



IES ROAD REPORT

PHOTOMETRIC FILENAME : XCN4-PT-2-LED-18L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13253
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/07/22
[TEST DATE] 02/10/22
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] XCN4-PT-2-LED-18L-30
[OTHER] TEST PROCEDURE: IESNA LM-79-19
[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 II |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 17729 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 119 |
| Total Luminaire Watts | 149 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 14328 |
| Maximum Candela Angle | 77.5H 65V |
| Maximum Candela (<90 Degrees Vertical) | 14328 |
| Maximum Candela Angle (<90 Degrees Vertical) | 77.5H 65V |
| Maximum Candela At 90 Degrees Vertical | 28 (0.2% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 937 (5.3% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1017.4 | N.A. | 5.7 |
| FM - Front-Medium (30-60) | 6873.9 | N.A. | 38.8 |
| FH - Front-High (60-80) | 3516.6 | N.A. | 19.8 |
| FVH - Front-Very High (80-90) | 91.2 | N.A. | 0.5 |
| BL - Back-Low (0-30) | 893.5 | N.A. | 5.0 |
| BM - Back-Medium (30-60) | 3840.3 | N.A. | 21.7 |
| BH - Back-High (60-80) | 1345.2 | N.A. | 7.6 |
| BVH - Back-Very High (80-90) | 134.0 | N.A. | 0.8 |
| UL - Uplight-Low (90-100) | 7.8 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 9.2 | N.A. | 0.1 |
| Total | 17729.1 | N.A. | 100.0 |
| BUG Rating | B3-U1-G3 | | |

IES ROAD REPORT
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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 | 77.5 |
| 0.0 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 |
| 2.5 | 1661 | 1643 | 1627 | 1598 | 1571 | 1548 | 1533 | 1514 | 1516 | 1516 |
| 5.0 | 1581 | 1586 | 1565 | 1558 | 1602 | 1636 | 1624 | 1614 | 1534 | 1526 |
| 7.5 | 1602 | 1596 | 1577 | 1602 | 1547 | 1553 | 1551 | 1665 | 1597 | 1567 |
| 10.0 | 1689 | 1671 | 1710 | 1666 | 1644 | 1633 | 1611 | 1658 | 1762 | 1722 |
| 12.5 | 1766 | 1784 | 1784 | 1759 | 1752 | 1786 | 1720 | 1757 | 1824 | 1854 |
| 15.0 | 1931 | 1927 | 1961 | 1915 | 1866 | 1897 | 1934 | 1893 | 2002 | 2040 |
| 17.5 | 2101 | 2055 | 2091 | 2069 | 2108 | 2066 | 2106 | 2138 | 2172 | 2224 |
| 20.0 | 2337 | 2317 | 2252 | 2194 | 2262 | 2313 | 2321 | 2388 | 2427 | 2444 |
| 22.5 | 2468 | 2454 | 2450 | 2450 | 2389 | 2492 | 2551 | 2652 | 2652 | 2700 |
| 25.0 | 2740 | 2756 | 2712 | 2620 | 2650 | 2669 | 2841 | 2972 | 3017 | 3056 |
| 27.5 | 2974 | 2995 | 2974 | 2955 | 2845 | 2952 | 3066 | 3280 | 3416 | 3466 |
| 30.0 | 3334 | 3364 | 3295 | 3202 | 3206 | 3196 | 3292 | 3628 | 3832 | 3877 |
| 32.5 | 3599 | 3638 | 3661 | 3656 | 3501 | 3521 | 3588 | 3946 | 4223 | 4228 |
| 35.0 | 4017 | 4023 | 4038 | 4009 | 3904 | 3857 | 3905 | 4188 | 4553 | 4571 |
| 37.5 | 4523 | 4560 | 4533 | 4461 | 4315 | 4219 | 4182 | 4447 | 4944 | 4968 |
| 40.0 | 5123 | 5168 | 5164 | 5042 | 4868 | 4680 | 4560 | 4629 | 5328 | 5371 |
