



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA001669-018\_modified to BRITE output  
 [TESTLAB] LightLab International Allentown, LLC  
 [ISSUEDATE] 4/5/2022  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] BRITE-4-835-U10-SM-CA  
 [LUMINAIRE] BRITE Line LED Fixture, 4' Length, 80 CRI,  
 [MORE] 3500K CCT, Clear Acrylic Lens  
 [LAMP] -  
 [BALLAST] -  
 [OTHER] -

**CHARACTERISTICS**

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 17411               |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 147                 |
| Total Luminaire Watts           | 118.36              |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Direct              |
| Spacing Criterion (0-180)       | 1.22                |
| Spacing Criterion (90-270)      | 1.34                |
| Spacing Criterion (Diagonal)    | 1.42                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 3.79 ft             |
| Luminous Width (90-270)         | 0.21 ft             |
| Luminous Height                 | 0.06 ft             |

**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 53029            | 55092             | 54010             |
| 55                  | 43611            | 51144             | 61360             |
| 65                  | 34848            | 53205             | 58054             |
| 75                  | 22690            | 48182             | 48486             |
| 85                  | 9367             | 40636             | 30976             |

**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION**

|             | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-------------|------------|-------------|-------------|-------------|-------------|
| <b>0.0</b>  | 5013.252   | 5013.252    | 5013.252    | 5013.252    | 5013.252    |
| <b>0.5</b>  | 5023.227   | 5023.227    | 5024.652    | 5027.502    | 5028.927    |
| <b>1.0</b>  | 5024.652   | 5026.077    | 5031.778    | 5034.628    | 5037.478    |
| <b>1.5</b>  | 5017.527   | 5021.802    | 5024.652    | 5027.502    | 5031.778    |
| <b>2.0</b>  | 5014.677   | 5021.802    | 5020.377    | 5031.778    | 5041.753    |
| <b>2.5</b>  | 5013.252   | 5021.802    | 5021.802    | 5043.178    | 5051.728    |
| <b>3.0</b>  | 5008.977   | 5014.677    | 5027.502    | 5046.028    | 5056.003    |
| <b>3.5</b>  | 5003.277   | 5004.702    | 5030.353    | 5046.028    | 5061.703    |
| <b>4.0</b>  | 4997.577   | 4997.577    | 5027.502    | 5060.278    | 5093.054    |
| <b>4.5</b>  | 4989.027   | 4994.727    | 5026.077    | 5093.054    | 5124.404    |
| <b>5.0</b>  | 4980.476   | 4993.302    | 5024.652    | 5115.854    | 5138.655    |
| <b>5.5</b>  | 4974.776   | 4996.152    | 5043.178    | 5120.129    | 5144.355    |
| <b>6.0</b>  | 4970.501   | 4994.727    | 5064.553    | 5122.979    | 5165.730    |
| <b>6.5</b>  | 4966.226   | 4990.452    | 5073.103    | 5142.930    | 5207.056    |
| <b>7.0</b>  | 4961.951   | 4983.327    | 5073.103    | 5182.831    | 5239.832    |
| <b>7.5</b>  | 4954.826   | 4973.351    | 5074.528    | 5212.756    | 5246.957    |
| <b>8.0</b>  | 4949.126   | 4964.801    | 5075.953    | 5222.731    | 5221.306    |
| <b>8.5</b>  | 4942.001   | 4954.826    | 5091.629    | 5204.206    | 5178.556    |
| <b>9.0</b>  | 4934.876   | 4946.276    | 5118.704    | 5167.155    | 5141.505    |
| <b>9.5</b>  | 4927.750   | 4944.851    | 5140.080    | 5131.530    | 5111.579    |
| <b>10.0</b> | 4919.200   | 4946.276    | 5151.480    | 5100.179    | 5091.629    |
| <b>10.5</b> | 4910.650   | 4953.401    | 5148.630    | 5073.103    | 5070.253    |
| <b>11.0</b> | 4903.525   | 4954.826    | 5130.105    | 5051.728    | 5057.428    |
| <b>11.5</b> | 4892.125   | 4953.401    | 5100.179    | 5033.203    | 5036.053    |
| <b>12.0</b> | 4883.575   | 4946.276    | 5065.978    | 5016.102    | 5016.102    |
| <b>12.5</b> | 4875.024   | 4934.876    | 5036.053    | 4996.152    | 4997.577    |
