



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L20-835U-L40-835D-XXX-DIM-UNV-LW-OM-CS-CM-XX.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 13257153.01  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 10/24/2024  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] 6CRDI-TL-xx-L20-835U-L40-835D-xxx-DIM-UNV-LW-OM-CS-CM  
 [LUMINAIRE] Aluminum housing, optics, and trim enclosure  
 [LAMP] One white LED  
 [ \_SEARCH\_SOURCETYPE] LED  
 [ \_SEARCH\_APPLICATION] Indoor, Downlight  
 [ \_SEARCH\_MOUNTING] Recessed  
 [ \_CONVERT] Photometric web converted from original test data  
 [ \_CONVERT] Luminaire test position and photometric web converted from original test data

### CHARACTERISTICS

|                                 |                    |
|---------------------------------|--------------------|
| Lumens Per Lamp                 | N.A. (absolute)    |
| Total Lamp Lumens               | N.A. (absolute)    |
| Luminaire Lumens                | 6202               |
| Total Luminaire Efficiency      | N.A.               |
| Luminaire Efficacy Rating (LER) | 101                |
| Total Luminaire Watts           | 61.2               |
| Ballast Factor                  | 1.00               |
| CIE Type                        | Semi-Direct        |
| Spacing Criterion (0-180)       | 0.58               |
| Spacing Criterion (90-270)      | 0.58               |
| Spacing Criterion (Diagonal)    | 0.74               |
| Basic Luminous Shape            | Circular           |
| Luminous Length (0-180)         | 0.21 ft (Diameter) |
| Luminous Width (90-270)         | 0.21 ft (Diameter) |
| Luminous Height                 | 0.00 ft            |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 31193            | 31193             | 31193             |
| 55                  | 9054             | 9054              | 9054              |
| 65                  | 3180             | 3180              | 3180              |
| 75                  | 1416             | 1416              | 1416              |
| 85                  | 701              | 701               | 701               |

