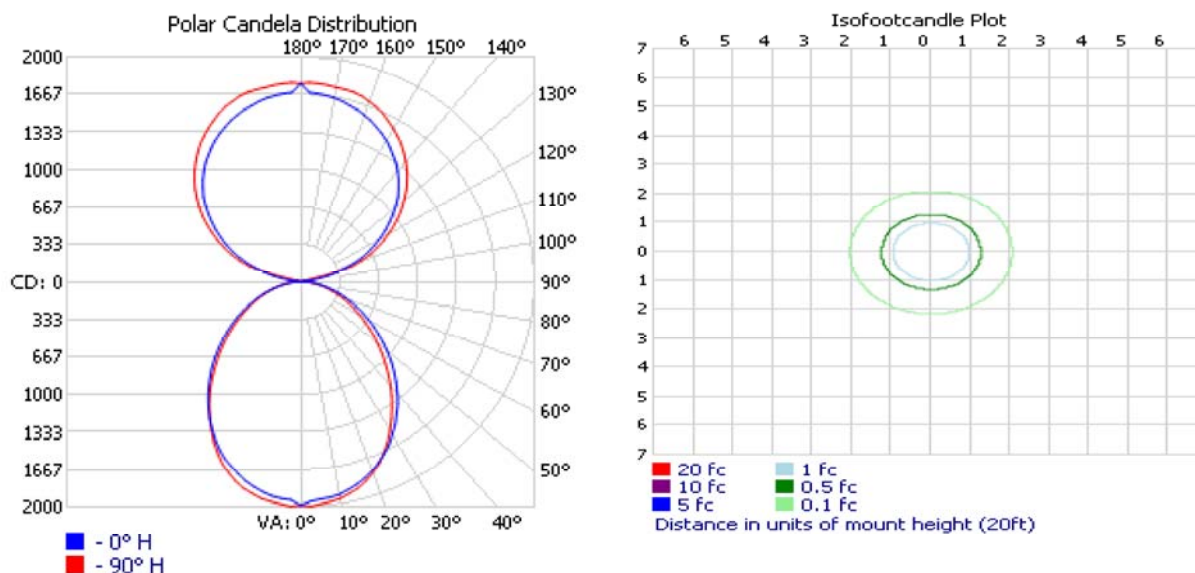


INDOOR PHOTOMETRIC REPORT

CATALOG: S4LID 4FT CRD 1H40 2H40 EZBWHT



TEST #: LTL25535
 TEST LAB: ACUITY BRANDS LIGHTING CONYERS LAB
 TEST DATE: 4/28/2014
 CATALOG: S4LID 4FT CRD 1H40 2H40 EZBWHT
 DESCRIPTION: SLOT 4 PENDANT MOUNT 4FT (1) DIRECT HIGH OUTPUT 4000K
 BOARDS, (2) INDIRECT HIGH OUTPUT 4000K BOARDS WITH
 ELDOLED 1061/M 100W DRIVER
 SERIES: SLOT 4 LED PSW
 LAMP CATALOG: NICHIA NS21757AT 4000K
 LAMP: LED
 LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 10025.4, **ABSOLUTE PHOTOMETRY ***
 BALLAST / DRIVER: ELDOLED 1061/M 100W
 INPUT WATTAGE: 99.55
 LUMINOUS OPENING: RECTANGLE (L: 48.96", W: 3")
 CIE CLASS: GENERAL DIFFUSE
 MAX CD: 1998 AT HORIZONTAL: 90°, VERTICAL: 2.5°
 SPACING CRITERION: @ 0 = 1.18 / @ 90 = 1.15



*TEST BASED ON ABSOLUTE PHOTOMETRY WHERE LAMP LUMENS=LUMENS TOTAL.

*CUTOFF CLASSIFICATION AND EFFICIENCY CANNOT BE PROPERLY CALCULATED FOR ABSOLUTE PHOTOMETRY.

