

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALX16LX-140L35KEX-AL16-CFG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] 7/27/2018

[UPDATE] 8/3/2018

[TEST] SP-00467_19

[MANUFAC] Spectrum Lighting

[LUMCAT] ALX16LX-140L-35K-EX-AL16-CFG-xx

[LUMINAIRE] 16" Diam. Alum. Reflector LED Tech Pendant w/ Center Frosted Glass Disc

[OTHER] 22" Diam. Sodalime Glass disc, w/ 16" Diam. Frosted Center Pattern

[OTHER] Matte white, inside reflector finish

[OTHER] 75.5 Deg. Beam Angle

[OTHER] 97.8% Downlight, 2.2% Uplight

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] Adapted from Intertek LX-AL16 test luminaire ref. CRT1709151315-001-006

[OTHER] This report updated by Spectrum Lighting

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9395 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 84 |
| Total Luminaire Watts | 111.89 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.06 |
| Spacing Criterion (90-270) | 1.06 |
| Spacing Criterion (Diagonal) | 1.10 |
| Basic Luminous Shape | Circular w/ Sides |
| Luminous Length (0-180) | 1.33 ft (Diameter) |
| Luminous Width (90-270) | 1.33 ft (Diameter) |
| Luminous Height | 0.92 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 10626 | 10708 | 10698 |
| 55 | 6392 | 6303 | 6295 |
| 65 | 3697 | 3737 | 3823 |
| 75 | 2008 | 2005 | 2051 |
| 85 | 906 | 892 | 920 |