| 42.5 | 5741 | 5797 | 5814 | 5775 | 5552 | 5257 | 4992 | 4853 | 5694 | 5775 |
| 45.0 | 6221 | 6285 | 6361 | 6496 | 6315 | 5986 | 5535 | 5092 | 6060 | 6208 |
| 47.5 | 6393 | 6455 | 6625 | 6910 | 6967 | 6857 | 6336 | 5460 | 6488 | 6731 |
| 50.0 | 6199 | 6248 | 6454 | 6897 | 7321 | 7731 | 7431 | 6087 | 7082 | 7410 |
| 52.5 | 5632 | 5631 | 5881 | 6423 | 7175 | 8279 | 8668 | 6986 | 7925 | 8429 |
| 55.0 | 4706 | 4672 | 4914 | 5514 | 6488 | 8247 | 9923 | 8147 | 8946 | 9605 |
| 57.5 | 3304 | 3391 | 3604 | 4176 | 5259 | 7487 | 10700 | 9706 | 10173 | 10931 |
| 60.0 | 2112 | 2172 | 2302 | 2706 | 3636 | 5900 | 10840 | 11328 | 11462 | 12259 |
| 62.5 | 1430 | 1434 | 1479 | 1695 | 2214 | 3713 | 10079 | 12204 | 12849 | 13596 |
| 65.0 | 1050 | 1054 | 1083 | 1213 | 1420 | 2070 | 8032 | 11996 | 13589 | 14328 |
| 67.5 | 791 | 802 | 829 | 915 | 1075 | 1343 | 5262 | 10452 | 13100 | 13697 |
| 70.0 | 608 | 627 | 634 | 716 | 850 | 991 | 2923 | 7669 | 10663 | 10577 |
| 72.5 | 440 | 464 | 455 | 542 | 674 | 783 | 1581 | 4770 | 6194 | 5509 |
| 75.0 | 262 | 277 | 257 | 340 | 483 | 627 | 979 | 2732 | 2770 | 2227 |
| 77.5 | 188 | 213 | 177 | 208 | 280 | 452 | 643 | 1599 | 1370 | 1067 |
| 80.0 | 184 | 208 | 161 | 158 | 192 | 295 | 400 | 937 | 772 | 612 |
| 82.5 | 220 | 223 | 155 | 120 | 142 | 209 | 220 | 537 | 480 | 395 |
| 85.0 | 214 | 216 | 129 | 86 | 95 | 134 | 140 | 188 | 245 | 217 |
| 87.5 | 108 | 103 | 63 | 36 | 31 | 49 | 58 | 64 | 72 | 75 |
| 90.0 | 5 | 5 | 4 | 3 | 3 | 5 | 12 | 23 | 27 | 28 |
| 92.5 | 3 | 3 | 3 | 3 | 2 | 4 | 10 | 22 | 27 | 27 |
| 95.0 | 3 | 3 | 3 | 3 | 2 | 3 | 9 | 20 | 26 | 26 |
| 97.5 | 3 | 2 | 2 | 3 | 2 | 3 | 7 | 17 | 23 | 23 |
| 100.0 | 3 | 2 | 2 | 3 | 2 | 2 | 5 | 13 | 17 | 18 |
| 102.5 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 12 | 12 |
| 105.0 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 5 | 6 |
| 107.5 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 2 | 2 |
| 110.0 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 112.5 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 115.0 | 3 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 117.5 | 3 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 120.0 | 3 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 122.5 | 3 | 3 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 |
| 125.0 | 4 | 4 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 |
| 127.5 | 4 | 4 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 |
| 130.0 | 5 | 5 | 4 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : XCN4-PT-2-LED-18L-30.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|
| 132.5 | 5 | 5 | 5 | 4 | 2 | 2 | 1 | 0 | 0 | 0 |
| 135.0 | 6 | 5 | 5 | 4 | 3 | 2 | 1 | 0 | 0 | 0 |
| 137.5 | 6 | 6 | 5 | 5 | 3 | 2 | 1 | 1 | 0 | 0 |
| 140.0 | 7 | 7 | 5 | 5 | 3 | 2 | 1 | 1 | 0 | 0 |
| 142.5 | 6 | 6 | 5 | 4 | 3 | 2 | 1 | 1 | 0 | 0 |
