

IES INDOOR REPORT**PHOTOMETRIC FILENAME : WA1212LEDLX-65L35KE1-WA1315XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] 102668521CRT-001
[TESTLAB] Intertek
[ISSUE DATE] 08/10/2016
[UPDATE] 10/12/2016
[LAB-REF LUMCAT] CRT1607200959-002
[MANUFAC] Spectrum Lighting
[LUMCAT] WA1212LEDLX-65L-35K-E1-WA1315-MW
[LUMINAIRE] 12" Diam. LED Opal Acrylic Pendant
[OTHER] Matte White finish on metal parts
[OTHER] LED Driver remote from heat sink and emitter
[LAMP] N/A
[LAMPCAT] N/A
[OTHER] Total Luminaire Watts is approximate
[OTHER] CCT Output Multipliers: 40K x 1.031, 30K x 0.979, 27K x 0.959
[OTHER] Cat. No. change from 60W to 65L
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 5969 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 106 |
| Total Luminaire Watts | 56.3 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.46 |
| Spacing Criterion (90-270) | 1.46 |
| Spacing Criterion (Diagonal) | 1.68 |
| Basic Luminous Shape | Circular w/ Sides |
| Luminous Length (0-180) | 1.06 ft (Diameter) |
| Luminous Width (90-270) | 1.06 ft (Diameter) |
| Luminous Height | 0.75 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 7007 | 6991 | 7010 |
| 55 | 6989 | 6954 | 6966 |
| 65 | 6998 | 6959 | 6958 |
| 75 | 7050 | 7012 | 7000 |
| 85 | 7126 | 7110 | 7072 |

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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 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 |
| 2.5 | 826.8 | 826.6 | 826.4 | 826.3 | 826.7 | 826.3 | 826.4 | 826.6 | 826.8 | 826.6 |
| 5.0 | 824.6 | 824.4 | 824.3 | 824.4 | 824.5 | 824.4 | 824.3 | 824.4 | 824.6 | 824.4 |
| 7.5 | 821.5 | 820.9 | 821.1 | 821.1 | 821.4 | 821.1 | 821.1 | 820.9 | 821.5 | 820.9 |
| 10.0 | 817.1 | 817.1 | 816.7 | 816.9 | 817.1 | 816.9 | 816.7 | 817.1 | 817.1 | 817.1 |
| 12.5 | 812.1 | 812.3 | 811.8 | 812.1 | 812.8 | 812.1 | 811.8 | 812.3 | 812.1 | 812.3 |
| 15.0 | 806.5 | 806.6 | 806.4 | 806.8 | 807.0 | 806.8 | 806.4 | 806.6 | 806.5 | 806.6 |