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## CANDELA TABULATION

|     | <u>0</u> | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> | <u>45</u> |
|-----|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0   | 7820.735 | 7820.735 | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  |
| 5   | 7739.651 | 7739.651 | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  |
| 10  | 5838.041 | 5838.041 | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  |
| 15  | 4463.476 | 4463.476 | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  |
| 20  | 3955.736 | 3955.736 | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  |
| 25  | 3455.719 | 3455.719 | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  |
| 30  | 1953.736 | 1953.736 | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  |
| 35  | 303.099  | 303.099  | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   |
| 40  | 118.537  | 118.537  | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   |
| 45  | 69.694   | 69.694   | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    |
| 50  | 36.102   | 36.102   | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    |
| 55  | 16.410   | 16.410   | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    |
| 60  | 8.108    | 8.108    | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     |
| 65  | 4.247    | 4.247    | 4.247     | 4.247     | 4.247     | 4.247     | 4.247     | 4.247     | 4.247     | 4.247     |
| 70  | 2.124    | 2.124    | 2.124     | 2.124     | 2.124     | 2.124     | 2.124     | 2.124     | 2.124     | 2.124     |
| 75  | 1.158    | 1.158    | 1.158     | 1.158     | 1.158     | 1.158     | 1.158     | 1.158     | 1.158     | 1.158     |
| 80  | 0.386    | 0.386    | 0.386     | 0.386     | 0.386     | 0.386     | 0.386     | 0.386     | 0.386     | 0.386     |
| 85  | 0.193    | 0.193    | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     | 0.193     |
| 90  | 0.000    | 0.000    | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     |
| 95  | 8.667    | 8.667    | 8.667     | 8.667     | 8.667     | 8.667     | 8.667     | 8.667     | 8.667     | 8.667     |
| 100 | 26.276   | 26.276   | 26.276    | 26.276    | 26.276    | 26.276    | 26.276    | 26.276    | 26.276    | 26.276    |
| 105 | 45.948   | 45.948   | 45.948    | 45.948    | 45.948    | 45.948    | 45.948    | 45.948    | 45.948    | 45.948    |
| 110 | 68.371   | 68.371   | 68.371    | 68.371    | 68.371    | 68.371    | 68.371    | 68.371    | 68.371    | 68.371    |
| 115 | 92.996   | 92.996   | 92.996    | 92.996    | 92.996    | 92.996    | 92.996    | 92.996    | 92.996    | 92.996    |
| 120 | 120.372  | 120.372  | 120.372   | 120.372   | 120.372   | 120.372   | 120.372   | 120.372   | 120.372   | 120.372   |
| 125 | 147.748  | 147.748  | 147.748   | 147.748   | 147.748   | 147.748   | 147.748   | 147.748   | 147.748   | 147.748   |
| 130 | 175.812  | 175.812  | 175.812   | 175.812   | 175.812   | 175.812   | 175.812   | 175.812   | 175.812   | 175.812   |
| 135 | 208.554  | 208.554  | 208.554   | 208.554   | 208.554   | 208.554   | 208.554   | 208.554   | 208.554   | 208.554   |
| 140 | 264.131  | 264.131  | 264.131   | 264.131   | 264.131   | 264.131   | 264.131   | 264.131   | 264.131   | 264.131   |
| 145 | 411.192  | 411.192  | 411.192   | 411.192   | 411.192   | 411.192   | 411.192   | 411.192   | 411.192   | 411.192   |
| 150 | 790.881  | 790.881  | 790.881   | 790.881   | 790.881   | 790.881   | 790.881   | 790.881   | 790.881   | 790.881   |
| 155 | 1419.706 | 1419.706 | 1419.706  | 1419.706  | 1419.706  | 1419.706  | 1419.706  | 1419.706  | 1419.706  | 1419.706  |
| 160 | 2015.377 | 2015.377 | 2015.377  | 2015.377  | 2015.377  | 2015.377  | 2015.377  | 2015.377  | 2015.377  | 2015.377  |
| 165 | 2363.425 | 2363.425 | 2363.425  | 2363.425  | 2363.425  | 2363.425  | 2363.425  | 2363.425  | 2363.425  | 2363.425  |
| 170 | 2542.264 | 2542.264 | 2542.264  | 2542.264  | 2542.264  | 2542.264  | 2542.264  | 2542.264  | 2542.264  | 2542.264  |
| 175 | 2634.435 | 2634.435 | 2634.435  | 2634.435  | 2634.435  | 2634.435  | 2634.435  | 2634.435  | 2634.435  | 2634.435  |
| 180 | 2670.000 | 2670.000 | 2670.000  | 2670.000  | 2670.000  | 2670.000  | 2670.000  | 2670.000  | 2670.000  | 2670.000  |

Vert.  
Angles

### Horizontal Angles

|    | <u>50</u> | <u>55</u> | <u>60</u> | <u>65</u> | <u>70</u> | <u>75</u> | <u>80</u> | <u>85</u> | <u>90</u> | <u>95</u> |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  | 7820.735  |
| 5  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  | 7739.651  |
| 10 | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  | 5838.041  |
| 15 | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  | 4463.476  |
| 20 | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  | 3955.736  |
| 25 | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  | 3455.719  |
| 30 | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  | 1953.736  |
| 35 | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   | 303.099   |
| 40 | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   | 118.537   |
| 45 | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    | 69.694    |
| 50 | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    | 36.102    |
| 55 | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    | 16.410    |
| 60 | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     | 8.108     |

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PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L20-835U-L40-835D-XXX-DIM-UNV-LW-OM-CS-CM-XX.IES

## CANDELA TABULATION - (Cont.)

|     |          |          |          |          |          |          |          |          |          |          |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 65  | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    |
| 70  | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    |
| 75  | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    |
| 80  | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    |
| 85  | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    |
| 90  | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 95  | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    |
| 100 | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   |
| 105 | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   |
| 110 | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   |
| 115 | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   |
| 120 | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  |
| 125 | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  |
| 130 | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  |
| 135 | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  |
| 140 | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  |
| 145 | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  |
| 150 | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  |
| 155 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 |
| 160 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 |
| 165 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 |
| 170 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 |
| 175 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 |
| 180 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 |

