

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00729 ~ PN1411GV-27L35K-EX-FJ2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00729_M-27L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/18/2018
 [UPDATE] 11/8/2018
 [LUMCAT] PN1411GV-27L35K-EX-FJ2
 [LUMINAIRE] Nom. 14" Diam x 10.8" H, Nautical Series RLM luminaire
 [OTHER] Tapered spun aluminum shade, Matte White interior finish
 [OTHER] 4" diam, inside frosted jar
 [OTHER] 64.4 Degree Beam Angle
 [OTHER] 88% Downlight; 12% Uplight
 [LAMPCAT] N/A
 [LAMP] N/A, Gen 3
 [OTHER] Total Luminaire Watts is approximate
 [_CCTMULT] 40K x 1.03, 30K x 0.985, 27K x 0.971
 [_CRI] 80+
 [_LAMPMULT] 15L x 0.322, 27L x 0.564, 37L x 0.826
 [OTHER] This report generated by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1109 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 62 |
| Total Luminaire Watts | 18 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 0.82 |
| Spacing Criterion (90-270) | 0.82 |
| Spacing Criterion (Diagonal) | 1.04 |
| Basic Luminous Shape | Circular w/ Sides |
| Luminous Length (0-180) | 1.17 ft (Diameter) |
| Luminous Width (90-270) | 1.17 ft (Diameter) |
| Luminous Height | 0.25 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00729 ~ PN1411GV-27L35K-EX-FJ2.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2034 | 2034 | 2034 |
| 55 | 1847 | 1847 | 1847 |
| 65 | 1956 | 1956 | 1956 |
| 75 | 2043 | 2043 | 2043 |
| 85 | 1837 | 1837 | 1837 |

IES INDOOR REPORT
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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 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 |
| 2.5 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 |
| 5.0 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 |
| 7.5 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 |
| 10.0 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 |
| 12.5 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 |
| 15.0 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 |
| 17.5 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 |
| 20.0 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 |
| 22.5 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 |
| 25.0 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 |
| 27.5 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 |
| 30.0 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 |
| 32.5 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 |
| 35.0 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 |
| 37.5 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 |
| 40.0 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 |
| 42.5 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 |
| 45.0 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 |
| 47.5 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 |
| 50.0 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 |
| 52.5 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 |
| 55.0 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 |
| 57.5 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 |
| 60.0 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 |
| 62.5 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 |
| 65.0 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 |
| 67.5 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 |
| 70.0 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 |
| 72.5 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 |
| 75.0 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 |
| 77.5 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 |
| 80.0 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 |
| 82.5 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 |
| 85.0 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 |
| 87.5 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 |
| 90.0 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 |
| 92.5 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 |
| 95.0 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 |
| 97.5 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 |
| 100.0 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 |
| 102.5 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 |
| 105.0 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 |
| 107.5 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 |
| 110.0 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 |
| 112.5 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 |
| 115.0 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 |
| 117.5 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 |
| 120.0 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 |
| 122.5 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 |
| 125.0 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 127.5 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 |
| 130.0 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 |
| 132.5 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 |
| 135.0 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 |
| 137.5 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 |
| 140.0 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 |
| 142.5 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 |
| 145.0 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 |
| 147.5 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 |
| 150.0 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 |
| 152.5 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 |
| 155.0 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 |
| 157.5 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 |
| 160.0 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 |
| 162.5 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 |
| 165.0 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 |
| 167.5 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 |
| 170.0 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 |
| 172.5 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 |
| 175.0 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 |
| 177.5 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 |
| 180.0 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 |

