

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00621\_11 ~ SGE8BX70L-35KMD-DO101-AR8BXMWWF.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00621\_11\_M-70L

[TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 6/7/2018

[UPDATE] 7/19/2018

[LUMCAT] SGE8BX-70L35K-MD-DO101-AR8BX-MWWF

[LUMINAIRE] Nom. 8" Diam x 9" H, Open aperture

[OTHER] Matte White reflector trim

[OTHER] Deep regressed retrofit high output LED downlight

[OTHER] BX Series, Medium Beam

[OTHER] 40.7 Deg Beam Angle

[LAMPCAT] N/A

[LAMP] N/A, Bridgelux Vero 29

[OTHER] Dimmable driver tested at 100% output

[OTHER] Tested CCT: 3500K

[OTHER] CCT Output: 27K x 0.932, 30K x 1.00, 40K x 1.01

[OTHER] This report prepared by Spectrum Lighting, scaled from 80L

**CHARACTERISTICS**

|                                 |                    |
|---------------------------------|--------------------|
| Lumens Per Lamp                 | N.A. (absolute)    |
| Total Lamp Lumens               | N.A. (absolute)    |
| Luminaire Lumens                | 5586               |
| Total Luminaire Efficiency      | N.A.               |
| Luminaire Efficacy Rating (LER) | 110                |
| Total Luminaire Watts           | 51                 |
| Ballast Factor                  | 1.00               |
| CIE Type                        | Direct             |
| Spacing Criterion (0-180)       | 0.68               |
| Spacing Criterion (90-270)      | 0.68               |
| Spacing Criterion (Diagonal)    | 0.68               |
| Basic Luminous Shape            | Circular           |
| Luminous Length (0-180)         | 0.63 ft (Diameter) |
| Luminous Width (90-270)         | 0.63 ft (Diameter) |
| Luminous Height                 | 0.00 ft            |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00621\_11 ~ SGE8BX70L-35KMD-DO101-AR8BXMWWF.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 1335             | 1300              | 1162              |
| 55                  | 1109             | 976               | 1089              |
| 65                  | 854              | 733               | 783               |
| 75                  | 511              | 596               | 557               |
| 85                  | 448              | 354               | 452               |