| 145.0 | 4 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 147.5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 150.0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152.5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162.5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167.5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170.0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172.5 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175.0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177.5 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180.0 | 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 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 | 1551 |
| 2.5 | 1524 | 1522 | 1519 | 1506 | 1501 | 1487 | 1502 | 1523 | 1528 | 1537 |
| 5.0 | 1516 | 1463 | 1458 | 1474 | 1486 | 1476 | 1526 | 1461 | 1404 | 1379 |
| 7.5 | 1508 | 1506 | 1479 | 1478 | 1509 | 1396 | 1313 | 1289 | 1313 | 1281 |
| 10.0 | 1592 | 1535 | 1520 | 1594 | 1460 | 1353 | 1302 | 1289 | 1287 | 1323 |
| 12.5 | 1767 | 1666 | 1669 | 1655 | 1469 | 1366 | 1376 | 1343 | 1356 | 1393 |
| 15.0 | 1916 | 1810 | 1795 | 1752 | 1505 | 1466 | 1420 | 1443 | 1496 | 1575 |
| 17.5 | 2110 | 2018 | 1962 | 1825 | 1615 | 1534 | 1553 | 1657 | 1731 | 1837 |
| 20.0 | 2366 | 2252 | 2201 | 1941 | 1718 | 1650 | 1732 | 1884 | 1960 | 2117 |
| 22.5 | 2638 | 2544 | 2417 | 2043 | 1810 | 1806 | 1955 | 2118 | 2406 | 2581 |
| 25.0 | 3017 | 2831 | 2741 | 2209 | 1947 | 1999 | 2173 | 2508 | 2759 | 3040 |
| 27.5 | 3390 | 3181 | 3124 | 2395 | 2118 | 2207 | 2535 | 2846 | 3280 | 3534 |
| 30.0 | 3799 | 3550 | 3447 | 2561 | 2309 | 2450 | 2824 | 3278 | 3601 | 3892 |
| 32.5 | 4119 | 3829 | 3676 | 2722 | 2506 | 2684 | 3138 | 3534 | 3982 | 4228 |
| 35.0 | 4476 | 4131 | 3928 | 2856 | 2691 | 2967 | 3349 | 3773 | 4142 | 4312 |
| 37.5 | 4868 | 4459 | 4199 | 3007 | 2836 | 3094 | 3463 | 3856 | 4134 | 4250 |
| 40.0 | 5278 | 4807 | 4481 | 3172 | 2950 | 3193 | 3499 | 3835 | 3983 | 4028 |
| 42.5 | 5744 | 5183 | 4796 | 3321 | 3077 | 3252 | 3438 | 3668 | 3710 | 3662 |
| 45.0 | 6234 | 5614 | 5112 | 3488 | 3142 | 3225 | 3324 | 3409 | 3363 | 3244 |
| 47.5 | 6831 | 6093 | 5445 | 3648 | 3183 | 3160 | 3155 | 3122 | 2963 | 2849 |
| 50.0 | 7602 | 6700 | 5808 | 3792 | 3218 | 3055 | 2947 | 2828 | 2642 | 2533 |
| 52.5 | 8599 | 7349 | 6189 | 3930 | 3232 | 2902 | 2709 | 2608 | 2394 | 2299 |
| 55.0 | 9736 | 8064 | 6509 | 4030 | 3169 | 2698 | 2519 | 2421 | 2155 | 2059 |
| 57.5 | 10947 | 8743 | 6698 | 4045 | 3047 | 2456 | 2325 | 2223 | 1873 | 1779 |
| 60.0 | 12070 | 9223 | 6629 | 3887 | 2839 | 2166 | 2070 | 1956 | 1591 | 1516 |
| 62.5 | 12758 | 9204 | 6112 | 3475 | 2488 | 1829 | 1762 | 1657 | 1319 | 1239 |
| 65.0 | 12636 | 8391 | 4946 | 2807 | 2027 | 1456 | 1415 | 1348 | 1075 | 993 |
| 67.5 | 10917 | 6549 | 3392 | 2000 | 1538 | 1135 | 1133 | 1077 | 880 | 861 |
| 70.0 | 7518 | 4095 | 2076 | 1347 | 1146 | 912 | 935 | 873 | 781 | 791 |