| 17.5 | 800.2 | 800.1 | 800.3 | 800.7 | 800.7 | 800.7 | 800.3 | 800.1 | 800.2 | 800.1 |
| 20.0 | 792.5 | 792.1 | 793.0 | 793.8 | 794.0 | 793.8 | 793.0 | 792.1 | 792.5 | 792.1 |
| 22.5 | 784.8 | 784.7 | 786.3 | 787.2 | 786.4 | 787.2 | 786.3 | 784.7 | 784.8 | 784.7 |
| 25.0 | 781.5 | 782.2 | 783.2 | 784.3 | 783.8 | 784.3 | 783.2 | 782.2 | 781.5 | 782.2 |
| 27.5 | 780.6 | 781.6 | 782.3 | 783.2 | 783.1 | 783.2 | 782.3 | 781.6 | 780.6 | 781.6 |
| 30.0 | 780.4 | 781.4 | 781.7 | 782.6 | 783.1 | 782.6 | 781.7 | 781.4 | 780.4 | 781.4 |
| 32.5 | 780.1 | 781.3 | 780.8 | 781.8 | 782.6 | 781.8 | 780.8 | 781.3 | 780.1 | 781.3 |
| 35.0 | 779.7 | 780.7 | 780.2 | 781.2 | 782.0 | 781.2 | 780.2 | 780.7 | 779.7 | 780.7 |
| 37.5 | 779.1 | 779.8 | 779.2 | 780.0 | 781.2 | 780.0 | 779.2 | 779.8 | 779.1 | 779.8 |
| 40.0 | 778.3 | 778.4 | 777.6 | 778.1 | 779.4 | 778.1 | 777.6 | 778.4 | 778.3 | 778.4 |
| 42.5 | 776.2 | 776.0 | 774.9 | 775.4 | 776.7 | 775.4 | 774.9 | 776.0 | 776.2 | 776.0 |
| 45.0 | 772.9 | 772.5 | 771.1 | 771.7 | 773.2 | 771.7 | 771.1 | 772.5 | 772.9 | 772.5 |
| 47.5 | 769.0 | 768.3 | 766.5 | 766.9 | 768.5 | 766.9 | 766.5 | 768.3 | 769.0 | 768.3 |
| 50.0 | 764.1 | 763.6 | 761.3 | 761.9 | 763.3 | 761.9 | 761.3 | 763.6 | 764.1 | 763.6 |
| 52.5 | 759.0 | 757.7 | 755.5 | 755.6 | 757.0 | 755.6 | 755.5 | 757.7 | 759.0 | 757.7 |
| 55.0 | 752.2 | 751.2 | 748.4 | 748.4 | 749.7 | 748.4 | 748.4 | 751.2 | 752.2 | 751.2 |
| 57.5 | 744.2 | 743.2 | 740.1 | 740.1 | 741.1 | 740.1 | 740.1 | 743.2 | 744.2 | 743.2 |
| 60.0 | 735.0 | 733.8 | 731.0 | 730.6 | 731.6 | 730.6 | 731.0 | 733.8 | 735.0 | 733.8 |
| 62.5 | 724.4 | 723.5 | 720.2 | 720.0 | 720.6 | 720.0 | 720.2 | 723.5 | 724.4 | 723.5 |
| 65.0 | 711.6 | 710.7 | 707.6 | 707.0 | 707.5 | 707.0 | 707.6 | 710.7 | 711.6 | 710.7 |
| 67.5 | 698.2 | 697.7 | 694.1 | 693.2 | 694.0 | 693.2 | 694.1 | 697.7 | 698.2 | 697.7 |
| 70.0 | 684.0 | 683.5 | 680.2 | 679.1 | 679.5 | 679.1 | 680.2 | 683.5 | 684.0 | 683.5 |
| 72.5 | 669.0 | 668.2 | 665.4 | 664.1 | 664.6 | 664.1 | 665.4 | 668.2 | 669.0 | 668.2 |