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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   | 11232.795  | 11232.795   | 11232.795   | 11232.795   | 11232.795   | 11232.795    | 11232.795    | 11232.795    | 11232.795    | 11232.795    |
| 2.5   | 11151.700  | 11176.454   | 11166.811   | 11174.320   | 11160.046   | 11034.671    | 11084.852    | 11077.232    | 11067.953    | 11017.175    |
| 5.0   | 10992.931  | 11048.504   | 11001.692   | 11020.424   | 10994.539   | 10773.726    | 10857.465    | 10813.842    | 10829.083    | 10716.270    |
| 7.5   | 10522.915  | 10629.110   | 10553.700   | 10608.763   | 10524.358   | 10174.421    | 10316.912    | 10247.066    | 10246.695    | 10094.164    |
| 10.0  | 9991.547   | 10113.060   | 10003.962   | 10056.079   | 9997.788    | 9527.821     | 9680.101     | 9592.275     | 9582.002     | 9399.067     |
| 12.5  | 9130.986   | 9313.004    | 9156.448    | 9268.491    | 9128.955    | 8605.982     | 8805.655     | 8675.113     | 8662.844     | 8428.357     |
| 15.0  | 8233.950   | 8413.182    | 8248.257    | 8346.148    | 8233.919    | 7661.357     | 7853.676     | 7718.132     | 7676.983     | 7429.398     |
| 17.5  | 7123.933   | 7358.531    | 7151.826    | 7302.278    | 7143.499    | 6567.196     | 6806.224     | 6635.246     | 6605.763     | 6316.359     |
| 20.0  | 6019.671   | 6246.361    | 6068.356    | 6184.268    | 6064.135    | 5489.997     | 5725.155     | 5571.385     | 5510.664     | 5231.241     |
| 22.5  | 4953.319   | 5195.407    | 5027.582    | 5158.259    | 5038.700    | 4535.623     | 4740.674     | 4572.723     | 4529.490     | 4269.898     |
| 25.0  | 3919.688   | 4168.885    | 4046.125    | 4191.025    | 4053.665    | 3601.279     | 3792.155     | 3622.804     | 3582.920     | 3352.486     |
| 27.5  | 3124.031   | 3323.388    | 3276.866    | 3366.173    | 3281.979    | 2834.203     | 2965.994     | 2850.876     | 2822.557     | 2644.856     |
| 30.0  | 2340.145   | 2554.065    | 2506.150    | 2636.527    | 2512.738    | 2064.606     | 2188.774     | 2079.998     | 2122.255     | 1943.041     |
| 32.5  | 1651.534   | 1798.461    | 1729.876    | 1870.292    | 1757.533    | 1271.270     | 1423.003     | 1313.303     | 1408.526     | 1271.258     |
| 35.0  | 982.321    | 1049.036    | 1003.640    | 1078.088    | 1034.271    | 523.759      | 662.060      | 629.991      | 690.204      | 649.978      |
| 37.5  | 496.651    | 547.079     | 486.414     | 538.878     | 517.592     | 268.752      | 289.166      | 302.894      | 328.451      | 319.760      |
| 40.0  | 51.073     | 162.363     | 60.143      | 187.443     | 61.992      | 31.511       | 91.439       | 33.571       | 98.039       | 34.379       |
| 42.5  | 38.894     | 30.744      | 41.966      | 30.288      | 41.856      | 27.696       | 26.443       | 29.640       | 31.459       | 31.545       |
| 45.0  | 27.356     | 25.127      | 26.644      | 26.033      | 23.825      | 23.973       | 24.460       | 25.843       | 28.623       | 28.674       |
| 47.5  | 24.290     | 22.135      | 25.128      | 23.380      | 23.072      | 21.714       | 21.637       | 22.734       | 25.865       | 25.542       |
| 50.0  | 21.323     | 20.536      | 23.274      | 22.042      | 22.191      | 19.449       | 18.394       | 19.888       | 23.139       | 22.588       |
| 52.5  | 19.911     | 19.478      | 19.608      | 20.315      | 20.115      | 17.050       | 16.283       | 18.490       | 19.927       | 21.059       |
| 55.0  | 18.437     | 18.722      | 16.227      | 18.252      | 18.102      | 14.692       | 14.774       | 16.754       | 16.502       | 19.458       |
| 57.5  | 15.633     | 16.551      | 14.505      | 15.898      | 16.781      | 13.465       | 13.210       | 12.906       | 14.200       | 17.205       |
| 60.0  | 12.884     | 13.541      | 12.756      | 13.278      | 15.343      | 12.201       | 11.614       | 9.501        | 12.426       | 14.962       |
| 62.5  | 11.668     | 11.934      | 10.827      | 11.230      | 12.404      | 9.456        | 9.837        | 9.090        | 10.744       | 12.819       |
| 65.0  | 10.467     | 11.197      | 8.980       | 9.728       | 9.590       | 6.744        | 7.952        | 8.535        | 9.108        | 10.631       |
| 67.5  | 9.706      | 9.225       | 7.709       | 8.082       | 8.461       | 5.930        | 6.351        | 6.918        | 7.234        | 7.937        |
| 70.0  | 8.704      | 6.503       | 6.546       | 6.306       | 7.277       | 5.086        | 4.914        | 5.382        | 5.246        | 5.475        |
| 72.5  | 6.006      | 5.057       | 5.787       | 4.408       | 5.789       | 4.016        | 3.993        | 4.152        | 4.350        | 4.141        |
| 75.0  | 3.831      | 4.009       | 4.473       | 2.449       | 4.176       | 2.786        | 3.225        | 3.061        | 3.682        | 3.021        |
| 77.5  | 2.408      | 2.712       | 2.579       | 2.086       | 2.406       | 1.318        | 2.395        | 2.119        | 2.663        | 2.160        |
| 80.0  | 1.730      | 2.000       | 1.635       | 1.471       | 2.560       | 1.693        | 1.639        | 1.286        | 2.026        | 1.662        |
| 82.5  | 1.303      | 1.298       | 1.126       | 0.819       | 1.993       | 1.382        | 1.154        | 0.993        | 1.580        | 1.026        |
| 85.0  | 1.133      | 0.416       | 0.895       | 0.849       | 1.141       | 0.871        | 0.971        | 0.645        | 1.165        | 0.766        |
| 87.5  | 0.454      | 0.579       | 0.629       | 0.925       | 0.713       | 0.778        | 0.955        | 0.621        | 0.873        | 0.457        |
| 90.0  | 0.518      | 0.159       | 0.289       | 0.295       | 0.731       | 0.313        | 0.268        | 0.376        | 0.184        | 0.489        |
| 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 | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 115.0 | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 117.5 | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 120.0 | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 122.5 | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 125.0 | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |

