



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] MADE FROM 12316380.05 and 12316380.04
 [TESTLAB]
 [ISSUE DATE] 02/10/2021
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 6CRDI-TL-L20-835U-L20-835D-xxx-DIM1-UNV-ON-CSU-OM-CSD-WM
 [LUMINAIRE] White formed aluminum housing, narrow distrib anodized aluminum reflector trim w/clear cover glass up,
 [MORE] medium distrib anodized alum open reflector trim down
 [LAMP] Two white LEDs (one up/one down)
 [BALLAST] (2) Osram Optotronic OTi25W/120-277/2A0 DIM-1 Drivers
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] INDOOR, DIRECT, INDIRECT
 [_SEARCH_MOUNTING] WALL

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3745 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 95 |
| Total Luminaire Watts | 39.6249 |
| Ballast Factor | 1.00 |
| CIE Type | General Diffuse |
| Spacing Criterion (0-180) | N.A. |
| Spacing Criterion (90-270) | N.A. |
| Spacing Criterion (Diagonal) | N.A. |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.38 ft (Diameter) |
| Luminous Width (90-270) | 0.38 ft (Diameter) |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 4971 | 4971 | 4971 |
| 55 | 1443 | 1443 | 1443 |
| 65 | 507 | 507 | 507 |
| 75 | 226 | 226 | 226 |
| 85 | 112 | 112 | 112 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> | <u>202.5</u> |
|-------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 |
| 2.5 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 |
| 5.0 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 |
| 7.5 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 |
| 10.0 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 |
| 12.5 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 |
| 15.0 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 |
| 17.5 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 |
| 20.0 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 |
| 22.5 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 |
| 25.0 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 |
| 27.5 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 |
| 30.0 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 |
| 32.5 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 |
| 35.0 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 |
| 37.5 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 |
| 40.0 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 |
| 42.5 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 |
| 45.0 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 |
| 47.5 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |
| 50.0 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 |
| 52.5 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 |
| 55.0 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 |
| 57.5 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 |
| 60.0 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |
| 62.5 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 |
| 65.0 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 |
| 67.5 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| 70.0 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| 72.5 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 |
| 75.0 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 |
| 77.5 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| 80.0 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| 82.5 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| 85.0 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| 87.5 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 115.0 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 117.5 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 120.0 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 122.5 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 |
| 125.0 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 |
| 127.5 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 |
| 130.0 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 |
| 132.5 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 |

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PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 135.0 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 |
| 137.5 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 |
| 140.0 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 |
| 142.5 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 |
| 145.0 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 |
| 147.5 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 |
| 150.0 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 |
| 152.5 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 |
| 155.0 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 |
| 157.5 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 |
| 160.0 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 |
| 162.5 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 |
| 165.0 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 |
| 167.5 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 |
| 170.0 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 |
| 172.5 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 |
| 175.0 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 |
| 177.5 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 |
| 180.0 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 |