| <b>13.0</b> | 4863.624   | 4922.050    | 5010.402    | 4976.201    | 4977.626    |
| <b>13.5</b> | 4852.224   | 4912.075    | 4983.327    | 4956.251    | 4963.376    |
| <b>14.0</b> | 4839.399   | 4903.525    | 4960.526    | 4933.451    | 4953.401    |
| <b>14.5</b> | 4826.573   | 4897.825    | 4936.301    | 4917.775    | 4964.801    |
| <b>15.0</b> | 4813.748   | 4894.975    | 4910.650    | 4903.525    | 4999.002    |
| <b>15.5</b> | 4800.923   | 4893.550    | 4889.275    | 4903.525    | 5028.927    |
| <b>16.0</b> | 4786.673   | 4892.125    | 4863.624    | 4926.325    | 5060.278    |
| <b>16.5</b> | 4770.997   | 4889.275    | 4840.824    | 4953.401    | 5061.703    |
| <b>17.0</b> | 4756.747   | 4882.149    | 4816.598    | 4980.476    | 5023.227    |
| <b>17.5</b> | 4738.222   | 4870.749    | 4786.673    | 4999.002    | 4953.401    |
| <b>18.0</b> | 4719.696   | 4855.074    | 4761.022    | 4984.752    | 4885.000    |
| <b>18.5</b> | 4702.596   | 4833.699    | 4738.222    | 4937.726    | 4853.649    |
| <b>19.0</b> | 4685.495   | 4810.898    | 4716.846    | 4867.899    | 4823.723    |
| <b>19.5</b> | 4666.970   | 4786.673    | 4694.046    | 4809.473    | 4800.923    |
| <b>20.0</b> | 4647.020   | 4762.447    | 4679.795    | 4772.422    | 4776.697    |
| <b>20.5</b> | 4627.069   | 4738.222    | 4678.370    | 4742.497    | 4765.297    |
| <b>21.0</b> | 4607.119   | 4713.996    | 4685.495    | 4716.846    | 4769.572    |
| <b>21.5</b> | 4587.168   | 4686.921    | 4699.746    | 4698.321    | 4785.248    |
| <b>22.0</b> | 4564.368   | 4659.845    | 4713.996    | 4679.795    | 4802.348    |
| <b>22.5</b> | 4542.993   | 4629.919    | 4722.546    | 4675.520    | 4830.848    |
| <b>23.0</b> | 4518.767   | 4601.419    | 4709.721    | 4679.795    | 4872.174    |
| <b>23.5</b> | 4493.117   | 4568.643    | 4666.970    | 4689.771    | 4896.400    |
| <b>24.0</b> | 4468.891   | 4537.292    | 4614.244    | 4705.446    | 4880.724    |
| <b>24.5</b> | 4443.241   | 4501.667    | 4560.093    | 4742.497    | 4879.299    |
| <b>25.0</b> | 4416.165   | 4470.316    | 4505.942    | 4770.997    | 4875.024    |
| <b>25.5</b> | 4387.664   | 4434.690    | 4457.491    | 4766.722    | 4872.174    |
| <b>26.0</b> | 4357.739   | 4401.915    | 4419.015    | 4759.597    | 4867.899    |
| <b>26.5</b> | 4327.813   | 4369.139    | 4379.114    | 4755.322    | 4842.249    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 4295.038 | 4333.513 | 4352.039 | 4742.497 | 4825.148 |
| 27.5 | 4263.687 | 4296.463 | 4330.663 | 4729.671 | 4802.348 |
| 28.0 | 4230.911 | 4257.987 | 4309.288 | 4712.571 | 4763.872 |
| 28.5 | 4195.285 | 4218.086 | 4290.762 | 4692.621 | 4748.197 |
| 29.0 | 4161.085 | 4176.760 | 4272.237 | 4674.095 | 4748.197 |
| 29.5 | 4125.459 | 4135.434 | 4255.137 | 4655.570 | 4733.946 |
| 30.0 | 4086.983 | 4092.683 | 4243.736 | 4619.944 | 4702.596 |
| 30.5 | 4051.358 | 4052.783 | 4248.012 | 4604.269 | 4678.370 |
| 31.0 | 4012.882 | 4010.032 | 4259.412 | 4601.419 | 4664.120 |
| 31.5 | 3977.256 | 3970.131 | 4257.987 | 4584.318 | 4632.769 |
| 32.0 | 3941.630 | 3930.230 | 4250.862 | 4557.243 | 4581.468 |
| 32.5 | 3903.155 | 3890.329 | 4243.736 | 4537.292 | 4528.742 |
| 33.0 | 3866.104 | 3853.279 | 4235.186 | 4520.192 | 4447.516 |
| 33.5 | 3830.478 | 3817.653 | 4219.511 | 4493.117 | 4374.839 |
| 34.0 | 3794.852 | 3784.877 | 4193.860 | 4457.491 | 4352.039 |
| 34.5 | 3754.952 | 3756.377 | 4156.810 | 4410.465 | 4347.764 |
| 35.0 | 3717.901 | 3732.151 | 4112.634 | 4346.339 | 4334.938 |
| 35.5 | 3678.000 | 3712.201 | 4072.733 | 4270.812 | 4326.388 |
| 36.0 | 3638.099 | 3689.400 | 4039.957 | 4222.361 | 4312.138 |
| 36.5 | 3596.773 | 3665.175 | 4014.307 | 4202.411 | 4276.512 |
| 37.0 | 3554.022 | 3638.099 | 3988.656 | 4179.610 | 4222.361 |
| 37.5 | 3509.847 | 3609.599 | 3968.706 | 4161.085 | 4168.210 |
| 38.0 | 3464.246 | 3578.248 | 3951.606 | 4149.685 | 4115.484 |
| 38.5 | 3420.070 | 3548.322 | 3931.655 | 4135.434 | 4082.708 |