| 75.0 | 653.2 | 652.2 | 649.6 | 648.2 | 648.5 | 648.2 | 649.6 | 652.2 | 653.2 | 652.2 |
| 77.5 | 635.6 | 635.1 | 632.5 | 630.8 | 631.4 | 630.8 | 632.5 | 635.1 | 635.6 | 635.1 |
| 80.0 | 617.3 | 616.6 | 614.3 | 612.7 | 612.6 | 612.7 | 614.3 | 616.6 | 617.3 | 616.6 |
| 82.5 | 597.3 | 596.4 | 594.6 | 592.7 | 592.4 | 592.7 | 594.6 | 596.4 | 597.3 | 596.4 |
| 85.0 | 575.8 | 576.4 | 574.5 | 572.3 | 571.4 | 572.3 | 574.5 | 576.4 | 575.8 | 576.4 |
| 87.5 | 554.4 | 555.7 | 553.3 | 551.3 | 549.6 | 551.3 | 553.3 | 555.7 | 554.4 | 555.7 |
| 90.0 | 532.9 | 534.4 | 532.5 | 531.0 | 527.5 | 531.0 | 532.5 | 534.4 | 532.9 | 534.4 |
| 92.5 | 509.8 | 512.3 | 509.9 | 508.4 | 505.1 | 508.4 | 509.9 | 512.3 | 509.8 | 512.3 |
| 95.0 | 487.0 | 489.4 | 486.9 | 485.3 | 482.0 | 485.3 | 486.9 | 489.4 | 487.0 | 489.4 |
| 97.5 | 463.3 | 466.0 | 463.4 | 461.9 | 458.2 | 461.9 | 463.4 | 466.0 | 463.3 | 466.0 |
| 100.0 | 440.0 | 442.2 | 439.8 | 438.3 | 434.5 | 438.3 | 439.8 | 442.2 | 440.0 | 442.2 |
| 102.5 | 415.7 | 418.1 | 415.4 | 414.2 | 410.2 | 414.2 | 415.4 | 418.1 | 415.7 | 418.1 |
| 105.0 | 390.9 | 393.1 | 390.5 | 389.5 | 385.9 | 389.5 | 390.5 | 393.1 | 390.9 | 393.1 |
| 107.5 | 366.0 | 367.5 | 365.4 | 364.4 | 360.6 | 364.4 | 365.4 | 367.5 | 366.0 | 367.5 |
| 110.0 | 341.6 | 342.6 | 340.3 | 339.8 | 336.2 | 339.8 | 340.3 | 342.6 | 341.6 | 342.6 |
| 112.5 | 317.7 | 317.9 | 315.6 | 315.5 | 312.4 | 315.5 | 315.6 | 317.9 | 317.7 | 317.9 |
| 115.0 | 293.9 | 293.3 | 290.9 | 291.0 | 288.2 | 291.0 | 290.9 | 293.3 | 293.9 | 293.3 |
| 117.5 | 269.5 | 268.4 | 266.2 | 266.3 | 264.1 | 266.3 | 266.2 | 268.4 | 269.5 | 268.4 |
| 120.0 | 245.9 | 243.8 | 241.8 | 242.2 | 240.6 | 242.2 | 241.8 | 243.8 | 245.9 | 243.8 |
| 122.5 | 222.7 | 219.6 | 217.9 | 218.2 | 217.4 | 218.2 | 217.9 | 219.6 | 222.7 | 219.6 |
| 125.0 | 200.1 | 195.8 | 194.1 | 194.8 | 194.9 | 194.8 | 194.1 | 195.8 | 200.1 | 195.8 |
| 127.5 | 178.5 | 172.7 | 171.4 | 172.0 | 173.3 | 172.0 | 171.4 | 172.7 | 178.5 | 172.7 |
