40.0 | 66 | 62 | 58 | 50 | 42 | 39 | 40 | 42 | 47 | 54 |
| 42.5 | 63 | 60 | 55 | 46 | 38 | 35 | 35 | 38 | 43 | 51 |
| 45.0 | 61 | 57 | 52 | 41 | 34 | 31 | 32 | 34 | 39 | 46 |
| 47.5 | 59 | 53 | 47 | 38 | 31 | 27 | 27 | 31 | 36 | 42 |
| 50.0 | 55 | 50 | 45 | 35 | 27 | 24 | 24 | 27 | 32 | 39 |
| 52.5 | 53 | 47 | 42 | 32 | 25 | 22 | 22 | 25 | 31 | 36 |
| 55.0 | 50 | 46 | 39 | 30 | 23 | 19 | 20 | 24 | 29 | 34 |
| 57.5 | 47 | 42 | 37 | 27 | 20 | 17 | 18 | 21 | 26 | 32 |
| 60.0 | 43 | 37 | 32 | 24 | 17 | 14 | 14 | 18 | 23 | 29 |
| 62.5 | 38 | 32 | 26 | 18 | 12 | 10 | 10 | 13 | 18 | 24 |
| 65.0 | 32 | 26 | 22 | 14 | 8 | 5 | 5 | 7 | 11 | 16 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|---|---|
| 67.5 | 26 | 21 | 17 | 10 | 4 | 2 | 2 | 4 | 5 | 9 |
| 70.0 | 21 | 16 | 12 | 7 | 2 | 0 | 0 | 0 | 2 | 4 |
| 72.5 | 17 | 12 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75.0 | 15 | 11 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5 | 13 | 10 | 8 | 4 | 2 | 0 | 0 | 0 | 0 | 0 |