Vert. Angles

Horizontal Angles

| | <u>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 | 4051.000 |
| 2.5 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 | 4118.000 |
| 5.0 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 | 4009.000 |
| 7.5 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 | 3548.000 |
| 10.0 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 | 3024.000 |
| 12.5 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 | 2616.000 |
| 15.0 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 | 2312.000 |
| 17.5 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 | 2134.000 |
| 20.0 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 | 2049.000 |
| 22.5 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 | 1975.000 |
| 25.0 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 | 1790.000 |
| 27.5 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 | 1481.000 |
| 30.0 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 | 1012.000 |
| 32.5 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 | 475.200 |
| 35.0 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 | 157.000 |
| 37.5 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 | 82.100 |
| 40.0 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 | 61.400 |
| 42.5 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 | 47.000 |
| 45.0 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 | 36.100 |
| 47.5 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |
| 50.0 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 | 18.700 |
| 52.5 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 | 12.500 |
| 55.0 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 |
| 57.5 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 | 5.900 |
| 60.0 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |
| 62.5 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 | 3.000 |
| 65.0 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 | 2.200 |
| 67.5 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 | 1.600 |
| 70.0 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 | 1.100 |
| 72.5 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 | 0.800 |
| 75.0 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 |
| 77.5 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| 80.0 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | | | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 82.5 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| 85.0 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| 87.5 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 115.0 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 117.5 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 120.0 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 | 0.848 |
| 122.5 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 |
| 125.0 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 | 1.696 |
| 127.5 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 | 2.544 |
| 130.0 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 | 4.240 |
| 132.5 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 | 5.936 |
| 135.0 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 | 8.480 |
| 137.5 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 | 11.872 |
| 140.0 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 | 14.416 |
| 142.5 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 | 18.656 |
| 145.0 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 | 75.472 |
| 147.5 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 | 265.424 |
| 150.0 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 | 525.760 |
| 152.5 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 | 687.728 |
| 155.0 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 | 773.376 |
| 157.5 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 | 985.376 |
| 160.0 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 | 1318.640 |
| 162.5 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 | 1671.408 |
| 165.0 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 | 2011.456 |
| 167.5 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 | 2421.888 |
| 170.0 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 | 3204.592 |
| 172.5 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 | 4811.552 |
| 175.0 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 | 9065.120 |
| 177.5 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 | 14687.360 |
| 180.0 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 | 18070.000 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1013.27 | N.A. | 27.10 |
| 0-30 | 1783.67 | N.A. | 47.60 |
| 0-40 | 1969.26 | N.A. | 52.60 |
| 0-60 | 2006.33 | N.A. | 53.60 |
| 0-80 | 2009.3 | N.A. | 53.70 |
| 0-90 | 2009.43 | N.A. | 53.70 |
| 10-90 | 1662.35 | N.A. | 44.40 |
| 20-40 | 955.98 | N.A. | 25.50 |
| 20-50 | 984.57 | N.A. | 26.30 |
| 40-70 | 39.40 | N.A. | 1.10 |
| 60-80 | 2.97 | N.A. | 0.10 |
| 70-80 | 0.64 | N.A. | 0.00 |
| 80-90 | 0.14 | N.A. | 0.00 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.73 | N.A. | 0.00 |
| 90-130 | 2.61 | N.A. | 0.10 |
| 90-150 | 102.08 | N.A. | 2.70 |
| 90-180 | 1735.18 | N.A. | 46.30 |
| 110-180 | 1735.18 | N.A. | 46.30 |
| 0-180 | 3744.61 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 347.08 |
| 10-20 | 666.19 |
| 20-30 | 770.40 |
| 30-40 | 185.58 |
| 40-50 | 28.59 |
| 50-60 | 8.48 |
| 60-70 | 2.33 |
| 70-80 | 0.64 |
| 80-90 | 0.14 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.73 |
| 120-130 | 1.88 |
| 130-140 | 6.78 |
| 140-150 | 92.68 |
| 150-160 | 380.13 |
| 160-170 | 567.88 |
| 170-180 | 685.09 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 59 | 59 | 59 | 54 |
| 1 | 101 | 98 | 95 | 93 | 94 | 92 | 89 | 87 | 79 | 77 | 76 | 68 | 67 | 66 | 57 | 56 | 56 | 51 |
| 2 | 95 | 90 | 85 | 82 | 89 | 84 | 80 | 77 | 73 | 71 | 68 | 64 | 62 | 60 | 54 | 53 | 52 | 48 |
| 3 | 89 | 82 | 77 | 73 | 83 | 78 | 73 | 69 | 68 | 65 | 62 | 60 | 58 | 56 | 52 | 50 | 49 | 46 |
| 4 | 84 | 76 | 70 | 66 | 79 | 72 | 67 | 63 | 64 | 60 | 57 | 56 | 54 | 52 | 49 | 48 | 46 | 43 |
| 5 | 79 | 71 | 64 | 60 | 74 | 67 | 61 | 57 | 60 | 56 | 53 | 53 | 50 | 48 | 47 | 45 | 44 | 41 |
| 6 | 75 | 66 | 59 | 55 | 70 | 62 | 57 | 53 | 56 | 52 | 49 | 50 | 47 | 45 | 45 | 43 | 41 | 39 |
| 7 | 71 | 61 | 55 | 51 | 67 | 58 | 53 | 49 | 53 | 49 | 46 | 48 | 45 | 42 | 43 | 41 | 39 | 37 |
| 8 | 67 | 57 | 51 | 47 | 63 | 55 | 50 | 46 | 50 | 46 | 43 | 45 | 42 | 40 | 41 | 39 | 37 | 35 |
| 9 | 64 | 54 | 48 | 44 | 60 | 52 | 46 | 43 | 47 | 43 | 40 | 43 | 40 | 38 | 39 | 37 | 35 | 34 |
| 10 | 61 | 51 | 45 | 41 | 57 | 49 | 44 | 40 | 45 | 41 | 38 | 41 | 38 | 36 | 38 | 35 | 34 | 32 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.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 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 3H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 4H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 6H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 8H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 12H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |