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INDOOR PHOTOMETRIC REPORT

CATALOG: S4LID 4FT CRD 1H40 2H40 EZBWHT

**ZONAL LUMEN SUMMARY**

| ZONE | LUMENS | % LUMINAIRE |
|--------|---------|-------------|
| 0-30 | 1495.3 | 14.9% |
| 0-40 | 2373.2 | 23.7% |
| 0-60 | 3895.8 | 38.9% |
| 60-90 | 827.4 | 8.3% |
| 70-100 | 387.5 | 3.9% |
| 90-120 | 1093.2 | 10.9% |
| 0-90 | 4723.2 | 47.1% |
| 90-180 | 5302.2 | 52.9% |
| 0-180 | 10025.4 | 100% |

LUMENS PER ZONE

| ZONE | LUMENS | % TOTAL | ZONE | LUMENS | % TOTAL |
|-------|--------|---------|---------|--------|---------|
| 0-10 | 187.6 | 1.9% | 90-100 | 43.8 | 0.4% |
| 10-20 | 530.7 | 5.3% | 100-110 | 351.1 | 3.5% |
| 20-30 | 777 | 7.8% | 110-120 | 698.4 | 7% |
| 30-40 | 877.9 | 8.8% | 120-130 | 901.5 | 9% |
| 40-50 | 834.6 | 8.3% | 130-140 | 978.4 | 9.8% |
| 50-60 | 687.9 | 6.9% | 140-150 | 923.7 | 9.2% |
| 60-70 | 483.6 | 4.8% | 150-160 | 751.5 | 7.5% |
| 70-80 | 266.8 | 2.7% | 160-170 | 486.3 | 4.9% |
| 80-90 | 77 | 0.8% | 170-180 | 167.6 | 1.7% |

AVERAGE LUMINANCE (CD/M2)

| | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | 20958 | 20958 | 20958 | 20958 | 20958 | 20958 | 20958 | 20958 | 20958 |
| 45 | 16864 | 16939 | 16312 | 15640 | 15282 | 15536 | 16178 | 16775 | 16013 |
| 55 | 14958 | 15087 | 14388 | 13541 | 13173 | 13394 | 14130 | 14829 | 14112 |
| 65 | 13209 | 13034 | 12360 | 11586 | 11287 | 11486 | 12136 | 12735 | 12235 |
| 75 | 11498 | 10846 | 10397 | 9867 | 9663 | 9786 | 10112 | 10438 | 9949 |
| 85 | 9202 | 8355 | 8718 | 8597 | 8476 | 8233 | 8112 | 7628 | 5933 |

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|--------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.06 | 1.06 | 1.06 | 1.06 | .98 | .98 | .98 | .47 | .82 | .82 | .82 | .67 | .67 | .67 | .53 | .53 | .53 | .47 | | | |
| 1 | .97 | .93 | .89 | .86 | .89 | .86 | .82 | .40 | .72 | .70 | .67 | .59 | .58 | .56 | .48 | .46 | .46 | .40 | | | |
| 2 | .89 | .82 | .76 | .70 | .81 | .75 | .70 | .35 | .63 | .59 | .56 | .52 | .50 | .47 | .42 | .40 | .39 | .34 | | | |
| 3 | .81 | .72 | .65 | .59 | .74 | .66 | .60 | .30 | .56 | .51 | .47 | .46 | .43 | .40 | .37 | .35 | .33 | .29 | | | |
| 4 | .74 | .64 | .56 | .50 | .68 | .59 | .52 | .26 | .50 | .45 | .41 | .41 | .38 | .35 | .34 | .31 | .29 | .25 | | | |
| 5 | .68 | .57 | .49 | .43 | .63 | .53 | .46 | .23 | .45 | .39 | .35 | .37 | .33 | .30 | .30 | .27 | .25 | .22 | | | |
| 6 | .63 | .51 | .43 | .37 | .58 | .47 | .40 | .20 | .40 | .35 | .31 | .34 | .30 | .26 | .28 | .25 | .22 | .19 | | | |
| 7 | .58 | .46 | .38 | .33 | .53 | .43 | .36 | .18 | .37 | .31 | .27 | .31 | .27 | .23 | .25 | .22 | .20 | .17 | | | |
| 8 | .54 | .42 | .34 | .29 | .50 | .39 | .32 | .16 | .33 | .28 | .24 | .28 | .24 | .21 | .23 | .20 | .18 | .15 | | | |
| 9 | .50 | .38 | .31 | .26 | .46 | .36 | .29 | .15 | .31 | .25 | .22 | .26 | .22 | .19 | .22 | .18 | .16 | .14 | | | |
| 10 | .47 | .35 | .28 | .23 | .43 | .33 | .26 | .14 | .28 | .23 | .20 | .24 | .20 | .17 | .20 | .17 | .15 | .13 | | | |