| 80.0 | 11 | 10 | 10 | 10 | 9 | 11 | 11 | 11 | 5 | 3 |
| 82.5 | 11 | 9 | 9 | 8 | 7 | 6 | 6 | 5 | 3 | 0 |
| 85.0 | 10 | 10 | 10 | 10 | 9 | 8 | 7 | 5 | 3 | 0 |
| 87.5 | 10 | 11 | 11 | 11 | 10 | 9 | 8 | 5 | 3 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | <u>265.0</u> | <u>270.0</u> | <u>275.0</u> | <u>285.0</u> | <u>295.0</u> | <u>305.0</u> | <u>315.0</u> | <u>325.0</u> | <u>335.0</u> | <u>345.0</u> |
| 0.0 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 2.5 | 151 | 152 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 154 |
| 5.0 | 149 | 150 | 150 | 151 | 151 | 151 | 151 | 155 | 172 | 213 |
| 7.5 | 143 | 144 | 144 | 146 | 148 | 149 | 151 | 160 | 223 | 344 |
| 10.0 | 134 | 137 | 137 | 141 | 144 | 145 | 149 | 169 | 305 | 501 |
| 12.5 | 125 | 128 | 129 | 132 | 137 | 141 | 146 | 181 | 399 | 650 |
| 15.0 | 114 | 117 | 119 | 124 | 129 | 135 | 142 | 195 | 496 | 787 |
| 17.5 | 102 | 107 | 109 | 116 | 122 | 129 | 137 | 211 | 576 | 914 |