| 130.0 | 157.1 | 150.3 | 148.6 | 149.7 | 152.2 | 149.7 | 148.6 | 150.3 | 157.1 | 150.3 |
| 132.5 | 136.5 | 128.7 | 127.0 | 128.2 | 132.2 | 128.2 | 127.0 | 128.7 | 136.5 | 128.7 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 135.0 | 116.6 | 107.8 | 105.9 | 107.5 | 112.6 | 107.5 | 105.9 | 107.8 | 116.6 | 107.8 |
| 137.5 | 97.7 | 88.2 | 86.2 | 87.8 | 94.6 | 87.8 | 86.2 | 88.2 | 97.7 | 88.2 |
| 140.0 | 79.4 | 69.9 | 67.0 | 69.0 | 77.0 | 69.0 | 67.0 | 69.9 | 79.4 | 69.9 |
| 142.5 | 62.0 | 53.8 | 49.6 | 52.7 | 60.6 | 52.7 | 49.6 | 53.8 | 62.0 | 53.8 |
| 145.0 | 46.0 | 39.5 | 34.0 | 38.6 | 45.8 | 38.6 | 34.0 | 39.5 | 46.0 | 39.5 |
| 147.5 | 31.3 | 26.8 | 20.7 | 26.1 | 31.7 | 26.1 | 20.7 | 26.8 | 31.3 | 26.8 |
| 150.0 | 18.6 | 16.2 | 11.2 | 15.9 | 19.2 | 15.9 | 11.2 | 16.2 | 18.6 | 16.2 |
| 152.5 | 8.5 | 7.8 | 4.2 | 7.9 | 9.2 | 7.9 | 4.2 | 7.8 | 8.5 | 7.8 |
| 155.0 | 1.9 | 1.4 | 0.5 | 1.3 | 2.6 | 1.3 | 0.5 | 1.4 | 1.9 | 1.4 |
| 157.5 | 0.3 | 0.1 | 0.0 | 0.2 | 0.1 | 0.2 | 0.0 | 0.1 | 0.3 | 0.1 |
| 160.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.2 |
| 165.0 | 0.1 | 0.1 | 0.1 | 0.5 | 0.0 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 |
| 167.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.6 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 170.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 | 827.4 |
| 2.5 | 826.4 | 826.3 | 826.7 | 826.3 | 826.4 | 826.6 | 826.8 |
| 5.0 | 824.3 | 824.4 | 824.5 | 824.4 | 824.3 | 824.4 | 824.6 |
| 7.5 | 821.1 | 821.1 | 821.4 | 821.1 | 821.1 | 820.9 | 821.5 |
| 10.0 | 816.7 | 816.9 | 817.1 | 816.9 | 816.7 | 817.1 | 817.1 |
| 12.5 | 811.8 | 812.1 | 812.8 | 812.1 | 811.8 | 812.3 | 812.1 |
| 15.0 | 806.4 | 806.8 | 807.0 | 806.8 | 806.4 | 806.6 | 806.5 |
| 17.5 | 800.3 | 800.7 | 800.7 | 800.7 | 800.3 | 800.1 | 800.2 |
| 20.0 | 793.0 | 793.8 | 794.0 | 793.8 | 793.0 | 792.1 | 792.5 |
| 22.5 | 786.3 | 787.2 | 786.4 | 787.2 | 786.3 | 784.7 | 784.8 |
| 25.0 | 783.2 | 784.3 | 783.8 | 784.3 | 783.2 | 782.2 | 781.5 |