| 39.0 | 3371.619 | 3515.547 | 3907.430 | 4102.659 | 4065.608 |
| 39.5 | 3324.593 | 3482.771 | 3881.779 | 4059.908 | 4034.257 |
| 40.0 | 3277.567 | 3445.720 | 3858.979 | 4010.032 | 3985.806 |
| 40.5 | 3230.541 | 3410.094 | 3836.178 | 3965.856 | 3935.930 |
| 41.0 | 3183.515 | 3373.044 | 3809.103 | 3933.080 | 3903.155 |
| 41.5 | 3136.489 | 3333.143 | 3777.752 | 3910.280 | 3874.654 |
| 42.0 | 3089.463 | 3293.242 | 3750.676 | 3881.779 | 3849.003 |
| 42.5 | 3039.587 | 3250.491 | 3713.626 | 3840.453 | 3814.803 |
| 43.0 | 2992.561 | 3207.740 | 3669.450 | 3790.577 | 3776.327 |
| 43.5 | 2945.535 | 3162.139 | 3622.424 | 3750.676 | 3739.276 |
| 44.0 | 2897.084 | 3116.539 | 3581.098 | 3713.626 | 3715.051 |
| 44.5 | 2845.783 | 3072.363 | 3542.622 | 3678.000 | 3687.975 |
| 45.0 | 2795.907 | 3029.612 | 3502.721 | 3635.249 | 3649.499 |
| 45.5 | 2746.031 | 2991.136 | 3468.521 | 3593.923 | 3593.923 |
| 46.0 | 2694.730 | 2952.660 | 3435.745 | 3562.573 | 3555.447 |
| 46.5 | 2644.854 | 2914.184 | 3405.819 | 3538.347 | 3554.022 |
| 47.0 | 2594.978 | 2872.859 | 3373.044 | 3514.122 | 3565.423 |
| 47.5 | 2546.527 | 2831.533 | 3343.118 | 3479.921 | 3554.022 |
| 48.0 | 2496.651 | 2788.782 | 3314.618 | 3434.320 | 3551.172 |
| 48.5 | 2449.625 | 2747.456 | 3286.117 | 3394.419 | 3561.148 |
| 49.0 | 2401.174 | 2704.705 | 3249.066 | 3374.469 | 3569.698 |
| 49.5 | 2355.573 | 2664.804 | 3212.015 | 3371.619 | 3578.248 |
| 50.0 | 2309.972 | 2623.478 | 3174.965 | 3365.919 | 3608.174 |
| 50.5 | 2262.946 | 2580.728 | 3136.489 | 3357.368 | 3653.774 |
| 51.0 | 2218.770 | 2537.977 | 3103.713 | 3360.218 | 3695.100 |
| 51.5 | 2173.169 | 2496.651 | 3069.513 | 3377.319 | 3744.976 |
| 52.0 | 2128.993 | 2456.750 | 3035.312 | 3397.269 | 3792.002 |
| 52.5 | 2086.243 | 2416.849 | 3003.961 | 3417.220 | 3831.903 |
| 53.0 | 2044.917 | 2378.373 | 2974.036 | 3447.145 | 3851.853 |
| 53.5 | 2000.741 | 2338.473 | 2941.260 | 3479.921 | 3834.753 |
| 54.0 | 1959.415 | 2298.572 | 2905.634 | 3509.847 | 3801.977 |
| 54.5 | 1919.514 | 2261.521 | 2872.859 | 3528.372 | 3753.526 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1878.188 | 2224.470 | 2845.783 | 3536.922 | 3697.950 |
| 55.5 | 1839.712 | 2188.845 | 2821.557 | 3538.347 | 3653.774 |
| 56.0 | 1799.812 | 2154.644 | 2797.332 | 3518.397 | 3619.574 |
| 56.5 | 1761.336 | 2120.443 | 2773.107 | 3479.921 | 3585.373 |
| 57.0 | 1722.860 | 2083.392 | 2748.881 | 3431.470 | 3552.597 |
| 57.5 | 1684.384 | 2047.767 | 2731.781 | 3384.444 | 3521.247 |
| 58.0 | 1647.334 | 2009.291 | 2720.380 | 3335.993 | 3497.021 |
| 58.5 | 1608.858 | 1969.390 | 2717.530 | 3293.242 | 3469.946 |
| 59.0 | 1571.807 | 1930.914 | 2720.380 | 3253.341 | 3435.745 |
| 59.5 | 1533.331 | 1891.014 | 2724.656 | 3217.716 | 3392.994 |
| 60.0 | 1496.280 | 1851.113 | 2726.081 | 3186.365 | 3348.818 |
| 60.5 | 1457.805 | 1809.787 | 2723.230 | 3157.864 | 3317.468 |
| 61.0 | 1420.754 | 1769.886 | 2720.380 | 3135.064 | 3286.117 |
| 61.5 | 1382.278 | 1728.560 | 2714.680 | 3112.263 | 3243.366 |
| 62.0 | 1345.227 | 1688.659 | 2697.580 | 3080.913 | 3206.315 |
| 62.5 | 1306.752 | 1647.334 | 2670.504 | 3046.712 | 3170.690 |
| 63.0 | 1268.276 | 1606.008 | 2636.304 | 3013.936 | 3133.639 |
| 63.5 | 1232.650 | 1567.532 | 2593.553 | 2991.136 | 3098.013 |
| 64.0 | 1194.174 | 1527.631 | 2545.102 | 2968.335 | 3058.112 |
| 64.5 | 1157.124 | 1487.730 | 2498.076 | 2934.135 | 3013.936 |
| 65.0 | 1118.648 | 1449.255 | 2448.200 | 2892.809 | 2968.335 |
| 65.5 | 1081.597 | 1412.204 | 2402.599 | 2850.058 | 2925.585 |
| 66.0 | 1044.546 | 1375.153 | 2355.573 | 2804.457 | 2870.008 |
| 66.5 | 1007.496 | 1340.952 | 2315.672 | 2753.156 | 2808.732 |
| 67.0 | 970.445  | 1305.327 | 2278.621 | 2701.855 | 2753.156 |
| 67.5 | 934.819  | 1272.551 | 2245.846 | 2653.404 | 2704.705 |
| 68.0 | 899.193  | 1241.200 | 2215.920 | 2603.528 | 2660.529 |
| 68.5 | 863.568  | 1209.850 | 2187.420 | 2555.077 | 2622.053 |
| 69.0 | 827.942  | 1181.349 | 2160.344 | 2506.626 | 2576.453 |