| 20.0 | 91 | 95 | 98 | 108 | 114 | 123 | 133 | 221 | 612 | 1006 |
| 22.5 | 83 | 85 | 88 | 99 | 108 | 116 | 130 | 219 | 598 | 1087 |
| 25.0 | 77 | 80 | 81 | 90 | 102 | 112 | 128 | 202 | 543 | 1093 |
| 27.5 | 74 | 75 | 77 | 83 | 95 | 108 | 127 | 179 | 457 | 1052 |
| 30.0 | 70 | 72 | 74 | 78 | 88 | 102 | 126 | 162 | 354 | 991 |
| 32.5 | 68 | 69 | 71 | 74 | 81 | 95 | 122 | 154 | 260 | 921 |
| 35.0 | 66 | 67 | 68 | 71 | 76 | 88 | 113 | 147 | 196 | 843 |
| 37.5 | 63 | 65 | 66 | 68 | 72 | 83 | 105 | 135 | 159 | 756 |
| 40.0 | 60 | 62 | 63 | 66 | 68 | 78 | 98 | 123 | 143 | 677 |
| 42.5 | 56 | 59 | 61 | 64 | 66 | 74 | 94 | 116 | 137 | 620 |
| 45.0 | 53 | 55 | 58 | 61 | 63 | 70 | 88 | 112 | 132 | 593 |
| 47.5 | 49 | 52 | 54 | 59 | 61 | 67 | 85 | 109 | 131 | 583 |
| 50.0 | 46 | 49 | 51 | 57 | 60 | 66 | 81 | 105 | 139 | 571 |
| 52.5 | 43 | 46 | 49 | 55 | 60 | 67 | 79 | 103 | 148 | 549 |
| 55.0 | 41 | 45 | 46 | 53 | 61 | 67 | 78 | 102 | 149 | 506 |