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## CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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  | 11232.795    | 11232.795    | 11232.795    | 11232.795    | 11232.795    | 11232.795    | 11232.795    |
| 2.5  | 11043.683    | 11032.477    | 11066.069    | 11153.445    | 11138.930    | 11152.884    | 11151.700    |
| 5.0  | 10764.248    | 10715.060    | 10812.943    | 11017.132    | 10955.166    | 10982.883    | 10992.931    |
| 7.5  | 10194.423    | 10120.274    | 10235.791    | 10548.308    | 10455.627    | 10533.517    | 10522.915    |
| 10.0 | 9503.447     | 9416.036     | 9560.972     | 10005.077    | 9881.378     | 9971.493     | 9991.547     |
| 12.5 | 8580.773     | 8472.604     | 8640.078     | 9167.334     | 9006.215     | 9147.885     | 9130.986     |
| 15.0 | 7556.288     | 7472.124     | 7638.892     | 8258.819     | 8082.893     | 8211.213     | 8233.950     |
| 17.5 | 6478.086     | 6340.425     | 6541.201     | 7165.836     | 6946.695     | 7138.353     | 7123.933     |
| 20.0 | 5375.047     | 5260.521     | 5410.144     | 6024.368     | 5829.780     | 6003.534     | 6019.671     |
| 22.5 | 4405.203     | 4306.141     | 4459.580     | 5008.002     | 4804.645     | 4952.062     | 4953.319     |
| 25.0 | 3501.131     | 3415.738     | 3576.222     | 4026.723     | 3821.320     | 3940.464     | 3919.688     |
| 27.5 | 2748.769     | 2691.734     | 2820.195     | 3233.855     | 3053.154     | 3116.872     | 3124.031     |
| 30.0 | 2075.074     | 1979.991     | 2114.231     | 2498.363     | 2305.520     | 2389.268     | 2340.145     |
| 32.5 | 1398.889     | 1301.942     | 1407.290     | 1825.590     | 1675.792     | 1707.896     | 1651.534     |
| 35.0 | 721.331      | 699.843      | 699.935      | 1173.097     | 1060.852     | 1051.299     | 982.321      |
| 37.5 | 334.579      | 322.688      | 327.313      | 655.633      | 538.758      | 566.828      | 496.651      |
| 40.0 | 116.265      | 35.556       | 103.344      | 184.448      | 77.688       | 180.566      | 51.073       |
| 42.5 | 30.340       | 31.158       | 30.468       | 46.708       | 51.691       | 33.488       | 38.894       |
| 45.0 | 25.959       | 27.470       | 28.184       | 32.072       | 28.470       | 29.427       | 27.356       |
| 47.5 | 23.302       | 26.157       | 25.730       | 27.134       | 27.226       | 26.779       | 24.290       |
| 50.0 | 21.758       | 24.478       | 23.191       | 25.977       | 25.829       | 25.027       | 21.323       |
| 52.5 | 20.578       | 21.477       | 20.941       | 23.554       | 23.052       | 23.674       | 19.911       |
| 55.0 | 19.644       | 18.677       | 18.842       | 20.603       | 20.436       | 22.588       | 18.437       |
| 57.5 | 17.811       | 16.656       | 16.698       | 18.023       | 19.500       | 20.251       | 15.633       |
| 60.0 | 15.336       | 14.600       | 14.529       | 15.607       | 18.367       | 17.045       | 12.884       |
| 62.5 | 13.024       | 12.392       | 12.207       | 13.355       | 14.826       | 14.870       | 11.668       |
| 65.0 | 10.836       | 10.273       | 9.797        | 11.181       | 11.353       | 13.458       | 10.467       |