| 72.5 | 3221 | 1991 | 1302 | 945 | 880 | 755 | 791 | 758 | 715 | 726 |
| 75.0 | 1211 | 943 | 863 | 705 | 704 | 648 | 683 | 678 | 629 | 585 |
| 77.5 | 648 | 573 | 603 | 573 | 567 | 566 | 596 | 520 | 404 | 331 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : XCN4-PT-2-LED-18L-30.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 80.0 | 436 | 365 | 377 | 476 | 475 | 479 | 403 | 276 | 349 | 316 |
| 82.5 | 284 | 196 | 207 | 380 | 388 | 300 | 210 | 223 | 426 | 431 |
| 85.0 | 162 | 98 | 113 | 265 | 221 | 155 | 161 | 230 | 460 | 454 |
| 87.5 | 61 | 32 | 48 | 83 | 63 | 73 | 92 | 166 | 326 | 354 |
| 90.0 | 24 | 4 | 16 | 13 | 7 | 4 | 2 | 2 | 1 | 1 |
| 92.5 | 24 | 4 | 17 | 13 | 8 | 4 | 2 | 2 | 1 | 1 |
| 95.0 | 24 | 3 | 18 | 14 | 8 | 4 | 3 | 2 | 1 | 1 |
| 97.5 | 22 | 3 | 17 | 13 | 8 | 4 | 3 | 2 | 1 | 1 |
| 100.0 | 17 | 3 | 14 | 11 | 7 | 4 | 2 | 1 | 1 | 1 |
| 102.5 | 12 | 2 | 11 | 8 | 5 | 4 | 2 | 1 | 1 | 1 |
| 105.0 | 6 | 1 | 6 | 5 | 5 | 3 | 2 | 1 | 1 | 1 |
| 107.5 | 3 | 1 | 4 | 4 | 4 | 3 | 2 | 1 | 1 | 1 |
| 110.0 | 1 | 0 | 2 | 3 | 3 | 3 | 2 | 1 | 1 | 1 |
| 112.5 | 0 | 0 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | 1 |
| 115.0 | 0 | 0 | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 1 |
| 117.5 | 0 | 0 | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 1 |
| 120.0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 2 | 2 | 2 |
| 122.5 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 2 | 2 | 2 |
| 125.0 | 0 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 2 |
| 127.5 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 130.0 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 132.5 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | 3 |
| 135.0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 |
| 137.5 | 0 | 1 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 3 |
| 140.0 | 0 | 1 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 3 |
| 142.5 | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 3 |
| 145.0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 2 | 2 |
| 147.5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 |
| 150.0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| 152.5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| 155.0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 157.5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 160.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 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>175.0</u> | <u>180.0</u> |
|------|--------------|--------------|
| 0.0 | 1551 | 1551 |
| 2.5 | 1537 | 1539 |
| 5.0 | 1403 | 1379 |
| 7.5 | 1274 | 1272 |
| 10.0 | 1281 | 1303 |
| 12.5 | 1406 | 1393 |
| 15.0 | 1588 | 1612 |
| 17.5 | 1840 | 1908 |
| 20.0 | 2274 | 2314 |
| 22.5 | 2685 | 2737 |
| 25.0 | 3242 | 3249 |

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PHOTOMETRIC FILENAME : XCN4-PT-2-LED-18L-30.IES

CANDELA TABULATION - (Cont.)