| 57.5 | 39 | 41 | 44 | 52 | 62 | 68 | 78 | 104 | 153 | 439 |
| 60.0 | 35 | 38 | 40 | 48 | 63 | 70 | 79 | 108 | 156 | 352 |
| 62.5 | 29 | 32 | 35 | 44 | 63 | 73 | 80 | 109 | 150 | 285 |
| 65.0 | 22 | 25 | 28 | 39 | 60 | 74 | 81 | 102 | 137 | 253 |
| 67.5 | 12 | 15 | 18 | 32 | 56 | 75 | 81 | 95 | 120 | 247 |
| 70.0 | 6 | 8 | 11 | 26 | 53 | 75 | 81 | 90 | 110 | 234 |
| 72.5 | 2 | 3 | 6 | 23 | 52 | 74 | 79 | 83 | 98 | 210 |
| 75.0 | 0 | 0 | 4 | 19 | 48 | 64 | 75 | 75 | 83 | 130 |
| 77.5 | 0 | 0 | 1 | 13 | 39 | 49 | 60 | 67 | 65 | 79 |
| 80.0 | 1 | 0 | 1 | 8 | 27 | 33 | 39 | 53 | 49 | 62 |
| 82.5 | 0 | 0 | 0 | 4 | 18 | 22 | 24 | 31 | 38 | 47 |
| 85.0 | 0 | 0 | 0 | 0 | 9 | 11 | 14 | 18 | 28 | 32 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 7 | 20 | 11 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

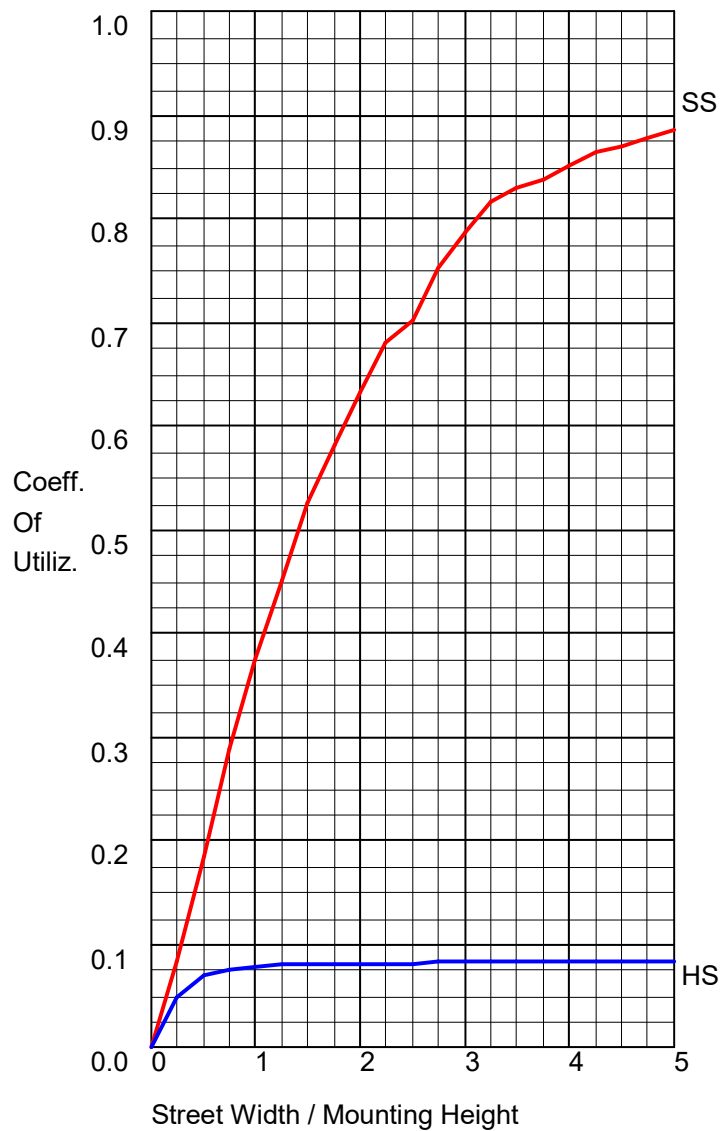
| Vert. Angles | Horizontal Angles | | |
|-----------------|-------------------|--------------|--------------|