| 27.5 | 782.3 | 783.2 | 783.1 | 783.2 | 782.3 | 781.6 | 780.6 |
| 30.0 | 781.7 | 782.6 | 783.1 | 782.6 | 781.7 | 781.4 | 780.4 |
| 32.5 | 780.8 | 781.8 | 782.6 | 781.8 | 780.8 | 781.3 | 780.1 |
| 35.0 | 780.2 | 781.2 | 782.0 | 781.2 | 780.2 | 780.7 | 779.7 |
| 37.5 | 779.2 | 780.0 | 781.2 | 780.0 | 779.2 | 779.8 | 779.1 |
| 40.0 | 777.6 | 778.1 | 779.4 | 778.1 | 777.6 | 778.4 | 778.3 |
| 42.5 | 774.9 | 775.4 | 776.7 | 775.4 | 774.9 | 776.0 | 776.2 |
| 45.0 | 771.1 | 771.7 | 773.2 | 771.7 | 771.1 | 772.5 | 772.9 |
| 47.5 | 766.5 | 766.9 | 768.5 | 766.9 | 766.5 | 768.3 | 769.0 |
| 50.0 | 761.3 | 761.9 | 763.3 | 761.9 | 761.3 | 763.6 | 764.1 |
| 52.5 | 755.5 | 755.6 | 757.0 | 755.6 | 755.5 | 757.7 | 759.0 |
| 55.0 | 748.4 | 748.4 | 749.7 | 748.4 | 748.4 | 751.2 | 752.2 |
| 57.5 | 740.1 | 740.1 | 741.1 | 740.1 | 740.1 | 743.2 | 744.2 |
| 60.0 | 731.0 | 730.6 | 731.6 | 730.6 | 731.0 | 733.8 | 735.0 |
| 62.5 | 720.2 | 720.0 | 720.6 | 720.0 | 720.2 | 723.5 | 724.4 |
| 65.0 | 707.6 | 707.0 | 707.5 | 707.0 | 707.6 | 710.7 | 711.6 |
| 67.5 | 694.1 | 693.2 | 694.0 | 693.2 | 694.1 | 697.7 | 698.2 |
| 70.0 | 680.2 | 679.1 | 679.5 | 679.1 | 680.2 | 683.5 | 684.0 |
| 72.5 | 665.4 | 664.1 | 664.6 | 664.1 | 665.4 | 668.2 | 669.0 |
| 75.0 | 649.6 | 648.2 | 648.5 | 648.2 | 649.6 | 652.2 | 653.2 |
| 77.5 | 632.5 | 630.8 | 631.4 | 630.8 | 632.5 | 635.1 | 635.6 |
| 80.0 | 614.3 | 612.7 | 612.6 | 612.7 | 614.3 | 616.6 | 617.3 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 82.5 | 594.6 | 592.7 | 592.4 | 592.7 | 594.6 | 596.4 | 597.3 |
| 85.0 | 574.5 | 572.3 | 571.4 | 572.3 | 574.5 | 576.4 | 575.8 |
| 87.5 | 553.3 | 551.3 | 549.6 | 551.3 | 553.3 | 555.7 | 554.4 |
| 90.0 | 532.5 | 531.0 | 527.5 | 531.0 | 532.5 | 534.4 | 532.9 |
| 92.5 | 509.9 | 508.4 | 505.1 | 508.4 | 509.9 | 512.3 | 509.8 |
| 95.0 | 486.9 | 485.3 | 482.0 | 485.3 | 486.9 | 489.4 | 487.0 |
| 97.5 | 463.4 | 461.9 | 458.2 | 461.9 | 463.4 | 466.0 | 463.3 |
| 100.0 | 439.8 | 438.3 | 434.5 | 438.3 | 439.8 | 442.2 | 440.0 |