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|       |       |       |       |       |       |        |       |
|-------|-------|-------|-------|-------|-------|--------|-------|
| 67.5  | 8.366 | 8.540 | 7.760 | 9.015 | 8.770 | 10.922 | 9.706 |
| 70.0  | 5.689 | 6.731 | 5.935 | 6.852 | 6.454 | 7.589  | 8.704 |
| 72.5  | 4.514 | 4.715 | 4.233 | 4.414 | 5.516 | 5.843  | 6.006 |
| 75.0  | 3.896 | 3.133 | 2.679 | 2.196 | 4.355 | 4.728  | 3.831 |
| 77.5  | 2.227 | 1.931 | 2.205 | 1.879 | 2.911 | 3.597  | 2.408 |
| 80.0  | 1.376 | 1.194 | 1.712 | 1.781 | 1.742 | 2.245  | 1.730 |
| 82.5  | 1.324 | 1.104 | 1.165 | 1.777 | 1.421 | 1.226  | 1.303 |
| 85.0  | 1.500 | 0.891 | 0.804 | 1.557 | 1.682 | 1.125  | 1.133 |
| 87.5  | 0.857 | 0.945 | 0.820 | 1.040 | 0.976 | 0.816  | 0.454 |
| 90.0  | 0.251 | 0.767 | 0.730 | 0.390 | 0.609 | 0.403  | 0.518 |
| 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 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000  | 0.000 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00621\_11 ~ SGE8BX70L-35KMD-DO101-AR8BXMWWF.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 3170.92 | N.A.  | 56.80  |
| 0-30    | 4923.8  | N.A.  | 88.10  |
| 0-40    | 5527.67 | N.A.  | 98.90  |
| 0-60    | 5571.43 | N.A.  | 99.70  |
| 0-80    | 5585.22 | N.A.  | 100.00 |
| 0-90    | 5586.36 | N.A.  | 100.00 |
| 10-90   | 4584.99 | N.A.  | 82.10  |
| 20-40   | 2356.75 | N.A.  | 42.20  |
| 20-50   | 2384.19 | N.A.  | 42.70  |
| 40-70   | 53.69   | N.A.  | 1.00   |
| 60-80   | 13.79   | N.A.  | 0.20   |
| 70-80   | 3.86    | N.A.  | 0.10   |
| 80-90   | 1.14    | N.A.  | 0.00   |
| 90-110  | 0.06    | N.A.  | 0.00   |
| 90-120  | 0.06    | N.A.  | 0.00   |
| 90-130  | 0.06    | N.A.  | 0.00   |
| 90-150  | 0.06    | N.A.  | 0.00   |
| 90-180  | 0.06    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 5586.42 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 1001.37 |
| 10-20   | 2169.55 |
| 20-30   | 1752.89 |
| 30-40   | 603.87  |
| 40-50   | 27.44   |
| 50-60   | 16.32   |
| 60-70   | 9.94    |
| 70-80   | 3.86    |
| 80-90   | 1.14    |
| 90-100  | 0.06    |
| 100-110 | 0.00    |
| 110-120 | 0.00    |
| 120-130 | 0.00    |
| 130-140 | 0.00    |
| 140-150 | 0.00    |
| 150-160 | 0.00    |
| 160-170 | 0.00    |
| 170-180 | 0.00    |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00621\_11 ~ SGE8BX70L-35KMD-DO101-AR8BXMWWF.IES