## Vert. Angles

### Horizontal Angles

|     | 100      | 105      | 110      | 115      | 120      | 125      | 130      | 135      | 140      | 145      |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0   | 7820.735 | 7820.735 | 7820.735 | 7820.735 | 7820.735 | 7820.735 | 7820.735 | 7820.735 | 7820.735 | 7820.735 |
| 5   | 7739.651 | 7739.651 | 7739.651 | 7739.651 | 7739.651 | 7739.651 | 7739.651 | 7739.651 | 7739.651 | 7739.651 |
| 10  | 5838.041 | 5838.041 | 5838.041 | 5838.041 | 5838.041 | 5838.041 | 5838.041 | 5838.041 | 5838.041 | 5838.041 |
| 15  | 4463.476 | 4463.476 | 4463.476 | 4463.476 | 4463.476 | 4463.476 | 4463.476 | 4463.476 | 4463.476 | 4463.476 |
| 20  | 3955.736 | 3955.736 | 3955.736 | 3955.736 | 3955.736 | 3955.736 | 3955.736 | 3955.736 | 3955.736 | 3955.736 |
| 25  | 3455.719 | 3455.719 | 3455.719 | 3455.719 | 3455.719 | 3455.719 | 3455.719 | 3455.719 | 3455.719 | 3455.719 |
| 30  | 1953.736 | 1953.736 | 1953.736 | 1953.736 | 1953.736 | 1953.736 | 1953.736 | 1953.736 | 1953.736 | 1953.736 |
| 35  | 303.099  | 303.099  | 303.099  | 303.099  | 303.099  | 303.099  | 303.099  | 303.099  | 303.099  | 303.099  |
| 40  | 118.537  | 118.537  | 118.537  | 118.537  | 118.537  | 118.537  | 118.537  | 118.537  | 118.537  | 118.537  |
| 45  | 69.694   | 69.694   | 69.694   | 69.694   | 69.694   | 69.694   | 69.694   | 69.694   | 69.694   | 69.694   |
| 50  | 36.102   | 36.102   | 36.102   | 36.102   | 36.102   | 36.102   | 36.102   | 36.102   | 36.102   | 36.102   |
| 55  | 16.410   | 16.410   | 16.410   | 16.410   | 16.410   | 16.410   | 16.410   | 16.410   | 16.410   | 16.410   |
| 60  | 8.108    | 8.108    | 8.108    | 8.108    | 8.108    | 8.108    | 8.108    | 8.108    | 8.108    | 8.108    |
| 65  | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    | 4.247    |
| 70  | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    | 2.124    |
| 75  | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    | 1.158    |
| 80  | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    | 0.386    |
| 85  | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    | 0.193    |
| 90  | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    | 0.000    |
| 95  | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    | 8.667    |
| 100 | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   | 26.276   |
| 105 | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   | 45.948   |
| 110 | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   | 68.371   |
| 115 | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   | 92.996   |
| 120 | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  | 120.372  |
| 125 | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  | 147.748  |
| 130 | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  | 175.812  |
| 135 | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  | 208.554  |

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## CANDELA TABULATION - (Cont.)

|     |          |          |          |          |          |          |          |          |          |          |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 140 | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  | 264.131  |
| 145 | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  | 411.192  |
| 150 | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  | 790.881  |
| 155 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 | 1419.706 |
| 160 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 | 2015.377 |
| 165 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 | 2363.425 |
| 170 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 | 2542.264 |
| 175 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 | 2634.435 |
| 180 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 | 2670.000 |