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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 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 |
| 2.5 | 5454.72 | 5447.43 | 5393.24 | 5410.25 | 5418.70 | 5410.25 | 5393.24 | 5447.43 | 5454.72 | 5447.43 |
| 5.0 | 5459.06 | 5444.48 | 5336.11 | 5370.13 | 5387.02 | 5370.13 | 5336.11 | 5444.48 | 5459.06 | 5444.48 |
| 7.5 | 5388.96 | 5344.34 | 5301.51 | 5333.55 | 5333.00 | 5333.55 | 5301.51 | 5344.34 | 5388.96 | 5344.34 |
| 10.0 | 5318.86 | 5244.20 | 5266.90 | 5296.97 | 5278.98 | 5296.97 | 5266.90 | 5244.20 | 5318.86 | 5244.20 |
| 12.5 | 5165.45 | 5111.47 | 5123.92 | 5150.23 | 5114.33 | 5150.23 | 5123.92 | 5111.47 | 5165.45 | 5111.47 |
| 15.0 | 5012.04 | 4978.74 | 4980.93 | 5003.48 | 4949.67 | 5003.48 | 4980.93 | 4978.74 | 5012.04 | 4978.74 |
| 17.5 | 4833.01 | 4811.46 | 4809.17 | 4827.27 | 4776.99 | 4827.27 | 4809.17 | 4811.46 | 4833.01 | 4811.46 |
| 20.0 | 4653.98 | 4644.18 | 4637.40 | 4651.06 | 4604.30 | 4651.06 | 4637.40 | 4644.18 | 4653.98 | 4644.18 |
| 22.5 | 4460.60 | 4415.92 | 4429.99 | 4419.55 | 4421.76 | 4419.55 | 4429.99 | 4415.92 | 4460.60 | 4415.92 |
| 25.0 | 4267.22 | 4187.65 | 4222.58 | 4188.03 | 4239.21 | 4188.03 | 4222.58 | 4187.65 | 4267.22 | 4187.65 |
| 27.5 | 3973.13 | 3945.32 | 3965.26 | 3943.96 | 3972.42 | 3943.96 | 3965.26 | 3945.32 | 3973.13 | 3945.32 |
| 30.0 | 3679.04 | 3702.98 | 3707.93 | 3699.89 | 3705.62 | 3699.89 | 3707.93 | 3702.98 | 3679.04 | 3702.98 |
| 32.5 | 3405.07 | 3397.26 | 3396.62 | 3403.07 | 3391.14 | 3403.07 | 3396.62 | 3397.26 | 3405.07 | 3397.26 |
| 35.0 | 3131.10 | 3091.53 | 3085.31 | 3106.25 | 3076.65 | 3106.25 | 3085.31 | 3091.53 | 3131.10 | 3091.53 |
| 37.5 | 2791.70 | 2750.03 | 2768.56 | 2770.05 | 2766.38 | 2770.05 | 2768.56 | 2750.03 | 2791.70 | 2750.03 |
| 40.0 | 2452.29 | 2408.53 | 2451.81 | 2433.84 | 2456.10 | 2433.84 | 2451.81 | 2408.53 | 2452.29 | 2408.53 |
| 42.5 | 2138.98 | 2110.82 | 2145.79 | 2129.17 | 2147.04 | 2129.17 | 2145.79 | 2110.82 | 2138.98 | 2110.82 |
| 45.0 | 1825.67 | 1813.10 | 1839.76 | 1824.49 | 1837.97 | 1824.49 | 1839.76 | 1813.10 | 1825.67 | 1813.10 |
| 47.5 | 1604.62 | 1600.61 | 1611.10 | 1603.46 | 1615.81 | 1603.46 | 1611.10 | 1600.61 | 1604.62 | 1600.61 |
| 50.0 | 1383.57 | 1388.12 | 1382.44 | 1382.43 | 1393.65 | 1382.43 | 1382.44 | 1388.12 | 1383.57 | 1388.12 |
| 52.5 | 1226.53 | 1225.22 | 1218.52 | 1227.32 | 1223.39 | 1227.32 | 1218.52 | 1225.22 | 1226.53 | 1225.22 |
| 55.0 | 1069.48 | 1062.32 | 1054.60 | 1072.21 | 1053.12 | 1072.21 | 1054.60 | 1062.32 | 1069.48 | 1062.32 |
| 57.5 | 934.96 | 936.07 | 926.97 | 943.29 | 929.70 | 943.29 | 926.97 | 936.07 | 934.96 | 936.07 |