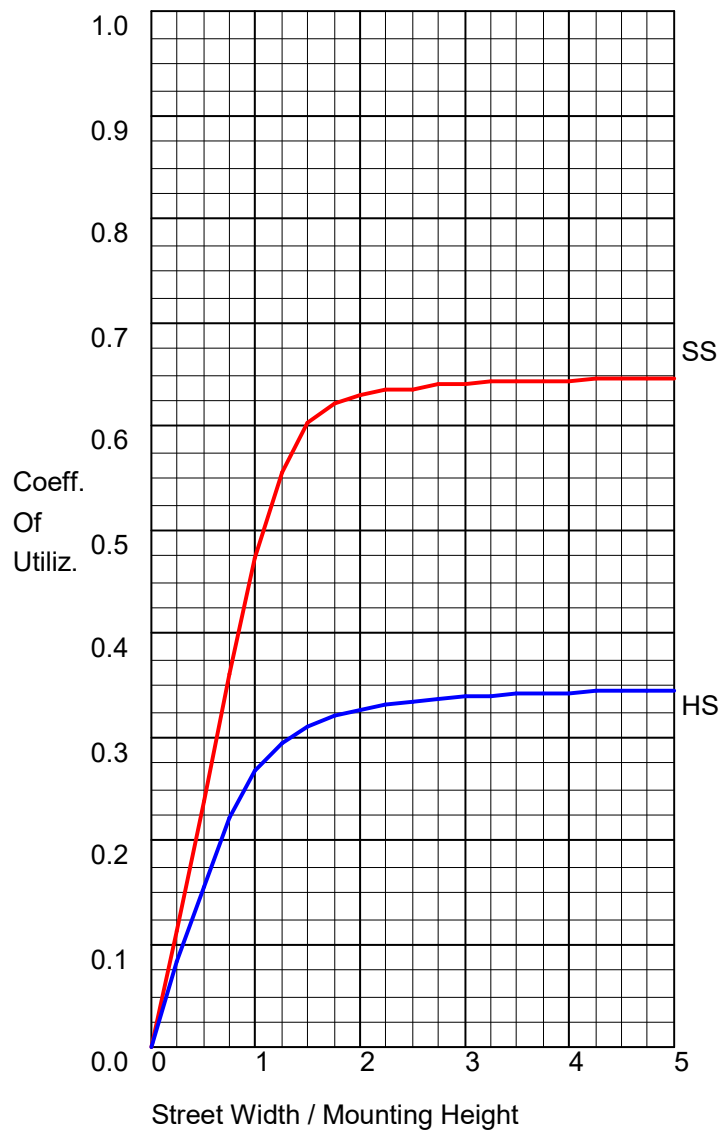
| | | |
|-------|------|------|
| 27.5 | 3655 | 3696 |
| 30.0 | 4099 | 4087 |
| 32.5 | 4290 | 4281 |
| 35.0 | 4337 | 4326 |
| 37.5 | 4228 | 4211 |
| 40.0 | 3964 | 3941 |
| 42.5 | 3585 | 3563 |
| 45.0 | 3155 | 3131 |
| 47.5 | 2766 | 2747 |
| 50.0 | 2474 | 2456 |
| 52.5 | 2243 | 2225 |
| 55.0 | 1977 | 1971 |
| 57.5 | 1713 | 1708 |
| 60.0 | 1452 | 1423 |
| 62.5 | 1178 | 1171 |