| 69.5 | 793.741  | 1154.274 | 2131.843 | 2458.175 | 2528.002 |
| 70.0 | 759.540  | 1128.623 | 2101.918 | 2408.299 | 2485.251 |
| 70.5 | 726.765  | 1101.547 | 2067.717 | 2356.998 | 2443.925 |
| 71.0 | 693.989  | 1077.322 | 2033.516 | 2311.397 | 2399.749 |
| 71.5 | 661.213  | 1050.246 | 1996.466 | 2272.921 | 2358.423 |
| 72.0 | 629.863  | 1024.596 | 1956.565 | 2237.296 | 2317.097 |
| 72.5 | 599.937  | 997.520  | 1915.239 | 2198.820 | 2275.771 |
| 73.0 | 570.012  | 970.445  | 1871.063 | 2154.644 | 2224.470 |
| 73.5 | 540.086  | 943.369  | 1825.462 | 2114.743 | 2167.469 |
| 74.0 | 511.585  | 914.869  | 1778.436 | 2076.267 | 2103.343 |
| 74.5 | 484.510  | 887.793  | 1732.835 | 2037.792 | 2036.366 |
| 75.0 | 457.434  | 859.293  | 1685.809 | 1996.466 | 1960.840 |
| 75.5 | 430.359  | 829.367  | 1640.208 | 1955.140 | 1892.439 |
| 76.0 | 404.708  | 799.441  | 1594.607 | 1909.539 | 1824.037 |
| 76.5 | 380.483  | 769.516  | 1551.857 | 1863.938 | 1751.361 |
| 77.0 | 356.257  | 741.015  | 1511.956 | 1816.912 | 1682.959 |
| 77.5 | 333.457  | 711.089  | 1470.630 | 1765.611 | 1610.283 |
| 78.0 | 310.656  | 682.589  | 1430.729 | 1710.035 | 1540.456 |
| 78.5 | 289.281  | 654.088  | 1390.828 | 1651.609 | 1472.055 |
| 79.0 | 267.905  | 625.588  | 1352.353 | 1596.033 | 1407.929 |
| 79.5 | 247.955  | 598.512  | 1315.302 | 1539.031 | 1348.077 |
| 80.0 | 228.005  | 571.437  | 1278.251 | 1484.880 | 1293.926 |
| 80.5 | 209.479  | 545.786  | 1241.200 | 1429.304 | 1242.625 |
| 81.0 | 190.954  | 520.136  | 1205.575 | 1378.003 | 1195.599 |
| 81.5 | 173.854  | 495.910  | 1169.949 | 1329.552 | 1148.573 |
| 82.0 | 156.753  | 471.685  | 1134.323 | 1278.251 | 1102.972 |
| 82.5 | 141.078  | 448.884  | 1098.697 | 1228.375 | 1061.647 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |          |          |          |
|-------|---------|---------|----------|----------|----------|
| 83.0  | 125.403 | 426.084 | 1063.072 | 1178.499 | 1021.746 |
| 83.5  | 111.152 | 404.708 | 1030.296 | 1131.473 | 984.695  |
| 84.0  | 96.902  | 383.333 | 996.095  | 1083.022 | 947.644  |
| 84.5  | 84.077  | 361.957 | 963.320  | 1038.846 | 914.869  |
| 85.0  | 71.251  | 342.007 | 930.544  | 993.245  | 883.518  |
| 85.5  | 59.851  | 323.482 | 900.618  | 951.919  | 855.017  |
| 86.0  | 49.876  | 306.381 | 869.268  | 913.444  | 825.092  |
| 86.5  | 39.901  | 289.281 | 839.342  | 876.393  | 795.166  |
| 87.0  | 31.351  | 273.606 | 809.416  | 842.192  | 768.091  |
| 87.5  | 22.800  | 259.355 | 780.916  | 810.842  | 741.015  |
| 88.0  | 17.100  | 246.530 | 752.415  | 780.916  | 715.365  |
| 88.5  | 11.400  | 233.705 | 725.340  | 753.840  | 691.139  |
| 89.0  | 8.550   | 223.730 | 701.114  | 728.190  | 666.914  |
| 89.5  | 4.275   | 215.179 | 676.889  | 703.964  | 641.263  |
| 90.0  | 0.000   | 206.629 | 654.088  | 681.164  | 618.463  |
| 90.5  | 0.000   | 200.929 | 634.138  | 658.363  | 595.662  |
| 91.0  | 0.000   | 195.229 | 614.188  | 636.988  | 574.287  |
| 91.5  | 0.000   | 189.529 | 595.662  | 617.038  | 555.761  |
| 92.0  | 1.425   | 183.829 | 578.562  | 597.087  | 537.236  |
| 92.5  | 1.425   | 179.554 | 561.461  | 579.987  | 518.711  |
| 93.0  | 1.425   | 175.279 | 542.936  | 561.461  | 501.610  |
| 93.5  | 1.425   | 172.429 | 527.261  | 545.786  | 485.935  |
| 94.0  | 2.850   | 169.578 | 510.160  | 528.686  | 471.685  |
| 94.5  | 2.850   | 166.728 | 495.910  | 514.435  | 456.009  |
| 95.0  | 4.275   | 163.878 | 480.235  | 500.185  | 443.184  |
| 95.5  | 4.275   | 162.453 | 465.984  | 485.935  | 430.359  |
| 96.0  | 5.700   | 159.603 | 453.159  | 473.110  | 417.534  |
| 96.5  | 5.700   | 158.178 | 438.909  | 460.284  | 406.133  |
| 97.0  | 7.125   | 156.753 | 426.084  | 447.459  | 394.733  |
| 97.5  | 7.125   | 155.328 | 414.683  | 434.634  | 384.758  |
| 98.0  | 8.550   | 155.328 | 401.858  | 424.659  | 374.783  |
| 98.5  | 9.975   | 155.328 | 390.458  | 413.258  | 364.807  |
| 99.0  | 9.975   | 155.328 | 380.483  | 403.283  | 354.832  |