| 60.0 | 800.44 | 809.82 | 799.35 | 814.38 | 806.28 | 814.38 | 799.35 | 809.82 | 800.44 | 809.82 |
| 62.5 | 691.81 | 701.85 | 694.39 | 704.21 | 704.65 | 704.21 | 694.39 | 701.85 | 691.81 | 701.85 |
| 65.0 | 583.17 | 593.88 | 589.42 | 594.04 | 603.01 | 594.04 | 589.42 | 593.88 | 583.17 | 593.88 |
| 67.5 | 500.21 | 510.70 | 509.73 | 509.67 | 518.07 | 509.67 | 509.73 | 510.70 | 500.21 | 510.70 |
| 70.0 | 417.25 | 427.51 | 430.03 | 425.30 | 433.12 | 425.30 | 430.03 | 427.51 | 417.25 | 427.51 |
| 72.5 | 352.58 | 359.79 | 358.73 | 358.09 | 363.57 | 358.09 | 358.73 | 359.79 | 352.58 | 359.79 |
| 75.0 | 287.90 | 292.07 | 287.42 | 290.88 | 294.01 | 290.88 | 287.42 | 292.07 | 287.90 | 292.07 |
| 77.5 | 240.20 | 240.30 | 239.19 | 241.16 | 245.43 | 241.16 | 239.19 | 240.30 | 240.20 | 240.30 |
| 80.0 | 192.49 | 188.52 | 190.96 | 191.43 | 196.84 | 191.43 | 190.96 | 188.52 | 192.49 | 188.52 |
| 82.5 | 152.68 | 149.48 | 151.07 | 150.89 | 155.77 | 150.89 | 151.07 | 149.48 | 152.68 | 149.48 |
| 85.0 | 112.86 | 110.43 | 111.18 | 110.35 | 114.70 | 110.35 | 111.18 | 110.43 | 112.86 | 110.43 |
| 87.5 | 65.86 | 65.55 | 65.50 | 64.26 | 67.25 | 64.26 | 65.50 | 65.55 | 65.86 | 65.55 |
| 90.0 | 18.86 | 20.66 | 19.82 | 18.17 | 19.80 | 18.17 | 19.82 | 20.66 | 18.86 | 20.66 |
| 92.5 | 29.20 | 29.93 | 28.95 | 28.87 | 29.54 | 28.87 | 28.95 | 29.93 | 29.20 | 29.93 |
| 95.0 | 39.54 | 39.19 | 38.08 | 39.56 | 39.28 | 39.56 | 38.08 | 39.19 | 39.54 | 39.19 |
| 97.5 | 49.85 | 49.91 | 49.18 | 50.56 | 50.49 | 50.56 | 49.18 | 49.91 | 49.85 | 49.91 |
| 100.0 | 60.15 | 60.62 | 60.28 | 61.56 | 61.69 | 61.56 | 60.28 | 60.62 | 60.15 | 60.62 |
| 102.5 | 58.69 | 57.56 | 59.54 | 59.10 | 58.50 | 59.10 | 59.54 | 57.56 | 58.69 | 57.56 |
| 105.0 | 57.22 | 54.49 | 58.80 | 56.63 | 55.30 | 56.63 | 58.80 | 54.49 | 57.22 | 54.49 |
| 107.5 | 53.66 | 52.59 | 53.41 | 51.89 | 52.28 | 51.89 | 53.41 | 52.59 | 53.66 | 52.59 |
| 110.0 | 50.10 | 50.68 | 48.01 | 47.14 | 49.26 | 47.14 | 48.01 | 50.68 | 50.10 | 50.68 |
| 112.5 | 43.48 | 44.63 | 42.37 | 42.83 | 42.16 | 42.83 | 42.37 | 44.63 | 43.48 | 44.63 |
| 115.0 | 36.85 | 38.57 | 36.73 | 38.52 | 35.06 | 38.52 | 36.73 | 38.57 | 36.85 | 38.57 |
| 117.5 | 33.32 | 35.71 | 33.48 | 34.39 | 32.99 | 34.39 | 33.48 | 35.71 | 33.32 | 35.71 |
| 120.0 | 29.79 | 32.84 | 30.22 | 30.25 | 30.91 | 30.25 | 30.22 | 32.84 | 29.79 | 32.84 |
| 122.5 | 28.65 | 27.72 | 27.59 | 27.44 | 28.45 | 27.44 | 27.59 | 27.72 | 28.65 | 27.72 |
| 125.0 | 27.51 | 22.60 | 24.96 | 24.63 | 25.99 | 24.63 | 24.96 | 22.60 | 27.51 | 22.60 |
| 127.5 | 23.49 | 20.54 | 21.62 | 22.63 | 21.82 | 22.63 | 21.62 | 20.54 | 23.49 | 20.54 |