Vert. 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 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 |
| 2.5 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 | 449.273 |
| 5.0 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 | 434.056 |
| 7.5 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 | 417.977 |
| 10.0 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 | 392.900 |
| 12.5 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 | 367.794 |
| 15.0 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 | 342.711 |
| 17.5 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 | 318.033 |
| 20.0 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 | 297.344 |
| 22.5 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 | 277.350 |
| 25.0 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 | 261.508 |
| 27.5 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 | 246.376 |
| 30.0 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 | 234.224 |
| 32.5 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 | 222.896 |
| 35.0 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 | 214.188 |
| 37.5 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 | 205.778 |
| 40.0 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 | 198.089 |
| 42.5 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 | 190.446 |
| 45.0 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 | 182.891 |
| 47.5 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 | 174.778 |
| 50.0 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 | 165.776 |
| 52.5 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 | 156.569 |
| 55.0 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 | 147.096 |
| 57.5 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 | 139.445 |
| 60.0 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 | 133.735 |
| 62.5 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 | 130.993 |
| 65.0 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 | 130.851 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00729 ~ PN1411GV-27L35K-EX-FJ2.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|
| 67.5 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 | 128.853 |
| 70.0 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 | 125.536 |
| 72.5 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 | 117.441 |
| 75.0 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 | 106.540 |
| 77.5 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 | 95.653 |
| 80.0 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 | 84.774 |
| 82.5 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 | 75.064 |
| 85.0 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 | 65.784 |
| 87.5 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 | 57.428 |
| 90.0 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 | 49.337 |
| 92.5 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 | 46.401 |
| 95.0 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 | 44.544 |
| 97.5 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 | 44.280 |
| 100.0 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 | 44.242 |
| 102.5 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 | 43.095 |
| 105.0 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 | 41.856 |
| 107.5 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 | 39.571 |
| 110.0 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 | 37.196 |
| 112.5 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 | 32.194 |
| 115.0 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 | 27.082 |
| 117.5 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 | 20.522 |
| 120.0 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 | 14.339 |
| 122.5 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 | 10.890 |
| 125.0 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 | 7.711 |
| 127.5 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 | 5.854 |
| 130.0 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 | 4.140 |
| 132.5 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 | 2.942 |
| 135.0 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 | 1.913 |
| 137.5 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 |
| 140.0 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 | 0.904 |
| 142.5 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 | 0.721 |
| 145.0 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 | 0.583 |
| 147.5 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 |
| 150.0 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 | 0.502 |
| 152.5 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 | 0.529 |
| 155.0 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 | 0.551 |
| 157.5 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 | 0.567 |
| 160.0 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 | 0.556 |
| 162.5 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 | 0.528 |
| 165.0 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 | 0.513 |
| 167.5 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 |
| 170.0 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 | 0.437 |
| 172.5 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 | 0.532 |
| 175.0 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 | 0.525 |
| 177.5 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 | 0.536 |
| 180.0 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 | 0.480 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00729 ~ PN1411GV-27L35K-EX-FJ2.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 136.17 | N.A. | 12.30 |
| 0-30 | 256.94 | N.A. | 23.20 |
| 0-40 | 391.42 | N.A. | 35.30 |
| 0-60 | 665.12 | N.A. | 60.00 |
| 0-80 | 906.38 | N.A. | 81.80 |
| 0-90 | 978.71 | N.A. | 88.30 |
| 10-90 | 938.48 | N.A. | 84.70 |
| 20-40 | 255.25 | N.A. | 23.00 |
| 20-50 | 396.25 | N.A. | 35.70 |
| 40-70 | 402.78 | N.A. | 36.30 |
| 60-80 | 241.27 | N.A. | 21.80 |
| 70-80 | 112.19 | N.A. | 10.10 |
| 80-90 | 72.33 | N.A. | 6.50 |
| 90-110 | 93.38 | N.A. | 8.40 |
| 90-120 | 119.73 | N.A. | 10.80 |
| 90-130 | 127.37 | N.A. | 11.50 |
| 90-150 | 129.50 | N.A. | 11.70 |
| 90-180 | 129.94 | N.A. | 11.70 |
| 110-180 | 36.56 | N.A. | 3.30 |
| 0-180 | 1108.65 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 40.23 |
| 10-20 | 95.94 |
| 20-30 | 120.77 |
| 30-40 | 134.48 |
| 40-50 | 141.01 |
| 50-60 | 132.69 |
| 60-70 | 129.08 |
| 70-80 | 112.19 |
| 80-90 | 72.33 |
| 90-100 | 49.65 |
| 100-110 | 43.73 |
| 110-120 | 26.34 |
| 120-130 | 7.64 |
| 130-140 | 1.72 |
| 140-150 | 0.40 |
| 150-160 | 0.25 |
| 160-170 | 0.14 |
| 170-180 | 0.05 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00729 ~ PN1411GV-27L35K-EX-FJ2.IES