| 99.5  | 11.400  | 155.328 | 370.508  | 394.733  | 346.282  |
| 100.0 | 12.825  | 155.328 | 360.532  | 384.758  | 339.157  |
| 100.5 | 14.250  | 156.753 | 351.982  | 374.783  | 332.032  |
| 101.0 | 15.675  | 156.753 | 342.007  | 366.232  | 324.907  |
| 101.5 | 15.675  | 159.603 | 334.882  | 357.682  | 319.207  |
| 102.0 | 17.100  | 161.028 | 326.332  | 349.132  | 312.081  |
| 102.5 | 18.525  | 163.878 | 319.207  | 342.007  | 306.381  |
| 103.0 | 19.950  | 165.303 | 312.081  | 334.882  | 300.681  |
| 103.5 | 21.375  | 166.728 | 304.956  | 327.757  | 296.406  |
| 104.0 | 22.800  | 168.153 | 299.256  | 320.632  | 290.706  |
| 104.5 | 24.225  | 169.578 | 293.556  | 313.506  | 286.431  |
| 105.0 | 25.651  | 171.003 | 287.856  | 306.381  | 282.156  |
| 105.5 | 27.076  | 172.429 | 283.581  | 299.256  | 279.306  |
| 106.0 | 28.501  | 173.854 | 279.306  | 293.556  | 275.031  |
| 106.5 | 29.926  | 175.279 | 276.456  | 287.856  | 272.181  |
| 107.0 | 31.351  | 176.704 | 273.606  | 282.156  | 267.905  |
| 107.5 | 32.776  | 176.704 | 270.756  | 276.456  | 265.055  |
| 108.0 | 34.201  | 178.129 | 269.330  | 273.606  | 260.780  |
| 108.5 | 35.626  | 178.129 | 267.905  | 269.330  | 257.930  |
| 109.0 | 37.051  | 178.129 | 266.480  | 265.055  | 255.080  |
| 109.5 | 38.476  | 178.129 | 265.055  | 262.205  | 252.230  |
| 110.0 | 39.901  | 178.129 | 266.480  | 259.355  | 250.805  |
| 110.5 | 41.326  | 178.129 | 266.480  | 256.505  | 247.955  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |         |         |         |         |
|-------|--------|---------|---------|---------|---------|
| 111.0 | 42.751 | 178.129 | 269.330 | 253.655 | 245.105 |
| 111.5 | 44.176 | 178.129 | 270.756 | 252.230 | 243.680 |
| 112.0 | 45.601 | 178.129 | 273.606 | 249.380 | 242.255 |
| 112.5 | 47.026 | 178.129 | 275.031 | 247.955 | 239.405 |
| 113.0 | 48.451 | 178.129 | 276.456 | 247.955 | 237.980 |
| 113.5 | 48.451 | 178.129 | 279.306 | 246.530 | 236.555 |
| 114.0 | 49.876 | 178.129 | 280.731 | 246.530 | 235.130 |
| 114.5 | 51.301 | 178.129 | 282.156 | 247.955 | 233.705 |
| 115.0 | 52.726 | 178.129 | 283.581 | 247.955 | 232.280 |
| 115.5 | 54.151 | 178.129 | 285.006 | 249.380 | 232.280 |
| 116.0 | 54.151 | 178.129 | 286.431 | 250.805 | 232.280 |
| 116.5 | 55.576 | 178.129 | 286.431 | 252.230 | 233.705 |
| 117.0 | 57.001 | 178.129 | 287.856 | 253.655 | 233.705 |
| 117.5 | 58.426 | 178.129 | 287.856 | 255.080 | 235.130 |
| 118.0 | 59.851 | 178.129 | 286.431 | 257.930 | 236.555 |
| 118.5 | 59.851 | 178.129 | 286.431 | 259.355 | 237.980 |
| 119.0 | 61.276 | 176.704 | 285.006 | 262.205 | 240.830 |
| 119.5 | 62.701 | 176.704 | 283.581 | 265.055 | 242.255 |
| 120.0 | 62.701 | 176.704 | 280.731 | 266.480 | 245.105 |
| 120.5 | 64.126 | 175.279 | 279.306 | 269.330 | 247.955 |
| 121.0 | 64.126 | 175.279 | 276.456 | 270.756 | 250.805 |
| 121.5 | 65.551 | 175.279 | 272.181 | 272.181 | 253.655 |
| 122.0 | 65.551 | 173.854 | 269.330 | 275.031 | 256.505 |
| 122.5 | 66.976 | 172.429 | 265.055 | 275.031 | 257.930 |
| 123.0 | 66.976 | 172.429 | 262.205 | 276.456 | 260.780 |
| 123.5 | 68.401 | 171.003 | 257.930 | 277.881 | 262.205 |
| 124.0 | 68.401 | 171.003 | 253.655 | 279.306 | 263.630 |
| 124.5 | 69.826 | 169.578 | 250.805 | 279.306 | 265.055 |
| 125.0 | 69.826 | 168.153 | 246.530 | 279.306 | 265.055 |
| 125.5 | 69.826 | 168.153 | 243.680 | 277.881 | 266.480 |
| 126.0 | 71.251 | 166.728 | 239.405 | 276.456 | 266.480 |
| 126.5 | 71.251 | 165.303 | 236.555 | 275.031 | 266.480 |
| 127.0 | 71.251 | 163.878 | 233.705 | 272.181 | 266.480 |
| 127.5 | 72.676 | 162.453 | 230.855 | 269.330 | 265.055 |
| 128.0 | 72.676 | 161.028 | 228.005 | 265.055 | 263.630 |
| 128.5 | 72.676 | 159.603 | 225.155 | 262.205 | 260.780 |
| 129.0 | 72.676 | 158.178 | 223.730 | 257.930 | 257.930 |
| 129.5 | 72.676 | 156.753 | 220.880 | 253.655 | 255.080 |
| 130.0 | 74.102 | 155.328 | 218.029 | 249.380 | 252.230 |
| 130.5 | 74.102 | 153.903 | 215.179 | 245.105 | 247.955 |