| | <u>355.0</u> | <u>357.5</u> | <u>360.0</u> |
| 0.0 | 163 | 163 | 163 |

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CANDELA TABULATION - (Cont.)

| | | | |
|-------------|------|------|-------|
| 2.5 | 158 | 164 | 165 |
| 5.0 | 269 | 296 | 311 |
| 7.5 | 466 | 507 | 532 |
| 10.0 | 650 | 690 | 716 |
| 12.5 | 824 | 848 | 873 |
| 15.0 | 968 | 995 | 1030 |
| 17.5 | 1126 | 1156 | 1181 |
| 20.0 | 1248 | 1284 | 1325 |
| 22.5 | 1377 | 1436 | 1523 |
| 25.0 | 1525 | 1622 | 1751 |
| 27.5 | 1695 | 1837 | 2001 |
| 30.0 | 1874 | 2056 | 2269 |
| 32.5 | 2058 | 2319 | 2556 |
| 35.0 | 2249 | 2568 | 2855 |
| 37.5 | 2447 | 2832 | 3170 |
| 40.0 | 2646 | 3104 | 3496 |
| 42.5 | 2848 | 3388 | 3842 |
| 45.0 | 3087 | 3686 | 4204 |
| 47.5 | 3310 | 3990 | 4577 |
| 50.0 | 3527 | 4308 | 4962 |
| 52.5 | 3738 | 4635 | 5409 |
| 55.0 | 3984 | 5014 | 5907 |
| 57.5 | 4296 | 5569 | 6604 |
| 60.0 | 4642 | 6205 | 7525 |
| 62.5 | 4848 | 6666 | 8263 |
| 65.0 | 4886 | 6895 | 8807 |