## Vert. Angles

## Horizontal Angles

|     | <u>150</u> | <u>155</u> | <u>160</u> | <u>165</u> | <u>170</u> | <u>175</u> | <u>180</u> |
|-----|------------|------------|------------|------------|------------|------------|------------|
| 0   | 7820.735   | 7820.735   | 7820.735   | 7820.735   | 7820.735   | 7820.735   | 7820.735   |
| 5   | 7739.651   | 7739.651   | 7739.651   | 7739.651   | 7739.651   | 7739.651   | 7739.651   |
| 10  | 5838.041   | 5838.041   | 5838.041   | 5838.041   | 5838.041   | 5838.041   | 5838.041   |
| 15  | 4463.476   | 4463.476   | 4463.476   | 4463.476   | 4463.476   | 4463.476   | 4463.476   |
| 20  | 3955.736   | 3955.736   | 3955.736   | 3955.736   | 3955.736   | 3955.736   | 3955.736   |
| 25  | 3455.719   | 3455.719   | 3455.719   | 3455.719   | 3455.719   | 3455.719   | 3455.719   |
| 30  | 1953.736   | 1953.736   | 1953.736   | 1953.736   | 1953.736   | 1953.736   | 1953.736   |
| 35  | 303.099    | 303.099    | 303.099    | 303.099    | 303.099    | 303.099    | 303.099    |
| 40  | 118.537    | 118.537    | 118.537    | 118.537    | 118.537    | 118.537    | 118.537    |
| 45  | 69.694     | 69.694     | 69.694     | 69.694     | 69.694     | 69.694     | 69.694     |
| 50  | 36.102     | 36.102     | 36.102     | 36.102     | 36.102     | 36.102     | 36.102     |
| 55  | 16.410     | 16.410     | 16.410     | 16.410     | 16.410     | 16.410     | 16.410     |
| 60  | 8.108      | 8.108      | 8.108      | 8.108      | 8.108      | 8.108      | 8.108      |
| 65  | 4.247      | 4.247      | 4.247      | 4.247      | 4.247      | 4.247      | 4.247      |
| 70  | 2.124      | 2.124      | 2.124      | 2.124      | 2.124      | 2.124      | 2.124      |
| 75  | 1.158      | 1.158      | 1.158      | 1.158      | 1.158      | 1.158      | 1.158      |
| 80  | 0.386      | 0.386      | 0.386      | 0.386      | 0.386      | 0.386      | 0.386      |
| 85  | 0.193      | 0.193      | 0.193      | 0.193      | 0.193      | 0.193      | 0.193      |
| 90  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 95  | 8.667      | 8.667      | 8.667      | 8.667      | 8.667      | 8.667      | 8.667      |
| 100 | 26.276     | 26.276     | 26.276     | 26.276     | 26.276     | 26.276     | 26.276     |
| 105 | 45.948     | 45.948     | 45.948     | 45.948     | 45.948     | 45.948     | 45.948     |
| 110 | 68.371     | 68.371     | 68.371     | 68.371     | 68.371     | 68.371     | 68.371     |
| 115 | 92.996     | 92.996     | 92.996     | 92.996     | 92.996     | 92.996     | 92.996     |
| 120 | 120.372    | 120.372    | 120.372    | 120.372    | 120.372    | 120.372    | 120.372    |
| 125 | 147.748    | 147.748    | 147.748    | 147.748    | 147.748    | 147.748    | 147.748    |
| 130 | 175.812    | 175.812    | 175.812    | 175.812    | 175.812    | 175.812    | 175.812    |
| 135 | 208.554    | 208.554    | 208.554    | 208.554    | 208.554    | 208.554    | 208.554    |
| 140 | 264.131    | 264.131    | 264.131    | 264.131    | 264.131    | 264.131    | 264.131    |
| 145 | 411.192    | 411.192    | 411.192    | 411.192    | 411.192    | 411.192    | 411.192    |
| 150 | 790.881    | 790.881    | 790.881    | 790.881    | 790.881    | 790.881    | 790.881    |
| 155 | 1419.706   | 1419.706   | 1419.706   | 1419.706   | 1419.706   | 1419.706   | 1419.706   |