| 131.0 | 74.102 | 152.478 | 213.754 | 240.830 | 245.105 |
| 131.5 | 74.102 | 149.628 | 210.904 | 236.555 | 242.255 |
| 132.0 | 74.102 | 148.203 | 208.054 | 232.280 | 237.980 |
| 132.5 | 74.102 | 146.778 | 205.204 | 229.430 | 233.705 |
| 133.0 | 74.102 | 145.353 | 202.354 | 225.155 | 229.430 |
| 133.5 | 72.676 | 143.928 | 200.929 | 222.305 | 226.580 |
| 134.0 | 72.676 | 142.503 | 198.079 | 218.029 | 223.730 |
| 134.5 | 72.676 | 139.653 | 195.229 | 215.179 | 219.454 |
| 135.0 | 72.676 | 138.228 | 192.379 | 210.904 | 216.604 |
| 135.5 | 72.676 | 136.803 | 189.529 | 208.054 | 213.754 |
| 136.0 | 72.676 | 133.953 | 186.679 | 205.204 | 209.479 |
| 136.5 | 72.676 | 132.528 | 185.254 | 202.354 | 206.629 |
| 137.0 | 71.251 | 129.678 | 182.404 | 199.504 | 203.779 |
| 137.5 | 71.251 | 128.253 | 179.554 | 196.654 | 200.929 |
| 138.0 | 69.826 | 125.403 | 176.704 | 193.804 | 198.079 |
| 138.5 | 69.826 | 122.552 | 175.279 | 190.954 | 195.229 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |         |         |         |         |
|-------|--------|---------|---------|---------|---------|
| 139.0 | 68.401 | 121.127 | 172.429 | 188.104 | 192.379 |
| 139.5 | 68.401 | 118.277 | 169.578 | 185.254 | 189.529 |
| 140.0 | 66.976 | 116.852 | 166.728 | 182.404 | 186.679 |
| 140.5 | 65.551 | 114.002 | 163.878 | 180.979 | 183.829 |
| 141.0 | 65.551 | 112.577 | 161.028 | 178.129 | 180.979 |
| 141.5 | 64.126 | 111.152 | 158.178 | 176.704 | 179.554 |
| 142.0 | 62.701 | 108.302 | 155.328 | 173.854 | 176.704 |
| 142.5 | 62.701 | 106.877 | 152.478 | 172.429 | 173.854 |
| 143.0 | 61.276 | 104.027 | 149.628 | 171.003 | 172.429 |
| 143.5 | 59.851 | 102.602 | 146.778 | 168.153 | 171.003 |
| 144.0 | 59.851 | 101.177 | 145.353 | 165.303 | 169.578 |
| 144.5 | 58.426 | 98.327  | 142.503 | 163.878 | 168.153 |
| 145.0 | 57.001 | 96.902  | 139.653 | 161.028 | 166.728 |
| 145.5 | 57.001 | 95.477  | 136.803 | 159.603 | 163.878 |
| 146.0 | 55.576 | 92.627  | 135.378 | 156.753 | 162.453 |
| 146.5 | 55.576 | 91.202  | 132.528 | 153.903 | 161.028 |
| 147.0 | 54.151 | 89.777  | 129.678 | 152.478 | 158.178 |
| 147.5 | 52.726 | 88.352  | 128.253 | 149.628 | 156.753 |
| 148.0 | 52.726 | 85.502  | 125.403 | 146.778 | 153.903 |
| 148.5 | 51.301 | 84.077  | 123.978 | 145.353 | 151.053 |
| 149.0 | 51.301 | 82.652  | 121.127 | 142.503 | 149.628 |
| 149.5 | 49.876 | 81.227  | 119.702 | 139.653 | 146.778 |
| 150.0 | 49.876 | 79.802  | 116.852 | 138.228 | 143.928 |
| 150.5 | 49.876 | 78.377  | 114.002 | 135.378 | 142.503 |
| 151.0 | 48.451 | 76.952  | 112.577 | 132.528 | 139.653 |
| 151.5 | 48.451 | 75.527  | 109.727 | 129.678 | 136.803 |
| 152.0 | 47.026 | 74.102  | 108.302 | 128.253 | 135.378 |
| 152.5 | 47.026 | 71.251  | 105.452 | 125.403 | 132.528 |
| 153.0 | 45.601 | 69.826  | 104.027 | 122.552 | 129.678 |
| 153.5 | 45.601 | 68.401  | 101.177 | 121.127 | 128.253 |
| 154.0 | 45.601 | 66.976  | 99.752  | 118.277 | 125.403 |
| 154.5 | 44.176 | 65.551  | 96.902  | 115.427 | 122.552 |
| 155.0 | 44.176 | 64.126  | 95.477  | 112.577 | 119.702 |
| 155.5 | 44.176 | 61.276  | 92.627  | 111.152 | 118.277 |
| 156.0 | 42.751 | 59.851  | 91.202  | 108.302 | 115.427 |
| 156.5 | 42.751 | 58.426  | 88.352  | 105.452 | 112.577 |
| 157.0 | 42.751 | 57.001  | 86.927  | 104.027 | 109.727 |
| 157.5 | 42.751 | 55.576  | 84.077  | 101.177 | 108.302 |
| 158.0 | 42.751 | 55.576  | 82.652  | 98.327  | 105.452 |
| 158.5 | 41.326 | 54.151  | 79.802  | 96.902  | 102.602 |
| 159.0 | 41.326 | 52.726  | 78.377  | 94.052  | 99.752  |
| 159.5 | 41.326 | 51.301  | 76.952  | 92.627  | 98.327  |
| 160.0 | 41.326 | 49.876  | 74.102  | 89.777  | 95.477  |
| 160.5 | 41.326 | 49.876  | 72.676  | 88.352  | 92.627  |
| 161.0 | 41.326 | 49.876  | 71.251  | 85.502  | 91.202  |
| 161.5 | 41.326 | 49.876  | 68.401  | 82.652  | 88.352  |
| 162.0 | 41.326 | 51.301  | 66.976  | 81.227  | 85.502  |
| 162.5 | 41.326 | 52.726  | 65.551  | 78.377  | 84.077  |