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CATALOG: S4LID 4FT CRD 1H40 2H40 EZBWHT

**CANDELA TABLE - TYPE C**

| | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 |
|-----|------|------|------|------|------|-------|------|-------|------|
| 0 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| 5 | 1936 | 1979 | 1989 | 1986 | 1982 | 1990 | 1988 | 1978 | 1930 |
| 10 | 1916 | 1941 | 1950 | 1947 | 1952 | 1950 | 1952 | 1938 | 1892 |
| 15 | 1860 | 1886 | 1898 | 1894 | 1896 | 1896 | 1894 | 1879 | 1828 |
| 20 | 1784 | 1798 | 1817 | 1805 | 1802 | 1810 | 1814 | 1802 | 1739 |
| 25 | 1684 | 1698 | 1704 | 1691 | 1679 | 1690 | 1704 | 1693 | 1642 |
| 30 | 1567 | 1580 | 1573 | 1545 | 1525 | 1542 | 1568 | 1576 | 1514 |
| 35 | 1429 | 1444 | 1421 | 1382 | 1362 | 1378 | 1418 | 1436 | 1376 |
| 40 | 1286 | 1296 | 1258 | 1216 | 1196 | 1208 | 1250 | 1286 | 1229 |
| 45 | 1130 | 1135 | 1093 | 1048 | 1024 | 1041 | 1084 | 1124 | 1073 |
| 50 | 971 | 980 | 936 | 891 | 866 | 881 | 922 | 962 | 916 |
| 55 | 813 | 820 | 782 | 736 | 716 | 728 | 768 | 806 | 767 |
| 60 | 668 | 666 | 632 | 592 | 576 | 586 | 622 | 655 | 624 |
| 65 | 529 | 522 | 495 | 464 | 452 | 460 | 486 | 510 | 490 |
| 70 | 402 | 388 | 368 | 346 | 338 | 342 | 360 | 378 | 363 |
| 75 | 282 | 266 | 255 | 242 | 237 | 240 | 248 | 256 | 244 |
| 80 | 172 | 157 | 156 | 150 | 146 | 148 | 150 | 150 | 136 |
| 85 | 76 | 69 | 72 | 71 | 70 | 68 | 67 | 63 | 49 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 42 | 40 | 20 | 23 | 24 | 23 | 20 | 40 | 42 |
| 100 | 168 | 219 | 79 | 27 | 30 | 27 | 79 | 219 | 168 |
| 105 | 322 | 378 | 384 | 377 | 266 | 377 | 384 | 378 | 322 |
| 110 | 483 | 544 | 552 | 556 | 554 | 556 | 552 | 544 | 483 |
| 115 | 640 | 712 | 716 | 719 | 722 | 719 | 716 | 712 | 640 |
| 120 | 789 | 874 | 875 | 877 | 878 | 877 | 875 | 874 | 789 |
| 125 | 927 | 1024 | 1016 | 1019 | 1024 | 1019 | 1016 | 1024 | 927 |
| 130 | 1062 | 1161 | 1153 | 1156 | 1158 | 1156 | 1153 | 1161 | 1062 |
| 135 | 1182 | 1284 | 1280 | 1282 | 1286 | 1282 | 1280 | 1284 | 1182 |
| 140 | 1288 | 1391 | 1394 | 1394 | 1398 | 1394 | 1394 | 1391 | 1288 |
| 145 | 1376 | 1483 | 1492 | 1494 | 1497 | 1494 | 1492 | 1483 | 1376 |
| 150 | 1460 | 1565 | 1584 | 1578 | 1582 | 1578 | 1584 | 1565 | 1460 |
| 155 | 1526 | 1630 | 1652 | 1652 | 1658 | 1652 | 1652 | 1630 | 1526 |
| 160 | 1582 | 1685 | 1706 | 1702 | 1708 | 1702 | 1706 | 1685 | 1582 |
| 165 | 1623 | 1728 | 1737 | 1740 | 1745 | 1740 | 1737 | 1728 | 1623 |
| 170 | 1660 | 1760 | 1761 | 1753 | 1754 | 1753 | 1761 | 1760 | 1660 |
| 175 | 1679 | 1777 | 1781 | 1770 | 1769 | 1770 | 1781 | 1777 | 1679 |
| 180 | 1764 | 1764 | 1764 | 1764 | 1764 | 1764 | 1764 | 1764 | 1764 |

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