| 65.0 | 990 | 1000 |
| 67.5 | 911 | 938 |
| 70.0 | 871 | 916 |
| 72.5 | 812 | 882 |
| 75.0 | 619 | 681 |
| 77.5 | 351 | 411 |
| 80.0 | 353 | 397 |
| 82.5 | 471 | 485 |
| 85.0 | 477 | 485 |
| 87.5 | 294 | 364 |
| 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 | 1 | 0 |
| 125.0 | 1 | 0 |
| 127.5 | 1 | 1 |
| 130.0 | 1 | 1 |
| 132.5 | 2 | 2 |
| 135.0 | 2 | 2 |
| 137.5 | 3 | 3 |
| 140.0 | 3 | 3 |
| 142.5 | 2 | 2 |
| 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 |

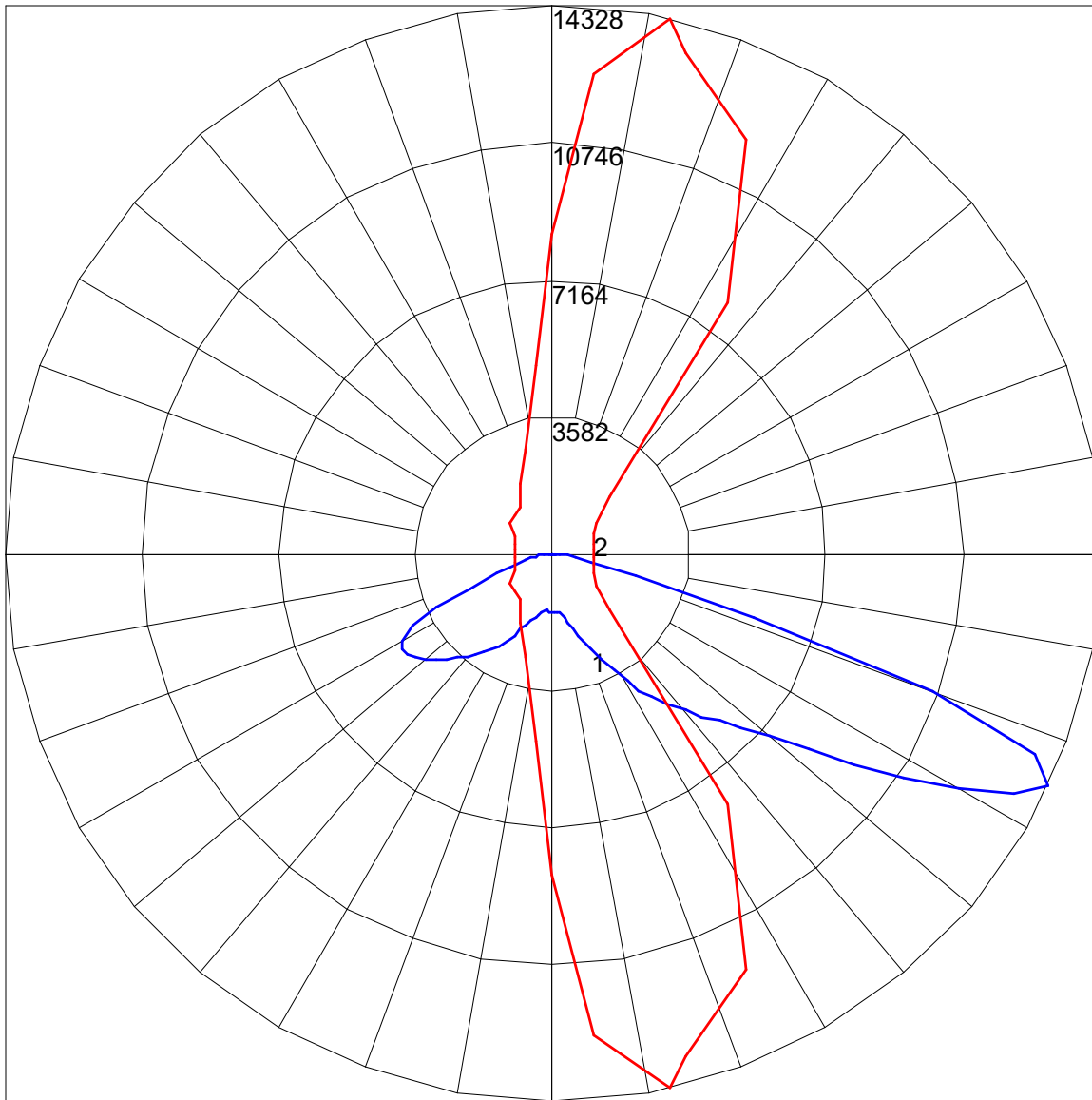
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

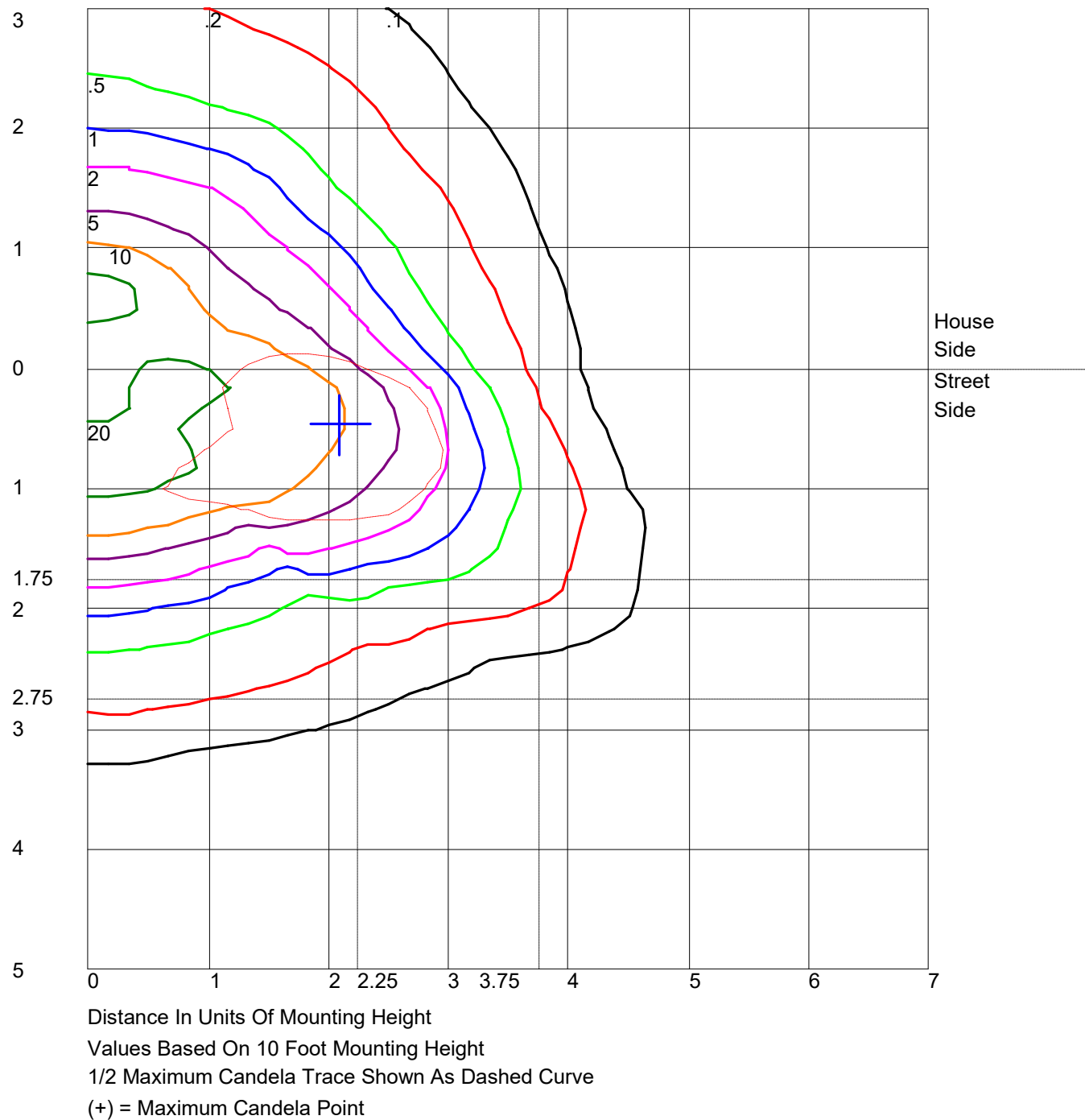
| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 11499.1 | 64.9 |
| Downward House Side | 6213.0 | 35.0 |
| Downward Total | 17712.1 | 99.9 |
| Upward Street Side | 9.1 | 0.1 |
| Upward House Side | 7.9 | 0.0 |
| Upward Total | 17.0 | 0.1 |
