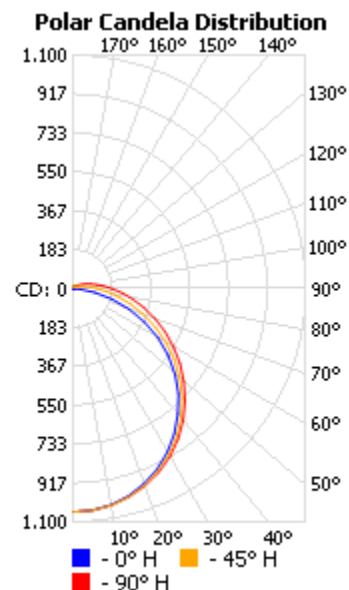


# Photometrics Pro

## Luminaire Photometric Report

**Filename: (LCS-8) LSL1-96-4X2100L2**  
 Manufacturer: Foshan Innovative Lighting Co., Ltd.  
 Luminaire: Direct Linear Ambient Luminaires  
 Luminaire Cat: half of LL-709604B(3000K)  
 Lamp: LED  
 Lamp Cat: LED  
 Lamp Output: 1 lamp, rated Lumens/lamp: 3529.4  
 Max Candela: 1,057.3 at Horizontal: 0°, Vertical: 0°  
 Input Wattage: 32.87  
 Luminous Opening: Rectangle w/Luminous Sides (L: 48.03", W: 5.04", H: 1.57")  
 Test: LCZP16070061  
 Test Date: 2016-8-19  
 Test Lab: LCTECH  
 Photometry : Type C  
 CIE Class: Direct  
 Cutoff Class: Noncutoff



### Zonal Lumen Summary

| Zone   | Lumens  | % Lamp | % Luminaire |
|--------|---------|--------|-------------|
| 0-30   | 825.3   | 23.4%  | 23.4%       |
| 0-40   | 1,358.4 | 38.5%  | 38.5%       |
| 0-60   | 2,442.0 | 69.2%  | 69.3%       |
| 60-90  | 885.5   | 25.1%  | 25.1%       |
| 70-100 | 548.5   | 15.5%  | 15.6%       |
| 90-120 | 157.7   | 4.5%   | 4.5%        |
| 0-90   | 3,327.5 | 94.3%  | 94.4%       |
| 90-180 | 198.9   | 5.6%   | 5.6%        |
| 0-180  | 3,526.4 | 99.9%  | 100%        |

### Coefficients Of Utilization - Zonal Cavity Method

| RCC %: | Effective Floor Cavity Reflectance: 20% |      |      |      |      |      |      |     |      |      |      |      |      |      |     |     |     |     |  |  |
|--------|---|------|------|------|------|------|------|-----|------|------|------|------|------|------|-----|-----|-----|-----|--|--|
|        | 80                                      |      |      |      | 70   |      |      |     | 50   |      |      |      | 30   |      |     |     | 10  |     |  |  |
| RW %:  | 70                                      | 50   | 30   | 0    | 70   | 50   | 30   | 0   | 50   | 30   | 20   | 50   | 30   | 20   | 50  | 30  | 20  | 0   |  |  |
| RCR: 0 | 1.18                                    | 1.18 | 1.18 | 1.18 | 1.14 | 1.14 | 1.14 | .94 | 1.08 | 1.08 | 1.08 | 1.02 | 1.02 | 1.02 | .97 | .97 | .97 | .94 |  |  |
| 1      | 1.06                                    | 1.00 | .96  | .91  | 1.02 | .98  | .93  | .77 | .92  | .89  | .85  | .87  | .84  | .82  | .83 | .80 | .78 | .76 |  |  |
| 2      | .96                                     | .87  | .79  | .73  | .92  | .84  | .78  | .63 | .80  | .74  | .69  | .76  | .71  | .67  | .72 | .68 | .65 | .62 |  |  |
| 3      | .87                                     | .76  | .67  | .60  | .84  | .74  | .66  | .53 | .70  | .63  | .58  | .66  | .61  | .56  | .63 | .58 | .54 | .52 |  |  |
| 4      | .79                                     | .67  | .58  | .51  | .77  | .65  | .57  | .46 | .62  | .55  | .49  | .59  | .53  | .47  | .56 | .51 | .46 | .44 |  |  |
| 5      | .73                                     | .60  | .50  | .43  | .70  | .58  | .49  | .39 | .55  | .48  | .42  | .53  | .46  | .41  | .50 | .45 | .40 | .38 |  |  |
| 6      | .67                                     | .54  | .44  | .38  | .65  | .52  | .44  | .35 | .50  | .42  | .37  | .48  | .41  | .36  | .46 | .40 | .35 | .33 |  |  |
| 7      | .62                                     | .48  | .39  | .33  | .60  | .47  | .39  | .31 | .45  | .38  | .32  | .43  | .37  | .32  | .42 | .36 | .31 | .29 |  |  |
| 8      | .58                                     | .44  | .35  | .29  | .56  | .43  | .35  | .27 | .41  | .34  | .29  | .40  | .33  | .28  | .38 | .32 | .28 | .26 |  |  |
| 9      | .54                                     | .40  | .32  | .26  | .52  | .40  | .32  | .25 | .38  | .31  | .26  | .37  | .30  | .25  | .35 | .29 | .25 | .23 |  |  |
| 10     | .51                                     | .37  | .29  | .24  | .49  | .37  | .29  | .22 | .35  | .28  | .23  | .34  | .27  | .23  | .33 | .27 | .23 | .21 |  |  |