UGR Viewed Endwise

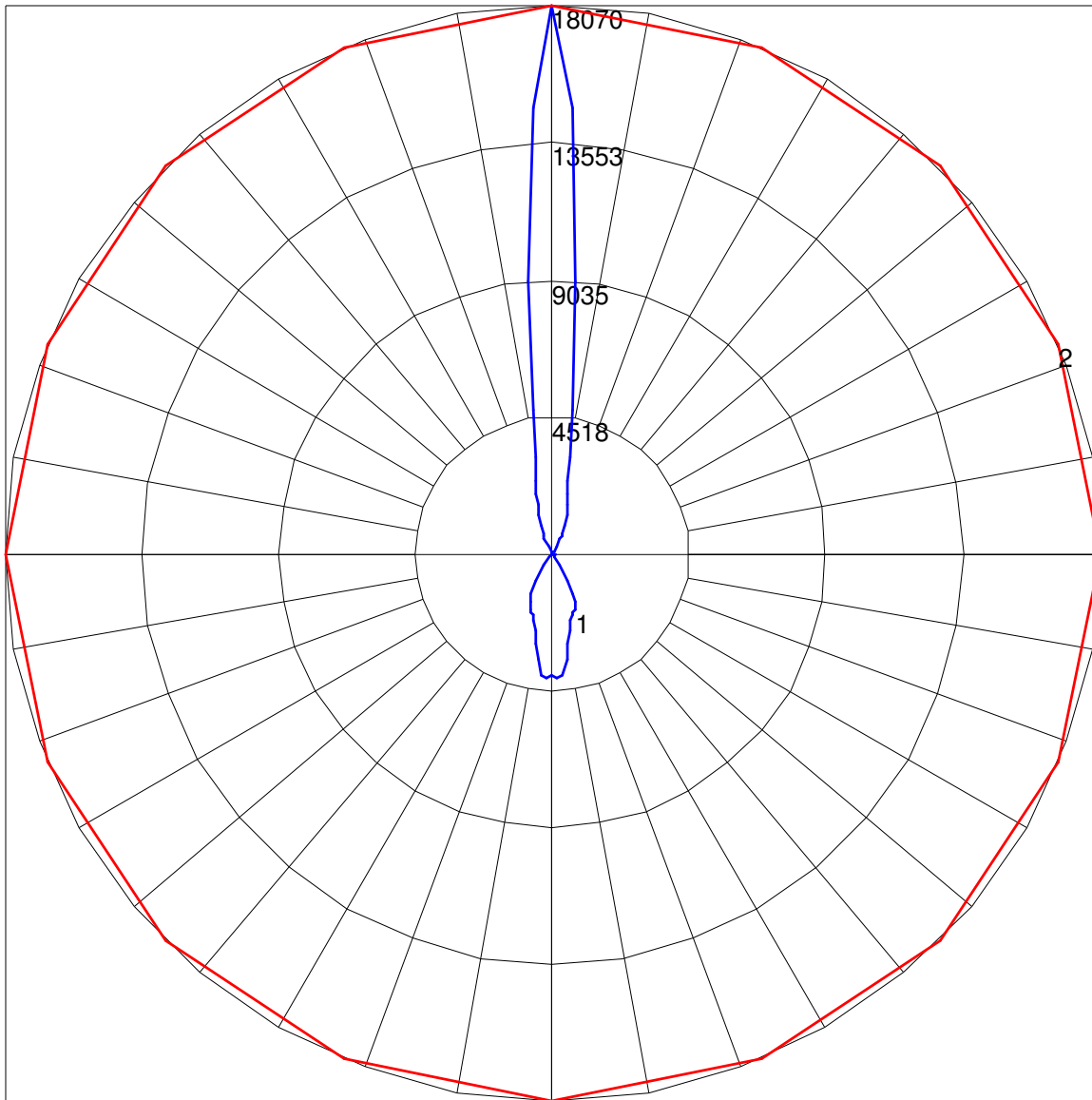
| | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4H | 2H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 3H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 4H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 6H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 8H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 12H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 8H | 4H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 6H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 8H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 12H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 12H | 4H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 6H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | 8H | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |

Maximum UGR = 4.7

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CRDI-TL-L20-835U-L20-835D-XXX-DIM1-UNV-ON-CSU-OM-CSD-WM_.IES

POLAR GRAPH



Maximum Candela = 18070 Located At Horizontal Angle = 0, Vertical Angle = 180

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

2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)