| 163.0 | 41.326 | 55.576  | 64.126  | 76.952  | 81.227  |
| 163.5 | 42.751 | 55.576  | 62.701  | 74.102  | 79.802  |
| 164.0 | 42.751 | 55.576  | 59.851  | 72.676  | 76.952  |
| 164.5 | 42.751 | 54.151  | 58.426  | 71.251  | 75.527  |
| 165.0 | 42.751 | 54.151  | 57.001  | 68.401  | 72.676  |
| 165.5 | 44.176 | 52.726  | 55.576  | 66.976  | 69.826  |
| 166.0 | 44.176 | 51.301  | 52.726  | 65.551  | 68.401  |
| 166.5 | 44.176 | 51.301  | 51.301  | 64.126  | 66.976  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**CANDELA TABULATION - (Cont.)**

|              |        |        |        |        |        |
|--------------|--------|--------|--------|--------|--------|
| <b>167.0</b> | 44.176 | 51.301 | 49.876 | 61.276 | 64.126 |
| <b>167.5</b> | 45.601 | 49.876 | 48.451 | 59.851 | 62.701 |
| <b>168.0</b> | 45.601 | 49.876 | 47.026 | 58.426 | 61.276 |
| <b>168.5</b> | 45.601 | 49.876 | 45.601 | 57.001 | 59.851 |
| <b>169.0</b> | 45.601 | 49.876 | 45.601 | 57.001 | 58.426 |
| <b>169.5</b> | 47.026 | 48.451 | 45.601 | 55.576 | 57.001 |
| <b>170.0</b> | 47.026 | 48.451 | 48.451 | 54.151 | 55.576 |
| <b>170.5</b> | 47.026 | 48.451 | 51.301 | 52.726 | 54.151 |
| <b>171.0</b> | 47.026 | 47.026 | 52.726 | 51.301 | 52.726 |
| <b>171.5</b> | 47.026 | 47.026 | 52.726 | 49.876 | 52.726 |
| <b>172.0</b> | 48.451 | 47.026 | 51.301 | 51.301 | 51.301 |
| <b>172.5</b> | 48.451 | 45.601 | 49.876 | 55.576 | 51.301 |
| <b>173.0</b> | 48.451 | 45.601 | 49.876 | 57.001 | 58.426 |
| <b>173.5</b> | 48.451 | 45.601 | 48.451 | 58.426 | 62.701 |
| <b>174.0</b> | 48.451 | 45.601 | 47.026 | 57.001 | 64.126 |
| <b>174.5</b> | 48.451 | 45.601 | 47.026 | 55.576 | 62.701 |
| <b>175.0</b> | 48.451 | 45.601 | 45.601 | 54.151 | 62.701 |
| <b>175.5</b> | 49.876 | 47.026 | 45.601 | 52.726 | 58.426 |
| <b>176.0</b> | 49.876 | 47.026 | 44.176 | 49.876 | 57.001 |
| <b>176.5</b> | 48.451 | 47.026 | 44.176 | 47.026 | 54.151 |
| <b>177.0</b> | 48.451 | 47.026 | 42.751 | 44.176 | 49.876 |
| <b>177.5</b> | 47.026 | 47.026 | 42.751 | 42.751 | 48.451 |
| <b>178.0</b> | 47.026 | 45.601 | 42.751 | 42.751 | 45.601 |
| <b>178.5</b> | 45.601 | 45.601 | 42.751 | 42.751 | 44.176 |
| <b>179.0</b> | 44.176 | 44.176 | 42.751 | 42.751 | 42.751 |
| <b>179.5</b> | 44.176 | 44.176 | 42.751 | 42.751 | 42.751 |
| <b>180.0</b> | 42.751 | 42.751 | 42.751 | 42.751 | 42.751 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 1871.71  | N.A.  | 10.70  |
| 0-30    | 3981.74  | N.A.  | 22.90  |
| 0-40    | 6520.93  | N.A.  | 37.50  |
| 0-60    | 11643.59 | N.A.  | 66.90  |
| 0-80    | 15331.1  | N.A.  | 88.10  |
| 0-90    | 16100.43 | N.A.  | 92.50  |
| 10-90   | 15617.27 | N.A.  | 89.70  |
| 20-40   | 4649.22  | N.A.  | 26.70  |
| 20-50   | 7245.65  | N.A.  | 41.60  |
| 40-70   | 7299.86  | N.A.  | 41.90  |
| 60-80   | 3687.52  | N.A.  | 21.20  |
| 70-80   | 1510.32  | N.A.  | 8.70   |
| 80-90   | 769.32   | N.A.  | 4.40   |
| 90-110  | 629.16   | N.A.  | 3.60   |
| 90-120  | 841.72   | N.A.  | 4.80   |
| 90-130  | 1032.95  | N.A.  | 5.90   |
| 90-150  | 1247.32  | N.A.  | 7.20   |
| 90-180  | 1310.87  | N.A.  | 7.50   |
| 110-180 | 681.71   | N.A.  | 3.90   |
| 0-180   | 17411.3  | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 483.16  |
| 10-20   | 1388.55 |
| 20-30   | 2110.02 |
| 30-40   | 2539.19 |
| 40-50   | 2596.43 |
| 50-60   | 2526.23 |
| 60-70   | 2177.2  |
| 70-80   | 1510.32 |
| 80-90   | 769.32  |
| 90-100  | 381.92  |
| 100-110 | 247.25  |
| 110-120 | 212.56  |
| 120-130 | 191.22  |
| 130-140 | 133.71  |
| 140-150 | 80.67   |
| 150-160 | 41.63   |
| 160-170 | 17.17   |
| 170-180 | 4.75    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.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  | 117 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 95 | 95 | 95 | 92 |
| 1  | 105 | 100 | 95  | 91  |     | 102 | 97  | 93  | 89  | 91  | 88  | 85  | 86  | 83  | 81  | 81 | 79 | 77 | 74 |