| 160 | 2015.377   | 2015.377   | 2015.377   | 2015.377   | 2015.377   | 2015.377   | 2015.377   |
| 165 | 2363.425   | 2363.425   | 2363.425   | 2363.425   | 2363.425   | 2363.425   | 2363.425   |
| 170 | 2542.264   | 2542.264   | 2542.264   | 2542.264   | 2542.264   | 2542.264   | 2542.264   |
| 175 | 2634.435   | 2634.435   | 2634.435   | 2634.435   | 2634.435   | 2634.435   | 2634.435   |
| 180 | 2670.000   | 2670.000   | 2670.000   | 2670.000   | 2670.000   | 2670.000   | 2670.000   |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L20-835U-L40-835D-XXX-DIM-UNV-LW-OM-CS-CM-XX.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 1976.68 | N.A.  | 31.90  |
| 0-30    | 3438.57 | N.A.  | 55.40  |
| 0-40    | 3841.25 | N.A.  | 61.90  |
| 0-60    | 3914.57 | N.A.  | 63.10  |
| 0-80    | 3920.46 | N.A.  | 63.20  |
| 0-90    | 3920.67 | N.A.  | 63.20  |
| 10-90   | 3248.93 | N.A.  | 52.40  |
| 20-40   | 1864.58 | N.A.  | 30.10  |
| 20-50   | 1920.81 | N.A.  | 31.00  |
| 40-70   | 77.93   | N.A.  | 1.30   |
| 60-80   | 5.89    | N.A.  | 0.10   |
| 70-80   | 1.27    | N.A.  | 0.00   |
| 80-90   | 0.21    | N.A.  | 0.00   |
| 90-110  | 61.07   | N.A.  | 1.00   |
| 90-120  | 153.80  | N.A.  | 2.50   |
| 90-130  | 286.13  | N.A.  | 4.60   |
| 90-150  | 741.01  | N.A.  | 11.90  |
| 90-180  | 2281.51 | N.A.  | 36.80  |
| 110-180 | 2220.44 | N.A.  | 35.80  |
| 0-180   | 6202.18 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 671.74  |
| 10-20   | 1304.94 |
| 20-30   | 1461.9  |
| 30-40   | 402.68  |
| 40-50   | 56.23   |
| 50-60   | 17.09   |
| 60-70   | 4.62    |
| 70-80   | 1.27    |
| 80-90   | 0.21    |
| 90-100  | 11.87   |
| 100-110 | 49.21   |
| 110-120 | 92.73   |
| 120-130 | 132.33  |
| 130-140 | 165.19  |
| 140-150 | 289.69  |
| 150-160 | 640.03  |
| 160-170 | 651.88  |
| 170-180 | 248.60  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L20-835U-L40-835D-XXX-DIM-UNV-LW-OM-CS-CM-XX.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50 |    |    | 30 |    |    | 10 |    |    | 0  |
|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| 0  | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 91 | 91 | 91 | 79 | 79 | 79 | 68 | 68 | 68 | 63 |
| 1  | 104 | 101 | 98  | 96  | 98  | 95  | 93  | 91  | 84 | 83 | 81 | 75 | 74 | 73 | 66 | 65 | 64 | 60 |
| 2  | 98  | 93  | 89  | 85  | 92  | 88  | 84  | 81  | 79 | 76 | 74 | 70 | 69 | 67 | 63 | 61 | 60 | 57 |
| 3  | 93  | 86  | 81  | 76  | 87  | 82  | 77  | 74  | 74 | 71 | 68 | 67 | 64 | 62 | 60 | 58 | 57 | 54 |
| 4  | 87  | 80  | 74  | 70  | 83  | 76  | 71  | 67  | 69 | 66 | 63 | 63 | 60 | 58 | 57 | 55 | 54 | 51 |
| 5  | 83  | 74  | 68  | 64  | 78  | 71  | 66  | 62  | 65 | 61 | 58 | 60 | 57 | 54 | 55 | 52 | 51 | 48 |
| 6  | 78  | 69  | 63  | 59  | 75  | 67  | 61  | 57  | 62 | 57 | 54 | 57 | 53 | 51 | 52 | 50 | 48 | 46 |
| 7  | 74  | 65  | 59  | 55  | 71  | 63  | 57  | 54  | 58 | 54 | 51 | 54 | 51 | 48 | 50 | 47 | 45 | 43 |
| 8  | 71  | 61  | 55  | 51  | 67  | 59  | 54  | 50  | 55 | 51 | 48 | 51 | 48 | 46 | 48 | 45 | 43 | 41 |
| 9  | 67  | 58  | 52  | 48  | 64  | 56  | 51  | 47  | 52 | 48 | 45 | 49 | 46 | 43 | 46 | 43 | 41 | 39 |
| 10 | 64  | 55  | 49  | 45  | 61  | 53  | 48  | 44  | 50 | 46 | 43 | 47 | 43 | 41 | 44 | 41 | 39 | 38 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L20-835U-L40-835D-XXX-DIM-UNV-LW-OM-CS-CM-XX.IES