| 130.0 | 19.47 | 18.47 | 18.28 | 20.63 | 17.64 | 20.63 | 18.28 | 18.47 | 19.47 | 18.47 |
| 132.5 | 17.98 | 17.74 | 17.86 | 18.35 | 18.40 | 18.35 | 17.86 | 17.74 | 17.98 | 17.74 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 135.0 | 16.48 | 17.01 | 17.43 | 16.06 | 19.16 | 16.06 | 17.43 | 17.01 | 16.48 | 17.01 |
| 137.5 | 19.34 | 19.07 | 19.15 | 19.31 | 19.63 | 19.31 | 19.15 | 19.07 | 19.34 | 19.07 |
| 140.0 | 22.20 | 21.13 | 20.87 | 22.55 | 20.09 | 22.55 | 20.87 | 21.13 | 22.20 | 21.13 |
| 142.5 | 22.38 | 23.12 | 22.81 | 22.86 | 22.28 | 22.86 | 22.81 | 23.12 | 22.38 | 23.12 |
| 145.0 | 22.56 | 25.10 | 24.74 | 23.16 | 24.46 | 23.16 | 24.74 | 25.10 | 22.56 | 25.10 |
| 147.5 | 22.62 | 23.71 | 22.86 | 23.76 | 22.42 | 23.76 | 22.86 | 23.71 | 22.62 | 23.71 |
| 150.0 | 22.67 | 22.32 | 20.97 | 24.36 | 20.37 | 24.36 | 20.97 | 22.32 | 22.67 | 22.32 |
| 152.5 | 19.61 | 20.32 | 19.20 | 21.10 | 19.02 | 21.10 | 19.20 | 20.32 | 19.61 | 20.32 |
| 155.0 | 16.55 | 18.31 | 17.43 | 17.83 | 17.67 | 17.83 | 17.43 | 18.31 | 16.55 | 18.31 |
| 157.5 | 14.73 | 15.61 | 15.77 | 15.37 | 16.68 | 15.37 | 15.77 | 15.61 | 14.73 | 15.61 |
| 160.0 | 12.91 | 12.91 | 14.11 | 12.90 | 15.68 | 12.90 | 14.11 | 12.91 | 12.91 | 12.91 |
| 162.5 | 11.84 | 12.17 | 10.93 | 11.44 | 14.02 | 11.44 | 10.93 | 12.17 | 11.84 | 12.17 |
| 165.0 | 10.77 | 11.42 | 7.74 | 9.98 | 12.35 | 9.98 | 7.74 | 11.42 | 10.77 | 11.42 |
| 167.5 | 8.13 | 8.55 | 7.69 | 7.44 | 8.73 | 7.44 | 7.69 | 8.55 | 8.13 | 8.55 |
| 170.0 | 5.49 | 5.68 | 7.64 | 4.90 | 5.10 | 4.90 | 7.64 | 5.68 | 5.49 | 5.68 |
| 172.5 | 3.92 | 4.01 | 5.19 | 3.04 | 3.72 | 3.04 | 5.19 | 4.01 | 3.92 | 4.01 |
| 175.0 | 2.34 | 2.34 | 2.73 | 1.17 | 2.34 | 1.17 | 2.73 | 2.34 | 2.34 | 2.34 |
| 177.5 | 1.17 | 1.17 | 1.37 | 0.59 | 1.17 | 0.59 | 1.37 | 1.17 | 1.17 | 1.17 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 | 5450.37 |
| 2.5 | 5393.24 | 5410.25 | 5418.70 | 5410.25 | 5393.24 | 5447.43 | 5454.72 |
| 5.0 | 5336.11 | 5370.13 | 5387.02 | 5370.13 | 5336.11 | 5444.48 | 5459.06 |
| 7.5 | 5301.51 | 5333.55 | 5333.00 | 5333.55 | 5301.51 | 5344.34 | 5388.96 |
| 10.0 | 5266.90 | 5296.97 | 5278.98 | 5296.97 | 5266.90 | 5244.20 | 5318.86 |
| 12.5 | 5123.92 | 5150.23 | 5114.33 | 5150.23 | 5123.92 | 5111.47 | 5165.45 |
| 15.0 | 4980.93 | 5003.48 | 4949.67 | 5003.48 | 4980.93 | 4978.74 | 5012.04 |
| 17.5 | 4809.17 | 4827.27 | 4776.99 | 4827.27 | 4809.17 | 4811.46 | 4833.01 |
| 20.0 | 4637.40 | 4651.06 | 4604.30 | 4651.06 | 4637.40 | 4644.18 | 4653.98 |
| 22.5 | 4429.99 | 4419.55 | 4421.76 | 4419.55 | 4429.99 | 4415.92 | 4460.60 |
| 25.0 | 4222.58 | 4188.03 | 4239.21 | 4188.03 | 4222.58 | 4187.65 | 4267.22 |
| 27.5 | 3965.26 | 3943.96 | 3972.42 | 3943.96 | 3965.26 | 3945.32 | 3973.13 |