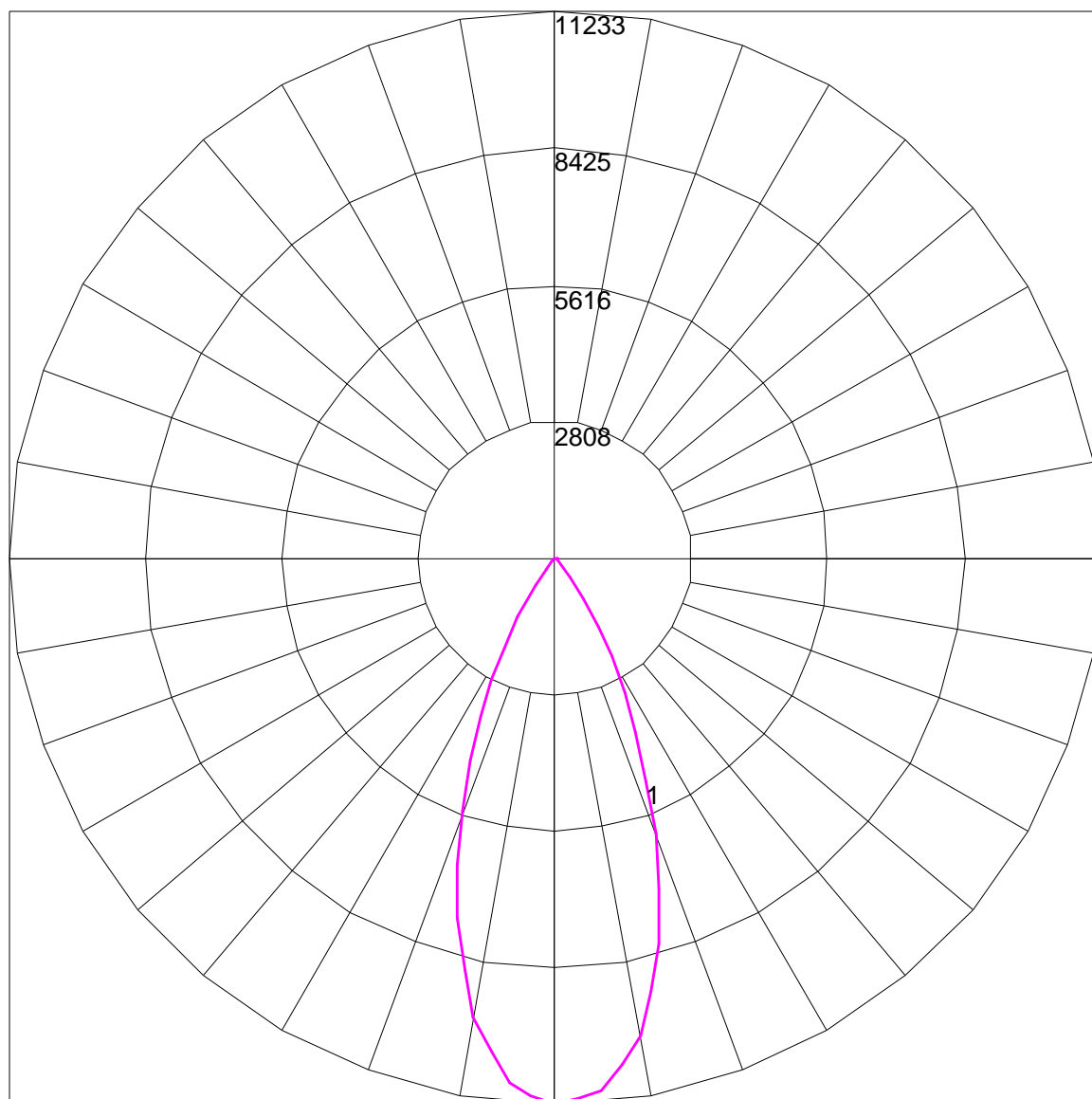
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |
| 2  | 110 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 93  | 92  | 90  |
| 3  | 105 | 100 | 95  | 92  | 103 | 98  | 94  | 91  | 96  | 92  | 90  | 93  | 91  | 88  | 91  | 89  | 87  | 86  |
| 4  | 101 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 81  |
| 5  | 97  | 90  | 85  | 81  | 95  | 89  | 84  | 81  | 87  | 83  | 80  | 86  | 82  | 79  | 84  | 81  | 79  | 77  |
| 6  | 93  | 85  | 80  | 77  | 92  | 85  | 80  | 76  | 83  | 79  | 76  | 82  | 78  | 75  | 81  | 78  | 75  | 74  |
| 7  | 89  | 81  | 76  | 73  | 88  | 81  | 76  | 73  | 80  | 75  | 72  | 79  | 75  | 72  | 78  | 74  | 72  | 70  |
| 8  | 86  | 78  | 73  | 69  | 85  | 77  | 72  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 74  | 71  | 68  | 67  |
| 9  | 83  | 74  | 69  | 66  | 82  | 74  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 72  | 68  | 65  | 64  |
| 10 | 80  | 71  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 63  | 61  |

IES INDOOR REPORT  
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POLAR GRAPH



Maximum Candela = 11232.795 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)