| Total Flux | 17729.1 | 100.0 |

POLAR GRAPH

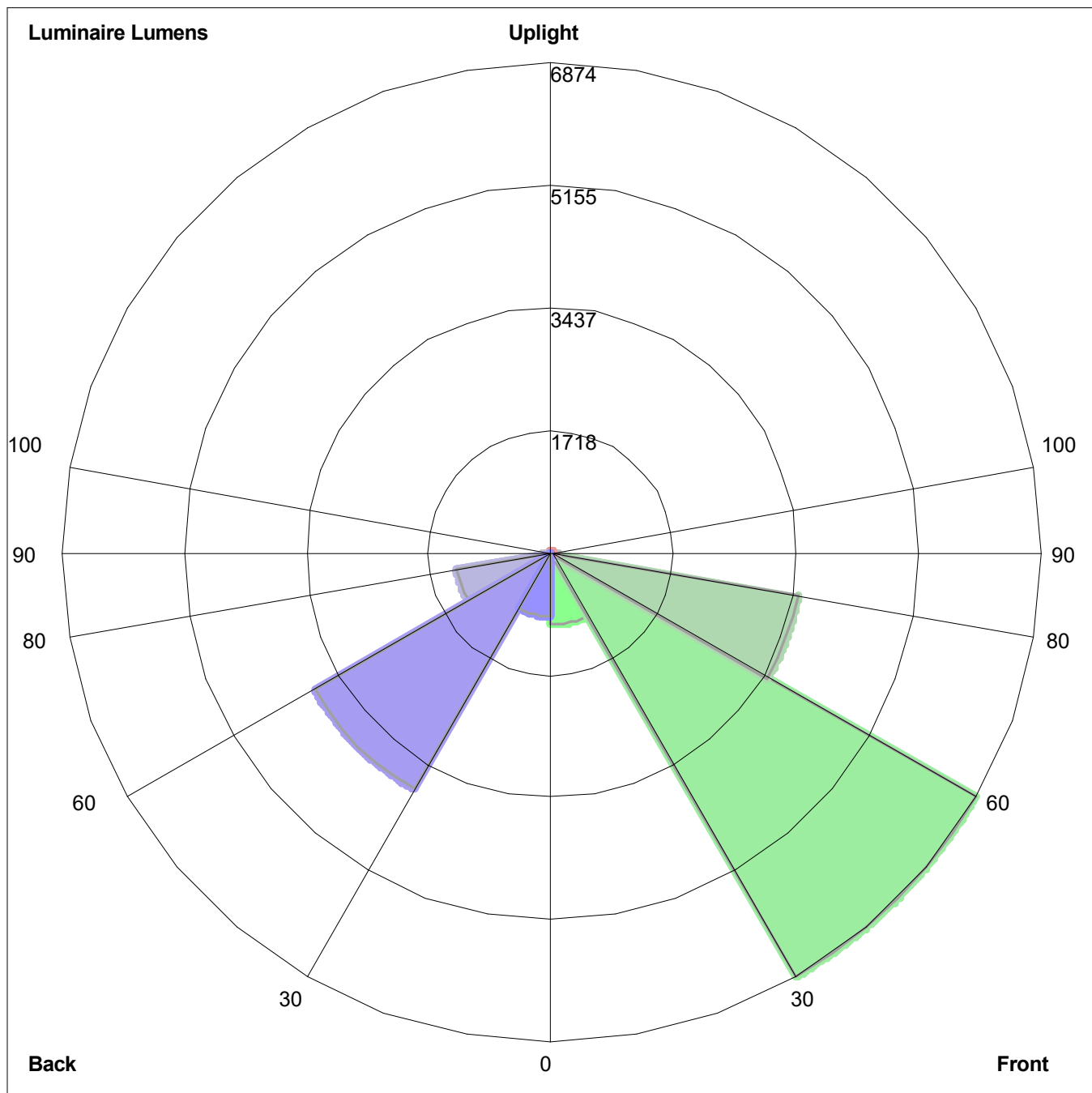


Maximum Candela = 14328 Located At Horizontal Angle = 77.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (77.5 - 257.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1017.4, Medium=6873.9, High=3516.6, Very High=91.2
Back: Low=893.5, Medium=3840.3, High=1345.2, Very High=134.0
Uplight: Low=7.8, High=9.2

BUG Rating : B3-U1-G3