| 30.0 | 3707.93 | 3699.89 | 3705.62 | 3699.89 | 3707.93 | 3702.98 | 3679.04 |
| 32.5 | 3396.62 | 3403.07 | 3391.14 | 3403.07 | 3396.62 | 3397.26 | 3405.07 |
| 35.0 | 3085.31 | 3106.25 | 3076.65 | 3106.25 | 3085.31 | 3091.53 | 3131.10 |
| 37.5 | 2768.56 | 2770.05 | 2766.38 | 2770.05 | 2768.56 | 2750.03 | 2791.70 |
| 40.0 | 2451.81 | 2433.84 | 2456.10 | 2433.84 | 2451.81 | 2408.53 | 2452.29 |
| 42.5 | 2145.79 | 2129.17 | 2147.04 | 2129.17 | 2145.79 | 2110.82 | 2138.98 |
| 45.0 | 1839.76 | 1824.49 | 1837.97 | 1824.49 | 1839.76 | 1813.10 | 1825.67 |
| 47.5 | 1611.10 | 1603.46 | 1615.81 | 1603.46 | 1611.10 | 1600.61 | 1604.62 |
| 50.0 | 1382.44 | 1382.43 | 1393.65 | 1382.43 | 1382.44 | 1388.12 | 1383.57 |
| 52.5 | 1218.52 | 1227.32 | 1223.39 | 1227.32 | 1218.52 | 1225.22 | 1226.53 |
| 55.0 | 1054.60 | 1072.21 | 1053.12 | 1072.21 | 1054.60 | 1062.32 | 1069.48 |
| 57.5 | 926.97 | 943.29 | 929.70 | 943.29 | 926.97 | 936.07 | 934.96 |
| 60.0 | 799.35 | 814.38 | 806.28 | 814.38 | 799.35 | 809.82 | 800.44 |
| 62.5 | 694.39 | 704.21 | 704.65 | 704.21 | 694.39 | 701.85 | 691.81 |
| 65.0 | 589.42 | 594.04 | 603.01 | 594.04 | 589.42 | 593.88 | 583.17 |
| 67.5 | 509.73 | 509.67 | 518.07 | 509.67 | 509.73 | 510.70 | 500.21 |
| 70.0 | 430.03 | 425.30 | 433.12 | 425.30 | 430.03 | 427.51 | 417.25 |
| 72.5 | 358.73 | 358.09 | 363.57 | 358.09 | 358.73 | 359.79 | 352.58 |
| 75.0 | 287.42 | 290.88 | 294.01 | 290.88 | 287.42 | 292.07 | 287.90 |
| 77.5 | 239.19 | 241.16 | 245.43 | 241.16 | 239.19 | 240.30 | 240.20 |
| 80.0 | 190.96 | 191.43 | 196.84 | 191.43 | 190.96 | 188.52 | 192.49 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 82.5 | 151.07 | 150.89 | 155.77 | 150.89 | 151.07 | 149.48 | 152.68 |
| 85.0 | 111.18 | 110.35 | 114.70 | 110.35 | 111.18 | 110.43 | 112.86 |
| 87.5 | 65.50 | 64.26 | 67.25 | 64.26 | 65.50 | 65.55 | 65.86 |
| 90.0 | 19.82 | 18.17 | 19.80 | 18.17 | 19.82 | 20.66 | 18.86 |
| 92.5 | 28.95 | 28.87 | 29.54 | 28.87 | 28.95 | 29.93 | 29.20 |
| 95.0 | 38.08 | 39.56 | 39.28 | 39.56 | 38.08 | 39.19 | 39.54 |
| 97.5 | 49.18 | 50.56 | 50.49 | 50.56 | 49.18 | 49.91 | 49.85 |
| 100.0 | 60.28 | 61.56 | 61.69 | 61.56 | 60.28 | 60.62 | 60.15 |
| 102.5 | 59.54 | 59.10 | 58.50 | 59.10 | 59.54 | 57.56 | 58.69 |
| 105.0 | 58.80 | 56.63 | 55.30 | 56.63 | 58.80 | 54.49 | 57.22 |
| 107.5 | 53.41 | 51.89 | 52.28 | 51.89 | 53.41 | 52.59 | 53.66 |
| 110.0 | 48.01 | 47.14 | 49.26 | 47.14 | 48.01 | 50.68 | 50.10 |
| 112.5 | 42.37 | 42.83 | 42.16 | 42.83 | 42.37 | 44.63 | 43.48 |
| 115.0 | 36.73 | 38.52 | 35.06 | 38.52 | 36.73 | 38.57 | 36.85 |
| 117.5 | 33.48 | 34.39 | 32.99 | 34.39 | 33.48 | 35.71 | 33.32 |