| 2  | 95  | 86  | 79  | 73  |     | 92  | 84  | 77  | 71  | 79  | 73  | 68  | 74  | 70  | 66  | 70 | 67 | 63 | 61 |
| 3  | 86  | 75  | 67  | 60  |     | 83  | 73  | 65  | 59  | 69  | 62  | 57  | 65  | 60  | 55  | 62 | 57 | 53 | 50 |
| 4  | 79  | 66  | 57  | 50  |     | 76  | 65  | 56  | 49  | 61  | 54  | 48  | 58  | 52  | 46  | 55 | 49 | 45 | 43 |
| 5  | 72  | 59  | 50  | 43  |     | 70  | 58  | 49  | 42  | 55  | 47  | 41  | 52  | 45  | 40  | 49 | 43 | 39 | 37 |
| 6  | 67  | 53  | 44  | 37  |     | 64  | 52  | 43  | 37  | 49  | 42  | 36  | 47  | 40  | 35  | 44 | 39 | 34 | 32 |
| 7  | 62  | 48  | 39  | 33  |     | 60  | 47  | 38  | 32  | 45  | 37  | 32  | 43  | 36  | 31  | 41 | 35 | 30 | 28 |
| 8  | 58  | 44  | 35  | 29  |     | 56  | 43  | 35  | 29  | 41  | 33  | 28  | 39  | 32  | 28  | 37 | 31 | 27 | 25 |
| 9  | 54  | 40  | 32  | 26  |     | 52  | 39  | 31  | 26  | 37  | 30  | 25  | 36  | 29  | 25  | 34 | 29 | 24 | 22 |
| 10 | 50  | 37  | 29  | 24  |     | 49  | 36  | 29  | 23  | 35  | 28  | 23  | 33  | 27  | 22  | 32 | 26 | 22 | 20 |

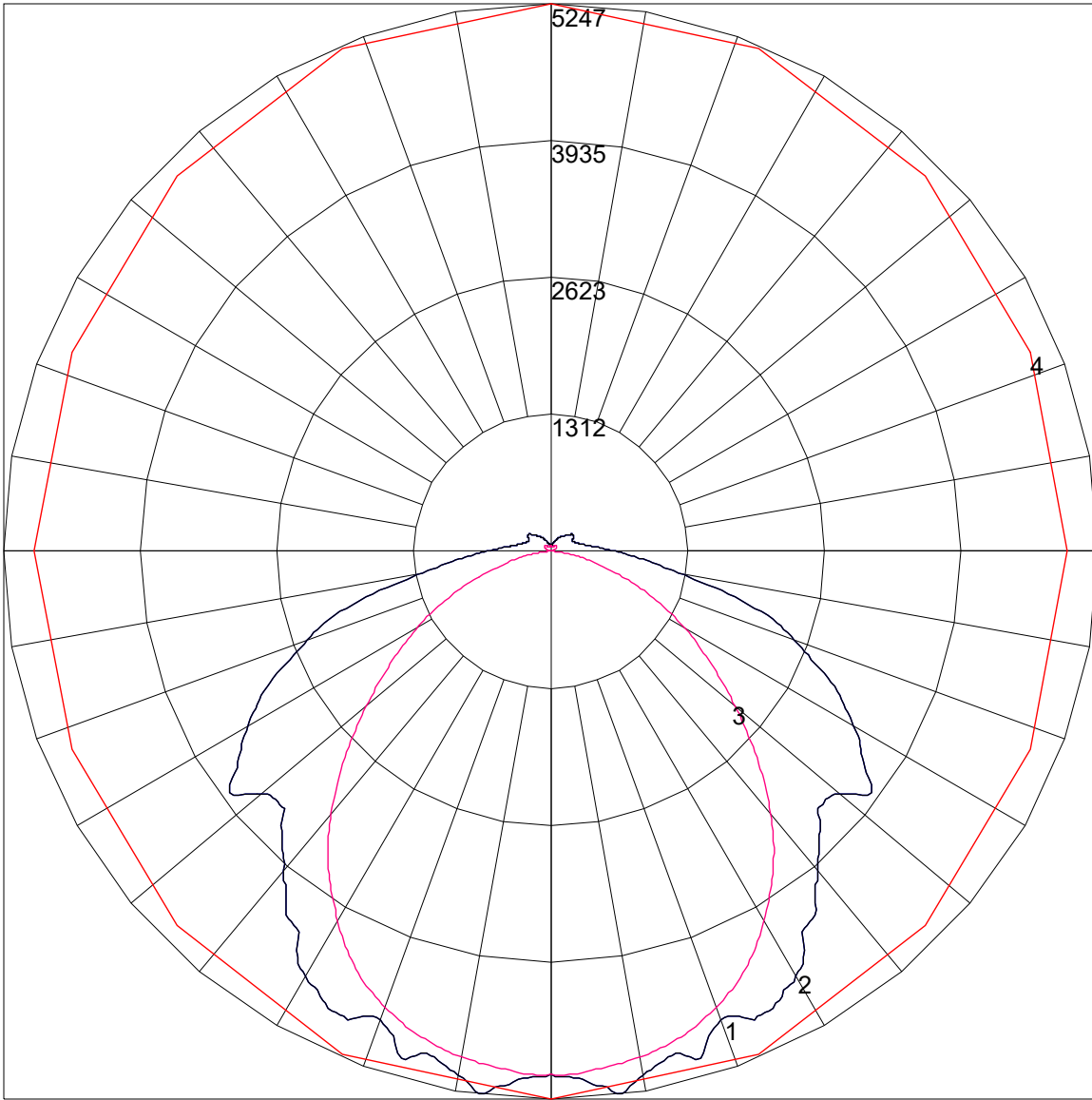
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BRITE-4-835-U10-XX-CA.IES**

**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 |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
| X=2H           | Y=2H | 22.8                 | 24.3 | 23.3 | 24.8 | 25.3 | 27.3               | 28.8 | 27.8 | 29.3 | 29.8 |
|                | 3H   | 23.9                 | 25.3 | 24.4 | 25.8 | 26.3 | 29.8               | 31.2 | 30.3 | 31.6 | 32.2 |
|                | 4H   | 24.2                 | 25.5 | 24.8 | 26.0 | 26.6 | 30.8               | 32.1 | 31.4 | 32.6 | 33.2 |
|                | 6H   | 24.4                 | 25.6 | 24.9 | 26.1 | 26.7 | 31.7               | 32.9 | 32.2 | 33.4 | 34.0 |
|                | 8H   | 24.4                 | 25.6 | 25.0 | 26.1 | 26.7 | 32.0               | 33.2 | 32.6 | 33.7 | 34.3 |
|                | 12H  | 24.4                 | 25.5 | 24.9 | 26.0 | 26.6 | 32.4               | 33.5 | 32.9 | 34.0 | 34.6 |
| 4H             | 2H   | 24.5                 | 25.8 | 25.0 | 26.3 | 26.9 | 27.7               | 29.1 | 28.3 | 29.6 | 30.1 |
|                | 3H   | 25.9                 | 27.0 | 26.4 | 27.5 | 28.1 | 30.4               | 31.5 | 31.0 | 32.1 | 32.7 |
|                | 4H   | 26.3                 | 27.3 | 26.8 | 27.9 | 28.5 | 31.7               | 32.7 | 32.2 | 33.2 | 33.9 |
|                | 6H   | 26.5                 | 27.4 | 27.1 | 28.0 | 28.6 | 32.7               | 33.6 | 33.3 | 34.2 | 34.8 |
|                | 8H   | 26.6                 | 27.4 | 27.1 | 28.0 | 28.6 | 33.1               | 34.0 | 33.7 | 34.6 | 35.2 |
|                | 12H  | 26.6                 | 27.3 | 27.2 | 27.9 | 28.6 | 33.6               | 34.3 | 34.2 | 34.9 | 35.6 |
| 8H             | 4H   | 27.5                 | 28.3 | 28.0 | 28.9 | 29.5 | 31.9               | 32.7 | 32.5 | 33.3 | 33.9 |
|                | 6H   | 27.9                 | 28.6 | 28.5 | 29.2 | 29.9 | 33.1               | 33.8 | 33.7 | 34.4 | 35.1 |
|                | 8H   | 28.0                 | 28.6 | 28.6 | 29.3 | 29.9 | 33.6               | 34.3 | 34.3 | 34.9 | 35.6 |
|                | 12H  | 28.0                 | 28.6 | 28.7 | 29.2 | 30.0 | 34.2               | 34.8 | 34.8 | 35.4 | 36.1 |
| 12H            | 4H   | 27.7                 | 28.5 | 28.3 | 29.1 | 29.7 | 31.9               | 32.6 | 32.5 | 33.2 | 33.9 |
|                | 6H   | 28.3                 | 28.9 | 28.9 | 29.5 | 30.2 | 33.1               | 33.8 | 33.8 | 34.4 | 35.1 |
|                | 8H   | 28.5                 | 29.1 | 29.1 | 29.7 | 30.4 | 33.7               | 34.3 | 34.4 | 34.9 | 35.6 |

Maximum UGR = 36.1

POLAR GRAPH



Maximum Candela = 5246.957 Located At Horizontal Angle = 90, Vertical Angle = 7.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 3 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 4 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)