### Candela Table - Type C

|    | 0    | 15   | 30   | 45   | 60   | 75   | 90   |
|----|------|------|------|------|------|------|------|
| 0  | 1057 | 1057 | 1057 | 1057 | 1057 | 1057 | 1057 |
| 5  | 1054 | 1053 | 1053 | 1054 | 1053 | 1054 | 1052 |
| 10 | 1039 | 1038 | 1039 | 1041 | 1041 | 1041 | 1041 |
| 15 | 1015 | 1015 | 1017 | 1020 | 1020 | 1022 | 1021 |
| 20 | 982  | 983  | 986  | 991  | 992  | 994  | 994  |
| 25 | 942  | 943  | 947  | 953  | 955  | 958  | 960  |
| 30 | 893  | 895  | 900  | 908  | 911  | 916  | 918  |
| 35 | 837  | 839  | 845  | 856  | 860  | 866  | 868  |
| 40 | 773  | 777  | 783  | 796  | 801  | 809  | 812  |
| 45 | 706  | 710  | 717  | 732  | 739  | 748  | 750  |

|     |                     |                     |                     |                     |                     |                     |                     |
|-----|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 50  | <a href="#">631</a> | <a href="#">635</a> | <a href="#">645</a> | <a href="#">660</a> | <a href="#">671</a> | <a href="#">683</a> | <a href="#">685</a> |
| 55  | <a href="#">550</a> | <a href="#">555</a> | <a href="#">567</a> | <a href="#">586</a> | <a href="#">600</a> | <a href="#">614</a> | <a href="#">619</a> |
| 60  | 464                 | 470                 | 484                 | 508                 | 527                 | 545                 | 549                 |
| 65  | 373                 | 382                 | 402                 | 431                 | 454                 | 474                 | 481                 |
| 70  | 281                 | 293                 | 319                 | 354                 | 384                 | 406                 | 413                 |
| 75  | 191                 | 206                 | 241                 | 283                 | 317                 | 340                 | 348                 |
| 80  | 105                 | 127                 | 171                 | 218                 | 255                 | 280                 | 288                 |
| 85  | 39                  | 67                  | 115                 | 162                 | 200                 | 226                 | 234                 |
| 90  | 8                   | 29                  | 71                  | 116                 | 153                 | 177                 | 185                 |
| 95  | 2                   | 13                  | 44                  | 82                  | 115                 | 138                 | 145                 |
| 100 | 2                   | 8                   | 28                  | 57                  | 85                  | 105                 | 112                 |
| 105 | 3                   | 7                   | 19                  | 40                  | 62                  | 79                  | 85                  |
| 110 | 3                   | 6                   | 15                  | 30                  | 46                  | 59                  | 64                  |
| 115 | 3                   | 6                   | 13                  | 23                  | 35                  | 45                  | 49                  |
| 120 | 4                   | 6                   | 12                  | 19                  | 27                  | 34                  | 37                  |
| 125 | 4                   | 6                   | 11                  | 17                  | 23                  | 28                  | 30                  |
| 130 | 4                   | 5                   | 10                  | 15                  | 19                  | 23                  | 24                  |
| 135 | 4                   | 5                   | 9                   | 13                  | 17                  | 20                  | 21                  |
| 140 | 5                   | 5                   | 8                   | 12                  | 15                  | 17                  | 18                  |
| 145 | 5                   | 6                   | 8                   | 11                  | 14                  | 15                  | 16                  |
| 150 | 6                   | 6                   | 8                   | 10                  | 12                  | 14                  | 14                  |
| 155 | 7                   | 7                   | 8                   | 10                  | 12                  | 13                  | 13                  |
| 160 | 8                   | 9                   | 10                  | 11                  | 12                  | 12                  | 13                  |
| 165 | 10                  | 10                  | 11                  | 11                  | 12                  | 13                  | 12                  |
| 170 | 11                  | 11                  | 12                  | 12                  | 12                  | 13                  | 12                  |
| 175 | 12                  | 12                  | 12                  | 13                  | 13                  | 13                  | 12                  |
| 180 | 12                  | 12                  | 12                  | 12                  | 12                  | 12                  | 12                  |

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Reported data calculated from manufacturer's data file, based on IES recommended methods.