| 120.0 | 30.22 | 30.25 | 30.91 | 30.25 | 30.22 | 32.84 | 29.79 |
| 122.5 | 27.59 | 27.44 | 28.45 | 27.44 | 27.59 | 27.72 | 28.65 |
| 125.0 | 24.96 | 24.63 | 25.99 | 24.63 | 24.96 | 22.60 | 27.51 |
| 127.5 | 21.62 | 22.63 | 21.82 | 22.63 | 21.62 | 20.54 | 23.49 |
| 130.0 | 18.28 | 20.63 | 17.64 | 20.63 | 18.28 | 18.47 | 19.47 |
| 132.5 | 17.86 | 18.35 | 18.40 | 18.35 | 17.86 | 17.74 | 17.98 |
| 135.0 | 17.43 | 16.06 | 19.16 | 16.06 | 17.43 | 17.01 | 16.48 |
| 137.5 | 19.15 | 19.31 | 19.63 | 19.31 | 19.15 | 19.07 | 19.34 |
| 140.0 | 20.87 | 22.55 | 20.09 | 22.55 | 20.87 | 21.13 | 22.20 |
| 142.5 | 22.81 | 22.86 | 22.28 | 22.86 | 22.81 | 23.12 | 22.38 |
| 145.0 | 24.74 | 23.16 | 24.46 | 23.16 | 24.74 | 25.10 | 22.56 |
| 147.5 | 22.86 | 23.76 | 22.42 | 23.76 | 22.86 | 23.71 | 22.62 |
| 150.0 | 20.97 | 24.36 | 20.37 | 24.36 | 20.97 | 22.32 | 22.67 |
| 152.5 | 19.20 | 21.10 | 19.02 | 21.10 | 19.20 | 20.32 | 19.61 |
| 155.0 | 17.43 | 17.83 | 17.67 | 17.83 | 17.43 | 18.31 | 16.55 |
| 157.5 | 15.77 | 15.37 | 16.68 | 15.37 | 15.77 | 15.61 | 14.73 |
| 160.0 | 14.11 | 12.90 | 15.68 | 12.90 | 14.11 | 12.91 | 12.91 |
| 162.5 | 10.93 | 11.44 | 14.02 | 11.44 | 10.93 | 12.17 | 11.84 |
| 165.0 | 7.74 | 9.98 | 12.35 | 9.98 | 7.74 | 11.42 | 10.77 |
| 167.5 | 7.69 | 7.44 | 8.73 | 7.44 | 7.69 | 8.55 | 8.13 |
| 170.0 | 7.64 | 4.90 | 5.10 | 4.90 | 7.64 | 5.68 | 5.49 |
| 172.5 | 5.19 | 3.04 | 3.72 | 3.04 | 5.19 | 4.01 | 3.92 |
| 175.0 | 2.73 | 1.17 | 2.34 | 1.17 | 2.73 | 2.34 | 2.34 |
| 177.5 | 1.37 | 0.59 | 1.17 | 0.59 | 1.37 | 1.17 | 1.17 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1911.12 | N.A. | 20.30 |
| 0-30 | 3838.61 | N.A. | 40.90 |
| 0-40 | 5759.79 | N.A. | 61.30 |
| 0-60 | 8159.68 | N.A. | 86.80 |
| 0-80 | 9073.76 | N.A. | 96.60 |
| 0-90 | 9191.85 | N.A. | 97.80 |
| 10-90 | 8681.03 | N.A. | 92.40 |
| 20-40 | 3848.66 | N.A. | 41.00 |
| 20-50 | 5285.19 | N.A. | 56.30 |
| 40-70 | 2997.76 | N.A. | 31.90 |
| 60-80 | 914.08 | N.A. | 9.70 |
| 70-80 | 316.21 | N.A. | 3.40 |
| 80-90 | 118.09 | N.A. | 1.30 |
| 90-110 | 102.15 | N.A. | 1.10 |
| 90-120 | 140.65 | N.A. | 1.50 |
| 90-130 | 163.04 | N.A. | 1.70 |
| 90-150 | 191.88 | N.A. | 2.00 |
| 90-180 | 203.50 | N.A. | 2.20 |
| 110-180 | 101.35 | N.A. | 1.10 |
| 0-180 | 9395.35 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 510.82 |
| 10-20 | 1400.3 |
| 20-30 | 1927.49 |
| 30-40 | 1921.17 |
| 40-50 | 1436.52 |
| 50-60 | 963.37 |
| 60-70 | 597.87 |
| 70-80 | 316.21 |
| 80-90 | 118.09 |
| 90-100 | 43.17 |
| 100-110 | 58.98 |
| 110-120 | 38.50 |
| 120-130 | 22.39 |
| 130-140 | 14.41 |
| 140-150 | 14.43 |
| 150-160 | 8.36 |
| 160-170 | 2.93 |
| 170-180 | 0.33 |