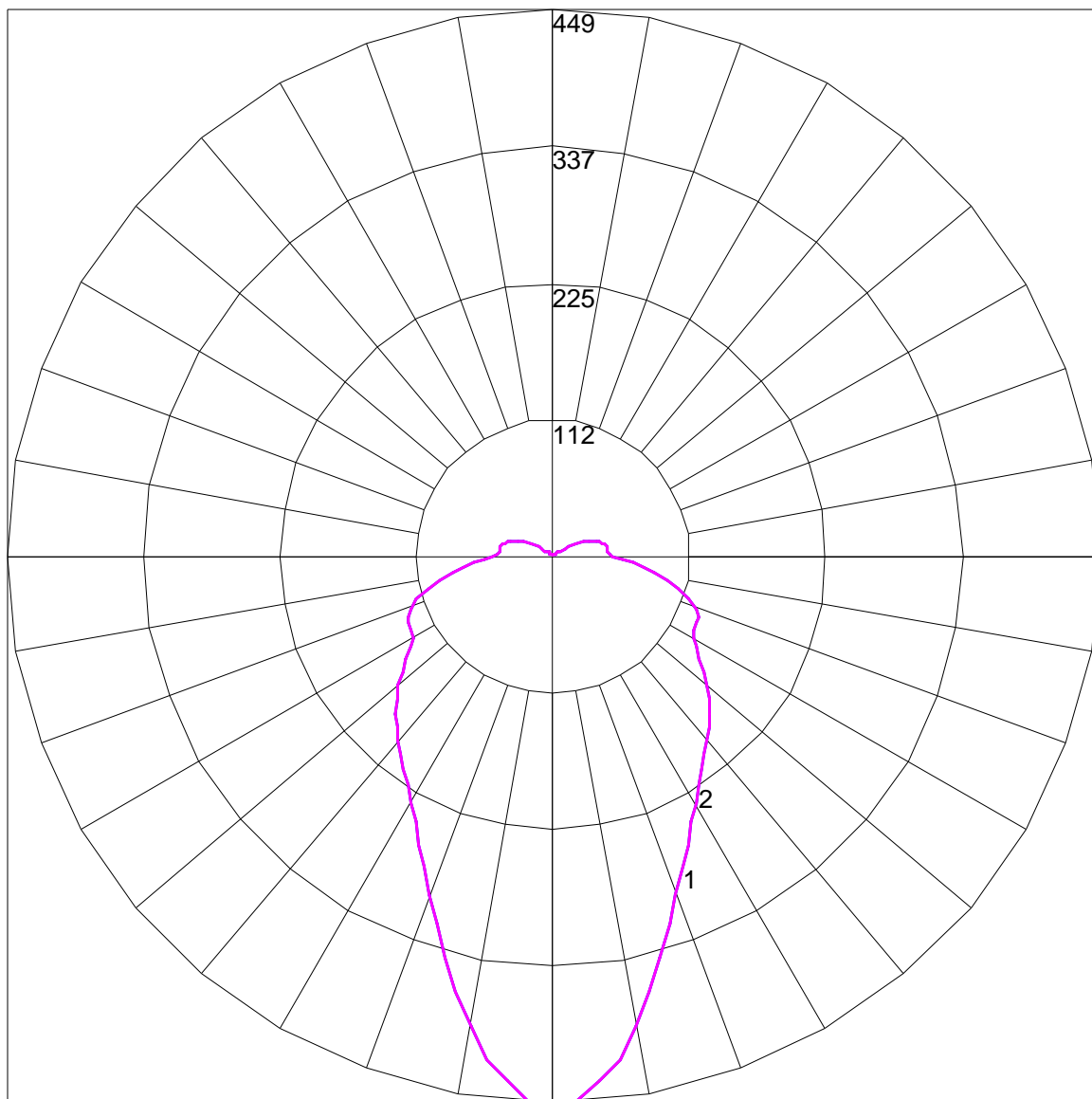
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 91 | 91 | 91 | 88 |
| 1 | 104 | 98 | 93 | 88 | 100 | 94 | 90 | 85 | 88 | 84 | 81 | 82 | 79 | 76 | 76 | 74 | 72 | 69 |
| 2 | 93 | 84 | 77 | 70 | 90 | 81 | 74 | 68 | 76 | 70 | 65 | 71 | 66 | 62 | 66 | 62 | 59 | 56 |
| 3 | 85 | 73 | 65 | 58 | 81 | 71 | 63 | 56 | 66 | 59 | 54 | 62 | 56 | 51 | 58 | 53 | 49 | 46 |
| 4 | 78 | 65 | 56 | 49 | 74 | 63 | 54 | 48 | 59 | 52 | 46 | 55 | 49 | 44 | 52 | 46 | 42 | 39 |
| 5 | 71 | 58 | 49 | 42 | 68 | 56 | 48 | 41 | 53 | 45 | 40 | 50 | 43 | 38 | 47 | 41 | 37 | 34 |
| 6 | 66 | 52 | 43 | 37 | 63 | 51 | 42 | 36 | 48 | 40 | 35 | 45 | 39 | 34 | 42 | 37 | 32 | 30 |
| 7 | 61 | 48 | 39 | 33 | 59 | 46 | 38 | 32 | 44 | 36 | 31 | 41 | 35 | 30 | 39 | 33 | 29 | 27 |
| 8 | 57 | 44 | 35 | 29 | 55 | 42 | 34 | 29 | 40 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 24 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 37 | 30 | 25 | 35 | 29 | 24 | 33 | 28 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 48 | 36 | 29 | 24 | 34 | 28 | 23 | 33 | 27 | 22 | 31 | 26 | 22 | 20 |

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POLAR GRAPH



Maximum Candela = 449.273 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)