| 67.5 | 5202 | 7732 | 10347 |
| 70.0 | 4183 | 6943 | 9982 |
| 72.5 | 2462 | 4758 | 7430 |
| 75.0 | 1236 | 2633 | 4231 |
| 77.5 | 649 | 1227 | 1955 |
| 80.0 | 431 | 698 | 1059 |
| 82.5 | 335 | 424 | 573 |
| 85.0 | 187 | 135 | 182 |
| 87.5 | 44 | 48 | 68 |
| 90.0 | 0 | 0 | 0 |

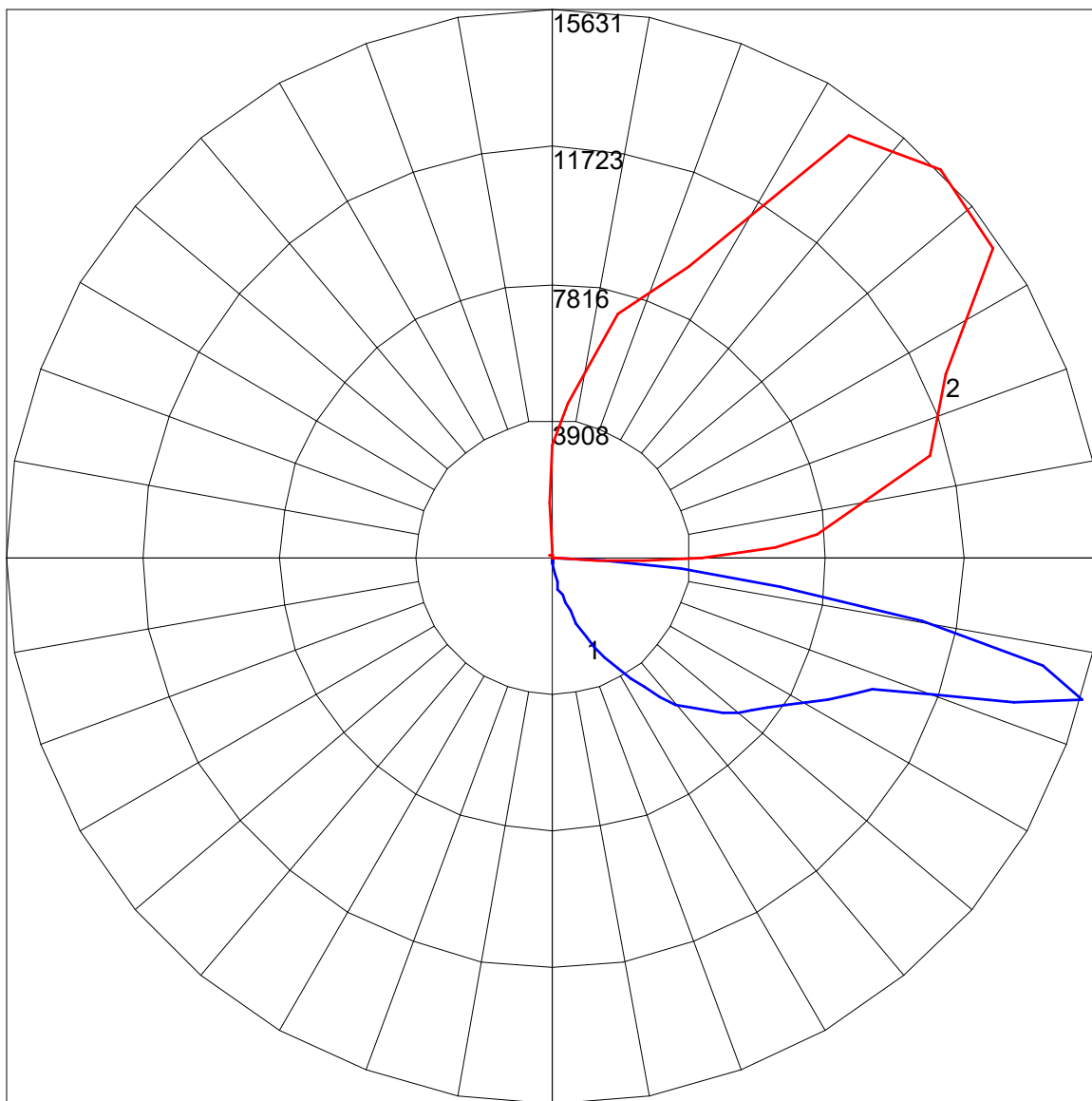
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

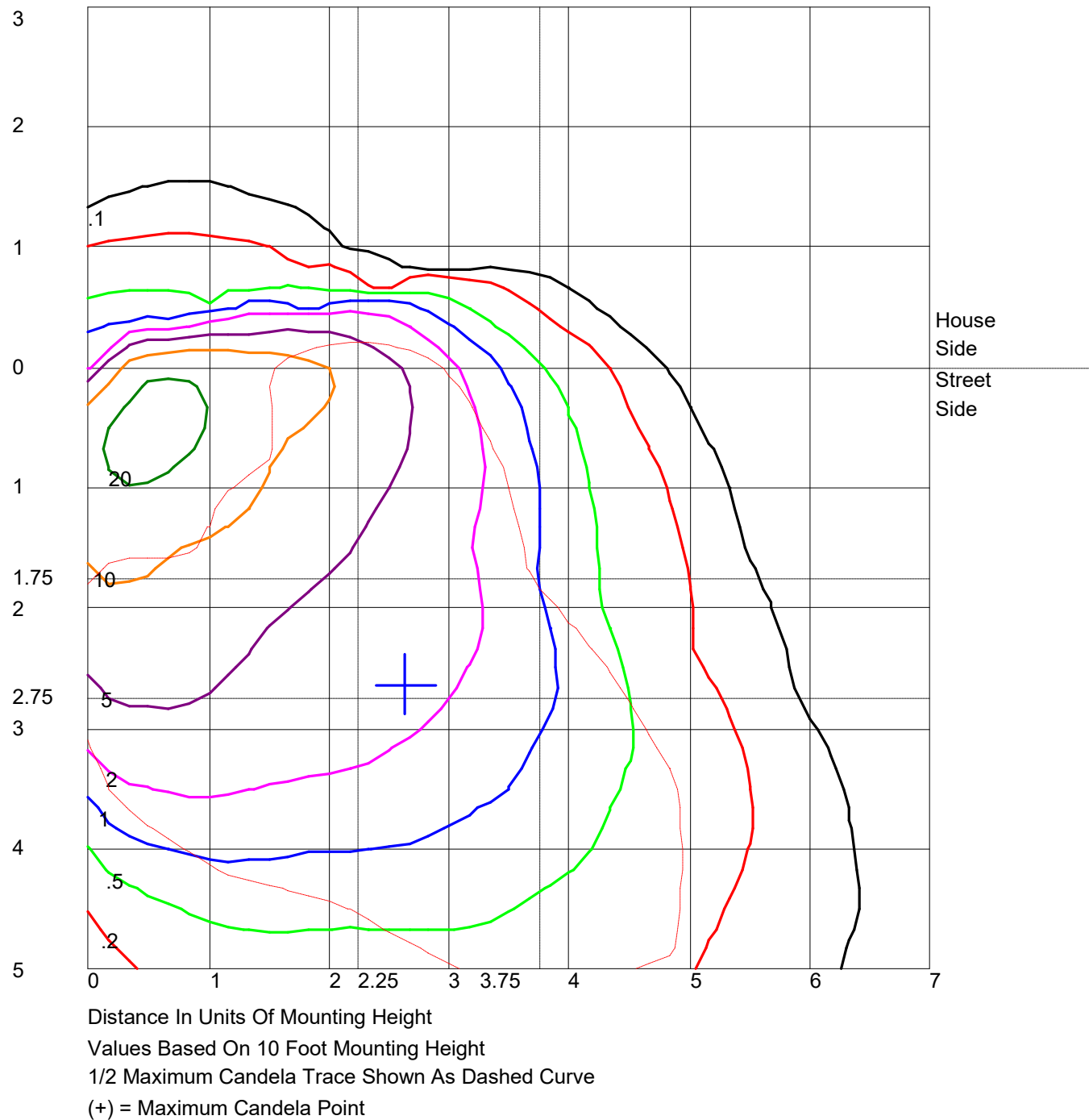
| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 10146.5 | 91.6 |
| Downward House Side | 925.3 | 8.4 |
| Downward Total | 11071.8 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 11071.8 | 100.0 |

POLAR GRAPH

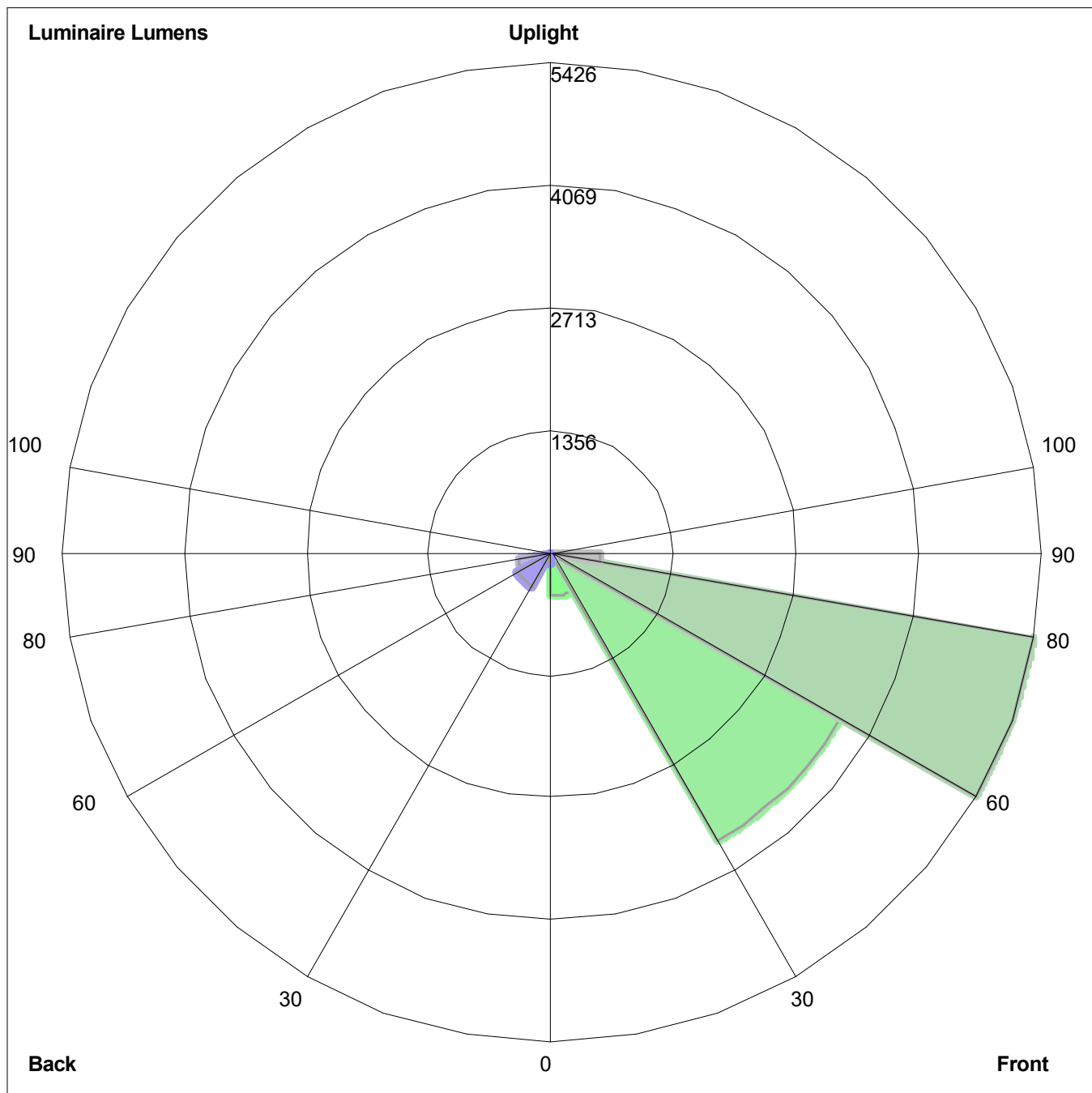


Maximum Candela = 15631 Located At Horizontal Angle = 45, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=486.2, Medium=3694.2, High=5425.8, Very High=540.3
Back: Low=113.0, Medium=435.9, High=365.5, Very High=11.0
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G4