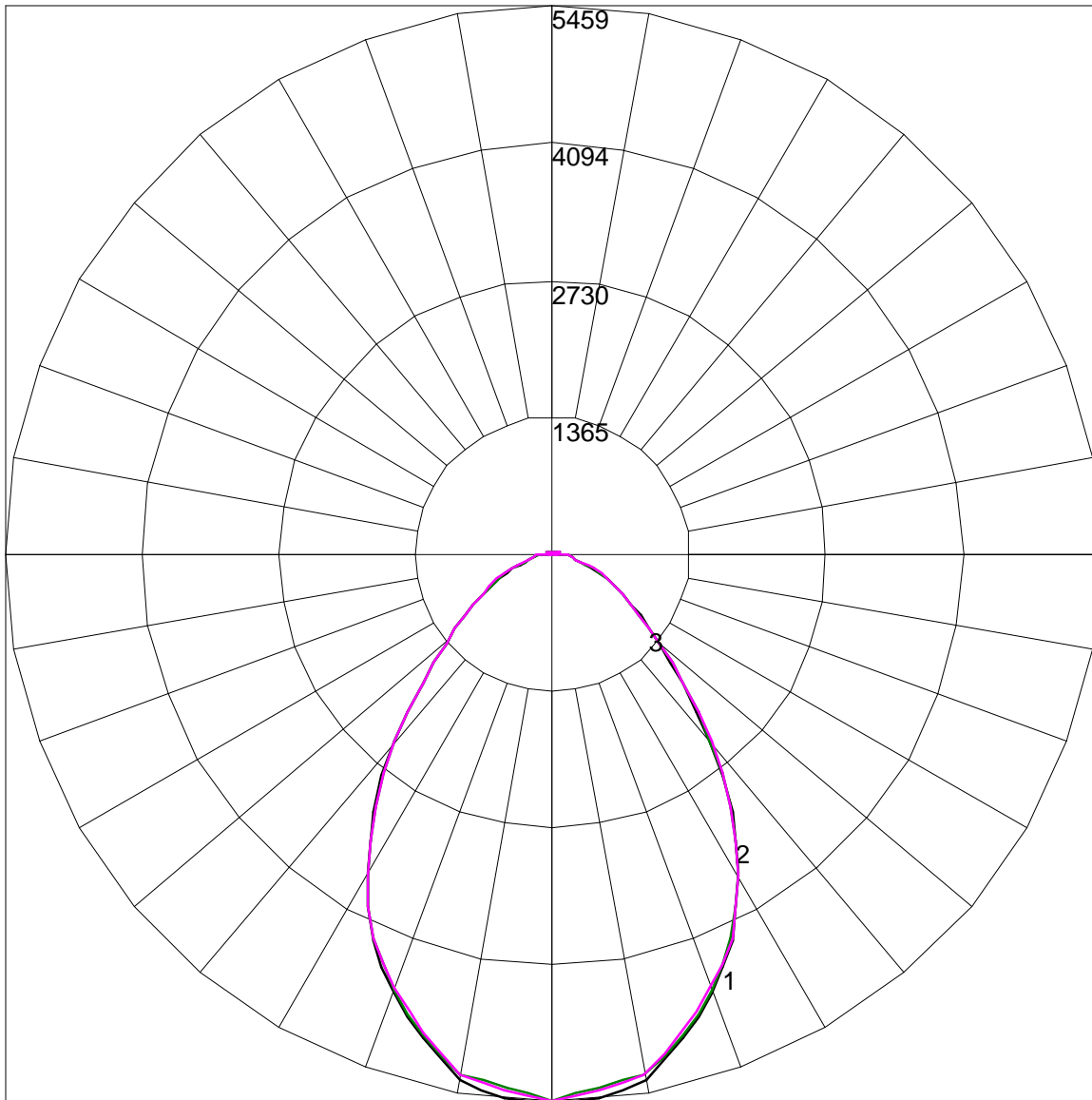
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALX16LX-140L35KEX-AL16-CFG.IES

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 110 | 106 | 103 | 99 | 107 | 104 | 101 | 98 | 99 | 97 | 94 | 95 | 93 | 91 | 91 | 89 | 88 | 86 |
| 2 | 102 | 95 | 89 | 85 | 99 | 93 | 88 | 83 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 |
| 3 | 94 | 86 | 79 | 73 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 75 | 71 | 68 | 66 |
| 4 | 88 | 77 | 70 | 64 | 85 | 76 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 61 | 69 | 64 | 61 | 59 |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 52 |
| 6 | 76 | 64 | 57 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 |
| 7 | 71 | 59 | 51 | 46 | 69 | 58 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 48 | 44 | 43 |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 |
| 9 | 63 | 51 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 41 | 37 | 36 |
| 10 | 59 | 47 | 40 | 35 | 58 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 35 | 44 | 38 | 34 | 33 |

POLAR GRAPH



Maximum Candela = 5459.06 Located At Horizontal Angle = 0, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)