## UGR TABLE - CORRECTED

### Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls          | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity   | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

### Room Size UGR Viewed Crosswise

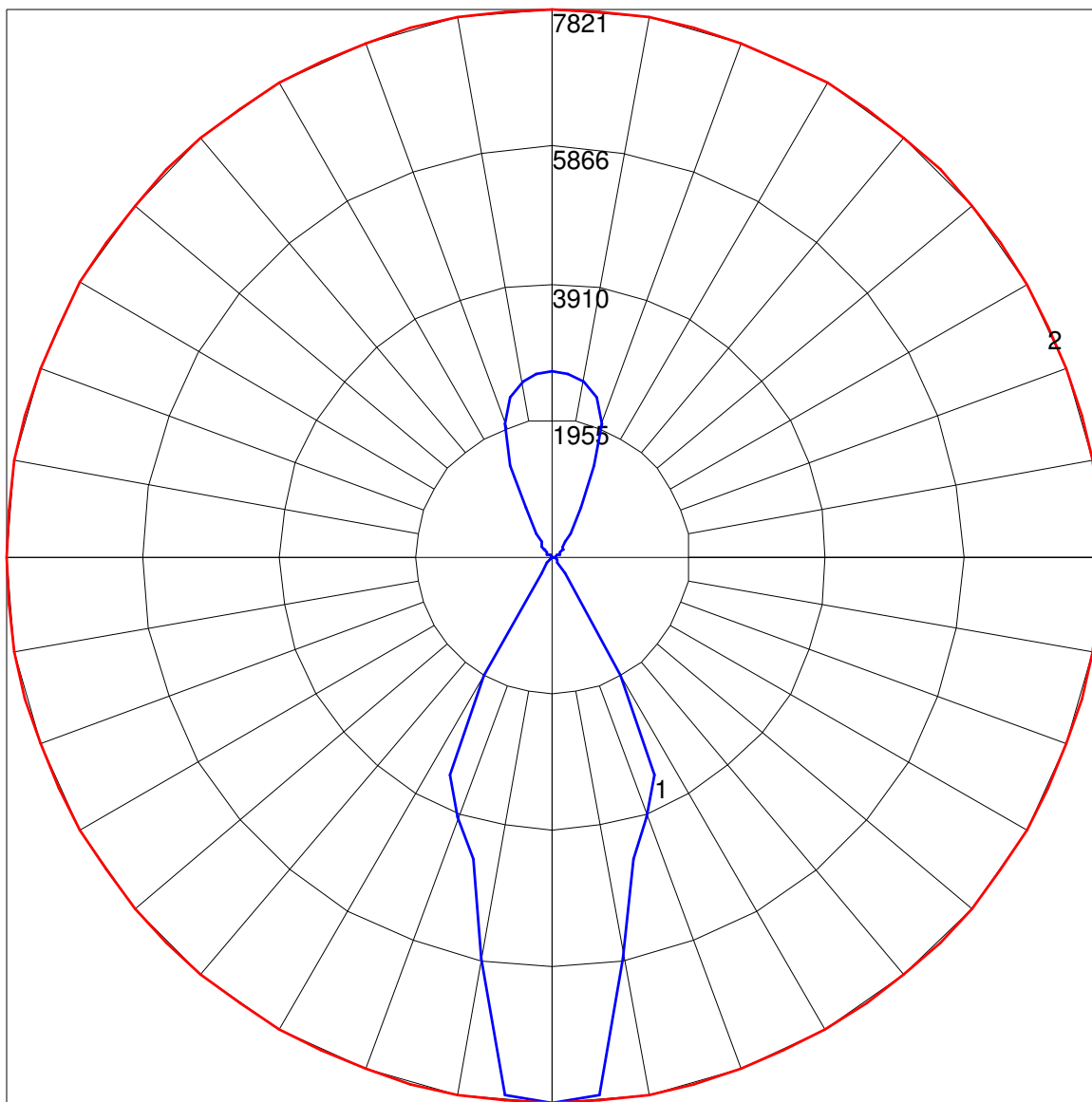
| X=2H | Y=2H | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | UGR Viewed Endwise | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|------|------|-----|-----|-----|-----|-----|--------------------|-----|-----|-----|-----|-----|
|      | 3H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 4H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 6H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 8H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 12H  | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 4H   | 2H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 3H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 4H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 6H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 8H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 12H  | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 8H   | 4H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 6H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 8H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 12H  | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 12H  | 4H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 6H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
|      | 8H   | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3                | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |

Maximum UGR = 6.3

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-XX-L20-835U-L40-835D-XXX-DIM-UNV-LW-OM-CS-CM-XX.IES

## POLAR GRAPH



Maximum Candela = 7820.735 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)