| 102.5 | 415.4 | 414.2 | 410.2 | 414.2 | 415.4 | 418.1 | 415.7 |
| 105.0 | 390.5 | 389.5 | 385.9 | 389.5 | 390.5 | 393.1 | 390.9 |
| 107.5 | 365.4 | 364.4 | 360.6 | 364.4 | 365.4 | 367.5 | 366.0 |
| 110.0 | 340.3 | 339.8 | 336.2 | 339.8 | 340.3 | 342.6 | 341.6 |
| 112.5 | 315.6 | 315.5 | 312.4 | 315.5 | 315.6 | 317.9 | 317.7 |
| 115.0 | 290.9 | 291.0 | 288.2 | 291.0 | 290.9 | 293.3 | 293.9 |
| 117.5 | 266.2 | 266.3 | 264.1 | 266.3 | 266.2 | 268.4 | 269.5 |
| 120.0 | 241.8 | 242.2 | 240.6 | 242.2 | 241.8 | 243.8 | 245.9 |
| 122.5 | 217.9 | 218.2 | 217.4 | 218.2 | 217.9 | 219.6 | 222.7 |
| 125.0 | 194.1 | 194.8 | 194.9 | 194.8 | 194.1 | 195.8 | 200.1 |
| 127.5 | 171.4 | 172.0 | 173.3 | 172.0 | 171.4 | 172.7 | 178.5 |
| 130.0 | 148.6 | 149.7 | 152.2 | 149.7 | 148.6 | 150.3 | 157.1 |
| 132.5 | 127.0 | 128.2 | 132.2 | 128.2 | 127.0 | 128.7 | 136.5 |
| 135.0 | 105.9 | 107.5 | 112.6 | 107.5 | 105.9 | 107.8 | 116.6 |
| 137.5 | 86.2 | 87.8 | 94.6 | 87.8 | 86.2 | 88.2 | 97.7 |
| 140.0 | 67.0 | 69.0 | 77.0 | 69.0 | 67.0 | 69.9 | 79.4 |
| 142.5 | 49.6 | 52.7 | 60.6 | 52.7 | 49.6 | 53.8 | 62.0 |
| 145.0 | 34.0 | 38.6 | 45.8 | 38.6 | 34.0 | 39.5 | 46.0 |
| 147.5 | 20.7 | 26.1 | 31.7 | 26.1 | 20.7 | 26.8 | 31.3 |
| 150.0 | 11.2 | 15.9 | 19.2 | 15.9 | 11.2 | 16.2 | 18.6 |
| 152.5 | 4.2 | 7.9 | 9.2 | 7.9 | 4.2 | 7.8 | 8.5 |
| 155.0 | 0.5 | 1.3 | 2.6 | 1.3 | 0.5 | 1.4 | 1.9 |
| 157.5 | 0.0 | 0.2 | 0.1 | 0.2 | 0.0 | 0.1 | 0.3 |
| 160.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 |
| 165.0 | 0.1 | 0.5 | 0.0 | 0.5 | 0.1 | 0.1 | 0.1 |
| 167.5 | 0.1 | 0.1 | 0.6 | 0.1 | 0.1 | 0.0 | 0.0 |
| 170.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 306.60 | N.A. | 5.10 |
| 0-30 | 669.67 | N.A. | 11.20 |
| 0-40 | 1159.92 | N.A. | 19.40 |
| 0-60 | 2428.77 | N.A. | 40.70 |
| 0-80 | 3817.91 | N.A. | 64.00 |
| 0-90 | 4443.87 | N.A. | 74.50 |
| 10-90 | 4365.41 | N.A. | 73.10 |
| 20-40 | 853.32 | N.A. | 14.30 |
| 20-50 | 1450.6 | N.A. | 24.30 |
| 40-70 | 1971.35 | N.A. | 33.00 |
| 60-80 | 1389.14 | N.A. | 23.30 |
| 70-80 | 686.65 | N.A. | 11.50 |
| 80-90 | 625.96 | N.A. | 10.50 |
| 90-110 | 943.71 | N.A. | 15.80 |
| 90-120 | 1233.69 | N.A. | 20.70 |
| 90-130 | 1410.39 | N.A. | 23.60 |
| 90-150 | 1522.57 | N.A. | 25.50 |
| 90-180 | 1524.71 | N.A. | 25.50 |
| 110-180 | 581.01 | N.A. | 9.70 |
| 0-180 | 5968.58 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 78.46 |
| 10-20 | 228.14 |
| 20-30 | 363.07 |
| 30-40 | 490.25 |
| 40-50 | 597.28 |
| 50-60 | 671.57 |
| 60-70 | 702.50 |
| 70-80 | 686.65 |
| 80-90 | 625.96 |
| 90-100 | 530.58 |
| 100-110 | 413.12 |
| 110-120 | 289.99 |
| 120-130 | 176.69 |
| 130-140 | 85.84 |
| 140-150 | 26.35 |
| 150-160 | 2.11 |
| 160-170 | 0.03 |
| 170-180 | 0.00 |

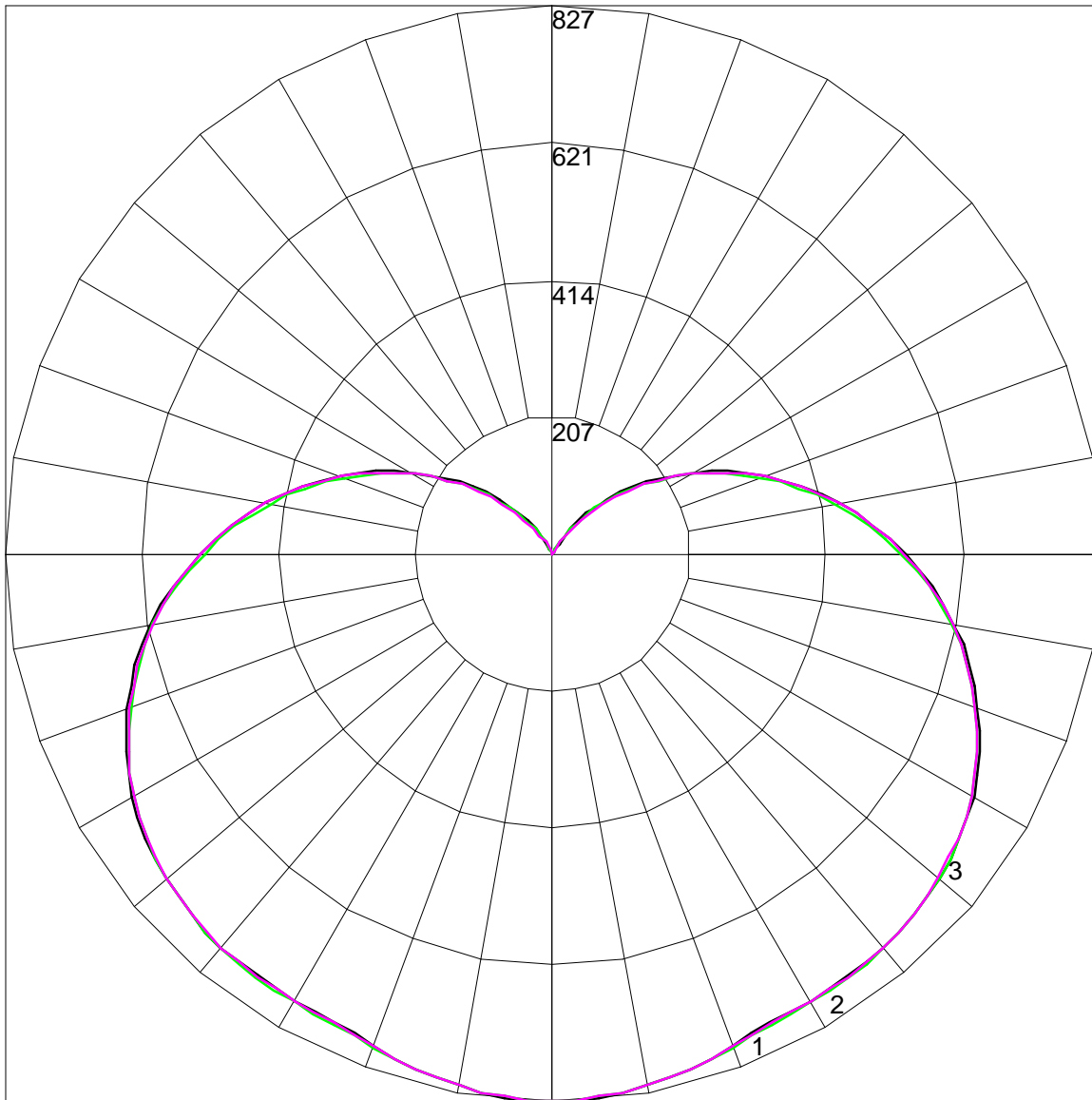
IES INDOOR REPORT
PHOTOMETRIC FILENAME : WA1212LEDLX-65L35KE1-WA1315XX.IES

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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 79 | 79 | 79 | 74 |
| 1 | 98 | 91 | 85 | 80 | 93 | 87 | 81 | 76 | 77 | 73 | 69 | 69 | 66 | 62 | 61 | 59 | 56 | 52 |
| 2 | 87 | 77 | 68 | 61 | 82 | 73 | 65 | 59 | 65 | 59 | 53 | 58 | 53 | 48 | 51 | 47 | 43 | 40 |
| 3 | 78 | 66 | 56 | 49 | 74 | 62 | 54 | 47 | 56 | 48 | 43 | 49 | 44 | 39 | 44 | 39 | 35 | 31 |
| 4 | 71 | 58 | 48 | 40 | 67 | 54 | 45 | 38 | 49 | 41 | 35 | 43 | 37 | 32 | 38 | 33 | 29 | 25 |
| 5 | 65 | 51 | 41 | 33 | 61 | 48 | 39 | 32 | 43 | 35 | 29 | 38 | 32 | 27 | 34 | 28 | 24 | 21 |
| 6 | 60 | 45 | 35 | 29 | 56 | 43 | 34 | 27 | 38 | 31 | 25 | 34 | 28 | 23 | 30 | 25 | 21 | 18 |
| 7 | 55 | 41 | 31 | 25 | 52 | 39 | 30 | 24 | 35 | 27 | 22 | 31 | 25 | 20 | 28 | 22 | 18 | 16 |
| 8 | 51 | 37 | 28 | 22 | 48 | 35 | 27 | 21 | 31 | 24 | 19 | 28 | 22 | 17 | 25 | 20 | 16 | 14 |
| 9 | 47 | 33 | 25 | 19 | 45 | 32 | 24 | 18 | 29 | 22 | 17 | 26 | 20 | 16 | 23 | 18 | 14 | 12 |
| 10 | 44 | 31 | 22 | 17 | 42 | 29 | 22 | 16 | 26 | 20 | 15 | 24 | 18 | 14 | 21 | 16 | 13 | 11 |

POLAR GRAPH



Maximum Candela = 827.4 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)